



June 18, 2021

**Vista Work Order No. 2105047**

Ms. Delaney Peterson  
Anchor QEA, LLC  
720 Olive Way, Suite 1900  
Seattle, WA 98101

Dear Ms. Peterson,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on May 06, 2021 under your Project Name 'GascoSiltronic: US Moorings'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at [mmaier@vista-analytical.com](mailto:mmaier@vista-analytical.com).

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier  
Laboratory Director



*Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.*

**Vista Work Order No. 2105047**

**Case Narrative**

**Sample Condition on Receipt:**

Four sediment samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements.

**Analytical Notes:**

**EPA Method 1613B**

These samples were extracted and analyzed for tetra-through-octa chlorinated dioxins and furans by EPA Method 1613B using a ZB-DIOXIN GC column.

**Holding Times**

The samples were extracted and analyzed within the method hold times.

**Quality Control**

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

**EPA Method 1668A**

These samples were extracted and analyzed for 209 PCB congeners by EPA Method 1668A using a ZB-1 GC column.

**Holding Times**

The samples were extracted and analyzed within the method hold times.

**Quality Control**

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.



Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

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# Sample Inventory Report

<b>Vista Sample ID</b>	<b>Client Sample ID</b>	<b>Sampled</b>	<b>Received</b>	<b>Components/Containers</b>
2105047-01	USMPDI-028SG-210504	04-May-21 14:14	06-May-21 09:48	Amber Glass, 120 mL
2105047-02	USMPDI-030SG-210504	04-May-21 10:14	06-May-21 09:48	Amber Glass, 120 mL
2105047-03	USMPDI-031SG-210504	04-May-21 11:18	06-May-21 09:48	Amber Glass, 120 mL
2105047-04	USMPDI-035SG-210504	04-May-21 13:19	06-May-21 09:48	Amber Glass, 120 mL

## **ANALYTICAL RESULTS**

Sample ID: Method Blank					EPA Method 1613B				
Matrix: Solid Sample Size: 10.0 g		QC Batch: B1E0199 Date Extracted: 24-May-2021 8:09		Lab Sample: B1E0199-BLK1 Date Analyzed: 27-May-21 19:44 Column: ZB-DIOXIN					
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers	
2,3,7,8-TCDD	ND	0.0161			IS 13C-2,3,7,8-TCDD	94.8	25 - 164		
1,2,3,7,8-PeCDD	ND	0.0525			13C-1,2,3,7,8-PeCDD	99.0	25 - 181		
1,2,3,4,7,8-HxCDD	ND	0.0570			13C-1,2,3,4,7,8-HxCDD	81.3	32 - 141		
1,2,3,6,7,8-HxCDD	ND	0.0604			13C-1,2,3,6,7,8-HxCDD	79.1	28 - 130		
1,2,3,7,8,9-HxCDD	ND	0.0572			13C-1,2,3,7,8,9-HxCDD	81.3	32 - 141		
1,2,3,4,6,7,8-HpCDD	0.123			J	13C-1,2,3,4,6,7,8-HpCDD	82.2	23 - 140		
OCDD	0.782			J	13C-OCDD	63.6	17 - 157		
2,3,7,8-TCDF	ND		0.0360		13C-2,3,7,8-TCDF	90.5	24 - 169		
1,2,3,7,8-PeCDF	ND	0.0376			13C-1,2,3,7,8-PeCDF	81.1	24 - 185		
2,3,4,7,8-PeCDF	ND	0.0288			13C-2,3,4,7,8-PeCDF	94.7	21 - 178		
1,2,3,4,7,8-HxCDF	ND	0.0409			13C-1,2,3,4,7,8-HxCDF	83.3	26 - 152		
1,2,3,6,7,8-HxCDF	ND	0.0379			13C-1,2,3,6,7,8-HxCDF	81.4	26 - 123		
2,3,4,6,7,8-HxCDF	ND	0.0436			13C-2,3,4,6,7,8-HxCDF	84.4	28 - 136		
1,2,3,7,8,9-HxCDF	ND	0.0554			13C-1,2,3,7,8,9-HxCDF	86.4	29 - 147		
1,2,3,4,6,7,8-HpCDF	ND	0.0431			13C-1,2,3,4,6,7,8-HpCDF	82.3	28 - 143		
1,2,3,4,7,8,9-HpCDF	ND	0.0397			13C-1,2,3,4,7,8,9-HpCDF	86.7	26 - 138		
OCDF	0.129			J	13C-OCDF	69.5	17 - 157		
					CRS 37Cl-2,3,7,8-TCDD	97.1	35 - 197		
					<b>Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)</b>				
					TEQMinWHO2005Dioxin		0.00150		
<b>TOTALS</b>									
Total TCDD	ND	0.0161							
Total PeCDD	ND	0.0525							
Total HxCDD	ND	0.0604							
Total HpCDD	0.123								
Total TCDF	ND		0.0790						
Total PeCDF	ND	0.0376							
Total HxCDF	ND	0.0554							
Total HpCDF	ND	0.0431							

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: OPR					EPA Method 1613B		
Matrix: Solid Sample Size: 10.0 g		QC Batch: B1E0199 Date Extracted: 24-May-2021 8:09		Lab Sample: B1E0199-BS1 Date Analyzed: 27-May-21 17:32 Column: ZB-DIOXIN			
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	23.0	20.0	115	67 - 158	IS 13C-2,3,7,8-TCDD	94.3	20 - 175
1,2,3,7,8-PeCDD	114	100	114	70 - 142	13C-1,2,3,7,8-PeCDD	106	21 - 227
1,2,3,4,7,8-HxCDD	120	100	120	70 - 164	13C-1,2,3,4,7,8-HxCDD	84.3	21 - 193
1,2,3,6,7,8-HxCDD	117	100	117	76 - 134	13C-1,2,3,6,7,8-HxCDD	82.6	25 - 163
1,2,3,7,8,9-HxCDD	118	100	118	64 - 162	13C-1,2,3,7,8,9-HxCDD	82.3	21 - 193
1,2,3,4,6,7,8-HpCDD	116	100	116	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	78.2	26 - 166
OCDD	235	200	117	78 - 144	13C-OCDD	68.4	13 - 199
2,3,7,8-TCDF	23.0	20.0	115	75 - 158	13C-2,3,7,8-TCDF	88.9	22 - 152
1,2,3,7,8-PeCDF	119	100	119	80 - 134	13C-1,2,3,7,8-PeCDF	97.6	21 - 192
2,3,4,7,8-PeCDF	117	100	117	68 - 160	13C-2,3,4,7,8-PeCDF	97.3	13 - 328
1,2,3,4,7,8-HxCDF	115	100	115	72 - 134	13C-1,2,3,4,7,8-HxCDF	85.6	19 - 202
1,2,3,6,7,8-HxCDF	118	100	118	84 - 130	13C-1,2,3,6,7,8-HxCDF	85.4	21 - 159
2,3,4,6,7,8-HxCDF	118	100	118	70 - 156	13C-2,3,4,6,7,8-HxCDF	86.6	22 - 176
1,2,3,7,8,9-HxCDF	116	100	116	78 - 130	13C-1,2,3,7,8,9-HxCDF	86.8	17 - 205
1,2,3,4,6,7,8-HpCDF	116	100	116	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	80.4	21 - 158
1,2,3,4,7,8,9-HpCDF	116	100	116	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	86.6	20 - 186
OCDF	234	200	117	63 - 170	13C-OCDF	75.4	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	102	31 - 191

LCL-UCL - Lower control limit - upper control limit

**Sample ID: USMPDI-028SG-210504** **EPA Method 1613B**

<b>Client Data</b>	<b>Sample Data</b>	<b>Laboratory Data</b>
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2105047-01      Date Received: 06-May-2021 9:48
Project: GascoSiltronic: US Moorings	Sample Size: 21.4 g	QC Batch: B1E0199      Date Extracted: 24-May-2021 8:09
Date Collected: 04-May-2021 14:14	% Solids: 47.1	Date Analyzed: 09-Jun-21 16:10      Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0498			IS 13C-2,3,7,8-TCDD	110	25 - 164	
1,2,3,7,8-PeCDD	ND	0.237			13C-1,2,3,7,8-PeCDD	71.7	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.202			13C-1,2,3,4,7,8-HxCDD	78.3	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.205			13C-1,2,3,6,7,8-HxCDD	79.9	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.221			13C-1,2,3,7,8,9-HxCDD	74.0	32 - 141	
1,2,3,4,6,7,8-HpCDD	2.60			B	13C-1,2,3,4,6,7,8-HpCDD	67.5	23 - 140	
OCDD	21.8			B	13C-OCDD	60.4	17 - 157	
2,3,7,8-TCDF	ND	0.0584			13C-2,3,7,8-TCDF	88.1	24 - 169	
1,2,3,7,8-PeCDF	ND		0.150		13C-1,2,3,7,8-PeCDF	80.0	24 - 185	
2,3,4,7,8-PeCDF	ND	0.125			13C-2,3,4,7,8-PeCDF	71.0	21 - 178	
1,2,3,4,7,8-HxCDF	ND		0.191		13C-1,2,3,4,7,8-HxCDF	86.6	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0994			13C-1,2,3,6,7,8-HxCDF	88.9	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.112			13C-2,3,4,6,7,8-HxCDF	86.8	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.154			13C-1,2,3,7,8,9-HxCDF	82.7	29 - 147	
1,2,3,4,6,7,8-HpCDF	0.471			J	13C-1,2,3,4,6,7,8-HpCDF	74.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.162			13C-1,2,3,4,7,8,9-HpCDF	74.1	26 - 138	
OCDF	0.906			J, B	13C-OCDF	63.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	120	35 - 197	

**Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)**  
 TEQMinWHO2005Dioxin      0.0375

<b>TOTALS</b>								
Total TCDD	ND	0.0498						
Total PeCDD	ND	0.237						
Total HxCDD	0.391							
Total HpCDD	6.06			B				
Total TCDF	ND		0.0970					
Total PeCDF	0.252		0.402					
Total HxCDF	0.560		0.751					
Total HpCDF	1.24							

DL - Sample specific estimated detection limit  
 EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit  
 The results are reported in dry weight. The sample size is reported in wet weight.  
 Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

**Sample ID: USMPDI-030SG-210504** **EPA Method 1613B**

<b>Client Data</b>	<b>Sample Data</b>	<b>Laboratory Data</b>
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2105047-02      Date Received: 06-May-2021 9:48
Project: GascoSiltronic: US Moorings	Sample Size: 18.1 g	QC Batch: B1E0199      Date Extracted: 24-May-2021 8:09
Date Collected: 04-May-2021 10:14	% Solids: 55.7	Date Analyzed: 09-Jun-21 17:38      Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0541			IS 13C-2,3,7,8-TCDD	110	25 - 164	
1,2,3,7,8-PeCDD	ND		0.143		13C-1,2,3,7,8-PeCDD	83.1	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.176			13C-1,2,3,4,7,8-HxCDD	81.8	32 - 141	
1,2,3,6,7,8-HxCDD	0.998			J	13C-1,2,3,6,7,8-HxCDD	78.9	28 - 130	
1,2,3,7,8,9-HxCDD	ND		0.427		13C-1,2,3,7,8,9-HxCDD	78.8	32 - 141	
1,2,3,4,6,7,8-HpCDD	19.5			B	13C-1,2,3,4,6,7,8-HpCDD	72.3	23 - 140	
OCDD	194			B	13C-OCDD	58.6	17 - 157	
2,3,7,8-TCDF	1.20				13C-2,3,7,8-TCDF	90.5	24 - 169	
1,2,3,7,8-PeCDF	0.955			J	13C-1,2,3,7,8-PeCDF	81.7	24 - 185	
2,3,4,7,8-PeCDF	0.608			J	13C-2,3,4,7,8-PeCDF	82.4	21 - 178	
1,2,3,4,7,8-HxCDF	1.91			J	13C-1,2,3,4,7,8-HxCDF	86.5	26 - 152	
1,2,3,6,7,8-HxCDF	0.616			J	13C-1,2,3,6,7,8-HxCDF	87.6	26 - 123	
2,3,4,6,7,8-HxCDF	0.386			J	13C-2,3,4,6,7,8-HxCDF	90.1	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.233			13C-1,2,3,7,8,9-HxCDF	84.3	29 - 147	
1,2,3,4,6,7,8-HpCDF	4.84				13C-1,2,3,4,6,7,8-HpCDF	77.2	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND		0.492		13C-1,2,3,4,7,8,9-HpCDF	78.8	26 - 138	
OCDF	10.1			B	13C-OCDF	66.6	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	119	35 - 197	

**Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)**  
 TEQMinWHO2005Dioxin      1.03

<b>TOTALS</b>								
Total TCDD	0.367		0.648					
Total PeCDD	0.406		0.549					
Total HxCDD	3.50		5.93					
Total HpCDD	46.1			B				
Total TCDF	2.95		3.23					
Total PeCDF	5.04		5.34					
Total HxCDF	7.84		8.53					
Total HpCDF	11.9		12.4					

DL - Sample specific estimated detection limit  
 EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit  
 The results are reported in dry weight. The sample size is reported in wet weight.  
 Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.



**Sample ID: USMPDI-031SG-210504** **EPA Method 1613B**

<b>Client Data</b>	<b>Sample Data</b>	<b>Laboratory Data</b>
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2105047-03      Date Received: 06-May-2021 9:48
Project: GascoSiltronic: US Moorings	Sample Size: 24.7 g	QC Batch: B1E0199      Date Extracted: 24-May-2021 8:09
Date Collected: 04-May-2021 11:18	% Solids: 41.0	Date Analyzed: 09-Jun-21 16:54      Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.0590		IS 13C-2,3,7,8-TCDD	113	25 - 164	
1,2,3,7,8-PeCDD	ND	0.172			13C-1,2,3,7,8-PeCDD	74.7	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.185			13C-1,2,3,4,7,8-HxCDD	74.4	32 - 141	
1,2,3,6,7,8-HxCDD	0.316			J	13C-1,2,3,6,7,8-HxCDD	73.7	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.183			13C-1,2,3,7,8,9-HxCDD	73.9	32 - 141	
1,2,3,4,6,7,8-HpCDD	5.77			B	13C-1,2,3,4,6,7,8-HpCDD	67.2	23 - 140	
OCDD	60.4			B	13C-OCDD	56.5	17 - 157	
2,3,7,8-TCDF	ND		0.289		13C-2,3,7,8-TCDF	83.9	24 - 169	
1,2,3,7,8-PeCDF	0.144			J	13C-1,2,3,7,8-PeCDF	78.5	24 - 185	
2,3,4,7,8-PeCDF	0.210			J	13C-2,3,4,7,8-PeCDF	76.3	21 - 178	
1,2,3,4,7,8-HxCDF	0.291			J	13C-1,2,3,4,7,8-HxCDF	84.0	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.120			13C-1,2,3,6,7,8-HxCDF	84.1	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.142			13C-2,3,4,6,7,8-HxCDF	84.5	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.190			13C-1,2,3,7,8,9-HxCDF	80.2	29 - 147	
1,2,3,4,6,7,8-HpCDF	1.32			J	13C-1,2,3,4,6,7,8-HpCDF	72.9	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.119			13C-1,2,3,4,7,8,9-HpCDF	71.2	26 - 138	
OCDF	3.61			J, B	13C-OCDF	61.8	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	127	35 - 197	

**Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)**

TEQMinWHO2005Dioxin      0.218

<b>TOTALS</b>								
Total TCDD	0.122		0.181					
Total PeCDD	ND	0.172						
Total HxCDD	1.86							
Total HpCDD	15.0			B				
Total TCDF	ND		0.631					
Total PeCDF	0.904		1.26					
Total HxCDF	1.77							
Total HpCDF	3.74							

DL - Sample specific estimated detection limit  
EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit  
The results are reported in dry weight. The sample size is reported in wet weight.  
Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

**Sample ID: USMPDI-035SG-210504** **EPA Method 1613B**

<b>Client Data</b>	<b>Sample Data</b>	<b>Laboratory Data</b>
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2105047-04      Date Received: 06-May-2021 9:48
Project: GascoSiltronic: US Moorings	Sample Size: 20.7 g	QC Batch: B1E0199      Date Extracted: 24-May-2021 8:09
Date Collected: 04-May-2021 13:19	% Solids: 48.6	Date Analyzed: 09-Jun-21 18:23      Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.0456		IS 13C-2,3,7,8-TCDD	121	25 - 164	
1,2,3,7,8-PeCDD	ND	0.165			13C-1,2,3,7,8-PeCDD	81.1	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.211			13C-1,2,3,4,7,8-HxCDD	81.7	32 - 141	
1,2,3,6,7,8-HxCDD	0.605			J	13C-1,2,3,6,7,8-HxCDD	80.3	28 - 130	
1,2,3,7,8,9-HxCDD	ND		0.201		13C-1,2,3,7,8,9-HxCDD	77.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	12.2			B	13C-1,2,3,4,6,7,8-HpCDD	70.3	23 - 140	
OCDD	106			B	13C-OCDD	60.2	17 - 157	
2,3,7,8-TCDF	0.436			J	13C-2,3,7,8-TCDF	92.4	24 - 169	
1,2,3,7,8-PeCDF	ND		0.317		13C-1,2,3,7,8-PeCDF	77.5	24 - 185	
2,3,4,7,8-PeCDF	0.301			J	13C-2,3,4,7,8-PeCDF	80.1	21 - 178	
1,2,3,4,7,8-HxCDF	0.715			J	13C-1,2,3,4,7,8-HxCDF	88.5	26 - 152	
1,2,3,6,7,8-HxCDF	ND		0.230		13C-1,2,3,6,7,8-HxCDF	89.8	26 - 123	
2,3,4,6,7,8-HxCDF	0.218			J	13C-2,3,4,6,7,8-HxCDF	90.7	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.179			13C-1,2,3,7,8,9-HxCDF	86.0	29 - 147	
1,2,3,4,6,7,8-HpCDF	3.62				13C-1,2,3,4,6,7,8-HpCDF	78.1	28 - 143	
1,2,3,4,7,8,9-HpCDF	0.343			J	13C-1,2,3,4,7,8,9-HpCDF	76.9	26 - 138	
OCDF	14.3			B	13C-OCDF	70.0	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	133	35 - 197	

**Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)**

TEQMinWHO2005Dioxin      0.485

<b>TOTALS</b>								
Total TCDD	0.167		0.213					
Total PeCDD	ND	0.165						
Total HxCDD	3.09		3.30					
Total HpCDD	28.2			B				
Total TCDF	0.832		1.06					
Total PeCDF	2.12		2.43					
Total HxCDF	4.24		4.47					
Total HpCDF	11.0							

DL - Sample specific estimated detection limit  
EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit  
The results are reported in dry weight. The sample size is reported in wet weight.  
Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

**Sample ID: Method Blank**

**EPA Method 1668A**

Matrix: Solid	QC Batch: B1E0116	Lab Sample: B1E0116-BLK1
Sample Size: 10.0 g	Date Extracted: 13-May-2021 11:39	Date Analyzed: 17-May-21 22:51 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.159			PCB-44	ND	0.247		
PCB-2	ND	0.178			PCB-45	ND	0.240		
PCB-3	ND	0.181			PCB-46	ND	0.250		
PCB-4/10	ND	1.31			PCB-47	ND	0.217		
PCB-5/8	ND	1.00			PCB-48/75	ND	0.180		
PCB-6	ND	0.979			PCB-50	ND	0.201		
PCB-7/9	ND	1.04			PCB-51	ND	0.193		
PCB-11	ND	0.895			PCB-52/69	ND	0.178		
PCB-12/13	ND	0.980			PCB-53	ND	0.205		
PCB-14	ND	0.975			PCB-54	ND	0.166		
PCB-15	ND	0.982			PCB-55	ND	0.154		
PCB-16/32	ND	0.308			PCB-56/60	ND	0.174		
PCB-17	ND	0.378			PCB-57	ND	0.152		
PCB-18	ND	0.353			PCB-58	ND	0.151		
PCB-19	ND	0.428			PCB-61/70	ND	0.167		
PCB-20/21/33	ND	0.251			PCB-62	ND	0.180		
PCB-22	ND	0.242			PCB-63	ND	0.169		
PCB-23	ND	0.257			PCB-65	ND	0.161		
PCB-24/27	ND	0.272			PCB-66/76	ND	0.153		
PCB-25	ND	0.250			PCB-67	ND	0.161		
PCB-26	ND	0.251			PCB-68	ND	0.157		
PCB-28	ND	0.226			PCB-73	ND	0.148		
PCB-29	ND	0.266			PCB-74	ND	0.151		
PCB-30	ND	0.270			PCB-77	ND	0.186		
PCB-31	ND	0.222			PCB-78	ND	0.192		
PCB-34	ND	0.261			PCB-79	ND	0.155		
PCB-35	ND	0.228			PCB-80	ND	0.152		
PCB-36	ND	0.224			PCB-81	ND	0.205		
PCB-37	ND	0.233			PCB-82	ND	0.307		
PCB-38	ND	0.228			PCB-83	ND	0.160		
PCB-39	ND	0.238			PCB-84/92	ND	0.238		
PCB-40	ND	0.326			PCB-85/116	ND	0.203		
PCB-41/64/71/72	ND	0.167			PCB-86	ND	0.236		
PCB-42/59	ND	0.192			PCB-87/117/125	ND	0.186		
PCB-43/49	ND	0.209			PCB-88/91	ND	0.234		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
individual congeners for qualifiers.

See

**Sample ID: Method Blank**

**EPA Method 1668A**

Matrix: Solid	QC Batch: B1E0116	Lab Sample: B1E0116-BLK1
Sample Size: 10.0 g	Date Extracted: 13-May-2021 11:39	Date Analyzed: 17-May-21 22:51 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.222			PCB-137	ND	0.292		
PCB-90/101	ND	0.218			PCB-138/163/164	ND	0.242		
PCB-93	ND	0.279			PCB-139/149	ND	0.171		
PCB-94	ND	0.256			PCB-140	ND	0.202		
PCB-95/98/102	ND	0.199			PCB-141	ND	0.297		
PCB-96	ND	0.149			PCB-142	ND	0.339		
PCB-97	ND	0.222			PCB-144	ND	0.191		
PCB-99	ND	0.198			PCB-145	ND	0.134		
PCB-100	ND	0.182			PCB-146/165	ND	0.247		
PCB-103	ND	0.190			PCB-147	ND	0.185		
PCB-104	ND	0.149			PCB-148	ND	0.198		
PCB-105	ND	0.289			PCB-150	ND	0.141		
PCB-106/118	ND	0.193			PCB-151	ND	0.196		
PCB-107/109	ND	0.176			PCB-152	ND	0.129		
PCB-108/112	ND	0.200			PCB-153	ND	0.236		
PCB-110	ND	0.166			PCB-154	ND	0.183		
PCB-111/115	ND	0.154			PCB-155	ND	0.155		
PCB-113	ND	0.156			PCB-156	ND	0.252		
PCB-114	ND	0.267			PCB-157	ND	0.268		
PCB-119	ND	0.163			PCB-158/160	ND	0.245		
PCB-120	ND	0.139			PCB-159	ND	0.229		
PCB-121	ND	0.145			PCB-166	ND	0.244		
PCB-122	ND	0.312			PCB-167	ND	0.239		
PCB-123	ND	0.195			PCB-168	ND	0.225		
PCB-124	ND	0.181			PCB-169	ND	0.280		
PCB-126	ND	0.299			PCB-170	ND	0.382		
PCB-127	ND	0.273			PCB-171	ND	0.361		
PCB-128/162	ND	0.300			PCB-172	ND	0.350		
PCB-129	ND	0.346			PCB-173	ND	0.412		
PCB-130	ND	0.345			PCB-174	ND	0.367		
PCB-131/133	ND	0.304			PCB-175	ND	0.299		
PCB-132/161	ND	0.244			PCB-176	ND	0.229		
PCB-134/143	ND	0.325			PCB-177	ND	0.385		
PCB-135	ND	0.182			PCB-178	ND	0.307		
PCB-136	ND	0.150			PCB-179	ND	0.237		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
individual congeners for qualifiers.

See

**Sample ID: Method Blank**

**EPA Method 1668A**

Matrix: Solid	QC Batch: B1E0116	Lab Sample: B1E0116-BLK1
Sample Size: 10.0 g	Date Extracted: 13-May-2021 11:39	Date Analyzed: 17-May-21 22:51 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	ND	0.338			Total octaCB	ND	0.310		
PCB-181	ND	0.331			Total nonaCB	ND	0.218		
PCB-182/187	ND	0.270			DecaCB	ND	0.141		
PCB-183	ND	0.280			Total PCB	ND			
PCB-184	ND	0.223							
PCB-185	ND	0.355							
PCB-186	ND	0.207							
PCB-188	ND	0.221							
PCB-189	ND	0.236							
PCB-190	ND	0.292							
PCB-191	ND	0.292							
PCB-192	ND	0.272							
PCB-193	ND	0.299							
PCB-194	ND	0.280							
PCB-195	ND	0.310							
PCB-196/203	ND	0.219							
PCB-197	ND	0.171							
PCB-198	ND	0.237							
PCB-199	ND	0.234							
PCB-200	ND	0.181							
PCB-201	ND	0.183							
PCB-202	ND	0.166							
PCB-204	ND	0.173							
PCB-205	ND	0.234							
PCB-206	ND	0.218							
PCB-207	ND	0.150							
PCB-208	ND	0.148							
PCB-209	ND	0.141							
Total monoCB	ND	0.181							
Total diCB	ND	1.31							
Total triCB	ND	0.428							
Total tetraCB	ND	0.326							
Total pentaCB	ND	0.312							
Total hexaCB	ND	0.346							
Total heptaCB	ND	0.412							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
individual congeners for qualifiers.

See

**Sample ID: Method Blank**

**EPA Method 1668A**

Matrix: Solid	QC Batch: B1E0116	Lab Sample: B1E0116-BLK1
Sample Size: 10.0 g	Date Extracted: 13-May-2021 11:39	Date Analyzed: 17-May-21 22:51 Column: ZB-1

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	84.9	15 - 150		13C-PCB-157	82.5	25 - 150	
13C-PCB-3	77.8	15 - 150		13C-PCB-159	81.6	25 - 150	
13C-PCB-4	74.7	25 - 150		13C-PCB-167	82.5	25 - 150	
13C-PCB-11	78.0	25 - 150		13C-PCB-169	74.0	25 - 150	
13C-PCB-9	74.5	25 - 150		13C-PCB-170	81.7	25 - 150	
13C-PCB-19	86.5	25 - 150		13C-PCB-180	79.9	25 - 150	
13C-PCB-28	70.4	25 - 150		13C-PCB-188	90.1	25 - 150	
13C-PCB-32	92.1	25 - 150		13C-PCB-189	83.7	25 - 150	
13C-PCB-37	77.8	25 - 150		13C-PCB-194	87.9	25 - 150	
13C-PCB-47	87.1	25 - 150		13C-PCB-202	96.2	25 - 150	
13C-PCB-52	87.9	25 - 150		13C-PCB-206	82.4	25 - 150	
13C-PCB-54	87.0	25 - 150		13C-PCB-208	95.2	25 - 150	
13C-PCB-70	86.7	25 - 150		13C-PCB-209	77.6	25 - 150	
13C-PCB-77	75.7	25 - 150		CRS 13C-PCB-79	87.4	30 - 135	
13C-PCB-80	85.9	25 - 150		13C-PCB-178	98.7	30 - 135	
13C-PCB-81	76.4	25 - 150					
13C-PCB-95	94.0	25 - 150					
13C-PCB-97	90.6	25 - 150					
13C-PCB-101	92.2	25 - 150					
13C-PCB-104	101	25 - 150					
13C-PCB-105	80.7	25 - 150					
13C-PCB-114	83.9	25 - 150					
13C-PCB-118	79.2	25 - 150					
13C-PCB-123	80.3	25 - 150					
13C-PCB-126	70.2	25 - 150					
13C-PCB-127	79.7	25 - 150					
13C-PCB-138	84.6	25 - 150					
13C-PCB-141	87.1	25 - 150					
13C-PCB-153	88.9	25 - 150					
13C-PCB-155	102	25 - 150					
13C-PCB-156	79.7	25 - 150					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
individual congeners for qualifiers.

See

**Sample ID: OPR****EPA Method 1668A**Matrix: Solid  
Sample Size: 10.0 gQC Batch: B1E0116  
Date Extracted: 13-May-2021 11:39Lab Sample: B1E0116-BS1  
Date Analyzed: 17-May-21 18:48 Column: ZB-1

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	508	500	102	50 - 150	IS 13C-PCB-1	67.6	15 - 140
PCB-3	516	500	103	50 - 150	IS 13C-PCB-3	68.6	15 - 140
PCB-4/10	994	1000	99.4	50 - 150	IS 13C-PCB-4	69.6	30 - 140
PCB-15	506	500	101	50 - 150	IS 13C-PCB-11	76.5	30 - 140
PCB-19	490	500	98.1	50 - 150	IS 13C-PCB-9	71.8	30 - 140
PCB-37	537	500	107	50 - 150	IS 13C-PCB-19	89.5	30 - 140
PCB-54	531	500	106	50 - 150	IS 13C-PCB-28	69.4	30 - 140
PCB-77	547	500	109	50 - 150	IS 13C-PCB-32	88.2	30 - 140
PCB-81	532	500	106	50 - 150	IS 13C-PCB-37	72.1	30 - 140
PCB-104	501	500	100	50 - 150	IS 13C-PCB-47	86.4	30 - 140
PCB-105	543	500	109	50 - 150	IS 13C-PCB-52	87.2	30 - 140
PCB-106/118	1020	1000	102	50 - 150	IS 13C-PCB-54	86.9	30 - 140
PCB-114	533	500	107	50 - 150	IS 13C-PCB-70	86.2	30 - 140
PCB-123	505	500	101	50 - 150	IS 13C-PCB-77	79.6	30 - 140
PCB-126	525	500	105	50 - 150	IS 13C-PCB-80	84.9	30 - 140
PCB-155	514	500	103	50 - 150	IS 13C-PCB-81	80.3	30 - 140
PCB-156	529	500	106	50 - 150	IS 13C-PCB-95	89.8	30 - 140
PCB-157	524	500	105	50 - 150	IS 13C-PCB-97	87.6	30 - 140
PCB-167	527	500	105	50 - 150	IS 13C-PCB-101	88.1	30 - 140
PCB-169	517	500	103	50 - 150	IS 13C-PCB-104	95.4	30 - 140
PCB-188	540	500	108	50 - 150	IS 13C-PCB-105	78.5	30 - 140
PCB-189	518	500	104	50 - 150	IS 13C-PCB-114	81.8	30 - 140
PCB-202	520	500	104	50 - 150	IS 13C-PCB-118	84.5	30 - 140
PCB-205	514	500	103	50 - 150	IS 13C-PCB-123	85.2	30 - 140
PCB-206	501	500	100	50 - 150	IS 13C-PCB-126	72.0	30 - 140
PCB-208	527	500	105	50 - 150	IS 13C-PCB-127	80.2	30 - 140
PCB-209	479	500	95.8	50 - 150	IS 13C-PCB-138	84.1	30 - 140
					IS 13C-PCB-141	87.6	30 - 140
					IS 13C-PCB-153	84.8	30 - 140
					IS 13C-PCB-155	98.2	30 - 140
					IS 13C-PCB-156	81.6	30 - 140
					IS 13C-PCB-157	84.6	30 - 140
					IS 13C-PCB-159	83.7	30 - 140
					IS 13C-PCB-167	84.3	30 - 140
					IS 13C-PCB-169	81.0	30 - 140
					IS 13C-PCB-170	82.8	30 - 140
					IS 13C-PCB-180	84.7	30 - 140
					IS 13C-PCB-188	86.6	30 - 140
					IS 13C-PCB-189	80.7	30 - 140
					IS 13C-PCB-194	89.7	30 - 140

**Sample ID: OPR**

**EPA Method 1668A**

Matrix: Solid  
Sample Size: 10.0 g

QC Batch: B1E0116  
Date Extracted: 13-May-2021 11:39

Lab Sample: B1E0116-BS1  
Date Analyzed: 17-May-21 18:48 Column: ZB-1

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	96.8	30 - 140
					IS 13C-PCB-206	81.5	30 - 140
					IS 13C-PCB-208	94.9	30 - 140
					IS 13C-PCB-209	77.7	30 - 140
					CRS 13C-PCB-79	80.6	25 - 125
					CRS 13C-PCB-178	90.6	25 - 125

LCL-UCL - Lower control limit - upper control limit



**Sample ID: USMPDI-028SG-210504**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2105047-01	Date Received:	06-May-2021 9:48
Project:	GascoSiltronic: US Moorings	Sample Size:	10.6 g	QC Batch:	B1E0116	Date Extracted:	13-May-2021 11:39
Date Collected:	04-May-2021 14:14	% Solids:	47.1	Date Analyzed :	18-May-21 01:54	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	5.51				PCB-44	137			
PCB-2	12.3				PCB-45	15.3			
PCB-3	8.31				PCB-46	5.87			
PCB-4/10	12.7				PCB-47	50.4			
PCB-5/8	30.3				PCB-48/75	19.1			
PCB-6	ND		8.09		PCB-50	0.933			J
PCB-7/9	ND	1.23			PCB-51	8.41			
PCB-11	37.6				PCB-52/69	198			
PCB-12/13	ND	1.27			PCB-53	17.8			
PCB-14	ND	1.26			PCB-54	ND		1.33	
PCB-15	34.0				PCB-55	0.476			J
PCB-16/32	30.3				PCB-56/60	74.8			
PCB-17	22.7				PCB-57	0.909			J
PCB-18	42.5				PCB-58	ND		0.734	
PCB-19	9.53				PCB-61/70	207			
PCB-20/21/33	45.3				PCB-62	ND	1.04		
PCB-22	27.9				PCB-63	5.44			
PCB-23	ND	0.675			PCB-65	ND	0.931		
PCB-24/27	5.24			J	PCB-66/76	126			
PCB-25	ND		9.98		PCB-67	4.02			J
PCB-26	19.0				PCB-68	ND		1.61	
PCB-28	90.0				PCB-73	ND	0.866		
PCB-29	ND	0.699			PCB-74	59.8			
PCB-30	ND	0.377			PCB-77	30.7			
PCB-31	70.9				PCB-78	ND	0.862		
PCB-34	ND	0.686			PCB-79	5.35			
PCB-35	2.56			J	PCB-80	ND	0.758		
PCB-36	ND	0.624			PCB-81	1.92			J
PCB-37	39.5				PCB-82	46.0			
PCB-38	0.476			J	PCB-83	ND	0.600		
PCB-39	ND		0.788		PCB-84/92	165			
PCB-40	24.6				PCB-85/116	68.2			
PCB-41/64/71/72	107				PCB-86	ND	0.883		
PCB-42/59	37.0				PCB-87/117/125	146			
PCB-43/49	115				PCB-88/91	ND		51.3	

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
See individual congeners for qualifiers.

**Sample ID: USMPDI-028SG-210504**

**EPA Method 1668A**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2105047-01
Project:	GascoSiltronic: US Moorings	Sample Size:	10.6 g	Date Received:	06-May-2021 9:48
Date Collected:	04-May-2021 14:14	% Solids:	47.1	QC Batch:	B1E0116
				Date Analyzed:	18-May-21 01:54
				Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND		2.11		PCB-137	29.8			
PCB-90/101	425				PCB-138/163/164	549			
PCB-93	ND		3.90		PCB-139/149	326			
PCB-94	3.08			J	PCB-140	ND		3.03	
PCB-95/98/102	255				PCB-141	84.0			
PCB-96	ND		2.66		PCB-142	ND	2.12		
PCB-97	113				PCB-144	ND		13.6	
PCB-99	189				PCB-145	ND	0.425		
PCB-100	ND		3.19		PCB-146/165	75.3			
PCB-103	ND		5.34		PCB-147	14.4			
PCB-104	ND	0.643			PCB-148	ND	0.627		
PCB-105	204				PCB-150	1.21			J
PCB-106/118	434				PCB-151	91.4			
PCB-107/109	28.4				PCB-152	ND	0.410		
PCB-108/112	15.8				PCB-153	459			
PCB-110	470				PCB-154	7.42			
PCB-111/115	7.63			J	PCB-155	ND	0.490		
PCB-113	ND		2.28		PCB-156	85.2			
PCB-114	16.8				PCB-157	32.9			
PCB-119	9.52				PCB-158/160	63.6			
PCB-120	ND	0.521			PCB-159	ND	1.30		
PCB-121	0.750			J	PCB-166	ND	1.38		
PCB-122	ND		4.70		PCB-167	28.8			
PCB-123	12.5				PCB-168	ND	1.41		
PCB-124	19.0				PCB-169	ND		12.8	
PCB-126	16.5				PCB-170	118			
PCB-127	ND	1.27			PCB-171	30.0			
PCB-128/162	105				PCB-172	19.8			
PCB-129	ND		21.9		PCB-173	ND		1.65	
PCB-130	37.0				PCB-174	119			
PCB-131/133	ND		13.9		PCB-175	ND		3.62	
PCB-132/161	131				PCB-176	ND		12.2	
PCB-134/143	25.2				PCB-177	66.7			
PCB-135	49.7				PCB-178	28.8			
PCB-136	52.6				PCB-179	51.0			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
See individual congeners for qualifiers.

**Sample ID: USMPDI-028SG-210504**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2105047-01	Date Received:	06-May-2021 9:48
Project:	GascoSiltronic: US Moorings	Sample Size:	10.6 g	QC Batch:	B1E0116	Date Extracted:	13-May-2021 11:39
Date Collected:	04-May-2021 14:14	% Solids:	47.1	Date Analyzed :	18-May-21 01:54	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	287				Total octaCB	287		291	
PCB-181	1.96			J	Total nonaCB	62.1			
PCB-182/187	146				DecaCB	43.9			
PCB-183	62.0				Total PCB	8110			
PCB-184	ND	0.628							
PCB-185	12.0								
PCB-186	ND	0.581							
PCB-188	ND	0.623							
PCB-189	25.1								
PCB-190	27.7								
PCB-191	7.30								
PCB-192	ND	0.678							
PCB-193	21.1								
PCB-194	56.4								
PCB-195	21.9								
PCB-196/203	81.5								
PCB-197	1.96			J					
PCB-198	ND		3.93						
PCB-199	85.6								
PCB-200	8.91								
PCB-201	9.53								
PCB-202	18.7								
PCB-204	ND	0.295							
PCB-205	2.65			J					
PCB-206	40.6								
PCB-207	6.49								
PCB-208	15.0								
PCB-209	43.9								
Total monoCB	26.1								
Total diCB	115		123						
Total triCB	406		417						
Total tetraCB	1250		1260						
Total pentaCB	2650		2720						
Total hexaCB	2250		2310						
Total heptaCB	1020		1040						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
See individual congeners for qualifiers.

**Sample ID: USMPDI-028SG-210504**

**EPA Method 1668A**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2105047-01
Project:	GascoSiltronic: US Moorings	Sample Size:	10.6 g	Date Received:	06-May-2021 9:48
Date Collected:	04-May-2021 14:14	% Solids:	47.1	QC Batch:	B1E0116
				Date Analyzed :	18-May-21 01:54 Column: ZB-1
Date Received:				Date Extracted:	13-May-2021 11:39

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	89.7	15 -150		13C-PCB-170	101	25 -150	
13C-PCB-3	90.2	15 -150		13C-PCB-180	97.9	25 -150	
13C-PCB-4	85.5	25 -150		13C-PCB-188	94.5	25 -150	
13C-PCB-11	88.3	25 -150		13C-PCB-189	103	25 -150	
13C-PCB-9	89.4	25 -150		13C-PCB-194	104	25 -150	
13C-PCB-19	100	25 -150		13C-PCB-202	102	25 -150	
13C-PCB-28	86.2	25 -150		13C-PCB-206	105	25 -150	
13C-PCB-32	97.5	25 -150		13C-PCB-208	115	25 -150	
13C-PCB-37	88.7	25 -150		13C-PCB-209	109	25 -150	
13C-PCB-47	85.4	25 -150		CRS 13C-PCB-79	94.5	30 -135	
13C-PCB-52	86.3	25 -150		13C-PCB-178	98.4	30 -135	
13C-PCB-54	82.3	25 -150					
13C-PCB-70	93.1	25 -150					
13C-PCB-77	90.8	25 -150					
13C-PCB-80	91.2	25 -150					
13C-PCB-81	90.7	25 -150					
13C-PCB-95	89.0	25 -150					
13C-PCB-97	91.1	25 -150					
13C-PCB-101	90.4	25 -150					
13C-PCB-104	87.0	25 -150					
13C-PCB-105	85.0	25 -150					
13C-PCB-114	86.4	25 -150					
13C-PCB-118	92.6	25 -150					
13C-PCB-123	94.5	25 -150					
13C-PCB-126	76.2	25 -150					
13C-PCB-127	86.2	25 -150					
13C-PCB-138	95.0	25 -150					
13C-PCB-141	94.9	25 -150					
13C-PCB-153	91.9	25 -150					
13C-PCB-155	94.6	25 -150					
13C-PCB-156	92.5	25 -150					
13C-PCB-157	95.9	25 -150					
13C-PCB-159	91.1	25 -150					
13C-PCB-167	92.1	25 -150					
13C-PCB-169	93.0	25 -150					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
See individual congeners for qualifiers.

**Sample ID: USMPDI-030SG-210504**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2105047-02	Date Received:	06-May-2021 9:48
Project:	GascoSiltronic: US Moorings	Sample Size:	9.02 g	QC Batch:	B1E0116	Date Extracted:	13-May-2021 11:39
Date Collected:	04-May-2021 10:14	% Solids:	55.7	Date Analyzed :	18-May-21 06:05	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND		4.19		PCB-44	86.7			
PCB-2	7.02				PCB-45	16.6			
PCB-3	5.70				PCB-46	ND		6.60	
PCB-4/10	ND		11.3		PCB-47	34.2			
PCB-5/8	ND		34.5		PCB-48/75	16.2			
PCB-6	ND		7.28		PCB-50	ND	0.670		
PCB-7/9	ND	1.84			PCB-51	ND		5.30	
PCB-11	22.6				PCB-52/69	98.2			
PCB-12/13	ND	1.64			PCB-53	17.0			
PCB-14	ND	1.64			PCB-54	0.901			J
PCB-15	39.5				PCB-55	ND		0.403	
PCB-16/32	39.5				PCB-56/60	50.3			
PCB-17	28.9				PCB-57	ND		0.627	
PCB-18	54.8				PCB-58	ND		0.552	
PCB-19	8.89				PCB-61/70	94.0			
PCB-20/21/33	52.6				PCB-62	ND	0.596		
PCB-22	31.8				PCB-63	3.33			J
PCB-23	ND	0.597			PCB-65	ND	0.533		
PCB-24/27	6.19			J	PCB-66/76	70.4			
PCB-25	7.71				PCB-67	ND		2.25	
PCB-26	14.1				PCB-68	ND	0.520		
PCB-28	87.8				PCB-73	ND		0.447	
PCB-29	ND	0.618			PCB-74	34.1			
PCB-30	ND	0.410			PCB-77	13.4			
PCB-31	64.3				PCB-78	ND	0.561		
PCB-34	ND	0.607			PCB-79	ND		1.69	
PCB-35	ND	0.521			PCB-80	ND	0.479		
PCB-36	ND	0.510			PCB-81	ND		0.537	
PCB-37	35.5				PCB-82	17.5			
PCB-38	ND	0.519			PCB-83	ND	0.451		
PCB-39	ND	0.543			PCB-84/92	65.7			
PCB-40	19.3				PCB-85/116	24.6			
PCB-41/64/71/72	81.1				PCB-86	ND		0.559	
PCB-42/59	32.8				PCB-87/117/125	49.7			
PCB-43/49	75.3				PCB-88/91	23.5			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
See individual congeners for qualifiers.

**Sample ID: USMPDI-030SG-210504**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2105047-02	Date Received:	06-May-2021 9:48
Project:	GascoSiltronic: US Moorings	Sample Size:	9.02 g	QC Batch:	B1E0116	Date Extracted:	13-May-2021 11:39
Date Collected:	04-May-2021 10:14	% Solids:	55.7	Date Analyzed :	18-May-21 06:05	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND		1.71		PCB-137	ND		7.13	
PCB-90/101	145				PCB-138/163/164	194			
PCB-93	ND		3.84		PCB-139/149	131			
PCB-94	1.84			J	PCB-140	ND	0.599		
PCB-95/98/102	100				PCB-141	38.0			
PCB-96	1.74			J	PCB-142	ND	1.50		
PCB-97	37.2				PCB-144	6.02			
PCB-99	62.2				PCB-145	ND	0.398		
PCB-100	ND		1.76		PCB-146/165	28.2			
PCB-103	2.07			J	PCB-147	4.26			J
PCB-104	ND	0.428			PCB-148	ND	0.587		
PCB-105	53.2				PCB-150	ND	0.418		
PCB-106/118	120				PCB-151	41.3			
PCB-107/109	10.4				PCB-152	ND	0.384		
PCB-108/112	ND		5.45		PCB-153	163			
PCB-110	160				PCB-154	3.55			J
PCB-111/115	2.62			J	PCB-155	ND	0.458		
PCB-113	ND	0.446			PCB-156	18.4			
PCB-114	ND		4.39		PCB-157	7.56			
PCB-119	ND		2.99		PCB-158/160	21.1			
PCB-120	ND	0.392			PCB-159	ND	0.886		
PCB-121	ND		0.402		PCB-166	ND	0.942		
PCB-122	ND	1.10			PCB-167	7.31			
PCB-123	ND		3.51		PCB-168	ND	0.998		
PCB-124	5.99				PCB-169	4.33			J
PCB-126	4.91			J	PCB-170	54.4			
PCB-127	ND	0.900			PCB-171	15.8			
PCB-128/162	32.0				PCB-172	8.84			
PCB-129	7.53				PCB-173	ND	0.910		
PCB-130	15.8				PCB-174	63.6			
PCB-131/133	6.85			J	PCB-175	ND		2.09	
PCB-132/161	49.0				PCB-176	8.55			
PCB-134/143	9.73			J	PCB-177	36.4			
PCB-135	21.3				PCB-178	ND		12.2	
PCB-136	25.8				PCB-179	27.3			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
See individual congeners for qualifiers.

**Sample ID: USMPDI-030SG-210504**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2105047-02	Date Received:	06-May-2021 9:48
Project:	GascoSiltronic: US Moorings	Sample Size:	9.02 g	QC Batch:	B1E0116	Date Extracted:	13-May-2021 11:39
Date Collected:	04-May-2021 10:14	% Solids:	55.7	Date Analyzed :	18-May-21 06:05	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	132				Total octaCB	121		163	
PCB-181	ND	0.731			Total nonaCB	54.1			
PCB-182/187	83.0				DecaCB	23.3			
PCB-183	35.4				Total PCB	3650			
PCB-184	ND	0.600							
PCB-185	ND		6.19						
PCB-186	ND	0.555							
PCB-188	ND	0.595							
PCB-189	ND		6.35						
PCB-190	11.3								
PCB-191	ND		1.46						
PCB-192	ND	0.602							
PCB-193	ND		6.69						
PCB-194	ND		30.4						
PCB-195	13.1								
PCB-196/203	48.7								
PCB-197	ND		0.859						
PCB-198	2.95			J					
PCB-199	45.8								
PCB-200	ND		4.80						
PCB-201	ND		4.88						
PCB-202	10.4								
PCB-204	ND	0.283							
PCB-205	ND		0.962						
PCB-206	37.5								
PCB-207	4.24			J					
PCB-208	12.4								
PCB-209	23.3								
Total monoCB	12.7		16.9						
Total diCB	62.2		115						
Total triCB	432								
Total tetraCB	744		762						
Total pentaCB	888		913						
Total hexaCB	836		844						
Total heptaCB	476		511						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
See individual congeners for qualifiers.

**Sample ID: USMPDI-030SG-210504**

**EPA Method 1668A**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2105047-02
Project:	GascoSiltronic: US Moorings	Sample Size:	9.02 g	Date Received:	06-May-2021 9:48
Date Collected:	04-May-2021 10:14	% Solids:	55.7	QC Batch:	B1E0116
				Date Analyzed :	18-May-21 06:05 Column: ZB-1
				Date Extracted:	13-May-2021 11:39

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	78.7	15 -150		13C-PCB-170	95.2	25 -150	
13C-PCB-3	75.9	15 -150		13C-PCB-180	96.6	25 -150	
13C-PCB-4	71.7	25 -150		13C-PCB-188	89.4	25 -150	
13C-PCB-11	81.0	25 -150		13C-PCB-189	94.1	25 -150	
13C-PCB-9	72.2	25 -150		13C-PCB-194	93.7	25 -150	
13C-PCB-19	91.0	25 -150		13C-PCB-202	104	25 -150	
13C-PCB-28	92.6	25 -150		13C-PCB-206	88.5	25 -150	
13C-PCB-32	99.8	25 -150		13C-PCB-208	99.2	25 -150	
13C-PCB-37	95.1	25 -150		13C-PCB-209	91.5	25 -150	
13C-PCB-47	97.4	25 -150		CRS 13C-PCB-79	93.7	30 -135	
13C-PCB-52	97.2	25 -150		13C-PCB-178	102	30 -135	
13C-PCB-54	88.5	25 -150					
13C-PCB-70	93.2	25 -150					
13C-PCB-77	86.9	25 -150					
13C-PCB-80	91.9	25 -150					
13C-PCB-81	88.5	25 -150					
13C-PCB-95	94.2	25 -150					
13C-PCB-97	91.3	25 -150					
13C-PCB-101	92.0	25 -150					
13C-PCB-104	102	25 -150					
13C-PCB-105	76.0	25 -150					
13C-PCB-114	75.3	25 -150					
13C-PCB-118	87.8	25 -150					
13C-PCB-123	90.5	25 -150					
13C-PCB-126	70.9	25 -150					
13C-PCB-127	78.3	25 -150					
13C-PCB-138	89.2	25 -150					
13C-PCB-141	86.3	25 -150					
13C-PCB-153	86.5	25 -150					
13C-PCB-155	98.7	25 -150					
13C-PCB-156	90.8	25 -150					
13C-PCB-157	91.8	25 -150					
13C-PCB-159	89.6	25 -150					
13C-PCB-167	92.2	25 -150					
13C-PCB-169	91.9	25 -150					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
See individual congeners for qualifiers.



**Sample ID: USMPDI-031SG-210504**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2105047-03	Date Received:	06-May-2021 9:48
Project:	GascoSiltronic: US Moorings	Sample Size:	12.2 g	QC Batch:	B1E0116	Date Extracted:	13-May-2021 11:39
Date Collected:	04-May-2021 11:18	% Solids:	41.0	Date Analyzed :	18-May-21 07:06	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	1.39			J	PCB-44	24.5			
PCB-2	4.42			J	PCB-45	ND		2.71	
PCB-3	1.54			J	PCB-46	1.75			J
PCB-4/10	ND	1.69			PCB-47	ND		14.3	
PCB-5/8	ND		6.81		PCB-48/75	4.26			J
PCB-6	ND	1.18			PCB-50	ND	0.639		
PCB-7/9	ND	1.25			PCB-51	ND		2.51	
PCB-11	12.9				PCB-52/69	31.1			
PCB-12/13	ND	1.05			PCB-53	ND		3.94	
PCB-14	ND	1.05			PCB-54	0.653			J
PCB-15	6.24				PCB-55	ND	0.501		
PCB-16/32	7.74			J	PCB-56/60	14.0			
PCB-17	6.15				PCB-57	ND	0.543		
PCB-18	11.8				PCB-58	ND	0.541		
PCB-19	3.32			J	PCB-61/70	31.5			
PCB-20/21/33	9.56			J	PCB-62	ND	0.647		
PCB-22	7.15				PCB-63	1.42			J
PCB-23	ND	0.667			PCB-65	ND	0.579		
PCB-24/27	ND	0.496			PCB-66/76	26.4			
PCB-25	ND		1.98		PCB-67	ND	0.576		
PCB-26	5.03				PCB-68	ND	0.564		
PCB-28	21.1				PCB-73	ND	0.523		
PCB-29	ND	0.690			PCB-74	11.8			
PCB-30	ND	0.433			PCB-77	6.02			
PCB-31	15.5				PCB-78	ND	0.544		
PCB-34	ND	0.678			PCB-79	1.07			J
PCB-35	ND	0.647			PCB-80	ND	0.495		
PCB-36	ND	0.634			PCB-81	ND		0.515	
PCB-37	8.02				PCB-82	ND		4.31	
PCB-38	ND	0.645			PCB-83	ND	0.661		
PCB-39	ND	0.675			PCB-84/92	ND		20.4	
PCB-40	4.40			J	PCB-85/116	ND		8.45	
PCB-41/64/71/72	21.0				PCB-86	ND	0.973		
PCB-42/59	8.58			J	PCB-87/117/125	17.2			
PCB-43/49	ND		21.5		PCB-88/91	9.55			J

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
See individual congeners for qualifiers.

**Sample ID: USMPDI-031SG-210504**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2105047-03	Date Received:	06-May-2021 9:48
Project:	GascoSiltronic: US Moorings	Sample Size:	12.2 g	QC Batch:	B1E0116	Date Extracted:	13-May-2021 11:39
Date Collected:	04-May-2021 11:18	% Solids:	41.0	Date Analyzed :	18-May-21 07:06	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.913			PCB-137	ND		4.24	
PCB-90/101	58.7				PCB-138/163/164	78.8			
PCB-93	ND	1.21			PCB-139/149	58.0			
PCB-94	ND	1.11			PCB-140	ND	0.523		
PCB-95/98/102	38.7				PCB-141	14.5			
PCB-96	ND	0.665			PCB-142	ND	1.24		
PCB-97	ND		12.3		PCB-144	ND		3.28	
PCB-99	26.7				PCB-145	ND	0.347		
PCB-100	ND	0.812			PCB-146/165	ND		12.5	
PCB-103	ND	0.849			PCB-147	1.99			J
PCB-104	ND	0.666			PCB-148	ND	0.512		
PCB-105	19.7				PCB-150	ND	0.365		
PCB-106/118	50.1				PCB-151	ND		17.8	
PCB-107/109	3.57			J	PCB-152	ND	0.335		
PCB-108/112	2.39			J	PCB-153	78.2			
PCB-110	57.6				PCB-154	2.13			J
PCB-111/115	ND		0.578		PCB-155	ND	0.400		
PCB-113	ND		0.449		PCB-156	9.22			
PCB-114	ND	0.852			PCB-157	4.38			J
PCB-119	ND		1.57		PCB-158/160	ND		7.57	
PCB-120	ND		0.762		PCB-159	ND	0.842		
PCB-121	ND	0.628			PCB-166	ND	0.895		
PCB-122	ND	0.993			PCB-167	ND		3.03	
PCB-123	ND		1.87		PCB-168	ND	0.825		
PCB-124	ND		2.47		PCB-169	ND		3.70	
PCB-126	ND		2.76		PCB-170	19.3			
PCB-127	ND	0.818			PCB-171	ND		4.95	
PCB-128/162	ND		10.4		PCB-172	3.84			J
PCB-129	ND		2.27		PCB-173	ND	0.850		
PCB-130	7.33				PCB-174	24.5			
PCB-131/133	ND		2.23		PCB-175	ND	0.601		
PCB-132/161	18.9				PCB-176	3.85			J
PCB-134/143	3.43			J	PCB-177	14.7			
PCB-135	10.9				PCB-178	ND		4.81	
PCB-136	11.0				PCB-179	ND		10.3	

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
See individual congeners for qualifiers.

**Sample ID: USMPDI-031SG-210504**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2105047-03	Date Received:	06-May-2021 9:48
Project:	GascoSiltronic: US Moorings	Sample Size:	12.2 g	QC Batch:	B1E0116	Date Extracted:	13-May-2021 11:39
Date Collected:	04-May-2021 11:18	% Solids:	41.0	Date Analyzed :	18-May-21 07:06	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	52.9				Total octaCB	39.6		55.3	
PCB-181	ND	0.682			Total nonaCB	8.66		11.6	
PCB-182/187	ND		29.0		DecaCB	9.87			
PCB-183	12.5				Total PCB	1090			
PCB-184	ND	0.449							
PCB-185	ND		3.07						
PCB-186	ND	0.416							
PCB-188	ND	0.446							
PCB-189	4.28			J					
PCB-190	ND		4.73						
PCB-191	ND	0.602							
PCB-192	ND	0.562							
PCB-193	4.35			J					
PCB-194	11.1								
PCB-195	5.13								
PCB-196/203	ND		13.6						
PCB-197	ND	0.372							
PCB-198	ND	0.516							
PCB-199	16.7								
PCB-200	2.82			J					
PCB-201	ND		2.08						
PCB-202	3.83			J					
PCB-204	ND	0.376							
PCB-205	ND	0.586							
PCB-206	8.66								
PCB-207	ND	0.474							
PCB-208	ND		2.93						
PCB-209	9.87								
Total monoCB	7.35								
Total diCB	19.1		25.9						
Total triCB	95.4		97.4						
Total tetraCB	189		234						
Total pentaCB	284		340						
Total hexaCB	299		366						
Total heptaCB	140		197						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
See individual congeners for qualifiers.

**Sample ID: USMPDI-031SG-210504**

**EPA Method 1668A**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2105047-03
Project:	GascoSiltronic: US Moorings	Sample Size:	12.2 g	Date Received:	06-May-2021 9:48
Date Collected:	04-May-2021 11:18	% Solids:	41.0	QC Batch:	B1E0116
				Date Analyzed :	18-May-21 07:06 Column: ZB-1
				Date Extracted:	13-May-2021 11:39

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	63.6	15 -150		13C-PCB-170	82.7	25 -150	
13C-PCB-3	65.7	15 -150		13C-PCB-180	80.9	25 -150	
13C-PCB-4	66.1	25 -150		13C-PCB-188	86.9	25 -150	
13C-PCB-11	83.1	25 -150		13C-PCB-189	81.5	25 -150	
13C-PCB-9	70.8	25 -150		13C-PCB-194	84.1	25 -150	
13C-PCB-19	83.9	25 -150		13C-PCB-202	88.5	25 -150	
13C-PCB-28	77.5	25 -150		13C-PCB-206	82.8	25 -150	
13C-PCB-32	83.7	25 -150		13C-PCB-208	87.6	25 -150	
13C-PCB-37	76.0	25 -150		13C-PCB-209	86.5	25 -150	
13C-PCB-47	82.4	25 -150		CRS 13C-PCB-79	94.2	30 -135	
13C-PCB-52	83.4	25 -150		13C-PCB-178	101	30 -135	
13C-PCB-54	87.6	25 -150					
13C-PCB-70	81.7	25 -150					
13C-PCB-77	84.0	25 -150					
13C-PCB-80	83.2	25 -150					
13C-PCB-81	83.3	25 -150					
13C-PCB-95	80.4	25 -150					
13C-PCB-97	83.7	25 -150					
13C-PCB-101	85.1	25 -150					
13C-PCB-104	86.3	25 -150					
13C-PCB-105	82.7	25 -150					
13C-PCB-114	82.4	25 -150					
13C-PCB-118	87.5	25 -150					
13C-PCB-123	89.0	25 -150					
13C-PCB-126	75.3	25 -150					
13C-PCB-127	82.6	25 -150					
13C-PCB-138	89.8	25 -150					
13C-PCB-141	89.7	25 -150					
13C-PCB-153	86.7	25 -150					
13C-PCB-155	88.7	25 -150					
13C-PCB-156	82.1	25 -150					
13C-PCB-157	84.1	25 -150					
13C-PCB-159	82.6	25 -150					
13C-PCB-167	84.5	25 -150					
13C-PCB-169	86.4	25 -150					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
See individual congeners for qualifiers.

**Sample ID: USMPDI-035SG-210504**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2105047-04	Date Received:	06-May-2021 9:48
Project:	GascoSiltronic: US Moorings	Sample Size:	10.3 g	QC Batch:	B1E0116	Date Extracted:	13-May-2021 11:39
Date Collected:	04-May-2021 13:19	% Solids:	48.6	Date Analyzed :	18-May-21 08:06	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	4.74			J	PCB-44	177			
PCB-2	11.7				PCB-45	21.8			
PCB-3	5.70				PCB-46	9.42			
PCB-4/10	ND		15.9		PCB-47	65.0			
PCB-5/8	34.6				PCB-48/75	25.8			
PCB-6	ND		8.17		PCB-50	ND	0.777		
PCB-7/9	ND	1.57			PCB-51	10.2			
PCB-11	48.3				PCB-52/69	254			
PCB-12/13	ND	1.54			PCB-53	29.4			
PCB-14	ND	1.53			PCB-54	ND		1.45	
PCB-15	46.2				PCB-55	1.40			J
PCB-16/32	42.8				PCB-56/60	100			
PCB-17	28.2				PCB-57	ND	0.626		
PCB-18	63.2				PCB-58	ND		0.622	
PCB-19	14.6				PCB-61/70	221			
PCB-20/21/33	56.7				PCB-62	ND	0.791		
PCB-22	37.5				PCB-63	ND		6.04	
PCB-23	ND	0.949			PCB-65	ND	0.707		
PCB-24/27	8.17			J	PCB-66/76	148			
PCB-25	9.33				PCB-67	ND		4.62	
PCB-26	19.4				PCB-68	3.14			J
PCB-28	115				PCB-73	ND		0.581	
PCB-29	ND	0.983			PCB-74	73.1			
PCB-30	ND	0.592			PCB-77	29.4			
PCB-31	88.1				PCB-78	ND		1.17	
PCB-34	ND	0.964			PCB-79	2.08			J
PCB-35	ND		3.70		PCB-80	ND	0.599		
PCB-36	ND	0.873			PCB-81	ND		1.74	
PCB-37	56.7				PCB-82	47.4			
PCB-38	ND	0.888			PCB-83	ND	0.900		
PCB-39	ND	0.930			PCB-84/92	187			
PCB-40	ND		27.7		PCB-85/116	68.7			
PCB-41/64/71/72	143				PCB-86	ND	1.32		
PCB-42/59	46.7				PCB-87/117/125	162			
PCB-43/49	149				PCB-88/91	59.9			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
See individual congeners for qualifiers.

**Sample ID: USMPDI-035SG-210504**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2105047-04	Date Received:	06-May-2021 9:48
Project:	GascoSiltronic: US Moorings	Sample Size:	10.3 g	QC Batch:	B1E0116	Date Extracted:	13-May-2021 11:39
Date Collected:	04-May-2021 13:19	% Solids:	48.6	Date Analyzed :	18-May-21 08:06	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	4.72			J	PCB-137	ND		25.3	
PCB-90/101	456				PCB-138/163/164	503			
PCB-93	9.97				PCB-139/149	324			
PCB-94	ND		3.41		PCB-140	ND		2.92	
PCB-95/98/102	287				PCB-141	93.6			
PCB-96	3.80			J	PCB-142	ND	2.10		
PCB-97	113				PCB-144	18.4			
PCB-99	176				PCB-145	ND	0.464		
PCB-100	ND		3.54		PCB-146/165	72.7			
PCB-103	6.31				PCB-147	ND		8.65	
PCB-104	ND	0.922			PCB-148	ND		1.26	
PCB-105	154				PCB-150	ND	0.488		
PCB-106/118	372				PCB-151	95.6			
PCB-107/109	26.7				PCB-152	ND		0.840	
PCB-108/112	19.3				PCB-153	421			
PCB-110	456				PCB-154	7.96			
PCB-111/115	7.53			J	PCB-155	ND	0.535		
PCB-113	ND		1.74		PCB-156	55.8			
PCB-114	9.82				PCB-157	15.9			
PCB-119	9.27				PCB-158/160	58.3			
PCB-120	1.66			J	PCB-159	ND	1.30		
PCB-121	0.935			J	PCB-166	ND	1.38		
PCB-122	ND		5.63		PCB-167	21.3			
PCB-123	8.90				PCB-168	ND	1.39		
PCB-124	17.6				PCB-169	ND		3.37	
PCB-126	7.49				PCB-170	114			
PCB-127	ND	1.73			PCB-171	29.9			
PCB-128/162	91.1				PCB-172	21.3			
PCB-129	23.5				PCB-173	4.28			J
PCB-130	43.1				PCB-174	124			
PCB-131/133	ND		13.9		PCB-175	ND		3.73	
PCB-132/161	122				PCB-176	16.3			
PCB-134/143	29.2				PCB-177	72.1			
PCB-135	54.0				PCB-178	26.9			
PCB-136	58.8				PCB-179	53.1			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
See individual congeners for qualifiers.

**Sample ID: USMPDI-035SG-210504**

**EPA Method 1668A**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2105047-04
Project:	GascoSiltronic: US Moorings	Sample Size:	10.3 g	Date Received:	06-May-2021 9:48
Date Collected:	04-May-2021 13:19	% Solids:	48.6	QC Batch:	B1E0116
				Date Analyzed :	18-May-21 08:06 Column: ZB-1
				Date Extracted:	13-May-2021 11:39

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	265				Total octaCB	235		281	
PCB-181	1.58			J	Total nonaCB	25.6		65.0	
PCB-182/187	146				DecaCB	46.5			
PCB-183	62.2				Total PCB	8290			
PCB-184	ND	0.649							
PCB-185	12.5								
PCB-186	ND	0.601							
PCB-188	ND		0.591						
PCB-189	10.3								
PCB-190	27.0								
PCB-191	ND		4.14						
PCB-192	ND	0.751							
PCB-193	17.7								
PCB-194	56.3								
PCB-195	ND		18.2						
PCB-196/203	81.7								
PCB-197	2.60			J					
PCB-198	ND		3.90						
PCB-199	85.0								
PCB-200	ND		7.68						
PCB-201	9.55								
PCB-202	ND		13.5						
PCB-204	ND	0.627							
PCB-205	ND		2.32						
PCB-206	ND		39.4						
PCB-207	8.35								
PCB-208	17.2								
PCB-209	46.5								
Total monoCB	22.2								
Total diCB	129		153						
Total triCB	540		544						
Total tetraCB	1510		1550						
Total pentaCB	2670		2690						
Total hexaCB	2110		2170						
Total heptaCB	1000		1010						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
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**Sample ID: USMPDI-035SG-210504**

**EPA Method 1668A**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2105047-04
Project:	GascoSiltronic: US Moorings	Sample Size:	10.3 g	Date Received:	06-May-2021 9:48
Date Collected:	04-May-2021 13:19	% Solids:	48.6	QC Batch:	B1E0116
				Date Analyzed :	18-May-21 08:06 Column: ZB-1
Date Received:				Date Extracted:	13-May-2021 11:39

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	71.2	15 -150		13C-PCB-170	72.2	25 -150	
13C-PCB-3	70.5	15 -150		13C-PCB-180	69.4	25 -150	
13C-PCB-4	67.2	25 -150		13C-PCB-188	71.7	25 -150	
13C-PCB-11	67.8	25 -150		13C-PCB-189	76.9	25 -150	
13C-PCB-9	67.8	25 -150		13C-PCB-194	75.7	25 -150	
13C-PCB-19	77.3	25 -150		13C-PCB-202	75.7	25 -150	
13C-PCB-28	69.4	25 -150		13C-PCB-206	70.9	25 -150	
13C-PCB-32	76.0	25 -150		13C-PCB-208	75.3	25 -150	
13C-PCB-37	68.8	25 -150		13C-PCB-209	70.1	25 -150	
13C-PCB-47	67.6	25 -150		CRS 13C-PCB-79	70.6	30 -135	
13C-PCB-52	68.3	25 -150		13C-PCB-178	74.5	30 -135	
13C-PCB-54	71.1	25 -150					
13C-PCB-70	68.1	25 -150					
13C-PCB-77	66.5	25 -150					
13C-PCB-80	68.8	25 -150					
13C-PCB-81	68.2	25 -150					
13C-PCB-95	68.9	25 -150					
13C-PCB-97	66.8	25 -150					
13C-PCB-101	68.0	25 -150					
13C-PCB-104	69.0	25 -150					
13C-PCB-105	66.1	25 -150					
13C-PCB-114	66.3	25 -150					
13C-PCB-118	63.6	25 -150					
13C-PCB-123	67.3	25 -150					
13C-PCB-126	59.6	25 -150					
13C-PCB-127	65.9	25 -150					
13C-PCB-138	71.5	25 -150					
13C-PCB-141	70.4	25 -150					
13C-PCB-153	71.0	25 -150					
13C-PCB-155	70.3	25 -150					
13C-PCB-156	69.0	25 -150					
13C-PCB-157	67.7	25 -150					
13C-PCB-159	69.7	25 -150					
13C-PCB-167	70.0	25 -150					
13C-PCB-169	70.5	25 -150					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.  
See individual congeners for qualifiers.



## DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

### Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-26
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Massachusetts Department of Environmental Protection	M-CA413
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1980678
New Hampshire Environmental Accreditation Program	207720
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-016
Pennsylvania Department of Environmental Protection	017
Texas Commission on Environmental Quality	T104704189-21-12
Vermont Department of Health	VT-4042
Virginia Department of General Services	10769
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

*Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.*

## NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p- Dioxins & Polychlorinated Dibenzofurans	EPA 23
Polychlorinated Dibenzodioxins in Ambient Air by GC/HRMS	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613/1613B
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537.1
Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry	EPA 533
Perfluorooctanesulfonate (PFOS) and Perfluorooctanoate (PFOA) - Method for Unfiltered Samples Using Solid Phase Extraction and Liquid Chromatography/Mass Spectrometry	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

**ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY**

2105047 4.6°C

**POC:** Delaney Peterson (360-715-2707)  
1605 Cornwall Avenue, Bellingham, WA 98225

**Project:** GascoSiltronic: US Moorings  
**Client:** NW Natural

**COC ID:** VISTA-20210504-142706  
**Sample Custodian:** HS  
**Lab:** VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	USMPDI-028SG-210504	N	SE	05/04/2021	0:00	1	<input type="checkbox"/>				
								Dioxin/Furans	E1613B	30	4°C
								PCB Congeners	E1668A	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
002	USMPDI-030SG-210504	N	SE	05/04/2021	0:00	1	<input type="checkbox"/>				
								Dioxin/Furans	E1613B	30	4°C
								PCB Congeners	E1668A	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
003	USMPDI-031SG-210504	N	SE	05/04/2021	0:00	1	<input type="checkbox"/>				
								Dioxin/Furans	E1613B	30	4°C
								PCB Congeners	E1668A	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
004	USMPDI-035SG-210504	N	SE	05/04/2021	0:00	1	<input type="checkbox"/>				
								Dioxin/Furans	E1613B	30	4°C
								PCB Congeners	E1668A	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C

Comment:					
Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name	Print Name	Print Name	Print Name	Print Name
Company	Company	Company	Company	Company	Company
Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>				
<i>Josha Norwood</i>	<i>Justin Briseno</i>				
<i>Anchor OEA</i>	<i>VAL</i>				
<i>5/5/21 0930</i>	<i>05/04/21 0948</i>				

\* Lab QC Requested for sample when box is checked \*\* TAT = Turn Around Time in DAYS # POC = Project Point of Contact

# Sample Log-In Checklist

 Page # 1 of 1

 Vista Work Order #: 2105047

 TAT STD

Samples Arrival:	Date/Time <u>05/06/21 09:48</u>		Initials: <u>(Signature)</u>		Location: <u>WR-2</u>		
					Shelf/Rack: <u>N/A</u>		
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac	<input type="checkbox"/> GLS	<input type="checkbox"/> DHL	<input type="checkbox"/> Hand Delivered	<input type="checkbox"/> Other
Preservation:	<input checked="" type="checkbox"/> Ice		<input type="checkbox"/> Blue Ice		<input type="checkbox"/> Techni Ice	<input type="checkbox"/> Dry Ice	<input type="checkbox"/> None
Temp °C: <u>4.6</u> (uncorrected)	Probe used: <input checked="" type="checkbox"/> Y / N			Thermometer ID: <u>DT-3</u>			
Temp °C: <u>4.6</u> (corrected)							

	YES	NO	NA			
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Airbill <u>—</u> Trk # <u>7736 4258 3258</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Shipping Container	<input type="checkbox"/> Vista	<input checked="" type="checkbox"/> Client	<input type="checkbox"/> Retain	<input checked="" type="checkbox"/> Return	<input type="checkbox"/> Dispose	
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Chain of Custody / Sample Documentation Complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Logged In:	Date/Time <u>05/06/21 13:36</u>		Initials: <u>(Signature)</u>		Location: <u>WR-2</u>	
					Shelf/Rack: <u>D-5</u>	
COC Anomaly/Sample Acceptance Form completed?				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Comments:

# CoC/Label Reconciliation Report WO# 2105047

LabNumber	CoC Sample ID	<input type="checkbox"/>	SampleAlias	Sample Date/Time	<input type="checkbox"/>	Container	BaseMatrix	Sample Comments
2105047-01	A USMPDI-028SG-210504	<input checked="" type="checkbox"/>	001	04-May-21 00:00	<input type="checkbox"/>	Amber Glass, 120 mL	Solid	
2105047-02	A USMPDI-030SG-210504	<input checked="" type="checkbox"/>	002	04-May-21 00:00	<input type="checkbox"/>	Amber Glass, 120 mL	Solid	
2105047-03	A USMPDI-031SG-210504	<input checked="" type="checkbox"/>	003	04-May-21 00:00	<input type="checkbox"/>	Amber Glass, 120 mL	Solid	
2105047-04	A USMPDI-035SG-210504	<input checked="" type="checkbox"/>	004	04-May-21 00:00	<input type="checkbox"/>	Amber Glass, 120 mL	Solid	

Checkmarks indicate that information on the COC reconciled with the sample label.  
Any discrepancies are noted in the following columns.

	Yes	No	NA
Sample Container Intact?	<input checked="" type="checkbox"/>		
Sample Custody Seals Intact?		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Adequate Sample Volume?	<input checked="" type="checkbox"/>		
Container Type Appropriate for Analysis(es)	<input checked="" type="checkbox"/>		

Comments:

(A) No collection time listed on CoC or on Sample labels. Reconciled by sample ID.

Preservation Documented: Na2S2O3    Trizma    NH4CH3CO2    None    Other

Verified by/Date:

(Signature) 05/06/21

## **EXTRACTION INFORMATION**



Process Sheet  
 Workorder: **2105047**

Prep Expiration: 2022-05-04  
 Client: Anchor QEA, LLC

Workorder Due: 05-Jun-21 00:00  
 TAT: 30

Method: **1613 Full List**  
 Matrix: **Solid**  
 Client Matrix: Sediment  
 Also run: **Percent Solids**

Prep Batch: B/E0199

Prep Data Entered: 05/27/21 RR  
Date and Initials

Initial Sequence: SIE0065R

LabSampleID	A/B	Prep Rec	Spike Rec	ClientSampleID	Date Received	Location	Comments
2105047-01	A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	USMPDI-028SG-210504	06-May-21 09:48	WR-2 D-5	
2105047-02		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	USMPDI-030SG-210504	06-May-21 09:48	WR-2 D-5	
2105047-03		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	USMPDI-031SG-210504	06-May-21 09:48	WR-2 D-5	
2105047-04		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	USMPDI-035SG-210504	06-May-21 09:48	WR-2 D-5	

WO Comments: **1613: 10g dw**  
**1668A: 5g dw**

Pre-Prep Check Out: CHT 05/10/21  
 Pre-Prep Check In: CHT 05/10/21

Prep Check Out: RR 05/24/21  
 Prep Check In: RR 05/24/21

Prep Reconciled Initials/Date: CHT 05/10/21  
 Spike Reconciled Initials/Date: RR 05/24/21  
 VialBoxID: Red Velvet

PREPARATION BENCH SHEET

Matrix: Solid

B1E0199

Chemist: RR

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 24-May-21 08:09

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	Column Packer:	CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
D7	B1E0199-BLK1	NA	(10.00)	RR ME 05/24/21		OF RR 05/25/21	N/A	OF 05/26/21	OF 05/26/21	OF 05/26/21	RR ME 05/27/21
D8	B1E0199-BSI	↓	(10.00)								
D9	B1E0199-DUP1 2105023-13	16.36	16.57					yellow blue			
D10	2105023-01	16.02	16.10								
D11	2105023-02	16.45	16.54								
D12	2105023-03	16.85	16.87					↓			
D13	2105023-04	16.37	16.49					yellow			
D14	2105023-05	17.85	17.89								
D15	2105023-06	18.46	18.47								
D16	2105023-07	15.83	15.88								
D17	2105023-08	17.80	17.85								
D18	2105023-09	19.89	20.17								
B1	2105023-10	19.12	19.36								
B2	2105023-11	18.03	18.25								
B3	2105023-12	18.12	18.19							RR 05/27/21	

IS: <u>21C0101</u> <sup>V8</sup> NS: <u>20F0107</u> <sup>V4</sup> PS/CRS: <u>20H2501</u> <sup>V1</sup> RS: <u>20H2502</u> <sup>V3</sup> Diox/F PCB PAH PEST PBDE HCB	Cycle Time Start Date/Time <u>05/24/21</u> 1420 Stop Date/Time <u>05/25/21</u> 0740	APP: SEFUN <sup>SOX</sup> SDS SOLV: <u>Toluene</u> Other: <u>NA</u> Final Volume(s) <u>C14</u> <u>20mL</u>	Check Out: <u>RR 05/24/21</u> Check In: <u>RR 05/24/21</u> Balance ID: <u>HRMS-08</u>	Soxhlet Siphoned Chemist/Date: <u>RR 05/24/21</u> Vial Transfer Chemist/Date: <u>RR 05/27/21</u>	Notes:
--	---	--	---	---	--------

Comments:

- 1 = Sample approached dryness on rotovap
- 2 = Sample bumped on rotovap; lost < 5%
- 3 = Sample poured through Na2SO4 to remove water
- 4 = Precipitate present at Final Volume
- 5 = Sample homogenized in secondary container
- 6 = Sample clogged during extraction; pipetted and used Nitrogen to assist
- 7 = Soxhlet approached dryness

PREPARATION BENCH SHEET

Matrix: Solid

B1E0199

Chemist: RR

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 24-May-21 08:09

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
					Column Packer:	N/A		OF 05/26/21	RR 05/27/21	
B5	2105023-13	16.36	16.50	RR ME 05/24/21	OF RR 05/25/21	N/A	yellow blue OF 05/26/21	OF 05/26/21	RR 05/27/21	RR ME 05/27/21
B7	2105023-14	15.01	15.03	↓	↓	↓	↓	↓	↓	↓
B8	2105047-01	21.23	21.37	↓	↓	↓	↓	↓	↓	↓
B9	2105047-02	17.95	18.07	↓	↓	↓	brown ↓	↓	↓	↓
B10	2105047-03	24.37	24.65	↓	↓	↓	↓	↓	↓	↓
B11	2105047-04	20.56	20.65	↓	↓	↓	↓	↓	↓	↓

IS: 21C0101 <sup>v8</sup> 10ML	Cycle Time	APP: SEFUN SOX SDS	Check Out: Chemist/Date: RR 05/24/21	Soxhlet Siphoned Chemist/Date: RR 05/24/21	Notes:
NS: 20F0107 <sup>v4</sup> 10ML	Start Date/Time 05/24/21 1420	SOLV: Toluene	Check In: Chemist/Date: RR 05/24/21	Vial Transfer Chemist/Date: RR 05/24/21	
PS/CRS: 20H2501 <sup>v3</sup> 10ML <sup>v1</sup>	Stop Date/Time 05/25/21 0740	Other: NA	Balance ID: HRMS-08		
RS: 20H2502 <sup>v3</sup> 10ML		Final Volume(s) 44 20ML			
Diox/F PCB PAH PEST PBDE HCB					

Comments:

- 1 = Sample approached dryness on rotovap
- 2 = Sample bumped on rotovap; lost < 5%
- 3 = Sample poured through Na2SO4 to remove water
- 4 = Precipitate present at Final Volume
- 5 = Sample homogenized in secondary container
- 6 = Sample clogged during extraction; pipetted and used Nitrogen to assist
- 7 = Soxhlet approached dryness

Batch: B1E0199

Matrix: Solid

LabNumber	WetWeight Initial (g)	% Solids (Extraction Solids)	DryWeight Initial (g)	Final (uL)	Extracted	Ext By	Spike	SpikeAmount (uL)	ClientMatrix	Analysis
2105023-01	16.1 ✓	62.43523	10.0521	20 ✓	24-May-21 08:09	RR ✓			Sediment	1613 Full List
2105023-02	16.54 ✓	60.78431	10.0537	20	24-May-21 08:09	RR			Sediment	1613 Full List
2105023-03	16.87 ✓	59.33148	10.0092	20	24-May-21 08:09	RR			Sediment	1613 Full List
2105023-04	16.49 ✓	61.08664	10.0732	20	24-May-21 08:09	RR			Sediment	1613 Full List
2105023-05	17.89 ✓	56.01553	10.0212	20	24-May-21 08:09	RR			Sediment	1613 Full List
2105023-06	18.47 ✓	54.17156	10.0055	20	24-May-21 08:09	RR			Sediment	1613 Full List
2105023-07	15.88 ✓	63.17781	10.0326	20	24-May-21 08:09	RR			Sediment	1613 Full List
2105023-08	17.85 ✓	56.17716	10.0276	20	24-May-21 08:09	RR			Sediment	1613 Full List
2105023-09	20.17 ✓	50.28653	10.1428	20	24-May-21 08:09	RR			Sediment	1613 Full List
2105023-10	19.36 ✓	52.2996	10.1252	20	24-May-21 08:09	RR			Sediment	1613 Full List
2105023-11	18.25 ✓	55.46012	10.1215	20	24-May-21 08:09	RR			Sediment	1613 Full List
2105023-12	18.19 ✓	55.17711	10.0367	20	24-May-21 08:09	RR			Sediment	1613 Full List
2105023-13	16.5 ✓	61.11111	10.0833	20	24-May-21 08:09	RR			Sediment	1613 Full List
2105023-14	15.03 ✓	66.61871	10.0128	20	24-May-21 08:09	RR			Sediment	1613 Full List
2105047-01	21.37 ✓	47.09738	10.0647	20	24-May-21 08:09	RR			Sediment	1613 Full List
2105047-02	18.07 ✓	55.7047	10.0658	20	24-May-21 08:09	RR			Sediment	1613 Full List
2105047-03	24.65 ✓	41.03896	10.1161	20	24-May-21 08:09	RR			Sediment	1613 Full List
2105047-04	20.65 ✓	48.63523	10.0432	20	24-May-21 08:09	RR			Sediment	1613 Full List
B1E0199-BLK1	10			20	24-May-21 08:09	RR				QC
B1E0199-BS1	10			20	24-May-21 08:09	RR	20F0107 ✓	10 ✓		QC
B1E0199-DUP1	16.57 ✓			20 ✓	24-May-21 08:09	RR ✓				QC

All bolded data on report verified against written benchsheet by (initial/date) RR / 05/27/21

Printed: 5/27/2021 12:38:33PM  
Page 1 of 1





Process Sheet  
**Workorder: 2105047**

Prep Expiration: 2022-05-04  
 Client: Anchor QEA, LLC

**Workorder Due: 05-Jun-21 00:00**

TAT: 30

Method: **1668A Full List**  
 Matrix: **Solid**  
 Client Matrix: **Sediment**  
 Also run: **Percent Solids**

Prep Batch: B1E0116

Prep Data Entered: AS 05/15/21  
Date and Initials

Initial Sequence: S1E0039

LabSampleID	A/B	Prep Rec	Spike Rec	ClientSampleID	Date Received	Location	Comments
2105047-01	A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	USMPDI-028SG-210504	06-May-21 09:48	WR-2 D-5	
2105047-02		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	USMPDI-030SG-210504	06-May-21 09:48	WR-2 D-5	
2105047-03		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	USMPDI-031SG-210504	06-May-21 09:48	WR-2 D-5	
2105047-04		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	USMPDI-035SG-210504	06-May-21 09:48	WR-2 D-5	

**WO Comments: 1613: 10g dw**  
**1668A: 5g dw**

Pre-Prep Check Out: AS NA  
 Pre-Prep Check In: NA

Prep Check Out: AS 05/13/21  
 Prep Check In: AS 05/13/21

Prep Reconciled Initials/Date: AS 05/13/21  
 Spike Reconciled Initials/Date: OF 05/13/21  
 VialBoxID: Five Red 5

PREPARATION BENCH SHEET

Matrix: Solid

B1E0116

Chemist: *[Signature]*

Method: 1668A Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 13-May-21 11:39

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
A7	B1E0116-BLK I <i>(E) (C) (D)</i>	NA	(10.00)	<i>off</i> 05/13/21	<i>off</i> DG 05/14/21	NA	<i>off</i> 05/14/21	NA	NA	<i>off</i> AM 05/15/21
A8	B1E0116-BS1	↓	(10.00)							
A9	2105033-01 <i>(B) (F)</i>	13.79	13.78							
A10	2105033-02 <i>(A)*</i>	13.55	13.53							
A11	2105034-01	14.63	14.65							
A12	2105034-02 <i>(D)</i>	13.26	13.27							
B1	2105036-01 <i>(G)</i>	15.99	16.00							
B2	2105036-02 <i>(A) ↓</i>	19.32	19.38							
B3	2105047-01	10.62	10.63							
B7	2105047-02 <i>(D)</i>	8.98	9.02							
B8	2105047-03	12.18	12.17							
B9	2105047-04	↓	10.28	↓	↓	↓	↓	↓	↓	↓

\* *off* 05/14/21  
 (A) Sample poured through Na<sub>2</sub>SO<sub>4</sub> to remove particulate that fell into RB from Sox *off* 05/14/21  
 (B) Sample spiked CRS after rotovap *off* 05/14/21  
 (C) Sample 2x spiked CRS (20uL) *off* 05/14/21  
 (D) Sample bubbled on rotovap *off* 05/14/21

IS: 20J1204, 20uL <i>(B)</i>	Cycle Time	APP: SEFUN <i>(SOX) (SDS)</i>	Check Out: <i>off</i> 05/13/21	Soxhlet Siphoned Chemist/Date: <i>off</i> 05/13/21	Notes: (E) Red colored band on column <i>off</i> 05/14/21 (F) Brown and red colored band on column <i>off</i> (G) Particulate present at final volume 05/14/21 <i>off</i> 05/15/21
NS: 20J1205, 10uL <i>(C)</i>	Start Date/Time 05/13/21 15:40	SOLV: Toluene	Check In: <i>off</i> 05/13/21	Vial Transfer Chemist/Date: <i>off</i> 05/14/21	
PS/CRS: 20J1206, 10uL <i>(D)</i>	Stop Date/Time 05/14/21 07:43	Other: NA	Balance ID: HRMS-8		
RS: 20J1209, 10uL <i>(E)</i>	Final Volume(s) C9 100uL				

Comments:  
 1 = Sample approached dryness on rotovap  
 2 = Sample bumped on rotovap; lost < 5%  
 3 = Sample poured through Na<sub>2</sub>SO<sub>4</sub> to remove water  
 4 = Precipitate present at Final Volume

5 = Sample homogenized in secondary container  
 6 = Sample clogged during extraction; pipetted and used Nitrogen to assist  
 7 = Soxhlet approached dryness



Batch: B1E0116

Matrix: Solid

LabNumber	WetWeight Initial (g)	% Solids (Extraction Solids)	DryWeight Initial (g)	Final (uL)	Extracted	Ext By	Spike	SpikeAmount (uL)	ClientMatrix	Analysis
2105033-01	13.78	72.52	9.9933	100	13-May-21 11:39	JG			Soil	1668C Full List
2105033-02	13.53	73.82	9.9878	100	13-May-21 11:39	JG			Soil	1668C Full List
2105034-01	14.65	68.37	10.0162	100	13-May-21 11:39	JG			Sediment	1668C Full List
2105034-02	13.27	75.41	10.0069	100	13-May-21 11:39	JG			Sediment	1668C Full List
2105036-01	16	62.59	10.0144	100	13-May-21 11:39	JG			Sediment	1668C Full List
2105036-02	19.38	51.75	10.0291	100	13-May-21 11:39	JG			Sediment	1668C Full List
2105047-01	10.63	47.09738	5.0065	100	13-May-21 11:39	JG			Sediment	1668A Full List
2105047-02	9.02	55.7047	5.0246	100	13-May-21 11:39	JG			Sediment	1668A Full List
2105047-03	12.17	41.03896	4.9944	100	13-May-21 11:39	JG			Sediment	1668A Full List
2105047-04	10.3	48.63523	5.0094	100	13-May-21 11:39	JG			Sediment	1668A Full List
B1E0116-BLK1	10			100	13-May-21 11:39	JG				QC
B1E0116-BS1	10			100	13-May-21 11:39	JG	20J1205	10		QC

All bolded data on report verified against written benchsheet by (initial/date)

*JL* 5/21/21

Printed: 5/18/2021 8:44:33AM  
Page 1 of 1

SAMPLE DATA – EPA METHOD 1613

Dataset: U:\VG12.PRO\Results\210527R2\210527R2\_5.qld

Last Altered: Friday, May 28, 2021 12:02:11 Pacific Daylight Time  
Printed: Friday, May 28, 2021 12:07:33 Pacific Daylight Time

DF 05/28/21

CT 06/18/2021

Method: U:\VG12.PRO\MethDB\1613rrt-04-27-21.mdb 27 Apr 2021 17:33:38  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210527R2\_5, Date: 27-May-2021, Time: 19:44:49, ID: B1E0199-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.929	10.000	26.684		1.001				0.0161	
2	1,2,3,7,8-PeCDD			NO	0.826	10.000	31.106		1.001				0.0525	
3	1,2,3,4,7,8-HxCDD			NO	0.972	10.000	34.435		1.001				0.0570	
4	1,2,3,6,7,8-HxCDD			NO	0.877	10.000	34.571		1.001				0.0604	
5	1,2,3,7,8,9-HxCDD			NO	0.874	10.000	34.842		1.000				0.0572	
6	1,2,3,4,6,7,8-HpCDD	3.46e2	1.01	NO	0.899	10.000	38.225	38.21	1.000	1.000	0.12318		0.0377	0.123
7	OCDD	1.36e3	0.86	NO	0.852	10.000	41.262	41.28	1.000	1.001	0.78229		0.217	0.782
8	2,3,7,8-TCDF	2.61e2	0.65	YES	0.747	10.000	26.034	26.05	1.000	1.001	0.039434		0.0138	0.0367
9	1,2,3,7,8-PeCDF			NO	0.877	10.000	29.902		1.000				0.0376	
10	2,3,4,7,8-PeCDF			NO	0.962	10.000	30.916		1.001				0.0288	
11	1,2,3,4,7,8-HxCDF			NO	0.920	10.000	33.503		1.000				0.0409	
12	1,2,3,6,7,8-HxCDF			NO	0.936	10.000	33.649		1.001				0.0379	
13	2,3,4,6,7,8-HxCDF			NO	0.973	10.000	34.340		1.001				0.0436	
14	1,2,3,7,8,9-HxCDF			NO	0.940	10.000	35.398		1.000				0.0554	
15	1,2,3,4,6,7,8-HpCDF			NO	1.05	10.000	37.023		1.000				0.0431	
16	1,2,3,4,7,8,9-HpCDF			NO	1.05	10.000	38.874		1.000				0.0397	
17	OCDF	2.62e2	1.01	NO	0.771	10.000	41.587	41.59	1.000	1.000	0.12880		0.0391	0.129
18	13C-2,3,7,8-TCDD	1.26e6	0.79	NO	1.10	10.000	26.640	26.65	1.027	1.027	189.59	94.8	0.0744	
19	13C-1,2,3,7,8-PeCDD	1.03e6	0.64	NO	0.864	10.000	31.016	31.08	1.196	1.198	198.05	99.0	0.208	
20	13C-1,2,3,4,7,8-HxCDD	6.94e5	1.29	NO	0.746	10.000	34.422	34.41	1.014	1.014	162.62	81.3	0.291	
21	13C-1,2,3,6,7,8-HxCDD	7.67e5	1.29	NO	0.847	10.000	34.540	34.55	1.017	1.018	158.27	79.1	0.256	
22	13C-1,2,3,7,8,9-HxCDD	8.08e5	1.26	NO	0.868	10.000	34.839	34.83	1.026	1.026	162.62	81.3	0.250	
23	13C-1,2,3,4,6,7,8-HpCDD	6.25e5	1.07	NO	0.664	10.000	38.184	38.21	1.125	1.125	164.48	82.2	0.491	
24	13C-OCDD	8.15e5	0.89	NO	0.561	10.000	41.127	41.25	1.211	1.215	254.22	63.6	0.466	
25	13C-2,3,7,8-TCDF	1.77e6	0.78	NO	1.09	10.000	26.030	26.03	1.003	1.003	180.99	90.5	0.0984	
26	13C-1,2,3,7,8-PeCDF	1.18e6	1.57	NO	0.809	10.000	29.748	29.90	1.147	1.153	162.22	81.1	0.401	
27	13C-2,3,4,7,8-PeCDF	1.36e6	1.60	NO	0.803	10.000	30.708	30.89	1.184	1.191	189.30	94.7	0.405	
28	13C-1,2,3,4,7,8-HxCDF	9.63e5	0.51	NO	1.01	10.000	33.495	33.49	0.987	0.986	166.53	83.3	0.325	
29	13C-1,2,3,6,7,8-HxCDF	1.00e6	0.51	NO	1.07	10.000	33.624	33.63	0.990	0.990	162.79	81.4	0.306	
30	13C-2,3,4,6,7,8-HxCDF	8.78e5	0.51	NO	0.910	10.000	34.313	34.32	1.011	1.011	168.85	84.4	0.361	
31	13C-1,2,3,7,8,9-HxCDF	8.19e5	0.51	NO	0.828	10.000	35.389	35.39	1.042	1.042	172.71	86.4	0.396	

Dataset: U:\VG12.PRO\Results\210527R2\210527R2\_5.qld

Last Altered: Friday, May 28, 2021 12:02:11 Pacific Daylight Time

Printed: Friday, May 28, 2021 12:07:33 Pacific Daylight Time

Name: 210527R2\_5, Date: 27-May-2021, Time: 19:44:49, ID: B1E0199-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	6.22e5	0.43	NO	0.661	10.000	36.995	37.00	1.090	1.090	164.50	82.3	0.462	
33	13C-1,2,3,4,7,8,9-HpCDF	5.61e5	0.43	NO	0.566	10.000	38.754	38.86	1.141	1.145	173.41	86.7	0.539	
34	13C-OCDF	1.05e6	0.88	NO	0.663	10.000	41.514	41.58	1.223	1.225	277.96	69.5	0.367	
35	37Cl-2,3,7,8-TCDD	9.67e5			2.07	10.000	26.840	26.67	1.035	1.028	77.710	97.1	0.0145	
36	13C-1,2,3,4-TCDD	1.20e6	0.79	NO	1.00	10.000	26.070	25.94	1.000	1.000	200.00	100	0.0821	
37	13C-1,2,3,4-TCDF	1.79e6	0.79	NO	1.00	10.000	24.760	24.61	1.000	1.000	200.00	100	0.108	
38	13C-1,2,3,4,6,9-HxCDF	1.14e6	0.52	NO	1.00	10.000	34.040	33.95	1.000	1.000	200.00	100	0.328	
39	Total Tetra-Dioxins				0.929	10.000	24.620		0.000				0.00866	
40	Total Penta-Dioxins				0.826	10.000	29.960		0.000				0.0212	
41	Total Hexa-Dioxins				0.877	10.000	33.635		0.000				0.0400	
42	Total Hepta-Dioxins				0.899	10.000	37.640		0.000		0.12318		0.0377	0.123
43	Total Tetra-Furans				0.747	10.000	23.610		0.000		0.00000		0.00735	0.0788
44	1st Func. Penta-Furans				0.877	10.000	27.620		0.000				0.00777	
45	Total Penta-Furans				0.877	10.000	29.275		0.000				0.0131	
46	Total Hexa-Furans				0.973	10.000	33.555		0.000				0.0219	
47	Total Hepta-Furans				1.05	10.000	37.835		0.000				0.0196	

Dataset: U:\VG12.PRO\Results\210527R2\210527R2\_5.qld

Last Altered: Friday, May 28, 2021 12:02:11 Pacific Daylight Time  
 Printed: Friday, May 28, 2021 12:07:33 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-27-21.mdb 27 Apr 2021 17:33:38  
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Name: 210527R2\_5, Date: 27-May-2021, Time: 19:44:49, ID: B1E0199-BLK1 Method Blank 10, Description: Method Blank

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1											

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1											

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1											

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1,2,3,4,6,7,8-HpCDD	36.21	3.260e3	2.289e3	1.734e2	1.725e2	1.01	NO	3.459e2	0.12318	0.12318	0.0377

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Furans	25.11	2.451e3	2.674e3	1.434e2	1.613e2	0.89	YES	0.000e0	0.00000	0.043110	0.0138
2,3,7,8-TCDF	26.05	1.601e3	3.234e3	1.029e2	1.583e2	0.65	YES	2.612e2	0.00000	0.035696	0.0138

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1											

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\210527R2\210527R2\_5.qld

Last Altered: Friday, May 28, 2021 12:02:11 Pacific Daylight Time

Printed: Friday, May 28, 2021 12:07:33 Pacific Daylight Time

Name: 210527R2\_5, Date: 27-May-2021, Time: 19:44:49, ID: B1E0199-BLK1 Method Blank 10, Description: Method Blank

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1											

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1											

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1											

Dataset: Untitled

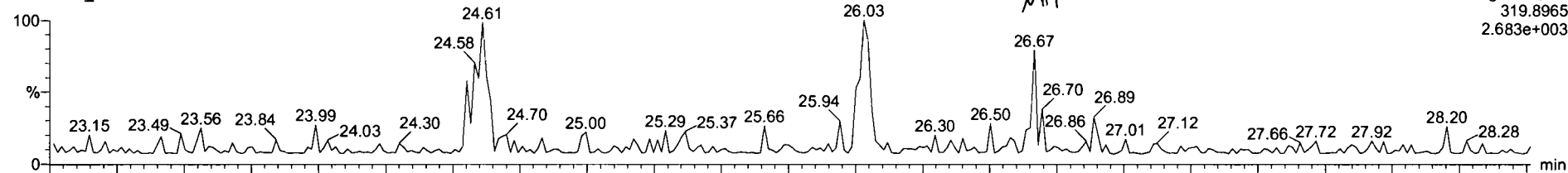
Last Altered: Friday, May 28, 2021 10:05:46 Pacific Daylight Time

Printed: Friday, May 28, 2021 10:07:48 Pacific Daylight Time

Name: 210527R2\_5, Date: 27-May-2021, Time: 19:44:49, ID: B1E0199-BLK1 Method Blank 10, Description: Method Blank

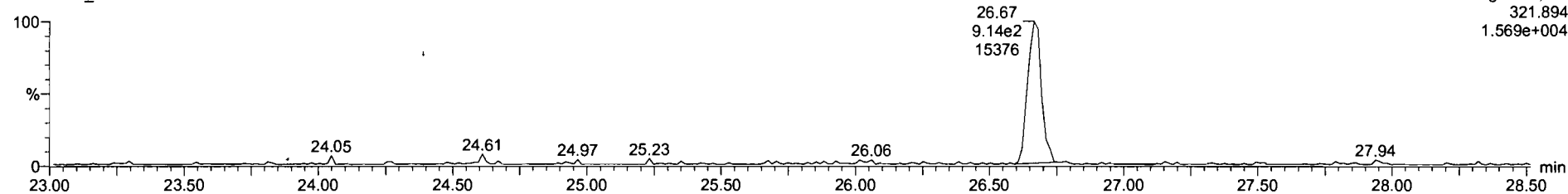
2,3,7,8-TCDD

210527R2\_5



F1:Voltage SIR,EI+  
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2.683e+003

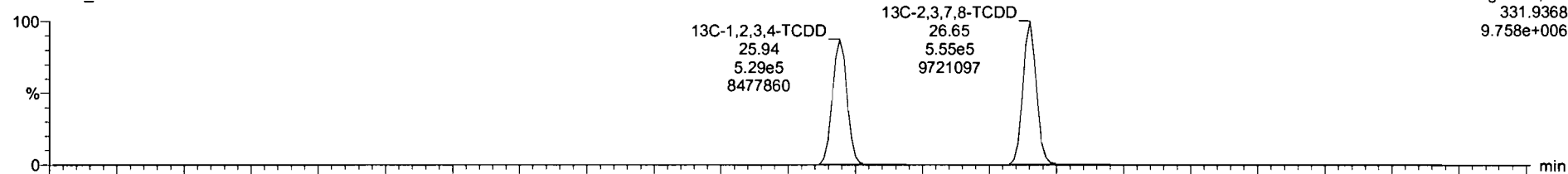
210527R2\_5



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321.894  
1.569e+004

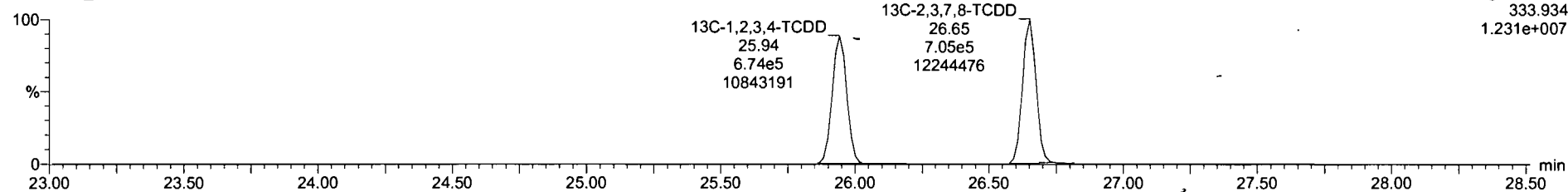
13C-2,3,7,8-TCDD

210527R2\_5



F1:Voltage SIR,EI+  
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9.758e+006

210527R2\_5



F1:Voltage SIR,EI+  
333.934  
1.231e+007

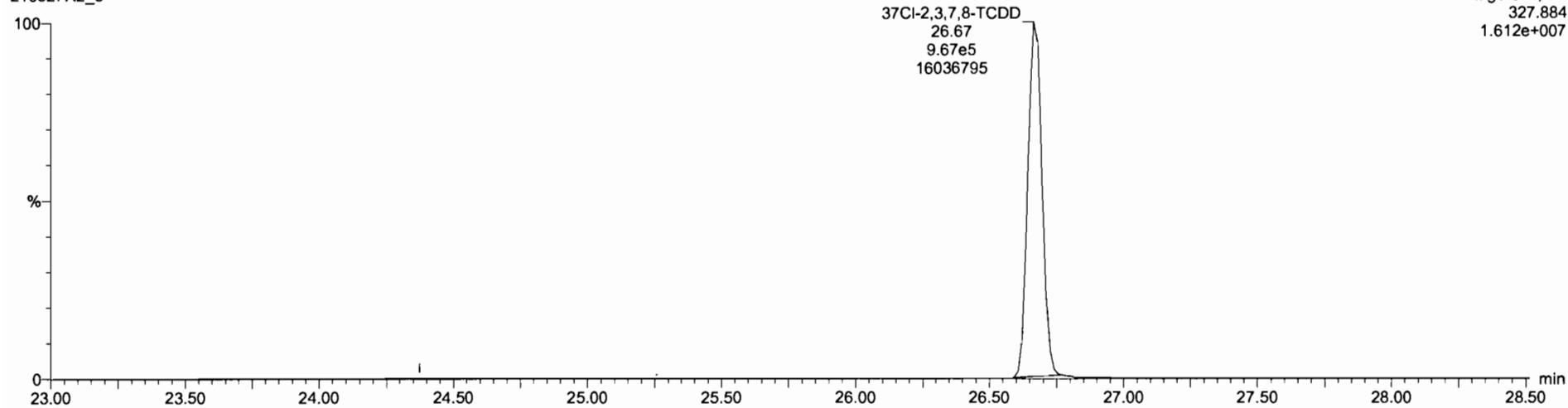
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Name: 210527R2\_5, Date: 27-May-2021, Time: 19:44:49, ID: B1E0199-BLK1 Method Blank 10, Description: Method Blank

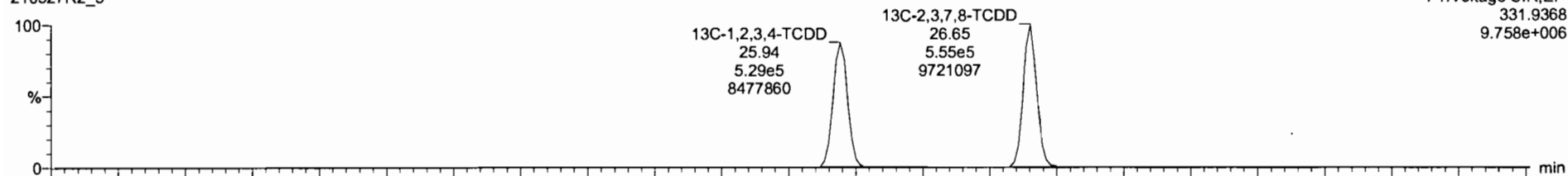
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210527R2\_5

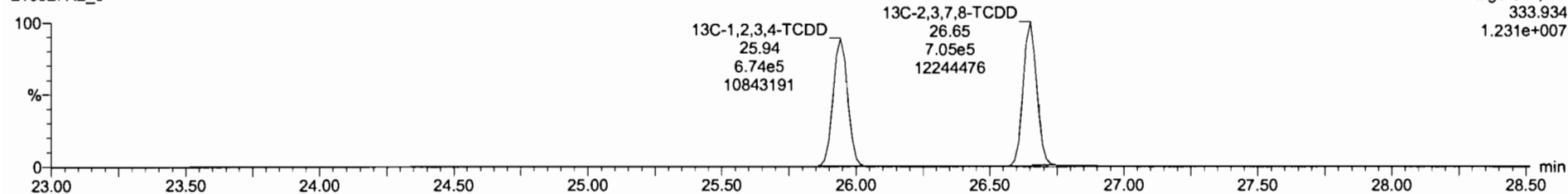


**13C-1,2,3,4-TCDD**

210527R2\_5



210527R2\_5





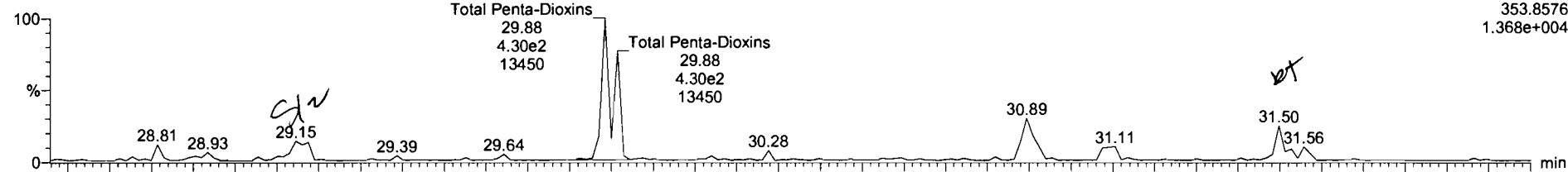
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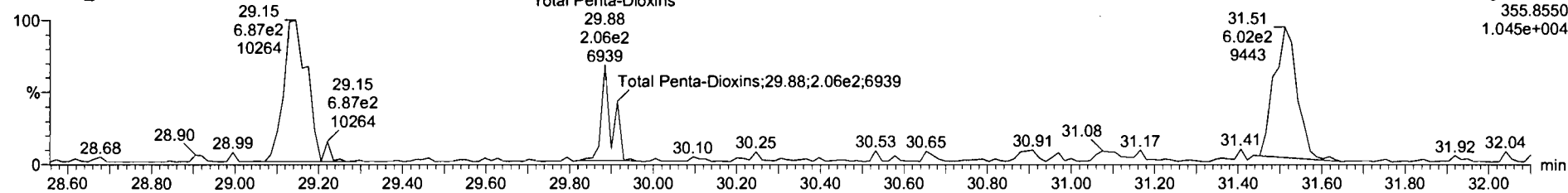
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1,2,3,7,8-PeCDD

210527R2\_5

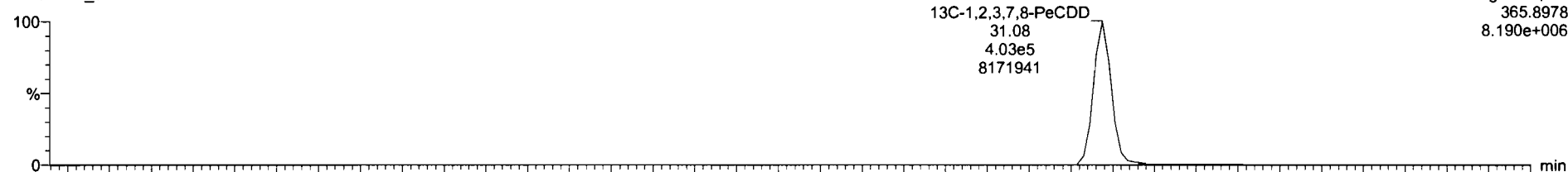


210527R2\_5

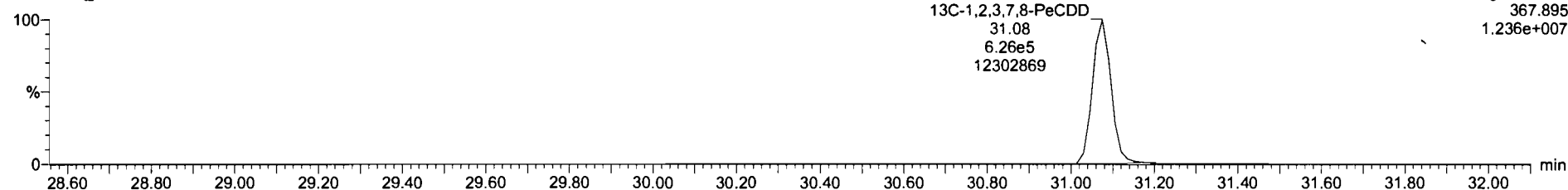


13C-1,2,3,7,8-PeCDD

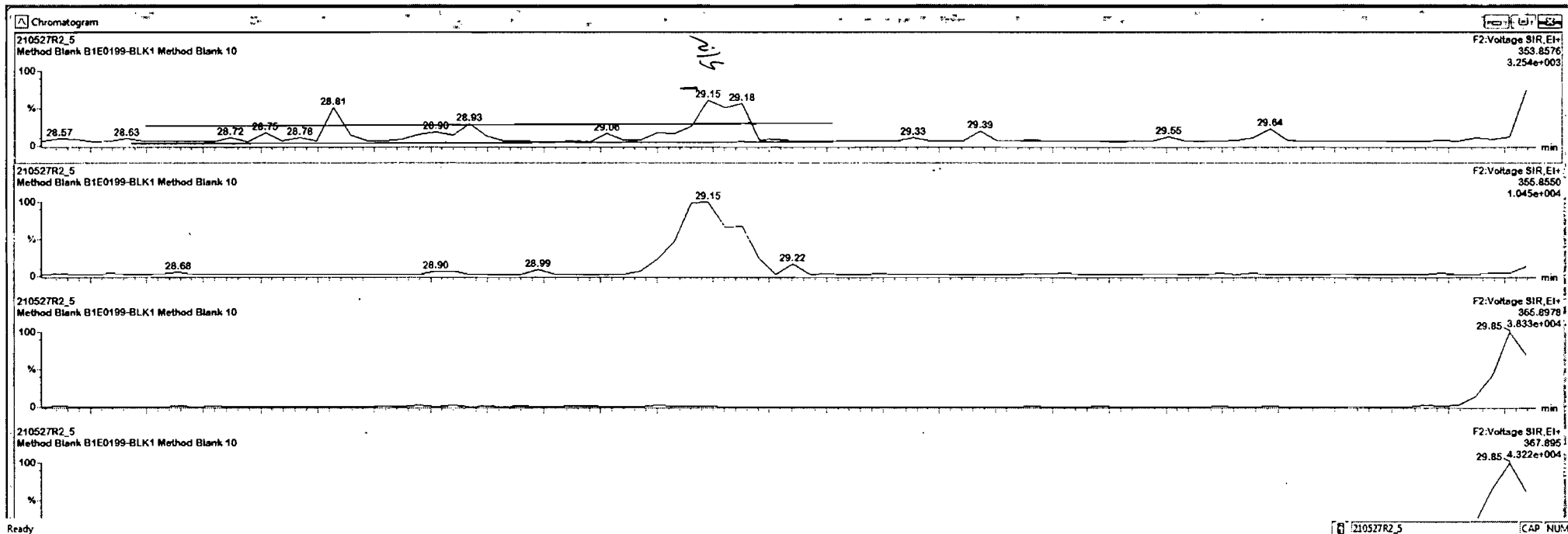
210527R2\_5



210527R2\_5



Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
35 37Cl2,3,7,8-TCDD	9.67e5			2.9678	10.000	28.67	1.028	77.7	97.1	0.0145	
36 12C-1,2,3,4-TCDD	1.20e6	0.79	NO	1.0000	10.000	28.94	1.000	200	100	0.0821	
37 12C-1,2,3,4-TCDF	1.79e6	0.79	NO	1.0000	10.000	24.61	1.000	200	100	0.108	
38 12C-1,2,3,4,6,9-HxCDF	1.14e6	0.52	NO	1.0000	10.000	33.95	1.000	200	100	0.328	
39 Total Tetra-Dioxins				0.2291	10.000					0.00896	
40 Total Penta-Dioxins				0.8257	10.000					0.0212	
41 Total Hexa-Dioxins				0.8771	10.000					0.0400	
42 Total Hepta-Dioxins				0.6967	10.000			0.123		0.0377	0.123
43 Total Tetra-Furans				0.7458	10.000			0.000		0.00735	0.0788
44 1st Func. Penta-Furans				0.8771	10.000					0.00777	
45 Total Penta-Furans				0.8771	10.000					0.0131	
46 Total Hexa-Furans				0.9725	10.000					0.0219	
47 Total Hepta-Furans				1.0481	10.000					0.3196	
48 PF<1											
49 PF<2											



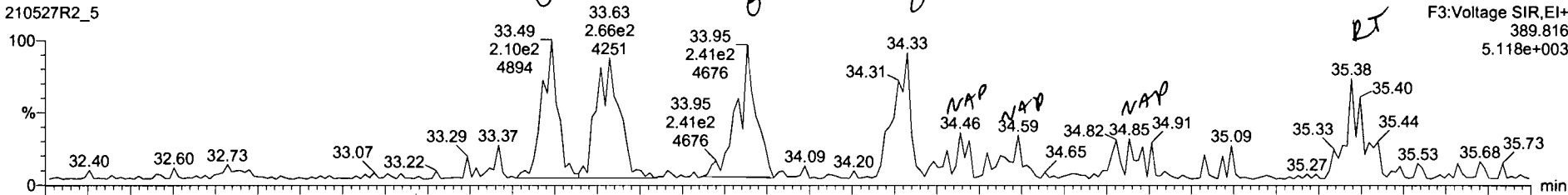
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Printed: Friday, May 28, 2021 10:07:48 Pacific Daylight Time

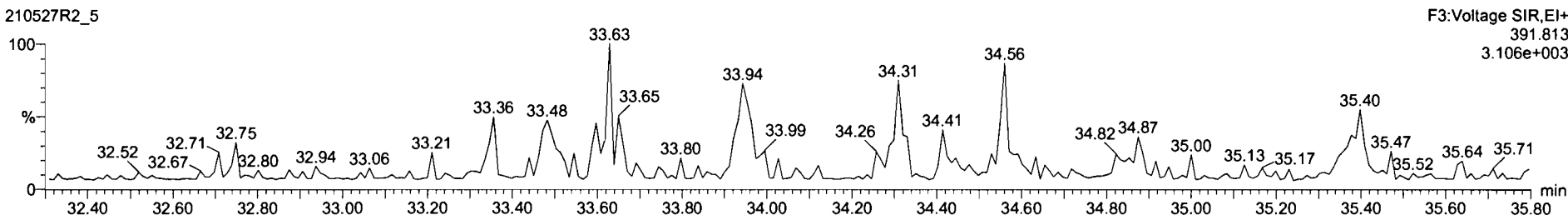
Name: 210527R2\_5, Date: 27-May-2021, Time: 19:44:49, ID: B1E0199-BLK1 Method Blank 10, Description: Method Blank

1,2,3,4,7,8-HxCDD

210527R2\_5

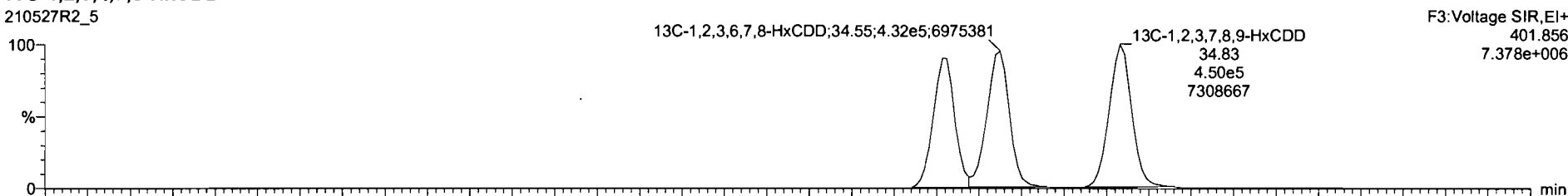


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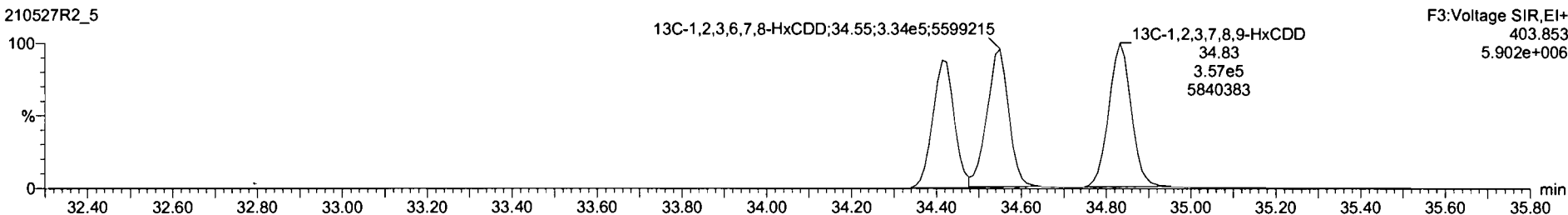


13C-1,2,3,4,7,8-HxCDD

210527R2\_5



210527R2\_5



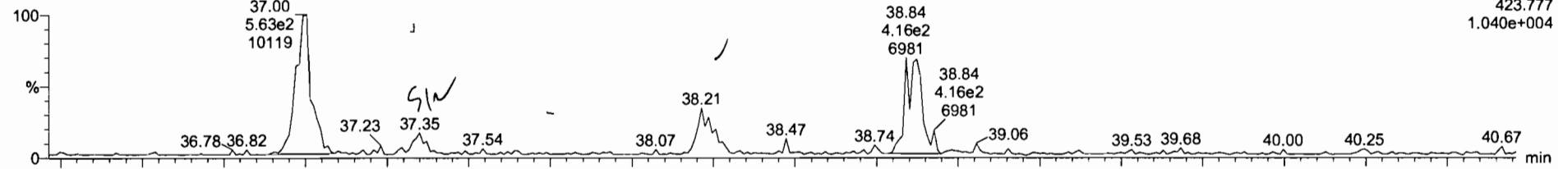
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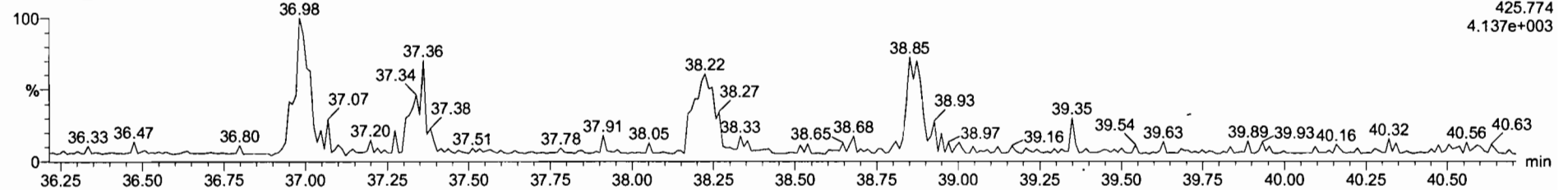
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1,2,3,4,6,7,8-HpCDD

210527R2\_5

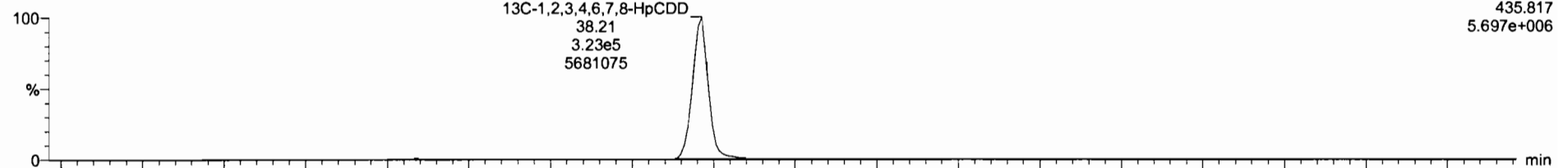


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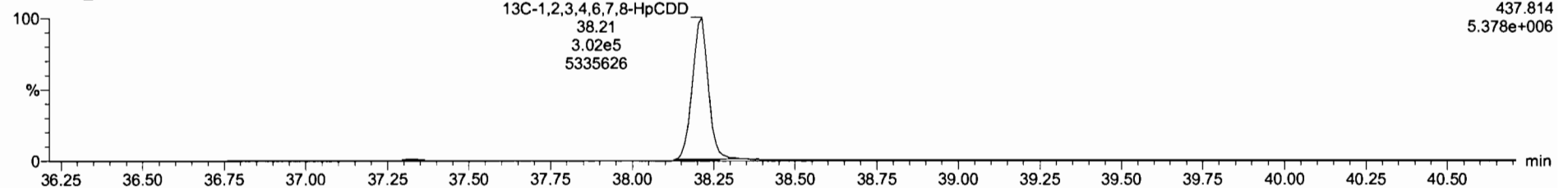


13C-1,2,3,4,6,7,8-HpCDD

210527R2\_5



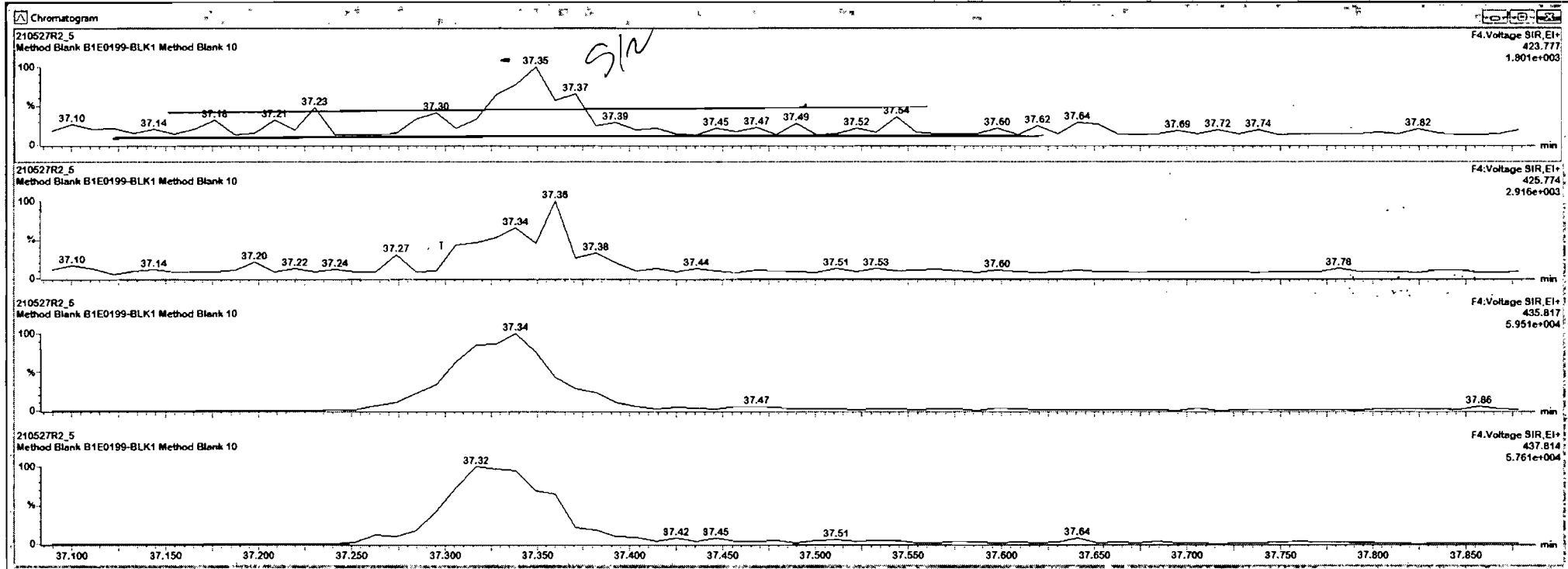
210527R2\_5





210527R2\_5 - B1E0199-BLK1 Method Blank 10 - Method Blank

Name	Reso	RA	n/y	RRF	wt/wal	RT	RRT	Conc.	%Rec	DL	EMPC
4 1,2,3,6,7,8-HxCDD			NO	0.8771	10.000					0.0604	
5 1,2,3,7,8,9-HxCDD			NO	0.8733	10.000					0.0572	
6 1,2,3,4,6,7,8-HpCDD	3.55e2	1.00	NO	0.8987	10.000	38.21	1.000	0.126		0.0623	0.126
7 OCDD	1.36e3	0.66	HO	0.6524	10.000	41.28	1.001	0.782		0.217	0.782
8 2,3,7,8-TCDF			HO	0.7466	10.000					0.0138	
9 1,2,3,7,8-PeCDF			HO	0.6771	10.000					0.0376	
10 2,3,4,7,8-PeCDF			HO	0.9621	10.000					0.0288	
11 1,2,3,4,7,8-HxCDF			HO	0.9202	10.000					0.0459	
12 1,2,3,6,7,8-HxCDF			HO	0.9362	10.000					0.0379	
13 2,3,4,6,7,8-HxCDF			HO	0.9725	10.000					0.0436	
14 1,2,3,7,8,9-HxCDF			HO	0.9396	10.000					0.0554	

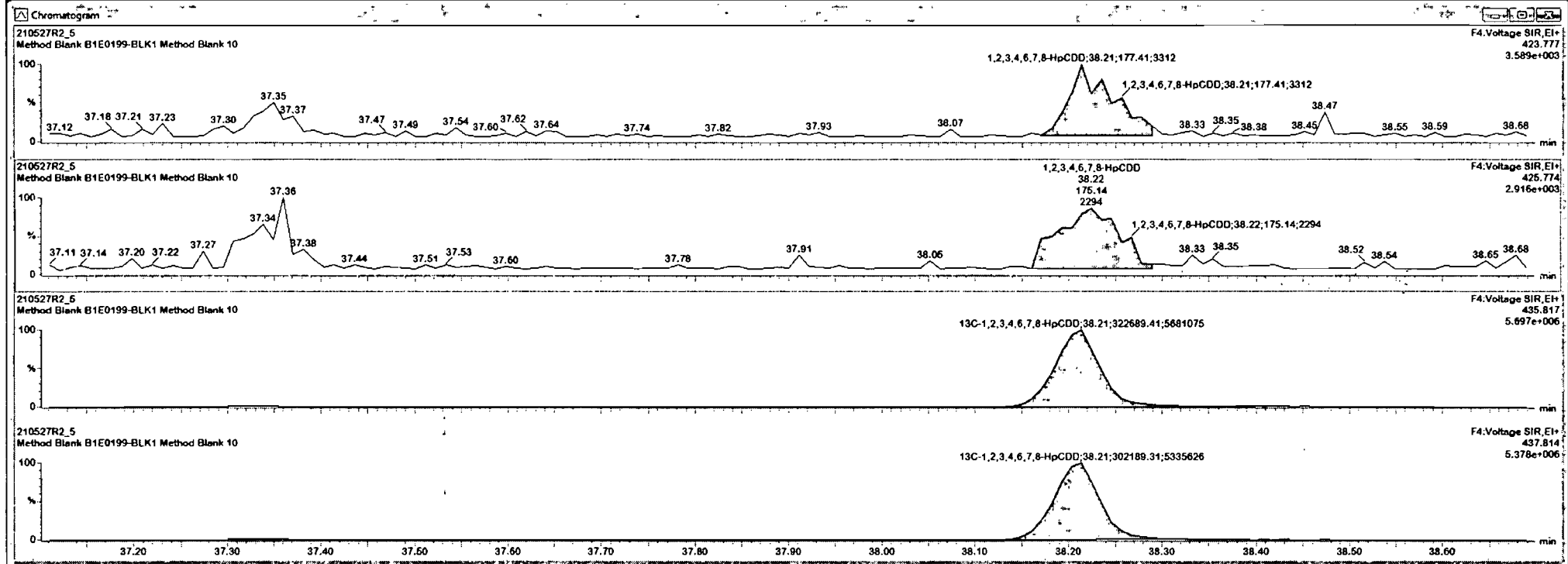


Ready

210527R2\_5

CAP NUM

Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
4 1,2,3,6,7,8-HxCDD			ND	0.6771	10.000					0.0694	
5 1,2,3,7,8,9-HxCDD			ND	0.6735	10.000					0.0572	
6 1,2,3,4,6,7,8-HpCDD	3.53e2	1.01	ND	0.6967	10.000	38.21	1.000	0.126		0.0623	0.126
7 OCDD	1.36e3	0.66	ND	0.8524	10.000	41.28	1.001	0.782		0.217	0.782
8 2,3,7,8-TCDF			ND	0.7466	10.000					0.0138	
9 1,2,3,7,8-PeCDF			ND	0.8771	10.000					0.0376	
10 2,3,4,7,8-PeCDF			ND	0.9621	10.000					0.0288	
11 1,2,3,4,7,8-HxCDF			ND	0.9202	10.000					0.0499	
12 1,2,3,6,7,8-HxCDF			ND	0.9383	10.000					0.0379	
13 2,3,4,6,7,8-HxCDF			ND	0.9725	10.000					0.0436	
14 1,2,3,7,8,9-HxCDF			ND	0.9396	10.000					0.0554	



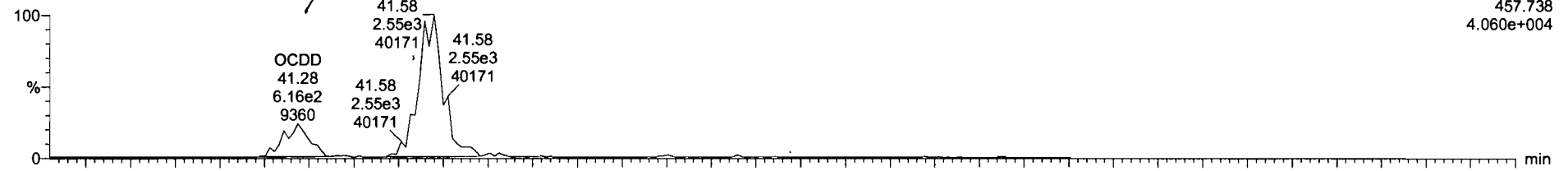
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Printed: Friday, May 28, 2021 10:07:48 Pacific Daylight Time

Name: 210527R2\_5, Date: 27-May-2021, Time: 19:44:49, ID: B1E0199-BLK1 Method Blank 10, Description: Method Blank

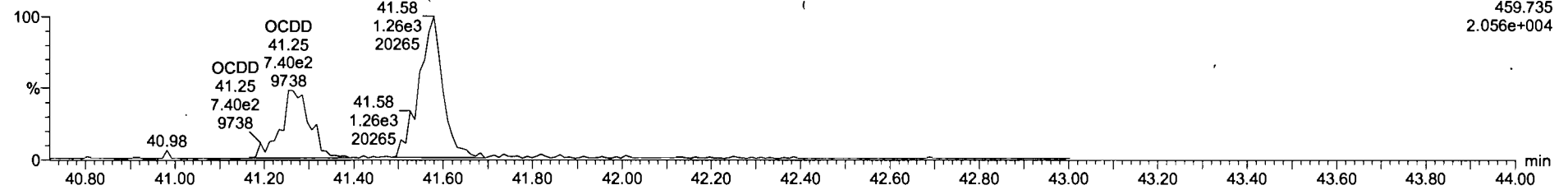
**OCDD**

210527R2\_5



F5:Voltage SIR,EI+  
457.738  
4.060e+004

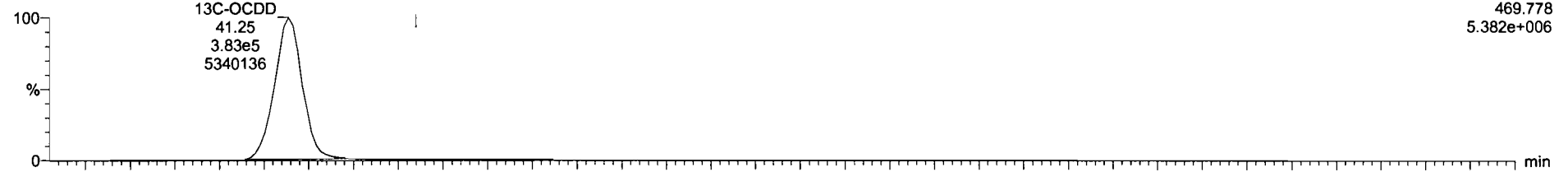
210527R2\_5



F5:Voltage SIR,EI+  
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2.056e+004

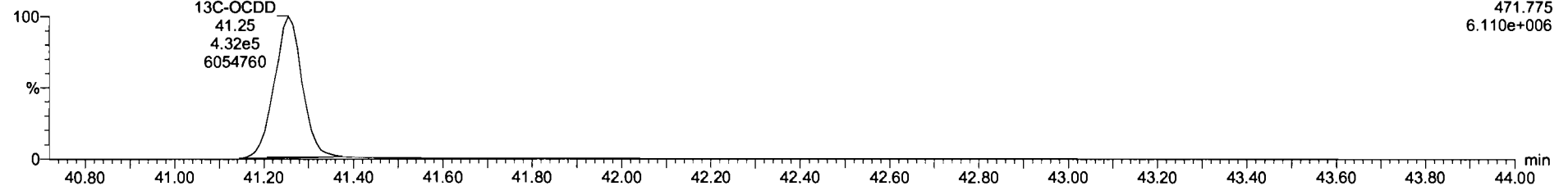
**13C-OCDD**

210527R2\_5



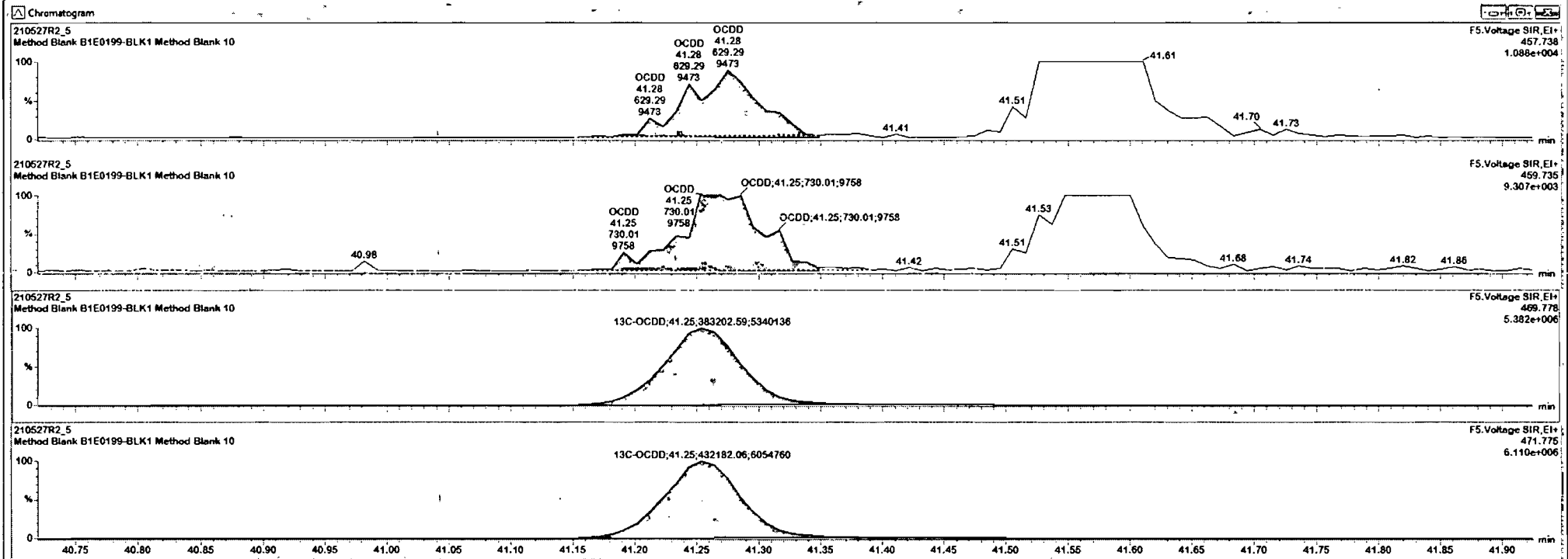
F5:Voltage SIR,EI+  
469.778  
5.382e+006

210527R2\_5



F5:Voltage SIR,EI+  
471.775  
6.110e+006

Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
12,3,6,7,8-HxCDD	NO		NO	0.8771	10.000				0.0604		
12,3,7,8-HxCDD	NO		NO	0.8739	10.000				0.0572		
12,3,4,6,7,8-HpCDD	3.53e2	1.01	NO	0.8967	10.000	38.21	1.000	0.126	0.0623	0.126	
OCDD	1.36e3	0.86	NO	0.8524	10.000	41.28	1.001	0.782	0.217	0.782	
2,3,7,8-TCDF	NO		NO	0.7468	10.000				0.0138		
1,2,3,7,8-PeCDF	NO		NO	0.8771	10.000				0.0376		
2,3,4,7,8-PeCDF	NO		NO	0.9621	10.000				0.0288		
1,2,3,4,7,8-HxCDF	NO		NO	0.9202	10.000				0.0409		
1,2,3,6,7,8-HxCDF	NO		NO	0.9362	10.000				0.0379		
2,3,4,6,7,8-HxCDF	NO		NO	0.9725	10.000				0.0436		
1,2,3,7,8-HxCDF	NO		NO	0.9356	10.000				0.0554		





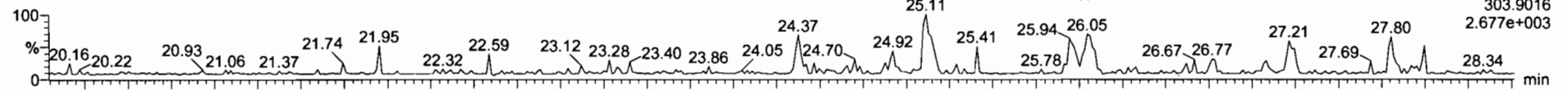
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Last Altered: Friday, May 28, 2021 10:05:46 Pacific Daylight Time  
Printed: Friday, May 28, 2021 10:07:48 Pacific Daylight Time

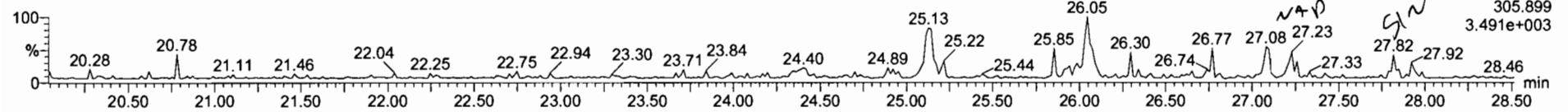
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**2,3,7,8-TCDF**

210527R2\_5

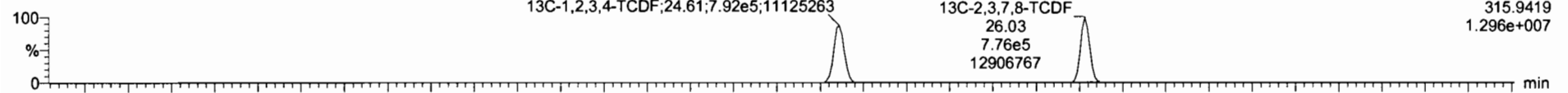


210527R2\_5

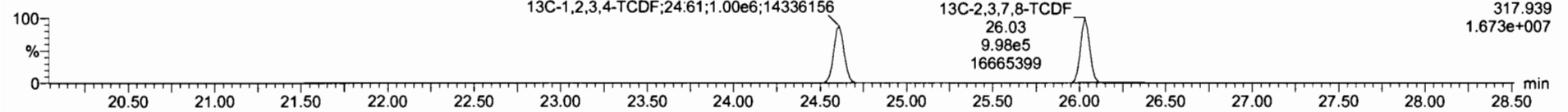


**13C-2,3,7,8-TCDF**

210527R2\_5

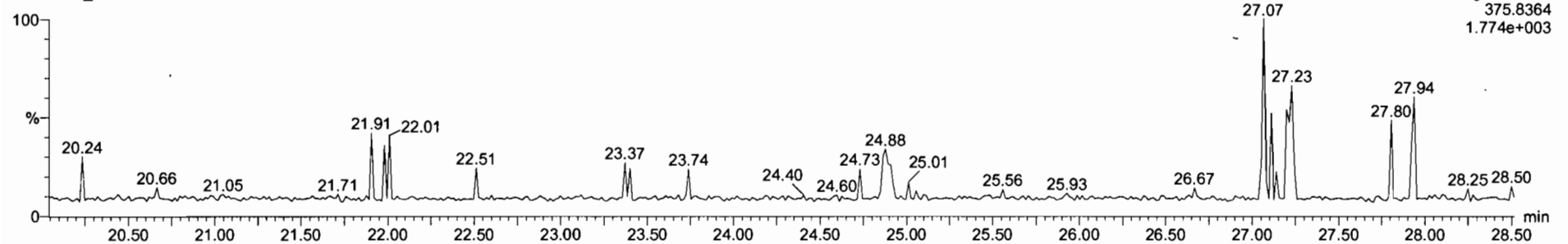


210527R2\_5

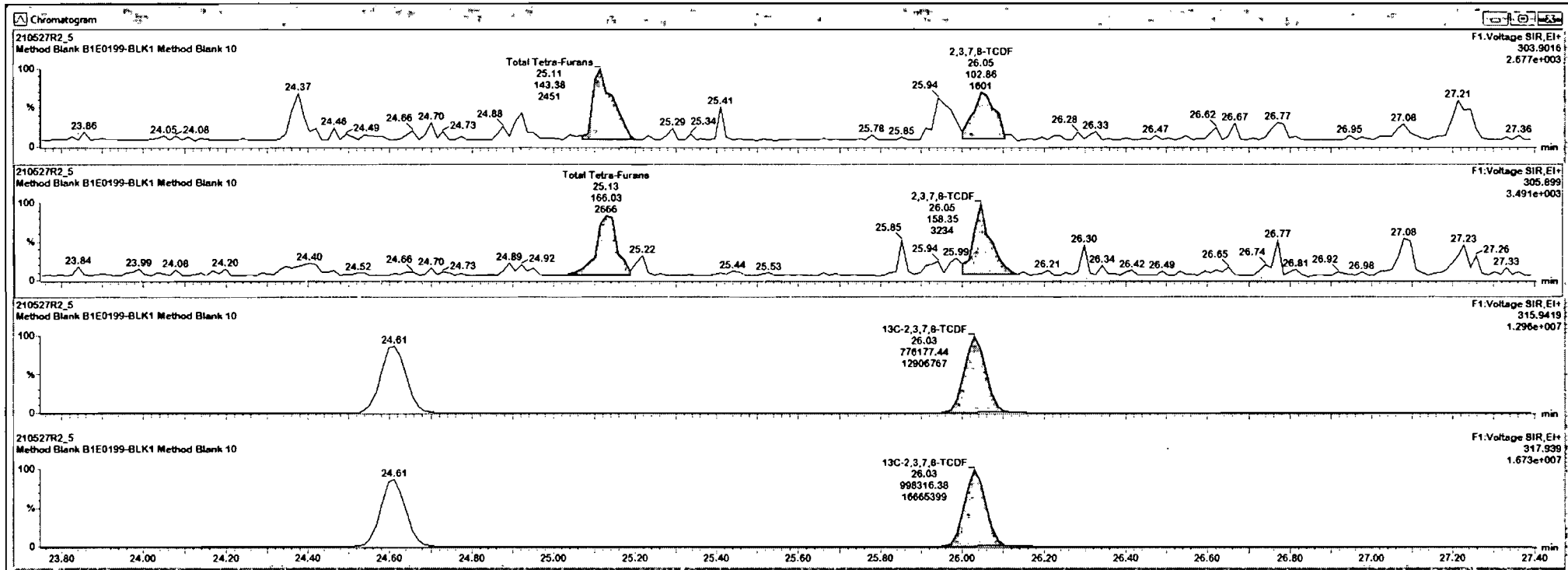


**DPE1**

210527R2\_5

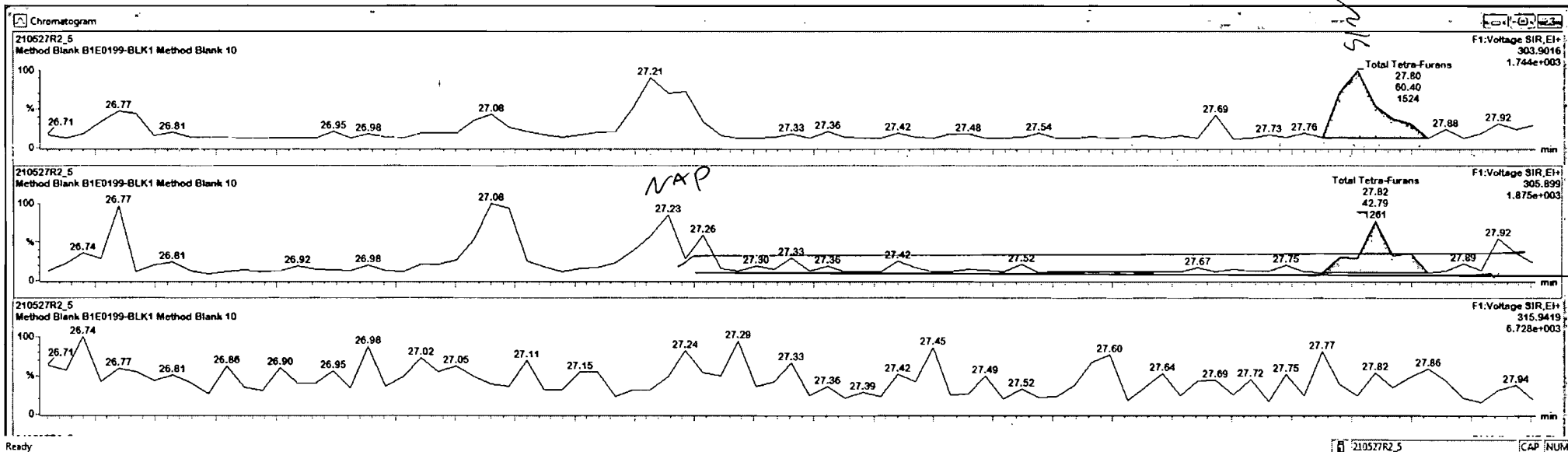


Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				0.8771	10.000					0.0400	
42 Total Hepta-Dioxins				0.9967	10.000			0.123		0.0377	0.123
43 Total Tetra-Furans				0.7466	10.000			0.0467		0.0136	0.0938
44 1st Func. Penta-Furans				0.8771	10.000					0.02777	
45 Total Penta-Furans				0.8771	10.000					0.0131	
46 Total Hexa-Furans				0.9725	10.000					0.0219	
47 Total Hepta-Furans				1.0461	10.000					0.0196	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											



Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				0.8771	10.000				0.0400		
42 Total Hepta-Dioxins				0.8967	10.000			0.123	0.0377	0.123	
43 Total Tetra-Furans				0.7466	10.000			0.000	0.00735	0.0902	
44 1st Func. Penta-Furans				0.8771	10.000				0.00777		
45 Total Penta-Furans				0.8771	10.000				0.0131		
46 Total Hexa-Furans				0.9725	10.000				0.0319		
47 Total Hepta-Furans				1.0461	10.000				0.0196		
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1 Total Tetra-Furans	25.11	1.434e2	1.613e2	0.39	YES	0.043110	0.00000
2 2,3,7,8-TCDF	26.05	1.629e2	1.583e2	0.65	YES	0.035896	0.00000
3 Total Tetra-Furans	27.80	6.040e1	4.279e1	1.41	YES	0.011433	0.00000



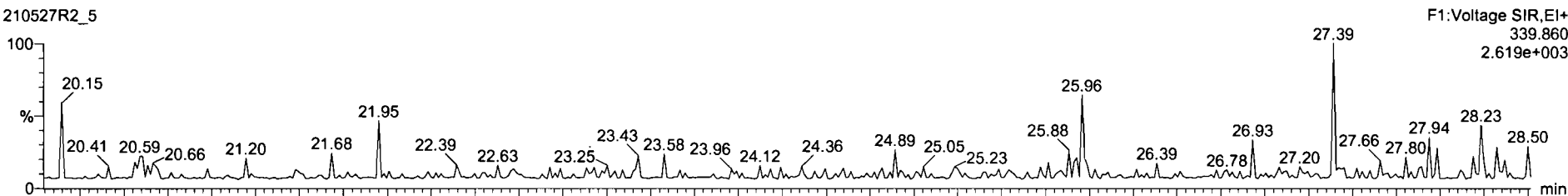
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Printed: Friday, May 28, 2021 10:07:48 Pacific Daylight Time

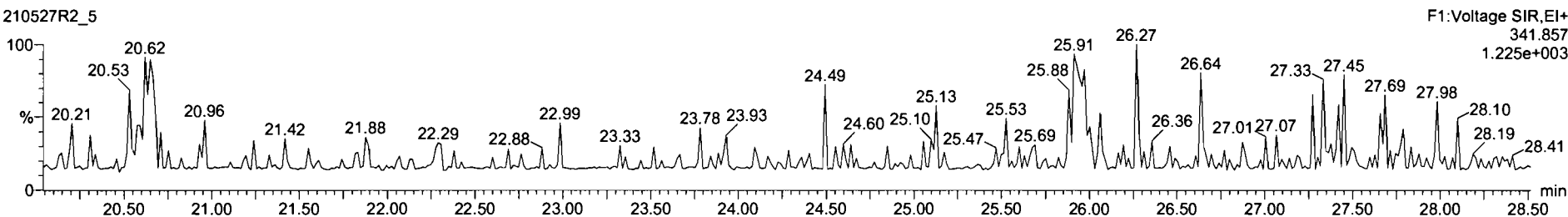
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1st Func. Penta-Furans

210527R2\_5

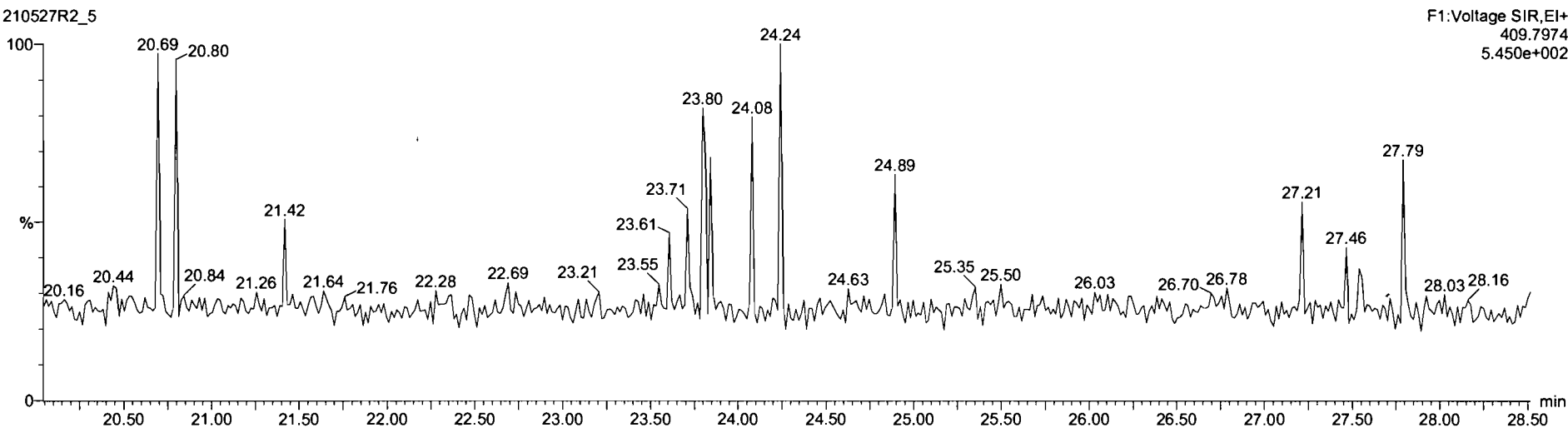


210527R2\_5



DPE6

210527R2\_5

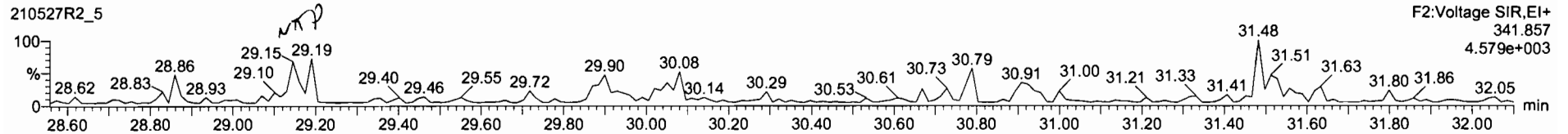
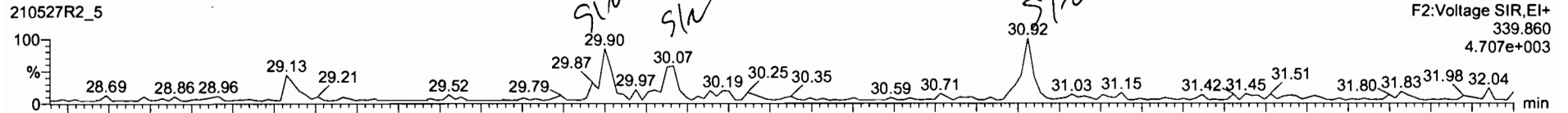


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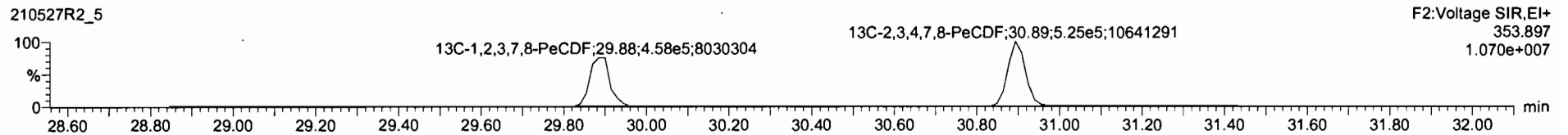
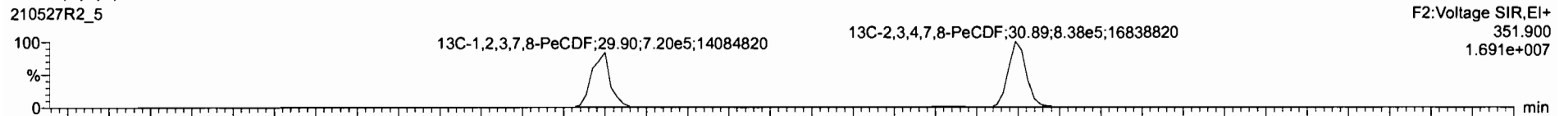
Last Altered: Friday, May 28, 2021 10:05:46 Pacific Daylight Time  
Printed: Friday, May 28, 2021 10:07:48 Pacific Daylight Time

Name: 210527R2\_5, Date: 27-May-2021, Time: 19:44:49, ID: B1E0199-BLK1 Method Blank 10, Description: Method Blank

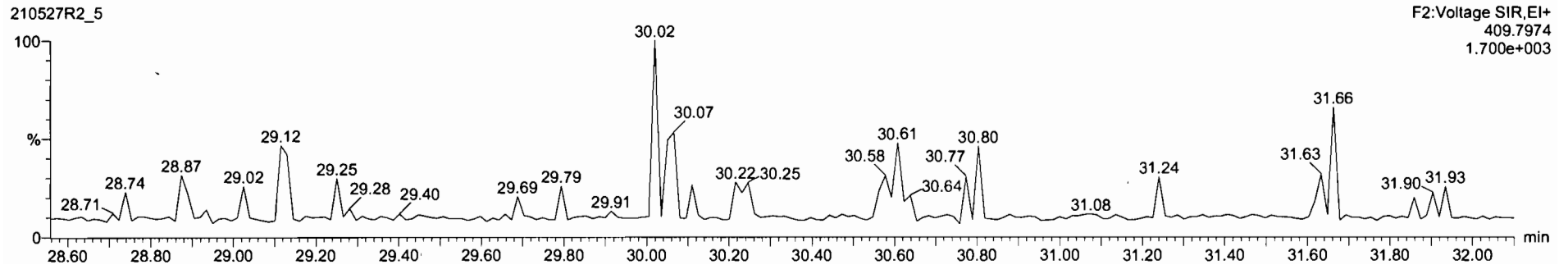
1,2,3,7,8-PeCDF



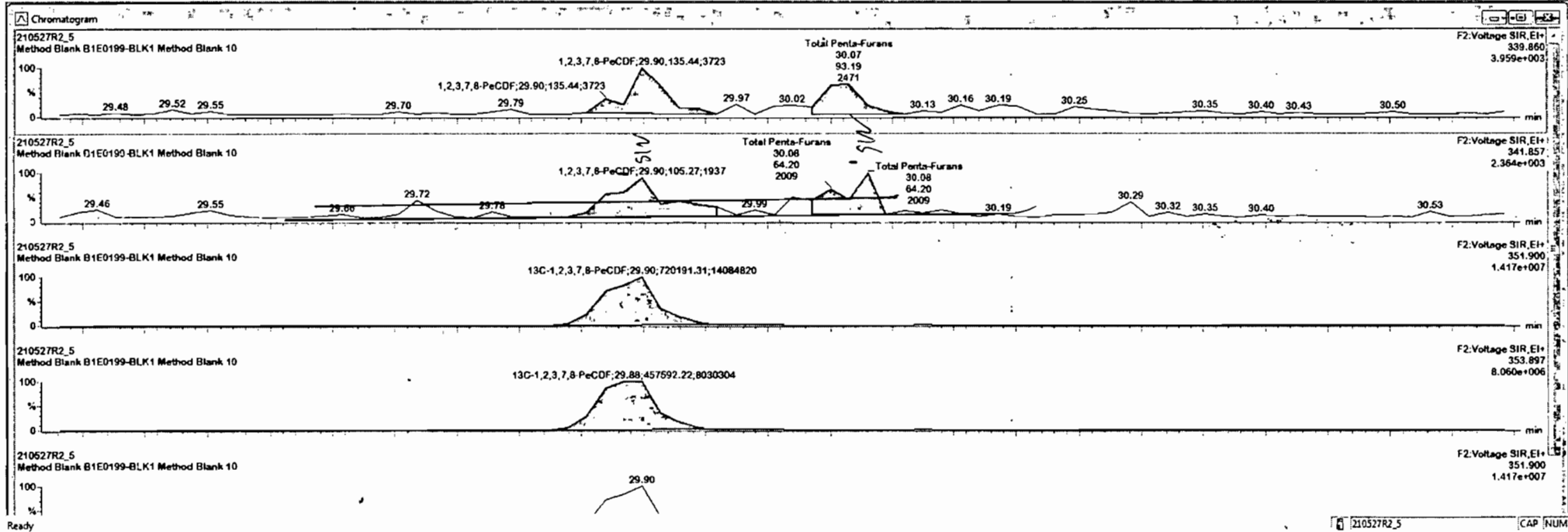
13C-1,2,3,7,8-PeCDF



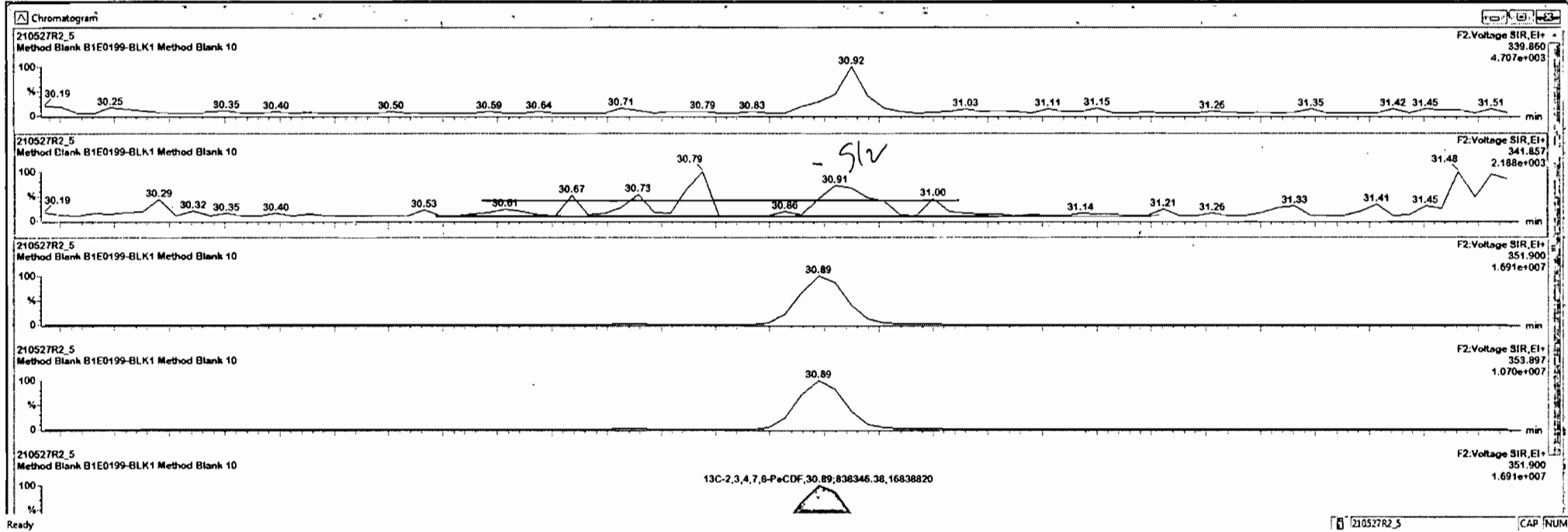
DPE2



Name	Rep	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EU/PC
41 Total Hexa-Dioxins				0.8771	10.000				0.0450		
42 Total Hepta-Dioxins				0.8987	10.000			0.123	0.0377	0.123	
43 Total Tetra-Furans				0.7466	10.000			0.000	0.00735	0.0782	
44 1st Func. Penta-Furans				0.8771	10.000				0.00777		
45 Total Penta-Furans				0.8771	10.000			0.0282	0.0121	0.0714	
46 Total Hexa-Furans				0.9725	10.000				0.0219		
47 Total Hepta-Furans				1.0481	10.000				0.0196		
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											



Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	ELPC
41 Total Hexa-Dioxins				0.8771	10.000				0.0450		
42 Total Hepta-Dioxins				0.8967	10.000			0.123	0.0377	0.123	
43 Total Tetra-Furans				0.7466	10.000			0.000	0.00735	0.0788	
44 1st Func. Penta-Furans				0.8771	10.000				0.00777		
45 Total Penta-Furans				0.8771	10.000			0.0282	0.0131	0.0714	
46 Total Hexa-Furans				0.9725	10.000				0.0219		
47 Total Hepta-Furans				1.0481	10.000				0.0196		
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											



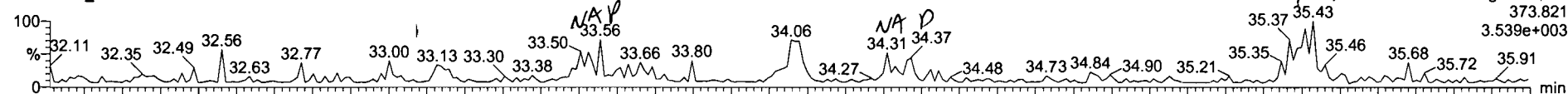
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Printed: Friday, May 28, 2021 10:07:48 Pacific Daylight Time

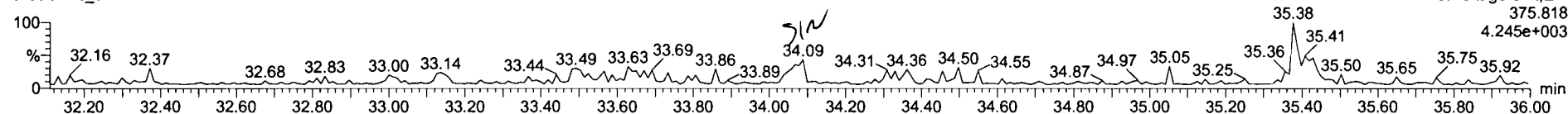
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1,2,3,4,7,8-HxCDF

210527R2\_5

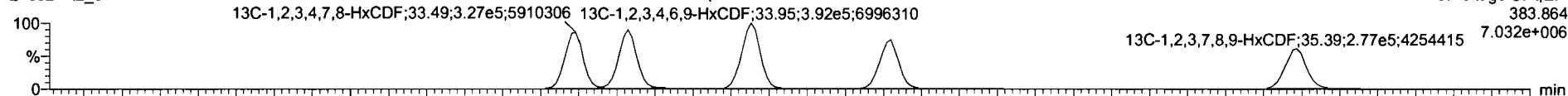


210527R2\_5

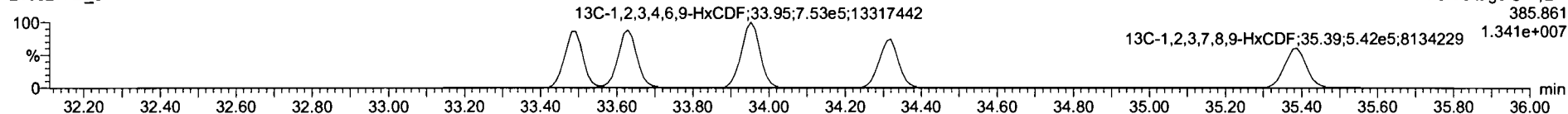


13C-1,2,3,4,7,8-HxCDF

210527R2\_5

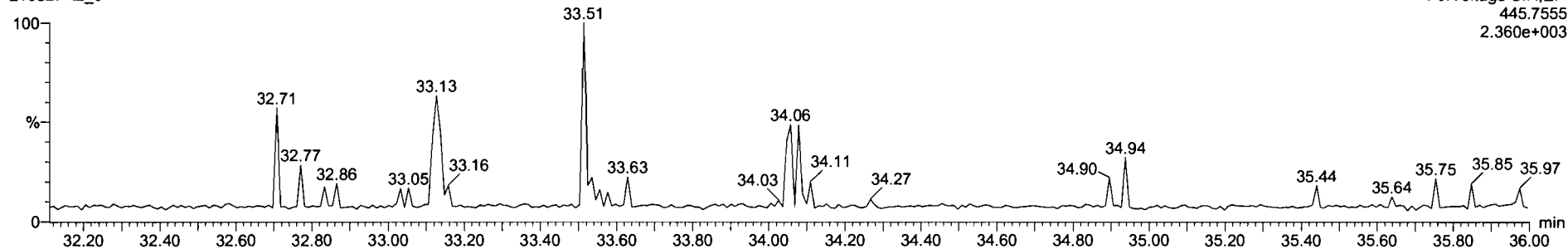


210527R2\_5



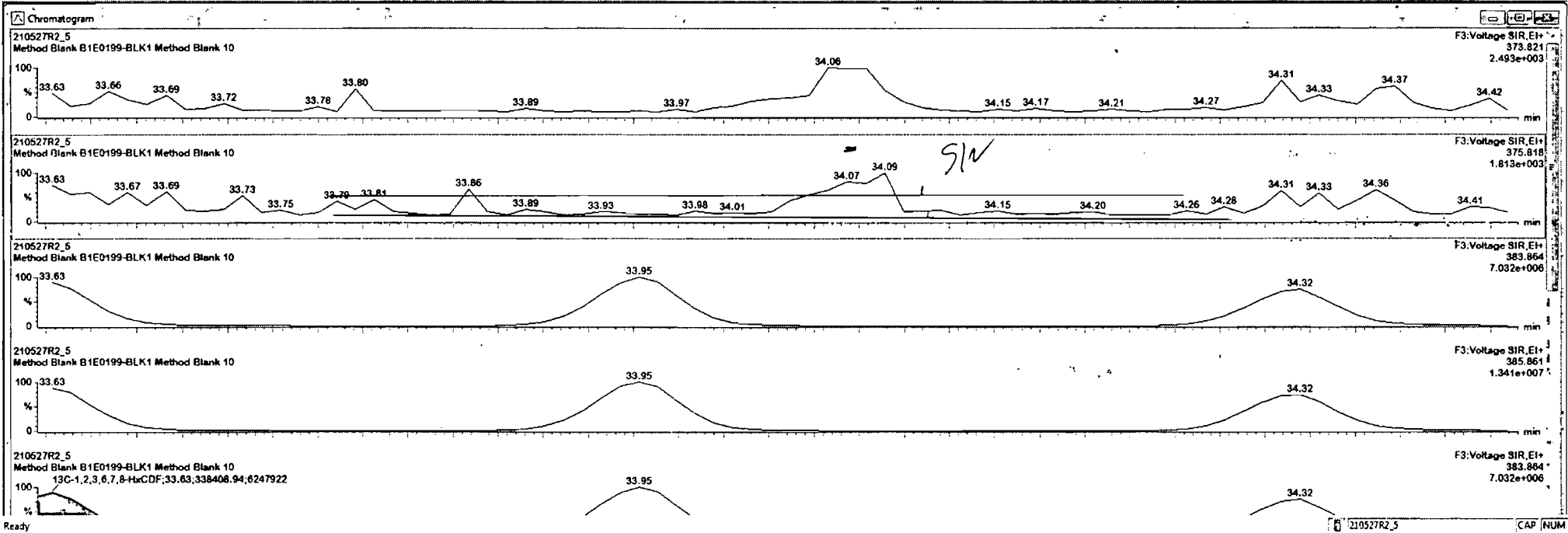
DPE3

210527R2\_5





Name	Resp	RA	ny	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				0.8771	10.000				0.0400		
42 Total Hepta-Dioxins				0.8987	10.000			0.123	0.0377	0.123	
43 Total Tetra-Furans				0.7462	10.000			0.000	0.00735	0.0768	
44 1st Func. Penta-Furans				0.8771	10.000				0.00777		
45 Total Penta-Furans				0.8771	10.000				0.0131		
46 Total Hexa-Furans				0.8725	10.000				0.0219		
47 Total Hepta-Furans				1.0461	10.000				0.0196		
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											



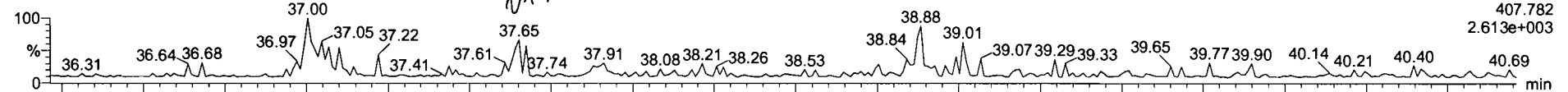
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Printed: Friday, May 28, 2021 10:07:48 Pacific Daylight Time

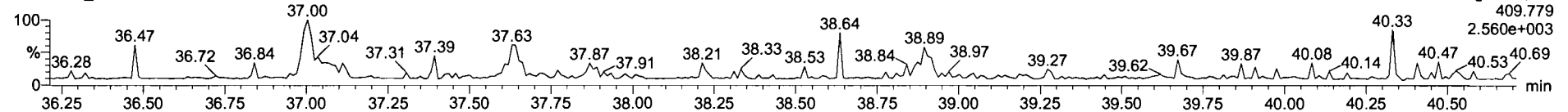
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1,2,3,4,6,7,8-HpCDF

210527R2\_5

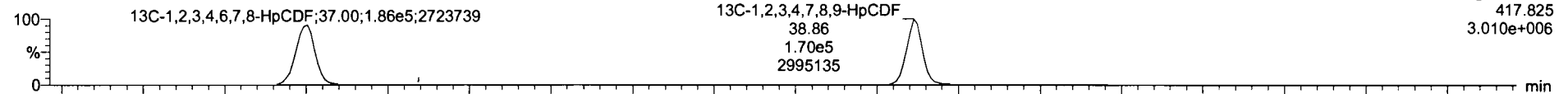


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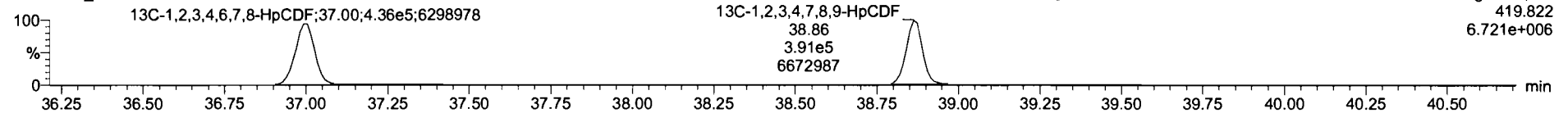


13C-1,2,3,4,6,7,8-HpCDF

210527R2\_5

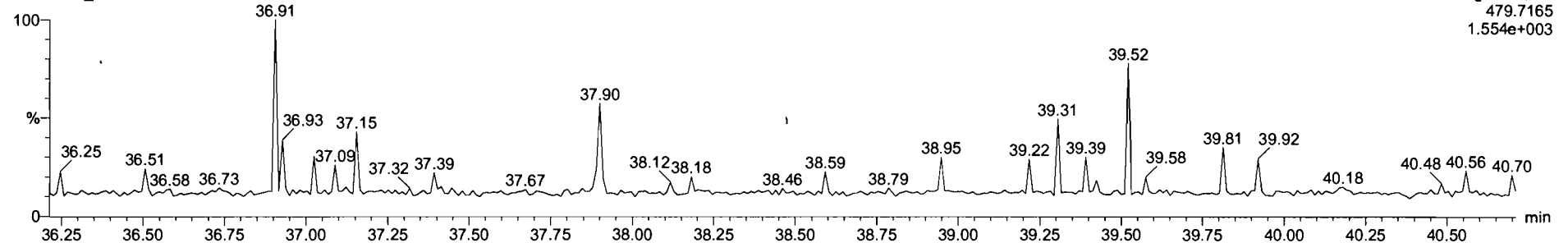


210527R2\_5

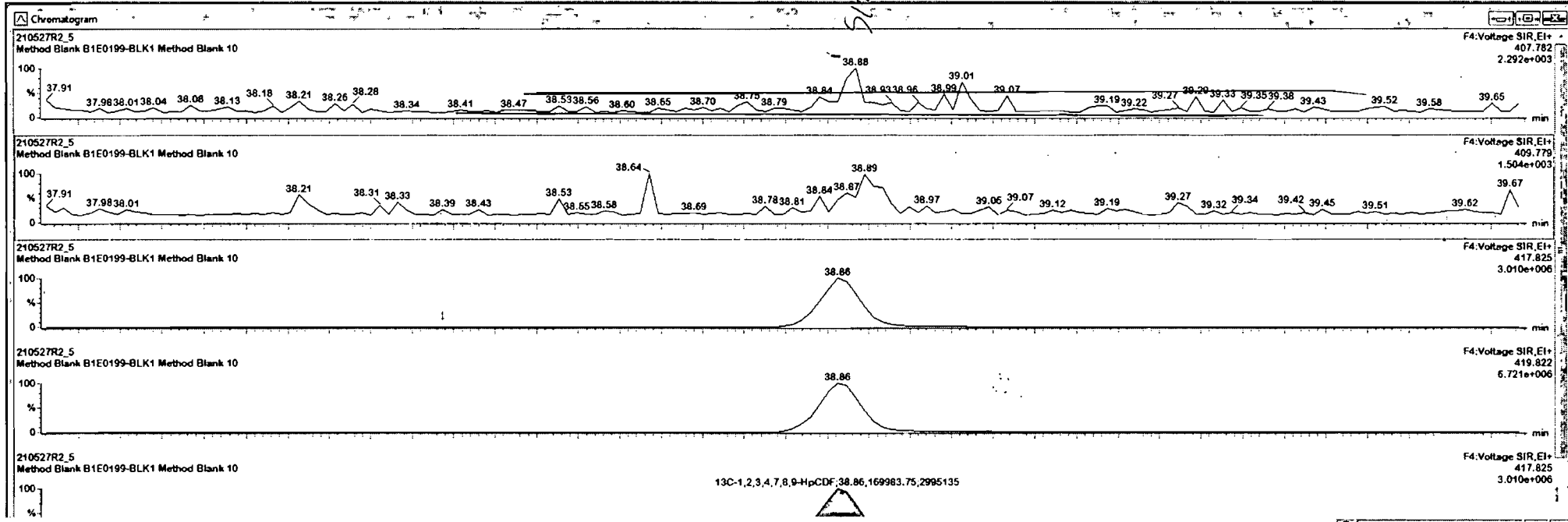


DPE4

210527R2\_5



Name	Reso	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				0.6771	10.000				0.0400		
42 Total Hepta-Dioxins				0.8967	10.000			0.123	0.0377	0.123	
43 Total Tetra-Furans				0.7465	10.000			0.000	0.00735	0.0785	
44 1st Func. Penta-Furans				0.6771	10.000				0.00777		
45 Total Penta-Furans				0.6771	10.000				0.0131		
46 Total Hexa-Furans				0.9725	10.000				0.0219		
47 Total Hepta-Furans				1.0451	10.000				0.0196		
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											



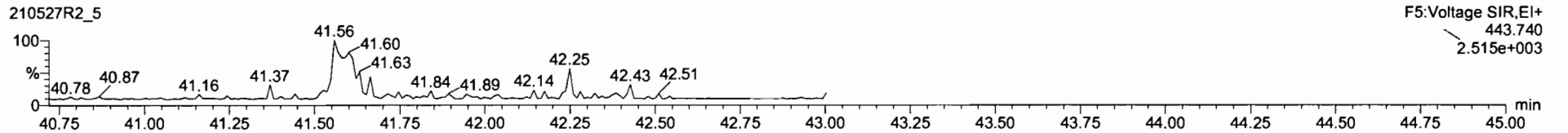
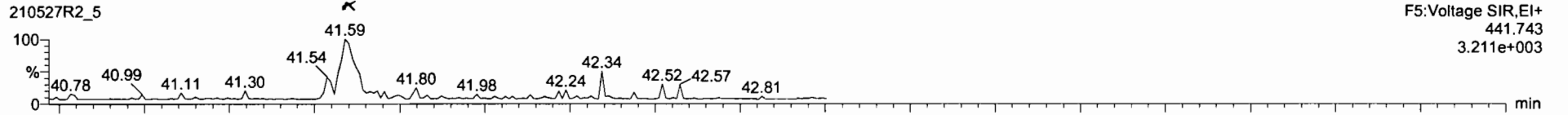
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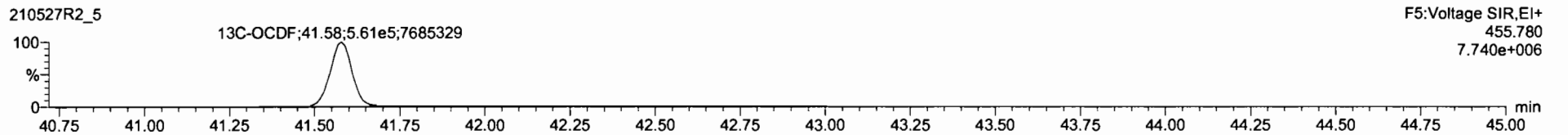
Last Altered: Friday, May 28, 2021 10:05:46 Pacific Daylight Time  
Printed: Friday, May 28, 2021 10:07:48 Pacific Daylight Time

Name: 210527R2\_5, Date: 27-May-2021, Time: 19:44:49, ID: B1E0199-BLK1 Method Blank 10, Description: Method Blank

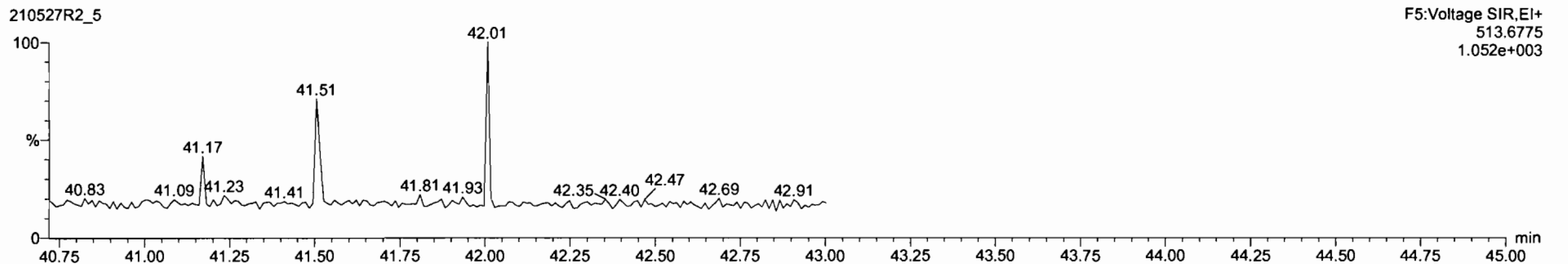
**OCD F**



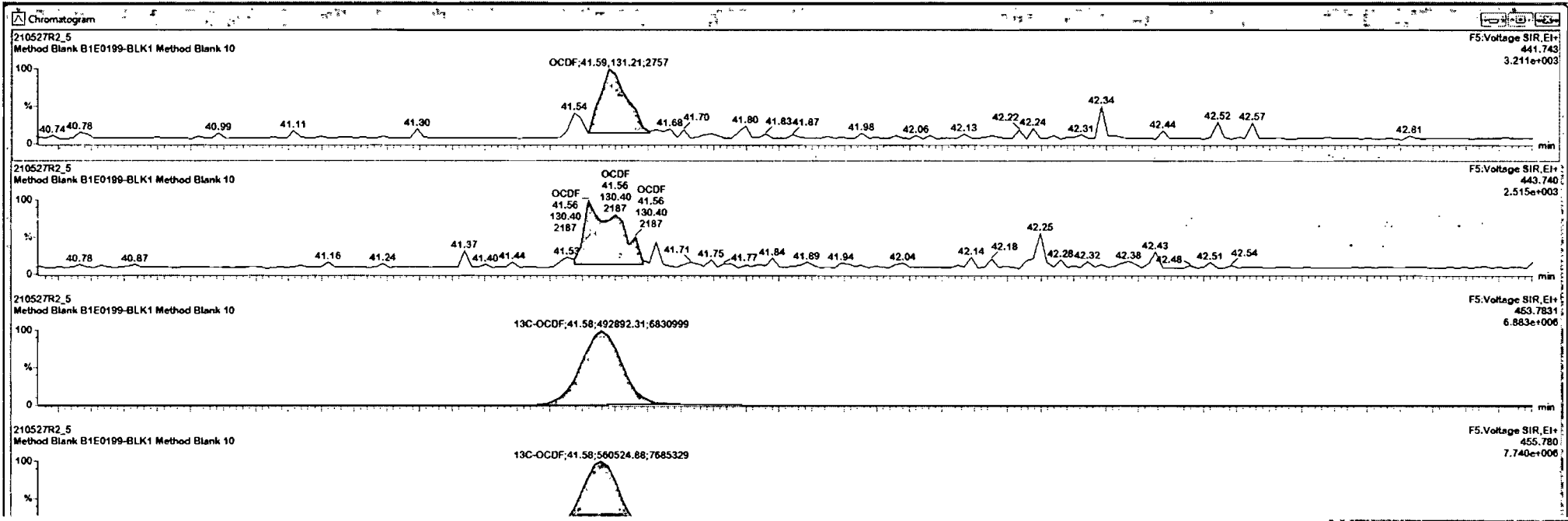
**13C-OCD F**



**DPE5**



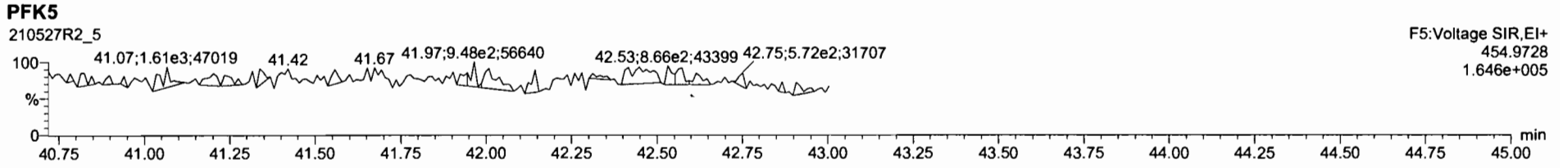
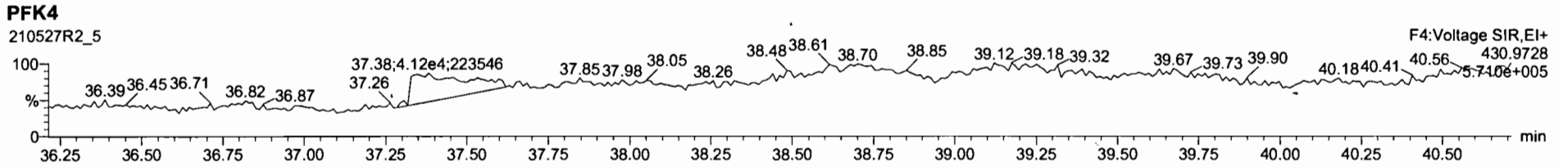
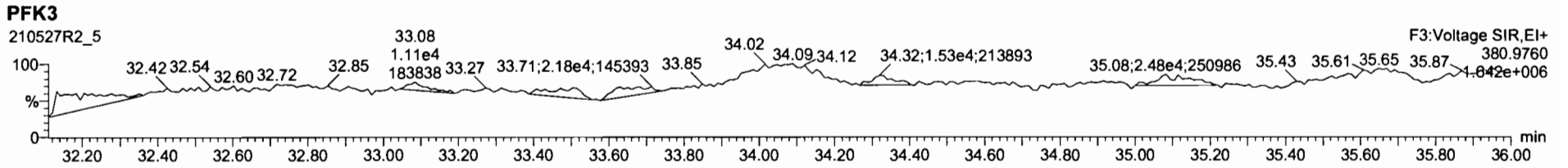
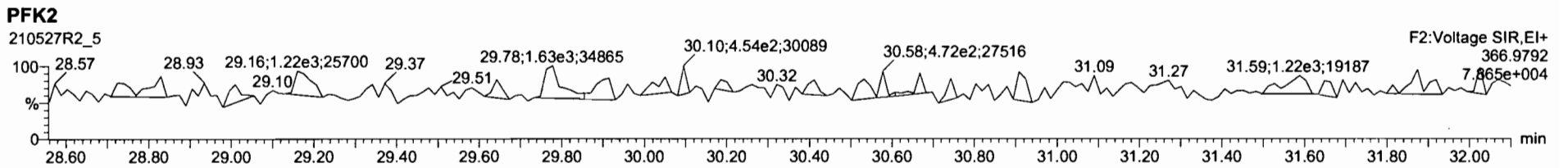
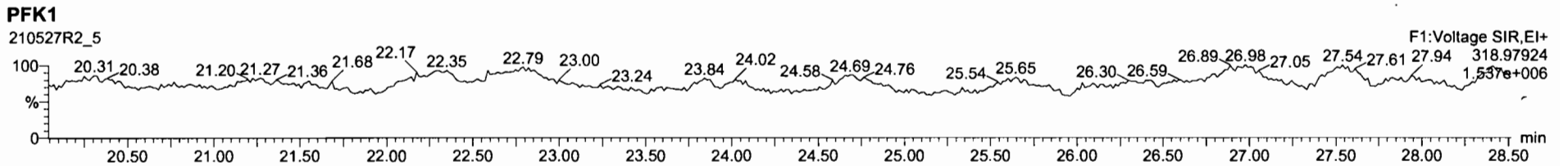
Name	Resp	RA	ny	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EWPC
5 1,2,3,7,8-HxCDD			NO	0.8733	10.000					0.0572	
6 1,2,3,4,6,7,8-HpCDD	3.46e2	1.01	NO	0.8967	10.000	35.21	1.000	0.123		0.0377	0.123
7 OCDD	1.26e3	0.66	NO	0.6524	10.000	41.28	1.001	0.782		0.217	0.782
8 2,3,7,8-TCDF	2.61e2	0.65	YES	0.7466	10.000	28.05	1.001	0.0394		0.0136	0.0357
9 1,2,3,7,8-PeCDF			NO	0.8771	10.000					0.0376	
10 2,3,4,7,8-PeCDF			NO	0.9221	10.000					0.0288	
11 1,2,3,4,7,8-HxCDF			NO	0.9202	10.000					0.0409	
12 1,2,3,6,7,8-HxCDF			NO	0.9363	10.000					0.0379	
13 2,3,4,6,7,8-HxCDF			NO	0.9725	10.000					0.0436	
14 1,2,3,7,8,9-HxCDF			NO	0.9396	10.000					0.0554	
15 1,2,3,4,6,7,8-HpCDF			NO	1.0481	10.000					0.0431	
16 1,2,3,4,7,8,9-HpCDF			NO	1.0452	10.000					0.0397	
17 OCDF	2.62e2	1.01	NO	0.7712	10.000	41.59	1.000	0.129		0.0391	0.129
18 13C-2,3,7,8-TCDD	1.29e5	0.79	NO	1.1042	10.000	28.65	1.027	150	94.8	0.0744	
19 13C-1,2,3,7,8-PeCDD	1.03e5	0.64	NO	0.6635	10.000	31.08	1.158	156	99.0	0.208	



Dataset: Untitled

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Name: 210527R2\_5, Date: 27-May-2021, Time: 19:44:49, ID: B1E0199-BLK1 Method Blank 10, Description: Method Blank



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Printed: Friday, May 28, 2021 11:18:53 Pacific Daylight Time

*DF05/28/21*

Method: U:\VG12.PRO\MethDB\1613rrt-04-27-21.mdb 27 Apr 2021 17:33:38  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

*CT06/18/2021*

Name: 210527R2\_2, Date: 27-May-2021, Time: 17:32:06, ID: B1E0199-BS1 OPR 10, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.37e5	0.74	NO	0.929	10.000	26.698	26.68	1.001	1.000	23.005		0.0292	23.0
2	1,2,3,7,8-PeCDD	5.32e5	0.62	NO	0.826	10.000	31.121	31.09	1.001	1.000	113.98		0.140	114
3	1,2,3,4,7,8-HxCDD	4.40e5	1.25	NO	0.972	10.000	34.445	34.44	1.001	1.000	119.63		0.131	120
4	1,2,3,6,7,8-HxCDD	4.32e5	1.25	NO	0.877	10.000	34.571	34.56	1.001	1.000	117.07		0.136	117
5	1,2,3,7,8,9-HxCDD	4.44e5	1.25	NO	0.874	10.000	34.843	34.84	1.000	1.000	118.47		0.134	118
6	1,2,3,4,6,7,8-HpCDD	3.25e5	1.04	NO	0.899	10.000	38.269	38.27	1.000	1.000	116.04		0.338	116
7	OCDD	4.61e5	0.88	NO	0.852	10.000	41.409	41.40	1.000	1.000	234.61		0.567	235
8	2,3,7,8-TCDF	1.55e5	0.75	NO	0.747	10.000	26.048	26.06	1.000	1.001	22.953		0.0272	23.0
9	1,2,3,7,8-PeCDF	7.72e5	1.59	NO	0.877	10.000	29.902	29.91	1.000	1.000	119.36		0.132	119
10	2,3,4,7,8-PeCDF	8.22e5	1.57	NO	0.962	10.000	30.931	30.92	1.001	1.000	117.24		0.117	117
11	1,2,3,4,7,8-HxCDF	5.51e5	1.23	NO	0.920	10.000	33.492	33.50	1.000	1.001	115.22		0.222	115
12	1,2,3,6,7,8-HxCDF	6.11e5	1.23	NO	0.936	10.000	33.649	33.64	1.001	1.000	118.48		0.219	118
13	2,3,4,6,7,8-HxCDF	5.43e5	1.22	NO	0.973	10.000	34.340	34.33	1.001	1.000	117.88		0.251	118
14	1,2,3,7,8,9-HxCDF	4.72e5	1.24	NO	0.940	10.000	35.398	35.40	1.000	1.000	116.38		0.316	116
15	1,2,3,4,6,7,8-HpCDF	3.88e5	1.01	NO	1.05	10.000	37.044	37.04	1.000	1.000	115.88		0.305	116
16	1,2,3,4,7,8,9-HpCDF	3.56e5	1.02	NO	1.05	10.000	38.950	38.95	1.000	1.000	115.65		0.322	116
17	OCDF	5.41e5	0.90	NO	0.771	10.000	41.703	41.72	1.000	1.000	233.63		0.368	234
18	13C-2,3,7,8-TCDD	1.28e6	0.78	NO	1.10	10.000	26.655	26.67	1.027	1.027	188.60	94.3	0.0941	
19	13C-1,2,3,7,8-PeCDD	1.13e6	0.63	NO	0.864	10.000	31.034	31.09	1.196	1.198	212.24	106	0.179	
20	13C-1,2,3,4,7,8-HxCDD	7.56e5	1.28	NO	0.746	10.000	34.422	34.42	1.014	1.014	168.62	84.3	0.313	
21	13C-1,2,3,6,7,8-HxCDD	8.41e5	1.27	NO	0.847	10.000	34.541	34.55	1.017	1.018	165.29	82.6	0.276	
22	13C-1,2,3,7,8,9-HxCDD	8.58e5	1.25	NO	0.868	10.000	34.839	34.83	1.026	1.026	164.53	82.3	0.269	
23	13C-1,2,3,4,6,7,8-HpCDD	6.24e5	1.01	NO	0.664	10.000	38.184	38.26	1.125	1.127	156.42	78.2	0.486	
24	13C-OCDD	9.22e5	0.90	NO	0.561	10.000	41.127	41.40	1.211	1.219	273.66	68.4	0.334	
25	13C-2,3,7,8-TCDF	1.81e6	0.79	NO	1.09	10.000	26.045	26.05	1.003	1.003	177.80	88.9	0.0778	
26	13C-1,2,3,7,8-PeCDF	1.48e6	1.57	NO	0.809	10.000	29.765	29.90	1.147	1.152	195.29	97.6	0.383	
27	13C-2,3,4,7,8-PeCDF	1.46e6	1.59	NO	0.803	10.000	30.725	30.91	1.184	1.191	194.58	97.3	0.387	
28	13C-1,2,3,4,7,8-HxCDF	1.04e6	0.51	NO	1.01	10.000	33.495	33.48	0.987	0.986	171.24	85.6	0.367	
29	13C-1,2,3,6,7,8-HxCDF	1.10e6	0.51	NO	1.07	10.000	33.624	33.63	0.990	0.990	170.85	85.4	0.346	
30	13C-2,3,4,6,7,8-HxCDF	9.47e5	0.51	NO	0.910	10.000	34.313	34.32	1.011	1.011	173.28	86.6	0.408	
31	13C-1,2,3,7,8,9-HxCDF	8.63e5	0.51	NO	0.828	10.000	35.389	35.39	1.042	1.042	173.51	86.8	0.448	

Dataset: U:\VG12.PRO\Results\210527R2\210527R2\_2.qld

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Printed: Friday, May 28, 2021 11:18:53 Pacific Daylight Time

Name: 210527R2\_2, Date: 27-May-2021, Time: 17:32:06, ID: B1E0199-BS1 OPR 10, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc	%Rec	DU	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	6.38e5	0.44	NO	0.661	10.000	36.995	37.03	1.090	1.090	160.80	80.4	0.503	
33	13C-1,2,3,4,7,8,9-HpCDF	5.89e5	0.44	NO	0.566	10.000	38.754	38.94	1.141	1.147	173.21	86.6	0.588	
34	13C-OCDF	1.20e6	0.88	NO	0.663	10.000	41.515	41.69	1.223	1.228	301.61	75.4	0.252	
35	37Cl-2,3,7,8-TCDD	1.04e6			2.07	10.000	26.855	26.68	1.035	1.028	81.903	102	0.0118	
36	13C-1,2,3,4-TCDD	1.23e6	0.78	NO	1.00	10.000	26.070	25.96	1.000	1.000	200.00	100	0.104	
37	13C-1,2,3,4-TCDF	1.87e6	0.79	NO	1.00	10.000	24.760	24.63	1.000	1.000	200.00	100	0.0850	
38	13C-1,2,3,4,6,9-HxCDF	1.20e6	0.51	NO	1.00	10.000	34.040	33.95	1.000	1.000	200.00	100	0.371	



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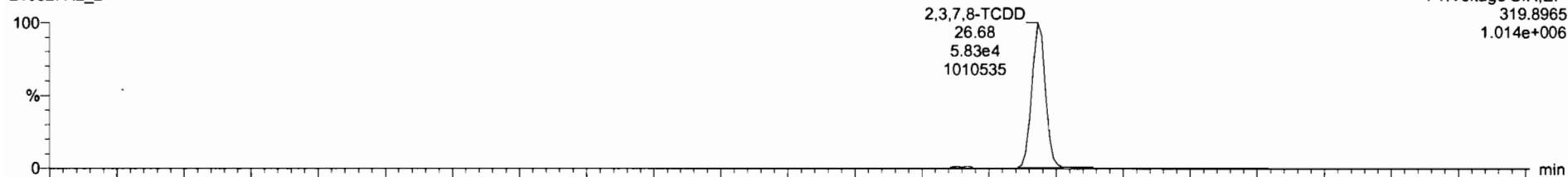
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Printed: Friday, May 28, 2021 10:07:48 Pacific Daylight Time

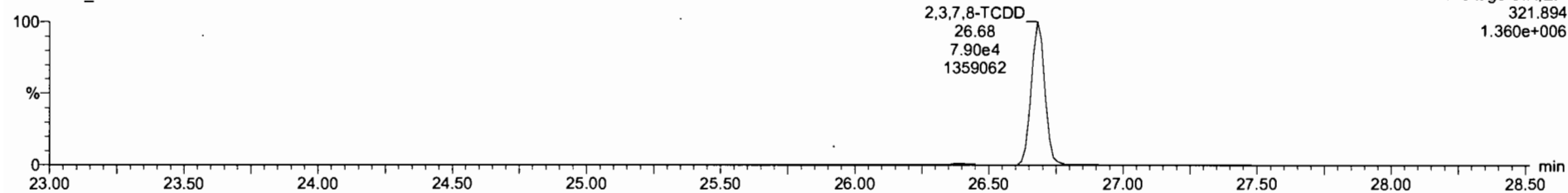
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**2,3,7,8-TCDD**

210527R2\_2

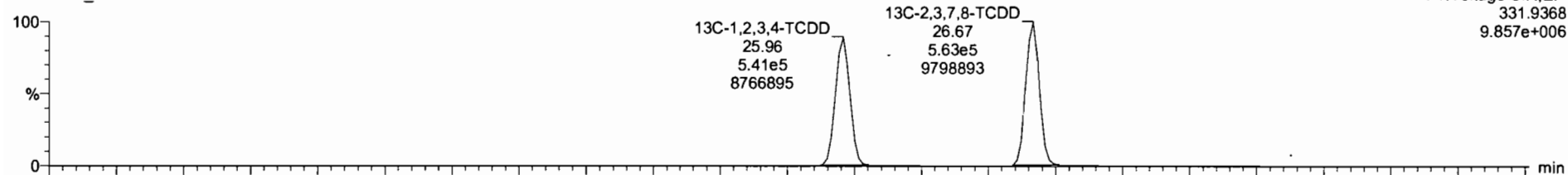


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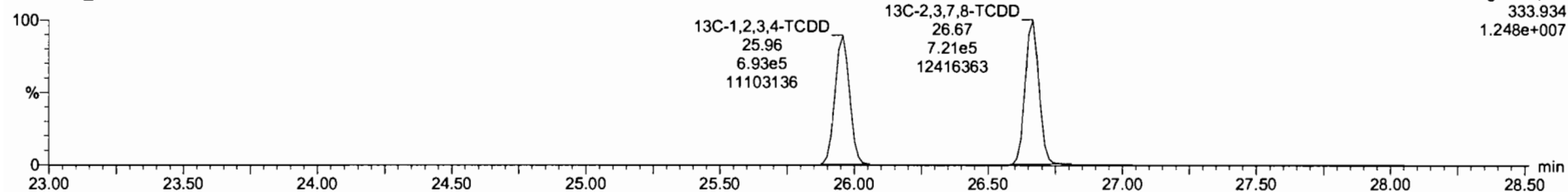


**13C-2,3,7,8-TCDD**

210527R2\_2



210527R2\_2



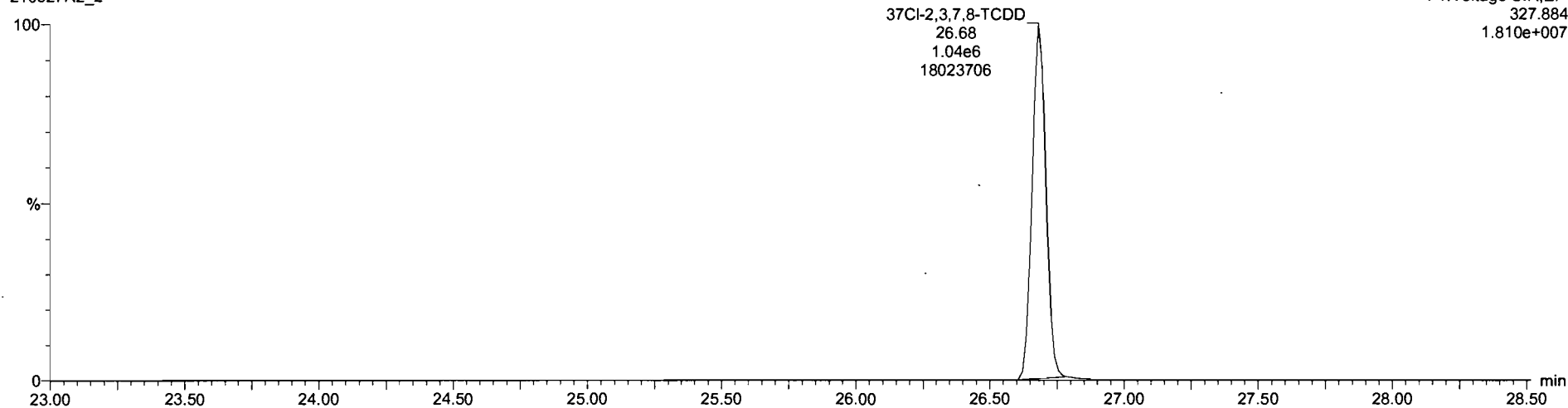
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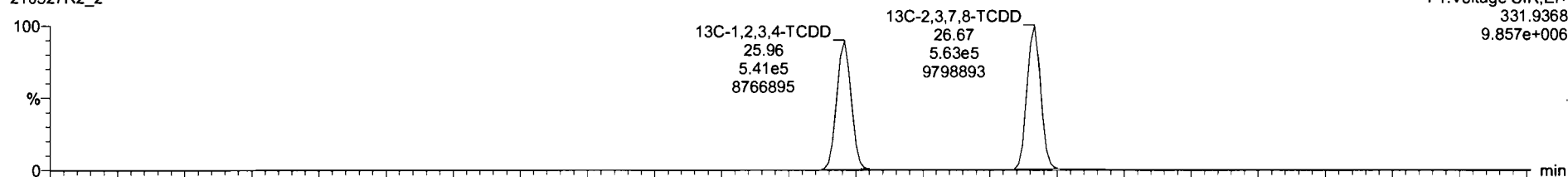
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210527R2\_2

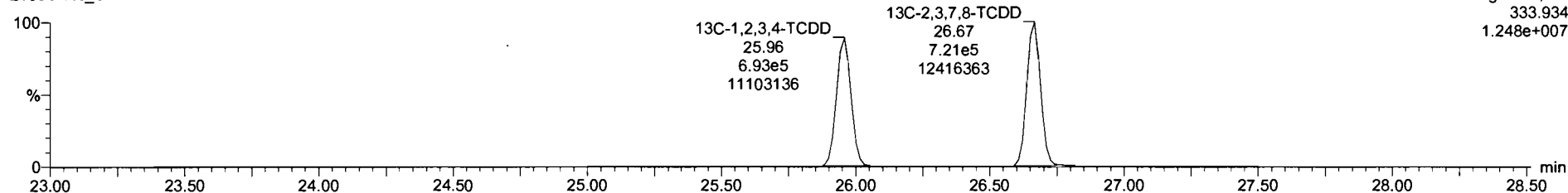


13C-1,2,3,4-TCDD

210527R2\_2



210527R2\_2



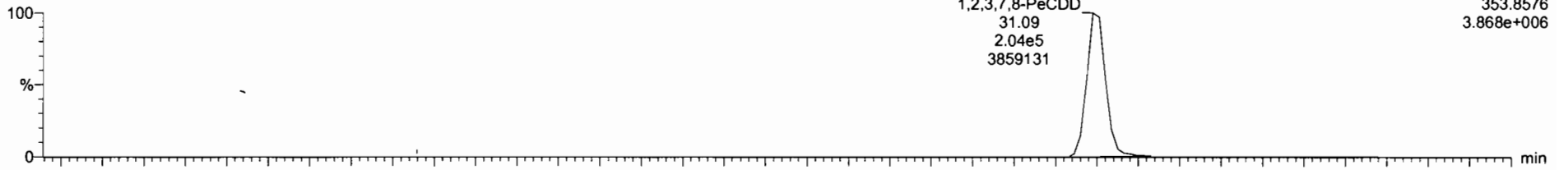
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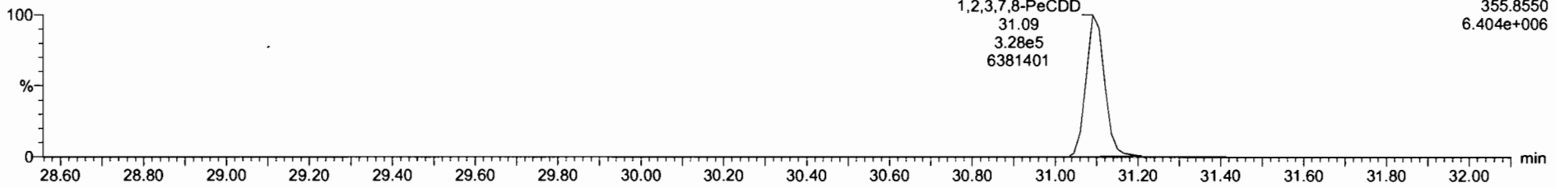
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**1,2,3,7,8-PeCDD**

210527R2\_2

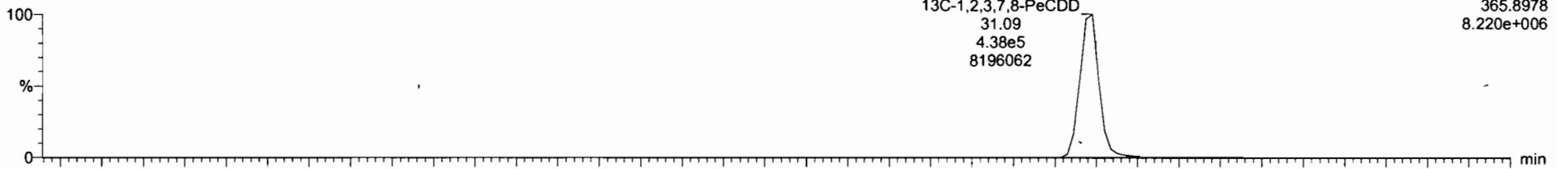


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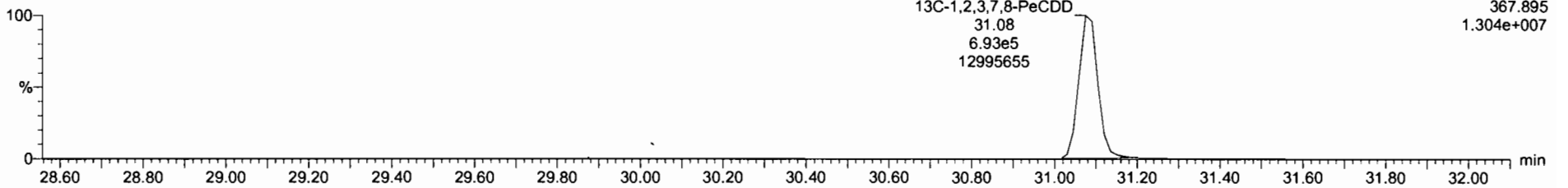


**13C-1,2,3,7,8-PeCDD**

210527R2\_2



210527R2\_2



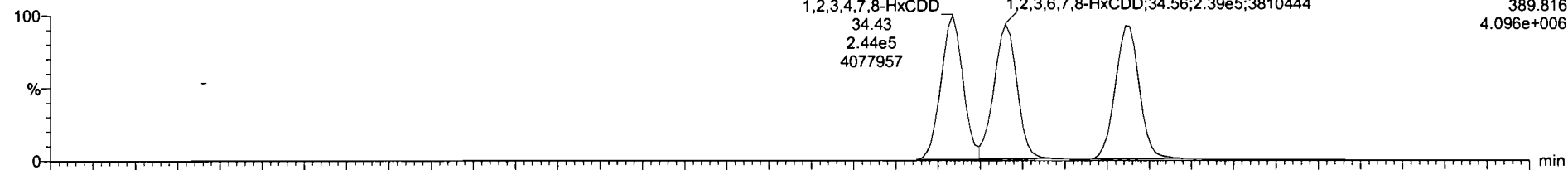
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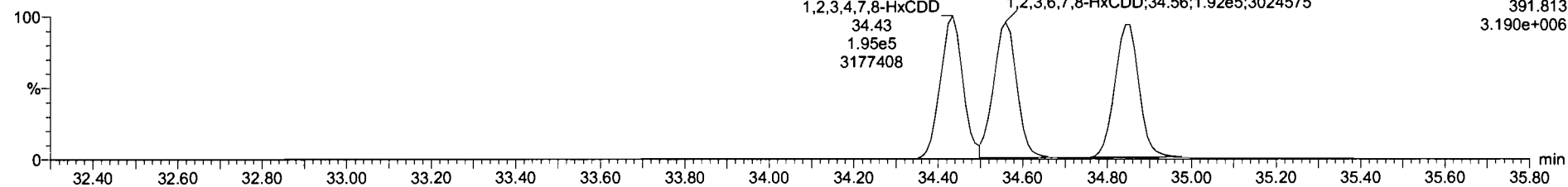
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**1,2,3,4,7,8-HxCDD**

210527R2\_2

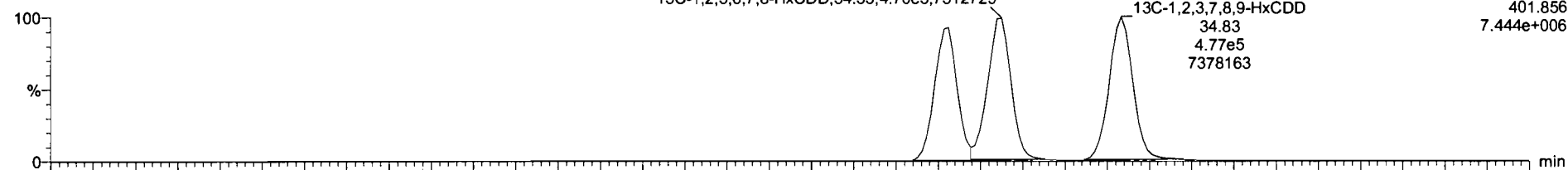


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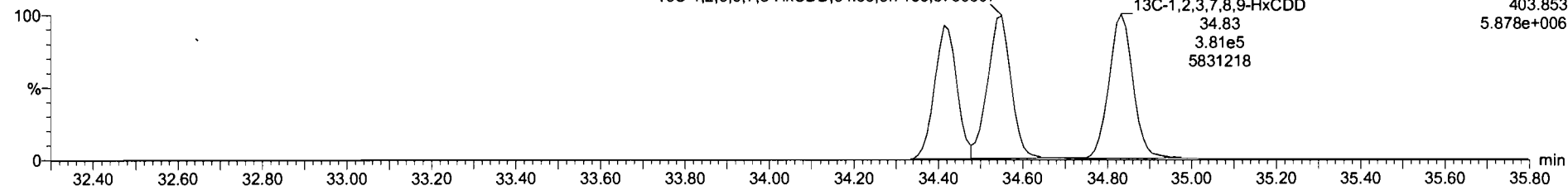


**13C-1,2,3,4,7,8-HxCDD**

210527R2\_2



210527R2\_2



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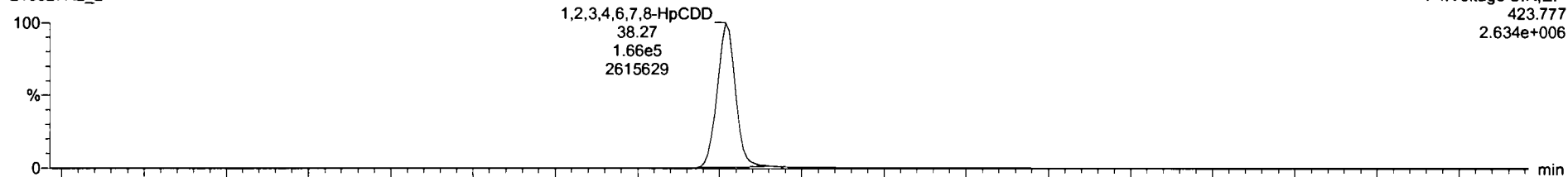
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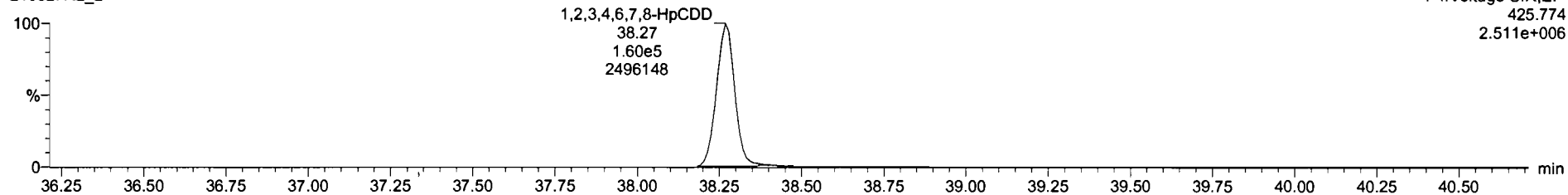
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**1,2,3,4,6,7,8-HpCDD**

210527R2\_2

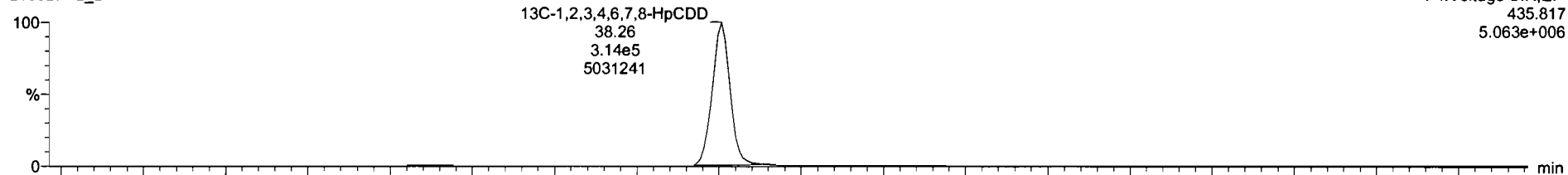


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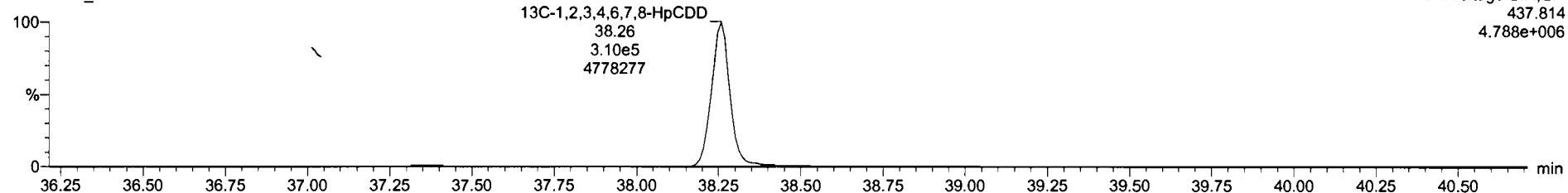


**13C-1,2,3,4,6,7,8-HpCDD**

210527R2\_2



210527R2\_2



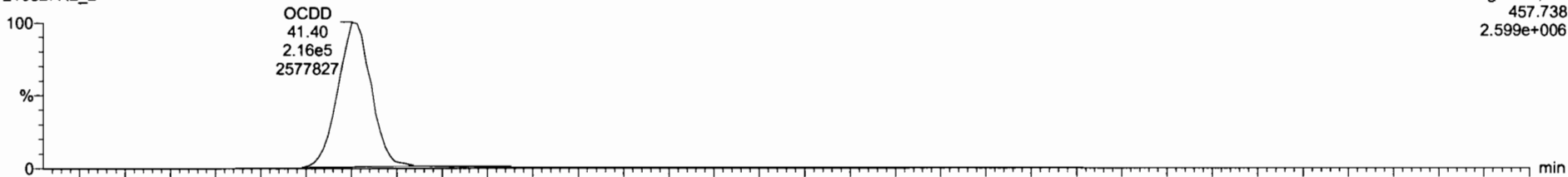
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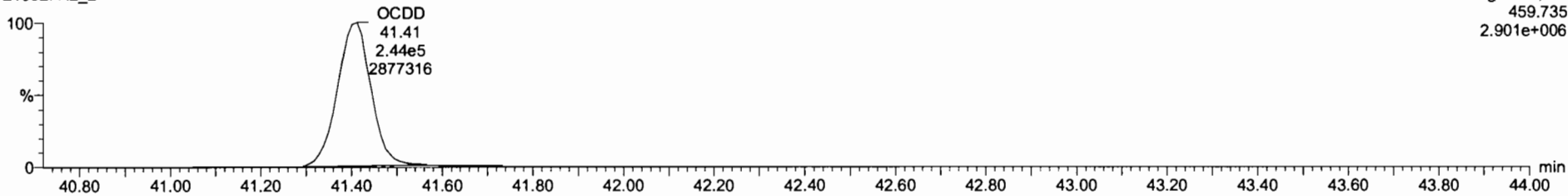
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**OCDD**

210527R2\_2

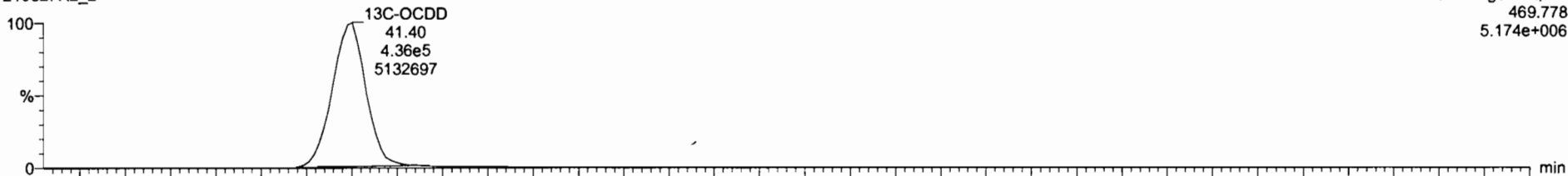


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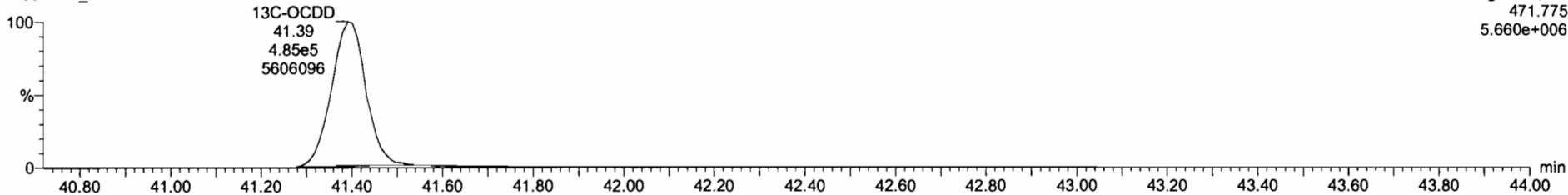


**13C-OCDD**

210527R2\_2



210527R2\_2



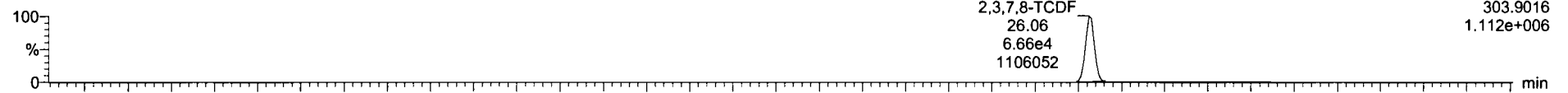
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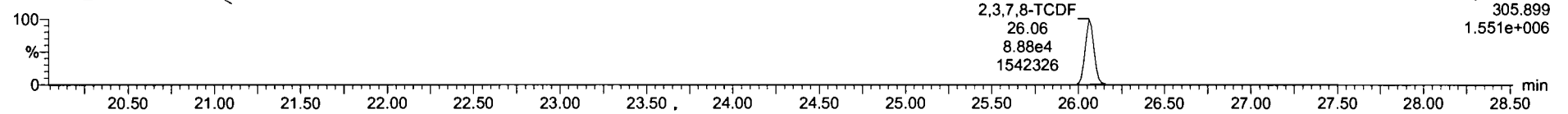
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**2,3,7,8-TCDF**

210527R2\_2

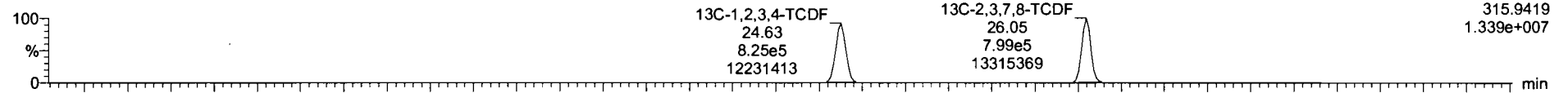


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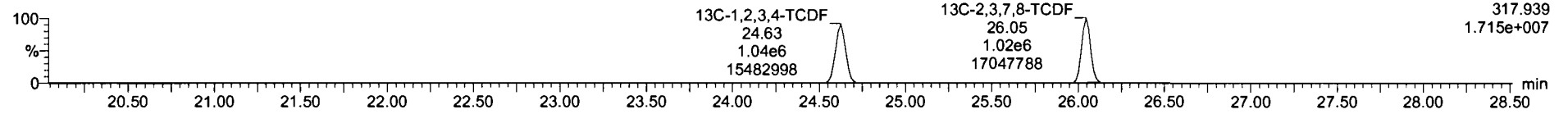


**13C-2,3,7,8-TCDF**

210527R2\_2

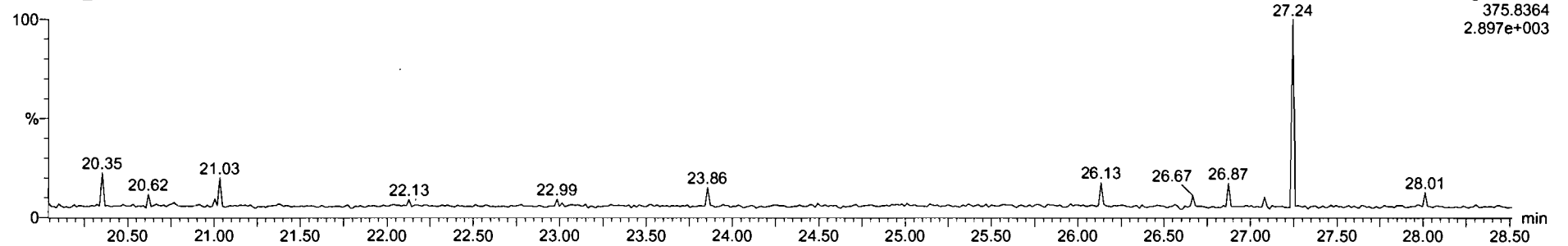


210527R2\_2



**DPE1**

210527R2\_2



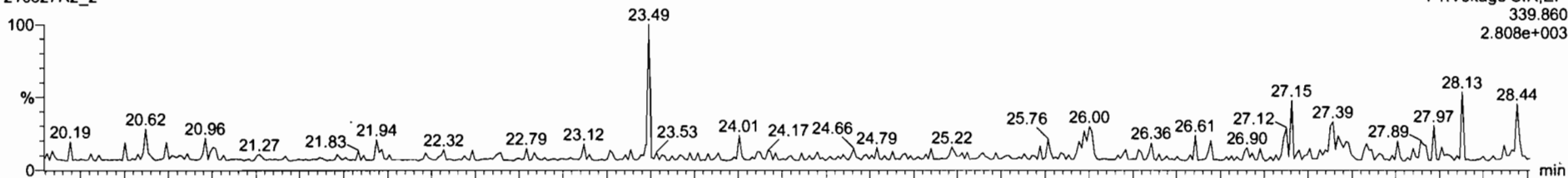
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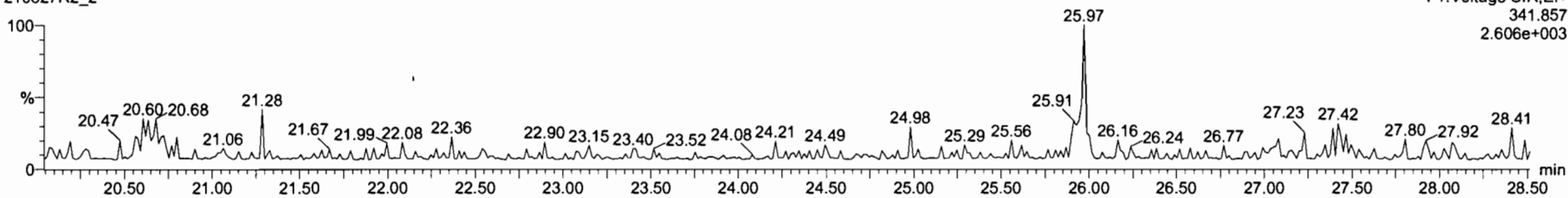
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210527R2\_2

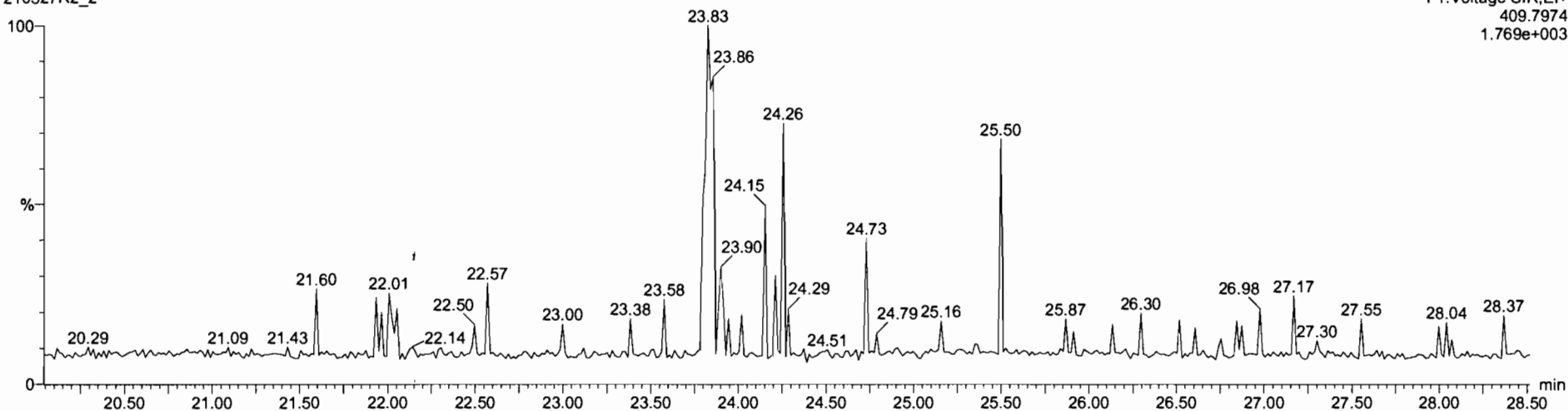


210527R2\_2



DPE6

210527R2\_2





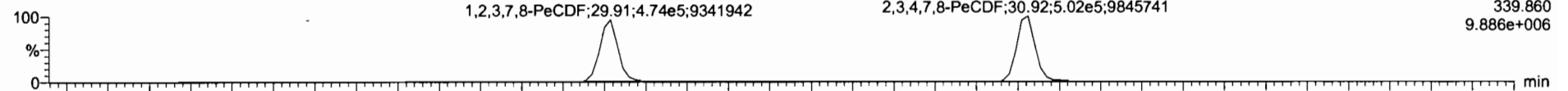
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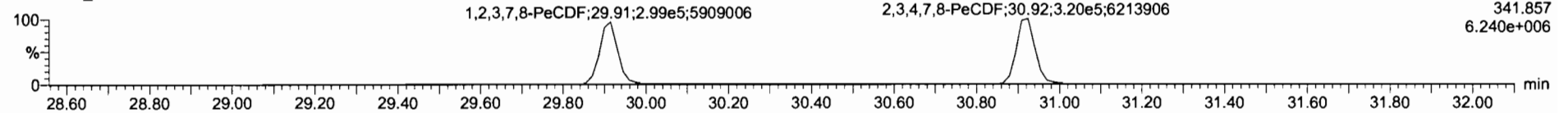
**1,2,3,7,8-PeCDF**

210527R2\_2



F2:Voltage SIR,EI+  
339.860  
9.886e+006

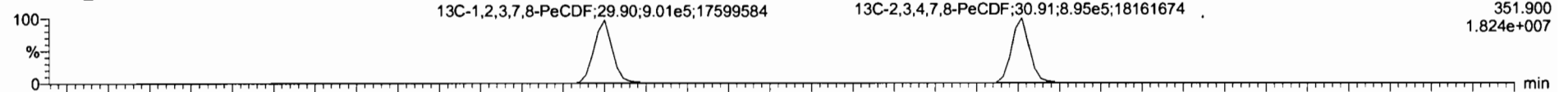
210527R2\_2



F2:Voltage SIR,EI+  
341.857  
6.240e+006

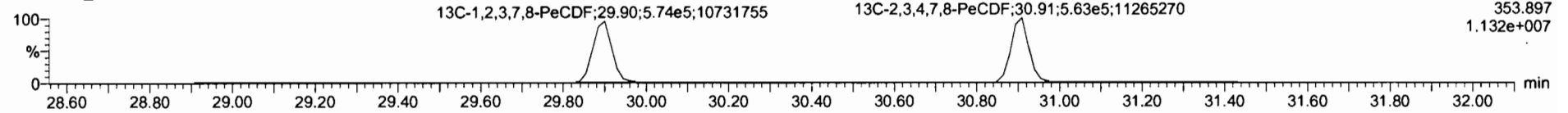
**13C-1,2,3,7,8-PeCDF**

210527R2\_2



F2:Voltage SIR,EI+  
351.900  
1.824e+007

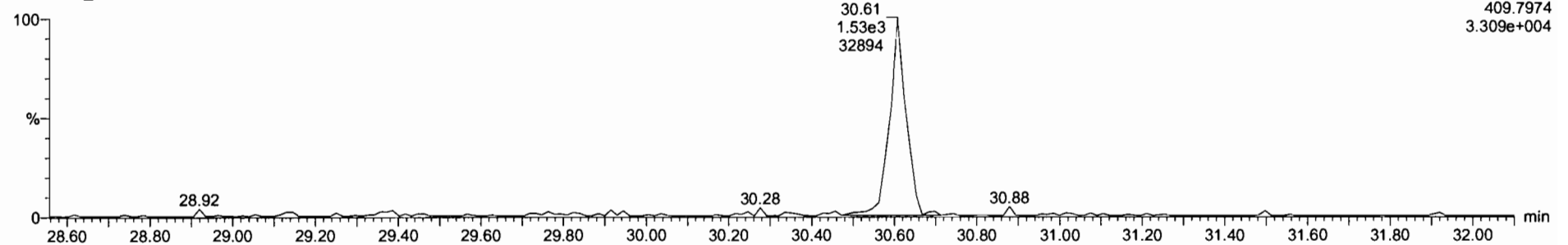
210527R2\_2



F2:Voltage SIR,EI+  
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1.132e+007

**DPE2**

210527R2\_2



F2:Voltage SIR,EI+  
409.7974  
3.309e+004

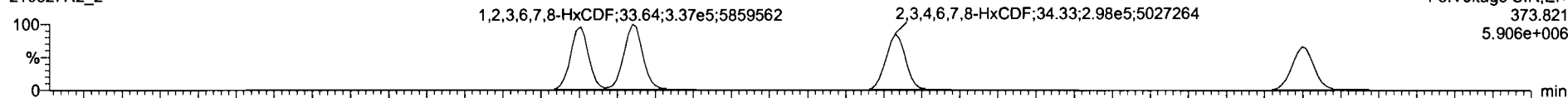
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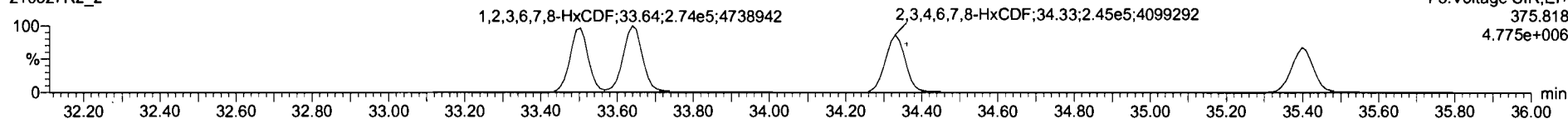
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**1,2,3,4,7,8-HxCDF**

210527R2\_2

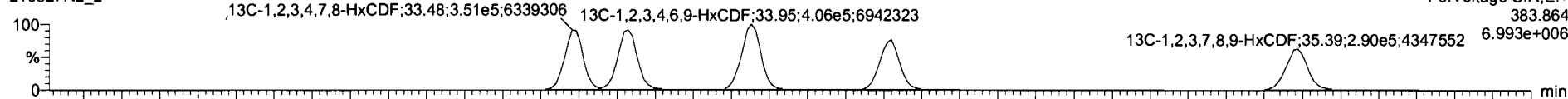


210527R2\_2

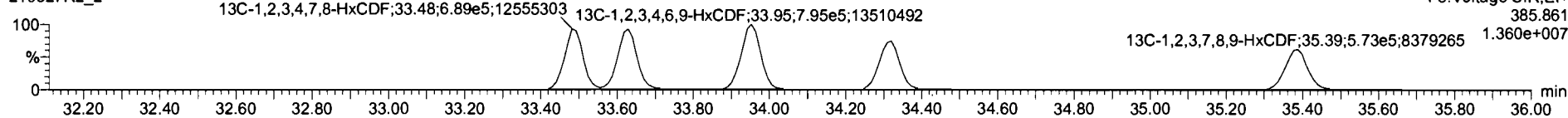


**13C-1,2,3,4,7,8-HxCDF**

210527R2\_2

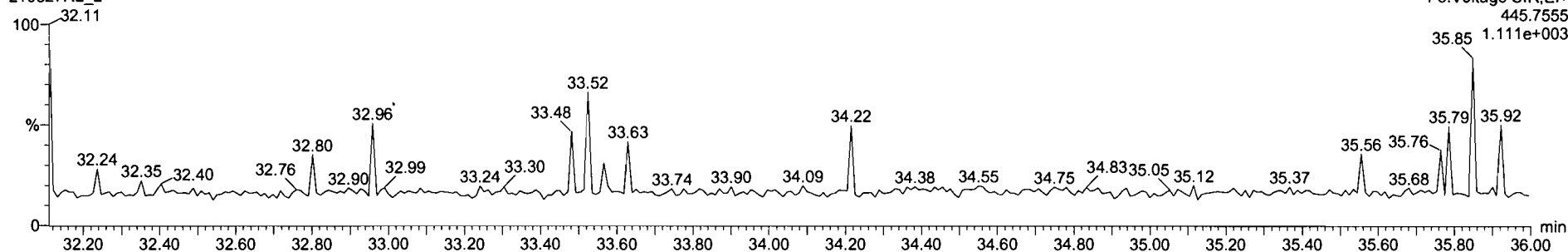


210527R2\_2



**DPE3**

210527R2\_2

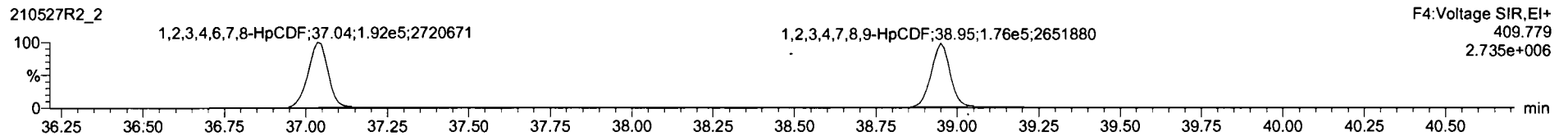
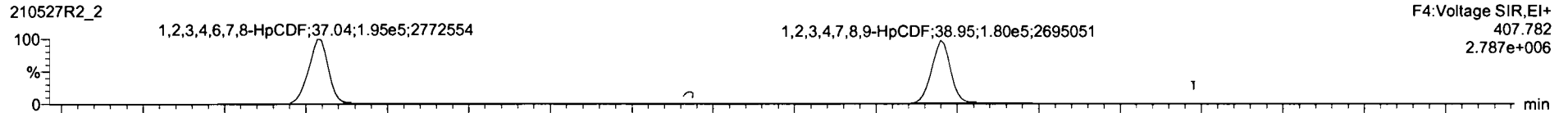


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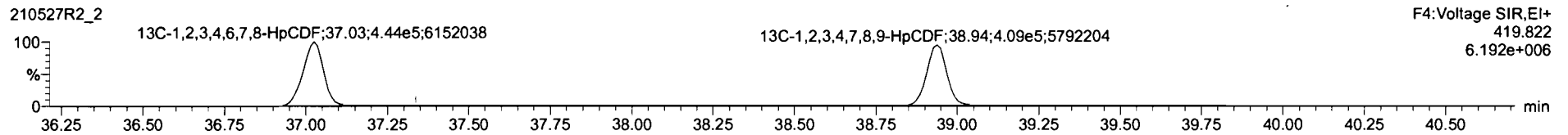
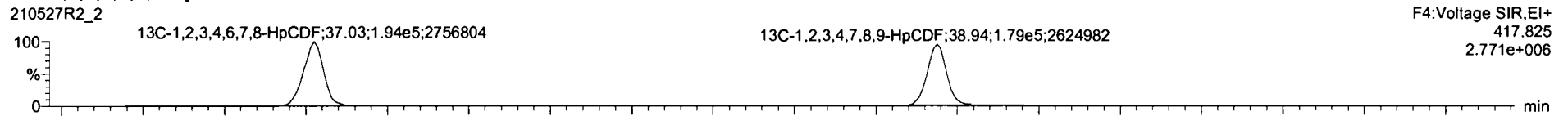
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Printed: Friday, May 28, 2021 10:07:48 Pacific Daylight Time

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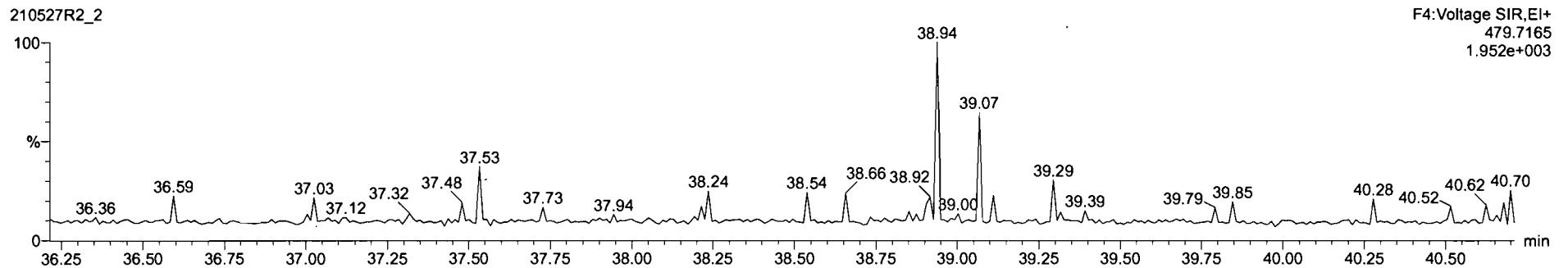
1,2,3,4,6,7,8-HpCDF



13C-1,2,3,4,6,7,8-HpCDF



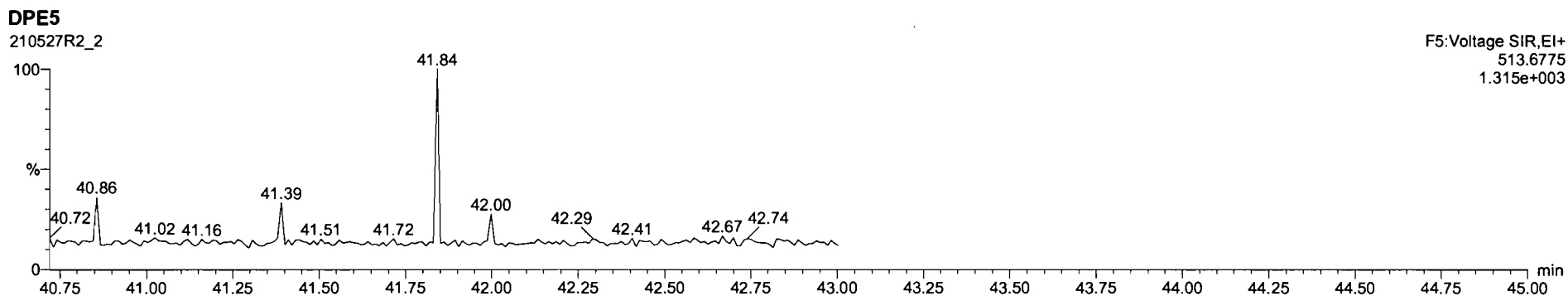
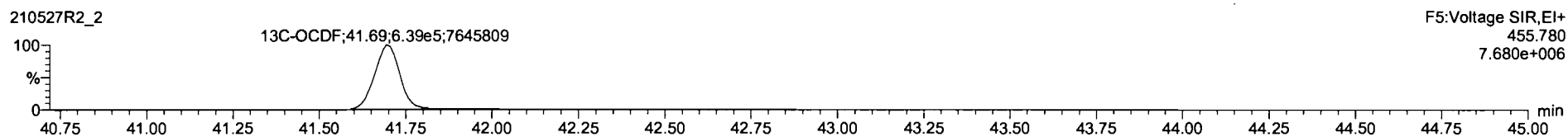
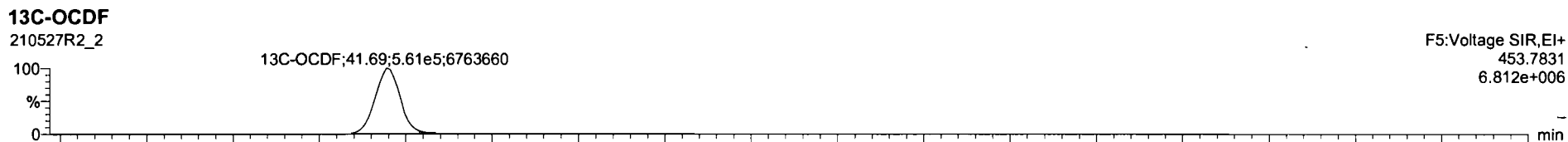
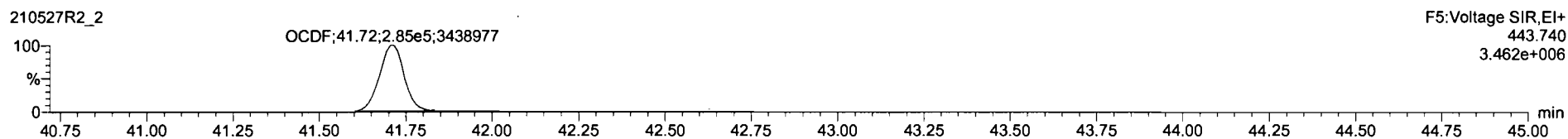
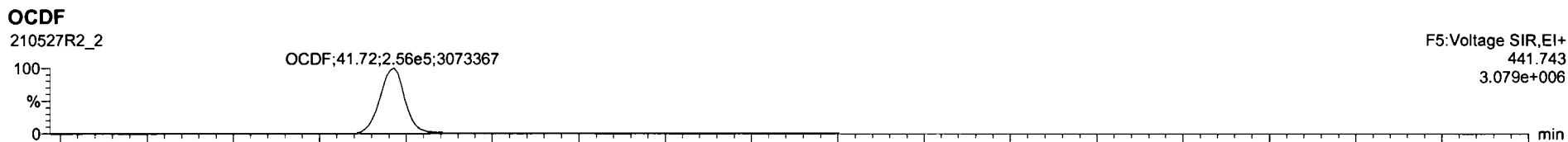
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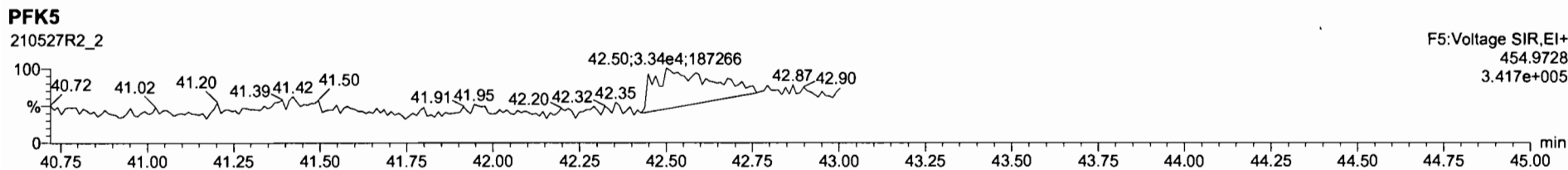
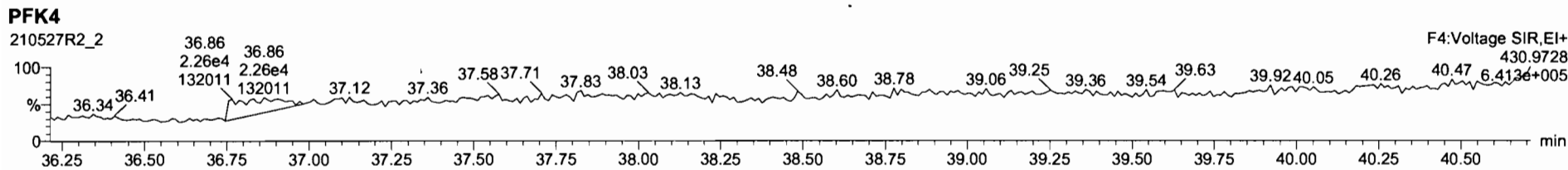
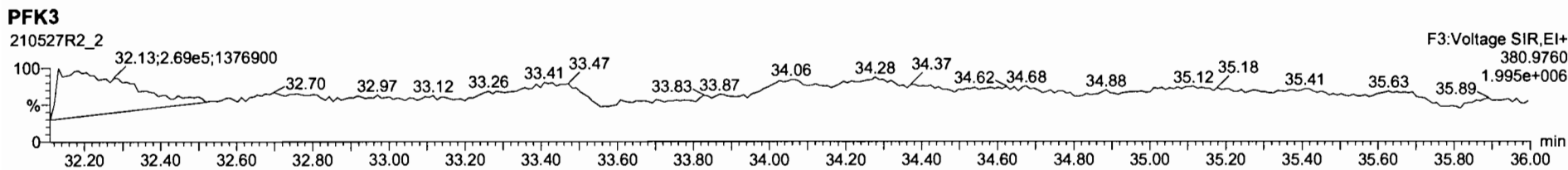
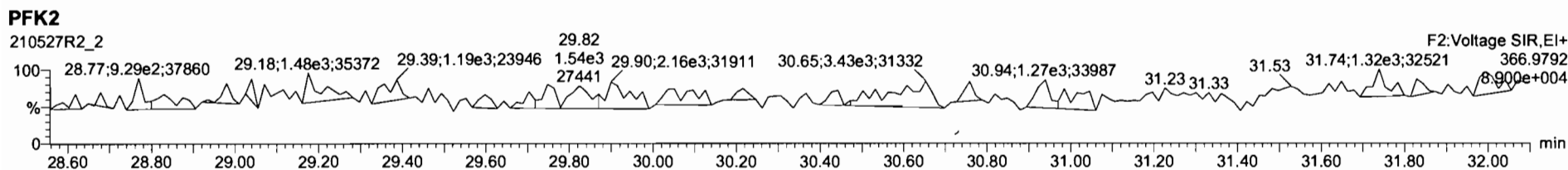
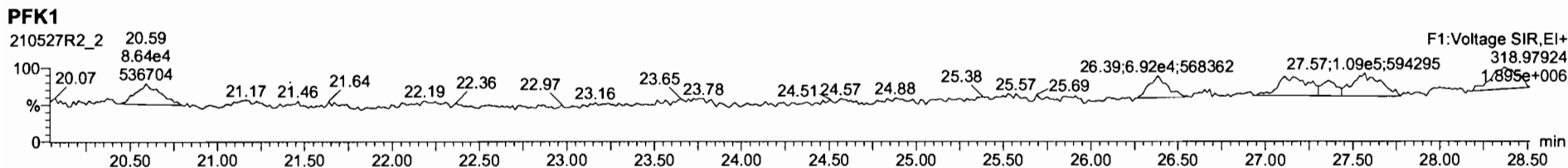
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Printed: Friday, May 28, 2021 10:07:48 Pacific Daylight Time

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Dataset: U:\VG12.PRO\Results\210609R1\210609R1\_8.qld

Last Altered: Wednesday, June 16, 2021 09:28:43 Pacific Daylight Time  
Printed: Wednesday, June 16, 2021 09:30:52 Pacific Daylight Time

*dy* 06/16/2021

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Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

CT 06/18/2021

Name: 210609R1\_8, Date: 09-Jun-2021, Time: 16:10:23, ID: 2105047-01 USMPDI-028SG-210504 21.37, Description: USMPDI-028SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD												0.0448	
2	2 1,2,3,7,8-PeCDD			NO	0.826	10.065	31.136		1.001				0.237	
3	3 1,2,3,4,7,8-HxCDD			NO	0.972	10.065	34.487		1.001				0.202	
4	4 1,2,3,6,7,8-HxCDD			NO	0.877	10.065	34.613		1.001				0.205	
5	5 1,2,3,7,8,9-HxCDD			NO	0.874	10.065	34.895		1.000				0.221	
6	6 1,2,3,4,6,7,8-HpCDD	1.06e3	1.00	NO	0.899	10.065	38.333	38.33	1.000	1.000	2.5982		0.366	2.60
7	7 OCDD	6.33e3	0.87	NO	0.852	10.065	41.440	41.44	1.000	1.000	21.751		0.792	21.8
8	8 2,3,7,8-TCDF			NO	0.747	10.065	26.019		1.000				0.0584	
9	9 1,2,3,7,8-PeCDF	2.26e2	2.11	YES	0.877	10.065	29.917	29.94	1.000	1.001	0.18309		0.0408	0.150
10	10 2,3,4,7,8-PeCDF			NO	0.962	10.065	30.946		1.001				0.125	
11	11 1,2,3,4,7,8-HxCDF	1.85e2	1.67	YES	0.920	10.065	33.534	33.52	1.000	1.000	0.22775		0.0669	0.191
12	12 1,2,3,6,7,8-HxCDF			NO	0.936	10.065	33.680		1.001				0.0994	
13	13 2,3,4,6,7,8-HxCDF			NO	0.973	10.065	34.382		1.001				0.112	
14	14 1,2,3,7,8,9-HxCDF			NO	0.940	10.065	35.461		1.000				0.154	
15	15 1,2,3,4,6,7,8-HpCDF	2.46e2	0.93	NO	1.05	10.065	37.109	37.12	1.000	1.001	0.47106		0.0891	0.471
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.05	10.065	39.014		1.000				0.162	
17	17 OCDF	2.98e2	0.96	NO	0.771	10.065	41.754	41.78	1.000	1.001	0.90560		0.163	0.906
18	18 13C-2,3,7,8-TCDD	3.42e5	0.76	NO	1.10	10.065	26.624	26.65	1.027	1.028	219.37	110	0.233	
19	19 13C-1,2,3,7,8-PeCDD	1.74e5	0.62	NO	0.864	10.065	30.998	31.10	1.196	1.200	142.46	71.7	0.309	
20	20 13C-1,2,3,4,7,8-HxCDD	1.17e5	1.31	NO	0.746	10.065	34.464	34.47	1.014	1.014	155.52	78.3	0.690	
21	21 13C-1,2,3,6,7,8-HxCDD	1.36e5	1.32	NO	0.847	10.065	34.583	34.59	1.017	1.018	158.84	79.9	0.608	
22	22 13C-1,2,3,7,8,9-HxCDD	1.29e5	1.28	NO	0.868	10.065	34.882	34.88	1.026	1.026	147.04	74.0	0.593	
23	23 13C-1,2,3,4,6,7,8-HpCDD	8.99e4	1.06	NO	0.664	10.065	38.231	38.32	1.125	1.127	134.22	67.5	0.641	
24	24 13C-OCDD	1.36e5	0.89	NO	0.561	10.065	41.178	41.43	1.211	1.219	239.85	60.4	0.915	
25	25 13C-2,3,7,8-TCDF	4.17e5	0.77	NO	1.09	10.065	26.015	26.02	1.003	1.003	175.05	88.1	0.224	
26	26 13C-1,2,3,7,8-PeCDF	2.80e5	1.64	NO	0.809	10.065	29.730	29.91	1.147	1.154	158.93	80.0	0.619	
27	27 13C-2,3,4,7,8-PeCDF	2.47e5	1.60	NO	0.803	10.065	30.690	30.92	1.184	1.193	141.16	71.0	0.624	
28	28 13C-1,2,3,4,7,8-HxCDF	1.75e5	0.51	NO	1.01	10.065	33.536	33.52	0.987	0.986	172.03	86.6	0.770	
29	29 13C-1,2,3,6,7,8-HxCDF	1.91e5	0.50	NO	1.07	10.065	33.665	33.66	0.990	0.990	176.58	88.9	0.725	
30	30 13C-2,3,4,6,7,8-HxCDF	1.58e5	0.50	NO	0.910	10.065	34.355	34.36	1.011	1.011	172.44	86.8	0.856	
31	31 13C-1,2,3,7,8,9-HxCDF	1.37e5	0.50	NO	0.828	10.065	35.433	35.45	1.042	1.043	164.26	82.7	0.940	

Dataset: U:\VG12.PRO\Results\210609R1\210609R1\_8.qld

Last Altered: Wednesday, June 16, 2021 09:28:43 Pacific Daylight Time  
Printed: Wednesday, June 16, 2021 09:30:52 Pacific Daylight Time

Name: 210609R1\_8, Date: 09-Jun-2021, Time: 16:10:23, ID: 2105047-01 USMPDI-028SG-210504 21.37, Description: USMPDI-028SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	9.89e4	0.42	NO	0.661	10.065	37.041	37.09	1.090	1.091	148.31	74.6	0.869	
33	13C-1,2,3,4,7,8,9-HpCDF	8.40e4	0.41	NO	0.566	10.065	38.802	39.00	1.141	1.147	147.25	74.1	1.01	
34	13C-OCDF	1.70e5	0.90	NO	0.663	10.065	41.566	41.75	1.223	1.228	253.85	63.9	0.812	
35	37Cl-2,3,7,8-TCDD	2.78e5			2.07	10.065	26.824	26.67	1.035	1.029	95.308	120	0.0838	
36	13C-1,2,3,4-TCDD	2.81e5	0.79	NO	1.00	10.065	26.070	25.93	1.000	1.000	198.71	100	0.257	
37	13C-1,2,3,4-TCDF	4.33e5	0.79	NO	1.00	10.065	24.760	24.58	1.000	1.000	198.71	100	0.245	
38	13C-1,2,3,4,6,9-HxCDF	2.00e5	0.50	NO	1.00	10.065	34.040	33.99	1.000	1.000	198.71	100	0.778	
39	Total Tetra-Dioxins				0.929	10.065	24.620		0.000				0.0217	
40	Total Penta-Dioxins				0.826	10.065	29.960		0.000				0.0917	
41	Total Hexa-Dioxins				0.877	10.065	33.635		0.000		0.39091		0.124	0.391
42	Total Hepta-Dioxins				0.899	10.065	37.640		0.000		6.0565		0.366	6.06
43	Total Tetra-Furans				0.747	10.065	23.610		0.000		0.00000		0.0272	0.0975
44	1st Func. Penta-Furans				0.877	10.065	27.620		0.000		0.25236		0.0143	0.252
45	Total Penta-Furans				0.877	10.065	29.275		0.000		0.00000		0.0510	0.150
46	Total Hexa-Furans				0.973	10.065	33.555		0.000		0.55976		0.0728	0.751
47	Total Hepta-Furans				1.05	10.065	37.835		0.000		1.2416		0.101	1.24

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\210609R1\210609R1\_8.qld

Last Altered: Wednesday, June 16, 2021 09:28:43 Pacific Daylight Time

Printed: Wednesday, June 16, 2021 09:30:52 Pacific Daylight Time

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Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210609R1\_8, Date: 09-Jun-2021, Time: 16:10:23, ID: 2105047-01 USMPDI-028SG-210504 21.37, Description: USMPDI-028SG-210504

**Tetra-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

**Penta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

**Hexa-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.75	2.710e3	2.896e3	1.175e2	1.019e2	1.15	NO	2.194e2	0.39091	0.39091	0.124

**Hepta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.45	1.202e4	1.181e4	6.908e2	7.155e2	0.97	NO	1.406e3	3.4583	3.4583	0.366
2	1,2,3,4,6,7,8-HpCDD	38.33	1.080e4	9.663e3	5.283e2	5.283e2	1.00	NO	1.057e3	2.5982	2.5982	0.366

**Tetra-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	25.08	1.735e3	1.560e3	8.808e1	8.619e1	1.02	YES	0.000e0	0.00000	0.097478	0.0272

**Penta-Furans function 1**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.41	3.097e3	2.153e3	1.868e2	1.066e2	1.75	NO	2.935e2	0.25236	0.25236	0.0143



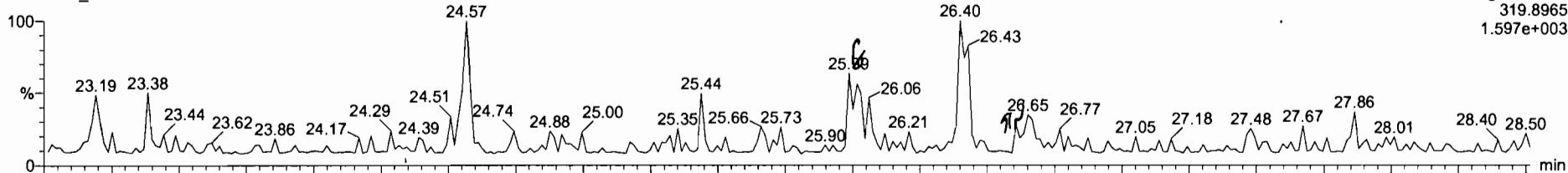
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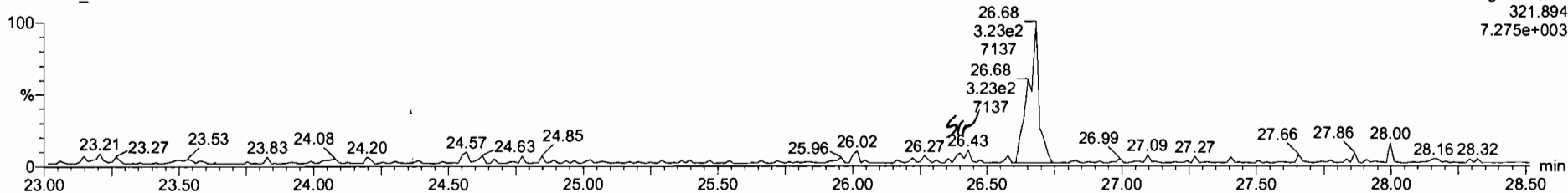
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**2,3,7,8-TCDD**

210609R1\_8

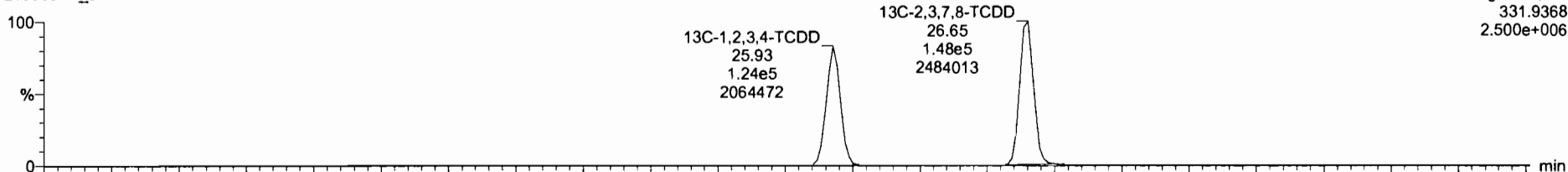


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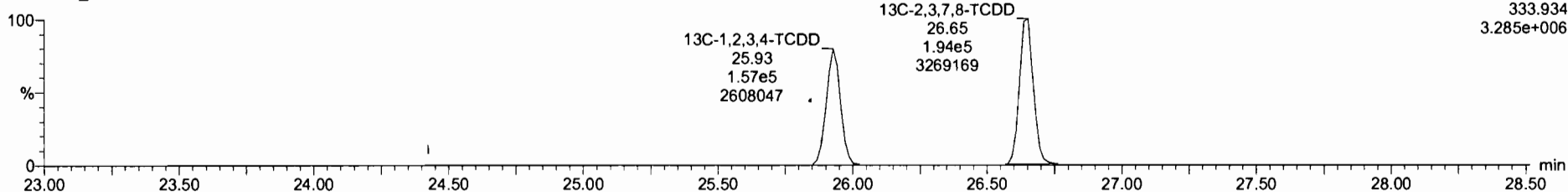


**13C-2,3,7,8-TCDD**

210609R1\_8



210609R1\_8



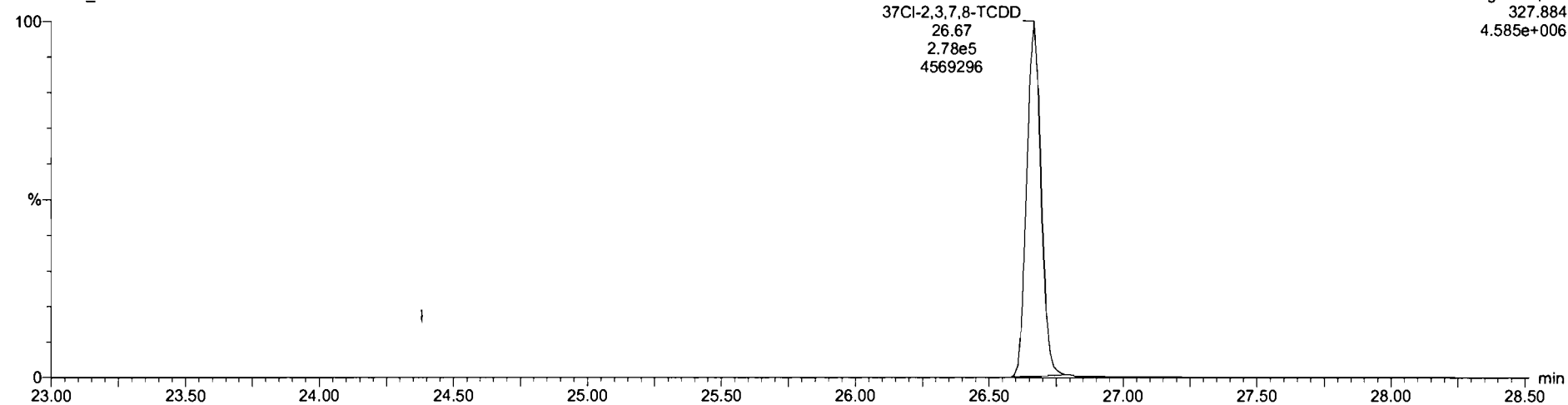
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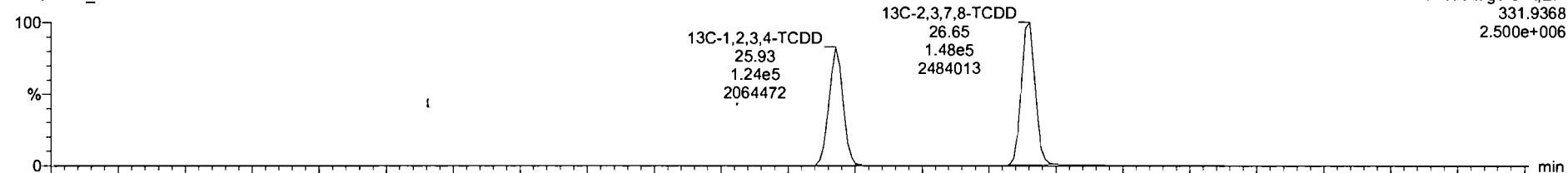
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210609R1\_8

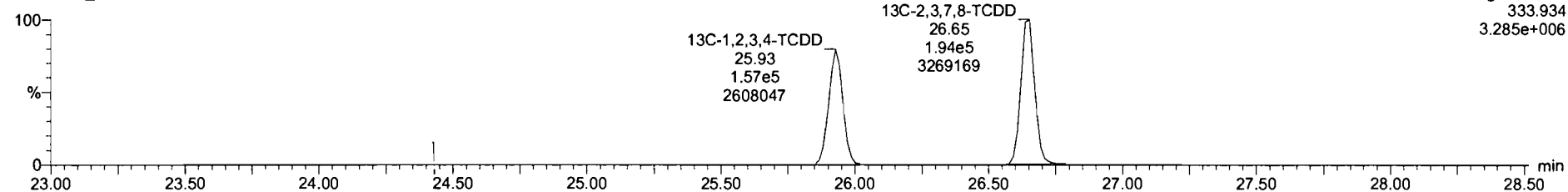


13C-1,2,3,4-TCDD

210609R1\_8



210609R1\_8



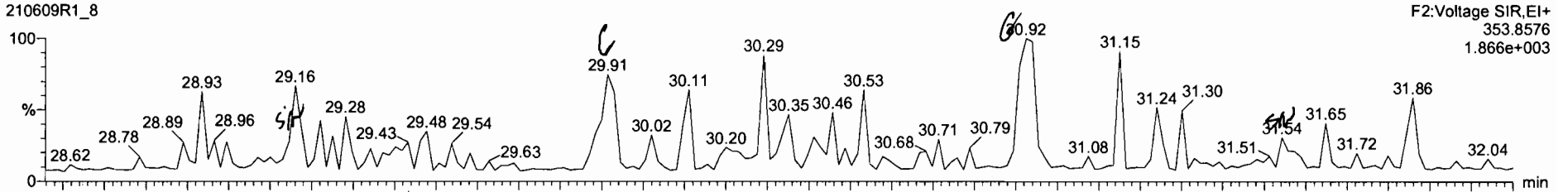
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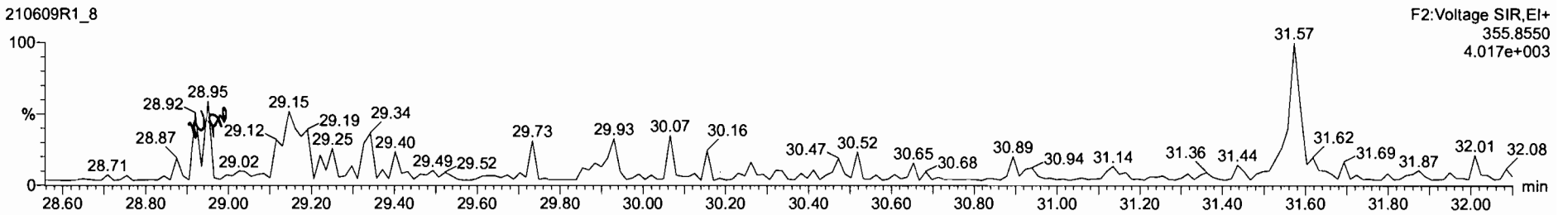
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**1,2,3,7,8-PeCDD**

210609R1\_8

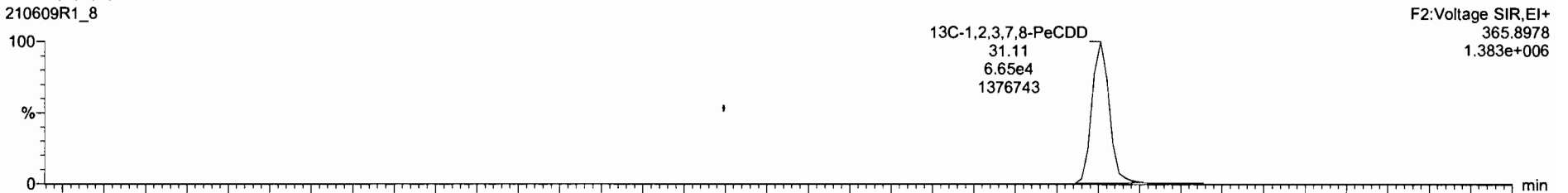


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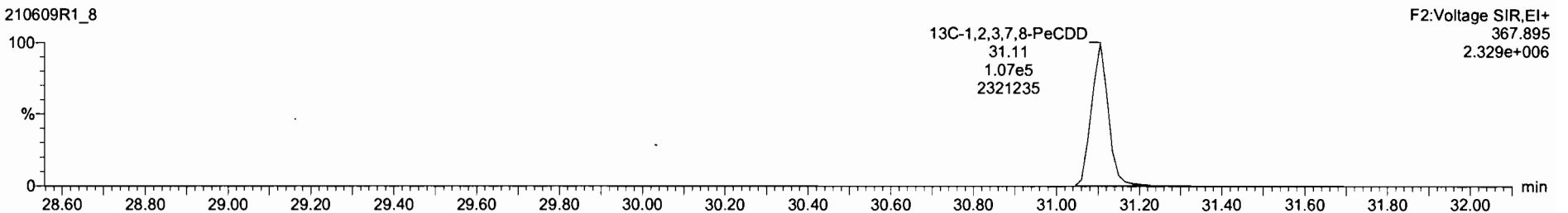


**13C-1,2,3,7,8-PeCDD**

210609R1\_8



210609R1\_8

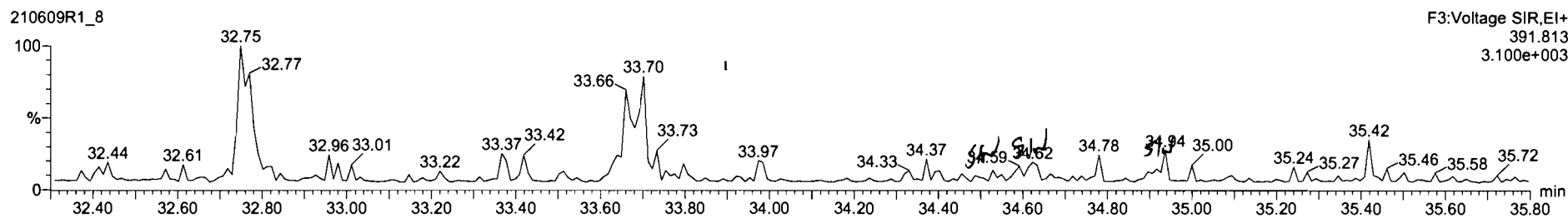
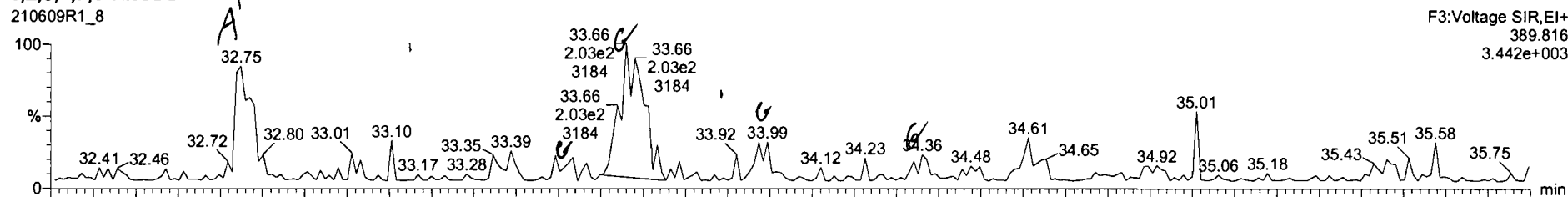


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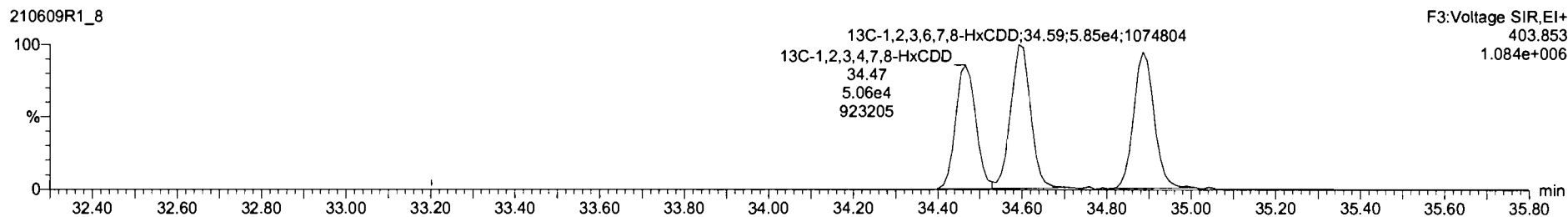
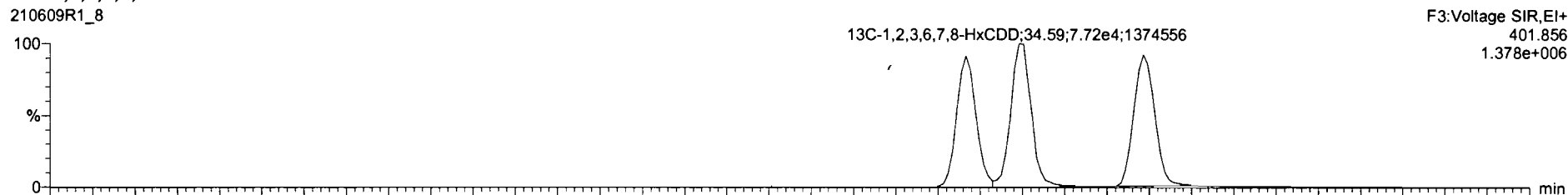
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Name: 210609R1\_8, Date: 09-Jun-2021, Time: 16:10:23, ID: 2105047-01 USMPDI-028SG-210504 21.37, Description: USMPDI-028SG-210504

1,2,3,4,7,8-HxCDD



13C-1,2,3,4,7,8-HxCDD

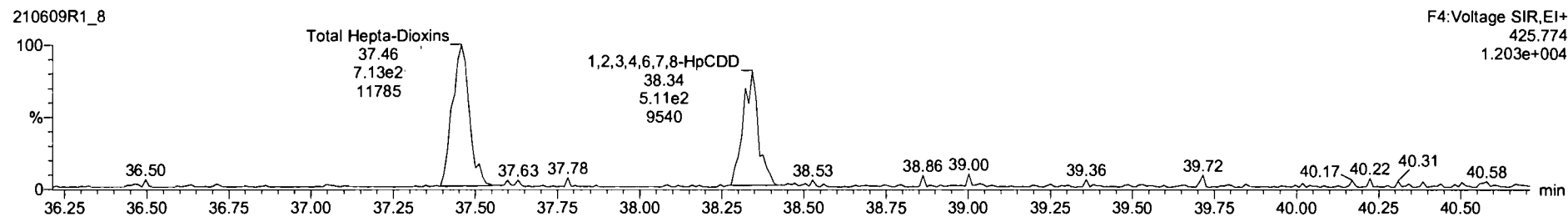
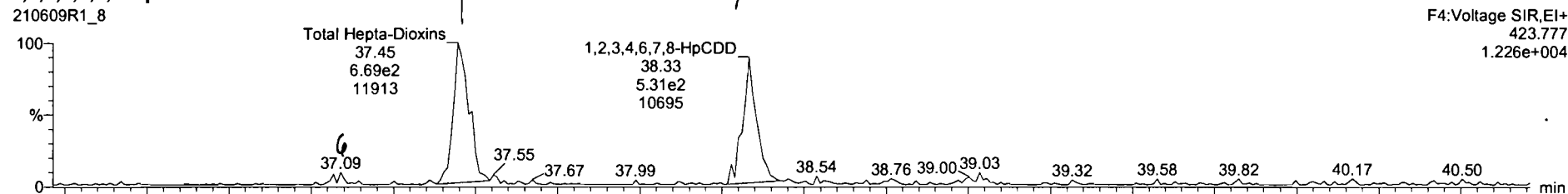


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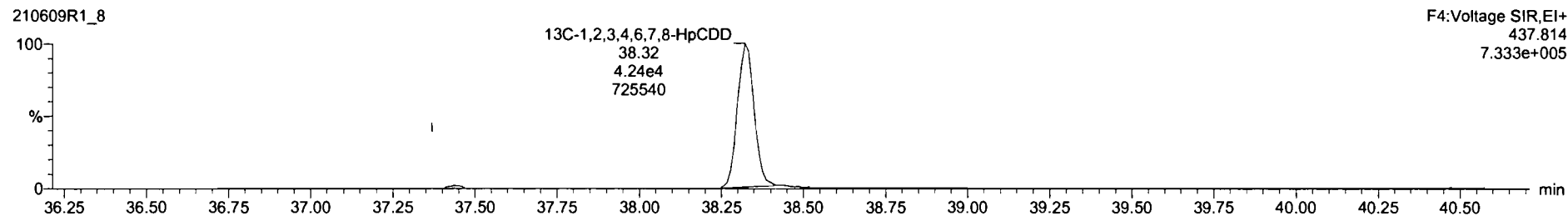
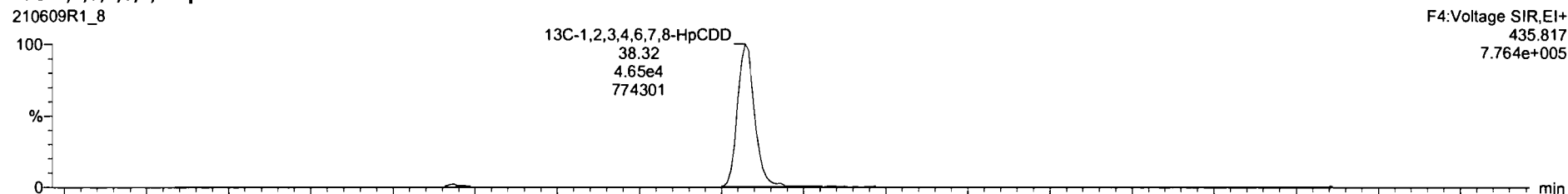
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Printed: Tuesday, June 15, 2021 13:42:14 Pacific Daylight Time

Name: 210609R1\_8, Date: 09-Jun-2021, Time: 16:10:23, ID: 2105047-01 USMPDI-028SG-210504 21.37, Description: USMPDI-028SG-210504

1,2,3,4,6,7,8-HpCDD



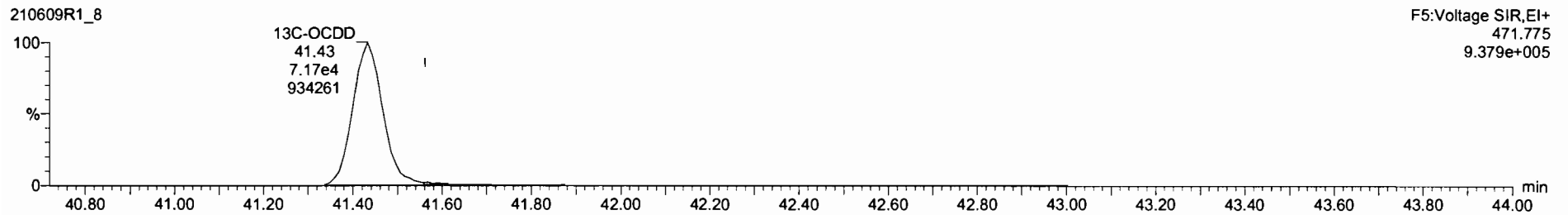
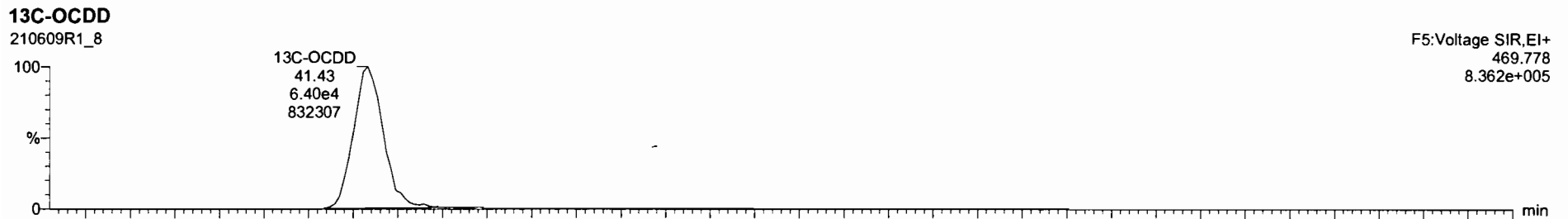
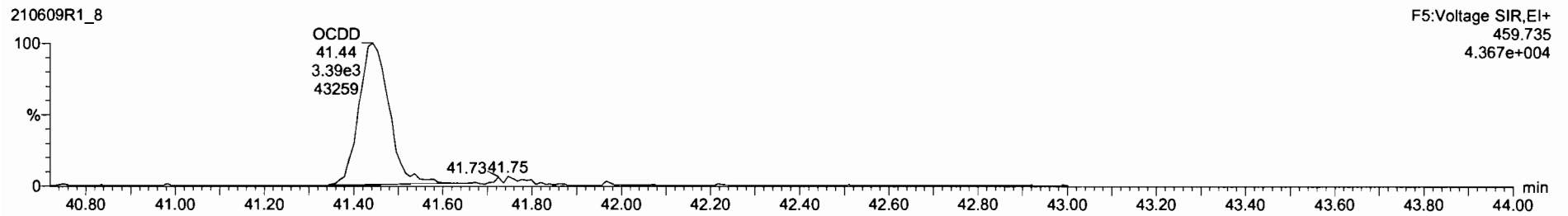
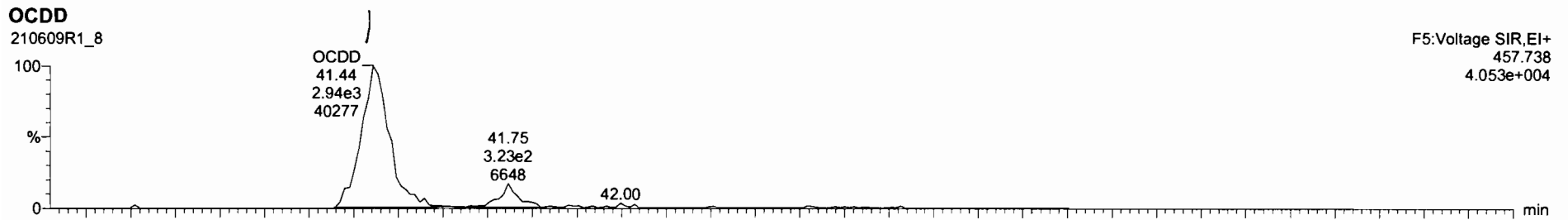
13C-1,2,3,4,6,7,8-HpCDD



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Last Altered: Tuesday, June 15, 2021 13:41:45 Pacific Daylight Time  
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Name: 210609R1\_8, Date: 09-Jun-2021, Time: 16:10:23, ID: 2105047-01 USMPDI-028SG-210504 21.37, Description: USMPDI-028SG-210504

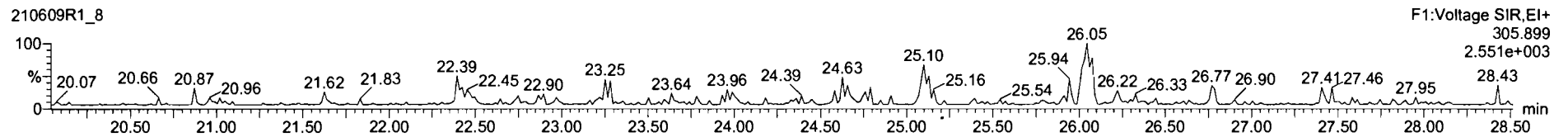
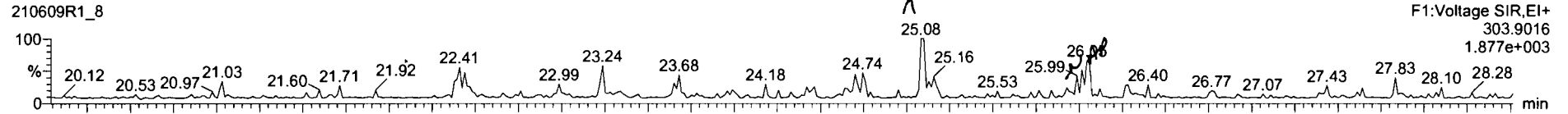


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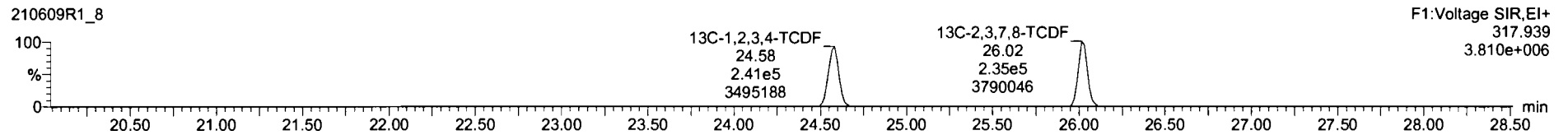
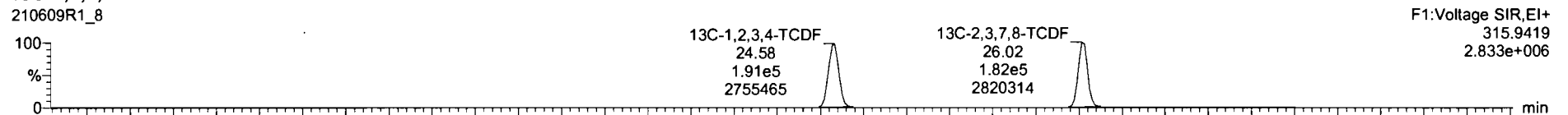
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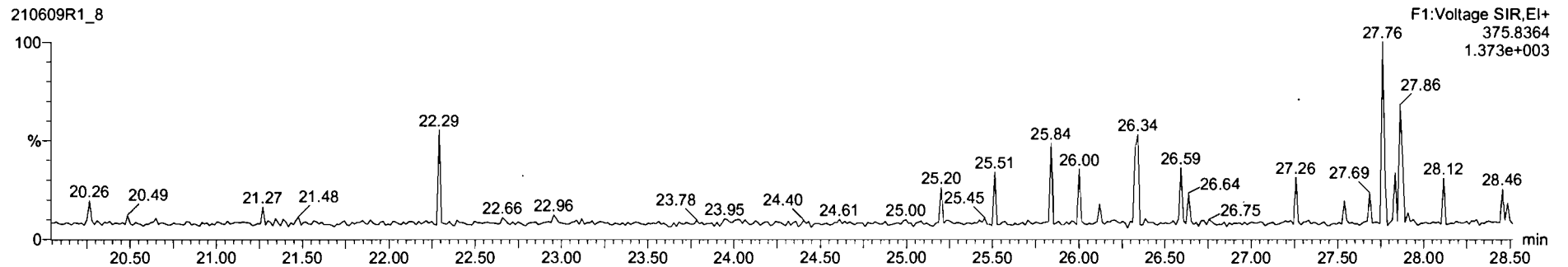
**2,3,7,8-TCDF**



**13C-2,3,7,8-TCDF**

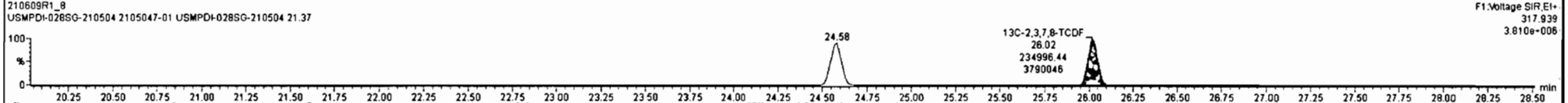
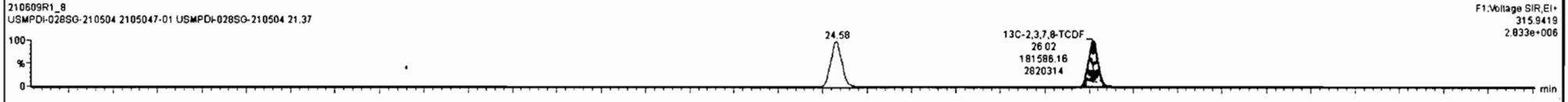
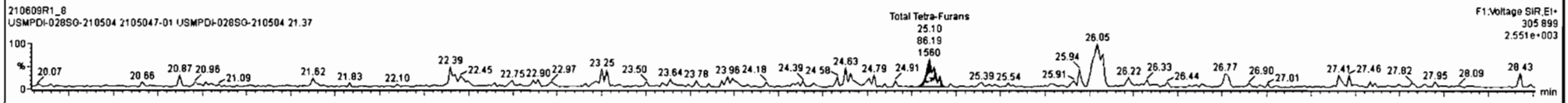
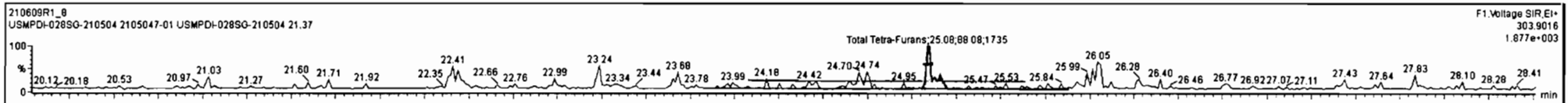


**DPE1**



Name	Resp	RA	n/y	RRF	wVol	RT	RRT	Conc.	%Rec	F	DL	EMPC
39 Total Tetra-Dioxins				0.5291	10.065						0.0217	
40 Total Penta-Dioxins				0.8257	10.065						0.0917	
41 Total Hexa-Dioxins				0.8771	10.065			0.391			0.124	0.391
42 Total Hepta-Dioxins				0.8987	10.065			6.06			0.366	6.06
43 Total Tetra-Furans				0.7466	10.065			0.000			0.0272	0.0975
44 1st Func. Penta-Furans				0.8771	10.065			0.250			0.0143	0.250

Name	RT / s	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	25.08	8.806e1	8.619e1	1.02	YES	0.097478	0.00000





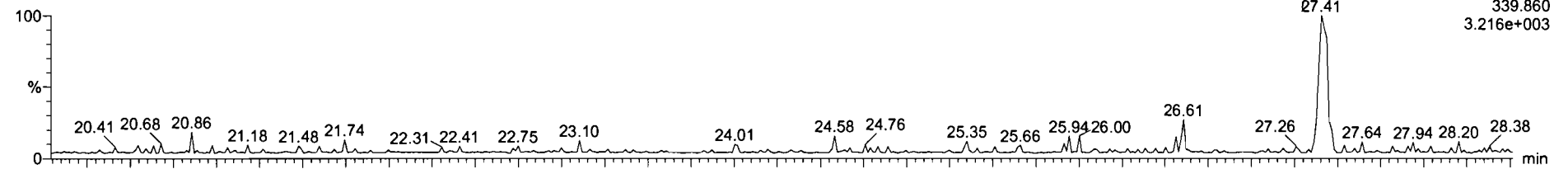
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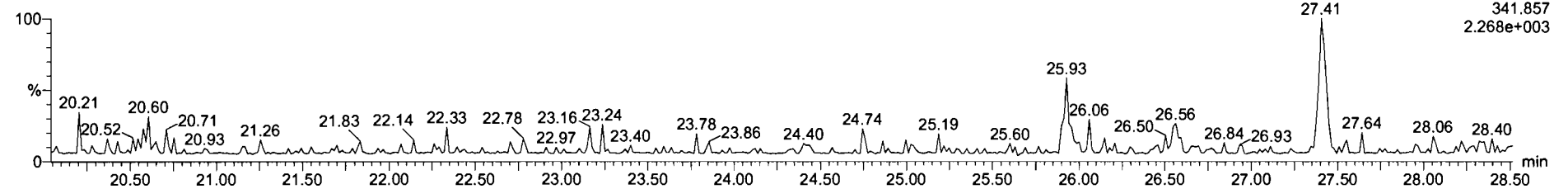
Name: 210609R1\_8, Date: 09-Jun-2021, Time: 16:10:23, ID: 2105047-01 USMPDI-028SG-210504 21.37, Description: USMPDI-028SG-210504

1st Func. Penta-Furans

210609R1\_8

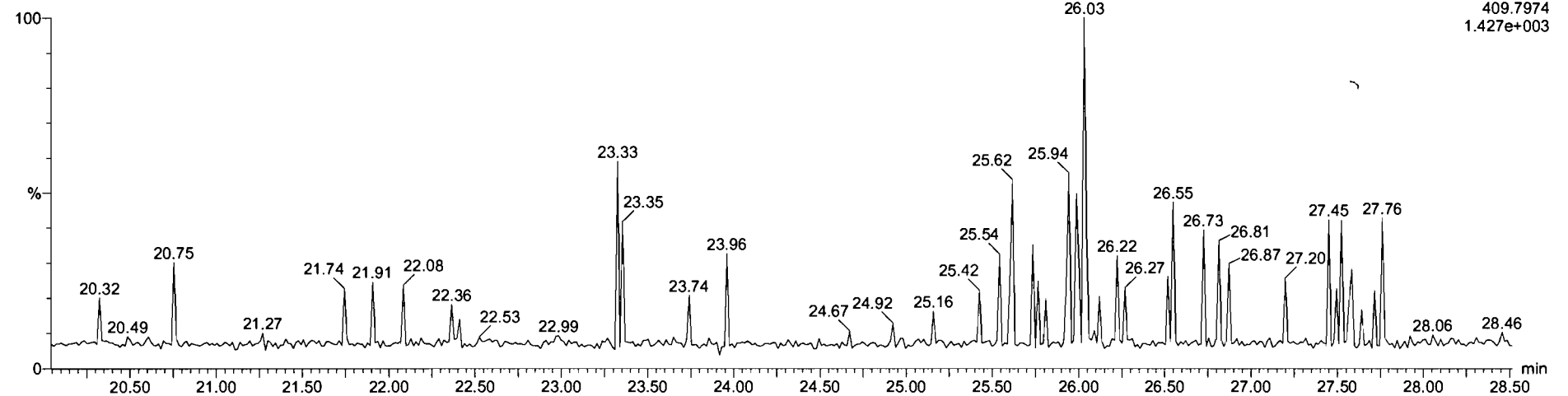


210609R1\_8



DPE6

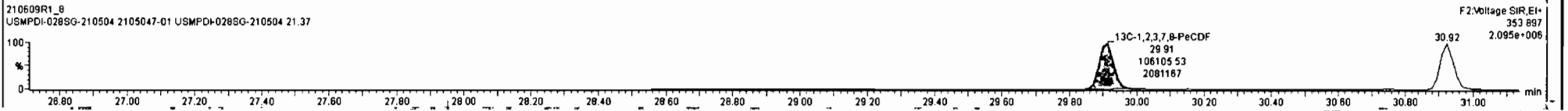
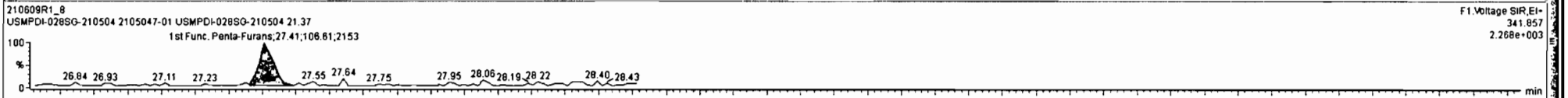
210609R1\_8



210609R1\_8 - 2105047-01 USMPDI-028SG-210504 21.37 - USMPDI-028SG-210504

#	Name	Resp	RA	n/y	RF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
44	1st Func. Penta-Furans				0.8771	10.065			0.252		0.0143	0.252
45	Total Penta-Furans				0.8771	10.065					0.0510	
46	Total Hexa-Furans				0.9725	10.065			0.560		0.0728	0.751
47	Total Hepta-Furans				1.0401	10.065			1.24		0.101	1.24
48	PFK1											
49	PFK2											

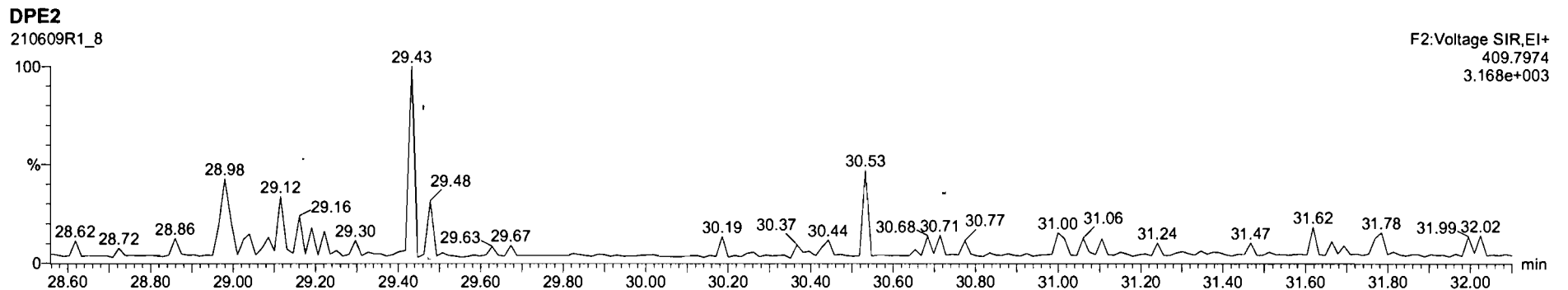
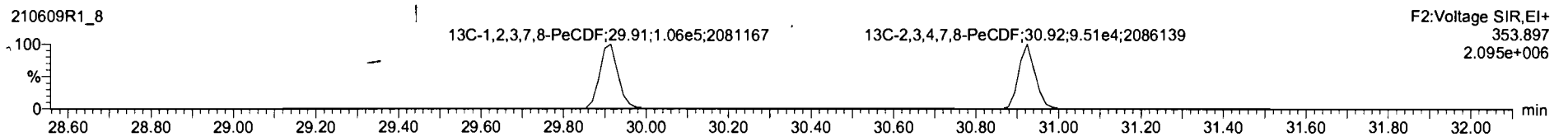
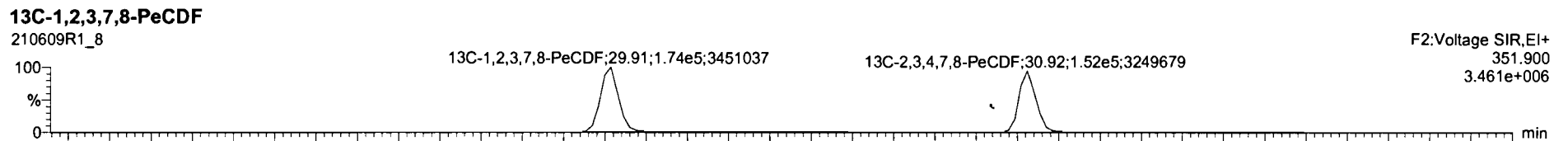
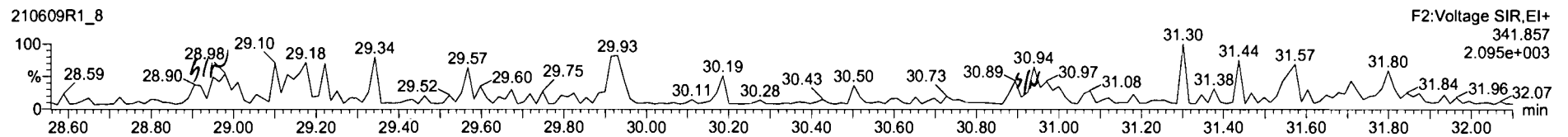
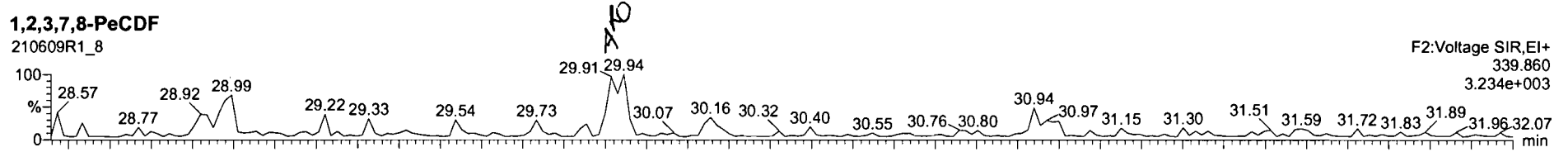
#	Name	RT / s	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	1st Func. Penta-Furans	27.41	1.869e2	1.066e2	1.75	NO	0.25238	0.25238



Dataset: Untitled

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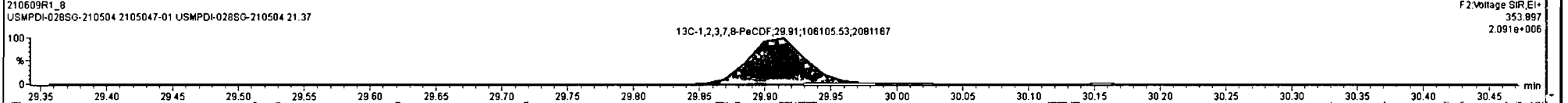
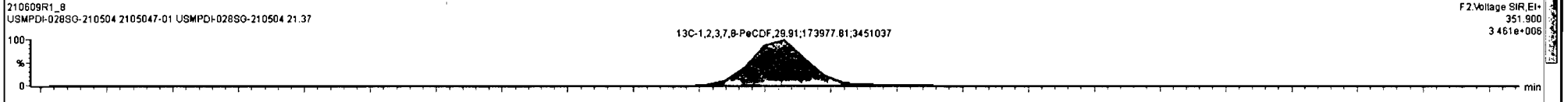
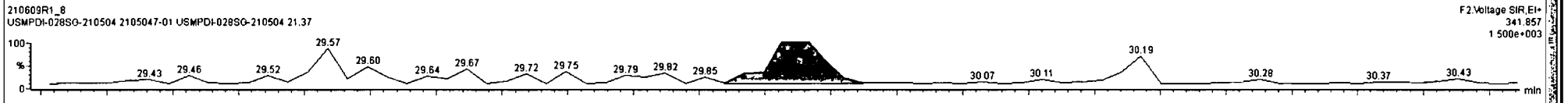
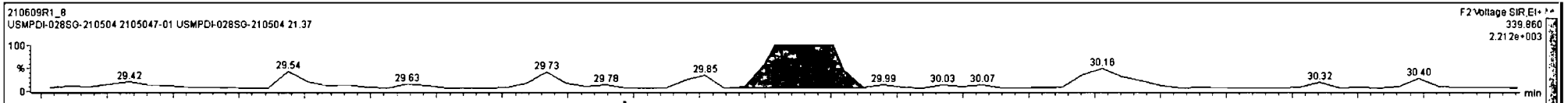
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Name	Resp	RA	n/y	RRF	wt/rd	RT	RRT	Conc.	%Rec	DL	EMPC
44 1st Func. Penta-Furans				0.8771	10.065			0.252		0.0143	0.252
45 Total Penta-Furans				0.8771	10.065			0.000		0.0510	0.150
46 Total Hexa-Furans				0.8725	10.065			0.580		0.0726	0.751
47 Total Hepta-Furans				1.0481	10.065			1.24		0.101	1.24
48 PFK1											
49 PFK2											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,7,8-PeCDF	29.94	1.537e2	7.267e1	2.11	YES	0.14969	0.00000

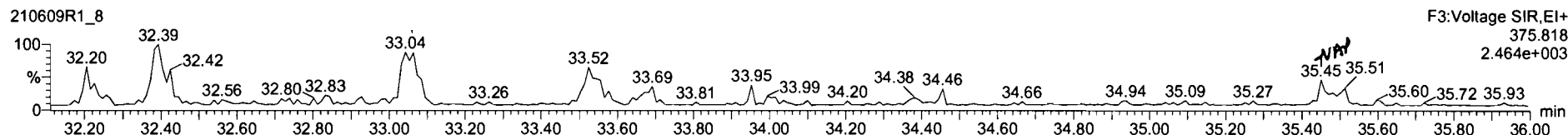
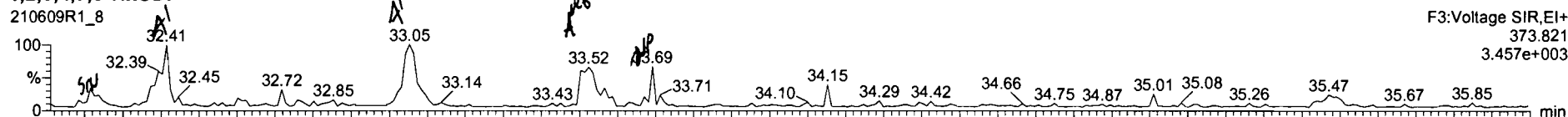


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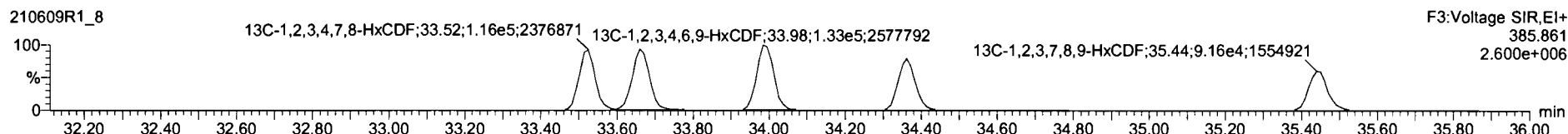
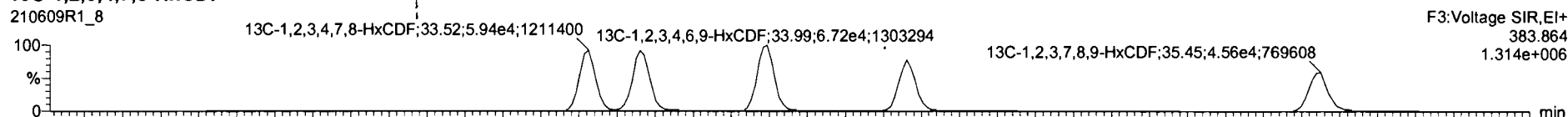
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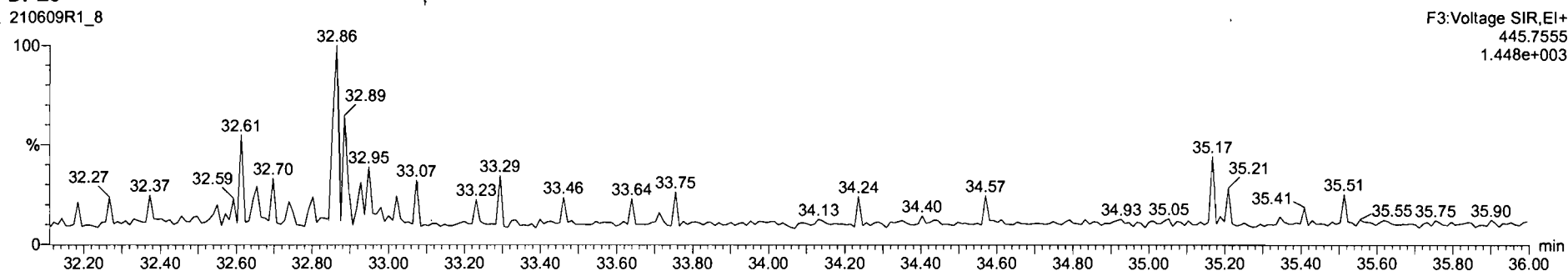
**1,2,3,4,7,8-HxCDF**



**13C-1,2,3,4,7,8-HxCDF**

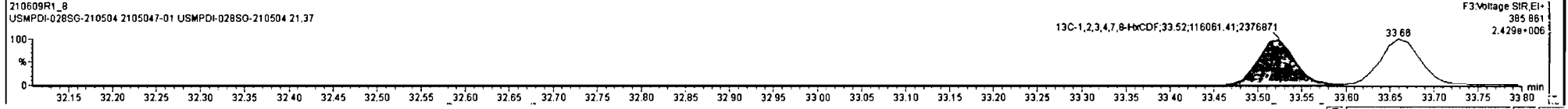
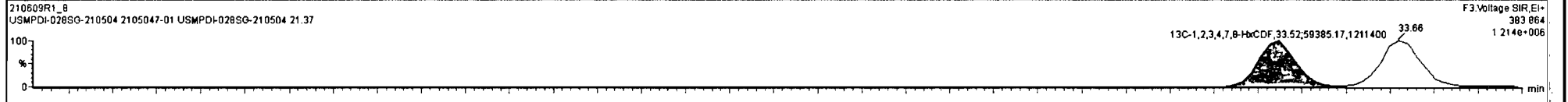
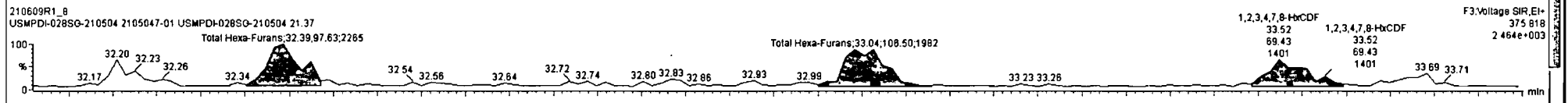
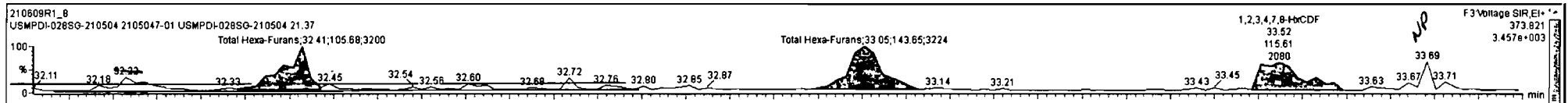


**DPE3**



Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8771	10.065			0.000		0.0510	0.145
46 Total Hexa-Furans				0.8725	10.065			0.560		0.0728	0.847
47 Total Hepta-Furans				1.0481	10.065			1.24		0.101	1.24
48 PFK1											
49 PFK2											
50 PFK3											

Name	RT1	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.41	1.057e2	9.763e1	1.08	NO	0.25098	0.25098
2 Total Hexa-Furans	33.05	1.437e2	1.065e2	1.35	NO	0.30879	0.30879
3 1,2,3,4,7,8-HxCDF	33.52	1.156e2	6.943e1	1.67	YES	0.19143	0.00000
4 1,2,3,7,8,9-HxCDF	35.47	2.290e1	2.517e1	0.91	YES	0.063971	0.00000
5 Total Hexa-Furans	35.49	1.424e1	1.805e1	0.79	YES	0.031763	0.00000

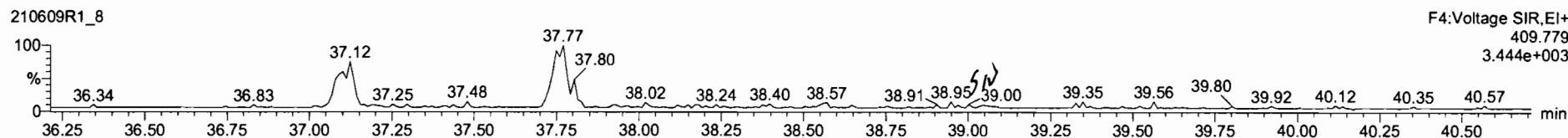
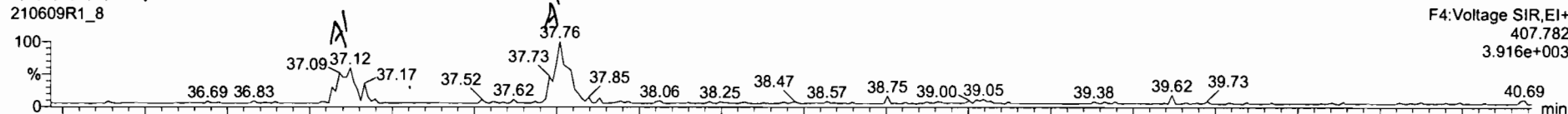


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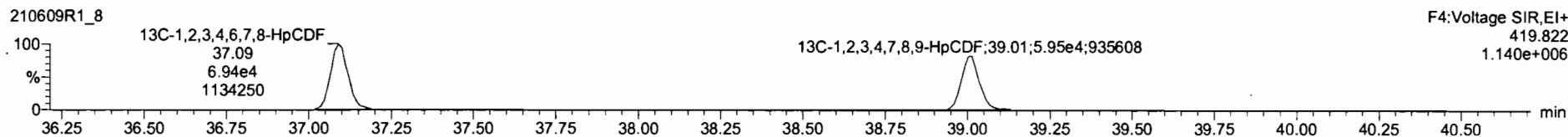
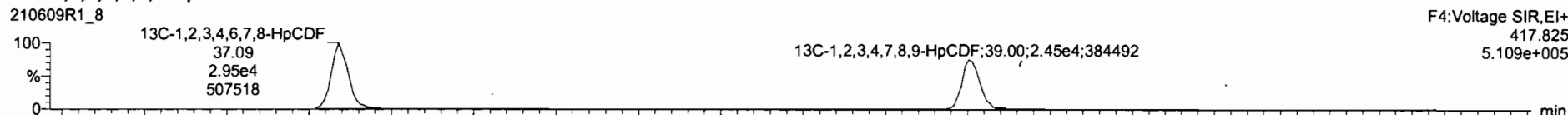
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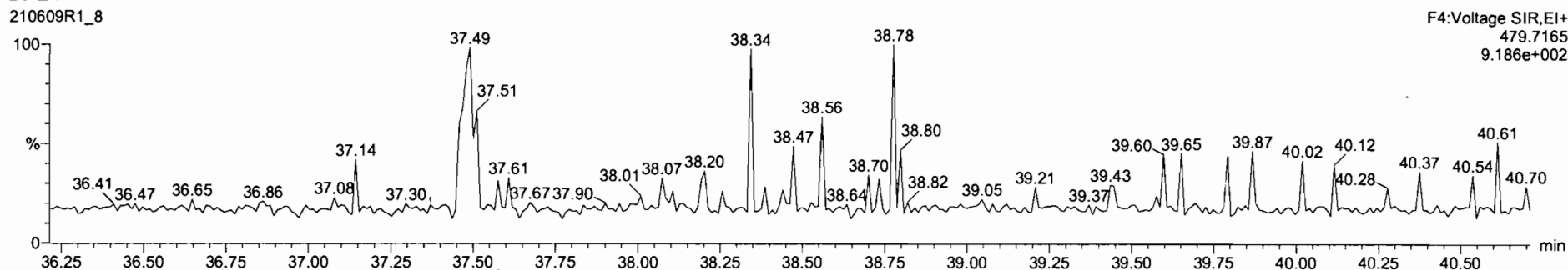
**1,2,3,4,6,7,8-HpCDF**



**13C-1,2,3,4,6,7,8-HpCDF**

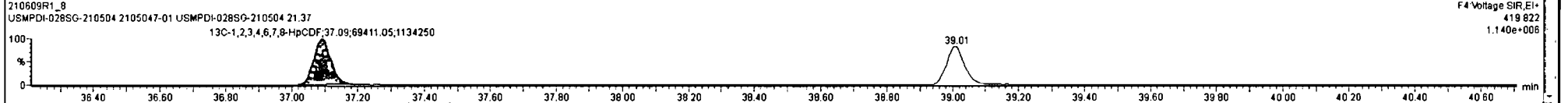
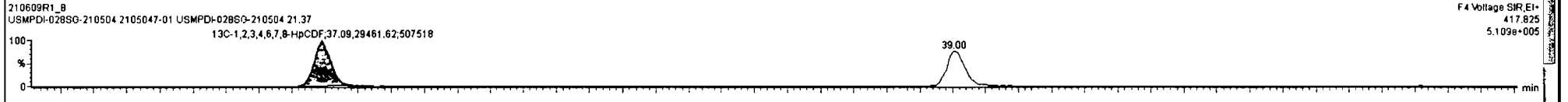
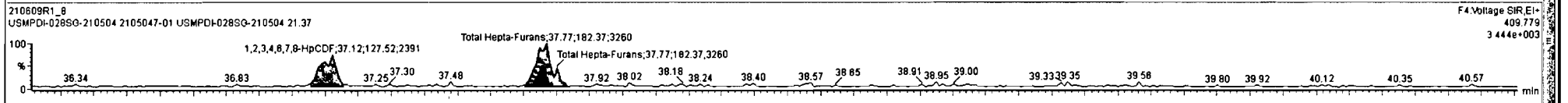
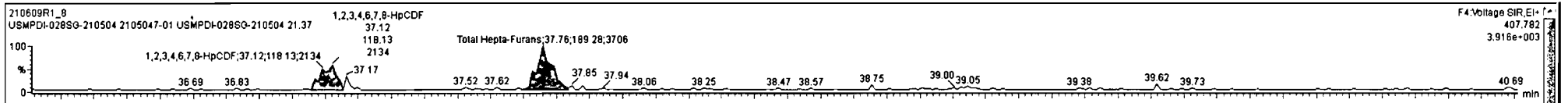


**DPE4**



Name	Resp	RA	nly	RNF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7466	10.065			0.000	0.0272	0.0975	
44 1st Func. Penta-Furans				0.8771	10.065			0.250	0.0143	0.250	
45 Total Penta-Furans				0.8771	10.065			0.000	0.0510	0.145	
46 Total Hexa-Furans				0.9725	10.065			0.560	0.0728	0.847	
47 Total Hepta-Furans				1.0481	10.065			1.24	0.101	1.24	
48 PPK1											

Name	RT /s	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.12	1.181e2	1.275e2	0.93	NO	0.47106	0.47106
2 Total Hepta-Furans	37.76	1.893e2	1.824e2	1.04	NO	0.77052	0.77052

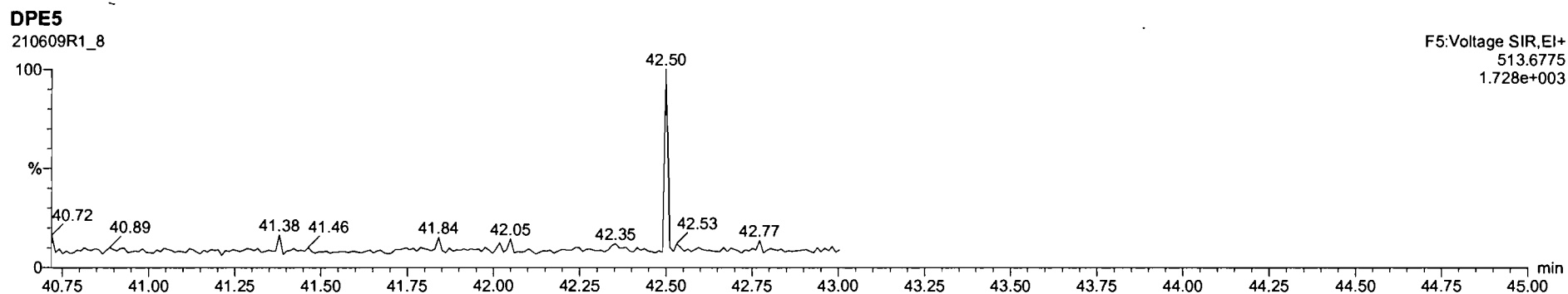
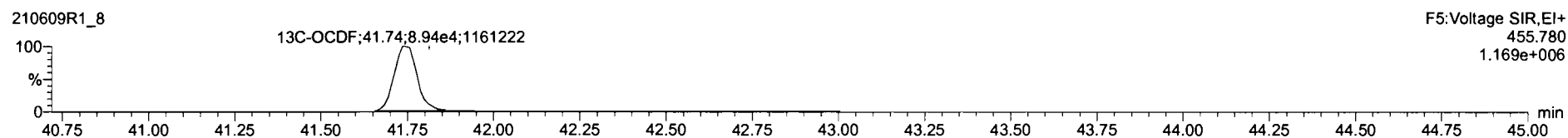
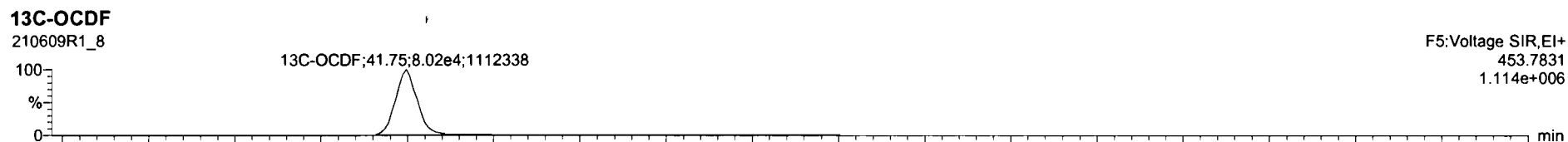
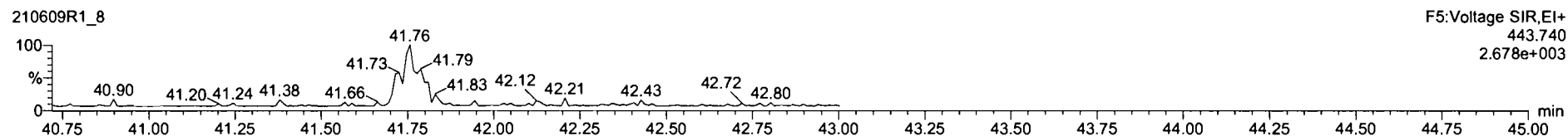
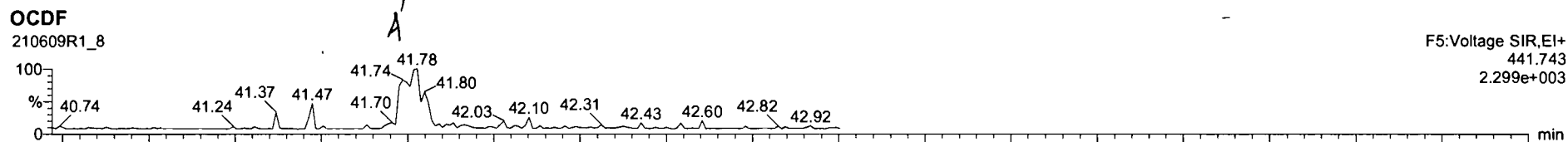




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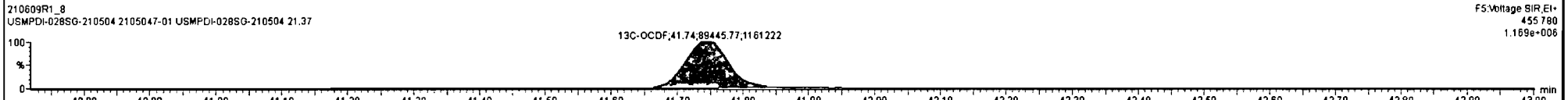
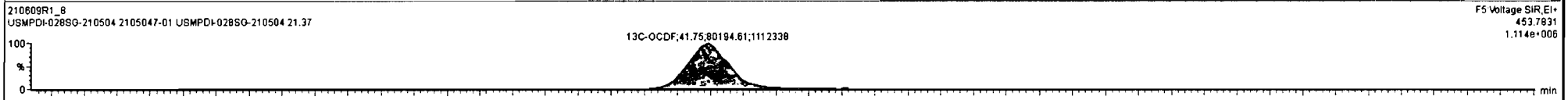
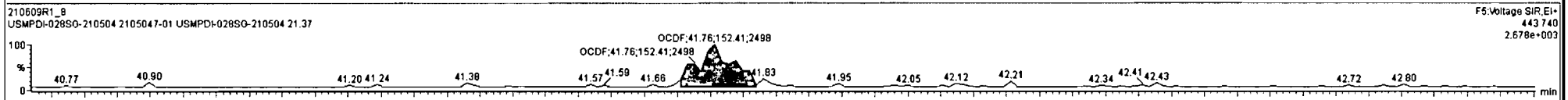
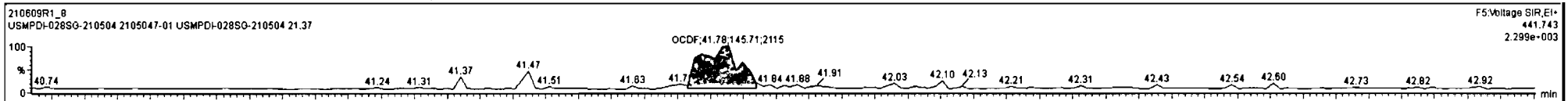
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Name: 210609R1\_8, Date: 09-Jun-2021, Time: 16:10:23, ID: 2105047-01 USMPDI-028SG-210504 21.37, Description: USMPDI-028SG-210504



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
17 OCDF	-2.89e2	0.96	NO	0.7712	10.065	41.78	1.001	0.906	-	0.163	0.906
18 13C-2,3,7,8-TCDD	3.42e5	0.76	NO	1.1040	10.065	26.65	1.028	219	110	0.233	
19 13C-1,2,3,7,8-PeCDD	1.74e5	0.62	NO	0.8636	10.065	31.10	1.200	142	71.7	0.309	
20 13C-1,2,3,4,7,8-HxCDD	1.17e5	1.31	NO	0.7461	10.065	34.47	1.014	156	78.3	0.690	
21 13C-1,2,3,6,7,8-HxCDD	1.36e5	1.32	NO	0.8468	10.065	34.59	1.018	159	79.9	0.806	
22 13C-1,2,3,7,8-HxCDD	1.29e5	1.28	NO	0.8683	10.065	34.88	1.026	147	74.0	0.593	

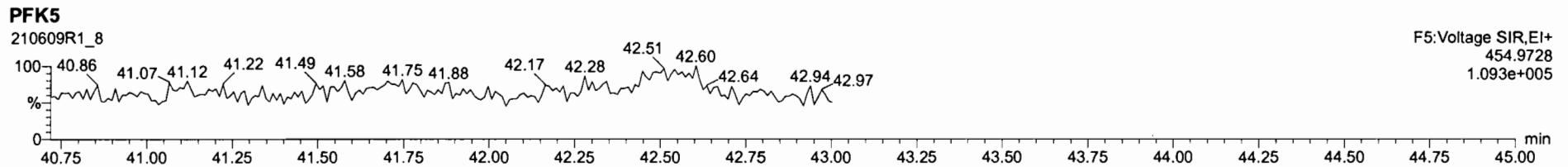
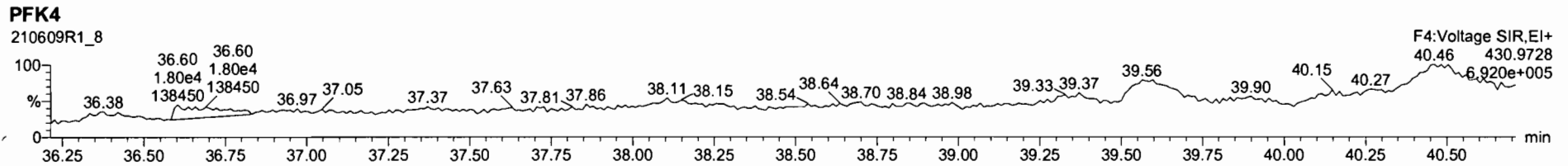
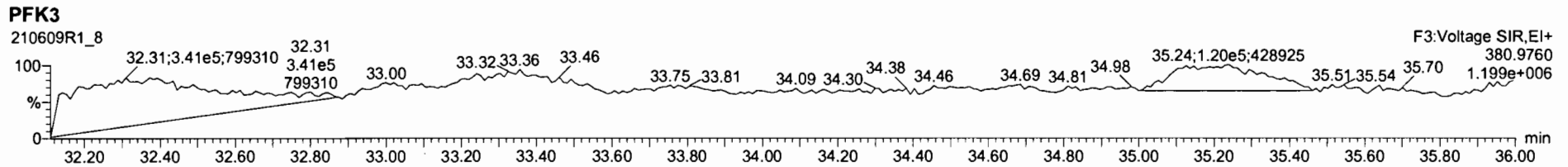
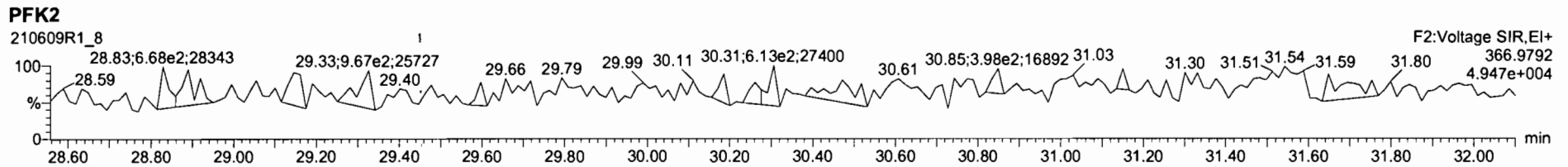
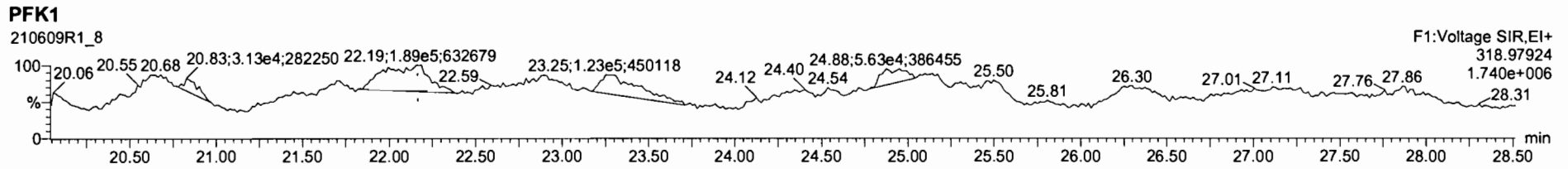
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1							



Dataset: Untitled

Last Altered: Tuesday, June 15, 2021 13:41:45 Pacific Daylight Time  
Printed: Tuesday, June 15, 2021 13:42:14 Pacific Daylight Time

Name: 210609R1\_8, Date: 09-Jun-2021, Time: 16:10:23, ID: 2105047-01 USMPDI-028SG-210504 21.37, Description: USMPDI-028SG-210504



Dataset: U:\VG12.PRO\Results\210609R1\210609R1\_10.qld

Last Altered: Wednesday, June 16, 2021 10:39:49 Pacific Daylight Time  
Printed: Wednesday, June 16, 2021 10:43:14 Pacific Daylight Time

*dy* 06/16/2021

Method: U:\VG12.PRO\MethDB\1613rrt-04-27-21.mdb 27 Apr 2021 17:33:38  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

C106/12/2021

Name: 210609R1\_10, Date: 09-Jun-2021, Time: 17:38:54, ID: 2105047-02 USMPDI-030SG-210504 18.07, Description: USMPDI-030SG-210504

#	Name	Resp.	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.929	10.066	26.669		1.001				0.0541	
2	2 1,2,3,7,8-PeCDD	1.43e2	0.82	YES	0.826	10.066	31.121	31.09	1.001	1.000	0.15963		0.0571	0.143
3	3 1,2,3,4,7,8-HxCDD			NO	0.972	10.066	34.456		1.001				0.176	
4	4 1,2,3,6,7,8-HxCDD	6.51e2	1.19	NO	0.877	10.066	34.592	34.58	1.001	1.000	0.99761		0.176	0.998
5	5 1,2,3,7,8,9-HxCDD	3.28e2	1.59	YES	0.874	10.066	34.863	34.87	1.000	1.001	0.49203		0.184	0.427
6	6 1,2,3,4,6,7,8-HpCDD	9.37e3	1.01	NO	0.899	10.066	38.279	38.28	1.000	1.000	19.533		0.441	19.5
7	7 OCDD	6.06e4	0.89	NO	0.852	10.066	41.409	41.41	1.000	1.000	194.46		1.29	194
8	8 2,3,7,8-TCDF	2.12e3	0.78	NO	0.747	10.066	26.019	26.03	1.000	1.001	1.2018		0.117	1.20
9	9 1,2,3,7,8-PeCDF	1.32e3	1.75	NO	0.877	10.066	29.902	29.91	1.000	1.001	0.95494		0.118	0.955
10	10 2,3,4,7,8-PeCDF	9.24e2	1.35	NO	0.962	10.066	30.931	30.92	1.001	1.000	0.60803		0.0983	0.608
11	11 1,2,3,4,7,8-HxCDF	1.71e3	1.11	NO	0.920	10.066	33.513	33.52	1.000	1.001	1.9059		0.154	1.91
12	12 1,2,3,6,7,8-HxCDF	6.04e2	1.13	NO	0.936	10.066	33.670	33.67	1.001	1.001	0.61649		0.144	0.616
13	13 2,3,4,6,7,8-HxCDF	3.42e2	1.14	NO	0.973	10.066	34.361	34.36	1.001	1.001	0.38592		0.175	0.386
14	14 1,2,3,7,8,9-HxCDF			NO	0.940	10.066	35.430		1.000				0.233	
15	15 1,2,3,4,6,7,8-HpCDF	2.88e3	1.01	NO	1.05	10.066	37.055	37.06	1.000	1.001	4.8386		0.159	4.84
16	16 1,2,3,4,7,8,9-HpCDF	2.94e2	1.35	YES	1.05	10.066	38.950	38.96	1.000	1.001	0.56580		0.168	0.492
17	17 OCDF	3.83e3	0.82	NO	0.771	10.066	41.744	41.76	1.000	1.001	10.096		0.293	10.1
18	18 13C-2,3,7,8-TCDD	3.66e5	0.77	NO	1.10	10.066	26.624	26.64	1.027	1.027	219.16	110	0.191	
19	19 13C-1,2,3,7,8-PeCDD	2.16e5	0.61	NO	0.864	10.066	30.998	31.09	1.196	1.199	165.12	83.1	0.230	
20	20 13C-1,2,3,4,7,8-HxCDD	1.35e5	1.32	NO	0.746	10.066	34.443	34.44	1.014	1.014	162.44	81.8	0.525	
21	21 13C-1,2,3,6,7,8-HxCDD	1.48e5	1.26	NO	0.847	10.066	34.562	34.57	1.017	1.018	156.84	78.9	0.463	
22	22 13C-1,2,3,7,8,9-HxCDD	1.51e5	1.32	NO	0.868	10.066	34.861	34.85	1.026	1.026	156.62	78.8	0.451	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.06e5	1.05	NO	0.664	10.066	38.207	38.27	1.125	1.126	143.56	72.3	0.630	
24	24 13C-OCDD	1.45e5	0.91	NO	0.561	10.066	41.153	41.40	1.211	1.219	232.69	58.6	0.699	
25	25 13C-2,3,7,8-TCDF	4.69e5	0.77	NO	1.09	10.066	26.015	26.02	1.003	1.003	179.73	90.5	0.225	
26	26 13C-1,2,3,7,8-PeCDF	3.14e5	1.63	NO	0.809	10.066	29.730	29.90	1.147	1.153	162.35	81.7	0.552	
27	27 13C-2,3,4,7,8-PeCDF	3.14e5	1.61	NO	0.803	10.066	30.690	30.91	1.184	1.192	163.71	82.4	0.557	
28	28 13C-1,2,3,4,7,8-HxCDF	1.93e5	0.49	NO	1.01	10.066	33.515	33.50	0.987	0.986	171.93	86.5	0.747	
29	29 13C-1,2,3,6,7,8-HxCDF	2.08e5	0.49	NO	1.07	10.066	33.644	33.65	0.990	0.990	174.12	87.6	0.703	
30	30 13C-2,3,4,6,7,8-HxCDF	1.81e5	0.50	NO	0.910	10.066	34.334	34.34	1.011	1.011	179.08	90.1	0.830	
31	31 13C-1,2,3,7,8,9-HxCDF	1.54e5	0.49	NO	0.828	10.066	35.411	35.42	1.042	1.043	167.56	84.3	0.911	

Dataset: U:\VG12.PRO\Results\210609R1\210609R1\_10.qld

Last Altered: Wednesday, June 16, 2021 10:39:49 Pacific Daylight Time  
Printed: Wednesday, June 16, 2021 10:43:14 Pacific Daylight Time

Name: 210609R1\_10, Date: 09-Jun-2021, Time: 17:38:54, ID: 2105047-02 USMPDI-030SG-210504 18.07, Description: USMPDI-030SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.13e5	0.40	NO	0.661	10.066	37.018	37.04	1.090	1.090	153.30	77.2	0.698	
33	13C-1,2,3,4,7,8,9-HpCDF	9.86e4	0.41	NO	0.566	10.066	38.778	38.94	1.141	1.146	156.62	78.8	0.815	
34	13C-OCDF	1.95e5	0.88	NO	0.663	10.066	41.540	41.74	1.223	1.228	264.82	66.6	0.650	
35	37Cl-2,3,7,8-TCDD	2.96e5			2.07	10.066	26.824	26.65	1.035	1.028	94.656	119	0.0456	
36	13C-1,2,3,4-TCDD	3.00e5	0.78	NO	1.00	10.066	26.070	25.93	1.000	1.000	198.69	100	0.211	
37	13C-1,2,3,4-TCDF	4.74e5	0.79	NO	1.00	10.066	24.760	24.57	1.000	1.000	198.69	100	0.246	
38	13C-1,2,3,4,6,9-HxCDF	2.21e5	0.50	NO	1.00	10.066	34.040	33.97	1.000	1.000	198.69	100	0.755	
39	Total Tetra-Dioxins				0.929	10.066	24.620		0.000		0.36703		0.0541	0.648
40	Total Penta-Dioxins				0.826	10.066	29.960		0.000		0.40578		0.0571	0.549
41	Total Hexa-Dioxins				0.877	10.066	33.635		0.000		3.4962		0.185	5.93
42	Total Hepta-Dioxins				0.899	10.066	37.640		0.000		46.132		0.441	46.1
43	Total Tetra-Furans				0.747	10.066	23.610		0.000		2.9548		0.117	3.23
44	1st Func. Penta-Furans				0.877	10.066	27.620		0.000		1.8223		0.0469	1.82
45	Total Penta-Furans				0.877	10.066	29.275		0.000		3.2143		0.113	3.52
46	Total Hexa-Furans				0.973	10.066	33.555		0.000		7.8384		0.167	8.53
47	Total Hepta-Furans				1.05	10.066	37.835		0.000		11.879		0.163	12.4

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\210609R1\210609R1\_10.qld

Last Altered: Wednesday, June 16, 2021 10:39:49 Pacific Daylight Time

Printed: Wednesday, June 16, 2021 10:43:14 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-27-21.mdb 27 Apr 2021 17:33:38

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210609R1\_10, Date: 09-Jun-2021, Time: 17:38:54, ID: 2105047-02 USMPDI-030SG-210504 18.07, Description: USMPDI-030SG-210504

**Tetra-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	23.16	1.945e3	3.836e3	1.251e2	2.079e2	0.60	YES	0.000e0	0.00000	0.16811	0.0541
2	Total Tetra-Dioxins	23.46	1.960e3	1.551e3	1.036e2	1.093e2	0.95	YES	0.000e0	0.00000	0.11308	0.0541
3	Total Tetra-Dioxins	26.37	4.016e3	5.501e3	2.687e2	3.592e2	0.75	NO	6.279e2	0.36703	0.36703	0.0541

**Penta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.92	3.306e3	4.070e3	1.471e2	2.165e2	0.68	NO	3.636e2	0.40578	0.40578	0.0571
2	1,2,3,7,8-PeCDD	31.09	1.537e3	1.551e3	6.453e1	7.851e1	0.82	YES	1.430e2	0.00000	0.14281	0.0571

**Hexa-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.74	1.733e4	1.127e4	8.943e2	5.713e2	1.57	YES	0.000e0	0.00000	2.0043	0.185
2	Total Hexa-Dioxins	33.35	2.892e3	3.147e3	1.426e2	1.177e2	1.21	NO	2.603e2	0.40760	0.40760	0.185
3	Total Hexa-Dioxins	33.66	1.806e4	1.543e4	7.226e2	6.125e2	1.18	NO	1.335e3	2.0910	2.0910	0.185
4	1,2,3,6,7,8-HxCDD	34.58	6.364e3	4.638e3	3.540e2	2.967e2	1.19	NO	6.507e2	0.99761	0.99761	0.176
5	1,2,3,7,8,9-HxCDD	34.87	4.670e3	2.850e3	2.014e2	1.267e2	1.59	YES	3.281e2	0.00000	0.42654	0.184

**Hepta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.39	1.150e5	1.125e5	6.379e3	6.385e3	1.00	NO	1.276e4	26.598	26.598	0.441
2	1,2,3,4,6,7,8-HpCDD	38.28	9.104e4	9.188e4	4.703e3	4.670e3	1.01	NO	9.373e3	19.533	19.533	0.441

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Dataset: U:\VG12.PRO\Results\210609R1\210609R1\_10.qld

Last Altered: Wednesday, June 16, 2021 10:39:49 Pacific Daylight Time

Printed: Wednesday, June 16, 2021 10:43:14 Pacific Daylight Time

Name: 210609R1\_10, Date: 09-Jun-2021, Time: 17:38:54, ID: 2105047-02 USMPDI-030SG-210504 18.07, Description: USMPDI-030SG-210504

**Tetra-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	22.41	5.445e3	5.810e3	3.662e2	4.956e2	0.74	NO	8.618e2	0.48908	0.48908	0.117
2	Total Tetra-Furans	23.22	2.430e3	5.024e3	2.126e2	4.059e2	0.52	YES	0.000e0	0.00000	0.27736	0.117
3	Total Tetra-Furans	23.64	2.306e3	2.599e3	1.259e2	1.540e2	0.82	NO	2.800e2	0.15888	0.15888	0.117
4	Total Tetra-Furans	24.67	3.853e3	3.998e3	2.515e2	3.089e2	0.81	NO	5.604e2	0.31802	0.31802	0.117
5	Total Tetra-Furans	25.10	9.623e3	1.034e4	6.153e2	7.715e2	0.80	NO	1.387e3	0.78705	0.78705	0.117
6	2,3,7,8-TCDF	26.03	1.848e4	2.015e4	9.261e2	1.192e3	0.78	NO	2.118e3	1.2018	1.2018	0.117

**Penta-Furans function 1**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.41	2.681e4	1.691e4	1.538e3	9.856e2	1.56	NO	2.524e3	1.8223	1.8223	0.0469

**Penta-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.97	1.415e4	9.914e3	9.653e2	6.419e2	1.50	NO	1.607e3	1.1604	1.1604	0.113
2	Total Penta-Furans	29.58	3.354e3	4.732e3	2.581e2	2.216e2	1.16	YES	0.000e0	0.00000	0.30656	0.113
3	Total Penta-Furans	29.72	1.647e3	2.204e3	9.919e1	6.969e1	1.42	NO	1.689e2	0.12193	0.12193	0.113
4	1,2,3,7,8-PeCDF	29.91	1.661e4	9.144e3	8.417e2	4.807e2	1.75	NO	1.322e3	0.95494	0.95494	0.118
5	Total Penta-Furans	30.16	7.707e3	3.592e3	3.162e2	1.948e2	1.62	NO	5.111e2	0.36899	0.36899	0.113
6	2,3,4,7,8-PeCDF	30.92	9.965e3	6.656e3	5.314e2	3.925e2	1.35	NO	9.239e2	0.60803	0.60803	0.0983

**Hexa-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.20	8.946e3	8.921e3	4.018e2	2.783e2	1.44	YES	0.000e0	0.00000	0.69124	0.167
2	Total Hexa-Furans	32.37	2.563e4	1.855e4	1.130e3	9.777e2	1.16	NO	2.108e3	2.3372	2.3372	0.167
3	Total Hexa-Furans	33.03	2.682e4	1.950e4	1.322e3	1.017e3	1.30	NO	2.339e3	2.5930	2.5930	0.167
4	1,2,3,4,7,8-HxCDF	33.52	1.844e4	1.810e4	8.984e2	8.090e2	1.11	NO	1.707e3	1.9059	1.9059	0.154
5	1,2,3,6,7,8-HxCDF	33.67	6.842e3	5.587e3	3.202e2	2.840e2	1.13	NO	6.041e2	0.61649	0.61649	0.144
6	2,3,4,6,7,8-HxCDF	34.36	4.000e3	2.550e3	1.822e2	1.601e2	1.14	NO	3.423e2	0.38592	0.38592	0.175

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Dataset: U:\VG12.PRO\Results\210609R1\210609R1\_10.qld

Last Altered: Wednesday, June 16, 2021 10:39:49 Pacific Daylight Time

Printed: Wednesday, June 16, 2021 10:43:14 Pacific Daylight Time

Name: 210609R1\_10, Date: 09-Jun-2021, Time: 17:38:54, ID: 2105047-02 USMPDI-030SG-210504 18.07, Description: USMPDI-030SG-210504

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.06	2.399e4	2.356e4	1.444e3	1.433e3	1.01	NO	2.877e3	4.8386	4.8386	0.159
2	Total Hepta-Furans	37.68	3.783e4	3.800e4	2.025e3	1.899e3	1.07	NO	3.924e3	7.0403	7.0403	0.163
3	1,2,3,4,7,8,9-HpCDF	38.96	3.085e3	2.807e3	1.684e2	1.251e2	1.35	YES	2.935e2	0.00000	0.49197	0.168

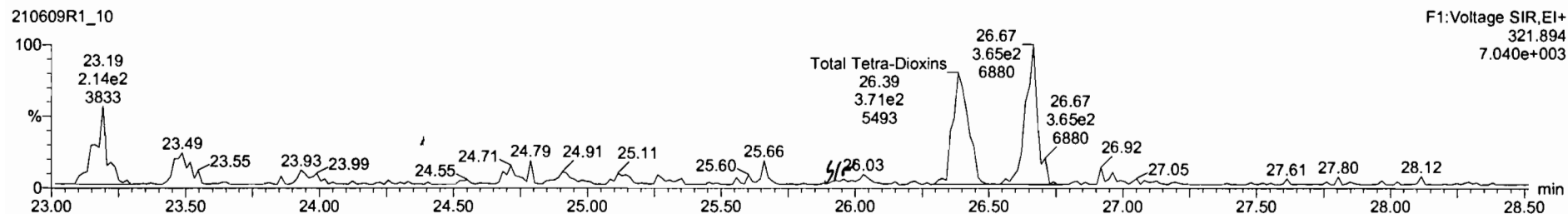
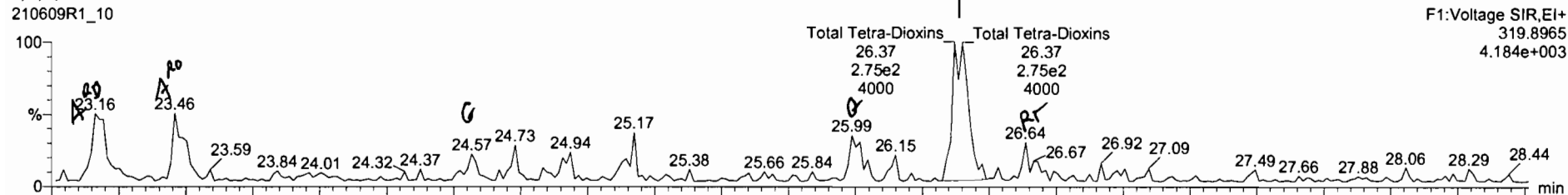


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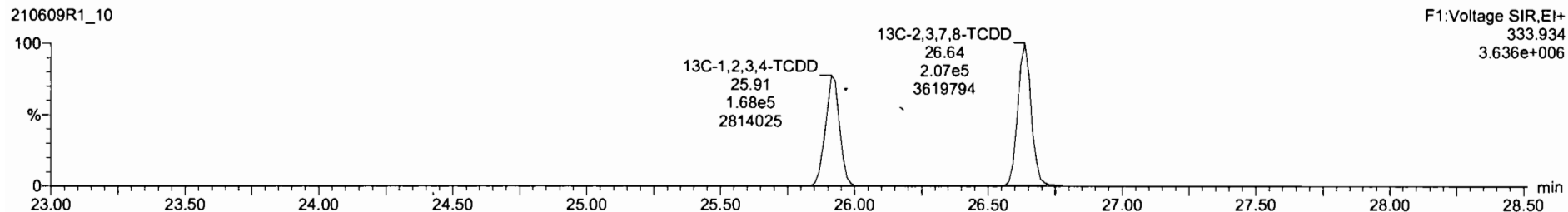
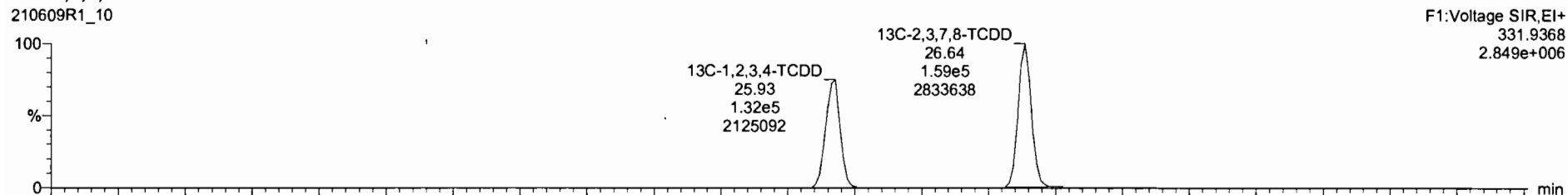
Last Altered: Tuesday, June 15, 2021 13:41:45 Pacific Daylight Time  
Printed: Tuesday, June 15, 2021 13:42:14 Pacific Daylight Time

Name: 210609R1\_10, Date: 09-Jun-2021, Time: 17:38:54, ID: 2105047-02 USMPDI-030SG-210504 18.07, Description: USMPDI-030SG-210504

### 2,3,7,8-TCDD

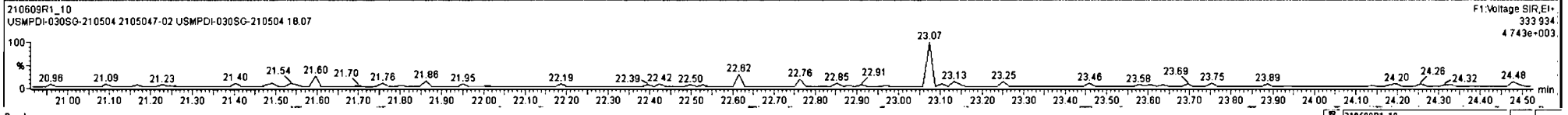
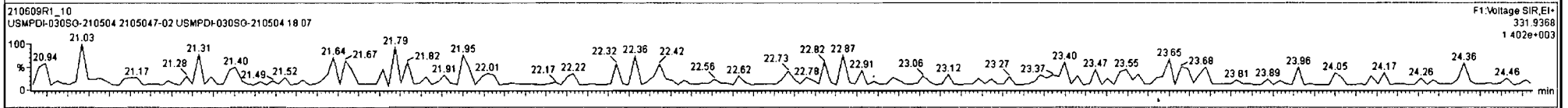
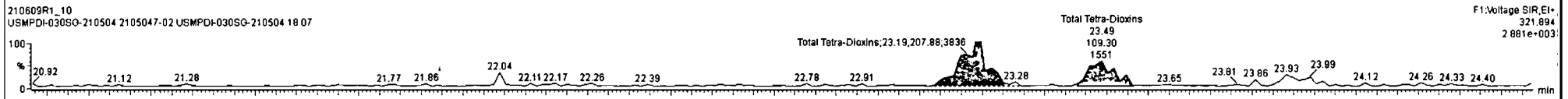
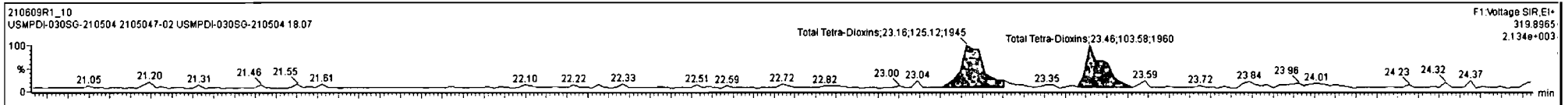


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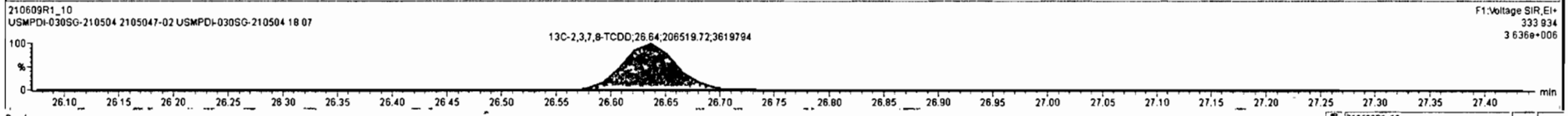
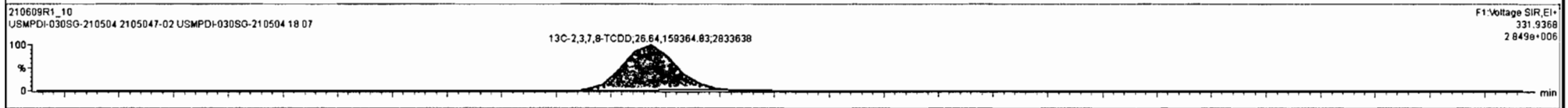
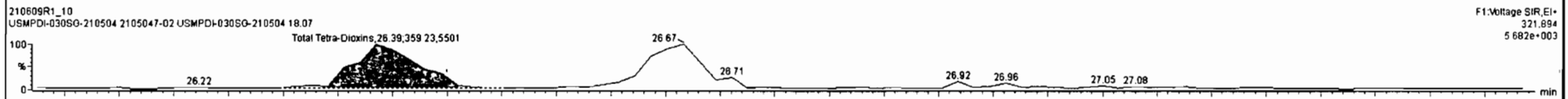
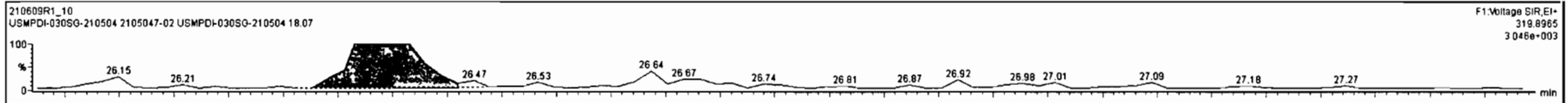
Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec.	DL	EMPC
39 Total Tetra-Dioxins				0.9291	10.066			0.375		0.0541	0.556
40 Total Penta-Dioxins				0.8257	10.066			0.406		0.0571	0.549
41 Total Hexa-Dioxins				0.8771	10.066			1.41		0.185	6.89
42 Total Hepta-Dioxins				0.8987	10.066			46.1		0.441	46.1
43 Total Tetra-Furane				0.7466	10.066			2.95		0.117	3.23
44 1st Func. Penta-Furane				0.8771	10.066			1.82		0.0469	1.82

Name	RT / s	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Dioxins	23.16	1.251e2	2.079e2	0.60	YES	0.16811	0.00000
2 Total Tetra-Dioxins	23.46	1.036e2	1.093e2	0.95	YES	0.11308	0.00000
3 Total Tetra-Dioxins	26.37	2.763e2	3.634e2	0.77	NO	0.37507	0.37507



Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9291	10.066			0.367	0.0541	0.648	
40 Total Penta-Dioxins				0.6257	10.066			0.406	0.0571	0.549	
41 Total Hexa-Dioxins				0.8771	10.066			1.41	0.195	6.89	
42 Total Hepta-Dioxins				0.8987	10.066			46.1	0.441	46.1	
43 Total Tetra-Furans				0.7466	10.066			2.95	0.117	3.23	
44 1st Func. Penta-Furans				0.8771	10.066			1.82	0.0469	1.82	

Name	RT / s	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Dioxins	23.16	1.251e2	2.079e2	0.80	YES	0.18811	0.00000
2 Total Tetra-Dioxins	23.46	1.036e2	1.093e2	0.95	YES	0.11308	0.00000
3 Total Tetra-Dioxine	26.37	2.687e2	3.592e2	0.75	NO	0.36703	0.36703



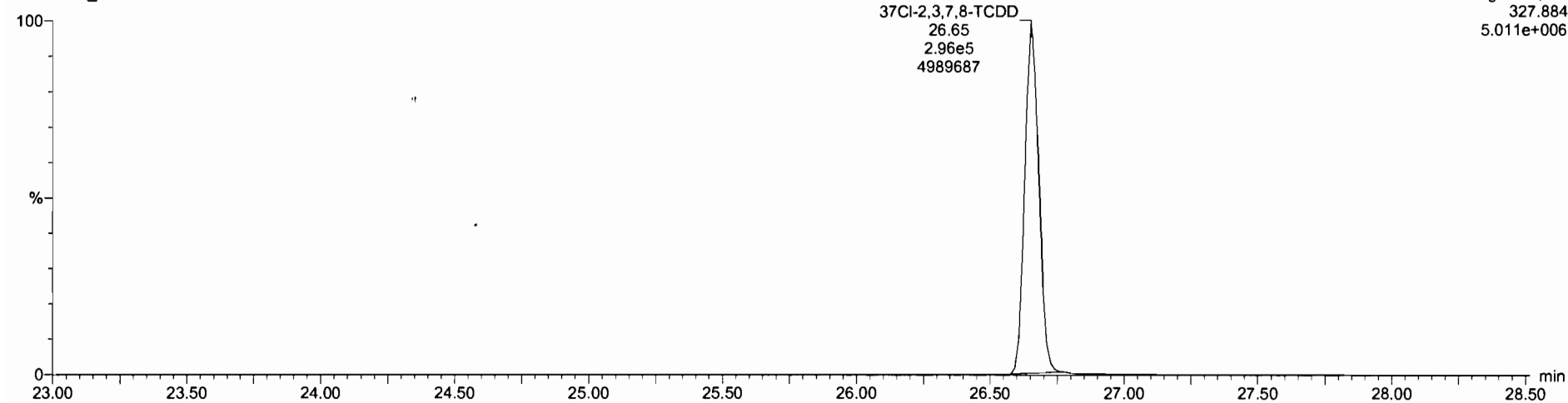
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Printed: Tuesday, June 15, 2021 13:42:14 Pacific Daylight Time

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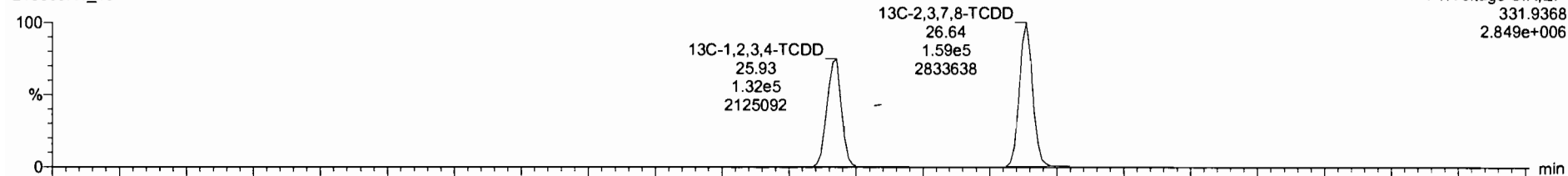
**37Cl-2,3,7,8-TCDD**

210609R1\_10

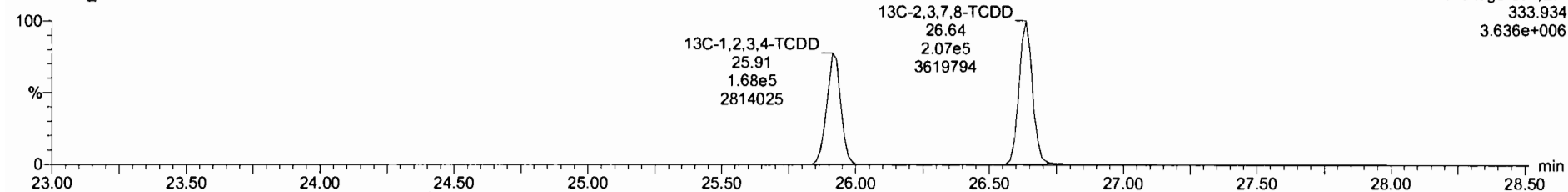


**13C-1,2,3,4-TCDD**

210609R1\_10



210609R1\_10



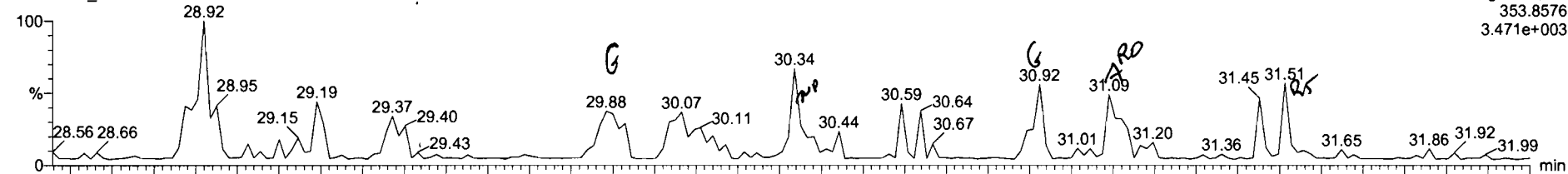
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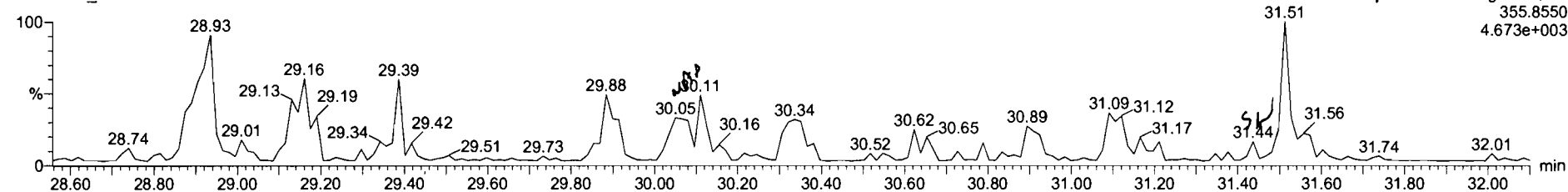
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1,2,3,7,8-PeCDD

210609R1\_10

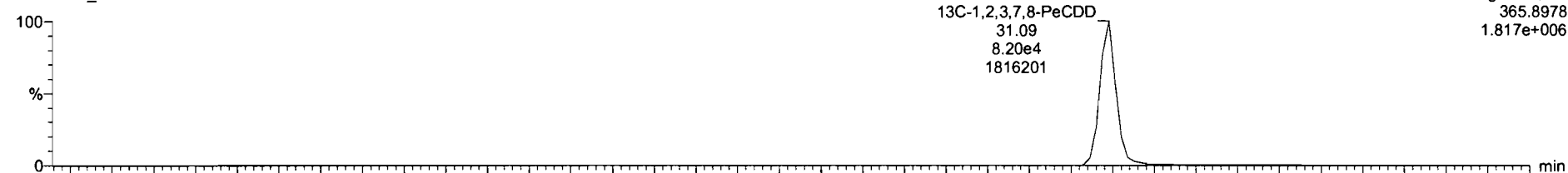


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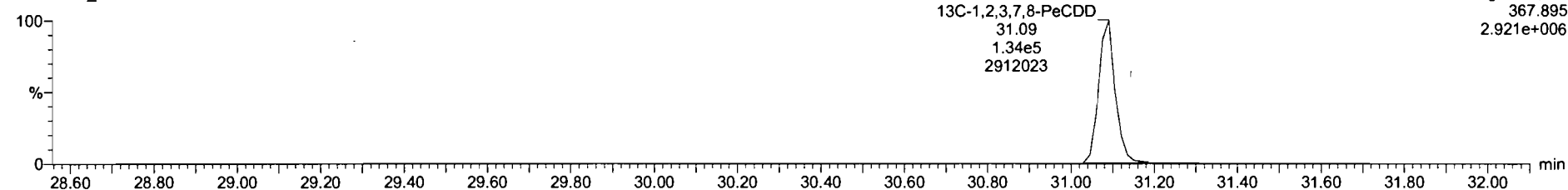


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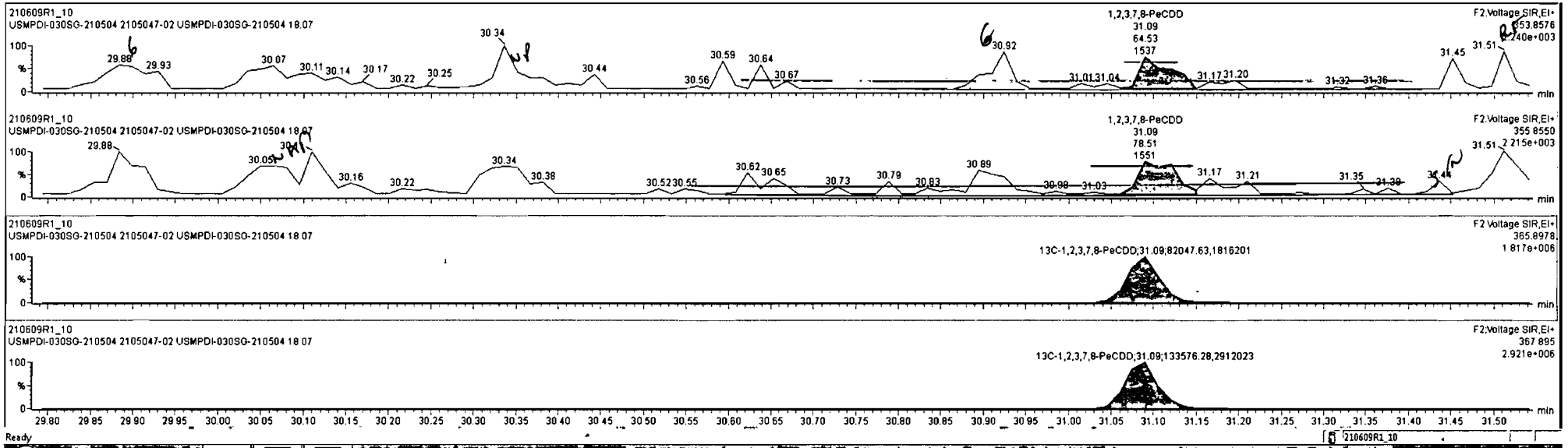
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210609R1\_10 - 2105047-02 USMPDI-030SG-210504 18.07 - USMPDI-030SG-210504

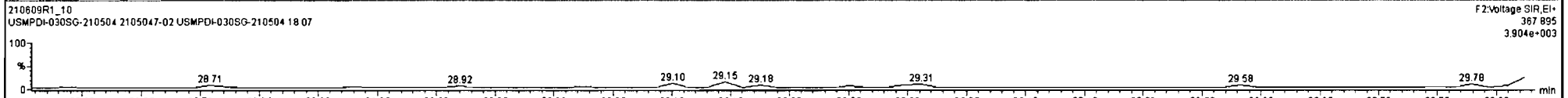
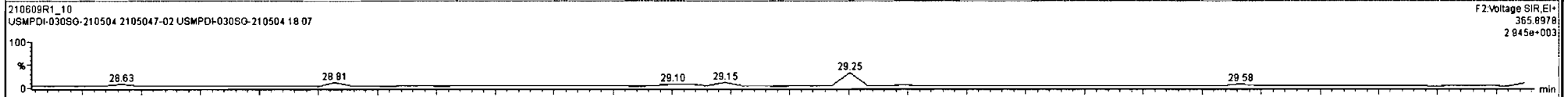
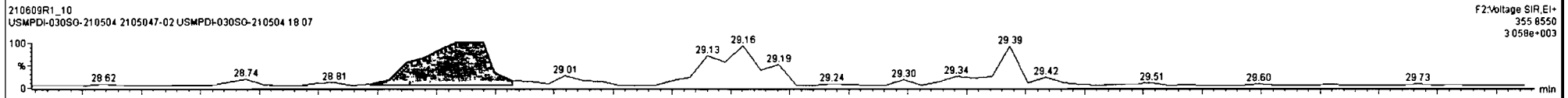
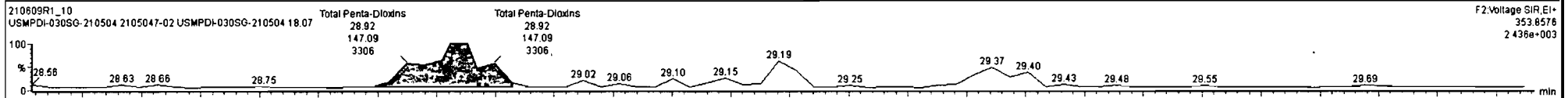
Name	Resp	RA	n/y	RRF	w/Aol	RT	RRT	Conc.	%Rec	* DL	EMPC
38 Total Tetra-Dioxins				0.9291	10.068			0.367		0.0541	0.648
40 Total Penta-Dioxins				0.8257	10.068			0.406		0.0571	0.549
41 Total Hexa-Dioxins				0.8771	10.068			1.41		0.185	6.89
42 Total Hepta-Dioxins				0.8987	10.068			46.1		0.441	46.1
43 Total Tetra-Furans				0.7466	10.068			2.95		0.117	3.23
44 1st Func. Penta-Furans				0.8771	10.068			1.82		0.0469	1.82

Name	RT (s)	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Dioxins	29.92	1.471e2	2.165e2	0.68	NO	0.40578	0.40578
2 1,2,3,7,8-PeCDD	31.09	6.453e1	7.851e1	0.82	YES	0.14261	0.00000



#	Name	Resp	RA	n/y	RRF	w/Aval	RT	RRT	Conc.	%Rec	DL	EMPC
39	Total Tetra-Dioxins				0.9291	10.068			0.367		0.0541	0.548
40	Total Penta-Dioxins				0.8257	10.068			0.406		0.0571	0.549
41	Total Hexa-Dioxins				0.8771	10.068			1.41		0.185	6.89
42	Total Hepta-Dioxins				0.8987	10.068			46.1		0.441	46.1
43	Total Tetra-Furans				0.7466	10.068			2.95		0.117	3.23
44	11st Func. Penta-Furans				0.8771	10.068			1.82		0.0469	1.82

#	Name	RT / g	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Penta-Dioxins	28.92	1.471e2	2.165e2	0.68	NO	0.40578	0.40578
2	1,2,3,7,8-PeCDD	31.09	6.453e1	7.851e1	0.82	YES	0.14281	0.00000

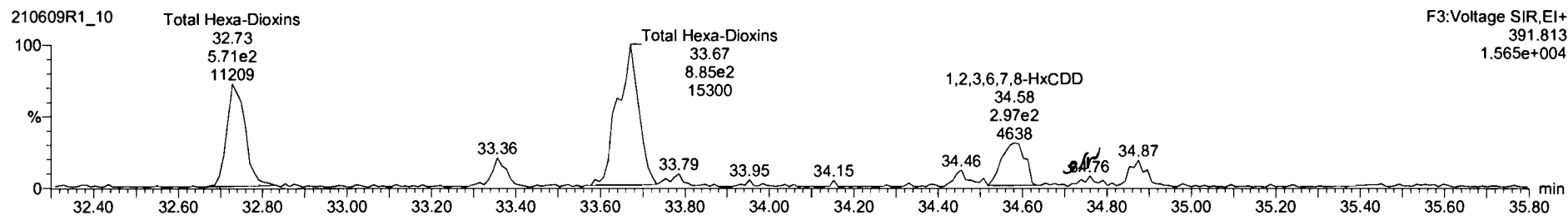
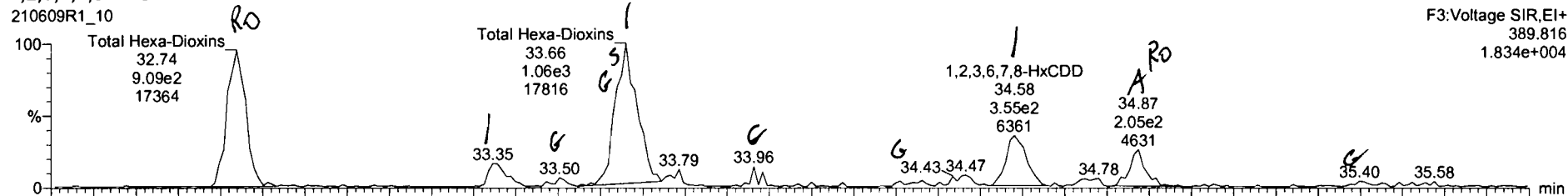


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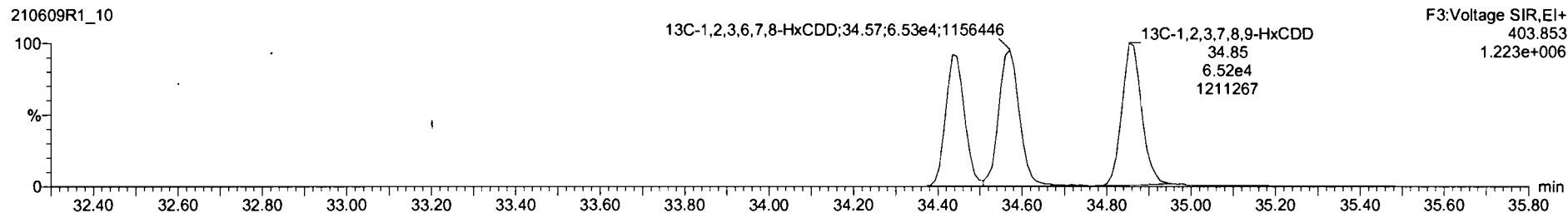
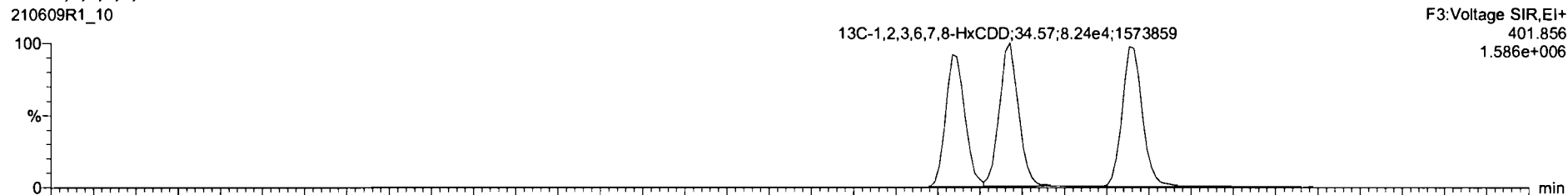
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Name: 210609R1\_10, Date: 09-Jun-2021, Time: 17:38:54, ID: 2105047-02 USMPDI-030SG-210504 18.07, Description: USMPDI-030SG-210504

1,2,3,4,7,8-HxCDD



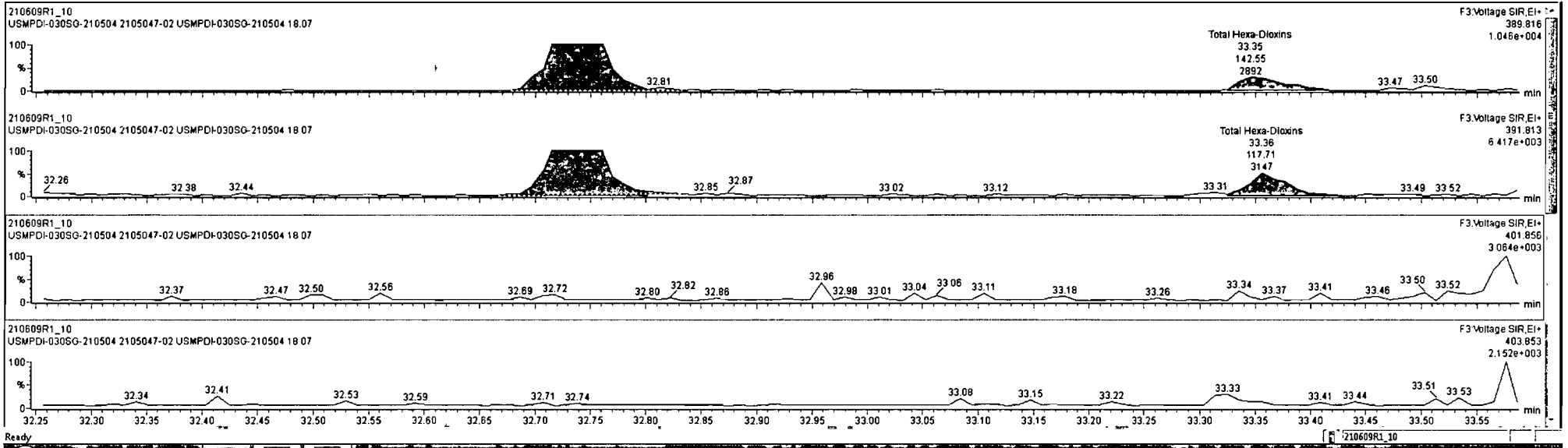
13C-1,2,3,4,7,8-HxCDD





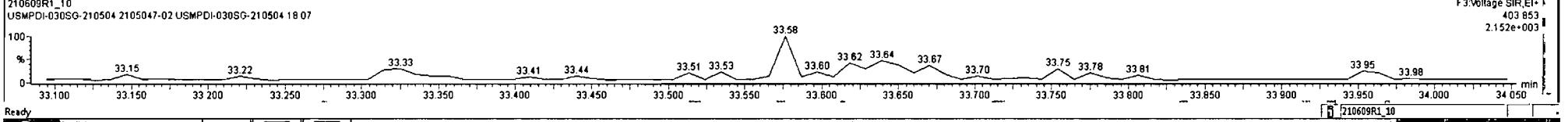
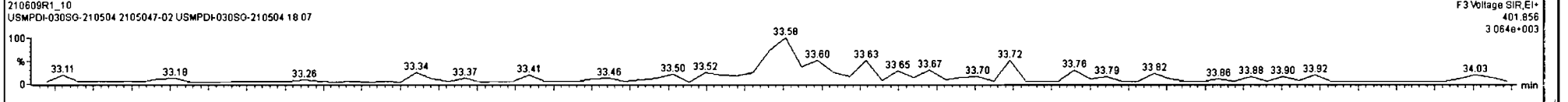
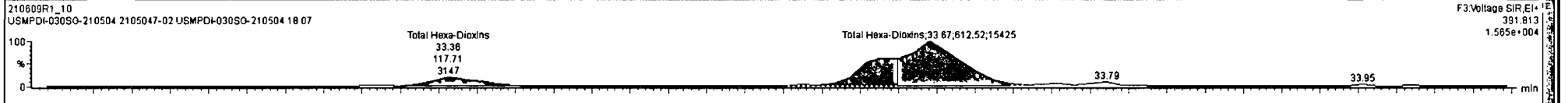
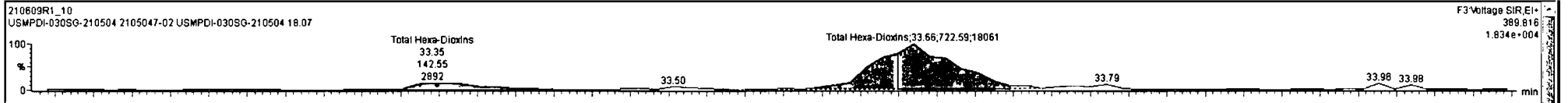
Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9291	10.066			0.367		0.0541	0.648
40 Total Penta-Dioxins				0.8257	10.066			0.406		0.0571	0.549
41 Total Hexa-Dioxins				0.8771	10.066			1.41		0.185	6.89
42 Total Hepta-Dioxins				0.8987	10.066			46.1		0.441	46.1
43 Total Tetra-Furane				0.7466	10.066			2.95		0.117	3.23
44 1st Func. Penta-Furans				0.8771	10.066			1.82		0.0469	1.82

Name	RT / s	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	32.74	8.943e2	5.713e2	1.57	YES	2.0043	0.00000
2 Total Hexa-Dioxins	33.35	1.426e2	1.177e2	1.21	NO	0.40760	0.40760
3 Total Hexa-Dioxins	33.65	3.442e2	2.727e2	1.26	NO	0.96626	0.00000
4 Total Hexa-Dioxins	33.66	7.226e2	6.125e2	1.18	NO	2.0910	0.00000
5 1,2,3,6,7,8-HxCDD	34.58	3.540e2	2.967e2	1.19	NO	0.99761	0.99761
6 1,2,3,7,8,9-HxCDD	34.87	2.014e2	1.267e2	1.59	YES	0.42854	0.00000



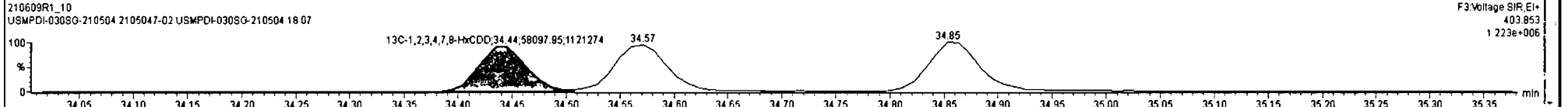
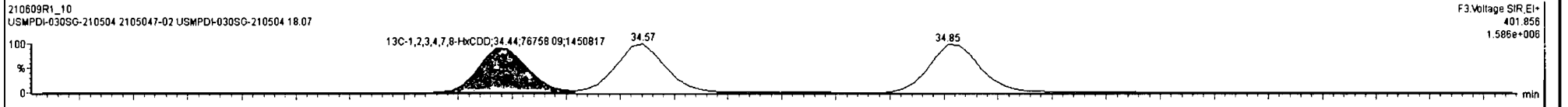
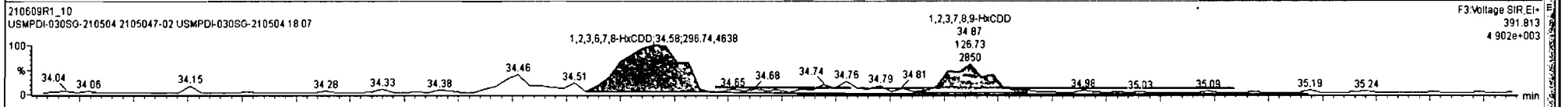
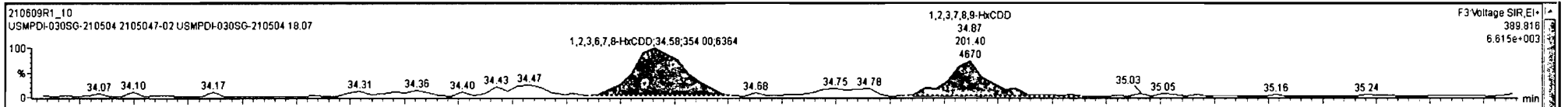
Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9291	10.066			0.367	0.0541	0.648	
40 Total Penta-Dioxins				0.8257	10.066			0.406	0.0571	0.549	
41 Total Hexa-Dioxins				0.8771	10.066			1.41	0.185	6.89	
42 Total Hepta-Dioxins				0.8987	10.066			46.1	0.441	46.1	
43 Total Tetra-Furans				0.7466	10.066			2.95	0.117	3.23	
44 1st Func. Penta-Furans				0.8771	10.066			1.82	0.0469	1.82	

Name	RT / y	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	32.74	8.943e2	5.713e2	1.57	YES	2.0043	0.00000
2 Total Hexa-Dioxins	33.35	1.426e2	1.177e2	1.21	NO	0.40760	0.40760
3 Total Hexa-Dioxins	33.65	3.442e2	2.727e2	1.26	NO	0.96626	0.00000
4 Total Hexa-Dioxins	33.66	7.226e2	6.125e2	1.18	NO	2.0910	0.00000
5 1,2,3,6,7,8-HxCDD	34.58	3.540e2	2.967e2	1.19	NO	0.99761	0.99761
6 1,2,3,7,8-HxCDD	34.67	2.014e2	1.267e2	1.59	YES	0.42654	0.00000



Name	Resp	RA	n/y	RRF	wt/Avl	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9291	10.066			0.367		0.0541	0.648
40 Total Penta-Dioxins				0.8257	10.066			0.406		0.0571	0.549
41 Total Hexa-Dioxins				0.8771	10.066			1.41		0.185	6.89
42 Total Hepta-Dioxins				0.8987	10.066			46.1		0.441	46.1
43 Total Tetra-Furans				0.7466	10.066			2.95		0.117	3.23
44 1st Func. Penta-Furans				0.8771	10.066			1.82		0.0469	1.82

Name	RT $\mu$ s	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	32.74	8.943e2	5.713e2	1.57	YES	2.0043	0.00000
2 Total Hexa-Dioxins	33.35	1.426e2	1.177e2	1.21	NO	0.40760	0.40760
3 Total Hexa-Dioxins	33.65	3.442e2	2.727e2	1.26	NO	0.96626	0.00000
4 Total Hexa-Dioxins	33.88	7.226e2	6.125e2	1.18	NO	2.0910	0.00000
5 1,2,3,6,7,8-HxCDD	34.58	3.540e2	2.967e2	1.19	NO	0.99761	0.99761
6 1,2,3,7,8,9-HxCDD	34.87	2.014e2	1.267e2	1.59	YES	0.42654	0.00000



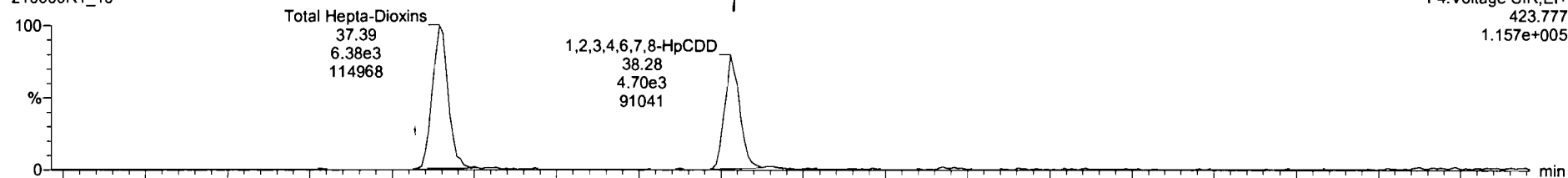
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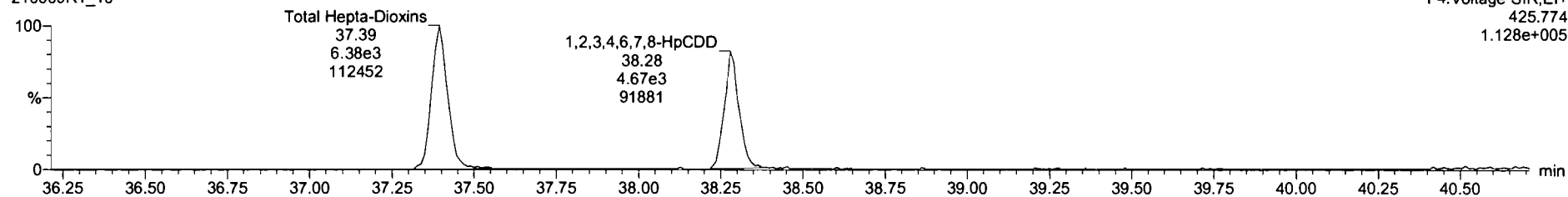
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**1,2,3,4,6,7,8-HpCDD**

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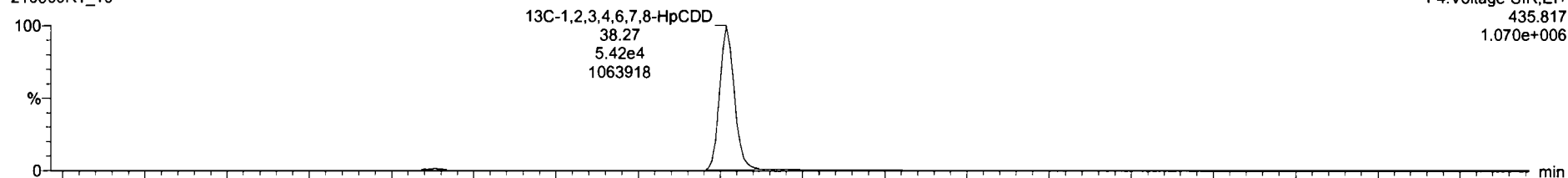


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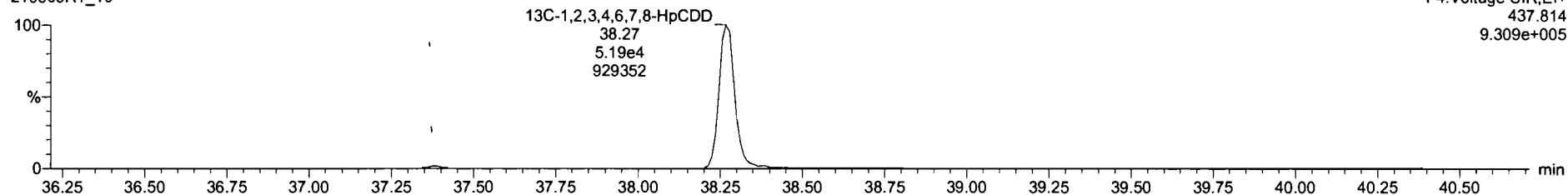


**13C-1,2,3,4,6,7,8-HpCDD**

210609R1\_10



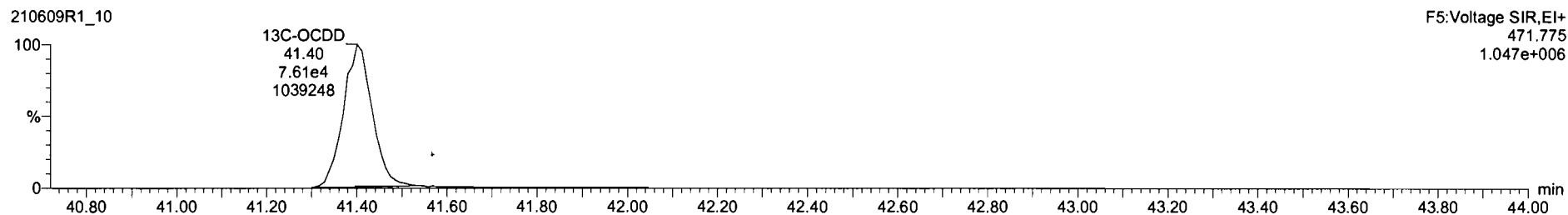
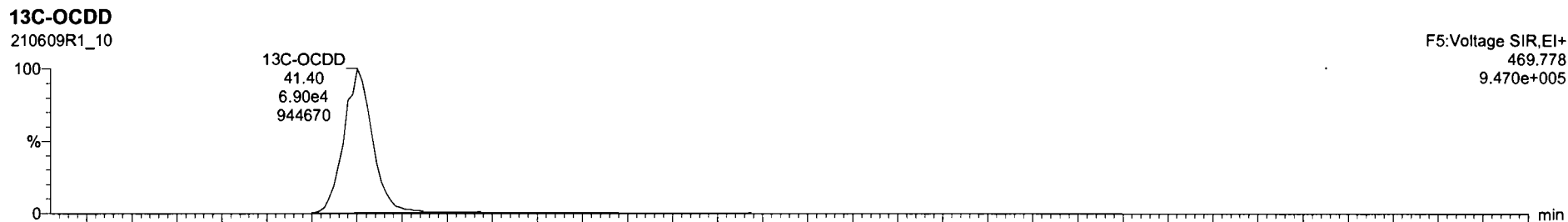
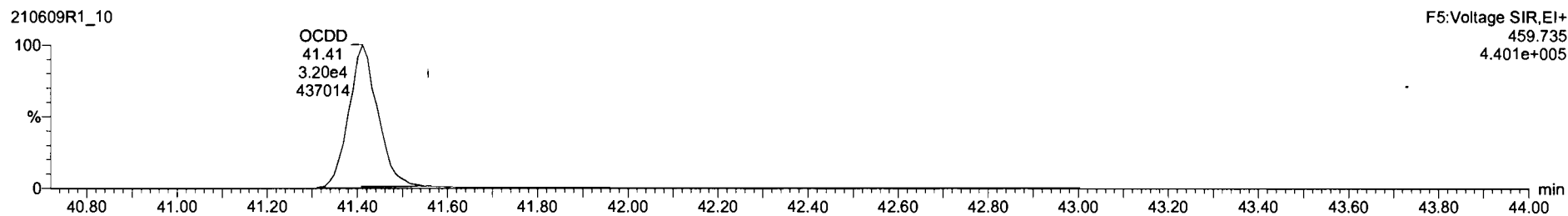
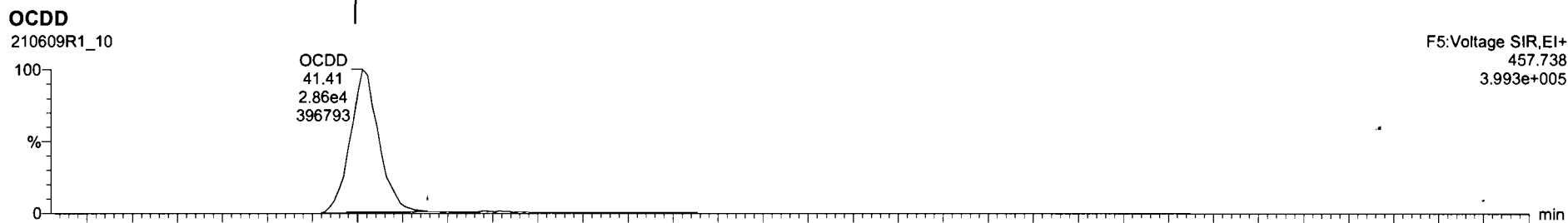
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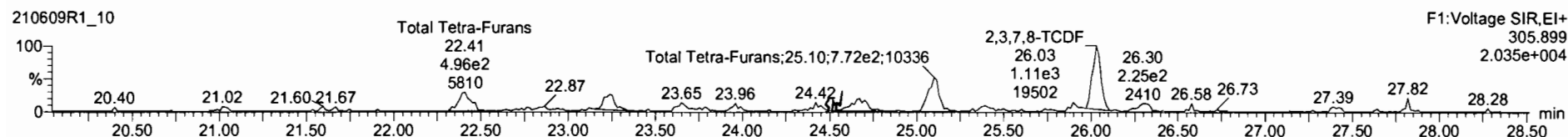
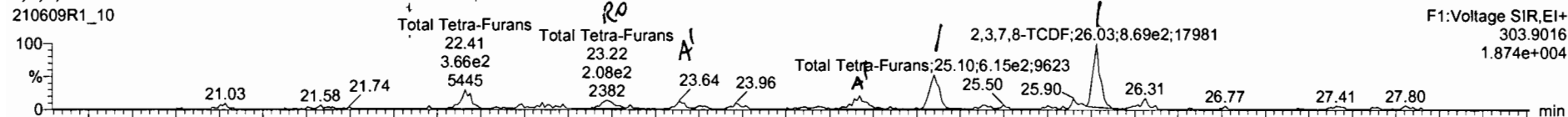


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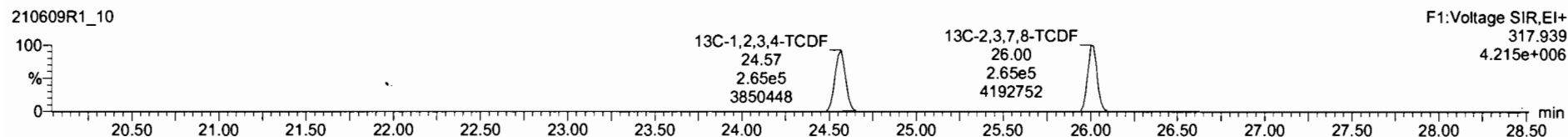
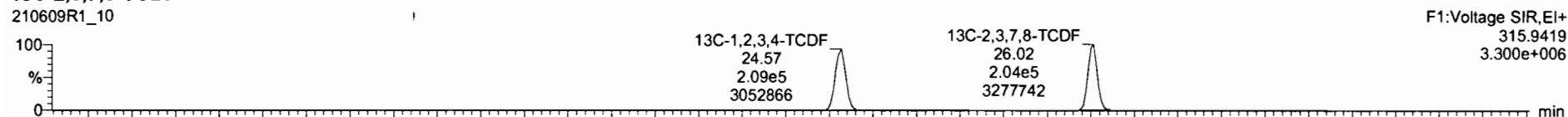
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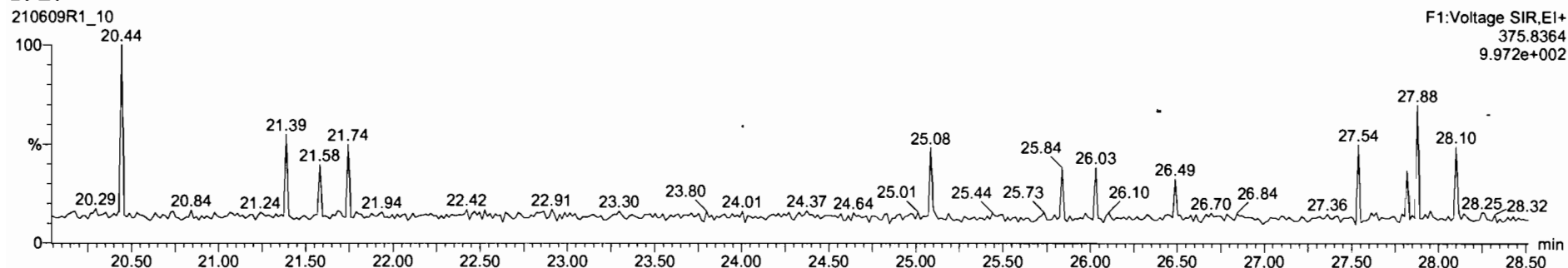
### 2,3,7,8-TCDF



### 13C-2,3,7,8-TCDF



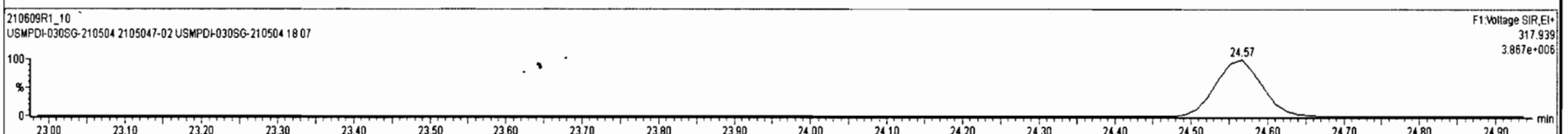
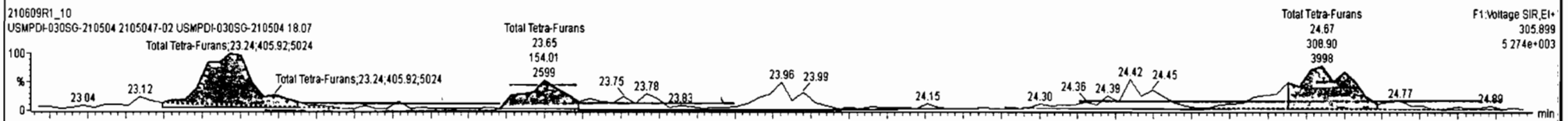
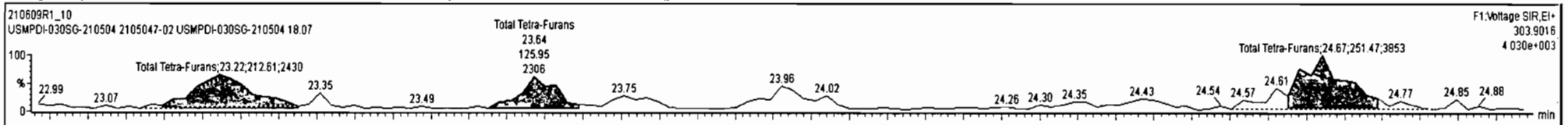
### DPE1



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Name	Resp	RA	nly	RRF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9291	10.066			0.367	0.0541	0.648	
40 Total Penta-Dioxins				0.8257	10.066			0.406	0.0571	0.549	
41 Total Hexa-Dioxins				0.8771	10.066			3.50	0.185	5.93	
42 Total Hepta-Dioxins				0.8987	10.066			46.1	0.441	46.1	
43* Total Tetra-Furans				0.7466	10.066			2.95	0.117	3.23	
44 1st Func. Penta-Furans				0.8771	10.066			1.82	0.0469	1.82	

Name	RT_A	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Tetra-Furans	22.41	3.662e2	4.956e2	0.74	NO	0.48908	0.48908
2 Total Tetra-Furans	23.22	2.126e2	4.059e2	0.52	YES	0.27736	0.00000
3 Total Tetra-Furans	23.64	1.259e2	1.540e2	0.82	NO	0.15888	0.15888
4 Total Tetra-Furans	24.67	2.515e2	3.089e2	0.81	NO	0.31802	0.31802
5 Total Tetra-Furans	25.10	6.153e2	7.715e2	0.80	NO	0.78705	0.78705
6 2,3,7,8-TCDF	26.03	9.261e2	1.192e3	0.78	NO	1.2018	1.2018



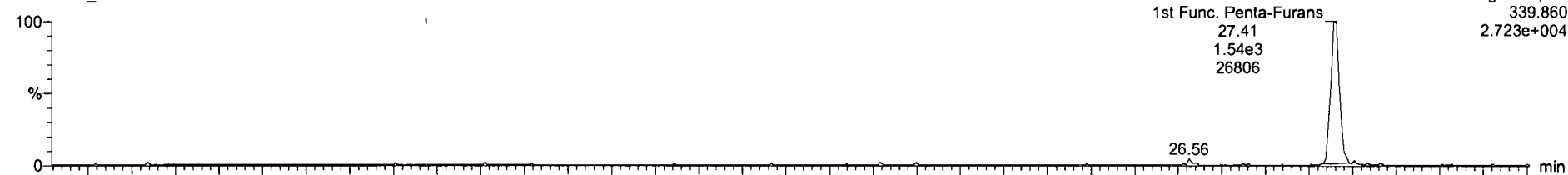
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Printed: Tuesday, June 15, 2021 13:42:14 Pacific Daylight Time

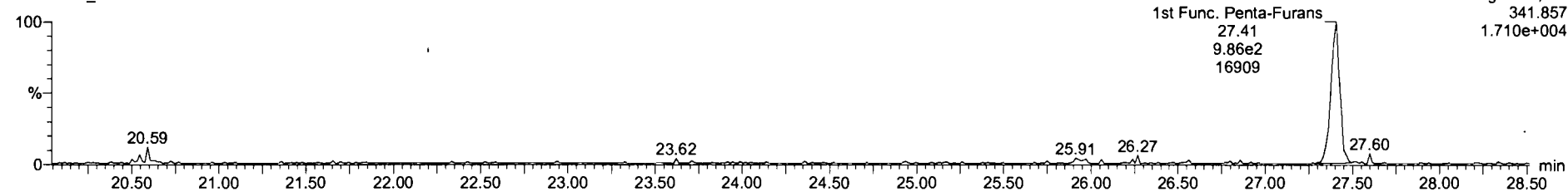
Name: 210609R1\_10, Date: 09-Jun-2021, Time: 17:38:54, ID: 2105047-02 USMPDI-030SG-210504 18.07, Description: USMPDI-030SG-210504

1st Func. Penta-Furans

210609R1\_10

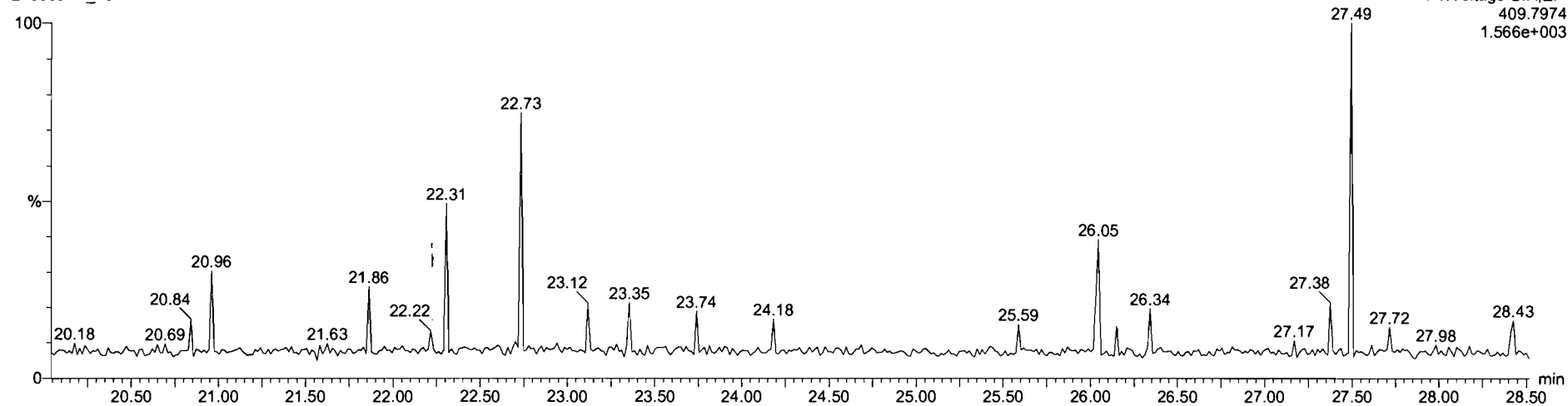


210609R1\_10



DPE6

210609R1\_10



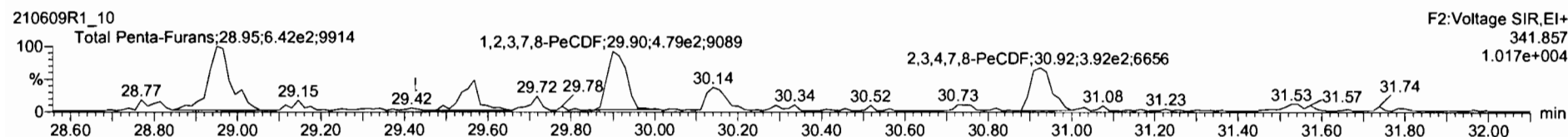
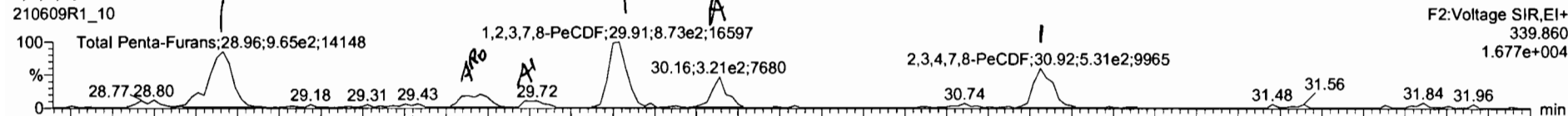


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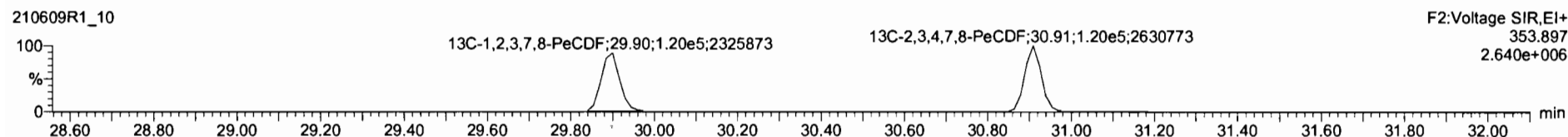
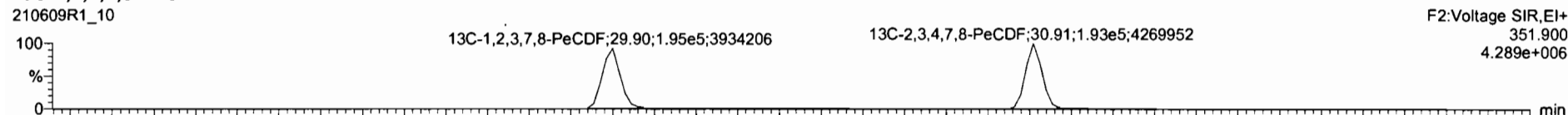
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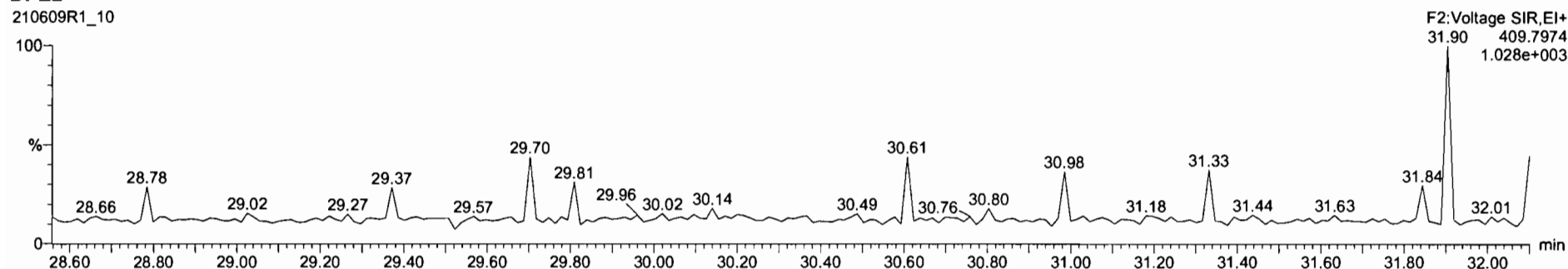
### 1,2,3,7,8-PeCDF



### 13C-1,2,3,7,8-PeCDF



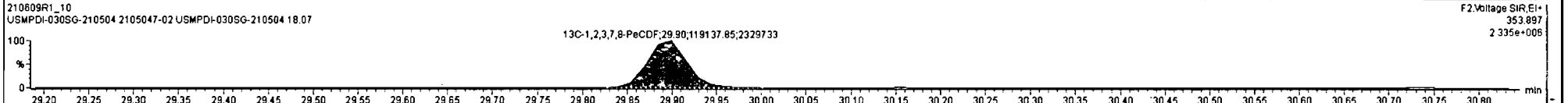
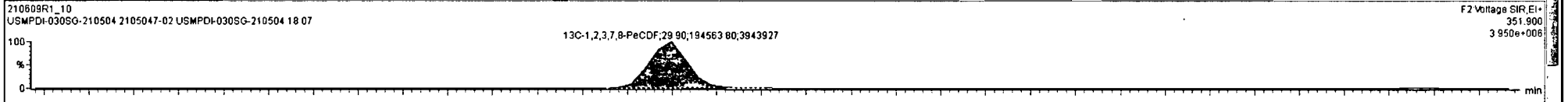
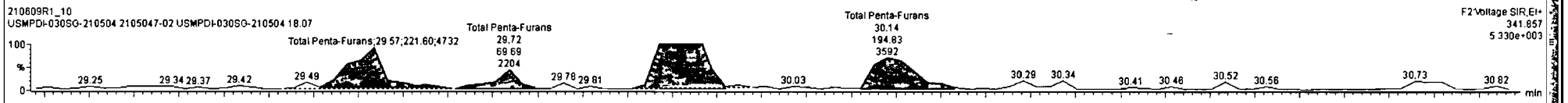
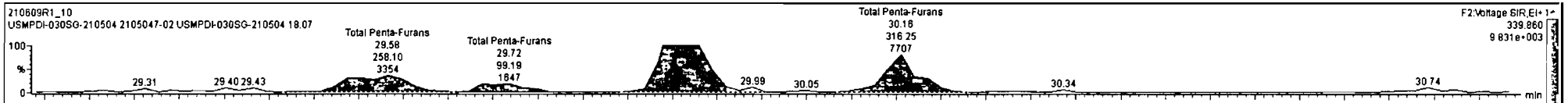
### DPE2



210609R1\_10 - 2105047-02 USMPDI-030SG-210504 18.07 - USMPDI-030SG-210504

#	Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
45	Total Penta-Furans				0.8771	10.066			3.21		0.113	3.52
46	Total Hexa-Furans				0.9725	10.066			7.81		0.167	8.50
47	Total Hepta-Furans				1.0481	10.066			11.9		0.163	11.9
48	PFK1											
49	PFK2											
50	PFK3											

#	Name	RT Ax	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Penta-Furans	28.97	9.653e2	6.419e2	1.50	NO	1.1604	1.1604
2	Total Penta-Furans	29.58	2.581e2	2.216e2	1.16	YES	0.30656	0.00000
3	Total Penta-Furans	29.72	9.919e1	6.969e1	1.42	NO	0.12193	0.12193
4	1,2,3,7,8-PeCDF	29.91	8.417e2	4.807e2	1.75	NO	0.85494	0.85494
5	Total Penta-Furans	30.16	3.162e2	1.948e2	1.62	NO	0.36899	0.36899
6	2,3,4,7,8-PeCDF	30.92	5.314e2	3.925e2	1.35	NO	0.60603	0.60603

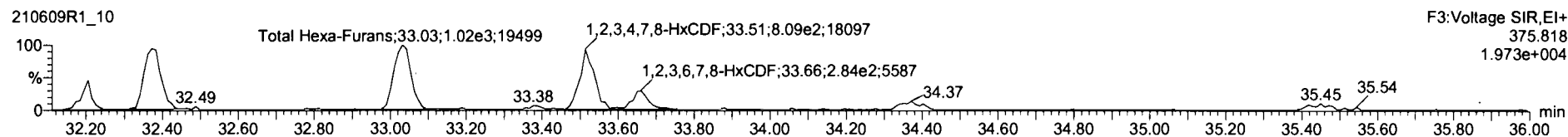
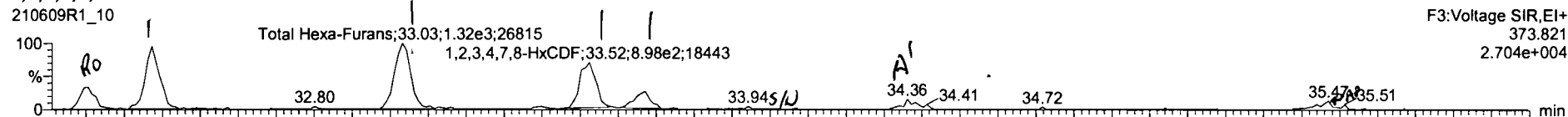


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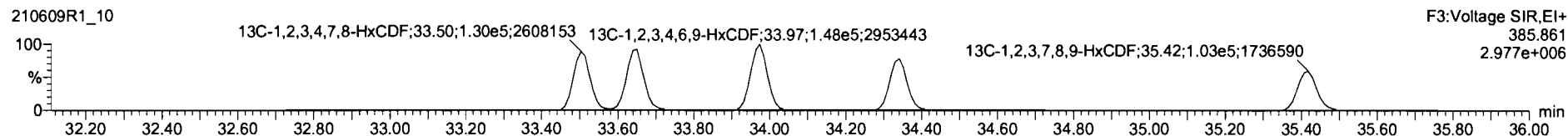
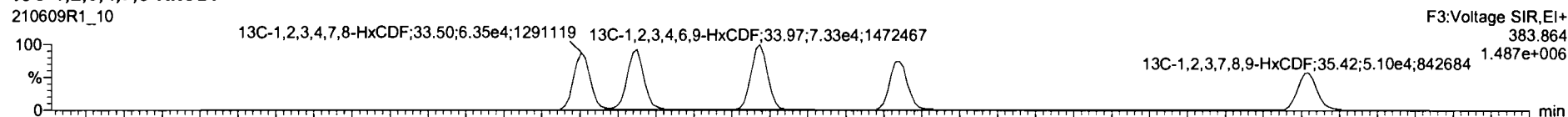
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Printed: Tuesday, June 15, 2021 13:42:14 Pacific Daylight Time

Name: 210609R1\_10, Date: 09-Jun-2021, Time: 17:38:54, ID: 2105047-02 USMPDI-030SG-210504 18.07, Description: USMPDI-030SG-210504

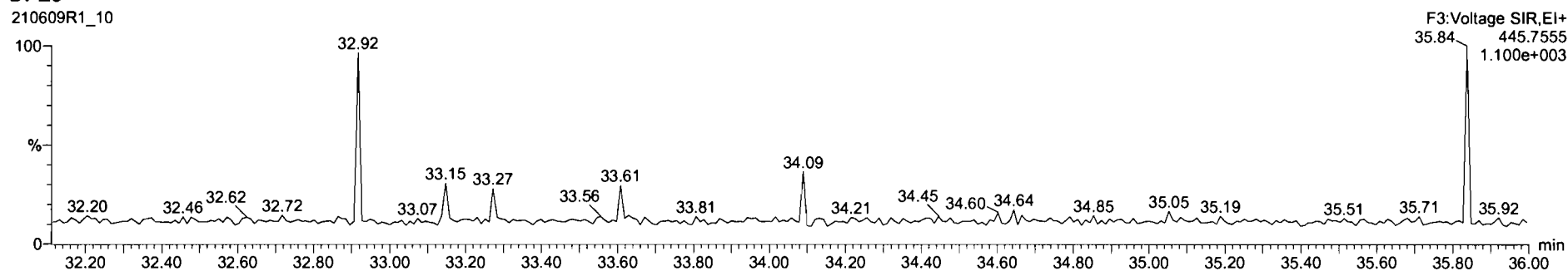
### 1,2,3,4,7,8-HxCDF



### 13C-1,2,3,4,7,8-HxCDF

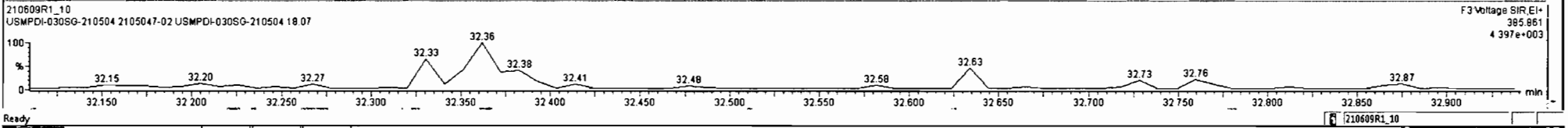
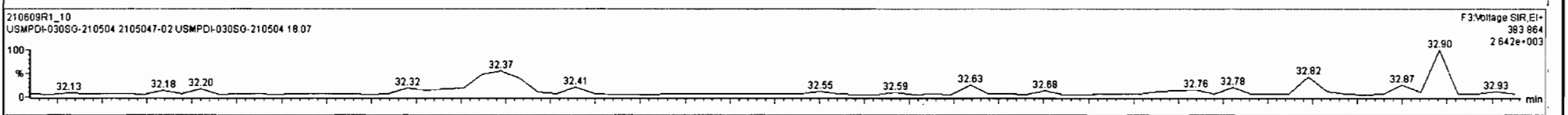
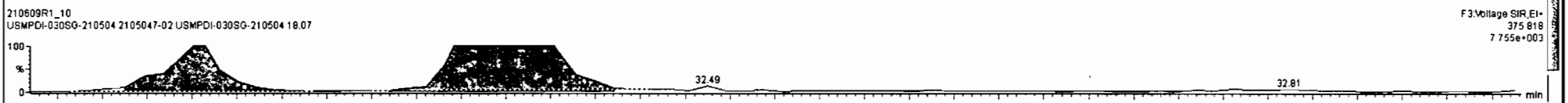
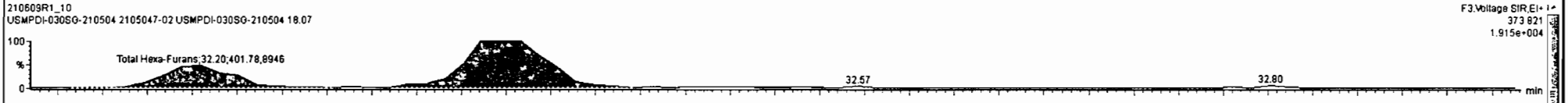


### DPE3



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8771	10.066			3.21	0.113	3.52	
46 Total Hexa-Furans				0.9725	10.066			7.84	0.187	8.53	
47 Total Hepta-Furans				1.0481	10.066			11.9	0.183	11.9	
48 PFK1											
49 PFK2											
50 PFK3											

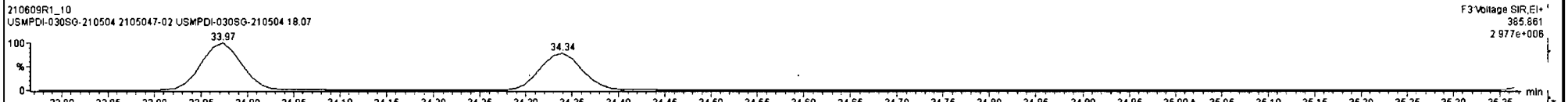
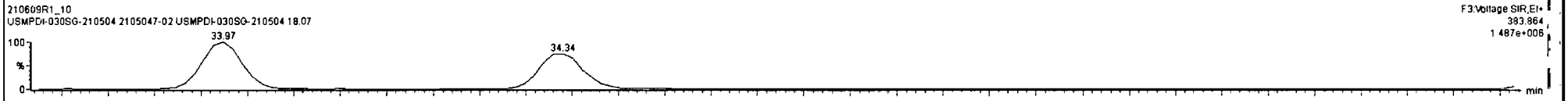
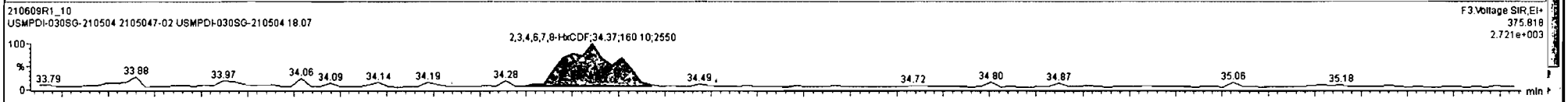
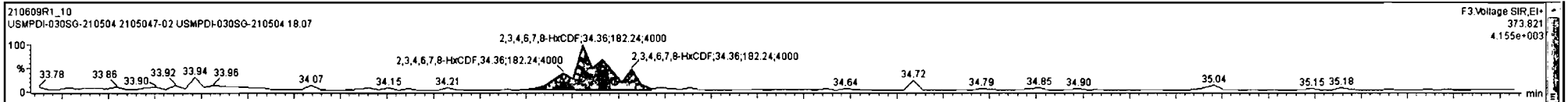
Name	RT / s	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.20	4.018e2	2.783e2	1.44	YES	0.89124	0.00000
2 Total Hexa-Furans	32.37	1.130e3	9.777e2	1.16	NO	2.3372	2.3372
3 Total Hexa-Furans	33.03	1.322e3	1.017e3	1.30	NO	2.5930	2.5930
4 1,2,3,4,7,8-HxCDF	33.52	8.984e2	8.090e2	1.11	NO	1.9059	1.9059
5 1,2,3,6,7,8-HxCDF	33.67	3.202e2	2.840e2	1.13	NO	0.61649	0.61649
6 2,3,4,6,7,8-HxCDF	34.36	1.822e2	1.601e2	1.14	NO	0.38592	0.38592



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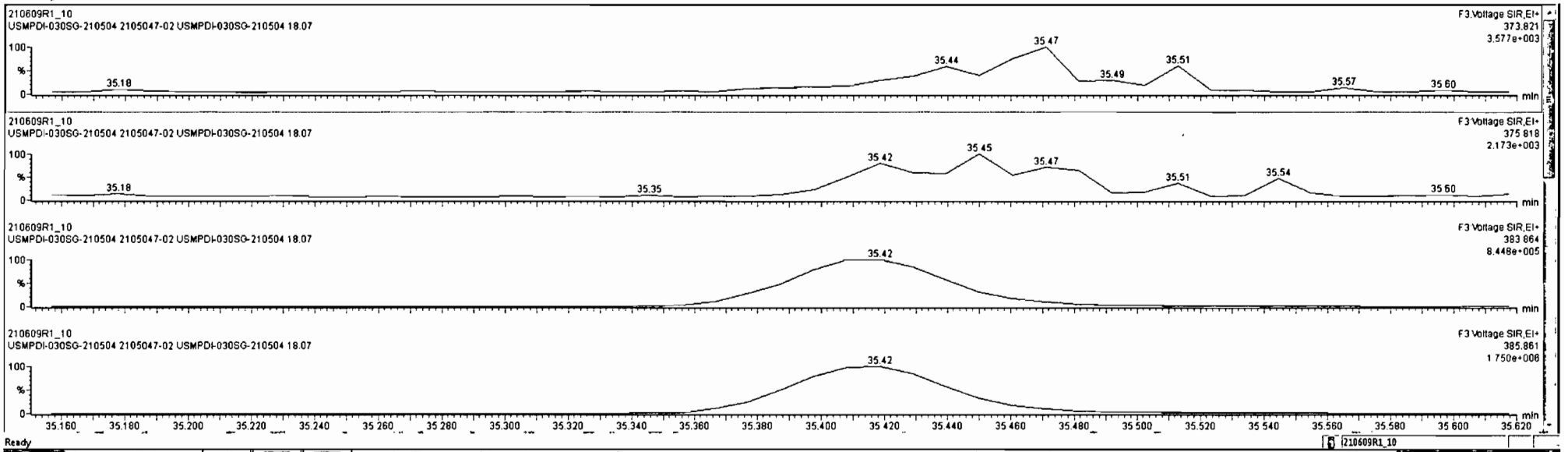
Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8771	10.066			3.21		0.113	3.52
46 Total Hexa-Furans				0.9725	10.066			7.84		0.167	8.53
47 Total Hepta-Furans				1.0481	10.066			11.9		0.163	11.9
48 PFK1											
49 PFK2											
50 PFK3											

Name	RT / min	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.20	4.018e2	2.783e2	1.44	YES	0.89124	0.00000
2 Total Hexa-Furans	32.37	1.130e3	9.777e2	1.16	NO	2.3372	2.3372
3 Total Hexa-Furans	33.03	1.322e3	1.017e3	1.30	NO	2.5930	2.5930
4 1,2,3,4,7,8-HxCDF	33.52	8.984e2	8.090e2	1.11	NO	1.9059	1.9059
5 1,2,3,6,7,8-HxCDF	33.67	3.202e2	2.840e2	1.13	NO	0.81649	0.81649
6 2,3,4,6,7,8-HxCDF	34.36	1.822e2	1.601e2	1.14	NO	0.36592	0.36592



Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8771	10.066			3.21		0.113	3.52
46 Total Hexa-Furans				0.9725	10.066			7.84		0.167	8.53
47 Total Hepta-Furans				1.0481	10.066			11.9		0.163	11.9
48 PFK1											
49 PFK2											
50 PFK3											

Name	RT / min	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.20	4.018e2	2.783e2	1.44	YES	0.69124	0.00000
2 Total Hexa-Furans	32.37	1.130e3	9.777e2	1.16	NO	2.3372	2.3372
3 Total Hexa-Furans	33.03	1.322e3	1.017e3	1.30	NO	2.5930	2.5930
4 1,2,3,4,7,8-HxCDF	33.52	8.984e2	8.090e2	1.11	NO	1.9059	1.9059
5 1,2,3,6,7,8-HxCDF	33.67	3.202e2	2.840e2	1.13	NO	0.61649	0.61649
6 2,3,4,6,7,8-HxCDF	34.36	1.822e2	1.601e2	1.14	NO	0.38592	0.38592



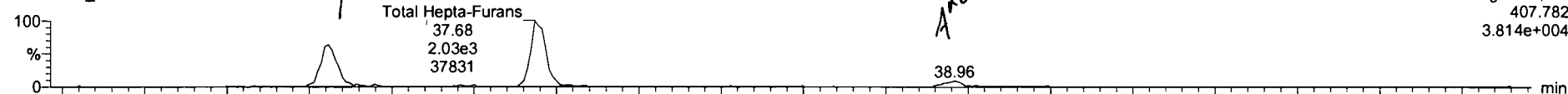
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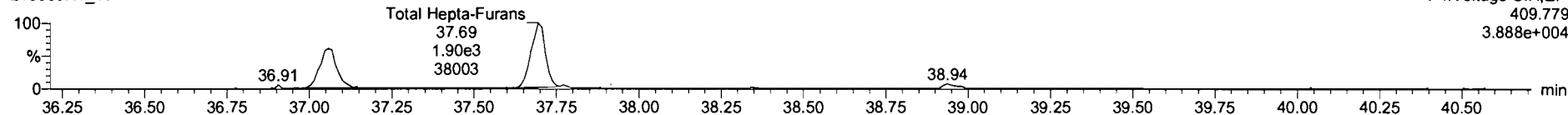
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1,2,3,4,6,7,8-HpCDF

210609R1\_10

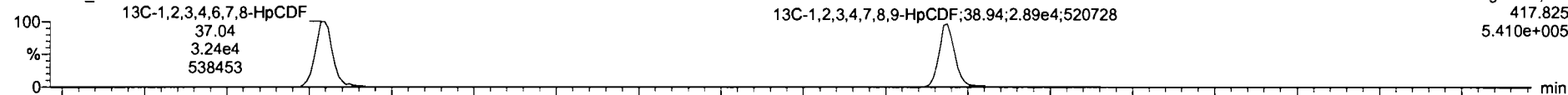


210609R1\_10

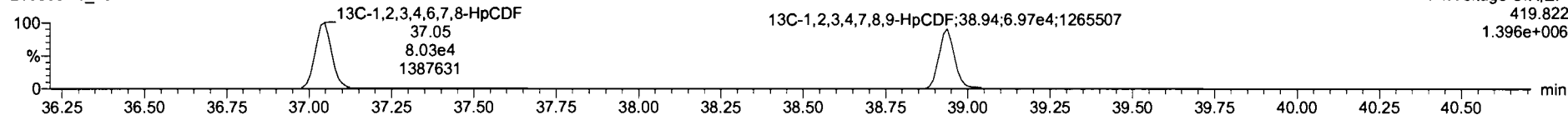


13C-1,2,3,4,6,7,8-HpCDF

210609R1\_10

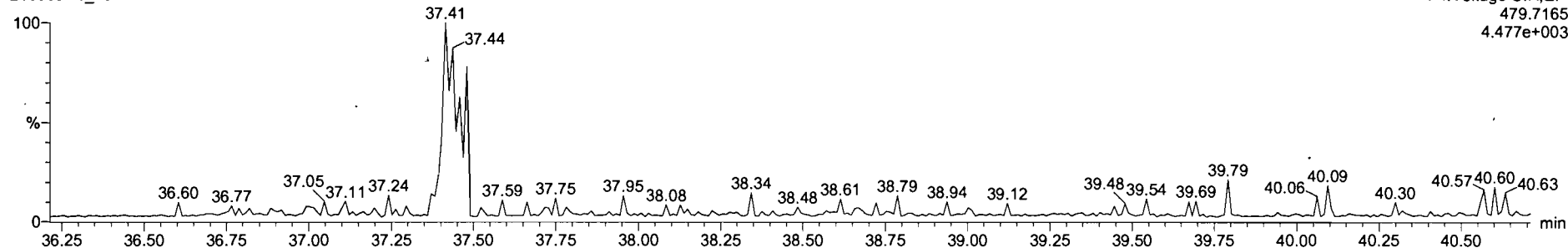


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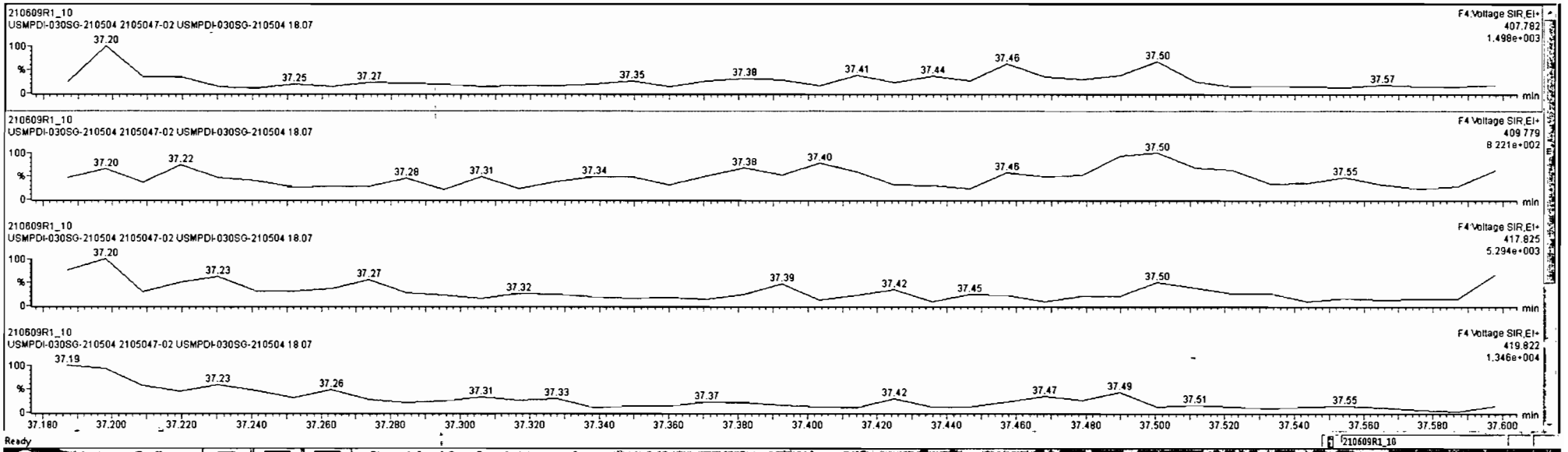
DPE4

210609R1\_10



Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8771	10.066			3.21	0.113	3.52	
46 Total Hexa-Furans				0.9725	10.066			7.84	0.167	8.53	
47 Total Hepta-Furans				1.0481	10.066			11.9	-0.183	12.4	
48 PFK1											
49 PFK2											
50 PFK3											

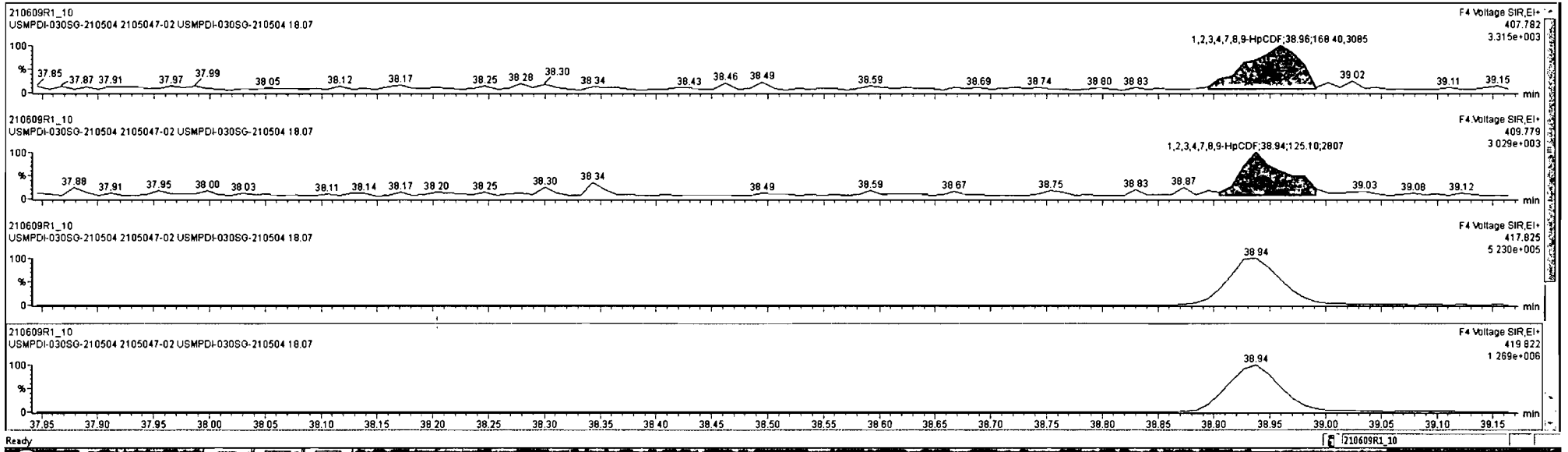
Name	RT / s	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.06	1.444e3	1.433e3	1.01	NO	4.8396	4.8396
2 Total Hepta-Furans	37.68	2.025e3	1.899e3	1.07	NO	7.0403	7.0403
3 1,2,3,4,7,8,9-HpCDF	38.96	1.684e2	1.251e2	1.35	YES	0.49197	0.00000





#	Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
45	Total Penta-Furans				0.8771	10.066			3.21	0.113	3.52	
46	Total Hexa-Furans				0.9725	10.066			7.84	0.167	8.53	
47	Total Hepta-Furans				1.0481	10.066		JT	11.9	0.163	-12.4	
48	PFK1											
49	PFK2											
50	PFK3											

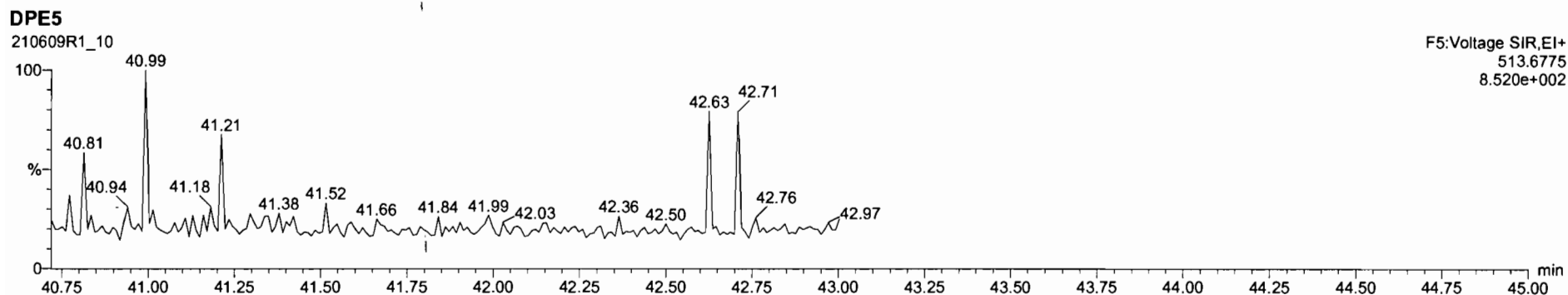
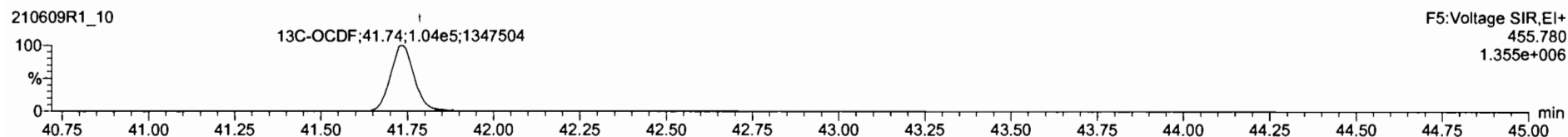
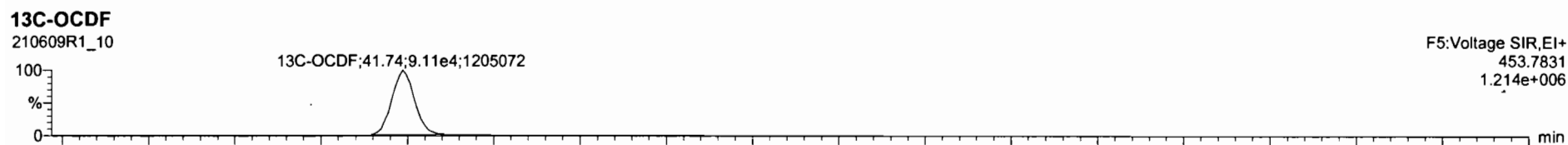
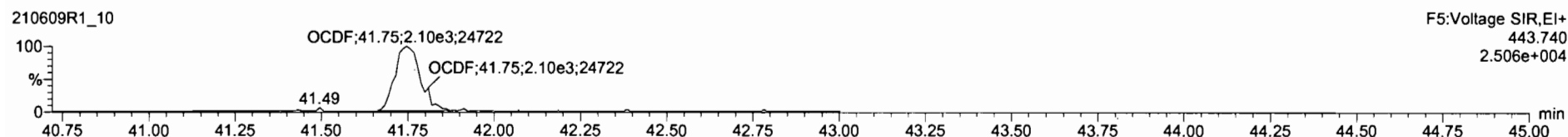
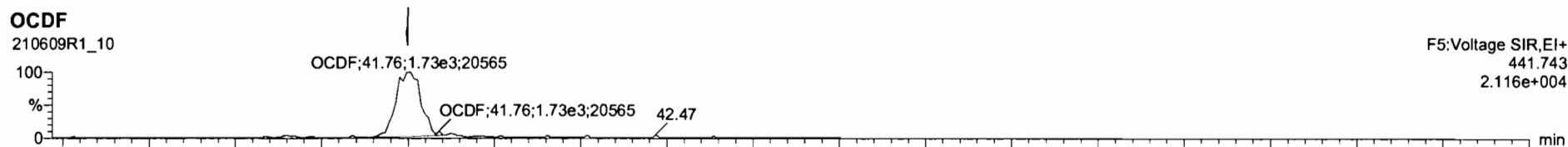
#	Name	RT / $\mu$	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	1,2,3,4,6,7,8-HpCDF	37.06	1.444e3	1.433e3	1.01	NO	4.8396	4.8396
2	Total Hepta-Furans	37.68	2.025e3	1.899e3	1.07	NO	7.0403	7.0403
3	1,2,3,4,7,8,9-HpCDF	38.96	1.684e2	1.251e2	1.35	YES	0.49197	0.00000



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Printed: Tuesday, June 15, 2021 13:42:14 Pacific Daylight Time

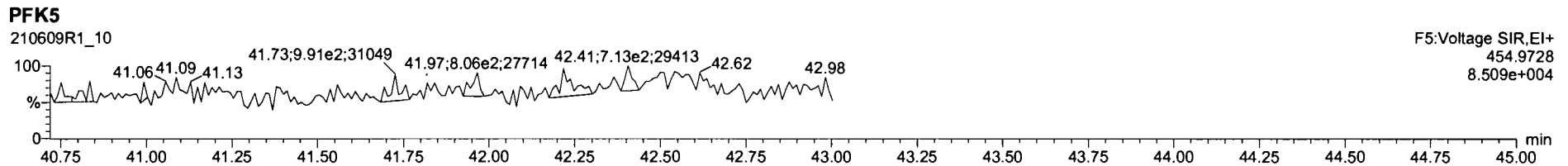
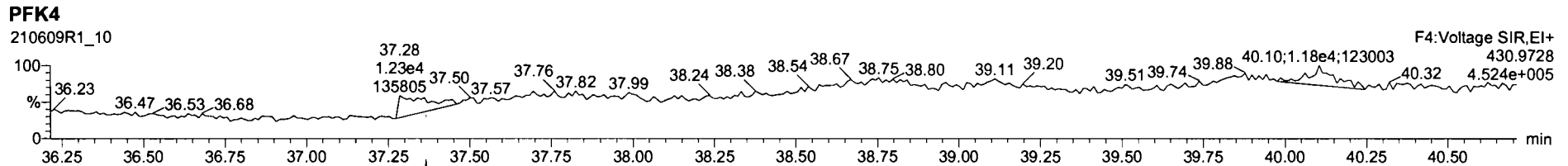
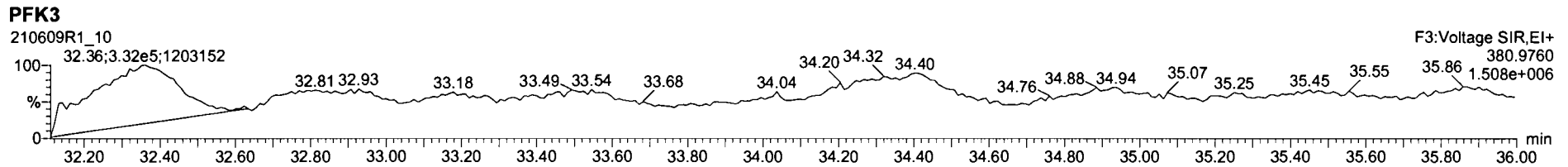
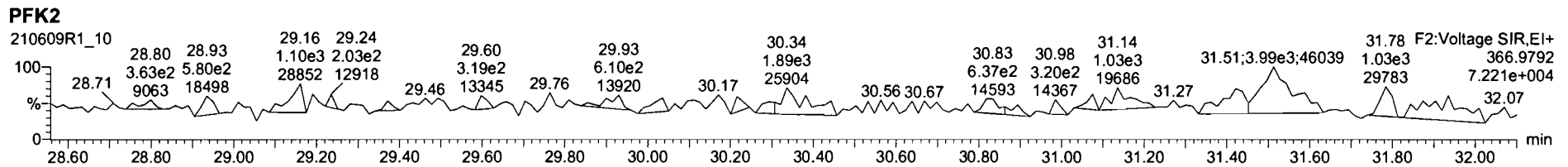
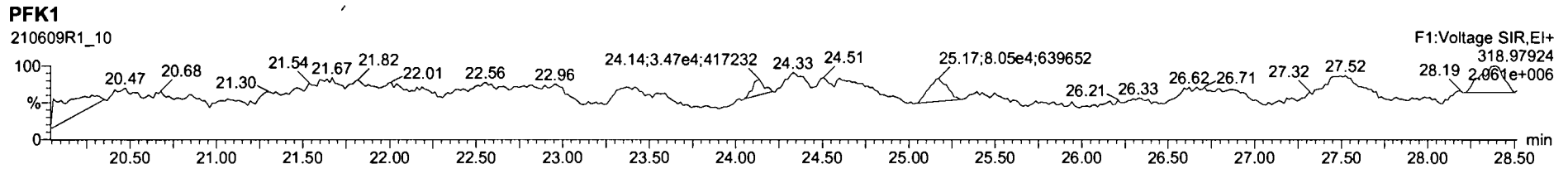
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Printed: Tuesday, June 15, 2021 13:42:14 Pacific Daylight Time

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Printed: Wednesday, June 16, 2021 11:54:02 Pacific Daylight Time

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*C106/12/2021*

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Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210609R1\_9, Date: 09-Jun-2021, Time: 16:54:39, ID: 2105047-03 USMPDI-031SG-210504 24.65, Description: USMPDI-031SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	2.91e2	0.17	YES	0.929	10.116	26.683	26.67	1.001	1.001	0.17138		0.0168	0.0586
2	2 1,2,3,7,8-PeCDD			NO	0.826	10.116	31.136		1.001				0.172	
3	3 1,2,3,4,7,8-HxCDD			NO	0.972	10.116	34.466		1.001				0.185	
4	4 1,2,3,6,7,8-HxCDD	1.86e2	1.22	NO	0.877	10.116	34.592	34.59	1.001	1.001	0.31599		0.181	0.316
5	5 1,2,3,7,8,9-HxCDD			NO	0.874	10.116	34.874		1.000				0.183	
6	6 1,2,3,4,6,7,8-HpCDD	2.49e3	1.18	NO	0.899	10.116	38.290	38.29	1.000	1.000	5.7657		0.313	5.77
7	7 OCDD	1.76e4	0.87	NO	0.852	10.116	41.409	41.42	1.000	1.000	60.449		0.701	60.4
8	8 2,3,7,8-TCDF	4.97e2	0.93	YES	0.747	10.116	26.019	26.05	1.000	1.001	0.31487		0.0612	0.289
9	9 1,2,3,7,8-PeCDF	1.86e2	1.53	NO	0.877	10.116	29.902	29.91	1.000	1.001	0.14429		0.112	0.144
10	10 2,3,4,7,8-PeCDF	2.86e2	1.55	NO	0.962	10.116	30.946	30.94	1.001	1.000	0.21020		0.101	0.210
11	11 1,2,3,4,7,8-HxCDF	2.45e2	1.18	NO	0.920	10.116	33.523	33.53	1.000	1.001	0.29149		0.131	0.291
12	12 1,2,3,6,7,8-HxCDF			NO	0.936	10.116	33.669		1.001				0.120	
13	13 2,3,4,6,7,8-HxCDF			NO	0.973	10.116	34.372		1.001				0.142	
14	14 1,2,3,7,8,9-HxCDF			NO	0.940	10.116	35.430		1.000				0.190	
15	15 1,2,3,4,6,7,8-HpCDF	7.19e2	1.19	NO	1.05	10.116	37.076	37.08	1.000	1.001	1.3228		0.118	1.32
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.05	10.116	38.960		1.000				0.119	
17	17 OCDF	1.23e3	0.86	NO	0.771	10.116	41.712	41.72	1.000	1.000	3.6066		0.400	3.61
18	18 13C-2,3,7,8-TCDD	3.61e5	0.77	NO	1.10	10.116	26.624	26.65	1.027	1.028	223.10	113	0.204	
19	19 13C-1,2,3,7,8-PeCDD	1.87e5	0.61	NO	0.864	10.116	30.998	31.10	1.196	1.200	147.78	74.7	0.229	
20	20 13C-1,2,3,4,7,8-HxCDD	1.18e5	1.29	NO	0.746	10.116	34.453	34.44	1.014	1.014	147.00	74.4	0.666	
21	21 13C-1,2,3,6,7,8-HxCDD	1.33e5	1.31	NO	0.847	10.116	34.572	34.57	1.017	1.017	145.73	73.7	0.587	
22	22 13C-1,2,3,7,8,9-HxCDD	1.37e5	1.30	NO	0.868	10.116	34.871	34.86	1.026	1.026	146.05	73.9	0.572	
23	23 13C-1,2,3,4,6,7,8-HpCDD	9.50e4	1.03	NO	0.664	10.116	38.218	38.28	1.125	1.126	132.89	67.2	0.599	
24	24 13C-OCDD	1.35e5	0.90	NO	0.561	10.116	41.165	41.40	1.211	1.218	223.29	56.5	0.981	
25	25 13C-2,3,7,8-TCDF	4.19e5	0.77	NO	1.09	10.116	26.015	26.02	1.003	1.003	165.78	83.9	0.223	
26	26 13C-1,2,3,7,8-PeCDF	2.90e5	1.61	NO	0.809	10.116	29.730	29.90	1.147	1.153	155.29	78.5	0.496	
27	27 13C-2,3,4,7,8-PeCDF	2.80e5	1.66	NO	0.803	10.116	30.690	30.92	1.184	1.193	150.80	76.3	0.500	
28	28 13C-1,2,3,4,7,8-HxCDF	1.81e5	0.49	NO	1.01	10.116	33.525	33.51	0.987	0.986	166.07	84.0	0.724	
29	29 13C-1,2,3,6,7,8-HxCDF	1.92e5	0.50	NO	1.07	10.116	33.654	33.65	0.990	0.990	166.21	84.1	0.682	
30	30 13C-2,3,4,6,7,8-HxCDF	1.64e5	0.49	NO	0.910	10.116	34.344	34.35	1.011	1.011	166.98	84.5	0.805	
31	31 13C-1,2,3,7,8,9-HxCDF	1.41e5	0.50	NO	0.828	10.116	35.422	35.42	1.042	1.042	158.51	80.2	0.884	

Dataset: U:\VG12.PRO\Results\210609R1\210609R1\_9.qld

Last Altered: Wednesday, June 16, 2021 11:50:56 Pacific Daylight Time  
 Printed: Wednesday, June 16, 2021 11:54:02 Pacific Daylight Time

Name: 210609R1\_9, Date: 09-Jun-2021, Time: 16:54:39, ID: 2105047-03 USMPDI-031SG-210504 24.65, Description: USMPDI-031SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.03e5	0.41	NO	0.661	10.116	37.029	37.06	1.090	1.090	144.09	72.9	0.697	
33	13C-1,2,3,4,7,8,9-HpCDF	8.58e4	0.41	NO	0.566	10.116	38.789	38.95	1.141	1.146	140.82	71.2	0.814	
34	13C-OCDF	1.74e5	0.90	NO	0.663	10.116	41.552	41.70	1.223	1.227	244.52	61.8	0.879	
35	37Cl-2,3,7,8-TCDD	3.04e5			2.07	10.116	26.824	26.67	1.035	1.029	100.17	127	0.0551	
36	13C-1,2,3,4-TCDD	2.90e5	0.78	NO	1.00	10.116	26.070	25.93	1.000	1.000	197.70	100	0.225	
37	13C-1,2,3,4-TCDF	4.57e5	0.78	NO	1.00	10.116	24.760	24.57	1.000	1.000	197.70	100	0.244	
38	13C-1,2,3,4,6,9-HxCDF	2.13e5	0.49	NO	1.00	10.116	34.040	33.98	1.000	1.000	197.70	100	0.732	
39	Total Tetra-Dioxins				0.929	10.116	24.620		0.000		0.12246		0.0158	0.181
40	Total Penta-Dioxins				0.826	10.116	29.960		0.000				0.0598	
41	Total Hexa-Dioxins				0.877	10.116	33.635		0.000		1.8646		0.189	1.86
42	Total Hepta-Dioxins				0.899	10.116	37.640		0.000		14.989		0.313	15.0
43	Total Tetra-Furans				0.747	10.116	23.610		0.000		0.00000		0.0328	0.631
44	1st Func. Penta-Furans				0.877	10.116	27.620		0.000		0.54907		0.0390	0.549
45	Total Penta-Furans				0.877	10.116	29.275		0.000		0.35448		0.111	0.715
46	Total Hexa-Furans				0.973	10.116	33.555		0.000		1.7684		0.138	1.77
47	Total Hepta-Furans				1.05	10.116	37.835		0.000		3.7395		0.118	3.74

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\210609R1\210609R1\_9.qld

Last Altered: Wednesday, June 16, 2021 11:50:56 Pacific Daylight Time

Printed: Wednesday, June 16, 2021 11:54:02 Pacific Daylight Time

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Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210609R1\_9, Date: 09-Jun-2021, Time: 16:54:39, ID: 2105047-03 USMPDI-031SG-210504 24.65, Description: USMPDI-031SG-210504

**Tetra-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	26.43	1.429e3	1.988e3	8.260e1	1.252e2	0.66	NO	2.078e2	0.12246	0.12246	0.0158
2	2,3,7,8-TCDD	26.67	1.077e3	6.543e3	4.327e1	2.475e2	0.17	YES	2.908e2	0.00000	0.058615	0.0158

**Penta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

**Hexa-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.75	5.893e3	4.199e3	2.625e2	1.944e2	1.35	NO	4.569e2	0.79724	0.79724	0.189
2	Total Hexa-Dioxins	33.67	5.593e3	6.149e3	2.222e2	2.083e2	1.07	NO	4.306e2	0.75133	0.75133	0.189
3	1,2,3,6,7,8-HxCDD	34.59	2.248e3	1.950e3	1.024e2	8.390e1	1.22	NO	1.863e2	0.31599	0.31599	0.181

**Hepta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.40	3.415e4	3.930e4	2.061e3	1.924e3	1.07	NO	3.985e3	9.2230	9.2230	0.313
2	1,2,3,4,6,7,8-HpCDD	38.29	2.370e4	2.325e4	1.350e3	1.141e3	1.18	NO	2.491e3	5.7657	5.7657	0.313

**Tetra-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	22.41	1.983e3	3.180e3	1.290e2	2.183e2	0.59	YES	0.000e0	0.00000	0.18763	0.0612
2	Total Tetra-Furans	25.13	2.546e3	1.974e3	1.490e2	1.385e2	1.08	YES	0.000e0	0.00000	0.15504	0.0612
3	2,3,7,8-TCDF	26.05	4.575e3	3.704e3	2.396e2	2.578e2	0.93	YES	4.974e2	0.00000	0.28872	0.0612

Dataset: U:\VG12.PRO\Results\210609R1\210609R1\_9.qld

Last Altered: Wednesday, June 16, 2021 11:50:56 Pacific Daylight Time  
 Printed: Wednesday, June 16, 2021 11:54:02 Pacific Daylight Time

Name: 210609R1\_9, Date: 09-Jun-2021, Time: 16:54:39, ID: 2105047-03 USMPDI-031SG-210504 24.65, Description: USMPDI-031SG-210504

**Penta-Furans function 1**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC <sup>†</sup>	DL
1	1st Func. Penta-Furans	27.41	7.920e3	5.360e3	3.968e2	2.975e2	1.33	NO	6.944e2	0.54907	0.54907	0.0390

**Penta-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC <sup>†</sup>	DL
1	Total Penta-Furans	28.99	3.247e3	4.071e3	2.041e2	1.881e2	1.08	YES	0.000e0	0.00000	0.26549	0.111
2	1,2,3,7,8-PeCDF	29.91	3.133e3	1.529e3	1.125e2	7.339e1	1.53	NO	1.859e2	0.14429	0.14429	0.112
3	Total Penta-Furans	30.16	4.277e3	1.561e3	9.984e1	4.691e1	2.13	YES	0.000e0	0.00000	0.094596	0.111
4	2,3,4,7,8-PeCDF	30.94	4.155e3	2.145e3	1.738e2	1.124e2	1.55	NO	2.861e2	0.21020	0.21020	0.101

**Hexa-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC <sup>†</sup>	DL
1	Total Hexa-Furans	32.37	7.678e3	5.737e3	3.172e2	2.795e2	1.14	NO	5.967e2	0.71577	0.71577	0.138
2	Total Hexa-Furans	33.03	8.135e3	6.554e3	3.676e2	2.670e2	1.38	NO	6.345e2	0.76115	0.76115	0.138
3	1,2,3,4,7,8-HxCDF	33.53	2.794e3	2.192e3	1.328e2	1.125e2	1.18	NO	2.453e2	0.29149	0.29149	0.131

**Hepta-Furans**

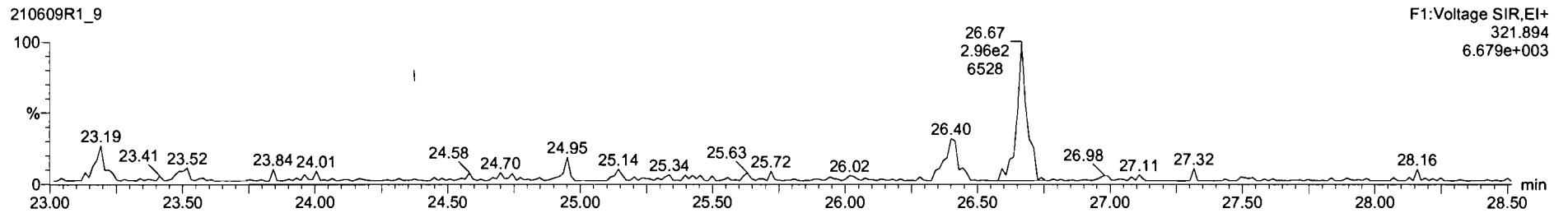
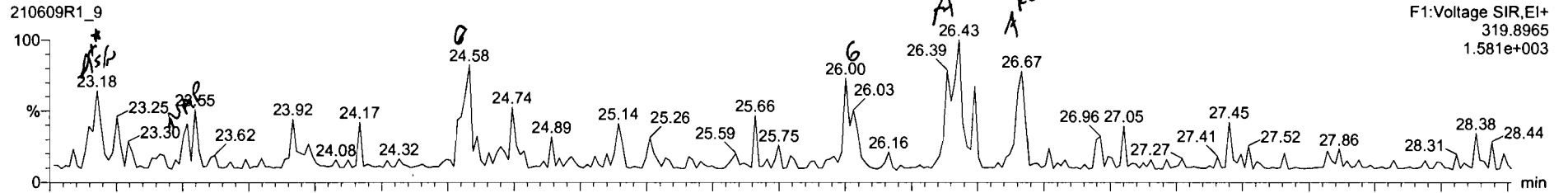
	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC <sup>†</sup>	DL
1	1,2,3,4,6,7,8-HpCDF	37.08	6.730e3	5.269e3	3.912e2	3.278e2	1.19	NO	7.191e2	1.3228	1.3228	0.118
2	Total Hepta-Furans	37.71	1.186e4	1.151e4	6.097e2	5.967e2	1.02	NO	1.206e3	2.4167	2.4167	0.118

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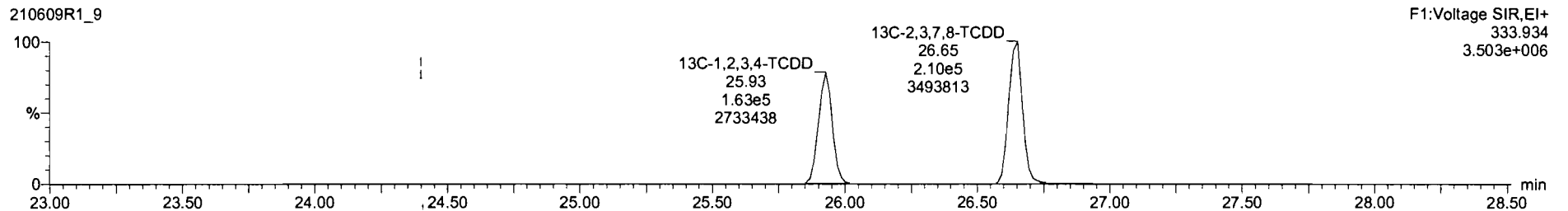
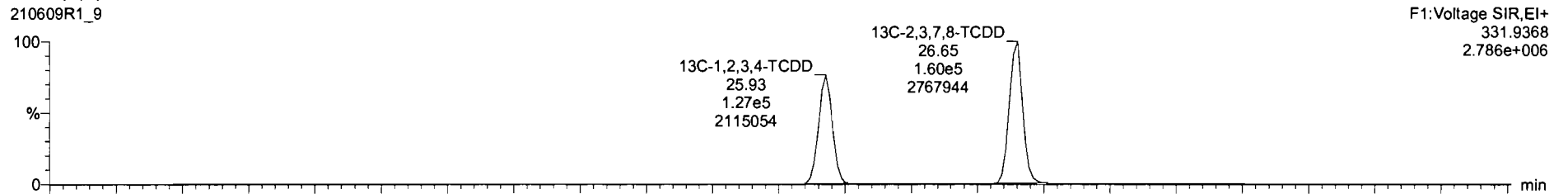
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Name: 210609R1\_9, Date: 09-Jun-2021, Time: 16:54:39, ID: 2105047-03 USMPDI-031SG-210504 24.65, Description: USMPDI-031SG-210504

**2,3,7,8-TCDD**



**<sup>13</sup>C-2,3,7,8-TCDD**

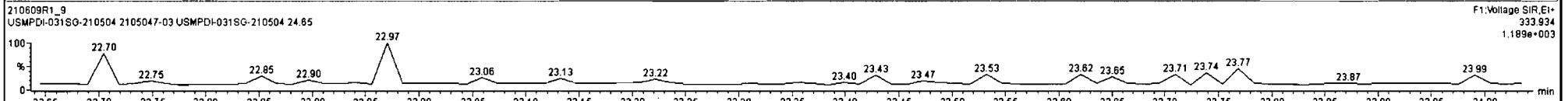
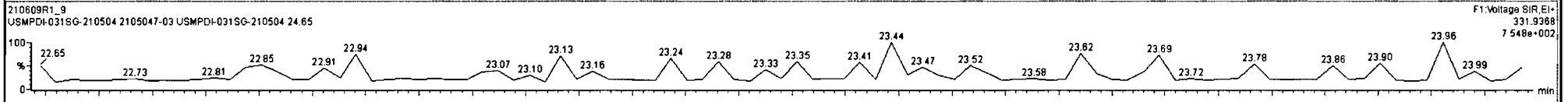
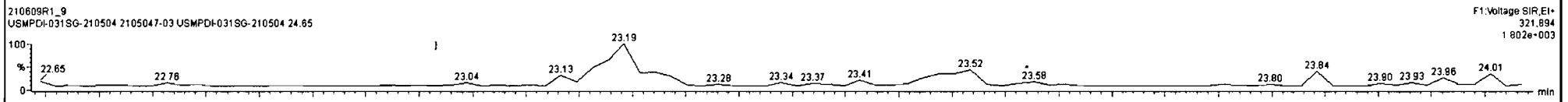
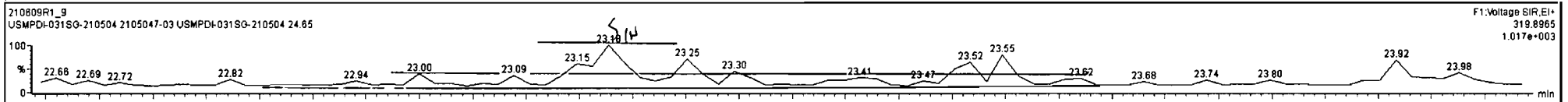




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#	Name	Resp	RA	n/y	RRF	wt/val	RT	RRT	Conc.	%Rec	i	DL	EMPC
39	Total Tetra-Dioxins				0.9291	10.116			0.122			0.0158	0.181
40	Total Penta-Dioxins				0.8257	10.116						0.0598	
41	Total Hexa-Dioxins				0.8771	10.116			1.86			0.189	1.86
42	Total Hepta-Dioxins				0.8987	10.116			15.0			0.313	15.0
43	Total Tetra-Furans				0.7466	10.116			0.000			0.0328	0.729
44	1st Func. Penta-Furans				0.8771	10.116			0.547			0.0391	0.547

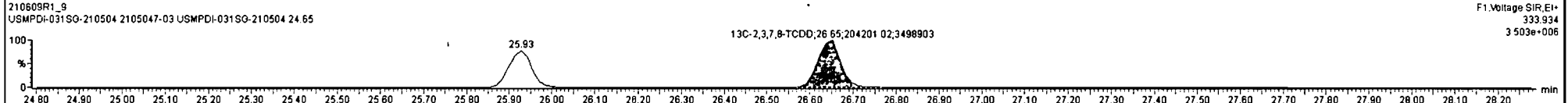
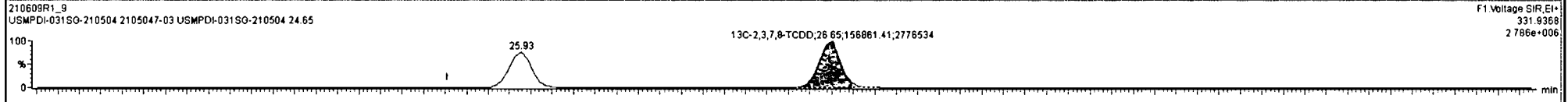
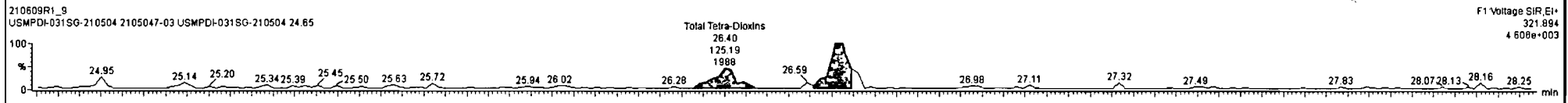
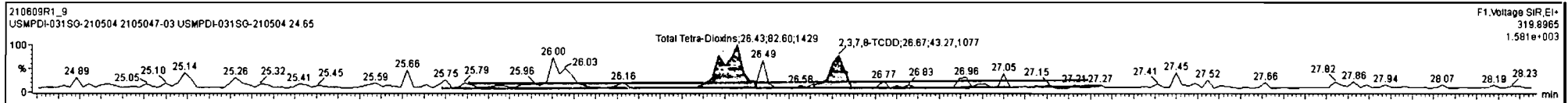
#	Name	RT (y)	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Dioxins	26.43	8.260e1	1.252e2	0.88	NO	0.12248	0.12248
2	2,3,7,8-TCDD	26.67	4.327e1	2.475e2	0.17	YES	0.058615	0.00000



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Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9291	10.116			0.178		0.0158	0.236
40 Total Penta-Dioxins				0.8257	10.116					0.0596	
41 Total Hexa-Dioxins				0.6771	10.116			0.000		0.143	0.997
42 Total Hepta-Dioxins				0.6987	10.116			9.25		0.312	14.6
43 Total Tetra-Furane				0.7466	10.116			0.000		0.0328	0.257
44 1st Func. Penta-Furane				0.6771	10.116			0.547		0.0391	0.547

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Dioxins	23.18	3.796e1	5.594e1	0.68	NO	0.055342	0.055342
2 Total Tetra-Dioxins	26.43	8.260e1	1.252e2	0.66	NO	0.12246	0.12246
3 2,3,7,8-TCDD	26.67	4.327e1	2.475e2	0.17	YES	0.050615	0.00000



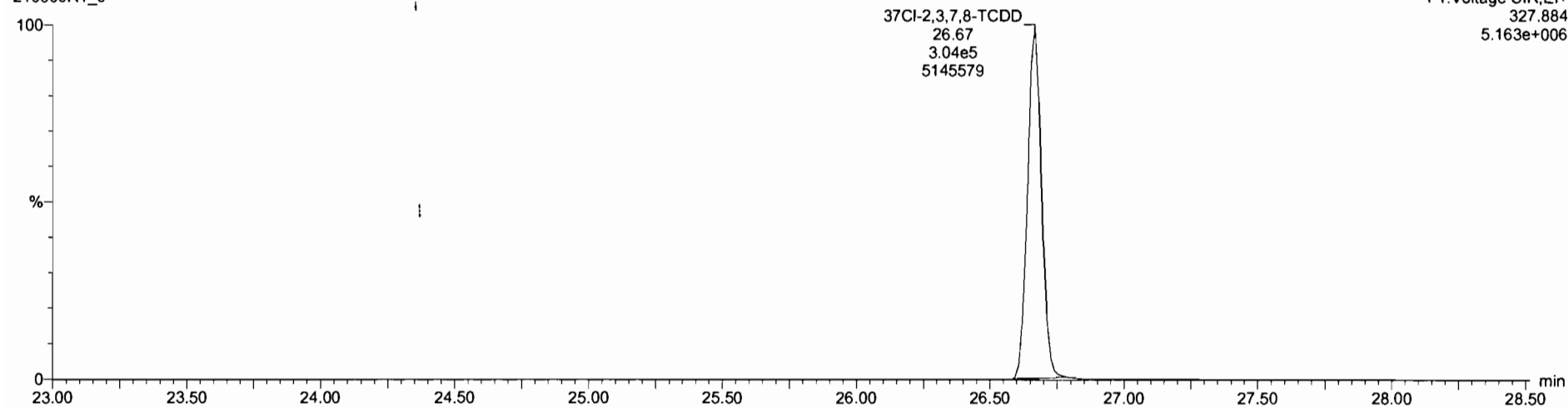
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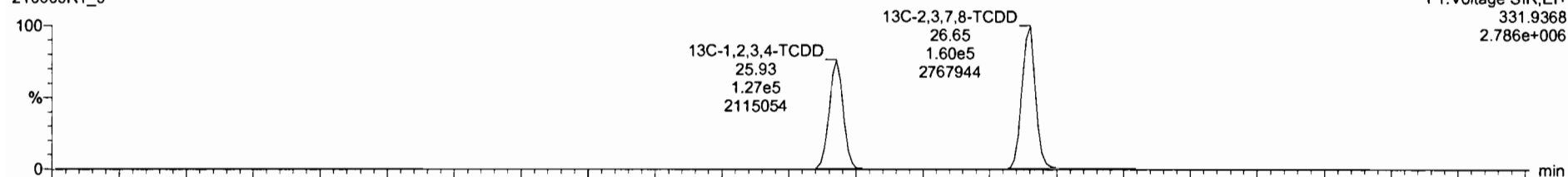
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210609R1\_9

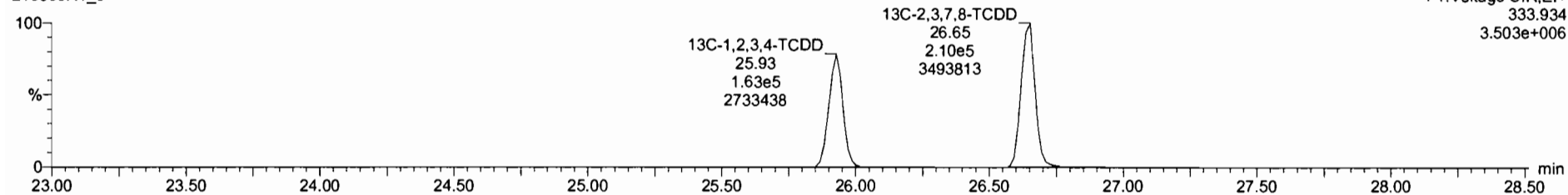


**13C-1,2,3,4-TCDD**

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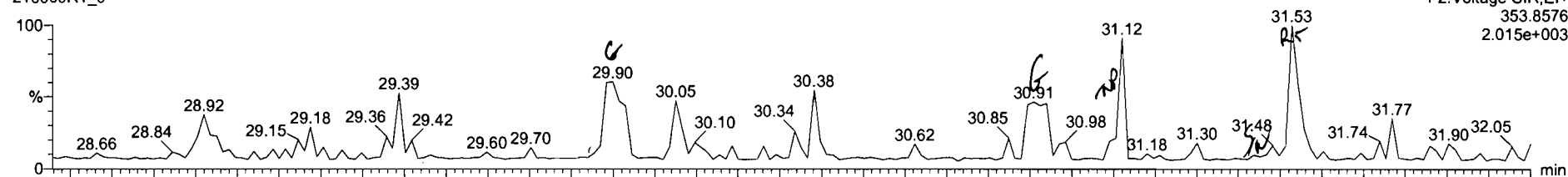
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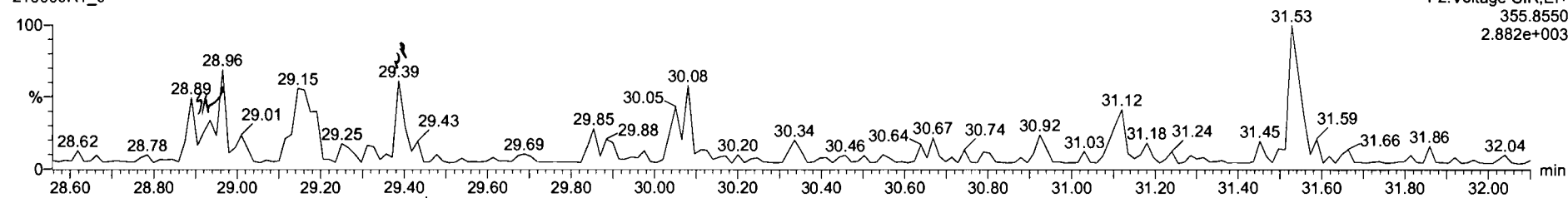
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1,2,3,7,8-PeCDD

210609R1\_9



210609R1\_9

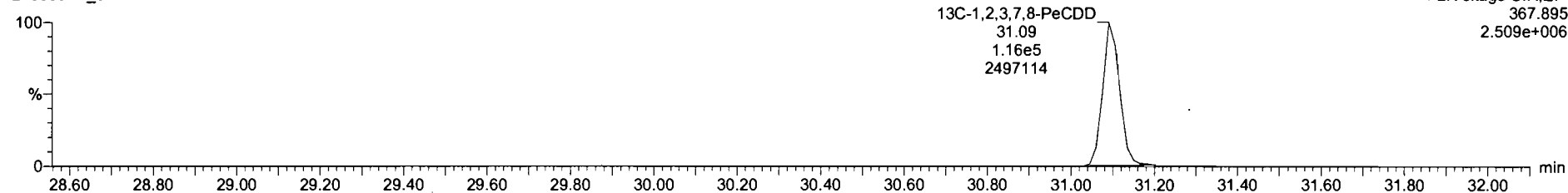


13C-1,2,3,7,8-PeCDD

210609R1\_9



210609R1\_9

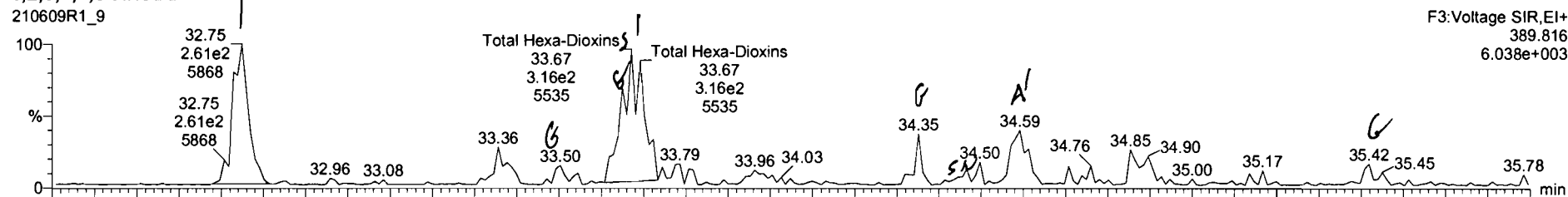


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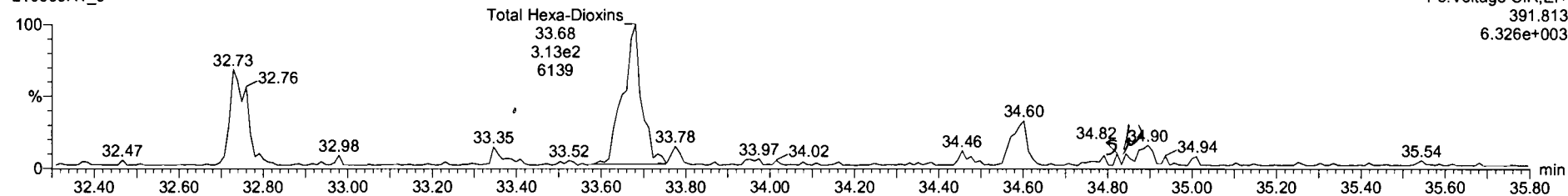
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1,2,3,4,7,8-HxCDD



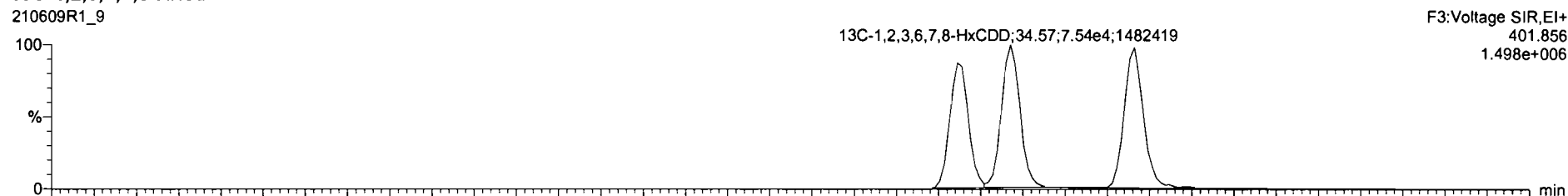
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6.038e+003

210609R1\_9



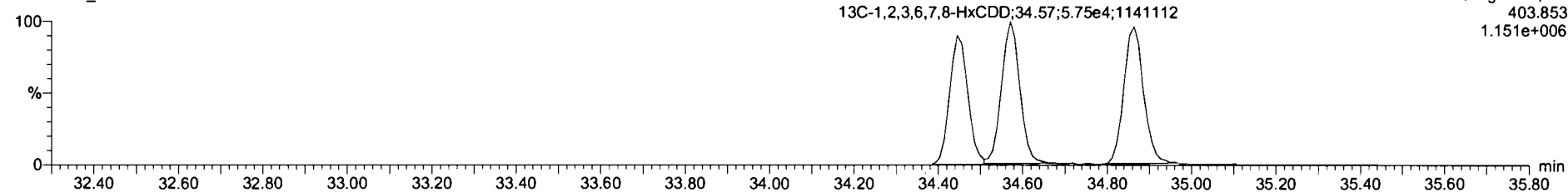
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13C-1,2,3,4,7,8-HxCDD



F3:Voltage SIR,EI+  
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210609R1\_9

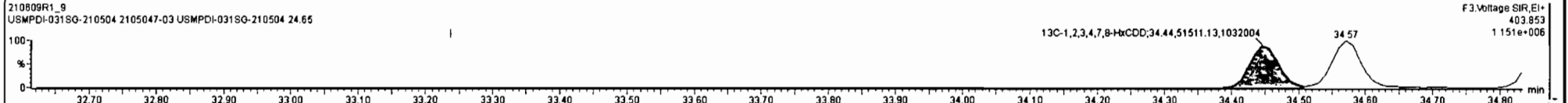
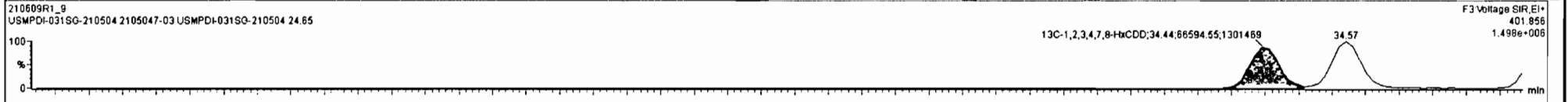
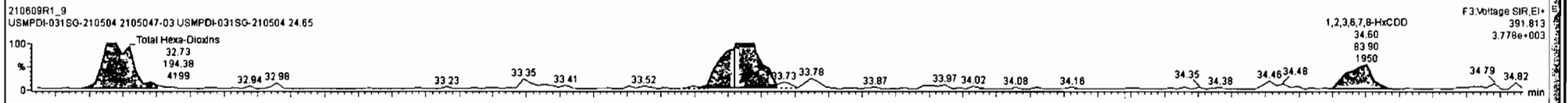
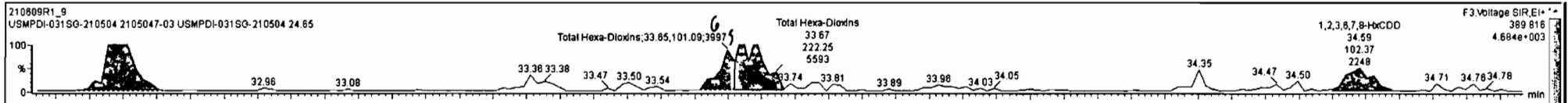


F3:Voltage SIR,EI+  
403.853  
1.151e+006

210609R1\_9 - 2105047-03 USMPDI-031SG-210504 24.65 - USMPDI-031SG-210504

Name	RT	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins	0.9291	10.116							0.178		0.0158	0.236
40 Total Penta-Dioxins	0.6257	10.116									0.0598	
41 Total Hexa-Dioxins	0.8771	10.116							1.11		0.189	2.20
42 Total Hepta-Dioxins	0.8987	10.116							9.25		0.312	14.6
43 Total Tetra-Furans	0.7466	10.116							0.000		0.0328	0.257
44 1st Func. Penta-Furans	0.8771	10.116							0.547		0.0391	0.547

Name	RT / s	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	32.75	2.625e2	1.944e2	1.35	NO	0.79724	0.79724
2 Total Hexa-Dioxins	33.65	1.011e2	9.352e1	1.08	NO	0.33959	0.00000
3 Total Hexa-Dioxins	33.67	2.222e2	2.083e2	1.07	NO	0.75133	0.00000
4 1,2,3,6,7,8-HxCDD	34.59	1.024e2	8.390e1	1.22	NO	0.31599	0.31599

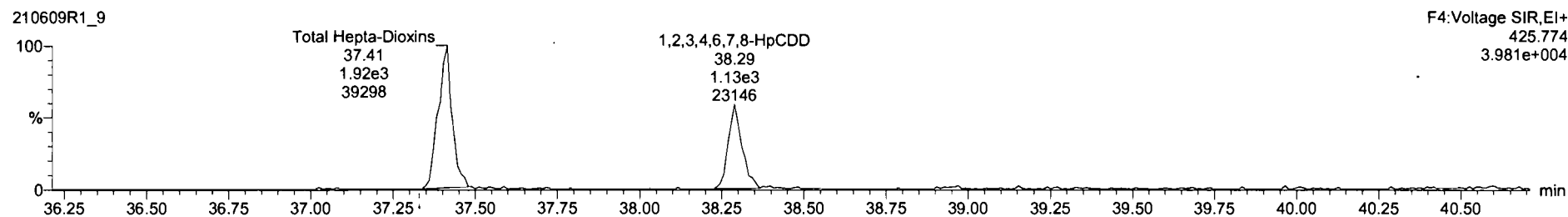
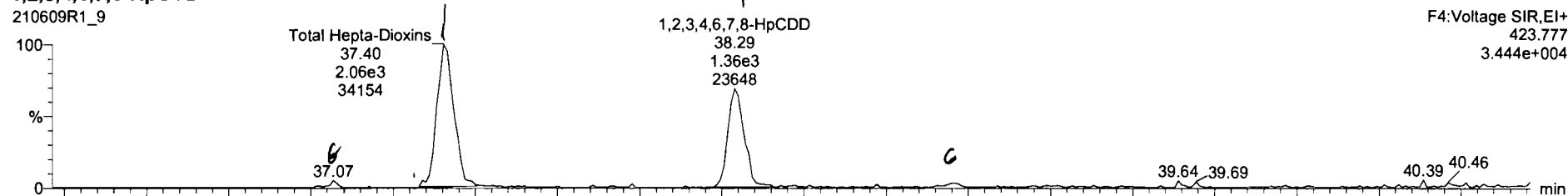


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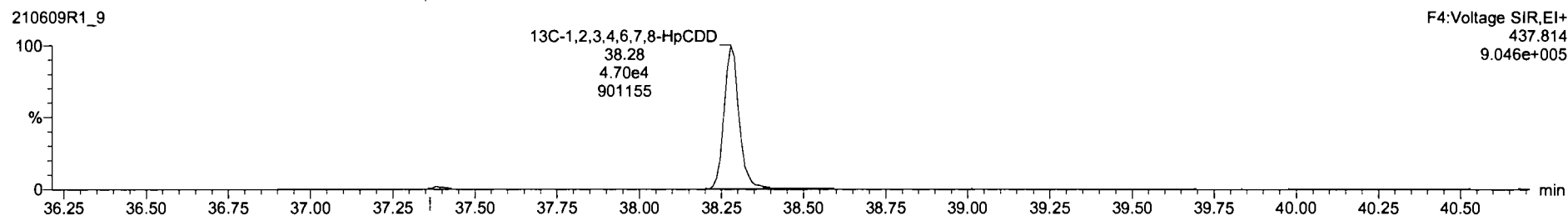
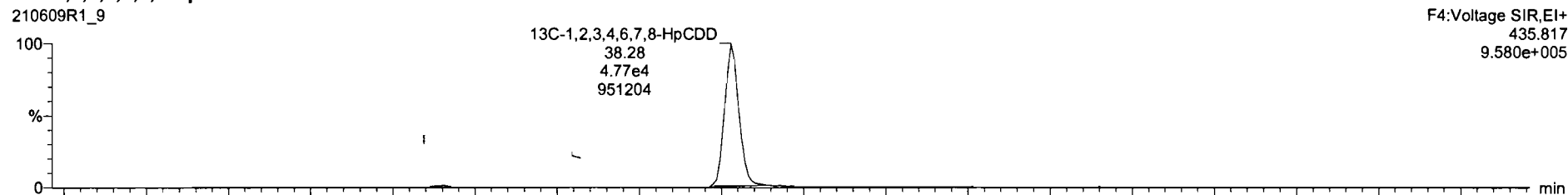
Last Altered: Tuesday, June 15, 2021 13:41:45 Pacific Daylight Time  
Printed: Tuesday, June 15, 2021 13:42:14 Pacific Daylight Time

Name: 210609R1\_9, Date: 09-Jun-2021, Time: 16:54:39, ID: 2105047-03 USMPDI-031SG-210504 24.65, Description: USMPDI-031SG-210504

### 1,2,3,4,6,7,8-HpCDD



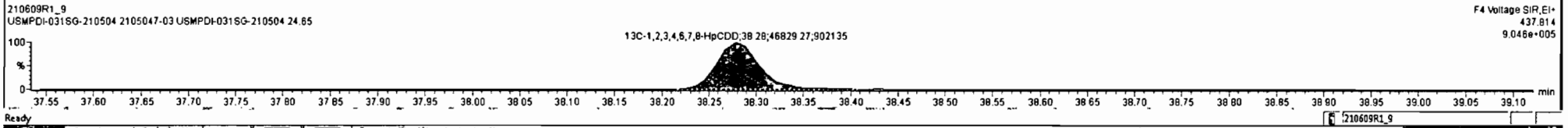
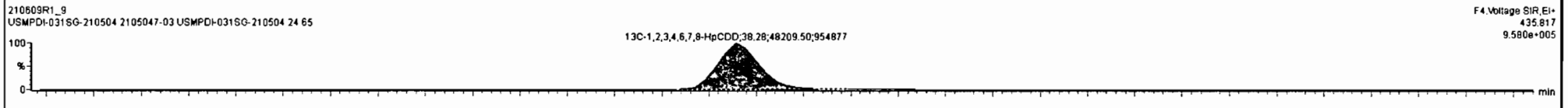
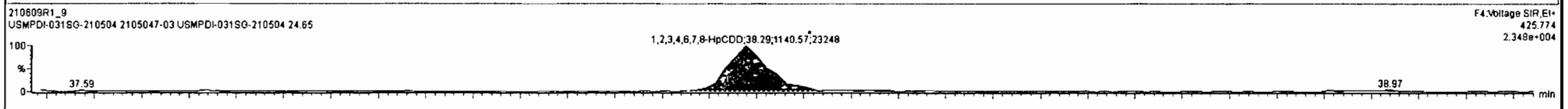
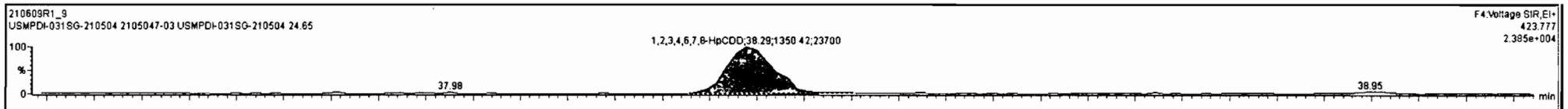
### 13C-1,2,3,4,6,7,8-HpCDD



210609R1\_9 - 2105047-03 USMPDI-031SG-210504 24 65 - USMPDI-031SG-210504

Name	Resp	RA	n/y	RF	w/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9291	10.118			0.178		0.0158	0.236
40 Total Penta-Dioxins				0.8257	10.116					0.0596	
41 Total Hexa-Dioxins				0.8771	10.118			1.06		0.189	1.06
42 Total Hepta-Dioxins				0.8987	10.116			15.0		0.313	15.0
43 Total Tetra-Furans				0.7466	10.118			0.000		0.0326	0.257
44 1st Func. Penta-Furans				0.8771	10.116			0.547		0.0391	0.547

Name	RT /	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hepta-Dioxins	37.40	2.061e3	1.924e3	1.07	NO	9.2230	9.2230
2 1,2,3,4,6,7,8-HpCDD	38.29	1.350e3	1.141e3	1.18	NO	5.7657	5.7657

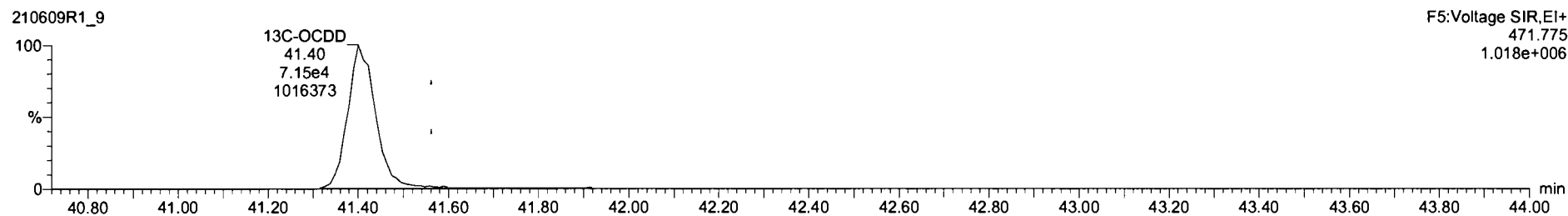
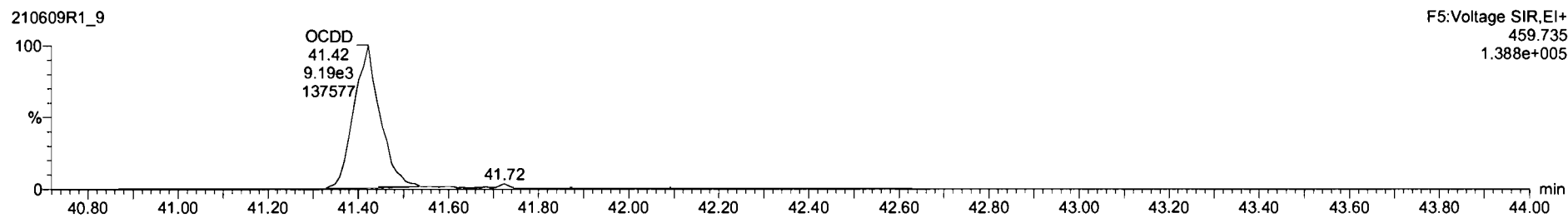
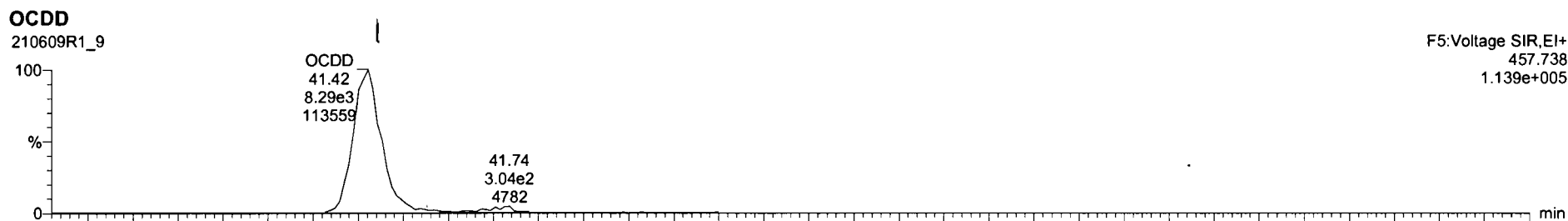




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Printed: Tuesday, June 15, 2021 13:42:14 Pacific Daylight Time

Name: 210609R1\_9, Date: 09-Jun-2021, Time: 16:54:39, ID: 2105047-03 USMPDI-031SG-210504 24.65, Description: USMPDI-031SG-210504

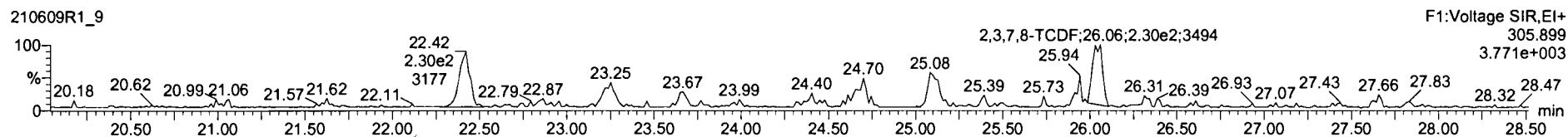
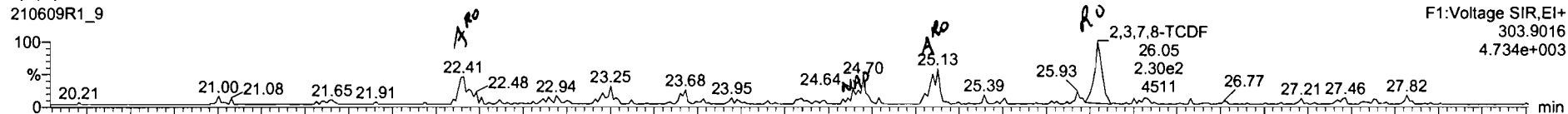


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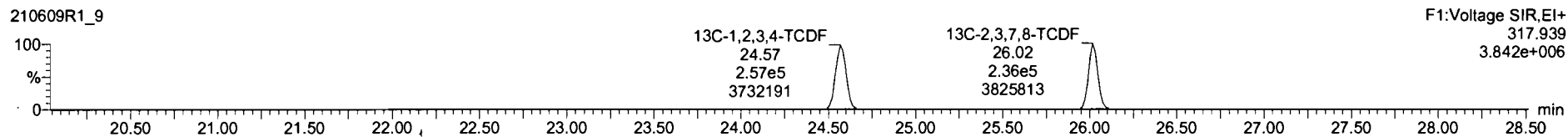
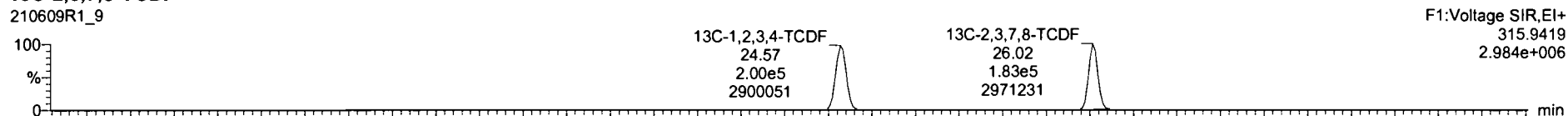
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Printed: Tuesday, June 15, 2021 13:42:14 Pacific Daylight Time

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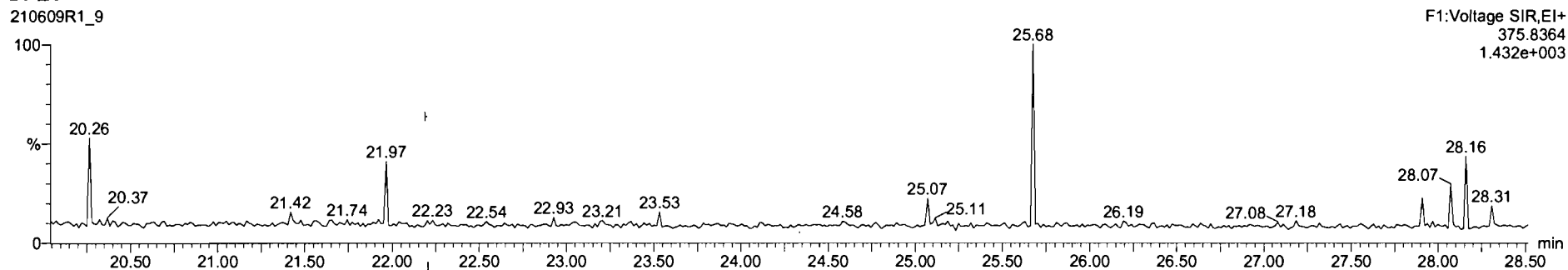
**2,3,7,8-TCDF**



**13C-2,3,7,8-TCDF**



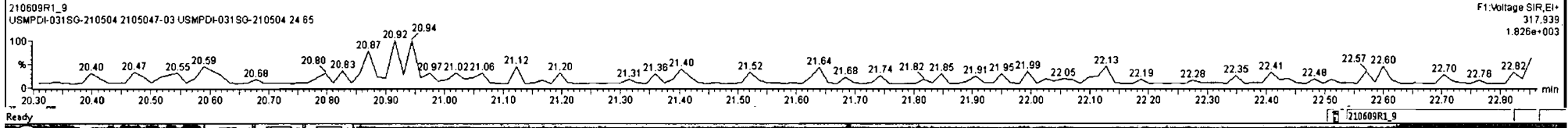
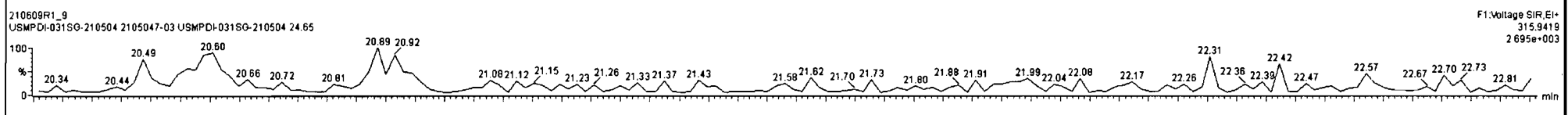
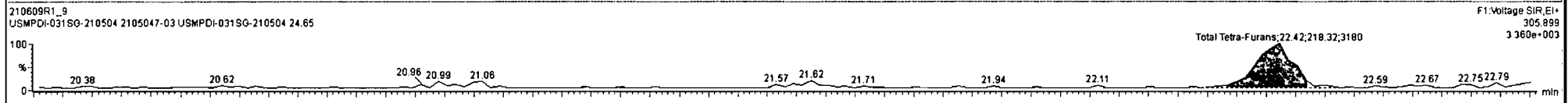
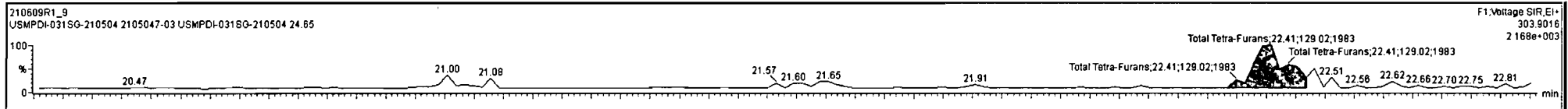
**DPE1**



210609R1\_9 - 2105047-03 USMPDI-031SG-210504 24 65 - USMPDI-031SG-210504

#	Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
43	Total Tetra-Furans				0.7466	10.116			0.000		0.0326	0.729
44	1st Func. Penta-Furans				0.6771	10.116			0.547		0.0391	0.547
45	Total Penta-Furans				0.6771	10.116			0.363		0.112	0.626
46	Total Hexa-Furans				0.9725	10.116			1.77		0.136	1.77
47	Total Hepta-Furans				1.0481	10.116			3.82		0.116	3.82
48	PFK1											

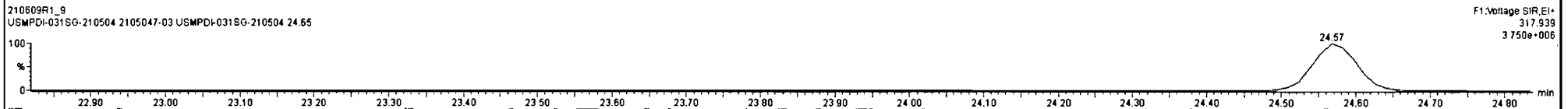
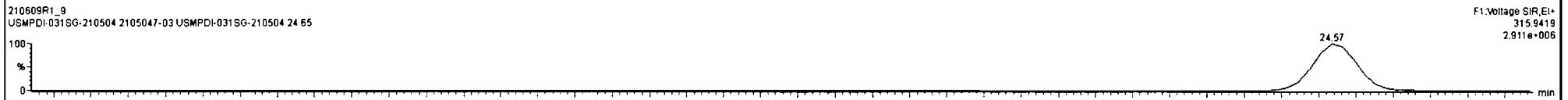
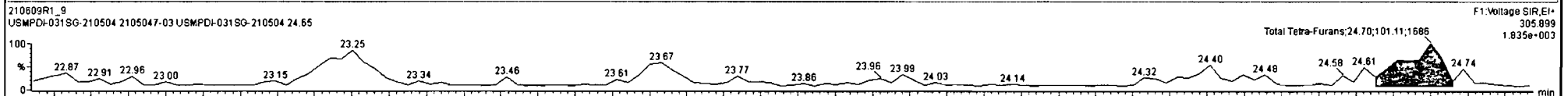
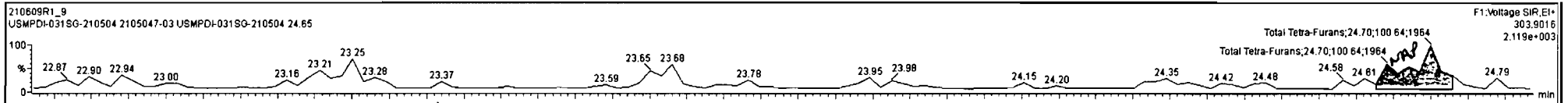
#	Name	RT / s	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Furans	22.41	1.290e2	2.183e2	0.59	YES	0.18763	0.00000
2	Total Tetra-Furans	24.70	1.005e2	1.011e2	1.00	YES	0.11321	0.00000
3	Total Tetra-Furans	25.13	1.471e2	1.385e2	1.06	YES	0.15504	0.00000
4	2,3,7,8-TCDF	26.05	2.356e2	2.440e2	0.97	YES	0.27317	0.00000



210609R1\_9 - 2105047-03 USMPDI-031SG-210504 24 65 - USMPDI-031SG-210504

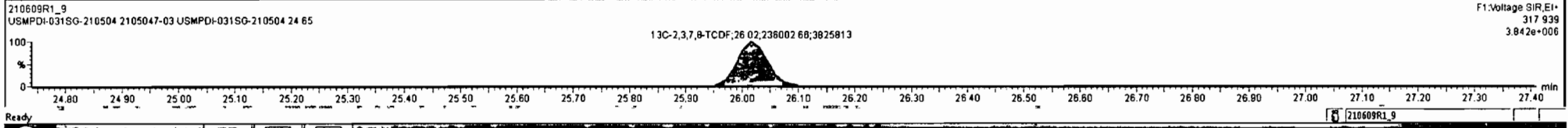
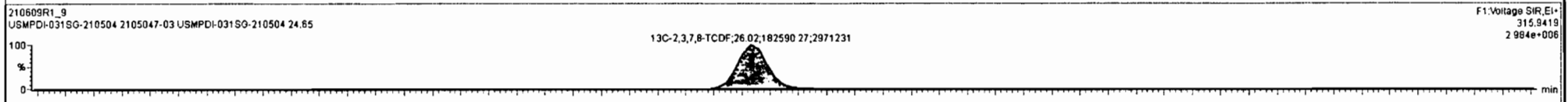
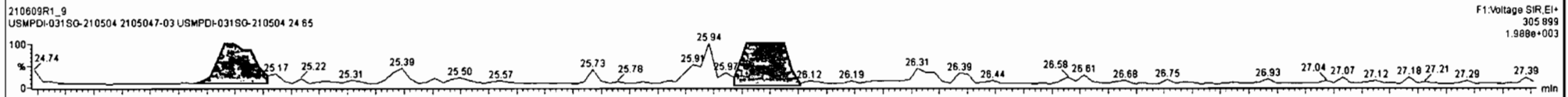
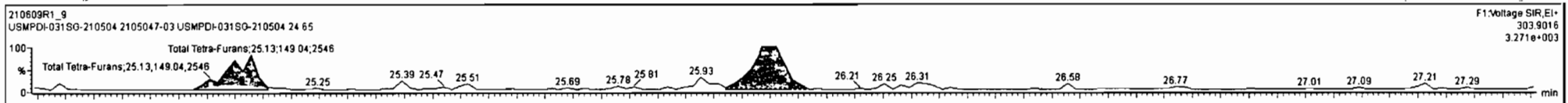
Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7466	10.116			0.000		-0.0326	0.729
44 1st Func. Penta-Furans				0.8771	10.116			0.547		0.0391	0.547
45 Total Penta-Furans				0.8771	10.116			0.363		0.112	0.826
46 Total Hexa-Furans				0.9725	10.116			1.77		0.136	1.77
47 Total Hepta-Furans				1.0481	10.116			3.82		0.118	3.82
48 PFK1											

Name	RT / s	m1 Resp	m2 Resp	RA	n/y	EMPC -	Conc.
1 Total Tetra-Furans	22.41	1.290e2	2.183e2	0.59	YES	0.18763	0.00000
2 Total Tetra-Furans	24.70	1.006e2	1.011e2	1.00	YES	0.11321	0.00000
3 Total Tetra-Furans	25.13	1.471e2	1.385e2	1.06	YES	0.15504	0.00000
4 2,3,7,8-TCDF	26.05	2.356e2	2.440e2	0.97	YES	0.27317	0.00000



Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7466	10.116			0.000	0.0326	0.631	
44 1st Func. Penta-Furans				0.8771	10.116			0.549	0.0390	0.549	
45 Total Penta-Furans				0.8771	10.116			0.354	0.111	0.715	
46 Total Hexa-Furans				0.9725	10.116			1.77	0.136	1.77	
47 Total Hepta-Furans				1.0481	10.116			3.74	0.118	3.74	
48 PFK1											

Name	RT / s	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	22.41	1.290e2	2.183e2	0.59	YES	0.18763	0.00000
2 Total Tetra-Furans	25.13	1.490e2	1.385e2	1.08	YES	0.15504	0.00000
3 2,3,7,8-TCDF	26.05	2.396e2	2.578e2	0.93	YES	0.28872	0.00000



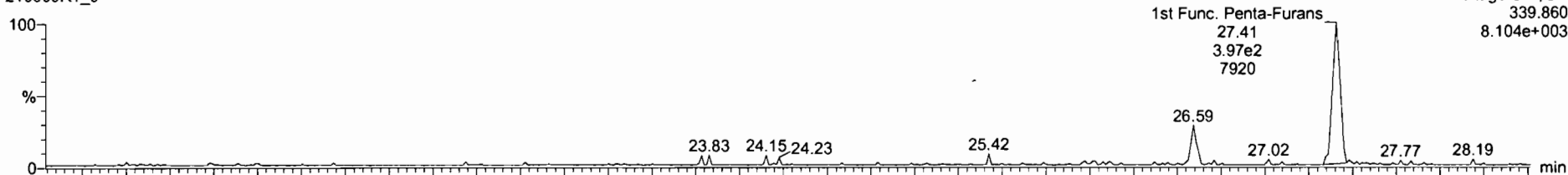
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Printed: Tuesday, June 15, 2021 13:42:14 Pacific Daylight Time

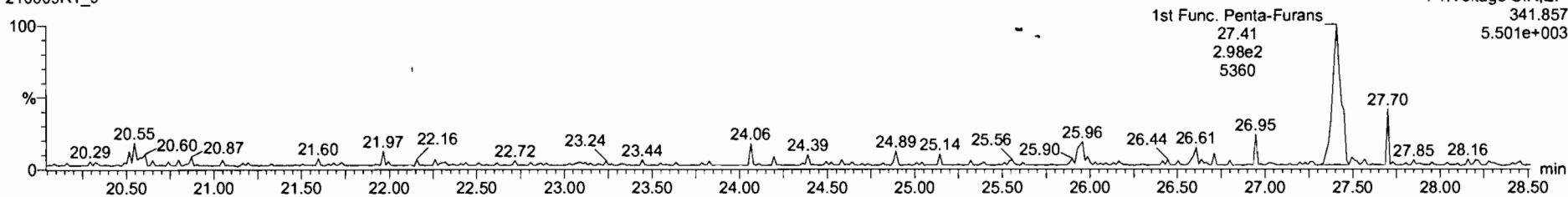
Name: 210609R1\_9, Date: 09-Jun-2021, Time: 16:54:39, ID: 2105047-03 USMPDI-031SG-210504 24.65, Description: USMPDI-031SG-210504

1st Func. Penta-Furans

210609R1\_9

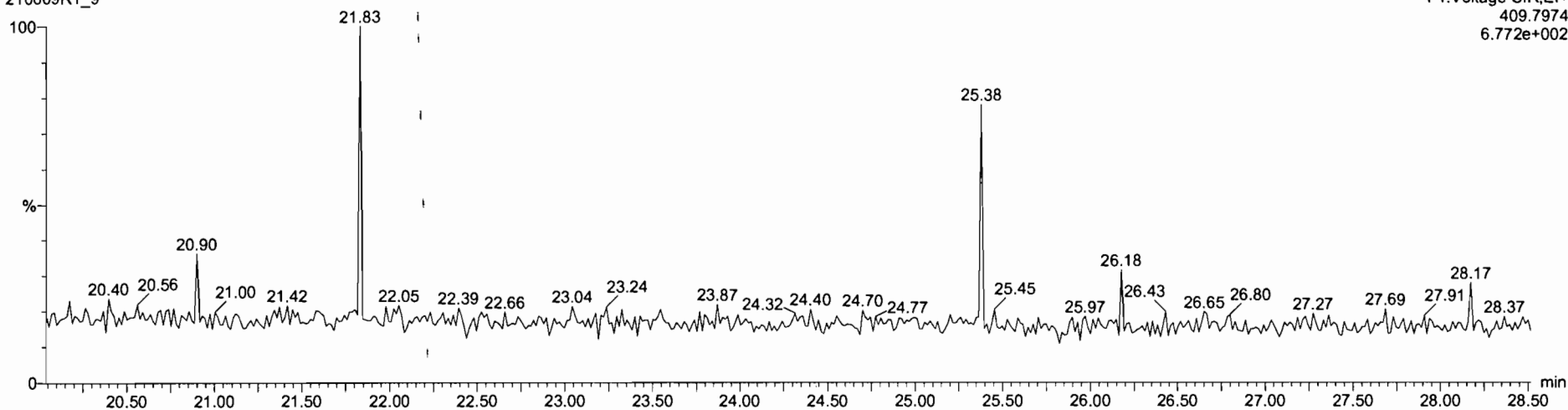


210609R1\_9



DPE6

210609R1\_9

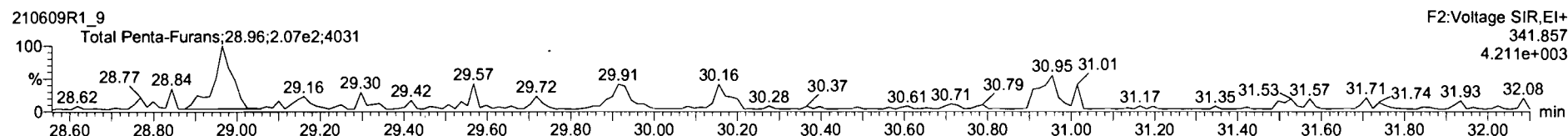
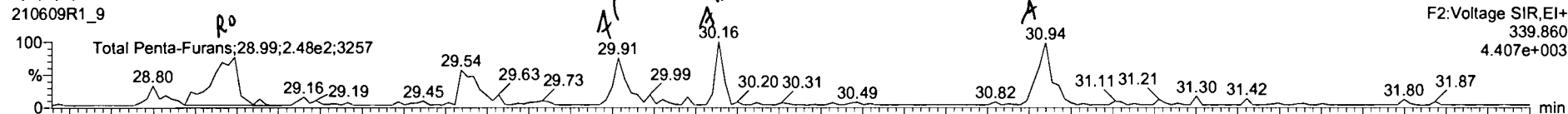


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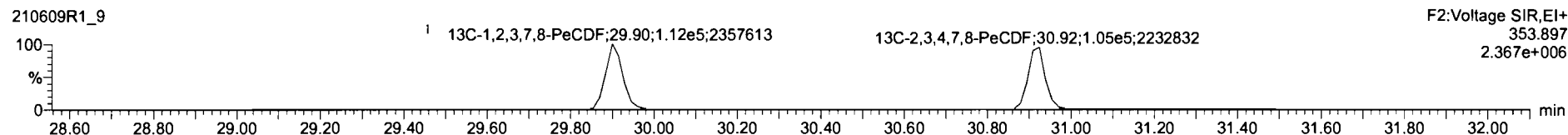
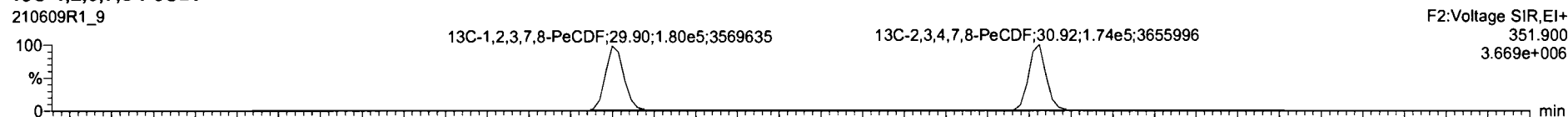
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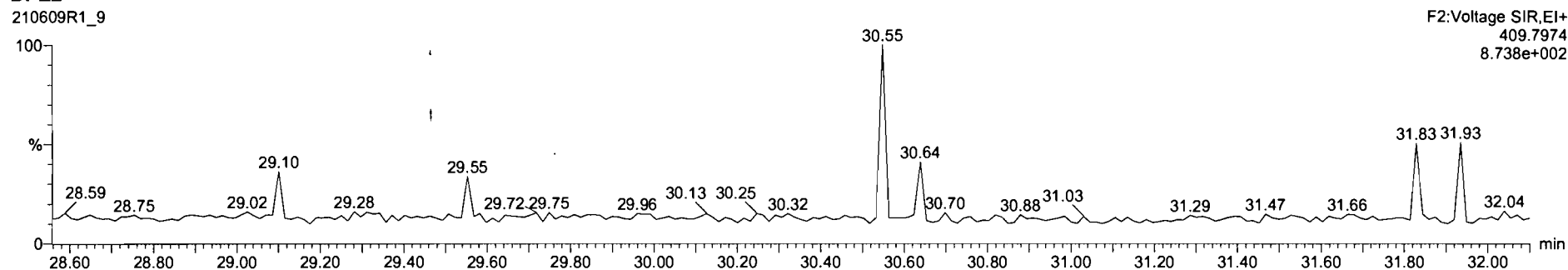
**1,2,3,7,8-PeCDF**



**13C-1,2,3,7,8-PeCDF**



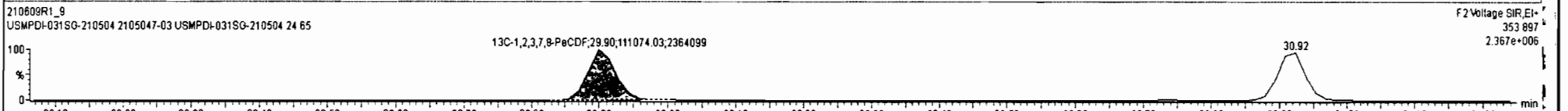
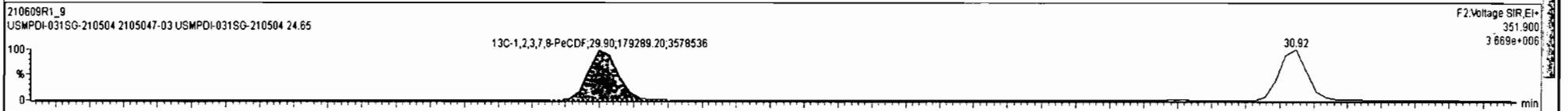
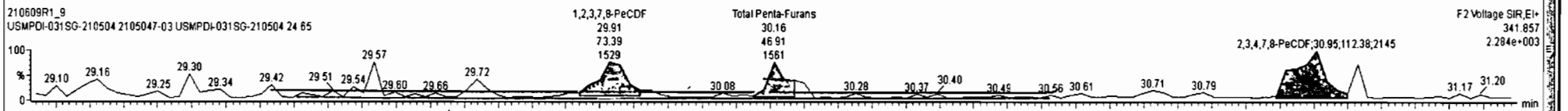
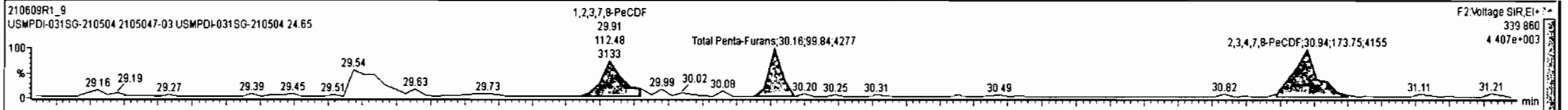
**DPE2**



210609R1\_9 - 2105047-03 USMPDI-031SG-210504 24 65 - USMPDI-031SG-210504

Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	.DL	EMPC
43 Total Tetra-Furans				0.7466	10.116			0.000	0.0328	0.343	
44 1st Func. Penta-Furans				0.8771	10.116			0.549	0.0390	0.549	
45 Total Penta-Furans				0.8771	10.116			0.354	0.111	0.715	
46 Total Hexa-Furans				0.9725	10.116			1.77	0.138	1.77	
47 Total Hepta-Furans				1.0481	10.116			3.82	0.118	3.82	
48 PFK1											

Name	RT / y	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.99	2.041e2	1.881e2	1.08	YES	0.26549	0.00000
2 1,2,3,7,8-PeCDF	29.91	1.125e2	7.339e1	1.53	NO	0.14429	0.14429
3 Total Penta-Furans	30.16	9.984e1	4.691e1	2.13	YES	0.094596	0.00000
4 2,3,4,7,8-PeCDF	30.94	1.738e2	1.124e2	1.55	NO	0.21020	0.21020



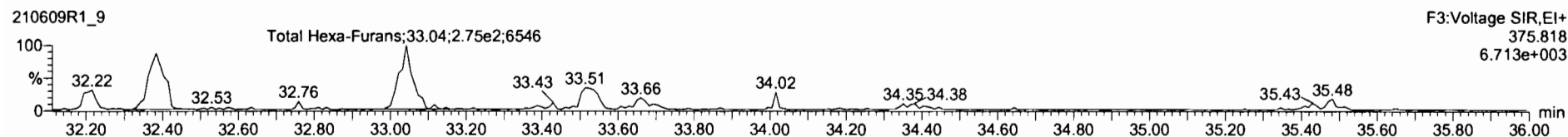
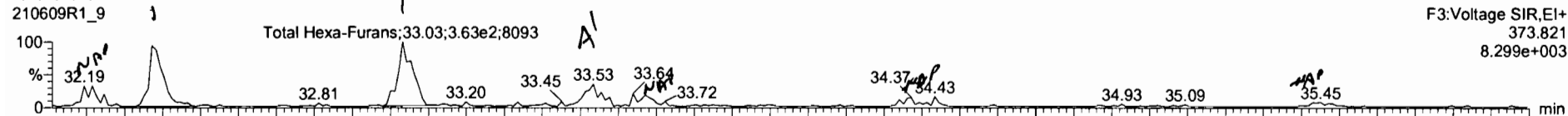


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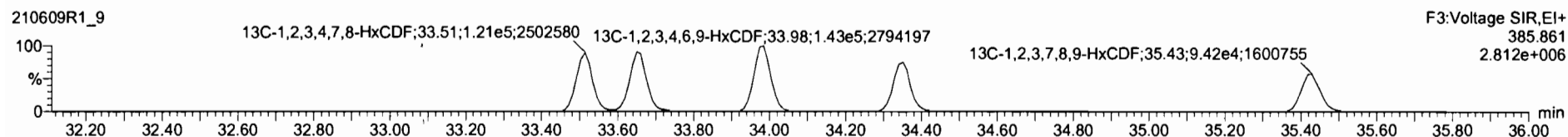
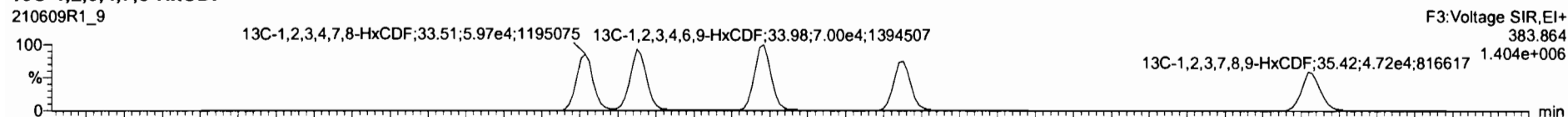
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Printed: Tuesday, June 15, 2021 13:42:14 Pacific Daylight Time

Name: 210609R1\_9, Date: 09-Jun-2021, Time: 16:54:39, ID: 2105047-03 USMPDI-031SG-210504 24.65, Description: USMPDI-031SG-210504

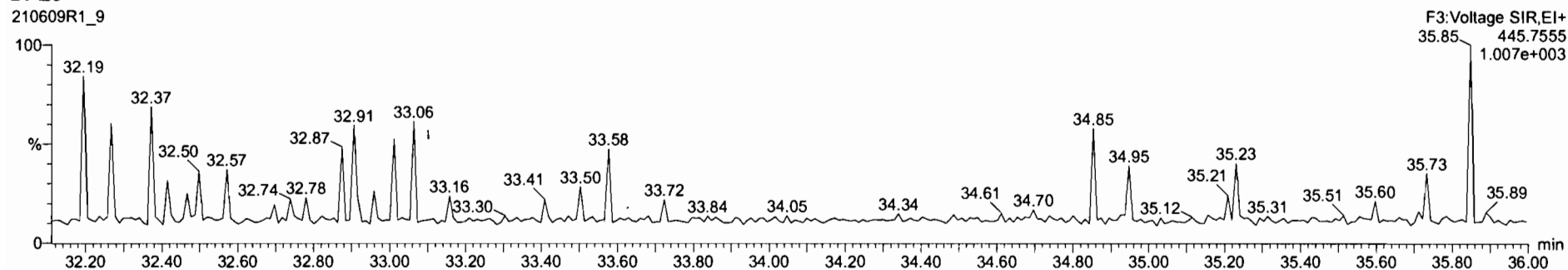
1,2,3,4,7,8-HxCDF



13C-1,2,3,4,7,8-HxCDF



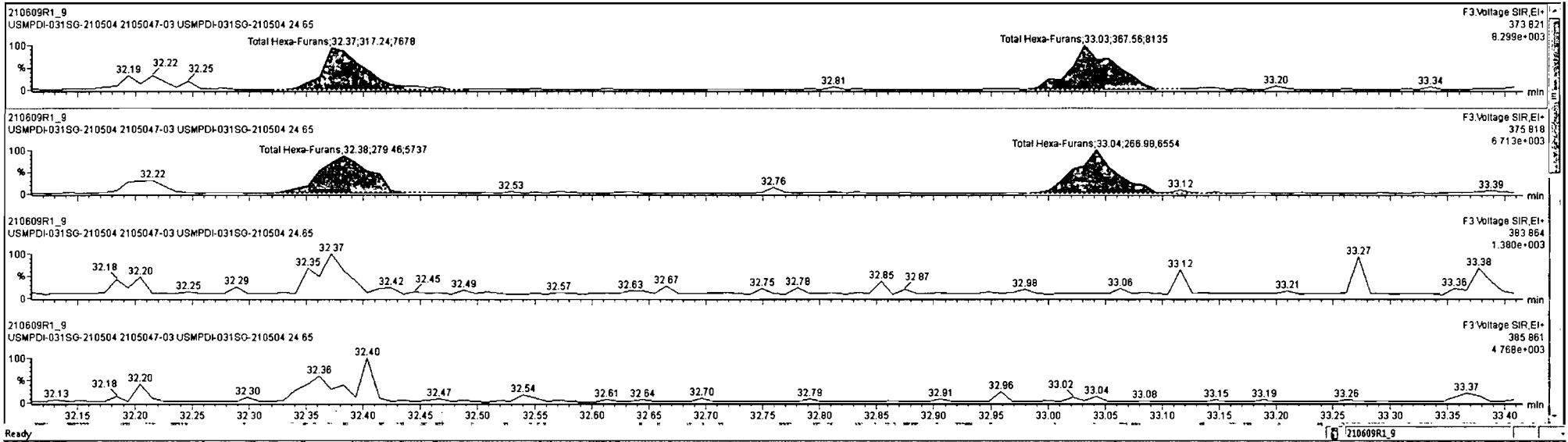
DPE3



210609R1\_9 - 2105047-03 USMPDI-031SG-210504 24 65 - USMPDI-031SG-210504

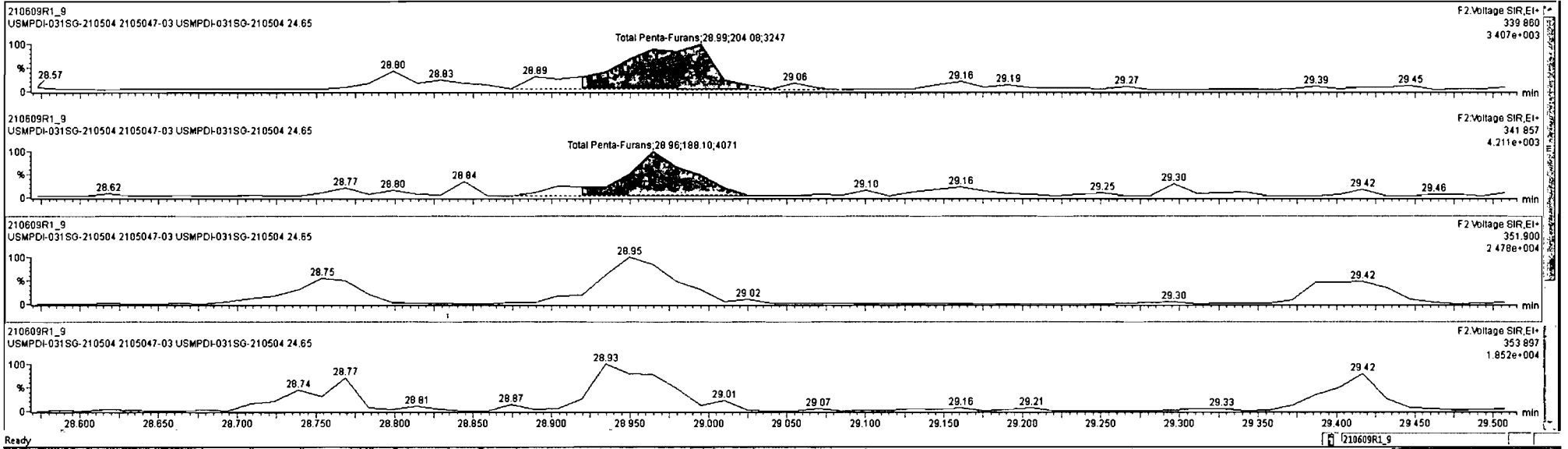
Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7468	10.116			0.000	0.0328	0.343	
44 1st Func. Penta-Furans				0.8771	10.116			0.549	0.0380	0.548	
45 Total Penta-Furans				0.8771	10.116			0.354	0.111	0.715	
46 Total Hexa-Furans				0.8725	10.116			1.77	0.138	1.77	
47 Total Hepta-Furans				1.0481	10.116			3.82	0.118	3.82	
48 PFK1											

Name	RT /s	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.37	3.172e2	2.795e2	1.14	NO	0.71577	0.71577
2 Total Hexa-Furans	33.03	3.676e2	2.670e2	1.38	NO	0.78115	0.78115
3 1,2,3,4,7,8-HxCDF	33.53	1.328e2	1.125e2	1.18	NO	0.29149	0.29149



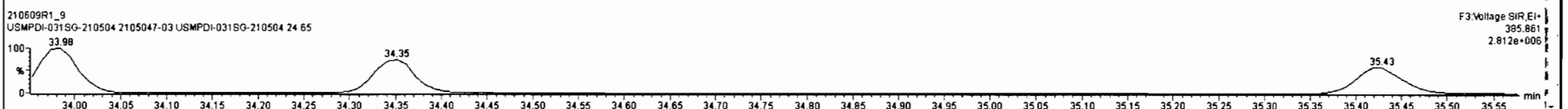
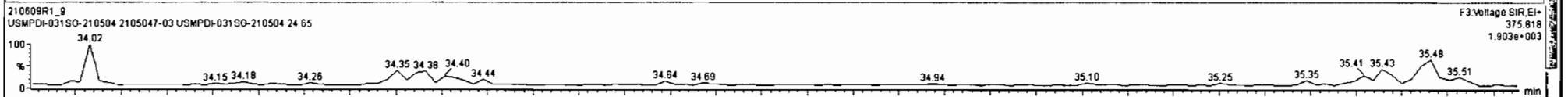
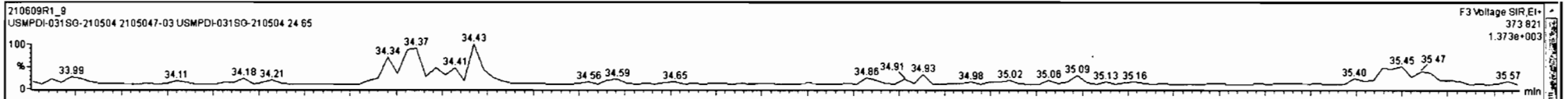
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7466	10.116			0.000	0.0328	0.343	
44 1st Func. Penta-Furans				0.8771	10.116			0.549	0.0390	0.549	
45 Total Penta-Furans				0.8771	10.116			0.354	0.111	0.620	
46 Total Hexa-Furans				0.9725	10.116			1.77	0.138	1.77	
47 Total Hepta-Furans				1.0481	10.116			3.82	0.118	3.82	
48 PFK1											

Name	RT / s	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	28.99	2.041e2	1.881e2	1.08	YES	0.26549	0.00000
2 1,2,3,7,8-PeCDF	29.91	1.125e2	7.339e1	1.53	NO	0.14429	0.14429
3 2,3,4,7,8-PeCDF	30.94	1.738e2	1.124e2	1.55	NO	0.21020	0.21020



Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7466	10.116			0.000		0.0328	0.343
44 1st Func. Penta-Furans				0.8771	10.116			0.549		0.0390	0.549
45 Total Penta-Furans				0.8771	10.116			0.354		0.111	0.715
46 Total Hexa-Furans				0.9725	10.116			1.77		0.136	1.77
47 Total Hepta-Furans				1.0461	10.116			3.82		0.118	3.82
48 PFK1											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.37	3.172e2	2.795e2	1.14	NO	0.71577	0.71577
2 Total Hexa-Furans	33.03	3.875e2	2.670e2	1.30	NO	0.75115	0.75115
3 1,2,3,4,7,8-HxCDF	33.53	1.328e2	1.125e2	1.18	NO	0.29149	0.29149



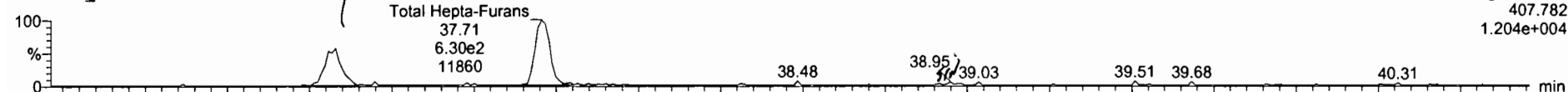
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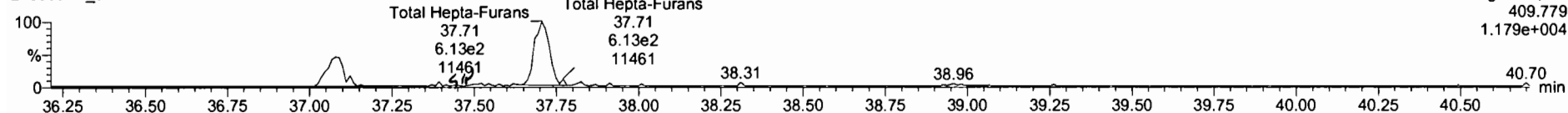
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**1,2,3,4,6,7,8-HpCDF**

210609R1\_9

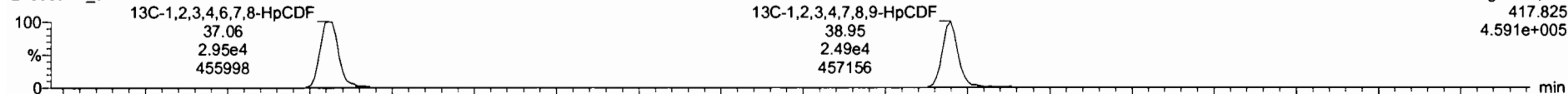


210609R1\_9

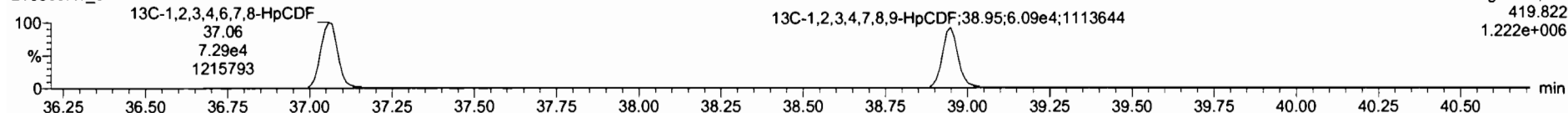


**13C-1,2,3,4,6,7,8-HpCDF**

210609R1\_9

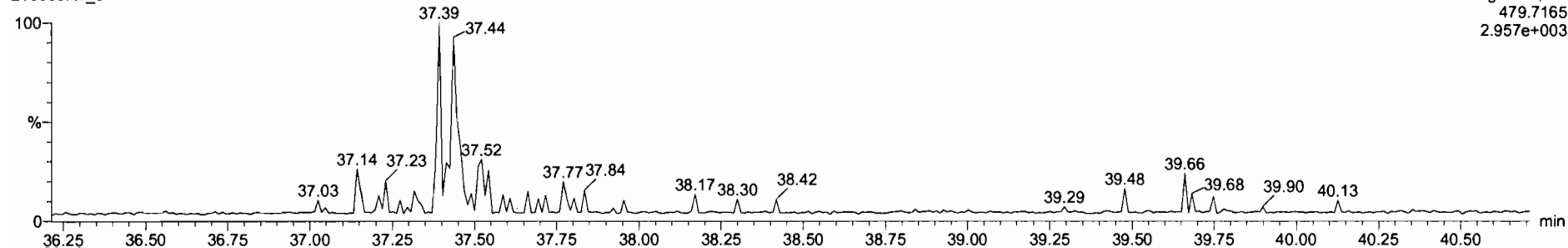


210609R1\_9



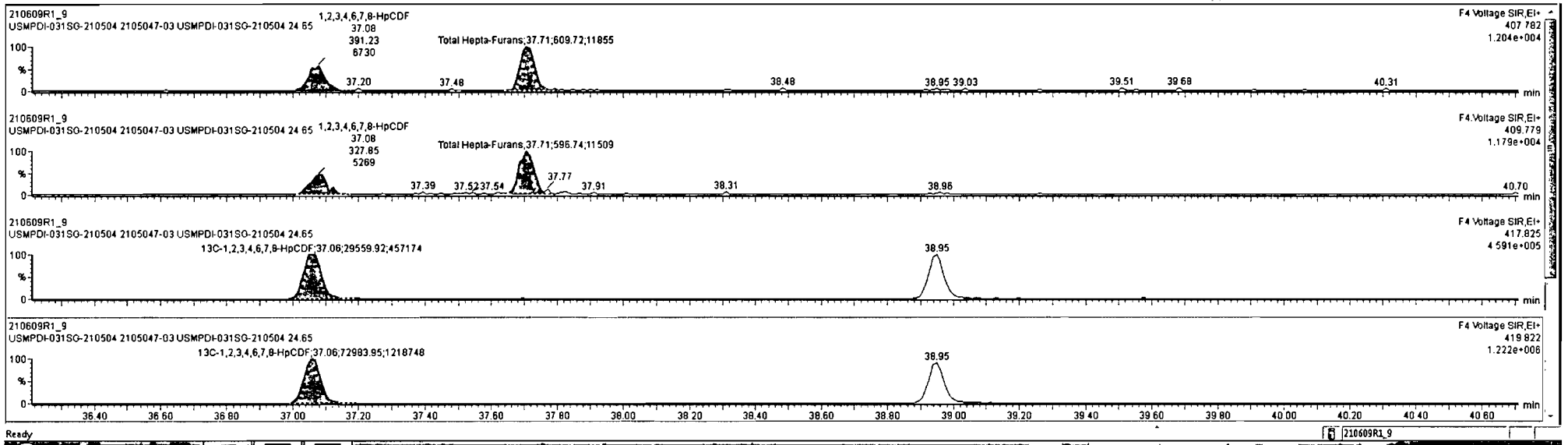
**DPE4**

210609R1\_9



Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7468	10.116			0.000	0.0328	0.343	
44 1st Func. Penta-Furans				0.6771	10.116			0.549	0.0380	0.549	
45 Total Penta-Furans				0.6771	10.116			0.354	0.111	0.715	
46 Total Hexa-Furans				0.9725	10.116			1.77	0.136	1.77	
47 Total Hepta-Furans				1.0481	10.116			3.74	0.116	3.74	
48 PFK1											

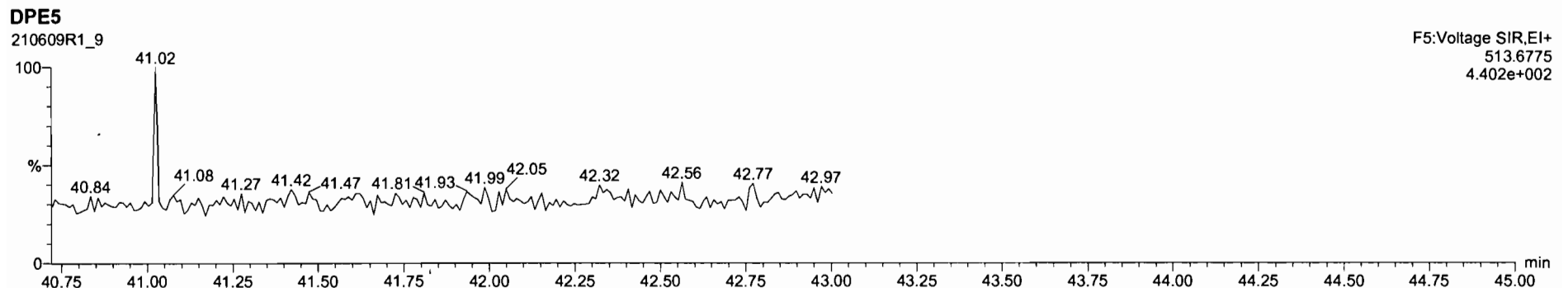
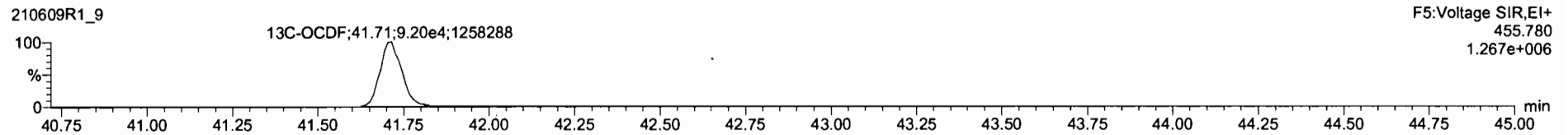
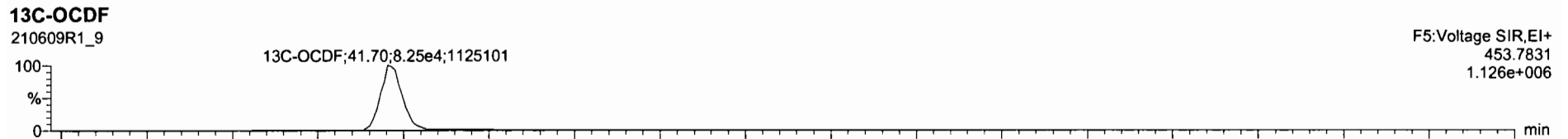
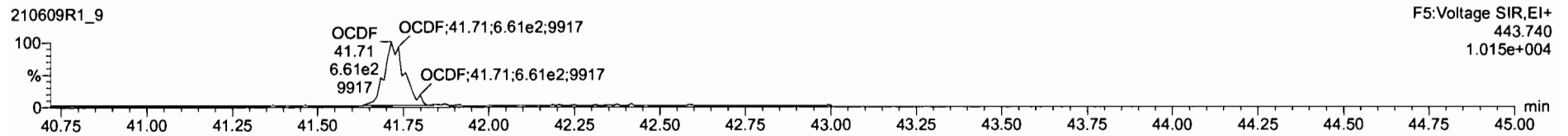
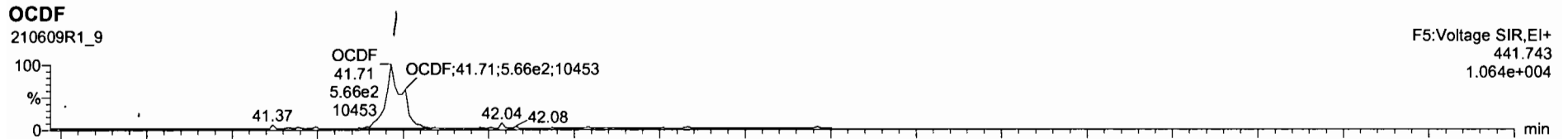
Name	RT / μ	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.08	3.912e2	3.278e2	1.19	NO	1.3228	1.3228
2 Total Hepta-Furans	37.71	6.097e2	5.967e2	1.02	NO	2.4167	2.4167



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Printed: Tuesday, June 15, 2021 13:42:14 Pacific Daylight Time

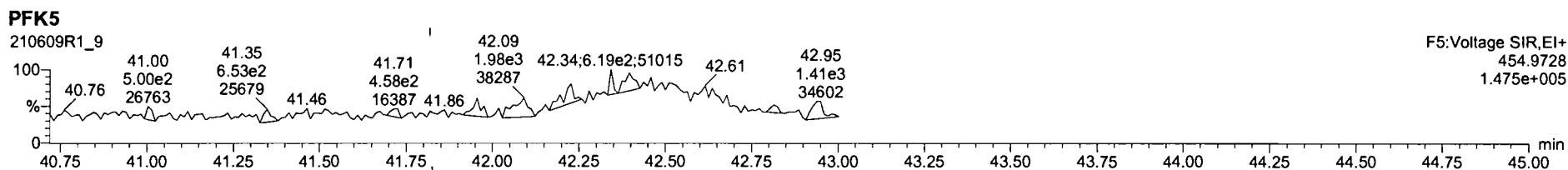
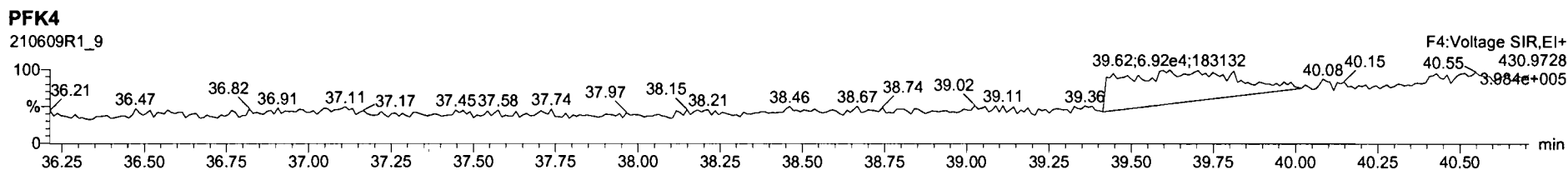
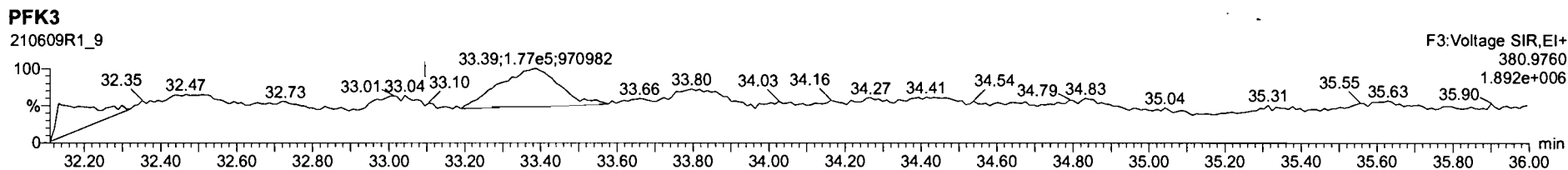
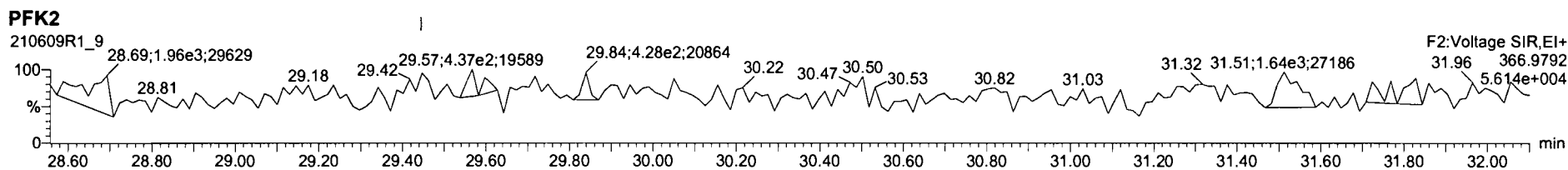
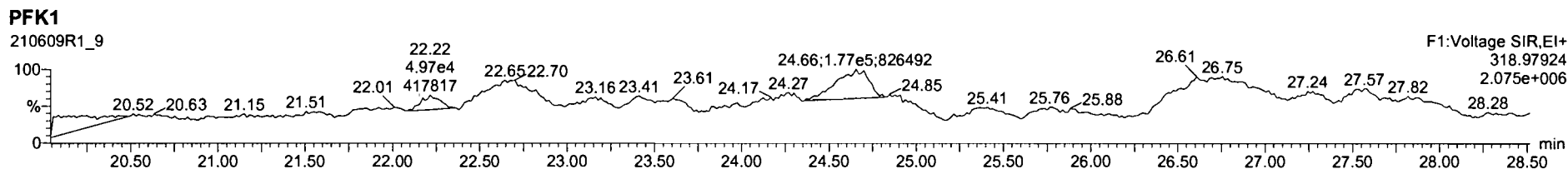
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Printed: Tuesday, June 15, 2021 13:42:14 Pacific Daylight Time

Name: 210609R1\_9, Date: 09-Jun-2021, Time: 16:54:39, ID: 2105047-03 USMPDI-031SG-210504 24.65, Description: USMPDI-031SG-210504





Dataset: U:\VG12.PRO\Results\210609R1\210609R1\_11.qld

Last Altered: Wednesday, June 16, 2021 12:49:38 Pacific Daylight Time  
Printed: Wednesday, June 16, 2021 12:55:29 Pacific Daylight Time

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Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

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Name: 210609R1\_11, Date: 09-Jun-2021, Time: 18:23:08, ID: 2105047-04 USMPDI-035SG-210504 20.65, Description: USMPDI-035SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	4.03e2	0.10	YES	0.929	10.043	26.669	26.65	1.001	1.001	0.21522		0.0533	0.0456
2	2 1,2,3,7,8-PeCDD			NO	0.826	10.043	31.121		1.001				0.165	
3	3 1,2,3,4,7,8-HxCDD			NO	0.972	10.043	34.466		1.001				0.211	
4	4 1,2,3,6,7,8-HxCDD	4.01e2	1.21	NO	0.877	10.043	34.592	34.59	1.001	1.001	0.60491		0.230	0.605
5	5 1,2,3,7,8,9-HxCDD	1.62e2	0.83	YES	0.874	10.043	34.874	34.88	1.000	1.001	0.24683		0.251	0.201
6	6 1,2,3,4,6,7,8-HpCDD	5.69e3	1.09	NO	0.899	10.043	38.290	38.30	1.000	1.001	12.200		0.327	12.2
7	7 OCDD	3.39e4	0.88	NO	0.852	10.043	41.398	41.39	1.000	1.000	105.94		0.802	106
8	8 2,3,7,8-TCDF	7.89e2	0.66	NO	0.747	10.043	26.019	26.05	1.000	1.001	0.43622		0.121	0.436
9	9 1,2,3,7,8-PeCDF	4.89e2	1.99	YES	0.877	10.043	29.917	29.91	1.000	1.000	0.37102		0.179	0.317
10	10 2,3,4,7,8-PeCDF	4.47e2	1.38	NO	0.962	10.043	30.946	30.94	1.001	1.000	0.30108		0.167	0.301
11	11 1,2,3,4,7,8-HxCDF	6.54e2	1.22	NO	0.920	10.043	33.523	33.52	1.000	1.000	0.71508		0.116	0.715
12	12 1,2,3,6,7,8-HxCDF	2.57e2	1.50	YES	0.936	10.043	33.670	33.67	1.001	1.001	0.25657		0.112	0.230
13	13 2,3,4,6,7,8-HxCDF	1.94e2	1.31	NO	0.973	10.043	34.361	34.36	1.001	1.001	0.21780		0.132	0.218
14	14 1,2,3,7,8,9-HxCDF			NO	0.940	10.043	35.440		1.000				0.179	
15	15 1,2,3,4,6,7,8-HpCDF	2.17e3	1.10	NO	1.05	10.043	37.087	37.07	1.000	1.000	3.6175		0.166	3.62
16	16 1,2,3,4,7,8,9-HpCDF	1.73e2	1.19	NO	1.05	10.043	38.950	38.96	1.000	1.001	0.34271		0.199	0.343
17	17 OCDF	5.68e3	0.85	NO	0.771	10.043	41.712	41.70	1.000	1.000	14.287		0.223	14.3
18	18 13C-2,3,7,8-TCDD	4.02e5	0.77	NO	1.10	10.043	26.624	26.64	1.027	1.027	241.44	121	0.217	
19	19 13C-1,2,3,7,8-PeCDD	2.10e5	0.61	NO	0.864	10.043	30.998	31.09	1.196	1.199	161.48	81.1	0.331	
20	20 13C-1,2,3,4,7,8-HxCDD	1.35e5	1.28	NO	0.746	10.043	34.443	34.44	1.014	1.014	162.73	81.7	0.577	
21	21 13C-1,2,3,6,7,8-HxCDD	1.51e5	1.31	NO	0.847	10.043	34.562	34.57	1.017	1.018	159.98	80.3	0.508	
22	22 13C-1,2,3,7,8,9-HxCDD	1.49e5	1.30	NO	0.868	10.043	34.861	34.86	1.026	1.026	154.71	77.7	0.496	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.03e5	1.11	NO	0.664	10.043	38.207	38.28	1.125	1.127	140.06	70.3	0.659	
24	24 13C-OCDD	1.49e5	0.88	NO	0.561	10.043	41.153	41.39	1.211	1.218	239.73	60.2	0.609	
25	25 13C-2,3,7,8-TCDF	4.82e5	0.77	NO	1.09	10.043	26.015	26.02	1.003	1.003	184.00	92.4	0.215	
26	26 13C-1,2,3,7,8-PeCDF	3.00e5	1.61	NO	0.809	10.043	29.730	29.91	1.147	1.154	154.28	77.5	0.562	
27	27 13C-2,3,4,7,8-PeCDF	3.07e5	1.57	NO	0.803	10.043	30.690	30.92	1.184	1.193	159.60	80.1	0.566	
28	28 13C-1,2,3,4,7,8-HxCDF	1.98e5	0.50	NO	1.01	10.043	33.515	33.51	0.987	0.986	176.17	88.5	0.777	
29	29 13C-1,2,3,6,7,8-HxCDF	2.13e5	0.49	NO	1.07	10.043	33.644	33.65	0.990	0.990	178.81	89.8	0.732	
30	30 13C-2,3,4,6,7,8-HxCDF	1.83e5	0.50	NO	0.910	10.043	34.334	34.34	1.011	1.011	180.68	90.7	0.864	
31	31 13C-1,2,3,7,8,9-HxCDF	1.58e5	0.49	NO	0.828	10.043	35.411	35.43	1.042	1.043	171.25	86.0	0.948	

Dataset: U:\VG12.PRO\Results\210609R1\210609R1\_11.qld

Last Altered: Wednesday, June 16, 2021 12:49:38 Pacific Daylight Time  
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Name: 210609R1\_11, Date: 09-Jun-2021, Time: 18:23:08, ID: 2105047-04 USMPDI-035SG-210504 20.65, Description: USMPDI-035SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.14e5	0.42	NO	0.661	10.043	37.018	37.07	1.090	1.091	155.49	78.1	0.599	
33	13C-1,2,3,4,7,8,9-HpCDF	9.63e4	0.40	NO	0.566	10.043	38.778	38.94	1.141	1.146	153.17	76.9	0.700	
34	13C-OCDF	2.05e5	0.89	NO	0.663	10.043	41.540	41.70	1.223	1.228	278.93	70.0	0.633	
35	37Cl-2,3,7,8-TCDD	3.31e5			2.07	10.043	26.824	26.67	1.035	1.029	106.12	133	0.0545	
36	13C-1,2,3,4-TCDD	3.00e5	0.77	NO	1.00	10.043	26.070	25.93	1.000	1.000	199.14	100	0.240	
37	13C-1,2,3,4-TCDF	4.78e5	0.79	NO	1.00	10.043	24.760	24.57	1.000	1.000	199.14	100	0.235	
38	13C-1,2,3,4,6,9-HxCDF	2.21e5	0.51	NO	1.00	10.043	34.040	33.97	1.000	1.000	199.14	100	0.786	
39	Total Tetra-Dioxins				0.929	10.043	24.620		0.000		0.16745		0.0270	0.213
40	Total Penta-Dioxins				0.826	10.043	29.960		0.000				0.0890	
41	Total Hexa-Dioxins				0.877	10.043	33.635		0.000		3.0937		0.238	3.30
42	Total Hepta-Dioxins				0.899	10.043	37.640		0.000		28.197		0.327	28.2
43	Total Tetra-Furans				0.747	10.043	23.610		0.000		0.83161		0.121	1.06
44	1st Func. Penta-Furans				0.877	10.043	27.620		0.000		1.0211		0.0293	1.02
45	Total Penta-Furans				0.877	10.043	29.275		0.000		1.0948		0.181	1.41
46	Total Hexa-Furans				0.973	10.043	33.555		0.000		4.2380		0.128	4.47
47	Total Hepta-Furans				1.05	10.043	37.835		0.000		10.961		0.181	11.0

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Dataset: U:\VG12.PRO\Results\210609R1\210609R1\_11.qld

Last Altered: Wednesday, June 16, 2021 12:49:38 Pacific Daylight Time

Printed: Wednesday, June 16, 2021 12:55:29 Pacific Daylight Time

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Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210609R1\_11, Date: 09-Jun-2021, Time: 18:23:08, ID: 2105047-04 USMPDI-035SG-210504 20.65, Description: USMPDI-035SG-210504

**Tetra-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	26.41	2.747e3	2.542e3	1.311e2	1.827e2	0.72	NO	3.138e2	0.16745	0.16745	0.0270
2	2,3,7,8-TCDD	26.65	1.307e3	6.549e3	3.718e1	3.661e2	0.10	YES	4.033e2	0.00000	0.045609	0.0533

**Penta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

**Hexa-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.73	9.708e3	7.777e3	4.729e2	3.524e2	1.34	NO	8.253e2	1.2926	1.2926	0.238
2	Total Hexa-Dioxins	33.36	1.649e3	1.086e3	6.560e1	5.287e1	1.24	NO	1.185e2	0.18555	0.18555	0.238
3	Total Hexa-Dioxins	33.67	8.293e3	8.138e3	3.523e2	2.930e2	1.20	NO	6.453e2	1.0107	1.0107	0.238
4	1,2,3,6,7,8-HxCDD	34.59	5.608e3	3.865e3	2.199e2	1.813e2	1.21	NO	4.012e2	0.60491	0.60491	0.230
5	1,2,3,7,8,9-HxCDD	34.88	1.585e3	2.153e3	7.308e1	8.854e1	0.83	YES	1.616e2	0.00000	0.20147	0.251

**Hepta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.42	6.259e4	7.024e4	3.725e3	3.741e3	1.00	NO	7.465e3	15.997	15.997	0.327
2	1,2,3,4,6,7,8-HpCDD	38.30	5.233e4	4.896e4	2.975e3	2.718e3	1.09	NO	5.693e3	12.200	12.200	0.327

**Tetra-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	22.41	2.849e3	5.281e3	2.144e2	2.911e2	0.74	NO	5.055e2	0.27952	0.27952	0.121
2	Total Tetra-Furans	25.11	3.836e3	4.361e3	1.825e2	2.856e2	0.64	YES	0.000e0	0.00000	0.23193	0.121
3	Total Tetra-Furans	25.91	1.963e3	2.807e3	8.797e1	1.216e2	0.72	NO	2.095e2	0.11587	0.11587	0.121
4	2,3,7,8-TCDF	26.05	5.413e3	6.904e3	3.124e2	4.765e2	0.66	NO	7.889e2	0.43622	0.43622	0.121

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Dataset: U:\VG12.PRO\Results\210609R1\210609R1\_11.qld

Last Altered: Wednesday, June 16, 2021 12:49:38 Pacific Daylight Time

Printed: Wednesday, June 16, 2021 12:55:29 Pacific Daylight Time

Name: 210609R1\_11, Date: 09-Jun-2021, Time: 18:23:08, ID: 2105047-04 USMPDI-035SG-210504 20.65, Description: USMPDI-035SG-210504

**Penta-Furans function 1**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.41	1.181e4	8.158e3	8.400e2	5.248e2	1.60	NO	1.365e3	1.0211	1.0211	0.0293

**Penta-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.96	5.132e3	4.846e3	4.253e2	2.638e2	1.61	NO	6.890e2	0.51552	0.51552	0.181
2	1,2,3,7,8-PeCDF	29.91	7.797e3	3.809e3	3.256e2	1.639e2	1.99	YES	4.895e2	0.00000	0.31674	0.179
3	Total Penta-Furans	30.17	4.402e3	3.008e3	2.239e2	1.479e2	1.51	NO	3.718e2	0.27816	0.27816	0.181
4	2,3,4,7,8-PeCDF	30.94	4.612e3	3.284e3	2.594e2	1.877e2	1.38	NO	4.471e2	0.30108	0.30108	0.167

**Hexa-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.20	3.934e3	3.895e3	1.748e2	1.580e2	1.11	NO	3.328e2	0.36261	0.36261	0.128
2	Total Hexa-Furans	32.38	1.283e4	1.616e4	6.623e2	5.999e2	1.10	NO	1.262e3	1.3751	1.3751	0.128
3	Total Hexa-Furans	33.03	1.759e4	1.309e4	8.329e2	6.057e2	1.38	NO	1.439e3	1.5674	1.5674	0.128
4	1,2,3,4,7,8-HxCDF	33.52	7.207e3	5.455e3	3.601e2	2.942e2	1.22	NO	6.543e2	0.71508	0.71508	0.116
5	1,2,3,6,7,8-HxCDF	33.67	3.512e3	2.365e3	1.542e2	1.031e2	1.50	YES	2.574e2	0.00000	0.23033	0.112
6	2,3,4,6,7,8-HxCDF	34.36	2.519e3	1.358e3	1.102e2	8.408e1	1.31	NO	1.943e2	0.21780	0.21780	0.132

**Hepta-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.07	1.721e4	1.853e4	1.141e3	1.034e3	1.10	NO	2.175e3	3.6175	3.6175	0.166
2	Total Hepta-Furans	37.72	3.607e4	3.925e4	1.936e3	1.944e3	1.00	NO	3.880e3	7.0012	7.0012	0.181
3	1,2,3,4,7,8,9-HpCDF	38.96	2.036e3	1.621e3	9.434e1	7.897e1	1.19	NO	1.733e2	0.34271	0.34271	0.199

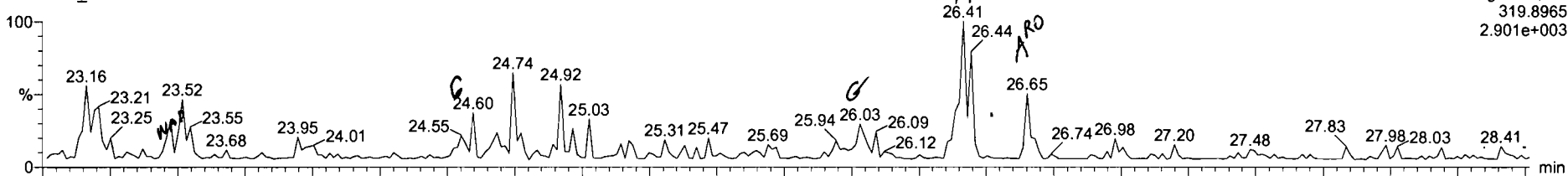
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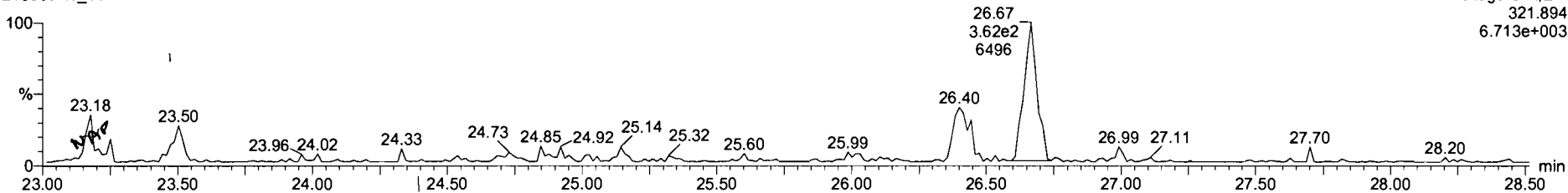
Name: 210609R1\_11, Date: 09-Jun-2021, Time: 18:23:08, ID: 2105047-04 USMPDI-035SG-210504 20.65, Description: USMPDI-035SG-210504

2,3,7,8-TCDD

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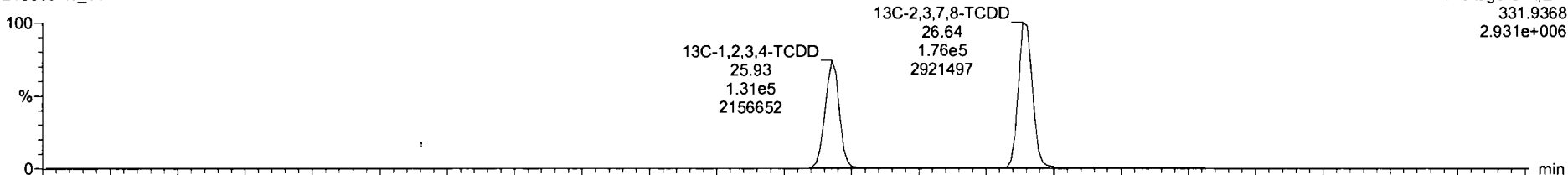


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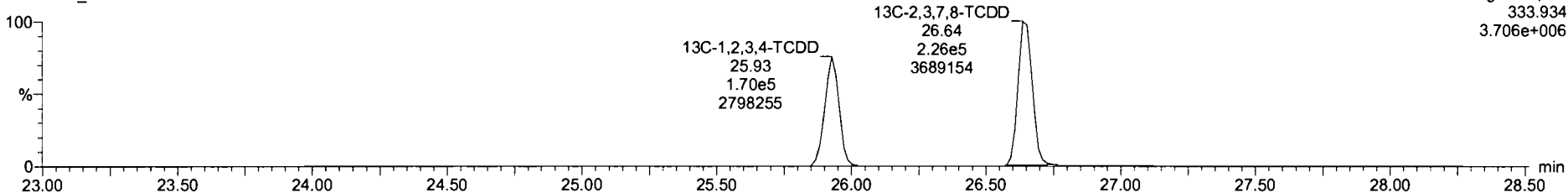


13C-2,3,7,8-TCDD

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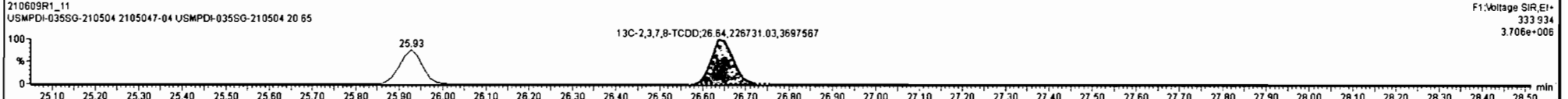
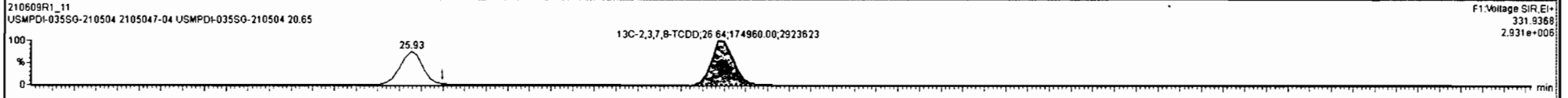
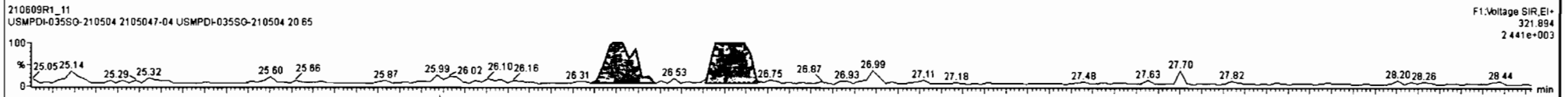
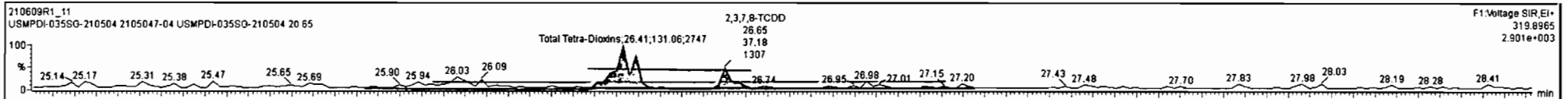
210609R1\_11



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Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9291	10.043			0.167		0.0270	0.213
40 Total Penta-Dioxins				0.8257	10.043					0.0690	
41 Total Hexa-Dioxins				0.8771	10.043			3.07		0.236	3.07
42 Total Hepta-Dioxins				0.8987	10.043			28.2		0.327	28.2
43 Total Tetra-Furans				0.7466	10.043			0.281		0.121	0.649
44 1st Func. Penta-Furans				0.8771	10.043			1.02		0.0293	1.02

Name	RT (s)	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Dioxins	26.41	1.311e2	1.827e2	0.72	NO	0.16745	0.16745
2 2,3,7,8-TCDD	26.65	3.718e1	3.661e2	0.10	YES	0.045609	0.00000



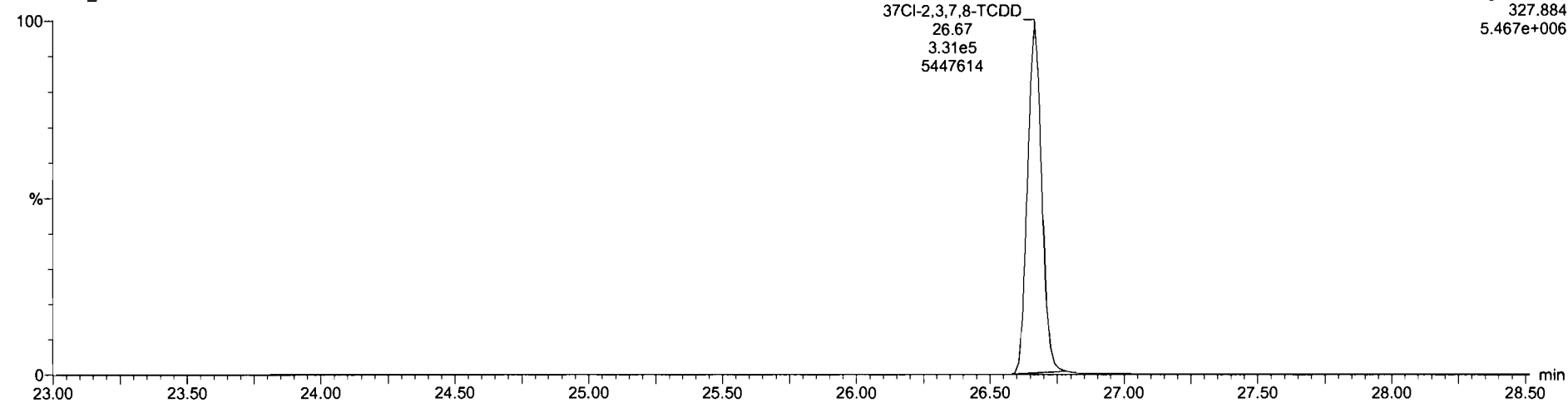
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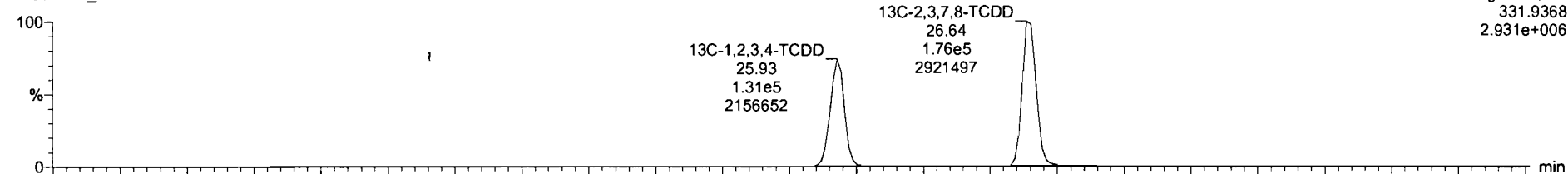
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210609R1\_11

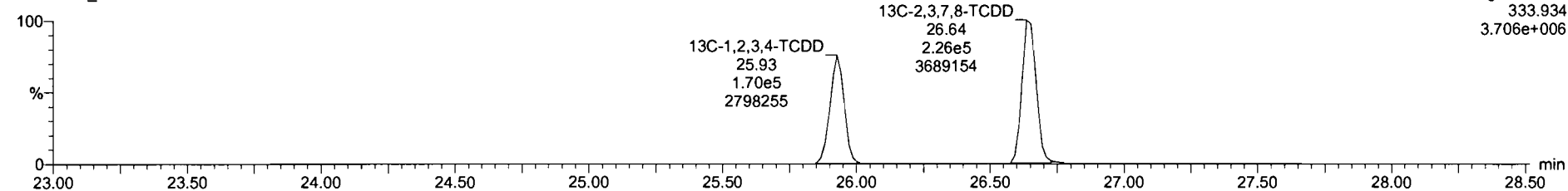


**13C-1,2,3,4-TCDD**

210609R1\_11



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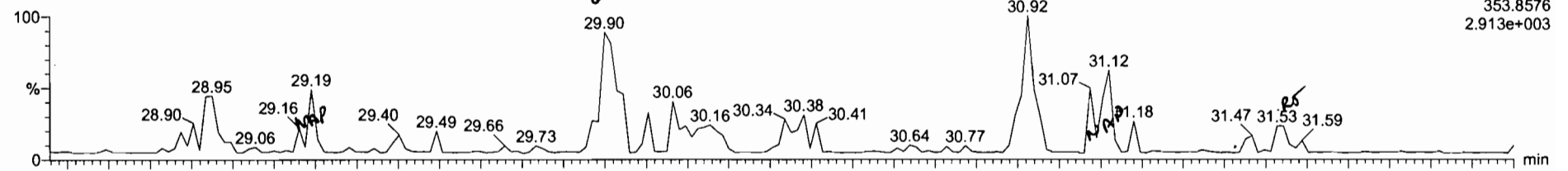
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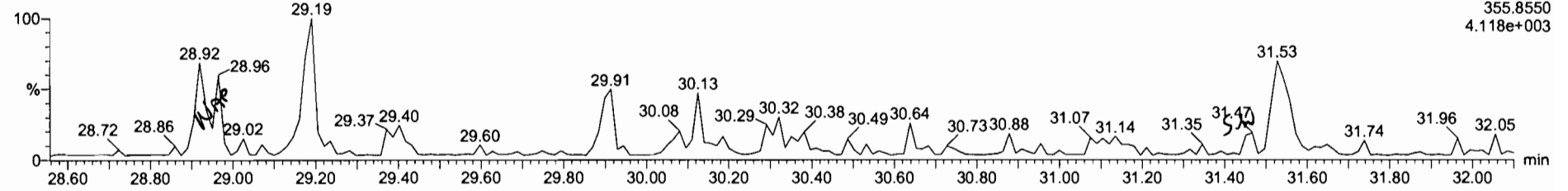
1,2,3,7,8-PeCDD

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F2:Voltage SIR,EI+  
353.8576  
2.913e+003

210609R1\_11



F2:Voltage SIR,EI+  
355.8550  
4.118e+003

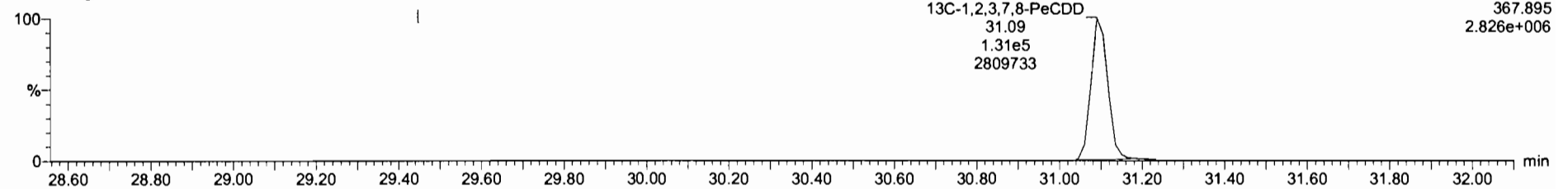
13C-1,2,3,7,8-PeCDD

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7.95e4  
1616287  
F2:Voltage SIR,EI+  
365.8978  
1.625e+006

210609R1\_11



13C-1,2,3,7,8-PeCDD  
31.09  
1.31e5  
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F2:Voltage SIR,EI+  
367.895  
2.826e+006

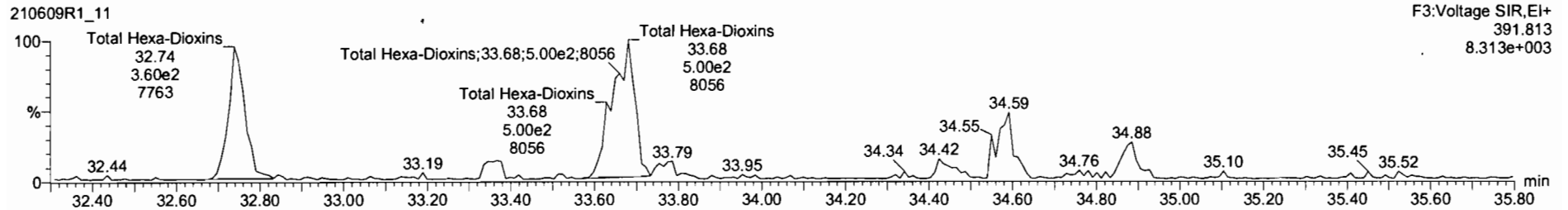
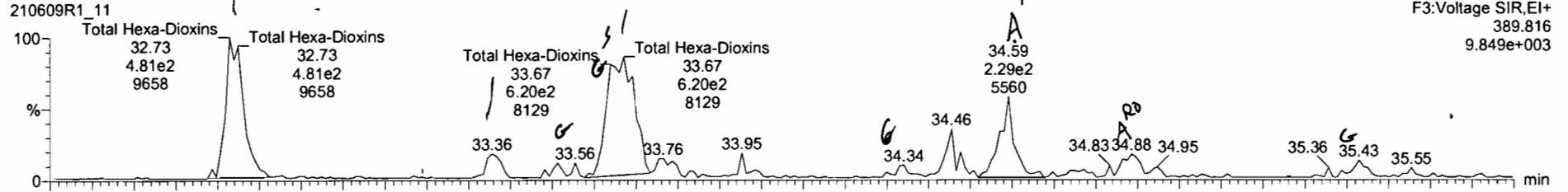


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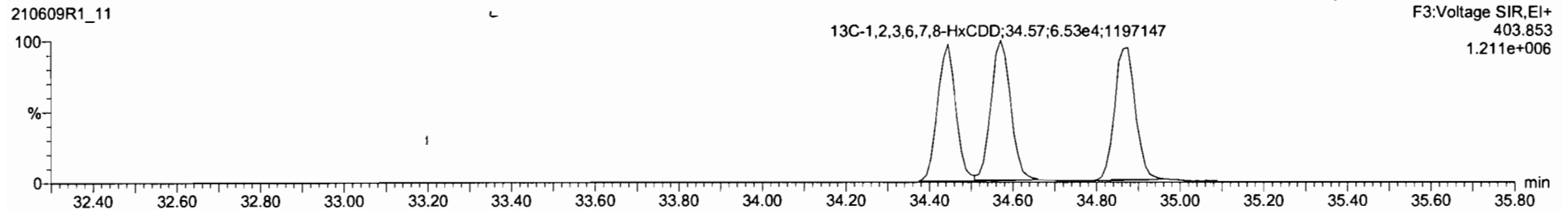
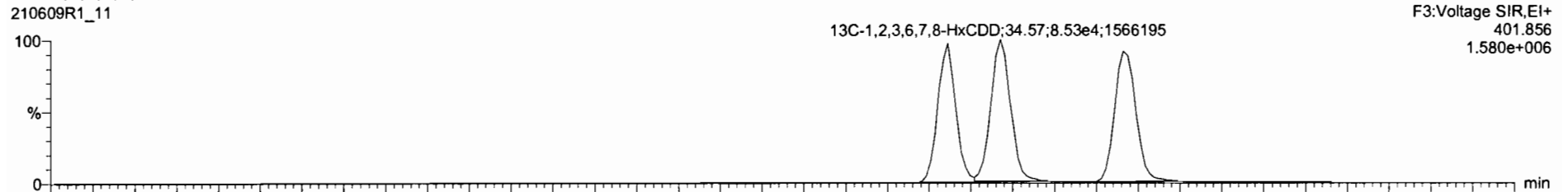
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1,2,3,4,7,8-HxCDD

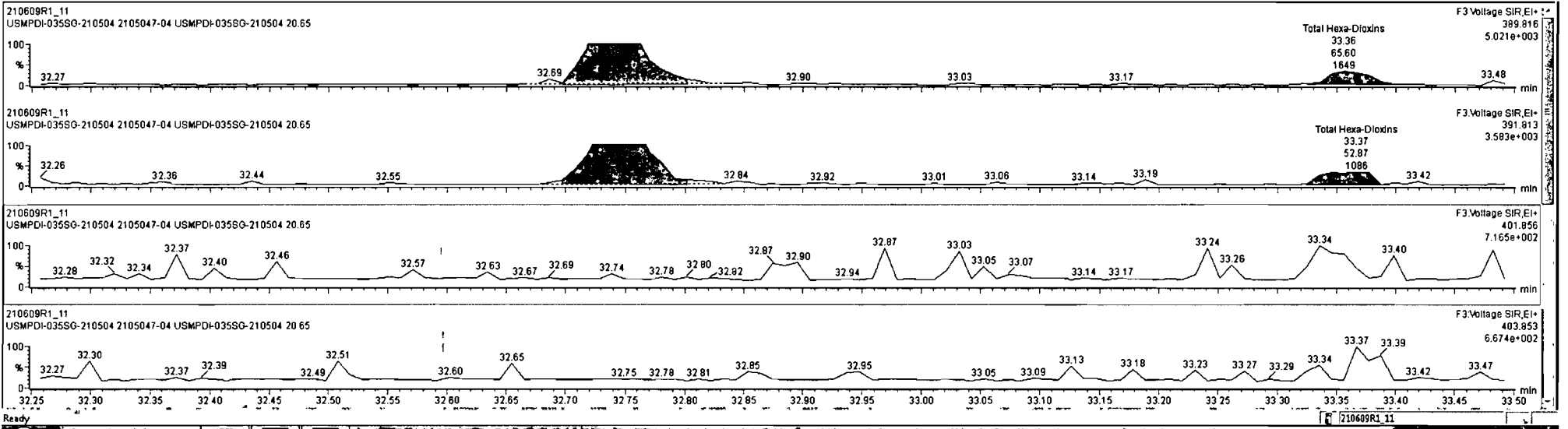


13C-1,2,3,4,7,8-HxCDD



Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				0.8771	10.043			2.08		0.238	4.07
42 Total Hepta-Dioxins				0.8987	10.043			28.2		0.327	28.2
43 Total Tetra-Furans				0.7466	10.043			0.832		0.121	1.06
44 1st Func. Penta-Furans				0.8771	10.043			1.02		0.0293	1.02
45 Total Penta-Furans				0.8771	10.043			1.09		0.181	1.41
46 Total Hexa-Furans				0.9725	10.043			4.24		0.128	4.47

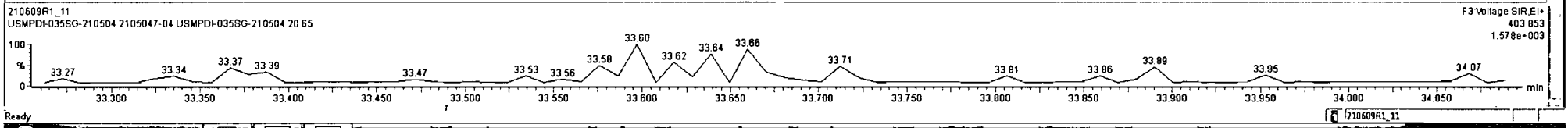
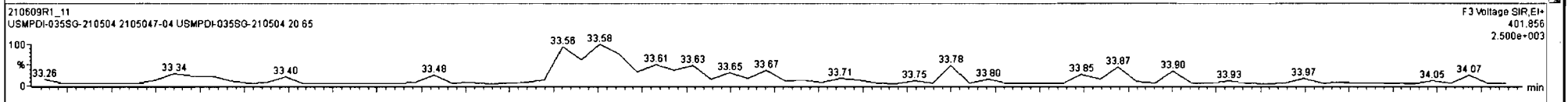
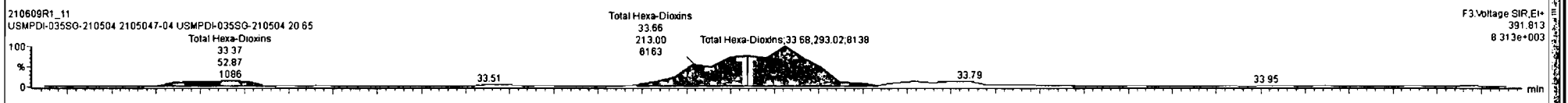
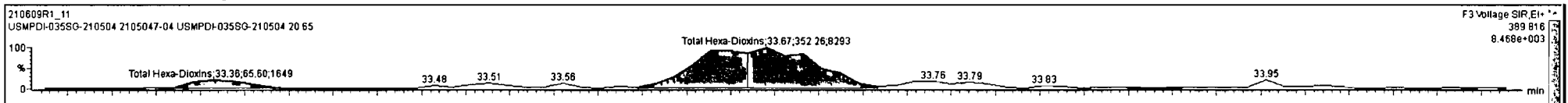
Name	RT /h	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	32.73	4.729e2	3.524e2	1.34	NO	1.2926	1.2926
2 Total Hexa-Dioxins	33.36	6.560e1	5.287e1	1.24	NO	0.18555	0.18555
3 Total Hexa-Dioxins	33.64	2.843e2	2.130e2	1.33	NO	0.77832	0.00000
4 Total Hexa-Dioxins	33.67	3.523e2	2.930e2	1.20	NO	1.0107	0.00000
5 1,2,3,6,7,8-HxCDD	34.59	2.199e2	1.813e2	1.21	NO	0.80491	0.80491
6 1,2,3,7,8,9-HxCDD	34.88	7.308e1	8.854e1	0.83	YES	0.20147	0.00000



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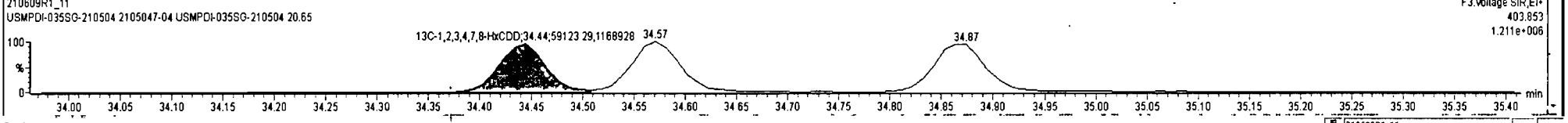
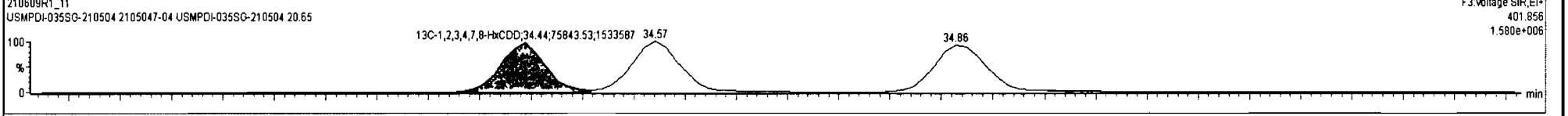
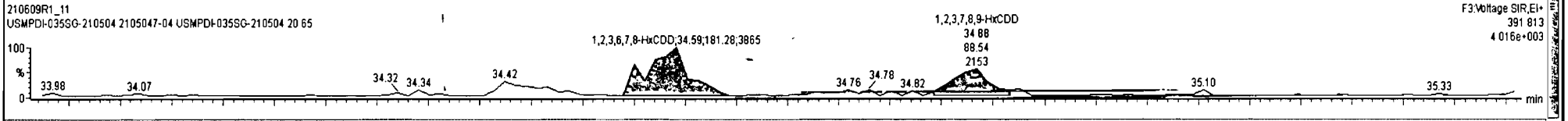
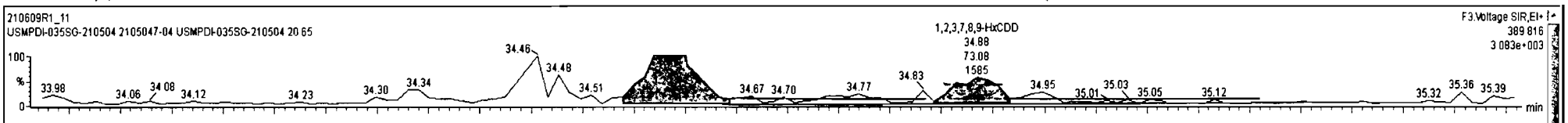
Name	Resp	RA	nly	RRF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				0.8771	10.043			2.08	0.238	4.07	
42 Total Hepta-Dioxins				0.8967	10.043			28.2	0.327	28.2	
43 Total Tetra-Furans				0.7486	10.043			0.832	0.121	1.06	
44 1st Func. Penta-Furans				0.8771	10.043			1.02	0.0293	1.02	
45 Total Penta-Furans				0.8771	10.043			1.09	0.181	1.41	
46 Total Hexa-Furans				0.9725	10.043			4.24	0.128	4.47	

Name	RT / h	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Dioxins	32.73	4.729e2	3.524e2	1.34	NO	1.2926	1.2926
2 Total Hexa-Dioxins	33.36	6.580e1	5.287e1	1.24	NO	0.18555	0.18555
3 Total Hexa-Dioxins	33.64	2.843e2	2.130e2	1.33	NO	0.77892	0.00000
4 Total Hexa-Dioxins	33.67	3.523e2	2.930e2	1.20	NO	1.0107	0.00000
5 1,2,3,6,7,8-HxCDD	34.59	2.199e2	1.813e2	1.21	NO	0.60491	0.60491
6 1,2,3,7,8,9-HxCDD	34.88	7.306e1	6.854e1	0.83	YES	0.20147	0.00000



Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				0.8771	10.043	4.6		3.09		0.238	3.30
42 Total Hepta-Dioxins				0.8987	10.043			28.2		0.327	28.2
43 Total Tetra-Furans				0.7466	10.043			0.832		0.121	1.06
44 1st Func. Penta-Furans				0.8771	10.043			1.02		0.0293	1.02
45 Total Penta-Furans				0.8771	10.043			1.09		0.181	1.41
46 Total Hexa-Furans				0.9725	10.043			4.24		0.128	4.47

Name	RT / <sub>3</sub>	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	32.73	4.729e2	3.524e2	1.34	NO	1.2926	1.2926
2 Total Hexa-Dioxins	33.36	6.560e1	5.287e1	1.24	NO	0.18555	0.18555
3 Total Hexa-Dioxins	33.67	3.523e2	2.930e2	1.20	NO	1.0107	1.0107
4 1,2,3,6,7,8-HxCDD	34.59	2.199e2	1.813e2	1.21	NO	0.60491	0.60491
5 1,2,3,7,8,9-HxCDD	34.86	7.308e1	6.954e1	0.83	YES	0.20147	0.00000



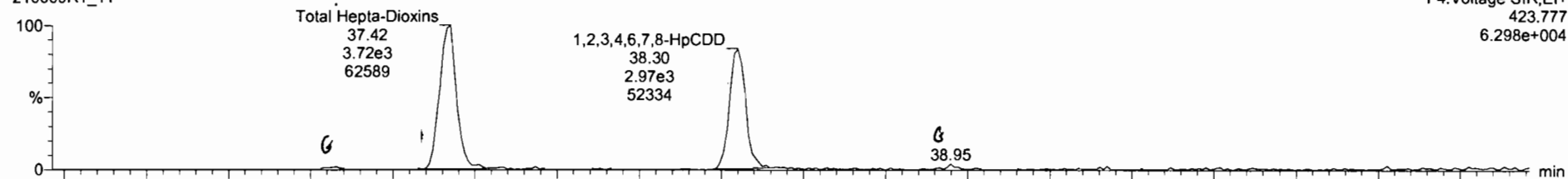
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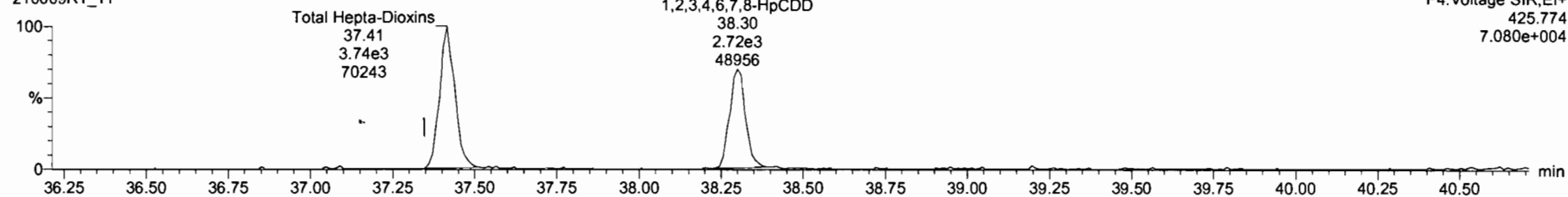
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1,2,3,4,6,7,8-HpCDD

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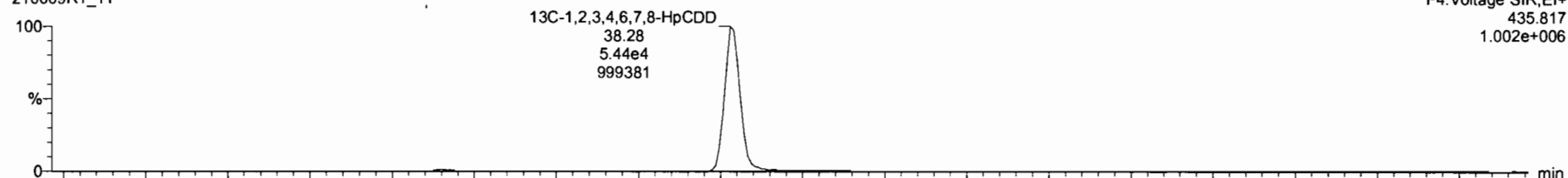


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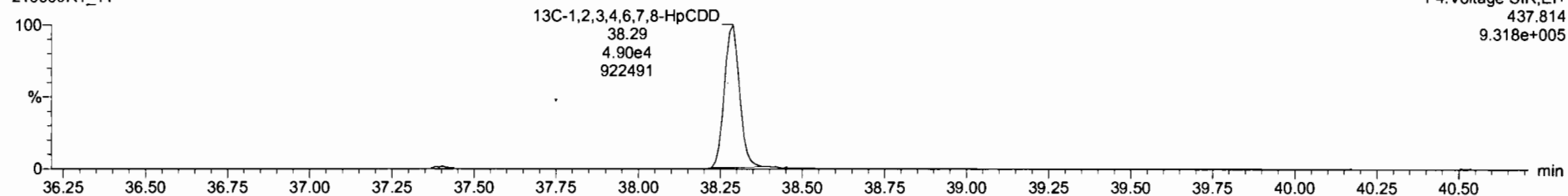


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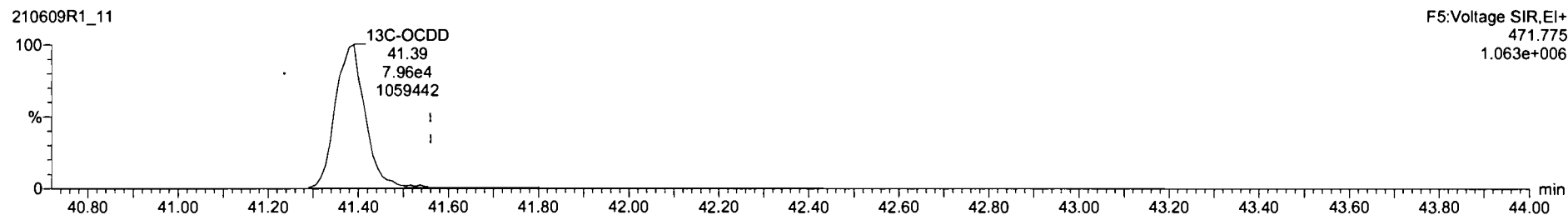
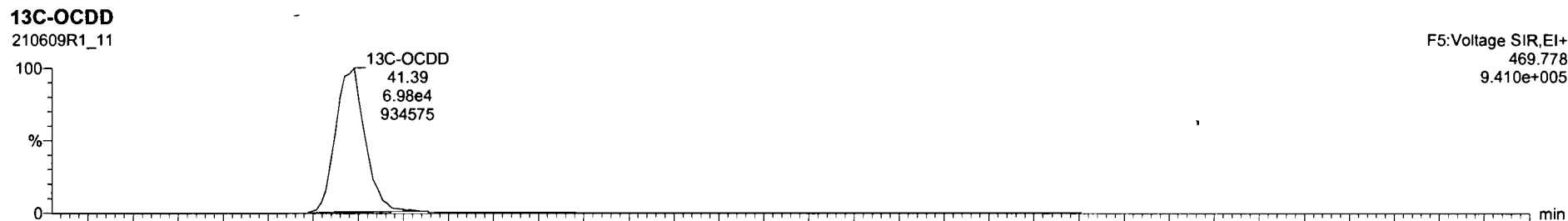
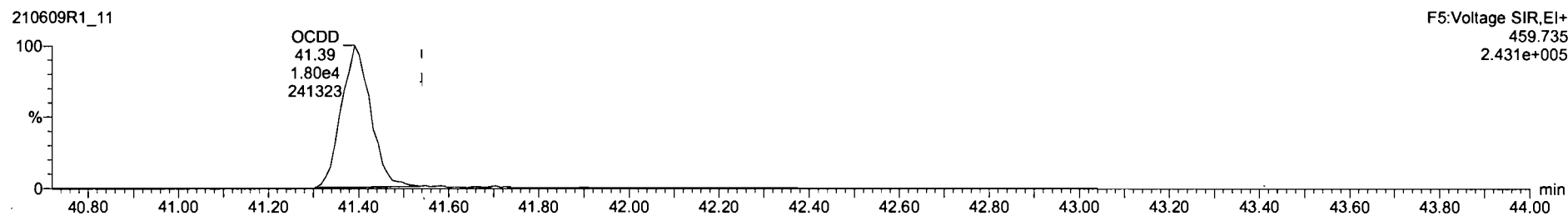
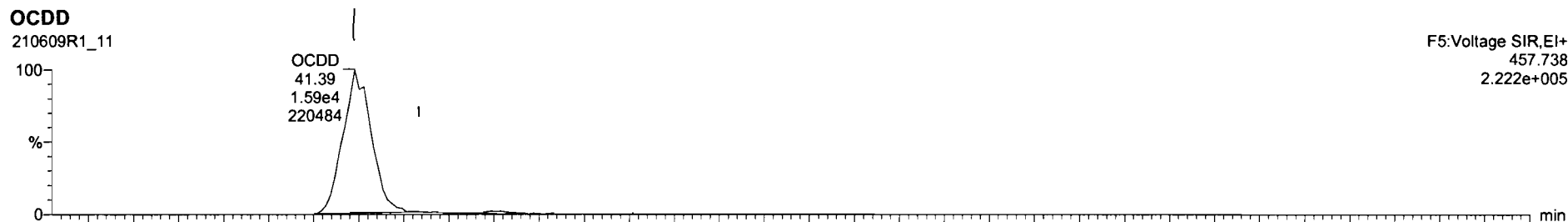
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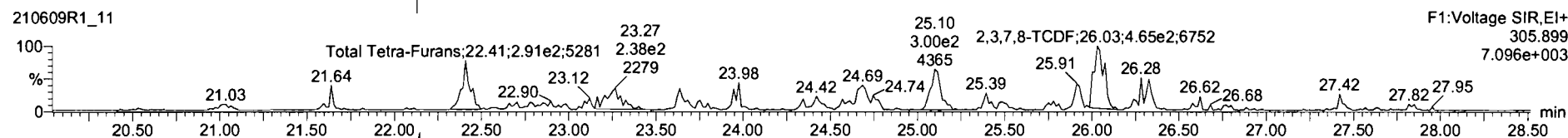
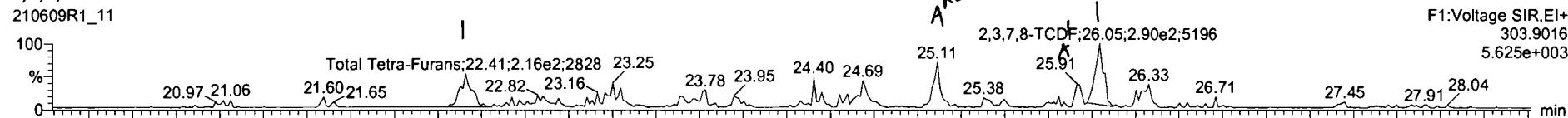


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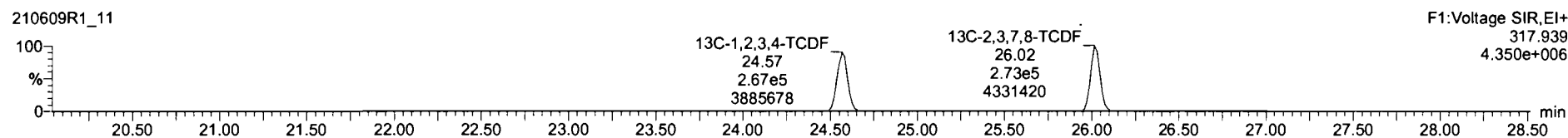
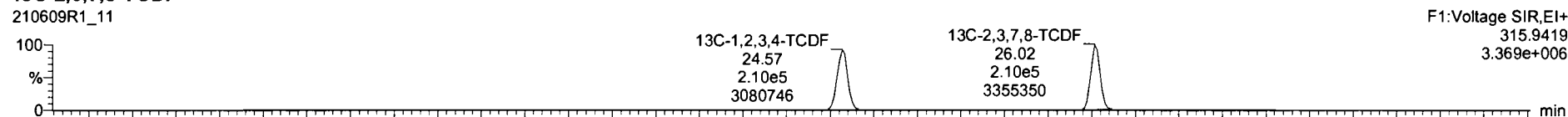
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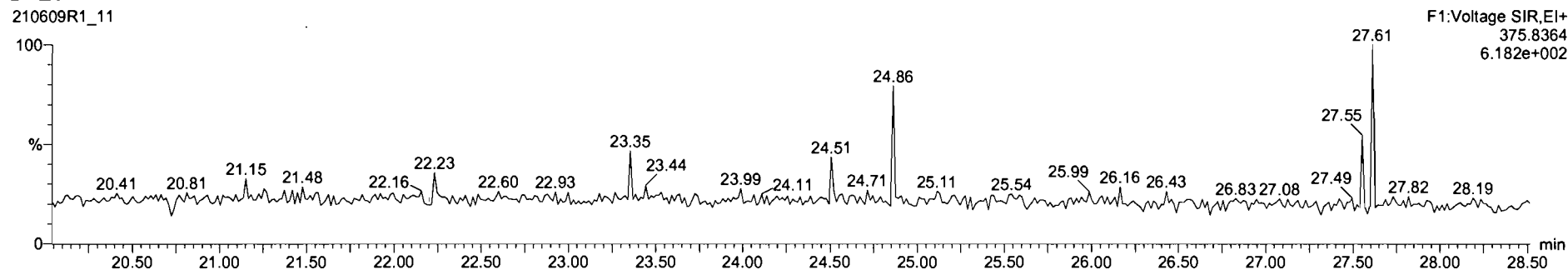
### 2,3,7,8-TCDF



### 13C-2,3,7,8-TCDF

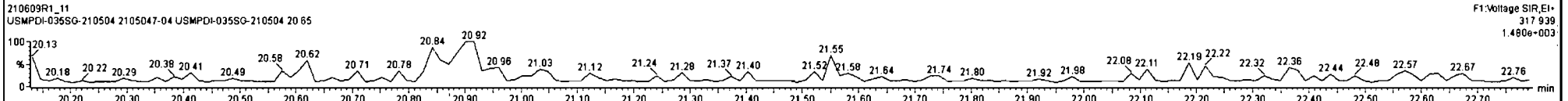
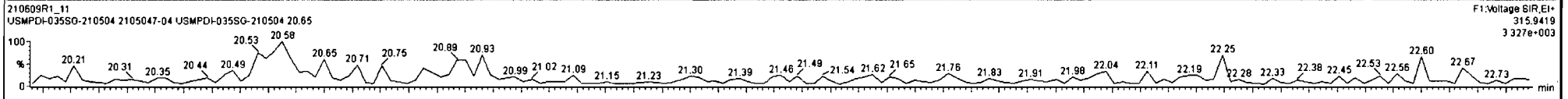
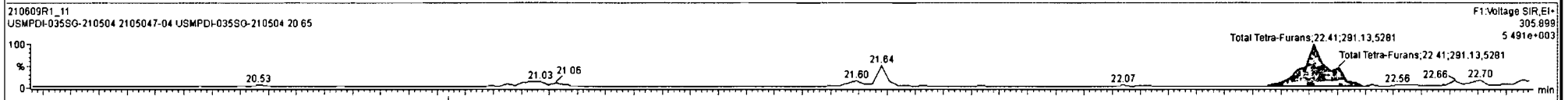
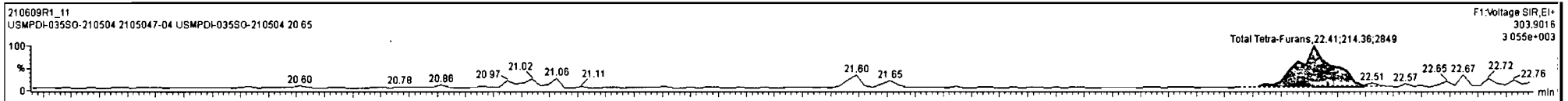


### DPE1



Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7466	10.043			0.832	0.121	1.06	
44 1st Func. Penta-Furans				0.8771	10.043			1.02	0.0283	1.02	
45 Total Penta-Furans				0.8771	10.043			0.485	0.181	0.485	
46 Total Hexa-Furans				0.9725	10.043			3.67	0.126	3.67	
47 Total Hepta-Furans				1.0461	10.043			10.6	0.181	10.6	
48 PFK1											

Name	RT1	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	22.41	2.144e2	2.911e2	0.74	NO	0.27952	0.27952
2 Total Tetra-Furans	25.11	1.825e2	2.856e2	0.64	YES	0.23193	0.00000
3 Total Tetra-Furans	25.91	8.797e1	1.216e2	0.72	NO	0.11587	0.11587
4 2,3,7,8-TCDF	26.05	3.124e2	4.765e2	0.66	NO	0.43622	0.43622

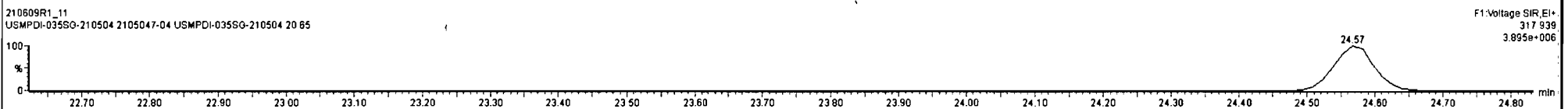
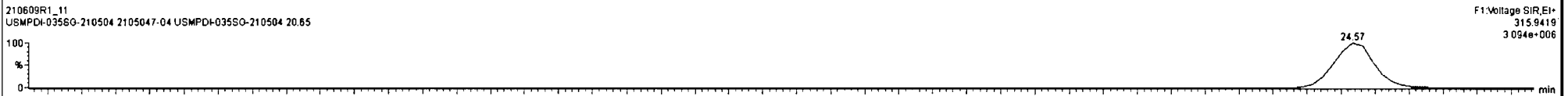
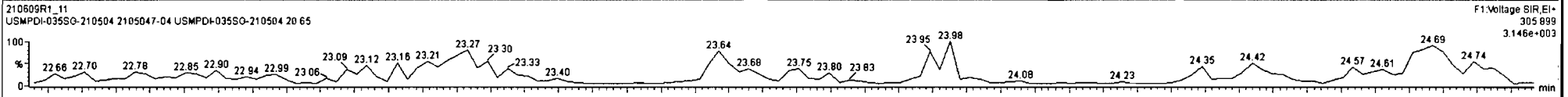
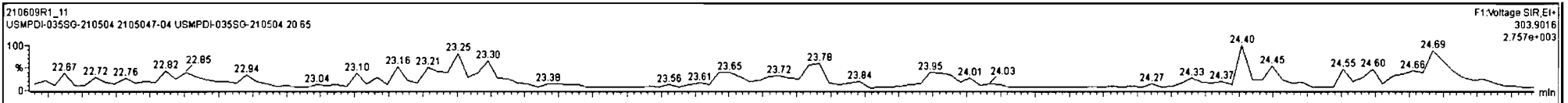




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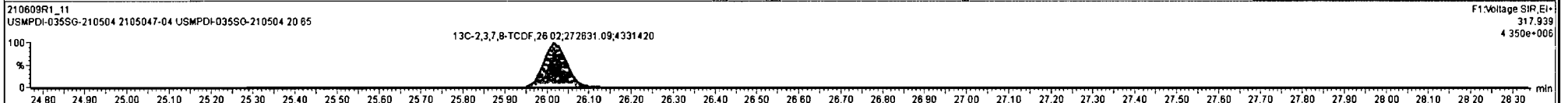
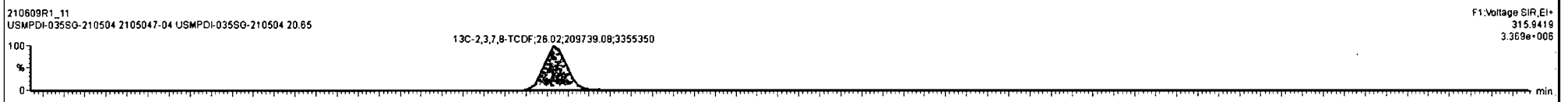
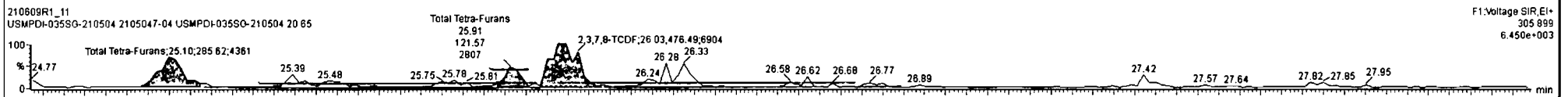
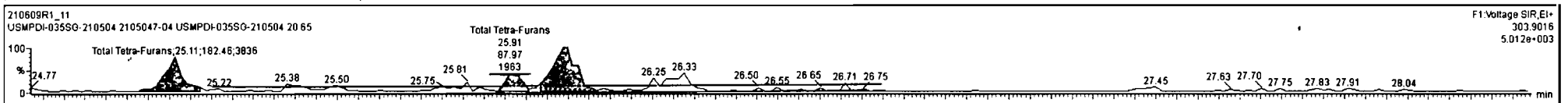
#	Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
43	Total Tetra-Furans				0.7466	10.043			0.832		0.121	1.06
44	1st Func. Penta-Furans				0.8771	10.043			1.02		0.0293	1.02
45	Total Penta-Furans				0.8771	10.043			0.485		0.181	0.485
46	Total Hexa-Furans				0.9725	10.043			3.67		0.128	3.67
47	Total Hepta-Furans				1.0481	10.043			10.6		0.181	10.6
48	PFK1											

#	Name	RT / s	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Furans	22.41	2.144e2	2.911e2	0.74	NO	0.27952	0.27952
2	Total Penta-Furans	25.11	1.825e2	2.856e2	0.64	YES	0.23193	0.00000
3	Total Tetra-Furans	25.91	8.797e1	1.216e2	0.72	NO	0.11587	0.11587
4	2,3,7,8-TCDF	26.05	3.124e2	4.765e2	0.66	NO	0.43622	0.43622



Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7468	10.043			0.832	0.121	1.06	
44 1st Func. Penta-Furans				0.8771	10.043			1.02	0.0293	1.02	
45 Total Penta-Furans				0.8771	10.043			0.485	0.181	0.485	
46 Total Hexa-Furans				0.9725	10.043			3.67	0.126	3.67	
47 Total Hepta-Furans				1.0481	10.043			10.6	0.181	10.6	
48 PFK1											

Name	RT / J	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	22.41	2.144e2	2.911e2	0.74	NO	0.27952	0.27952
2 Total Tetra-Furans	25.11	1.825e2	2.858e2	0.64	YES	0.23193	0.00000
3 Total Tetra-Furans	25.91	8.797e1	1.216e2	0.72	NO	0.11587	0.11587
4 2,3,7,8-TCDF	26.05	3.124e2	4.765e2	0.66	NO	0.43622	0.43622



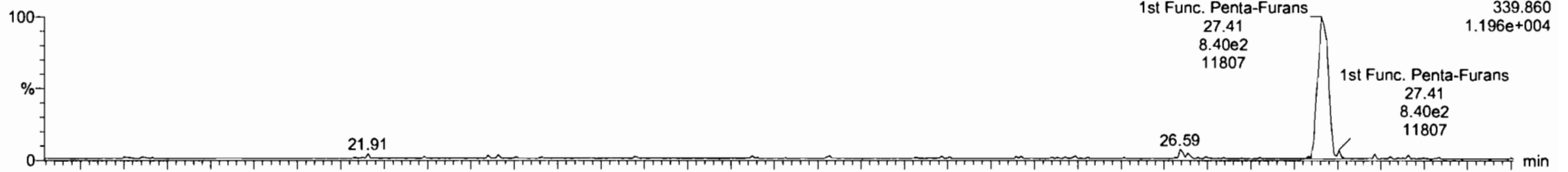
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Printed: Tuesday, June 15, 2021 13:42:14 Pacific Daylight Time

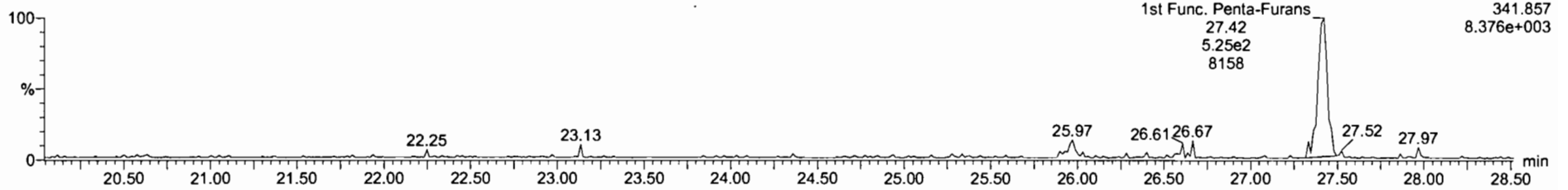
Name: 210609R1\_11, Date: 09-Jun-2021, Time: 18:23:08, ID: 2105047-04 USMPDI-035SG-210504 20.65, Description: USMPDI-035SG-210504

1st Func. Penta-Furans

210609R1\_11

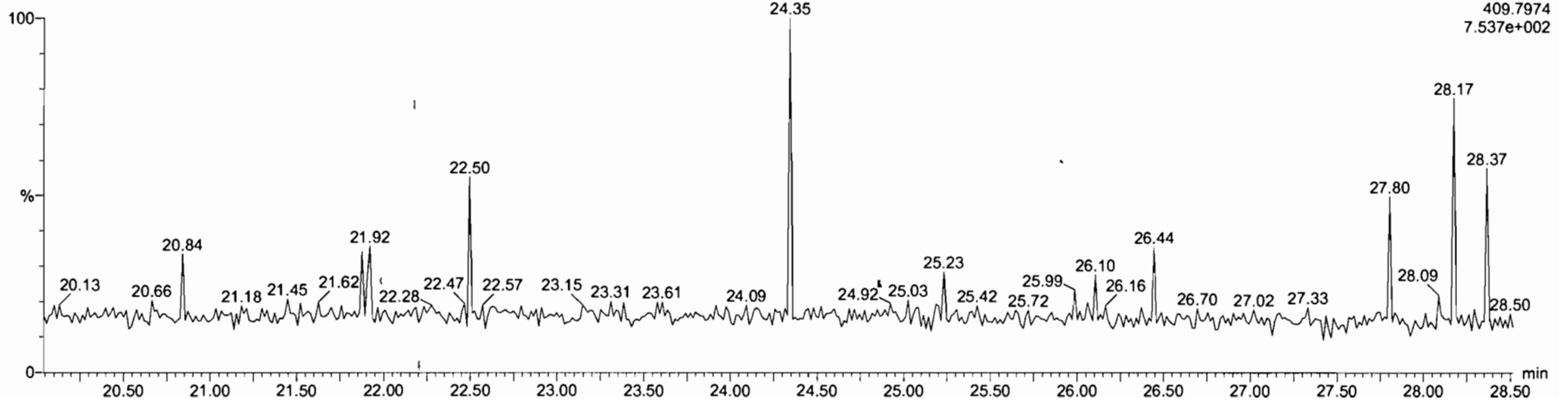


210609R1\_11



DPE6

210609R1\_11

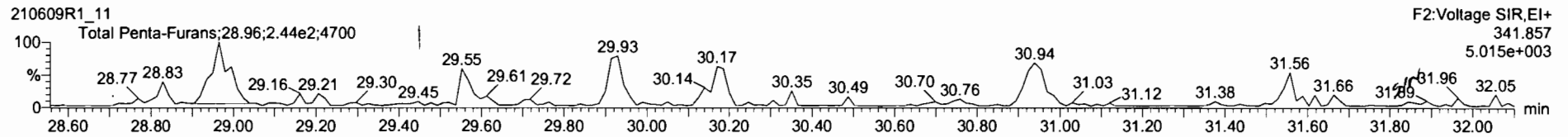
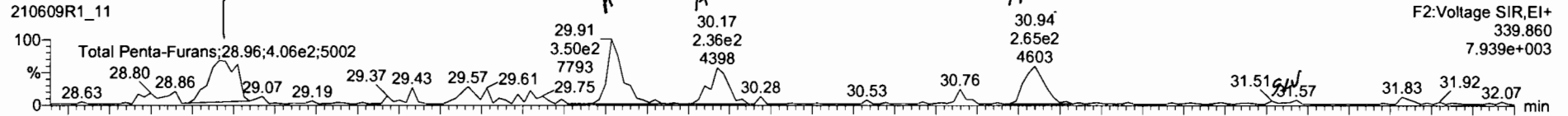


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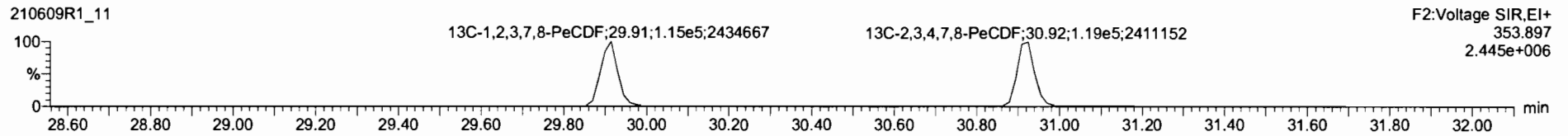
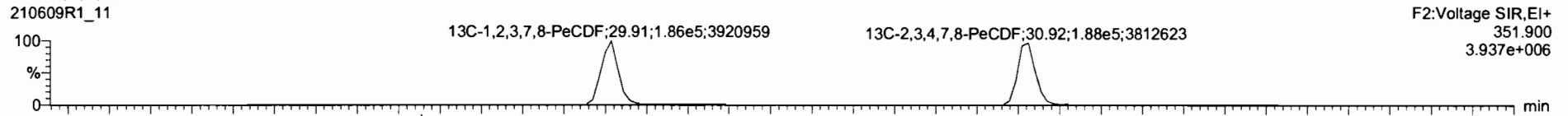
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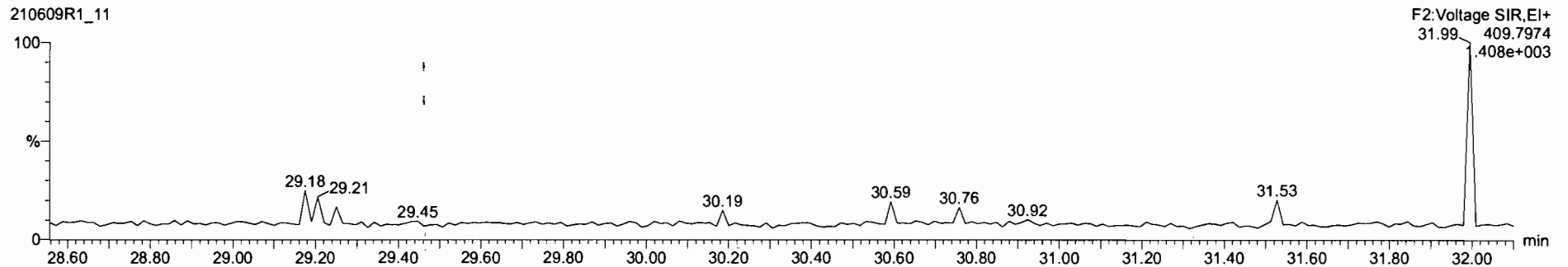
1,2,3,7,8-PeCDF



13C-1,2,3,7,8-PeCDF



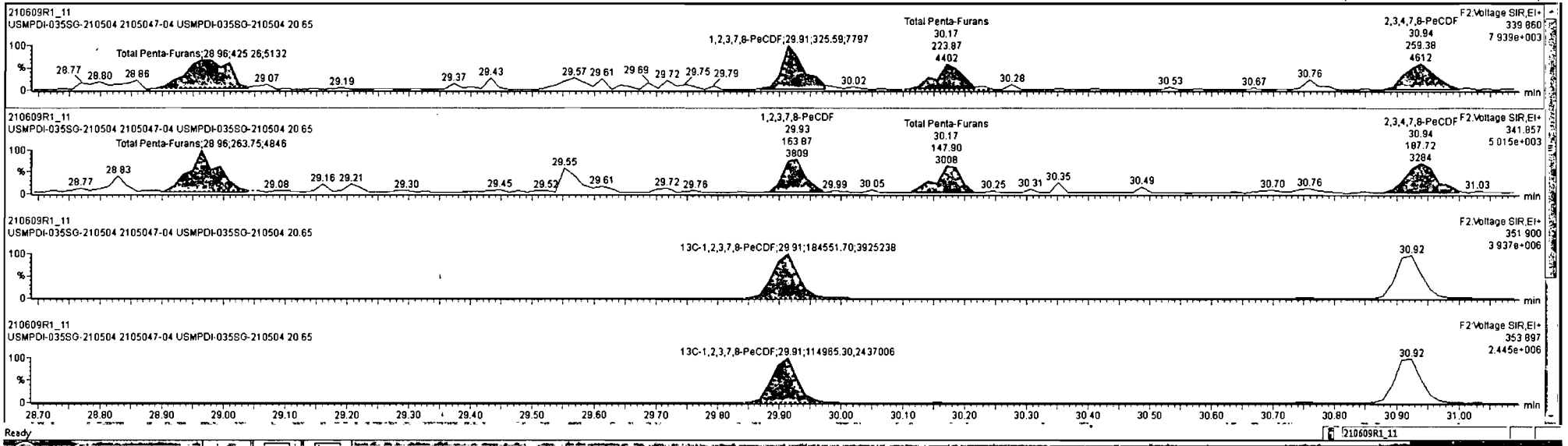
DPE2



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Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7466	10.043			0.832	0.121	1.06	
44 1st Func. Penta-Furans				0.8771	10.043			1.02	0.0293	1.02	
45 Total Penta-Furans				0.8771	10.043			1.09	0.181	1.41	
46 Total Hexa-Furans				0.9725	10.043			3.67	0.126	3.67	
47 Total Hepta-Furans				1.0481	10.043			10.6	0.181	10.6	
48 PFK1											

Name	RT / s	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	28.96	4.253e2	2.639e2	1.61	NO	0.51552	0.51552
2 1,2,3,7,8-PeCDF	29.91	3.256e2	1.639e2	1.99	YES	0.31674	0.00000
3 Total Penta-Furans	30.17	2.239e2	1.479e2	1.51	NO	0.27816	0.27816
4 2,3,4,7,8-PeCDF	30.94	2.594e2	1.877e2	1.39	NO	0.30108	0.30108

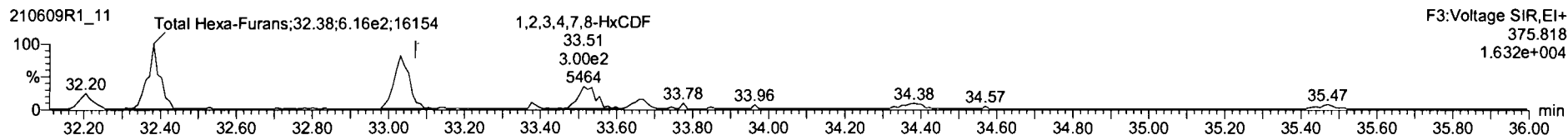
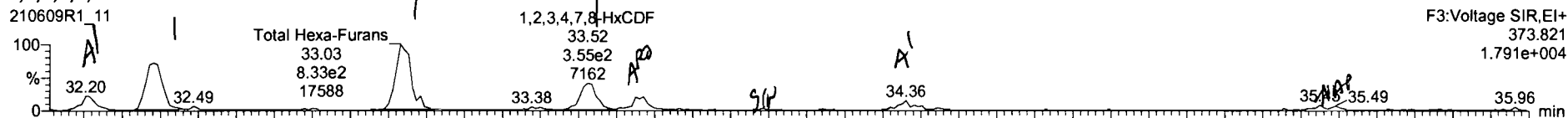


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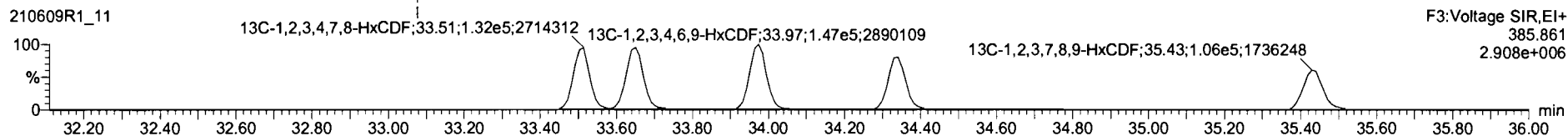
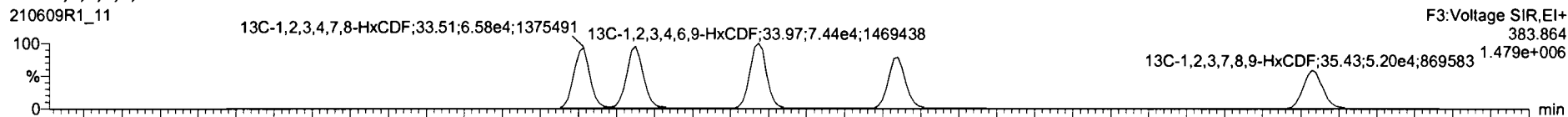
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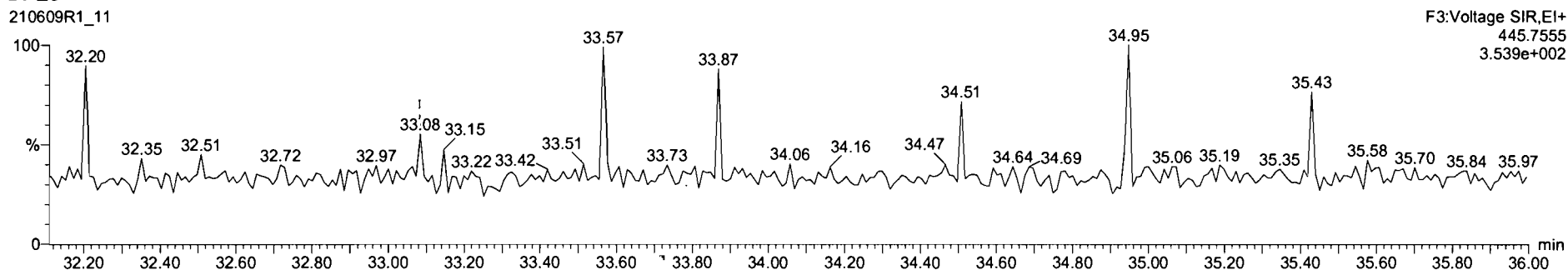
1,2,3,4,7,8-HxCDF



13C-1,2,3,4,7,8-HxCDF



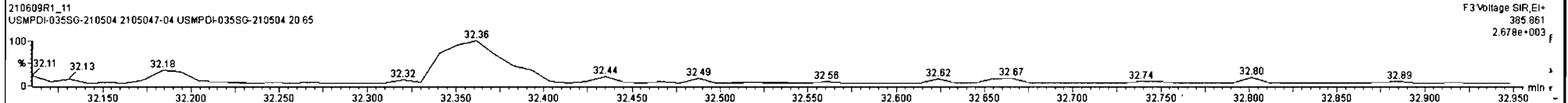
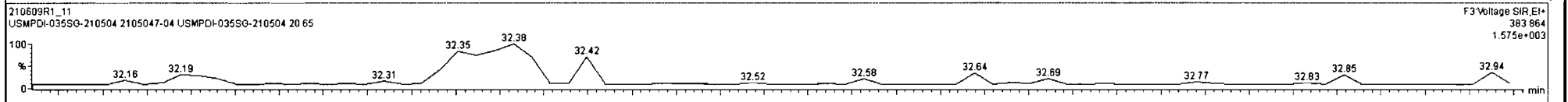
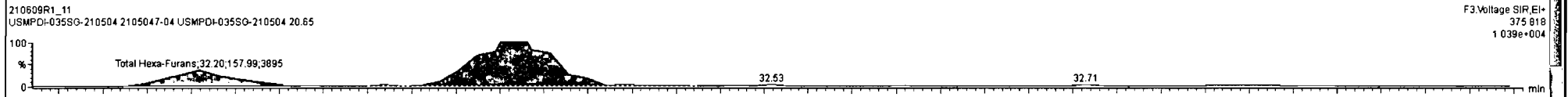
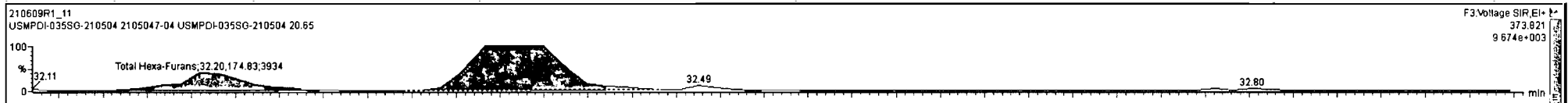
DPE3



210609R1\_11 - 2105047-04 USMPDI-035SG-210504 20.65 - USMPDI-035SG-210504

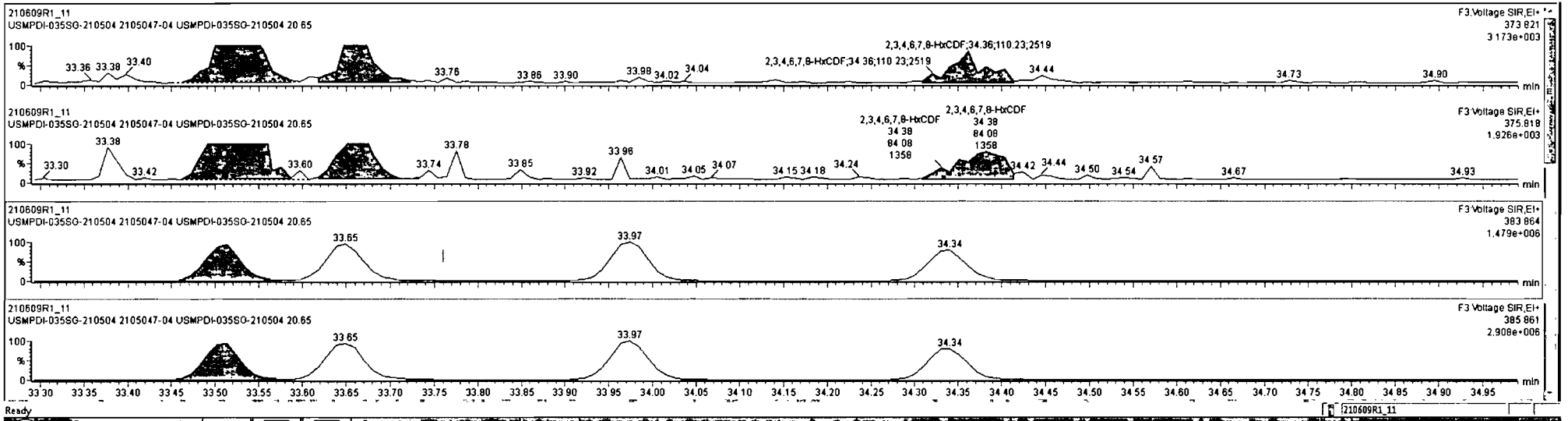
Name	Resp	RA	n/y	RRF	wt/Vol	RT	RR1	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8771	10.043			1.09	0.181	1.41	
46 Total Hexa-Furans				0.9725	10.043			4.24	0.128	4.47	
47 Total Hepta-Furans				1.0481	10.043			11.0	0.181	11.0	
48 PFK1											
49 PFK2											
50 PFK3											

Name	RT /h	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.20	1.748e2	1.580e2	1.11	NO	0.36261	0.36261
2 Total Hexa-Furans	32.38	6.623e2	5.899e2	1.10	NO	1.3751	1.3751
3 Total Hexa-Furans	33.03	8.329e2	6.057e2	1.38	NO	1.5674	1.5674
4 1,2,3,4,7,8-HxCDF	33.52	3.601e2	2.842e2	1.22	NO	0.71508	0.71508
5 1,2,3,6,7,8-HxCDF	33.67	1.542e2	1.031e2	1.50	YES	0.23033	0.00000
6 2,3,4,6,7,8-HxCDF	34.36	1.102e2	8.408e1	1.31	NO	0.21780	0.21780



Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8771	10.043			1.09	0.181	1.41	
46 Total Hexa-Furans				0.8725	10.043			4.24	0.128	4.47	
47 Total Hepta-Furans				1.0481	10.043			11.0	0.181	11.0	
48 PFK1											
49 PFK2											
50 PFK3											

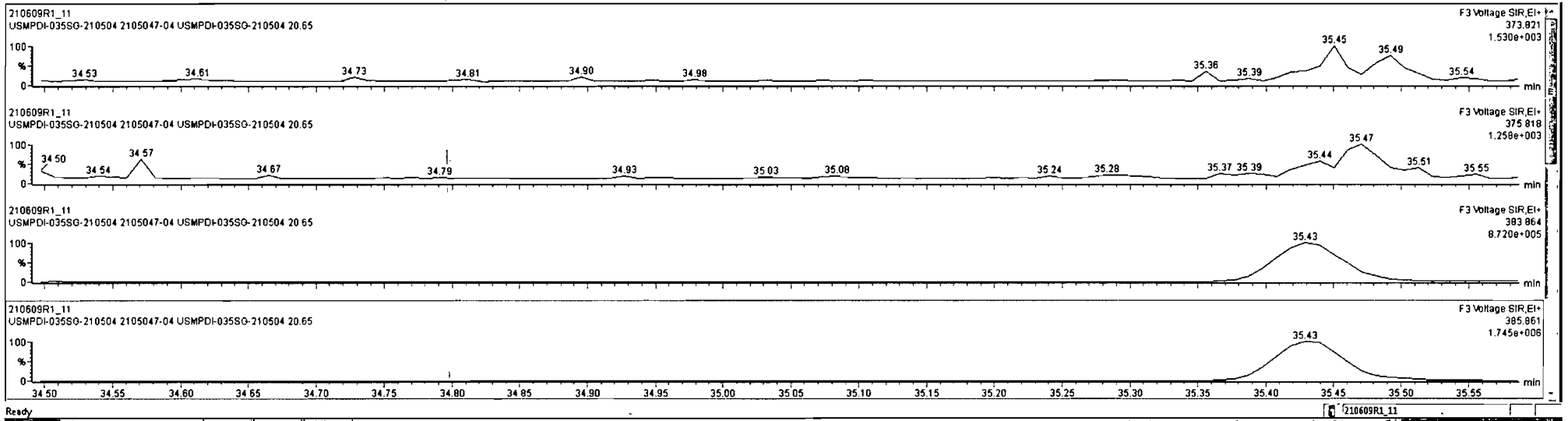
Name	RT / h	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.20	1.748e2	1.590e2	1.11	NO	0.36261	0.36261
2 Total Hexa-Furans	32.36	6.623e2	5.999e2	1.10	NO	1.3751	1.3751
3 Total Hexa-Furans	33.03	6.329e2	6.057e2	1.36	NO	1.5574	1.5574
4 1,2,3,4,7,8-HxCDF	33.52	3.601e2	2.942e2	1.22	NO	0.71506	0.71506
5 1,2,3,6,7,8-HxCDF	33.67	1.542e2	1.031e2	1.50	YES	0.23033	0.00000
6 2,3,4,6,7,8-HxCDF	34.36	1.102e2	8.406e1	1.31	NO	0.21780	0.21780





Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8771	10.043			1.09		0.181	1.41
46 Total Hexa-Furans				0.9725	10.043			4.24		0.128	4.47
47 Total Hepta-Furans				1.0481	10.043			11.0		0.181	11.0
48 PFK1											
49 PFK2											
50 PFK3											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.20	1.748e2	1.590e2	1.11	NO	0.36261	0.36261
2 Total Hexa-Furans	32.36	6.623e2	5.999e2	1.10	NO	1.3751	1.3751
3 Total Hexa-Furans	33.03	8.329e2	6.057e2	1.36	NO	1.5674	1.5674
4 1,2,3,4,7,8-HxCDF	33.52	3.601e2	2.942e2	1.22	NO	0.71508	0.71508
5 1,2,3,6,7,8-HxCDF	33.67	1.542e2	1.031e2	1.50	YES	0.23033	0.00000
6 2,3,4,6,7,8-HxCDF	34.36	1.102e2	8.408e1	1.31	NO	0.21780	0.21780

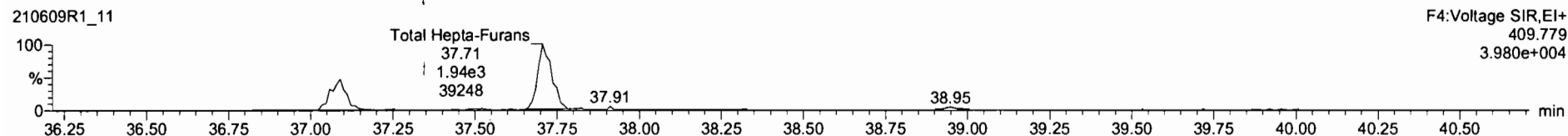
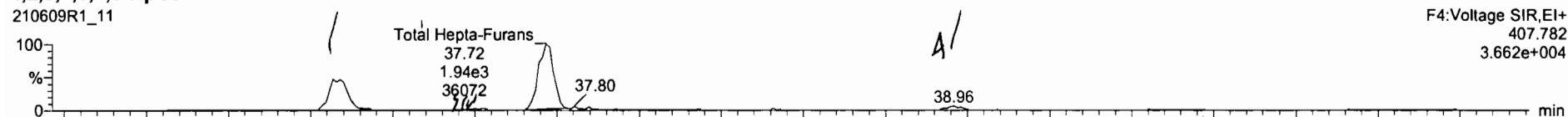


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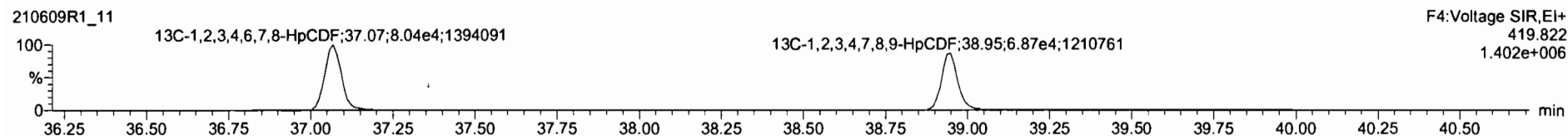
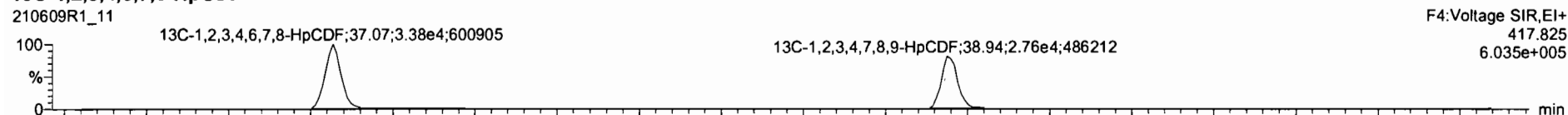
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Name: 210609R1\_11, Date: 09-Jun-2021, Time: 18:23:08, ID: 2105047-04 USMPDI-035SG-210504 20.65, Description: USMPDI-035SG-210504

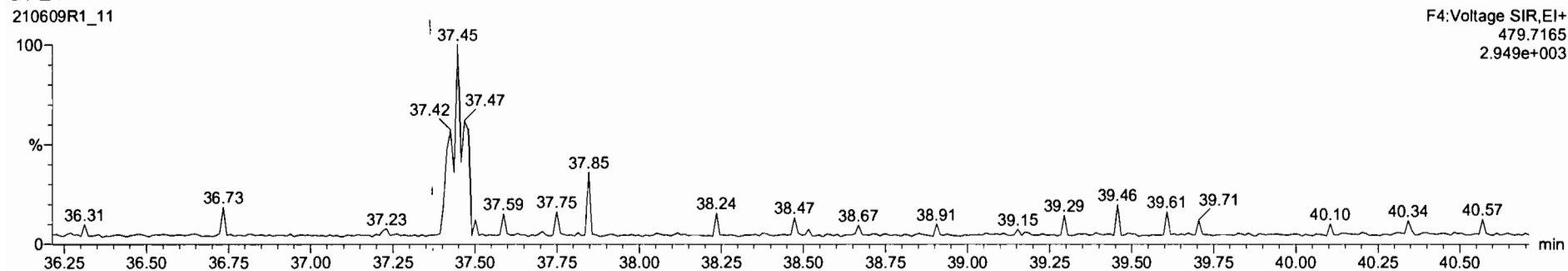
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13C-1,2,3,4,6,7,8-HpCDF

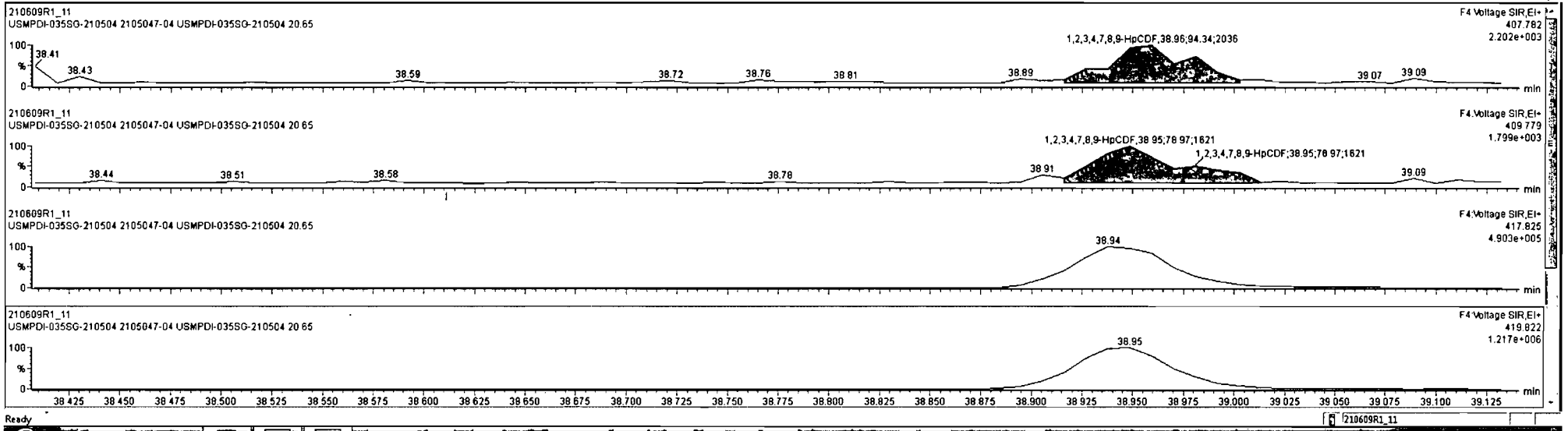


DPE4



Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8771	10.043			1.09		0.181	1.41
46 Total Hexa-Furans				0.9725	10.043			4.24		0.128	4.47
47 Total Hepta-Furans				1.0481	10.043			11.0		0.181	11.0
48 PFK1											
49 PFK2											
50 PFK3											

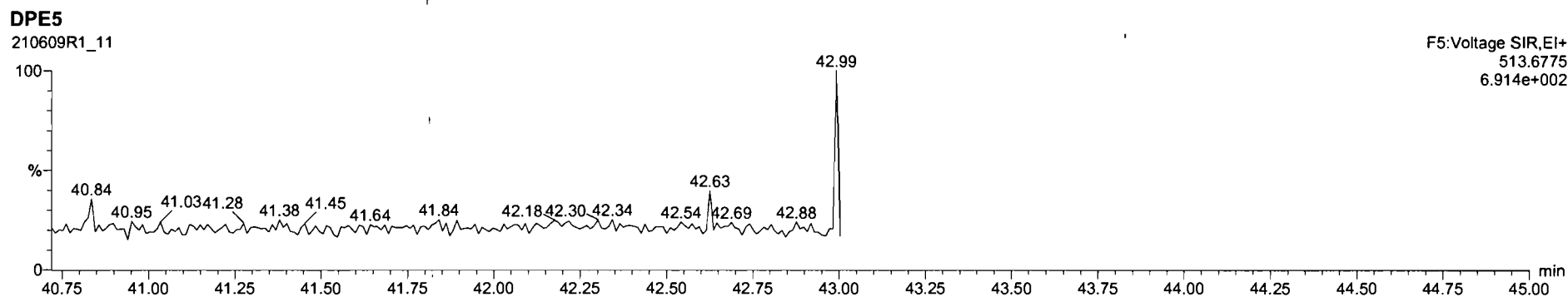
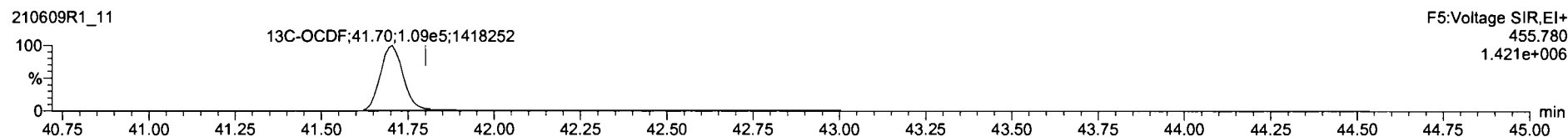
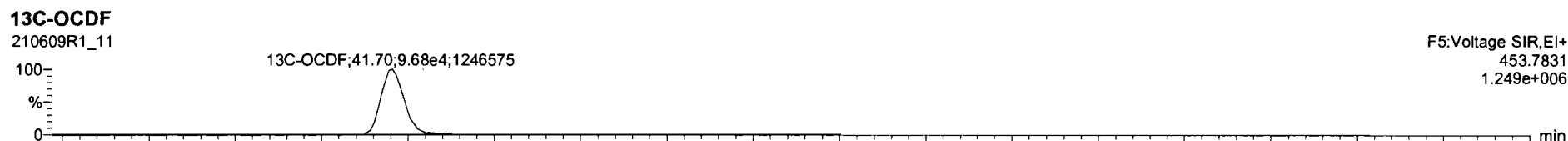
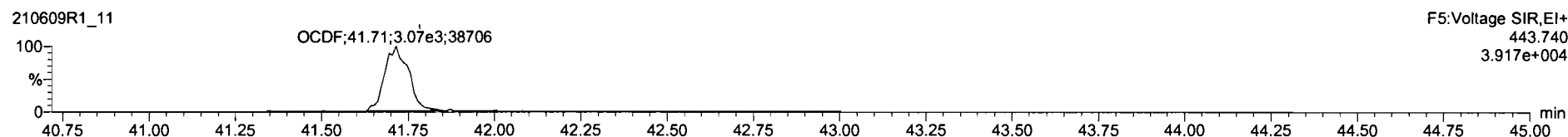
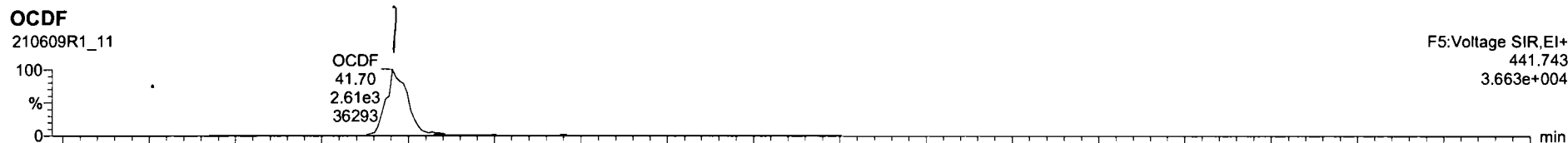
Name	RT / s	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.07	1.141e3	1.034e3	1.10	NO	3.6175	3.6175
2 Total Hepta-Furans	37.72	1.936e3	1.944e3	1.00	NO	7.0012	7.0012
3 1,2,3,4,7,8,9-HpCDF	38.96	9.434e1	7.897e1	1.19	NO	0.34271	0.34271



Dataset: Untitled

Last Altered: Tuesday, June 15, 2021 13:41:45 Pacific Daylight Time  
Printed: Tuesday, June 15, 2021 13:42:14 Pacific Daylight Time

Name: 210609R1\_11, Date: 09-Jun-2021, Time: 18:23:08, ID: 2105047-04 USMPDI-035SG-210504 20.65, Description: USMPDI-035SG-210504

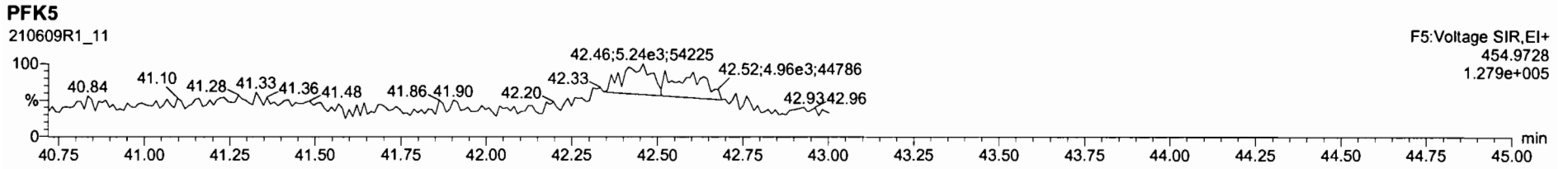
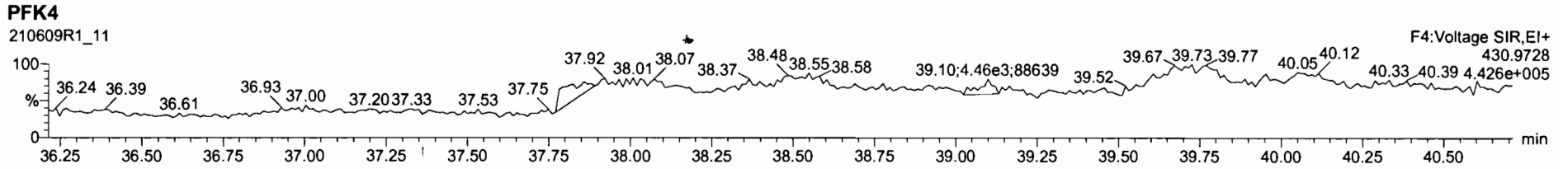
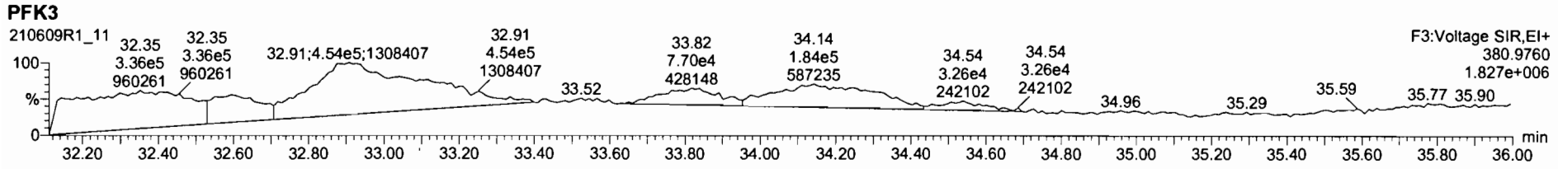
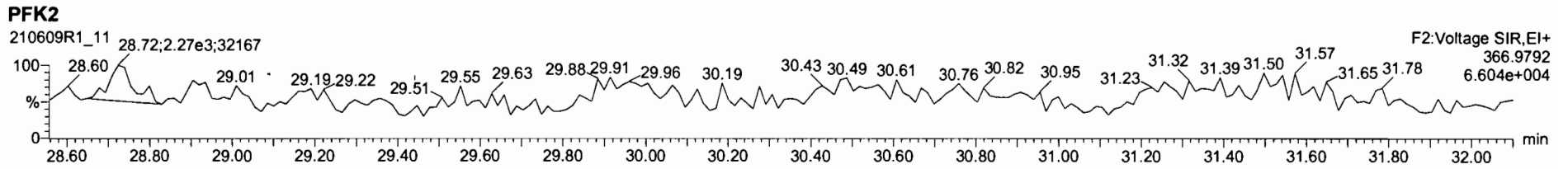
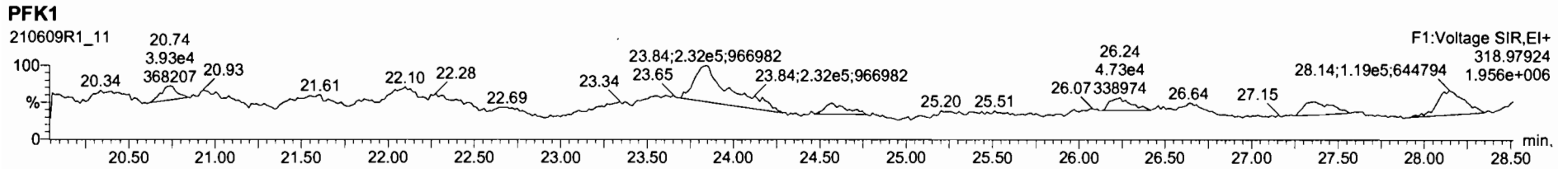


Dataset: Untitled

Last Altered: Tuesday, June 15, 2021 13:41:45 Pacific Daylight Time

Printed: Tuesday, June 15, 2021 13:42:14 Pacific Daylight Time

Name: 210609R1\_11, Date: 09-Jun-2021, Time: 18:23:08, ID: 2105047-04 USMPDI-035SG-210504 20.65, Description: USMPDI-035SG-210504



**SAMPLE DATA – EPA METHOD 1668A**

Dataset: U:\VG11.PRO\Results\210517K2\210517K2-9.qld

Last Altered: Friday, May 21, 2021 12:54:20 PM Pacific Daylight Time

Printed: Friday, May 21, 2021 12:57:41 PM Pacific Daylight Time

*He 5-21-2021*

*CT05/26/2021*

Method: Untitled 17 May 2021 16:25:28

Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 18:49:42

Name: 210517K2\_9, Date: 17-May-2021, Time: 22:51:50, ID: B1E0116-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1			NO	0.986	10.000	15.59		1.001		YES			0.159	
2	2 PCB-2			NO	1.02	10.000	17.99		0.988		YES			0.178	
3	3 PCB-3			NO	1.00	10.000	18.22		1.001		YES			0.181	
4	4 PCB-4/10			NO	1.21	10.000	19.65		1.004		YES			1.31	
5	5 PCB-7/9			NO	0.939	10.000	21.44		1.003		YES			1.04	
6	6 PCB-6			NO	0.996	10.000	22.09		1.033		YES			0.979	
7	7 PCB-5/8			NO	0.976	10.000	22.50		1.052		YES			1.00	
8	8 PCB-14			NO	1.02	10.000	23.62		0.951		YES			0.975	
9	9 PCB-11			NO	1.12	10.000	24.85		1.001		YES			0.895	
10	10 PCB-12/13			NO	1.02	10.000	25.28		1.018		YES			0.980	
11	11 PCB-15			NO	1.02	10.000	25.56		1.030		YES			0.982	
12	12 PCB-19			NO	0.972	10.000	23.81		1.001		YES			0.428	
13	13 PCB-30			NO	1.54	10.000	24.72		1.039		YES			0.270	
14	14 PCB-18			NO	0.719	10.000	25.50		0.952		YES			0.353	
15	15 PCB-17			NO	0.672	10.000	25.66		0.958		YES			0.378	
16	16 PCB-24/27			NO	0.932	10.000	26.24		0.980		YES			0.272	
17	17 PCB-16/32			NO	0.824	10.000	26.80		1.001		YES			0.308	
18	18 PCB-34			NO	0.878	10.000	27.59		0.959		YES			0.261	
19	19 PCB-23			NO	0.892	10.000	27.69		0.962		YES			0.257	
20	20 PCB-29			NO	0.861	10.000	27.96		0.972		YES			0.266	
21	21 PCB-26			NO	0.915	10.000	28.16		0.979		YES			0.251	
22	22 PCB-25			NO	0.915	10.000	28.32		0.984		YES			0.250	
23	23 PCB-31			NO	1.03	10.000	28.70		0.998		YES			0.222	
24	24 PCB-28			NO	1.01	10.000	28.79		1.001		YES			0.226	
25	25 PCB-20/21/33			NO	0.913	10.000	29.43		1.023		YES			0.251	
26	26 PCB-22			NO	0.948	10.000	29.89		1.039		YES			0.242	
27	27 PCB-36			NO	1.07	10.000	30.52		0.931		YES			0.224	
28	28 PCB-39			NO	1.00	10.000	31.01		0.946		YES			0.238	
29	29 PCB-38			NO	1.05	10.000	31.80		0.970		YES			0.228	
30	30 PCB-35			NO	1.05	10.000	32.35		0.987		YES			0.228	
31	31 PCB-37			NO	1.03	10.000	32.79		1.001		YES			0.233	
32	32 PCB-54			NO	0.974	10.000	27.64		1.001		YES			0.166	

Dataset: U:\VG11.PRO\Results\210517K2\210517K2-9.qld

Last Altered: Friday, May 21, 2021 12:54:20 PM Pacific Daylight Time

Printed: Friday, May 21, 2021 12:57:41 PM Pacific Daylight Time

Name: 210517K2\_9, Date: 17-May-2021, Time: 22:51:50, ID: B1E0116-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50			NO	0.803	10.000	28.86		1.045		YES			0.201	
34	34 PCB-53			NO	0.939	10.000	29.52		0.944		YES			0.205	
35	35 PCB-51			NO	1.00	10.000	29.87		0.955		YES			0.193	
36	36 PCB-45			NO	0.802	10.000	30.32		0.970		YES			0.240	
37	37 PCB-46			NO	0.770	10.000	30.82		0.986		YES			0.250	
38	38 PCB-52/69			NO	1.08	10.000	31.31		1.001		YES			0.178	
39	39 PCB-73			NO	1.31	10.000	31.44		1.005		YES			0.148	
40	40 PCB-43/49			NO	0.925	10.000	31.59		1.010		YES			0.209	
41	41 PCB-47			NO	0.863	10.000	31.81		1.001		YES			0.217	
42	42 PCB-48/75			NO	1.04	10.000	31.94		1.005		YES			0.180	
43	43 PCB-65			NO	1.16	10.000	32.20		1.013		YES			0.161	
44	44 PCB-62			NO	1.04	10.000	32.31		1.016		YES			0.180	
45	45 PCB-44			NO	0.757	10.000	32.63		1.026		YES			0.247	
46	46 PCB-42/59			NO	0.975	10.000	32.87		1.034		YES			0.192	
47	47 PCB-41/64/71/72			NO	1.12	10.000	33.46		1.053		YES			0.167	
48	48 PCB-68			NO	1.19	10.000	33.75		1.062		YES			0.157	
49	49 PCB-40			NO	0.572	10.000	33.98		1.069		YES			0.326	
50	50 PCB-57			NO	1.08	10.000	34.34		0.970		YES			0.152	
51	51 PCB-67			NO	1.02	10.000	34.65		0.978		YES			0.161	
52	52 PCB-58			NO	1.08	10.000	34.76		0.982		YES			0.151	
53	53 PCB-63			NO	0.971	10.000	34.93		0.986		YES			0.169	
54	54 PCB-74			NO	1.09	10.000	35.22		0.994		YES			0.151	
55	55 PCB-61/70			NO	0.978	10.000	35.44		1.000		YES			0.167	
56	56 PCB-76/66			NO	1.07	10.000	35.64		1.006		YES			0.153	
57	57 PCB-80			NO	1.08	10.000	35.87		1.001		YES			0.152	
58	58 PCB-55			NO	1.06	10.000	36.20		1.010		YES			0.154	
59	59 PCB-56/60			NO	0.946	10.000	36.69		1.023		YES			0.174	
60	60 PCB-79			NO	1.06	10.000	37.82		1.055		YES			0.155	
61	61 PCB-78			NO	1.01	10.000	38.52		0.987		YES			0.192	
62	62 PCB-81			NO	0.941	10.000	39.07		1.000		YES			0.205	
63	63 PCB-77			NO	1.03	10.000	39.68		1.000		YES			0.186	
64	64 PCB-104			NO	0.982	10.000	32.48		1.001		YES			0.149	
65	65 PCB-96			NO	0.982	10.000	33.78		1.041		YES			0.149	
66	66 PCB-103			NO	0.770	10.000	34.36		1.059		YES			0.190	
67	67 PCB-100			NO	0.805	10.000	34.71		1.069		YES			0.182	
68	68 PCB-94			NO	0.831	10.000	35.19		0.985		YES			0.256	



Dataset: U:\VG11.PRO\Results\210517K2\210517K2-9.qld

Last Altered: Friday, May 21, 2021 12:54:20 PM Pacific Daylight Time  
Printed: Friday, May 21, 2021 12:57:41 PM Pacific Daylight Time

Name: 210517K2\_9, Date: 17-May-2021, Time: 22:51:50, ID: B1E0116-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102			NO	1.07	10.000	35.68		0.999		YES			0.199	
70	70 PCB-93			NO	0.761	10.000	35.81		1.002		YES			0.279	
71	71 PCB-88/91			NO	0.910	10.000	36.16		1.012		YES			0.234	
72	72 PCB-121			NO	1.46	10.000	36.27		1.015		YES			0.145	
73	73 PCB-84/92			NO	0.826	10.000	37.09		0.990		YES			0.238	
74	74 PCB-89			NO	0.885	10.000	37.27		0.995		YES			0.222	
75	75 PCB-90/101			NO	0.905	10.000	37.48		1.000		YES			0.218	
76	76 PCB-113			NO	1.26	10.000	37.73		1.007		YES			0.156	
77	77 PCB-99			NO	0.993	10.000	37.82		1.010		YES			0.198	
78	78 PCB-119			NO	1.53	10.000	38.30		0.987		YES			0.163	
79	79 PCB-108/112			NO	1.25	10.000	38.46		0.991		YES			0.200	
80	80 PCB-83			NO	1.56	10.000	38.62		0.995		YES			0.160	
81	81 PCB-97			NO	1.12	10.000	38.82		1.000		YES			0.222	
82	82 PCB-86			NO	1.06	10.000	38.98		1.004		YES			0.236	
83	83 PCB-87/117/125			NO	1.34	10.000	39.12		1.008		YES			0.186	
84	84 PCB-111/115			NO	1.62	10.000	39.27		1.012		YES			0.154	
85	85 PCB-85/116			NO	1.23	10.000	39.40		1.015		YES			0.203	
86	86 PCB-120			NO	1.79	10.000	39.64		1.022		YES			0.139	
87	87 PCB-110			NO	1.50	10.000	39.79		1.025		YES			0.166	
88	88 PCB-82			NO	0.638	10.000	40.45		0.975		YES			0.307	
89	89 PCB-124			NO	1.08	10.000	41.17		0.993		YES			0.181	
90	90 PCB-107/109			NO	1.11	10.000	41.32		0.996		YES			0.176	
91	91 PCB-123			NO	1.00	10.000	41.49		1.000		YES			0.195	
92	92 PCB-106/118			NO	1.02	10.000	41.69		1.001		YES			0.193	
93	93 PCB-114			NO	1.08	10.000	42.35		1.000		YES			0.267	
94	94 PCB-122			NO	0.930	10.000	42.50		1.004		YES			0.312	
95	95 PCB-105			NO	1.03	10.000	43.24		1.000		YES			0.289	
96	96 PCB-127			NO	1.06	10.000	43.58		1.000		YES			0.273	
97	97 PCB-126			NO	1.15	10.000	45.55		1.000		YES			0.299	
98	98 PCB-155			NO	0.853	10.000	37.02		1.000		YES			0.155	
99	99 PCB-150			NO	0.934	10.000	38.34		1.036		YES			0.141	
100	1... PCB-152			NO	1.02	10.000	38.82		1.049		YES			0.129	
101	1... PCB-145			NO	0.983	10.000	39.29		1.062		YES			0.134	
102	1... PCB-136			NO	0.881	10.000	39.62		1.071		YES			0.150	
103	1... PCB-148			NO	0.666	10.000	39.74		1.074		YES			0.198	
104	1... PCB-154			NO	0.721	10.000	40.24		1.088		YES			0.183	

Dataset: U:\VG11.PRO\Results\210517K2\210517K2-9.qld

Last Altered: Friday, May 21, 2021 12:54:20 PM Pacific Daylight Time

Printed: Friday, May 21, 2021 12:57:41 PM Pacific Daylight Time

Name: 210517K2\_9, Date: 17-May-2021, Time: 22:51:50, ID: B1E0116-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151			NO	0.674	10.000	40.89		1.105		YES			0.196	
106	1... PCB-135			NO	0.723	10.000	41.11		1.111		YES			0.182	
107	1... PCB-144			NO	0.691	10.000	41.22		1.114		YES			0.191	
108	1... PCB-147			NO	0.713	10.000	41.37		1.118		YES			0.185	
109	1... PCB-139/149			NO	0.773	10.000	41.63		1.125		YES			0.171	
110	1... PCB-140			NO	0.652	10.000	41.84		1.131		YES			0.202	
111	1... PCB-134/143			NO	0.718	10.000	42.29		0.975		YES			0.325	
112	1... PCB-131/133			NO	0.768	10.000	42.59		0.982		YES			0.304	
113	1... PCB-142			NO	0.687	10.000	42.75		0.985		YES			0.339	
114	1... PCB-146/165			NO	0.943	10.000	42.99		0.991		YES			0.247	
115	1... PCB-132/161			NO	0.957	10.000	43.24		0.997		YES			0.244	
116	1... PCB-153			NO	0.990	10.000	43.43		1.001		YES			0.236	
117	1... PCB-168			NO	1.03	10.000	43.64		1.006		YES			0.225	
118	1... PCB-141			NO	0.948	10.000	44.16		1.000		YES			0.297	
119	1... PCB-137			NO	0.964	10.000	44.56		1.009		YES			0.292	
120	1... PCB-130			NO	0.816	10.000	44.68		1.012		YES			0.345	
121	1... PCB-138/163/164			NO	1.15	10.000	45.08		1.001		YES			0.242	
122	1... PCB-158/160			NO	1.14	10.000	45.32		1.007		YES			0.245	
123	1... PCB-129			NO	0.807	10.000	45.57		1.012		YES			0.346	
124	1... PCB-166			NO	1.03	10.000	46.03		0.993		YES			0.244	
125	1... PCB-159			NO	1.10	10.000	46.36		1.000		YES			0.229	
126	1... PCB-128/162			NO	0.836	10.000	46.66		1.007		YES			0.300	
127	1... PCB-167			NO	0.960	10.000	47.06		1.000		YES			0.239	
128	1... PCB-156			NO	1.06	10.000	48.39		1.000		YES			0.252	
129	1... PCB-157			NO	0.960	10.000	48.68		1.000		YES			0.268	
130	1... PCB-169			NO	1.04	10.000	50.95		1.000		YES			0.280	
131	1... PCB-188			NO	1.15	10.000	43.03		1.001		YES			0.221	
132	1... PCB-184			NO	1.14	10.000	43.47		1.011		YES			0.223	
133	1... PCB-179			NO	1.07	10.000	44.28		1.030		YES			0.237	
134	1... PCB-176			NO	1.11	10.000	44.75		1.041		YES			0.229	
135	1... PCB-186			NO	1.23	10.000	45.41		1.056		YES			0.207	
136	1... PCB-178			NO	0.830	10.000	45.91		1.068		YES			0.307	
137	1... PCB-175			NO	0.853	10.000	46.27		1.076		YES			0.299	
138	1... PCB-182/187			NO	0.942	10.000	46.44		1.080		YES			0.270	
139	1... PCB-183			NO	0.910	10.000	46.76		1.088		YES			0.280	
140	1... PCB-185			NO	1.24	10.000	47.42		0.954		YES			0.355	

Dataset: U:\VG11.PRO\Results\210517K2\210517K2-9.qld

Last Altered: Friday, May 21, 2021 12:54:20 PM Pacific Daylight Time  
Printed: Friday, May 21, 2021 12:57:41 PM Pacific Daylight Time

Name: 210517K2\_9, Date: 17-May-2021, Time: 22:51:50, ID: B1E0116-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174			NO	1.20	10.000	47.80		0.962		YES			0.367	
142	1... PCB-181			NO	1.33	10.000	47.90		0.964		YES			0.331	
143	1... PCB-177			NO	1.14	10.000	48.09		0.968		YES			0.385	
144	1... PCB-171			NO	1.22	10.000	48.39		0.974		YES			0.361	
145	1... PCB-173			NO	1.07	10.000	48.82		0.982		YES			0.412	
146	1... PCB-172			NO	1.26	10.000	49.30		0.992		YES			0.350	
147	1... PCB-192			NO	1.61	10.000	49.48		0.996		YES			0.272	
148	1... PCB-180			NO	1.30	10.000	49.72		1.000		YES			0.338	
149	1... PCB-193			NO	1.47	10.000	49.93		1.005		YES			0.299	
150	1... PCB-191			NO	1.51	10.000	50.19		1.010		YES			0.292	
151	1... PCB-170			NO	1.23	10.000	51.37		1.000		YES			0.382	
152	1... PCB-190			NO	1.61	10.000	51.56		1.004		YES			0.292	
153	1... PCB-189			NO	1.27	10.000	53.04		1.000		YES			0.236	
154	1... PCB-202			NO	0.995	10.000	48.64		1.001		YES			0.166	
155	1... PCB-201			NO	0.904	10.000	49.13		1.011		YES			0.183	
156	1... PCB-204			NO	0.955	10.000	49.29		1.014		YES			0.173	
157	1... PCB-197			NO	0.964	10.000	49.61		1.021		YES			0.171	
158	1... PCB-200			NO	0.911	10.000	50.53		1.040		YES			0.181	
159	1... PCB-198			NO	0.696	10.000	52.05		1.071		YES			0.237	
160	1... PCB-199			NO	0.706	10.000	52.18		1.074		YES			0.234	
161	1... PCB-196/203			NO	0.754	10.000	52.46		1.079		YES			0.219	
162	1... PCB-195			NO	0.957	10.000	53.72		0.984		YES			0.310	
163	1... PCB-194			NO	1.06	10.000	54.62		1.000		YES			0.280	
164	1... PCB-205			NO	1.27	10.000	54.89		1.005		YES			0.234	
165	1... PCB-208			NO	0.861	10.000	53.87		1.000		YES			0.148	
166	1... PCB-207			NO	0.849	10.000	54.19		1.006		YES			0.150	
167	1... PCB-206			NO	0.951	10.000	56.17		1.000		YES			0.218	
168	1... PCB-209			NO	0.863	10.000	57.35		1.000		YES			0.141	
169	1... 13C-PCB-1	5.40e5	3.30	NO	0.937	10.000	15.57	15.58	0.609	0.610	NO	848.8	84.9	1.03	
170	1... 13C-PCB-3	4.93e5	3.24	NO	0.934	10.000	18.20	18.20	0.712	0.713	NO	778.1	77.8	1.04	
171	1... 13C-PCB-4	3.04e5	1.60	NO	0.599	10.000	19.55	19.57	0.765	0.766	NO	747.1	74.7	0.633	
172	1... 13C-PCB-9	4.85e5	1.55	NO	0.960	10.000	21.38	21.38	0.837	0.837	NO	745.1	74.5	0.395	
173	1... 13C-PCB-11	4.92e5	1.57	NO	0.929	10.000	24.83	24.83	0.972	0.972	NO	780.4	78.0	0.408	
174	1... 13C-PCB-19	2.97e5	0.96	NO	0.506	10.000	23.78	23.78	0.931	0.931	NO	864.9	86.5	5.76	
175	1... 13C-PCB-32	4.61e5	1.01	NO	0.738	10.000	26.77	26.77	1.048	1.048	NO	920.9	92.1	3.95	
176	1... 13C-PCB-28	4.30e5	1.05	NO	1.06	10.000	28.77	28.77	1.003	1.003	NO	704.2	70.4	3.55	

Dataset: U:\VG11.PRO\Results\210517K2\210517K2-9.qld

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Printed: Friday, May 21, 2021 12:57:41 PM Pacific Daylight Time

Name: 210517K2\_9, Date: 17-May-2021, Time: 22:51:50, ID: B1E0116-BLK1 Method Blank 10, Description: Method Blank

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177	1... 13C-PCB-37	4.39e5	1.06	NO	0.979	10.000	32.77	32.78	1.143	1.143	NO	778.5	77.8	3.86	
178	1... 13C-PCB-54	4.14e5	0.78	NO	0.981	10.000	27.62	27.62	0.753	0.753	NO	869.9	87.0	1.18	
179	1... 13C-PCB-52	3.35e5	0.77	NO	0.786	10.000	31.27	31.27	0.852	0.852	NO	879.4	87.9	1.48	
180	1... 13C-PCB-47	3.52e5	0.75	NO	0.833	10.000	31.79	31.79	0.866	0.866	NO	871.2	87.1	1.40	
181	1... 13C-PCB-70	4.12e5	0.77	NO	0.981	10.000	35.42	35.42	0.965	0.965	NO	867.1	86.7	1.18	
182	1... 13C-PCB-80	4.22e5	0.78	NO	1.01	10.000	35.86	35.85	0.977	0.977	NO	859.3	85.9	1.15	
183	1... 13C-PCB-81	3.69e5	0.78	NO	0.995	10.000	39.06	39.05	1.064	1.064	NO	764.3	76.4	1.17	
184	1... 13C-PCB-77	3.58e5	0.78	NO	0.977	10.000	39.68	39.66	1.081	1.081	NO	756.6	75.7	1.19	
185	1... 13C-PCB-104	4.02e5	1.62	NO	1.00	10.000	32.44	32.46	0.827	0.827	NO	1007	101	0.772	
186	1... 13C-PCB-95	2.91e5	1.63	NO	0.779	10.000	35.70	35.73	0.910	0.910	NO	940.4	94.0	0.995	
187	1... 13C-PCB-101	3.05e5	1.59	NO	0.833	10.000	37.46	37.47	0.954	0.954	NO	922.0	92.2	0.931	
188	1... 13C-PCB-97	2.44e5	1.63	NO	0.679	10.000	38.79	38.81	0.988	0.989	NO	905.8	90.6	1.14	
189	1... 13C-PCB-123	3.09e5	1.61	NO	0.970	10.000	41.46	41.47	1.056	1.056	NO	802.9	80.3	0.799	
190	1... 13C-PCB-118	3.15e5	1.60	NO	1.00	10.000	41.63	41.65	1.061	1.061	NO	792.1	79.2	0.774	
191	1... 13C-PCB-114	2.74e5	1.53	NO	1.55	10.000	42.31	42.33	0.908	0.908	NO	838.9	83.9	1.25	
192	1... 13C-PCB-105	2.71e5	1.60	NO	1.59	10.000	43.19	43.22	0.927	0.927	NO	807.5	80.7	1.22	
193	1... 13C-PCB-127	2.78e5	1.66	NO	1.66	10.000	43.55	43.56	0.934	0.935	NO	796.6	79.7	1.17	
194	1... 13C-PCB-126	2.43e5	1.57	NO	1.65	10.000	45.51	45.53	0.976	0.977	NO	701.8	70.2	1.18	
195	1... 13C-PCB-155	3.32e5	1.24	NO	0.819	10.000	36.98	37.00	0.942	0.943	NO	1022	102	0.604	
196	1... 13C-PCB-153	2.46e5	1.27	NO	1.31	10.000	43.37	43.39	0.930	0.931	NO	888.8	88.9	1.48	
197	1... 13C-PCB-141	1.99e5	1.25	NO	1.08	10.000	44.13	44.15	0.947	0.947	NO	870.7	87.1	1.80	
198	1... 13C-PCB-138	2.06e5	1.25	NO	1.15	10.000	44.99	45.02	0.965	0.966	NO	846.3	84.6	1.69	
199	1... 13C-PCB-159	2.40e5	1.26	NO	1.39	10.000	46.34	46.35	0.994	0.994	NO	816.4	81.6	1.40	
200	2... 13C-PCB-167	2.48e5	1.29	NO	1.43	10.000	47.04	47.05	1.009	1.009	NO	824.6	82.5	1.37	
201	2... 13C-PCB-156	2.25e5	1.27	NO	1.34	10.000	48.37	48.37	1.038	1.038	NO	797.0	79.7	1.46	
202	2... 13C-PCB-157	2.36e5	1.28	NO	1.36	10.000	48.66	48.66	1.044	1.044	NO	825.0	82.5	1.43	
203	2... 13C-PCB-169	2.08e5	1.32	NO	1.33	10.000	50.93	50.93	1.093	1.093	NO	740.1	74.0	1.46	
204	2... 13C-PCB-188	2.33e5	0.43	NO	1.39	10.000	42.99	42.99	0.926	0.926	NO	901.0	90.1	1.36	
205	2... 13C-PCB-180	1.35e5	0.44	NO	0.907	10.000	49.72	49.70	1.071	1.070	NO	799.0	79.9	2.09	
206	2... 13C-PCB-170	1.25e5	0.45	NO	0.823	10.000	51.36	51.35	1.106	1.106	NO	817.0	81.7	2.30	
207	2... 13C-PCB-189	1.68e5	0.43	NO	1.08	10.000	53.01	53.01	1.141	1.142	NO	837.5	83.7	1.76	
208	2... 13C-PCB-202	2.20e5	0.89	NO	1.23	10.000	48.60	48.60	1.046	1.046	NO	961.5	96.2	1.42	
209	2... 13C-PCB-194	1.38e5	0.87	NO	0.710	10.000	54.60	54.60	0.995	0.995	NO	879.5	87.9	2.38	
210	2... 13C-PCB-208	1.82e5	0.77	NO	0.865	10.000	53.80	53.85	0.980	0.981	NO	952.0	95.2	2.21	
211	2... 13C-PCB-206	1.13e5	0.82	NO	0.623	10.000	56.18	56.15	1.024	1.023	NO	823.7	82.4	3.07	
212	2... 13C-PCB-209	1.24e5	1.19	NO	0.725	10.000	57.38	57.35	1.046	1.045	NO	775.7	77.6	0.346	

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Printed: Friday, May 21, 2021 12:57:41 PM Pacific Daylight Time

Name: 210517K2\_9, Date: 17-May-2021, Time: 22:51:50, ID: B1E0116-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	6.78e5	1.56	NO	1.00	10.000	25.53	25.55	1.000	0.000	NO	1000	100	0.380	
214	2... 13C-PCB-31	5.76e5	1.03	NO	1.00	10.000	28.67	28.68	1.000	0.000	NO	1000	100	3.77	
215	2... 13C-PCB-60	4.85e5	0.75	NO	1.00	10.000	36.69	36.70	1.000	0.000	NO	1000	100	1.16	
216	2... 13C-PCB-111	3.97e5	1.64	NO	1.00	10.000	39.26	39.25	1.000	0.000	NO	1000	100	0.775	
217	2... 13C-PCB-128	2.11e5	1.25	NO	1.00	10.000	46.63	46.61	1.000	0.000	NO	1000	100	1.95	
218	2... 13C-PCB-182	1.86e5	0.44	NO	1.00	10.000	46.44	46.44	0.000	0.000	NO	1000	100	1.89	
219	2... 13C-PCB-205	2.21e5	0.87	NO	1.00	10.000	54.93	54.88	1.000	0.000	NO	1000	100	1.69	
220	2... 13C-PCB-79	8.78e5	0.77	NO	1.04	10.000	37.81	37.78	1.030	1.029	NO	1748	87.4	1.12	
221	2... 13C-PCB-178	3.22e5	0.45	NO	0.774	10.000	45.88	45.89	0.988	0.988	NO	1974	98.7	2.15	
222	2... 13C-PCB-79	8.78e5	0.77	NO	1.04	10.000	37.77	37.78	0.967	0.968	NO	2286	114	1.51	
223	2... 13C-PCB-178	3.22e5	0.45	NO	1.02	10.000	45.85	45.89	0.923	0.923	NO	2345	117	2.60	
224	2... Total Mono-PCBs				1.00	10.000	0.00		0.000		NO			0.519	0.181
225	2... Total Di-PCBs				1.04	10.000	0.00		0.000		NO			0.46	1.31
226	2... 2nd Function Tri-PCBs				0.943	10.000	0.00		0.000		NO			2.01	0.428
227	2... 3rd Function Tri-PCBs				0.969	10.000	0.00		0.000		NO			9.38	
228	2... Total Tetra-PCBs				0.991	10.000	0.00		0.000		NO			5.04	0.326
229	2... 3rd Function Penta-PCBs				1.11	10.000	0.00		0.000		NO			5.70	0.312
230	2... 4th Function Penta-PCBs				1.05	10.000	0.00		0.000		NO			1.44	
231	2... 3rd Function Hexa-PCBs				0.791	10.000	0.00		0.000		NO			2.22	0.344
232	2... 4th Function Hexa-PCBs				0.946	10.000	0.00		0.000		NO			5.50	
233	2... Total Hepta-PCBs				1.20	10.000	0.00		0.000		NO			6.04	0.412
234	2... 4th Function Octa-PCBs				0.860	10.000	0.00		0.000		NO			1.56	
235	2... 5th Function Octa-PCBs				1.10	10.000	0.00		0.000		NO			0.825	0.310
236	2... Total Nona-PCBs				0.887	10.000	0.00		0.000		NO			0.517	0.218
237	2... Deca-CB				0.863	10.000	0.00		0.000		NO			0.141	
238	2... Total PCBs														

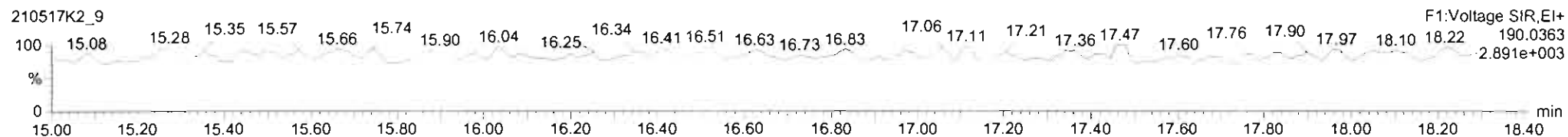
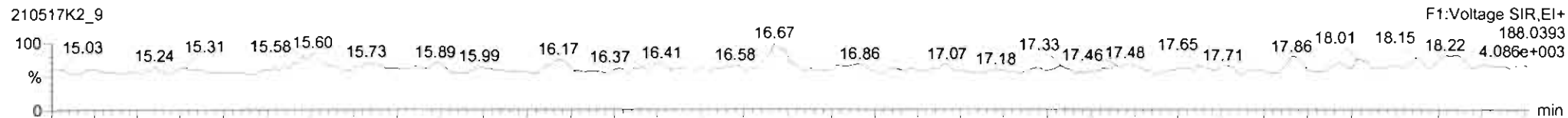
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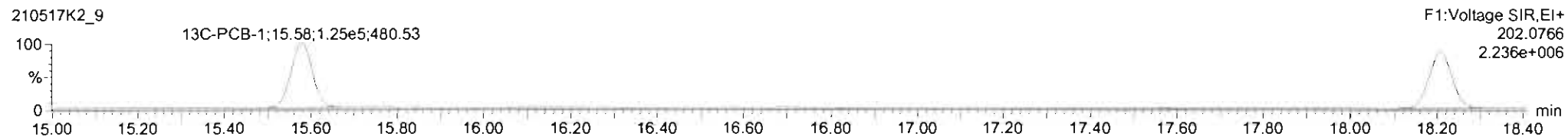
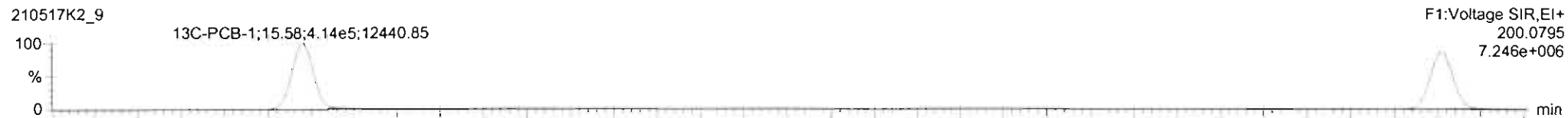
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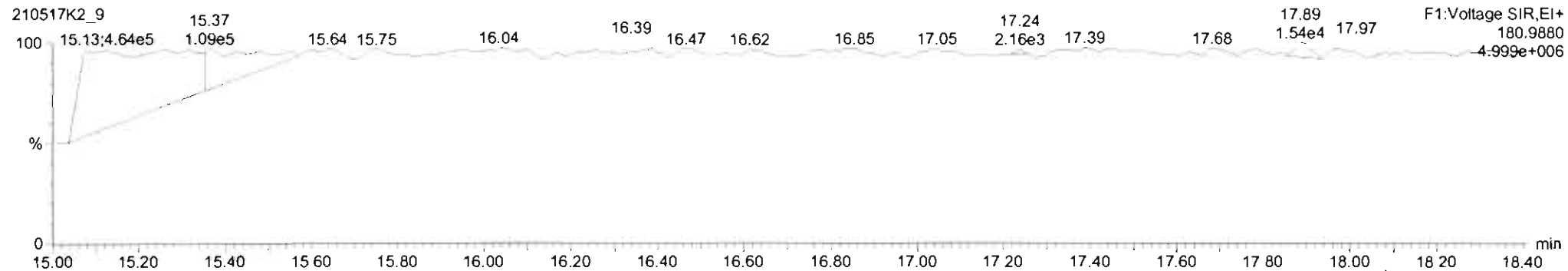
**PCB-1**



**13C-PCB-1**



**PFK1**



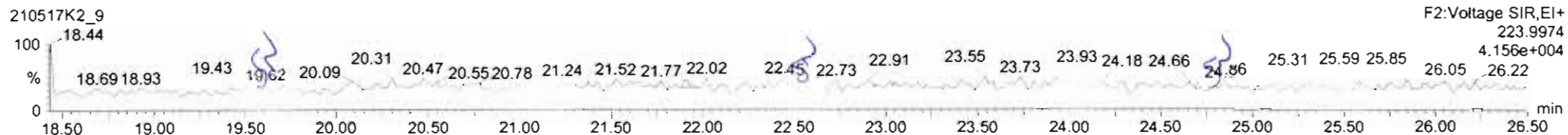
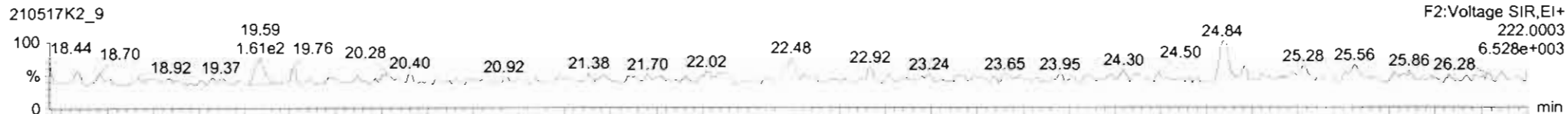
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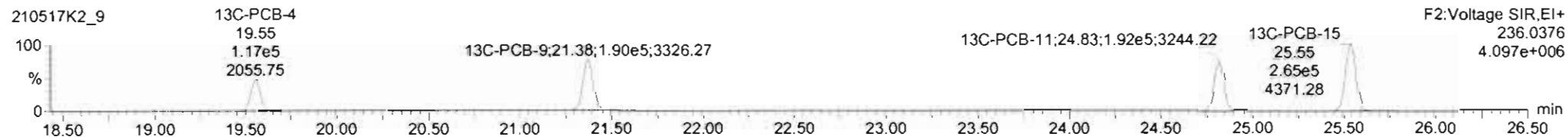
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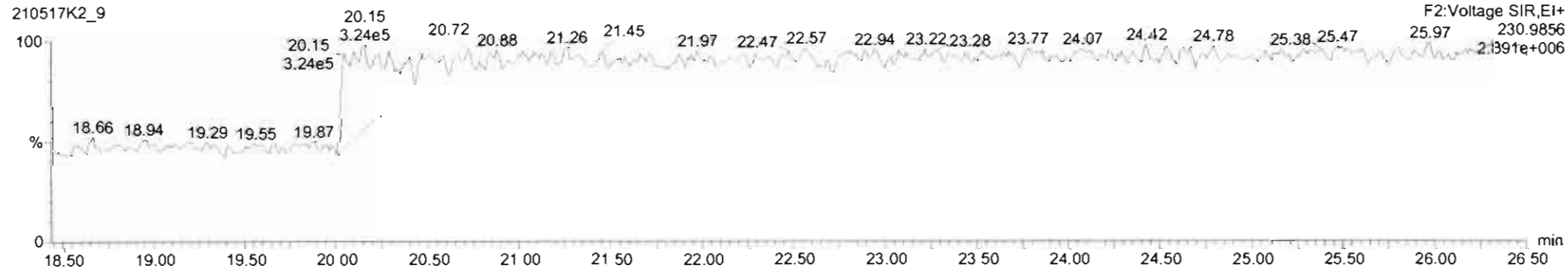
**PCB-4/10**



**13C-PCB-4**



**PFK2a**

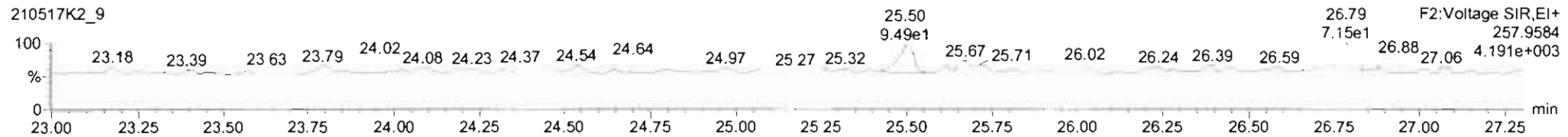
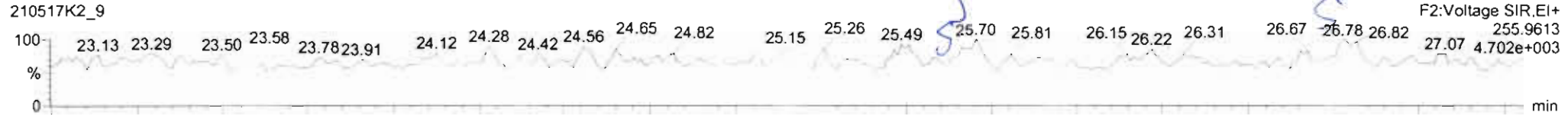


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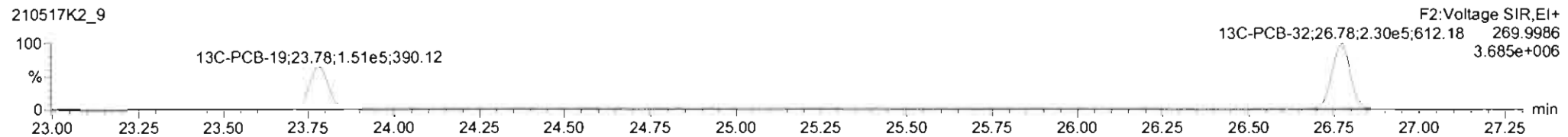
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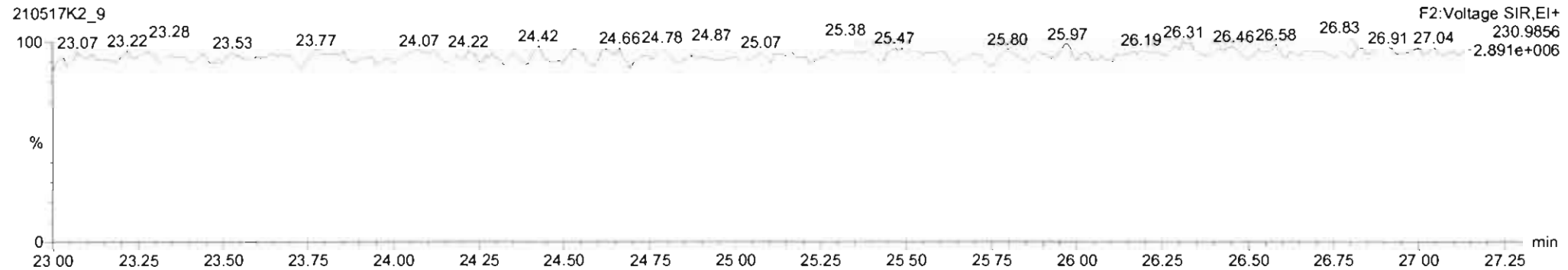
**PCB-19**



**13C-PCB-19**



**PFK2b**



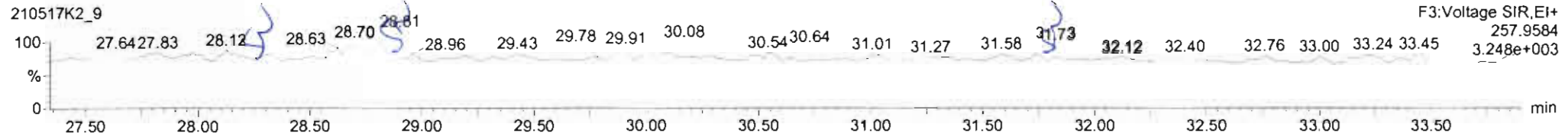
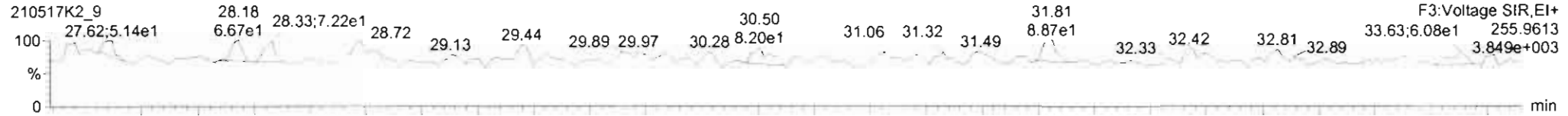


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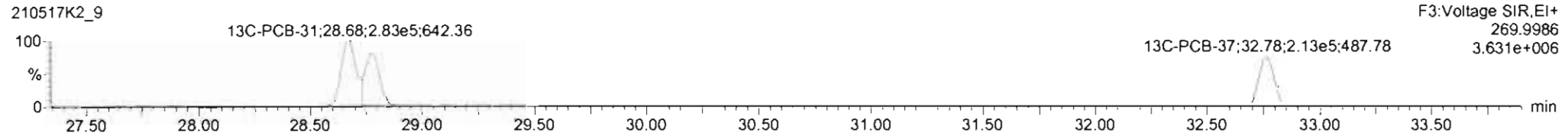
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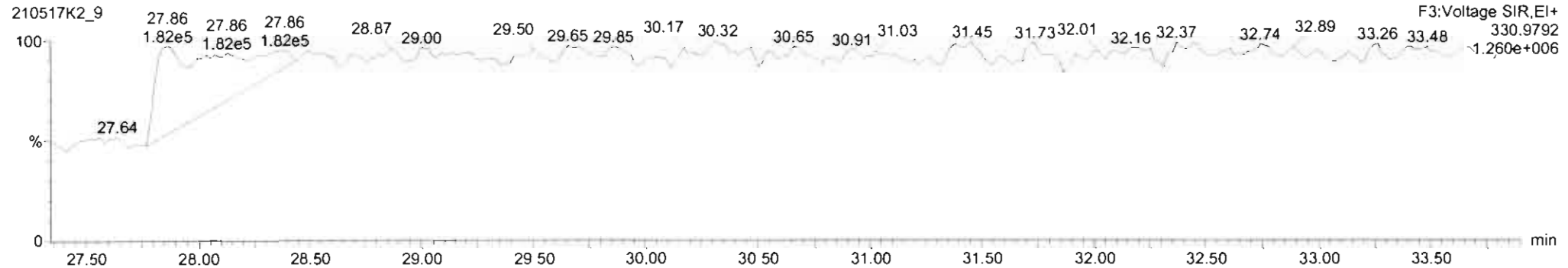
**PCB-34**



**13C-PCB-28**



**PFK3d**



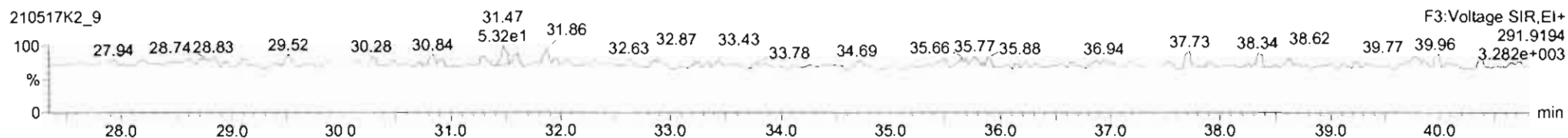
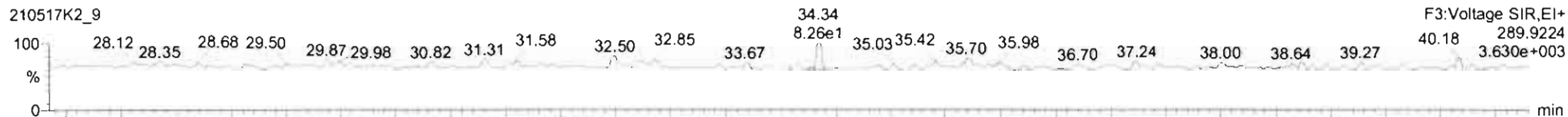
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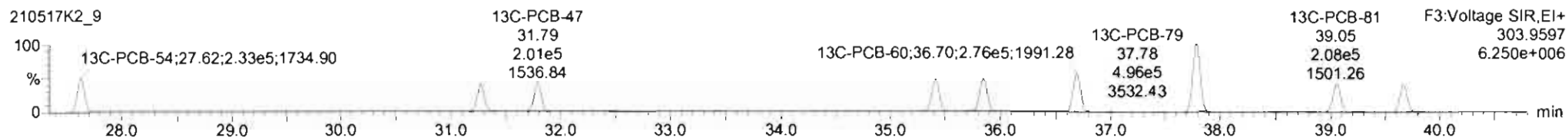
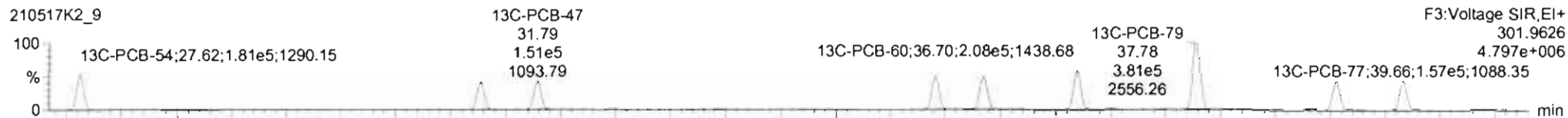
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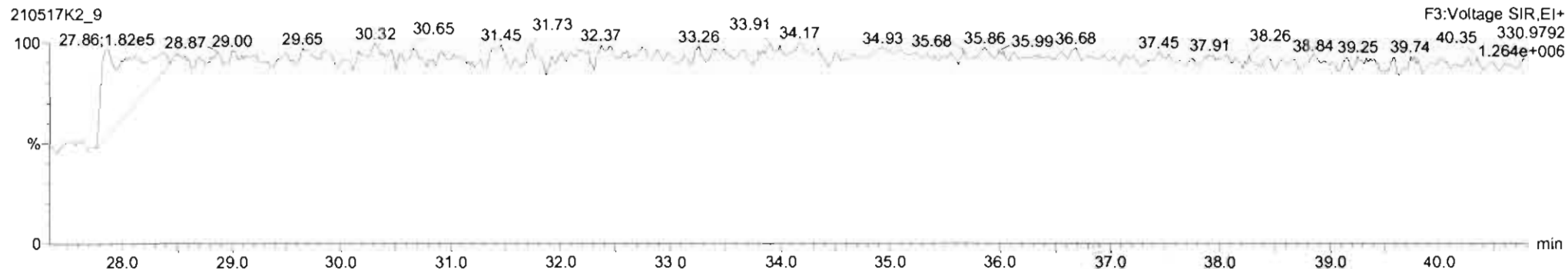
**PCB-54**



**13C-PCB-54**



**PFK3a**



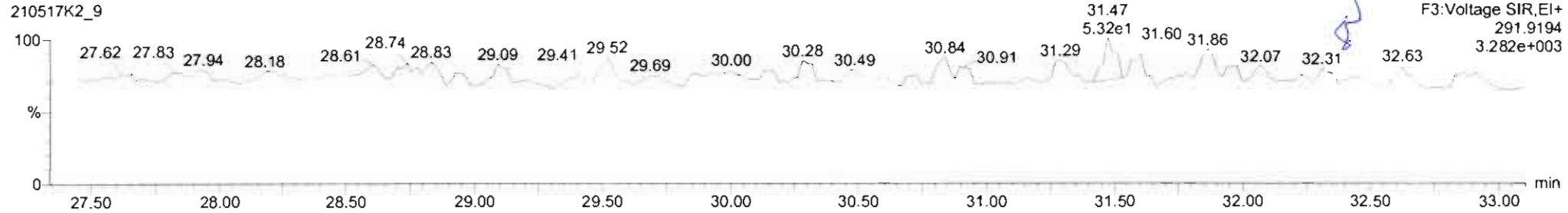
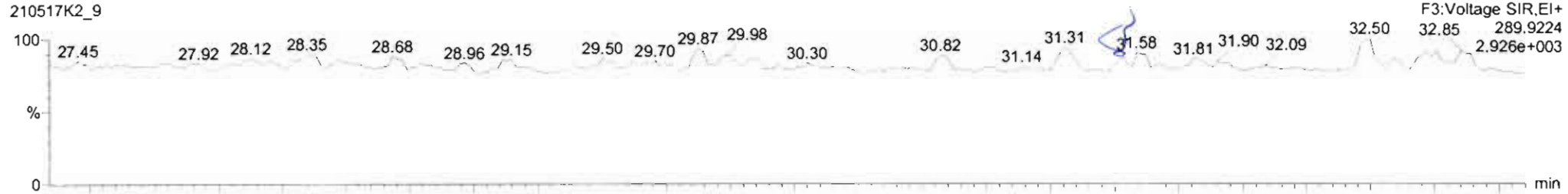
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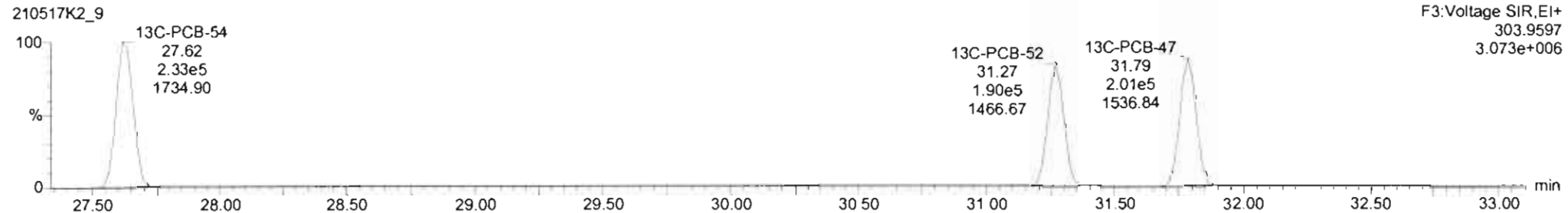
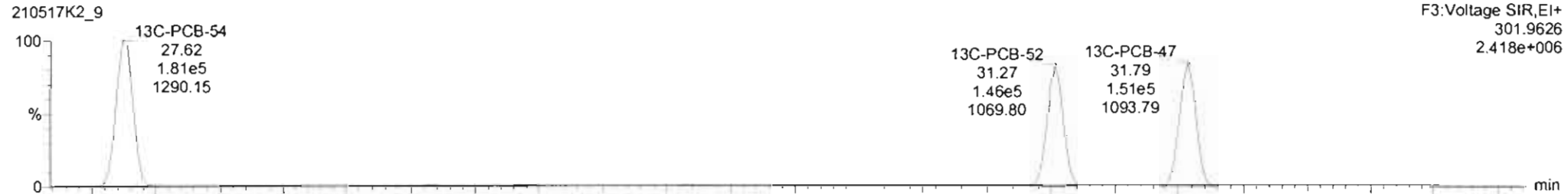
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PCB-50



13C-PCB-52



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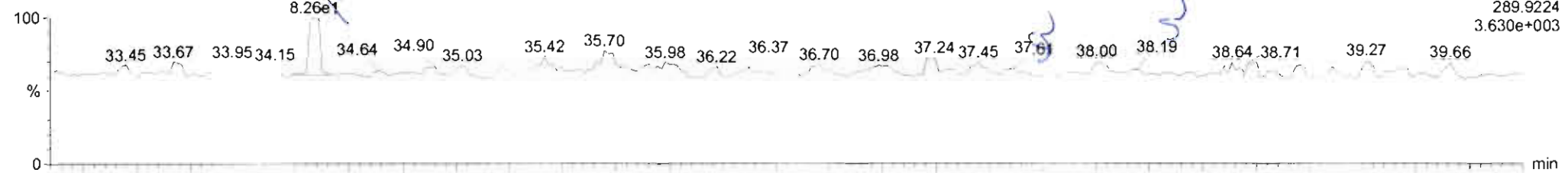
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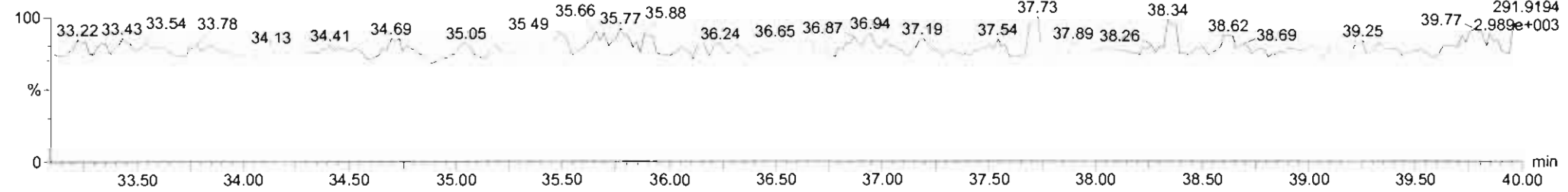
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PCB-68

210517K2\_9

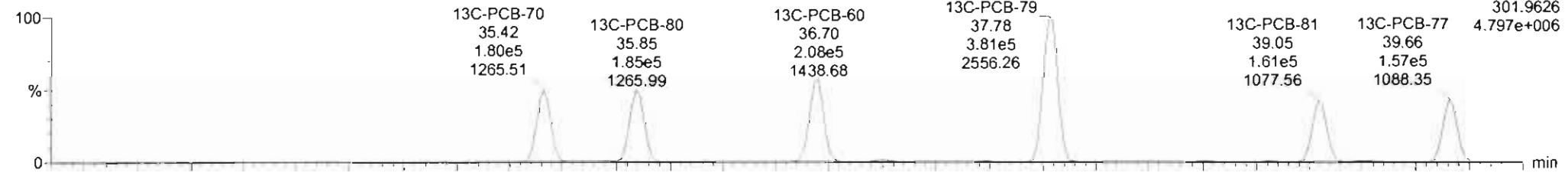


210517K2\_9

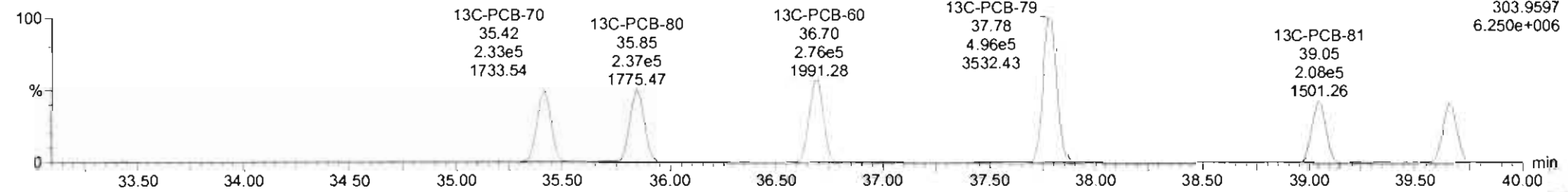


13C-PCB-60

210517K2\_9



210517K2\_9



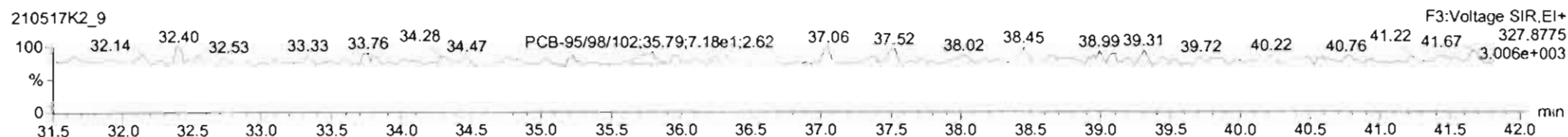
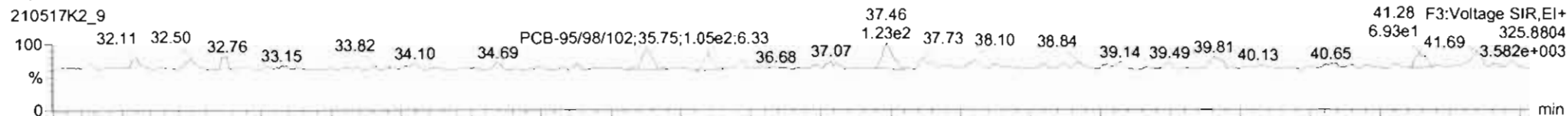
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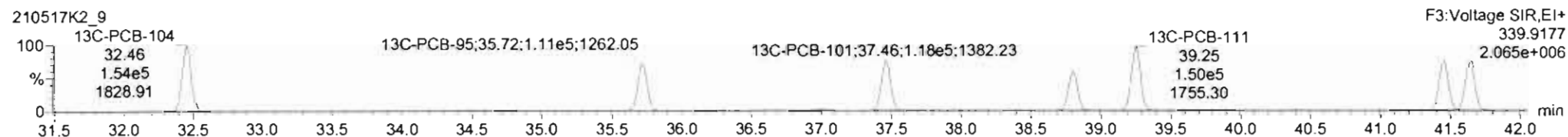
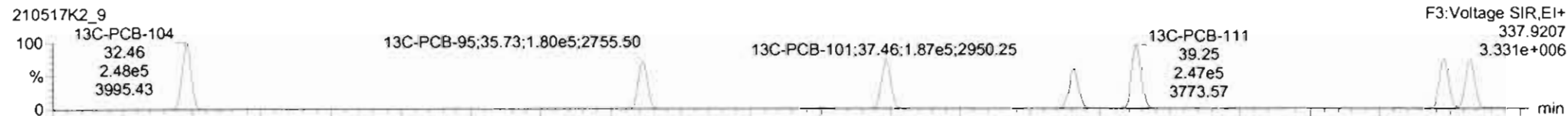
Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

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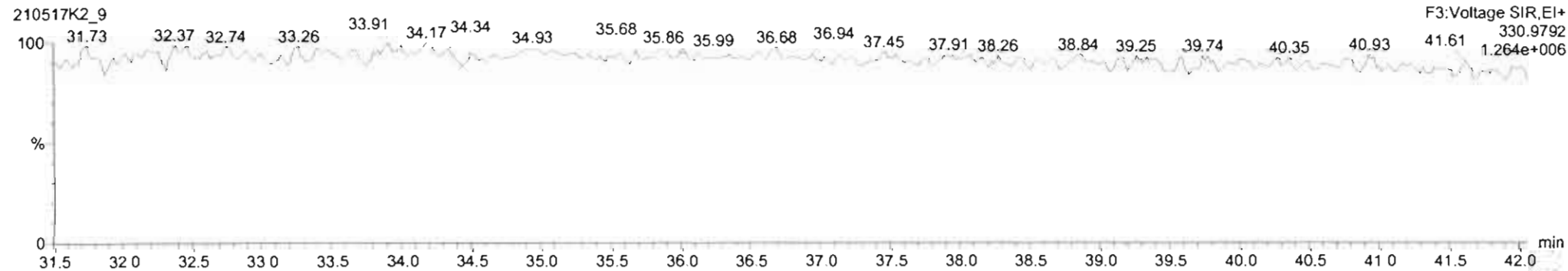
**PCB-104**



**13C-PCB-104**



**PFK3b**



Dataset: Untitled

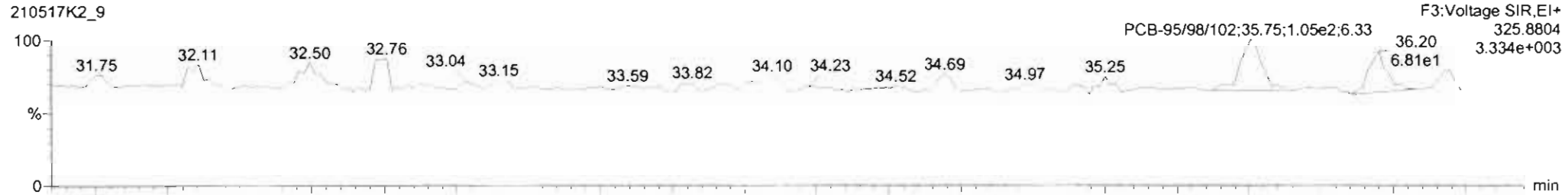
Last Altered: Tuesday, May 18, 2021 08:58:01 Pacific Daylight Time

Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

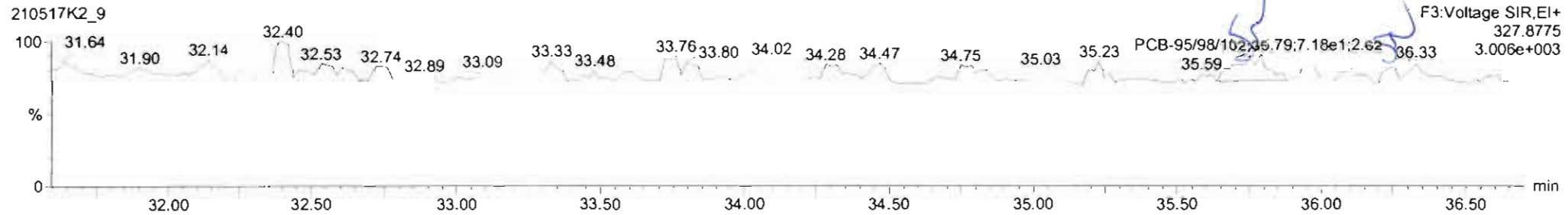
Name: 210517K2\_9, Date: 17-May-2021, Time: 22:51:50, ID: B1E0116-BLK1 Method Blank 10, Description: Method Blank

**PCB-96**

210517K2\_9

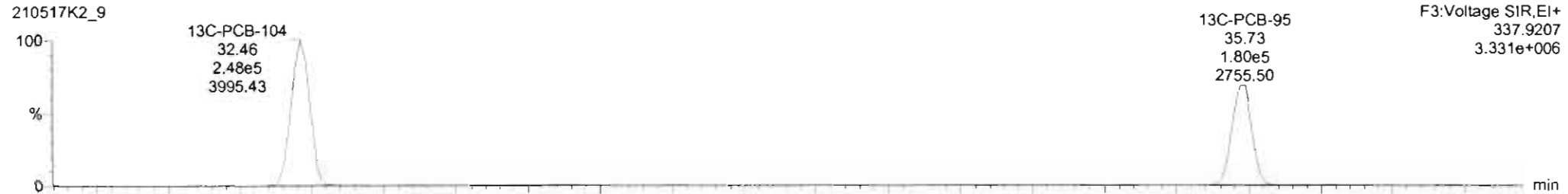


210517K2\_9

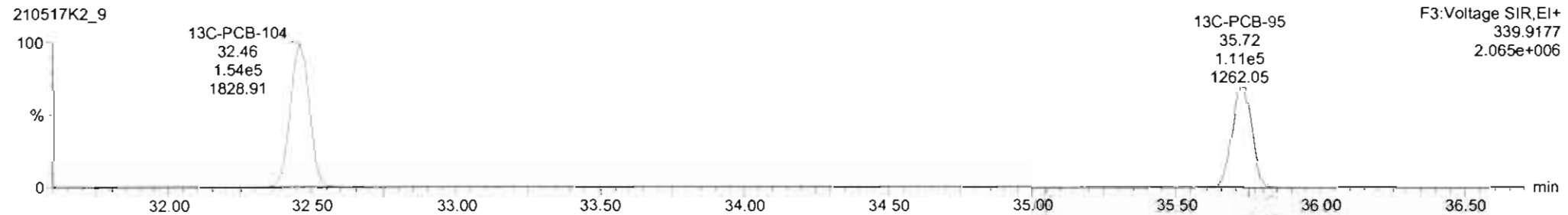


**13C-PCB-95**

210517K2\_9



210517K2\_9

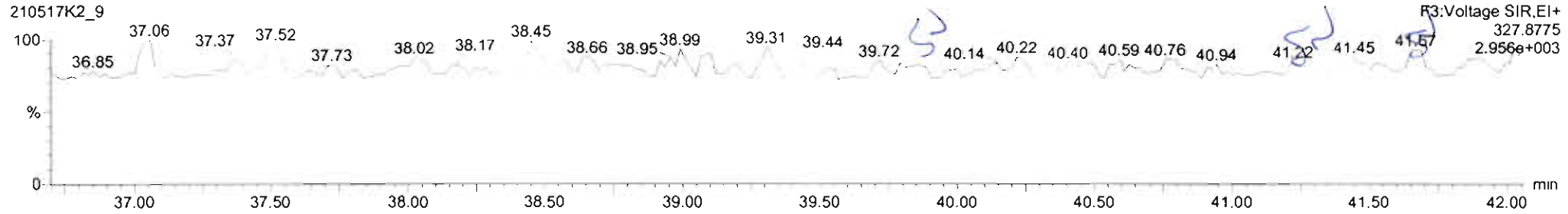
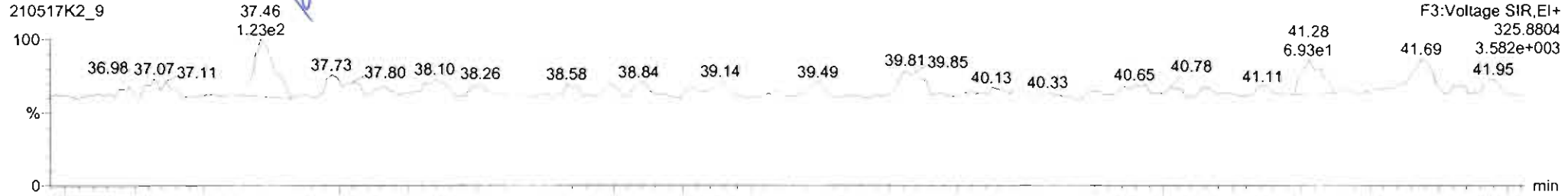


Dataset: Untitled

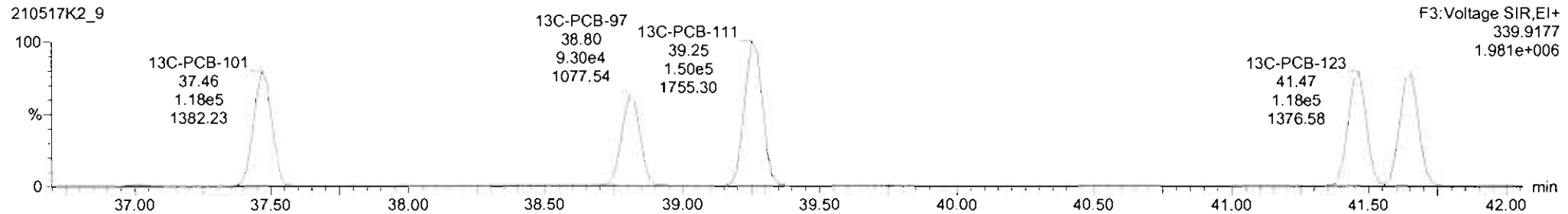
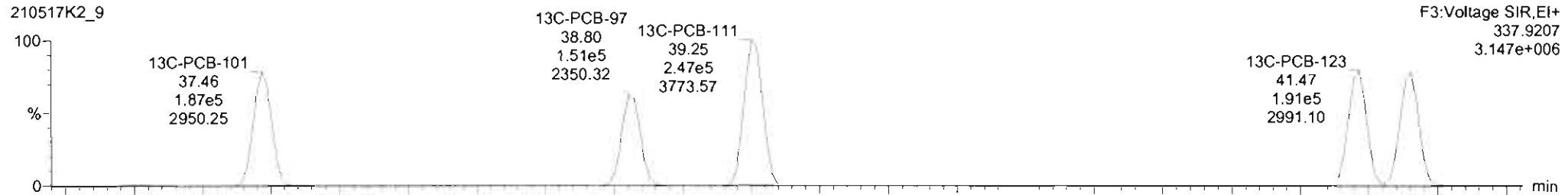
Last Altered: Tuesday, May 18, 2021 08:58:01 Pacific Daylight Time  
Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

Name: 210517K2\_9, Date: 17-May-2021, Time: 22:51:50, ID: B1E0116-BLK1 Method Blank 10, Description: Method Blank

PCB-119



13C-PCB-111





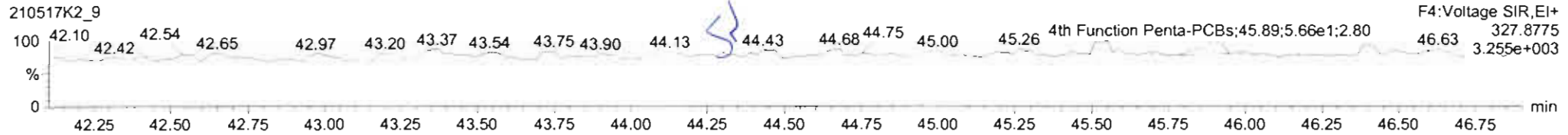
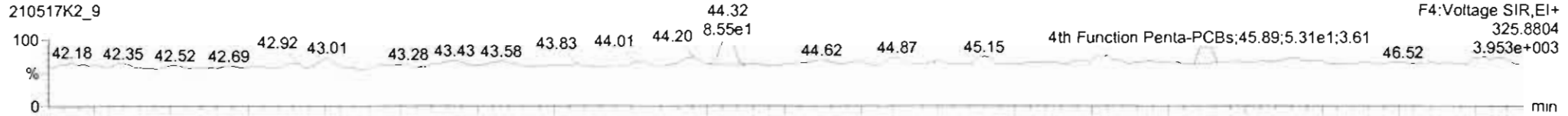
Dataset: Untitled

Last Altered: Tuesday, May 18, 2021 08:58:01 Pacific Daylight Time

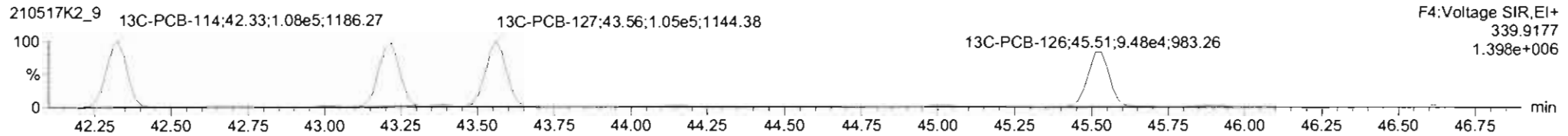
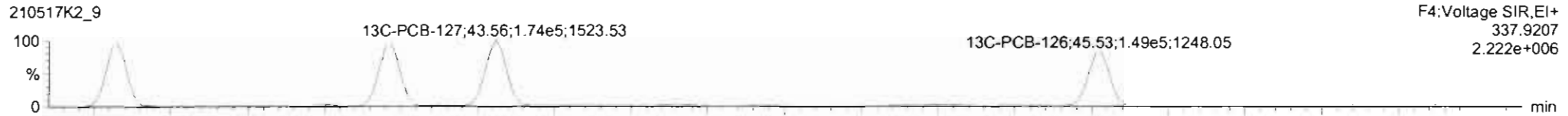
Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

Name: 210517K2\_9, Date: 17-May-2021, Time: 22:51:50, ID: B1E0116-BLK1 Method Blank 10, Description: Method Blank

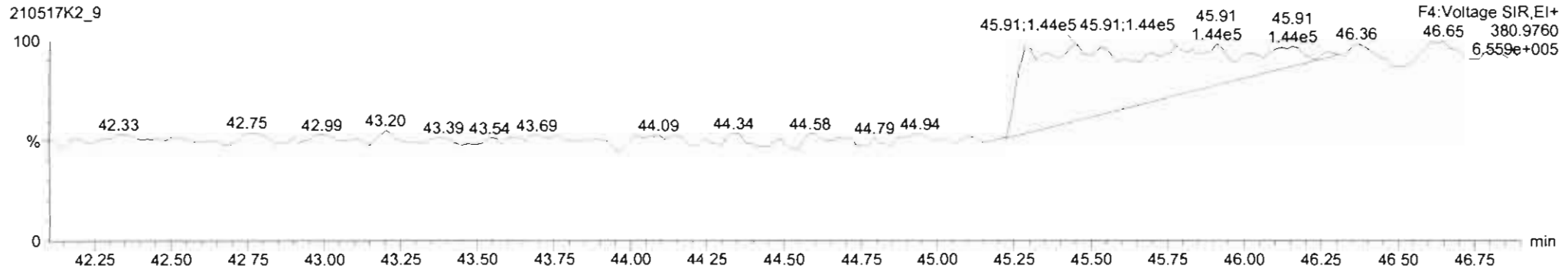
**PCB-114**



**13C-PCB-114**



**PFK4a**





Dataset: Untitled

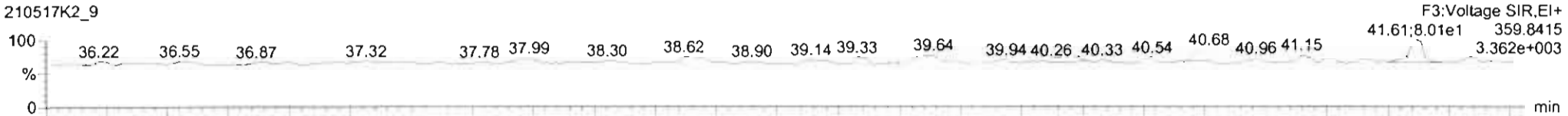
Last Altered: Tuesday, May 18, 2021 08:58:01 Pacific Daylight Time

Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

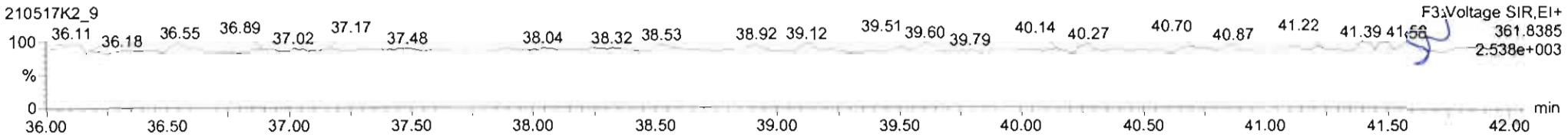
Name: 210517K2\_9, Date: 17-May-2021, Time: 22:51:50, ID: B1E0116-BLK1 Method Blank 10, Description: Method Blank

**PCB-155**

210517K2\_9



210517K2\_9

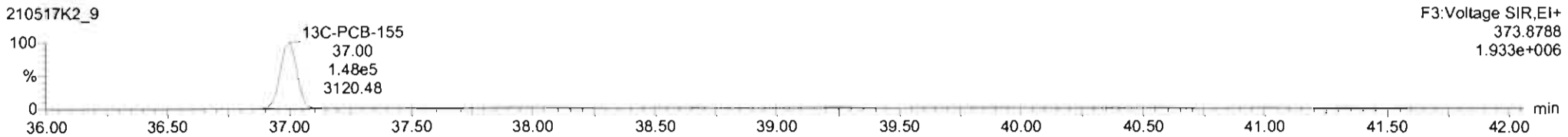


**13C-PCB-155**

210517K2\_9

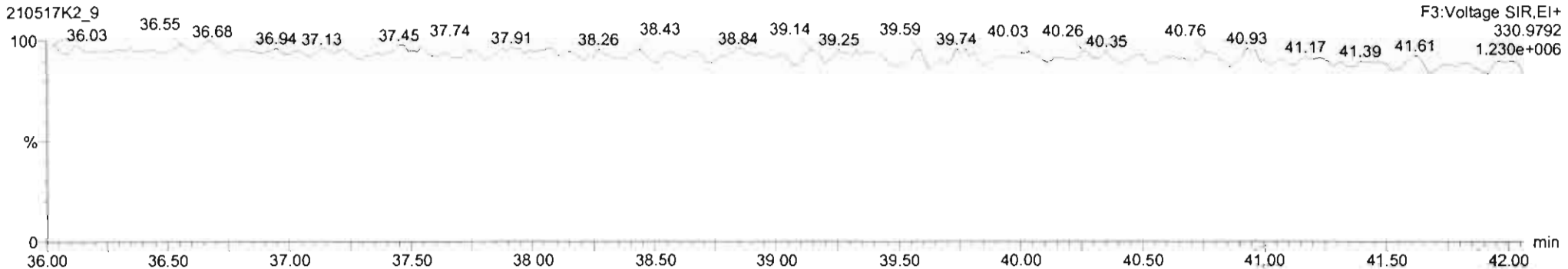


210517K2\_9



**PFK3c**

210517K2\_9



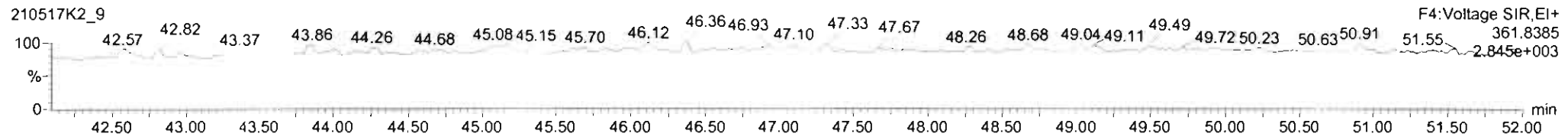
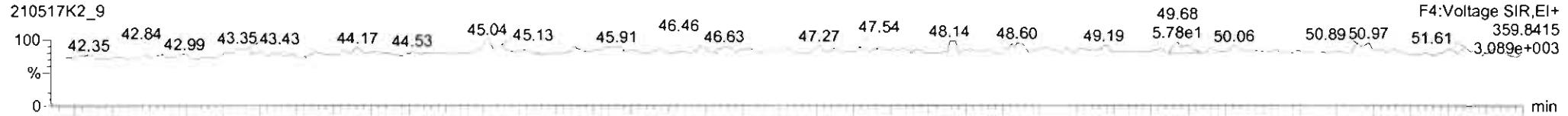
Dataset: Untitled

Last Altered: Tuesday, May 18, 2021 08:58:01 Pacific Daylight Time

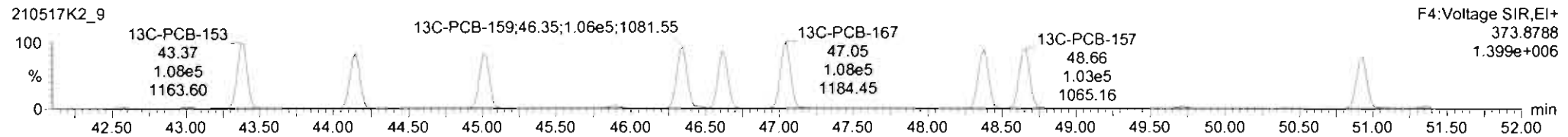
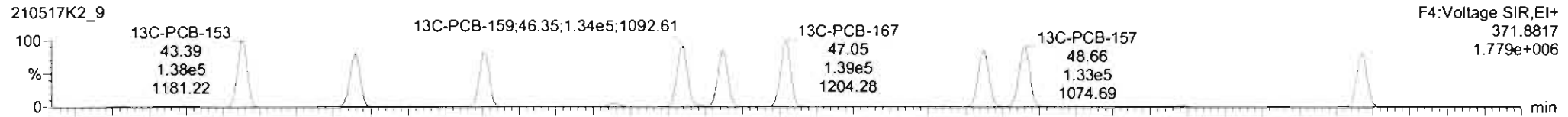
Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

Name: 210517K2\_9, Date: 17-May-2021, Time: 22:51:50, ID: B1E0116-BLK1 Method Blank 10, Description: Method Blank

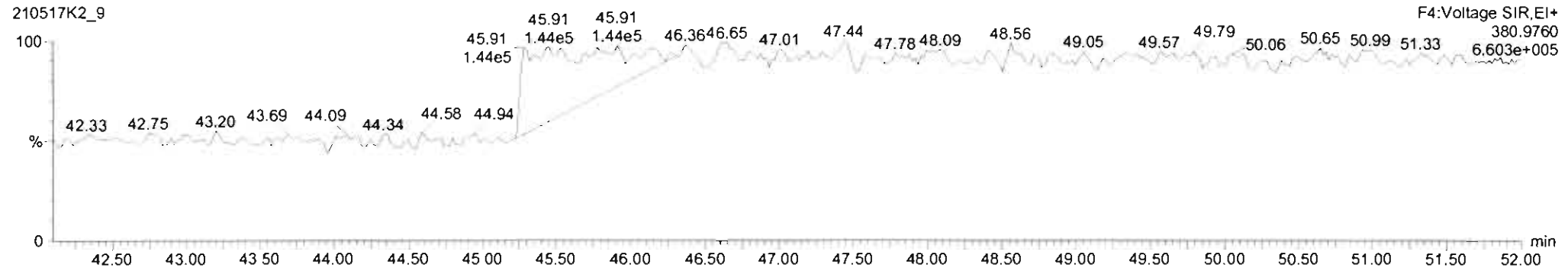
**PCB-134/143**



**13C-PCB-153**



**PFK4b**



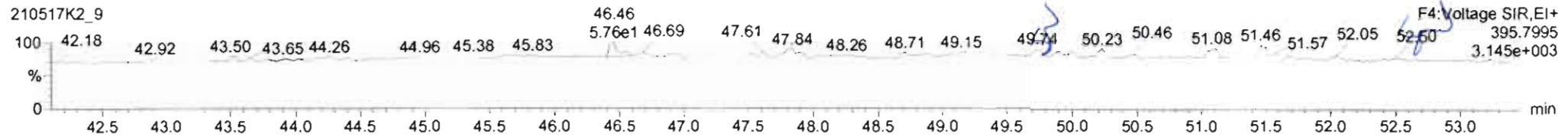
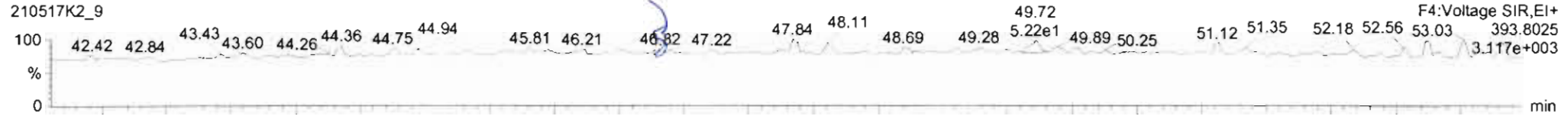
Dataset: Untitled

Last Altered: Tuesday, May 18, 2021 08:58:01 Pacific Daylight Time

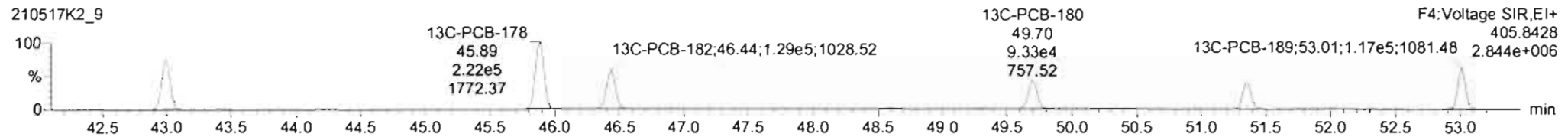
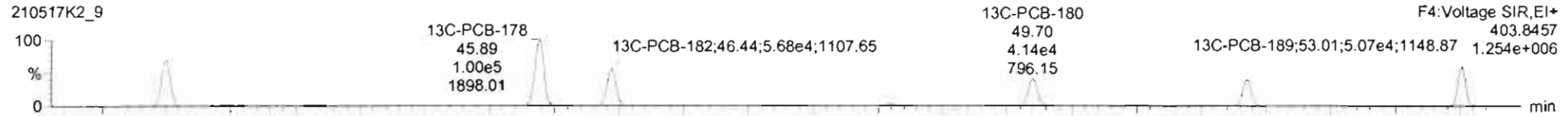
Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

Name: 210517K2\_9, Date: 17-May-2021, Time: 22:51:50, ID: B1E0116-BLK1 Method Blank 10, Description: Method Blank

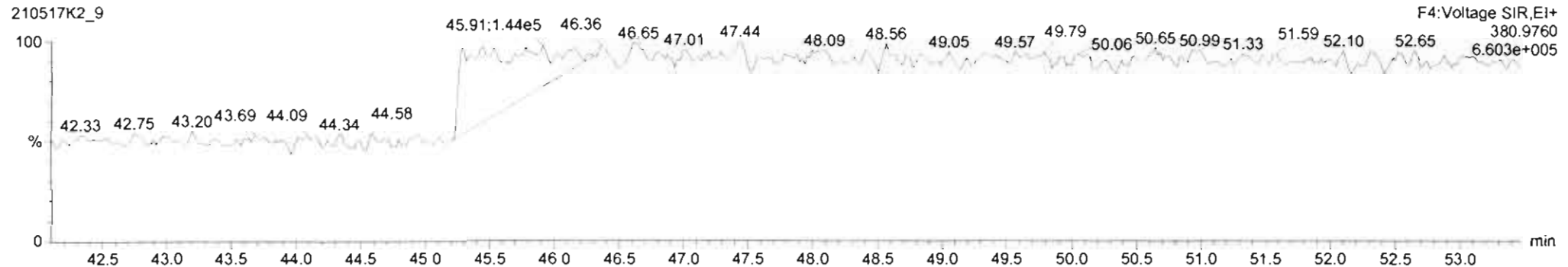
**PCB-188**



**13C-PCB-188**



**PFK4c**



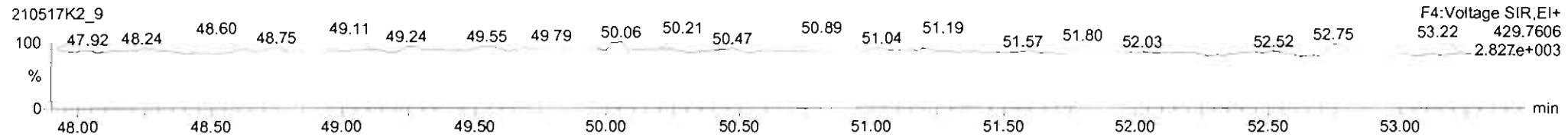
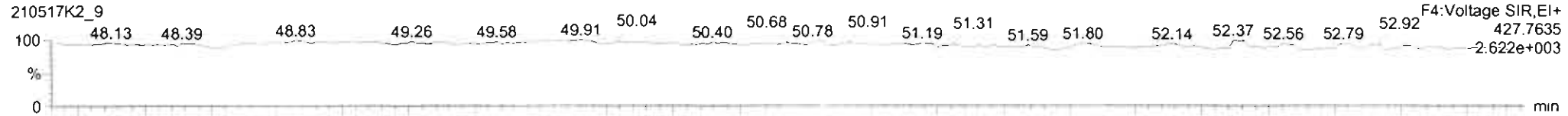
Dataset: Untitled

Last Altered: Tuesday, May 18, 2021 08:58:01 Pacific Daylight Time

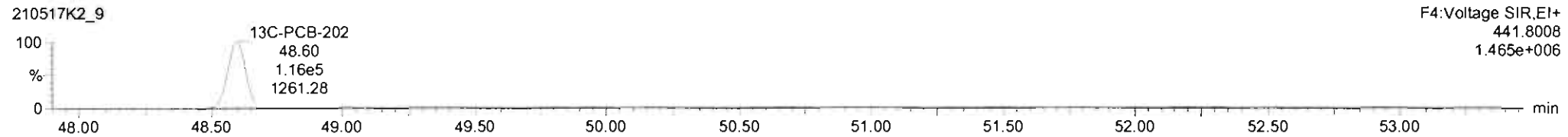
Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

Name: 210517K2\_9, Date: 17-May-2021, Time: 22:51:50, ID: B1E0116-BLK1 Method Blank 10, Description: Method Blank

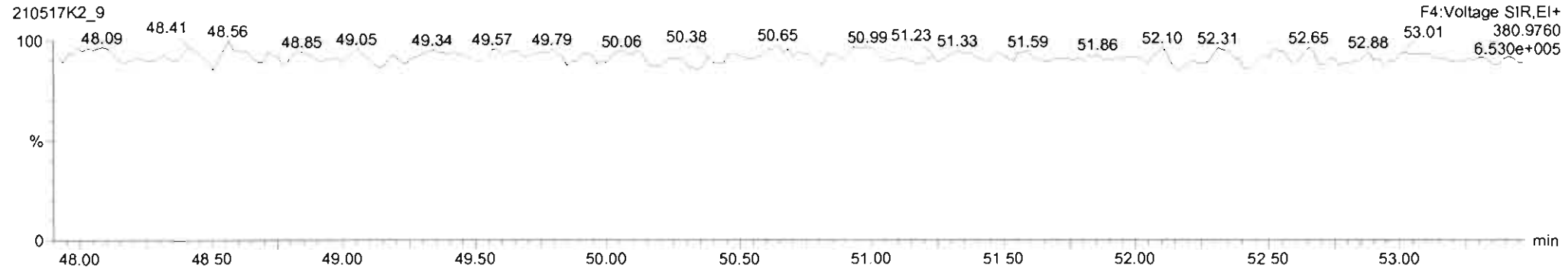
**PCB-202**



**13C-PCB-202**



**PFK4d**

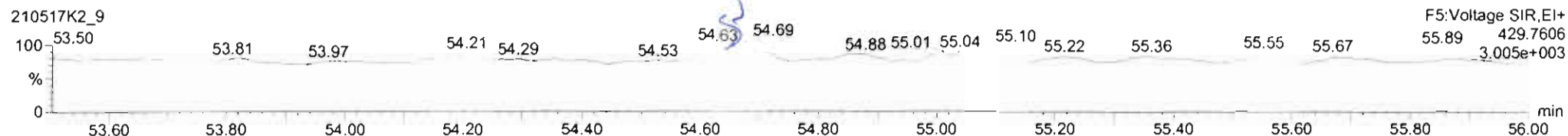
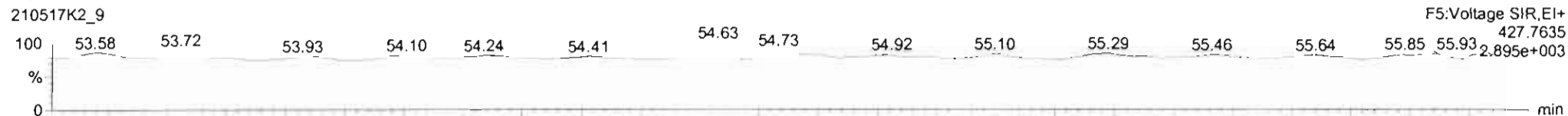


Dataset: Untitled

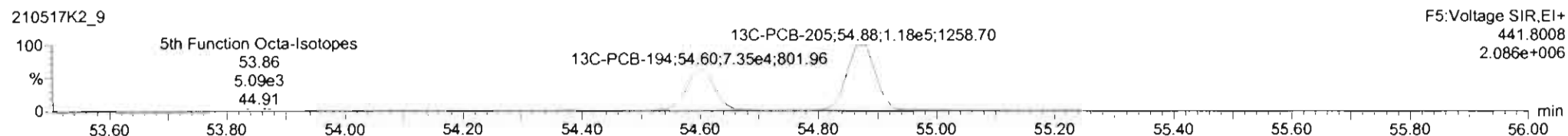
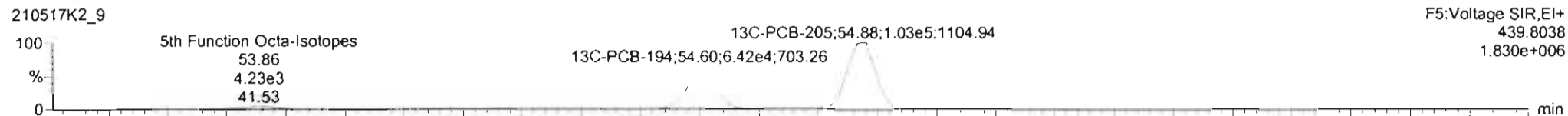
Last Altered: Tuesday, May 18, 2021 08:58:01 Pacific Daylight Time  
Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

Name: 210517K2\_9, Date: 17-May-2021, Time: 22:51:50, ID: B1E0116-BLK1 Method Blank 10, Description: Method Blank

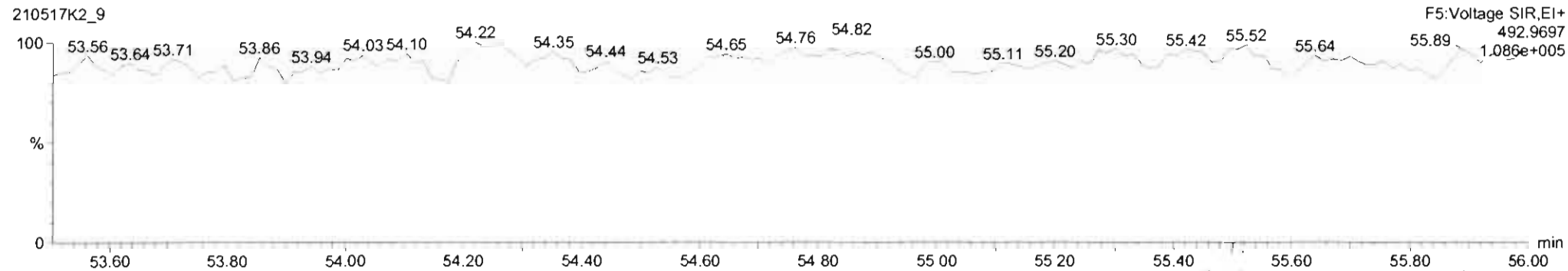
**PCB-195**



**13C-PCB-194**

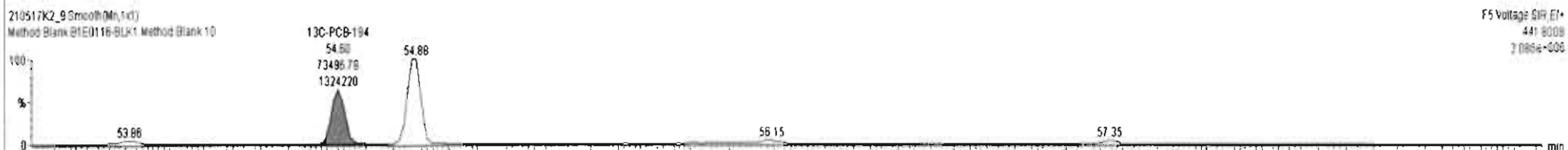
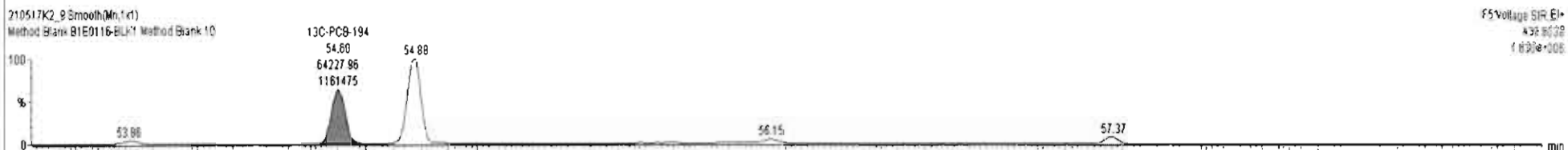
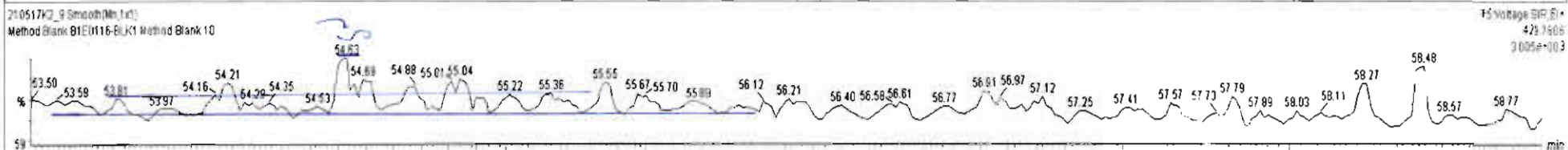
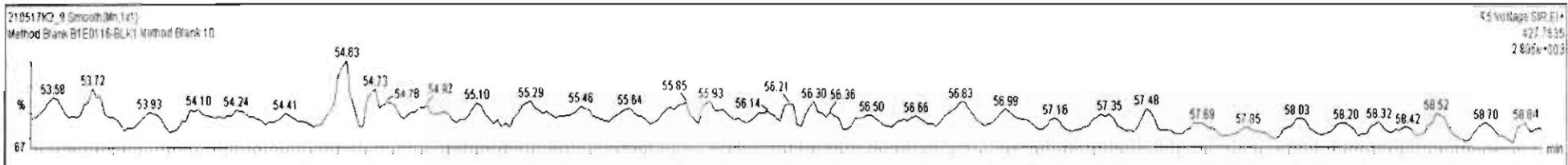


**PFK5a**



#	Name	Resp	RA	n/y	RRT	wt/Avl	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Res.	DL	EMPC
233	233 Total Hestia-PCBs				1.2543	10.000	0.00		0.000		NO			0.94	
234	234 4th Function Octa-PCBs				0.0925	10.000	0.00		0.000		NO			1.56	
235	235 5th Function Octa-PCBs				1.0957	10.000	0.00		0.000		NO			0.825	
236	236 Total Nona-PCBs				0.8871	10.000	0.00		0.000		NO			0.517	
237	237 Deca-CB				0.0627	10.000	0.00		0.000		NO			0.141	
238	238 Total PCBs														
239	239 Total Mono-Isotopes														
240	240 Total Di-Isotopes														

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1										

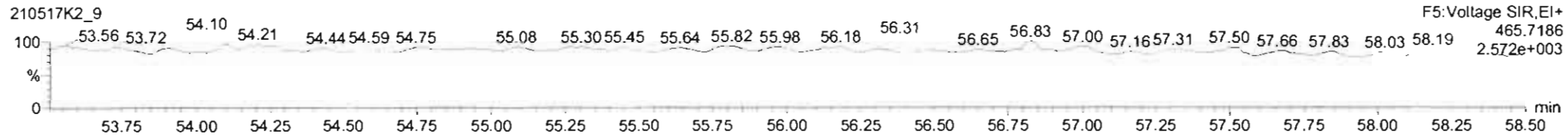
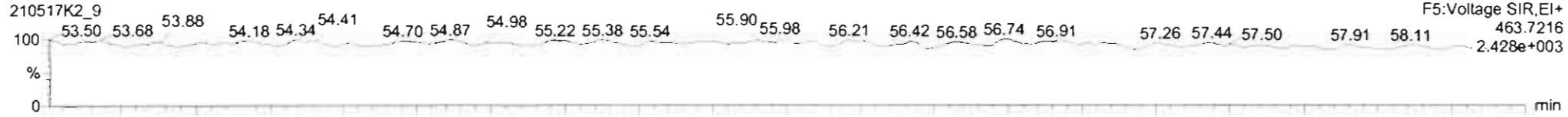


Dataset: Untitled

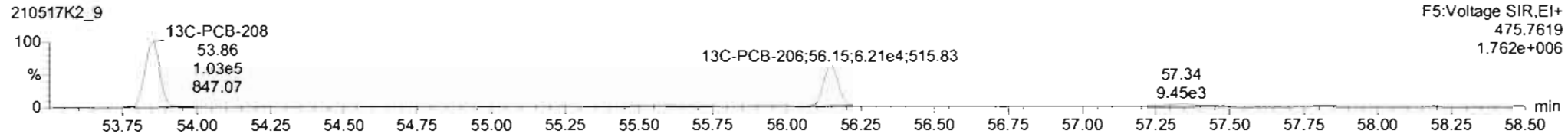
Last Altered: Tuesday, May 18, 2021 08:58:01 Pacific Daylight Time  
Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

Name: 210517K2\_9, Date: 17-May-2021, Time: 22:51:50, ID: B1E0116-BLK1 Method Blank 10, Description: Method Blank

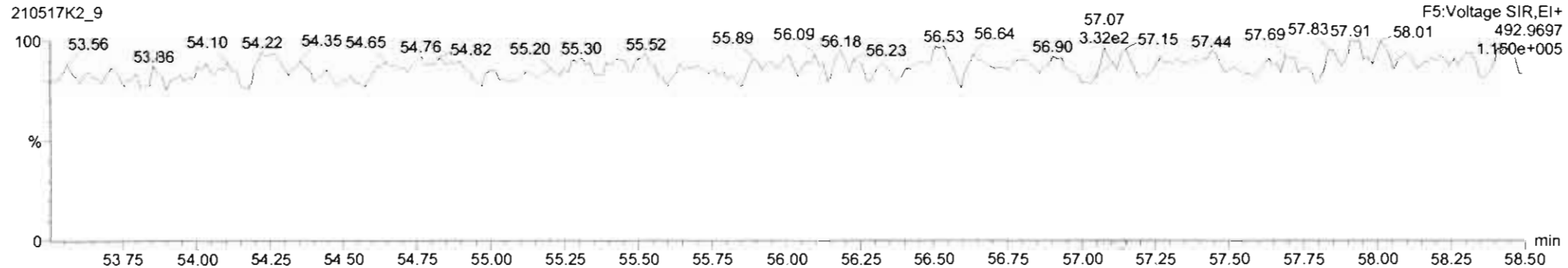
**PCB-208**



**13C-PCB-208**



**PFK5**





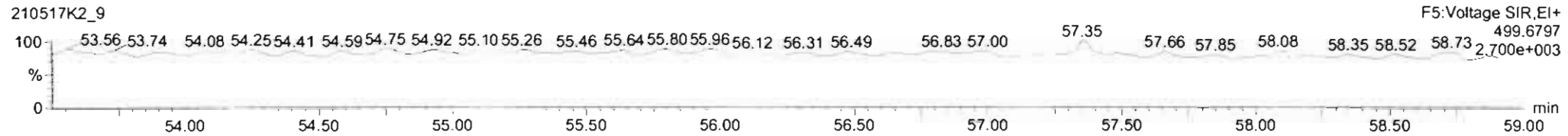
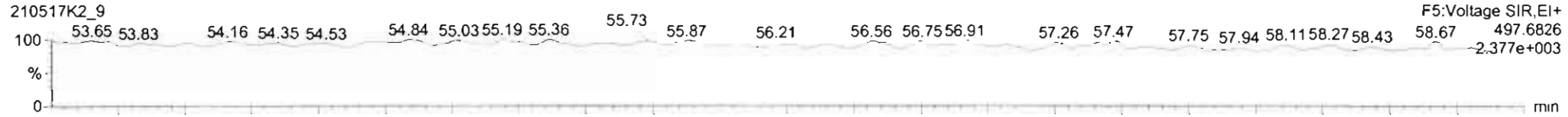
Dataset: Untitled

Last Altered: Tuesday, May 18, 2021 08:58:01 Pacific Daylight Time

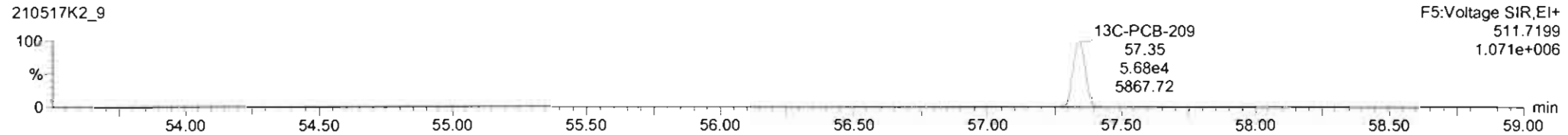
Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

Name: 210517K2\_9, Date: 17-May-2021, Time: 22:51:50, ID: B1E0116-BLK1 Method Blank 10, Description: Method Blank

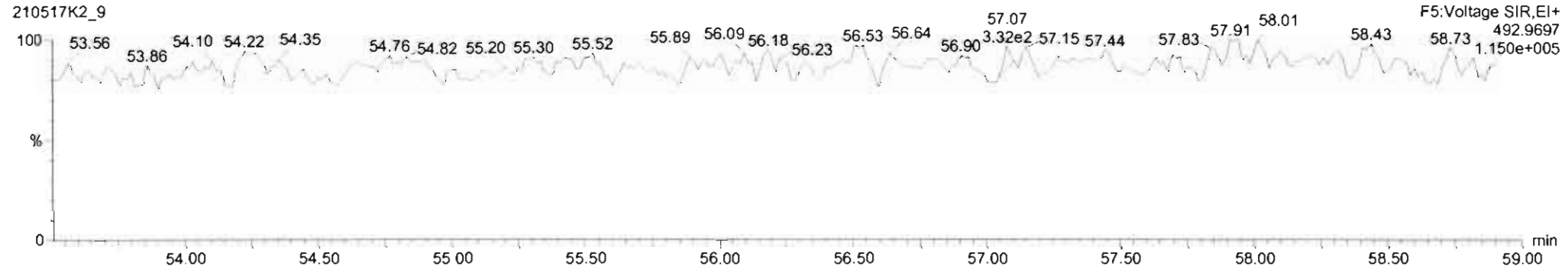
**PCB-209**



**13C-PCB-209**



**PFK5b**





Dataset: U:\VG11.PRO\Results\210517K2\210517K2-5.qld

Last Altered: Friday, May 21, 2021 12:49:07 PM Pacific Daylight Time

Printed: Friday, May 21, 2021 12:51:37 PM Pacific Daylight Time

*Handwritten:* H.S. 210517K2 CT 05/24/2021

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_5-17-21.mdb 17 May 2021 16:25:28

Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 18:49:42

Name: 210517K2\_5, Date: 17-May-2021, Time: 18:48:31, ID: B1E0116-BS1 OPR 10, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	2.47e5	3.11	NO	0.986	10.000	15.58	15.59	1.001	1.001	NO	508.3		0.156	508.3
2	2 PCB-2	2.65e5	3.07	NO	1.02	10.000	17.99	17.99	0.988	0.988	NO	519.0		0.153	519.0
3	3 PCB-3	2.58e5	3.07	NO	1.00	10.000	18.22	18.23	1.001	1.001	NO	516.4		0.158	516.4
4	4 PCB-4/10	3.90e5	1.61	NO	1.21	10.000	19.64	19.64	1.004	1.004	NO	994.0		1.18	994.0
5	5 PCB-7/9	4.94e5	1.58	NO	0.939	10.000	21.44	21.42	1.003	1.002	NO	979.9		0.950	979.9
6	6 PCB-6	2.71e5	1.57	NO	0.996	10.000	22.09	22.08	1.033	1.033	NO	506.1		0.895	506.1
7	7 PCB-5/8	5.31e5	1.57	NO	0.976	10.000	22.50	22.50	1.052	1.052	NO	1014		0.914	1014
8	8 PCB-14	2.70e5	1.59	NO	1.02	10.000	23.61	23.62	0.951	0.952	NO	477.2		0.880	477.2
9	9 PCB-11	2.97e5	1.60	NO	1.12	10.000	24.84	24.85	1.001	1.001	NO	481.0		0.808	481.0
10	10 PCB-12/13	5.55e5	1.58	NO	1.02	10.000	25.27	25.22	1.018	1.016	NO	983.5		0.885	983.5
11	11 PCB-15	2.85e5	1.60	NO	1.02	10.000	25.55	25.56	1.030	1.030	NO	506.1		0.886	506.1
12	12 PCB-19	1.68e5	1.03	NO	0.972	10.000	23.81	23.81	1.001	1.001	NO	490.4		0.494	490.4
13	13 PCB-30	2.74e5	1.01	NO	1.54	10.000	24.72	24.72	1.039	1.039	NO	504.0		0.312	504.0
14	14 PCB-18	1.84e5	1.01	NO	0.719	10.000	25.50	25.49	0.952	0.952	NO	503.9		0.483	503.9
15	15 PCB-17	1.71e5	1.01	NO	0.672	10.000	25.66	25.66	0.958	0.958	NO	502.6		0.518	502.6
16	16 PCB-24/27	4.86e5	1.01	NO	0.932	10.000	26.24	26.25	0.980	0.980	NO	1028		0.373	1028
17	17 PCB-16/32	4.20e5	1.02	NO	0.824	10.000	26.80	26.80	1.001	1.001	NO	1004		0.422	1004
18	18 PCB-34	2.17e5	1.03	NO	0.878	10.000	27.59	27.60	0.959	0.959	NO	524.9		0.833	524.9
19	19 PCB-23	2.43e5	1.06	NO	0.892	10.000	27.69	27.69	0.962	0.963	NO	578.3		0.820	578.3
20	20 PCB-29	2.24e5	1.07	NO	0.861	10.000	27.96	27.96	0.972	0.972	NO	552.6		0.849	552.6
21	21 PCB-26	2.36e5	1.06	NO	0.915	10.000	28.16	28.16	0.979	0.979	NO	549.5		0.799	549.5
22	22 PCB-25	2.37e5	1.09	NO	0.915	10.000	28.32	28.33	0.984	0.984	NO	550.9		0.799	550.9
23	23 PCB-31	2.79e5	1.03	NO	1.03	10.000	28.70	28.70	0.998	0.997	NO	575.2		0.710	575.2
24	24 PCB-28	2.48e5	1.08	NO	1.01	10.000	28.79	28.79	1.001	1.001	NO	520.2		0.721	520.2
25	25 PCB-20/21/33	7.16e5	1.03	NO	0.913	10.000	29.43	29.43	1.023	1.023	NO	1668		0.801	1668
26	26 PCB-22	2.48e5	1.04	NO	0.948	10.000	29.89	29.89	1.039	1.039	NO	556.4		0.771	556.4
27	27 PCB-36	2.54e5	1.05	NO	1.07	10.000	30.52	30.52	0.931	0.931	NO	527.0		0.756	527.0
28	28 PCB-39	2.37e5	1.06	NO	1.00	10.000	31.01	31.01	0.946	0.946	NO	523.7		0.605	523.7
29	29 PCB-38	2.51e5	1.09	NO	1.05	10.000	31.80	31.81	0.970	0.970	NO	529.1		0.769	529.1
30	30 PCB-35	2.56e5	1.07	NO	1.05	10.000	32.35	32.35	0.987	0.987	NO	542.7		0.772	542.7
31	31 PCB-37	2.49e5	1.06	NO	1.03	10.000	32.79	32.79	1.001	1.001	NO	537.2		0.786	537.2
32	32 PCB-54	2.12e5	0.78	NO	0.974	10.000	27.64	27.66	1.001	1.001	NO	530.9		0.604	530.9

Dataset: U:\VG11.PRO\Results\210517K2\210517K2-5.qld

Last Altered: Friday, May 21, 2021 12:49:07 PM Pacific Daylight Time

Printed: Friday, May 21, 2021 12:51:37 PM Pacific Daylight Time

Name: 210517K2\_5, Date: 17-May-2021, Time: 18:48:31, ID: B1E0116-BS1 OPR 10, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50	1.70e5	0.74	NO	0.803	10.000	28.86	28.85	1.045	1.044	NO	516.1		0.733	516.1
34	34 PCB-53	1.57e5	0.75	NO	0.939	10.000	29.52	29.52	0.944	0.944	NO	507.4		0.762	507.4
35	35 PCB-51	1.69e5	0.76	NO	1.00	10.000	29.87	29.87	0.955	0.955	NO	512.8		0.716	512.8
36	36 PCB-45	1.34e5	0.75	NO	0.802	10.000	30.32	30.32	0.970	0.970	NO	507.2		0.892	507.2
37	37 PCB-46	1.27e5	0.78	NO	0.770	10.000	30.82	30.82	0.986	0.986	NO	498.4		0.929	498.4
38	38 PCB-52/69	3.75e5	0.75	NO	1.08	10.000	31.31	31.31	1.001	1.001	NO	1050		0.661	1050
39	39 PCB-73	2.19e5	0.77	NO	1.31	10.000	31.44	31.43	1.005	1.005	NO	509.5		0.548	509.5
40	40 PCB-43/49	3.18e5	0.77	NO	0.925	10.000	31.59	31.60	1.010	1.011	NO	1043		0.774	1043
41	41 PCB-47	1.59e5	0.78	NO	0.863	10.000	31.81	31.81	1.001	1.001	NO	531.9		0.789	531.9
42	42 PCB-48/75	3.63e5	0.77	NO	1.04	10.000	31.94	31.92	1.005	1.004	NO	1012		0.656	1012
43	43 PCB-65	2.02e5	0.77	NO	1.16	10.000	32.20	32.20	1.013	1.013	NO	503.3		0.587	503.3
44	44 PCB-62	1.94e5	0.77	NO	1.04	10.000	32.31	32.31	1.016	1.016	NO	539.3		0.656	539.3
45	45 PCB-44	1.37e5	0.78	NO	0.757	10.000	32.63	32.63	1.026	1.026	NO	523.5		0.899	523.5
46	46 PCB-42/59	3.48e5	0.76	NO	0.975	10.000	32.87	32.87	1.034	1.034	NO	1033		0.699	1033
47	47 PCB-41/64/71/72	7.87e5	0.76	NO	1.12	10.000	33.46	33.46	1.053	1.053	NO	2038		0.610	2038
48	48 PCB-68	2.10e5	0.74	NO	1.19	10.000	33.75	33.74	1.062	1.061	NO	511.3		0.573	511.3
49	49 PCB-40	1.01e5	0.77	NO	0.572	10.000	33.98	33.95	1.069	1.068	NO	509.7		1.19	509.7
50	50 PCB-57	2.21e5	0.75	NO	1.08	10.000	34.34	34.32	0.970	0.969	NO	503.5		0.552	503.5
51	51 PCB-67	2.13e5	0.75	NO	1.02	10.000	34.65	34.64	0.978	0.978	NO	514.5		0.585	514.5
52	52 PCB-58	2.22e5	0.78	NO	1.08	10.000	34.76	34.77	0.982	0.982	NO	503.8		0.550	503.8
53	53 PCB-63	2.03e5	0.76	NO	0.971	10.000	34.93	34.93	0.986	0.986	NO	514.2		0.613	514.2
54	54 PCB-74	2.18e5	0.76	NO	1.09	10.000	35.22	35.21	0.994	0.994	NO	493.0		0.547	493.0
55	55 PCB-61/70	4.06e5	0.76	NO	0.978	10.000	35.44	35.36	1.000	0.998	NO	1022		0.608	1022
56	56 PCB-76/66	4.46e5	0.77	NO	1.07	10.000	35.64	35.60	1.006	1.005	NO	1023		0.555	1023
57	57 PCB-80	2.33e5	0.77	NO	1.08	10.000	35.87	35.86	1.001	1.001	NO	523.2		0.550	523.2
58	58 PCB-55	2.33e5	0.76	NO	1.06	10.000	36.20	36.20	1.010	1.010	NO	528.1		0.556	528.1
59	59 PCB-56/60	3.91e5	0.77	NO	0.946	10.000	36.69	36.70	1.023	1.024	NO	1000		0.626	1000
60	60 PCB-79	2.21e5	0.76	NO	1.06	10.000	37.82	37.82	1.055	1.055	NO	503.5		0.559	503.5
61	61 PCB-78	2.11e5	0.77	NO	1.01	10.000	38.54	38.53	0.987	0.986	NO	544.8		0.645	544.8
62	62 PCB-81	1.92e5	0.77	NO	0.941	10.000	39.08	39.08	1.000	1.000	NO	531.7		0.689	531.7
63	63 PCB-77	2.11e5	0.76	NO	1.03	10.000	39.70	39.70	1.000	1.000	NO	546.8		0.662	546.8
64	64 PCB-104	1.86e5	1.53	NO	0.982	10.000	32.48	32.48	1.001	1.001	NO	501.5		0.488	501.5
65	65 PCB-96	1.87e5	1.58	NO	0.982	10.000	33.78	33.78	1.041	1.041	NO	504.9		0.488	504.9
66	66 PCB-103	1.45e5	1.56	NO	0.770	10.000	34.36	34.34	1.059	1.058	NO	497.8		0.623	497.8
67	67 PCB-100	1.46e5	1.54	NO	0.805	10.000	34.71	34.71	1.069	1.069	NO	481.7		0.595	481.7
68	68 PCB-94	1.19e5	1.49	NO	0.831	10.000	35.19	35.19	0.985	0.985	NO	518.2		0.804	518.2

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	4.36e5	1.56	NO	1.07	10.000	35.68	35.68	0.999	0.998	NO	1478		0.623	1478
70	70 PCB-93	1.26e5	1.61	NO	0.761	10.000	35.81	35.83	1.002	1.003	NO	598.6		0.877	598.6
71	71 PCB-88/91	2.50e5	1.57	NO	0.910	10.000	36.16	36.16	1.012	1.012	NO	997.9		0.733	997.9
72	72 PCB-121	2.13e5	1.56	NO	1.46	10.000	36.27	36.26	1.015	1.015	NO	528.3		0.456	528.3
73	73 PCB-84/92	2.46e5	1.56	NO	0.826	10.000	37.09	37.09	0.990	0.990	NO	1029		0.774	1029
74	74 PCB-89	1.31e5	1.60	NO	0.885	10.000	37.27	37.30	0.995	0.996	NO	512.7		0.722	512.7
75	75 PCB-90/101	2.64e5	1.59	NO	0.905	10.000	37.48	37.48	1.000	1.000	NO	1009		0.706	1009
76	76 PCB-113	1.70e5	1.55	NO	1.26	10.000	37.73	37.74	1.007	1.007	NO	467.8		0.508	467.8
77	77 PCB-99	1.59e5	1.57	NO	0.993	10.000	37.82	37.84	1.010	1.010	NO	554.3		0.643	554.3
78	78 PCB-119	1.76e5	1.60	NO	1.53	10.000	38.32	38.30	0.987	0.987	NO	490.8		0.513	490.8
79	79 PCB-108/112	3.03e5	1.52	NO	1.25	10.000	38.48	38.47	0.991	0.991	NO	1038		0.630	1038
80	80 PCB-83	1.81e5	1.61	NO	1.56	10.000	38.64	38.64	0.995	0.995	NO	495.4		0.504	495.4
81	81 PCB-97	1.30e5	1.58	NO	1.12	10.000	38.84	38.84	1.000	1.000	NO	495.2		0.699	495.2
82	82 PCB-86	1.10e5	1.56	NO	1.06	10.000	38.99	38.99	1.004	1.004	NO	441.4		0.742	441.4
83	83 PCB-87/117/125	4.93e5	1.57	NO	1.34	10.000	39.13	39.12	1.008	1.008	NO	1571		0.586	1571
84	84 PCB-111/115	3.75e5	1.57	NO	1.62	10.000	39.29	39.29	1.012	1.012	NO	989.0		0.486	989.0
85	85 PCB-85/116	2.92e5	1.55	NO	1.23	10.000	39.42	39.40	1.015	1.015	NO	1010		0.637	1010
86	86 PCB-120	1.95e5	1.58	NO	1.79	10.000	39.66	39.66	1.022	1.022	NO	465.0		0.438	465.0
87	87 PCB-110	1.84e5	1.56	NO	1.50	10.000	39.81	39.81	1.025	1.025	NO	522.1		0.524	522.1
88	88 PCB-82	1.07e5	1.53	NO	0.638	10.000	40.45	40.46	0.975	0.976	NO	512.6		0.903	512.6
89	89 PCB-124	1.86e5	1.52	NO	1.08	10.000	41.17	41.17	0.993	0.993	NO	529.7		0.534	529.7
90	90 PCB-107/109	3.63e5	1.58	NO	1.11	10.000	41.32	41.30	0.996	0.996	NO	1004		0.519	1004
91	91 PCB-123	1.65e5	1.53	NO	1.00	10.000	41.49	41.48	1.000	1.000	NO	504.7		0.575	504.7
92	92 PCB-106/118	3.49e5	1.57	NO	1.02	10.000	41.69	41.69	1.001	1.001	NO	1022		0.542	1022
93	93 PCB-114	1.69e5	1.59	NO	1.08	10.000	42.35	42.35	1.000	1.000	NO	532.8		0.696	532.8
94	94 PCB-122	1.46e5	1.54	NO	0.930	10.000	42.50	42.48	1.004	1.004	NO	536.6		0.811	536.6
95	95 PCB-105	1.62e5	1.59	NO	1.03	10.000	43.24	43.24	1.000	1.000	NO	543.1		0.731	543.1
96	96 PCB-127	1.69e5	1.62	NO	1.06	10.000	43.58	43.56	1.000	1.000	NO	520.3		0.705	520.3
97	97 PCB-126	1.65e5	1.69	NO	1.15	10.000	45.55	45.55	1.000	1.000	NO	524.8		0.713	524.8
98	98 PCB-155	1.39e5	1.31	NO	0.853	10.000	37.02	37.02	1.000	1.001	NO	513.9		0.291	513.9
99	99 PCB-150	1.46e5	1.24	NO	0.934	10.000	38.33	38.32	1.036	1.036	NO	491.2		0.266	491.2
100	1... PCB-152	1.63e5	1.30	NO	1.02	10.000	38.82	38.82	1.049	1.049	NO	504.5		0.244	504.5
101	1... PCB-145	1.54e5	1.25	NO	0.983	10.000	39.29	39.27	1.062	1.061	NO	494.5		0.252	494.5
102	1... PCB-136	1.31e5	1.30	NO	0.881	10.000	39.62	39.60	1.071	1.070	NO	470.4		0.282	470.4
103	1... PCB-148	1.12e5	1.26	NO	0.666	10.000	39.74	39.72	1.074	1.073	NO	528.3		0.372	528.3
104	1... PCB-154	1.15e5	1.30	NO	0.721	10.000	40.24	40.24	1.088	1.088	NO	504.7		0.344	504.7

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#	Name	Resp	RA	n/y	RRF	w/Vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151	1.03e5	1.27	NO	0.674	10.000	40.89	40.89	1.105	1.105	NO	481.2		0.368	481.2
106	1... PCB-135	1.13e5	1.22	NO	0.723	10.000	41.11	41.11	1.111	1.111	NO	491.6		0.343	491.6
107	1... PCB-144	1.07e5	1.28	NO	0.691	10.000	41.22	41.22	1.114	1.114	NO	487.4		0.359	487.4
108	1... PCB-147	1.02e5	1.28	NO	0.713	10.000	41.37	41.35	1.118	1.118	NO	451.3		0.348	451.3
109	1... PCB-139/149	2.35e5	1.26	NO	0.773	10.000	41.63	41.63	1.125	1.125	NO	959.8		0.321	959.8
110	1... PCB-140	9.97e4	1.29	NO	0.652	10.000	41.84	41.82	1.131	1.130	NO	482.1		0.380	482.1
111	1... PCB-134/143	2.04e5	1.25	NO	0.718	10.000	42.29	42.27	0.975	0.974	NO	1107		1.66	1107
112	1... PCB-131/133	2.13e5	1.25	NO	0.768	10.000	42.59	42.58	0.982	0.981	NO	1078		1.55	1078
113	1... PCB-142	9.34e4	1.28	NO	0.687	10.000	42.75	42.74	0.985	0.985	NO	528.9		1.73	528.9
114	1... PCB-146/165	2.61e5	1.23	NO	0.943	10.000	42.99	42.97	0.991	0.990	NO	1075		1.26	1075
115	1... PCB-132/161	2.57e5	1.22	NO	0.957	10.000	43.24	43.22	0.997	0.996	NO	1046		1.24	1046
116	1... PCB-153	1.38e5	1.25	NO	0.990	10.000	43.43	43.41	1.001	1.000	NO	543.7		1.20	543.7
117	1... PCB-168	1.36e5	1.23	NO	1.03	10.000	43.64	43.64	1.006	1.006	NO	510.6		1.15	510.6
118	1... PCB-141	1.07e5	1.21	NO	0.948	10.000	44.16	44.17	1.000	1.000	NO	516.1		1.48	516.1
119	1... PCB-137	1.06e5	1.27	NO	0.964	10.000	44.56	44.56	1.009	1.009	NO	501.3		1.48	501.3
120	1... PCB-130	9.17e4	1.25	NO	0.816	10.000	44.68	44.68	1.012	1.012	NO	512.4		1.72	512.4
121	1... PCB-138/163/164	4.17e5	1.23	NO	1.15	10.000	45.08	45.06	1.001	1.001	NO	1615		1.20	1615
122	1... PCB-158/160	2.63e5	1.25	NO	1.14	10.000	45.32	45.30	1.007	1.006	NO	1031		1.21	1031
123	1... PCB-129	8.89e4	1.23	NO	0.807	10.000	45.57	45.55	1.012	1.012	NO	492.6		1.71	492.6
124	1... PCB-168	1.41e5	1.25	NO	1.03	10.000	46.03	46.02	0.993	0.993	NO	507.3		1.14	507.3
125	1... PCB-159	1.54e5	1.24	NO	1.10	10.000	46.36	46.36	1.000	1.000	NO	522.3		1.07	522.3
126	1... PCB-128/182	2.41e5	1.22	NO	0.836	10.000	46.66	46.67	1.007	1.007	NO	1068		1.41	1068
127	1... PCB-167	1.40e5	1.28	NO	0.960	10.000	47.06	47.06	1.000	1.000	NO	527.0		1.15	527.0
128	1... PCB-156	1.42e5	1.28	NO	1.06	10.000	48.39	48.39	1.000	1.000	NO	528.9		1.17	528.9
129	1... PCB-157	1.33e5	1.25	NO	0.960	10.000	48.68	48.67	1.000	1.000	NO	523.7		1.24	523.7
130	1... PCB-169	1.34e5	1.27	NO	1.04	10.000	50.95	50.95	1.000	1.000	NO	517.1		1.24	517.1
131	1... PCB-188	1.58e5	1.04	NO	1.15	10.000	43.05	43.03	1.001	1.000	NO	540.1		1.08	540.1
132	1... PCB-184	1.43e5	1.03	NO	1.14	10.000	43.49	43.48	1.011	1.011	NO	499.6		1.09	499.6
133	1... PCB-179	1.51e5	1.03	NO	1.07	10.000	44.30	44.30	1.030	1.030	NO	558.4		1.15	558.4
134	1... PCB-176	1.51e5	1.02	NO	1.11	10.000	44.77	44.77	1.041	1.041	NO	539.0		1.11	539.0
135	1... PCB-186	1.56e5	1.04	NO	1.23	10.000	45.43	45.40	1.056	1.055	NO	505.6		1.01	505.6
136	1... PCB-178	1.08e5	0.99	NO	0.830	10.000	45.93	45.91	1.068	1.067	NO	517.1		1.49	517.1
137	1... PCB-175	1.04e5	1.02	NO	0.853	10.000	46.29	46.27	1.076	1.076	NO	487.3		1.45	487.3
138	1... PCB-182/187	2.47e5	1.06	NO	0.942	10.000	46.46	46.46	1.080	1.080	NO	1045		1.32	1045
139	1... PCB-183	1.18e5	1.01	NO	0.910	10.000	46.78	46.78	1.088	1.088	NO	515.3		1.36	515.3
140	1... PCB-185	1.04e5	1.02	NO	1.24	10.000	47.42	47.48	0.954	0.955	NO	523.1		1.51	523.1

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141	1... PCB-174	1.01e5	1.01	NO	1.20	10.000	47.80	47.82	0.962	0.962	NO	526.0		1.57	526.0
142	1... PCB-181	1.09e5	1.03	NO	1.33	10.000	47.90	47.94	0.964	0.965	NO	510.2		1.41	510.2
143	1... PCB-177	9.83e4	1.04	NO	1.14	10.000	48.09	48.11	0.968	0.968	NO	538.0		1.64	538.0
144	1... PCB-171	1.01e5	1.03	NO	1.22	10.000	48.39	48.41	0.974	0.974	NO	517.3		1.54	517.3
145	1... PCB-173	8.67e4	1.11	NO	1.07	10.000	48.82	48.85	0.982	0.983	NO	507.2		1.76	507.2
146	1... PCB-172	1.05e5	1.02	NO	1.26	10.000	49.30	49.30	0.992	0.992	NO	524.0		1.49	524.0
147	1... PCB-192	1.29e5	1.04	NO	1.61	10.000	49.48	49.51	0.996	0.996	NO	500.6		1.16	500.6
148	1... PCB-180	1.09e5	1.05	NO	1.30	10.000	49.72	49.72	1.000	1.000	NO	524.9		1.44	524.9
149	1... PCB-193	1.21e5	1.01	NO	1.47	10.000	49.93	49.93	1.005	1.005	NO	514.2		1.27	514.2
150	1... PCB-191	1.21e5	1.01	NO	1.51	10.000	50.19	50.19	1.010	1.010	NO	500.2		1.25	500.2
151	1... PCB-170	9.00e4	1.05	NO	1.23	10.000	51.39	51.38	1.000	1.000	NO	514.1		1.62	514.1
152	1... PCB-190	1.17e5	1.06	NO	1.61	10.000	51.58	51.57	1.004	1.004	NO	510.8		1.24	510.8
153	1... PCB-189	1.19e5	1.00	NO	1.27	10.000	53.05	53.05	1.000	1.000	NO	517.5		1.14	517.5
154	1... PCB-202	1.29e5	0.86	NO	0.995	10.000	48.64	48.62	1.001	1.000	NO	519.8		0.558	519.8
155	1... PCB-201	1.12e5	0.91	NO	0.904	10.000	49.13	49.11	1.011	1.011	NO	499.2		0.614	499.2
156	1... PCB-204	1.19e5	0.86	NO	0.955	10.000	49.29	49.28	1.014	1.014	NO	502.2		0.581	502.2
157	1... PCB-197	1.21e5	0.92	NO	0.964	10.000	49.61	49.58	1.021	1.020	NO	503.1		0.576	503.1
158	1... PCB-200	1.12e5	0.92	NO	0.911	10.000	50.53	50.53	1.040	1.040	NO	496.3		0.609	496.3
159	1... PCB-198	8.61e4	0.91	NO	0.696	10.000	52.05	52.07	1.071	1.071	NO	497.8		0.798	497.8
160	1... PCB-199	8.53e4	0.89	NO	0.706	10.000	52.18	52.18	1.074	1.074	NO	486.1		0.786	486.1
161	1... PCB-196/203	1.74e5	0.88	NO	0.754	10.000	52.46	52.48	1.079	1.080	NO	928.5		0.735	928.5
162	1... PCB-195	7.40e4	0.91	NO	0.957	10.000	53.75	53.74	0.984	0.984	NO	523.6		1.41	523.6
163	1... PCB-194	8.04e4	0.89	NO	1.06	10.000	54.65	54.65	1.000	1.000	NO	512.8		1.27	512.8
164	1... PCB-205	9.64e4	0.89	NO	1.27	10.000	54.92	54.92	1.005	1.005	NO	514.0		1.06	514.0
165	1... PCB-208	8.65e4	1.33	NO	0.861	10.000	53.89	53.88	1.000	1.000	NO	527.4		1.07	527.4
166	1... PCB-207	8.66e4	1.35	NO	0.849	10.000	54.21	54.21	1.006	1.006	NO	535.2		1.09	535.2
167	1... PCB-206	5.62e4	1.35	NO	0.951	10.000	56.23	56.22	1.000	1.000	NO	501.5		1.69	501.5
168	1... PCB-209	5.40e4	1.18	NO	0.863	10.000	57.41	57.42	1.000	1.000	NO	479.2		0.267	479.2
169	1... 13C-PCB-1	4.93e5	3.26	NO	0.937	10.000	15.57	15.57	0.609	0.609	NO	675.7	67.6	1.12	
170	1... 13C-PCB-3	4.99e5	3.26	NO	0.934	10.000	18.20	18.20	0.712	0.713	NO	686.1	68.6	1.12	
171	1... 13C-PCB-4	3.25e5	1.59	NO	0.599	10.000	19.55	19.56	0.765	0.765	NO	696.3	69.6	0.544	
172	1... 13C-PCB-9	5.37e5	1.57	NO	0.960	10.000	21.38	21.38	0.837	0.837	NO	717.5	71.8	0.340	
173	1... 13C-PCB-11	5.54e5	1.55	NO	0.929	10.000	24.83	24.82	0.972	0.971	NO	764.7	76.5	0.351	
174	1... 13C-PCB-19	3.53e5	1.03	NO	0.506	10.000	23.78	23.78	0.931	0.931	NO	895.1	89.5	5.11	
175	1... 13C-PCB-32	5.07e5	1.05	NO	0.738	10.000	26.77	26.77	1.048	1.048	NO	882.1	88.2	3.50	
176	1... 13C-PCB-28	4.70e5	1.04	NO	1.06	10.000	28.77	28.77	1.003	1.003	NO	693.7	69.4	3.53	

Dataset: U:\VG11.PRO\Results\210517K2\210517K2-5.qld

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Name: 210517K2\_5, Date: 17-May-2021, Time: 18:48:31, ID: B1E0116-BS1 OPR 10, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	4.51e5	1.00	NO	0.979	10.000	32.77	32.78	1.143	1.143	NO	720.7	72.1	3.82	
178	1... 13C-PCB-54	4.10e5	0.78	NO	0.981	10.000	27.62	27.82	0.753	0.753	NO	889.3	86.9	1.30	
179	1... 13C-PCB-52	3.30e5	0.78	NO	0.786	10.000	31.27	31.27	0.852	0.852	NO	872.0	87.2	1.62	
180	1... 13C-PCB-47	3.46e5	0.76	NO	0.833	10.000	31.79	31.79	0.866	0.866	NO	863.9	86.4	1.53	
181	1... 13C-PCB-70	4.07e5	0.79	NO	0.981	10.000	35.42	35.42	0.965	0.965	NO	862.1	88.2	1.30	
182	1... 13C-PCB-80	4.14e5	0.77	NO	1.01	10.000	35.86	35.85	0.977	0.977	NO	848.6	84.9	1.26	
183	1... 13C-PCB-81	3.84e5	0.78	NO	0.995	10.000	39.06	39.06	1.064	1.064	NO	803.3	80.3	1.28	
184	1... 13C-PCB-77	3.74e5	0.79	NO	0.977	10.000	39.68	39.88	1.081	1.081	NO	796.1	79.6	1.31	
185	1... 13C-PCB-104	3.78e5	1.58	NO	1.00	10.000	32.46	32.46	0.827	0.827	NO	953.9	95.4	0.861	
186	1... 13C-PCB-95	2.76e5	1.60	NO	0.779	10.000	35.72	35.73	0.910	0.910	NO	897.7	89.8	1.11	
187	1... 13C-PCB-101	2.89e5	1.57	NO	0.833	10.000	37.46	37.47	0.954	0.954	NO	881.4	88.1	1.04	
188	1... 13C-PCB-97	2.34e5	1.55	NO	0.679	10.000	38.81	38.82	0.988	0.989	NO	875.8	87.6	1.27	
189	1... 13C-PCB-123	3.26e5	1.57	NO	0.970	10.000	41.48	41.47	1.056	1.056	NO	852.1	85.2	0.892	
190	1... 13C-PCB-118	3.34e5	1.57	NO	1.00	10.000	41.65	41.65	1.061	1.081	NO	845.5	84.5	0.864	
191	1... 13C-PCB-114	2.92e5	1.58	NO	1.55	10.000	42.33	42.33	0.908	0.908	NO	817.9	81.8	1.01	
192	1... 13C-PCB-105	2.88e5	1.59	NO	1.59	10.000	43.21	43.22	0.927	0.927	NO	784.6	78.5	0.981	
193	1... 13C-PCB-127	3.07e5	1.62	NO	1.66	10.000	43.57	43.56	0.934	0.934	NO	802.3	80.2	0.942	
194	1... 13C-PCB-126	2.73e5	1.60	NO	1.65	10.000	45.52	45.53	0.976	0.976	NO	719.9	72.0	0.950	
195	1... 13C-PCB-155	3.17e5	1.21	NO	0.819	10.000	37.00	37.00	0.942	0.942	NO	982.0	98.2	1.08	
196	1... 13C-PCB-153	2.57e5	1.22	NO	1.31	10.000	43.39	43.39	0.930	0.931	NO	848.4	84.8	1.52	
197	1... 13C-PCB-141	2.19e5	1.26	NO	1.08	10.000	44.15	44.15	0.947	0.947	NO	875.8	87.6	1.84	
198	1... 13C-PCB-138	2.24e5	1.21	NO	1.15	10.000	45.01	45.02	0.965	0.965	NO	841.2	84.1	1.73	
199	1... 13C-PCB-159	2.69e5	1.25	NO	1.39	10.000	46.36	46.35	0.994	0.994	NO	837.4	83.7	1.43	
200	2... 13C-PCB-167	2.77e5	1.25	NO	1.43	10.000	47.06	47.05	1.009	1.009	NO	842.5	84.3	1.40	
201	2... 13C-PCB-156	2.52e5	1.28	NO	1.34	10.000	48.39	48.37	1.038	1.037	NO	815.8	81.6	1.49	
202	2... 13C-PCB-157	2.65e5	1.25	NO	1.36	10.000	48.68	48.66	1.044	1.043	NO	846.0	84.6	1.47	
203	2... 13C-PCB-169	2.49e5	1.23	NO	1.33	10.000	50.95	50.93	1.093	1.092	NO	810.4	81.0	1.49	
204	2... 13C-PCB-186	2.51e5	0.45	NO	1.39	10.000	42.99	43.01	0.926	0.926	NO	866.3	86.6	1.29	
205	2... 13C-PCB-180	1.80e5	0.43	NO	0.907	10.000	49.72	49.70	1.071	1.070	NO	848.9	84.7	1.97	
206	2... 13C-PCB-170	1.42e5	0.45	NO	0.823	10.000	51.36	51.37	1.106	1.106	NO	828.4	82.8	2.17	
207	2... 13C-PCB-189	1.81e5	0.45	NO	1.08	10.000	53.01	53.03	1.141	1.142	NO	806.5	80.7	1.66	
208	2... 13C-PCB-202	2.49e5	0.88	NO	1.23	10.000	48.60	48.60	1.046	1.046	NO	968.0	96.8	1.03	
209	2... 13C-PCB-194	1.48e5	0.92	NO	0.710	10.000	54.63	54.63	0.995	0.995	NO	897.2	89.7	2.78	
210	2... 13C-PCB-208	1.91e5	0.82	NO	0.865	10.000	53.83	53.87	0.980	0.981	NO	949.3	94.9	2.81	
211	2... 13C-PCB-206	1.18e5	0.75	NO	0.623	10.000	56.21	56.21	1.024	1.024	NO	815.2	61.5	3.90	
212	2... 13C-PCB-209	1.31e5	1.14	NO	0.725	10.000	57.41	57.41	1.046	1.046	NO	776.8	77.7	0.428	

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Name: 210517K2\_5, Date: 17-May-2021, Time: 18:48:31, ID: B1E0116-BS1 OPR 10, Description: OPR

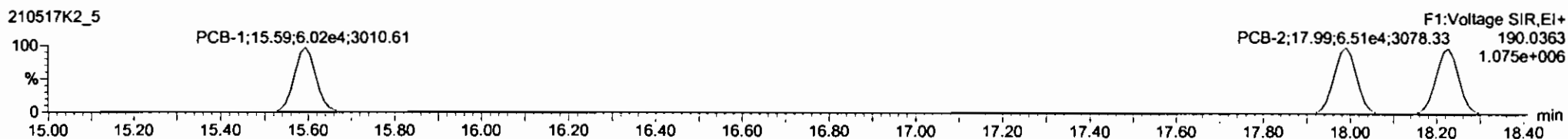
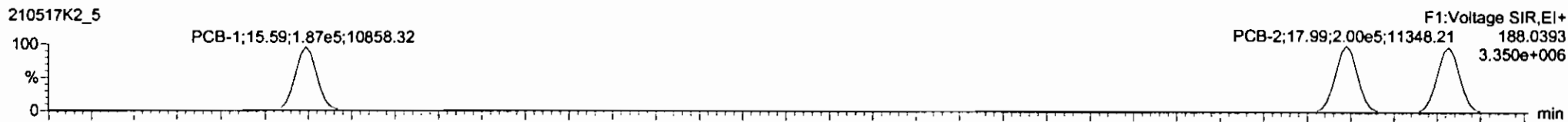
	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	7.79e5	1.55	NO	1.00	10.000	25.53	25.55	1.000	0.000	NO	1000	100	0.326	
214	2... 13C-PCB-31	6.40e5	1.04	NO	1.00	10.000	28.67	28.68	1.000	0.000	NO	1000	100	3.74	
215	2... 13C-PCB-60	4.81e5	0.78	NO	1.00	10.000	36.69	36.70	1.000	0.000	NO	1000	100	1.28	
216	2... 13C-PCB-111	3.94e5	1.64	NO	1.00	10.000	39.26	39.27	1.000	0.000	NO	1000	100	0.865	
217	2... 13C-PCB-128	2.31e5	1.28	NO	1.00	10.000	46.63	46.63	1.000	0.000	NO	1000	100	1.99	
218	2... 13C-PCB-182	2.09e5	0.47	NO	1.00	10.000	46.44	46.44	0.000	0.000	NO	1000	100	1.79	
219	2... 13C-PCB-205	2.32e5	0.93	NO	1.00	10.000	54.93	54.91	1.000	0.000	NO	1000	100	1.97	
220	2... 13C-PCB-79	4.02e5	0.77	NO	1.04	10.000	37.81	37.80	1.030	1.030	NO	806.5	80.6	1.23	
221	2... 13C-PCB-178	1.62e5	0.45	NO	0.774	10.000	45.88	45.89	0.988	0.988	NO	905.5	90.6	2.01	
222	2... 13C-PCB-79	4.02e5	0.77	NO	1.04	10.000	37.79	37.80	0.967	0.968	NO	1004	100	1.60	
223	2... 13C-PCB-178	1.62e5	0.45	NO	1.02	10.000	45.85	45.89	0.923	0.923	NO	991.3	99.1	2.22	

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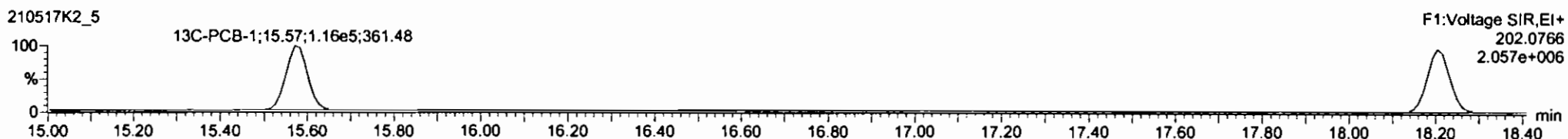
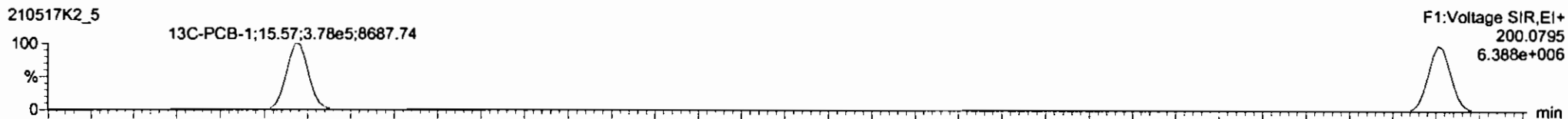
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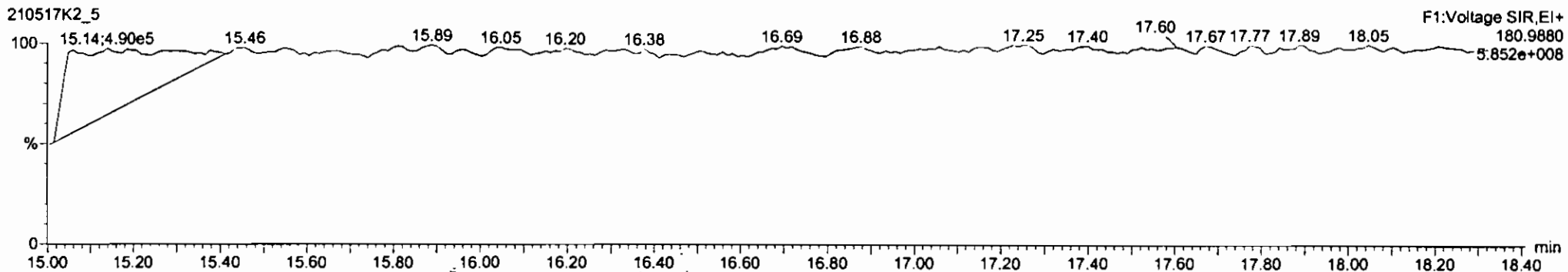
**PCB-1**



**13C-PCB-1**



**PFK1**





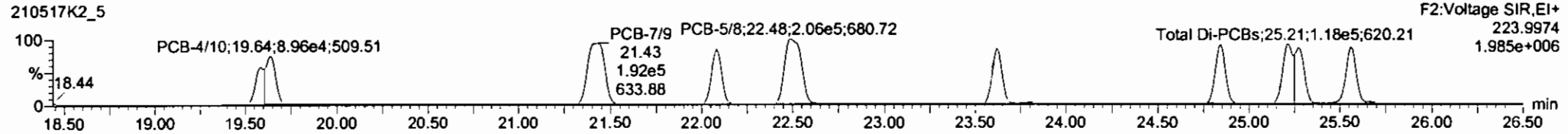
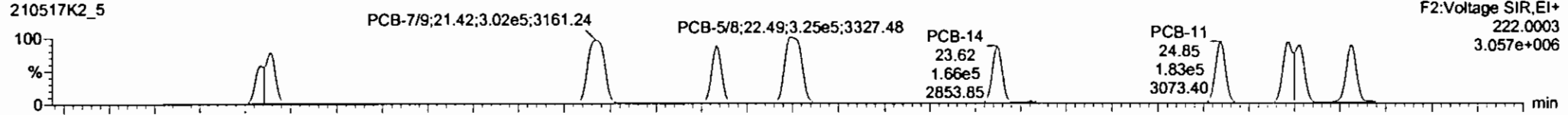
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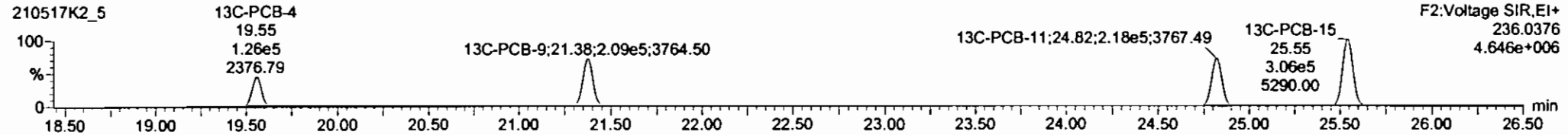
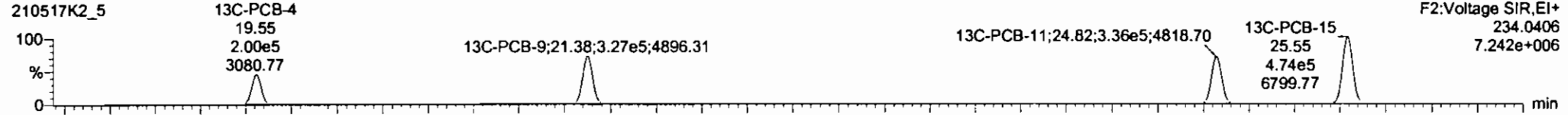
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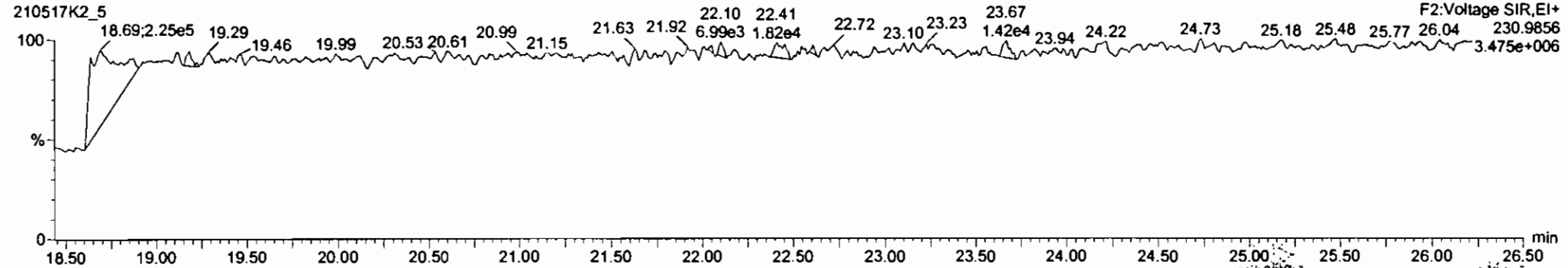
**PCB-4/10**



**13C-PCB-4**

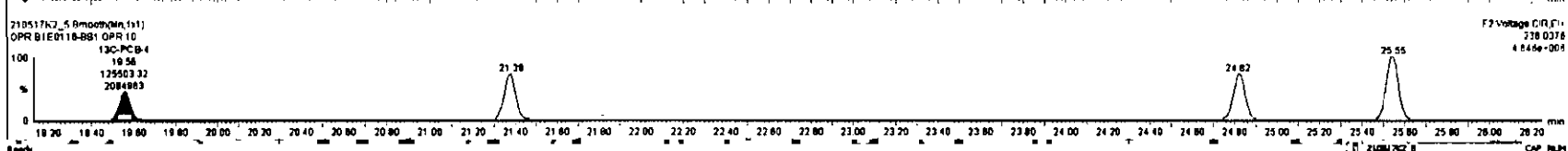


**PFK2a**



#	Name	Resp	RA	rvy	RP	valup	Prod RT	RT	Prod R.	RT	RT Fail	Conc	Reluc	DL	ExpC
224	Total Mono-PCBs				1.8224	10.000	0.00	0.000	NO	1544		8.866	1544		
225	Total Di-PCBs				1.8237	10.000	0.00	0.000	NO	6247		1.202	2643		
226	3rd Function Tri-PCBs				0.9434	10.000	0.00	0.000	NO	4233		2.807	4030		
227	3rd Function Tetra-PCBs				0.9887	10.000	0.00	0.000	NO	6738		11.0	8735		
228	Total Penta-PCBs				0.9810	10.000	0.00	0.000	NO	21830		21.8	21830		
229	3rd Function Hexa-PCBs				1.1133	10.000	0.00	0.000	NO	20770		17.8	20770		
230	4th Function Hexa-PCBs				1.0912	10.000	0.00	0.000	NO	2856		3.86	2856		
231	3rd Function Hepta-PCBs				0.7910	10.000	0.00	0.000	NO	6981		4.17	6981		

#	Name	Prod RT	RT	rt Resp	rt Resp	1 <sup>st</sup> Peak (Prod)	RA	rvy	ExpC	Conc
1	4 PCB-4/0	19.84	19.84	2.402e5	1.495e5	1.580	1.81	NO	984.03	984.03
2	5 PCB-7/0	21.44	21.42	3.027e5	1.815e5	1.580	1.58	NO	878.91	878.91
3	6 PCB-6	22.88	22.88	1.053e5	1.053e5	1.580	1.57	NO	508.15	508.15
4	7 PCB-5/0	22.88	22.88	3.248e5	2.082e5	1.580	1.57	NO	1013.8	1013.8
5	8 PCB-14	23.82	23.82	1.881e5	1.044e5	1.580	1.58	NO	477.20	477.20
6	9 PCB-11	24.84	24.85	1.830e5	1.142e5	1.580	1.80	NO	480.87	480.87

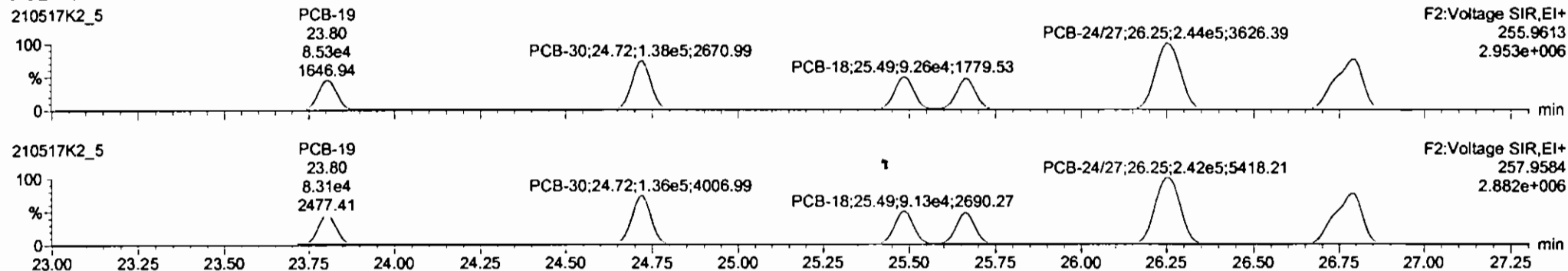


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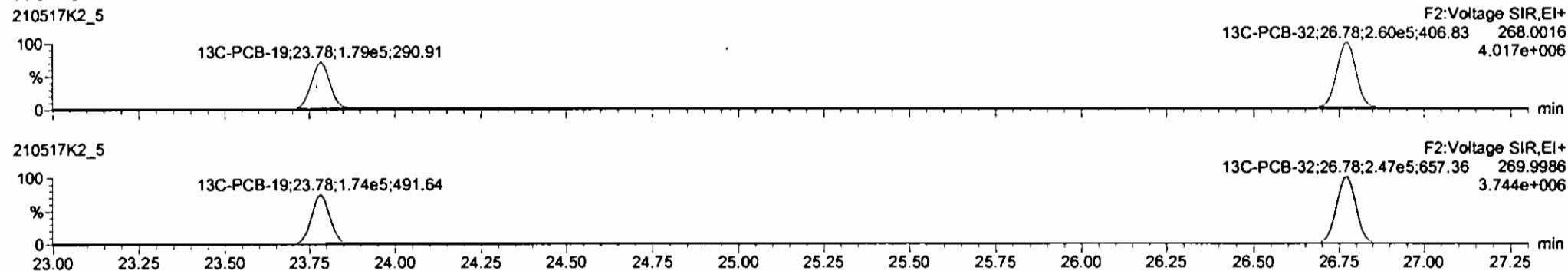
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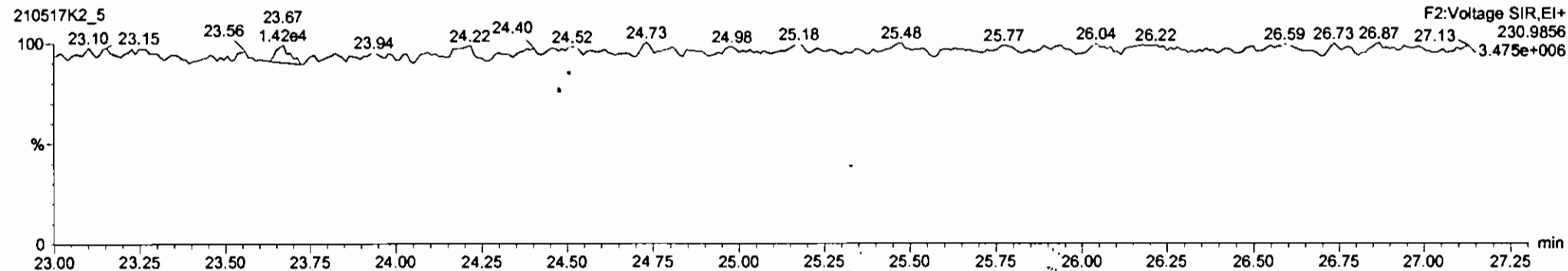
**PCB-19**



**13C-PCB-19**



**PFK2b**



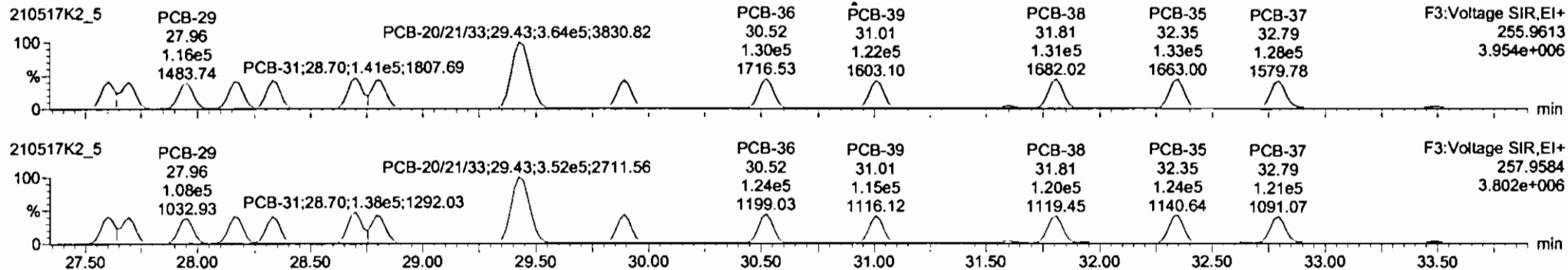
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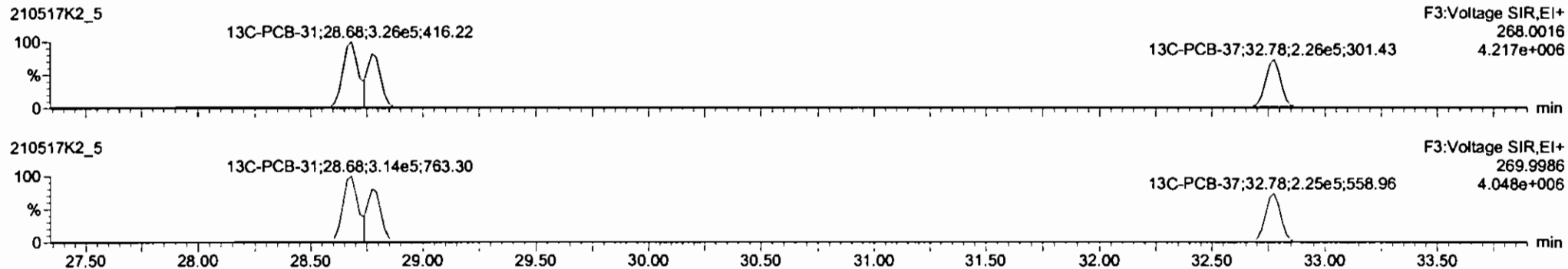
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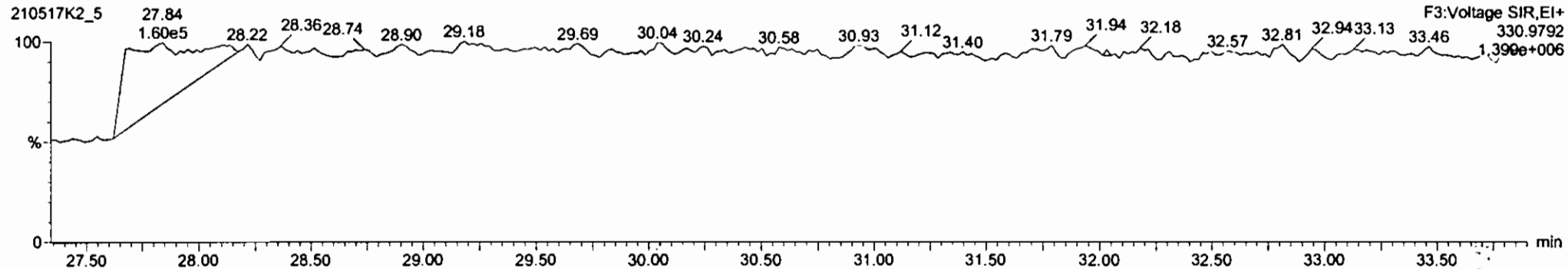
**PCB-34**



**13C-PCB-28**



**PFK3d**

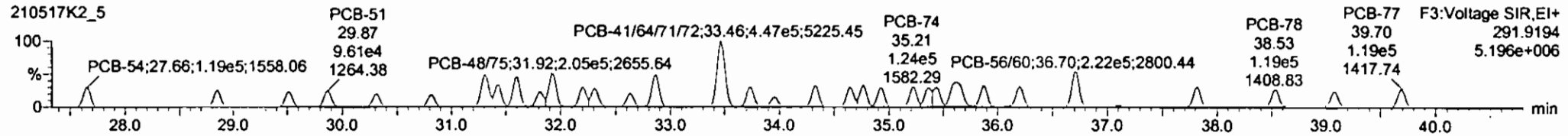
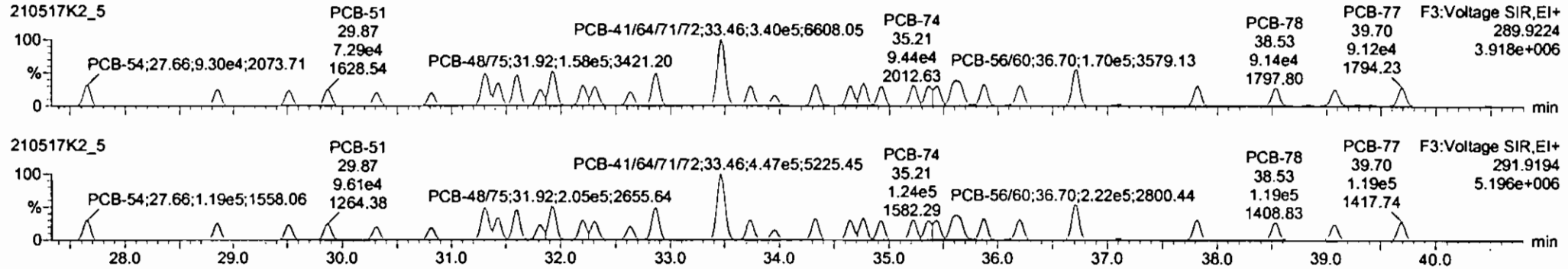


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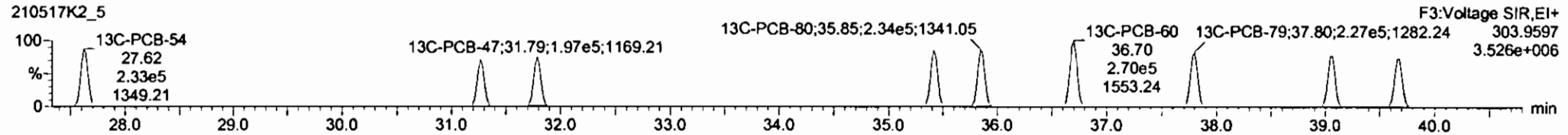
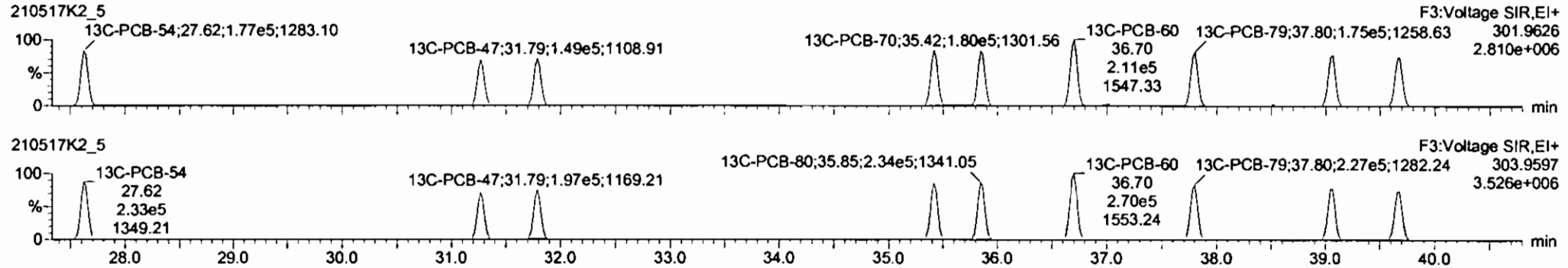
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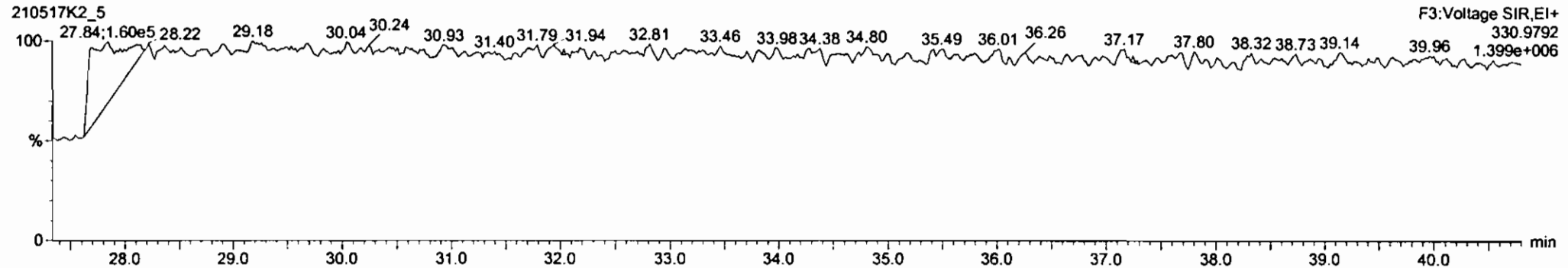
**PCB-54**



**13C-PCB-54**



**PFK3a**

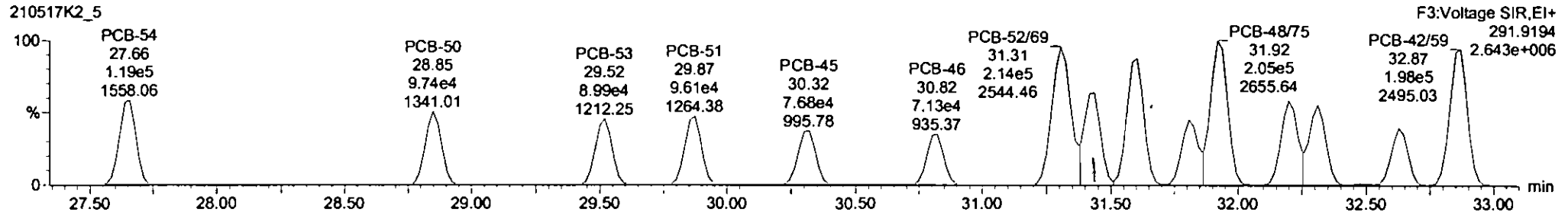
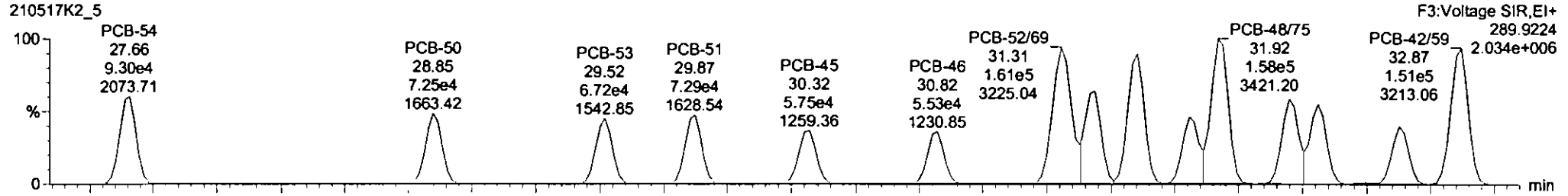


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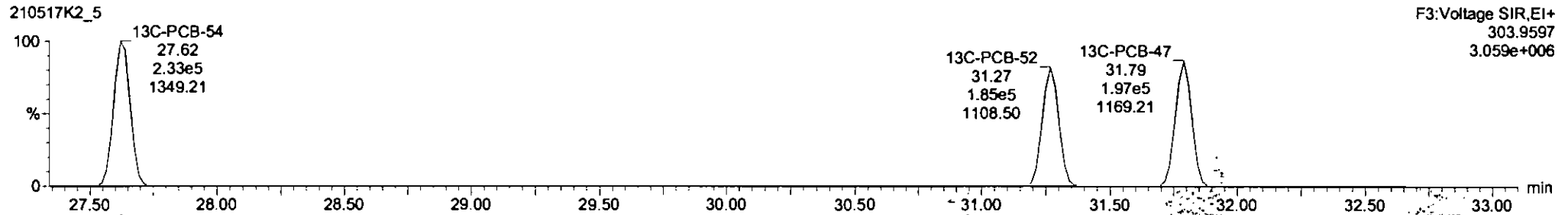
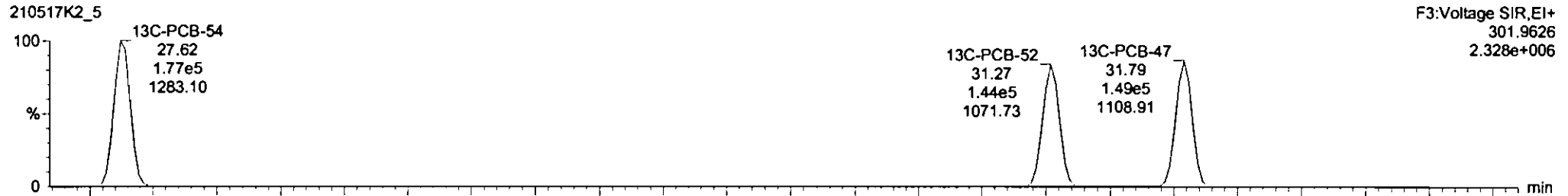
Last Altered: Tuesday, May 18, 2021 08:58:01 Pacific Daylight Time  
Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

Name: 210517K2\_5, Date: 17-May-2021, Time: 18:48:31, ID: B1E0116-BS1 OPR 10, Description: OPR

PCB-50



13C-PCB-52



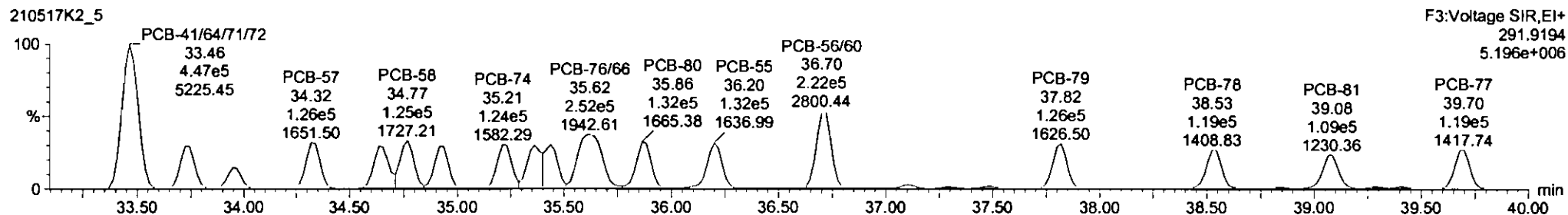
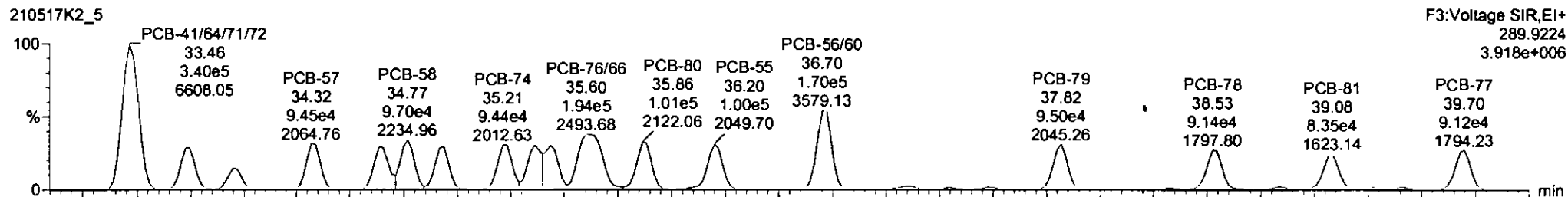
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Last Altered: Tuesday, May 18, 2021 08:58:01 Pacific Daylight Time

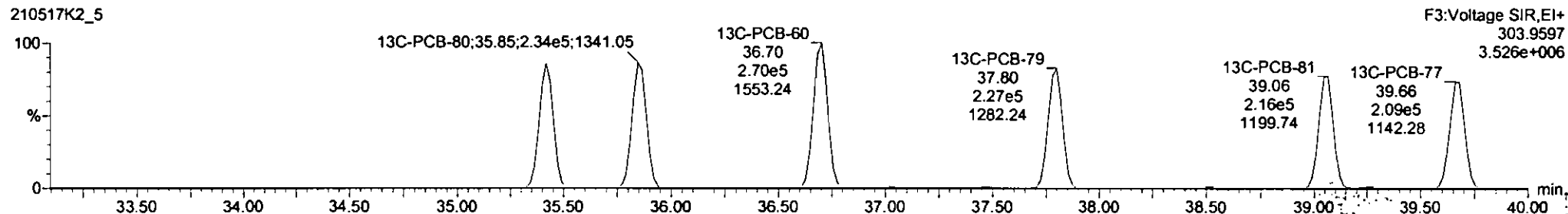
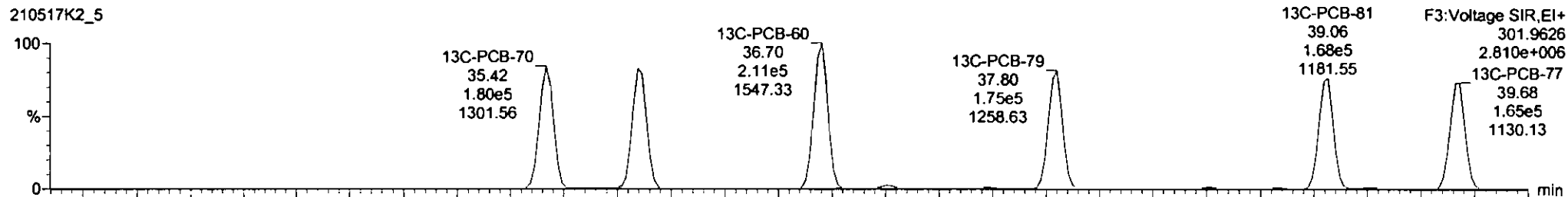
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Name: 210517K2\_5, Date: 17-May-2021, Time: 18:48:31, ID: B1E0116-BS1 OPR 10, Description: OPR

PCB-68



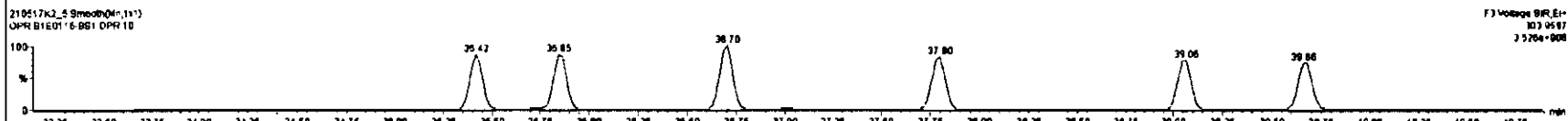
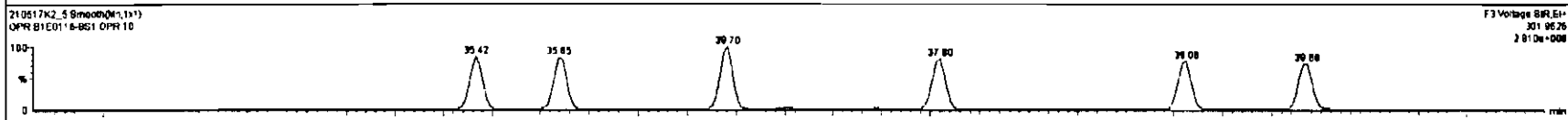
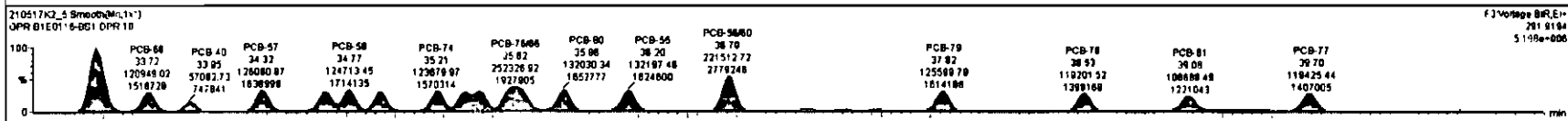
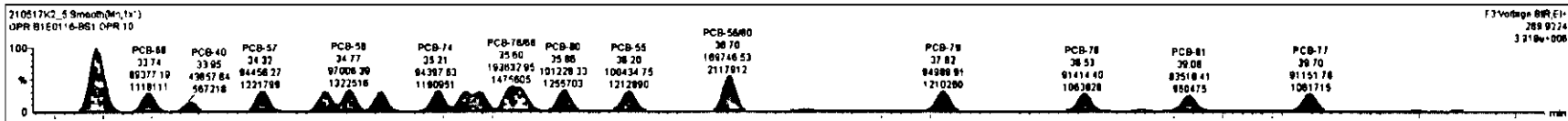
13C-PCB-60



210517K2\_5-B1E0116-B51 DPR 10 - GPR

#	Name	Resp	RA	rvy	RPV	WtAve	Prod RT	RT	Prod R	RPV	RPV F	Conc	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0034	10.000	0.00	0.000			NO	1544		0.485	1544
225	225 Total Di-PCBs				1.0367	10.000	0.00	0.000			NO	5642		7.40	5642
226	226 3rd Function Tri-PCBs				0.9434	10.000	0.00	0.000			NO	40351		2.80	40351
227	227 3rd Function Tetra-PCBs				0.9867	10.000	0.00	0.000			NO	8738		11.0	8738
228	228 Total Tetra-PCBs				0.9867	10.000	0.00	0.000			NO	21630		21.8	21630
229	229 3rd Function Penta-PCBs				1.1153	10.000	0.00	0.000			NO	20270		17.1	20270
230	230 3rd Function Hexa-PCBs				1.0612	10.000	0.00	0.000			NO	2668		3.85	2668
231	231 3rd Function Hepta-PCBs				0.7910	10.000	0.00	0.000			NO	8861		4.17	8861

#	Name	Prod RT	RT	Int Resp	m2 Resp	17Rate (Prod)	RA	rvy	EMPC	Conc.
1	37 PCB-64	27.64	27.86	9.300e4	1.192e5	0.770	0.78	NO	530.88	530.88
2	35 PCB-60	28.88	28.86	7.253e4	9.243e4	0.770	0.74	NO	518.14	518.14
3	34 PCB-53	28.52	29.52	8.721e4	6.981e4	0.770	0.75	NO	507.44	507.44
4	35 PCB-51	28.87	29.87	7.289e4	9.814e4	0.770	0.78	NO	512.79	512.79
5	38 PCB-45	30.32	30.32	5.747e4	7.875e4	0.770	0.75	NO	507.18	507.18
6	37 PCB-46	30.82	30.82	5.530e4	7.132e4	0.770	0.78	NO	498.40	498.40



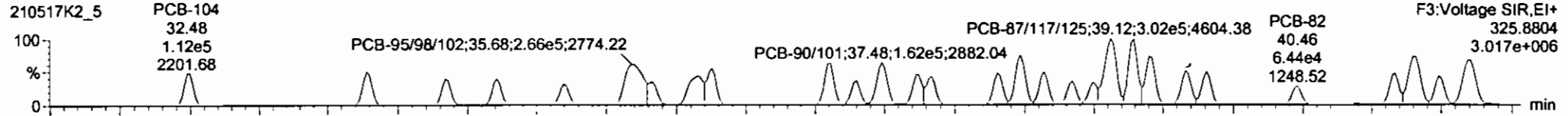


Dataset: Untitled

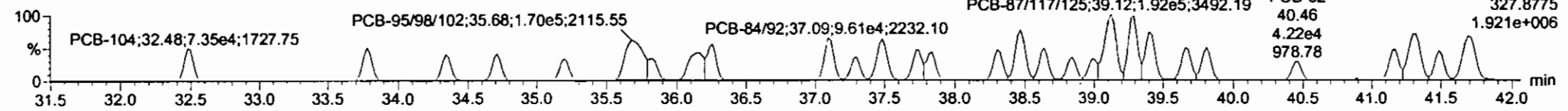
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Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

Name: 210517K2\_5, Date: 17-May-2021, Time: 18:48:31, ID: B1E0116-BS1 OPR 10, Description: OPR

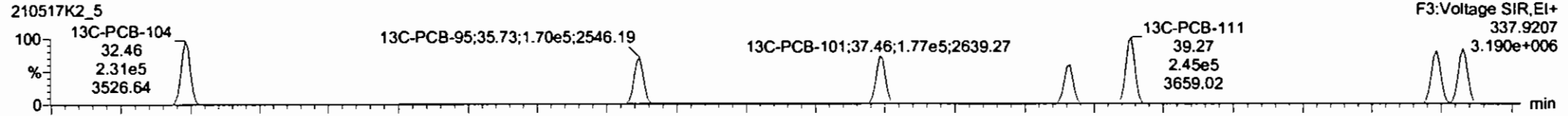
**PCB-104**



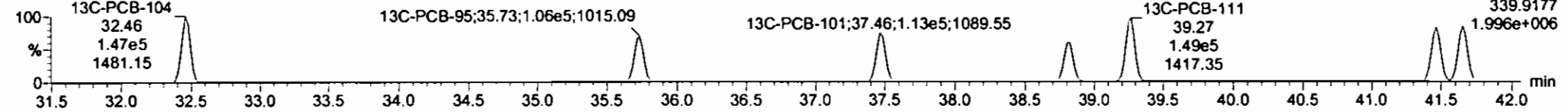
210517K2\_5



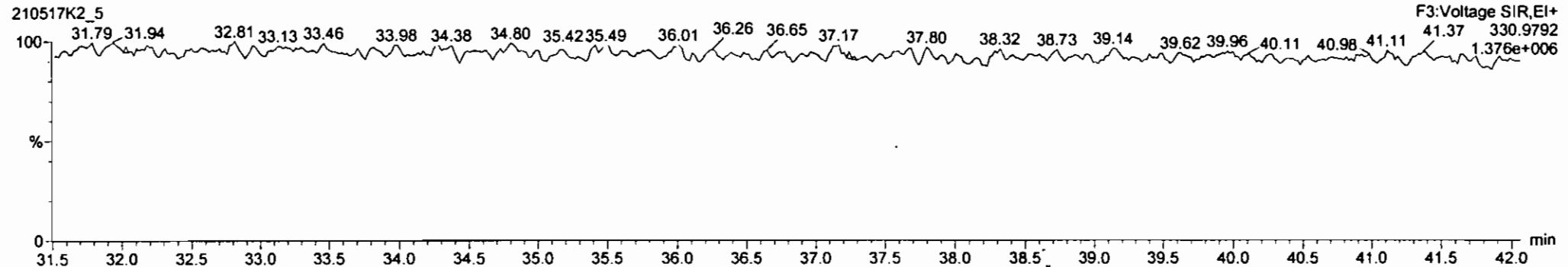
**13C-PCB-104**



210517K2\_5



**PFK3b**



Dataset: Untitled

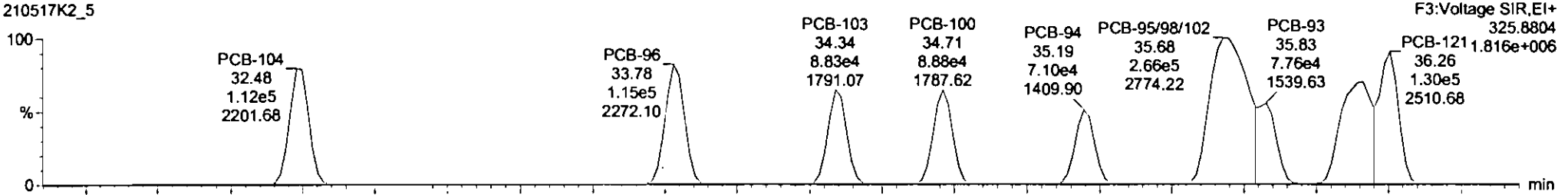
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Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

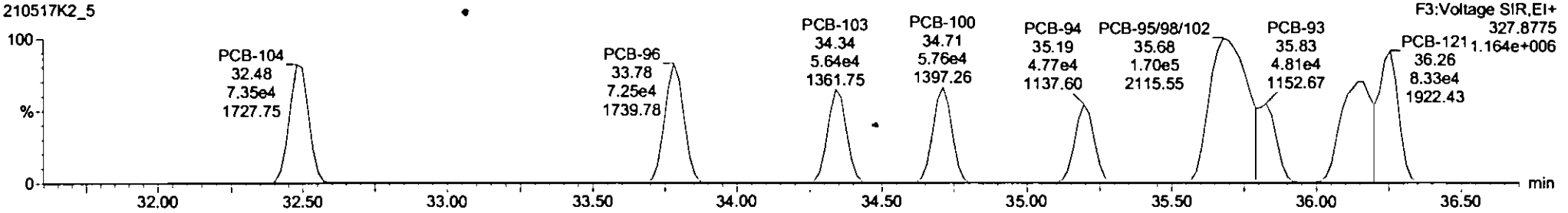
Name: 210517K2\_5, Date: 17-May-2021, Time: 18:48:31, ID: B1E0116-BS1 OPR 10, Description: OPR

**PCB-96**

210517K2\_5

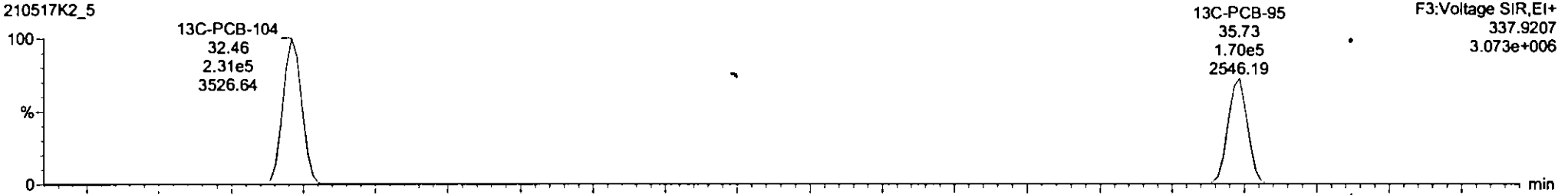


210517K2\_5

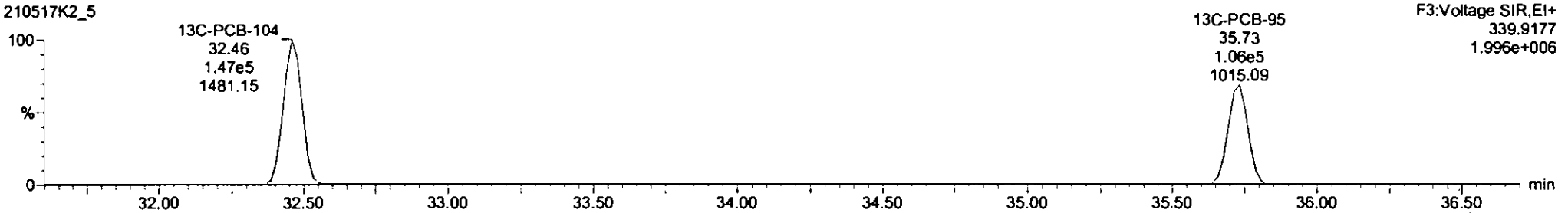


**13C-PCB-95**

210517K2\_5



210517K2\_5

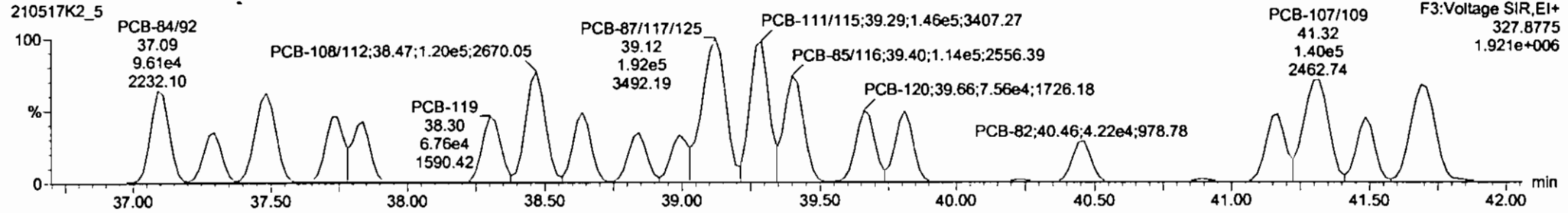
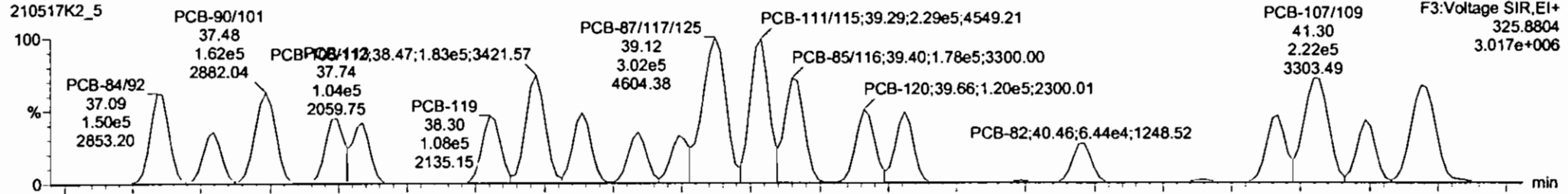


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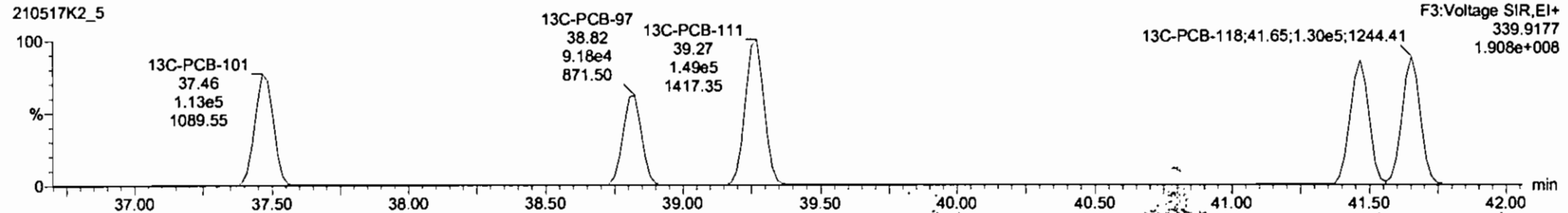
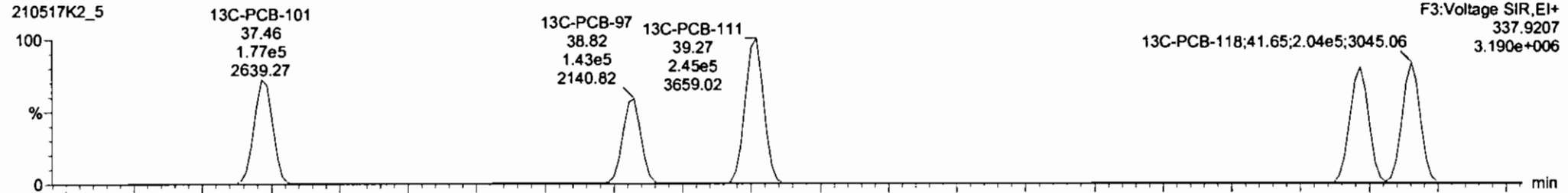
Last Altered: Tuesday, May 18, 2021 08:58:01 Pacific Daylight Time  
Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

Name: 210517K2\_5, Date: 17-May-2021, Time: 18:48:31, ID: B1E0116-BS1 OPR 10, Description: OPR

**PCB-119**



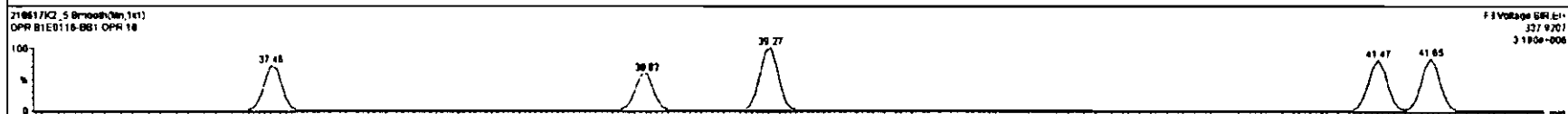
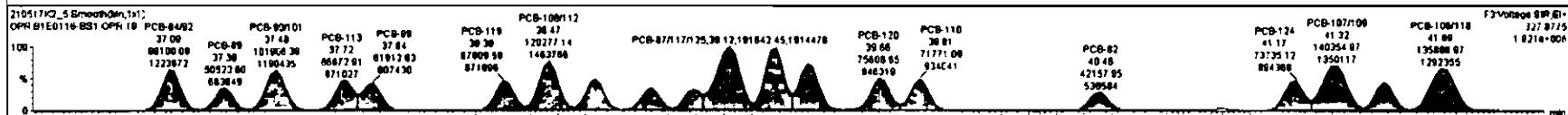
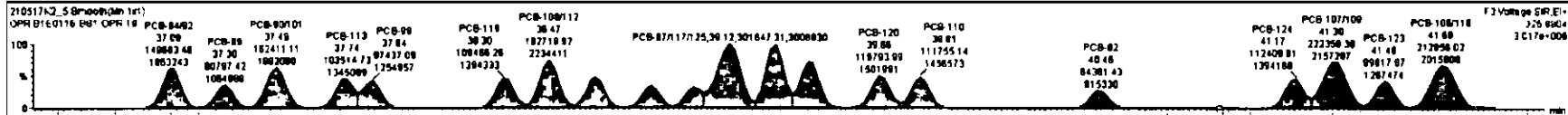
**13C-PCB-111**



210517K2\_5-B1E0116-BS1 OPR 18-UMR

#	Name	Peak	RA	RFY	RFI	IntAve	Prod RT	RT	Prod R	RRT	RRT F alt	Conc	%Rec	DL	EMPC
224	Total Mono-PCBs				1.0034	18 070	0.00		0.000			1544	0.485	1544	
225	Total Di-PCBs				1.0367	18 070	0.00		0.000			5942	7.40	5942	
226	2nd Function Tri-PCBs				0.9434	18 070	0.00		0.000			4023	2.80	4023	
227	3rd Function Tri-PCBs				0.9987	18 070	0.00		0.000			8736	11.0	8736	
228	Total Tetra-PCBs				0.9910	18 070	0.00		0.000			21630	21.9	21630	
229	3rd Function Penta-PCBs				1.1133	10.000	0.00		0.000			20770	17.9	20770	
230	4th Function Penta-PCBs				1.8512	18 070	0.00		0.000			2658	3.88	2658	
231	3rd Function Hexa-PCBs				0.7916	18 070	0.00		0.000			6881	4.17	6881	

#	Name	Prod RT	RT	Int Area	Int Peak	1% Ratio (Prod)	RA	RFY	EMPC	Conc.
1	64 PCB-104	32.48	32.48	1.174e5	7.302e4	1.560	1.83	NO	321.47	321.47
2	65 PCB-98	32.78	32.78	1.148e4	7.254e4	1.560	1.88	NO	324.86	324.86
3	66 PCB-103	34.38	34.38	8.827e4	5.842e4	1.560	1.88	NO	427.84	427.84
4	67 PCB-100	34.71	34.71	8.891e4	5.758e4	1.560	1.84	NO	481.72	481.72
5	68 PCB-94	35.18	35.18	1.087e4	4.771e4	1.560	1.48	NO	518.18	518.18
6	69 PCB-95/94/02	35.88	35.88	7.882e5	1.703e5	1.560	1.58	NO	1478.2	1478.2



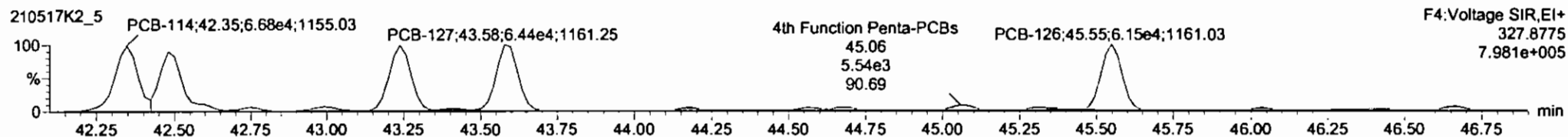
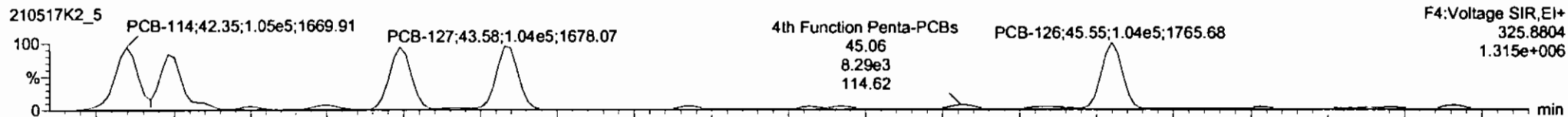
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Last Altered: Tuesday, May 18, 2021 08:58:01 Pacific Daylight Time

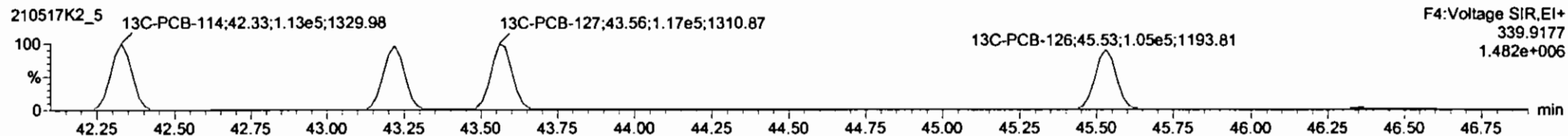
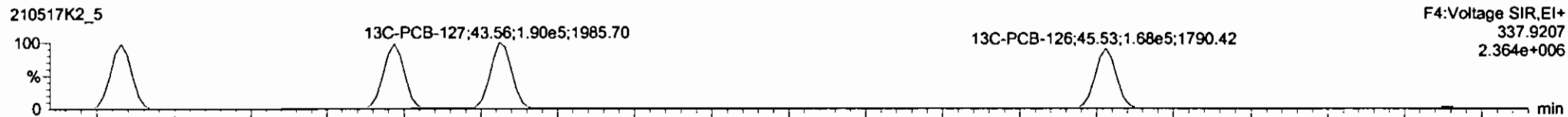
Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

Name: 210517K2\_5, Date: 17-May-2021, Time: 18:48:31, ID: B1E0116-BS1 OPR 10, Description: OPR

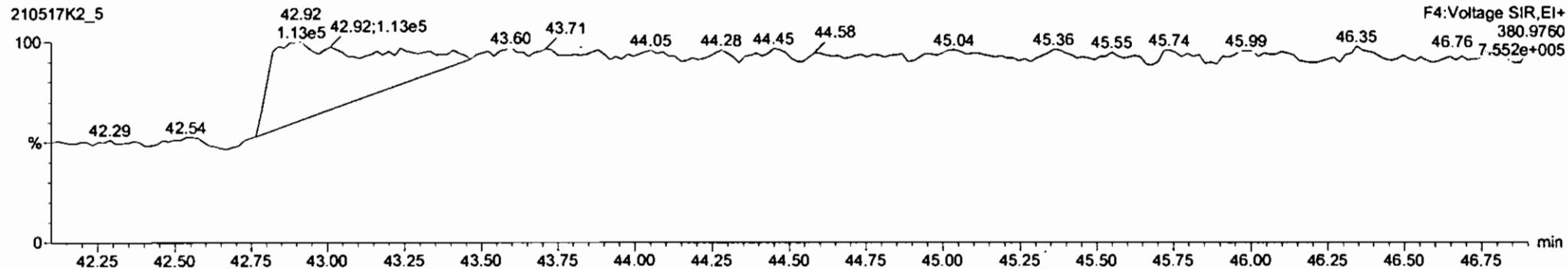
**PCB-114**



**13C-PCB-114**



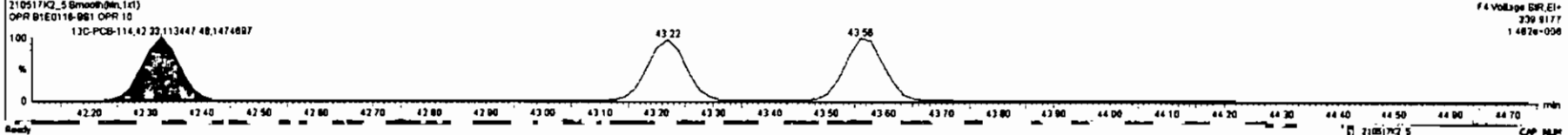
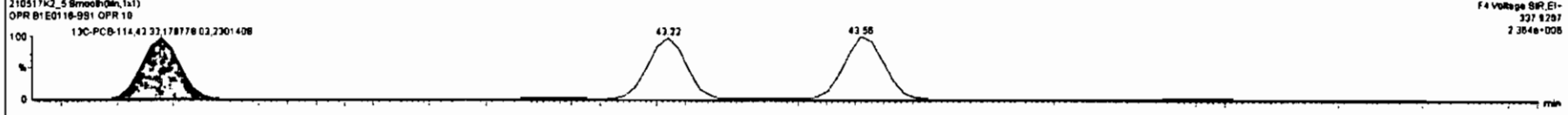
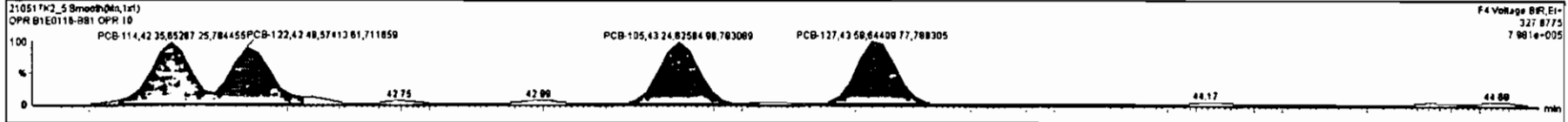
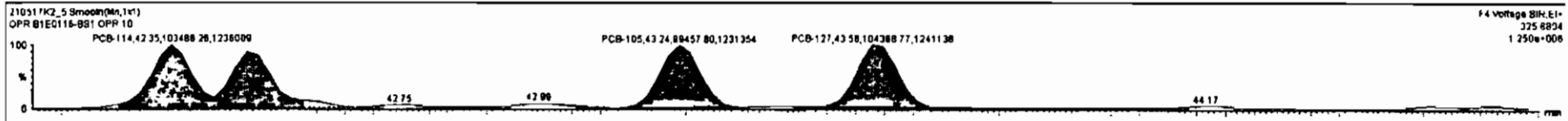
**PFK4a**



210517K2\_5-B1E0118-BS1-OPR 10-OPR

#	Name	Resp	RA	rvy	RRF	wtAve	Prod RT	RT	Prod R	RRT	RT1 Fail	Conc	%Rec	DL	EMPC
224	Total Mono-PCBs				1.0004	10.000	0.00	0.000			NO	1544		0.465	1544
225	Total Di-PCBs				1.0367	10.000	0.00	0.000			NO	5942		7.40	5942
226	2nd Function Tri-PCBs				0.9434	10.000	0.00	0.000			NO	4033		2.80	4033
227	3rd Function Tri-PCBs				0.9887	10.000	0.00	0.000			NO	8736		11.0	8736
228	Total Tetra-PCBs				0.9910	10.000	0.00	0.000			NO	21630		21.8	21630
229	3rd Function Penta-PCBs				1.1123	10.000	0.00	0.000			NO	20770		17.8	20770
230	4th Function Penta-PCBs				1.8992	10.000	0.00	0.000			NO	2099		3.88	2099
231	3rd Function Hexa-PCBs				0.7910	10.000	0.00	0.000			NO	8081		4.17	8081

#	Name	Prod RT	RT	wt Resp	wt Resp	1% Ratio (Prod)	RA	rvy	EMPC	Conc
1	83 PCB-114	42.36	42.36	1.005e5	6.529e4	1.580	1.60	NO	632.83	532.83
2	94 PCB-122	42.50	42.48	8.845e4	5.741e4	1.580	1.54	NO	536.58	536.58
3	85 PCB-105	43.24	43.24	9.948e4	6.258e4	1.580	1.58	NO	543.11	543.11
4	86 PCB-127	43.58	43.58	1.044e5	6.441e4	1.580	1.62	NO	520.21	520.21
5	87 PCB-126	45.55	45.55	1.028e5	6.150e4	1.580	1.88	NO	524.78	524.78



Dataset: Untitled

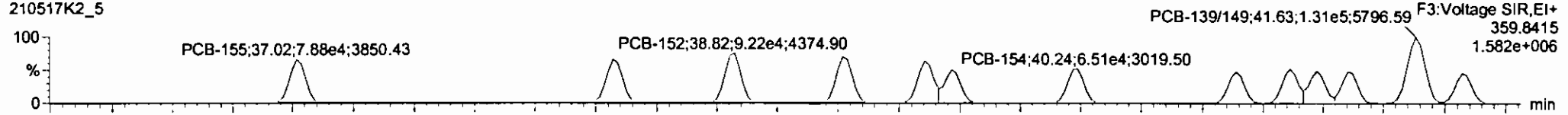
Last Altered: Tuesday, May 18, 2021 08:58:01 Pacific Daylight Time

Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

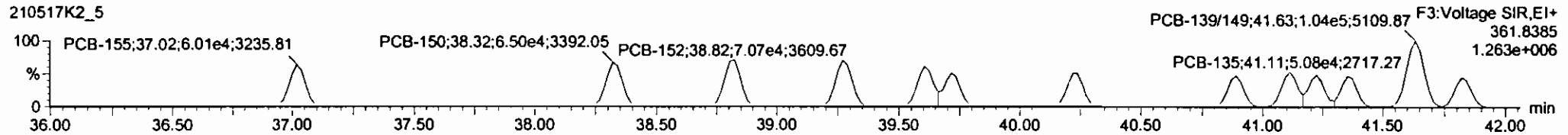
Name: 210517K2\_5, Date: 17-May-2021, Time: 18:48:31, ID: B1E0116-BS1 OPR 10, Description: OPR

**PCB-155**

210517K2\_5

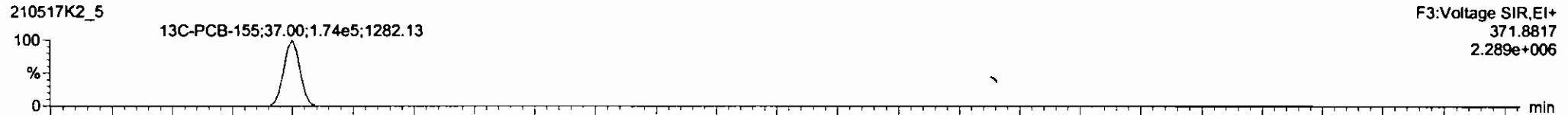


210517K2\_5

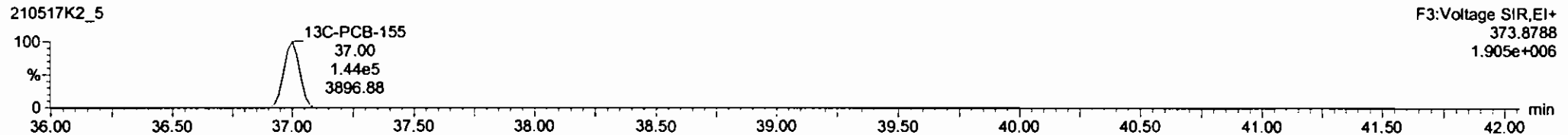


**13C-PCB-155**

210517K2\_5

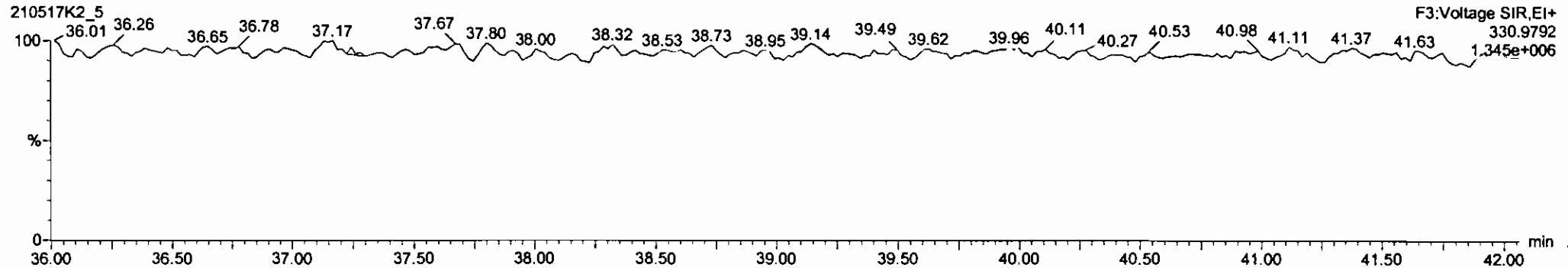


210517K2\_5



**PFK3c**

210517K2\_5

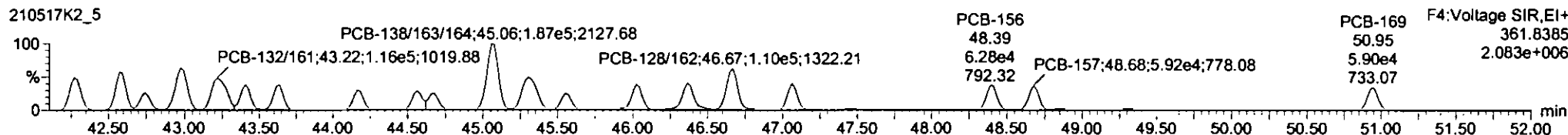
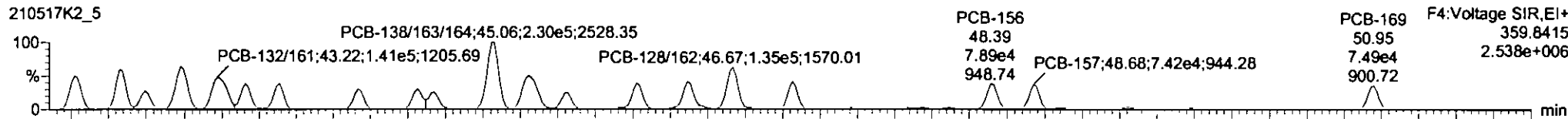


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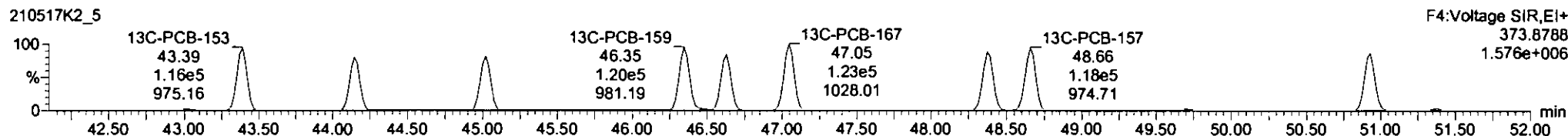
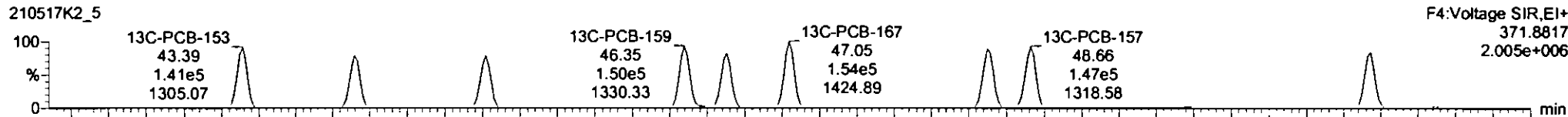
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Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

Name: 210517K2\_5, Date: 17-May-2021, Time: 18:48:31, ID: B1E0116-BS1 OPR 10, Description: OPR

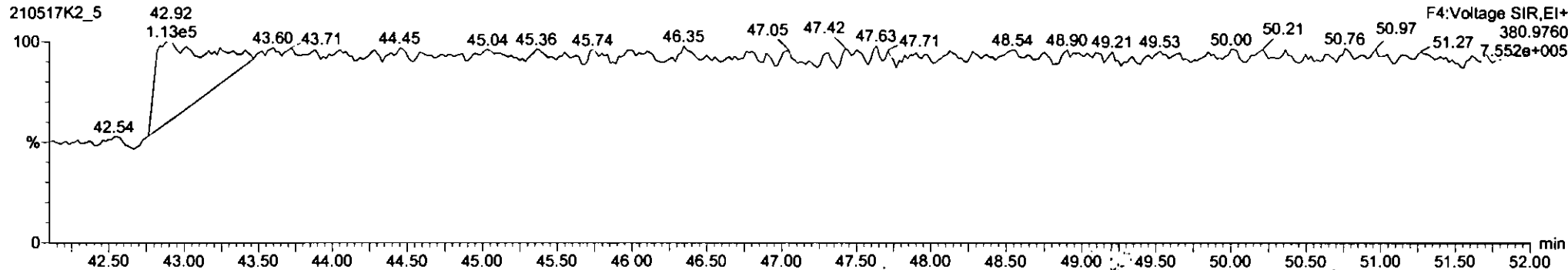
**PCB-134/143**



**13C-PCB-153**



**PFK4b**

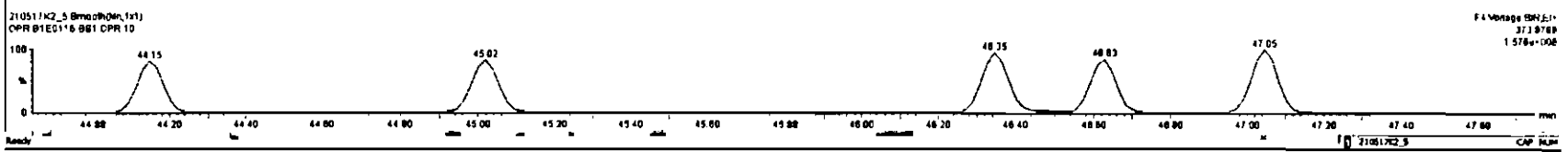
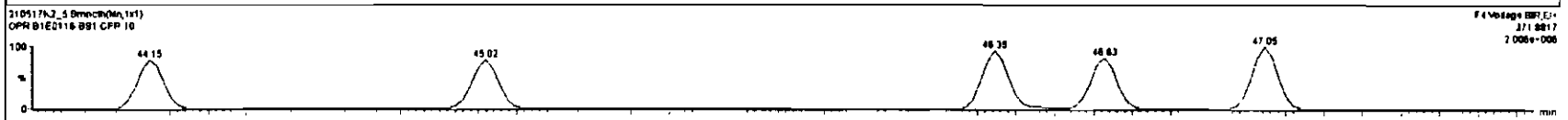
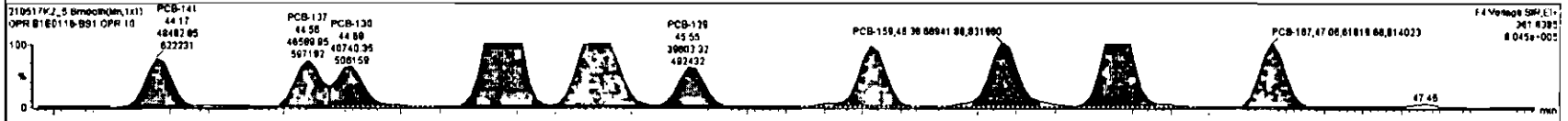
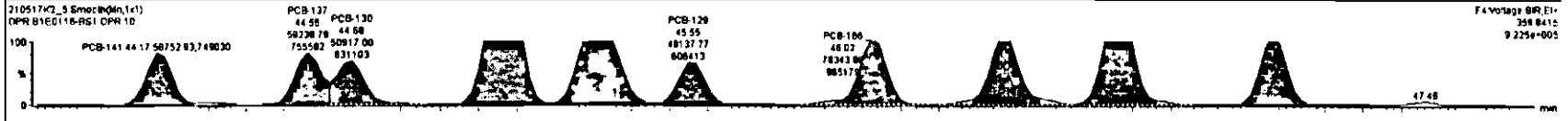




210517K2\_5-D1E0116-B91-CFR 10-C4P

#	Name	Area	RA	RY	FW	Wt%	Prod RT	RT	Prod R	RRT	RRT Fd	Comp	Wt%	DL	ExpC
224	Total Mono-PCBs				1.0004	10.000	0.00	0.000	0.000	NO	1544		0.000	1544	
226	Total Di-PCBs				1.0367	10.000	0.00	0.000	0.000	NO	3847		7.40	3847	
228	2nd Function Tri-PCBs				0.9436	10.000	0.00	0.000	0.000	NO	4023		2.80	4023	
227	3rd Function Tri-PCBs				0.9897	10.000	0.00	0.000	0.000	NO	8738		11.0	8738	
229	Total Tetra-PCBs				0.8910	10.000	0.00	0.000	0.000	NO	21630		21.6	21630	
228	2nd Function Penta-PCBs				1.1133	10.000	0.00	0.000	0.000	NO	30770		17.0	30770	
230	3rd Function Penta-PCBs				1.0547	10.000	0.00	0.000	0.000	NO	2058		3.80	2058	
224	2nd Function Hexa-PCBs				0.7940	10.000	0.00	0.000	0.000	NO	8881		4.17	8881	

#	Name	Prod RT	RT	wt Resp	wt Resp	1st Ratio (Prod)	RA	RY	FW	Comp
1	111 PCB-134H43	42.25	42.27	1.139e5	9.079e4	1.240	1.25	NO	1487.1	1107.1
2	112 PCB-134H33	42.58	42.58	1.189e5	9.443e4	1.240	1.25	NO	1876.4	1876.4
3	113 PCB-142	42.75	42.74	5.261e4	4.083e4	1.240	1.28	NO	528.86	528.86
4	114 PCB-140H85	43.98	42.87	1.476e5	1.173e5	1.240	1.23	NO	1075.0	1075.0
5	115 PCB-132H81	43.24	43.22	1.414e5	1.138e5	1.240	1.32	NO	1048.7	1048.7
6	116 PCB-133	43.43	43.41	7.881e4	6.132e4	1.240	1.25	NO	943.86	943.86

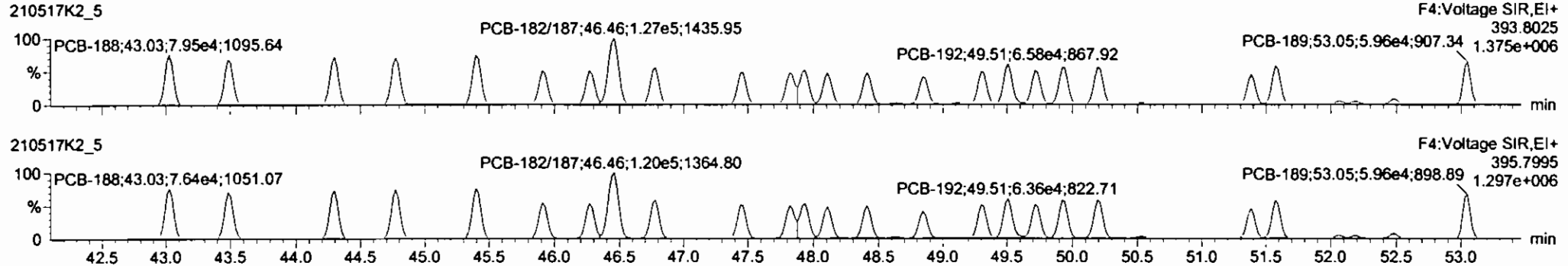


Dataset: Untitled

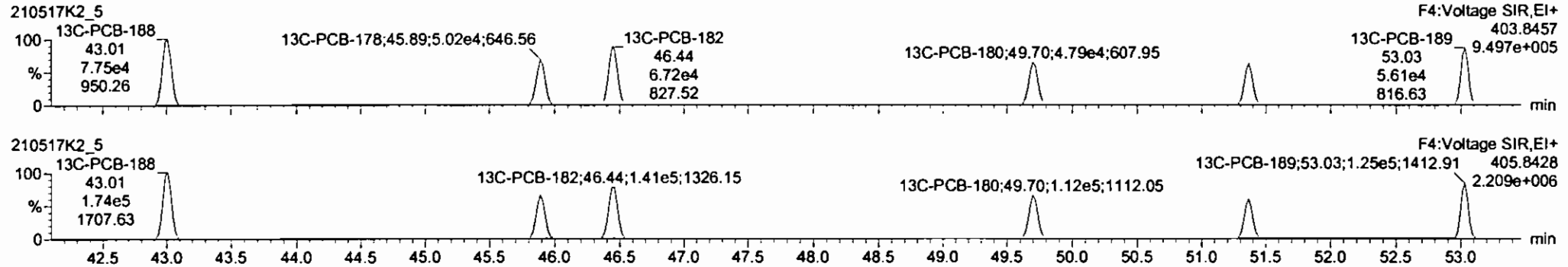
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Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

Name: 210517K2\_5, Date: 17-May-2021, Time: 18:48:31, ID: B1E0116-BS1 OPR 10, Description: OPR

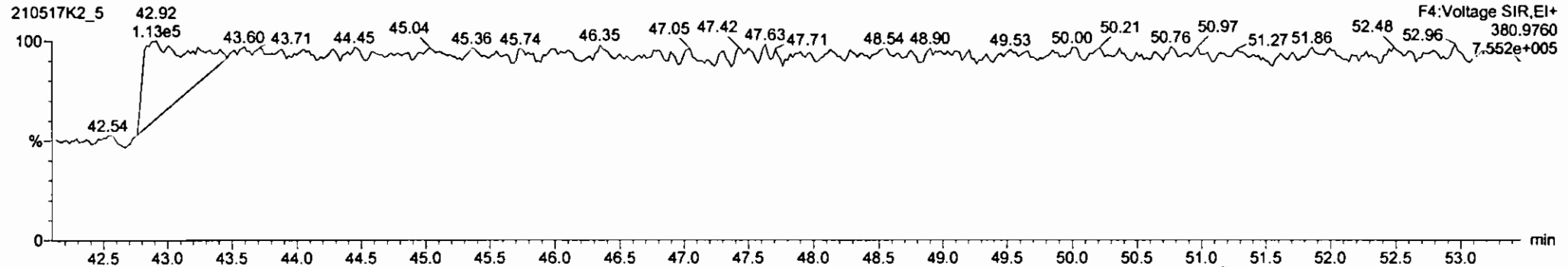
**PCB-188**



**13C-PCB-188**



**PFK4c**

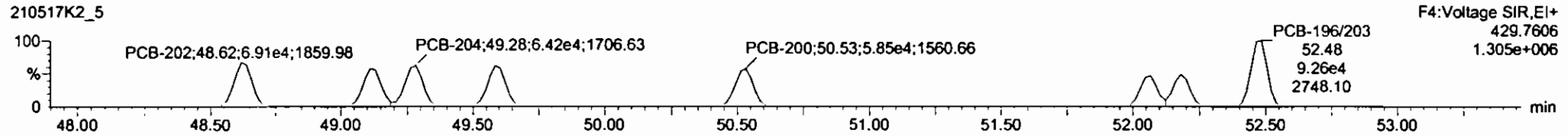
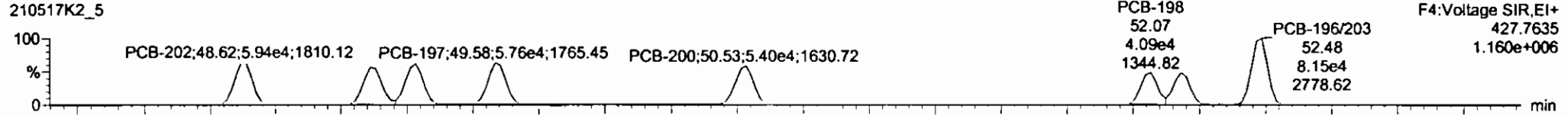


Dataset: Untitled

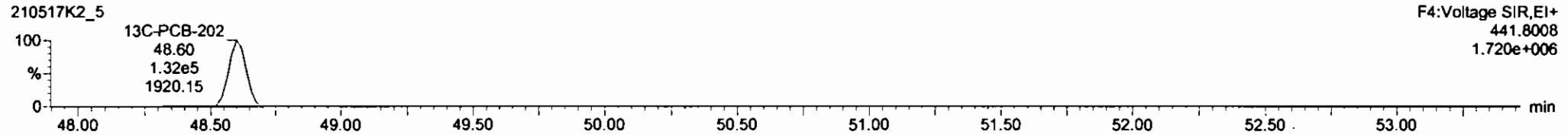
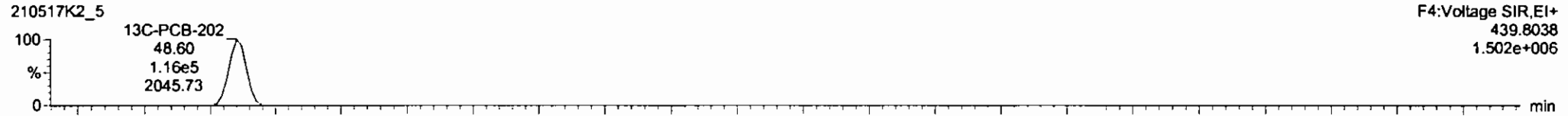
Last Altered: Tuesday, May 18, 2021 08:58:01 Pacific Daylight Time  
Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

Name: 210517K2\_5, Date: 17-May-2021, Time: 18:48:31, ID: B1E0116-BS1 OPR 10, Description: OPR

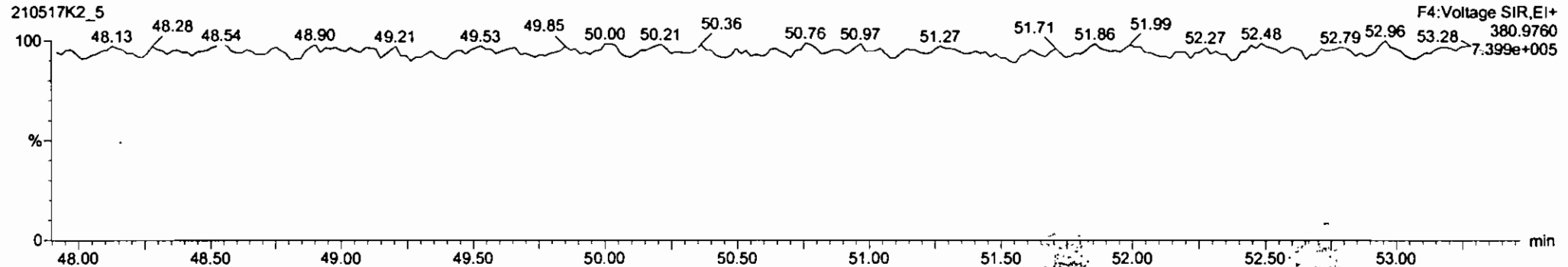
**PCB-202**



**13C-PCB-202**



**PFK4d**



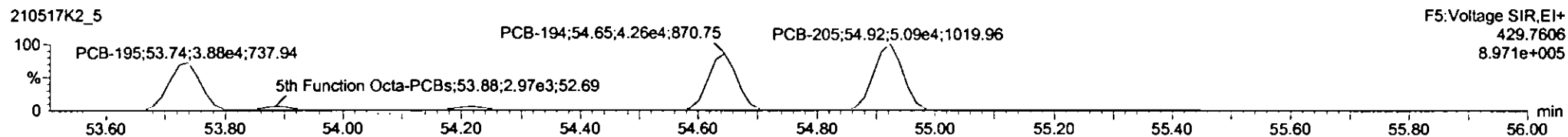
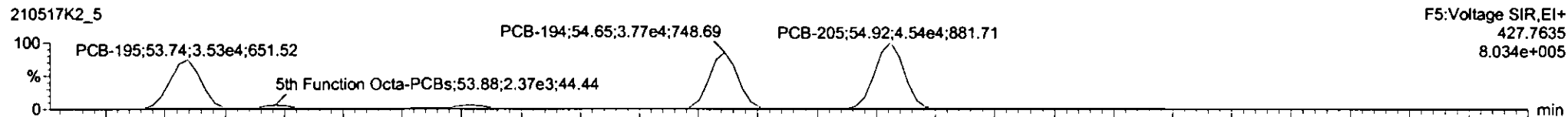
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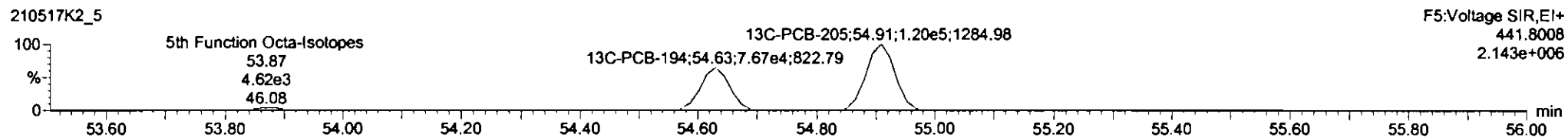
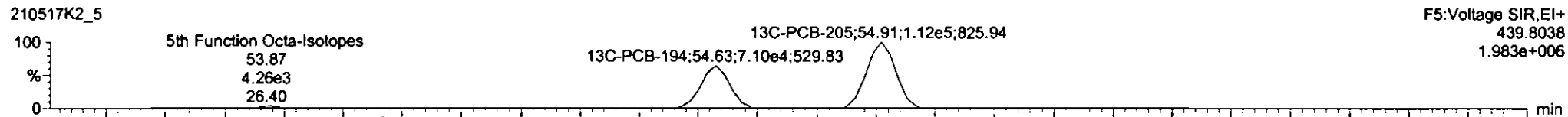
Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

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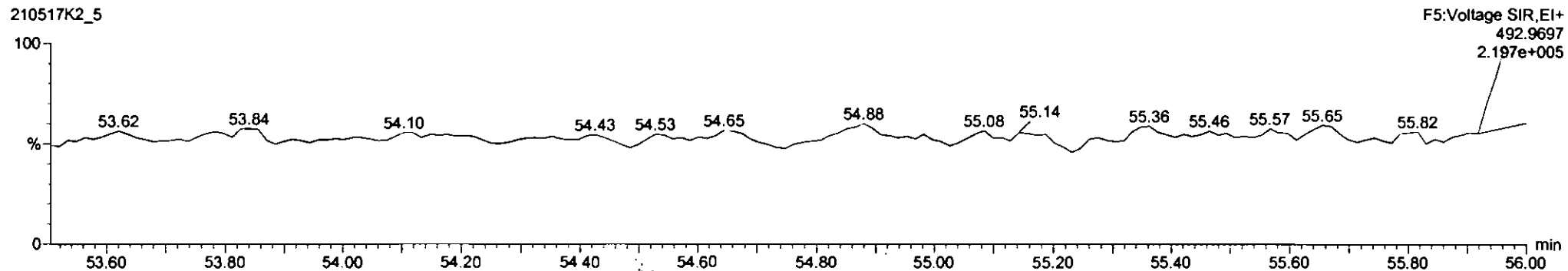
**PCB-195**



**13C-PCB-194**



**PFK5a**



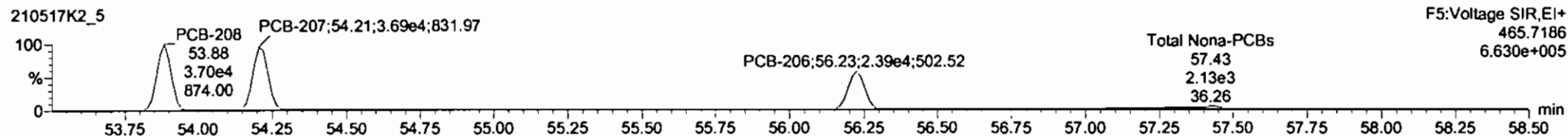
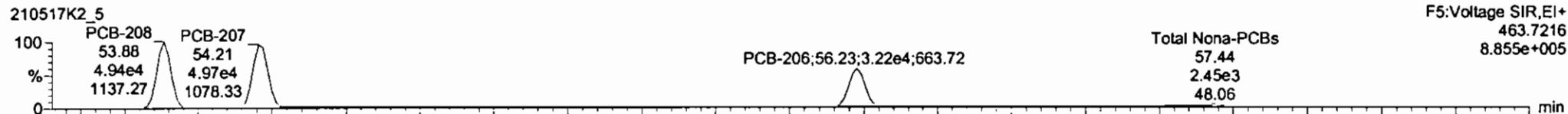
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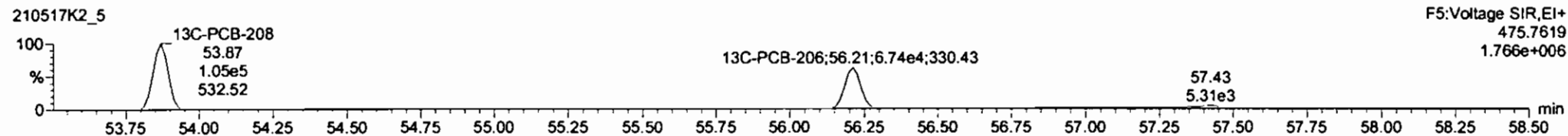
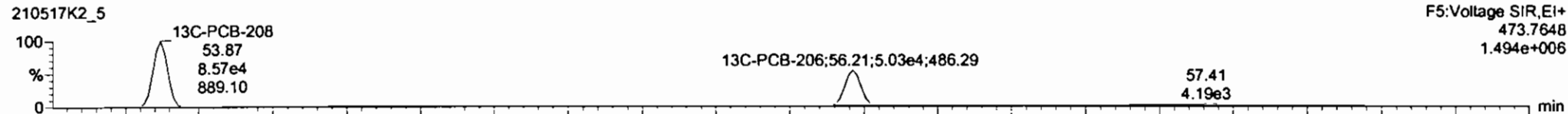
Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

Name: 210517K2\_5, Date: 17-May-2021, Time: 18:48:31, ID: B1E0116-BS1 OPR 10, Description: OPR

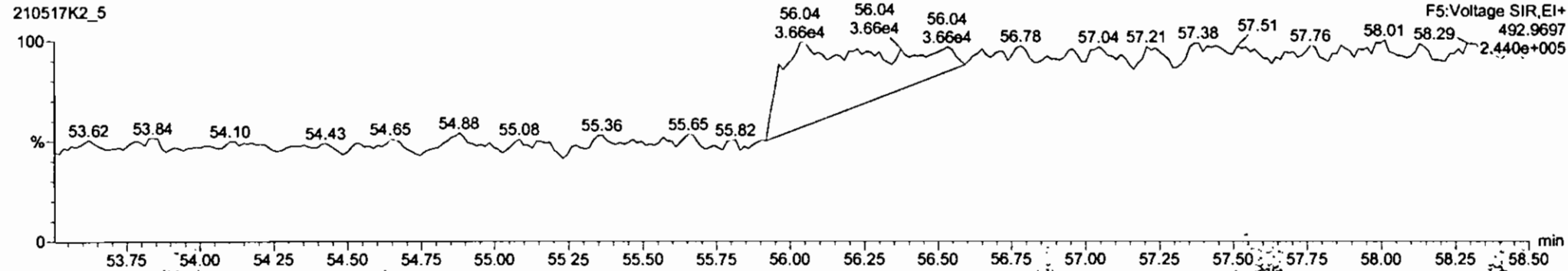
**PCB-208**



**13C-PCB-208**



**PFK5**



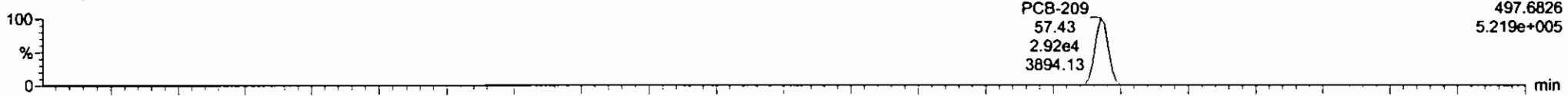
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Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

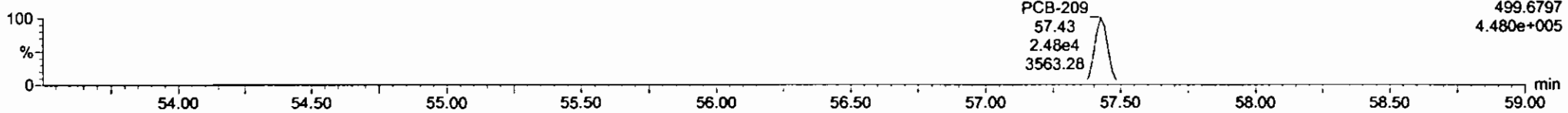
Name: 210517K2\_5, Date: 17-May-2021, Time: 18:48:31, ID: B1E0116-BS1 OPR 10, Description: OPR

**PCB-209**

210517K2\_5

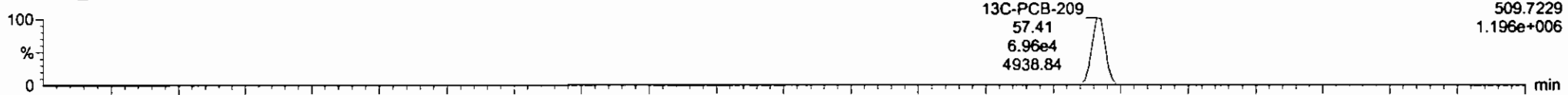


210517K2\_5

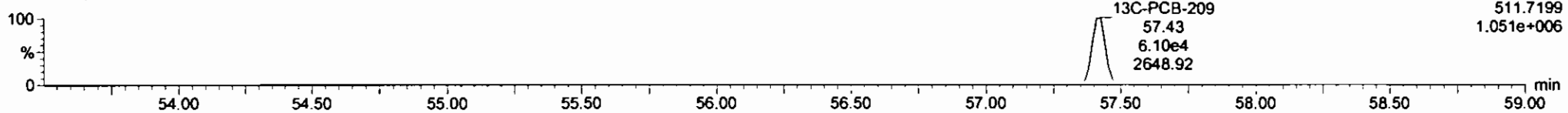


**13C-PCB-209**

210517K2\_5

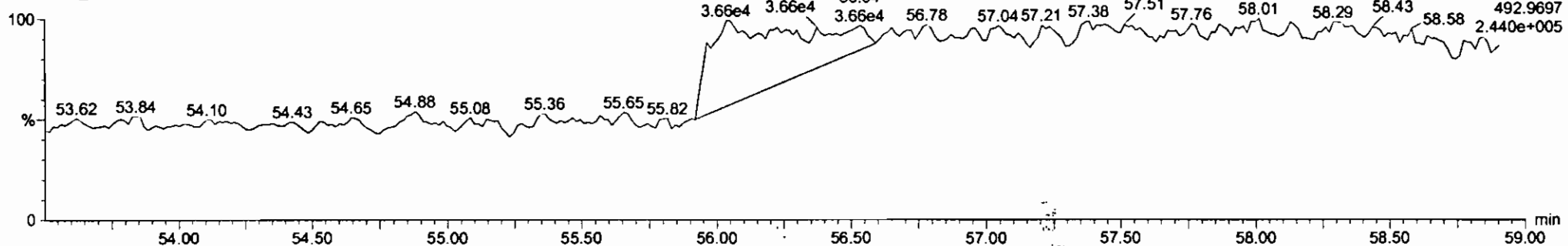


210517K2\_5



**PFK5b**

210517K2\_5



Dataset: U:\VG11.PRO\Results\210517K2\210517K2-12.qld

Last Altered: Friday, June 04, 2021 1:12:11 PM Pacific Daylight Time  
Printed: Friday, June 04, 2021 1:14:16 PM Pacific Daylight Time

*DF06/04/21*

*C706/02/2021*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_5-17-21.mdb 17 May 2021 16:25:28  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 18:49:42

Name: 210517K2\_12, Date: 18-May-2021, Time: 01:54:16, ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	1.98e3	2.81	NO	0.986	5.007	15.59	15.60	1.001	1.001	NO	5.509		0.261	5.509
2	2 PCB-2	4.58e3	2.66	NO	1.02	5.007	18.00	18.00	0.988	0.988	NO	12.26		0.266	12.26
3	3 PCB-3	3.04e3	2.82	NO	1.00	5.007	18.23	18.23	1.001	1.001	NO	8.309		0.271	8.309
4	4 PCB-4/10	3.42e3	1.33	NO	1.21	5.007	19.65	19.59	1.004	1.001	NO	12.75		1.54	12.75
5	5 PCB-7/9			NO	0.939	5.007	21.44		1.003		YES			1.23	
6	6 PCB-6	3.36e3	1.87	YES	0.996	5.007	22.09	22.09	1.033	1.033	NO	9.086		1.16	8.087
7	7 PCB-5/8	1.10e4	1.40	NO	0.976	5.007	22.50	22.49	1.052	1.052	NO	30.31		1.18	30.31
8	8 PCB-14			NO	1.02	5.007	23.62		0.951		YES			1.26	
9	9 PCB-11	1.49e4	1.46	NO	1.12	5.007	24.85	24.85	1.001	1.001	NO	37.59		1.16	37.59
10	10 PCB-12/13			NO	1.02	5.007	25.28		1.018		YES			1.27	
11	11 PCB-15	1.23e4	1.48	NO	1.02	5.007	25.56	25.57	1.030	1.030	NO	33.97		1.27	33.97
12	12 PCB-19	2.04e3	1.11	NO	0.972	5.007	23.83	23.82	1.001	1.001	NO	9.533		0.598	9.533
13	13 PCB-30			NO	1.54	5.007	24.73		1.039		YES			0.377	
14	14 PCB-18	9.54e3	1.02	NO	0.719	5.007	25.50	25.49	0.952	0.952	NO	42.54		0.570	42.54
15	15 PCB-17	4.75e3	1.07	NO	0.672	5.007	25.66	25.67	0.958	0.959	NO	22.67		0.610	22.67
16	16 PCB-24/27	1.52e3	1.19	NO	0.932	5.007	26.24	26.24	0.980	0.980	NO	5.241		0.440	5.241
17	17 PCB-16/32	7.78e3	0.97	NO	0.824	5.007	26.80	26.80	1.001	1.001	NO	30.26		0.497	30.26
18	18 PCB-34			NO	0.878	5.007	27.61		0.959		YES			0.686	
19	19 PCB-23			NO	0.892	5.007	27.71		0.962		YES			0.675	
20	20 PCB-29			NO	0.861	5.007	27.98		0.972		YES			0.699	
21	21 PCB-26	5.73e3	0.99	NO	0.915	5.007	28.18	28.18	0.979	0.979	NO	18.98		0.658	18.98
22	22 PCB-25	3.30e3	1.23	YES	0.915	5.007	28.34	28.33	0.984	0.984	NO	10.81		0.658	9.983
23	23 PCB-31	2.41e4	1.04	NO	1.03	5.007	28.72	28.70	0.998	0.997	NO	70.89		0.584	70.89
24	24 PCB-28	3.01e4	1.07	NO	1.01	5.007	28.81	28.81	1.001	1.001	NO	90.00		0.594	90.00
25	25 PCB-20/21/33	1.36e4	1.12	NO	0.913	5.007	29.45	29.46	1.023	1.023	NO	45.27		0.660	45.27
26	26 PCB-22	8.73e3	1.03	NO	0.948	5.007	29.91	29.89	1.039	1.038	NO	27.91		0.635	27.91
27	27 PCB-36			NO	1.07	5.007	30.52		0.931		YES			0.624	
28	28 PCB-39	2.76e2	0.84	YES	1.00	5.007	31.01	31.03	0.946	0.947	NO	0.8776		0.665	0.7883
29	29 PCB-38	1.57e2	1.07	NO	1.05	5.007	31.80	31.79	0.970	0.970	NO	0.4760		0.635	0.4760
30	30 PCB-35	8.42e2	1.04	NO	1.05	5.007	32.35	32.37	0.987	0.988	NO	2.562		0.637	2.562
31	31 PCB-37	1.27e4	1.01	NO	1.03	5.007	32.79	32.81	1.001	1.001	NO	39.49		0.649	39.49

Dataset: U:\VG11.PRO\Results\210517K2\210517K2-12.qld

Last Altered: Friday, June 04, 2021 1:12:11 PM Pacific Daylight Time

Printed: Friday, June 04, 2021 1:14:16 PM Pacific Daylight Time

Name: 210517K2\_12, Date: 18-May-2021, Time: 01:54:16, ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
32	32 PCB-54	3.72e2	0.94	YES	0.974	5.007	27.66	27.66	1.001	1.001	NO	1.462		0.948	1.332
33	33 PCB-50	1.95e2	0.74	NO	0.803	5.007	28.88	28.83	1.045	1.043	NO	0.9329		1.15	0.9329
34	34 PCB-53	3.66e3	0.71	NO	0.939	5.007	29.53	29.52	0.944	0.943	NO	17.79		1.21	17.79
35	35 PCB-51	1.84e3	0.73	NO	1.00	5.007	29.89	29.87	0.955	0.955	NO	8.407		1.13	8.407
36	36 PCB-45	2.70e3	0.68	NO	0.802	5.007	30.34	30.32	0.970	0.969	NO	15.33		1.41	15.33
37	37 PCB-46	9.91e2	0.68	NO	0.770	5.007	30.84	30.82	0.986	0.985	NO	5.873		1.47	5.873
38	38 PCB-52/69	4.69e4	0.75	NO	1.08	5.007	31.32	31.31	1.001	1.001	NO	197.9		1.05	197.9
39	39 PCB-73			NO	1.31	5.007	31.46		1.005		YES			0.866	
40	40 PCB-43/49	2.33e4	0.75	NO	0.925	5.007	31.61	31.62	1.010	1.011	NO	114.9		1.22	114.9
41	41 PCB-47	9.97e3	0.80	NO	0.863	5.007	31.83	31.83	1.001	1.001	NO	50.35		1.25	50.35
42	42 PCB-48/75	4.55e3	0.69	NO	1.04	5.007	31.96	31.96	1.005	1.005	NO	19.11		1.04	19.11
43	43 PCB-65			NO	1.16	5.007	32.22		1.013		YES			0.931	
44	44 PCB-62			NO	1.04	5.007	32.33		1.016		YES			1.04	
45	45 PCB-44	2.39e4	0.75	NO	0.757	5.007	32.65	32.65	1.026	1.026	NO	137.4		1.43	137.4
46	46 PCB-42/59	8.27e3	0.74	NO	0.975	5.007	32.89	32.87	1.034	1.033	NO	36.95		1.11	36.95
47	47 PCB-41/64/71/72	2.73e4	0.79	NO	1.12	5.007	33.48	33.48	1.053	1.053	NO	106.6		0.967	106.6
48	48 PCB-68	4.90e2	0.97	YES	1.19	5.007	33.77	33.76	1.062	1.061	NO	1.795		0.908	1.612
49	49 PCB-40	3.24e3	0.87	NO	0.572	5.007	34.00	33.97	1.069	1.068	NO	24.63		1.89	24.63
50	50 PCB-57	2.88e2	0.88	NO	1.08	5.007	34.34	34.34	0.970	0.970	NO	0.9089		0.755	0.9089
51	51 PCB-67	1.21e3	0.67	NO	1.02	5.007	34.65	34.65	0.978	0.978	NO	4.025		0.800	4.025
52	52 PCB-58	2.63e2	0.63	YES	1.08	5.007	34.76	34.78	0.982	0.982	NO	0.8246		0.751	0.7343
53	53 PCB-63	1.56e3	0.77	NO	0.971	5.007	34.93	34.92	0.986	0.986	NO	5.437		0.837	5.437
54	54 PCB-74	1.92e4	0.74	NO	1.09	5.007	35.22	35.23	0.994	0.995	NO	59.84		0.747	59.84
55	55 PCB-61/70	5.97e4	0.75	NO	0.978	5.007	35.44	35.44	1.000	1.001	NO	207.0		0.831	207.0
56	56 PCB-76/66	3.99e4	0.76	NO	1.07	5.007	35.64	35.66	1.006	1.007	NO	126.3		0.759	126.3
57	57 PCB-80			NO	1.08	5.007	35.89		1.001		YES			0.758	
58	58 PCB-55	1.51e2	0.84	NO	1.06	5.007	36.22	36.22	1.010	1.010	NO	0.4760		0.767	0.4760
59	59 PCB-56/60	2.11e4	0.75	NO	0.946	5.007	36.71	36.70	1.023	1.023	NO	74.77		0.864	74.77
60	60 PCB-79	1.69e3	0.82	NO	1.06	5.007	37.84	37.84	1.055	1.055	NO	5.353		0.771	5.353
61	61 PCB-78			NO	1.01	5.007	38.54		0.987		YES			0.862	
62	62 PCB-81	5.27e2	0.66	NO	0.941	5.007	39.08	39.10	1.000	1.001	NO	1.924		0.922	1.924
63	63 PCB-77	9.04e3	0.75	NO	1.03	5.007	39.70	39.70	1.000	1.000	NO	30.68		0.863	30.68
64	64 PCB-104			NO	0.982	5.007	32.50		1.001		YES			0.643	
65	65 PCB-96	7.59e2	1.07	YES	0.982	5.007	33.80	33.80	1.041	1.041	NO	3.136		0.643	2.658



Dataset: U:\VG11.PRO\Results\210517K2\210517K2-12.qld

Last Altered: Friday, June 04, 2021 1:12:11 PM Pacific Daylight Time  
Printed: Friday, June 04, 2021 1:14:16 PM Pacific Daylight Time

Name: 210517K2\_12, Date: 18-May-2021, Time: 01:54:16, ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
66	66 PCB-103	1.09e3	1.29	YES	0.770	5.007	34.38	34.36	1.059	1.058	NO	5.782		0.821	5.336
67	67 PCB-100	6.96e2	1.82	YES	0.805	5.007	34.73	34.71	1.069	1.069	NO	3.512		0.788	3.185
68	68 PCB-94	5.00e2	1.69	NO	0.831	5.007	35.19	35.21	0.985	0.985	NO	3.078		0.966	3.078
69	69 PCB-95/98/102	5.33e4	1.56	NO	1.07	5.007	35.68	35.75	0.999	1.001	NO	254.7		0.749	254.7
70	70 PCB-93	6.39e2	1.24	YES	0.761	5.007	35.81	35.83	1.002	1.003	NO	4.285		1.05	3.895
71	71 PCB-88/91	1.01e4	1.83	YES	0.910	5.007	36.16	36.16	1.012	1.012	NO	56.73		0.881	51.29
72	72 PCB-121	2.15e2	1.61	NO	1.46	5.007	36.27	36.24	1.015	1.014	NO	0.7501		0.548	0.7501
73	73 PCB-84/92	2.89e4	1.53	NO	0.826	5.007	37.09	37.11	0.990	0.991	NO	164.5		0.937	164.5
74	74 PCB-89	5.30e2	2.43	YES	0.885	5.007	37.27	37.28	0.995	0.995	NO	2.820		0.874	2.106
75	75 PCB-90/101	8.17e4	1.55	NO	0.905	5.007	37.48	37.50	1.000	1.001	NO	425.2		0.855	425.2
76	76 PCB-113	7.50e2	0.98	YES	1.26	5.007	37.73	37.76	1.007	1.008	NO	2.807		0.815	2.277
77	77 PCB-99	3.99e4	1.44	NO	0.993	5.007	37.82	37.84	1.010	1.010	NO	189.2		0.779	189.2
78	78 PCB-119	2.54e3	1.65	NO	1.53	5.007	38.30	38.30	0.987	0.987	NO	9.523		0.610	9.523
79	79 PCB-108/112	3.43e3	1.58	NO	1.25	5.007	38.46	38.49	0.991	0.992	NO	15.78		0.750	15.78
80	80 PCB-83			NO	1.56	5.007	38.62		0.995		YES			0.600	
81	81 PCB-97	2.22e4	1.49	NO	1.12	5.007	38.82	38.84	1.000	1.001	NO	113.3		0.831	113.3
82	82 PCB-86			NO	1.06	5.007	38.98		1.004		YES			0.883	
83	83 PCB-87/117/125	3.42e4	1.52	NO	1.34	5.007	39.12	39.14	1.008	1.009	NO	146.5		0.697	146.5
84	84 PCB-111/115	2.15e3	1.60	NO	1.62	5.007	39.27	39.27	1.012	1.012	NO	7.630		0.578	7.630
85	85 PCB-85/116	1.46e4	1.57	NO	1.23	5.007	39.40	39.40	1.015	1.015	NO	68.20		0.758	68.20
86	86 PCB-120			NO	1.79	5.007	39.64		1.022		YES			0.521	
87	87 PCB-110	1.23e5	1.55	NO	1.50	5.007	39.79	39.81	1.025	1.026	NO	470.1		0.623	470.1
88	88 PCB-82	7.58e3	1.47	NO	0.638	5.007	40.45	40.46	0.975	0.976	NO	45.97		0.977	45.97
89	89 PCB-124	5.29e3	1.52	NO	1.08	5.007	41.17	41.17	0.993	0.993	NO	18.98		0.578	18.98
90	90 PCB-107/109	8.13e3	1.54	NO	1.11	5.007	41.32	41.33	0.996	0.997	NO	28.38		0.562	28.38
91	91 PCB-123	3.23e3	1.44	NO	1.00	5.007	41.49	41.50	1.000	1.001	NO	12.50		0.623	12.50
92	92 PCB-106/118	1.16e5	1.49	NO	1.02	5.007	41.69	41.67	1.001	1.000	NO	434.4		0.602	434.4
93	93 PCB-114	4.09e3	1.51	NO	1.08	5.007	42.35	42.35	1.000	1.000	NO	16.79		1.29	16.79
94	94 PCB-122	1.09e3	1.21	YES	0.930	5.007	42.50	42.48	1.004	1.004	NO	5.240		1.50	4.700
95	95 PCB-105	4.79e4	1.55	NO	1.03	5.007	43.24	43.24	1.000	1.000	NO	204.0		1.33	204.0
96	96 PCB-127			NO	1.06	5.007	43.58		1.000		YES			1.27	
97	97 PCB-126	3.98e3	1.44	NO	1.15	5.007	45.55	45.57	1.000	1.001	NO	16.45		1.32	16.45
98	98 PCB-155			NO	0.853	5.007	37.02		1.000		YES			0.490	
99	99 PCB-150	2.46e2	1.29	NO	0.934	5.007	38.34	38.34	1.036	1.036	NO	1.208		0.447	1.208

Dataset: U:\VG11.PRO\Results\210517K2\210517K2-12.qld

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Name: 210517K2\_12, Date: 18-May-2021, Time: 01:54:16, ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
100	100 PCB-152			NO	1.02	5.007	38.82		1.049		YES			0.410	
101	101 PCB-145			NO	0.983	5.007	39.29		1.062		YES			0.425	
102	102 PCB-136	1.01e4	1.17	NO	0.881	5.007	39.62	39.60	1.071	1.070	NO	52.58		0.474	52.58
103	103 PCB-148			NO	0.666	5.007	39.74		1.074		YES			0.627	
104	104 PCB-154	1.17e3	1.12	NO	0.721	5.007	40.24	40.22	1.088	1.087	NO	7.422		0.580	7.422
105	105 PCB-151	1.35e4	1.28	NO	0.674	5.007	40.89	40.89	1.105	1.105	NO	91.36		0.620	91.36
106	106 PCB-135	7.86e3	1.26	NO	0.723	5.007	41.11	41.11	1.111	1.111	NO	49.74		0.578	49.74
107	107 PCB-144	2.46e3	1.68	YES	0.691	5.007	41.22	41.22	1.114	1.114	NO	16.28		0.604	13.62
108	108 PCB-147	2.24e3	1.24	NO	0.713	5.007	41.37	41.37	1.118	1.118	NO	14.37		0.586	14.37
109	109 PCB-139/149	5.51e4	1.25	NO	0.773	5.007	41.63	41.61	1.125	1.125	NO	326.3		0.541	326.3
110	110 PCB-140	5.73e2	1.97	YES	0.652	5.007	41.84	41.84	1.131	1.131	NO	4.022		0.641	3.033
111	111 PCB-134/143	3.66e3	1.31	NO	0.718	5.007	42.29	42.29	0.975	0.975	NO	25.22		2.03	25.22
112	112 PCB-131/133	2.41e3	1.51	YES	0.768	5.007	42.59	42.59	0.982	0.982	NO	15.52		1.90	13.86
113	113 PCB-142			NO	0.687	5.007	42.75		0.985		YES			2.12	
114	114 PCB-146/165	1.44e4	1.18	NO	0.943	5.007	42.99	42.99	0.991	0.991	NO	75.25		1.54	75.25
115	115 PCB-132/161	2.54e4	1.28	NO	0.957	5.007	43.24	43.28	0.997	0.997	NO	131.3		1.52	131.3
116	116 PCB-153	9.20e4	1.19	NO	0.990	5.007	43.43	43.41	1.001	1.000	NO	459.1		1.47	459.1
117	117 PCB-168			NO	1.03	5.007	43.64		1.006		YES			1.41	
118	118 PCB-141	1.38e4	1.28	NO	0.948	5.007	44.16	44.17	1.000	1.000	NO	84.01		1.79	84.01
119	119 PCB-137	4.96e3	1.34	NO	0.964	5.007	44.56	44.56	1.009	1.009	NO	29.79		1.76	29.79
120	120 PCB-130	5.21e3	1.38	NO	0.816	5.007	44.68	44.68	1.012	1.012	NO	36.98		2.08	36.98
121	121 PCB-138/163/164	1.16e5	1.24	NO	1.15	5.007	45.08	45.06	1.001	1.001	NO	548.9		1.40	548.9
122	122 PCB-158/160	1.33e4	1.18	NO	1.14	5.007	45.32	45.28	1.007	1.006	NO	63.64		1.42	63.64
123	123 PCB-129	3.80e3	0.90	YES	0.807	5.007	45.57	45.55	1.012	1.012	NO	25.61		2.01	21.88
124	124 PCB-166			NO	1.03	5.007	46.03		0.993		YES			1.38	
125	125 PCB-159			NO	1.10	5.007	46.36		1.000		YES			1.30	
126	126 PCB-128/162	1.86e4	1.22	NO	0.836	5.007	46.66	46.65	1.007	1.007	NO	104.6		1.70	104.6
127	127 PCB-167	6.11e3	1.38	NO	0.960	5.007	47.06	47.06	1.000	1.000	NO	28.84		1.45	28.84
128	128 PCB-156	1.88e4	1.34	NO	1.06	5.007	48.39	48.41	1.000	1.001	NO	85.18		1.44	85.18
129	129 PCB-157	6.92e3	1.19	NO	0.960	5.007	48.68	48.67	1.000	1.000	NO	32.93		1.53	32.93
130	130 PCB-169	3.00e3	1.43	YES	1.04	5.007	50.95	50.97	1.000	1.001	NO	13.66		1.48	12.76
131	131 PCB-188			NO	1.15	5.007	43.05		1.001		YES			0.623	
132	132 PCB-184			NO	1.14	5.007	43.49		1.011		YES			0.628	
133	133 PCB-179	1.08e4	0.98	NO	1.07	5.007	44.30	44.30	1.030	1.030	NO	50.97		0.666	50.97

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Name: 210517K2\_12, Date: 18-May-2021, Time: 01:54:16, ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
134	134 PCB-176	3.02e3	1.31	YES	1.11	5.007	44.77	44.77	1.041	1.041	NO	13.79		0.643	12.24
135	135 PCB-186			NO	1.23	5.007	45.43		1.056		YES			0.581	
136	136 PCB-178	4.71e3	1.02	NO	0.830	5.007	45.93	45.91	1.068	1.067	NO	28.80		0.862	28.80
137	137 PCB-175	6.98e2	0.81	YES	0.853	5.007	46.29	46.27	1.076	1.076	NO	4.157		0.839	3.624
138	138 PCB-182/187	2.71e4	1.03	NO	0.942	5.007	46.46	46.44	1.080	1.080	NO	146.0		0.760	146.0
139	139 PCB-183	1.11e4	1.01	NO	0.910	5.007	46.78	46.78	1.088	1.088	NO	62.03		0.787	62.03
140	140 PCB-185	1.98e3	1.01	NO	1.24	5.007	47.44	47.44	0.954	0.954	NO	12.00		0.883	12.00
141	141 PCB-174	1.89e4	1.06	NO	1.20	5.007	47.82	47.82	0.962	0.962	NO	118.9		0.913	118.9
142	142 PCB-181	3.46e2	1.06	NO	1.33	5.007	47.92	47.92	0.964	0.964	NO	1.956		0.822	1.956
143	143 PCB-177	1.01e4	0.91	NO	1.14	5.007	48.11	48.11	0.968	0.968	NO	66.67		0.958	66.67
144	144 PCB-171	4.85e3	1.18	NO	1.22	5.007	48.41	48.41	0.974	0.974	NO	29.97		0.898	29.97
145	145 PCB-173	3.12e2	0.63	YES	1.07	5.007	48.84	48.85	0.982	0.982	NO	2.198		1.02	1.653
146	146 PCB-172	3.30e3	1.08	NO	1.26	5.007	49.32	49.32	0.992	0.992	NO	19.77		0.870	19.77
147	147 PCB-192			NO	1.61	5.007	49.50		0.996		YES			0.678	
148	148 PCB-180	4.97e4	1.04	NO	1.30	5.007	49.74	49.74	1.000	1.000	NO	287.4		0.840	287.4
149	149 PCB-193	4.14e3	0.97	NO	1.47	5.007	49.95	49.94	1.005	1.005	NO	21.15		0.743	21.15
150	150 PCB-191	1.46e3	0.90	NO	1.51	5.007	50.21	50.21	1.010	1.010	NO	7.300		0.726	7.300
151	151 PCB-170	1.81e4	1.03	NO	1.23	5.007	51.39	51.38	1.000	1.000	NO	118.3		0.890	118.3
152	152 PCB-190	5.54e3	0.90	NO	1.61	5.007	51.58	51.57	1.004	1.004	NO	27.65		0.680	27.65
153	153 PCB-189	5.30e3	1.02	NO	1.27	5.007	53.05	53.05	1.000	1.000	NO	25.06		0.570	25.06
154	154 PCB-202	3.51e3	0.76	NO	0.995	5.007	48.64	48.62	1.001	1.000	NO	18.68		0.283	18.68
155	155 PCB-201	1.63e3	0.95	NO	0.904	5.007	49.13	49.13	1.011	1.011	NO	9.532		0.312	9.532
156	156 PCB-204			NO	0.955	5.007	49.29		1.014		YES			0.295	
157	157 PCB-197	3.57e2	0.98	NO	0.964	5.007	49.61	49.60	1.021	1.021	NO	1.964		0.292	1.964
158	158 PCB-200	1.53e3	0.91	NO	0.911	5.007	50.53	50.53	1.040	1.040	NO	8.910		0.309	8.910
159	159 PCB-198	6.10e2	1.23	YES	0.696	5.007	52.05	52.03	1.071	1.071	NO	4.642		0.405	3.935
160	160 PCB-199	1.14e4	0.82	NO	0.706	5.007	52.18	52.16	1.074	1.073	NO	85.57		0.399	85.57
161	161 PCB-196/203	1.16e4	0.84	NO	0.754	5.007	52.46	52.46	1.079	1.080	NO	81.46		0.374	81.46
162	162 PCB-195	2.72e3	0.99	NO	0.957	5.007	53.74	53.72	0.984	0.984	NO	21.92		0.909	21.92
163	163 PCB-194	7.76e3	0.90	NO	1.06	5.007	54.63	54.63	1.000	1.000	NO	56.40		0.820	56.40
164	164 PCB-205	4.37e2	0.89	NO	1.27	5.007	54.91	54.91	1.005	1.005	NO	2.655		0.686	2.655
165	165 PCB-208	2.25e3	1.20	NO	0.861	5.007	53.89	53.88	1.000	1.000	NO	14.97		0.466	14.97
166	166 PCB-207	9.63e2	1.53	NO	0.849	5.007	54.21	54.21	1.006	1.006	NO	6.488		0.472	6.488
167	167 PCB-206	4.44e3	1.46	NO	0.951	5.007	56.17	56.17	1.000	1.000	NO	40.65		0.634	40.65

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Name: 210517K2\_12, Date: 18-May-2021, Time: 01:54:16, ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R.	RRT	Check RRT	Conc.	%Rec	DL	EMPC
168	168 PCB-209	5.25e3	1.32	NO	0.863	5.007	57.35	57.37	1.000	1.000	NO	43.91		0.225	43.91
169	169 13C-PCB-1	7.28e5	3.30	NO	0.937	5.007	15.57	15.58	0.609	0.610	NO	1791	89.7	1.63	
170	170 13C-PCB-3	7.29e5	3.19	NO	0.934	5.007	18.20	18.22	0.712	0.713	NO	1802	90.2	1.64	
171	171 13C-PCB-4	4.44e5	1.59	NO	0.599	5.007	19.55	19.57	0.765	0.766	NO	1708	85.5	1.01	
172	172 13C-PCB-9	7.43e5	1.55	NO	0.960	5.007	21.38	21.38	0.837	0.837	NO	1786	89.4	0.631	
173	173 13C-PCB-11	7.10e5	1.55	NO	0.929	5.007	24.83	24.83	0.972	0.972	NO	1763	88.3	0.652	
174	174 13C-PCB-19	4.40e5	1.03	NO	0.506	5.007	23.78	23.80	0.931	0.931	NO	2004	100	11.5	
175	175 13C-PCB-32	6.23e5	0.99	NO	0.738	5.007	26.77	26.78	1.048	1.048	NO	1947	97.5	7.92	
176	176 13C-PCB-28	6.59e5	1.04	NO	1.06	5.007	28.77	28.79	1.003	1.004	NO	1721	86.2	6.44	
177	177 13C-PCB-37	6.27e5	1.04	NO	0.979	5.007	32.77	32.78	1.143	1.143	NO	1772	88.7	6.97	
178	178 13C-PCB-54	5.21e5	0.78	NO	0.981	5.007	27.62	27.64	0.753	0.753	NO	1645	82.3	1.66	
179	179 13C-PCB-52	4.38e5	0.79	NO	0.786	5.007	31.27	31.29	0.852	0.852	NO	1724	86.3	2.07	
180	180 13C-PCB-47	4.59e5	0.78	NO	0.833	5.007	31.79	31.81	0.866	0.867	NO	1706	85.4	1.95	
181	181 13C-PCB-70	5.89e5	0.78	NO	0.981	5.007	35.42	35.42	0.965	0.965	NO	1859	93.1	1.66	
182	182 13C-PCB-80	5.96e5	0.78	NO	1.01	5.007	35.86	35.86	0.977	0.977	NO	1822	91.2	1.60	
183	183 13C-PCB-81	5.82e5	0.79	NO	0.995	5.007	39.06	39.06	1.064	1.064	NO	1813	90.7	1.64	
184	184 13C-PCB-77	5.72e5	0.79	NO	0.977	5.007	39.68	39.68	1.081	1.081	NO	1813	90.8	1.67	
185	185 13C-PCB-104	4.92e5	1.57	NO	1.00	5.007	32.46	32.48	0.827	0.827	NO	1737	87.0	0.865	
186	186 13C-PCB-95	3.90e5	1.54	NO	0.779	5.007	35.72	35.73	0.910	0.910	NO	1777	89.0	1.11	
187	187 13C-PCB-101	4.24e5	1.56	NO	0.833	5.007	37.48	37.47	0.954	0.954	NO	1806	90.4	1.04	
188	188 13C-PCB-97	3.48e5	1.66	NO	0.679	5.007	38.81	38.81	0.988	0.988	NO	1819	91.1	1.28	
189	189 13C-PCB-123	5.16e5	1.60	NO	0.970	5.007	41.48	41.47	1.056	1.056	NO	1887	94.5	0.896	
190	190 13C-PCB-118	5.22e5	1.59	NO	1.00	5.007	41.65	41.65	1.061	1.061	NO	1849	92.6	0.868	
191	191 13C-PCB-114	4.48e5	1.52	NO	1.55	5.007	42.33	42.33	0.908	0.908	NO	1727	86.4	1.55	
192	192 13C-PCB-105	4.54e5	1.59	NO	1.59	5.007	43.21	43.22	0.927	0.927	NO	1698	85.0	1.51	
193	193 13C-PCB-127	4.79e5	1.56	NO	1.66	5.007	43.57	43.56	0.934	0.934	NO	1723	86.2	1.45	
194	194 13C-PCB-126	4.20e5	1.59	NO	1.65	5.007	45.52	45.53	0.976	0.976	NO	1522	76.2	1.46	
195	195 13C-PCB-155	4.36e5	1.25	NO	0.819	5.007	37.00	37.00	0.942	0.942	NO	1889	94.6	0.566	
196	196 13C-PCB-153	4.04e5	1.24	NO	1.31	5.007	43.39	43.39	0.930	0.931	NO	1835	91.9	2.24	
197	197 13C-PCB-141	3.45e5	1.27	NO	1.08	5.007	44.15	44.15	0.947	0.947	NO	1896	94.9	2.71	
198	198 13C-PCB-138	3.67e5	1.26	NO	1.15	5.007	45.01	45.02	0.965	0.965	NO	1898	95.0	2.55	
199	199 13C-PCB-159	4.26e5	1.26	NO	1.39	5.007	46.36	46.35	0.994	0.994	NO	1820	91.1	2.11	
200	200 13C-PCB-167	4.40e5	1.19	NO	1.43	5.007	47.06	47.05	1.009	1.009	NO	1840	92.1	2.06	
201	201 13C-PCB-156	4.15e5	1.31	NO	1.34	5.007	48.39	48.37	1.038	1.037	NO	1847	92.5	2.19	

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Name: 210517K2\_12, Date: 18-May-2021, Time: 01:54:16, ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R..	RRT	Check RRT	Conc.	%Rec	DL	EMPC
202	202 13C-PCB-157	4.37e5	1.32	NO	1.36	5.007	48.68	48.66	1.044	1.043	NO	1916	95.9	2.16	
203	203 13C-PCB-169	4.15e5	1.24	NO	1.33	5.007	50.95	50.93	1.093	1.092	NO	1858	93.0	2.20	
204	204 13C-PCB-188	3.93e5	0.45	NO	1.39	5.007	42.99	43.01	0.926	0.926	NO	1888	94.5	1.73	
205	205 13C-PCB-180	2.66e5	0.43	NO	0.907	5.007	49.72	49.72	1.071	1.071	NO	1955	97.9	2.65	
206	206 13C-PCB-170	2.49e5	0.44	NO	0.823	5.007	51.36	51.37	1.106	1.106	NO	2017	101	2.92	
207	207 13C-PCB-189	3.32e5	0.43	NO	1.08	5.007	53.01	53.03	1.141	1.142	NO	2060	103	2.23	
208	208 13C-PCB-202	3.77e5	0.91	NO	1.23	5.007	48.60	48.60	1.046	1.046	NO	2043	102	1.51	
209	209 13C-PCB-194	2.59e5	0.91	NO	0.710	5.007	54.61	54.62	0.995	0.995	NO	2086	104	4.26	
210	210 13C-PCB-208	3.49e5	0.81	NO	0.865	5.007	53.82	53.87	0.980	0.981	NO	2305	115	4.14	
211	211 13C-PCB-206	2.29e5	0.80	NO	0.623	5.007	56.19	56.15	1.024	1.023	NO	2104	105	5.75	
212	212 13C-PCB-209	2.77e5	1.19	NO	0.725	5.007	57.39	57.35	1.046	1.045	NO	2183	109	0.542	
213	213 13C-PCB-15	8.66e5	1.58	NO	1.00	5.007	25.53	25.55	1.000	0.000	NO	1997	100	0.606	
214	214 13C-PCB-31	7.22e5	1.06	NO	1.00	5.007	28.67	28.68	1.000	0.000	NO	1997	100	6.82	
215	215 13C-PCB-60	6.45e5	0.77	NO	1.00	5.007	36.69	36.70	1.000	0.000	NO	1997	100	1.63	
216	216 13C-PCB-111	5.63e5	1.58	NO	1.00	5.007	39.26	39.27	1.000	0.000	NO	1997	100	0.869	
217	217 13C-PCB-128	3.35e5	1.24	NO	1.00	5.007	46.63	46.63	1.000	0.000	NO	1997	100	2.94	
218	218 13C-PCB-182	2.99e5	0.44	NO	1.00	5.007	46.44	46.44	0.000	0.000	NO	1997	100	2.40	
219	219 13C-PCB-205	3.50e5	0.90	NO	1.00	5.007	54.93	54.89	1.000	0.000	NO	1997	100	3.02	
220	220 13C-PCB-79	6.31e5	0.78	NO	1.04	5.007	37.81	37.80	1.030	1.030	NO	1887	94.5	1.57	
221	221 13C-PCB-178	2.56e5	0.46	NO	0.774	5.007	45.88	45.89	0.988	0.988	NO	1966	98.4	2.74	
222	222 13C-PCB-79	6.31e5	0.78	NO	1.04	5.007	37.79	37.80	0.967	0.968	NO	2079	104	1.79	
223	223 13C-PCB-178	2.56e5	0.46	NO	1.02	5.007	45.87	45.89	0.923	0.923	NO	1888	94.5	2.73	
224	224 Total Mono-PCBs				1.00	5.007	0.00		0.000		NO	26.08		0.799	26.08
225	225 Total Di-PCBs				1.04	5.007	0.00		0.000		NO	114.6		10.1	122.7
226	226 2nd Function Tri...				0.943	5.007	0.00		0.000		NO	110.2	405.8 -	3.09	110.2
227	227 3rd Function Tri...				0.969	5.007	0.00		0.000		NO	295.6		9.06	306.4
228	228 Total Tetra-PCBs				0.991	5.007	0.00		0.000		NO	1253		32.3	1257
229	229 3rd Function Pen...				1.11	5.007	0.00		0.000		NO	2409	2,646.2 -	21.3	2480
230	230 4th Function Pent...				1.05	5.007	0.00		0.000		NO	237.2		6.70	241.9
231	231 3rd Function Hex...				0.791	5.007	0.00		0.000		NO	543.0	2,249 -	7.02	559.7
232	232 4th Function Hex...				0.946	5.007	0.00		0.000		NO	1706		32.7	1754
233	233 Total Hepta-PCBs				1.20	5.007	0.00		0.000		NO	1024		17.9	1041
234	234 4th Function Oct...				0.860	5.007	0.00		0.000		NO	206.1		2.67	210.0
235	235 5th Function Oct...				1.10	5.007	0.00		0.000		NO	80.97	207.07 -	2.41	80.97

Dataset: U:\VG11.PRO\Results\210517K2\210517K2-12.qld

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Name: 210517K2\_12, Date: 18-May-2021, Time: 01:54:16, ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
236	236 Total Nona-PCBs				0.887	5.007	0.00		0.000		NO	62.11		1.57	62.11
237	237 Deca-CB				0.863	5.007	0.00		0.000		NO	43.91		0.225	43.91
238	238 Total PCBs														

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Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_5-17-21.mdb 17 May 2021 16:25:28

Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 18:49:42

ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

**Total Mono-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-1	15.59	15.60	2.607e4	8.387e3	1.459e3	5.196e2	2.81	NO	1.979e3	5.5092	5.5092	0.261
2	PCB-2	18.00	18.00	5.731e4	1.955e4	3.327e3	1.250e3	2.66	NO	4.577e3	12.264	12.264	0.266
3	PCB-3	18.23	18.23	3.640e4	1.138e4	2.246e3	7.958e2	2.82	NO	3.042e3	8.3093	8.3093	0.271

**Total Di-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-4/10	19.65	19.59	3.082e4	2.081e4	1.954e3	1.467e3	1.33	NO	3.420e3	12.747	12.747	1.54
2	PCB-6	22.09	22.09	3.509e4	2.107e4	2.185e3	1.171e3	1.87	YES	3.356e3	0.00000	8.0867	1.16
3	PCB-5/8	22.50	22.49	1.029e5	6.343e4	6.427e3	4.575e3	1.40	NO	1.100e4	30.313	30.313	1.18
4	PCB-11	24.85	24.85	1.374e5	9.220e4	8.846e3	6.074e3	1.46	NO	1.492e4	37.594	37.594	1.16
5	PCB-15	25.56	25.57	9.771e4	6.936e4	7.333e3	4.953e3	1.48	NO	1.229e4	33.972	33.972	1.27

**2nd Function Tri-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-19	23.83	23.82	1.598e4	1.521e4	1.074e3	9.672e2	1.11	NO	2.042e3	9.5335	9.5335	0.598
2	PCB-18	25.50	25.49	7.350e4	7.187e4	4.823e3	4.721e3	1.02	NO	9.544e3	42.538	42.538	0.570
3	PCB-17	25.66	25.67	3.611e4	3.434e4	2.454e3	2.295e3	1.07	NO	4.749e3	22.669	22.669	0.610
4	PCB-24/27	26.24	26.24	1.134e4	1.012e4	8.288e2	6.951e2	1.19	NO	1.524e3	5.2406	5.2406	0.440
5	PCB-16/32	26.80	26.80	4.137e4	3.925e4	3.828e3	3.952e3	0.97	NO	7.780e3	30.259	30.259	0.497

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ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

3rd Function Tri-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-26	28.18	28.18	3.717e4	3.865e4	2.858e3	2.873e3	0.99	NO	5.731e3	18.981	18.981	0.658
2	PCB-25	28.34	28.33	2.265e4	1.835e4	1.819e3	1.479e3	1.23	YES	3.298e3	0.00000	9.9828	0.658
3	PCB-31	28.72	28.70	1.637e5	1.606e5	1.227e4	1.184e4	1.04	NO	2.411e4	70.893	70.893	0.584
4	PCB-28	28.81	28.81	2.097e5	1.983e5	1.560e4	1.453e4	1.07	NO	3.013e4	90.002	90.002	0.594
5	PCB-20/21/33	29.45	29.46	9.048e4	8.104e4	7.210e3	6.429e3	1.12	NO	1.364e4	45.272	45.272	0.660
6	PCB-22	29.91	29.89	6.057e4	5.465e4	4.423e3	4.310e3	1.03	NO	8.732e3	27.907	27.907	0.635
7	PCB-39	31.01	31.03	2.207e3	2.446e3	1.266e2	1.499e2	0.84	YES	2.765e2	0.00000	0.78834	0.665
8	PCB-38	31.80	31.79	3.266e3	3.610e3	8.103e1	7.589e1	1.07	NO	1.569e2	0.47598	0.47598	0.635
9	PCB-35	32.35	32.37	5.944e3	5.394e3	4.286e2	4.131e2	1.04	NO	8.418e2	2.5619	2.5619	0.637
10	PCB-37	32.79	32.81	7.690e4	8.082e4	6.395e3	6.350e3	1.01	NO	1.274e4	39.488	39.488	0.649



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ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

Total Tetra-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-54	27.66	27.66	2.394e3	2.817e3	1.803e2	1.913e2	0.94	YES	3.715e2	0.00000	1.3325	0.949
2	PCB-50	28.88	28.83	1.388e3	1.541e3	8.296e1	1.123e2	0.74	NO	1.953e2	0.93293	0.93293	1.15
3	PCB-53	29.53	29.52	1.909e4	2.901e4	1.519e3	2.141e3	0.71	NO	3.660e3	17.792	17.792	1.21
4	PCB-51	29.89	29.87	1.080e4	1.394e4	7.791e2	1.062e3	0.73	NO	1.841e3	8.4070	8.4070	1.13
5	PCB-45	30.34	30.32	1.328e4	2.276e4	1.093e3	1.603e3	0.68	NO	2.696e3	15.334	15.334	1.41
6	PCB-46	30.84	30.82	5.031e3	7.094e3	4.021e2	5.891e2	0.68	NO	9.912e2	5.8729	5.8729	1.47
7	PCB-52/69	31.32	31.31	2.661e5	3.516e5	2.011e4	2.682e4	0.75	NO	4.693e4	197.93	197.93	1.05
8	PCB-43/49	31.61	31.62	1.275e5	1.694e5	9.970e3	1.332e4	0.75	NO	2.329e4	114.91	114.91	1.22
9	PCB-47	31.83	31.83	5.365e4	6.800e4	4.418e3	5.556e3	0.80	NO	9.973e3	50.355	50.355	1.25
10	PCB-48/75	31.96	31.96	2.493e4	3.441e4	1.862e3	2.691e3	0.69	NO	4.553e3	19.108	19.108	1.04
11	PCB-44	32.65	32.65	1.354e5	1.784e5	1.026e4	1.363e4	0.75	NO	2.390e4	137.39	137.39	1.43
12	PCB-42/59	32.89	32.87	4.161e4	5.753e4	3.512e3	4.757e3	0.74	NO	8.269e3	36.953	36.953	1.11
13	PCB-41/64/71/72	33.48	33.48	1.443e5	1.768e5	1.209e4	1.523e4	0.79	NO	2.732e4	106.61	106.61	0.967
14	PCB-68	33.77	33.76	2.770e3	3.428e3	2.415e2	2.486e2	0.97	YES	4.901e2	0.00000	1.6117	0.908
15	PCB-40	34.00	33.97	1.729e4	2.273e4	1.510e3	1.727e3	0.87	NO	3.237e3	24.633	24.633	1.89
16	PCB-57	34.34	34.34	1.608e3	1.769e3	1.354e2	1.531e2	0.88	NO	2.884e2	0.90889	0.90889	0.755
17	PCB-67	34.65	34.65	6.297e3	8.372e3	4.852e2	7.203e2	0.67	NO	1.206e3	4.0247	4.0247	0.800
18	PCB-58	34.76	34.78	1.343e3	2.138e3	1.019e2	1.611e2	0.63	YES	2.630e2	0.00000	0.73433	0.751
19	PCB-63	34.93	34.92	8.070e3	1.143e4	6.787e2	8.770e2	0.77	NO	1.556e3	5.4368	5.4368	0.837
20	PCB-74	35.22	35.23	1.027e5	1.372e5	8.142e3	1.104e4	0.74	NO	1.918e4	59.842	59.842	0.747
21	PCB-61/70	35.44	35.44	3.311e5	4.440e5	2.558e4	3.411e4	0.75	NO	5.969e4	207.04	207.04	0.831
22	PCB-76/66	35.64	35.66	2.166e5	2.903e5	1.723e4	2.265e4	0.76	NO	3.989e4	126.34	126.34	0.759
23	PCB-55	36.22	36.22	2.470e3	2.699e3	6.911e1	8.221e1	0.84	NO	1.513e2	0.47601	0.47601	0.767
24	PCB-56/60	36.71	36.70	1.142e5	1.485e5	9.066e3	1.205e4	0.75	NO	2.111e4	74.773	74.773	0.864
25	PCB-79	37.84	37.84	1.092e4	1.063e4	7.649e2	9.275e2	0.82	NO	1.692e3	5.3528	5.3528	0.771
26	PCB-81	39.08	39.10	7.239e3	9.394e3	2.105e2	3.168e2	0.66	NO	5.273e2	1.9238	1.9238	0.922
27	PCB-77	39.70	39.70	3.884e4	5.565e4	3.885e3	5.155e3	0.75	NO	9.040e3	30.676	30.676	0.863

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ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

3rd Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-96	33.80	33.80	5.531e3	4.508e3	3.919e2	3.668e2	1.07	YES	7.588e2	0.00000	2.6582	0.643
2	PCB-103	34.38	34.36	8.064e3	5.874e3	6.162e2	4.759e2	1.29	YES	1.092e3	0.00000	5.3357	0.821
3	PCB-100	34.73	34.71	5.901e3	3.812e3	4.494e2	2.466e2	1.82	YES	6.960e2	0.00000	3.1852	0.785
4	PCB-94	35.19	35.21	3.395e3	2.448e3	3.140e2	1.856e2	1.69	NO	4.997e2	3.0782	3.0782	0.966
5	PCB-95/98/102	35.68	35.75	4.230e5	2.677e5	3.246e4	2.083e4	1.56	NO	5.329e4	254.69	254.69	0.749
6	PCB-93	35.81	35.83	2.229e4	1.699e4	3.532e2	2.859e2	1.24	YES	6.391e2	0.00000	3.8955	1.05
7	PCB-88/91	36.16	36.16	8.050e4	4.655e4	6.526e3	3.564e3	1.83	YES	1.009e4	0.00000	51.294	0.881
8	PCB-121	36.27	36.24	6.574e3	2.926e3	1.326e2	8.217e1	1.61	NO	2.147e2	0.75010	0.75010	0.548
9	PCB-84/92	37.09	37.11	2.194e5	1.436e5	1.743e4	1.143e4	1.53	NO	2.885e4	164.54	164.54	0.937
10	PCB-89	37.27	37.28	5.405e3	2.071e3	3.754e2	1.546e2	2.43	YES	5.301e2	0.00000	2.1062	0.874
11	PCB-90/101	37.48	37.50	6.290e5	4.087e5	4.963e4	3.208e4	1.55	NO	8.171e4	425.22	425.22	0.855
12	PCB-113	37.73	37.76	1.662e4	2.035e4	3.709e2	3.793e2	0.98	YES	7.502e2	0.00000	2.2772	0.615
13	PCB-99	37.82	37.84	3.064e5	2.070e5	2.356e4	1.635e4	1.44	NO	3.991e4	189.22	189.22	0.779
14	PCB-119	38.30	38.30	1.861e4	1.160e4	1.581e3	9.592e2	1.65	NO	2.541e3	9.5226	9.5226	0.610
15	PCB-108/112	38.46	38.49	2.706e4	1.622e4	2.101e3	1.327e3	1.58	NO	3.428e3	15.781	15.781	0.750
16	PCB-97	38.82	38.84	1.729e5	1.171e5	1.329e4	8.909e3	1.49	NO	2.219e4	113.30	113.30	0.831
17	PCB-87/117/125	39.12	39.14	2.545e5	1.666e5	2.066e4	1.356e4	1.52	NO	3.422e4	146.49	146.49	0.697
18	PCB-111/115	39.27	39.27	1.882e4	1.051e4	1.324e3	8.265e2	1.60	NO	2.150e3	7.6299	7.6299	0.578
19	PCB-85/116	39.40	39.40	1.153e5	7.406e4	8.944e3	5.704e3	1.57	NO	1.465e4	68.196	68.196	0.758
20	PCB-110	39.79	39.81	9.783e5	6.393e5	7.463e4	4.826e4	1.55	NO	1.229e5	470.09	470.09	0.623
21	PCB-82	40.45	40.46	5.965e4	3.860e4	4.509e3	3.066e3	1.47	NO	7.575e3	45.971	45.971	0.977
22	PCB-124	41.17	41.17	3.527e4	2.279e4	3.193e3	2.098e3	1.52	NO	5.291e3	18.983	18.983	0.578
23	PCB-107/109	41.32	41.33	6.022e4	3.959e4	4.931e3	3.199e3	1.54	NO	8.130e3	28.380	28.380	0.562
24	PCB-123	41.49	41.50	2.166e4	1.598e4	1.905e3	1.326e3	1.44	NO	3.231e3	12.497	12.497	0.623
25	PCB-106/118	41.69	41.67	8.779e5	5.863e5	6.950e4	4.653e4	1.49	NO	1.160e5	434.44	434.44	0.602

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ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

4th Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-114	42.35	42.35	2.380e4	1.658e4	2.459e3	1.627e3	1.51	NO	4.087e3	16.794	16.794	1.29
2	PCB-122	42.50	42.48	7.657e3	6.495e3	5.982e2	4.962e2	1.21	YES	1.094e3	0.00000	4.6999	1.50
3	PCB-105	43.24	43.24	3.609e5	2.350e5	2.911e4	1.882e4	1.55	NO	4.793e4	203.97	203.97	1.33
4	PCB-126	45.55	45.57	2.419e4	1.886e4	2.351e3	1.631e3	1.44	NO	3.982e3	16.450	16.450	1.32

3rd Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-150	38.34	38.34	1.665e3	1.480e3	1.387e2	1.077e2	1.29	NO	2.464e2	1.2075	1.2075	0.447
2	PCB-136	39.62	39.60	7.017e4	5.710e4	5.467e3	4.652e3	1.17	NO	1.012e4	52.577	52.577	0.474
3	PCB-154	40.24	40.22	7.407e3	7.793e3	6.179e2	5.506e2	1.12	NO	1.168e3	7.4222	7.4222	0.580
4	PCB-151	40.89	40.89	9.924e4	7.902e4	7.545e3	5.907e3	1.28	NO	1.345e4	91.359	91.359	0.620
5	PCB-135	41.11	41.11	5.256e4	4.285e4	4.378e3	3.478e3	1.26	NO	7.856e3	49.741	49.741	0.578
6	PCB-144	41.22	41.22	2.162e4	1.299e4	1.541e3	9.187e2	1.68	YES	2.459e3	0.00000	13.624	0.604
7	PCB-147	41.37	41.37	1.722e4	1.213e4	1.241e3	9.974e2	1.24	NO	2.238e3	14.375	14.375	0.586
8	PCB-139/149	41.63	41.61	3.772e5	3.021e5	3.063e4	2.448e4	1.25	NO	5.511e4	326.32	326.32	0.541
9	PCB-140	41.84	41.84	5.143e3	2.773e3	3.802e2	1.930e2	1.97	YES	5.731e2	0.00000	3.0335	0.641

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## 4th Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-134/143	42.29	42.29	2.585e4	1.775e4	2.075e3	1.589e3	1.31	NO	3.665e3	25.224	25.224	2.03
2	PCB-131/133	42.59	42.59	1.829e4	1.183e4	1.451e3	9.616e2	1.51	YES	2.412e3	0.00000	13.861	1.90
3	PCB-146/165	42.99	42.99	1.031e5	8.688e4	7.791e3	6.581e3	1.18	NO	1.437e4	75.255	75.255	1.54
4	PCB-132/161	43.24	43.28	1.769e5	1.330e5	1.428e4	1.116e4	1.28	NO	2.543e4	131.27	131.27	1.52
5	PCB-153	43.43	43.41	6.405e5	5.430e5	4.996e4	4.206e4	1.19	NO	9.202e4	459.11	459.11	1.47
6	PCB-141	44.16	44.17	9.684e4	7.545e4	7.729e3	6.026e3	1.28	NO	1.376e4	84.014	84.014	1.79
7	PCB-137	44.56	44.56	3.358e4	2.595e4	2.833e3	2.122e3	1.34	NO	4.955e3	29.787	29.787	1.76
8	PCB-130	44.68	44.68	3.789e4	2.932e4	3.025e3	2.188e3	1.38	NO	5.212e3	36.977	36.977	2.08
9	PCB-138/163/164	45.08	45.06	6.920e5	5.544e5	6.439e4	5.204e4	1.24	NO	1.164e5	548.87	548.87	1.40
10	PCB-158/160	45.32	45.28	9.279e4	7.859e4	7.204e3	6.110e3	1.18	NO	1.331e4	63.641	63.641	1.42
11	PCB-129	45.57	45.55	2.375e4	2.396e4	1.796e3	2.001e3	0.90	YES	3.797e3	0.00000	21.880	2.01
12	PCB-128/162	46.66	46.65	1.261e5	1.032e5	1.023e4	8.413e3	1.22	NO	1.864e4	104.61	104.61	1.70
13	PCB-167	47.06	47.06	4.188e4	3.196e4	3.536e3	2.570e3	1.38	NO	6.106e3	28.839	28.839	1.45
14	PCB-156	48.39	48.41	1.204e5	8.996e4	1.077e4	8.040e3	1.34	NO	1.881e4	85.180	85.180	1.44
15	PCB-157	48.68	48.67	3.191e4	2.987e4	3.761e3	3.155e3	1.19	NO	6.916e3	32.929	32.929	1.53
16	PCB-169	50.95	50.97	1.685e4	1.022e4	1.765e3	1.232e3	1.43	YES	2.997e3	0.00000	12.763	1.48

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**Total Hepta-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-179	44.30	44.30	6.521e4	6.827e4	5.326e3	5.459e3	0.98	NO	1.078e4	50.967	50.967	0.666
2	PCB-176	44.77	44.77	2.272e4	1.674e4	1.715e3	1.308e3	1.31	YES	3.023e3	0.00000	12.239	0.643
3	PCB-178	45.93	45.91	2.775e4	2.907e4	2.375e3	2.332e3	1.02	NO	4.708e3	28.799	28.799	0.862
4	PCB-175	46.29	46.27	4.049e3	5.828e3	3.117e2	3.865e2	0.81	YES	6.982e2	0.00000	3.6242	0.839
5	PCB-182/187	46.46	46.44	1.666e5	1.630e5	1.377e4	1.331e4	1.03	NO	2.708e4	146.00	146.00	0.760
6	PCB-183	46.78	46.78	6.888e4	6.551e4	5.586e3	5.530e3	1.01	NO	1.112e4	62.030	62.030	0.787
7	PCB-185	47.44	47.44	1.220e4	1.296e4	9.923e2	9.833e2	1.01	NO	1.976e3	11.997	11.997	0.883
8	PCB-174	47.82	47.82	1.221e5	1.156e5	9.752e3	9.189e3	1.06	NO	1.894e4	118.88	118.88	0.913
9	PCB-181	47.92	47.92	5.690e3	3.605e3	1.779e2	1.679e2	1.06	NO	3.458e2	1.9559	1.9559	0.822
10	PCB-177	48.11	48.11	6.031e4	6.542e4	4.824e3	5.293e3	0.91	NO	1.012e4	66.665	66.665	0.958
11	PCB-171	48.41	48.41	3.478e4	2.803e4	2.627e3	2.226e3	1.18	NO	4.853e3	29.973	29.973	0.898
12	PCB-173	48.84	48.85	1.333e3	2.065e3	1.202e2	1.919e2	0.63	YES	3.121e2	0.00000	1.6532	1.02
13	PCB-172	49.32	49.32	2.302e4	1.897e4	1.714e3	1.591e3	1.08	NO	3.305e3	19.770	19.770	0.870
14	PCB-180	49.74	49.74	3.188e5	2.951e5	2.533e4	2.439e4	1.04	NO	4.972e4	287.35	287.35	0.840
15	PCB-193	49.95	49.94	2.057e4	2.232e4	2.041e3	2.096e3	0.97	NO	4.137e3	21.145	21.145	0.743
16	PCB-191	50.21	50.21	7.647e3	8.214e3	6.907e2	7.710e2	0.90	NO	1.462e3	7.2998	7.2998	0.726
17	PCB-170	51.39	51.38	1.251e5	1.159e5	9.217e3	8.906e3	1.03	NO	1.812e4	118.27	118.27	0.890
18	PCB-190	51.58	51.57	3.393e4	3.828e4	2.618e3	2.922e3	0.90	NO	5.540e3	27.653	27.653	0.680
19	PCB-189	53.05	53.05	3.150e4	2.983e4	2.672e3	2.625e3	1.02	NO	5.297e3	25.055	25.055	0.570

**4th Function Octa-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-202	48.64	48.62	2.002e4	2.603e4	1.512e3	1.995e3	0.76	NO	3.507e3	18.675	18.675	0.283
2	PCB-201	49.13	49.13	9.645e3	9.399e3	7.904e2	8.360e2	0.95	NO	1.626e3	9.5321	9.5321	0.312
3	PCB-197	49.61	49.60	2.672e3	2.868e3	1.765e2	1.808e2	0.98	NO	3.573e2	1.9636	1.9636	0.292
4	PCB-200	50.53	50.53	1.015e4	9.956e3	7.303e2	8.025e2	0.91	NO	1.533e3	8.9104	8.9104	0.309
5	PCB-198	52.05	52.03	4.319e3	4.196e3	3.362e2	2.734e2	1.23	YES	6.097e2	0.00000	3.9348	0.405
6	PCB-199	52.18	52.16	6.762e4	8.551e4	5.122e3	6.282e3	0.82	NO	1.140e4	85.571	85.571	0.399
7	PCB-196/203	52.46	52.46	7.458e4	8.784e4	5.311e3	6.291e3	0.84	NO	1.160e4	81.458	81.458	0.374

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5th Function Octa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-195	53.74	53.72	2.125e4	2.334e4	1.355e3	1.368e3	0.99	NO	2.722e3	21.917	21.917	0.909
2	PCB-194	54.63	54.63	6.557e4	7.118e4	3.683e3	4.081e3	0.90	NO	7.763e3	56.403	56.403	0.820
3	PCB-205	54.91	54.91	3.362e3	3.442e3	2.060e2	2.312e2	0.89	NO	4.372e2	2.6547	2.6547	0.686

Total Nona-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-208	53.89	53.88	2.216e4	1.695e4	1.229e3	1.023e3	1.20	NO	2.251e3	14.971	14.971	0.466
2	PCB-207	54.21	54.21	9.623e3	6.696e3	5.819e2	3.811e2	1.53	NO	9.630e2	6.4879	6.4879	0.472
3	PCB-206	56.17	56.17	4.432e4	3.024e4	2.637e3	1.801e3	1.46	NO	4.438e3	40.647	40.647	0.634

Deca-CB

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-209	57.35	57.37	5.659e4	4.408e4	2.984e3	2.268e3	1.32	NO	5.252e3	43.909	43.909	0.225

Total PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1													

Total Mono-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-1	15.57	15.58	9.746e6	2.966e6	5.585e5	1.693e5	3.30	NO	7.278e5	1791.5		1.63
2	13C-PCB-3	18.20	18.22	9.153e6	2.783e6	5.553e5	1.741e5	3.19	NO	7.294e5	1802.0		1.64

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**Total Di-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-4	19.55	19.57	4.565e6	2.789e6	2.725e5	1.713e5	1.59	NO	4.439e5	1708.3		1.01
2	13C-PCB-9	21.38	21.38	7.293e6	4.664e6	4.518e5	2.911e5	1.55	NO	7.430e5	1785.7		0.631
3	13C-PCB-11	24.83	24.83	6.505e6	4.195e6	4.322e5	2.782e5	1.55	NO	7.104e5	1763.4		0.652
4	13C-PCB-15	25.53	25.55	8.097e6	5.110e6	5.303e5	3.357e5	1.58	NO	8.660e5	1997.4		0.606

**2nd Function Tri-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-19	23.78	23.80	3.406e6	3.309e6	2.230e5	2.170e5	1.03	NO	4.400e5	2004.0		11.5
2	13C-PCB-32	26.77	26.78	4.737e6	4.828e6	3.097e5	3.133e5	0.99	NO	6.229e5	1947.1		7.92

**3rd Function Tri-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-31	28.67	28.68	4.973e6	4.630e6	3.722e5	3.500e5	1.06	NO	7.222e5	1997.4		6.82
2	13C-PCB-28	28.77	28.79	4.532e6	4.299e6	3.361e5	3.232e5	1.04	NO	6.593e5	1721.1		6.44
3	13C-PCB-37	32.77	32.78	4.096e6	3.946e6	3.201e5	3.071e5	1.04	NO	6.272e5	1772.2		6.97

**Tetra-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-54	27.62	27.64	2.978e6	3.817e6	2.282e5	2.927e5	0.78	NO	5.209e5	1644.5		1.66
2	13C-PCB-52	31.27	31.29	2.449e6	3.128e6	1.930e5	2.446e5	0.79	NO	4.376e5	1723.8		2.07
3	13C-PCB-47	31.79	31.81	2.545e6	3.286e6	2.005e5	2.582e5	0.78	NO	4.587e5	1706.1		1.95
4	13C-PCB-70	35.42	35.42	3.387e6	4.361e6	2.578e5	3.309e5	0.78	NO	5.887e5	1858.7		1.66
5	13C-PCB-80	35.86	35.86	3.380e6	4.254e6	2.620e5	3.344e5	0.78	NO	5.964e5	1822.3		1.60
6	13C-PCB-60	36.69	36.70	3.622e6	4.680e6	2.811e5	3.637e5	0.77	NO	6.448e5	1997.4		1.63
7	13C-PCB-79	37.81	37.80	3.592e6	4.527e6	2.774e5	3.536e5	0.78	NO	6.310e5	1887.1		1.57
8	13C-PCB-81	39.06	39.06	3.190e6	4.069e6	2.562e5	3.259e5	0.79	NO	5.821e5	1812.6		1.64
9	13C-PCB-77	39.68	39.68	3.116e6	3.986e6	2.519e5	3.197e5	0.79	NO	5.717e5	1812.9		1.67

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3rd Function Penta-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-104	32.46	32.48	4.007e6	2.540e6	3.008e5	1.911e5	1.57	NO	4.919e5	1737.1		0.865
2	13C-PCB-95	35.72	35.73	3.130e6	2.028e6	2.369e5	1.534e5	1.54	NO	3.903e5	1776.8		1.11
3	13C-PCB-101	37.48	37.47	3.256e6	2.098e6	2.583e5	1.658e5	1.56	NO	4.241e5	1806.4		1.04
4	13C-PCB-97	38.81	38.81	2.762e6	1.696e6	2.172e5	1.311e5	1.66	NO	3.483e5	1819.1		1.28
5	13C-PCB-111	39.26	39.27	4.394e6	2.776e6	3.447e5	2.184e5	1.58	NO	5.631e5	1997.4		0.869
6	13C-PCB-123	41.48	41.47	4.089e6	2.532e6	3.178e5	1.984e5	1.60	NO	5.162e5	1887.3		0.896
7	13C-PCB-118	41.65	41.65	4.127e6	2.615e6	3.205e5	2.012e5	1.59	NO	5.217e5	1848.7		0.868

4th Function Penta-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-114	42.33	42.33	3.446e6	2.242e6	2.705e5	1.780e5	1.52	NO	4.485e5	1726.6		1.55
2	13C-PCB-105	43.21	43.22	3.537e6	2.201e6	2.784e5	1.754e5	1.59	NO	4.537e5	1698.1		1.51
3	13C-PCB-127	43.57	43.56	3.628e6	2.301e6	2.923e5	1.870e5	1.56	NO	4.794e5	1722.7		1.45
4	13C-PCB-126	45.52	45.53	3.222e6	2.054e6	2.580e5	1.621e5	1.59	NO	4.201e5	1521.7		1.46

4th Function Hexa-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-153	43.39	43.39	2.885e6	2.328e6	2.237e5	1.806e5	1.24	NO	4.043e5	1835.2		2.24
2	13C-PCB-141	44.15	44.15	2.495e6	1.991e6	1.926e5	1.522e5	1.27	NO	3.449e5	1896.0		2.71
3	13C-PCB-138	45.01	45.02	2.610e6	2.048e6	2.048e5	1.624e5	1.26	NO	3.672e5	1898.4		2.55
4	13C-PCB-159	46.36	46.35	2.970e6	2.330e6	2.370e5	1.887e5	1.26	NO	4.257e5	1819.6		2.11
5	13C-PCB-128	46.63	46.63	2.369e6	1.864e6	1.858e5	1.495e5	1.24	NO	3.352e5	1997.4		2.94
6	13C-PCB-167	47.06	47.05	2.962e6	2.494e6	2.391e5	2.013e5	1.19	NO	4.404e5	1839.9		2.06
7	13C-PCB-156	48.39	48.37	2.817e6	2.177e6	2.352e5	1.800e5	1.31	NO	4.152e5	1847.5		2.19
8	13C-PCB-157	48.68	48.66	2.940e6	2.295e6	2.483e5	1.887e5	1.32	NO	4.370e5	1916.1		2.16
9	13C-PCB-169	50.95	50.93	2.730e6	2.214e6	2.297e5	1.857e5	1.24	NO	4.154e5	1858.5		2.20



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5th Function Octa-Isotopes

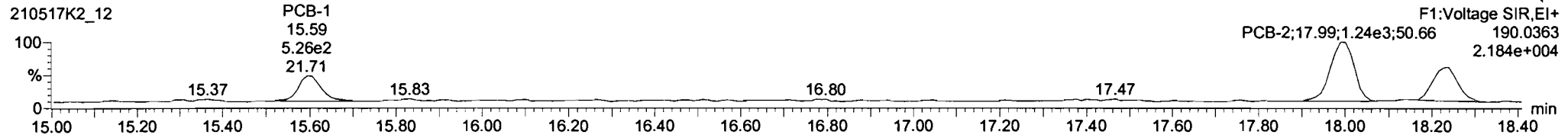
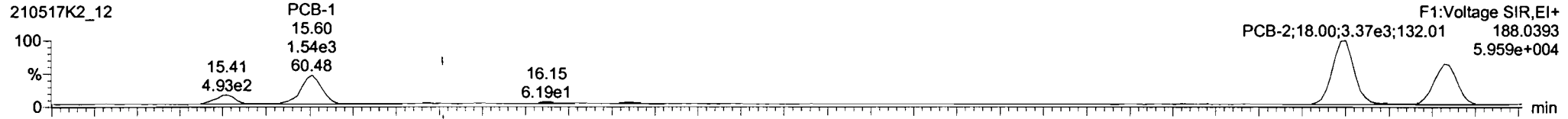
	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC.	DL
1	13C-PCB-194	54.61	54.62	2.165e6	2.373e6	1.236e5	1.355e5	0.91	NO	2.592e5	2085.9		4.26
2	13C-PCB-205	54.93	54.89	2.856e6	3.162e6	1.657e5	1.839e5	0.90	NO	3.496e5	1997.4		3.02

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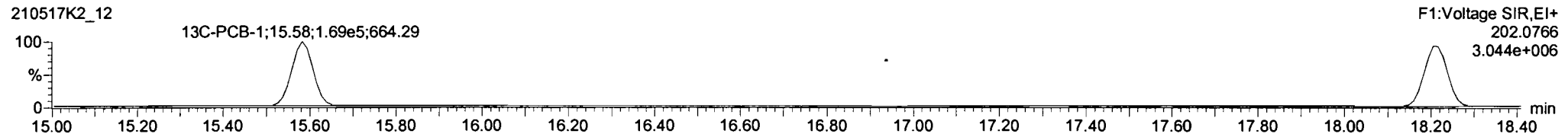
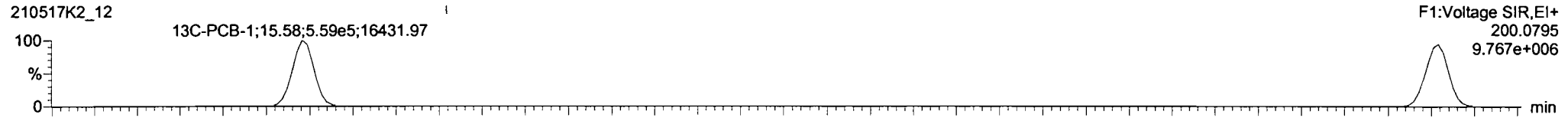
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Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

Name: 210517K2\_12, Date: 18-May-2021, Time: 01:54:16, ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

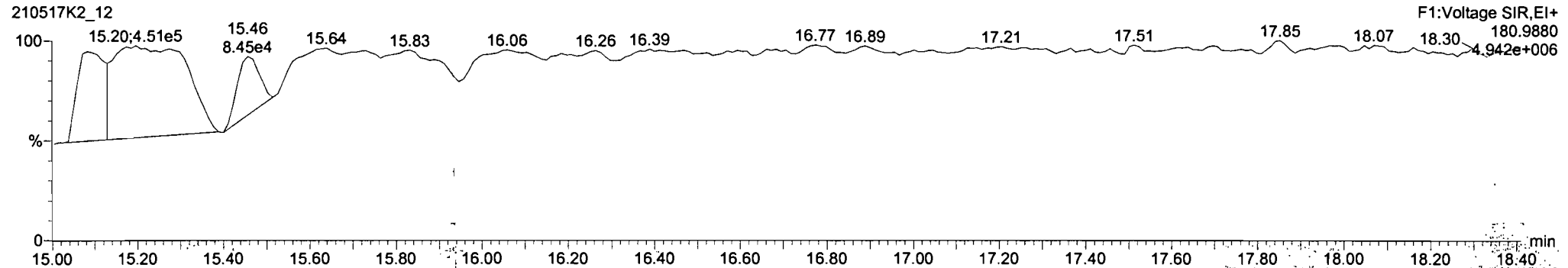
**PCB-1**



**13C-PCB-1**

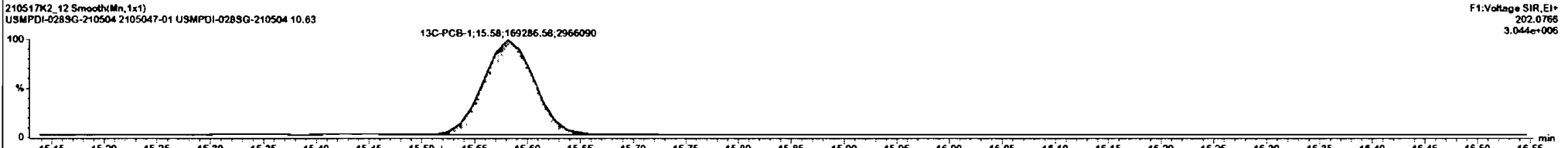
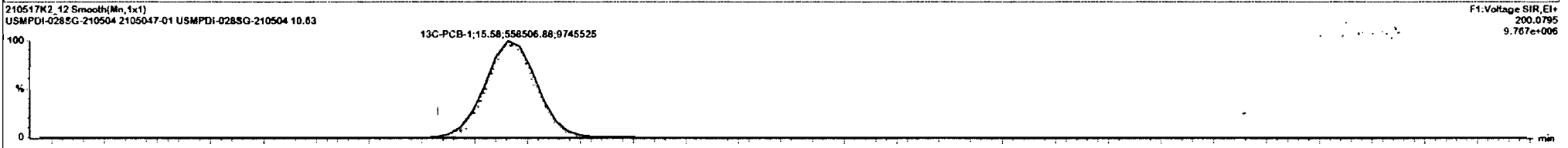
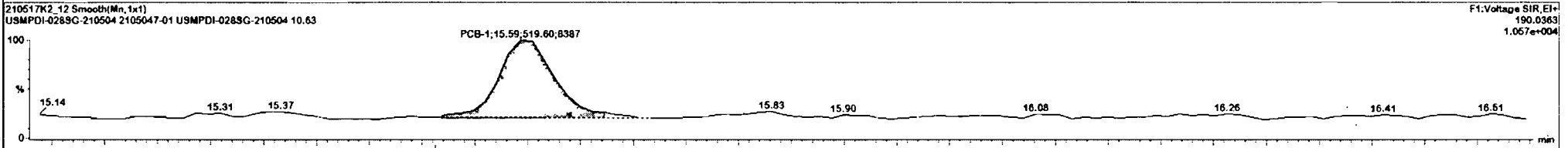
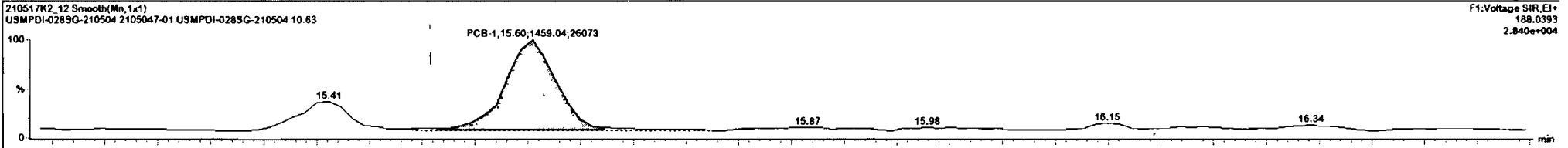


**PFK1**

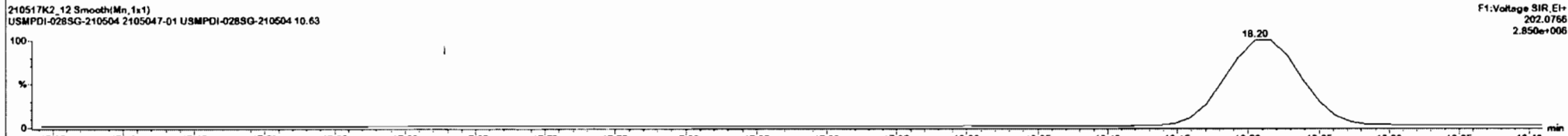
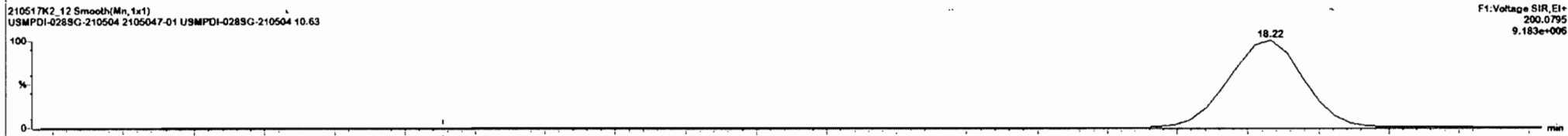
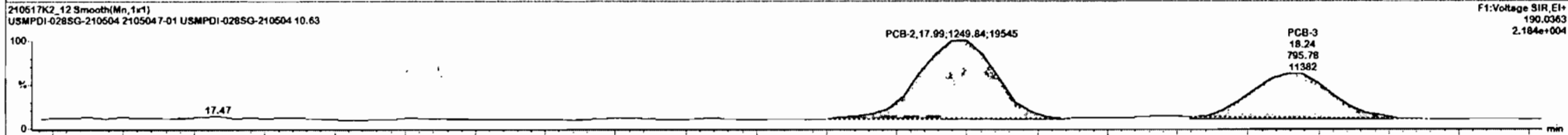
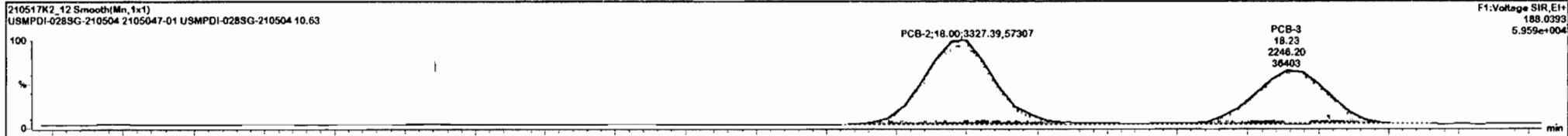


210517K2\_12 - 2105047-01 USMPDI-028SG-210504 10.63 - USMPDI-028SG-210504

#	Name	Resp	RA	n/y	RRF	wt/wt	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
1	PCB-1	1.98e3	2.61	HO	0.9857	5.007	15.59	15.60	1.001	1.001	NO	5.509		0.261	5.509
2	PCB-2	4.58e3	2.65	HO	1.0220	5.007	18.00	18.00	0.998	0.982	NO	12.25		0.266	12.25
3	PCB-3	3.04e3	2.82	HO	1.0025	5.007	18.23	18.23	1.001	1.001	HO	6.309		0.271	6.309
4	PCB-4/10	3.42e3	1.33	HO	1.2074	5.007	19.65	19.59	1.024	1.001	HO	12.75		1.54	12.75
5	PCB-7/9			HO	0.9389	5.007	21.44		1.003		YES				1.23
6	PCB-6	3.38e3	1.87	YES	0.9963	5.007	22.09	22.09	1.033	1.033	HO	9.058		1.16	8.087
7	PCB-5/8	1.10e4	1.40	NO	0.9758	5.007	22.50	22.45	1.052	1.052	HO	30.31		1.16	30.31



#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	PCB-1	15.59	15.60	1.459e3	5.196e2	3.130	2.61	NO	5.5092	5.5092
2	PCB-2	18.00	18.00	3.327e3	1.250e3	3.130	2.66	NO	12.264	12.264
3	PCB-3	18.23	18.23	2.246e3	7.958e2	3.130	2.82	NO	8.3593	8.3593

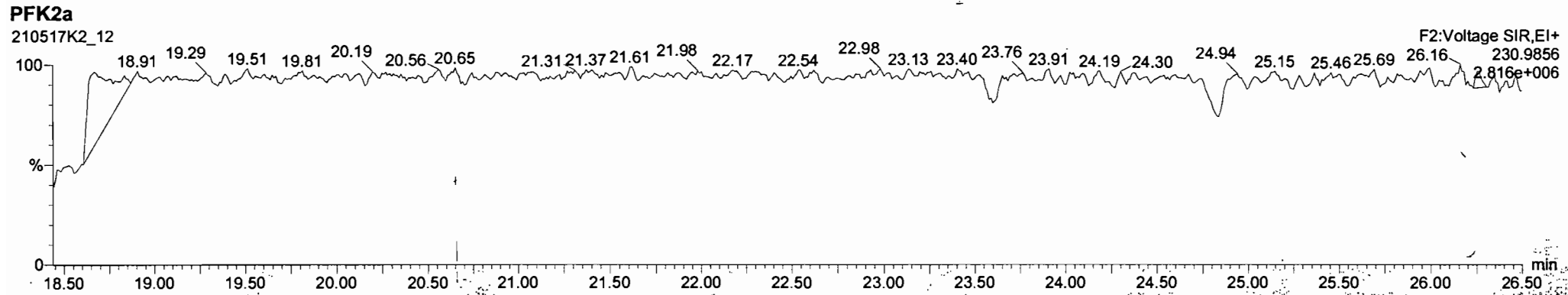
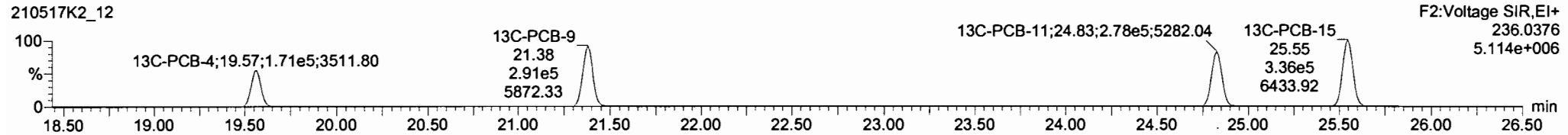
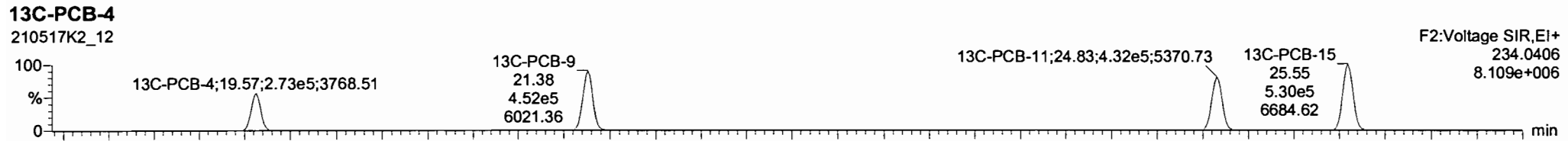
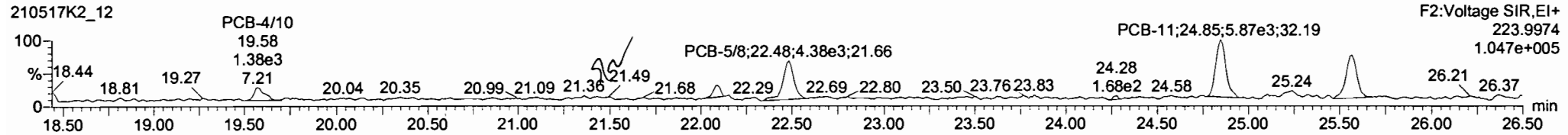
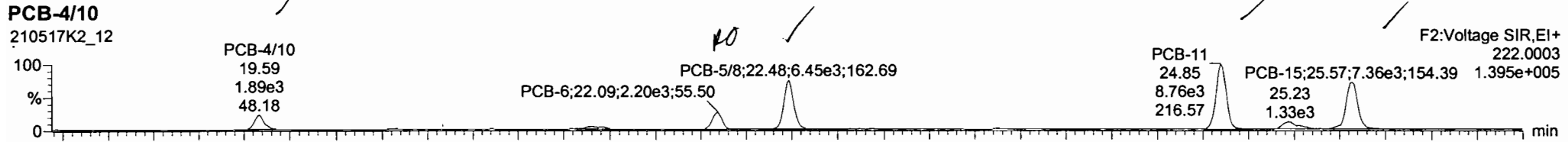


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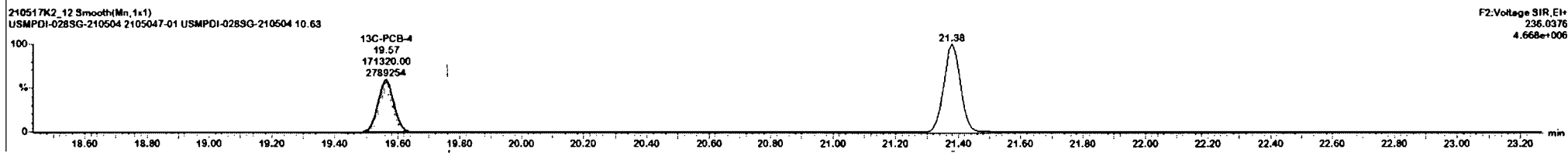
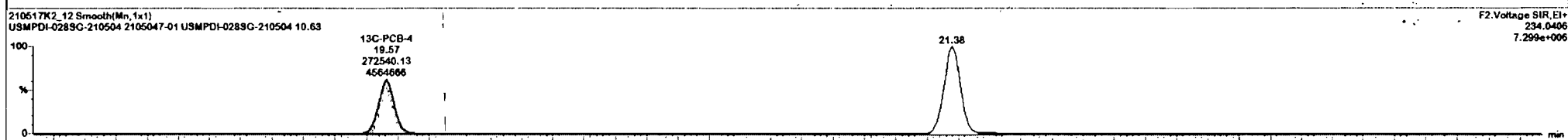
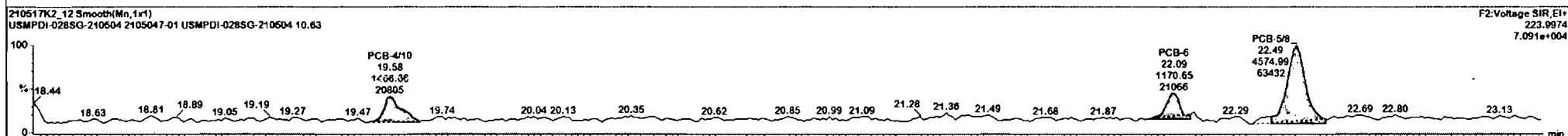
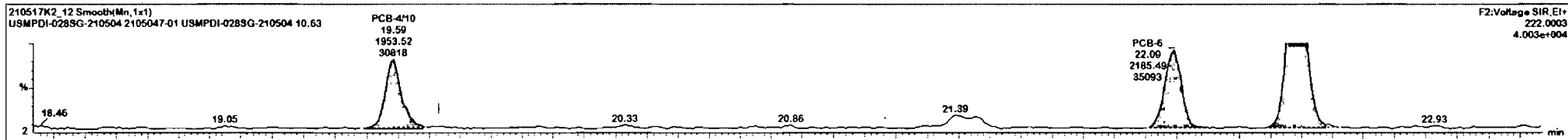
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Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

Name: 210517K2\_12, Date: 18-May-2021, Time: 01:54:16, ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

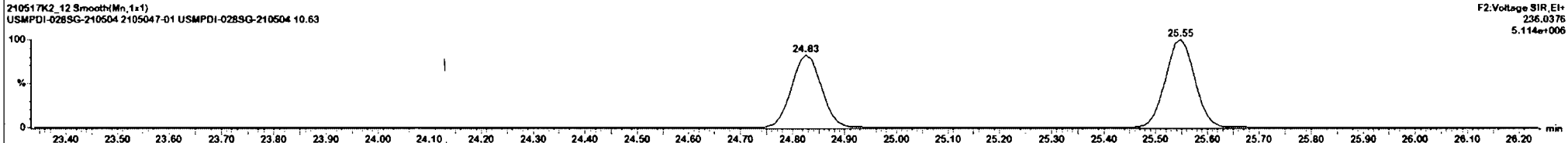
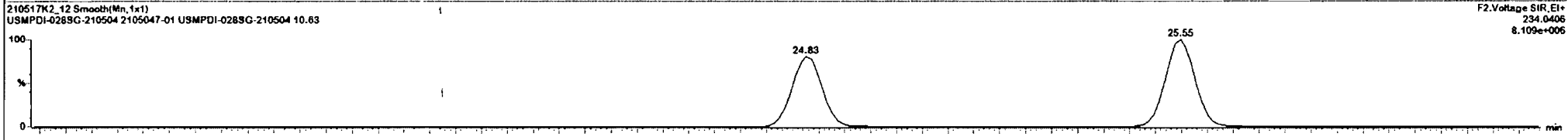
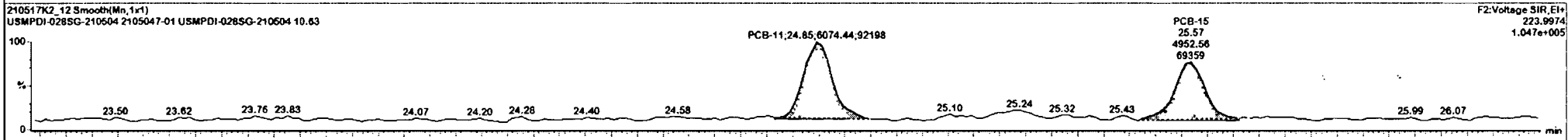
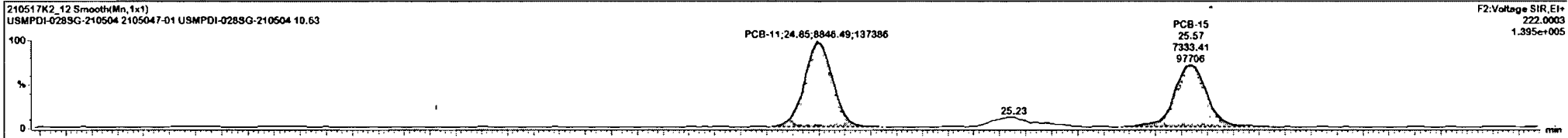


#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	4 PCB-4/10	19.65	19.59	1.954e2	1.467e3	1.560	1.33	NO	12.747	12.747
2	6 PCB-6	22.09	22.09	2.185e3	1.171e3	1.560	1.87	YES	8.0867	0.0000
3	7 PCB-5/8	22.50	22.49	6.427e3	4.575e3	1.560	1.40	NO	30.313	30.313
4	9 PCB-11	24.85	24.85	8.846e3	6.074e3	1.560	1.46	NO	37.594	37.594
5	11 PCB-15	25.56	25.57	7.332e3	4.953e3	1.560	1.48	NO	33.972	33.972



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#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	PCB-4/10	19.85	19.59	1.954e3	1.467e3	1.560	1.33	NO	12.747	12.747
2	PCB-6	22.09	22.09	2.185e3	1.171e3	1.560	1.87	YES	8.0267	0.00000
3	PCB-5/8	22.50	22.49	6.427e3	4.575e3	1.560	1.46	NO	30.313	30.313
4	PCB-11	24.85	24.85	8.846e3	6.074e3	1.560	1.46	NO	37.594	37.594
5	PCB-15	25.56	25.57	7.333e3	4.953e3	1.560	1.46	NO	33.972	33.972



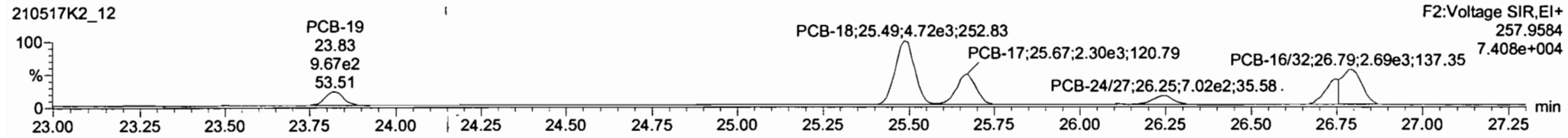
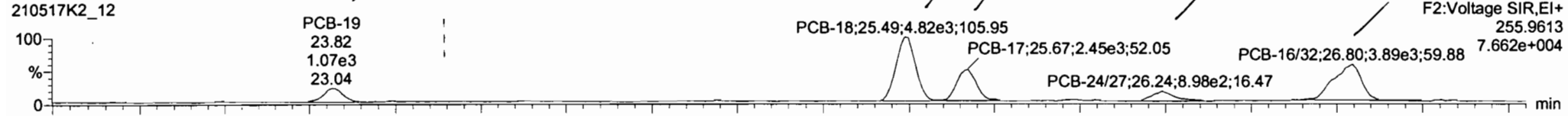
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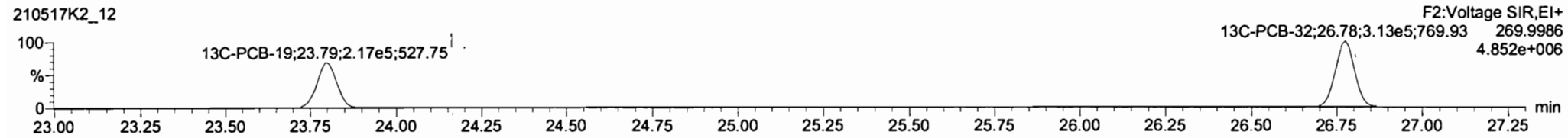
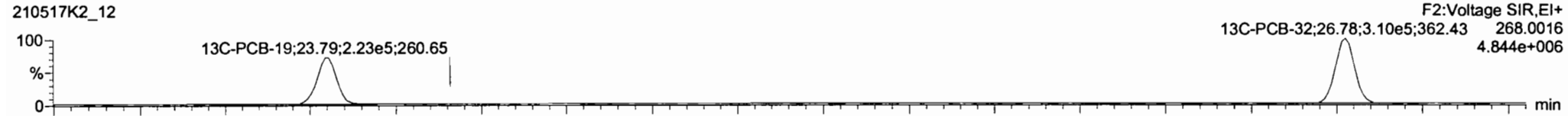
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Name: 210517K2\_12, Date: 18-May-2021, Time: 01:54:16, ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

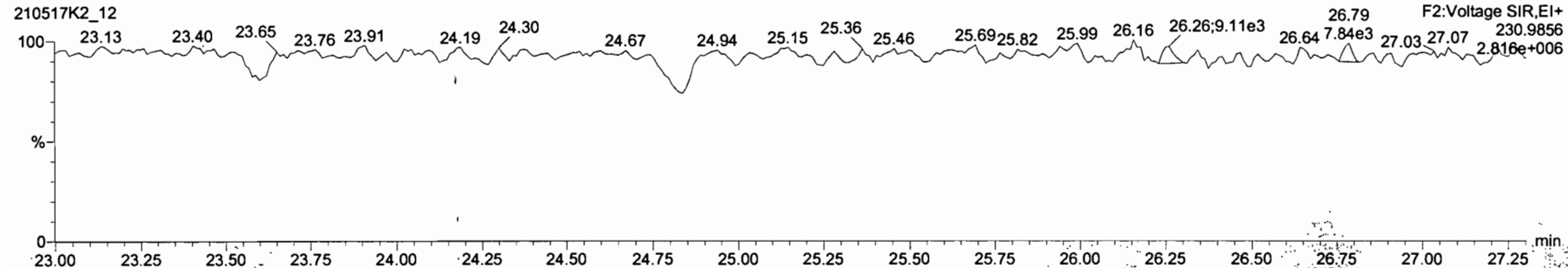
**PCB-19**



**13C-PCB-19**

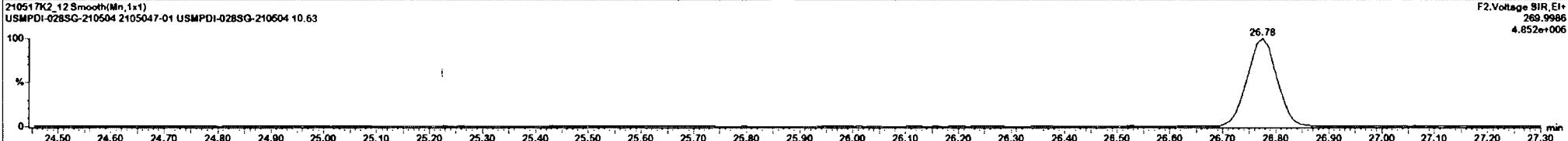
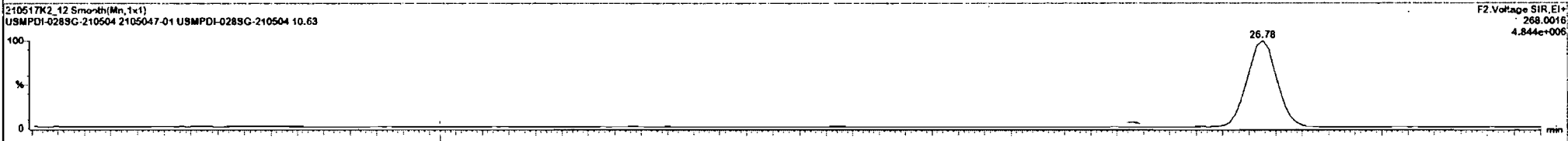
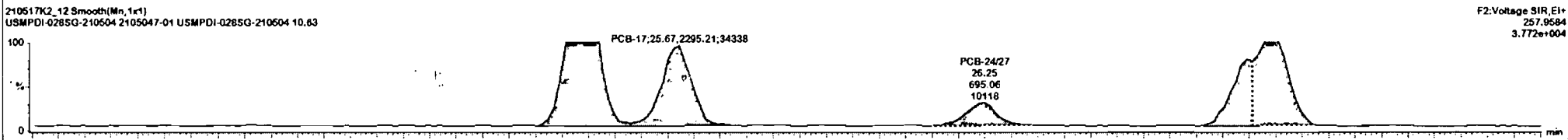
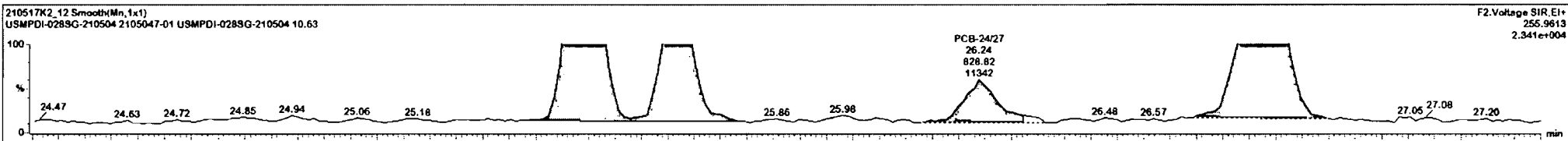


**PFK2b**





#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>o</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	12 PCB-19	23.83	23.32	1.074e2	5.672e2	1.040	1.11	HO	9.5335	9.5335
2	14 PCB-18	25.50	25.49	4.823e3	4.721e3	1.040	1.02	HO	42.538	42.538
3	15 PCB-17	25.86	25.67	2.454e3	2.295e3	1.040	1.07	HO	22.869	22.869
4	16 PCB-24/27	26.24	26.24	8.284e2	6.951e2	1.040	1.19	HO	5.2406	5.2406
5	17 PCB-18/32	26.80	26.80	3.828e3	3.952e3	1.040	0.97	HO	30.259	30.259



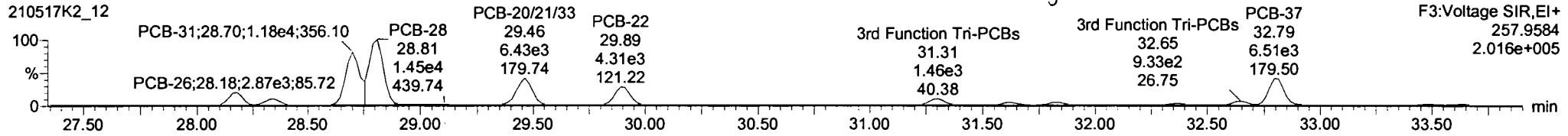
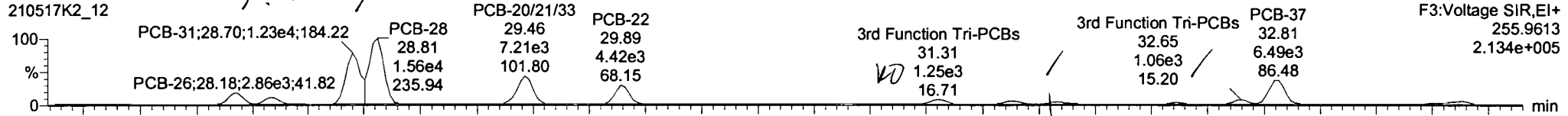
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Last Altered: Tuesday, May 18, 2021 08:58:01 Pacific Daylight Time

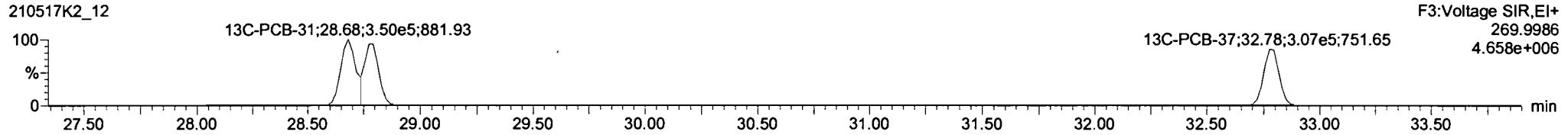
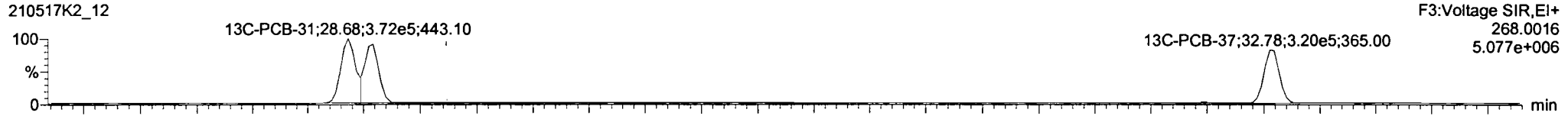
Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

Name: 210517K2\_12, Date: 18-May-2021, Time: 01:54:16, ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

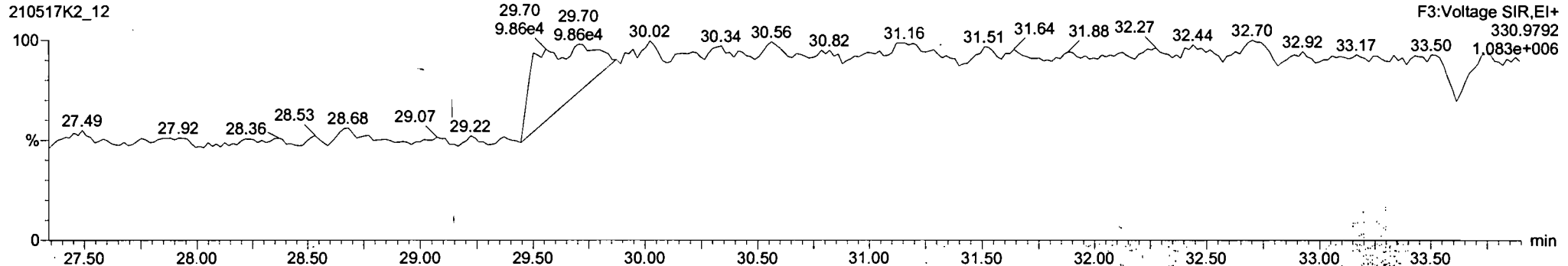
**PCB-34**



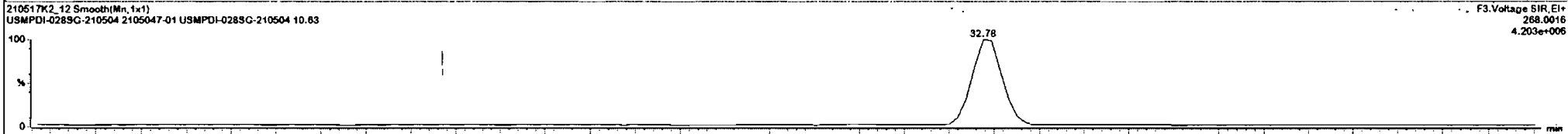
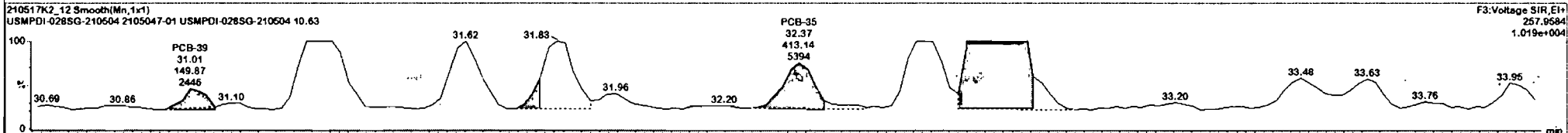
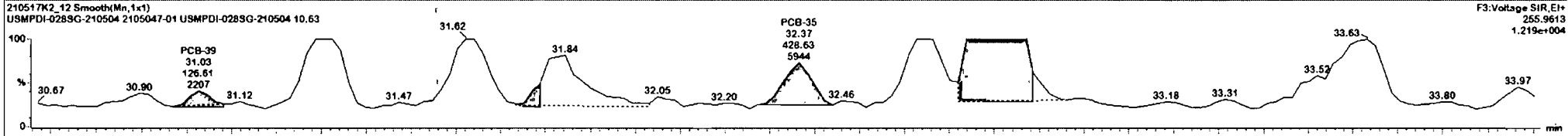
**13C-PCB-28**



**PFK3d**



#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	21 PCB-26	28.18	28.18	2.855e3	2.673e3	1.040	0.99	NO	18.981	18.981
2	22 PCB-25	28.34	28.33	1.819e3	1.479e3	1.040	1.23	YES	9.9826	0.00000
3	23 PCB-31	28.72	28.70	1.227e4	1.124e4	1.040	1.04	NO	70.893	70.893
4	24 PCB-28	28.81	28.81	1.566e4	1.453e4	1.040	1.07	NO	90.002	90.002
5	25 PCB-20(2103)	29.45	29.46	7.210e3	6.429e3	1.040	1.12	NO	45.272	45.272
6	26 PCB-22	29.91	29.89	4.423e3	4.310e3	1.040	1.03	NO	27.907	27.907
7	28 PCB-39	31.01	31.03	1.266e2	1.499e2	1.040	0.84	YES	0.78834	0.00000
8	29 PCB-38	31.50	31.79	8.102e1	7.589e1	1.040	1.07	NO	0.47593	0.47598
9	30 PCB-35	32.35	32.37	4.286e2	4.131e2	1.040	1.04	NO	2.5619	2.5619
10	31 PCB-37	32.79	32.81	6.395e3	6.350e3	1.040	1.01	NO	39.488	39.488



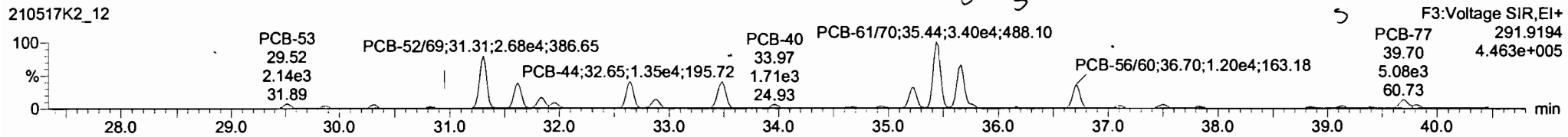
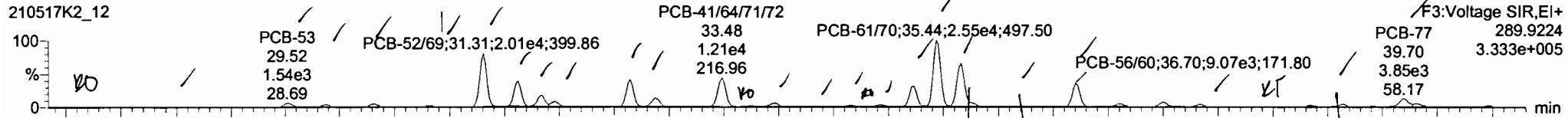
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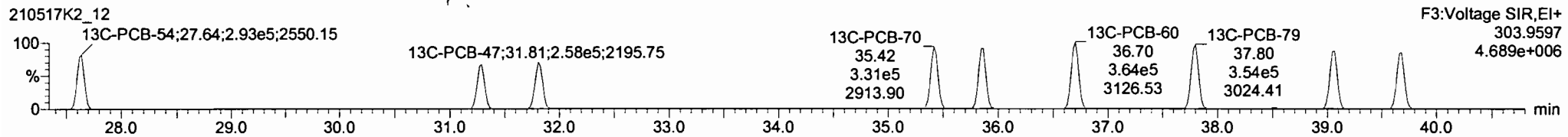
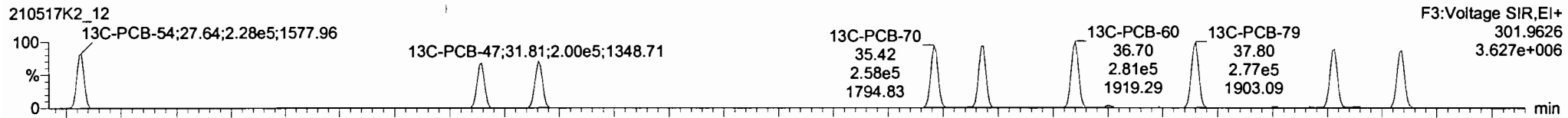
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Name: 210517K2\_12, Date: 18-May-2021, Time: 01:54:16, ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

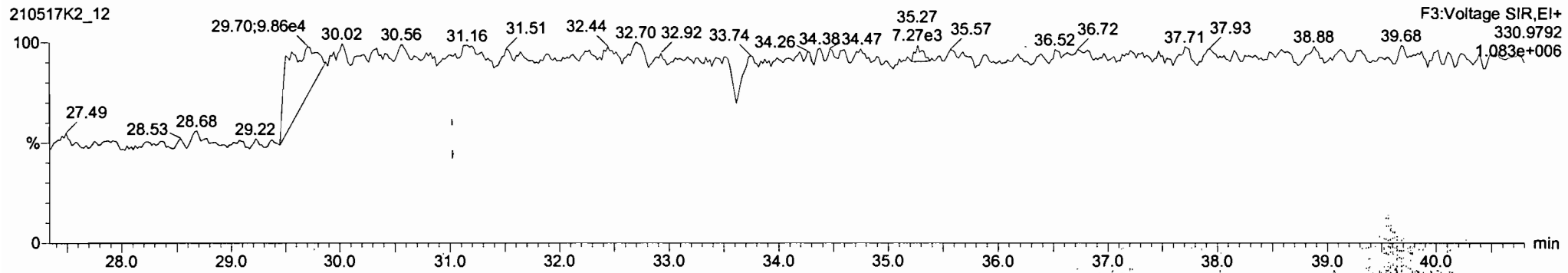
**PCB-54**



**13C-PCB-54**



**PFK3a**



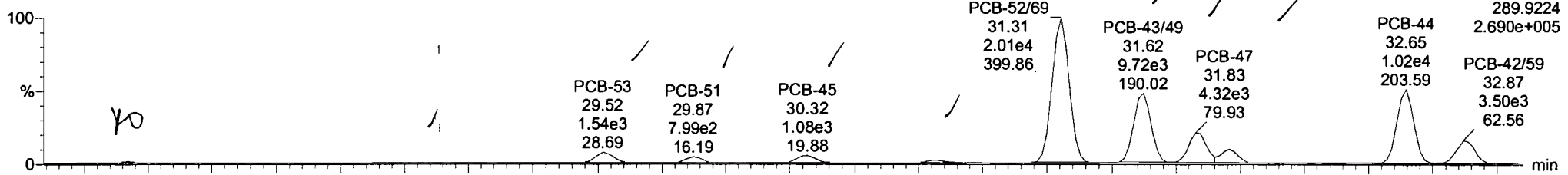
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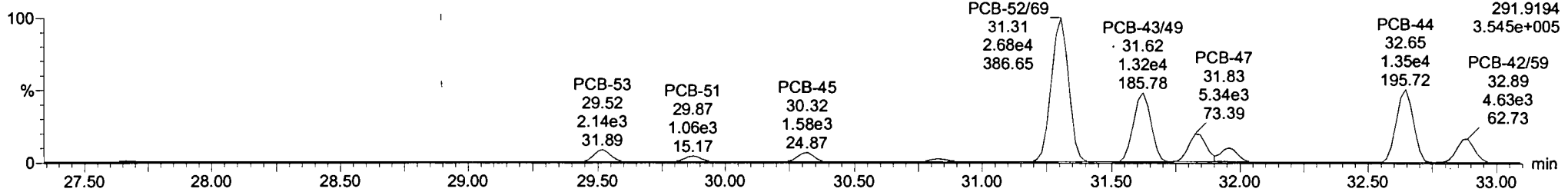
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PCB-50

210517K2\_12

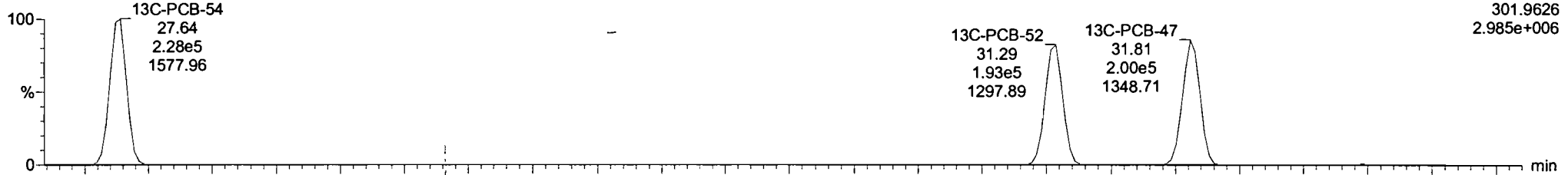


210517K2\_12

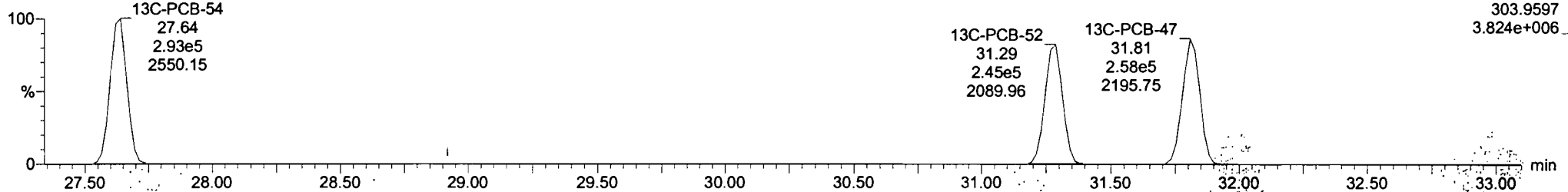


13C-PCB-52

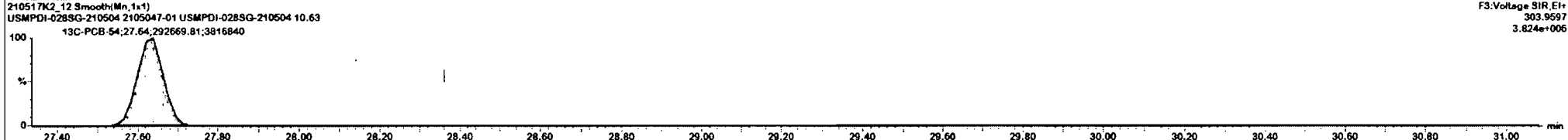
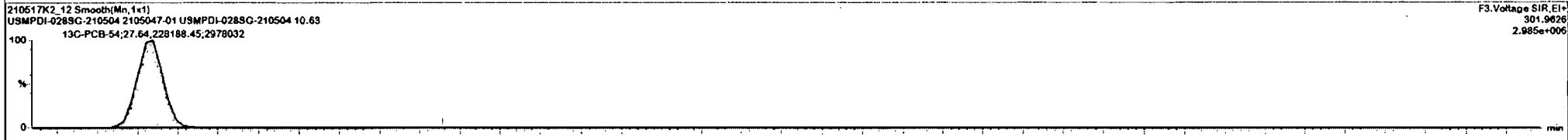
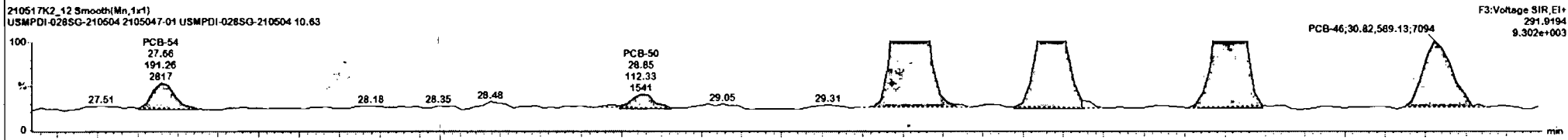
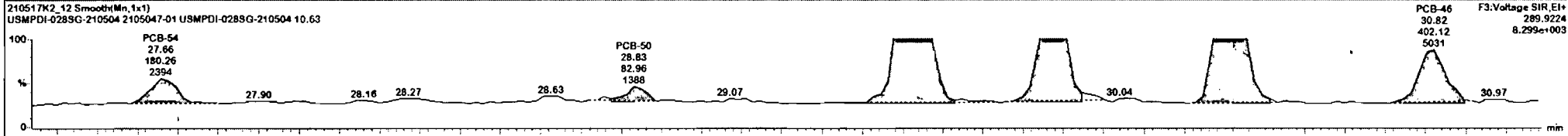
210517K2\_12



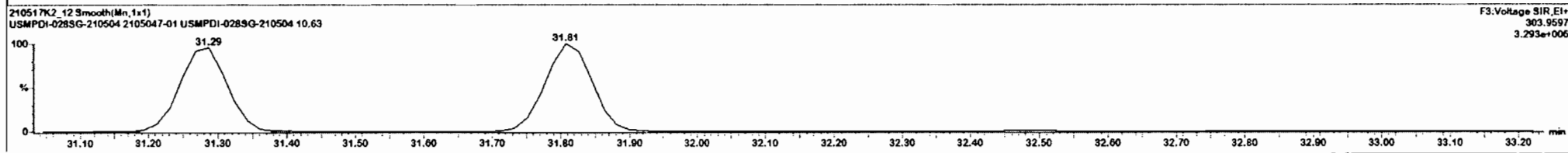
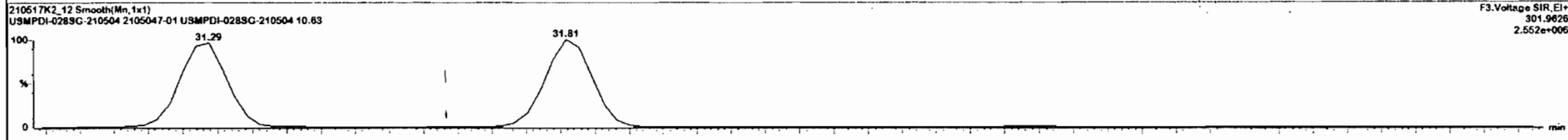
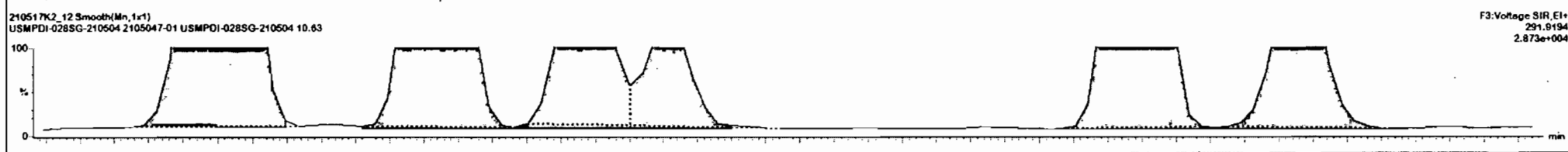
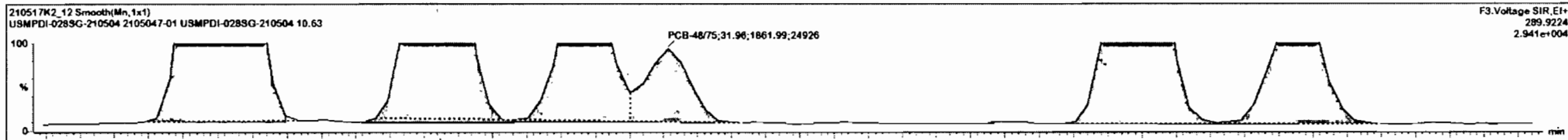
210517K2\_12



#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n <sup>y</sup>	EMPC	Conc.
1	32 PCB-54	27.66	27.66	1.803e2	1.913e2	0.770	0.94	YES	1.3325	0.00000
2	33 PCB-50	28.86	28.83	8.295e1	1.123e2	0.770	0.74	NO	0.93263	0.93293
3	34 PCB-53	29.53	29.52	1.519e3	2.141e3	0.770	0.71	NO	17.792	17.792
4	35 PCB-51	29.85	29.87	7.791e2	1.062e3	0.770	0.73	NO	8.4570	8.4070
5	36 PCB-45	30.34	30.32	1.093e3	1.603e3	0.770	0.68	NO	15.334	15.334
6	37 PCB-46	30.94	30.82	4.021e2	5.891e2	0.770	0.68	NO	5.8729	5.8729
7	38 PCB-52/69	31.32	31.31	2.011e4	2.682e4	0.770	0.75	NO	197.93	197.93
8	40 PCB-43/49	31.81	31.82	9.970e2	1.332e4	0.770	0.75	NO	114.91	114.91
9	41 PCB-47	31.83	31.83	4.418e2	5.556e3	0.770	0.80	NO	50.355	50.355
10	42 PCB-48/75	31.96	31.96	1.887e2	2.691e3	0.770	0.89	NO	19.106	19.106



#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.56	27.56	1.803e2	1.513e2	0.770	0.94	YES	1.3325	0.00000
2	33 PCB-50	28.88	28.83	5.295e1	1.123e2	0.770	0.74	NO	0.93293	0.93293
3	34 PCB-53	29.53	29.52	1.519e3	2.141e3	0.770	0.71	NO	17.792	17.792
4	35 PCB-51	29.89	29.87	7.791e2	1.067e3	0.770	0.73	NO	8.4070	8.4070
5	36 PCB-45	30.34	30.22	1.093e3	1.663e3	0.770	0.68	NO	15.334	15.334
6	37 PCB-46	30.84	30.82	4.021e2	5.691e2	0.770	0.65	NO	5.8729	5.8729
7	38 PCB-52/69	31.32	31.31	2.011e4	2.682e4	0.770	0.75	NO	197.93	197.93
8	40 PCB-43/49	31.61	31.62	9.970e3	1.322e4	0.770	0.75	NO	114.91	114.91
9	41 PCB-47	31.83	31.83	4.415e3	5.556e3	0.770	0.60	NO	50.355	50.355
10	42 PCB-48/75	31.96	31.96	1.882e3	2.691e3	0.770	0.69	NO	19.106	19.106

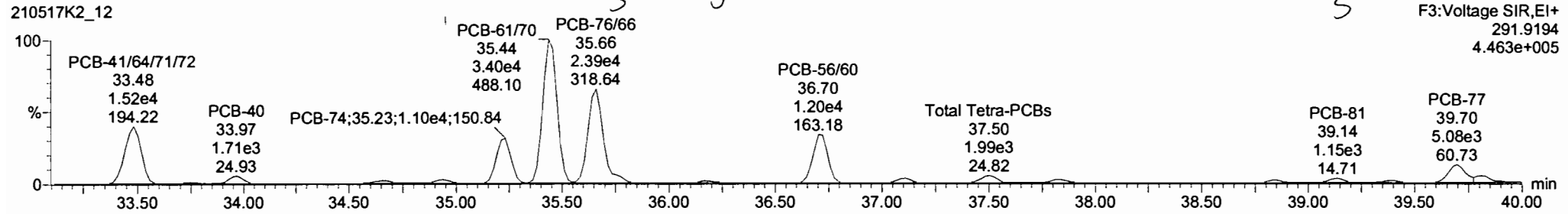
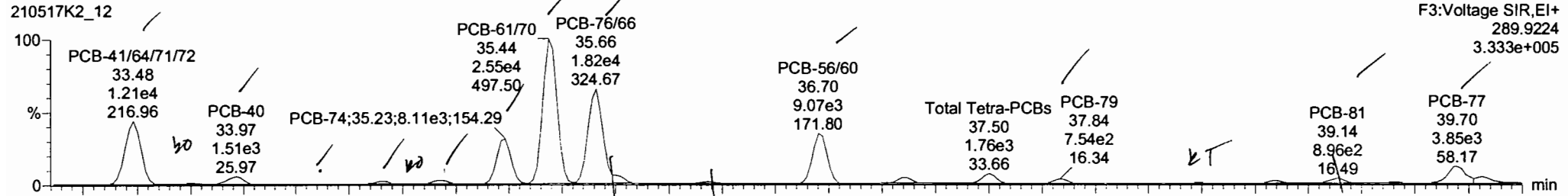


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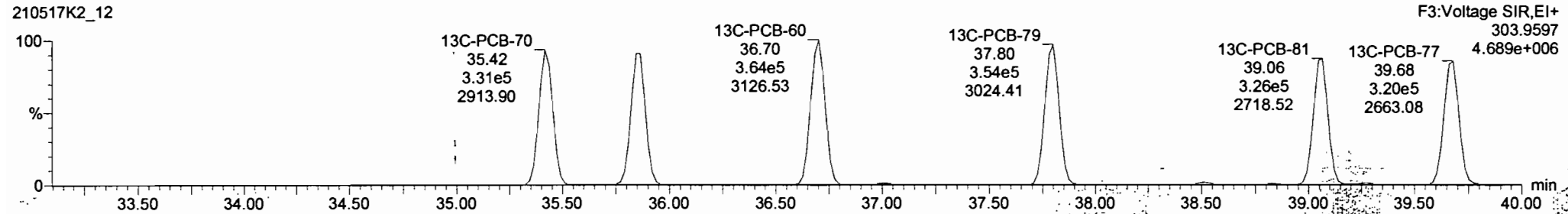
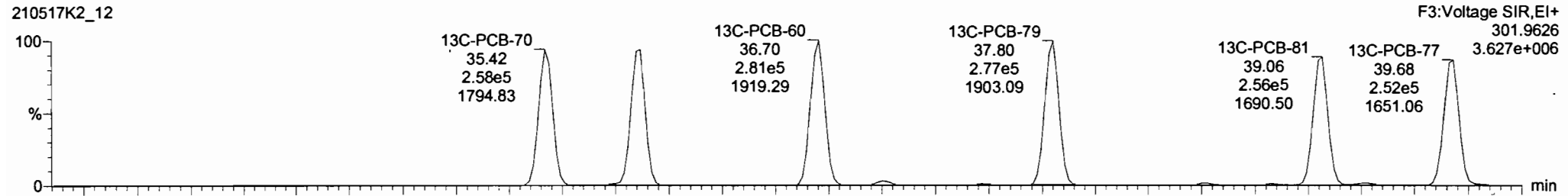
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Name: 210517K2\_12, Date: 18-May-2021, Time: 01:54:16, ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

**PCB-68**



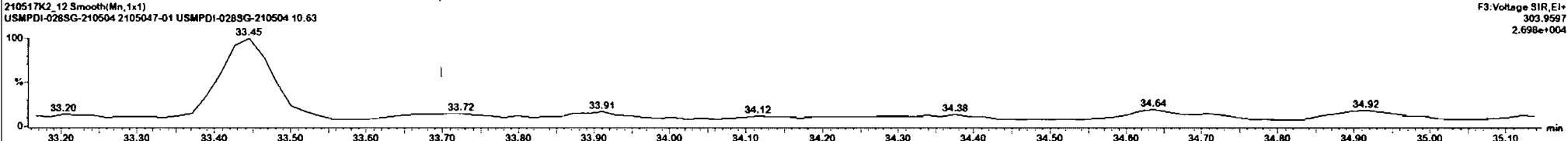
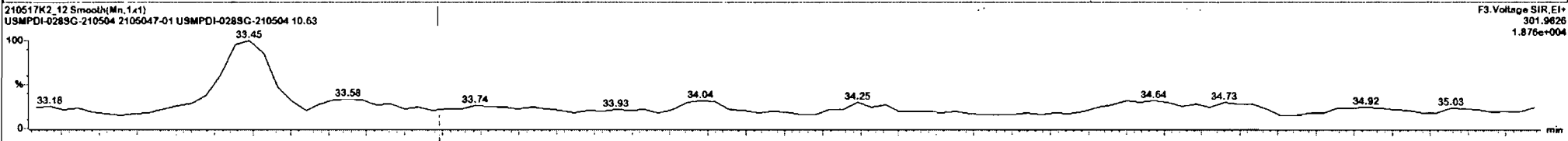
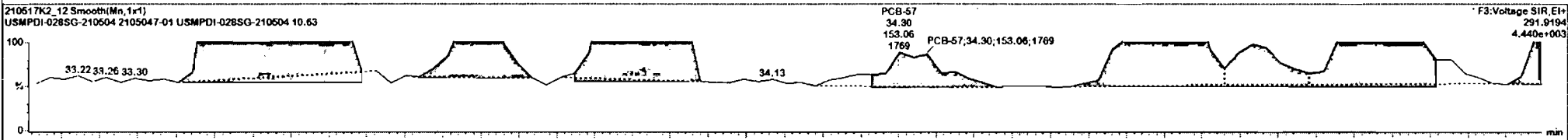
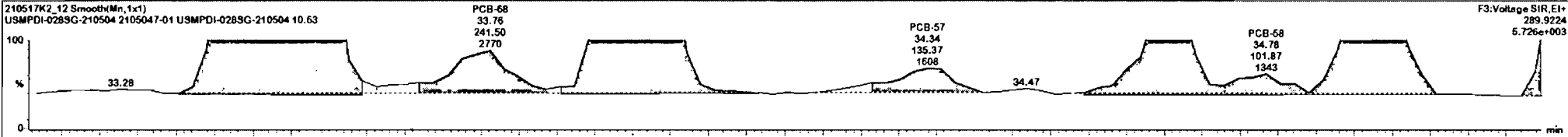
**13C-PCB-60**



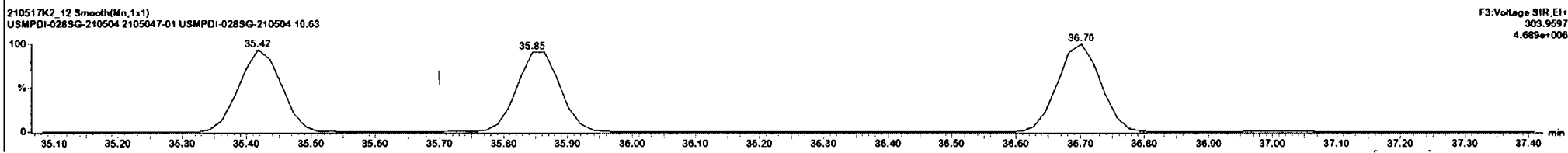
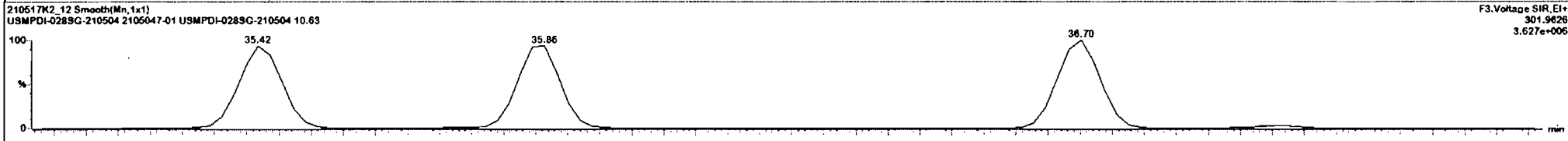
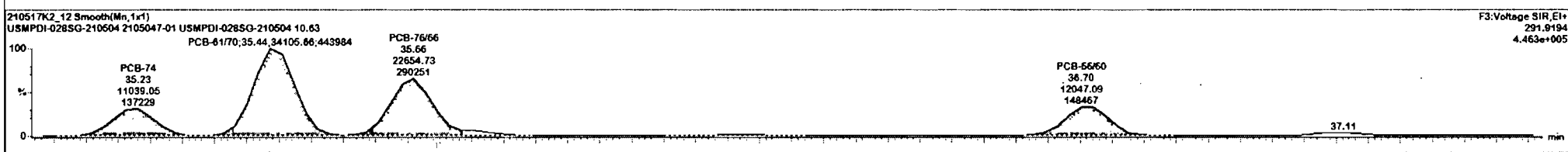
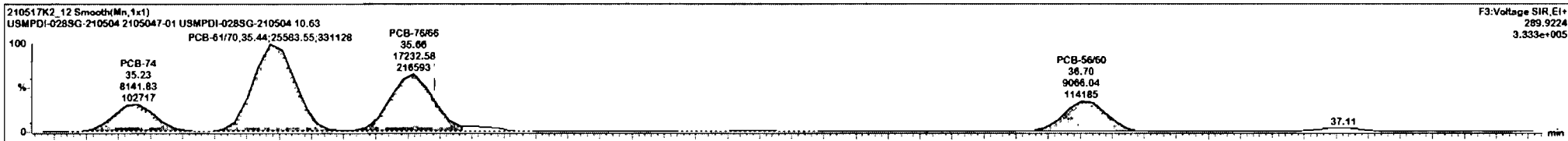


210517K2\_12 - 2105047-01 USMPDI-028SG-210504 10.63 - USMPDI-028SG-210504

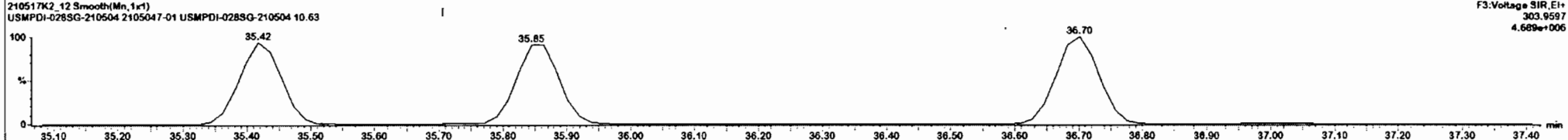
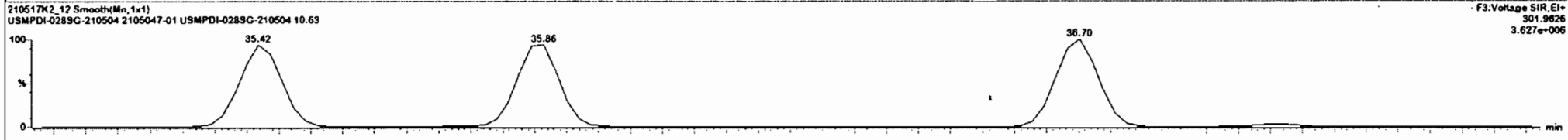
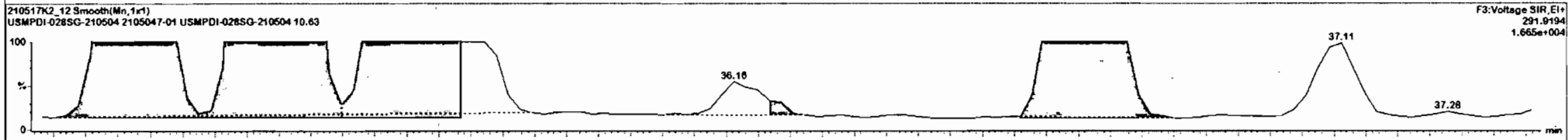
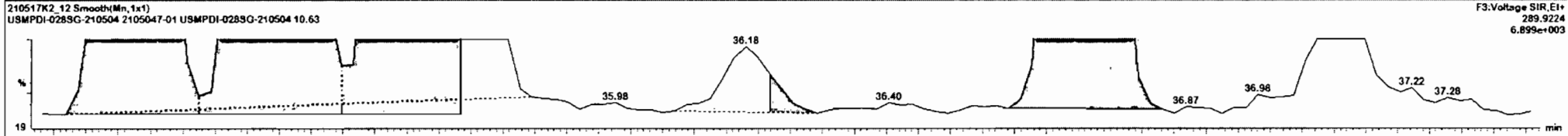
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.66	27.68	1.803e2	1.913e2	0.770	0.94	YES	1.3325	0.00000
2	33 PCB-50	28.86	28.83	6.296e1	1.123e2	0.770	0.74	NO	0.93293	0.93293
3	34 PCB-53	29.53	29.52	1.519e3	2.141e3	0.770	0.71	NO	17.792	17.792
4	35 PCB-51	29.89	29.87	7.791e2	1.062e3	0.770	0.73	NO	8.4070	8.4070
5	36 PCB-45	30.34	30.32	1.093e3	1.603e3	0.770	0.68	NO	15.334	15.334
6	37 PCB-46	30.84	30.82	4.021e2	5.891e2	0.770	0.68	NO	5.8729	5.8729
7	38 PCB-52/69	31.32	31.31	2.011e4	2.682e4	0.770	0.75	NO	197.93	197.93
8	40 PCB-43/49	31.61	31.62	9.970e3	1.332e4	0.770	0.75	NO	114.91	114.91
9	41 PCB-47	31.83	31.83	4.418e3	5.556e3	0.770	0.60	NO	50.355	50.355
10	42 PCB-48/75	31.96	31.96	1.882e3	2.691e2	0.770	0.69	NO	19.108	19.108



#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.86	27.86	1.803e2	1.913e2	0.770	0.94	YES	1.332E	0.00000
2	33 PCB-50	28.88	28.83	8.296e1	1.123e2	0.770	0.74	NO	0.93293	0.93293
3	34 PCB-53	29.53	29.52	1.519e3	2.141e3	0.770	0.71	NO	17.792	17.792
4	35 PCB-51	29.89	29.87	7.791e2	1.062e3	0.770	0.73	NO	8.4070	8.4070
5	36 PCB-45	30.34	30.32	1.093e3	1.663e3	0.770	0.68	NO	15.334	15.334
6	37 PCB-46	30.84	30.82	4.021e2	5.891e2	0.770	0.68	NO	5.8729	5.8729
7	38 PCB-52/69	31.32	31.31	2.011e4	2.682e4	0.770	0.75	NO	197.93	197.93
8	40 PCB-43/49	31.61	31.62	9.970e3	1.332e4	0.770	0.75	NO	114.91	114.91
9	41 PCB-47	31.83	31.83	4.418e3	5.556e3	0.770	0.60	NO	50.355	50.355
10	42 PCB-49/75	31.98	31.98	1.882e3	2.691e3	0.770	0.69	NO	19.106	19.106

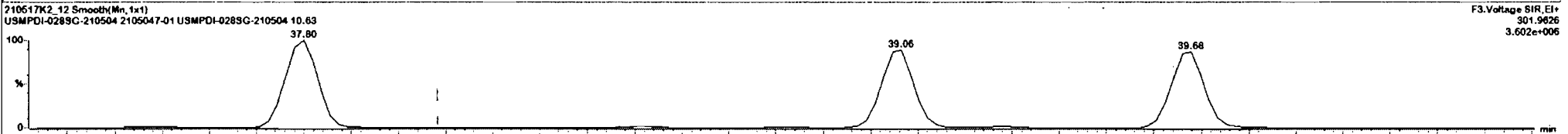
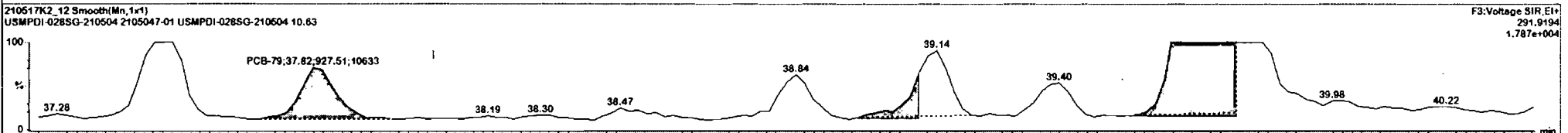
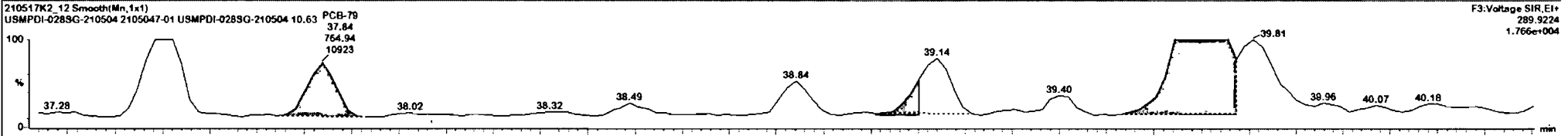


#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.66	27.66	1.803e2	1.913e2	0.770	0.94	YES	1.3225	0.00000
2	33 PCB-50	28.88	28.83	8.295e1	1.123e2	0.770	0.74	NO	0.93293	0.93293
3	34 PCB-53	29.53	29.52	1.519e3	2.141e3	0.770	0.71	NO	17.792	17.792
4	35 PCB-51	29.89	29.87	7.791e2	1.062e3	0.770	0.73	NO	8.4070	8.4070
5	36 PCB-45	30.34	30.22	1.093e3	1.663e3	0.770	0.68	NO	15.334	15.334
6	37 PCB-46	30.84	30.82	4.021e2	5.891e2	0.770	0.68	NO	5.8729	5.8729
7	38 PCB-5269	31.22	31.31	2.011e4	2.682e4	0.770	0.75	NO	197.93	197.93
8	40 PCB-4349	31.61	31.62	9.970e3	1.332e4	0.770	0.75	NO	114.91	114.91
9	41 PCB-47	31.83	31.83	4.418e3	5.556e3	0.770	0.60	NO	50.355	50.355
10	42 PCB-4875	31.98	31.98	1.882e3	2.691e3	0.770	0.69	NO	19.108	19.108



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#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	m/y	EMPC	Conc.
1	32 PCB-54	27.86	27.88	1.807e2	1.513e2	0.770	0.94	YES	1.3325	0.00000
2	33 PCB-50	28.88	28.83	8.256e1	1.123e2	0.770	0.74	NO	0.93293	0.93293
3	34 PCB-53	29.53	29.52	1.519e3	2.141e3	0.770	0.71	NO	17.782	17.792
4	35 PCB-51	29.85	29.87	7.791e2	1.062e3	0.770	0.73	NO	8.4070	8.4070
5	36 PCB-45	30.34	30.32	1.093e3	1.603e3	0.770	0.68	NO	15.334	15.334
6	37 PCB-46	30.34	30.32	4.021e2	5.891e2	0.770	0.68	NO	5.8729	5.8729
7	38 PCB-52/69	31.32	31.31	2.011e4	2.682e4	0.770	0.75	NO	197.93	197.93
8	40 PCB-43/49	31.81	31.82	9.970e3	1.332e4	0.770	0.75	NO	114.91	114.91
9	41 PCB-47	31.83	31.83	4.418e3	5.556e3	0.770	0.80	NO	50.355	50.355
10	42 PCB-48/75	31.98	31.98	1.882e3	2.691e3	0.770	0.69	NO	19.108	19.108



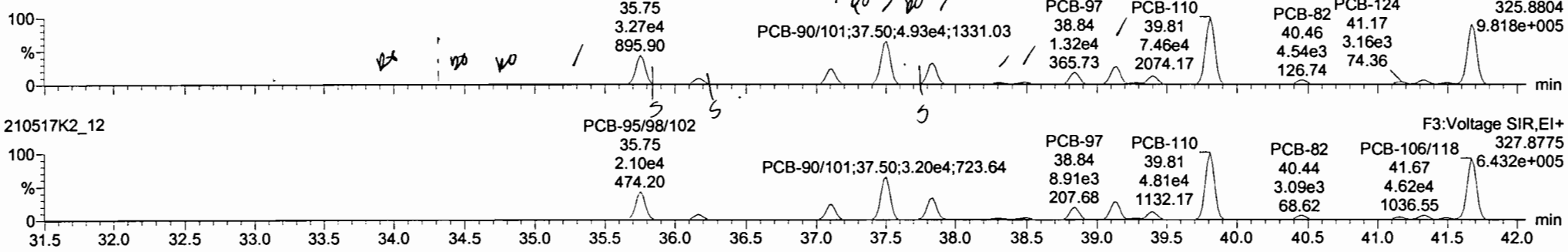
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Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

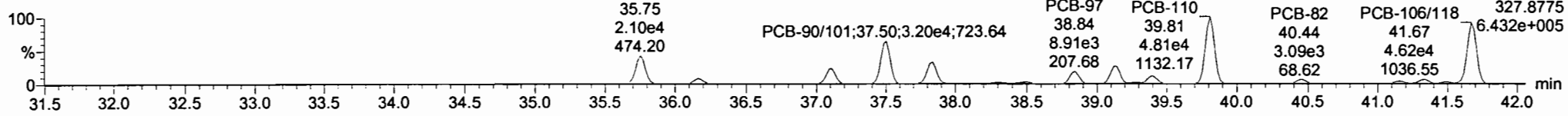
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**PCB-104**

210517K2\_12

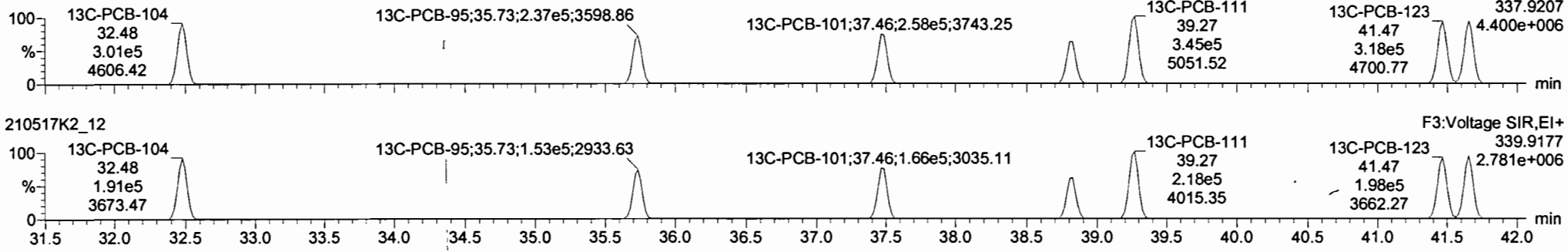


210517K2\_12

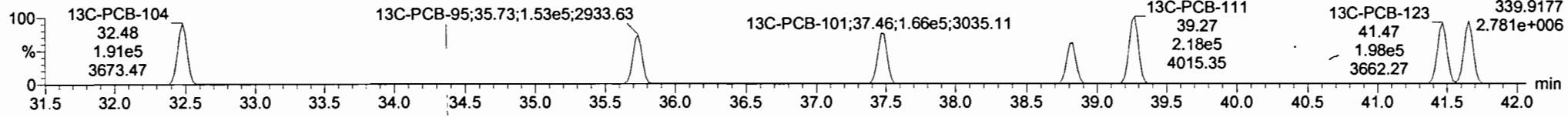


**13C-PCB-104**

210517K2\_12

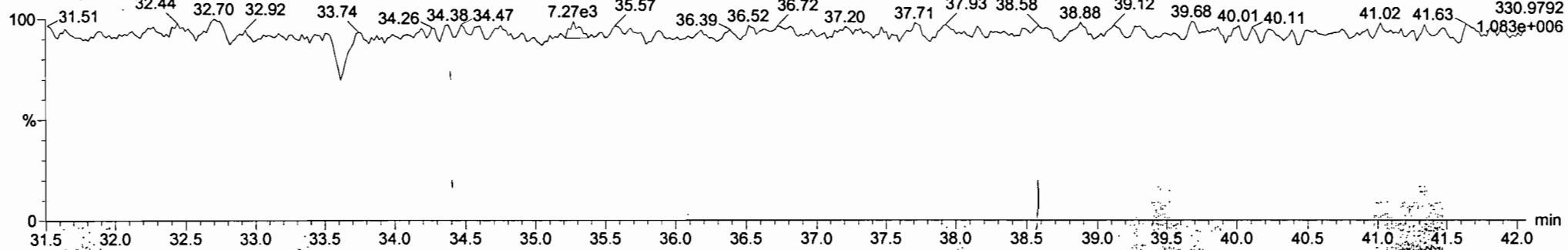


210517K2\_12



**PFK3b**

210517K2\_12



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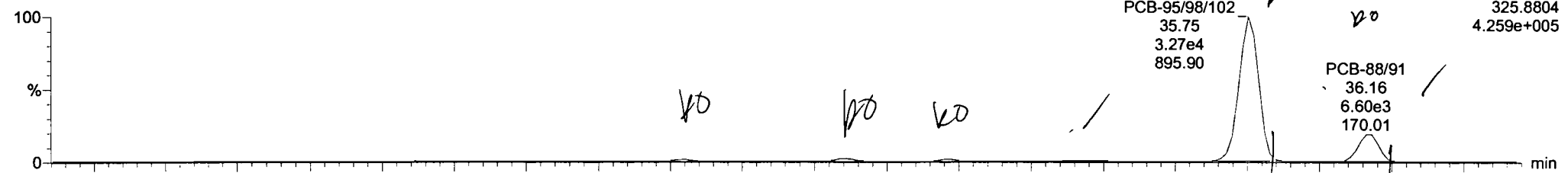
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Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

Name: 210517K2\_12, Date: 18-May-2021, Time: 01:54:16, ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

**PCB-96**

210517K2\_12

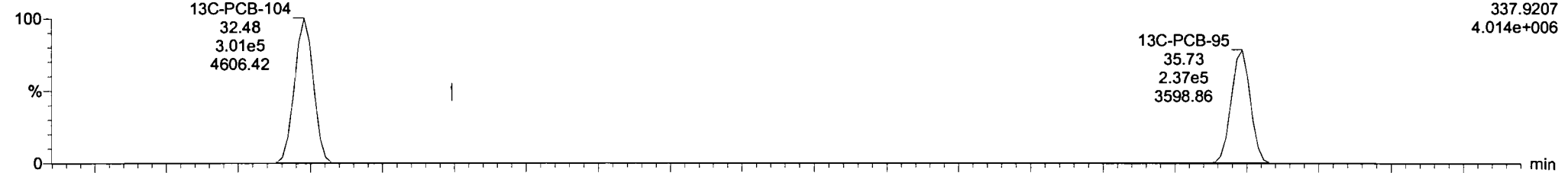


210517K2\_12

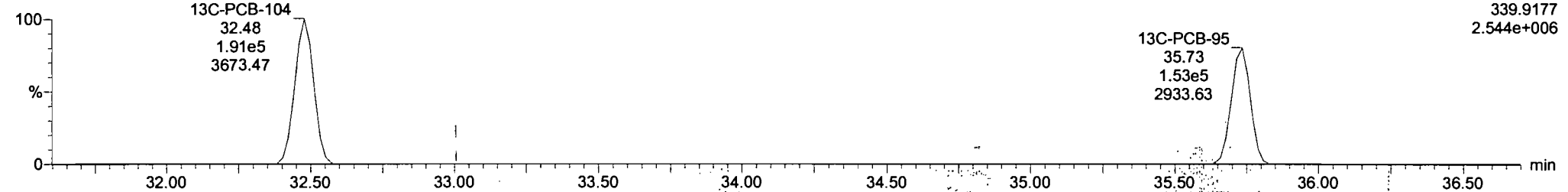


**13C-PCB-95**

210517K2\_12

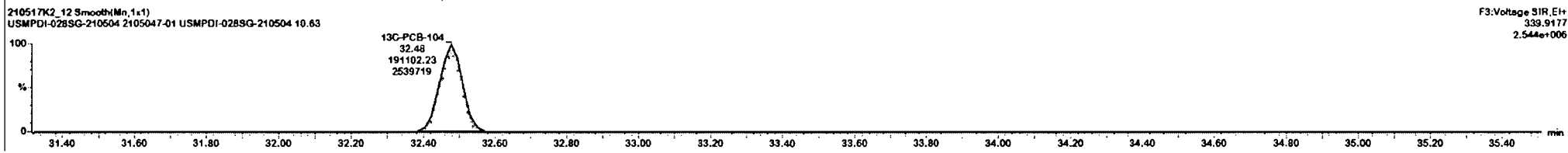
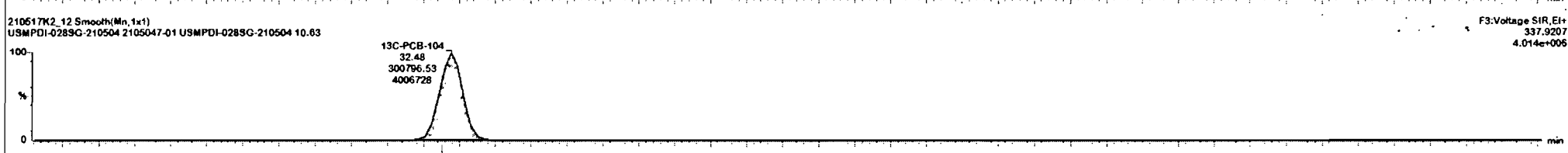
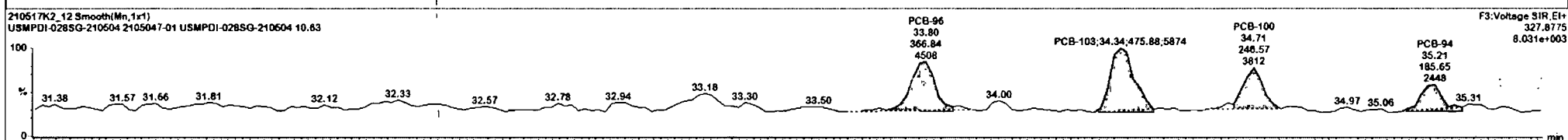
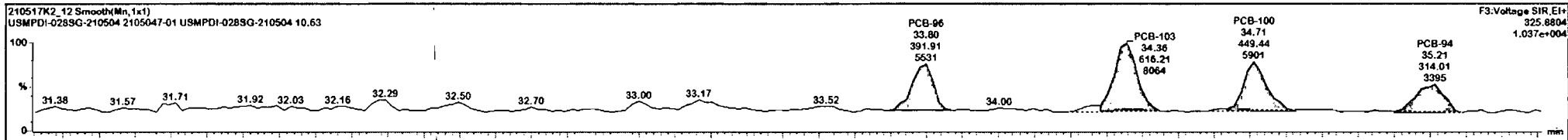


210517K2\_12



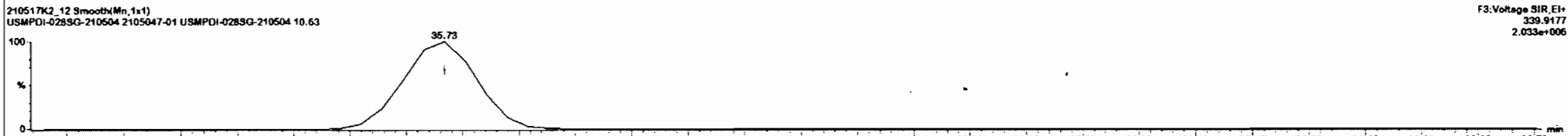
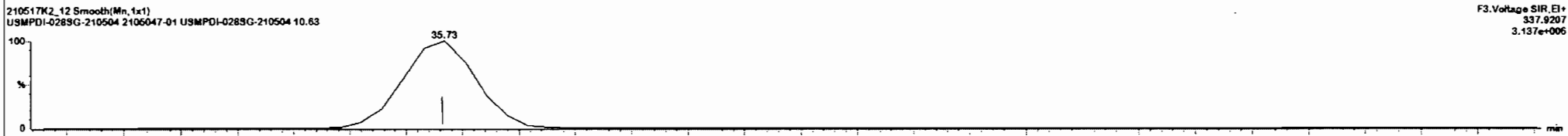
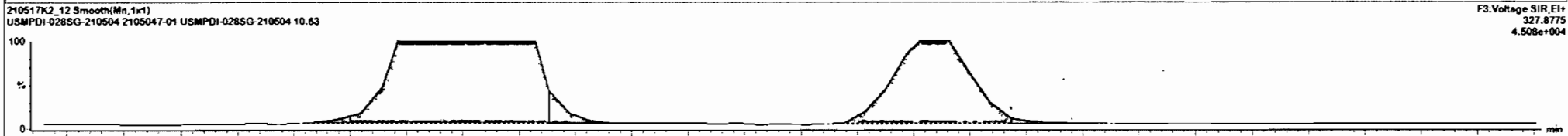
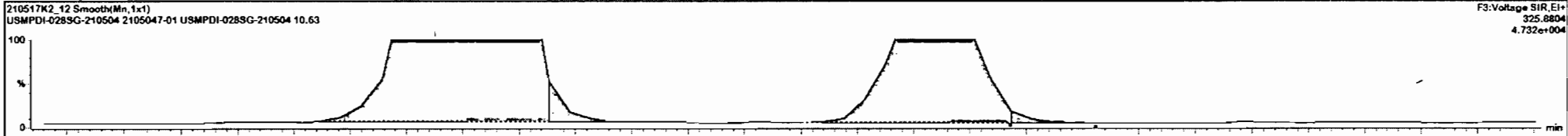
210517K2\_12 - 2105047-01 USMPDI-028SG-210504 10.63 - USMPDI-028SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	25 PCB-96	33.80	33.80	3.915e2	3.628e2	1.560	1.07	YES	2.6582	0.00000
2	56 PCB-103	34.38	34.36	6.162e2	4.759e2	1.560	1.29	YES	5.3357	0.00000
3	87 PCB-100	34.73	34.71	4.494e2	2.466e2	1.560	1.82	YES	3.1852	0.00000
4	68 PCB-94	35.15	35.21	3.140e2	1.856e2	1.560	1.89	NO	3.0782	3.0782
5	69 PCB-55/68/102	35.68	35.75	3.246e4	2.083e4	1.560	1.58	NO	254.69	254.69
6	70 PCB-93	35.81	35.83	3.032e2	2.859e2	1.560	1.24	YES	3.8955	0.00000
7	71 PCB-88/91	36.16	36.16	6.026e2	3.564e3	1.560	1.83	YES	51.294	0.00000
8	72 PCB-121	36.27	36.24	1.325e2	9.415e1	1.560	1.41	NO	0.79202	0.79202
9	73 PCB-84/82	37.05	37.11	1.743e4	1.143e4	1.560	1.53	NO	164.54	164.54
10	74 PCB-89	37.27	37.28	3.754e2	1.546e2	1.560	2.43	YES	2.1082	0.00000



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#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Prec)	RA	n/y	EMPC	Conc.
1	55 PCB-96	33.80	33.80	3.919e2	3.628e2	1.560	1.07	YES	2.6582	0.00000
2	56 PCB-103	34.38	34.36	6.162e2	4.759e2	1.560	1.25	YES	5.3357	0.00000
3	57 PCB-100	34.73	34.71	4.494e2	2.466e2	1.560	1.82	YES	3.1252	0.00000
4	68 PCB-94	35.19	35.21	3.140e2	1.856e2	1.560	1.69	NO	3.0782	3.0782
5	69 PCB-55/96/102	35.68	35.75	3.246e4	2.083e4	1.560	1.56	NO	254.69	254.69
6	70 PCB-93	35.81	35.83	3.532e2	2.859e2	1.560	1.24	YES	3.8955	0.00000
7	71 PCB-88/91	36.16	36.16	6.526e2	3.564e3	1.560	1.83	YES	51.294	0.00000
8	72 PCB-121	36.27	36.24	1.326e2	6.217e1	1.560	1.81	NO	0.75010	0.75010
9	73 PCB-84/92	37.09	37.11	1.743e4	1.143e4	1.560	1.53	NO	164.54	164.54
10	74 PCB-89	37.27	37.28	3.754e2	1.546e2	1.560	2.43	YES	2.1062	0.00000





Dataset: Untitled

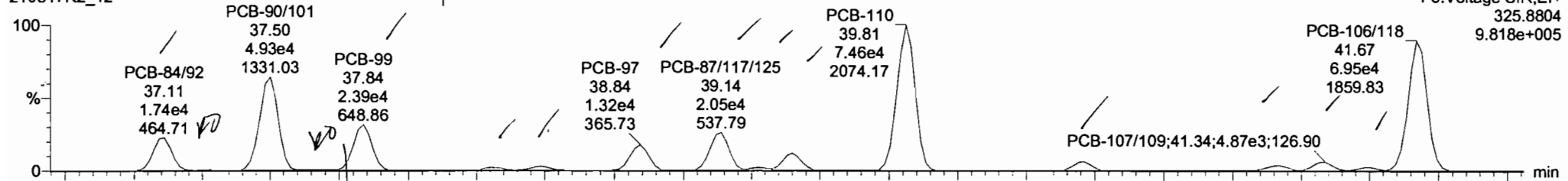
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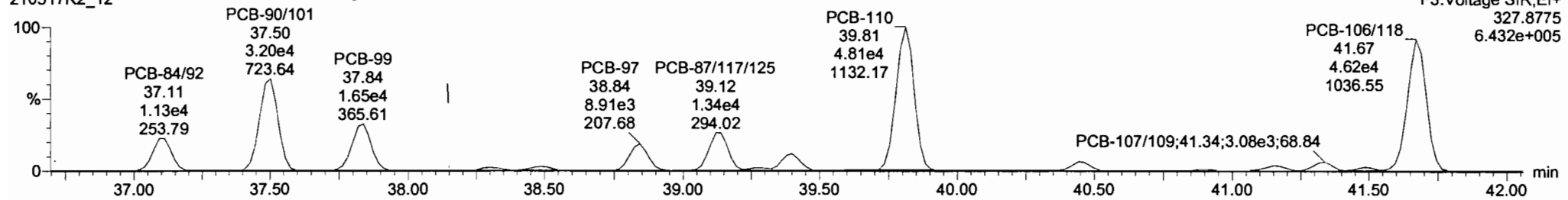
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**PCB-119**

210517K2\_12

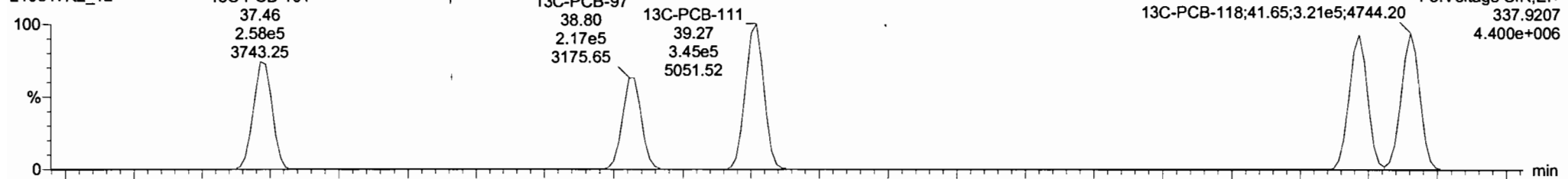


210517K2\_12

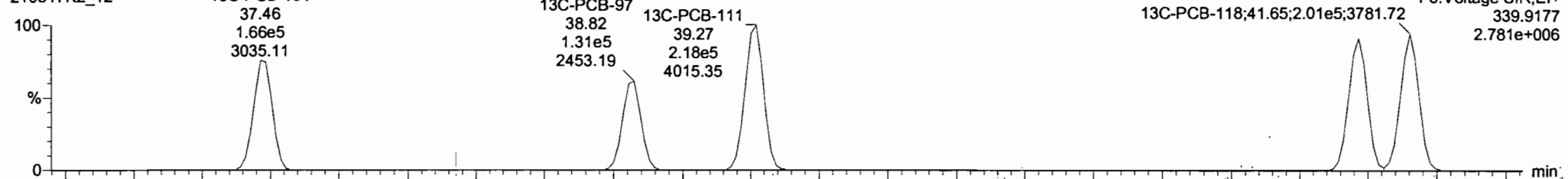


**13C-PCB-111**

210517K2\_12

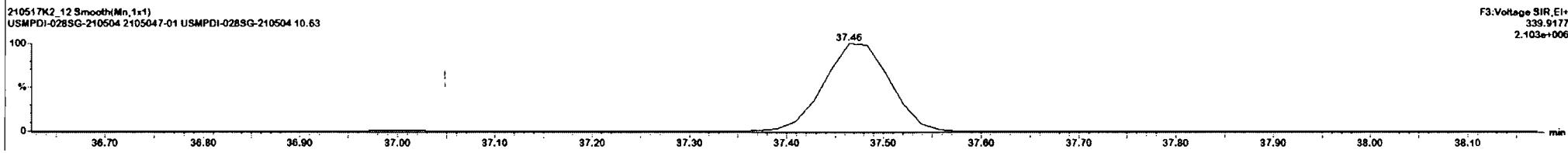
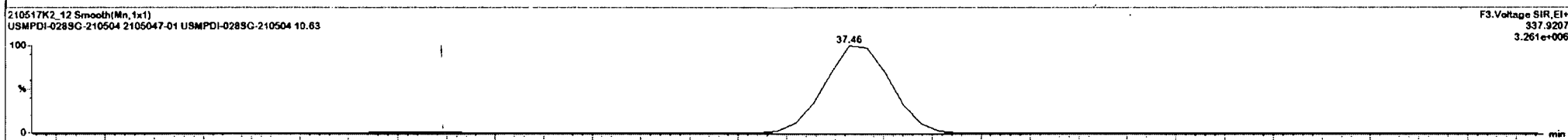
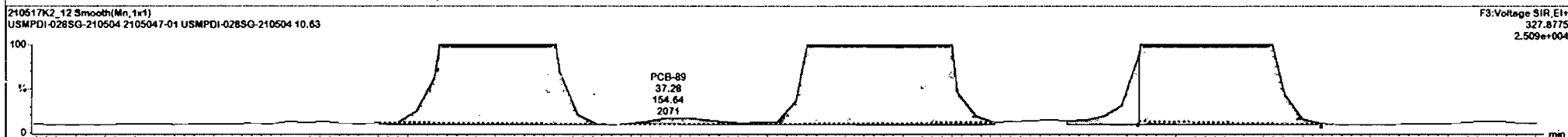
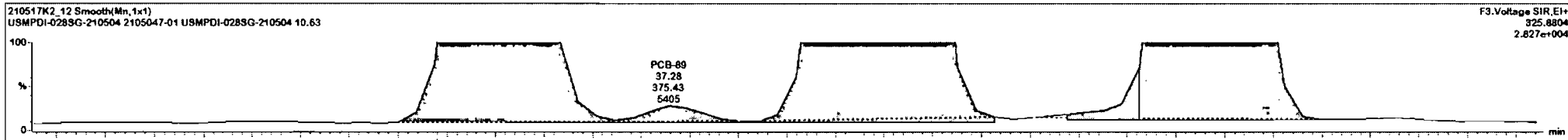


210517K2\_12

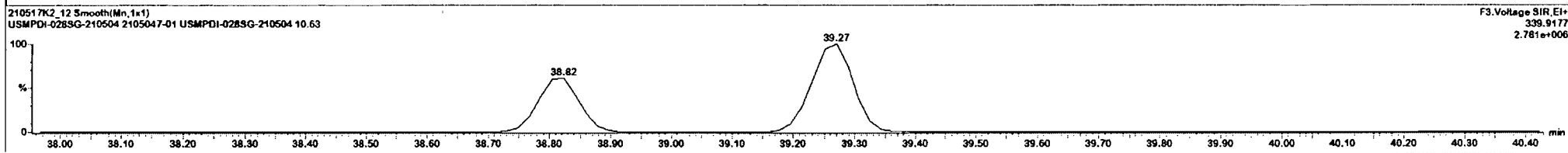
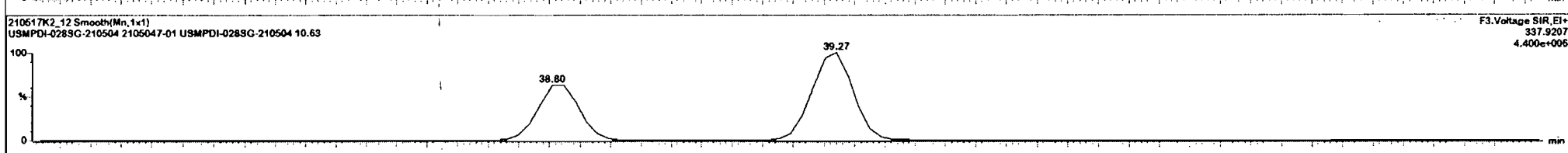
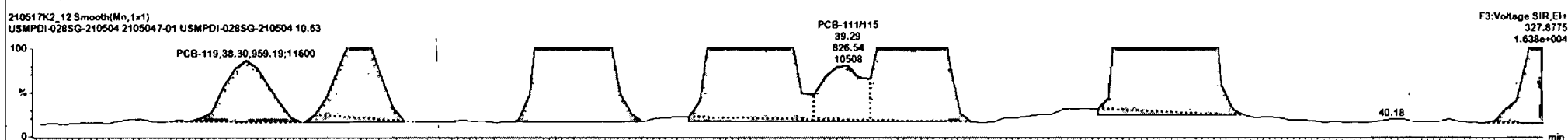
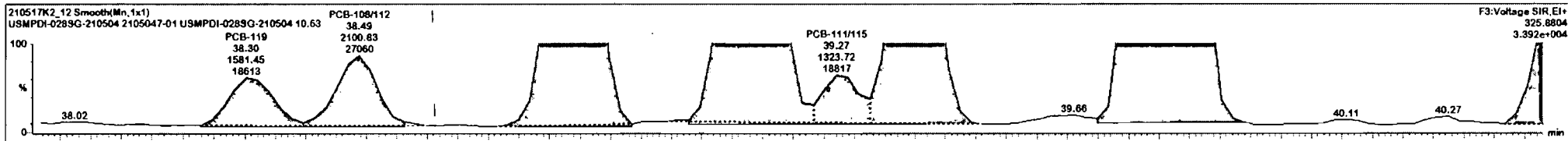


210517K2\_12 - 2105047-01 USMPDI-028SG-210504 10.63 - USMPDI-028SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	65 PCB-96	33.80	33.80	3.915e2	3.658e2	1.560	1.07	YES	2.6582	0.00000
2	66 PCB-103	34.36	34.36	6.162e2	4.759e2	1.560	1.29	YES	5.3357	0.00000
3	67 PCB-100	34.73	34.71	4.494e2	2.456e2	1.560	1.82	YES	3.1852	0.00000
4	68 PCB-94	35.19	35.21	3.146e2	1.856e2	1.560	1.89	NO	3.0782	3.0782
5	69 PCB-95/66/102	35.68	35.75	3.246e4	2.083e4	1.560	1.56	NO	254.69	254.69
6	70 PCB-93	35.81	35.83	3.532e2	2.859e2	1.560	1.24	YES	3.8955	0.00000
7	71 PCB-89/91	36.16	36.16	6.526e2	3.564e2	1.560	1.83	YES	51.294	0.00000
8	72 PCB-121	36.27	36.24	1.325e2	8.217e1	1.560	1.61	NO	0.75010	0.75010
9	73 PCB-84/82	37.09	37.11	1.743e4	1.143e4	1.560	1.53	NO	164.54	164.54
10	74 PCB-89	37.27	37.28	3.754e2	1.546e2	1.560	2.43	YES	2.1062	0.00000

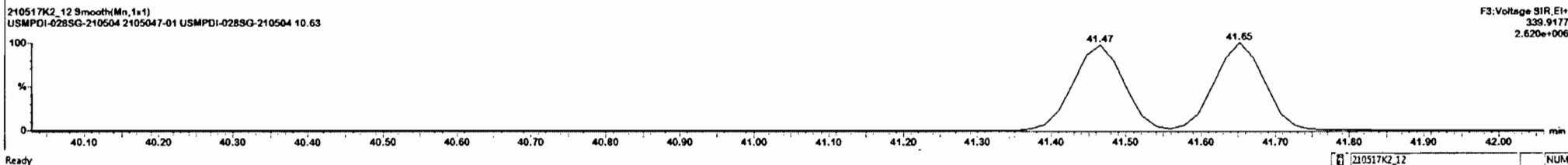
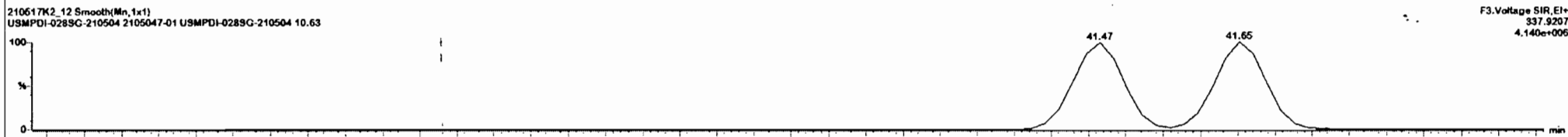
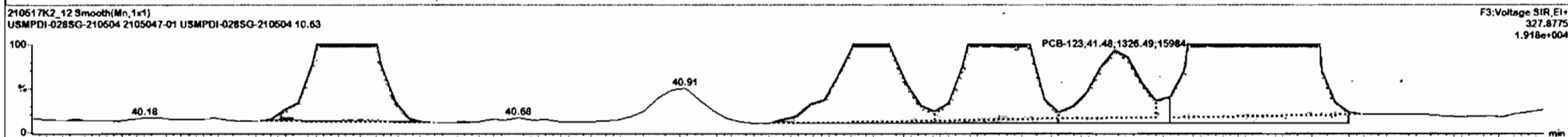
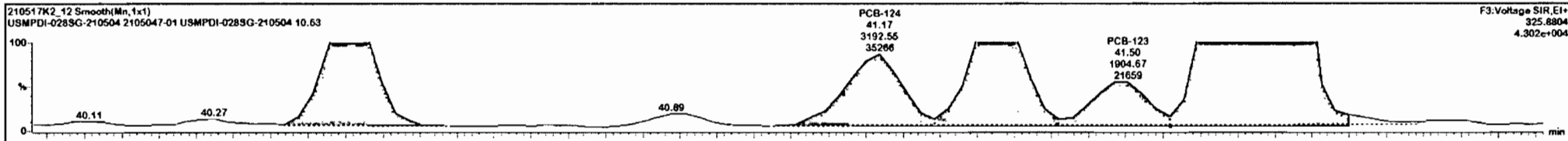


#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Prec)	RA	n/y	EMPC	Conc.
1	55 PCB-96	33.80	33.80	3.919e2	3.658e2	1.560	1.07	YES	2.6582	0.00000
2	56 PCB-103	34.36	34.36	6.162e2	4.759e2	1.560	1.29	YES	5.3357	0.00000
3	67 PCB-100	34.73	34.71	4.494e2	2.466e2	1.560	1.82	YES	3.1252	0.00000
4	58 PCB-94	35.19	35.21	3.140e2	1.856e2	1.560	1.69	NO	3.0782	3.0782
5	69 PCB-95/98/102	35.68	35.75	3.246e4	2.083e4	1.560	1.56	NO	254.69	254.69
6	70 PCB-93	35.81	35.83	3.532e2	2.859e2	1.560	1.24	YES	3.8955	0.00000
7	71 PCB-88/91	36.16	36.16	6.526e3	3.564e3	1.560	1.83	YES	51.294	0.00000
8	72 PCB-121	36.27	36.24	1.326e2	8.217e1	1.560	1.81	NO	0.75010	0.75010
9	73 PCB-84/92	37.09	37.11	1.745e4	1.143e4	1.560	1.53	NO	164.54	164.54
10	74 PCB-89	37.27	37.28	3.754e2	1.546e2	1.560	2.43	YES	2.1082	0.00000



210517K2\_12 - 2105047-01 USMPDI-028SG-210504 10.63 - USMPDI-028SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	55 PCB-96	33.80	33.83	3.919e2	3.668e2	1.560	1.07	YES	2.6582	0.00000
2	56 PCB-102	34.38	34.36	6.162e2	4.759e2	1.560	1.29	YES	5.3357	0.00000
3	57 PCB-100	34.73	34.71	4.494e2	2.466e2	1.560	1.82	YES	3.1252	0.00000
4	58 PCB-94	35.19	35.21	3.140e2	1.856e2	1.560	1.89	NO	3.0782	3.0782
5	89 PCB-95/68/102	35.68	35.75	3.246e4	2.083e4	1.560	1.56	NO	254.69	254.69
6	70 PCB-93	35.81	35.83	3.532e2	2.859e2	1.560	1.24	YES	3.8955	0.00000
7	71 PCB-88/91	36.16	36.16	6.525e3	3.564e3	1.560	1.83	YES	51.294	0.00000
8	72 PCB-121	36.27	36.24	1.326e4	8.217e1	1.560	1.81	NO	0.75010	0.75010
9	73 PCB-84/92	37.09	37.11	1.742e4	1.143e4	1.560	1.53	NO	164.54	164.54
10	74 PCB-89	37.27	37.28	3.754e2	1.546e2	1.560	2.43	YES	2.1062	0.00000



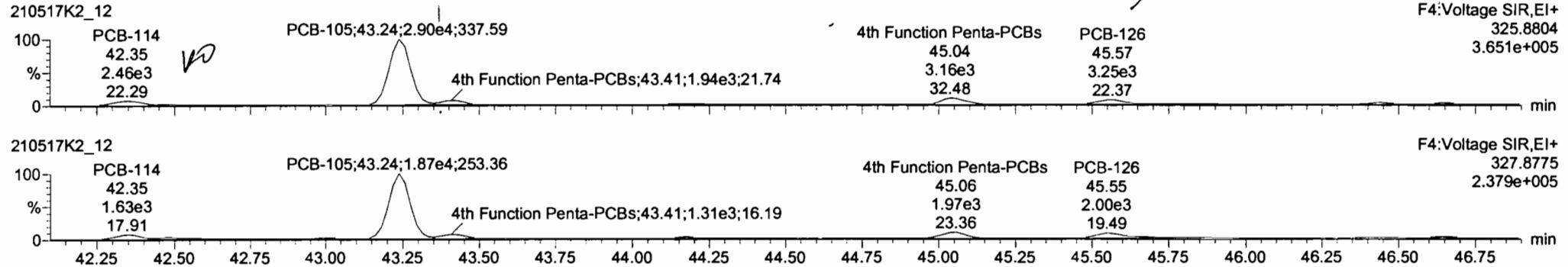
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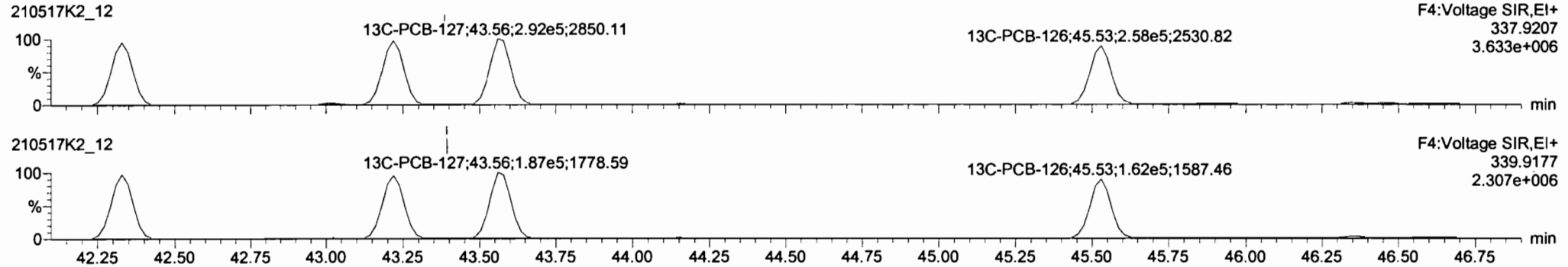
Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

Name: 210517K2\_12, Date: 18-May-2021, Time: 01:54:16, ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

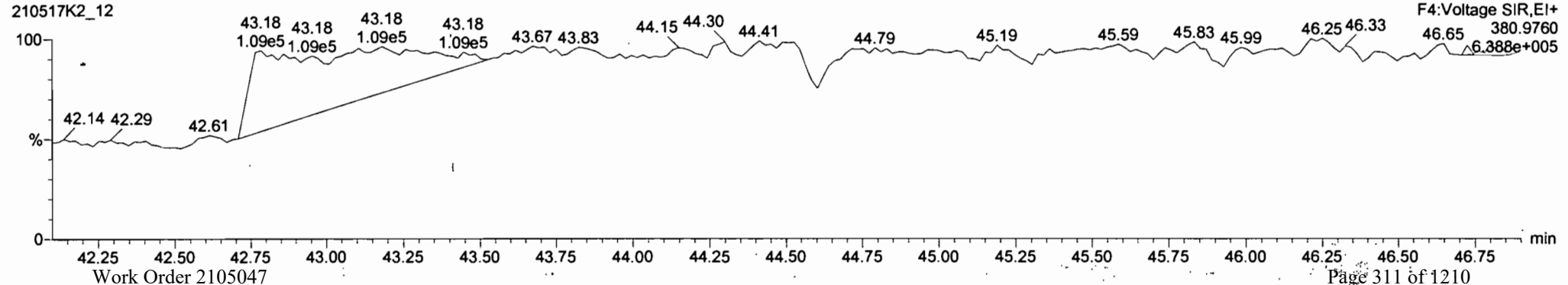
**PCB-114**



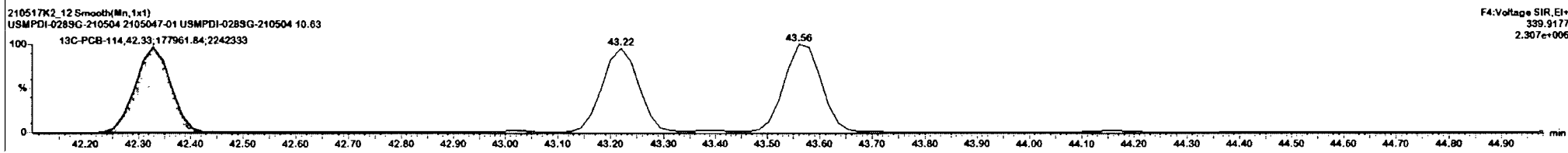
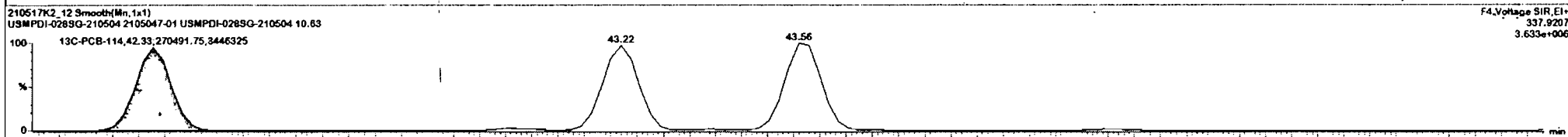
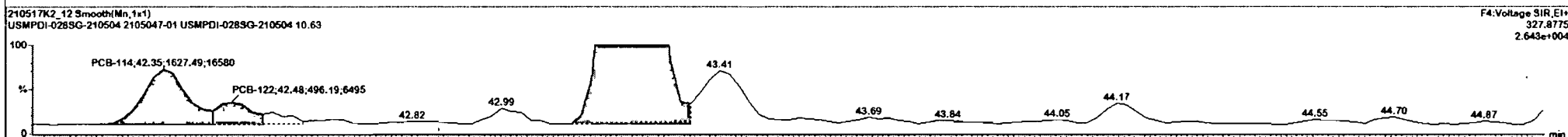
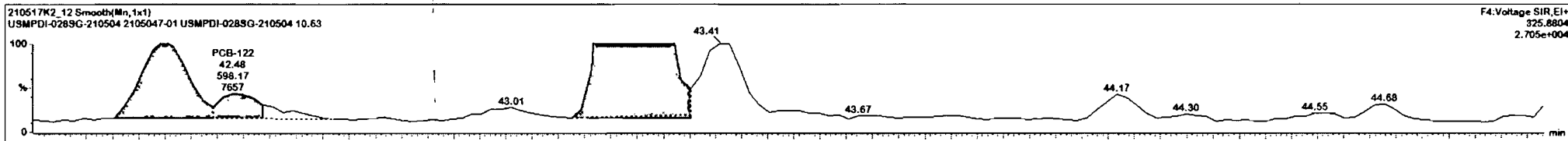
**13C-PCB-114**



**PFK4a**

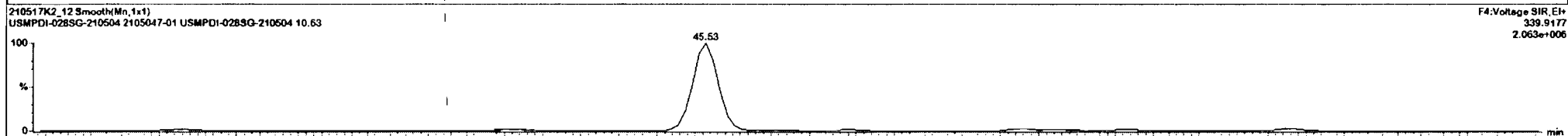
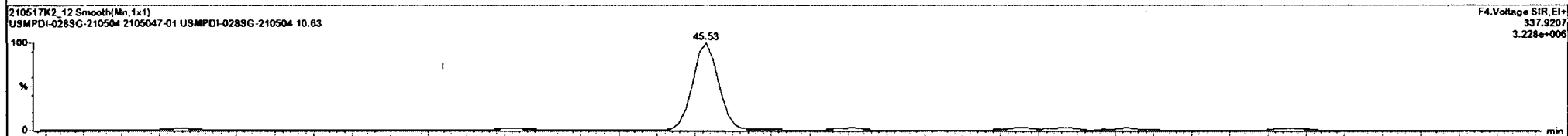
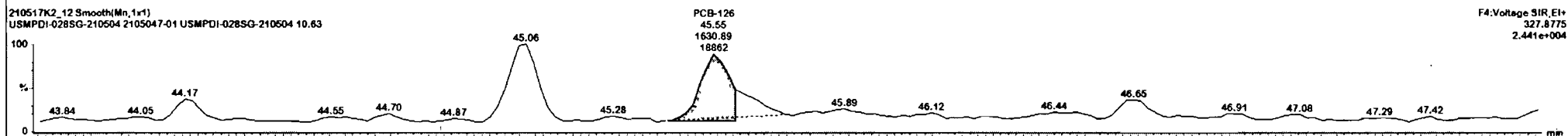
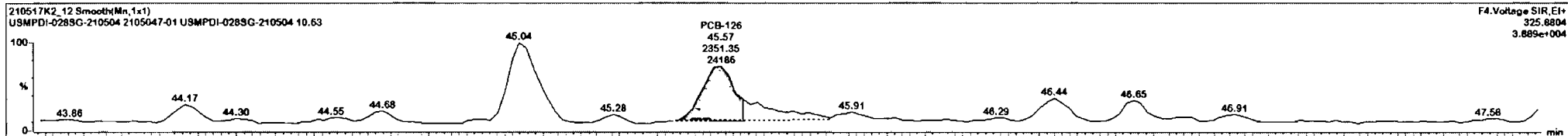


#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	93 PCB-114	42.25	42.25	2.455e3	1.627e3	1.560	1.51	NO	16.794	16.794
2	94 PCB-122	42.50	42.48	5.982e2	4.962e2	1.560	1.21	YES	4.6999	0.00000
3	95 PCB-105	43.24	43.24	2.911e4	1.882e4	1.550	1.55	NO	203.97	203.97
4	97 PCB-125	45.55	45.57	2.351e3	1.631e3	1.560	1.44	NO	16.450	16.450



210517K2\_12 - 2105047-01 USMPDI-028SG-210504 10.63 - USMPDI-028SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	nY	EMPC	Conc.
1	93 PCB-114	42.35	42.35	2.458e3	1.627e3	1.560	1.51	NO	16.794	16.794
2	94 PCB-122	42.50	42.48	5.982e2	4.962e2	1.560	1.21	YES	4.6999	0.00000
3	95 PCB-105	43.24	43.24	2.911e4	1.822e4	1.550	1.55	NO	203.97	203.97
4	97 PCB-126	45.55	45.57	2.351e3	1.631e3	1.560	1.44	NO	16.450	16.450



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Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

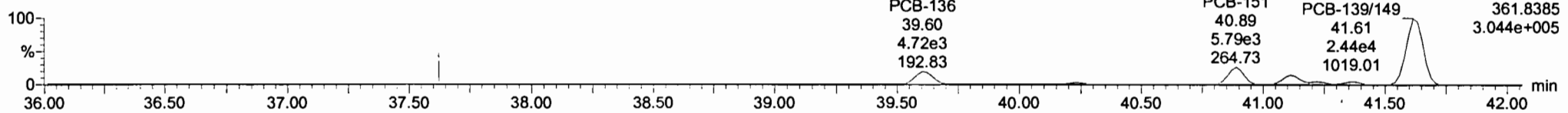
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**PCB-155**

210517K2\_12

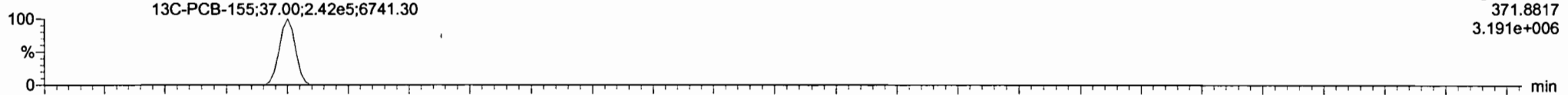


210517K2\_12

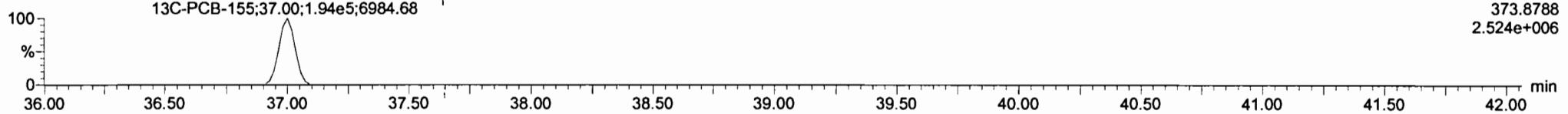


**13C-PCB-155**

210517K2\_12

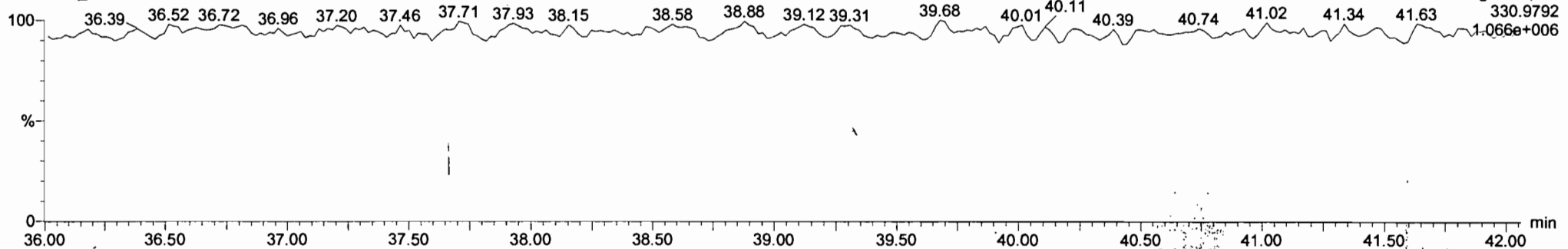


210517K2\_12



**PFK3c**

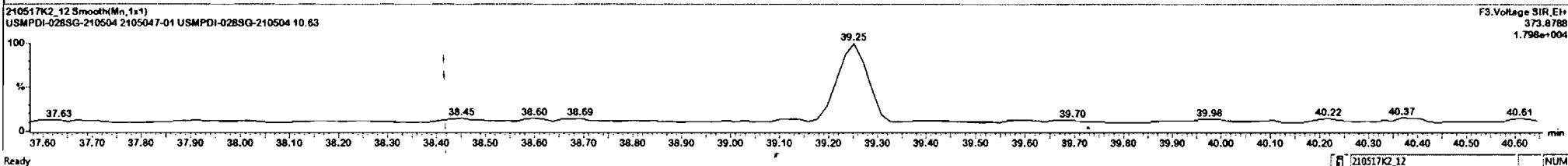
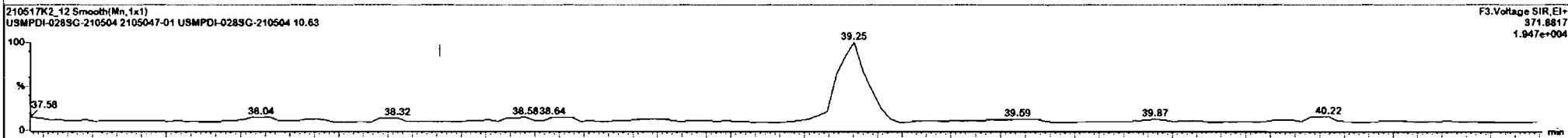
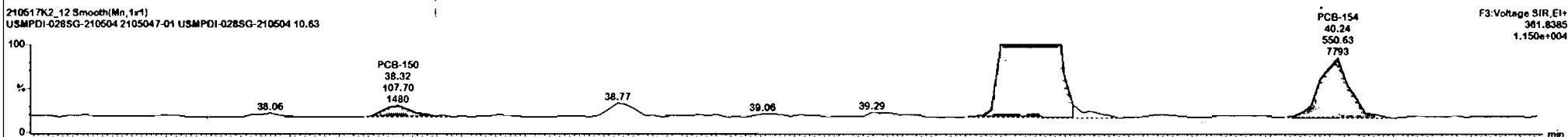
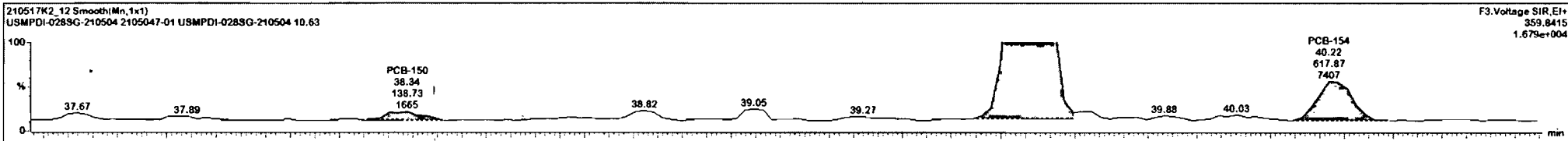
210517K2\_12





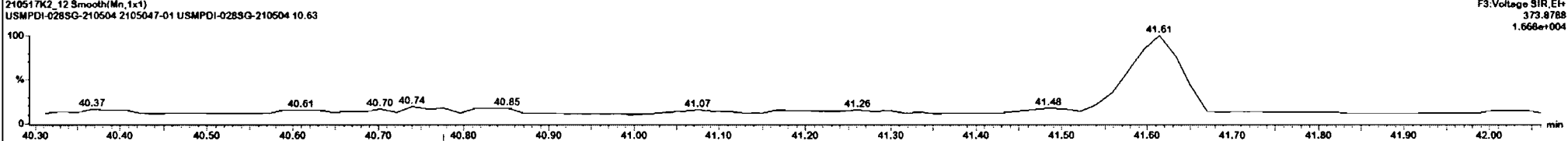
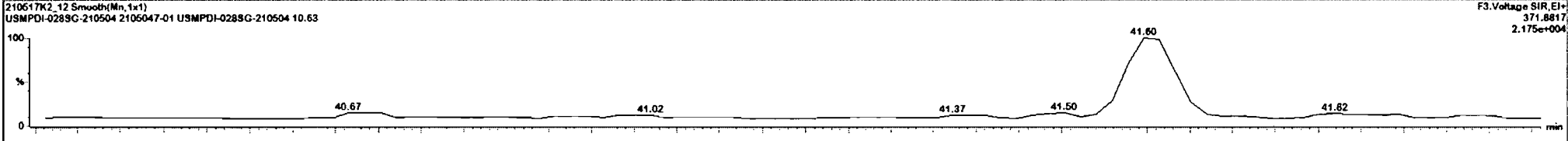
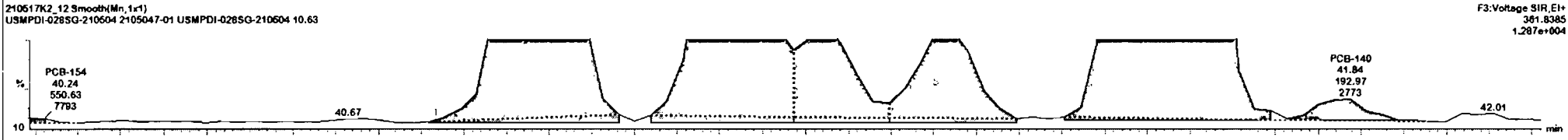
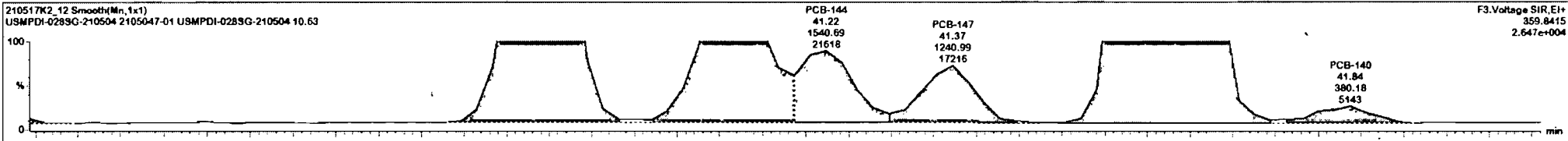
210517K2\_12 - 2105047-01 USMPDI-028SG-210504 10.63 - USMPDI-028SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EI/PC	Conc.
1	99 PCB-150	38.34	38.34	1.387e2	1.077e2	1.240	1.29	NO	1.2075	1.2075
2	1... PCB-136	39.62	39.69	5.457e3	4.652e3	1.240	1.17	NO	52.577	52.577
3	1... PCB-154	40.24	40.22	6.179e2	5.506e2	1.240	1.12	NO	7.4222	7.4222
4	1... PCB-151	40.39	40.39	7.545e2	5.507e3	1.240	1.28	NO	91.259	91.359
5	1... PCB-135	41.11	41.11	4.378e3	3.478e3	1.240	1.26	NO	49.741	49.741
6	1... PCB-144	41.22	41.22	1.541e3	9.187e2	1.240	1.65	YES	13.824	0.00000
7	1... PCB-147	41.37	41.37	1.241e3	9.974e2	1.240	1.24	NO	14.375	14.375
8	1... PCB-139/145	41.83	41.81	3.063e4	2.449e4	1.240	1.25	NO	326.40	326.40
9	1... PCB-140	41.84	41.84	3.977e2	1.930e2	1.240	2.08	YES	3.0335	0.00000



210517K2\_12 - 2105047-01 USMPDI-028SG-210504 10.63 - USMPDI-028SG-210504

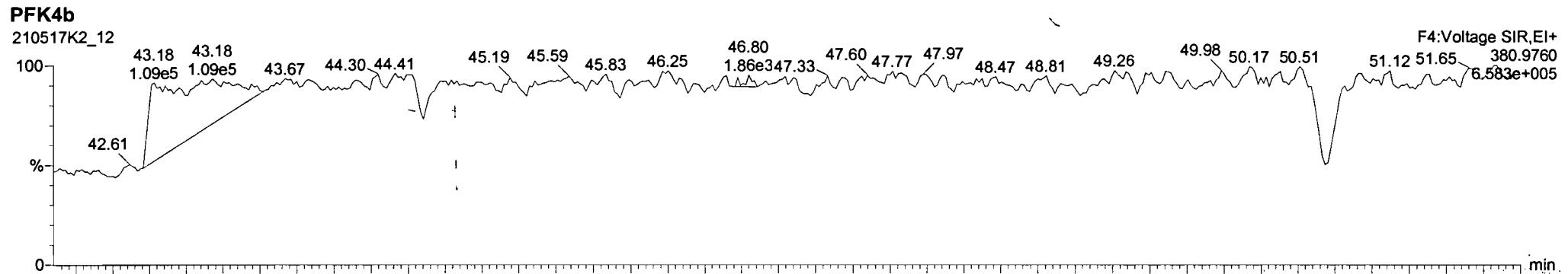
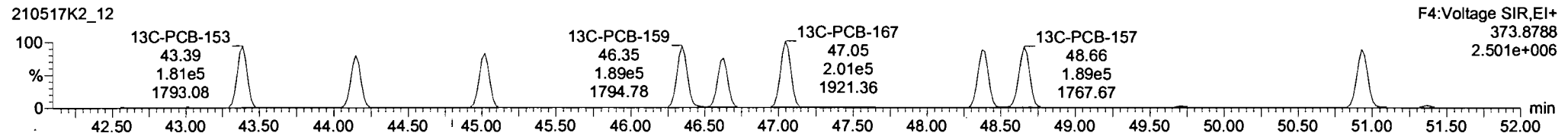
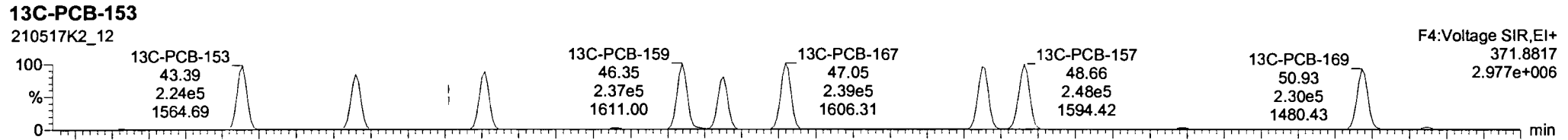
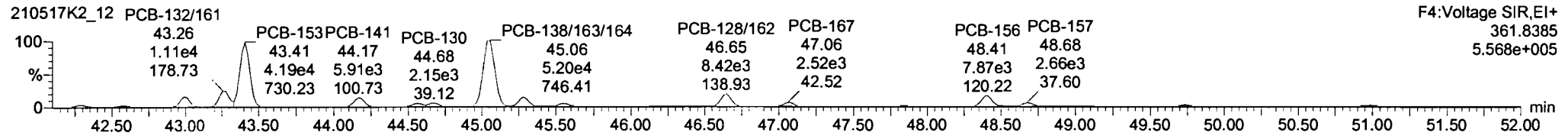
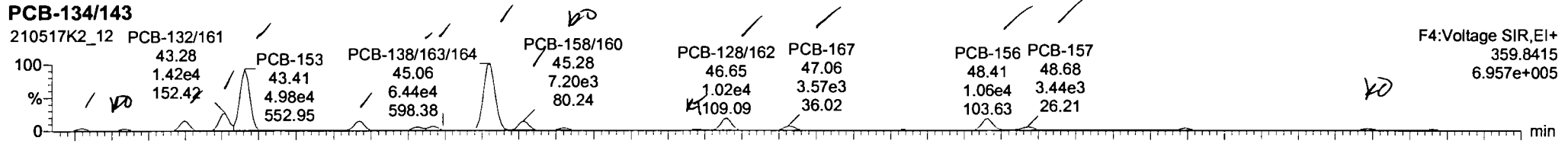
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>o</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	99 PCB-150	38.34	38.34	1.387e2	1.077e2	1.240	1.29	NO	1.2075	1.2075
2	1.. PCB-136	39.62	39.60	5.467e3	4.652e3	1.240	1.17	NO	52.577	52.577
3	1.. PCB-154	40.24	40.22	6.179e2	5.066e2	1.240	1.12	NO	7.4222	7.4222
4	1.. PCB-151	40.29	40.39	7.545e3	5.967e3	1.240	1.28	NO	91.359	91.359
5	1.. PCB-135	41.11	41.11	4.378e3	3.478e3	1.240	1.28	NO	49.741	49.741
6	1.. PCB-144	41.22	41.22	1.541e3	9.187e2	1.240	1.68	YES	13.624	0.00000
7	1.. PCB-147	41.37	41.37	1.241e3	9.974e2	1.240	1.24	NO	14.375	14.375
8	1.. PCB-139/149	41.83	41.61	3.083e4	2.448e4	1.240	1.25	NO	326.32	326.32
9	1.. PCB-140	41.84	41.84	3.802e2	1.930e2	1.240	1.97	YES	3.0335	0.00000



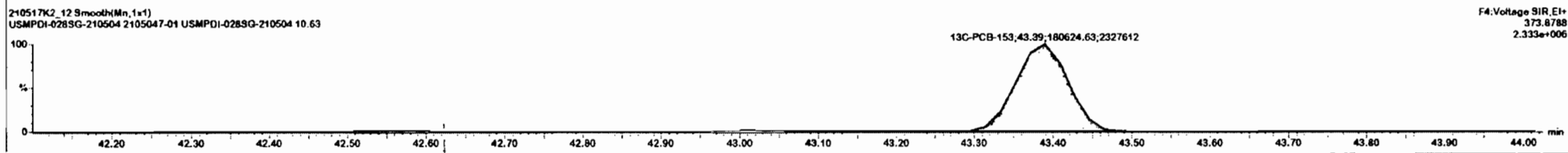
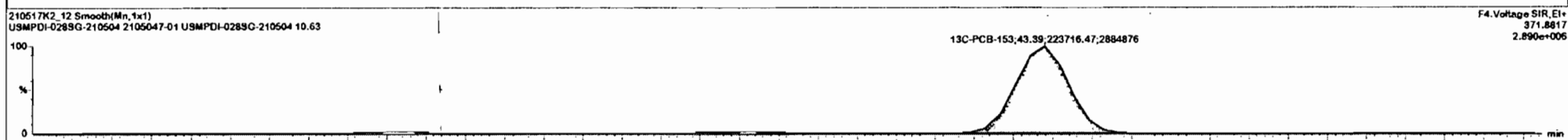
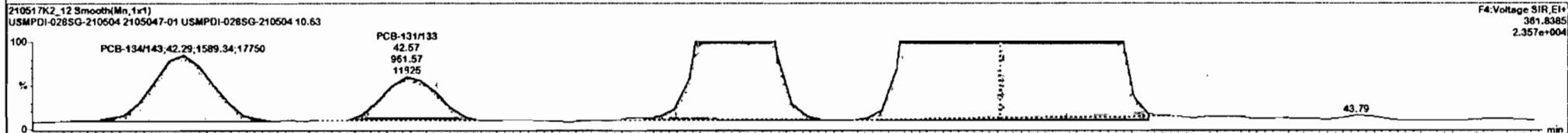
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Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

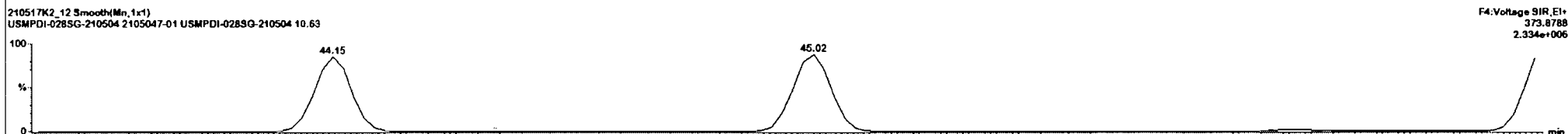
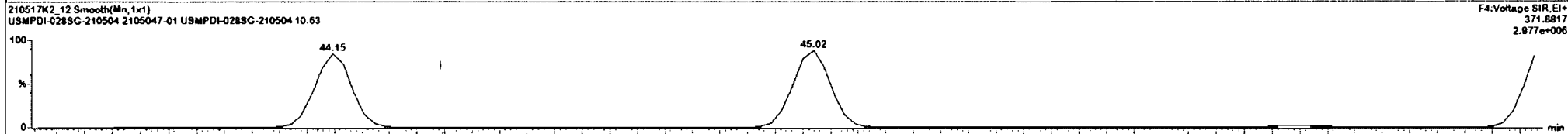
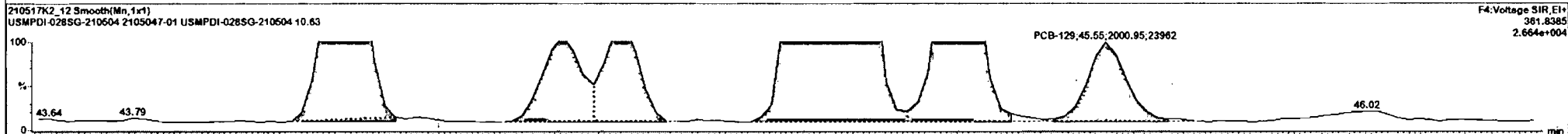
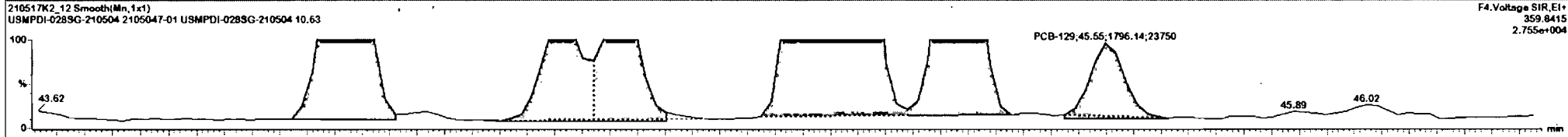
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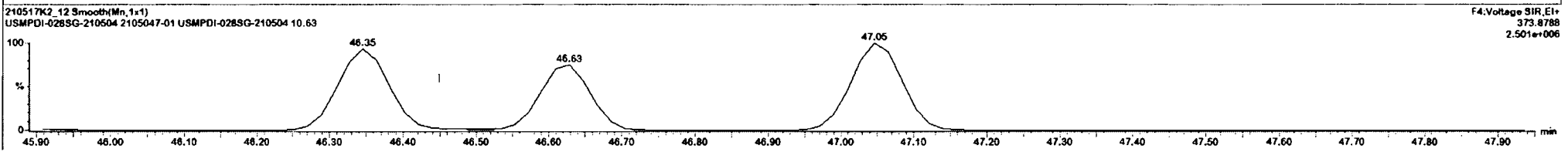
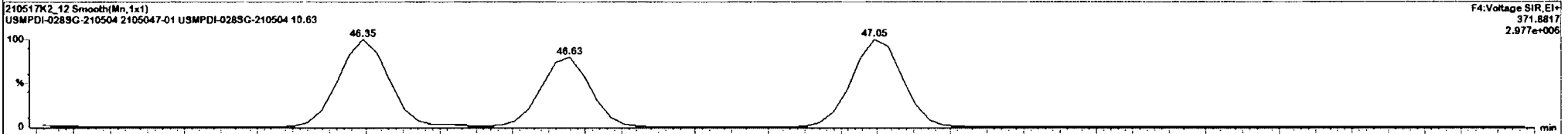
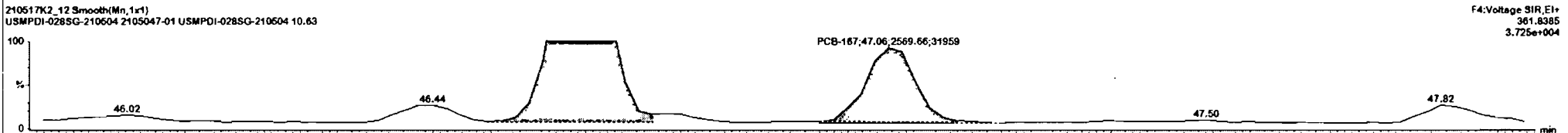
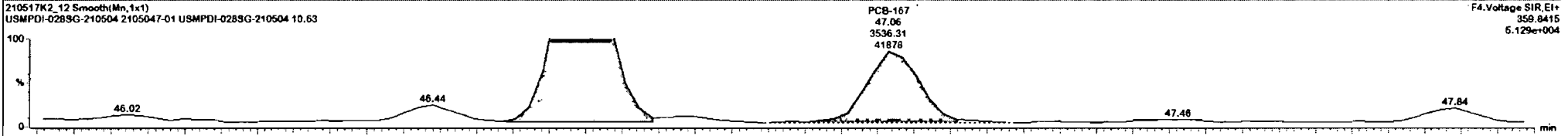
#	Name	Pred. RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	rly	EMPC	Conc.
1	111 PCB-134/143	42.29	42.29	2.075e3	1.589e3	1.240	1.31	NO	25.224	25.224
2	112 PCB-131/133	42.59	42.59	1.451e3	9.616e2	1.240	1.51	YES	13.061	0.00000
3	114 PCB-146/195	42.99	42.99	7.791e3	6.561e3	1.240	1.16	NO	75.255	75.255
4	115 PCB-132/161	43.24	43.28	1.423e4	1.116e4	1.240	1.26	NO	131.27	131.27
5	116 PCB-153	43.43	43.41	4.996e4	4.206e4	1.240	1.19	NO	459.11	459.11
6	113 PCB-141	44.16	44.17	7.729e3	6.026e3	1.240	1.28	NO	84.014	84.014
7	119 PCB-137	44.56	44.56	2.833e3	2.122e3	1.240	1.34	NO	29.787	29.787
8	120 PCB-130	44.88	44.88	3.025e3	2.168e3	1.240	1.38	NO	36.977	36.977
9	121 PCB-136/163/164	45.08	45.06	6.439e4	5.204e4	1.240	1.24	NO	548.87	548.87
10	122 PCB-158/160	45.32	45.28	7.204e3	6.110e3	1.240	1.16	NO	63.641	63.641



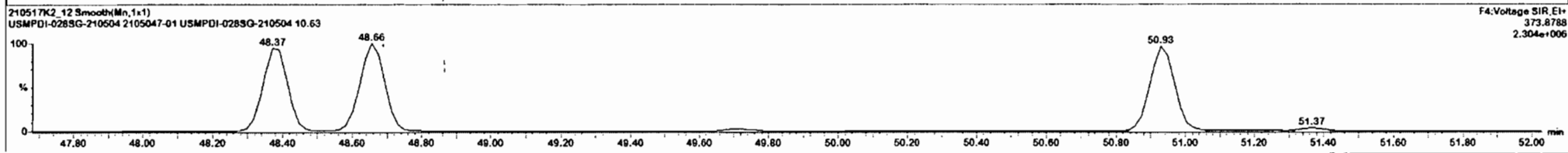
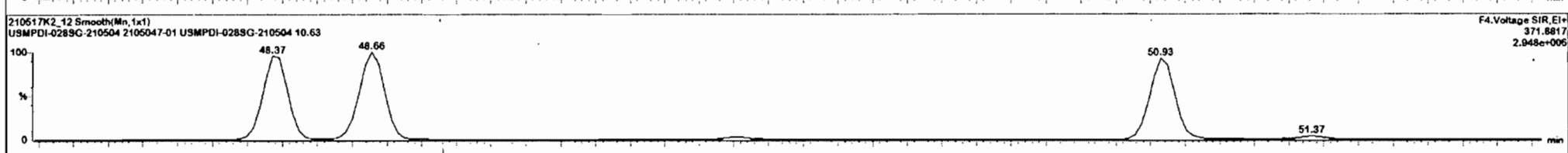
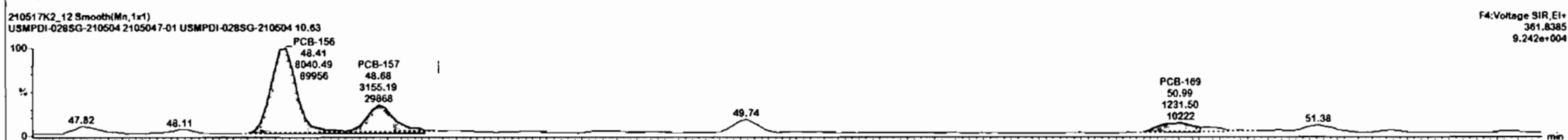
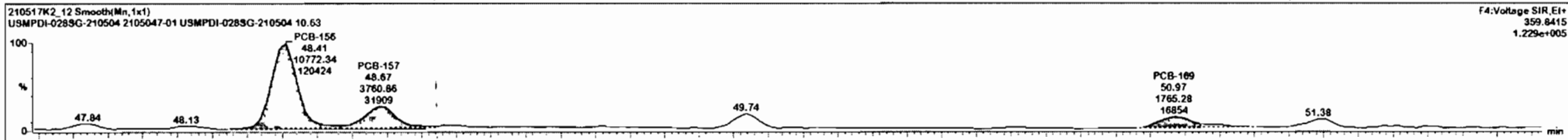
#	Name	Pred. RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	111 PCB-134/143	42.29	42.29	2.075e3	1.569e2	1.240	1.31	NO	25.224	25.224
2	112 PCB-131/133	42.59	42.59	1.451e3	9.616e2	1.240	1.51	YES	13.861	0.00000
3	114 PCB-146/195	42.99	42.99	7.791e3	6.581e3	1.240	1.18	NO	75.255	75.255
4	115 PCB-132/161	43.24	43.28	1.428e4	1.118e4	1.240	1.22	NO	131.27	131.27
5	118 PCB-153	43.43	43.41	4.996e4	4.206e4	1.240	1.19	NO	459.11	459.11
6	113 PCB-141	44.18	44.17	7.729e3	6.026e3	1.240	1.28	NO	84.014	84.014
7	119 PCB-137	44.56	44.56	2.833e3	2.122e3	1.240	1.34	NO	29.737	29.737
8	120 PCB-130	44.88	44.88	3.025e3	2.183e3	1.240	1.36	NO	36.977	36.977
9	121 PCB-136/163/164	45.08	45.06	6.439e4	5.204e4	1.240	1.24	NO	548.87	548.87
10	122 PCB-156/160	45.32	45.28	7.204e3	6.110e3	1.240	1.18	NO	83.841	83.841



#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	111 PCB-134/143	42.29	42.29	2.075e3	1.565e3	1.240	1.31	NO	25.224	25.224
2	112 PCB-131/133	42.59	42.59	1.451e3	9.616e2	1.240	1.51	YES	13.061	0.00000
3	114 PCB-146/195	42.99	42.99	7.791e3	6.581e2	1.240	1.16	NO	75.255	75.255
4	115 PCB-132/181	43.24	43.28	1.425e4	1.115e4	1.240	1.28	NO	131.27	131.27
5	116 PCB-153	43.43	43.41	4.996e4	4.206e4	1.240	1.19	NO	459.11	459.11
6	118 PCB-141	44.16	44.17	7.729e3	6.026e3	1.240	1.28	NO	84.014	84.014
7	119 PCB-137	44.56	44.56	2.833e3	2.122e3	1.240	1.34	NO	29.737	29.737
8	120 PCB-130	44.88	44.88	3.025e3	2.185e3	1.240	1.38	NO	38.977	38.977
9	121 PCB-136/183/164	45.08	45.06	6.439e4	5.204e4	1.240	1.24	NO	548.37	548.37
10	122 PCB-158/190	45.32	45.28	7.204e3	6.110e3	1.240	1.18	NO	63.641	63.641



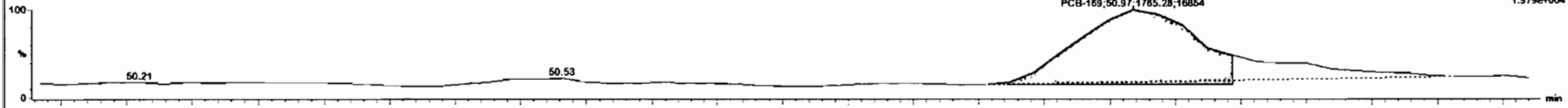
#	Name	Ret RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	rly	EMPC	Conc.
1	111 PCB-134/143	42.29	42.29	2.675e3	1.589e3	1.240	1.31	NO	25.224	25.224
2	112 PCB-131/133	42.59	42.59	1.451e3	9.616e2	1.240	1.51	YES	13.861	0.00000
3	114 PCB-146/19E	42.99	42.99	7.791e3	6.581e3	1.240	1.18	NO	75.255	75.255
4	115 PCB-132/191	43.24	43.28	1.428e4	1.116e4	1.248	1.2E	NO	131.27	131.27
5	116 PCB-153	43.43	43.41	4.996e4	4.206e4	1.248	1.19	NO	459.11	459.11
6	118 PCB-141	44.18	44.17	7.729e3	6.026e3	1.240	1.28	NO	84.014	84.014
7	119 PCB-137	44.56	44.56	2.833e3	2.122e3	1.240	1.34	NO	29.737	29.787
8	120 PCB-130	44.88	44.88	3.025e3	2.188e3	1.240	1.38	NO	38.977	38.977
9	121 PCB-138/163/164	45.08	45.06	6.439e4	5.204e4	1.240	1.24	NO	548.87	548.87
10	122 PCB-158/160	45.32	45.28	7.204e3	6.110e3	1.240	1.18	NO	63.641	63.641



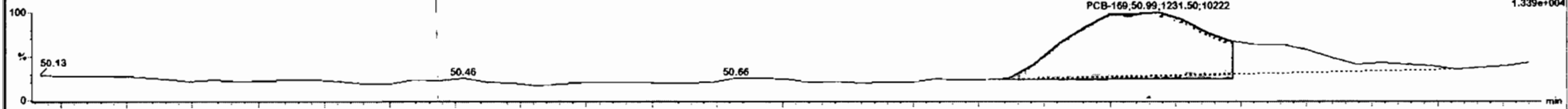
210517K2\_12 - 2105047-01 USMPDI-028SG-210504 10.63 - USMPDI-028SG-210504

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	rly	EMPC	Conc
1	111 PCB-134/143	42.29	42.29	2.675e3	1.589e3	1.240	1.31	NO	25.224	25.224
2	112 PCB-131/133	42.59	42.59	1.451e3	5.616e2	1.240	1.51	YES	13.861	0.00000
3	114 PCB-146/195	42.99	42.99	7.791e3	6.581e3	1.240	1.18	NO	75.255	75.255
4	115 PCB-132/181	43.24	43.28	1.428e4	1.116e4	1.240	1.28	NO	131.27	131.27
5	116 PCB-153	43.43	43.41	4.996e4	4.206e4	1.240	1.19	NO	459.11	459.11
6	118 PCB-141	44.15	44.17	7.729e3	6.026e3	1.240	1.28	NO	84.014	84.014
7	119 PCB-137	44.56	44.56	2.833e3	2.122e3	1.240	1.34	NO	29.787	29.787
8	120 PCB-130	44.83	44.83	3.025e3	2.165e3	1.240	1.38	NO	36.977	36.977
9	121 PCB-136/183/164	45.05	45.06	6.439e4	5.204e4	1.240	1.24	NO	548.87	548.87
10	122 PCB-156/180	45.32	45.28	7.204e3	6.110e3	1.240	1.18	NO	63.641	63.641

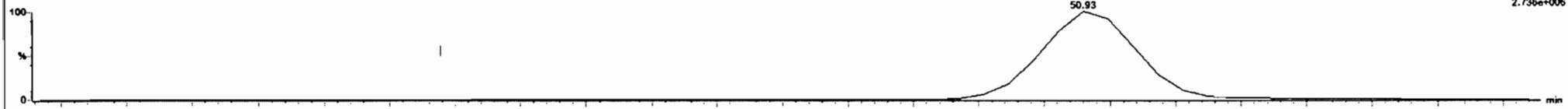
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USMPDI-028SG-210504 2105047-01 USMPDI-028SG-210504 10.63



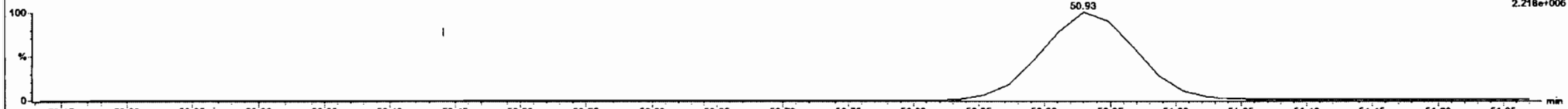
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210517K2\_12 Smooth(Mn,1x1)  
USMPDI-028SG-210504 2105047-01 USMPDI-028SG-210504 10.63



210517K2\_12 Smooth(Mn,1x1)  
USMPDI-028SG-210504 2105047-01 USMPDI-028SG-210504 10.63



Ready

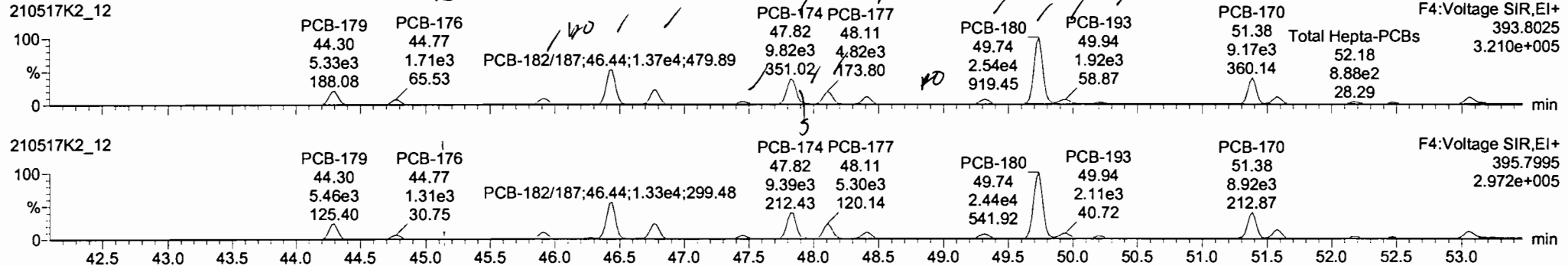


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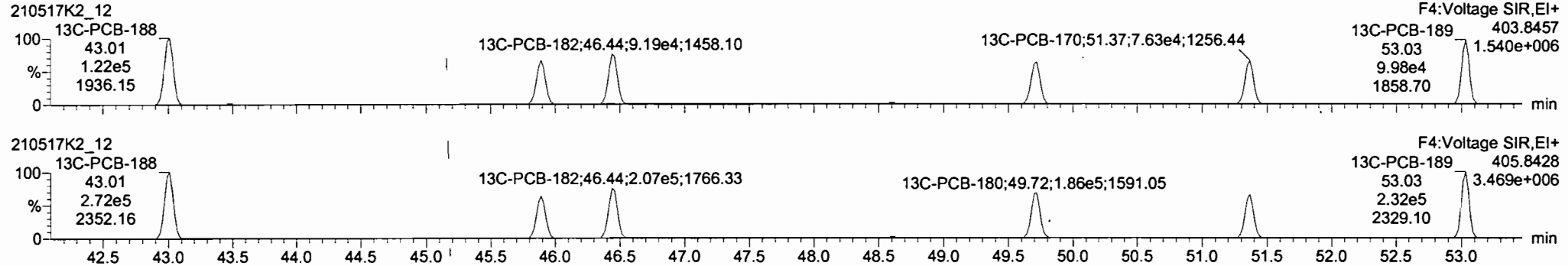
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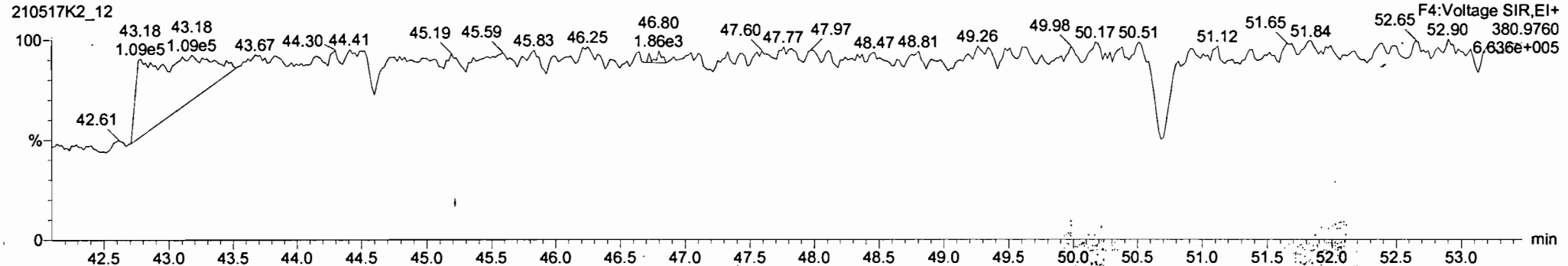
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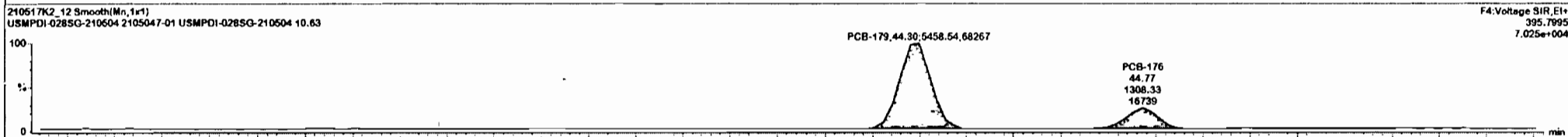
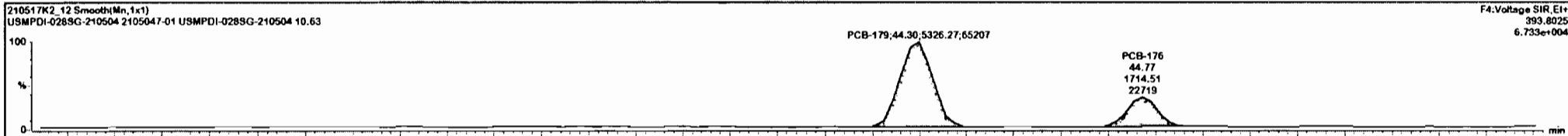
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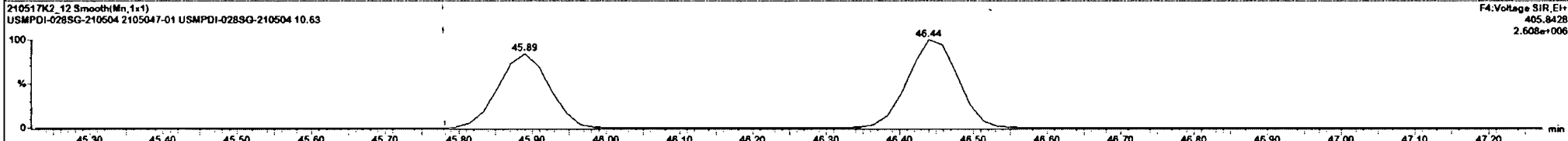
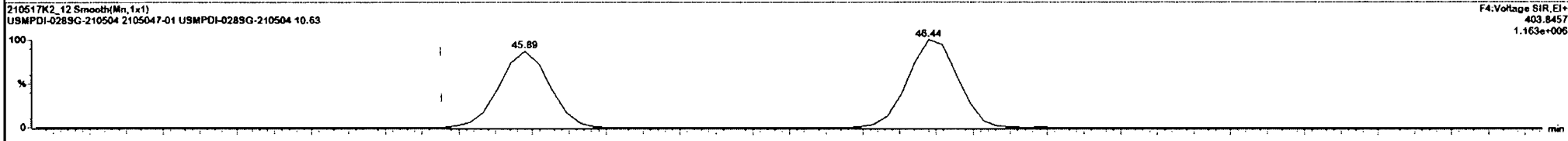
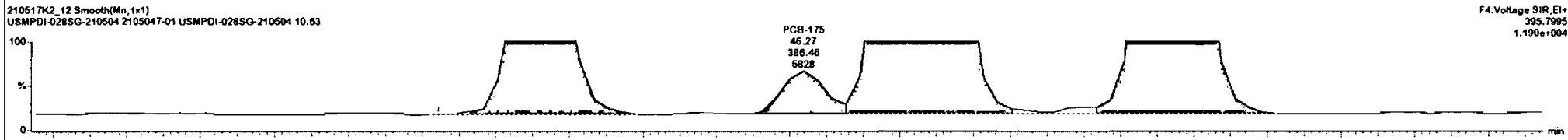
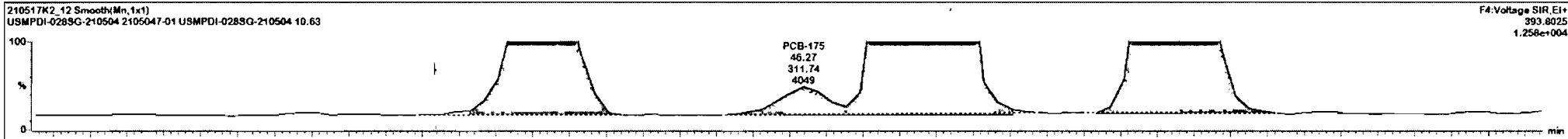
PFK4c



#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	rvy	EMPC	Conc.
1	133 PCB-179	44.30	44.30	5.325e3	5.455e3	1.050	0.96	NO	50.957	50.967
2	134 PCB-176	44.77	44.77	1.715e3	1.308e3	1.050	1.31	YES	12.239	0.00000
3	138 PCB-178	45.93	45.91	2.375e3	2.332e3	1.050	1.02	NO	26.799	26.799
4	137 PCB-175	46.29	46.27	3.117e2	3.865e2	1.050	0.81	YES	3.6242	0.00000
5	138 PCB-182/187	46.46	46.44	1.377e4	1.331e4	1.050	1.03	NO	146.00	146.00
6	139 PCB-183	46.75	46.78	5.586e3	5.530e3	1.050	1.01	NO	62.030	62.030
7	140 PCB-185	47.44	47.44	9.923e2	9.833e2	1.050	1.01	NO	11.997	11.997
8	141 PCB-174	47.82	47.82	9.752e3	9.189e3	1.050	1.06	NO	118.58	118.58
9	142 PCB-181	47.92	47.92	1.779e2	1.679e2	1.050	1.06	NO	1.9559	1.9559
10	143 PCB-177	48.11	48.11	4.824e3	5.793e3	1.050	0.91	NO	66.665	66.665

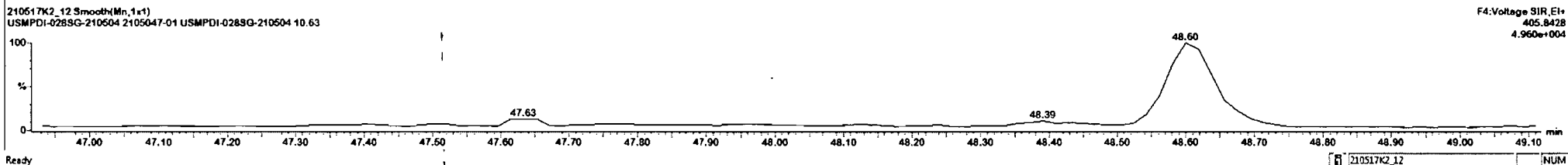
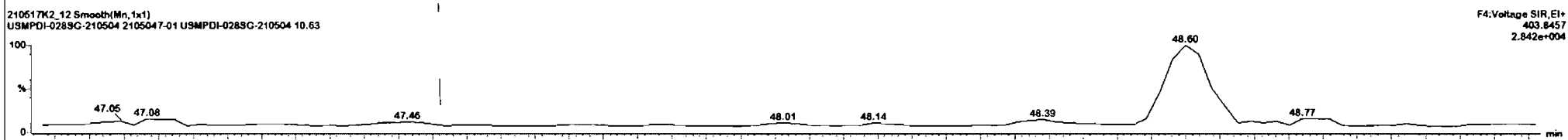
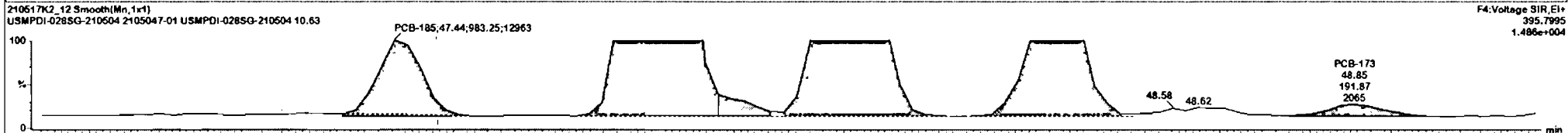
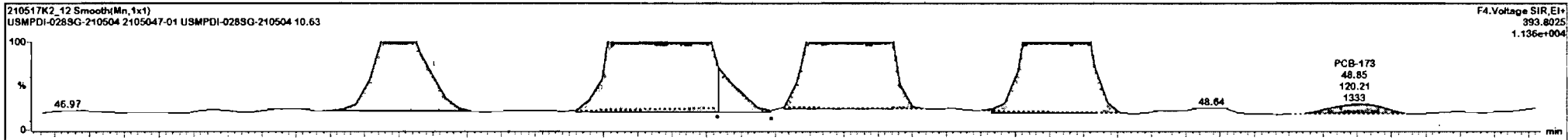


#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	ENPC	Conc.
1	133 PCB-179	44.26	44.36	5.325e3	5.455e3	1.050	0.96	NO	50.987	50.987
2	134 PCB-176	44.77	44.77	1.715e3	1.308e3	1.050	1.31	YES	12.239	0.00000
3	136 PCB-178	45.93	45.91	2.375e3	2.332e3	1.050	1.02	NO	28.799	28.799
4	137 PCB-175	46.29	46.27	3.117e2	3.865e2	1.050	0.81	YES	3.6242	0.00000
5	138 PCB-182/187	46.46	46.44	1.377e4	1.331e4	1.050	1.03	NO	146.00	146.00
6	139 PCB-183	46.78	46.78	5.586e3	5.536e3	1.050	1.01	NO	62.030	62.030
7	140 PCB-185	47.44	47.44	9.923e2	9.832e2	1.050	1.01	NO	11.997	11.997
8	141 PCB-174	47.82	47.82	9.752e3	9.169e3	1.050	1.06	NO	118.38	118.38
9	142 PCB-181	47.92	47.92	1.779e2	1.679e2	1.050	1.06	NO	1.9559	1.9559
10	143 PCB-177	48.11	48.11	4.824e3	5.293e3	1.050	0.91	NO	86.965	86.965



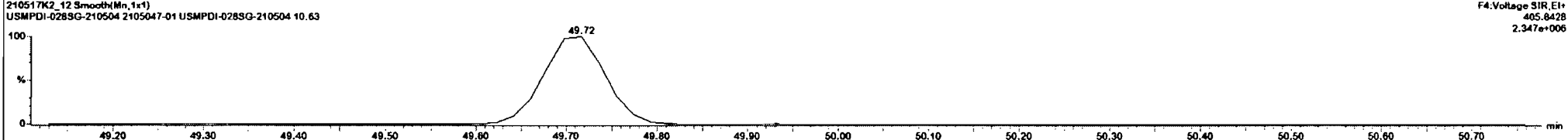
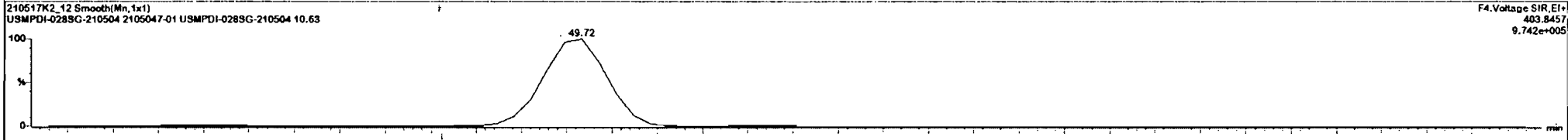
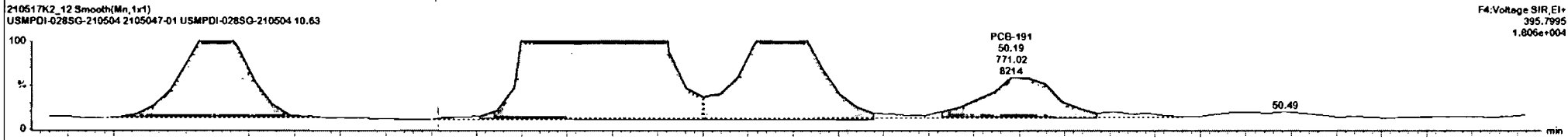
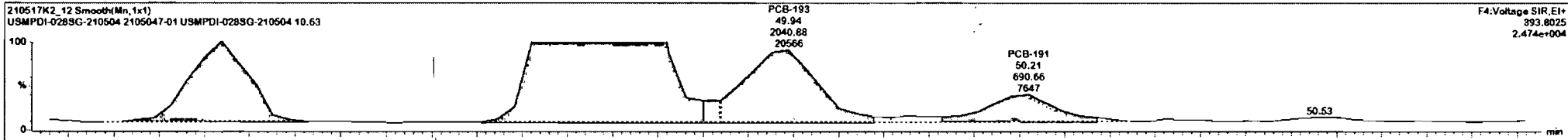
210517K2\_12 - 2105047-01 USMPDI-028SG-210504 10.63 - USMPDI-028SG-210504

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	rvy	EMPC	Conc.
1	133 PCB-179	44.30	44.30	5.125e2	5.455e2	1.050	0.98	NO	50.967	50.967
2	134 PCB-176	44.77	44.77	1.715e3	1.308e2	1.050	1.31	YES	12.239	0.00000
3	136 PCB-178	45.93	45.91	2.375e3	2.332e3	1.050	1.02	NO	28.796	28.799
4	137 PCB-175	45.29	46.27	3.117e2	3.885e2	1.050	0.81	YES	3.6242	0.00000
5	138 PCB-182/187	46.46	46.44	1.377e4	1.331e4	1.050	1.03	NO	146.00	146.00
6	139 PCB-183	46.78	46.78	5.588e3	5.530e3	1.050	1.01	NO	62.030	62.030
7	140 PCB-185	47.44	47.44	9.923e2	9.833e2	1.050	1.01	NO	11.997	11.997
8	141 PCB-174	47.62	47.62	9.752e3	9.169e3	1.050	1.08	NO	118.88	118.88
9	142 PCB-181	47.92	47.92	1.779e2	1.678e2	1.050	1.08	NO	1.9559	1.9559
10	143 PCB-177	48.11	48.11	4.624e3	5.791e3	1.050	0.91	NO	68.865	68.685

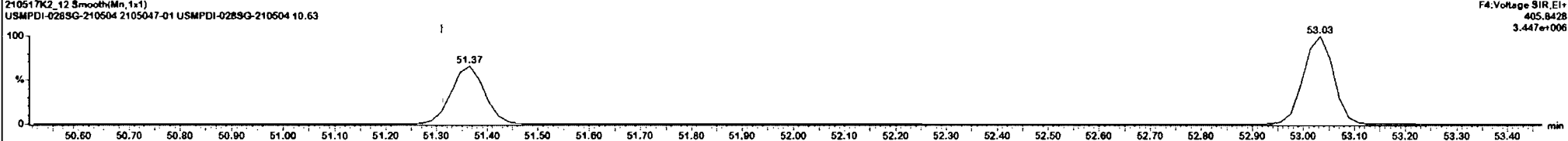
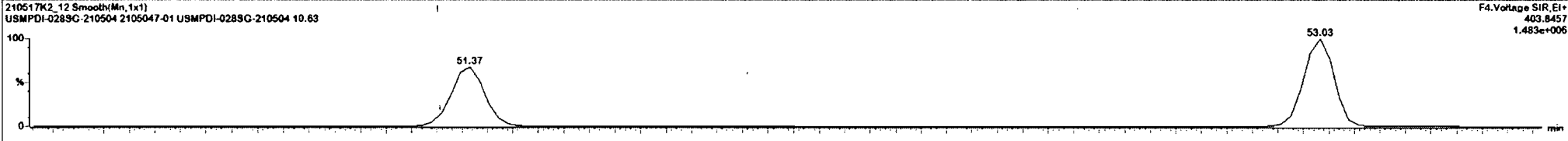
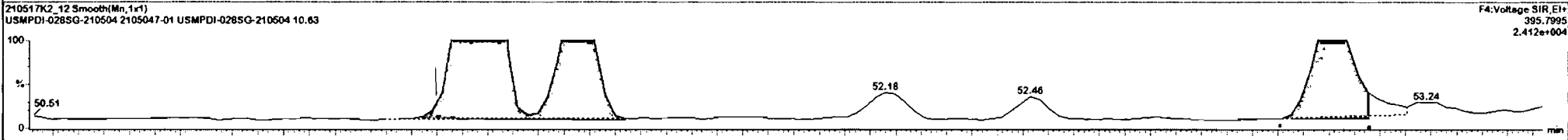
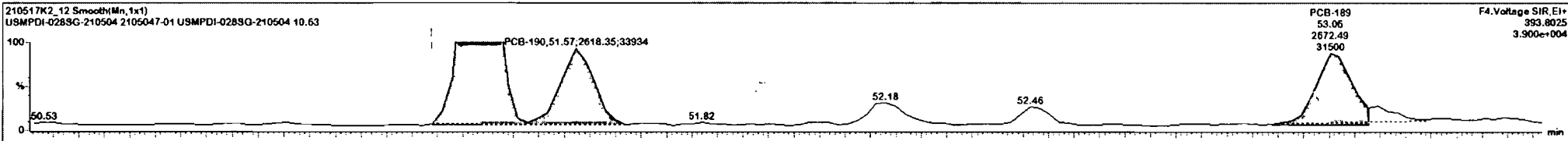


210517K2\_12 - 2105047-01 USMPDI-028SG-210504 10.63 - USMPDI-028SG-210504

#	Name	Pred. RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	133 PCB-179	44.30	44.30	5.325e3	5.459e3	1.050	0.98	NO	50.957	50.967
2	134 PCB-176	44.77	44.77	1.715e3	1.308e3	1.050	1.31	YES	12.239	0.00000
3	136 PCB-178	45.93	45.91	2.375e3	2.332e3	1.050	1.02	NO	22.799	28.799
4	137 PCB-175	46.29	46.27	3.117e2	3.865e2	1.050	0.61	YES	3.6242	0.00000
5	133 PCB-182/187	48.46	48.44	1.377e4	1.331e4	1.050	1.03	NO	146.00	146.00
6	139 PCB-183	48.78	48.78	5.585e3	5.530e3	1.050	1.01	NO	62.030	62.030
7	140 PCB-185	47.44	47.44	9.923e2	9.833e2	1.050	1.01	NO	11.997	11.997
8	141 PCB-174	47.82	47.82	9.752e3	9.189e3	1.050	1.08	NO	118.38	118.38
9	142 PCB-181	47.92	47.92	1.779e2	1.679e2	1.050	1.08	NO	1.9559	1.9559
10	143 PCB-177	48.11	48.11	4.824e3	5.793e3	1.050	0.91	NO	68.065	66.065



#	Name	Pred. RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EI/PC	Conc.
1	133 PCB-179	44.30	44.30	5.22e3	5.45e3	1.050	0.98	N/D	50.967	50.967
2	134 PCB-176	44.77	44.77	1.715e3	1.368e3	1.050	1.31	YES	12.279	0.00000
3	136 PCB-178	45.93	45.91	2.375e3	2.332e3	1.050	1.02	N/D	28.799	28.799
4	137 PCB-175	46.29	46.27	3.117e3	3.865e3	1.050	0.81	YES	3.6242	0.00000
5	138 PCB-182/187	46.46	46.44	1.377e4	1.331e4	1.050	1.03	N/D	146.00	146.00
6	139 PCB-183	46.78	46.79	5.586e3	5.530e3	1.050	1.01	N/D	62.030	62.030
7	140 PCB-185	47.44	47.44	9.923e2	9.833e2	1.050	1.01	N/D	11.997	11.997
8	141 PCB-174	47.82	47.82	9.752e2	9.189e2	1.050	1.06	N/D	118.88	118.88
9	142 PCB-181	47.92	47.92	1.779e2	1.675e2	1.050	1.06	N/D	1.9559	1.9559
10	143 PCB-177	48.11	48.11	4.824e3	5.793e3	1.050	0.91	N/D	66.665	66.665



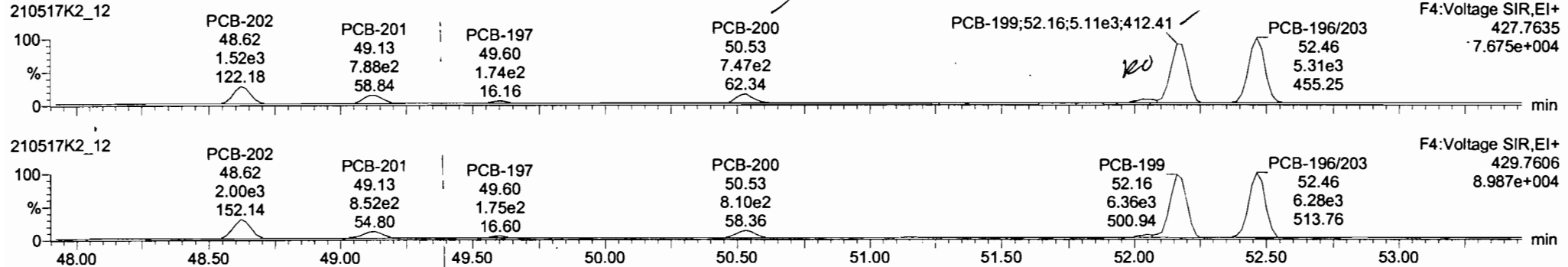
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Last Altered: Tuesday, May 18, 2021 08:58:01 Pacific Daylight Time

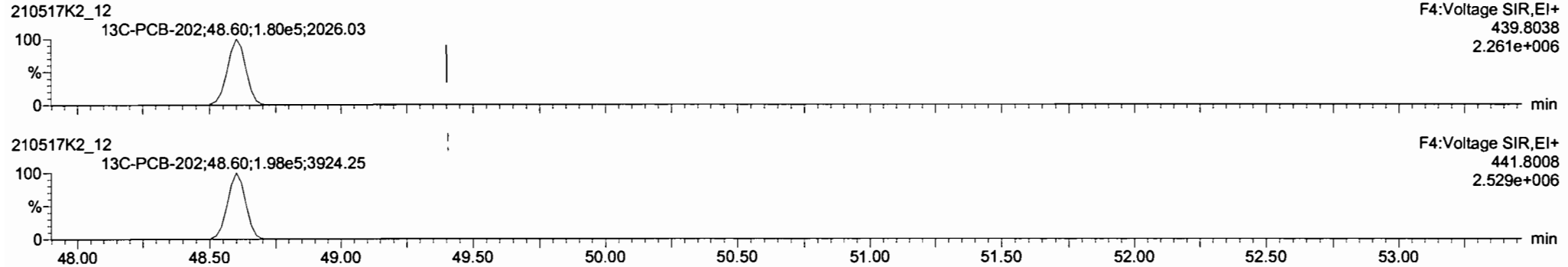
Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

Name: 210517K2\_12, Date: 18-May-2021, Time: 01:54:16, ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

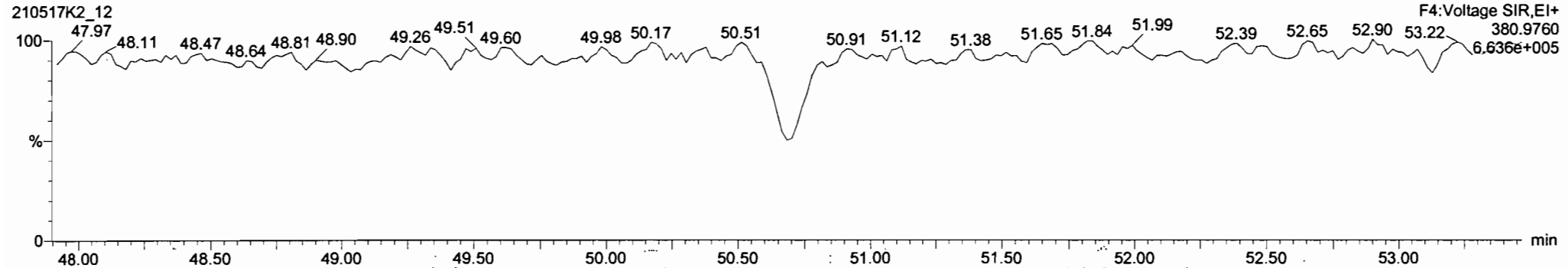
**PCB-202**



**13C-PCB-202**

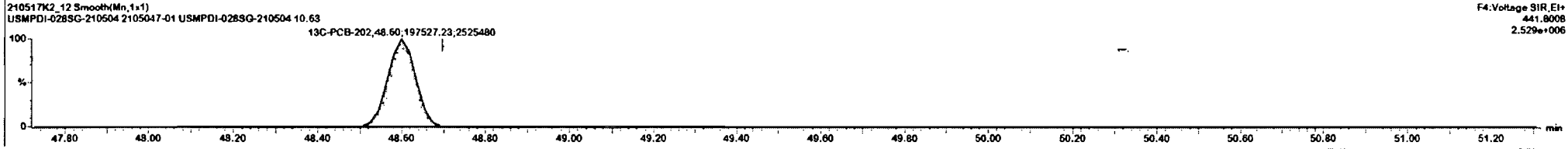
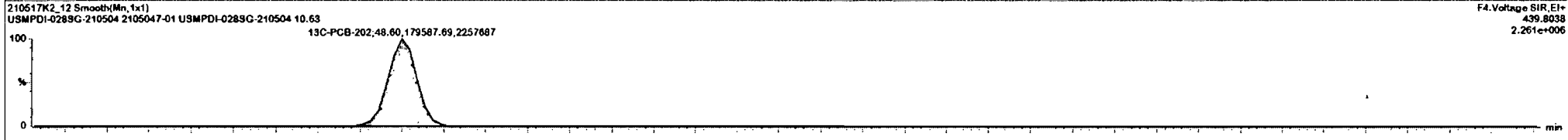
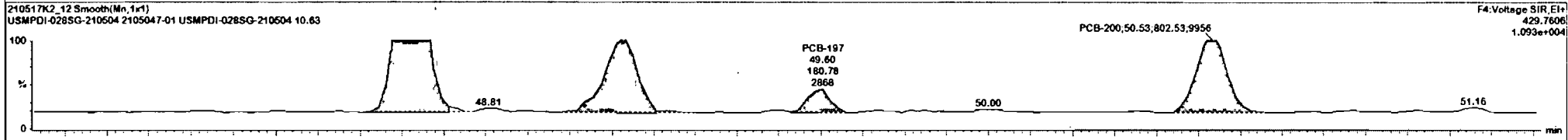
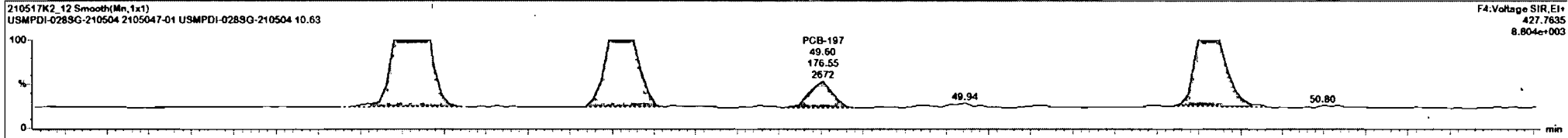


**PFK4d**



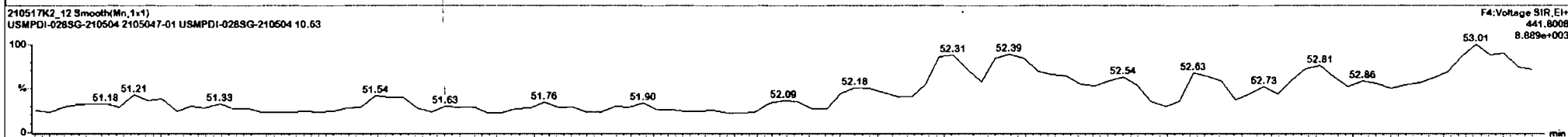
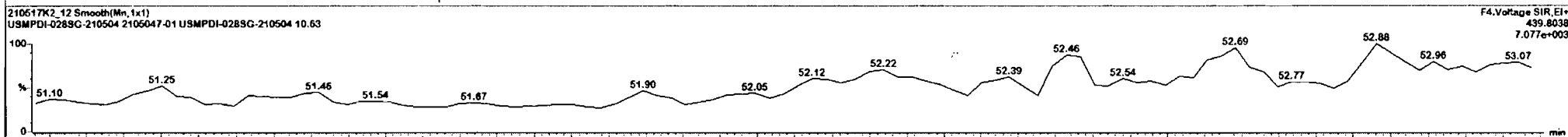
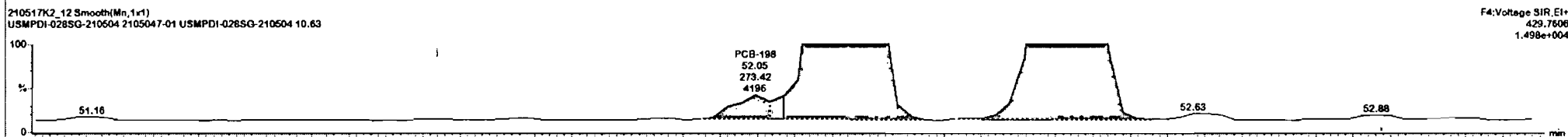
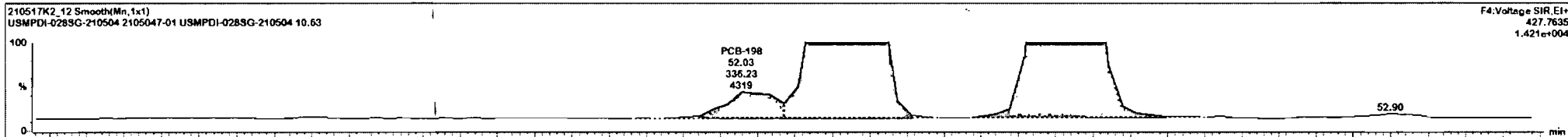
210517K2\_12 - 2105047-01 USMPDI-028SG-210504 10.63 - USMPDI-028SG-210504

#	Name	Pred. RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	rvy	EMPC	Conc.
1	154 PCB-202	48.54	48.62	1.512e3	1.965e3	0.890	0.78	NO	12.675	18.675
2	155 PCB-201	49.13	49.13	7.904e2	8.360e2	0.890	0.95	NO	9.5321	9.5321
3	157 PCB-197	49.61	49.60	1.765e2	1.808e2	0.890	0.96	NO	1.9636	1.9636
4	158 PCB-200	50.53	50.53	7.303e2	8.025e2	0.890	0.91	NO	8.9154	8.9154
5	159 PCB-198	52.05	52.03	3.762e2	2.735e2	0.890	1.23	YES	3.9348	0.00000
6	160 PCB-199	52.18	52.16	5.122e3	6.282e3	0.890	0.82	NO	85.571	85.571
7	161 PCB-196/203	52.46	52.46	5.311e3	6.291e3	0.890	0.84	NO	81.458	81.458





#	Name	Pred. RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EUPC	Conc.
1	154 PCB-202	48.64	48.62	1.512e3	1.995e3	0.890	0.78	NO	12.675	18.675
2	155 PCB-201	49.13	49.13	7.904e2	8.360e2	0.890	0.95	NO	9.5321	9.5321
3	157 PCB-197	49.61	49.60	1.765e2	1.808e2	0.890	0.96	NO	1.9636	1.9636
4	158 PCB-200	50.53	50.53	7.303e2	8.025e2	0.890	0.91	NO	8.9104	8.9104
5	153 PCB-198	52.05	52.03	3.762e2	2.734e2	0.890	1.23	YES	3.9348	0.00000
6	160 PCB-199	52.19	52.16	5.122e3	6.262e3	0.890	0.82	NO	85.571	85.571
7	161 PCB-196/203	52.46	52.46	5.311e3	6.291e3	0.890	0.84	NO	81.458	81.458

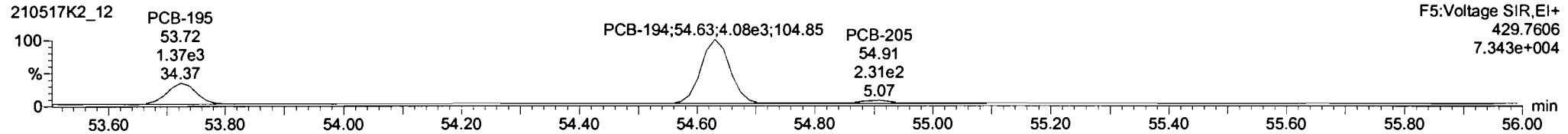
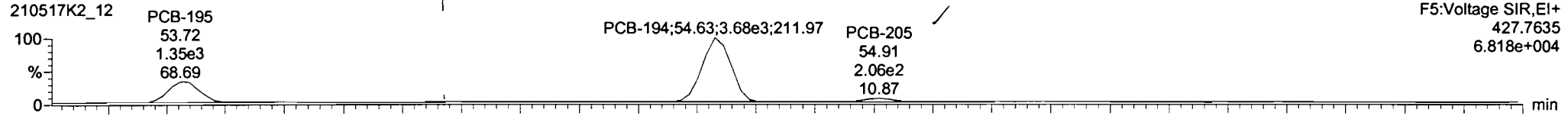


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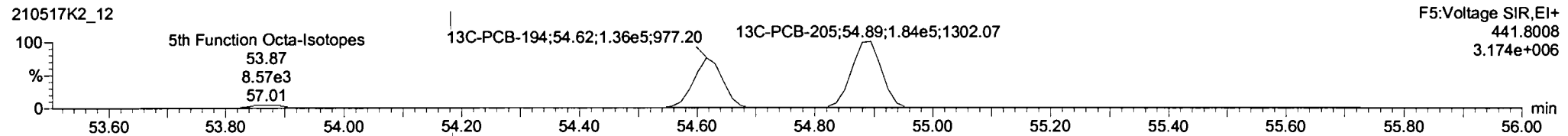
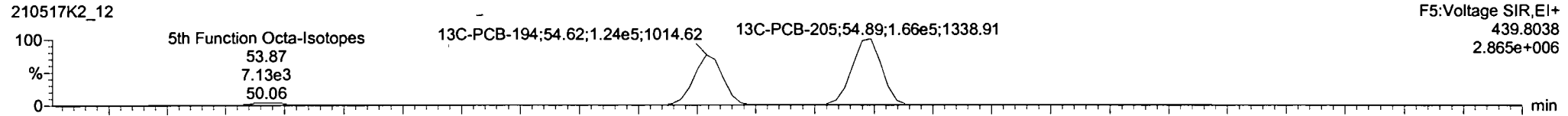
Last Altered: Tuesday, May 18, 2021 08:58:01 Pacific Daylight Time  
Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

Name: 210517K2\_12, Date: 18-May-2021, Time: 01:54:16, ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

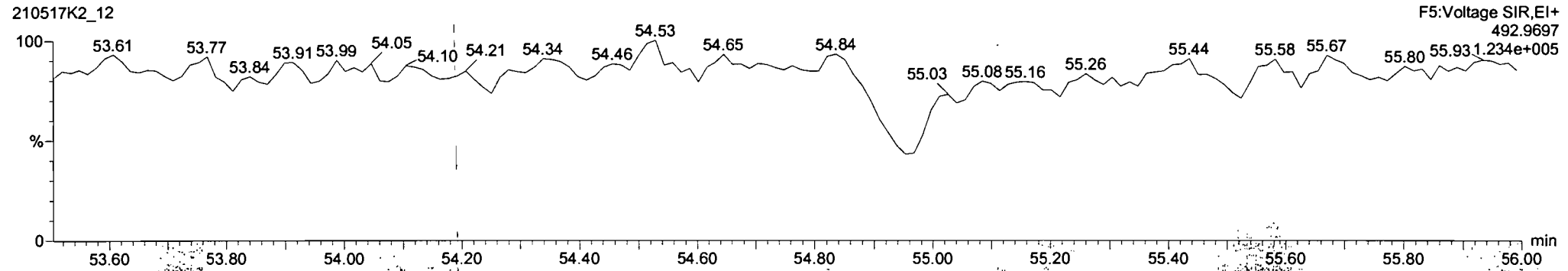
**PCB-195**



**13C-PCB-194**



**PFK5a**



Dataset: Untitled

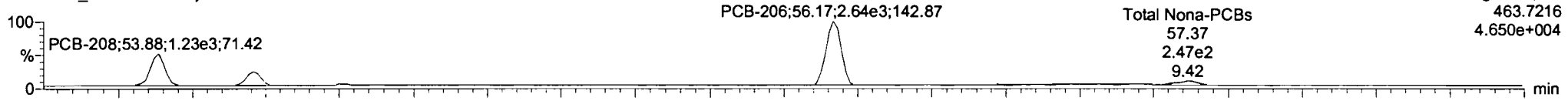
Last Altered: Tuesday, May 18, 2021 08:58:01 Pacific Daylight Time

Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

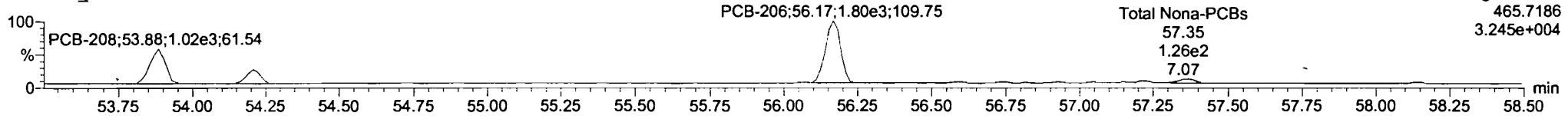
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**PCB-208**

210517K2\_12

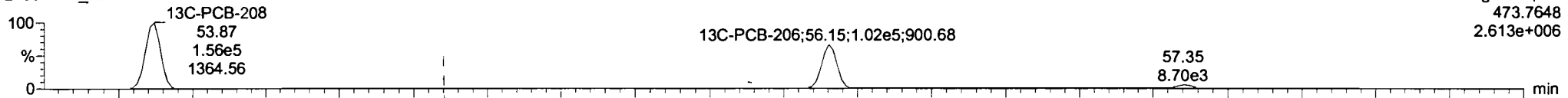


210517K2\_12

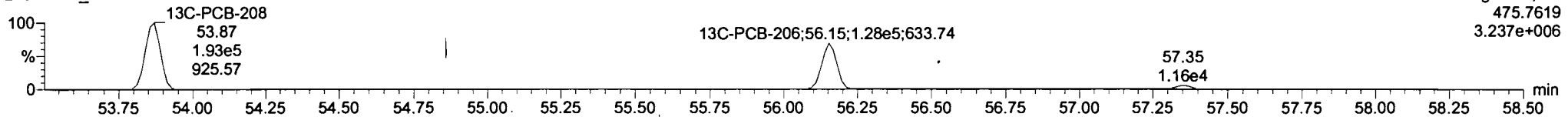


**13C-PCB-208**

210517K2\_12

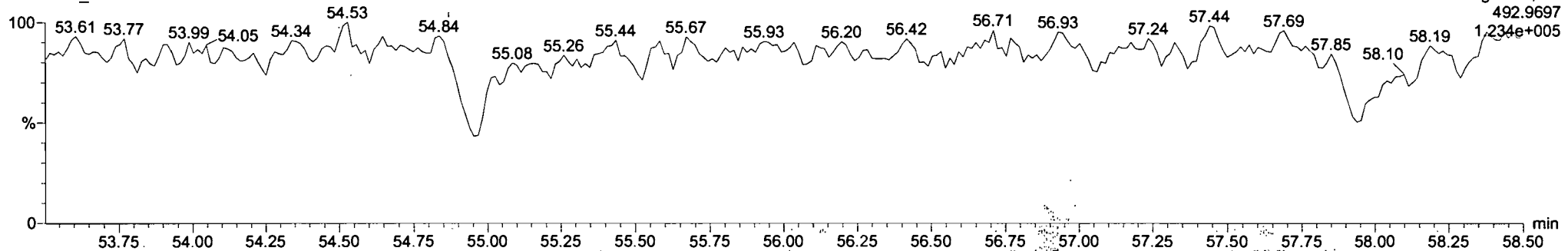


210517K2\_12



**PFK5**

210517K2\_12



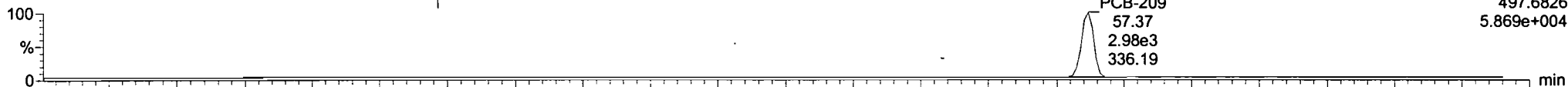
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Printed: Tuesday, May 18, 2021 09:33:13 Pacific Daylight Time

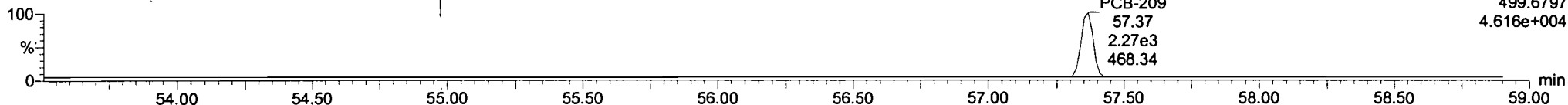
Name: 210517K2\_12, Date: 18-May-2021, Time: 01:54:16, ID: 2105047-01 USMPDI-028SG-210504 10.63, Description: USMPDI-028SG-210504

**PCB-209**

210517K2\_12

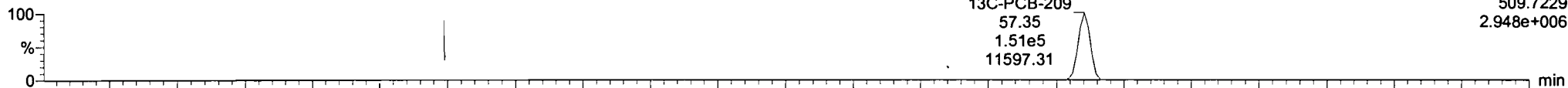


210517K2\_12

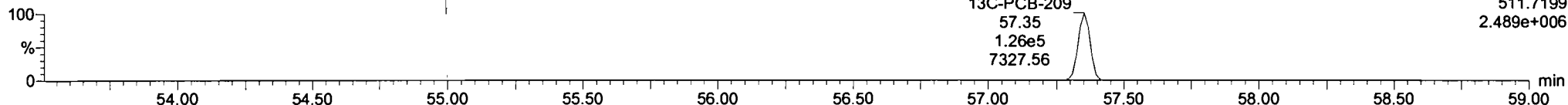


**13C-PCB-209**

210517K2\_12

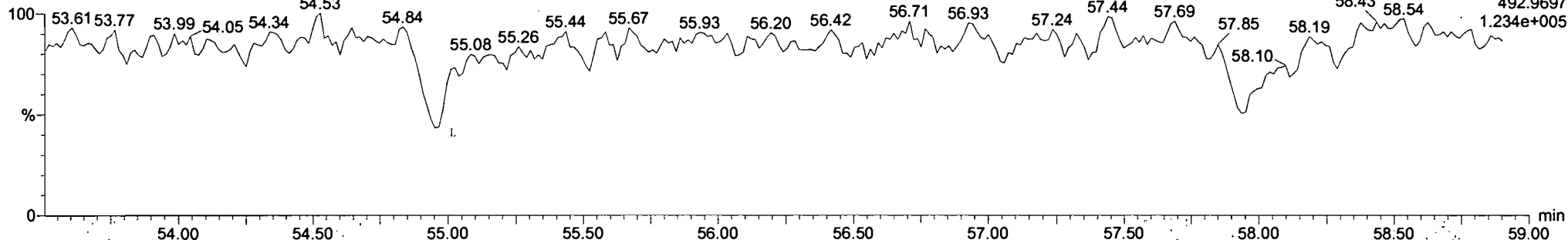


210517K2\_12



**PFK5b**

210517K2\_12



Dataset: U:\VG11.PRO\Results\210517K3\210517K3-4.qld

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Printed: Friday, June 04, 2021 3:27:17 PM Pacific Daylight Time

*DT 6/04/21*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_5-17-21.mdb 17 May 2021 16:25:28  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 18:49:42

*C106/08/2021*

Name: 210517K3\_4, Date: 18-May-2021, Time: 06:05:17, ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504

	#	Name	Resp.	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1	PCB-1	1.24e3	2.56	YES	0.986	5.025	15.59	15.59	1.001	1.001	NO	4.418		0.282	4.194
2	2	PCB-2	1.96e3	2.76	NO	1.02	5.025	17.99	17.99	0.988	0.988	NO	7.025		0.304	7.025
3	3	PCB-3	1.56e3	2.83	NO	1.00	5.025	18.22	18.23	1.001	1.001	NO	5.703		0.310	5.703
4	4	PCB-4/10	2.61e3	1.12	YES	1.21	5.025	19.64	19.58	1.004	1.001	NO	13.10		2.25	11.33
5	5	PCB-7/9			NO	0.939	5.025	21.44		1.003		YES			1.84	
6	6	PCB-6	2.42e3	0.95	YES	0.996	5.025	22.09	22.08	1.033	1.033	NO	9.130		1.74	7.280
7	7	PCB-5/8	9.80e3	1.26	YES	0.976	5.025	22.50	22.48	1.052	1.052	NO	37.68		1.77	34.47
8	8	PCB-14			NO	1.02	5.025	23.61		0.951		YES			1.64	
9	9	PCB-11	7.31e3	1.40	NO	1.12	5.025	24.84	24.85	1.001	1.001	NO	22.61		1.50	22.61
10	10	PCB-12/13			NO	1.02	5.025	25.27		1.018		YES			1.64	
11	11	PCB-15	1.16e4	1.42	NO	1.02	5.025	25.55	25.56	1.030	1.030	NO	39.55		1.65	39.55
12	12	PCB-19	1.53e3	0.97	NO	0.972	5.025	23.81	23.81	1.001	1.001	NO	8.889		0.650	8.889
13	13	PCB-30			NO	1.54	5.025	24.72		1.039		YES			0.410	
14	14	PCB-18	1.12e4	1.16	NO	0.719	5.025	25.49	25.49	0.952	0.952	NO	54.76		0.557	54.76
15	15	PCB-17	5.49e3	1.13	NO	0.672	5.025	25.65	25.66	0.958	0.959	NO	28.86		0.596	28.86
16	16	PCB-24/27	1.63e3	1.17	NO	0.932	5.025	26.23	26.24	0.980	0.980	NO	6.185		0.430	6.185
17	17	PCB-16/32	9.23e3	1.08	NO	0.824	5.025	26.79	26.79	1.001	1.001	NO	39.50		0.486	39.50
18	18	PCB-34			NO	0.878	5.025	27.59		0.959		YES			0.607	
19	19	PCB-23			NO	0.892	5.025	27.69		0.962		YES			0.597	
20	20	PCB-29			NO	0.861	5.025	27.96		0.972		YES			0.618	
21	21	PCB-26	4.02e3	0.96	NO	0.915	5.025	28.16	28.16	0.979	0.979	NO	14.07		0.582	14.07
22	22	PCB-25	2.20e3	1.19	NO	0.915	5.025	28.32	28.33	0.984	0.984	NO	7.708		0.582	7.708
23	23	PCB-31	2.07e4	1.08	NO	1.03	5.025	28.70	28.70	0.998	0.997	NO	64.31		0.517	64.31
24	24	PCB-28	2.78e4	1.05	NO	1.01	5.025	28.79	28.79	1.001	1.001	NO	87.77		0.525	87.77
25	25	PCB-20/21/33	1.50e4	0.97	NO	0.913	5.025	29.43	29.44	1.023	1.023	NO	52.64		0.583	52.64
26	26	PCB-22	9.41e3	1.04	NO	0.948	5.025	29.89	29.89	1.039	1.039	NO	31.78		0.562	31.78
27	27	PCB-36			NO	1.07	5.025	30.55		0.931		YES			0.510	
28	28	PCB-39			NO	1.00	5.025	31.04		0.946		YES			0.543	
29	29	PCB-38			NO	1.05	5.025	31.84		0.970		YES			0.519	
30	30	PCB-35			NO	1.05	5.025	32.38		0.987		YES			0.521	
31	31	PCB-37	1.08e4	0.98	NO	1.03	5.025	32.83	32.83	1.001	1.001	NO	35.48		0.530	35.48

Dataset: U:\VG11.PRO\Results\210517K3\210517K3-4.qld

Last Altered: Friday, June 04, 2021 3:24:05 PM Pacific Daylight Time  
Printed: Friday, June 04, 2021 3:27:17 PM Pacific Daylight Time

Name: 210517K3\_4, Date: 18-May-2021, Time: 06:05:17, ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
32	32 PCB-54	2.14e2	0.87	NO	0.974	5.025	27.64	27.64	1.001	1.001	NO	0.9007		0.552	0.9007
33	33 PCB-50			NO	0.803	5.025	28.86		1.045		YES			0.670	
34	34 PCB-53	3.43e3	0.71	NO	0.939	5.025	29.52	29.52	0.944	0.944	NO	16.98		0.674	16.98
35	35 PCB-51	1.25e3	0.95	YES	1.00	5.025	29.87	29.85	0.955	0.955	NO	5.828		0.633	5.301
36	36 PCB-45	2.86e3	0.72	NO	0.802	5.025	30.32	30.32	0.970	0.970	NO	16.59		0.789	16.59
37	37 PCB-46	1.20e3	0.94	YES	0.770	5.025	30.82	30.82	0.986	0.986	NO	7.284		0.822	6.602
38	38 PCB-52/69	2.28e4	0.76	NO	1.08	5.025	31.31	31.31	1.001	1.001	NO	98.16		0.585	98.16
39	39 PCB-73	1.48e2	0.58	YES	1.31	5.025	31.44	31.40	1.005	1.004	NO	0.5278		0.485	0.4471
40	40 PCB-43/49	1.50e4	0.71	NO	0.925	5.025	31.59	31.60	1.010	1.011	NO	75.30		0.684	75.30
41	41 PCB-47	6.74e3	0.70	NO	0.863	5.025	31.83	31.83	1.001	1.001	NO	34.25		0.716	34.25
42	42 PCB-48/75	3.83e3	0.80	NO	1.04	5.025	31.96	31.96	1.005	1.005	NO	16.19		0.595	16.19
43	43 PCB-65			NO	1.16	5.025	32.22		1.013		YES			0.533	
44	44 PCB-62			NO	1.04	5.025	32.33		1.016		YES			0.596	
45	45 PCB-44	1.50e4	0.71	NO	0.757	5.025	32.65	32.66	1.026	1.027	NO	86.68		0.816	86.68
46	46 PCB-42/59	7.30e3	0.75	NO	0.975	5.025	32.89	32.89	1.034	1.034	NO	32.84		0.634	32.84
47	47 PCB-41/64/71/72	2.06e4	0.75	NO	1.12	5.025	33.48	33.48	1.053	1.053	NO	81.11		0.554	81.11
48	48 PCB-68			NO	1.19	5.025	33.77		1.062		YES			0.520	
49	49 PCB-40	2.52e3	0.76	NO	0.572	5.025	34.00	33.97	1.069	1.068	NO	19.32		1.08	19.32
50	50 PCB-57	2.21e2	0.52	YES	1.08	5.025	34.34	34.34	0.970	0.970	NO	0.7992		0.482	0.6271
51	51 PCB-67	6.82e2	0.60	YES	1.02	5.025	34.65	34.65	0.978	0.978	NO	2.612		0.511	2.247
52	52 PCB-58	2.22e2	0.43	YES	1.08	5.025	34.76	34.75	0.982	0.981	NO	0.7897		0.480	0.5518
53	53 PCB-63	8.31e2	0.83	NO	0.971	5.025	34.93	34.93	0.986	0.986	NO	3.331		0.535	3.331
54	54 PCB-74	9.54e3	0.75	NO	1.09	5.025	35.22	35.21	0.994	0.994	NO	34.15		0.477	34.15
55	55 PCB-61/70	2.36e4	0.77	NO	0.978	5.025	35.44	35.44	1.000	1.001	NO	94.01		0.531	94.01
56	56 PCB-76/66	1.94e4	0.81	NO	1.07	5.025	35.64	35.64	1.006	1.006	NO	70.43		0.485	70.43
57	57 PCB-80			NO	1.08	5.025	35.87		1.001		YES			0.479	
58	58 PCB-55	1.22e2	0.92	YES	1.06	5.025	36.20	36.20	1.010	1.010	NO	0.4388		0.485	0.4027
59	59 PCB-56/60	1.25e4	0.78	NO	0.946	5.025	36.69	36.70	1.023	1.024	NO	50.28		0.546	50.28
60	60 PCB-79	5.43e2	1.05	YES	1.06	5.025	37.82	37.82	1.055	1.055	NO	1.959		0.488	1.695
61	61 PCB-78			NO	1.01	5.025	38.52		0.987		YES			0.561	
62	62 PCB-81	1.78e2	1.51	YES	0.941	5.025	39.07	39.10	1.000	1.001	NO	0.7625		0.600	0.5374
63	63 PCB-77	3.30e3	0.82	NO	1.03	5.025	39.68	39.68	1.000	1.000	NO	13.45		0.575	13.45
64	64 PCB-104			NO	0.982	5.025	32.53		1.001		YES			0.428	
65	65 PCB-96	4.20e2	1.49	NO	0.982	5.025	33.84	33.78	1.041	1.039	NO	1.739		0.428	1.739

Dataset: U:\VG11.PRO\Results\210517K3\210517K3-4.qld

Last Altered: Friday, June 04, 2021 3:24:05 PM Pacific Daylight Time  
Printed: Friday, June 04, 2021 3:27:17 PM Pacific Daylight Time

Name: 210517K3\_4, Date: 18-May-2021, Time: 06:05:17, ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504

#	Name	Resp.	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
66	66 PCB-103	3.91e2	1.34	NO	0.770	5.025	34.42	34.34	1.059	1.056	NO	2.068		0.546	2.068
67	67 PCB-100	4.47e2	2.28	YES	0.805	5.025	34.77	34.71	1.069	1.068	NO	2.257		0.522	1.762
68	68 PCB-94	2.69e2	1.63	NO	0.831	5.025	35.17	35.19	0.985	0.985	NO	1.837		0.727	1.837
69	69 PCB-95/98/102	1.89e4	1.55	NO	1.07	5.025	35.67	35.75	0.999	1.001	NO	100.2		0.564	100.2
70	70 PCB-93	5.75e2	1.86	YES	0.761	5.025	35.79	35.81	1.002	1.003	NO	4.291		0.793	3.836
71	71 PCB-88/91	3.77e3	1.62	NO	0.910	5.025	36.14	36.16	1.012	1.013	NO	23.53		0.664	23.53
72	72 PCB-121	1.22e2	1.07	YES	1.46	5.025	36.25	36.22	1.015	1.014	NO	0.4741		0.412	0.4019
73	73 PCB-84/92	9.97e3	1.44	NO	0.826	5.025	37.09	37.09	0.990	0.990	NO	65.71		0.679	65.71
74	74 PCB-89	3.15e2	1.16	YES	0.885	5.025	37.27	37.30	0.995	0.996	NO	1.939		0.634	1.708
75	75 PCB-90/101	2.41e4	1.60	NO	0.905	5.025	37.48	37.48	1.000	1.000	NO	145.1		0.620	145.1
76	76 PCB-113			NO	1.26	5.025	37.73		1.007		YES			0.446	
77	77 PCB-99	1.13e4	1.55	NO	0.993	5.025	37.82	37.82	1.010	1.009	NO	62.16		0.565	62.16
78	78 PCB-119	8.67e2	0.92	YES	1.53	5.025	38.30	38.30	0.987	0.987	NO	3.808		0.459	2.989
79	79 PCB-108/112	1.19e3	1.07	YES	1.25	5.025	38.46	38.47	0.991	0.991	NO	6.419		0.564	5.447
80	80 PCB-83			NO	1.56	5.025	38.62		0.995		YES			0.451	
81	81 PCB-97	6.21e3	1.59	NO	1.12	5.025	38.82	38.84	1.000	1.001	NO	37.18		0.625	37.18
82	82 PCB-86	1.27e2	0.73	YES	1.06	5.025	38.98	39.03	1.004	1.006	NO	0.8067		0.663	0.5589
83	83 PCB-87/117/125	9.91e3	1.63	NO	1.34	5.025	39.12	39.12	1.008	1.008	NO	49.71		0.524	49.71
84	84 PCB-111/115	6.30e2	1.58	NO	1.62	5.025	39.27	39.27	1.012	1.012	NO	2.621		0.434	2.621
85	85 PCB-85/116	4.52e3	1.56	NO	1.23	5.025	39.40	39.38	1.015	1.015	NO	24.64		0.570	24.64
86	86 PCB-120			NO	1.79	5.025	39.64		1.022		YES			0.392	
87	87 PCB-110	3.56e4	1.65	NO	1.50	5.025	39.79	39.81	1.025	1.026	NO	159.6		0.468	159.6
88	88 PCB-82	2.35e3	1.33	NO	0.638	5.025	40.45	40.44	0.975	0.975	NO	17.54		0.815	17.54
89	89 PCB-124	1.36e3	1.54	NO	1.08	5.025	41.17	41.17	0.993	0.993	NO	5.986		0.482	5.986
90	90 PCB-107/109	2.42e3	1.50	NO	1.11	5.025	41.32	41.32	0.996	0.996	NO	10.38		0.469	10.38
91	91 PCB-123	8.36e2	1.17	YES	1.00	5.025	41.49	41.48	1.000	1.000	NO	3.970		0.520	3.508
92	92 PCB-106/118	2.59e4	1.60	NO	1.02	5.025	41.69	41.67	1.001	1.000	NO	120.3		0.496	120.3
93	93 PCB-114	1.03e3	2.05	YES	1.08	5.025	42.35	42.35	1.000	1.000	NO	5.224		0.944	4.390
94	94 PCB-122			NO	0.930	5.025	42.50		1.004		YES			1.10	
95	95 PCB-105	1.04e4	1.59	NO	1.03	5.025	43.24	43.24	1.000	1.000	NO	53.20		0.981	53.20
96	96 PCB-127			NO	1.06	5.025	43.58		1.000		YES			0.900	
97	97 PCB-126	1.03e3	1.46	NO	1.15	5.025	45.55	45.55	1.000	1.000	NO	4.911		0.945	4.911
98	98 PCB-155			NO	0.853	5.025	37.02		1.000		YES			0.458	
99	99 PCB-150			NO	0.934	5.025	38.34		1.036		YES			0.418	

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Name: 210517K3\_4, Date: 18-May-2021, Time: 06:05:17, ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
100	100 PCB-152			NO	1.02	5.025	38.82		1.049		YES			0.384	
101	101 PCB-145			NO	0.983	5.025	39.29		1.062		YES			0.398	
102	102 PCB-136	4.41e3	1.09	NO	0.881	5.025	39.62	39.60	1.071	1.070	NO	25.84		0.443	25.84
103	103 PCB-148			NO	0.666	5.025	39.74		1.074		YES			0.587	
104	104 PCB-154	4.96e2	1.18	NO	0.721	5.025	40.24	40.22	1.088	1.087	NO	3.549		0.542	3.549
105	105 PCB-151	5.40e3	1.39	NO	0.674	5.025	40.89	40.89	1.105	1.105	NO	41.32		0.580	41.32
106	106 PCB-135	2.98e3	1.27	NO	0.723	5.025	41.11	41.11	1.111	1.111	NO	21.26		0.540	21.26
107	107 PCB-144	8.07e2	1.27	NO	0.691	5.025	41.22	41.21	1.114	1.114	NO	6.020		0.565	6.020
108	108 PCB-147	5.88e2	1.33	NO	0.713	5.025	41.37	41.37	1.118	1.118	NO	4.256		0.548	4.256
109	109 PCB-139/149	1.97e4	1.24	NO	0.773	5.025	41.63	41.61	1.125	1.125	NO	131.3		0.505	131.3
110	110 PCB-140			NO	0.652	5.025	41.84		1.131		YES			0.599	
111	111 PCB-134/143	1.24e3	1.35	NO	0.718	5.025	42.29	42.29	0.975	0.975	NO	9.732		1.44	9.732
112	112 PCB-131/133	9.34e2	1.42	NO	0.768	5.025	42.59	42.59	0.982	0.982	NO	6.852		1.35	6.852
113	113 PCB-142			NO	0.687	5.025	42.75		0.985		YES			1.50	
114	114 PCB-146/165	4.72e3	1.42	NO	0.943	5.025	42.99	42.99	0.991	0.991	NO	28.19		1.09	28.19
115	115 PCB-132/161	8.32e3	1.27	NO	0.957	5.025	43.24	43.26	0.997	0.997	NO	48.99		1.08	48.99
116	116 PCB-153	2.87e4	1.21	NO	0.990	5.025	43.43	43.41	1.001	1.000	NO	163.5		1.04	163.5
117	117 PCB-168			NO	1.03	5.025	43.64		1.006		YES			0.998	
118	118 PCB-141	5.27e3	1.22	NO	0.948	5.025	44.16	44.17	1.000	1.000	NO	38.02		1.30	38.02
119	119 PCB-137	1.13e3	1.53	YES	0.964	5.025	44.56	44.56	1.009	1.009	NO	8.083		1.28	7.129
120	120 PCB-130	1.88e3	1.27	NO	0.816	5.025	44.68	44.68	1.012	1.012	NO	15.75		1.50	15.75
121	121 PCB-138/163/164	3.59e4	1.21	NO	1.15	5.025	45.08	45.04	1.001	1.000	NO	193.6		0.992	193.6
122	122 PCB-158/160	3.87e3	1.29	NO	1.14	5.025	45.32	45.28	1.007	1.006	NO	21.15		1.01	21.15
123	123 PCB-129	9.76e2	1.29	NO	0.807	5.025	45.57	45.55	1.012	1.012	NO	7.531		1.42	7.531
124	124 PCB-166			NO	1.03	5.025	46.03		0.993		YES			0.942	
125	125 PCB-159			NO	1.10	5.025	46.36		1.000		YES			0.886	
126	126 PCB-128/162	5.21e3	1.41	NO	0.836	5.025	46.66	46.65	1.007	1.007	NO	31.96		1.16	31.96
127	127 PCB-167	1.44e3	1.19	NO	0.960	5.025	47.06	47.06	1.000	1.000	NO	7.305		0.928	7.305
128	128 PCB-156	3.71e3	1.28	NO	1.06	5.025	48.39	48.39	1.000	1.000	NO	18.38		0.909	18.38
129	129 PCB-157	1.42e3	1.32	NO	0.960	5.025	48.66	48.67	1.000	1.001	NO	7.564		1.04	7.564
130	130 PCB-169	8.60e2	1.22	NO	1.04	5.025	50.95	50.95	1.000	1.000	NO	4.327		0.969	4.327
131	131 PCB-188			NO	1.15	5.025	43.03		1.001		YES			0.595	
132	132 PCB-184			NO	1.14	5.025	43.47		1.011		YES			0.600	
133	133 PCB-179	5.00e3	1.19	NO	1.07	5.025	44.28	44.30	1.030	1.030	NO	27.25		0.636	27.25



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Name: 210517K3\_4, Date: 18-May-2021, Time: 06:05:17, ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
134	134 PCB-176	1.63e3	0.98	NO	1.11	5.025	44.75	44.77	1.041	1.041	NO	8.551		0.614	8.551
135	135 PCB-186			NO	1.23	5.025	45.41		1.056		YES			0.555	
136	136 PCB-178	1.90e3	0.87	YES	0.830	5.025	45.91	45.91	1.068	1.068	NO	13.48		0.824	12.19
137	137 PCB-175	4.19e2	0.59	YES	0.853	5.025	46.27	46.25	1.076	1.076	NO	2.877		0.802	2.089
138	138 PCB-182/187	1.34e4	1.13	NO	0.942	5.025	46.44	46.42	1.080	1.080	NO	83.02		0.726	83.02
139	139 PCB-183	5.51e3	1.15	NO	0.910	5.025	46.76	46.76	1.088	1.088	NO	35.42		0.751	35.42
140	140 PCB-185	1.02e3	1.26	YES	1.24	5.025	47.42	47.44	0.954	0.955	NO	6.836		0.784	6.192
141	141 PCB-174	9.18e3	1.03	NO	1.20	5.025	47.80	47.82	0.962	0.962	NO	63.63		0.811	63.63
142	142 PCB-181			NO	1.33	5.025	47.90		0.964		YES			0.731	
143	143 PCB-177	5.00e3	0.92	NO	1.14	5.025	48.09	48.11	0.968	0.968	NO	36.39		0.851	36.39
144	144 PCB-171	2.32e3	1.09	NO	1.22	5.025	48.39	48.41	0.974	0.974	NO	15.83		0.798	15.83
145	145 PCB-173			NO	1.07	5.025	48.82		0.982		YES			0.910	
146	146 PCB-172	1.34e3	0.94	NO	1.26	5.025	49.30	49.30	0.992	0.992	NO	8.839		0.773	8.839
147	147 PCB-192			NO	1.61	5.025	49.48		0.996		YES			0.602	
148	148 PCB-180	2.06e4	1.00	NO	1.30	5.025	49.72	49.72	1.000	1.000	NO	131.6		0.746	131.6
149	149 PCB-193	1.31e3	0.86	YES	1.47	5.025	49.93	49.91	1.005	1.004	NO	7.406		0.680	6.685
150	150 PCB-191	3.40e2	0.66	YES	1.51	5.025	50.19	50.19	1.010	1.010	NO	1.876		0.645	1.462
151	151 PCB-170	7.22e3	1.06	NO	1.23	5.025	51.37	51.38	1.000	1.001	NO	54.45		0.856	54.45
152	152 PCB-190	1.96e3	0.94	NO	1.61	5.025	51.56	51.56	1.004	1.004	NO	11.34		0.655	11.34
153	153 PCB-189	1.48e3	0.64	YES	1.27	5.025	53.04	53.03	1.000	1.000	NO	8.366		0.577	6.348
154	154 PCB-202	1.82e3	0.92	NO	0.995	5.025	48.64	48.62	1.001	1.000	NO	10.36		0.272	10.36
155	155 PCB-201	9.71e2	1.36	YES	0.904	5.025	49.13	49.13	1.011	1.011	NO	6.094		0.289	4.881
156	156 PCB-204			NO	0.955	5.025	49.29		1.014		YES			0.283	
157	157 PCB-197	2.29e2	1.96	YES	0.964	5.025	49.61	49.58	1.021	1.020	NO	1.345		0.280	0.8593
158	158 PCB-200	8.97e2	1.20	YES	0.911	5.025	50.53	50.53	1.040	1.040	NO	5.585		0.287	4.798
159	159 PCB-198	3.62e2	0.93	NO	0.696	5.025	52.05	52.03	1.071	1.071	NO	2.952		0.389	2.952
160	160 PCB-199	5.70e3	0.87	NO	0.706	5.025	52.18	52.16	1.074	1.073	NO	45.81		0.383	45.81
161	161 PCB-196/203	6.48e3	0.97	NO	0.754	5.025	52.46	52.46	1.079	1.080	NO	48.73		0.358	48.73
162	162 PCB-195	1.43e3	0.90	NO	0.957	5.025	53.74	53.72	0.984	0.984	NO	13.12		0.625	13.12
163	163 PCB-194	4.04e3	1.08	YES	1.06	5.025	54.63	54.63	1.000	1.000	NO	33.58		0.564	30.44
164	164 PCB-205	2.31e2	2.15	YES	1.27	5.025	54.91	54.91	1.005	1.005	NO	1.603		0.471	0.9623
165	165 PCB-208	1.56e3	1.21	NO	0.861	5.025	53.87	53.87	1.000	1.000	NO	12.37		0.364	12.37
166	166 PCB-207	5.28e2	1.39	NO	0.849	5.025	54.19	54.21	1.006	1.007	NO	4.239		0.369	4.239
167	167 PCB-206	3.36e3	1.29	NO	0.951	5.025	56.18	56.18	1.000	1.000	NO	37.52		0.520	37.52

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Name: 210517K3\_4, Date: 18-May-2021, Time: 06:05:17, ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred_RT	RT	Pred:R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
168	168 PCB-209	2.27e3	1.12	NO	0.863	5.025	57.37	57.38	1.000	1.000	NO	23.26		0.231	23.26
169	169 13C-PCB-1	5.65e5	3.26	NO	0.937	5.025	15.57	15.58	0.609	0.610	NO	1566	78.7	3.12	
170	170 13C-PCB-3	5.43e5	3.24	NO	0.934	5.025	18.20	18.20	0.712	0.713	NO	1511	75.9	3.13	
171	171 13C-PCB-4	3.29e5	1.58	NO	0.599	5.025	19.55	19.56	0.765	0.766	NO	1427	71.7	1.32	
172	172 13C-PCB-9	5.31e5	1.54	NO	0.960	5.025	21.37	21.38	0.837	0.837	NO	1437	72.2	0.824	
173	173 13C-PCB-11	5.76e5	1.54	NO	0.929	5.025	24.82	24.82	0.972	0.972	NO	1612	81.0	0.851	
174	174 13C-PCB-19	3.53e5	0.97	NO	0.506	5.025	23.77	23.78	0.931	0.931	NO	1811	91.0	10.4	
175	175 13C-PCB-32	5.64e5	1.01	NO	0.738	5.025	26.76	26.76	1.048	1.048	NO	1986	99.8	7.11	
176	176 13C-PCB-28	6.22e5	1.04	NO	1.06	5.025	28.75	28.77	1.003	1.004	NO	1842	92.6	6.50	
177	177 13C-PCB-37	5.90e5	1.04	NO	0.979	5.025	32.75	32.81	1.143	1.145	NO	1893	95.1	7.03	
178	178 13C-PCB-54	4.86e5	0.75	NO	0.981	5.025	27.61	27.62	0.753	0.753	NO	1762	88.5	1.75	
179	179 13C-PCB-52	4.28e5	0.78	NO	0.786	5.025	31.25	31.27	0.852	0.852	NO	1935	97.2	2.18	
180	180 13C-PCB-47	4.54e5	0.77	NO	0.833	5.025	31.77	31.81	0.866	0.867	NO	1939	97.4	2.06	
181	181 13C-PCB-70	5.12e5	0.79	NO	0.981	5.025	35.40	35.42	0.965	0.966	NO	1855	93.2	1.75	
182	182 13C-PCB-80	5.21e5	0.77	NO	1.01	5.025	35.84	35.85	0.977	0.977	NO	1829	91.9	1.69	
183	183 13C-PCB-81	4.93e5	0.79	NO	0.995	5.025	39.04	39.05	1.064	1.064	NO	1762	88.5	1.73	
184	184 13C-PCB-77	4.75e5	0.78	NO	0.977	5.025	39.66	39.66	1.081	1.081	NO	1730	86.9	1.76	
185	185 13C-PCB-104	4.90e5	1.51	NO	1.00	5.025	32.44	32.51	0.827	0.828	NO	2033	102	1.08	
186	186 13C-PCB-95	3.51e5	1.58	NO	0.779	5.025	35.70	35.72	0.910	0.910	NO	1876	94.2	1.39	
187	187 13C-PCB-101	3.66e5	1.59	NO	0.833	5.025	37.46	37.47	0.954	0.954	NO	1831	92.0	1.30	
188	188 13C-PCB-97	2.96e5	1.62	NO	0.679	5.025	38.79	38.81	0.988	0.989	NO	1818	91.3	1.60	
189	189 13C-PCB-123	4.19e5	1.60	NO	0.970	5.025	41.46	41.47	1.056	1.056	NO	1801	90.5	1.12	
190	190 13C-PCB-118	4.20e5	1.60	NO	1.00	5.025	41.63	41.65	1.061	1.061	NO	1748	87.8	1.08	
191	191 13C-PCB-114	3.62e5	1.60	NO	1.55	5.025	42.31	42.33	0.908	0.908	NO	1499	75.3	2.17	
192	192 13C-PCB-105	3.76e5	1.57	NO	1.59	5.025	43.19	43.22	0.927	0.927	NO	1512	76.0	2.11	
193	193 13C-PCB-127	4.04e5	1.57	NO	1.66	5.025	43.55	43.56	0.934	0.935	NO	1558	78.3	2.02	
194	194 13C-PCB-126	3.63e5	1.62	NO	1.65	5.025	45.51	45.53	0.976	0.977	NO	1410	70.9	2.04	
195	195 13C-PCB-155	3.86e5	1.28	NO	0.819	5.025	36.98	37.00	0.942	0.943	NO	1964	98.7	0.620	
196	196 13C-PCB-153	3.53e5	1.21	NO	1.31	5.025	43.37	43.39	0.930	0.931	NO	1722	86.5	2.27	
197	197 13C-PCB-141	2.91e5	1.29	NO	1.08	5.025	44.13	44.15	0.947	0.947	NO	1718	86.3	2.75	
198	198 13C-PCB-138	3.20e5	1.23	NO	1.15	5.025	44.99	45.02	0.965	0.966	NO	1775	89.2	2.59	
199	199 13C-PCB-159	3.88e5	1.26	NO	1.39	5.025	46.34	46.35	0.994	0.994	NO	1782	89.6	2.14	
200	200 13C-PCB-167	4.09e5	1.22	NO	1.43	5.025	47.04	47.05	1.009	1.009	NO	1835	92.2	2.09	
201	201 13C-PCB-156	3.78e5	1.26	NO	1.34	5.025	48.37	48.37	1.038	1.038	NO	1807	90.8	2.23	

Dataset: U:\VG11.PRO\Results\210517K3\210517K3-4.qld

Last Altered: Friday, June 04, 2021 3:24:05 PM Pacific Daylight Time

Printed: Friday, June 04, 2021 3:27:17 PM Pacific Daylight Time

Name: 210517K3\_4, Date: 18-May-2021, Time: 06:05:17, ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
202	202 13C-PCB-157	3.88e5	1.28	NO	1.36	5.025	48.66	48.64	1.044	1.043	NO	1827	91.8	2.20	
203	203 13C-PCB-169	3.81e5	1.24	NO	1.33	5.025	50.93	50.93	1.093	1.093	NO	1829	91.9	2.24	
204	204 13C-PCB-188	3.40e5	0.45	NO	1.39	5.025	42.99	42.99	0.926	0.926	NO	1779	89.4	1.84	
205	205 13C-PCB-180	2.40e5	0.45	NO	0.907	5.025	49.72	49.70	1.071	1.070	NO	1922	96.6	2.82	
206	206 13C-PCB-170	2.14e5	0.43	NO	0.823	5.025	51.36	51.35	1.106	1.106	NO	1894	95.2	3.11	
207	207 13C-PCB-189	2.77e5	0.44	NO	1.08	5.025	53.01	53.01	1.141	1.142	NO	1873	94.1	2.38	
208	208 13C-PCB-202	3.51e5	0.91	NO	1.23	5.025	48.60	48.60	1.046	1.046	NO	2072	104	1.20	
209	209 13C-PCB-194	2.26e5	0.89	NO	0.710	5.025	54.61	54.62	0.995	0.995	NO	1864	93.7	3.60	
210	210 13C-PCB-208	2.92e5	0.76	NO	0.865	5.025	53.82	53.85	0.980	0.981	NO	1974	99.2	3.02	
211	211 13C-PCB-206	1.87e5	0.78	NO	0.623	5.025	56.19	56.17	1.024	1.023	NO	1762	88.5	4.20	
212	212 13C-PCB-209	2.25e5	1.17	NO	0.725	5.025	57.39	57.37	1.046	1.045	NO	1820	91.5	0.557	
213	213 13C-PCB-15	7.66e5	1.56	NO	1.00	5.025	25.53	25.54	1.000	0.000	NO	1990	100	0.791	
214	214 13C-PCB-31	6.34e5	1.03	NO	1.00	5.025	28.67	28.66	1.000	0.000	NO	1990	100	6.88	
215	215 13C-PCB-60	5.59e5	0.80	NO	1.00	5.025	36.69	36.68	1.000	0.000	NO	1990	100	1.72	
216	216 13C-PCB-111	4.77e5	1.59	NO	1.00	5.025	39.26	39.25	1.000	0.000	NO	1990	100	1.08	
217	217 13C-PCB-128	3.11e5	1.23	NO	1.00	5.025	46.63	46.61	1.000	0.000	NO	1990	100	2.98	
218	218 13C-PCB-182	2.74e5	0.45	NO	1.00	5.025	46.44	46.44	0.000	0.000	NO	1990	100	2.56	
219	219 13C-PCB-205	3.40e5	0.88	NO	1.00	5.025	54.93	54.89	1.000	0.000	NO	1990	100	2.56	
220	220 13C-PCB-79	5.43e5	0.77	NO	1.04	5.025	37.79	37.78	1.030	1.030	NO	1865	93.7	1.66	
221	221 13C-PCB-178	2.46e5	0.44	NO	0.774	5.025	45.88	45.89	0.988	0.988	NO	2033	102	3.13	
222	222 13C-PCB-79	5.43e5	0.77	NO	1.04	5.025	37.77	37.78	0.967	0.968	NO	2106	106	1.86	
223	223 13C-PCB-178	2.46e5	0.44	NO	1.02	5.025	45.85	45.89	0.923	0.923	NO	2007	101	2.97	
224	224 Total Mono-PCBs				1.00	5.025	0.00		0.000		NO	12.73		0.896	16.92
225	225 Total Di-PCBs				1.04	5.025	0.00		0.000		NO	62.16		14.0	115.3
226	226 2nd Function Tri...				0.943	5.025	0.00		0.000		NO	138.2		3.13	138.2
227	227 3rd Function Tri...				0.969	5.025	0.00		0.000		NO	293.7		7.80	293.7
228	228 Total Tetra-PCBs				0.991	5.025	0.00		0.000		NO	744.0		19.2	762.4
229	229 3rd Function Pen...				1.11	5.025	0.00		0.000		NO	830.3		16.0	850.5
230	230 4th Function Pent...				1.05	5.025	0.00		0.000		NO	58.11		4.87	62.50
231	231 3rd Function Hex...				0.791	5.025	0.00		0.000		NO	233.5		6.57	233.5
232	232 4th Function Hex...				0.946	5.025	0.00		0.000		NO	602.8		22.8	610.0
233	233 Total Hepta-PCBs				1.20	5.025	0.00		0.000		NO	476.3		16.5	511.2
234	234 4th Function Oct...				0.860	5.025	0.00		0.000		NO	107.9		2.56	118.4
235	235 5th Function Oct...				1.10	5.025	0.00		0.000		NO	13.12		1.66	44.52

Handwritten annotations on the right side of the table:  
 431.9 -  
 838.41 -  
 913.00 -  
 843.5 -  
 121.02 -  
 162.92 -

Dataset: U:\VG11.PRO\Results\210517K3\210517K3-4.qld

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Printed: Friday, June 04, 2021 3:27:17 PM Pacific Daylight Time

Name: 210517K3\_4, Date: 18-May-2021, Time: 06:05:17, ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
236	236 Total Nona-PCBs				0.887	5.025	0.00		0.000		NO	54.13		1.25	54.13
237	237 Deca-CB				0.863	5.025	0.00		0.000		NO	23.26		0.231	23.26
238	238 Total PCBs														

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Dataset: U:\VG11.PRO\Results\210517K3\210517K3-4.qld

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Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_5-17-21.mdb 17 May 2021 16:25:28

Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 18:49:42

ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504

**Total Mono-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-1	15.59	15.59	1.593e4	5.826e3	8.888e2	3.466e2	2.56	YES	1.235e3	0.00000	4.1940	0.282
2	PCB-2	17.99	17.99	2.461e4	8.993e3	1.438e3	5.205e2	2.76	NO	1.958e3	7.0246	7.0246	0.304
3	PCB-3	18.22	18.23	1.974e4	6.029e3	1.152e3	4.069e2	2.83	NO	1.559e3	5.7029	5.7029	0.310

**Total Di-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-4/10	19.64	19.58	2.186e4	1.856e4	1.379e3	1.236e3	1.12	YES	2.615e3	0.00000	11.335	2.25
2	PCB-6	22.09	22.08	2.157e4	2.112e4	1.178e3	1.247e3	0.95	YES	2.425e3	0.00000	7.2796	1.74
3	PCB-5/8	22.50	22.48	7.942e4	6.492e4	5.464e3	4.337e3	1.26	YES	9.802e3	0.00000	34.474	1.77
4	PCB-11	24.84	24.85	7.033e4	4.893e4	4.267e3	3.043e3	1.40	NO	7.309e3	22.614	22.614	1.50
5	PCB-15	25.55	25.56	1.071e5	6.824e4	6.844e3	4.803e3	1.42	NO	1.165e4	39.549	39.549	1.65

**2nd Function Tri-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-19	23.81	23.81	1.115e4	1.197e4	7.526e2	7.796e2	0.97	NO	1.532e3	8.8886	8.8886	0.650
2	PCB-18	25.49	25.49	8.920e4	7.809e4	5.988e3	5.174e3	1.16	NO	1.116e4	54.755	54.755	0.557
3	PCB-17	25.65	25.66	4.491e4	3.938e4	2.916e3	2.578e3	1.13	NO	5.493e3	28.860	28.860	0.596
4	PCB-24/27	26.23	26.24	1.215e4	1.020e4	8.795e2	7.546e2	1.17	NO	1.634e3	6.1851	6.1851	0.430
5	PCB-16/32	26.79	26.79	4.703e4	4.703e4	4.782e3	4.446e3	1.08	NO	9.228e3	39.503	39.503	0.486

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ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504

3rd Function Tri-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-26	28.16	28.16	2.490e4	2.764e4	1.967e3	2.051e3	0.96	NO	4.018e3	14.066	14.066	0.582
2	PCB-25	28.32	28.33	1.667e4	1.308e4	1.197e3	1.007e3	1.19	NO	2.204e3	7.7083	7.7083	0.582
3	PCB-31	28.70	28.70	1.531e5	1.381e5	1.075e4	9.944e3	1.08	NO	2.069e4	64.312	64.312	0.517
4	PCB-28	28.79	28.79	1.789e5	1.744e5	1.424e4	1.356e4	1.05	NO	2.780e4	87.769	87.769	0.525
5	PCB-20/21/33	29.43	29.44	8.963e4	8.757e4	7.398e3	7.606e3	0.97	NO	1.500e4	52.640	52.640	0.583
6	PCB-22	29.89	29.89	6.078e4	5.755e4	4.789e3	4.618e3	1.04	NO	9.407e3	31.775	31.775	0.562
7	PCB-37	32.83	32.83	6.998e4	7.261e4	5.348e3	5.464e3	0.98	NO	1.081e4	35.479	35.479	0.530

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ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504

Total Tetra-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-54	27.64	27.64	1.446e3	1.511e3	9.994e1	1.143e2	0.87	NO	2.142e2	0.90068	0.90068	0.552
2	PCB-53	29.52	29.52	1.985e4	2.579e4	1.420e3	2.005e3	0.71	NO	3.425e3	16.976	16.976	0.674
3	PCB-51	29.87	29.85	7.768e3	8.707e3	6.086e2	6.433e2	0.95	YES	1.252e3	0.00000	5.3008	0.633
4	PCB-45	30.32	30.32	1.548e4	2.245e4	1.199e3	1.661e3	0.72	NO	2.861e3	16.589	16.589	0.789
5	PCB-46	30.82	30.82	7.614e3	7.876e3	5.834e2	6.175e2	0.94	YES	1.201e3	0.00000	6.6023	0.822
6	PCB-52/69	31.31	31.31	1.237e5	1.643e5	9.860e3	1.297e4	0.76	NO	2.283e4	98.156	98.156	0.585
7	PCB-73	31.44	31.40	1.171e3	1.853e3	5.460e1	9.356e1	0.58	YES	1.482e2	0.00000	0.44713	0.485
8	PCB-43/49	31.59	31.60	7.831e4	1.048e5	6.237e3	8.731e3	0.71	NO	1.497e4	75.303	75.303	0.684
9	PCB-47	31.83	31.83	3.549e4	5.097e4	2.764e3	3.972e3	0.70	NO	6.736e3	34.245	34.245	0.716
10	PCB-48/75	31.96	31.96	2.117e4	2.628e4	1.708e3	2.124e3	0.80	NO	3.831e3	16.190	16.190	0.595
11	PCB-44	32.65	32.66	8.203e4	1.148e5	6.234e3	8.739e3	0.71	NO	1.497e4	86.682	86.682	0.816
12	PCB-42/59	32.89	32.89	4.038e4	5.565e4	3.116e3	4.183e3	0.75	NO	7.299e3	32.844	32.844	0.634
13	PCB-41/64/71/72	33.48	33.48	1.077e5	1.428e5	8.827e3	1.181e4	0.75	NO	2.064e4	81.111	81.111	0.554
14	PCB-40	34.00	33.97	1.338e4	1.651e4	1.091e3	1.430e3	0.76	NO	2.521e3	19.319	19.319	1.08
15	PCB-57	34.34	34.34	1.156e3	1.634e3	7.549e1	1.457e2	0.52	YES	2.212e2	0.00000	0.62706	0.482
16	PCB-67	34.65	34.65	3.784e3	5.256e3	2.553e2	4.268e2	0.60	YES	6.822e2	0.00000	2.2471	0.511
17	PCB-58	34.76	34.75	1.178e3	2.008e3	6.675e1	1.556e2	0.43	YES	2.224e2	0.00000	0.55182	0.480
18	PCB-63	34.93	34.93	6.063e3	6.483e3	3.767e2	4.545e2	0.83	NO	8.311e2	3.3308	3.3308	0.535
19	PCB-74	35.22	35.21	5.191e4	7.396e4	4.098e3	5.446e3	0.75	NO	9.544e3	34.147	34.147	0.477
20	PCB-61/70	35.44	35.44	1.340e5	1.744e5	1.032e4	1.332e4	0.77	NO	2.363e4	94.008	94.008	0.531
21	PCB-76/66	35.64	35.64	1.079e5	1.317e5	8.655e3	1.074e4	0.81	NO	1.939e4	70.435	70.435	0.485
22	PCB-55	36.20	36.20	1.993e3	2.560e3	5.834e1	6.343e1	0.92	YES	1.218e2	0.00000	0.40270	0.485
23	PCB-56/60	36.69	36.70	7.008e4	8.785e4	5.473e3	6.977e3	0.78	NO	1.245e4	50.278	50.278	0.546
24	PCB-79	37.82	37.82	3.045e3	3.176e3	2.776e2	2.655e2	1.05	YES	5.431e2	0.00000	1.6950	0.488
25	PCB-81	39.07	39.10	5.037e3	2.196e3	1.068e2	7.069e1	1.51	YES	1.775e2	0.00000	0.53743	0.600
26	PCB-77	39.68	39.68	1.871e4	2.290e4	1.493e3	1.811e3	0.82	NO	3.303e3	13.446	13.446	0.575

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ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504

3rd Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-96	33.84	33.78	2.477e3	2.571e3	2.518e2	1.685e2	1.49	NO	4.203e2	1.7391	1.7391	0.428
2	PCB-103	34.42	34.34	3.867e3	2.455e3	2.244e2	1.671e2	1.34	NO	3.915e2	2.0679	2.0679	0.546
3	PCB-100	34.77	34.71	3.474e3	1.275e3	3.104e2	1.363e2	2.28	YES	4.467e2	0.00000	1.7622	0.522
4	PCB-94	35.17	35.19	2.119e3	1.296e3	1.667e2	1.021e2	1.63	NO	2.687e2	1.8370	1.8370	0.727
5	PCB-95/98/102	35.67	35.75	1.460e5	9.880e4	1.149e4	7.407e3	1.55	NO	1.889e4	100.19	100.19	0.564
6	PCB-93	35.79	35.81	2.479e4	1.101e4	3.745e2	2.009e2	1.86	YES	5.755e2	0.00000	3.8358	0.793
7	PCB-88/91	36.14	36.16	3.260e4	1.939e4	2.331e3	1.441e3	1.62	NO	3.772e3	23.531	23.531	0.664
8	PCB-121	36.25	36.22	4.318e3	3.229e3	6.318e1	5.911e1	1.07	YES	1.223e2	0.00000	0.40193	0.412
9	PCB-84/92	37.09	37.09	7.534e4	5.428e4	5.879e3	4.095e3	1.44	NO	9.973e3	65.710	65.710	0.679
10	PCB-89	37.27	37.30	2.056e3	1.960e3	1.693e2	1.460e2	1.16	YES	3.154e2	0.00000	1.7082	0.634
11	PCB-90/101	37.48	37.48	1.913e5	1.185e5	1.485e4	9.278e3	1.60	NO	2.413e4	145.09	145.09	0.620
12	PCB-99	37.82	37.82	8.534e4	5.499e4	6.901e3	4.448e3	1.55	NO	1.135e4	62.161	62.161	0.565
13	PCB-119	38.30	38.30	5.300e3	5.635e3	4.146e2	4.522e2	0.92	YES	8.668e2	0.00000	2.9888	0.459
14	PCB-108/112	38.46	38.47	8.677e3	7.954e3	6.151e2	5.744e2	1.07	YES	1.189e3	0.00000	5.4472	0.564
15	PCB-97	38.82	38.84	5.111e4	2.934e4	3.812e3	2.401e3	1.59	NO	6.213e3	37.176	37.176	0.625
16	PCB-86	38.98	39.03	1.208e3	1.580e3	5.362e1	7.339e1	0.73	YES	1.270e2	0.00000	0.55892	0.663
17	PCB-87/117/125	39.12	39.12	7.707e4	4.907e4	6.146e3	3.761e3	1.63	NO	9.907e3	49.709	49.709	0.524
18	PCB-111/115	39.27	39.27	5.638e3	3.334e3	3.863e2	2.437e2	1.58	NO	6.301e2	2.6205	2.6205	0.434
19	PCB-85/116	39.40	39.38	3.209e4	2.171e4	2.750e3	1.766e3	1.56	NO	4.516e3	24.643	24.643	0.570
20	PCB-110	39.79	39.81	2.819e5	1.691e5	2.214e4	1.345e4	1.65	NO	3.559e4	159.57	159.57	0.468
21	PCB-82	40.45	40.44	1.631e4	1.386e4	1.343e3	1.011e3	1.33	NO	2.354e3	17.541	17.541	0.815
22	PCB-124	41.17	41.17	9.566e3	5.610e3	8.248e2	5.339e2	1.54	NO	1.359e3	5.9860	5.9860	0.482
23	PCB-107/109	41.32	41.32	1.733e4	1.161e4	1.452e3	9.688e2	1.50	NO	2.421e3	10.377	10.377	0.469
24	PCB-123	41.49	41.48	5.154e3	3.953e3	4.502e2	3.859e2	1.17	YES	8.361e2	0.00000	3.5083	0.520
25	PCB-106/118	41.69	41.67	2.036e5	1.187e5	1.595e4	9.996e3	1.60	NO	2.595e4	120.33	120.33	0.496

4th Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-114	42.35	42.35	6.993e3	3.928e3	6.927e2	3.385e2	2.05	YES	1.031e3	0.00000	4.3898	0.944
2	PCB-105	43.24	43.24	8.092e4	4.828e4	6.381e3	4.020e3	1.59	NO	1.040e4	53.195	53.195	0.981
3	PCB-126	45.55	45.55	7.885e3	5.820e3	6.119e2	4.177e2	1.46	NO	1.030e3	4.9109	4.9109	0.945



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3rd Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-136	39.62	39.60	3.011e4	2.917e4	2.304e3	2.109e3	1.09	NO	4.412e3	25.838	25.838	0.443
2	PCB-154	40.24	40.22	3.454e3	3.061e3	2.678e2	2.279e2	1.18	NO	4.957e2	3.5487	3.5487	0.542
3	PCB-151	40.89	40.89	4.084e4	3.031e4	3.137e3	2.261e3	1.39	NO	5.398e3	41.315	41.315	0.580
4	PCB-135	41.11	41.11	1.935e4	1.501e4	1.665e3	1.315e3	1.27	NO	2.980e3	21.261	21.261	0.540
5	PCB-144	41.22	41.21	6.979e3	5.080e3	4.519e2	3.549e2	1.27	NO	8.068e2	6.0198	6.0198	0.565
6	PCB-147	41.37	41.37	3.855e3	3.106e3	3.353e2	2.527e2	1.33	NO	5.880e2	4.2558	4.2558	0.548
7	PCB-139/149	41.63	41.61	1.382e5	1.115e5	1.088e4	8.794e3	1.24	NO	1.968e4	131.29	131.29	0.505

4th Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-134/143	42.29	42.29	9.743e3	7.691e3	7.114e2	5.286e2	1.35	NO	1.240e3	9.7323	9.7323	1.44
2	PCB-131/133	42.59	42.59	7.475e3	4.696e3	5.477e2	3.861e2	1.42	NO	9.338e2	6.8521	6.8521	1.35
3	PCB-146/165	42.99	42.99	3.585e4	2.514e4	2.767e3	1.955e3	1.42	NO	4.722e3	28.195	28.195	1.09
4	PCB-132/161	43.24	43.26	5.748e4	4.637e4	4.654e3	3.670e3	1.27	NO	8.324e3	48.988	48.988	1.08
5	PCB-153	43.43	43.41	2.103e5	1.652e5	1.575e4	1.298e4	1.21	NO	2.874e4	163.49	163.49	1.04
6	PCB-141	44.16	44.17	3.871e4	2.830e4	2.892e3	2.378e3	1.22	NO	5.269e3	38.018	38.018	1.30
7	PCB-137	44.56	44.56	9.774e3	6.123e3	6.859e2	4.482e2	1.53	YES	1.134e3	0.00000	7.1295	1.28
8	PCB-130	44.68	44.68	1.223e4	9.967e3	1.050e3	8.299e2	1.27	NO	1.880e3	15.752	15.752	1.50
9	PCB-138/163/164	45.08	45.04	2.188e5	1.768e5	1.968e4	1.621e4	1.21	NO	3.589e4	193.61	193.61	0.992
10	PCB-158/160	45.32	45.28	2.672e4	1.962e4	2.181e3	1.685e3	1.29	NO	3.866e3	21.146	21.146	1.01
11	PCB-129	45.57	45.55	7.153e3	5.378e3	5.495e2	4.264e2	1.29	NO	9.758e2	7.5306	7.5306	1.42
12	PCB-128/162	46.66	46.65	3.759e4	2.511e4	3.053e3	2.159e3	1.41	NO	5.212e3	31.956	31.956	1.16
13	PCB-167	47.06	47.06	9.785e3	7.815e3	7.824e2	6.593e2	1.19	NO	1.442e3	7.3054	7.3054	0.928
14	PCB-156	48.39	48.39	2.450e4	2.002e4	2.086e3	1.625e3	1.28	NO	3.711e3	18.385	18.385	0.909
15	PCB-157	48.66	48.67	8.445e3	6.454e3	8.048e2	6.109e2	1.32	NO	1.416e3	7.5641	7.5641	1.04
16	PCB-169	50.95	50.95	4.537e3	3.624e3	4.727e2	3.876e2	1.22	NO	8.603e2	4.3270	4.3270	0.969

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**Total Hepta-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-179	44.28	44.30	3.368e4	2.732e4	2.715e3	2.288e3	1.19	NO	5.003e3	27.254	27.254	0.636
2	PCB-176	44.75	44.77	9.433e3	9.988e3	8.055e2	8.202e2	0.98	NO	1.626e3	8.5515	8.5515	0.614
3	PCB-178	45.91	45.91	1.140e4	1.326e4	8.852e2	1.019e3	0.87	YES	1.904e3	0.00000	12.188	0.824
4	PCB-175	46.27	46.25	2.053e3	3.420e3	1.559e2	2.633e2	0.59	YES	4.192e2	0.00000	2.0891	0.802
5	PCB-182/187	46.44	46.42	9.329e4	8.458e4	7.086e3	6.270e3	1.13	NO	1.336e4	83.017	83.017	0.726
6	PCB-183	46.76	46.76	3.714e4	3.162e4	2.942e3	2.565e3	1.15	NO	5.507e3	35.420	35.420	0.751
7	PCB-185	47.42	47.44	7.462e3	6.362e3	5.688e2	4.504e2	1.26	YES	1.019e3	0.00000	6.1925	0.784
8	PCB-174	47.80	47.82	5.561e4	5.731e4	4.660e3	4.520e3	1.03	NO	9.180e3	63.629	63.629	0.811
9	PCB-177	48.09	48.11	3.044e4	3.449e4	2.401e3	2.600e3	0.92	NO	5.000e3	36.390	36.390	0.851
10	PCB-171	48.39	48.41	1.417e4	1.304e4	1.209e3	1.111e3	1.09	NO	2.320e3	15.827	15.827	0.798
11	PCB-172	49.30	49.30	7.739e3	8.361e3	6.481e2	6.898e2	0.94	NO	1.338e3	8.8393	8.8393	0.773
12	PCB-180	49.72	49.72	1.297e5	1.363e5	1.030e4	1.032e4	1.00	NO	2.061e4	131.57	131.57	0.746
13	PCB-193	49.93	49.91	5.882e3	7.162e3	6.067e2	7.054e2	0.86	YES	1.312e3	0.00000	6.6852	0.660
14	PCB-191	50.19	50.19	2.000e3	2.624e3	1.358e2	2.044e2	0.66	YES	3.402e2	0.00000	1.4624	0.645
15	PCB-170	51.37	51.38	4.362e4	4.714e4	3.708e3	3.508e3	1.06	NO	7.217e3	54.447	54.447	0.856
16	PCB-190	51.56	51.56	1.233e4	1.288e4	9.502e2	1.015e3	0.94	NO	1.965e3	11.338	11.338	0.655
17	PCB-189	53.04	53.03	6.937e3	1.254e4	5.759e2	9.041e2	0.64	YES	1.480e3	0.00000	6.3481	0.577

**4th Function Octa-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-202	48.64	48.62	1.219e4	1.163e4	8.701e2	9.468e2	0.92	NO	1.817e3	10.360	10.360	0.272
2	PCB-201	49.13	49.13	7.042e3	5.208e3	5.596e2	4.115e2	1.36	YES	9.711e2	0.00000	4.8806	0.299
3	PCB-197	49.61	49.58	2.144e3	9.430e2	1.514e2	7.728e1	1.96	YES	2.286e2	0.00000	0.85934	0.280
4	PCB-200	50.53	50.53	6.252e3	5.132e3	4.893e2	4.079e2	1.20	YES	8.972e2	0.00000	4.7984	0.297
5	PCB-198	52.05	52.03	2.459e3	2.665e3	1.742e2	1.878e2	0.93	NO	3.621e2	2.9519	2.9519	0.389
6	PCB-199	52.18	52.16	3.845e4	4.209e4	2.655e3	3.048e3	0.87	NO	5.702e3	45.813	45.813	0.383
7	PCB-196/203	52.46	52.46	4.573e4	4.411e4	3.193e3	3.289e3	0.97	NO	6.482e3	48.731	48.731	0.358

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**5th Function Octa-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-195	53.74	53.72	1.084e4	1.389e4	6.741e2	7.515e2	0.90	NO	1.426e3	13.119	13.119	0.625
2	PCB-194	54.63	54.63	3.662e4	3.223e4	2.100e3	1.939e3	1.08	YES	4.040e3	0.00000	30.441	0.564
3	PCB-205	54.91	54.91	2.717e3	1.329e3	1.575e2	7.335e1	2.15	YES	2.309e2	0.00000	0.96229	0.471

**Total Nona-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-208	53.87	53.87	1.458e4	1.289e4	8.560e2	7.046e2	1.21	NO	1.561e3	12.375	12.375	0.364
2	PCB-207	54.19	54.21	5.550e3	3.793e3	3.068e2	2.208e2	1.39	NO	5.277e2	4.2394	4.2394	0.369
3	PCB-206	56.18	56.18	3.059e4	2.616e4	1.894e3	1.465e3	1.29	NO	3.358e3	37.516	37.516	0.520

**Deca-CB**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-209	57.37	57.38	2.280e4	1.861e4	1.202e3	1.069e3	1.12	NO	2.271e3	23.265	23.265	0.231

**Total PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1													

**Total Mono-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-1	15.57	15.58	7.699e6	2.381e6	4.321e5	1.326e5	3.26	NO	5.646e5	1565.7		3.12
2	13C-PCB-3	18.20	18.20	6.882e6	2.161e6	4.147e5	1.281e5	3.24	NO	5.428e5	1510.7		3.13

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**Total Di-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-4	19.55	19.56	3.364e6	2.167e6	2.015e5	1.276e5	1.58	NO	3.291e5	1426.9		1.32
2	13C-PCB-9	21.37	21.38	5.212e6	3.319e6	3.214e5	2.092e5	1.54	NO	5.305e5	1436.5		0.824
3	13C-PCB-11	24.82	24.82	5.389e6	3.538e6	3.492e5	2.272e5	1.54	NO	5.764e5	1611.9		0.851
4	13C-PCB-15	25.53	25.54	7.378e6	4.657e6	4.668e5	2.992e5	1.56	NO	7.659e5	1990.2		0.791

**2nd Function Tri-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-19	23.77	23.78	2.738e6	2.731e6	1.742e5	1.787e5	0.97	NO	3.529e5	1810.7		10.4
2	13C-PCB-32	26.76	26.76	4.395e6	4.380e6	2.833e5	2.806e5	1.01	NO	5.640e5	1985.8		7.11

**3rd Function Tri-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-31	28.67	28.66	4.337e6	4.153e6	3.214e5	3.123e5	1.03	NO	6.337e5	1990.2		6.88
2	13C-PCB-28	28.75	28.77	4.130e6	3.961e6	3.165e5	3.050e5	1.04	NO	6.215e5	1842.4		6.50
3	13C-PCB-37	32.75	32.81	4.039e6	3.981e6	3.007e5	2.894e5	1.04	NO	5.901e5	1893.4		7.03

**Tetra-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-54	27.61	27.62	2.847e6	3.754e6	2.089e5	2.770e5	0.75	NO	4.858e5	1761.9		1.75
2	13C-PCB-52	31.25	31.27	2.465e6	3.146e6	1.874e5	2.403e5	0.78	NO	4.277e5	1935.1		2.18
3	13C-PCB-47	31.77	31.81	2.506e6	3.279e6	1.972e5	2.566e5	0.77	NO	4.539e5	1939.1		2.06
4	13C-PCB-70	35.40	35.42	3.024e6	3.841e6	2.253e5	2.862e5	0.79	NO	5.115e5	1854.9		1.75
5	13C-PCB-80	35.84	35.85	3.010e6	3.901e6	2.275e5	2.936e5	0.77	NO	5.211e5	1828.9		1.69
6	13C-PCB-60	36.69	36.68	3.160e6	3.975e6	2.478e5	3.115e5	0.80	NO	5.593e5	1990.2		1.72
7	13C-PCB-79	37.79	37.78	3.055e6	3.913e6	2.370e5	3.059e5	0.77	NO	5.429e5	1864.9		1.66
8	13C-PCB-81	39.04	39.05	2.780e6	3.544e6	2.170e5	2.756e5	0.79	NO	4.927e5	1762.0		1.73
9	13C-PCB-77	39.66	39.66	2.640e6	3.436e6	2.081e5	2.667e5	0.78	NO	4.748e5	1729.6		1.76

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3rd Function Penta-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-104	32.44	32.51	3.901e6	2.583e6	2.943e5	1.953e5	1.51	NO	4.896e5	2032.5		1.08
2	13C-PCB-95	35.70	35.72	2.763e6	1.718e6	2.146e5	1.360e5	1.58	NO	3.505e5	1875.8		1.39
3	13C-PCB-101	37.46	37.47	2.986e6	1.897e6	2.247e5	1.411e5	1.59	NO	3.658e5	1831.5		1.30
4	13C-PCB-97	38.79	38.81	2.401e6	1.488e6	1.830e5	1.131e5	1.62	NO	2.961e5	1817.9		1.60
5	13C-PCB-111	39.26	39.25	3.775e6	2.379e6	2.930e5	1.843e5	1.59	NO	4.773e5	1990.2		1.08
6	13C-PCB-123	41.46	41.47	3.232e6	2.000e6	2.580e5	1.608e5	1.60	NO	4.189e5	1800.5		1.12
7	13C-PCB-118	41.63	41.65	3.310e6	2.072e6	2.582e5	1.615e5	1.60	NO	4.197e5	1748.4		1.08

4th Function Penta-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-114	42.31	42.33	2.919e6	1.822e6	2.229e5	1.396e5	1.60	NO	3.625e5	1498.9		2.17
2	13C-PCB-105	43.19	43.22	2.925e6	1.833e6	2.299e5	1.463e5	1.57	NO	3.762e5	1511.9		2.11
3	13C-PCB-127	43.55	43.56	3.123e6	1.977e6	2.467e5	1.570e5	1.57	NO	4.036e5	1557.9		2.02
4	13C-PCB-126	45.51	45.53	2.759e6	1.651e6	2.240e5	1.386e5	1.62	NO	3.626e5	1410.4		2.04

4th Function Hexa-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-153	43.37	43.39	2.448e6	2.052e6	1.932e5	1.601e5	1.21	NO	3.533e5	1722.4		2.27
2	13C-PCB-141	44.13	44.15	2.119e6	1.638e6	1.638e5	1.271e5	1.29	NO	2.909e5	1717.7		2.75
3	13C-PCB-138	44.99	45.02	2.224e6	1.828e6	1.760e5	1.437e5	1.23	NO	3.197e5	1775.3		2.59
4	13C-PCB-159	46.34	46.35	2.655e6	2.121e6	2.165e5	1.717e5	1.26	NO	3.882e5	1782.4		2.14
5	13C-PCB-128	46.63	46.61	2.104e6	1.714e6	1.713e5	1.397e5	1.23	NO	3.110e5	1990.2		2.98
6	13C-PCB-167	47.04	47.05	2.856e6	2.339e6	2.251e5	1.838e5	1.22	NO	4.090e5	1835.2		2.09
7	13C-PCB-156	48.37	48.37	2.666e6	2.138e6	2.105e5	1.676e5	1.26	NO	3.781e5	1806.9		2.23
8	13C-PCB-157	48.66	48.64	2.591e6	2.013e6	2.180e5	1.701e5	1.28	NO	3.880e5	1827.3		2.20
9	13C-PCB-169	50.93	50.93	2.540e6	2.056e6	2.106e5	1.702e5	1.24	NO	3.808e5	1829.5		2.24

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Dataset: U:\VG11.PRO\Results\210517K3\210517K3-4.qld

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Printed: Friday, June 04, 2021 3:27:31 PM Pacific Daylight Time

ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504

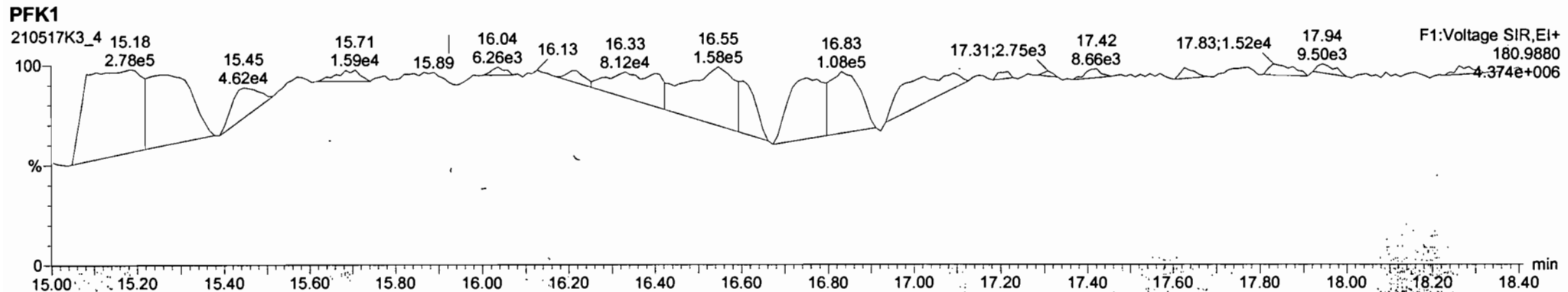
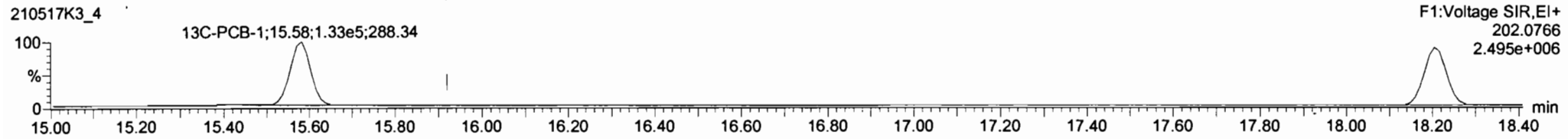
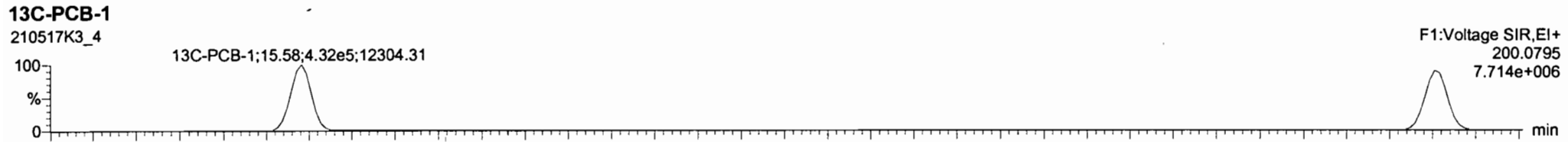
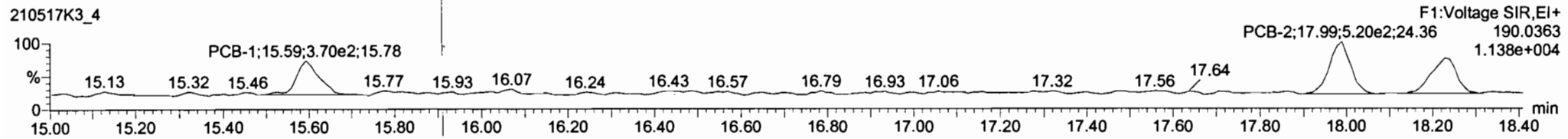
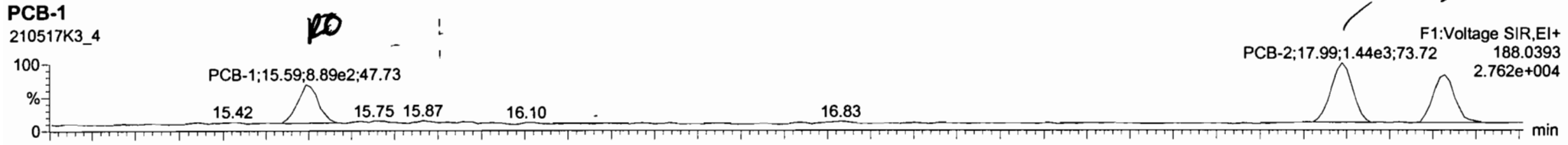
5th Function Octa-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-194	54.61	54.62	1.844e6	2.102e6	1.065e5	1.194e5	0.89	NO	2.259e5	1863.9		3.60
2	13C-PCB-205	54.93	54.89	2.799e6	3.163e6	1.592e5	1.806e5	0.88	NO	3.398e5	1990.2		2.56

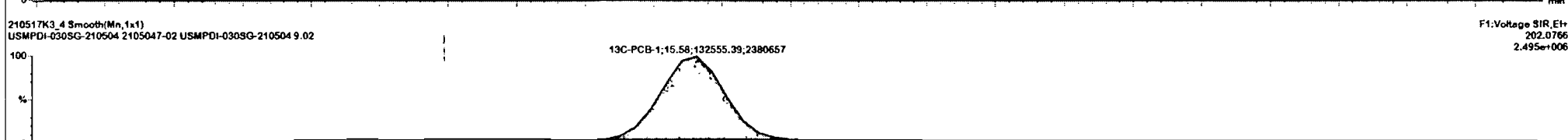
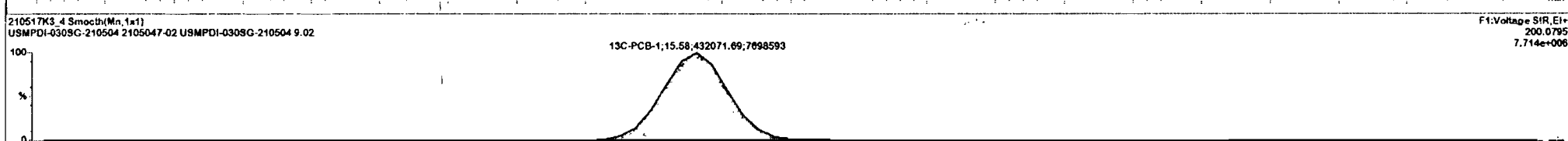
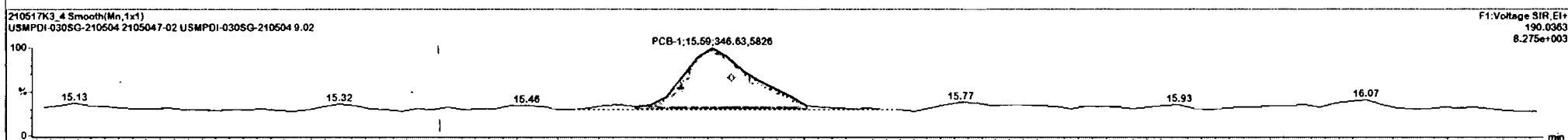
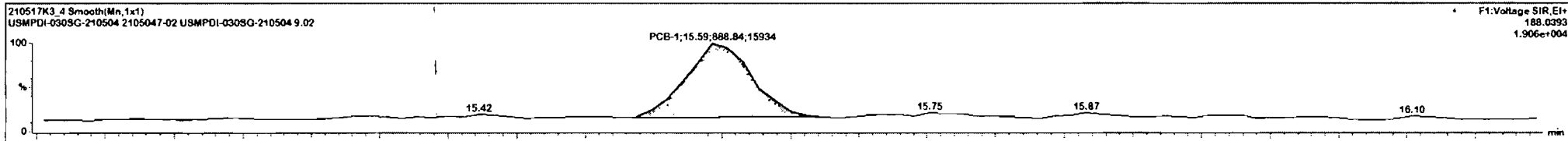
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Last Altered: Tuesday, May 18, 2021 09:40:48 Pacific Daylight Time  
Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

Name: 210517K3\_4, Date: 18-May-2021, Time: 06:05:17, ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504



#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	rvy	EMPC	Conc.
1	1 PCB-1	15.59	15.59	8.885e2	3.486e2	3.130	2.58	YES	4.1940	0.00000
2	2 PCB-2	17.99	17.99	1.438e3	5.205e2	3.130	2.75	NO	7.0246	7.0246
3	3 PCB-3	18.23	18.23	1.152e3	4.089e2	3.130	2.83	NO	5.7029	5.7029



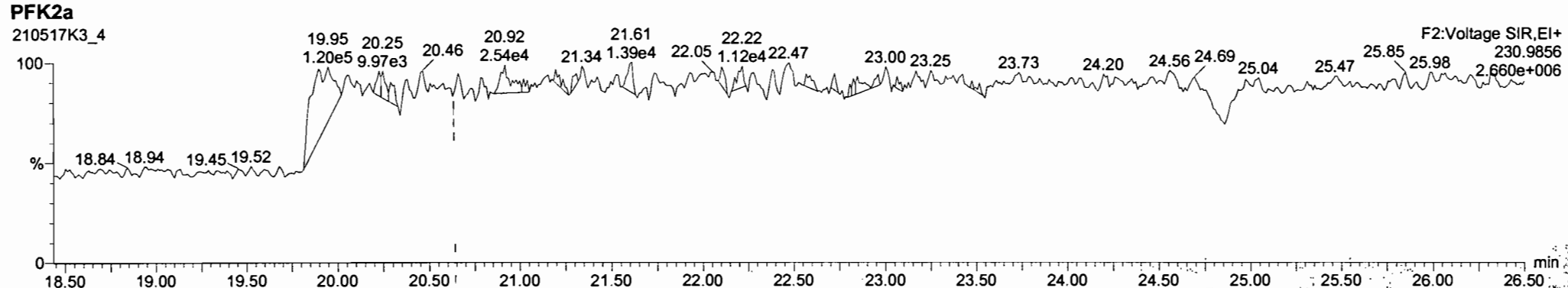
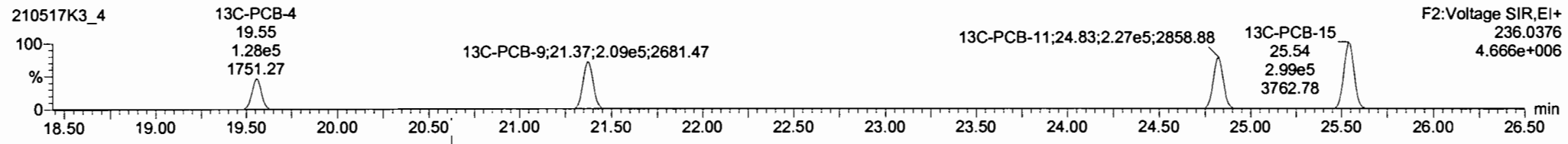
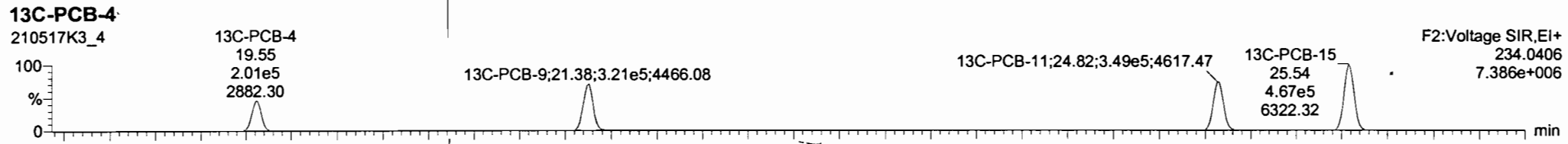
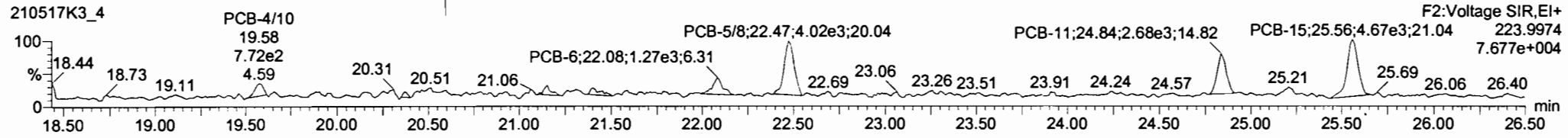
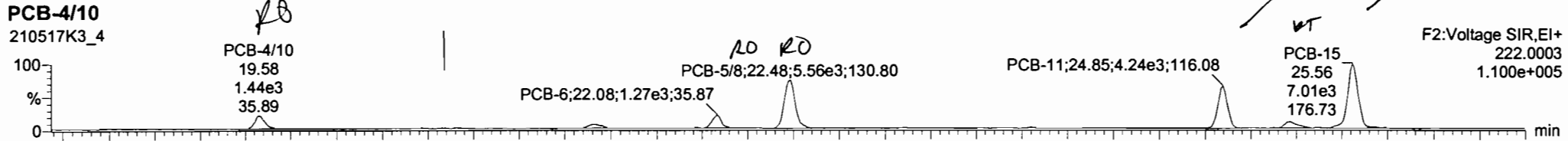


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Last Altered: Tuesday, May 18, 2021 09:40:48 Pacific Daylight Time

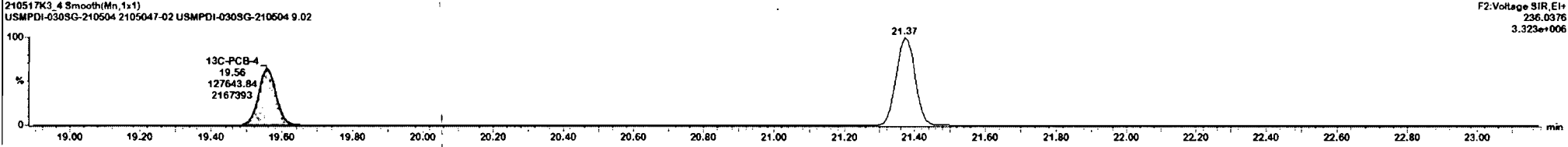
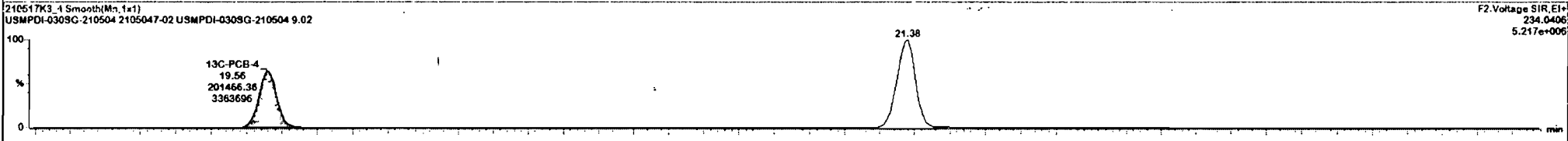
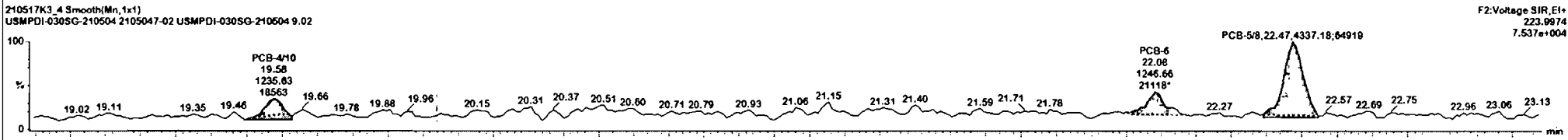
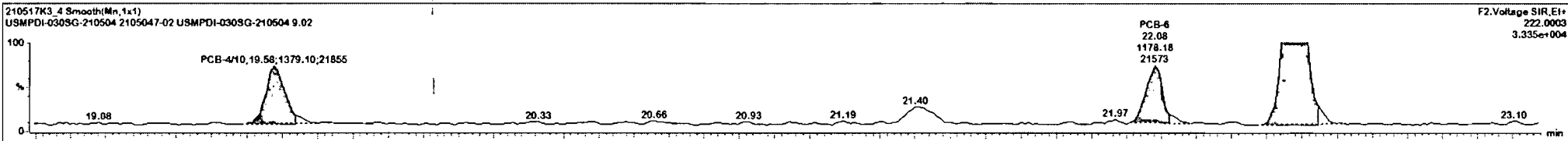
Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

Name: 210517K3\_4, Date: 18-May-2021, Time: 06:05:17, ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504



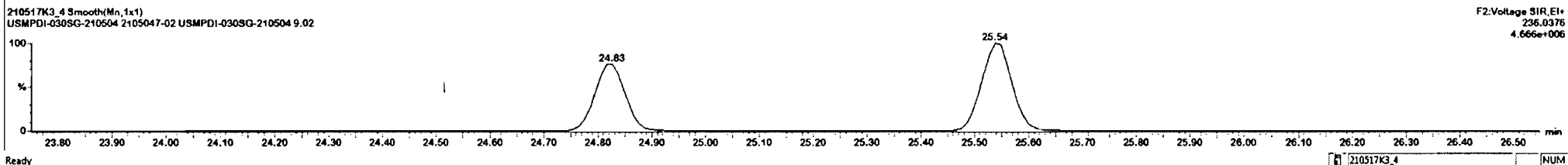
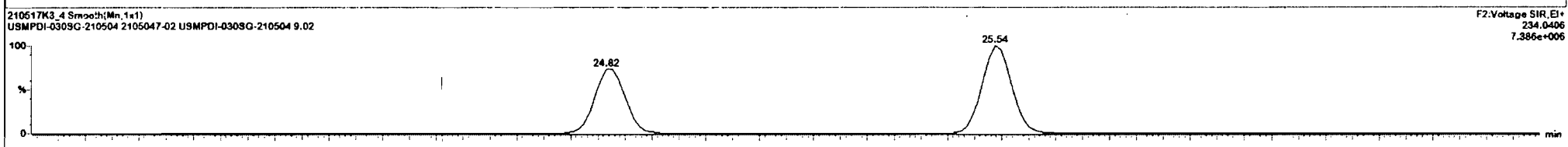
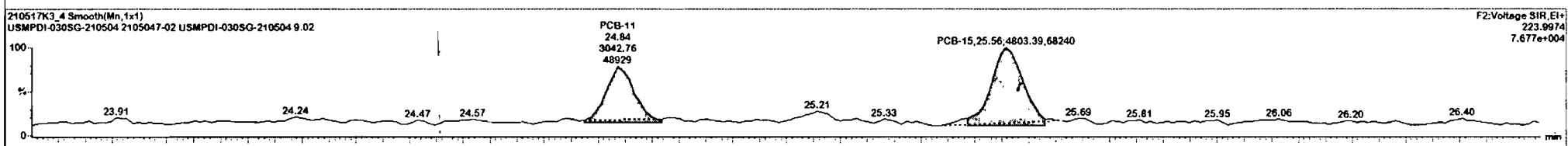
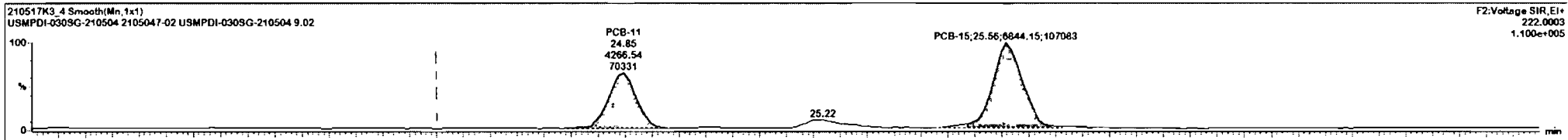
210517K3\_4 - 2105047-02 USMPDI-030SG-210504 9.02 - USMPDI-030SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	rly	EMPC	Conc.
1	4 PCB-410	19.64	19.58	1.279e3	1.236e3	1.560	1.12	YES	11.335	0.00000
2	6 PCB-6	22.03	22.08	1.178e3	1.254e3	1.560	0.93	YES	7.2796	0.00000
3	7 PCB-5/8	22.50	22.48	5.464e3	4.337e3	1.560	1.26	YES	34.474	0.00000
4	9 PCB-11	24.84	24.85	4.267e2	3.043e2	1.560	1.40	NO	22.614	22.614
5	11 PCB-15	25.55	25.56	6.644e3	4.803e3	1.560	1.42	NO	39.549	39.549



210517K3\_4 - 2105047-02 USMPDI-030SG-210504 9 02 - USMPDI-030SG-210504

#	Name	Pred. RT	RT	m1 Resp.	m2 Resp.	I* Ratio (Pred)	RA	r/y	EMPC	Conc.
1	4 PCB-4/10	19.54	19.58	1.379e3	1.236e3	1.560	1.12	YES	11.335	0.00000
2	6 PCB-6	22.09	22.08	1.175e3	1.264e3	1.560	0.93	YES	7.2796	0.00000
3	7 PCB-5/8	22.50	22.48	5.164e3	4.337e3	1.560	1.26	YES	34.474	0.00000
4	9 PCB-11	24.84	24.85	4.267e3	3.043e3	1.560	1.40	NO	22.614	22.614
5	11 PCB-15	25.55	25.56	6.844e3	4.803e3	1.560	1.42	NO	39.549	39.549



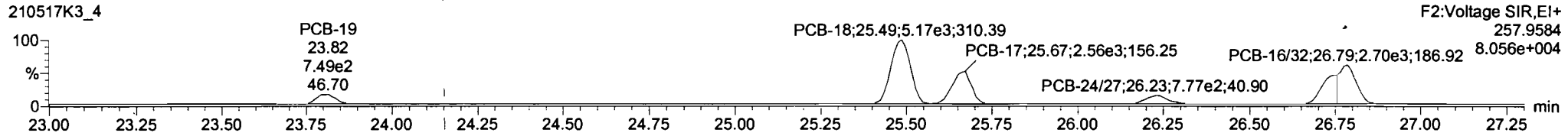
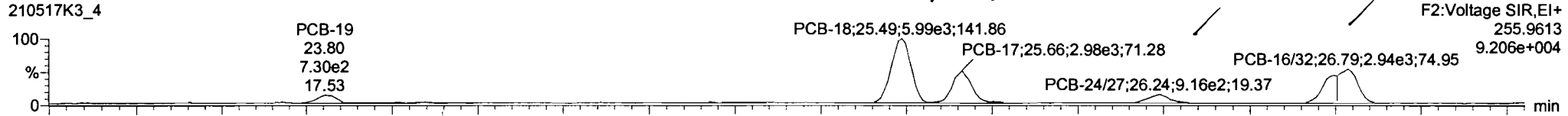
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Last Altered: Tuesday, May 18, 2021 09:40:48 Pacific Daylight Time

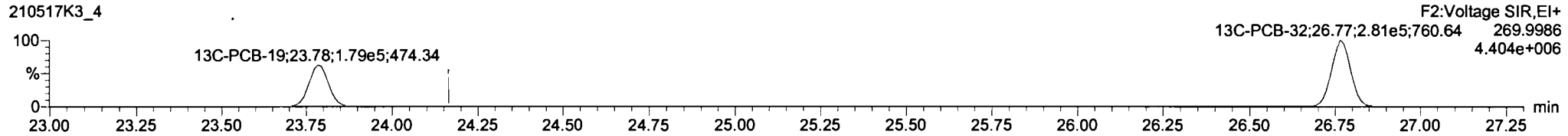
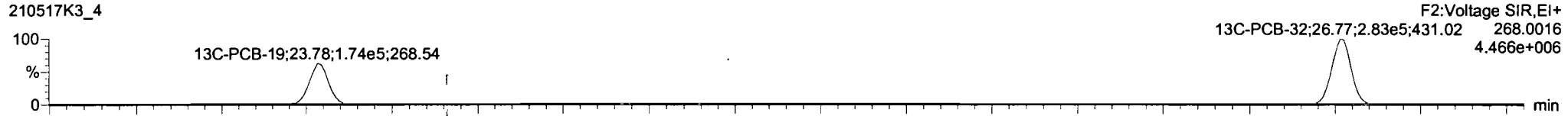
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Name: 210517K3\_4, Date: 18-May-2021, Time: 06:05:17, ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504

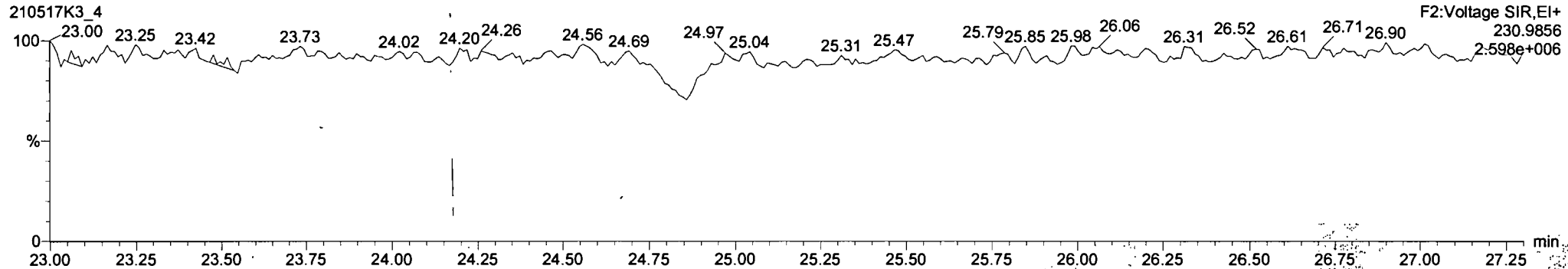
**PCB-19**



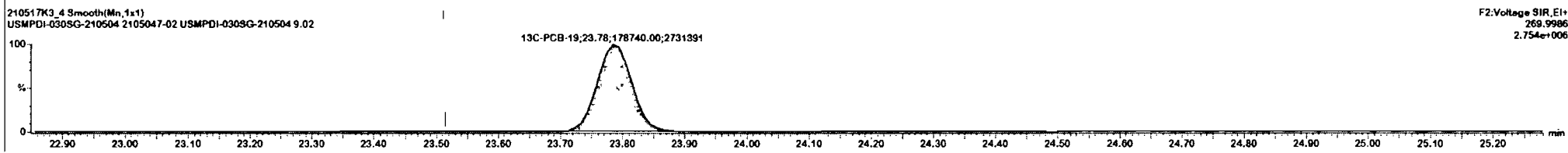
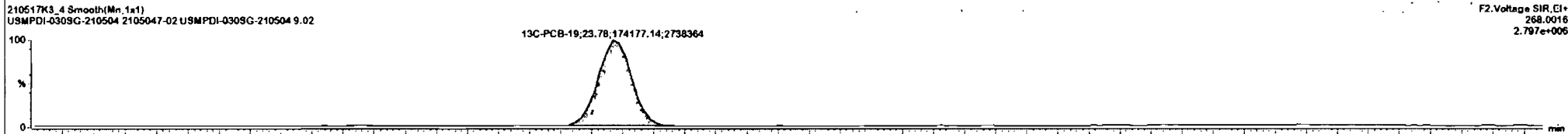
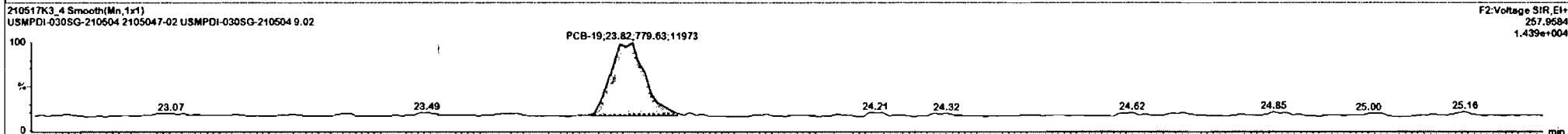
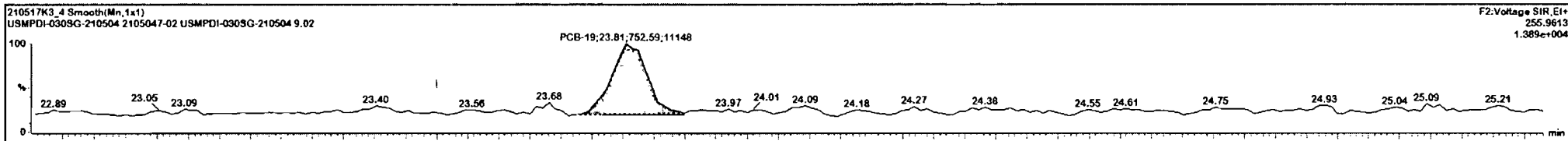
**13C-PCB-19**



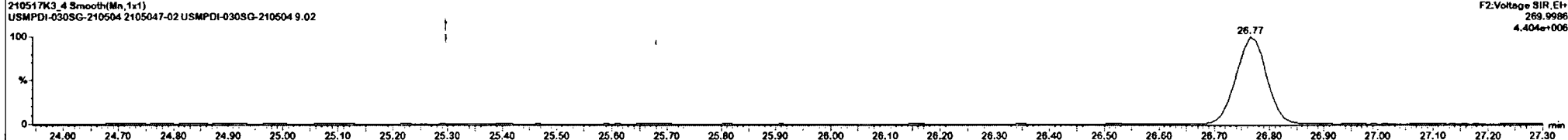
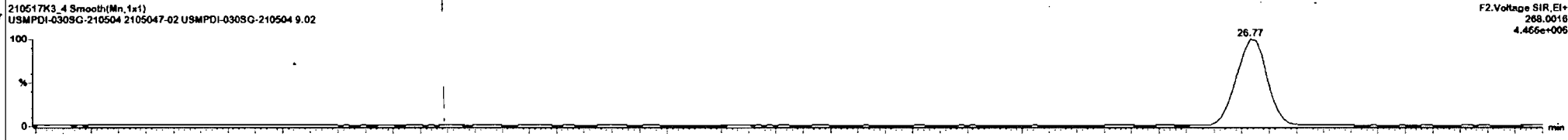
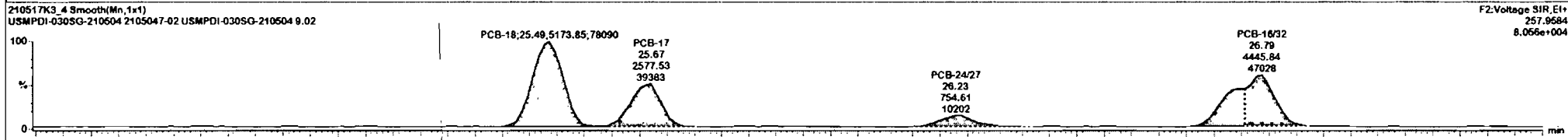
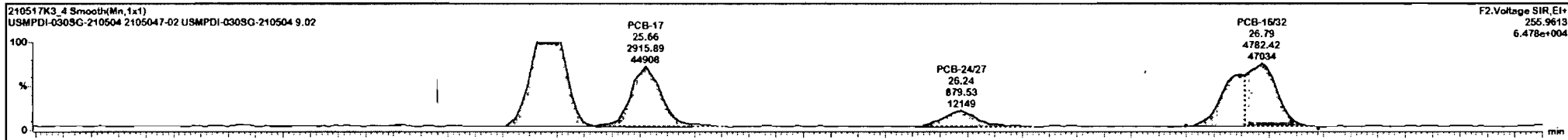
**PFK2b**



#	Name	Pred. RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	12 PCB-19	23.81	23.81	7.520e2	7.796e2	1.040	0.97	ND	8.8886	8.8888
2	14 PCB-18	25.49	25.49	5.983e3	5.174e3	1.040	1.18	ND	54.755	54.755
3	15 PCB-17	25.66	25.66	2.915e3	2.578e3	1.040	1.13	ND	28.860	28.860
4	16 PCB-24/27	28.23	28.24	8.795e2	7.546e2	1.040	1.17	ND	6.1851	6.1251
5	17 PCB-16/32	28.79	28.79	4.782e3	4.446e3	1.040	1.08	ND	39.503	39.503



#	Name	Pred.RT	RT	m1 Resp	r2 Resp	1* Ratio (Pred)	RA	rly	EMPC	Conc.
1	12 PCB-19	23.81	23.81	7.525e2	7.795e2	1.040	0.97	NO	8.8836	8.8806
2	14 PCB-18	25.49	25.49	5.988e2	5.174e3	1.040	1.16	NO	54.755	54.755
3	15 PCB-17	25.65	25.66	2.915e3	2.578e3	1.040	1.13	NO	28.860	28.860
4	16 PCB-24/27	26.23	26.24	8.795e2	7.546e2	1.040	1.17	NO	6.1851	6.1251
5	17 PCB-16/32	26.79	26.79	4.782e3	4.446e3	1.040	1.08	NO	39.503	39.503

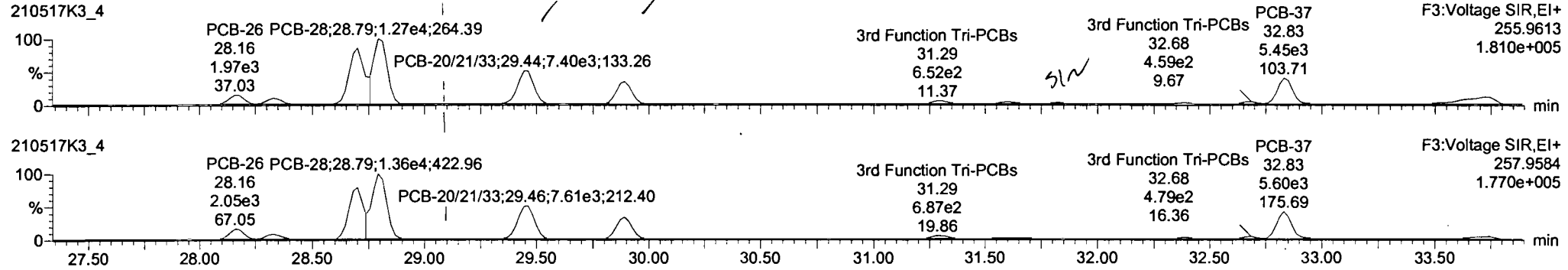


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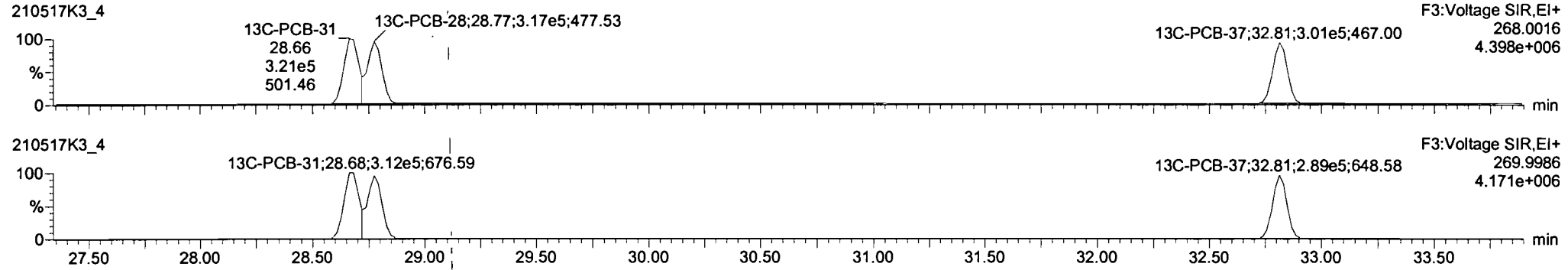
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Name: 210517K3\_4, Date: 18-May-2021, Time: 06:05:17, ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504

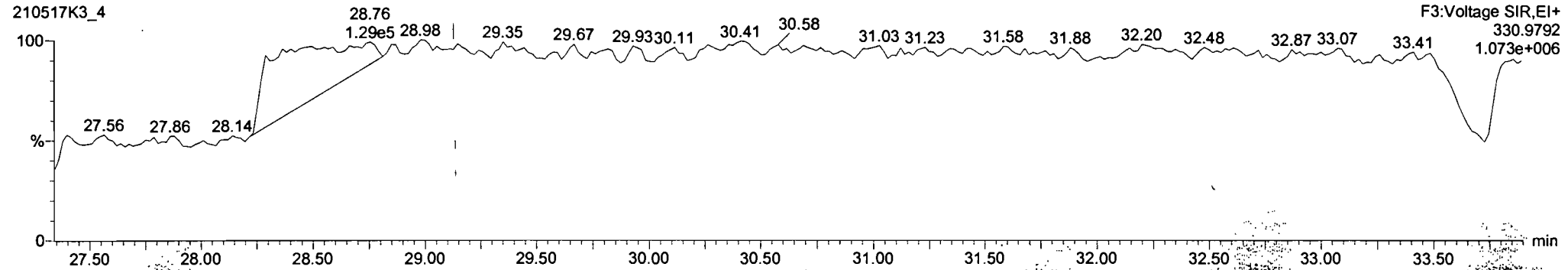
**PCB-34**



**13C-PCB-28**

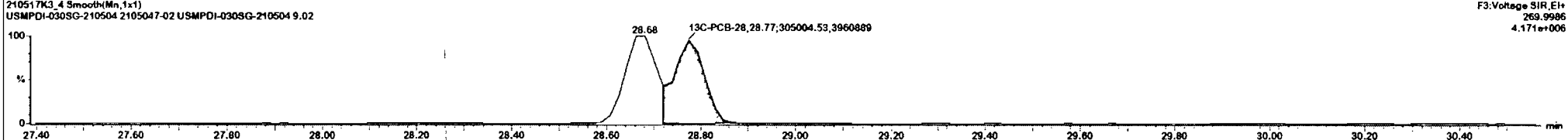
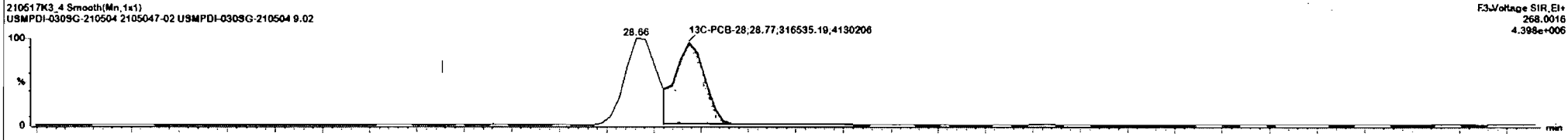
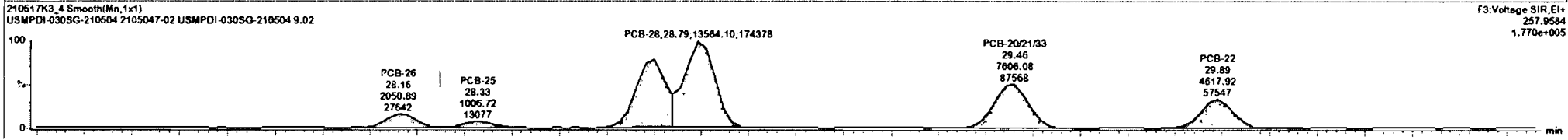
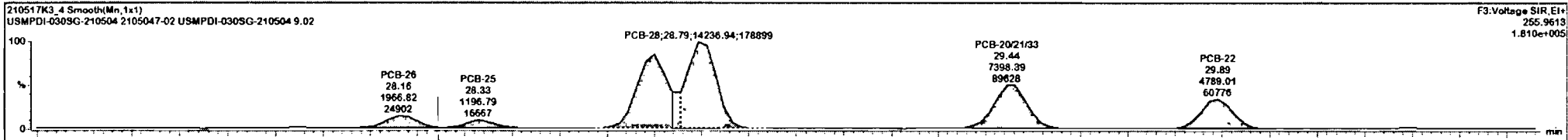


**PFK3d**



210517K3\_4 - 2105047-02 USMPDI-030SG-210504 9.02 - USMPDI-030SG-210504

#	Name	Pred Rt	Rt	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	rvy	EUPC	Conc.
1	21 PCB-26	28.16	28.16	1.967e3	2.051e3	1.040	0.99	NO	14.066	14.066
2	22 PCB-25	28.32	28.33	1.157e3	1.007e3	1.040	1.19	NO	7.7083	7.7083
3	23 PCB-31	28.70	28.79	1.075e4	9.94e3	1.040	1.0E	NO	64.312	64.312
4	24 PCB-28	28.79	28.79	1.424e4	1.356e4	1.040	1.05	NO	87.769	87.769
5	25 PCB-20/21/33	29.43	29.44	7.398e3	7.606e3	1.040	0.97	NO	52.640	52.640
6	26 PCB-22	29.89	29.89	4.789e3	4.618e3	1.040	1.04	NO	31.775	31.775
7	31 PCB-37	32.83	32.83	5.345e3	5.464e3	1.040	0.96	NO	35.479	35.479



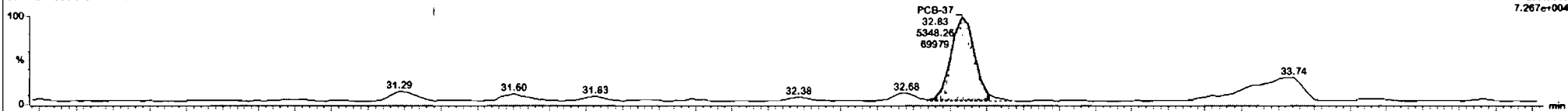


210517K3\_4 - 2105047-02 USMPDI-030SG-210504 9.02 - USMPDI-030SG-210504

#	Name	Pred. RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	rly	EMPC	Conc.
1	21 PCB-26	28.18	28.16	1.967e3	2.051e3	1.040	0.96	ND	14.066	14.066
2	22 PCB-25	28.32	28.33	1.197e3	1.607e3	1.040	1.19	ND	7.7083	7.7083
3	23 PCB-31	28.70	28.70	1.075e4	9.944e3	1.040	1.02	ND	64.312	64.312
4	24 PCB-28	28.79	28.79	1.424e4	1.356e4	1.040	1.05	ND	87.769	87.769
5	25 PCB-20/21/23	29.43	29.44	7.398e3	7.666e3	1.040	0.97	ND	52.640	52.640
6	26 PCB-32	29.89	29.89	4.789e3	4.618e3	1.040	1.04	ND	31.775	31.775
7	31 PCB-37	32.83	32.83	5.346e3	5.464e3	1.040	0.96	ND	35.479	35.479

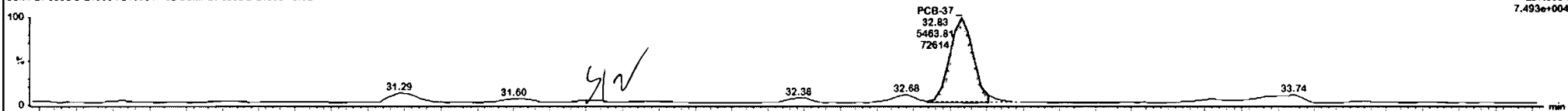
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USMPDI-030SG-210504 2105047-02 USMPDI-030SG-210504 9.02



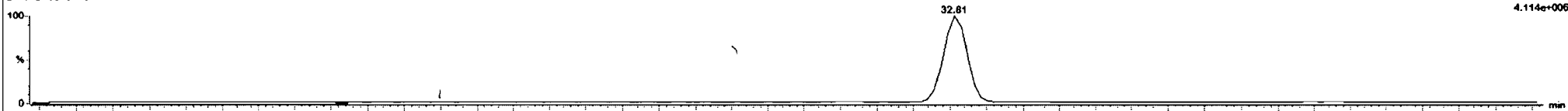
210517K3\_4 Smooth(Mn, 1x1)

USMPDI-030SG-210504 2105047-02 USMPDI-030SG-210504 9.02



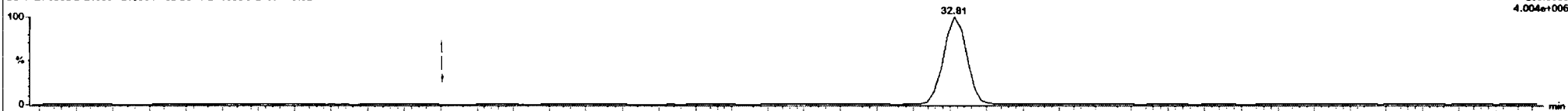
210517K3\_4 Smooth(Mn, 1x1)

USMPDI-030SG-210504 2105047-02 USMPDI-030SG-210504 9.02



210517K3\_4 Smooth(Mn, 1x1)

USMPDI-030SG-210504 2105047-02 USMPDI-030SG-210504 9.02



Ready

210517K3\_4

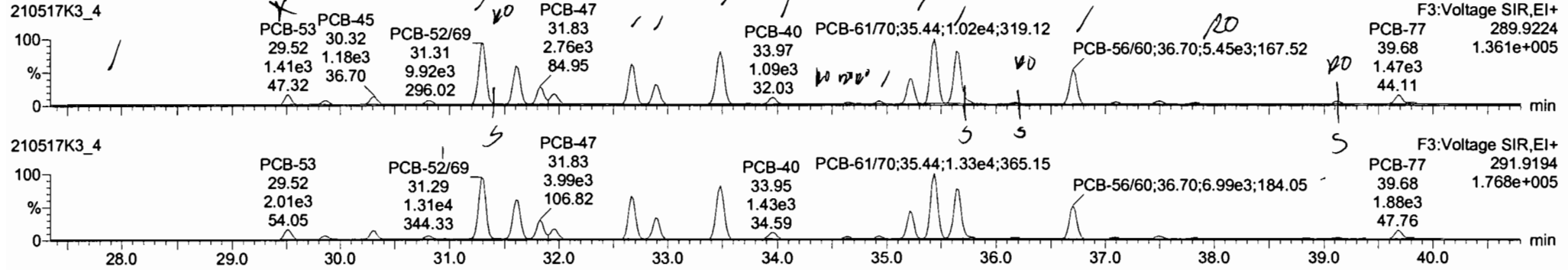
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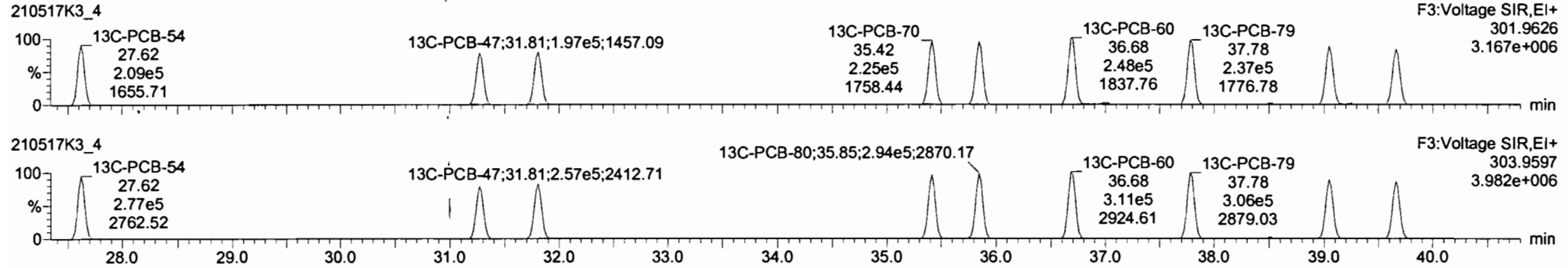
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Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

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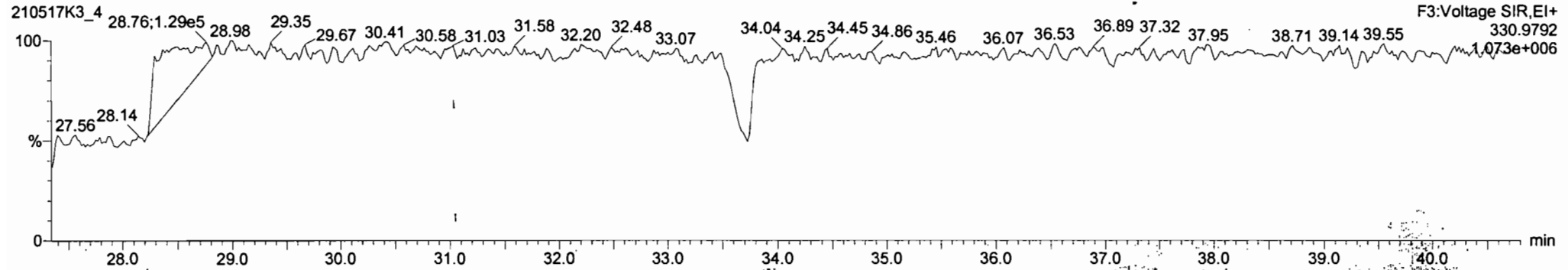
PCB-54



13C-PCB-54



PFK3a



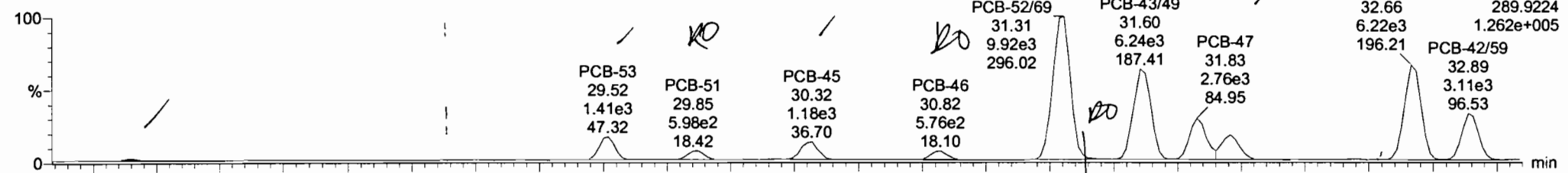
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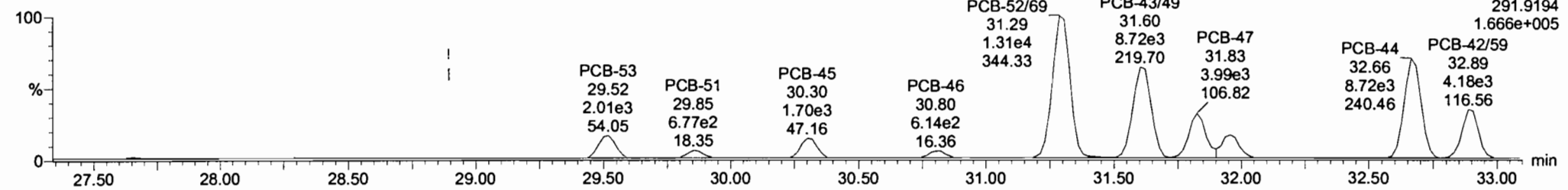
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PCB-50

210517K3\_4

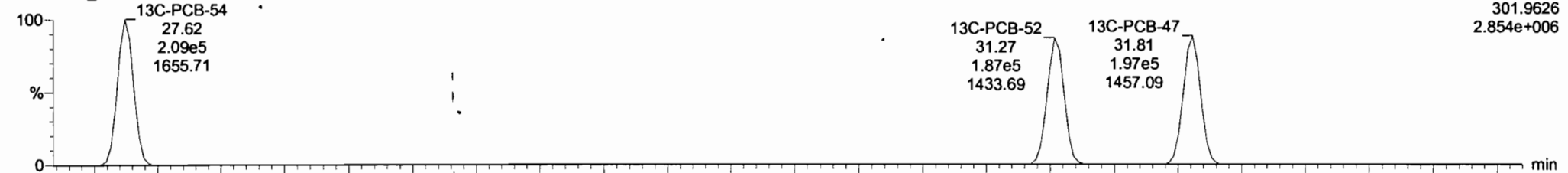


210517K3\_4

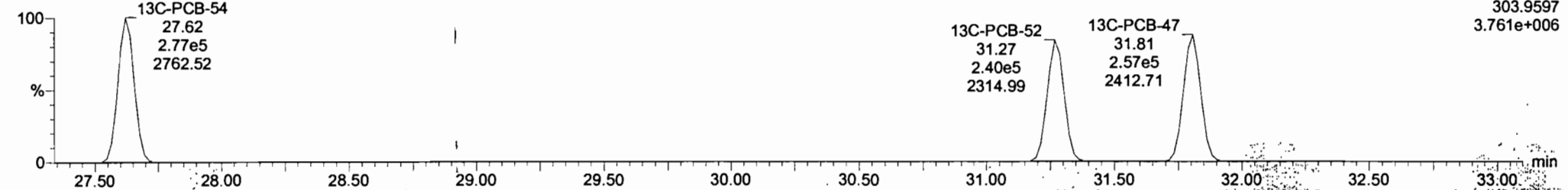


13C-PCB-52

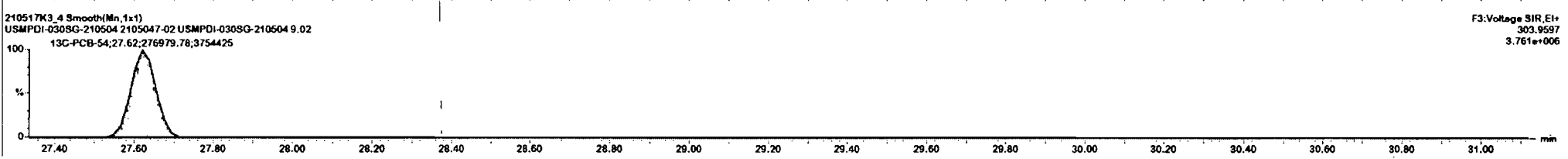
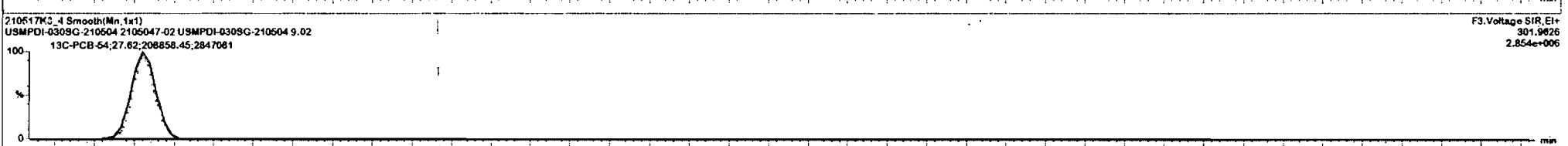
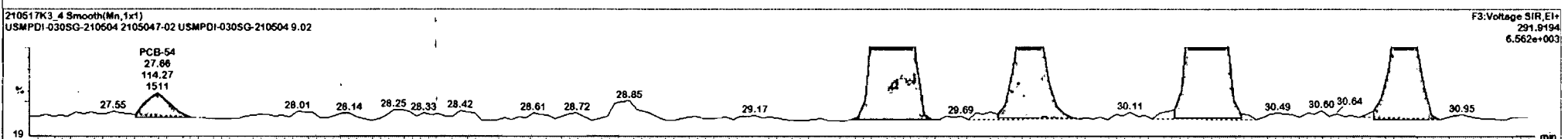
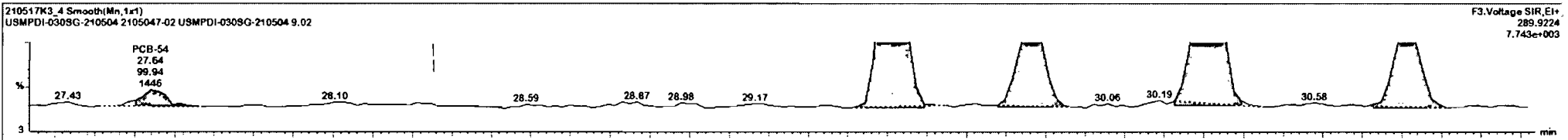
210517K3\_4



210517K3\_4

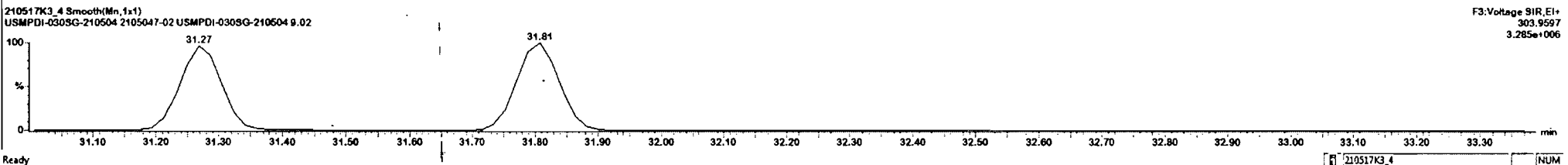
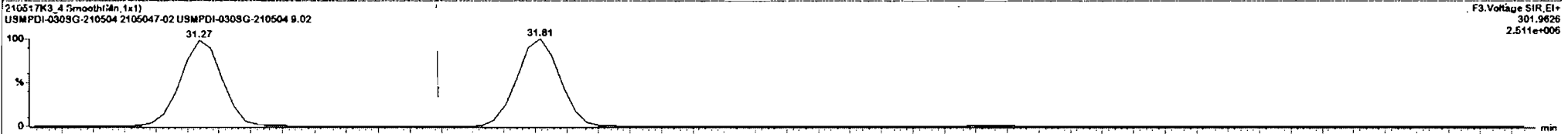
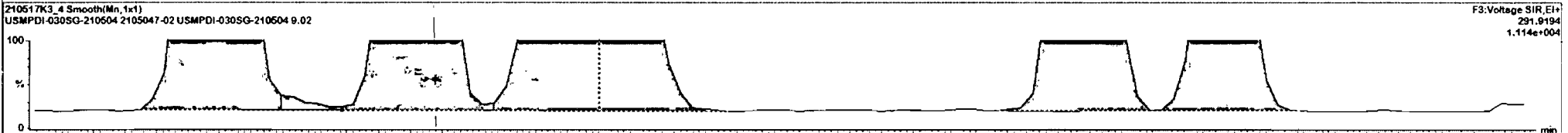
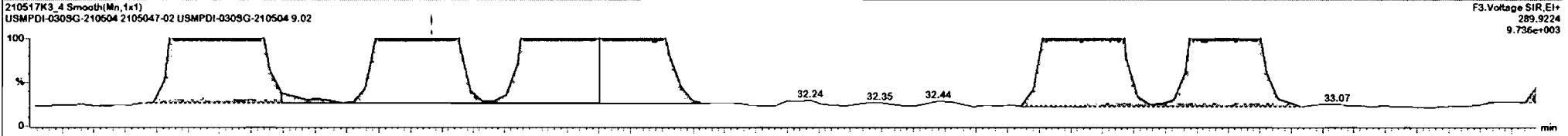


#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.64	27.64	9.99e1	1.142e2	0.770	0.87	NO	0.99068	0.90068
2	34 PCB-53	29.52	29.52	1.420e3	2.005e3	0.770	0.71	NO	16.976	16.976
3	35 PCB-51	29.87	29.85	6.086e2	6.433e2	0.770	0.95	YES	5.3068	0.00000
4	36 PCB-45	30.32	30.32	1.199e3	1.661e3	0.770	0.72	NO	16.589	16.589
5	37 PCB-46	30.82	30.82	5.834e2	6.175e2	0.770	0.94	YES	6.6023	0.00000
6	38 PCB-5189	31.31	31.31	9.860e3	1.297e4	0.770	0.76	NO	98.156	98.156
7	39 PCB-73	31.44	31.40	5.450e1	9.356e1	0.770	0.58	YES	0.44713	0.00000
8	40 PCB-3349	31.89	31.80	6.237e3	6.731e3	0.770	0.71	NO	75.303	75.303
9	41 PCB-47	31.82	31.83	2.784e3	3.972e3	0.770	0.70	NO	34.245	34.245
10	42 PCB-4875	31.96	31.96	1.706e3	2.124e3	0.770	0.80	NO	16.190	16.190



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#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratb (Pred)	RA	rly	EMPC	Conc.
1	32 PCB-54	27.64	27.64	5.954e1	1.142e2	0.770	0.87	NO	0.90068	0.90068
2	34 PCB-53	29.52	29.52	1.420e2	2.005e2	0.770	0.71	NO	16.976	16.976
3	35 PCB-51	29.67	29.65	6.086e2	6.433e2	0.770	0.95	YES	5.3058	0.00000
4	36 PCB-45	30.32	30.32	1.169e2	1.661e2	0.770	0.72	NO	16.559	16.589
5	37 PCB-46	30.82	30.82	5.834e2	6.175e2	0.770	0.94	YES	8.6023	0.00000
6	33 PCB-52/69	31.31	31.21	9.866e3	1.297e4	0.770	0.76	NO	98.156	98.156
7	39 PCB-73	31.44	31.40	5.460e1	9.356e1	0.770	0.56	YES	0.44713	0.00000
8	40 PCB-43/49	31.59	31.80	6.237e3	8.731e3	0.770	0.71	NO	75.303	75.303
9	41 PCB-47	31.83	31.83	2.764e3	3.972e3	0.770	0.70	NO	34.245	34.245
10	42 PCB-48/75	31.96	31.96	1.708e3	2.124e2	0.770	0.80	NO	10.190	16.190



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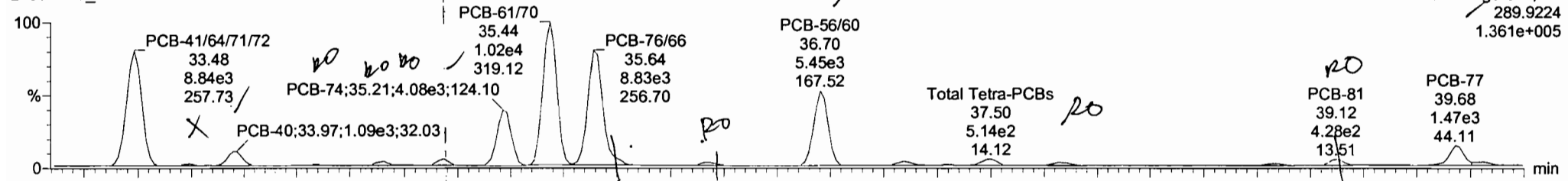
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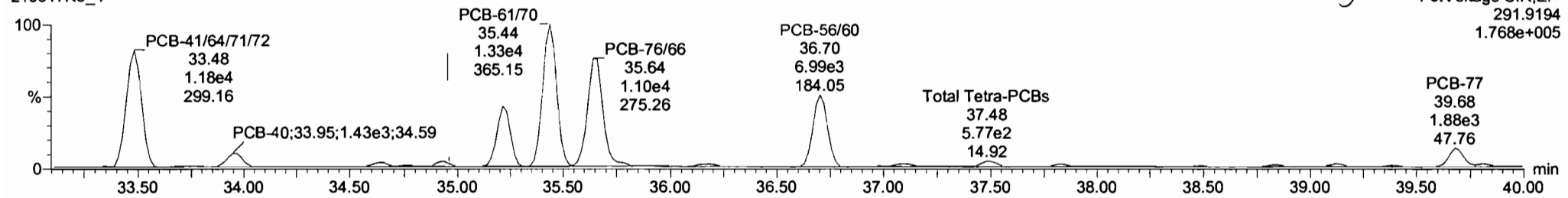
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PCB-68

210517K3\_4

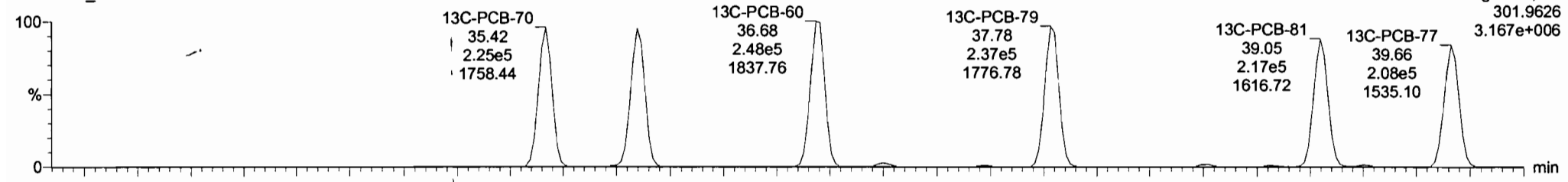


210517K3\_4

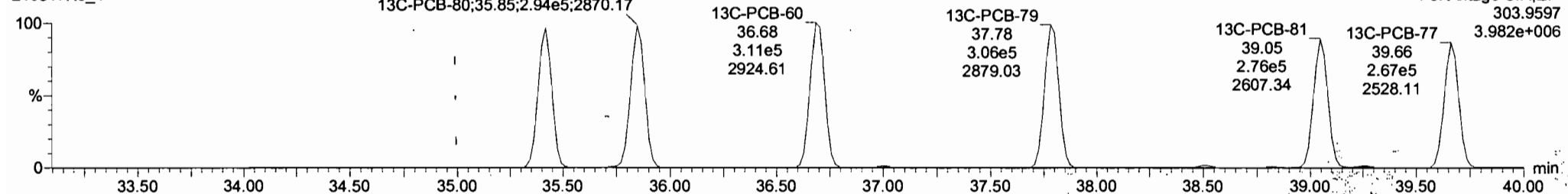


13C-PCB-60

210517K3\_4



210517K3\_4

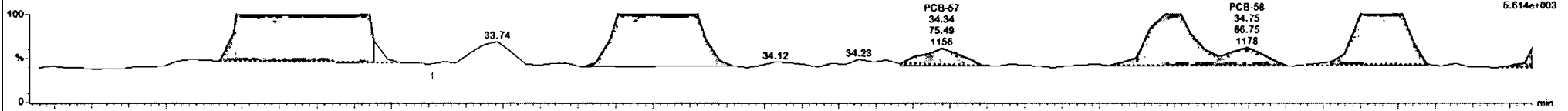


210517K3\_4 - 2105047-02 USMPDI-030SG-210504 9.02 - USMPDI-030SG-210504

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	ENPC	Conc.
8	40 PCB-43/49	31.59	31.60	6.237e3	8.731e3	0.770	0.71	NO	75.303	75.303
9	41 PCB-47	31.83	31.83	2.784e3	3.972e3	0.770	0.70	NO	34.245	34.245
10	42 PCB-48/75	31.96	31.96	1.708e3	2.124e3	0.770	0.80	NO	16.190	16.190
11	45 PCB-44	32.65	32.86	8.234e3	8.739e3	0.770	0.71	NO	86.682	86.682
12	46 PCB-42/59	32.89	32.89	3.116e3	4.163e3	0.770	0.75	NO	32.844	32.844
13	47 PCB-41/64/172	33.48	33.48	8.827e3	1.151e4	0.770	0.75	NO	81.111	81.111
14	49 PCB-40	34.00	33.97	1.051e3	1.430e3	0.770	0.76	NO	19.319	19.319
15	50 PCB-57	34.34	34.34	7.549e1	1.457e2	0.770	0.52	YES	0.62706	0.00000
16	51 PCB-87	34.85	34.85	2.553e2	4.263e2	0.770	0.60	YES	2.2471	0.00000
17	52 PCB-58	34.75	34.75	6.875e1	1.558e2	0.770	0.43	YES	0.55182	0.00000

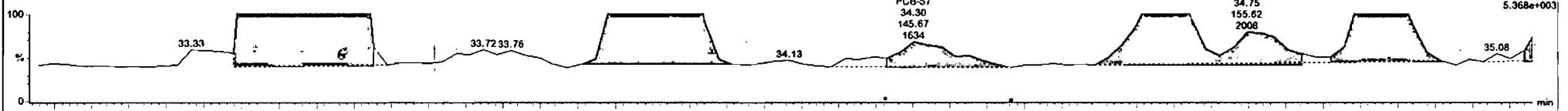
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USMPDI-030SG-210504 2105047-02 USMPDI-030SG-210504 9.02



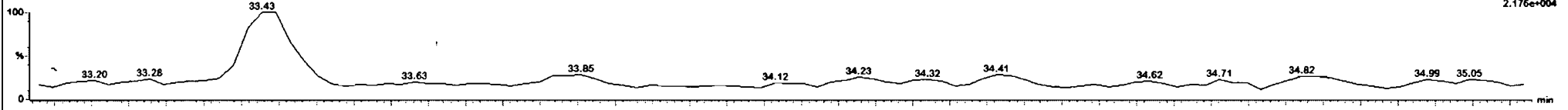
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USMPDI-030SG-210504 2105047-02 USMPDI-030SG-210504 9.02



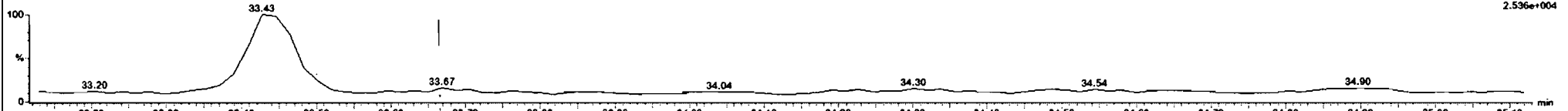
210517K3\_4 Smooth(Mn, 1x1)

USMPDI-030SG-210504 2105047-02 USMPDI-030SG-210504 9.02



210517K3\_4 Smooth(Mn, 1x1)

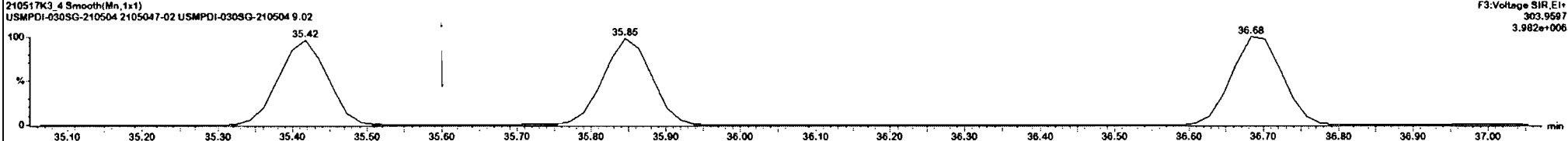
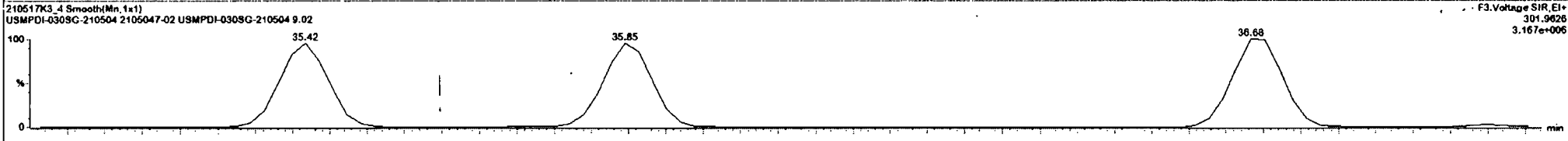
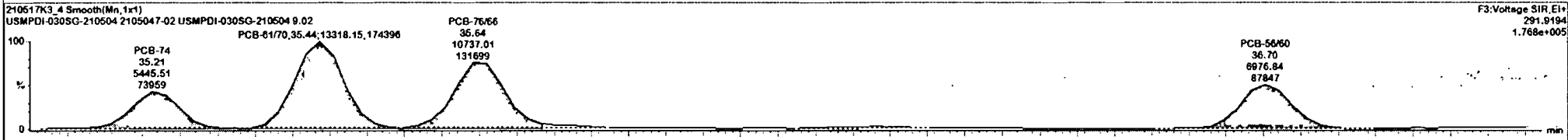
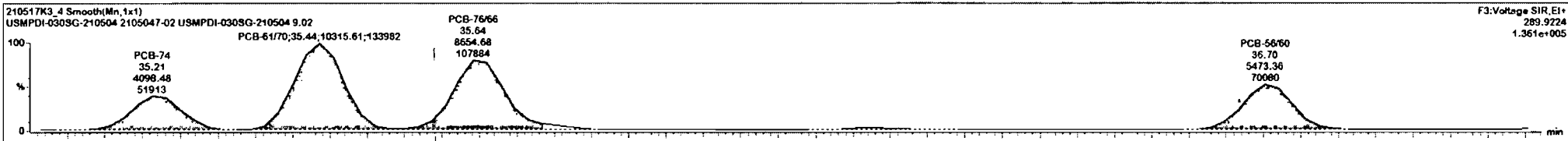
USMPDI-030SG-210504 2105047-02 USMPDI-030SG-210504 9.02



Ready

210517K3\_4 - 2105047-02 USMPDI-030SG-210504 9.02 - USMPDI-030SG-210504

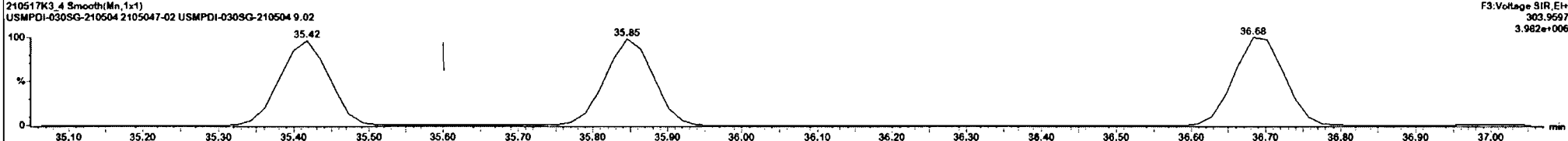
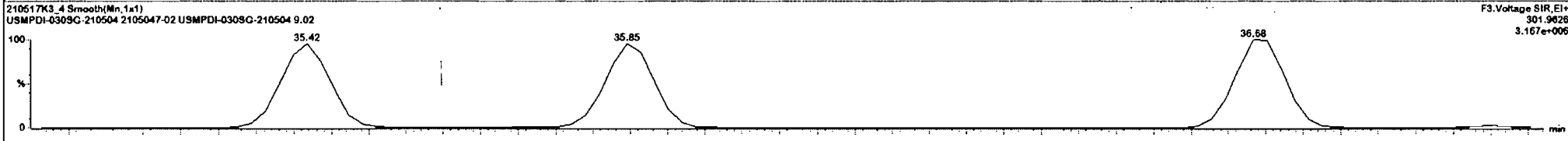
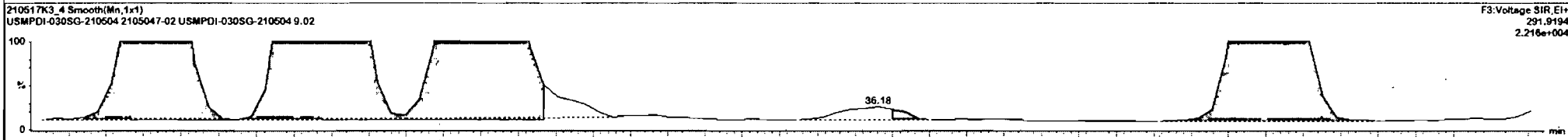
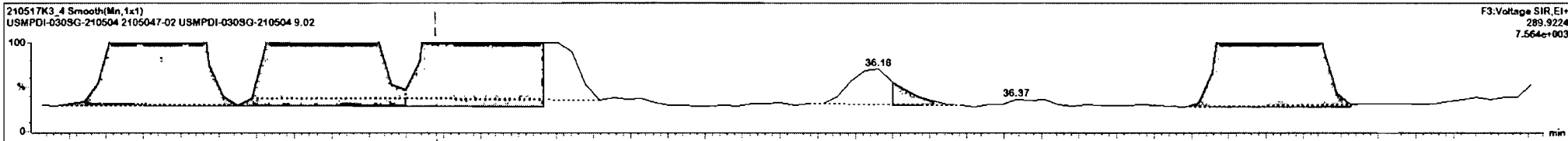
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
8	40 PCB-43/49	31.59	31.60	6.237e3	8.731e3	0.770	C.71	NO	75.303	75.303
9	41 PCB-47	31.83	31.83	2.764e3	3.972e3	0.770	C.70	NO	34.245	34.245
10	42 PCB-48/5	31.98	31.96	1.706e3	2.124e3	0.770	C.80	NO	16.190	16.190
11	45 PCB-44	32.65	32.66	6.234e3	8.739e3	0.770	C.71	NO	86.682	86.682
12	46 PCB-42/59	32.89	32.89	3.116e3	4.183e3	0.770	C.75	NO	32.844	32.844
13	47 PCB-41/64/71/72	33.48	33.48	8.827e3	1.181e4	0.770	C.75	NO	81.111	81.111
14	49 PCB-40	34.00	33.97	1.051e3	1.430e3	0.770	C.76	NO	19.319	19.319
15	50 PCB-57	34.34	34.34	7.549e1	1.457e2	0.770	C.52	YES	0.62706	0.00000
16	51 PCB-67	34.65	34.65	2.553e2	4.268e2	0.770	C.60	YES	2.2471	0.00000
17	52 PCB-58	34.76	34.75	6.875e1	1.556e2	0.770	C.43	YES	0.55182	0.00000



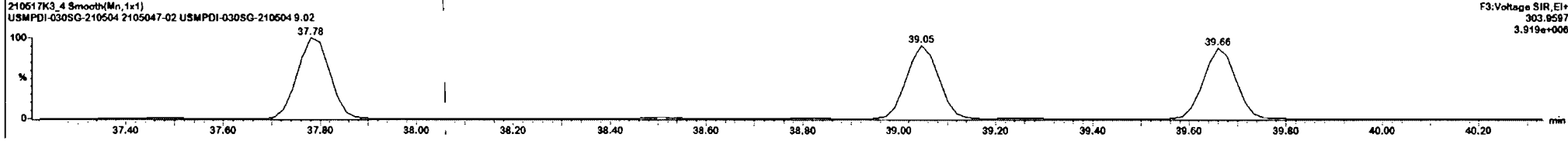
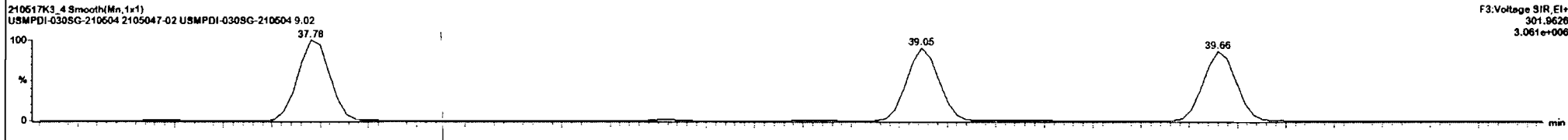
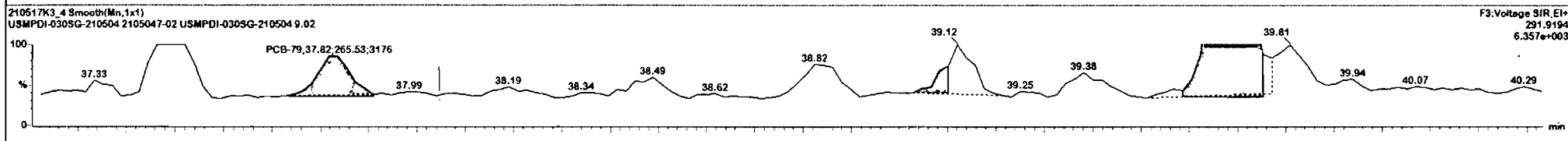
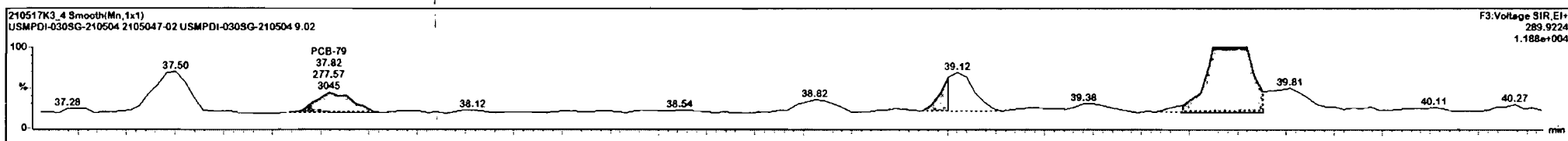


210517K3\_4 - 2105047-02 USMPDI-030SG-210504 9.02 - USMPDI-030SG-210504

#	Name	Pred. RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	rly	ENPC	Conc.
8	40 PCB-43/49	31.59	31.60	6.237e3	8.731e3	0.770	0.71	NO	75.303	75.303
9	41 PCB-47	31.83	31.83	2.764e3	3.972e3	0.770	0.70	NO	34.245	34.245
10	42 PCB-48/75	31.96	31.96	1.705e3	2.124e3	0.770	0.80	NO	16.190	16.190
11	45 PCB-44	32.65	32.66	6.234e3	8.739e3	0.770	0.71	NO	86.682	86.682
12	46 PCB-42/59	32.89	32.89	3.116e3	4.183e3	0.770	0.75	NO	32.844	32.844
13	47 PCB-41/64/71/72	33.48	33.48	8.827e3	1.181e4	0.770	0.75	NO	81.111	81.111
14	49 PCB-40	34.00	33.97	1.091e3	1.430e3	0.770	0.76	NO	19.319	19.319
15	50 PCB-57	34.34	34.34	7.549e1	1.457e2	0.770	0.52	YES	0.62706	0.00000
16	51 PCB-67	34.85	34.85	2.553e2	4.268e2	0.770	0.60	YES	2.2471	0.00000
17	52 PCB-58	34.76	34.75	6.675e1	1.556e2	0.770	0.43	YES	0.55182	0.00000

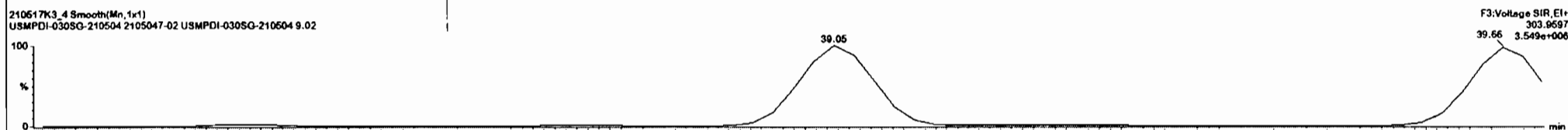
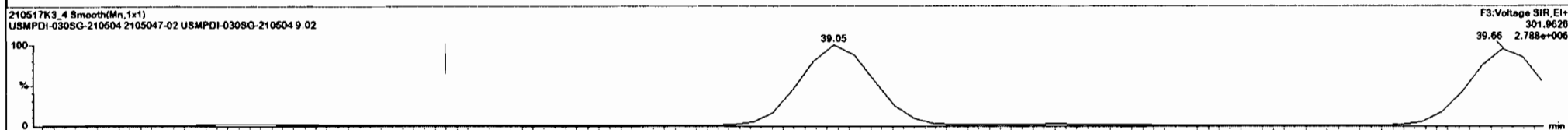
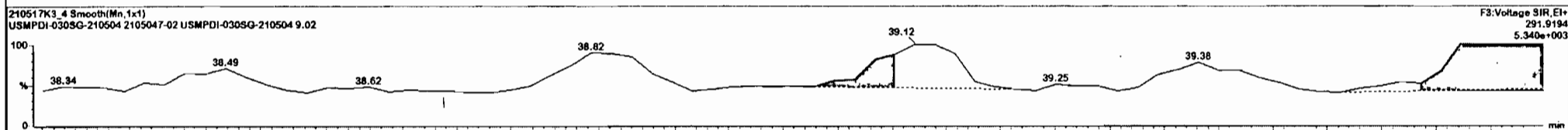
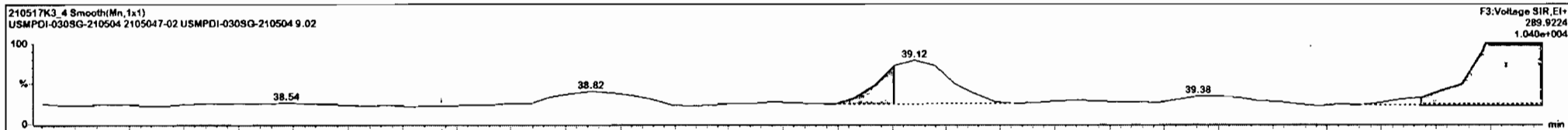


#	Name	Resp	RA	n/y	RRF	wtAvl	Pred RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				0.9610	5.025	0.00		0.000		NO	744.0		19.2	762.4
229	229 3rd Function Penta-PCBs				1.1133	5.025	0.00		0.000		NO	830.3		16.0	850.5
230	230 4th Function Penta-PCBs				1.0512	5.025	0.00		0.000		NO	58.11		4.27	62.40
231	231 3rd Function Hexa-PCBs				0.7910	5.025	0.00		0.000		NO	233.5		6.57	233.5
232	232 4th Function Hexa-PCBs				0.9455	5.025	0.00		0.000		NO	602.9		22.8	610.0
233	233 Total Hepta-PCBs				1.2043	5.025	0.00		0.000		NO	476.3		16.5	512.1
234	234 4th Function Octa-PCBs				0.8605	5.025	0.00		0.000		NO	107.9		2.56	118.4
235	235 5th Function Octa-PCBs				1.0957	5.025	0.00		0.000		NO	13.12		1.66	44.52
236	236 Total Nona-PCBs				0.8671	5.025	0.00		0.000		NO	54.13		1.25	54.13
237	237 Deca-CB				0.8827	5.025	0.00		0.000		NO	23.28		0.231	23.27
238	238 Total PCBs														
239	239 Total Mono-isotopes														
240	240 Total Di-isotopes														



210517K3\_4 - 2105047-02 USMPDI-030SG-210504 9.02 - USMPDI-030SG-210504

#	Name	Resp	RA	nly	RRF	wtVol	Pred RT	RT	Pred R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				0.9910	5.025	0.00		0.000		NO	744.8	19.2	762.4	
229	229 3rd Function Penta-PCBs				1.1133	5.025	0.00		0.000		NO	830.3	15.0	850.5	
230	230 4th Function Penta-PCBs				1.0512	5.025	0.00		0.000		NO	58.11	4.27	62.40	
231	231 3rd Function Hexa-PCBs				0.7910	5.025	0.00		0.000		NO	233.5	6.57	233.5	
232	232 4th Function Hexa-PCBs				0.9455	5.025	0.00		0.000		NO	602.9	22.8	610.0	
233	233 Total Hepta-PCBs				1.2043	5.025	0.00		0.000		NO	476.3	18.5	512.1	
234	234 4th Function Octa-PCBs				0.8605	5.025	0.00		0.000		NO	107.9	2.56	118.4	
235	235 5th Function Octa-PCBs				1.0957	5.025	0.00		0.000		NO	13.12	1.86	44.52	
236	236 Total Nona-PCBs				0.8671	5.025	0.00		0.000		NO	54.13	1.25	54.13	
237	237 Deca-CB				0.8827	5.025	0.00		0.000		NO	23.26	0.231	23.27	
238	238 Total PCBs														
239	239 Total Mono-brochene														

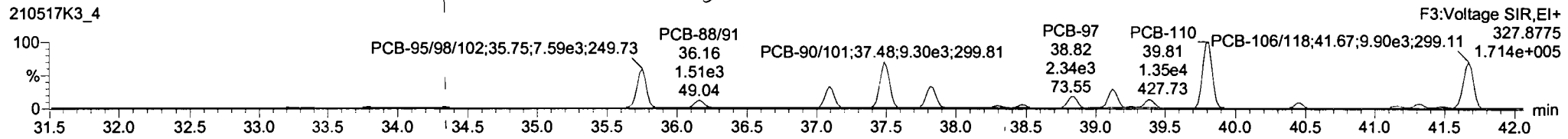
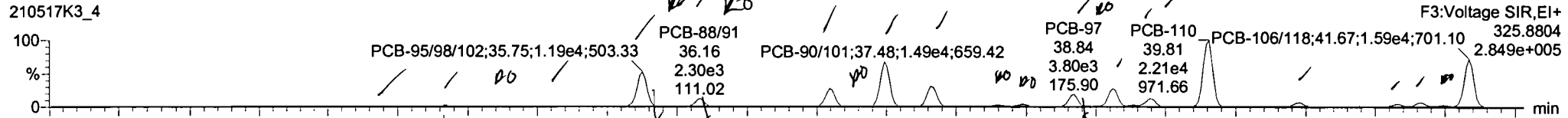


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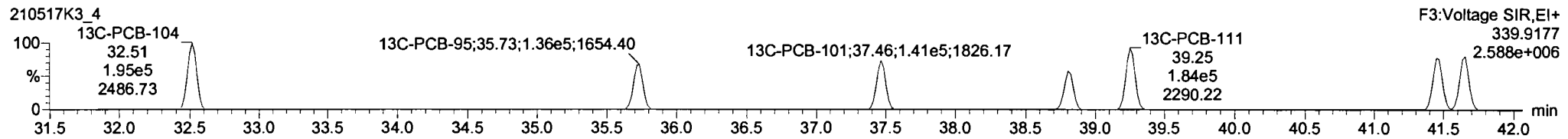
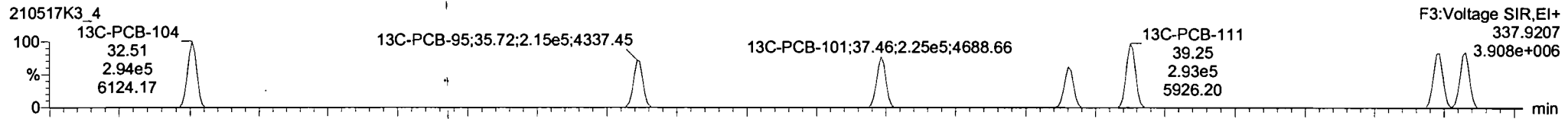
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Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

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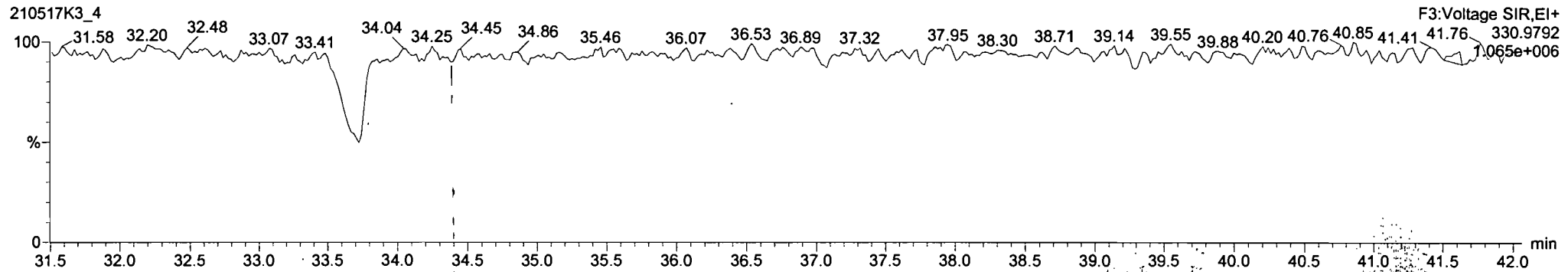
**PCB-104**



**13C-PCB-104**



**PFK3b**



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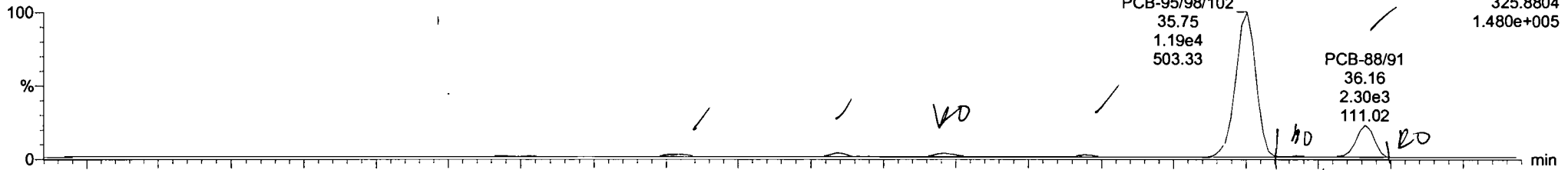
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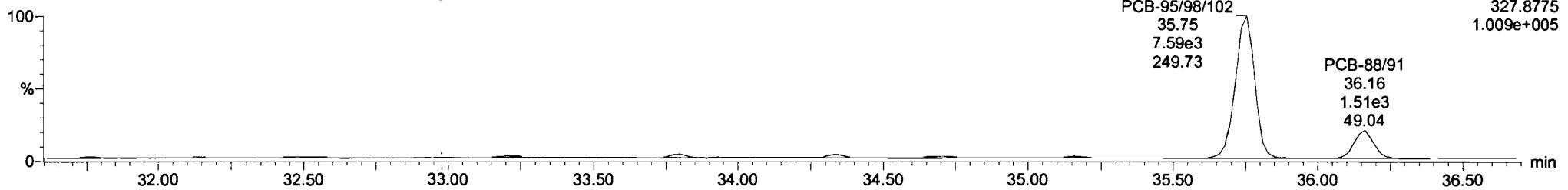
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**PCB-96**

210517K3\_4

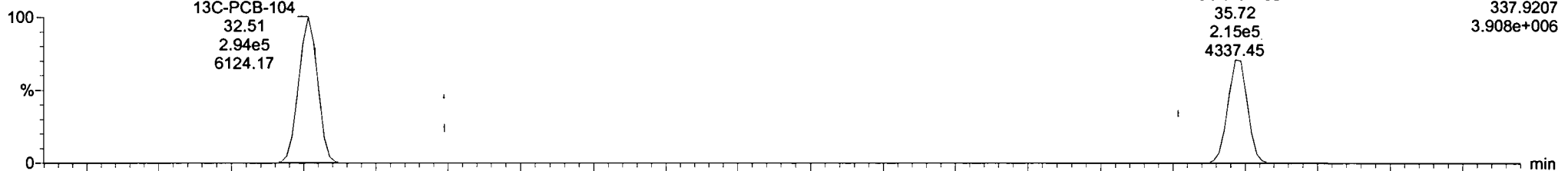


210517K3\_4

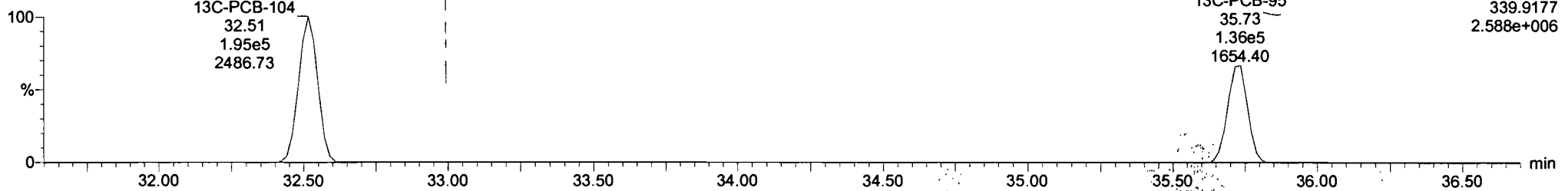


**13C-PCB-95**

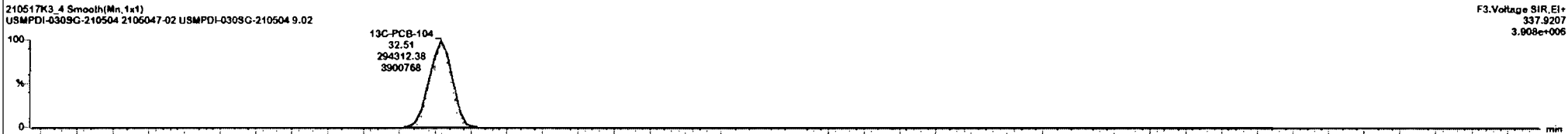
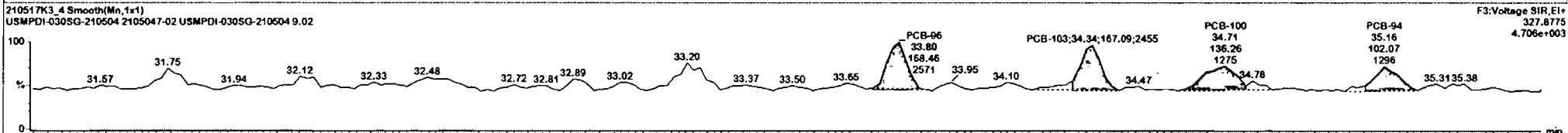
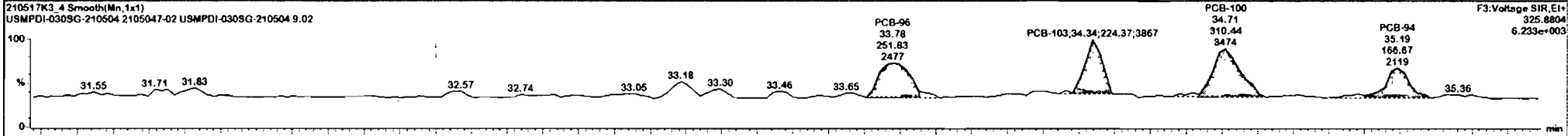
210517K3\_4



210517K3\_4



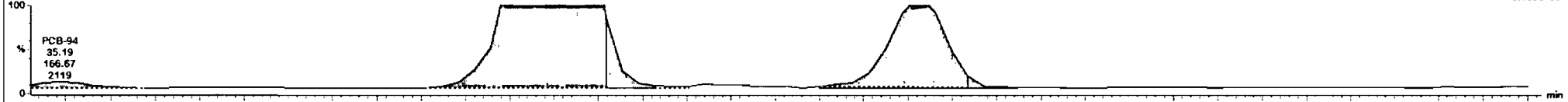
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	66 PCB-96	33.84	33.78	2.518e2	1.625e2	1.560	1.50	NO	1.7390	1.7391
2	66 PCB-103	34.42	34.34	2.244e2	1.671e2	1.560	1.34	NO	2.0680	2.0679
3	67 PCB-100	34.77	34.71	3.104e2	1.363e2	1.560	2.28	YES	1.7820	0.00000
4	68 PCB-94	35.17	35.19	1.667e2	1.021e2	1.560	1.63	NO	1.8370	1.8370
5	69 PCB-S568/102	35.87	35.75	1.149e4	7.407e3	1.560	1.55	NO	100.19	100.19
6	70 PCB-93	35.79	35.81	3.745e2	2.009e2	1.560	1.86	YES	3.8360	0.00000
7	71 PCB-88/91	36.14	36.16	2.331e3	1.441e3	1.560	1.62	NO	23.531	23.531
8	72 PCB-121	36.25	36.22	6.318e1	5.911e1	1.560	1.07	YES	0.40200	0.00000
9	73 PCB-84/82	37.09	37.09	5.879e2	4.095e2	1.560	1.44	NO	65.710	65.710
10	74 PCB-89	37.27	37.30	1.692e2	1.460e2	1.560	1.16	YES	1.7080	0.00000



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#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	ELPC	Conc.
1	55 PCB-56	33.84	33.78	2.518e2	1.685e2	1.560	1.50	NO	1.7390	1.7391
2	56 PCB-103	34.42	34.34	2.244e2	1.671e2	1.560	1.34	NO	2.0680	2.0679
3	57 PCB-100	34.77	34.71	3.104e2	1.363e2	1.560	2.28	YES	1.7520	0.00000
4	58 PCB-94	35.17	35.19	1.667e2	1.021e2	1.560	1.63	NO	1.8370	1.8370
5	86 PCB-95/96/102	35.87	35.75	1.145e4	7.407e3	1.560	1.55	NO	100.19	100.19
6	70 PCB-53	35.79	35.81	3.745e2	2.009e2	1.560	1.86	YES	3.8360	0.00000
7	71 PCB-88/91	36.14	36.16	2.331e3	1.441e3	1.560	1.62	NO	23.531	23.531
8	72 PCB-121	36.25	36.22	6.318e1	5.611e1	1.560	1.07	YES	0.40200	0.00000
9	73 PCB-84/82	37.09	37.09	5.879e3	4.095e3	1.560	1.44	NO	65.710	65.710
10	74 PCB-89	37.27	37.30	1.693e2	1.460e2	1.560	1.16	YES	1.7080	0.00000

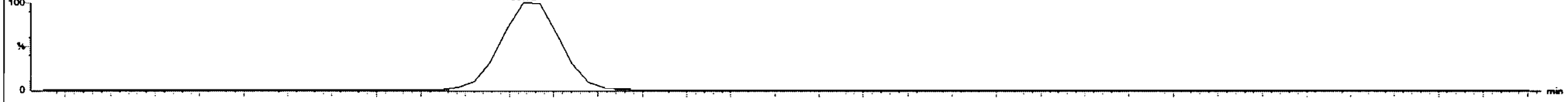
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 USMPDI-030SG-210504 2105047-02 USMPDI-030SG-210504 9.02 325.8804  
 3.106e+004



210517K3\_4 Smooth(Mn, 1x1) F3:Voltage SIR, E1+  
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210517K3\_4 Smooth(Mn, 1x1) F3:Voltage SIR, E1+  
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 2.767e+006



210517K3\_4 Smooth(Mn, 1x1) F3:Voltage SIR, E1+  
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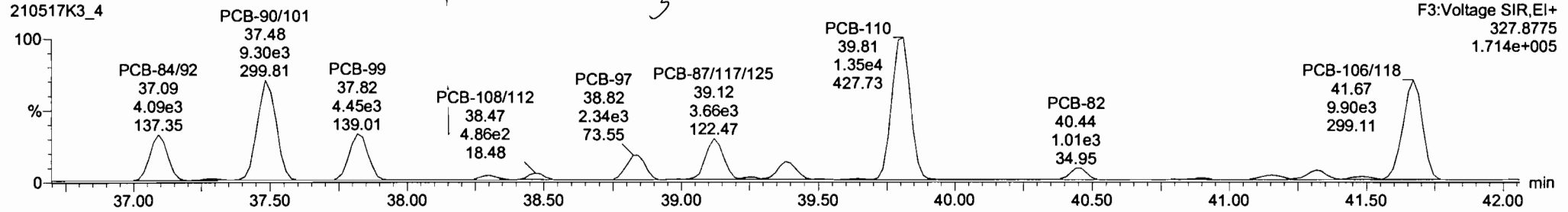
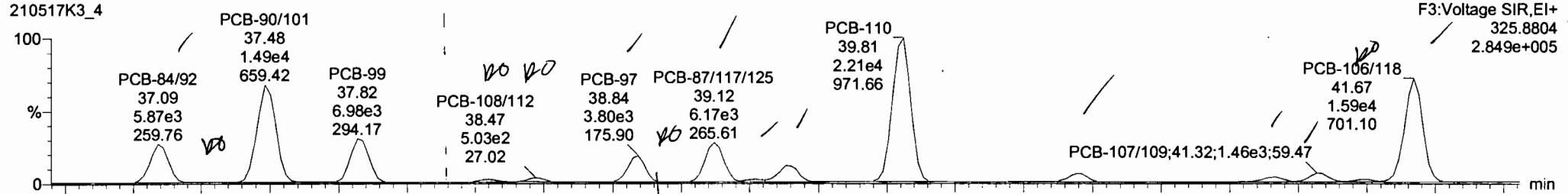


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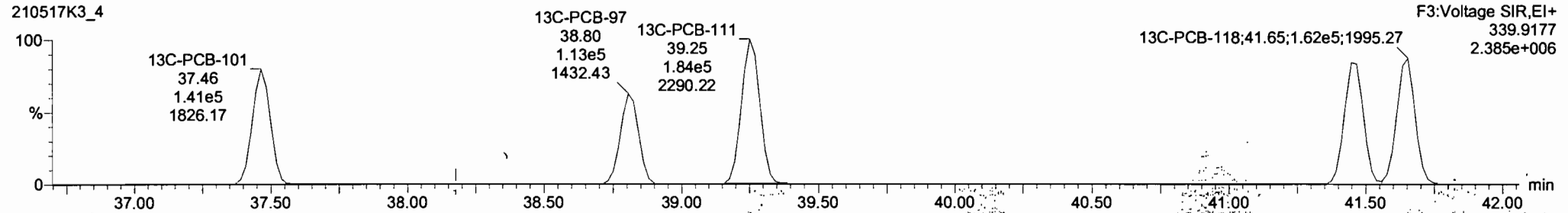
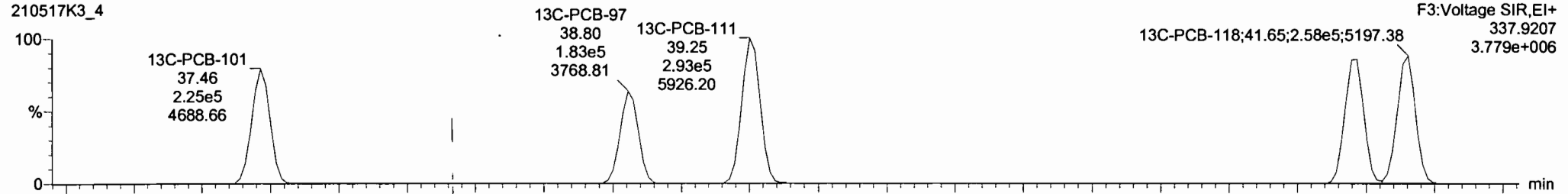
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Name: 210517K3\_4, Date: 18-May-2021, Time: 06:05:17, ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504

PCB-119



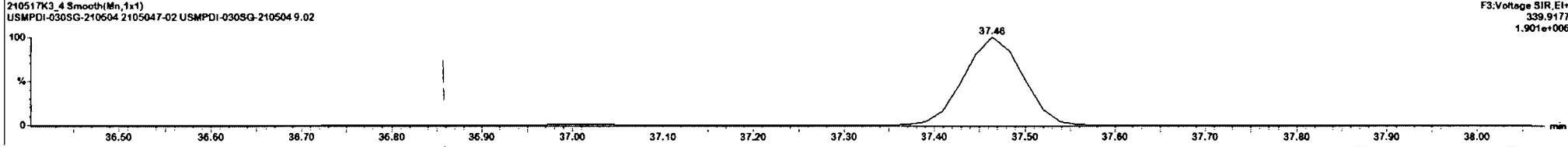
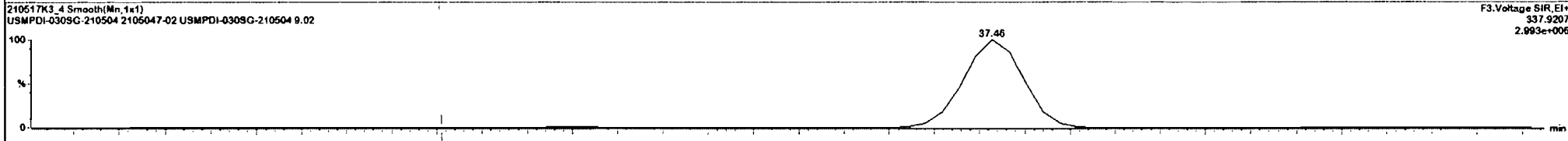
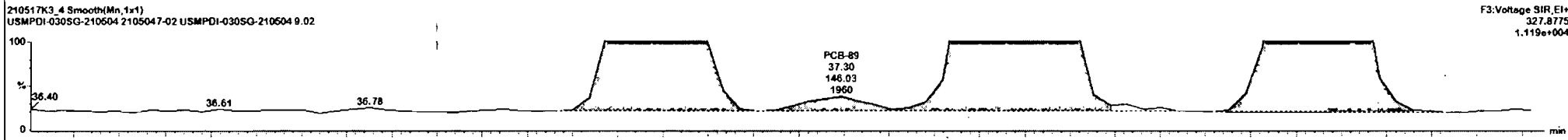
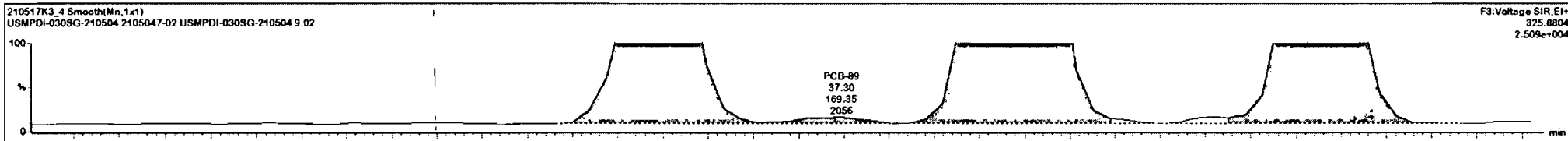
13C-PCB-111



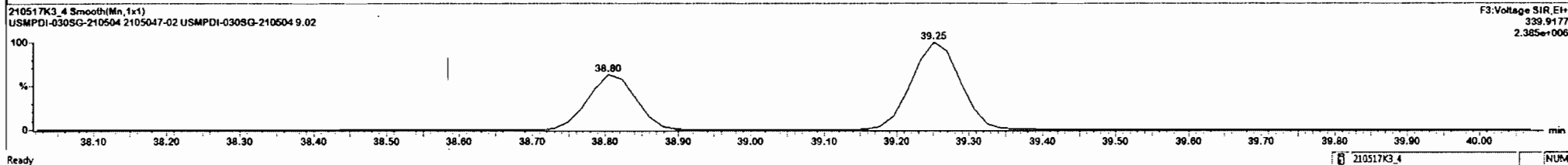
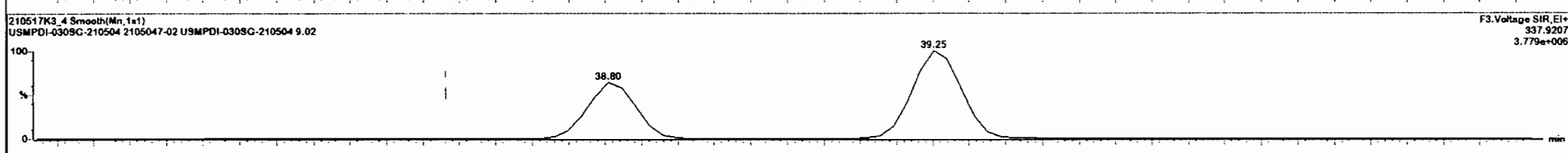
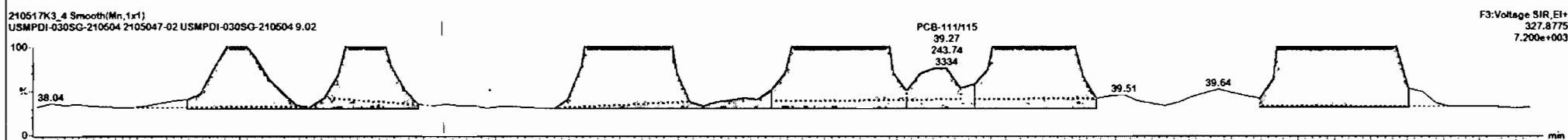
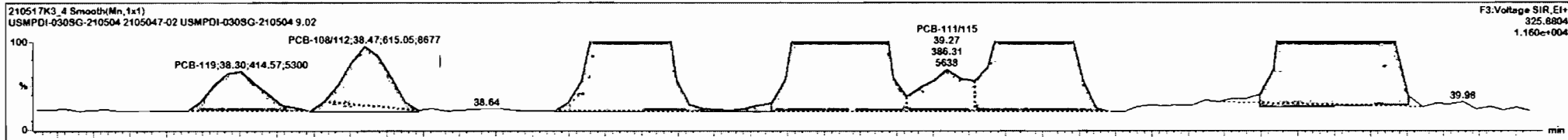


210517K3\_4 - 2105047-02 USMPDI-030SG-210504 9.02 - USMPDI-030SG-210504

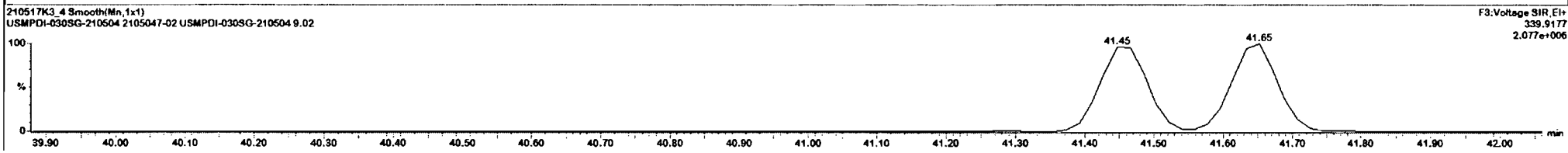
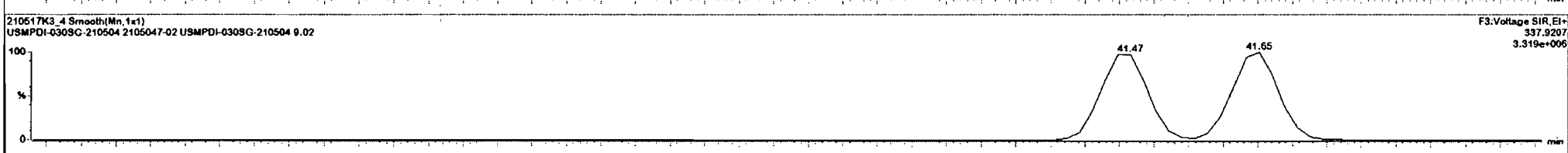
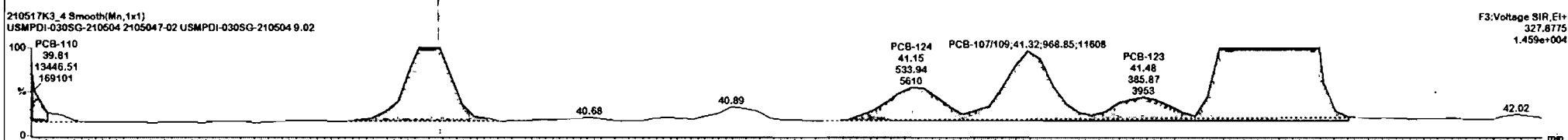
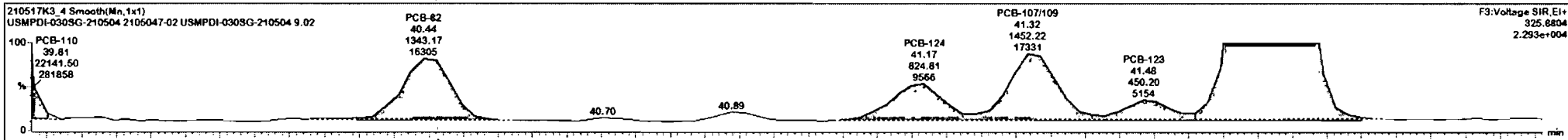
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	PCB-96	33.84	33.78	2.518e2	1.685e2	1.560	1.50	NO	1.7290	1.7391
2	PCB-103	34.42	34.24	2.244e2	1.671e2	1.560	1.34	NO	2.0580	2.0679
3	PCB-100	34.77	34.71	3.104e2	1.363e2	1.560	2.28	YES	1.7520	0.00000
4	PCB-94	35.17	35.19	1.667e2	1.021e2	1.560	1.63	NO	1.8370	1.8370
5	PCB-95/96/102	35.87	35.75	1.149e4	7.407e3	1.560	1.55	NO	100.19	100.19
6	PCB-89	35.78	35.81	3.745e2	2.009e2	1.560	1.86	YES	3.8360	0.00000
7	PCB-86/91	36.14	36.16	2.331e3	1.441e3	1.560	1.62	NO	23.531	23.531
8	PCB-121	36.25	36.22	6.318e1	5.911e1	1.560	1.07	YES	0.40200	0.00000
9	PCB-84/82	37.05	37.09	5.879e3	4.095e3	1.560	1.44	NO	65.710	65.710
10	PCB-89	37.27	37.30	1.693e2	1.460e2	1.560	1.16	YES	1.7020	0.00000



#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	PCB-96	33.84	33.78	2.518e2	1.685e2	1.560	1.50	NO	1.7390	1.7381
2	PCB-103	34.42	34.34	2.242e2	1.671e2	1.560	1.34	NO	2.0580	2.0679
3	PCB-100	34.77	34.71	3.104e2	1.963e2	1.560	2.28	YES	1.7620	0.00000
4	PCB-94	35.17	35.19	1.667e2	1.021e2	1.560	1.63	NO	1.8370	1.8370
5	PCB-95/66/102	35.67	35.75	1.149e4	7.407e3	1.560	1.55	NO	100.19	100.19
6	PCB-93	35.79	35.81	3.745e2	2.009e2	1.560	1.86	YES	3.8360	0.00000
7	PCB-88/91	36.14	36.15	2.331e3	1.441e3	1.560	1.62	NO	23.531	23.531
8	PCB-121	36.25	36.22	6.315e1	5.911e1	1.560	1.07	YES	0.40200	0.00000
9	PCB-84/92	37.09	37.09	5.879e3	4.095e3	1.560	1.44	NO	85.710	85.710
10	PCB-89	37.27	37.30	1.690e2	1.480e2	1.560	1.16	YES	1.7080	0.00000



#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	ELPC	Conc.
1	25 PCB-56	23.84	23.78	2.518e2	1.685e2	1.560	1.56	NO	1.7290	1.7391
2	56 PCB-102	24.42	24.34	2.244e2	1.671e2	1.560	1.34	NO	2.0580	2.0679
3	57 PCB-100	24.77	24.71	3.104e2	1.353e2	1.560	2.28	YES	1.7520	0.60000
4	68 PCB-54	25.17	25.19	1.667e2	1.021e2	1.560	1.63	NO	1.8370	1.8370
5	69 PCB-95/68/102	25.87	25.75	1.149e4	7.457e3	1.560	1.55	NO	100.19	100.19
6	70 PCB-93	25.79	25.81	3.745e2	2.009e2	1.560	1.86	YES	3.8360	0.00000
7	71 PCB-88/91	26.14	26.16	2.331e2	1.441e3	1.560	1.62	NO	23.531	23.531
8	72 PCB-121	26.25	26.22	6.318e1	5.911e1	1.560	1.07	YES	0.40200	0.00000
9	73 PCB-84/92	27.09	27.09	5.879e2	4.395e2	1.560	1.44	NO	65.710	65.710
10	74 PCB-89	27.27	27.30	1.693e2	1.460e2	1.560	1.16	YES	1.7080	0.00000



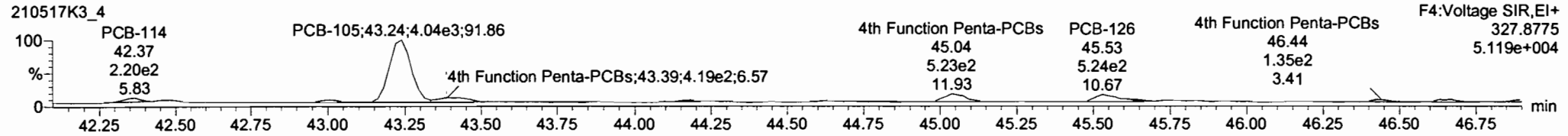
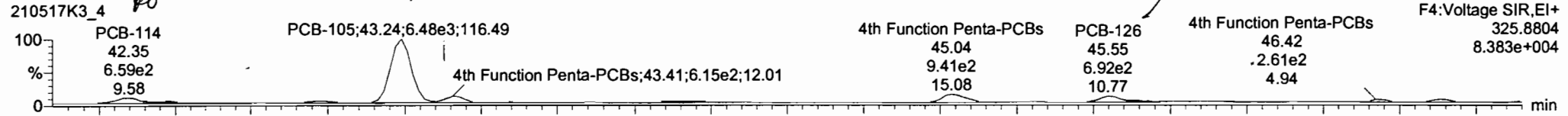
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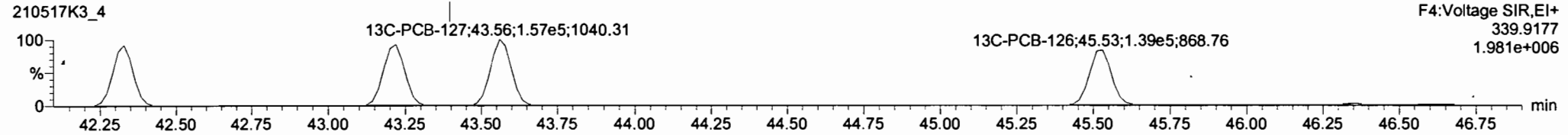
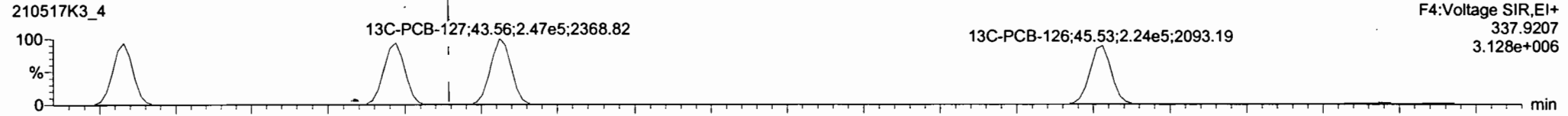
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Name: 210517K3\_4, Date: 18-May-2021, Time: 06:05:17, ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504

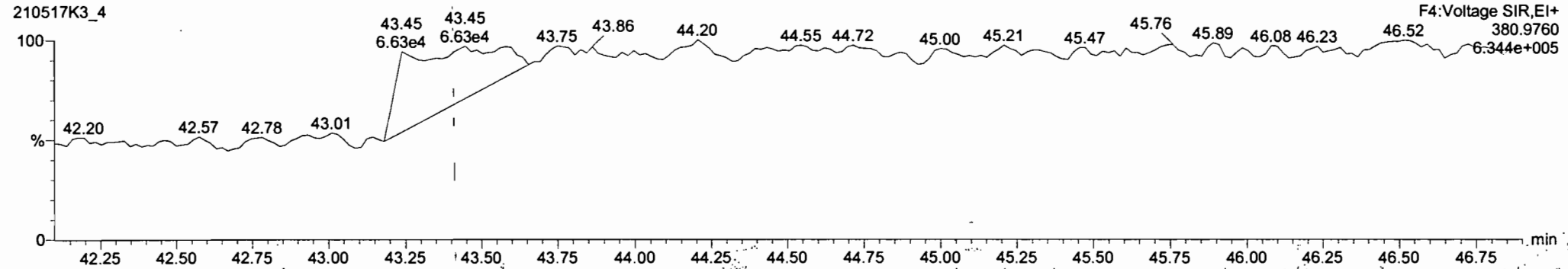
**PCB-114**



**13C-PCB-114**

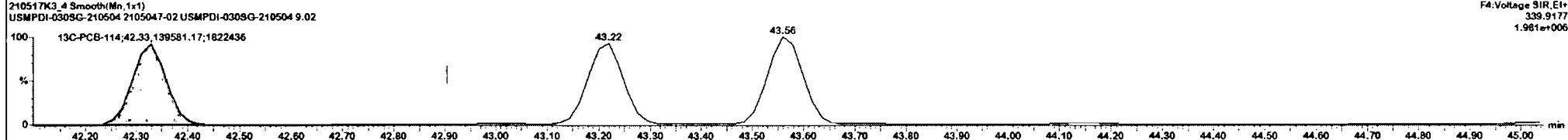
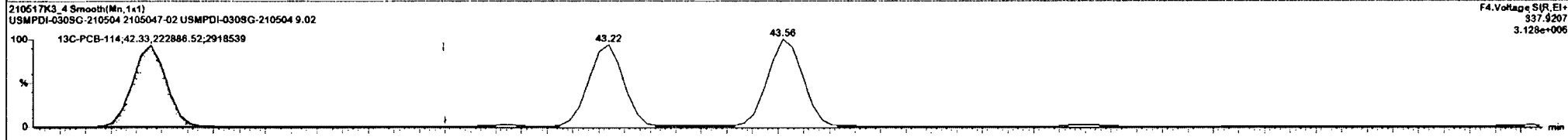
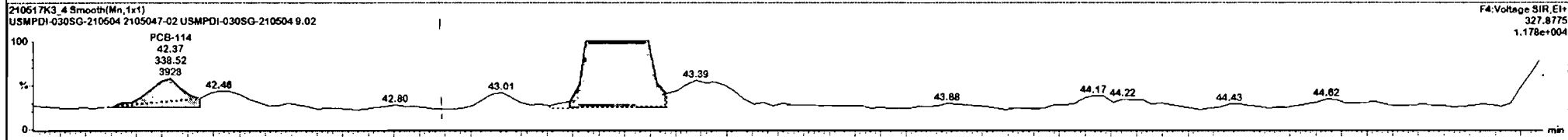
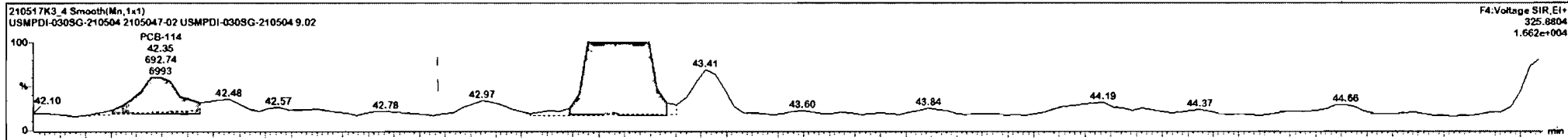


**PFK4a**



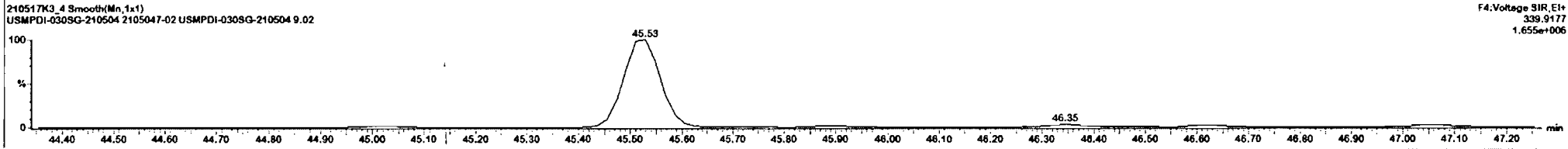
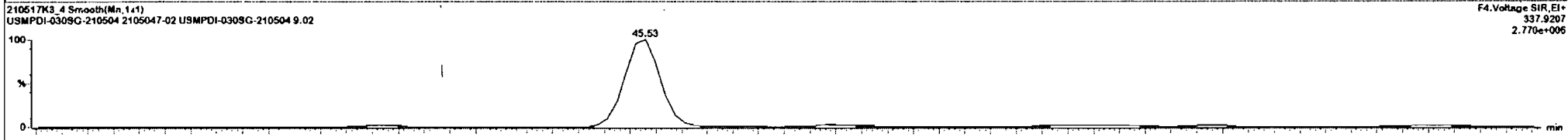
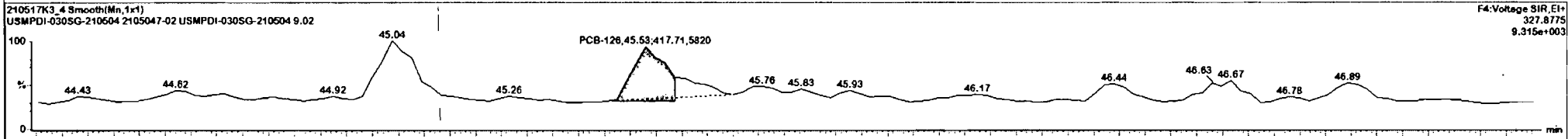
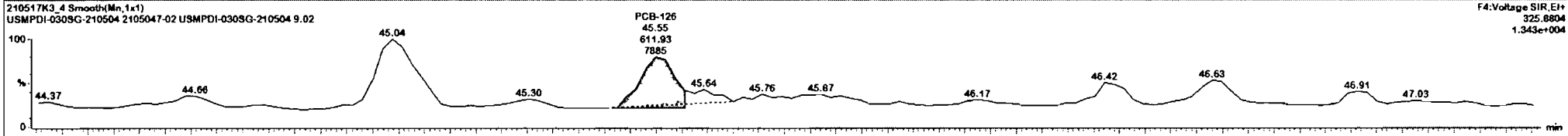
210517K3\_4 - 2105047-02 USMPDI-030SG-210504 9.02 - USMPDI-030SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	93 PCB-114	42.35	42.35	6.927e2	3.385e2	1.560	2.05	YES	4.3898	0.0000
2	96 PCB-105	43.24	43.24	6.381e3	4.020e3	1.550	1.59	NO	53.195	53.195
3	97 PCB-126	45.55	45.55	6.119e2	4.177e2	1.560	1.46	NO	4.9109	4.9109



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#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	93 PCB-114	42.35	42.35	6.927e2	3.325e2	1.560	2.05	YES	4.329E	0.00060
2	95 PCB-105	43.24	43.24	6.381e3	4.020e2	1.550	1.59	NO	53.195	53.195
3	97 PCB-126	45.55	45.55	6.119e2	4.177e2	1.560	1.4E	NO	4.9109	± 9109



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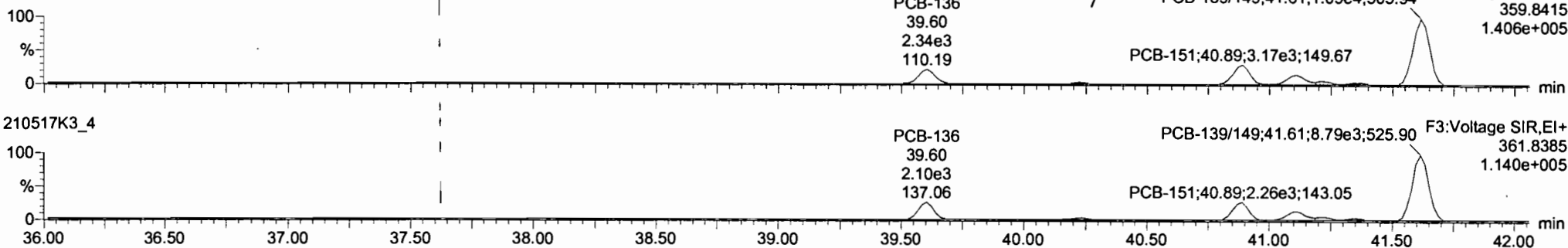
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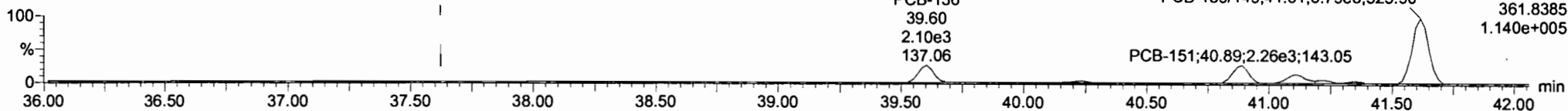
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**PCB-155**

210517K3\_4

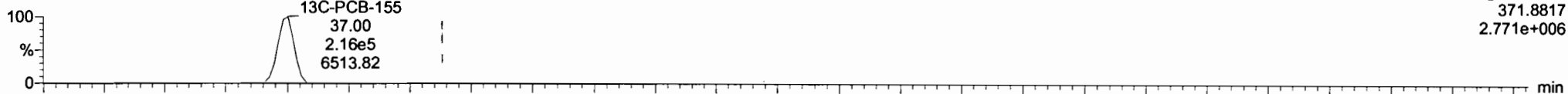


210517K3\_4

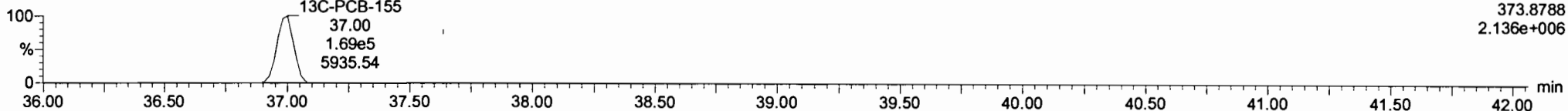


**13C-PCB-155**

210517K3\_4

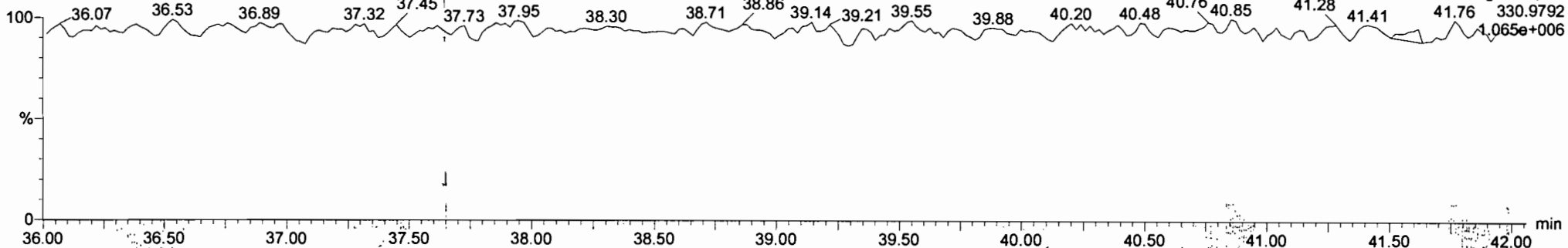


210517K3\_4



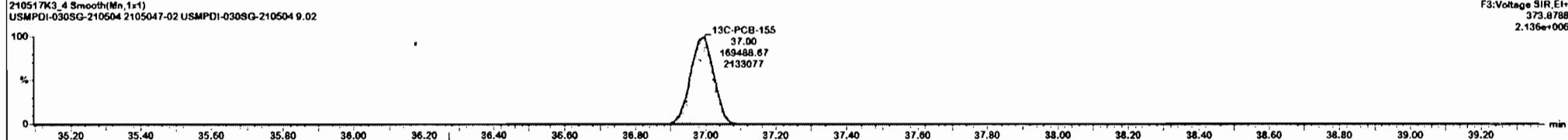
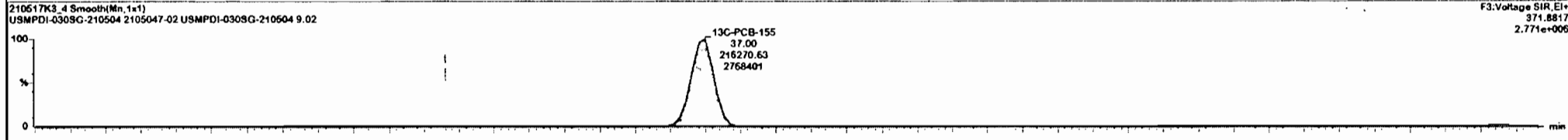
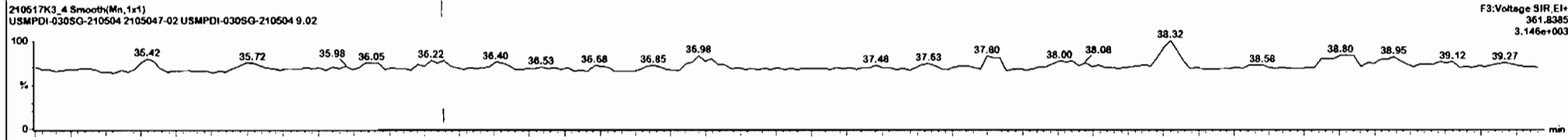
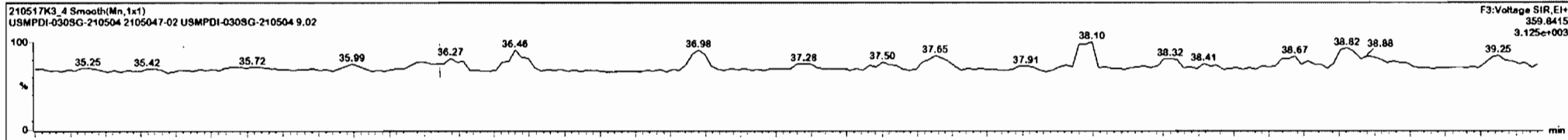
**PFK3c**

210517K3\_4



210517K3\_4 - 2105047-02 USMPDI-030SG-210504 9.02 - USMPDI-030SG-210504

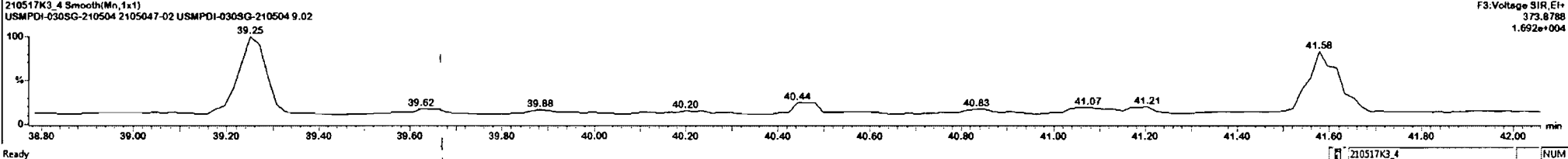
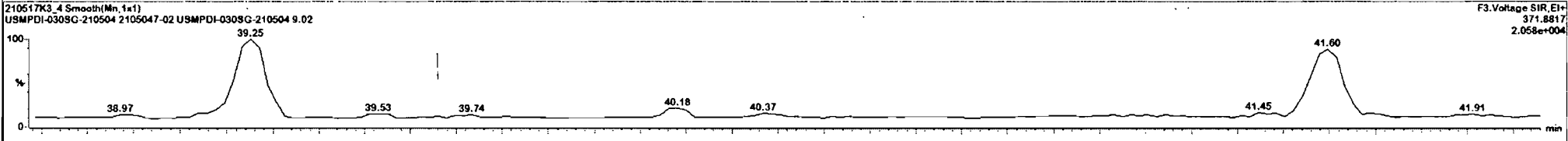
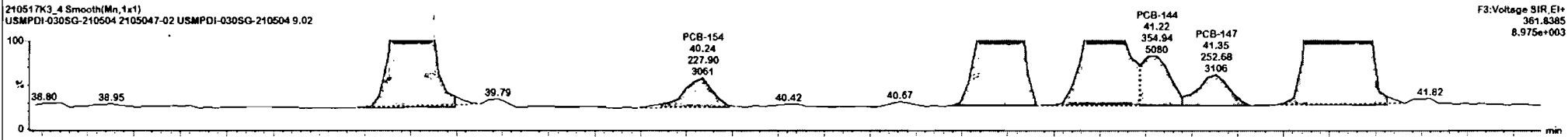
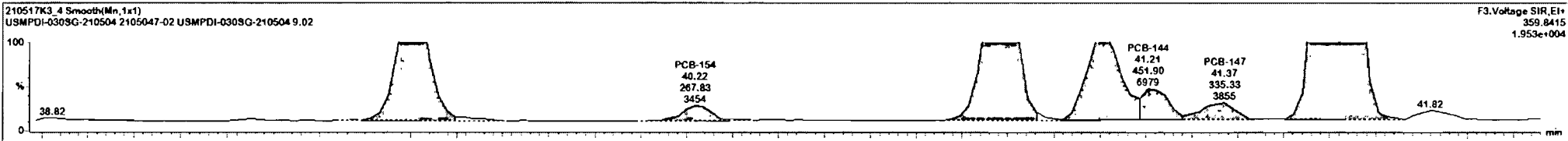
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	1... PCB-138	39.62	39.60	2.304e2	2.109e3	1.240	1.09	NO	25.838	25.838
2	1... PCB-154	40.24	40.22	2.678e2	2.279e2	1.240	1.18	NO	3.547	3.547
3	1... PCB-151	40.89	40.85	3.137e3	2.261e3	1.240	1.39	NO	41.315	41.315
4	1... PCB-135	41.11	41.11	1.665e3	1.315e3	1.240	1.27	NO	21.261	21.261
5	1... PCB-144	41.22	41.21	4.519e2	3.549e2	1.240	1.27	NO	6.0196	6.0196
6	1... PCB-147	41.37	41.37	3.353e2	2.527e2	1.240	1.33	NO	4.2558	4.2558
7	1... PCB-139/149	41.63	41.61	1.088e4	8.794e3	1.240	1.24	NO	131.29	131.29





210517K3\_4 - 2105047-02 USMPDI-030SG-210504 9.02 - USMPDI-030SG-210504

#	Name	Pred. RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	PCB-136	39.82	39.82	2.304e3	2.199e3	1.240	1.05	NO	25.338	25.836
2	PCB-154	40.24	40.22	2.679e2	2.279e2	1.240	1.18	NO	3.5487	3.5487
3	PCB-151	40.89	40.89	3.137e3	2.281e3	1.240	1.39	NO	41.315	41.315
4	PCB-135	41.11	41.11	1.665e3	1.315e3	1.240	1.27	NO	21.261	21.261
5	PCB-144	41.22	41.21	4.519e2	3.549e2	1.240	1.27	NO	6.0196	6.0196
6	PCB-147	41.37	41.37	3.353e2	2.527e2	1.240	1.33	NO	4.2556	4.2556
7	PCB-139/149	41.63	41.61	1.085e4	8.794e3	1.240	1.24	NO	131.29	131.29



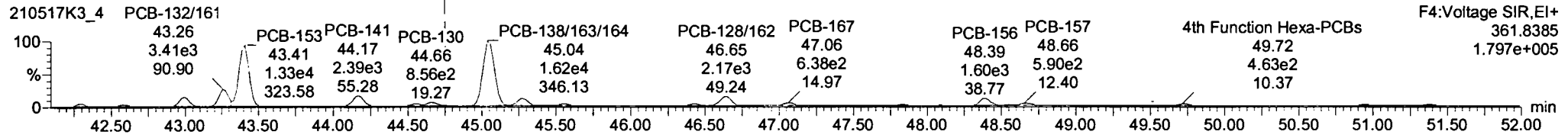
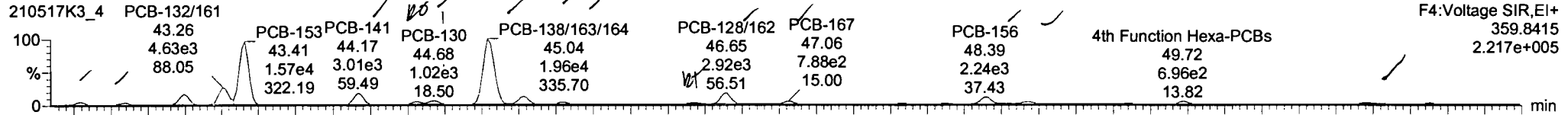
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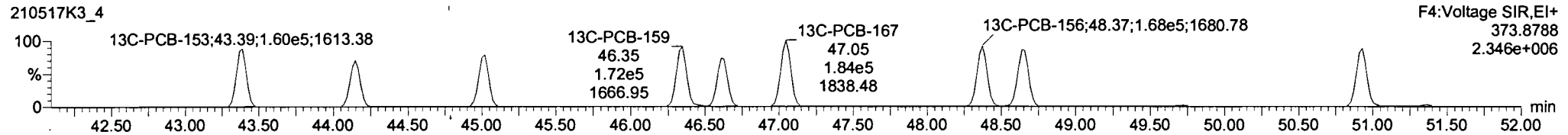
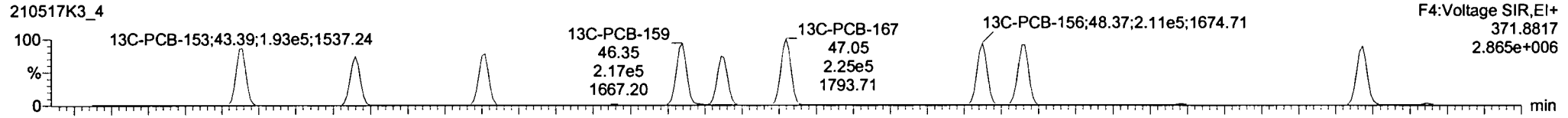
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Name: 210517K3\_4, Date: 18-May-2021, Time: 06:05:17, ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504

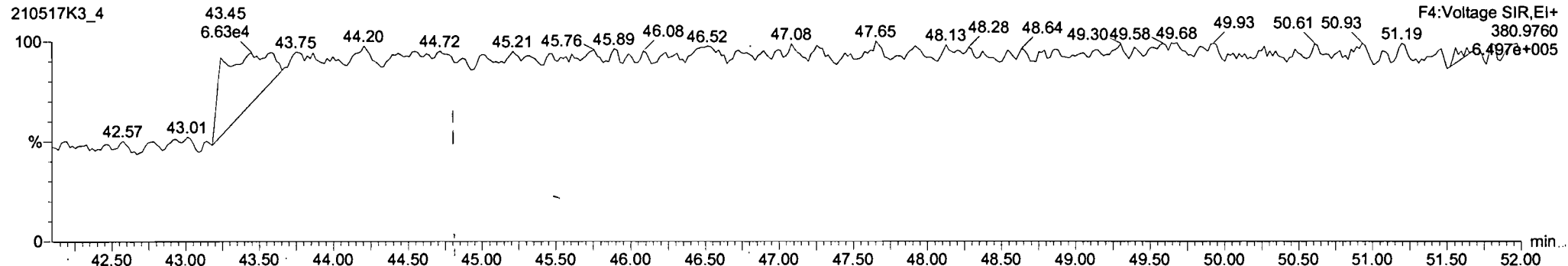
**PCB-134/143**



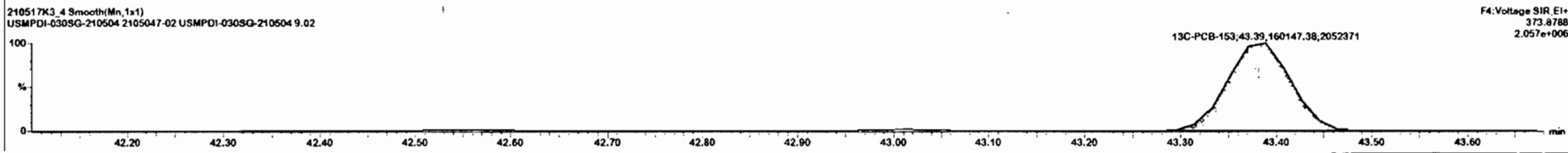
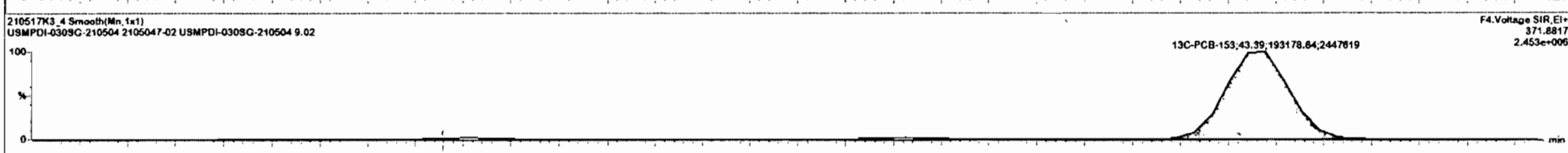
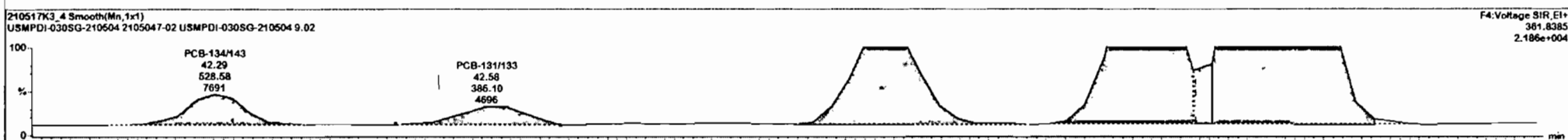
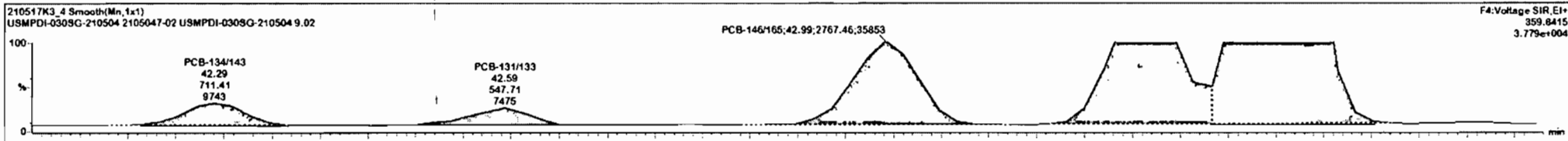
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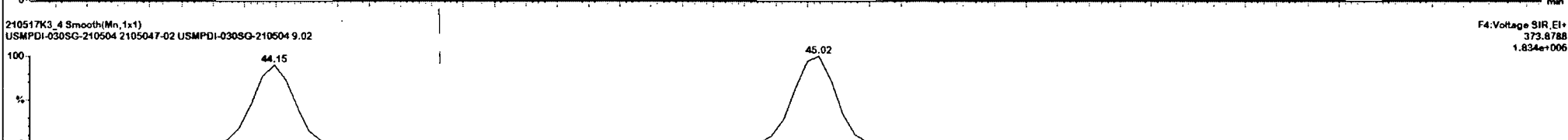
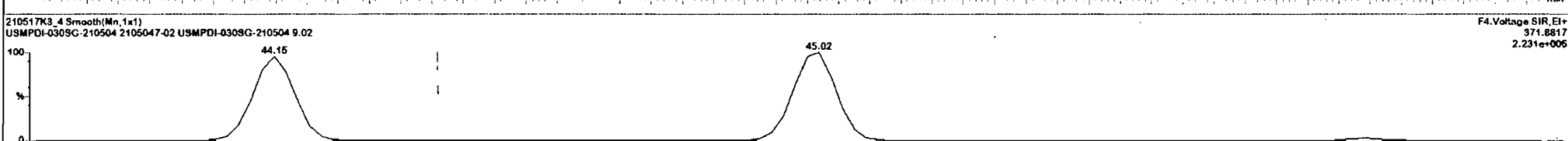
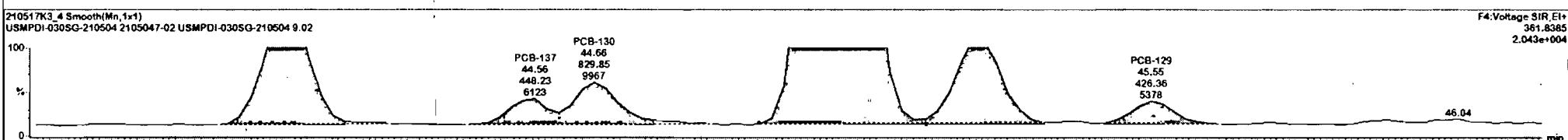
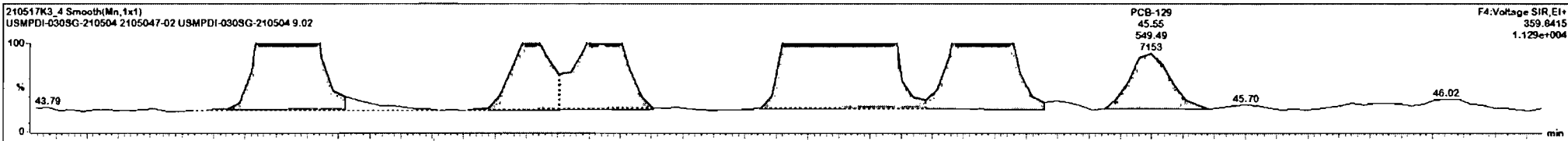
**PFK4b**



#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	PCB-134/143	42.29	42.29	7.114e2	5.286e2	1.240	1.35	NO	9.7323	9.7323
2	PCB-131/133	42.59	42.59	5.477e2	3.961e2	1.240	1.42	NO	6.8521	6.8521
3	PCB-146/165	42.99	42.99	2.767e3	1.955e3	1.240	1.42	NO	28.195	28.195
4	PCB-132/161	43.24	43.26	4.654e3	3.670e3	1.240	1.27	NO	48.988	48.988
5	PCB-153	43.43	43.41	1.575e4	1.298e4	1.240	1.21	NO	163.49	163.49
6	PCB-141	44.16	44.17	2.892e3	2.378e3	1.240	1.22	NO	38.018	38.018
7	PCB-137	44.56	44.56	6.859e2	4.462e2	1.240	1.53	YES	7.1295	0.0000
8	PCB-120	44.88	44.88	1.050e3	8.299e2	1.240	1.27	NO	15.752	15.752
9	PCB-138/163/164	45.08	45.04	1.968e4	1.621e4	1.240	1.21	NO	193.61	193.61
10	PCB-158/160	45.32	45.28	2.181e3	1.685e3	1.240	1.29	NO	21.148	21.148

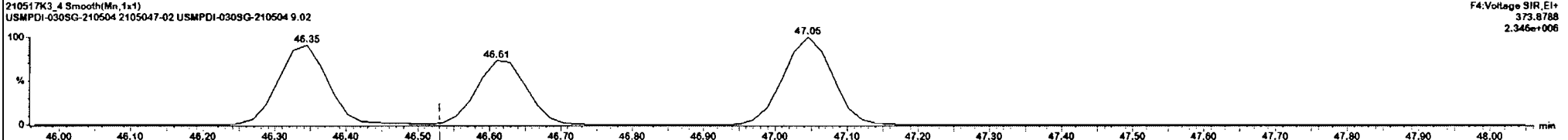
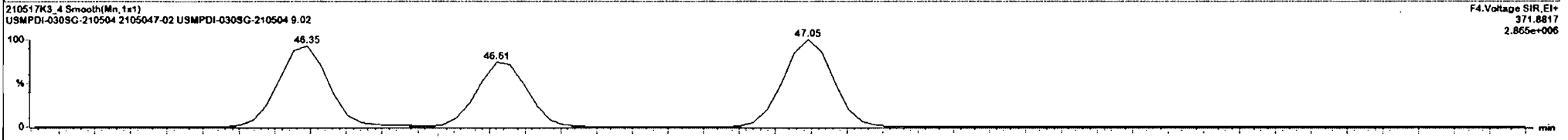
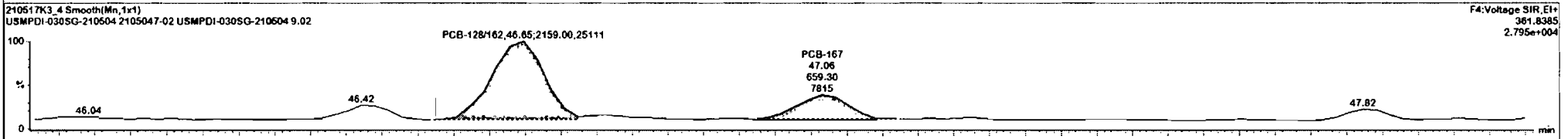
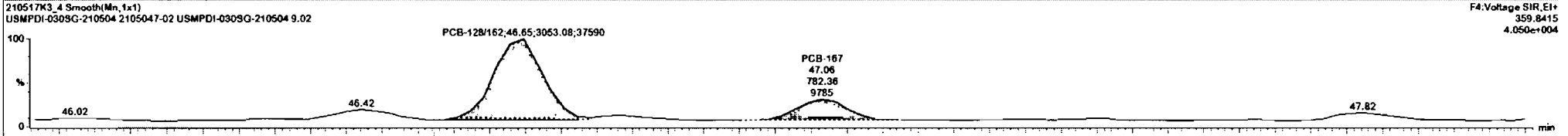


#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	nY	EMPC	Conc.
1	PCB-134/143	42.29	42.29	7.114e2	5.286e2	1.240	1.35	NO	9.7323	9.7323
2	PCB-131/133	42.59	42.59	5.477e2	3.851e2	1.240	1.42	NO	6.8521	6.8521
3	PCB-145/165	42.99	42.99	2.767e3	1.955e3	1.240	1.42	NO	28.195	28.195
4	PCB-132/161	43.24	43.28	4.654e3	3.670e3	1.240	1.27	NO	48.988	48.988
5	PCB-153	43.43	43.41	1.575e4	1.298e4	1.240	1.21	NO	163.49	163.49
6	PCB-141	44.16	44.17	2.892e3	2.378e3	1.240	1.22	NO	38.618	38.618
7	PCB-137	44.56	44.56	6.859e2	4.482e2	1.240	1.53	YES	7.1295	0.00000
8	PCB-130	44.68	44.68	1.050e3	6.299e2	1.240	1.27	NO	15.752	15.752
9	PCB-138/163/164	45.08	45.04	1.968e4	1.621e4	1.240	1.21	NO	193.61	193.61
10	PCB-158/160	45.32	45.28	2.181e3	1.685e3	1.240	1.29	NO	21.148	21.148

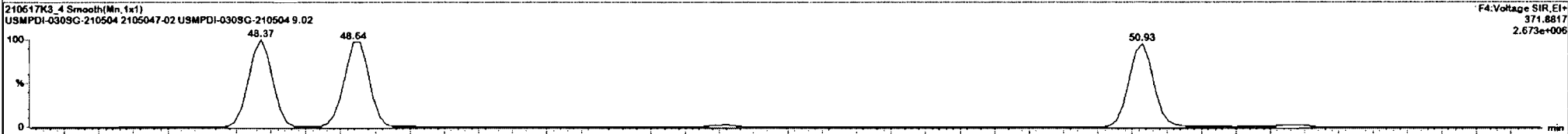
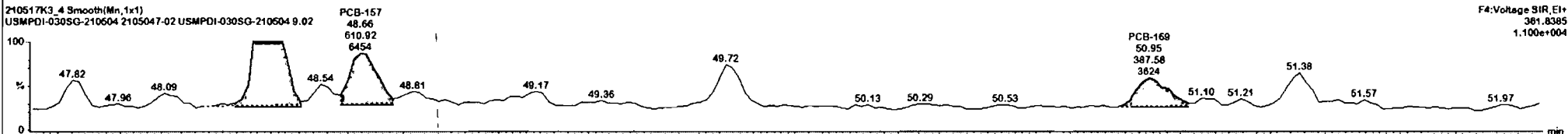
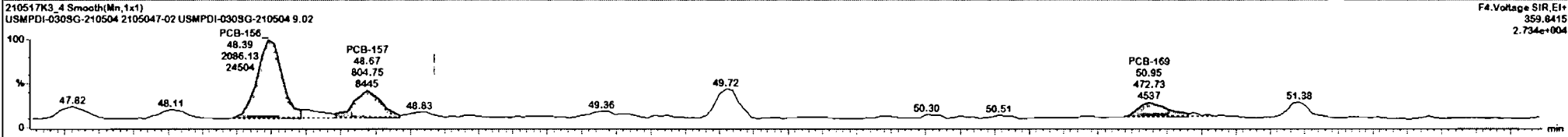


210517K3\_4 - 2105047-02 USMPDI-030SG-210504 9.02 - USMPDI-030SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	PCB-124/143	42.29	42.29	7.114e2	5.286e2	1.240	1.35	NO	9.7323	9.7323
2	PCB-131/133	42.59	42.59	5.477e2	3.851e2	1.240	1.42	NO	6.8521	6.8521
3	PCB-146/165	42.99	42.99	2.767e3	1.955e3	1.240	1.42	NO	28.195	28.195
4	PCB-132/161	43.24	43.26	4.655e3	3.670e3	1.240	1.27	NO	48.588	48.988
5	PCB-153	43.43	43.41	1.575e4	1.298e4	1.240	1.21	NO	163.49	163.49
6	PCB-141	44.16	44.17	2.892e3	2.378e3	1.240	1.22	NO	38.018	38.018
7	PCB-137	44.56	44.56	6.859e2	4.482e2	1.240	1.53	YES	7.1295	0.00000
8	PCB-120	44.68	44.68	1.050e3	8.299e2	1.240	1.27	NO	15.752	15.752
9	PCB-135/163/164	45.58	45.54	1.968e4	1.521e4	1.240	1.21	NO	193.61	192.81
10	PCB-158/160	45.32	45.28	2.181e3	1.688e3	1.240	1.29	NO	21.148	21.148



#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	PCB-131/143	42.29	42.29	7.114e2	5.286e2	1.240	1.35	NO	9.7323	5.7323
2	PCB-131/133	42.59	42.59	5.477e2	3.951e2	1.240	1.42	NO	6.8521	6.8521
3	PCB-145/165	42.99	42.99	2.767e3	1.955e3	1.240	1.42	NO	28.195	28.195
4	PCB-132/161	43.24	43.26	4.654e3	3.679e3	1.240	1.27	NO	48.988	48.988
5	PCB-153	43.43	43.41	1.575e4	1.298e4	1.240	1.21	NO	163.49	163.49
6	PCB-141	44.16	44.17	2.892e3	2.378e3	1.240	1.22	NO	38.018	38.018
7	PCB-137	44.56	44.56	6.859e2	4.462e2	1.240	1.53	YES	7.1295	0.0000
8	PCB-130	44.68	44.68	1.050e3	6.299e2	1.240	1.27	NO	15.752	15.752
9	PCB-133/163/164	45.08	45.04	1.968e4	1.621e4	1.240	1.21	NO	193.61	193.61
10	PCB-153/160	45.22	45.28	2.181e3	1.685e3	1.240	1.29	NO	21.146	21.146



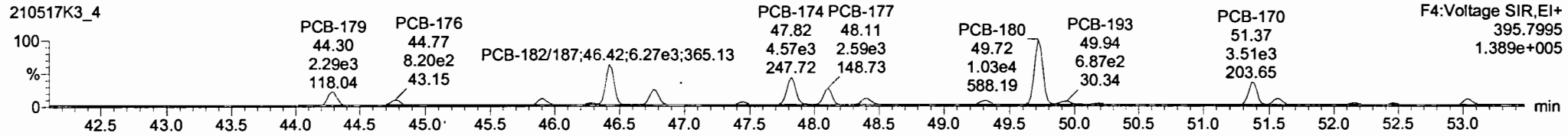
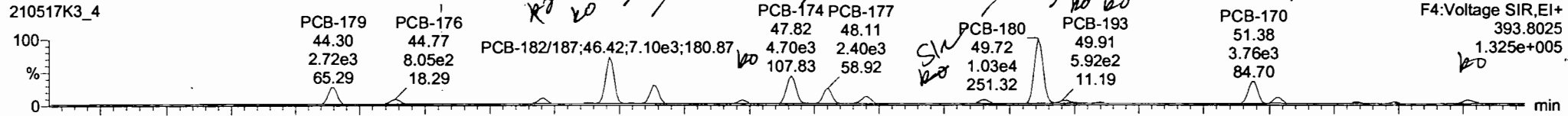
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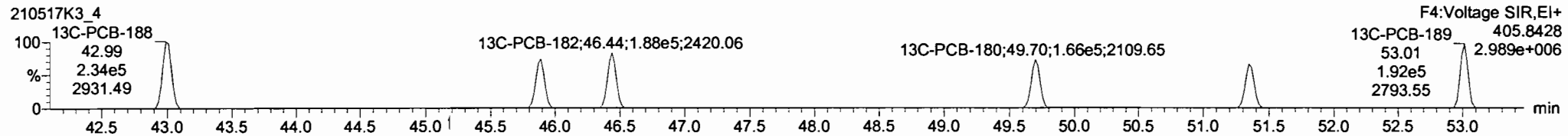
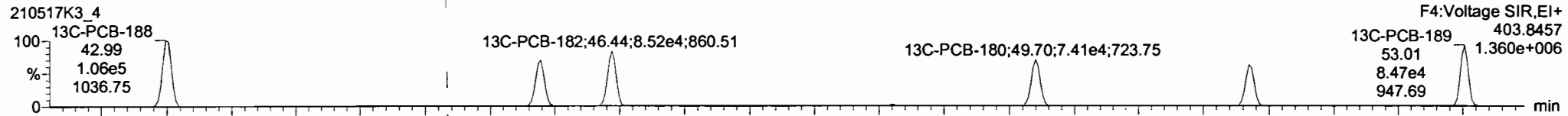
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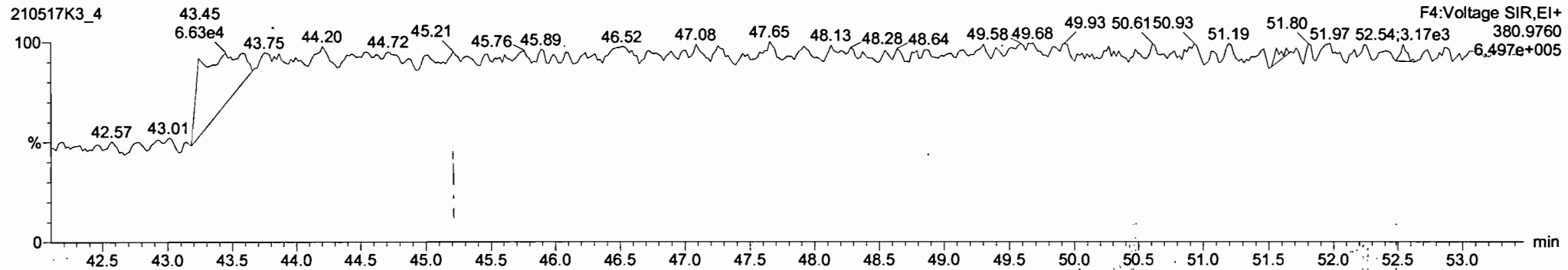
**PCB-188**



**13C-PCB-188**



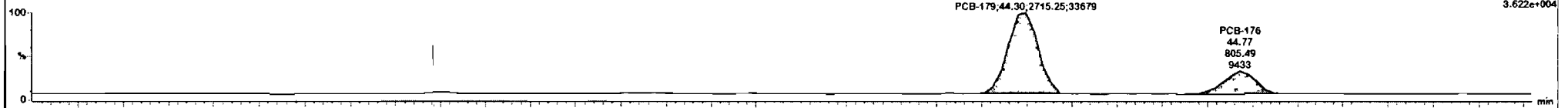
**PFK4c**



#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	ENPC	Conc.
1	133 PCB-179	44.28	44.30	2.715e3	2.288e3	1.050	1.19	NO	27.254	27.254
2	134 PCB-176	44.75	44.77	6.955e2	2.262e2	1.050	0.98	NO	8.5515	8.5515
3	136 PCB-178	45.91	45.91	6.852e2	1.019e3	1.050	0.87	YES	12.182	0.00000
4	137 PCB-175	46.27	46.25	1.559e2	2.633e2	1.050	0.59	YES	2.0591	0.00000
5	138 PCB-182/187	46.24	46.42	7.066e3	6.270e3	1.050	1.13	NO	83.017	83.017
6	139 PCB-182	46.76	46.78	2.942e3	2.585e3	1.050	1.15	NO	35.420	35.420
7	140 PCB-185	47.42	47.44	5.686e2	4.504e2	1.050	1.26	YES	6.1925	0.00000
8	141 PCB-174	47.80	47.82	4.860e3	4.520e3	1.050	1.03	NO	63.629	63.629
9	143 PCB-177	48.09	48.11	2.401e3	2.602e3	1.050	0.92	NO	36.390	36.390
10	144 PCB-171	48.39	48.41	1.205e3	1.111e3	1.050	1.09	NO	15.827	15.827

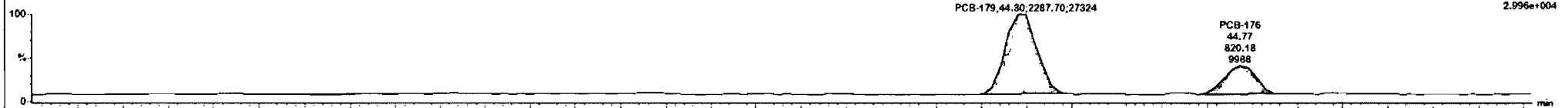
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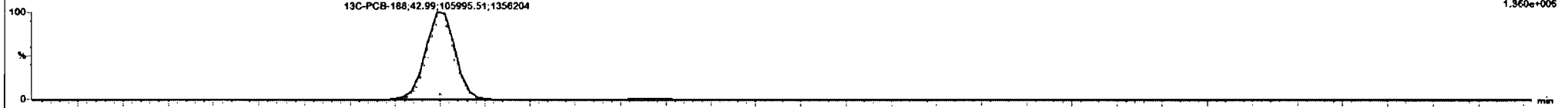
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USMPDI-030SG-210504 2105047-02 USMPDI-030SG-210504 9.02



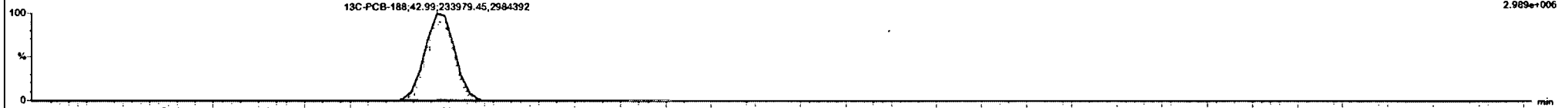
210517K3\_4 Smooth(Mn,1x1)

USMPDI-030SG-210504 2105047-02 USMPDI-030SG-210504 9.02



210517K3\_4 Smooth(Mn,1x1)

USMPDI-030SG-210504 2105047-02 USMPDI-030SG-210504 9.02

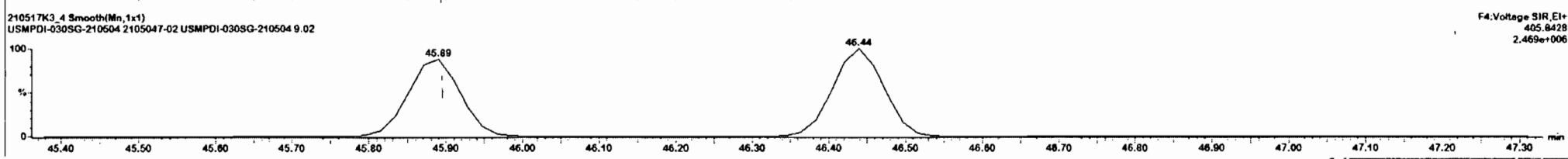
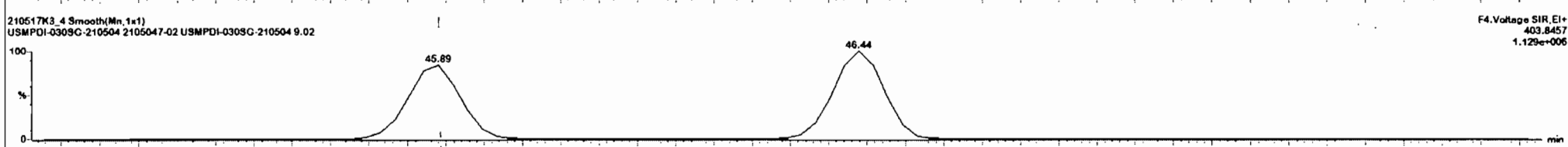
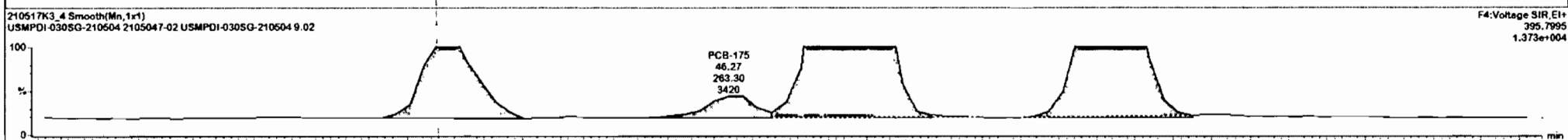
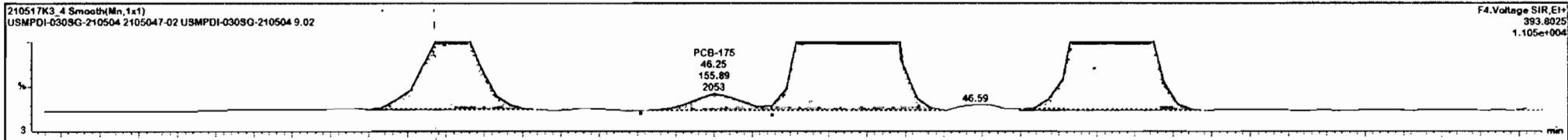


Ready



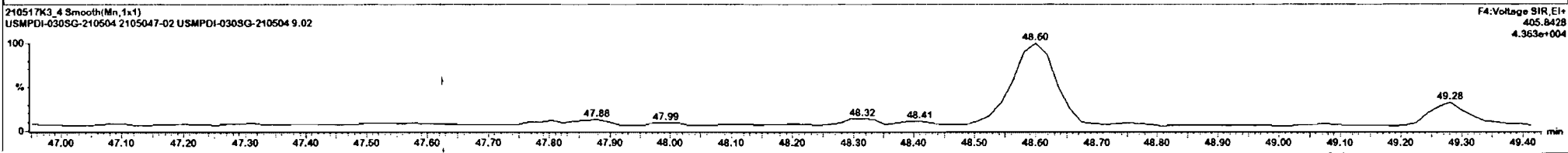
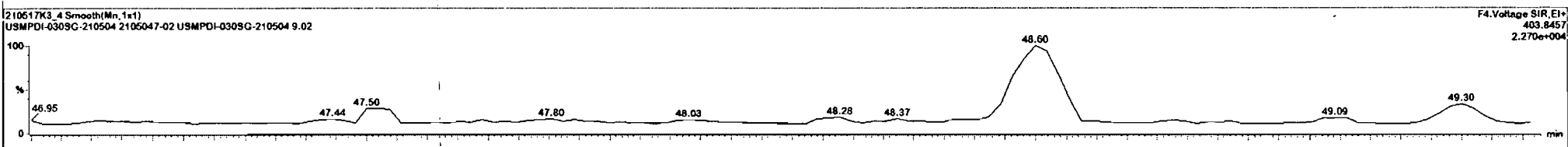
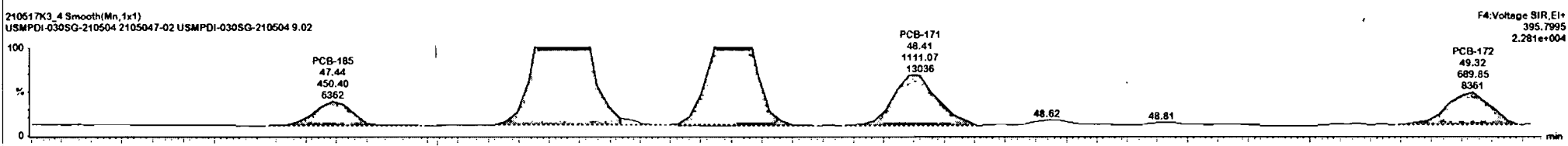
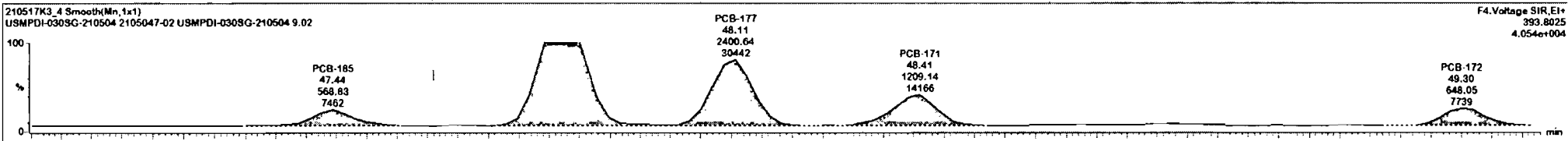
210517K3\_4 - 2105047-02 USMPDI-030SG-210504 9.02 - USMPDI-030SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	133 PCB-179	44.28	44.30	2.715e3	2.288e3	1.055	1.19	NO	27.254	27.254
2	134 PCB-176	44.75	44.77	8.055e2	8.202e2	1.050	0.98	NO	8.5515	8.5515
3	136 PCB-178	45.91	45.91	8.852e2	1.019e3	1.050	0.87	YES	12.180	0.00000
4	137 PCB-175	46.27	46.25	1.559e2	2.833e2	1.050	0.59	YES	2.0361	0.00000
5	138 PCB-182/187	46.44	46.42	7.086e3	6.270e3	1.050	1.13	NO	83.017	83.017
6	139 PCB-183	46.76	46.76	2.942e3	2.565e3	1.050	1.15	NO	35.420	35.420
7	140 PCB-185	47.42	47.44	5.688e2	4.504e2	1.050	1.25	YES	6.1925	0.00000
8	141 PCB-174	47.80	47.82	4.680e3	4.520e3	1.050	1.03	NO	83.629	83.629
9	143 PCB-177	48.09	48.11	2.401e3	2.603e3	1.050	0.92	NO	36.390	36.390
10	144 PCB-171	48.39	48.41	1.209e3	1.111e3	1.050	1.09	NO	15.827	15.827



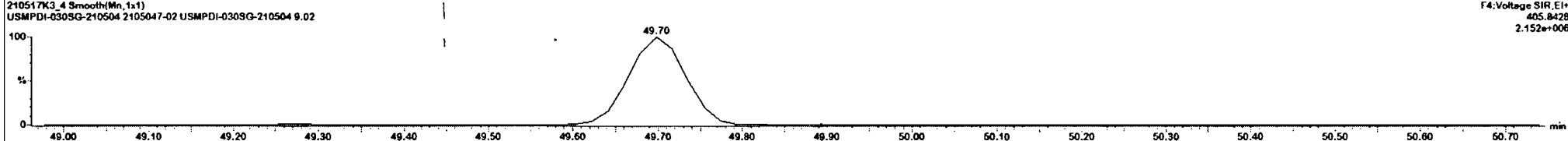
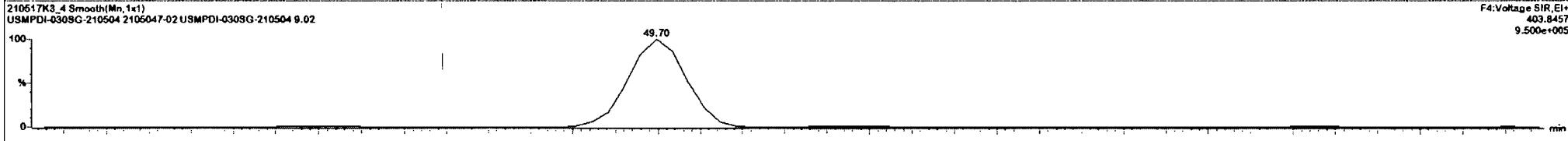
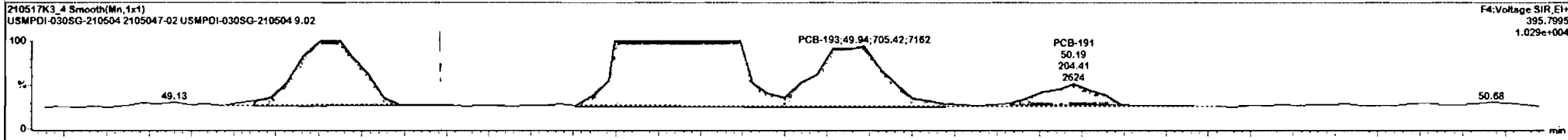
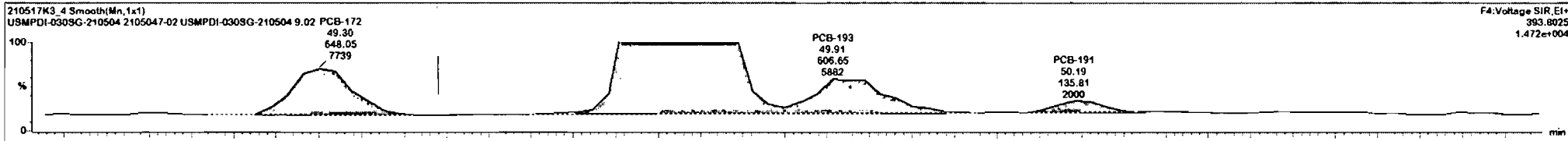
210517K3\_4 - 2105047-02 USMPDI-030SG-210504 9.02 - USMPDI-030SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	133 PCB-176	44.28	44.30	2.715e3	2.288e3	1.050	1.19	NO	27.254	27.254
2	134 PCB-176	44.75	44.77	8.955e2	8.202e2	1.050	0.98	NO	8.5515	8.5515
3	136 PCB-178	45.91	45.91	8.852e2	1.019e3	1.050	0.87	YES	12.182	0.00060
4	137 PCB-17E	46.27	46.25	1.559e2	2.633e2	1.050	0.59	YES	2.0391	0.00000
5	138 PCB-182/187	46.44	46.42	7.006e3	6.270e3	1.050	1.13	NO	83.017	83.017
6	139 PCB-183	46.76	46.76	2.942e3	2.585e3	1.050	1.15	NO	35.420	35.420
7	140 PCB-185	47.42	47.44	5.688e2	4.504e2	1.050	1.26	YES	6.1925	0.00000
8	141 PCB-174	47.80	47.82	4.686e3	4.520e3	1.050	1.03	NO	63.629	63.629
9	143 PCB-177	48.05	48.11	2.401e3	2.800e3	1.050	0.92	NO	36.390	36.390
10	144 PCB-171	48.39	48.41	1.209e3	1.111e3	1.050	1.09	NO	15.827	15.827



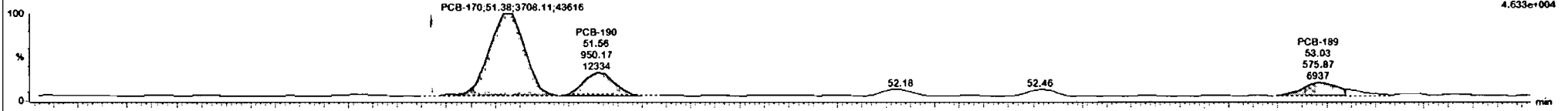
210517K3\_4 - 2105047-02 USMPDI-030SG-210504 9.02 - USMPDI-030SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
9	143 PCB-177	48.09	48.11	2.401e3	2.833e3	1.050	0.92	NO	36.390	36.390
10	144 PCB-171	48.39	48.41	1.209e3	1.111e3	1.050	1.09	NO	15.827	15.827
11	145 PCB-173	48.82	48.83	9.269e1	5.186e1	1.050	1.79	YES	0.82379	0.00000
12	146 PCB-172	49.30	49.30	6.481e2	6.898e2	1.050	0.94	NO	8.8393	8.8393
13	148 PCB-180	49.72	49.72	1.030e4	1.032e4	1.050	1.00	NO	131.57	131.57
14	149 PCB-193	49.93	49.91	6.067e2	7.054e2	1.050	0.86	YES	8.8352	0.00000
15	150 PCB-191	50.19	50.19	1.398e2	2.944e2	1.050	0.86	YES	1.4624	0.00000
16	151 PCB-170	51.37	51.38	3.708e3	3.505e3	1.050	1.06	NO	54.447	54.447
17	152 PCB-190	51.56	51.56	9.502e2	1.015e3	1.050	0.94	NO	11.338	11.338
18	153 PCB-169	53.04	53.03	5.759e2	9.041e2	1.050	0.64	YES	6.3481	0.00000

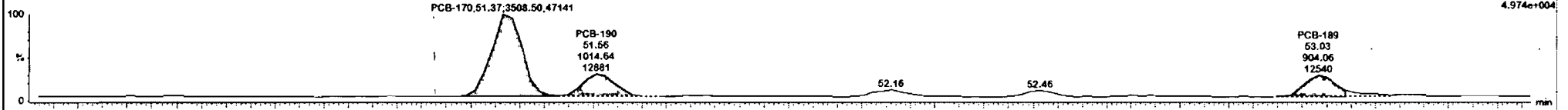


#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
9	143 PCB-177	48.09	48.11	2.401e3	2.602e3	1.055	0.92	NO	36.790	36.390
10	144 PCB-171	48.39	48.41	1.209e3	1.111e3	1.055	1.09	NO	15.827	15.827
11	145 PCB-173	48.82	48.83	9.269e1	5.166e1	1.055	1.79	YES	0.82379	0.00000
12	148 PCB-172	49.30	49.30	6.481e2	6.894e2	1.055	0.94	NO	8.8393	8.8393
13	148 PCB-180	49.72	49.72	1.030e4	1.032e4	1.050	1.00	NO	131.57	131.57
14	149 PCB-193	49.93	49.91	6.067e2	7.054e2	1.055	0.86	YES	6.6352	0.00000
15	150 PCB-191	50.19	50.19	1.358e2	2.044e2	1.050	0.66	YES	1.4624	0.00000
16	151 PCB-170	51.37	51.38	3.708e3	3.506e3	1.055	1.06	NO	54.447	54.447
17	152 PCB-190	51.56	51.56	9.502e2	1.015e3	1.055	0.94	NO	11.238	11.338
18	153 PCB-189	53.04	53.03	5.759e2	9.041e2	1.055	0.84	YES	6.3481	0.00000

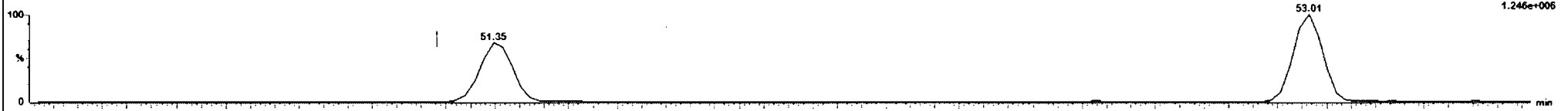
210517K3\_4 Smooth(Mn,1x1)  
USMPDI-030SG-210504 2105047-02 USMPDI-030SG-210504 9.02



210517K3\_4 Smooth(Mn,1x1)  
USMPDI-030SG-210504 2105047-02 USMPDI-030SG-210504 9.02



210517K3\_4 Smooth(Mn,1x1)  
USMPDI-030SG-210504 2105047-02 USMPDI-030SG-210504 9.02



210517K3\_4 Smooth(Mn,1x1)  
USMPDI-030SG-210504 2105047-02 USMPDI-030SG-210504 9.02



Ready

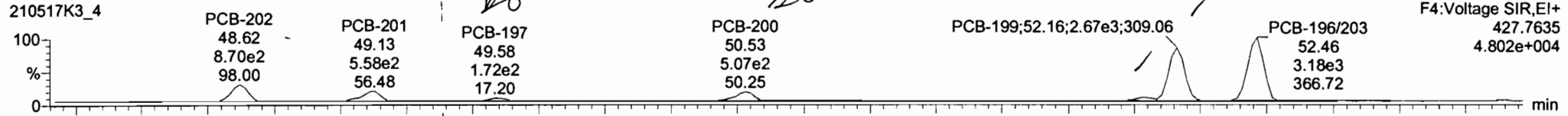
Dataset: Untitled

Last Altered: Tuesday, May 18, 2021 09:40:48 Pacific Daylight Time

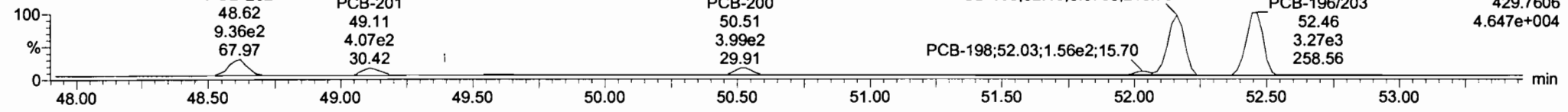
Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

Name: 210517K3\_4, Date: 18-May-2021, Time: 06:05:17, ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504

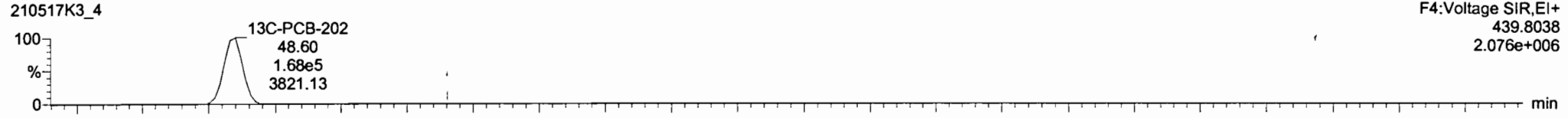
**PCB-202**



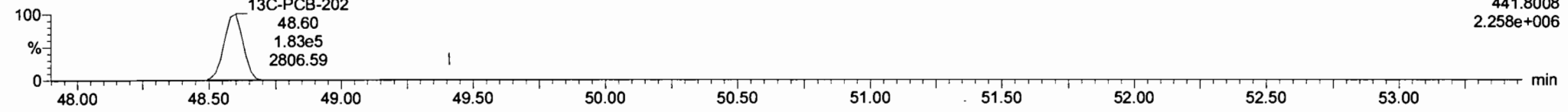
210517K3\_4



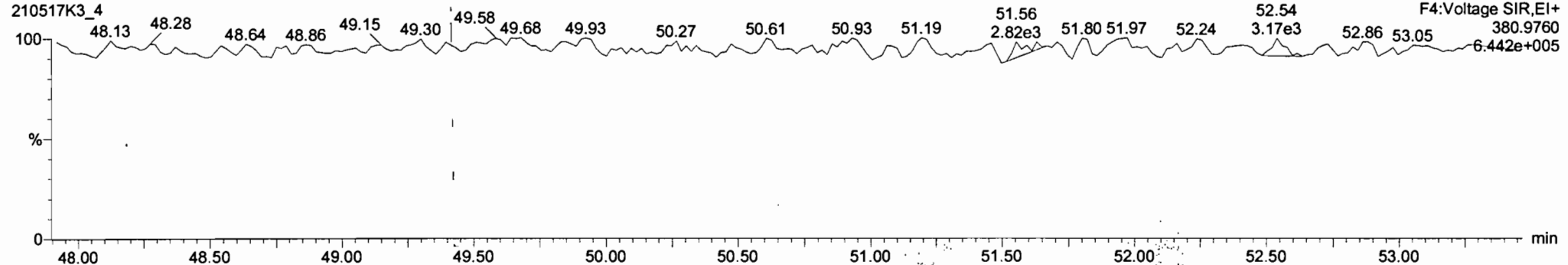
**13C-PCB-202**



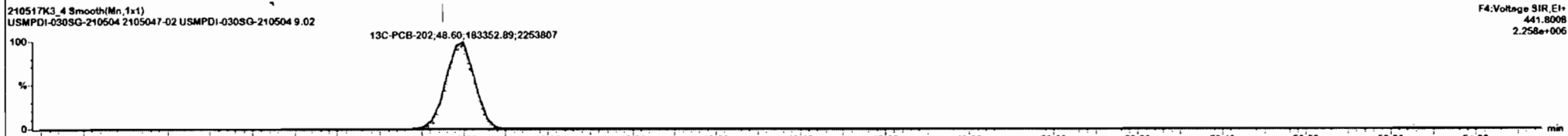
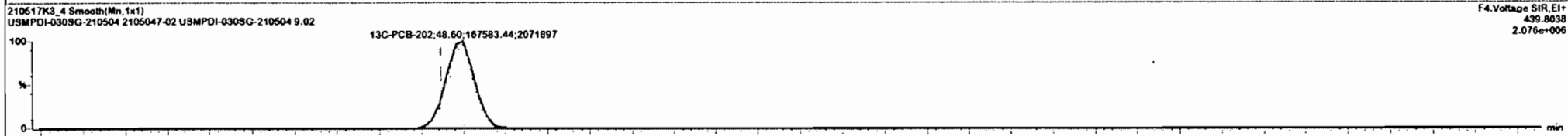
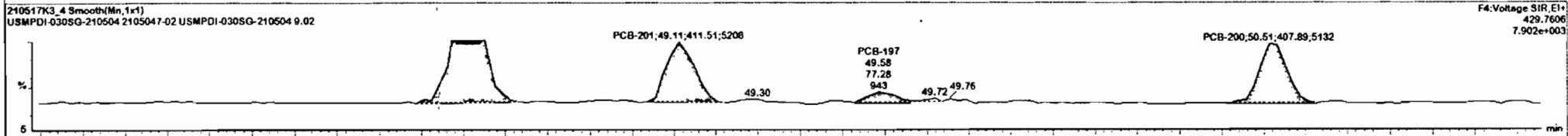
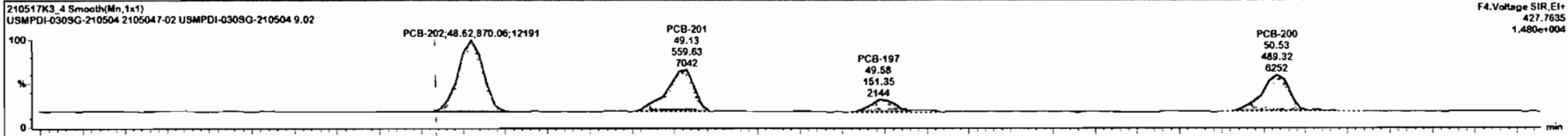
210517K3\_4



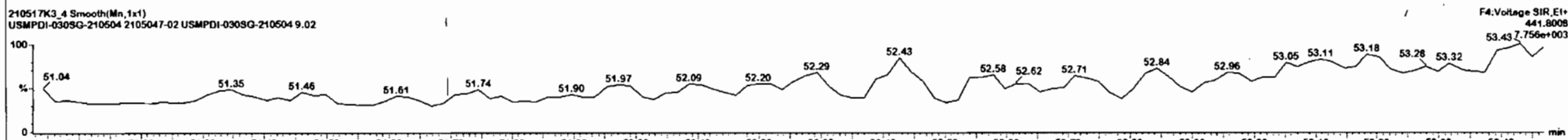
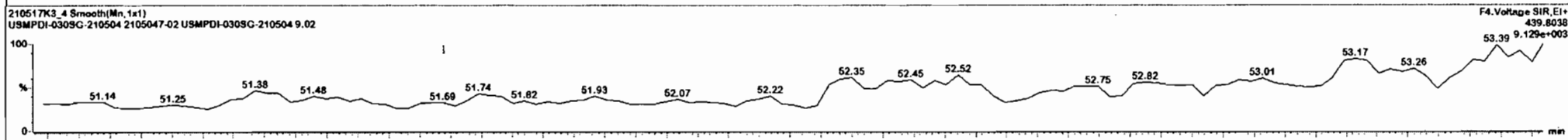
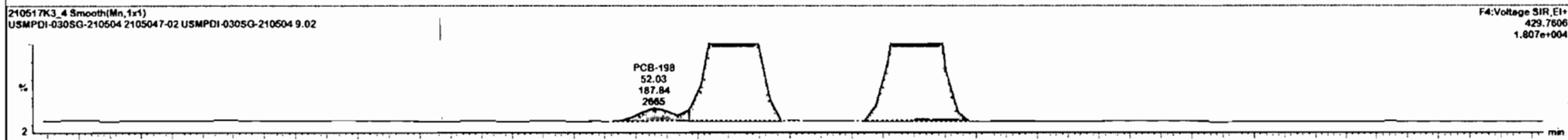
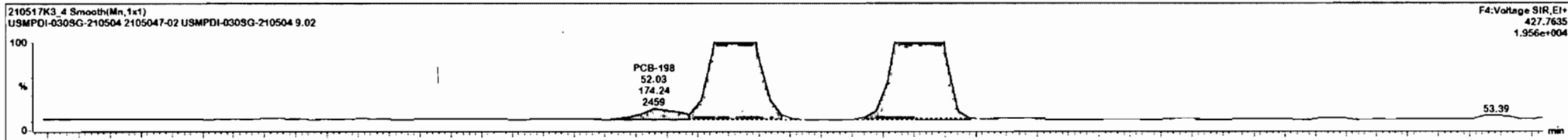
**PFK4d**



#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EI/PC	Conc.
1	154 PCB-202	48.64	48.62	8.701e2	9.468e2	0.890	C 92	NO	10.360	10.360
2	155 PCB-201	49.13	49.13	5.596e2	4.115e2	0.890	1.36	YES	4.8305	0.00000
3	157 PCB-197	49.61	49.58	1.514e2	7.729e1	0.890	1.96	YES	0.85934	0.00000
4	158 PCB-200	50.53	50.53	4.892e2	4.079e2	0.890	1.20	YES	4.7984	0.00000
5	159 PCB-198	52.05	52.03	1.742e2	1.874e2	0.890	0.93	NO	2.9519	2.9519
6	160 PCB-199	52.18	52.16	2.855e3	3.045e3	0.890	0.87	NO	45.813	45.813
7	161 PCB-196/203	52.46	52.46	3.193e3	3.289e3	0.890	0.97	NO	48.731	48.731



#	Name	Pred RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	154 PCB-202	48.64	48.62	8.701e2	9.468e2	0.890	0.92	NO	10.360	10.360
2	155 PCB-201	49.13	49.13	5.596e2	4.115e2	0.890	1.36	YES	4.880F	0.00000
3	157 PCB-197	49.61	49.58	1.514e2	7.729e1	0.890	1.96	YES	0.85934	0.00060
4	158 PCB-200	50.53	50.53	4.893e2	4.079e2	0.890	1.20	YES	4.7584	0.00060
5	159 PCB-198	52.05	52.03	1.742e2	1.678e2	0.890	0.93	NO	2.9519	2.9519
6	160 PCB-199	52.18	52.16	2.655e2	3.048e2	0.890	0.87	NO	45.313	45.813
7	161 PCB-196/203	52.46	52.46	3.193e2	3.289e2	0.890	0.97	NO	48.731	48.731



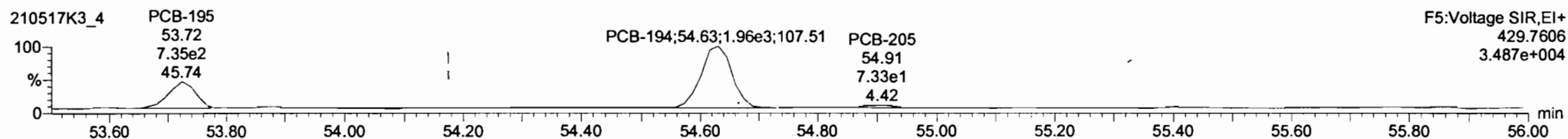
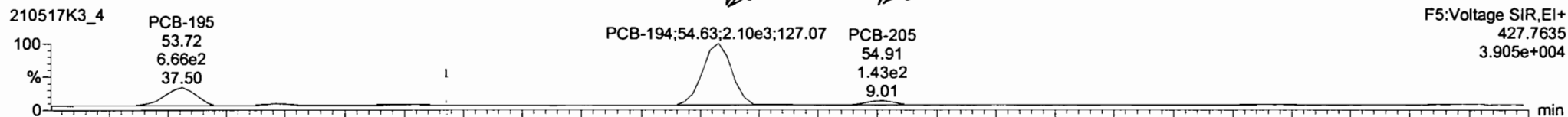
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Last Altered: Tuesday, May 18, 2021 09:40:48 Pacific Daylight Time

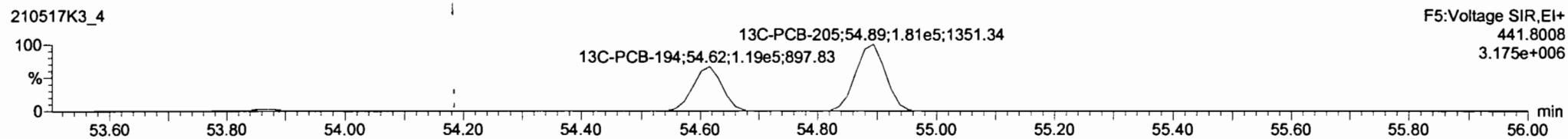
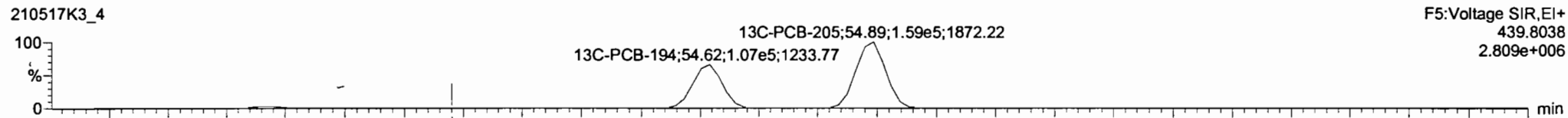
Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

Name: 210517K3\_4, Date: 18-May-2021, Time: 06:05:17, ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504

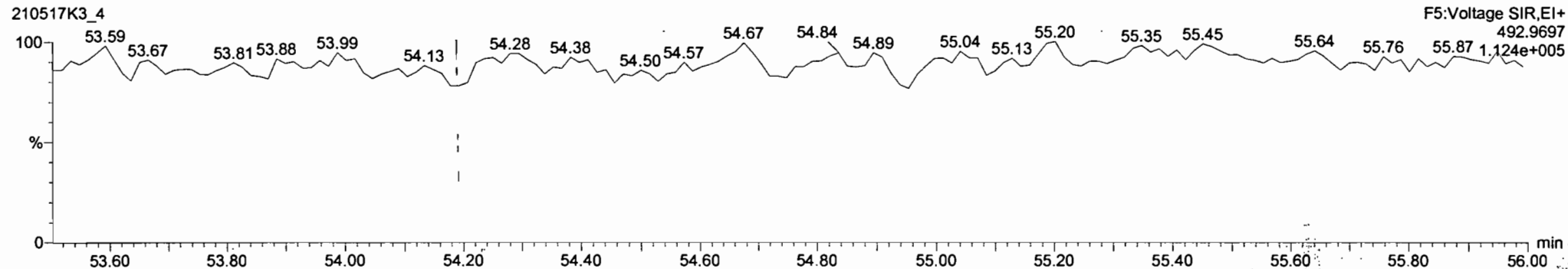
**PCB-195**



**13C-PCB-194**



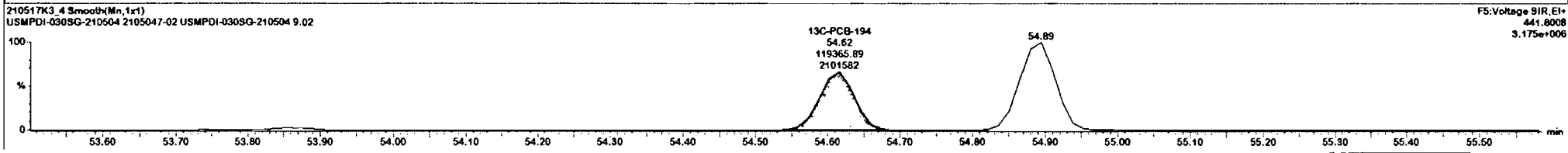
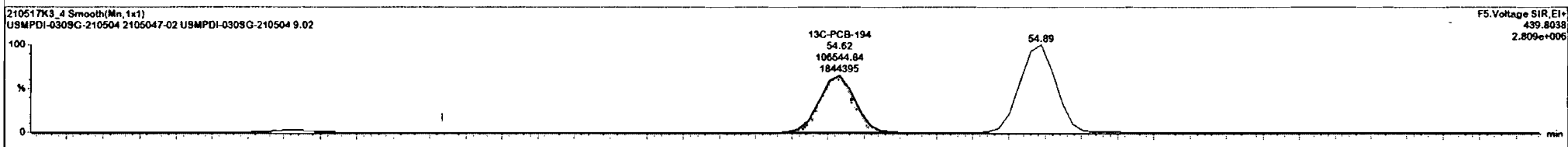
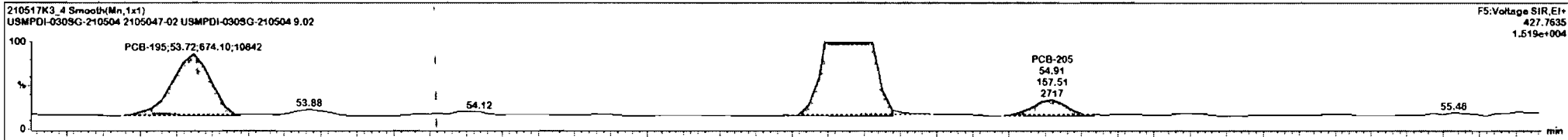
**PFK5a**





210517K3\_4 - 2105047-02 USMPDI-030SG-210504 9.02 - USMPDI-030SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	162 PCB-195	53.74	53.72	6.741e2	7.515e2	0.890	0.90	NO	13.119	13.119
2	163 PCB-194	54.63	54.63	2.100e3	1.939e3	0.890	1.08	YES	30.441	0.00000
3	164 PCB-205	54.91	54.91	1.575e2	7.335e1	0.890	2.15	YES	0.98229	0.00000



Dataset: Untitled

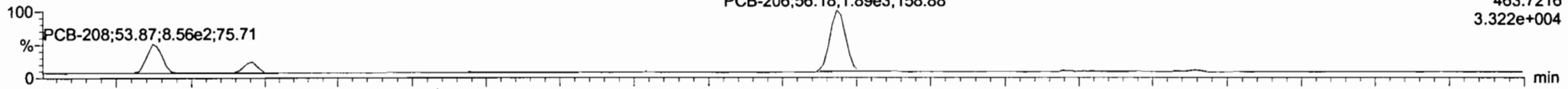
Last Altered: Tuesday, May 18, 2021 09:40:48 Pacific Daylight Time

Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

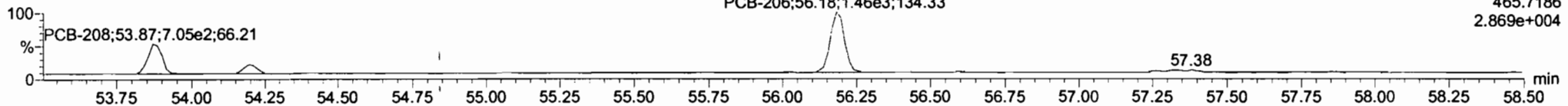
Name: 210517K3\_4, Date: 18-May-2021, Time: 06:05:17, ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504

**PCB-208**

210517K3\_4

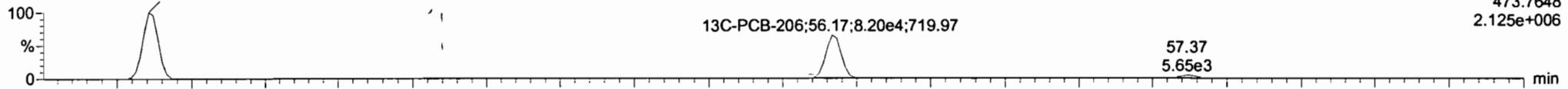


210517K3\_4

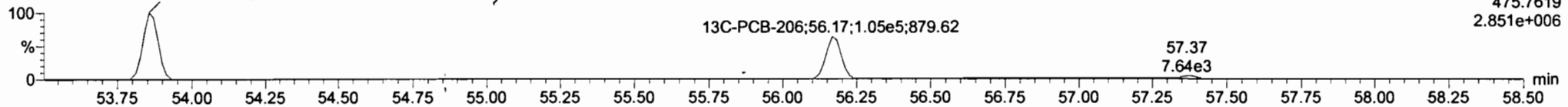


**13C-PCB-208**

210517K3\_4

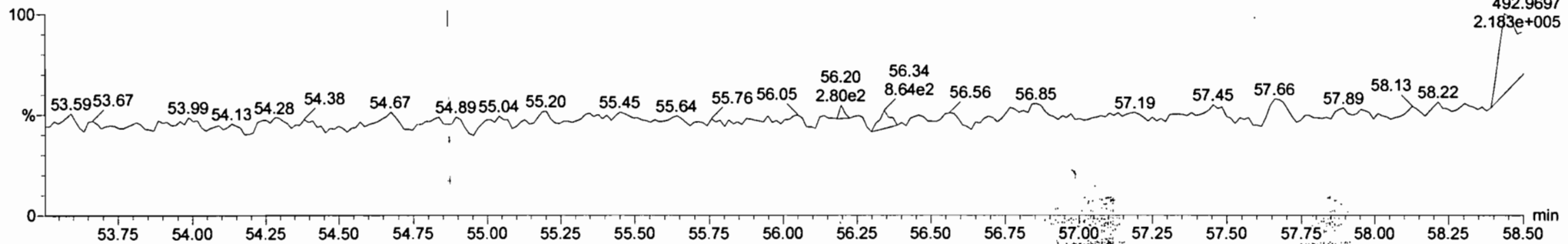


210517K3\_4



**PFK5**

210517K3\_4



Dataset: Untitled

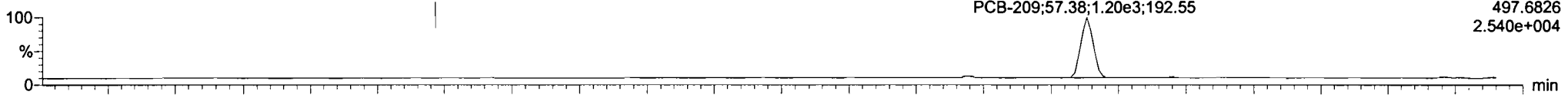
Last Altered: Tuesday, May 18, 2021 09:40:48 Pacific Daylight Time

Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

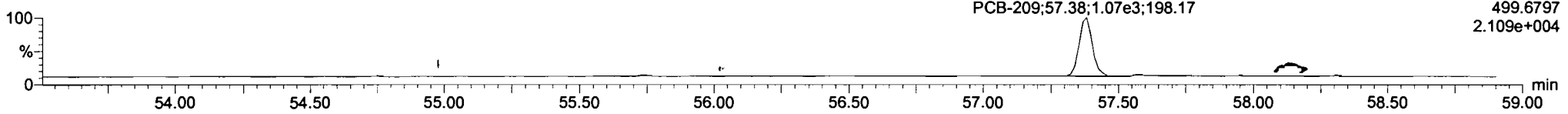
Name: 210517K3\_4, Date: 18-May-2021, Time: 06:05:17, ID: 2105047-02 USMPDI-030SG-210504 9.02, Description: USMPDI-030SG-210504

**PCB-209**

210517K3\_4

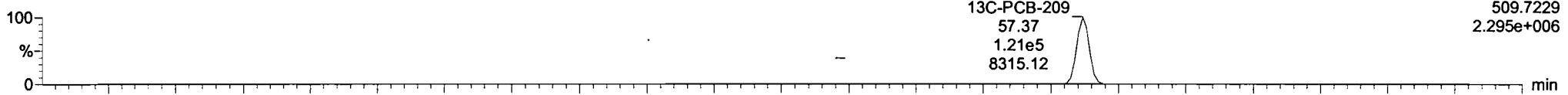


210517K3\_4

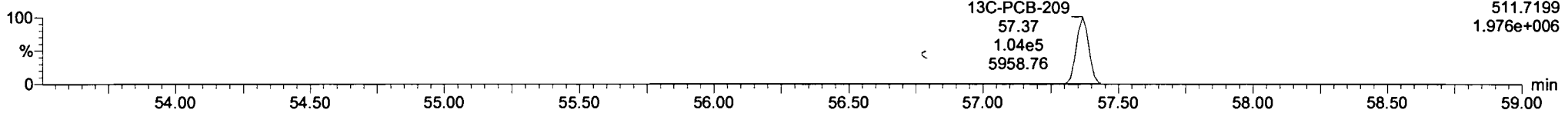


**13C-PCB-209**

210517K3\_4

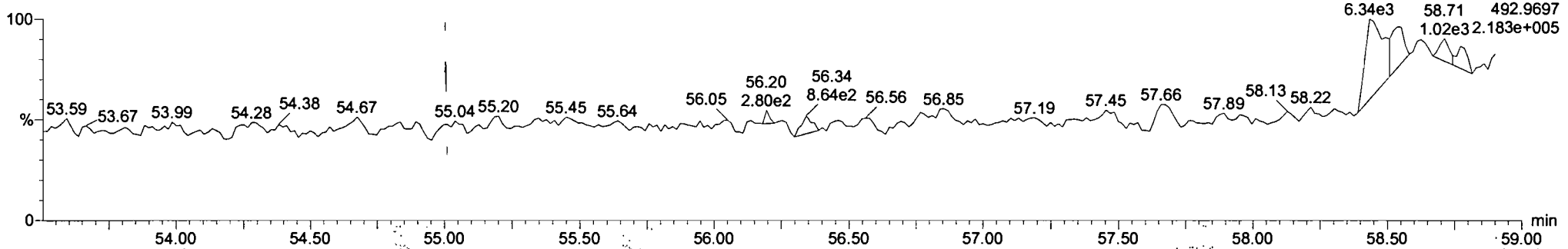


210517K3\_4



**PFK5b**

210517K3\_4



Dataset: U:\VG11.PRO\Results\210517K3\210517K3-5.qld

Last Altered: Saturday, June 05, 2021 10:03:35 Pacific Daylight Time  
Printed: Saturday, June 05, 2021 10:10:30 Pacific Daylight Time

*DF06/05/21*

*CT 06/08/2021*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_5-17-21.mdb 17 May 2021 16:25:28  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 18:49:42

Name: 210517K3\_5, Date: 18-May-2021, Time: 07:06:08, ID: 2105047-03 USMPDI-031SG-210504 12.17, Description: USMPDI-031SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	Check RRT	Conc	%Rec	DL	EMPC
1	PCB-1	3.54e2	2.67	NO	0.986	4.994	15.58	15.59	1.001	1.001	NO	1.394		0.317	1.394
2	PCB-2	1.20e3	3.48	NO	1.02	4.994	17.99	17.98	0.988	0.988	NO	4.416		0.310	4.416
3	PCB-3	4.10e2	3.46	NO	1.00	4.994	18.22	18.23	1.001	1.001	NO	1.543		0.316	1.543
4	PCB-4/10			NO	1.21	4.994	19.64		1.004		YES			1.69	
5	PCB-7/9			NO	0.939	4.994	21.43		1.003		YES			1.25	
6	PCB-6			NO	0.996	4.994	22.08		1.033		YES			1.18	
7	PCB-5/8	2.30e3	1.07	YES	0.976	4.994	22.49	22.47	1.052	1.052	NO	8.023		1.20	6.808
8	PCB-14			NO	1.02	4.994	23.61		0.951		YES			1.05	
9	PCB-11	4.80e3	1.41	NO	1.12	4.994	24.84	24.84	1.001	1.001	NO	12.90		0.962	12.90
10	PCB-12/13			NO	1.02	4.994	25.27		1.018		YES			1.05	
11	PCB-15	2.12e3	1.76	NO	1.02	4.994	25.55	25.56	1.030	1.030	NO	6.245		1.06	6.245
12	PCB-19	5.93e2	0.97	NO	0.972	4.994	23.81	23.81	1.001	1.001	NO	3.324		0.686	3.324
13	PCB-30			NO	1.54	4.994	24.72		1.039		YES			0.433	
14	PCB-18	2.27e3	1.00	NO	0.719	4.994	25.49	25.49	0.952	0.952	NO	11.82		0.643	11.82
15	PCB-17	1.10e3	1.19	NO	0.672	4.994	25.65	25.66	0.958	0.959	NO	6.153		0.688	6.153
16	PCB-24/27			NO	0.932	4.994	26.23		0.980		YES			0.496	
17	PCB-16/32	1.70e3	1.15	NO	0.824	4.994	26.79	26.79	1.001	1.001	NO	7.741		0.561	7.741
18	PCB-34			NO	0.878	4.994	27.59		0.959		YES			0.678	
19	PCB-23			NO	0.892	4.994	27.69		0.962		YES			0.667	
20	PCB-29			NO	0.861	4.994	27.96		0.972		YES			0.690	
21	PCB-26	1.26e3	1.09	NO	0.915	4.994	28.16	28.16	0.979	0.979	NO	5.031		0.650	5.031
22	PCB-25	5.69e2	0.80	YES	0.915	4.994	28.32	28.33	0.984	0.984	NO	2.263		0.650	1.979
23	PCB-31	4.38e3	1.09	NO	1.03	4.994	28.70	28.70	0.998	0.997	NO	15.48		0.577	15.48
24	PCB-28	5.88e3	0.90	NO	1.01	4.994	28.79	28.79	1.001	1.001	NO	21.11		0.586	21.11
25	PCB-20/21/33	2.39e3	1.11	NO	0.913	4.994	29.43	29.46	1.023	1.024	NO	9.557		0.652	9.557
26	PCB-22	1.86e3	1.10	NO	0.948	4.994	29.89	29.89	1.039	1.039	NO	7.154		0.627	7.154
27	PCB-36			NO	1.07	4.994	30.52		0.931		YES			0.634	
28	PCB-39			NO	1.00	4.994	31.01		0.946		YES			0.675	
29	PCB-38			NO	1.05	4.994	31.80		0.970		YES			0.645	
30	PCB-35			NO	1.05	4.994	32.35		0.987		YES			0.647	
31	PCB-37	2.05e3	0.96	NO	1.03	4.994	32.79	32.79	1.001	1.001	NO	8.019		0.659	8.019

Dataset: U:\VG11.PRO\Results\210517K3\210517K3-5.qld

Last Altered: Saturday, June 05, 2021 10:03:35 Pacific Daylight Time  
 Printed: Saturday, June 05, 2021 10:10:30 Pacific Daylight Time

Name: 210517K3\_5, Date: 18-May-2021, Time: 07:06:08, ID: 2105047-03 USMPDI-031SG-210504 12.17, Description: USMPDI-031SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RT	RRT	Check RRT	Conc.	%Rec	DU	EMPC
32	32 PCB-54	1.41e2	0.82	NO	0.974	4.994	27.64	27.62	1.001	1.000	NO	0.6530		0.527	0.6530
33	33 PCB-50			NO	0.803	4.994	28.86		1.045		YES			0.639	
34	34 PCB-53	6.70e2	0.89	YES	0.939	4.994	29.52	29.50	0.944	0.943	NO	4.206		0.728	3.940
35	35 PCB-51	5.10e2	0.57	YES	1.00	4.994	29.87	29.85	0.955	0.955	NO	3.087		0.684	2.506
36	36 PCB-45	4.40e2	1.11	YES	0.802	4.994	30.32	30.30	0.970	0.969	NO	3.235		0.851	2.712
37	37 PCB-46	2.29e2	0.72	NO	0.770	4.994	30.82	30.78	0.986	0.985	NO	1.751		0.887	1.751
38	38 PCB-52/69	5.71e3	0.73	NO	1.08	4.994	31.31	31.29	1.001	1.001	NO	31.08		0.631	31.08
39	39 PCB-73			NO	1.31	4.994	31.44		1.005		YES			0.523	
40	40 PCB-43/49	3.68e3	0.93	YES	0.925	4.994	31.59	31.60	1.010	1.011	NO	23.48		0.739	21.52
41	41 PCB-47	2.47e3	0.63	YES	0.863	4.994	31.81	31.83	1.001	1.001	NO	16.15		0.778	14.30
42	42 PCB-48/75	7.86e2	0.79	NO	1.04	4.994	31.94	31.94	1.005	1.005	NO	4.263		0.646	4.263
43	43 PCB-65			NO	1.16	4.994	32.20		1.013		YES			0.579	
44	44 PCB-62			NO	1.04	4.994	32.31		1.016		YES			0.647	
45	45 PCB-44	3.30e3	0.85	NO	0.757	4.994	32.63	32.63	1.026	1.026	NO	24.55		0.885	24.55
46	46 PCB-42/59	1.49e3	0.85	NO	0.975	4.994	32.87	32.87	1.034	1.034	NO	8.583		0.688	8.583
47	47 PCB-41/64/71/72	4.17e3	0.88	NO	1.12	4.994	33.46	33.46	1.053	1.053	NO	21.04		0.601	21.04
48	48 PCB-68			NO	1.19	4.994	33.75		1.062		YES			0.564	
49	49 PCB-40	4.47e2	0.82	NO	0.572	4.994	33.98	33.97	1.069	1.068	NO	4.397		1.17	4.397
50	50 PCB-57			NO	1.08	4.994	34.34		0.970		YES			0.543	
51	51 PCB-67			NO	1.02	4.994	34.65		0.978		YES			0.576	
52	52 PCB-58			NO	1.08	4.994	34.76		0.982		YES			0.541	
53	53 PCB-63	2.86e2	0.78	NO	0.971	4.994	34.93	34.93	0.986	0.986	NO	1.423		0.603	1.423
54	54 PCB-74	2.65e3	0.83	NO	1.09	4.994	35.22	35.21	0.994	0.994	NO	11.75		0.538	11.75
55	55 PCB-61/70	6.40e3	0.73	NO	0.978	4.994	35.44	35.44	1.000	1.001	NO	31.55		0.598	31.55
56	56 PCB-76/66	5.86e3	0.77	NO	1.07	4.994	35.64	35.64	1.006	1.006	NO	26.36		0.546	26.36
57	57 PCB-80			NO	1.08	4.994	35.87		1.001		YES			0.495	
58	58 PCB-55			NO	1.06	4.994	36.20		1.010		YES			0.501	
59	59 PCB-56/60	2.90e3	0.75	NO	0.946	4.994	36.69	36.70	1.023	1.024	NO	14.05		0.564	14.05
60	60 PCB-79	2.48e2	0.75	NO	1.06	4.994	37.82	37.84	1.055	1.056	NO	1.071		0.504	1.071
61	61 PCB-78			NO	1.01	4.994	38.52		0.987		YES			0.544	
62	62 PCB-81	1.25e2	0.56	YES	0.941	4.994	39.07	39.10	1.000	1.001	NO	0.6218		0.582	0.5153
63	63 PCB-77	1.32e3	0.85	NO	1.03	4.994	39.68	39.70	1.000	1.001	NO	6.016		0.555	6.016
64	64 PCB-104			NO	0.982	4.994	32.48		1.001		YES			0.666	
65	65 PCB-96			NO	0.982	4.994	33.78		1.041		YES			0.665	

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	Check RRT	Conc.	%Rec	DL	EMPC
66	66 PCB-103			NO	0.770	4.994	34.36		1.059		YES			0.849	
67	67 PCB-100			NO	0.805	4.994	34.71		1.069		YES			0.812	
68	68 PCB-94			NO	0.831	4.994	35.17		0.985		YES			1.11	
69	69 PCB-95/98/102	5.77e3	1.60	NO	1.07	4.994	35.67	35.75	0.999	1.001	NO	38.71		0.859	38.71
70	70 PCB-93			NO	0.761	4.994	35.79		1.002		YES			1.21	
71	71 PCB-88/91	1.21e3	1.38	NO	0.910	4.994	36.14	36.16	1.012	1.013	NO	9.547		1.01	9.547
72	72 PCB-121			NO	1.46	4.994	36.25		1.015		YES			0.628	
73	73 PCB-84/92	2.91e3	1.82	YES	0.826	4.994	37.09	37.09	0.990	0.990	NO	22.43		0.978	20.39
74	74 PCB-89			NO	0.885	4.994	37.27		0.995		YES			0.913	
75	75 PCB-90/101	8.36e3	1.37	NO	0.905	4.994	37.48	37.48	1.000	1.000	NO	58.73		0.893	58.73
76	76 PCB-113	1.36e2	0.66	YES	1.26	4.994	37.73	37.76	1.007	1.008	NO	0.6865		0.642	0.4492
77	77 PCB-99	4.17e3	1.50	NO	0.993	4.994	37.82	37.82	1.010	1.009	NO	26.67		0.813	26.67
78	78 PCB-119	4.52e2	2.82	YES	1.53	4.994	38.30	38.30	0.987	0.987	NO	2.342		0.673	1.570
79	79 PCB-108/112	3.75e2	1.34	NO	1.25	4.994	38.46	38.47	0.991	0.991	NO	2.387		0.827	2.387
80	80 PCB-83			NO	1.56	4.994	38.62		0.995		YES			0.661	
81	81 PCB-97	1.93e3	1.83	YES	1.12	4.994	38.82	38.82	1.000	1.000	NO	13.63		0.917	12.31
82	82 PCB-86			NO	1.06	4.994	38.98		1.004		YES			0.973	
83	83 PCB-87/117/125	2.91e3	1.73	NO	1.34	4.994	39.12	39.12	1.008	1.008	NO	17.19		0.769	17.19
84	84 PCB-111/115	1.60e2	2.48	YES	1.62	4.994	39.27	39.29	1.012	1.012	NO	0.7852		0.637	0.5780
85	85 PCB-85/116	1.48e3	1.19	YES	1.23	4.994	39.40	39.38	1.015	1.015	NO	9.490		0.836	8.454
86	86 PCB-120	2.27e2	0.86	YES	1.79	4.994	39.64	39.62	1.022	1.021	NO	1.005		0.575	0.7622
87	87 PCB-110	1.09e4	1.56	NO	1.50	4.994	39.79	39.81	1.025	1.026	NO	57.59		0.687	57.59
88	88 PCB-82	6.66e2	2.24	YES	0.638	4.994	40.43	40.44	0.975	0.976	NO	5.450		1.05	4.313
89	89 PCB-124	5.48e2	1.31	YES	1.08	4.994	41.16	41.15	0.993	0.993	NO	2.650		0.622	2.466
90	90 PCB-107/109	7.58e2	1.49	NO	1.11	4.994	41.30	41.32	0.996	0.997	NO	3.566		0.605	3.566
91	91 PCB-123	4.42e2	0.98	YES	1.00	4.994	41.47	41.48	1.000	1.001	NO	2.303		0.670	1.867
92	92 PCB-106/118	9.97e3	1.66	NO	1.02	4.994	41.67	41.65	1.001	1.000	NO	50.11		0.663	50.11
93	93 PCB-114			NO	1.08	4.994	42.33		1.000		YES			0.852	
94	94 PCB-122			NO	0.930	4.994	42.48		1.004		YES			0.993	
95	95 PCB-105	3.54e3	1.70	NO	1.03	4.994	43.22	43.24	1.000	1.001	NO	19.67		0.839	19.67
96	96 PCB-127			NO	1.06	4.994	43.58		1.000		YES			0.818	
97	97 PCB-126	6.43e2	2.17	YES	1.15	4.994	45.53	45.55	1.000	1.001	NO	3.417		0.960	2.762
98	98 PCB-155			NO	0.853	4.994	37.00		1.000		YES			0.400	
99	99 PCB-150			NO	0.934	4.994	38.32		1.036		YES			0.365	

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
100	100 PCB-152			NO	1.02	4.994	38.80		1.049		YES			0.335	
101	101 PCB-145			NO	0.983	4.994	39.27		1.062		YES			0.347	
102	102 PCB-136	1.56e3	1.22	NO	0.881	4.994	39.60	39.60	1.071	1.071	NO	10.98		0.387	10.98
103	103 PCB-148			NO	0.666	4.994	39.72		1.074		YES			0.512	
104	104 PCB-154	2.47e2	1.08	NO	0.721	4.994	40.22	40.20	1.088	1.087	NO	2.126		0.473	2.126
105	105 PCB-151	2.10e3	1.05	YES	0.674	4.994	40.87	40.87	1.105	1.105	NO	19.28		0.506	17.81
106	106 PCB-135	1.28e3	1.33	NO	0.723	4.994	41.09	41.11	1.111	1.112	NO	10.93		0.472	10.93
107	107 PCB-144	4.76e2	1.91	YES	0.691	4.994	41.20	41.21	1.114	1.114	NO	4.262		0.493	3.278
108	108 PCB-147	2.29e2	1.15	NO	0.713	4.994	41.35	41.35	1.118	1.118	NO	1.988		0.478	1.988
109	109 PCB-139/149	7.24e3	1.16	NO	0.773	4.994	41.61	41.61	1.125	1.125	NO	58.01		0.441	58.01
110	110 PCB-140			NO	0.652	4.994	41.82		1.131		YES			0.523	
111	111 PCB-134/143	3.69e2	1.11	NO	0.718	4.994	42.27	42.27	0.975	0.975	NO	3.427		1.19	3.427
112	112 PCB-131/133	3.09e2	0.85	YES	0.768	4.994	42.57	42.58	0.982	0.982	NO	2.679		1.11	2.230
113	113 PCB-142			NO	0.687	4.994	42.73		0.985		YES			1.24	
114	114 PCB-146/165	1.99e3	0.98	YES	0.943	4.994	42.97	42.97	0.991	0.991	NO	14.05		0.906	12.54
115	115 PCB-132/161	2.71e3	1.39	NO	0.957	4.994	43.22	43.26	0.997	0.997	NO	18.86		0.893	18.86
116	116 PCB-153	1.16e4	1.22	NO	0.990	4.994	43.41	43.39	1.001	1.000	NO	78.16		0.863	78.16
117	117 PCB-168			NO	1.03	4.994	43.62		1.006		YES			0.825	
118	118 PCB-141	1.76e3	1.16	NO	0.948	4.994	44.15	44.15	1.000	1.000	NO	14.46		1.08	14.46
119	119 PCB-137	5.66e2	1.05	YES	0.964	4.994	44.54	44.56	1.009	1.010	NO	4.577		1.06	4.240
120	120 PCB-130	7.67e2	1.42	NO	0.816	4.994	44.66	44.66	1.012	1.012	NO	7.329		1.25	7.329
121	121 PCB-138/163/164	1.24e4	1.27	NO	1.15	4.994	45.06	45.04	1.001	1.001	NO	78.77		0.859	78.77
122	122 PCB-158/160	1.32e3	0.97	YES	1.14	4.994	45.30	45.28	1.007	1.006	NO	8.500		0.871	7.572
123	123 PCB-129	3.26e2	0.74	YES	0.807	4.994	45.55	45.55	1.012	1.012	NO	2.960		1.23	2.269
124	124 PCB-166			NO	1.03	4.994	46.01		0.993		YES			0.895	
125	125 PCB-159			NO	1.10	4.994	46.34		1.000		YES			0.842	
126	126 PCB-128/162	1.48e3	1.51	YES	0.836	4.994	46.65	46.63	1.007	1.007	NO	11.85		1.10	10.38
127	127 PCB-167	5.06e2	1.45	YES	0.960	4.994	47.06	47.06	1.000	1.000	NO	3.313		0.873	3.026
128	128 PCB-156	1.42e3	1.32	NO	1.06	4.994	48.39	48.39	1.000	1.000	NO	9.218		0.868	9.218
129	129 PCB-157	6.33e2	1.26	NO	0.960	4.994	48.68	48.67	1.000	1.000	NO	4.375		0.940	4.375
130	130 PCB-169	6.31e2	1.05	YES	1.04	4.994	50.95	50.97	1.000	1.001	NO	3.988		0.895	3.700
131	131 PCB-188			NO	1.15	4.994	43.03		1.001		YES			0.446	
132	132 PCB-184			NO	1.14	4.994	43.47		1.011		YES			0.449	
133	133 PCB-179	1.83e3	0.82	YES	1.07	4.994	44.28	44.28	1.030	1.030	NO	11.72		0.477	10.35

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Name: 210517K3\_5, Date: 18-May-2021, Time: 07:06:08, ID: 2105047-03 USMPDI-031SG-210504 12.17, Description: USMPDI-031SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RT	RRT	Check:RRT	Conc.	%Rec	DL	EMPC
134	134 PCB-176	6.22e2	1.01	NO	1.11	4.994	44.75	44.75	1.041	1.041	NO	3.848		0.460	3.848
135	135 PCB-186			NO	1.23	4.994	45.41		1.056		YES			0.416	
136	136 PCB-178	6.60e2	0.82	YES	0.830	4.994	45.91	45.91	1.068	1.068	NO	5.475		0.617	4.808
137	137 PCB-175			NO	0.853	4.994	46.27		1.076		YES			0.601	
138	138 PCB-182/187	4.31e3	0.89	YES	0.942	4.994	46.44	46.42	1.080	1.080	NO	31.51		0.544	28.98
139	139 PCB-183	1.66e3	0.91	NO	0.910	4.994	46.76	46.76	1.088	1.088	NO	12.53		0.563	12.53
140	140 PCB-185	3.67e2	1.25	YES	1.24	4.994	47.42	47.44	0.954	0.955	NO	3.368		0.733	3.069
141	141 PCB-174	2.59e3	1.02	NO	1.20	4.994	47.80	47.82	0.962	0.962	NO	24.48		0.757	24.48
142	142 PCB-181			NO	1.33	4.994	47.90		0.964		YES			0.682	
143	143 PCB-177	1.48e3	1.13	NO	1.14	4.994	48.09	48.11	0.968	0.968	NO	14.68		0.795	14.68
144	144 PCB-171	5.92e2	1.28	YES	1.22	4.994	48.39	48.39	0.974	0.974	NO	5.517		0.745	4.953
145	145 PCB-173			NO	1.07	4.994	48.82		0.982		YES			0.850	
146	146 PCB-172	4.25e2	0.94	NO	1.26	4.994	49.30	49.30	0.992	0.992	NO	3.839		0.722	3.839
147	147 PCB-192			NO	1.61	4.994	49.48		0.996		YES			0.562	
148	148 PCB-180	6.06e3	1.00	NO	1.30	4.994	49.72	49.74	1.000	1.001	NO	52.85		0.697	52.85
149	149 PCB-193	5.65e2	0.96	NO	1.47	4.994	49.93	49.93	1.005	1.005	NO	4.354		0.616	4.354
150	150 PCB-191			NO	1.51	4.994	50.19		1.010		YES			0.602	
151	151 PCB-170	1.94e3	1.01	NO	1.23	4.994	51.37	51.38	1.000	1.001	NO	19.26		0.753	19.26
152	152 PCB-190	6.79e2	0.88	YES	1.61	4.994	51.56	51.57	1.004	1.004	NO	5.161		0.576	4.730
153	153 PCB-189	5.74e2	1.07	NO	1.27	4.994	53.05	53.07	1.000	1.001	NO	4.280		0.511	4.280
154	154 PCB-202	4.99e2	0.76	NO	0.995	4.994	48.64	48.64	1.001	1.001	NO	3.832		0.361	3.832
155	155 PCB-201	2.80e2	1.15	YES	0.904	4.994	49.13	49.13	1.011	1.011	NO	2.365		0.397	2.081
156	156 PCB-204			NO	0.955	4.994	49.29		1.014		YES			0.376	
157	157 PCB-197			NO	0.964	4.994	49.61		1.021		YES			0.372	
158	158 PCB-200	3.37e2	0.81	NO	0.911	4.994	50.53	50.53	1.040	1.040	NO	2.824		0.394	2.824
159	159 PCB-198			NO	0.696	4.994	52.05		1.071		YES			0.516	
160	160 PCB-199	1.55e3	0.95	NO	0.706	4.994	52.18	52.16	1.074	1.073	NO	16.72		0.509	16.72
161	161 PCB-196/203	1.59e3	1.24	YES	0.754	4.994	52.46	52.46	1.079	1.080	NO	16.12		0.476	13.61
162	162 PCB-195	4.54e2	0.93	NO	0.957	4.994	53.74	53.75	0.984	0.984	NO	5.129		0.776	5.129
163	163 PCB-194	1.09e3	0.87	NO	1.06	4.994	54.63	54.63	1.000	1.000	NO	11.10		0.701	11.10
164	164 PCB-205			NO	1.27	4.994	54.91		1.005		YES			0.586	
165	165 PCB-208	3.37e2	1.01	YES	0.861	4.994	53.90	53.90	1.000	1.000	NO	3.337		0.468	2.929
166	166 PCB-207			NO	0.849	4.994	54.22		1.006		YES			0.474	
167	167 PCB-206	6.58e2	1.21	NO	0.951	4.994	56.20	56.20	1.000	1.000	NO	8.665		0.595	8.665



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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	Check RRT	Conc.	%Rec	DL	EMPC
168	168 PCB-209	8.26e2	1.23	NO	0.863	4.994	57.37	57.37	1.000	1.000	NO	9.874		0.508	9.874
169	169 13C-PCB-1	5.15e5	3.37	NO	0.937	4.994	15.57	15.57	0.609	0.610	NO	1273	63.6	1.43	
170	170 13C-PCB-3	5.31e5	3.26	NO	0.934	4.994	18.20	18.20	0.712	0.713	NO	1316	65.7	1.44	
171	171 13C-PCB-4	3.43e5	1.62	NO	0.599	4.994	19.55	19.56	0.765	0.766	NO	1324	66.1	1.19	
172	172 13C-PCB-9	5.87e5	1.56	NO	0.960	4.994	21.37	21.37	0.837	0.837	NO	1417	70.8	0.744	
173	173 13C-PCB-11	6.68e5	1.55	NO	0.929	4.994	24.82	24.82	0.972	0.972	NO	1663	83.1	0.768	
174	174 13C-PCB-19	3.68e5	1.01	NO	0.506	4.994	23.77	23.78	0.931	0.931	NO	1680	83.9	8.31	
175	175 13C-PCB-32	5.34e5	1.02	NO	0.738	4.994	26.76	26.76	1.048	1.048	NO	1676	83.7	5.71	
176	176 13C-PCB-28	5.50e5	1.05	NO	1.06	4.994	28.75	28.77	1.003	1.004	NO	1553	77.5	5.77	
177	177 13C-PCB-37	4.98e5	1.06	NO	0.979	4.994	32.75	32.78	1.143	1.143	NO	1522	76.0	6.24	
178	178 13C-PCB-54	4.45e5	0.79	NO	0.981	4.994	27.61	27.62	0.753	0.753	NO	1753	87.6	1.85	
179	179 13C-PCB-52	3.40e5	0.75	NO	0.786	4.994	31.25	31.27	0.852	0.852	NO	1669	83.4	2.31	
180	180 13C-PCB-47	3.56e5	0.75	NO	0.833	4.994	31.77	31.79	0.866	0.867	NO	1651	82.4	2.18	
181	181 13C-PCB-70	4.15e5	0.78	NO	0.981	4.994	35.40	35.42	0.965	0.966	NO	1635	81.7	1.85	
182	182 13C-PCB-80	4.37e5	0.79	NO	1.01	4.994	35.84	35.85	0.977	0.977	NO	1665	83.2	1.79	
183	183 13C-PCB-81	4.30e5	0.78	NO	0.995	4.994	39.04	39.05	1.064	1.064	NO	1668	83.3	1.83	
184	184 13C-PCB-77	4.25e5	0.80	NO	0.977	4.994	39.66	39.66	1.081	1.081	NO	1682	84.0	1.86	
185	185 13C-PCB-104	3.85e5	1.65	NO	1.00	4.994	32.44	32.46	0.827	0.827	NO	1727	86.3	1.38	
186	186 13C-PCB-95	2.79e5	1.63	NO	0.779	4.994	35.70	35.72	0.910	0.910	NO	1611	80.4	1.78	
187	187 13C-PCB-101	3.15e5	1.66	NO	0.833	4.994	37.46	37.47	0.954	0.954	NO	1703	85.1	1.67	
188	188 13C-PCB-97	2.53e5	1.57	NO	0.679	4.994	38.79	38.81	0.988	0.989	NO	1676	83.7	2.04	
189	189 13C-PCB-123	3.84e5	1.55	NO	0.970	4.994	41.46	41.45	1.056	1.056	NO	1782	89.0	1.43	
190	190 13C-PCB-118	3.90e5	1.56	NO	1.00	4.994	41.63	41.63	1.061	1.061	NO	1753	87.5	1.39	
191	191 13C-PCB-114	3.37e5	1.56	NO	1.55	4.994	42.31	42.31	0.908	0.908	NO	1651	82.4	1.85	
192	192 13C-PCB-105	3.48e5	1.61	NO	1.59	4.994	43.19	43.20	0.927	0.927	NO	1656	82.7	1.80	
193	193 13C-PCB-127	3.62e5	1.58	NO	1.66	4.994	43.55	43.56	0.934	0.935	NO	1654	82.6	1.73	
194	194 13C-PCB-126	3.27e5	1.57	NO	1.65	4.994	45.51	45.51	0.976	0.976	NO	1508	75.3	1.74	
195	195 13C-PCB-155	3.23e5	1.30	NO	0.819	4.994	36.98	36.98	0.942	0.942	NO	1777	88.7	1.03	
196	196 13C-PCB-153	3.01e5	1.27	NO	1.31	4.994	43.37	43.37	0.930	0.930	NO	1735	86.7	2.32	
197	197 13C-PCB-141	2.57e5	1.25	NO	1.08	4.994	44.13	44.13	0.947	0.947	NO	1795	89.7	2.81	
198	198 13C-PCB-138	2.73e5	1.25	NO	1.15	4.994	44.99	45.00	0.965	0.965	NO	1798	89.8	2.64	
199	199 13C-PCB-159	3.04e5	1.31	NO	1.39	4.994	46.34	46.33	0.994	0.994	NO	1655	82.6	2.18	
200	200 13C-PCB-167	3.19e5	1.23	NO	1.43	4.994	47.04	47.05	1.009	1.009	NO	1693	84.5	2.13	
201	201 13C-PCB-156	2.90e5	1.24	NO	1.34	4.994	48.37	48.37	1.038	1.038	NO	1644	82.1	2.27	

Dataset: U:\VG11.PRO\Results\210517K3\210517K3-5.qld

Last Altered: Saturday, June 05, 2021 10:03:35 Pacific Daylight Time

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Name: 210517K3\_5, Date: 18-May-2021, Time: 07:06:08, ID: 2105047-03 USMPDI-031SG-210504 12.17, Description: USMPDI-031SG-210504

#	Name	Resp	RA	ny	RRF	wt/vol	Pred.RT	RT	Pred.RT	RRT	Check RRT	Conc	%Rec	DL	EMPC	
202	202 13C-PCB-157	3.02e5	1.30	NO	1.36	4.994	48.66	48.66	1.044	1.044	NO	1683	84.1	2.24		
203	203 13C-PCB-169	3.04e5	1.24	NO	1.33	4.994	50.93	50.93	1.093	1.093	NO	1731	86.4	2.28		
204	204 13C-PCB-188	2.91e5	0.45	NO	1.39	4.994	42.99	42.99	0.926	0.926	NO	1740	86.9	1.97		
205	205 13C-PCB-180	1.76e5	0.46	NO	0.907	4.994	49.72	49.70	1.071	1.070	NO	1619	80.9	3.02		
206	206 13C-PCB-170	1.64e5	0.46	NO	0.823	4.994	51.36	51.35	1.106	1.106	NO	1655	82.7	3.33		
207	207 13C-PCB-189	2.11e5	0.46	NO	1.08	4.994	53.01	53.03	1.141	1.142	NO	1632	81.5	2.55		
208	208 13C-PCB-202	2.62e5	0.89	NO	1.23	4.994	48.60	48.60	1.046	1.046	NO	1771	88.5	1.76		
209	209 13C-PCB-194	1.85e5	0.87	NO	0.710	4.994	54.61	54.62	0.995	0.995	NO	1684	84.1	2.68		
210	210 13C-PCB-208	2.35e5	0.83	NO	0.865	4.994	53.82	53.88	0.980	0.982	NO	1753	87.6	3.22		
211	211 13C-PCB-206	1.60e5	0.79	NO	0.623	4.994	56.19	56.18	1.024	1.023	NO	1659	82.8	4.48		
212	212 13C-PCB-209	1.94e5	1.17	NO	0.725	4.994	57.39	57.37	1.046	1.045	NO	1731	86.5	0.584		
213	213 13C-PCB-15	8.65e5	1.57	NO	1.00	4.994	25.53	25.54	1.000	0.000	NO	2002	100	0.714		
214	214 13C-PCB-31	6.69e5	1.02	NO	1.00	4.994	28.67	28.66	1.000	0.000	NO	2002	100	6.11		
215	215 13C-PCB-60	5.18e5	0.79	NO	1.00	4.994	36.69	36.68	1.000	0.000	NO	2002	100	1.82		
216	216 13C-PCB-111	4.45e5	1.68	NO	1.00	4.994	39.26	39.25	1.000	0.000	NO	2002	100	1.39		
217	217 13C-PCB-128	2.64e5	1.28	NO	1.00	4.994	46.63	46.61	1.000	0.000	NO	2002	100	3.04		
218	218 13C-PCB-182	2.41e5	0.44	NO	1.00	4.994	46.44	46.44	0.000	0.000	NO	2002	100	2.74		
219	219 13C-PCB-205	3.10e5	0.92	NO	1.00	4.994	54.93	54.89	1.000	0.000	NO	2002	100	1.90		
220	220 13C-PCB-79	5.05e5	0.76	NO	1.04	4.994	37.79	37.78	1.030	1.030	NO	1886	94.2	1.76		
221	221 13C-PCB-178	2.07e5	0.44	NO	0.774	4.994	45.88	45.89	0.988	0.988	NO	2030	101	3.23		
222	222 13C-PCB-79	5.05e5	0.76	NO	1.04	4.994	37.77	37.78	0.967	0.968	NO	2263	113	2.10		
223	223 13C-PCB-178	2.07e5	0.44	NO	1.02	4.994	45.85	45.89	0.923	0.923	NO	2312	115	3.84		
224	224 Total Mono-PCBs				1.00	4.994	0.00	0.00	0.000		NO	7.353		0.943	7.353	
225	225 Total Di-PCBs				1.04	4.994	0.00	0.00	0.000		NO	19.14		9.44	25.95	
226	226 2nd Function Tri...				0.943	4.994	0.00	0.00	0.000		NO	29.04	95.38 -	3.51	29.04	97.36 -
227	227 3rd Function Tri...				0.969	4.994	0.00	0.00	0.000		NO	66.34		9.04	68.32	
228	228 Total Tetra-PCBs				0.991	4.994	0.00	0.00	0.000		NO	188.5		20.5	234.0	
229	229 3rd Function Pen...				1.11	4.994	0.00	0.00	0.000		NO	264.5	284.17 -	23.2	317.7	340.13 -
230	230 4th Function Pent...				1.05	4.994	0.00	0.00	0.000		NO	19.67		4.36	22.43	
231	231 3rd Function Hex...				0.791	4.994	0.00	0.00	0.000		NO	84.03	298.63 -	5.73	105.1	365.7
232	232 4th Function Hex...				0.946	4.994	0.00	0.00	0.000		NO	214.6		19.8	260.6	311.7
233	233 Total Hepta-PCBs				1.20	4.994	0.00	0.00	0.000		NO	140.1		14.2	197.0	47.6/21
234	234 4th Function Oct...				0.860	4.994	0.00	0.00	0.000		NO	23.38		3.40	39.07	
235	235 5th Function Oct...				1.10	4.994	0.00	0.00	0.000		NO	16.23	39.61 -	2.06	16.23	55.3 -

Dataset: U:\VG11.PRO\Results\210517K3\210517K3-5.qld

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Name: 210517K3\_5, Date: 18-May-2021, Time: 07:06:08, ID: 2105047-03 USMPDI-031SG-210504 12.17, Description: USMPDI-031SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RTs	Pred.R.	RRT	Check RRT	Conc.	%Rec	DL	EMPC
236	236 Total Nona-PCBs				0.887	4.994	0.00		0.000		NO	8.665		1.54	11.59
237	237 Deca-CB				0.863	4.994	0.00		0.000		NO	9.874		0.508	9.874
238	238 Total PCBs														

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Dataset: U:\VG11.PRO\Results\210517K3\210517K3-5.qld

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Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_5-17-21.mdb 17 May 2021 16:25:28

Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 18:49:42

ID: 2105047-03 USMPDI-031SG-210504 12.17, Description: USMPDI-031SG-210504

**Total Mono-PCBs**

	Name	Pred.R.	RT	m1.Height	m2.Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	PCB-1	15.58	15.59	4.831e3	1.589e3	2.574e2	9.632e1	2.67	NO	3.537e2	1.3939	1.3939	0.317
2	PCB-2	17.99	17.98	1.577e4	4.738e3	9.289e2	2.672e2	3.48	NO	1.196e3	4.4163	4.4163	0.310
3	PCB-3	18.22	18.23	4.702e3	2.213e3	3.179e2	9.192e1	3.46	NO	4.098e2	1.5427	1.5427	0.316

**Total Di-PCBs**

	Name	Pred.R.	RT	m1.Height	m2.Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	PCB-5/8	22.49	22.47	1.984e4	1.405e4	1.187e3	1.109e3	1.07	YES	2.297e3	0.00000	6.8080	1.20
2	PCB-11	24.84	24.84	4.312e4	3.179e4	2.811e3	1.988e3	1.41	NO	4.799e3	12.895	12.895	0.962
3	PCB-15	25.55	25.56	2.020e4	1.814e4	1.350e3	7.674e2	1.76	NO	2.118e3	6.2448	6.2448	1.06

**2nd Function Tri-PCBs**

	Name	Pred.R.	RT	m1.Height	m2.Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	PCB-19	23.81	23.81	5.763e3	5.101e3	2.914e2	3.018e2	0.97	NO	5.932e2	3.3239	3.3239	0.686
2	PCB-18	25.49	25.49	1.671e4	1.660e4	1.136e3	1.133e3	1.00	NO	2.270e3	11.821	11.821	0.643
3	PCB-17	25.65	25.66	9.509e3	7.095e3	5.996e2	5.035e2	1.19	NO	1.103e3	6.1532	6.1532	0.688
4	PCB-16/32	26.79	26.79	9.850e3	7.778e3	9.106e2	7.924e2	1.15	NO	1.703e3	7.7409	7.7409	0.561

**3rd Function Tri-PCBs**

	Name	Pred.R.	RT	m1.Height	m2.Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	PCB-26	28.16	28.16	8.992e3	8.174e3	6.577e2	6.056e2	1.09	NO	1.263e3	5.0310	5.0310	0.650
2	PCB-25	28.32	28.33	3.250e3	4.631e3	2.536e2	3.151e2	0.80	YES	5.686e2	0.00000	1.9793	0.650
3	PCB-31	28.70	28.70	3.036e4	2.681e4	2.285e3	2.093e3	1.09	NO	4.378e3	15.478	15.478	0.577
4	PCB-28	28.79	28.79	3.721e4	3.939e4	2.782e3	3.095e3	0.90	NO	5.877e3	21.105	21.105	0.586
5	PCB-20/21/33	29.43	29.46	1.431e4	1.381e4	1.258e3	1.137e3	1.11	NO	2.395e3	9.5568	9.5568	0.652
6	PCB-22	29.89	29.89	1.225e4	1.158e4	9.741e2	8.878e2	1.10	NO	1.862e3	7.1543	7.1543	0.627
7	PCB-37	32.79	32.79	1.366e4	1.426e4	1.004e3	1.046e3	0.96	NO	2.050e3	8.0195	8.0195	0.659

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Dataset: U:\VG11.PRO\Results\210517K3\210517K3-5.qld

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ID: 2105047-03 USMPDI-031SG-210504 12.17, Description: USMPDI-031SG-210504

Total Tetra-PCBs

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	PCB-54	27.64	27.62	8.960e2	1.152e3	6.372e1	7.776e1	0.82	NO	1.415e2	0.65304	0.65304	0.527
2	PCB-53	29.52	29.50	4.021e3	4.980e3	3.154e2	3.546e2	0.89	YES	6.700e2	0.00000	3.9402	0.728
3	PCB-51	29.87	29.85	3.003e3	4.655e3	1.849e2	3.250e2	0.57	YES	5.099e2	0.00000	2.5064	0.684
4	PCB-45	30.32	30.30	2.810e3	2.511e3	2.318e2	2.086e2	1.11	YES	4.404e2	0.00000	2.7124	0.851
5	PCB-46	30.82	30.78	1.101e3	1.609e3	9.576e1	1.331e2	0.72	NO	2.288e2	1.7507	1.7507	0.887
6	PCB-52/69	31.31	31.29	3.273e4	4.131e4	2.414e3	3.292e3	0.73	NO	5.707e3	31.083	31.083	0.631
7	PCB-43/49	31.59	31.60	2.296e4	2.447e4	1.776e3	1.908e3	0.93	YES	3.684e3	0.00000	21.521	0.739
8	PCB-47	31.81	31.83	1.247e4	2.073e4	9.531e2	1.522e3	0.63	YES	2.475e3	0.00000	14.297	0.778
9	PCB-48/75	31.94	31.94	4.560e3	5.572e3	3.472e2	4.388e2	0.79	NO	7.860e2	4.2634	4.2634	0.646
10	PCB-44	32.63	32.63	1.922e4	2.495e4	1.521e3	1.782e3	0.85	NO	3.304e3	24.548	24.548	0.885
11	PCB-42/59	32.87	32.87	8.618e3	9.995e3	6.811e2	8.051e2	0.85	NO	1.486e3	8.5833	8.5833	0.688
12	PCB-41/64/71/72	33.46	33.46	2.421e4	2.581e4	1.955e3	2.217e3	0.88	NO	4.172e3	21.045	21.045	0.601
13	PCB-40	33.98	33.97	1.965e3	2.743e3	2.012e2	2.459e2	0.82	NO	4.471e2	4.3968	4.3968	1.17
14	PCB-63	34.93	34.93	1.473e3	1.990e3	1.259e2	1.606e2	0.78	NO	2.865e2	1.4228	1.4228	0.603
15	PCB-74	35.22	35.21	1.570e4	1.901e4	1.205e3	1.445e3	0.83	NO	2.651e3	11.753	11.753	0.538
16	PCB-61/70	35.44	35.44	3.462e4	4.938e4	2.693e3	3.707e3	0.73	NO	6.400e3	31.550	31.550	0.598
17	PCB-76/66	35.64	35.64	3.212e4	4.325e4	2.542e3	3.314e3	0.77	NO	5.856e3	26.360	26.360	0.546
18	PCB-56/60	36.69	36.70	1.465e4	2.222e4	1.247e3	1.652e3	0.75	NO	2.899e3	14.047	14.047	0.564
19	PCB-79	37.82	37.84	1.371e3	1.462e3	1.057e2	1.418e2	0.75	NO	2.475e2	1.0713	1.0713	0.504
20	PCB-81	39.07	39.10	1.324e3	1.586e3	4.523e1	8.019e1	0.56	YES	1.254e2	0.00000	0.51528	0.582
21	PCB-77	39.68	39.70	6.921e3	7.613e3	6.033e2	7.124e2	0.85	NO	1.316e3	6.0163	6.0163	0.555

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Dataset: U:\VG11.PRO\Results\210517K3\210517K3-5.qld

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ID: 2105047-03 USMPDI-031SG-210504 12.17, Description: USMPDI-031SG-210504

3rd Function Penta-PCBs

	Name	Pred.Rt	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	In/y	Resp	Conc	EMPC	DL
1	PCB-95/98/102	35.67	35.75	4.321e4	2.616e4	3.549e3	2.219e3	1.60	NO	5.768e3	38.709	38.709	0.859
2	PCB-88/91	36.14	36.16	7.988e3	6.569e3	7.014e2	5.079e2	1.38	NO	1.209e3	9.5466	9.5466	1.01
3	PCB-84/92	37.09	37.09	2.371e4	1.206e4	1.879e3	1.034e3	1.82	YES	2.913e3	0.00000	20.387	0.978
4	PCB-90/101	37.48	37.48	6.518e4	4.511e4	4.835e3	3.524e3	1.37	NO	8.359e3	58.734	58.734	0.893
5	PCB-113	37.73	37.76	3.688e3	2.674e3	5.418e1	8.170e1	0.66	YES	1.359e2	0.00000	0.44919	0.642
6	PCB-99	37.82	37.82	3.399e4	2.257e4	2.502e3	1.664e3	1.50	NO	4.167e3	26.670	26.670	0.813
7	PCB-119	38.30	38.30	4.552e3	1.402e3	3.339e2	1.185e2	2.82	YES	4.524e2	0.00000	1.5705	0.673
8	PCB-108/112	38.46	38.47	2.816e3	1.862e3	2.146e2	1.607e2	1.34	NO	3.753e2	2.3870	2.3870	0.827
9	PCB-97	38.82	38.82	1.538e4	8.968e3	1.251e3	6.820e2	1.83	YES	1.932e3	0.00000	12.310	0.917
10	PCB-87/117/125	39.12	39.12	2.295e4	1.418e4	1.841e3	1.067e3	1.73	NO	2.908e3	17.193	17.193	0.769
11	PCB-111/115	39.27	39.29	1.489e3	6.090e2	1.141e2	4.607e1	2.48	YES	1.602e2	0.00000	0.57803	0.637
12	PCB-85/116	39.40	39.38	1.016e4	9.051e3	8.011e2	6.747e2	1.19	YES	1.476e3	0.00000	8.4536	0.836
13	PCB-120	39.64	39.62	1.030e3	1.463e3	1.051e2	1.223e2	0.86	YES	2.274e2	0.00000	0.76222	0.575
14	PCB-110	39.79	39.81	8.512e4	5.251e4	6.643e3	4.257e3	1.56	NO	1.090e4	57.594	57.594	0.687
15	PCB-82	40.43	40.44	6.294e3	2.508e3	4.602e2	2.059e2	2.24	YES	6.661e2	0.00000	4.3129	1.05
16	PCB-124	41.16	41.15	2.977e3	2.488e3	3.106e2	2.372e2	1.31	YES	5.478e2	0.00000	2.4657	0.622
17	PCB-107/109	41.30	41.32	6.038e3	4.209e3	4.538e2	3.038e2	1.49	NO	7.576e2	3.5655	3.5655	0.605
18	PCB-123	41.47	41.48	3.180e3	2.293e3	2.182e2	2.235e2	0.98	YES	4.417e2	0.00000	1.8672	0.670
19	PCB-106/118	41.67	41.65	7.484e4	4.709e4	6.219e3	3.748e3	1.66	NO	9.968e3	50.108	50.108	0.663

4th Function Penta-PCBs

	Name	Pred.Rt	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	In/y	Resp	Conc	EMPC	DL
1	PCB-105	43.22	43.24	2.722e4	1.582e4	2.228e3	1.309e3	1.70	NO	3.537e3	19.672	19.672	0.839
2	PCB-126	45.53	45.55	4.834e3	2.818e3	4.401e2	2.030e2	2.17	YES	6.431e2	0.00000	2.7616	0.860

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3rd Function Hexa-PCBs

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	PCB-136	39.60	39.60	1.092e4	9.091e3	8.573e2	7.038e2	1.22	NO	1.561e3	10.979	10.979	0.387
2	PCB-154	40.22	40.20	1.262e3	1.588e3	1.286e2	1.187e2	1.08	NO	2.472e2	2.1256	2.1256	0.473
3	PCB-151	40.87	40.87	1.353e4	1.225e4	1.073e3	1.026e3	1.05	YES	2.098e3	0.00000	17.808	0.506
4	PCB-135	41.09	41.11	9.817e3	7.091e3	7.279e2	5.471e2	1.33	NO	1.275e3	10.926	10.926	0.472
5	PCB-144	41.20	41.21	4.926e3	2.172e3	3.123e2	1.633e2	1.91	YES	4.756e2	0.00000	3.2781	0.493
6	PCB-147	41.35	41.35	1.693e3	1.424e3	1.224e2	1.063e2	1.15	NO	2.287e2	1.9881	1.9881	0.478
7	PCB-139/149	41.61	41.61	5.009e4	3.940e4	3.888e3	3.350e3	1.16	NO	7.239e3	58.010	58.010	0.441

4th Function Hexa-PCBs

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	PCB-134/143	42.27	42.27	2.635e3	1.865e3	1.943e2	1.750e2	1.11	NO	3.693e2	3.4274	3.4274	1.19
2	PCB-131/133	42.57	42.58	1.862e3	1.987e3	1.422e2	1.665e2	0.85	YES	3.088e2	0.00000	2.2296	1.11
3	PCB-146/165	42.97	42.97	1.269e4	1.279e4	9.830e2	1.006e3	0.98	YES	1.989e3	0.00000	12.538	0.906
4	PCB-132/161	43.22	43.26	1.980e4	1.446e4	1.577e3	1.133e3	1.39	NO	2.710e3	18.862	18.862	0.893
5	PCB-153	43.41	43.39	8.031e4	6.698e4	6.376e3	5.241e3	1.22	NO	1.162e4	78.156	78.156	0.863
6	PCB-141	44.15	44.15	1.212e4	1.073e4	9.423e2	8.157e2	1.16	NO	1.758e3	14.456	14.456	1.08
7	PCB-137	44.54	44.56	3.799e3	3.450e3	2.900e2	2.755e2	1.05	YES	5.655e2	0.00000	4.2403	1.06
8	PCB-130	44.66	44.66	5.771e3	3.710e3	4.501e2	3.172e2	1.42	NO	7.673e2	7.3290	7.3290	1.25
9	PCB-138/163/164	45.06	45.04	7.660e4	5.919e4	6.939e3	5.475e3	1.27	NO	1.241e4	78.773	78.773	0.859
10	PCB-158/160	45.30	45.28	7.107e3	7.666e3	6.515e2	6.697e2	0.97	YES	1.321e3	0.00000	7.5718	0.871
11	PCB-129	45.55	45.55	1.701e3	2.281e3	1.384e2	1.877e2	0.74	YES	3.261e2	0.00000	2.2693	1.23
12	PCB-128/162	46.65	46.63	1.094e4	7.588e3	8.919e2	5.891e2	1.51	YES	1.481e3	0.00000	10.384	1.10
13	PCB-167	47.06	47.06	4.341e3	3.128e3	2.997e2	2.064e2	1.45	YES	5.061e2	0.00000	3.0259	0.873
14	PCB-156	48.39	48.39	9.425e3	7.143e3	8.094e2	6.112e2	1.32	NO	1.421e3	9.2182	9.2182	0.868
15	PCB-157	48.68	48.67	3.147e3	3.048e3	3.531e2	2.800e2	1.26	NO	6.332e2	4.3751	4.3751	0.940
16	PCB-169	50.95	50.97	3.565e3	3.856e3	3.234e2	3.077e2	1.05	YES	6.311e2	0.00000	3.7004	0.895

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ID: 2105047-03 USMPDI-031SG-210504 12.17, Description: USMPDI-031SG-210504

**Total Hepta-PCBs**

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	PCB-179	44.28	44.28	1.044e4	1.242e4	8.271e2	1.003e3	0.82	YES	1.830e3	0.00000	10.347	0.477
2	PCB-176	44.75	44.75	4.326e3	3.938e3	3.128e2	3.092e2	1.01	NO	6.219e2	3.8479	3.8479	0.460
3	PCB-178	45.91	45.91	3.931e3	4.455e3	2.969e2	3.632e2	0.82	YES	6.601e2	0.00000	4.8078	0.617
4	PCB-182/187	46.44	46.42	2.395e4	2.761e4	2.030e3	2.280e3	0.89	YES	4.310e3	0.00000	28.975	0.544
5	PCB-183	46.76	46.76	1.042e4	1.041e4	7.897e2	8.663e2	0.91	NO	1.656e3	12.528	12.528	0.563
6	PCB-185	47.42	47.44	2.583e3	2.134e3	2.040e2	1.634e2	1.25	YES	3.674e2	0.00000	3.0690	0.733
7	PCB-174	47.80	47.82	1.692e4	1.678e4	1.306e3	1.280e3	1.02	NO	2.586e3	24.485	24.485	0.757
8	PCB-177	48.09	48.11	9.057e3	8.291e3	7.832e2	6.935e2	1.13	NO	1.477e3	14.681	14.681	0.795
9	PCB-171	48.39	48.39	4.046e3	2.948e3	3.328e2	2.593e2	1.28	YES	5.921e2	0.00000	4.9530	0.745
10	PCB-172	49.30	49.30	2.659e3	2.859e3	2.062e2	2.191e2	0.94	NO	4.253e2	3.8388	3.8388	0.722
11	PCB-180	49.72	49.74	3.589e4	3.787e4	3.031e3	3.031e3	1.00	NO	6.061e3	52.852	52.852	0.697
12	PCB-193	49.93	49.93	3.670e3	3.436e3	2.762e2	2.885e2	0.96	NO	5.647e2	4.3544	4.3544	0.616
13	PCB-170	51.37	51.38	1.291e4	1.265e4	9.723e2	9.661e2	1.01	NO	1.938e3	19.259	19.259	0.753
14	PCB-190	51.56	51.57	4.236e3	4.611e3	3.188e2	3.604e2	0.88	YES	6.792e2	0.00000	4.7298	0.576
15	PCB-189	53.05	53.07	4.694e3	4.062e3	2.968e2	2.770e2	1.07	NO	5.738e2	4.2797	4.2797	0.511

**4th Function Octa-PCBs**

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	PCB-202	48.64	48.64	2.857e3	3.141e3	2.153e2	2.840e2	0.76	NO	4.992e2	3.8318	3.8318	0.361
2	PCB-201	49.13	49.13	2.222e3	2.170e3	1.496e2	1.303e2	1.15	YES	2.800e2	0.00000	2.0807	0.397
3	PCB-200	50.53	50.53	2.101e3	2.173e3	1.510e2	1.860e2	0.81	NO	3.370e2	2.8237	2.8237	0.394
4	PCB-199	52.18	52.16	1.072e4	1.005e4	7.515e2	7.947e2	0.95	NO	1.546e3	16.722	16.722	0.509
5	PCB-196/203	52.46	52.46	1.260e4	9.138e3	8.816e2	7.118e2	1.24	YES	1.593e3	0.00000	13.614	0.476

**5th Function Octa-PCBs**

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	PCB-195	53.74	53.75	2.950e3	2.956e3	2.189e2	2.350e2	0.93	NO	4.538e2	5.1288	5.1288	0.776
2	PCB-194	54.63	54.63	8.302e3	9.738e3	5.049e2	5.834e2	0.87	NO	1.088e3	11.100	11.100	0.701



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**Total Nona-PCBs**

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	PCB-208	53.90	53.90	3.168e3	3.106e3	1.693e2	1.675e2	1.01	YES	3.368e2	0.00000	2.9290	0.468
2	PCB-206	56.20	56.20	6.561e3	5.493e3	3.604e2	2.977e2	1.21	NO	6.580e2	8.6650	8.6650	0.595

**Deca-CB**

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	PCB-209	57.37	57.37	7.957e3	7.161e3	4.554e2	3.707e2	1.23	NO	8.261e2	9.8736	9.8736	0.508

**Total PCBs**

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL

**Total Mono-Isotopes**

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	13C-PCB-1	15.57	15.57	6.940e6	2.066e6	3.975e5	1.180e5	3.37	NO	5.155e5	1273.3		1.43
2	13C-PCB-3	18.20	18.20	6.781e6	2.068e6	4.059e5	1.247e5	3.26	NO	5.306e5	1315.5		1.44

**Total Di-Isotopes**

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	13C-PCB-4	19.55	19.56	3.429e6	2.133e6	2.118e5	1.311e5	1.62	NO	3.428e5	1324.2		1.19
2	13C-PCB-9	21.37	21.37	5.868e6	3.814e6	3.581e5	2.293e5	1.56	NO	5.873e5	1416.7		0.744
3	13C-PCB-11	24.82	24.82	6.403e6	4.187e6	4.059e5	2.618e5	1.55	NO	6.677e5	1663.4		0.768
4	13C-PCB-15	25.53	25.54	8.260e6	5.333e6	5.282e5	3.368e5	1.57	NO	8.650e5	2002.2		0.714

**2nd Function Tri-Isotopes**

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	13C-PCB-19	23.77	23.78	2.909e6	2.895e6	1.844e5	1.831e5	1.01	NO	3.676e5	1680.0		8.31
2	13C-PCB-32	26.76	26.76	4.232e6	4.084e6	2.704e5	2.639e5	1.02	NO	5.344e5	1676.1		5.71

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3rd Function Tri-Isotopes

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	13C-PCB-31	28.67	28.66	4.608e6	4.532e6	3.372e5	3.318e5	1.02	NO	6.690e5	2002.2		6.11
2	13C-PCB-28	28.75	28.77	3.727e6	3.552e6	2.810e5	2.687e5	1.05	NO	5.497e5	1552.7		5.77
3	13C-PCB-37	32.75	32.78	3.302e6	3.134e6	2.568e5	2.411e5	1.06	NO	4.979e5	1522.4		6.24

Tetra-Isotopes

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	13C-PCB-54	27.61	27.62	2.655e6	3.352e6	1.960e5	2.492e5	0.79	NO	4.453e5	1753.5		1.85
2	13C-PCB-52	31.25	31.27	1.947e6	2.595e6	1.460e5	1.937e5	0.75	NO	3.397e5	1669.0		2.31
3	13C-PCB-47	31.77	31.79	1.980e6	2.699e6	1.526e5	2.031e5	0.75	NO	3.557e5	1650.5		2.18
4	13C-PCB-70	35.40	35.42	2.312e6	3.023e6	1.814e5	2.338e5	0.78	NO	4.152e5	1635.2		1.85
5	13C-PCB-80	35.84	35.85	2.570e6	3.241e6	1.934e5	2.435e5	0.79	NO	4.369e5	1665.1		1.79
6	13C-PCB-60	36.69	36.68	3.001e6	3.791e6	2.285e5	2.897e5	0.79	NO	5.182e5	2002.2		1.82
7	13C-PCB-79	37.79	37.78	2.910e6	3.764e6	2.187e5	2.867e5	0.76	NO	5.055e5	1885.6		1.76
8	13C-PCB-81	39.04	39.05	2.483e6	3.138e6	1.885e5	2.410e5	0.78	NO	4.295e5	1668.1		1.83
9	13C-PCB-77	39.66	39.66	2.409e6	3.052e6	1.890e5	2.362e5	0.80	NO	4.252e5	1682.1		1.86

3rd Function Penta-Isotopes

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	13C-PCB-104	32.44	32.46	3.231e6	1.969e6	2.400e5	1.451e5	1.65	NO	3.851e5	1727.1		1.38
2	13C-PCB-95	35.70	35.72	2.280e6	1.391e6	1.725e5	1.061e5	1.63	NO	2.786e5	1610.7		1.78
3	13C-PCB-101	37.46	37.47	2.619e6	1.590e6	1.967e5	1.182e5	1.66	NO	3.149e5	1703.1		1.67
4	13C-PCB-97	38.79	38.81	2.012e6	1.276e6	1.546e5	9.818e4	1.57	NO	2.528e5	1676.4		2.04
5	13C-PCB-111	39.26	39.25	3.691e6	2.236e6	2.785e5	1.661e5	1.68	NO	4.445e5	2002.2		1.39
6	13C-PCB-123	41.46	41.45	3.072e6	1.988e6	2.333e5	1.505e5	1.55	NO	3.838e5	1781.9		1.43
7	13C-PCB-118	41.63	41.63	3.049e6	1.905e6	2.377e5	1.519e5	1.56	NO	3.895e5	1752.8		1.39

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4th Function Penta-Isotopes

	Name	Pred.RT	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	13C-PCB-114	42.31	42.31	2.580e6	1.669e6	2.054e5	1.316e5	1.56	NO	3.371e5	1650.6		1.85
2	13C-PCB-105	43.19	43.20	2.781e6	1.733e6	2.148e5	1.332e5	1.61	NO	3.480e5	1656.4		1.80
3	13C-PCB-127	43.55	43.56	2.769e6	1.756e6	2.214e5	1.404e5	1.58	NO	3.618e5	1653.6		1.73
4	13C-PCB-126	45.51	45.51	2.416e6	1.550e6	2.002e5	1.272e5	1.57	NO	3.274e5	1508.2		1.74

4th Function Hexa-Isotopes

	Name	Pred.RT	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	13C-PCB-153	43.37	43.37	2.221e6	1.692e6	1.682e5	1.324e5	1.27	NO	3.006e5	1735.1		2.32
2	13C-PCB-141	44.13	44.13	1.843e6	1.490e6	1.428e5	1.139e5	1.25	NO	2.568e5	1795.5		2.81
3	13C-PCB-138	44.99	45.00	1.897e6	1.546e6	1.517e5	1.218e5	1.25	NO	2.735e5	1798.3		2.64
4	13C-PCB-159	46.34	46.33	2.081e6	1.621e6	1.723e5	1.320e5	1.31	NO	3.043e5	1654.5		2.18
5	13C-PCB-128	46.63	46.61	1.879e6	1.500e6	1.485e5	1.157e5	1.28	NO	2.642e5	2002.2		3.04
6	13C-PCB-167	47.04	47.05	2.229e6	1.794e6	1.756e5	1.429e5	1.23	NO	3.185e5	1692.6		2.13
7	13C-PCB-156	48.37	48.37	2.031e6	1.645e6	1.605e5	1.299e5	1.24	NO	2.904e5	1643.6		2.27
8	13C-PCB-157	48.66	48.66	2.119e6	1.650e6	1.703e5	1.315e5	1.30	NO	3.019e5	1683.4		2.24
9	13C-PCB-169	50.93	50.93	2.018e6	1.628e6	1.683e5	1.359e5	1.24	NO	3.042e5	1730.8		2.28

5th Function Octa-Isotopes

	Name	Pred.RT	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	13C-PCB-194	54.61	54.62	1.531e6	1.752e6	8.615e4	9.893e4	0.87	NO	1.851e5	1684.2		2.68
2	13C-PCB-205	54.93	54.89	2.513e6	2.718e6	1.484e5	1.616e5	0.92	NO	3.099e5	2002.2		1.90

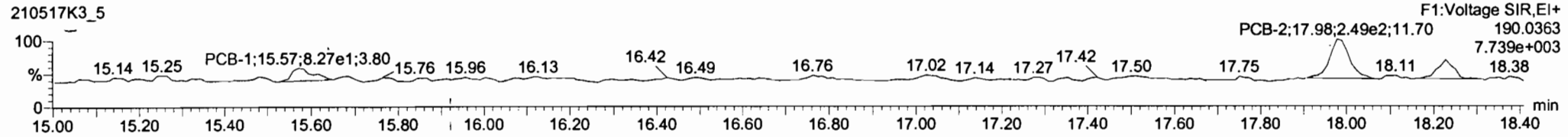
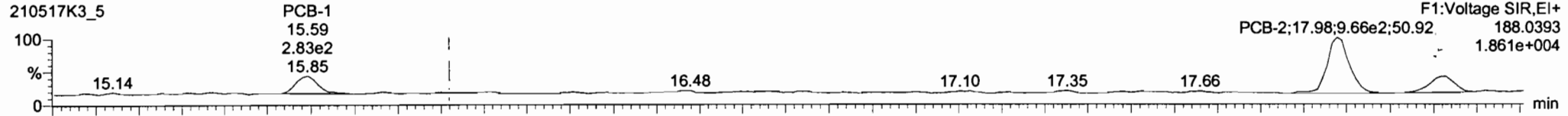
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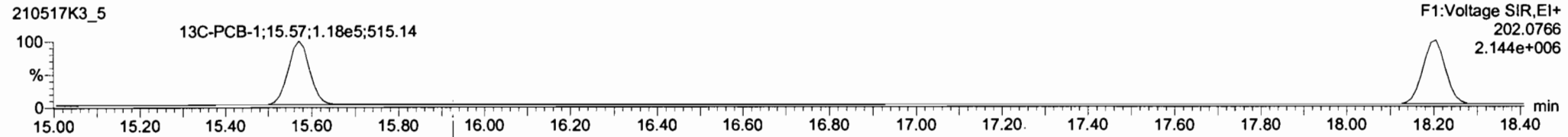
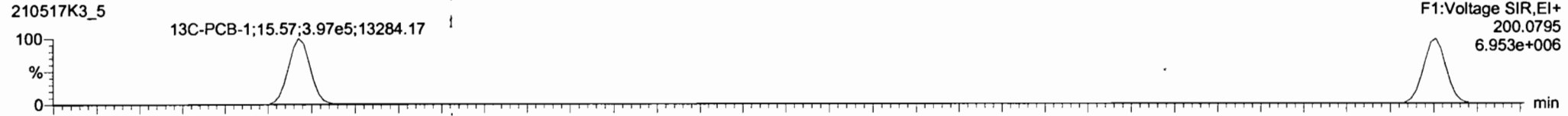
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Name: 210517K3\_5, Date: 18-May-2021, Time: 07:06:08, ID: 2105047-03 USMPDI-031SG-210504 12.17, Description: USMPDI-031SG-210504

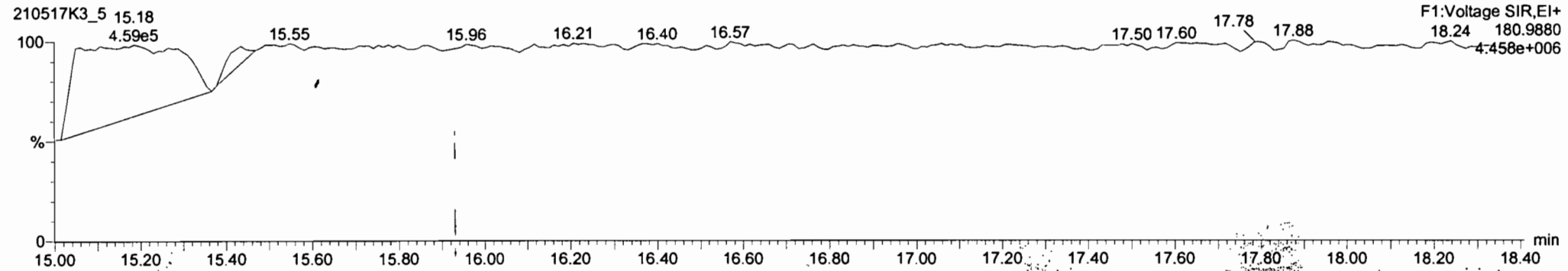
**PCB-1**



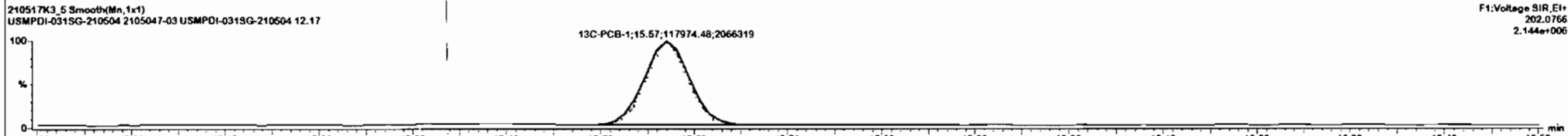
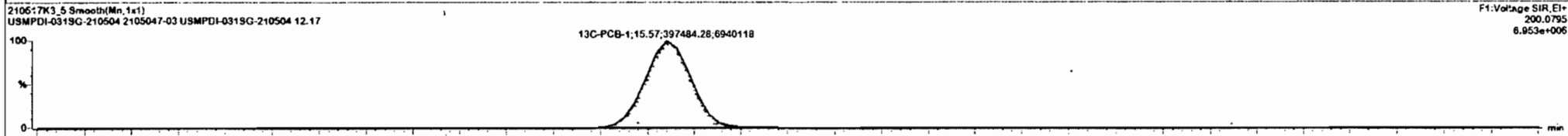
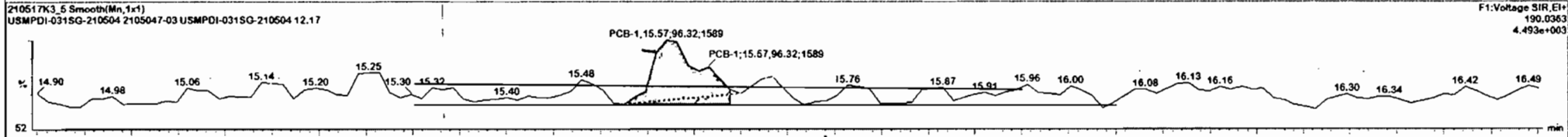
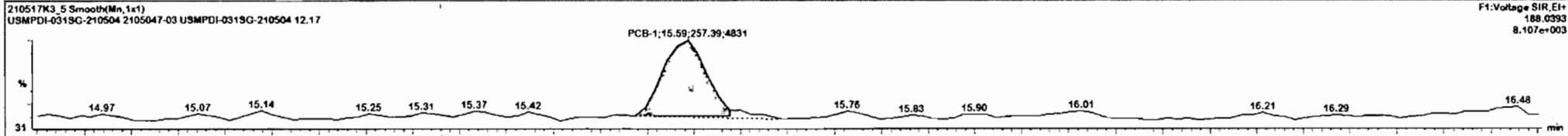
**13C-PCB-1**



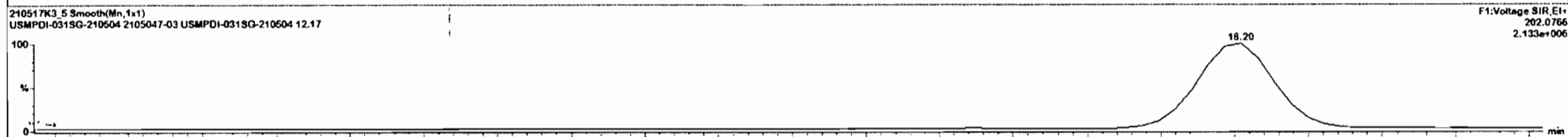
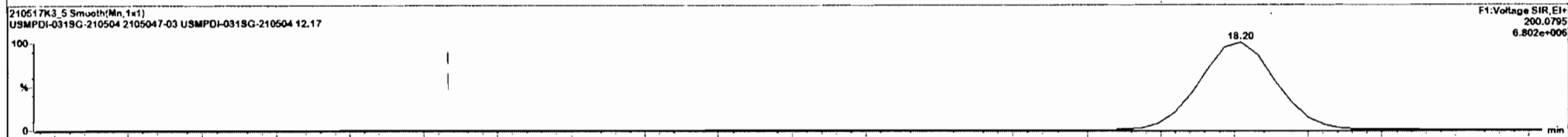
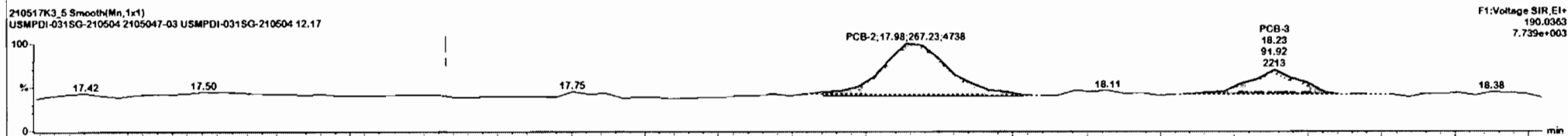
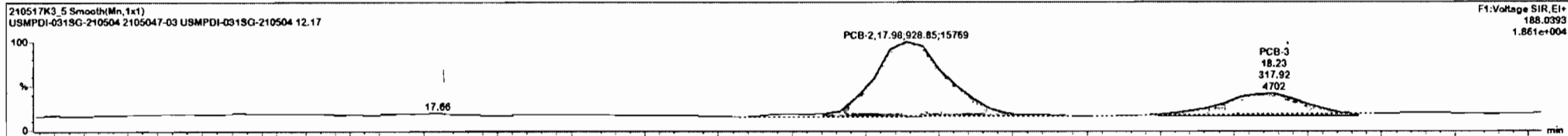
**PFK1**



#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	3 PCB-3	16.22	16.23	3.179e2	9.192e1	3.130	3.46	NO	1.5427	1.5427
2	2 PCB-2	17.99	17.98	9.29e2	2.672e2	3.130	3.46	NO	4.4163	4.4153
3	1 PCB-1	15.58	15.59	2.574e2	9.632e1	3.130	2.67	NO	1.3939	1.3939



#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	PCB-3	18.22	18.23	3.179e2	9.192e1	3.130	2.46	NO	1.5427	1.5427
2	PCB-2	17.99	17.98	9.289e2	2.672e2	3.130	2.48	NO	4.4163	4.4163
3	PCB-1	15.58	15.59	2.574e2	9.632e1	3.130	2.67	NO	1.3939	1.3939



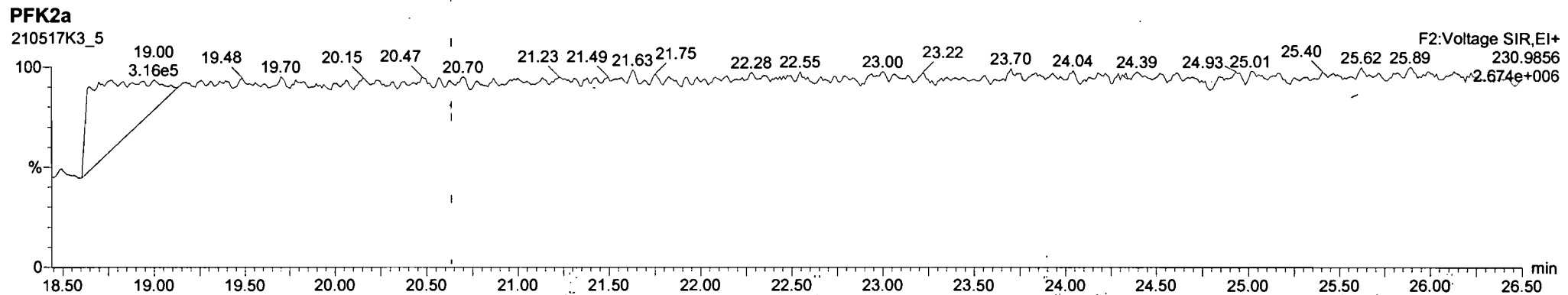
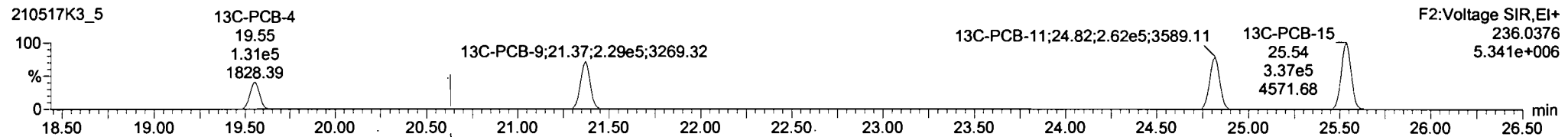
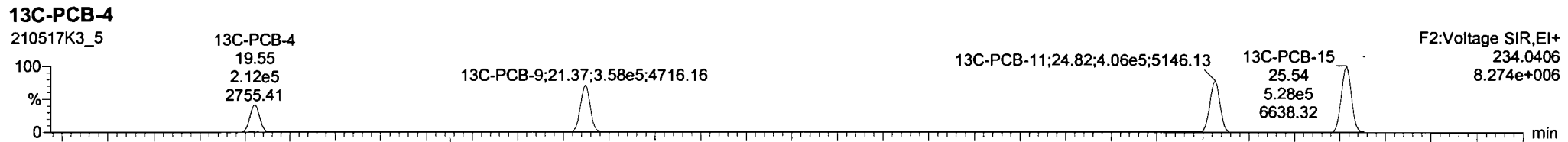
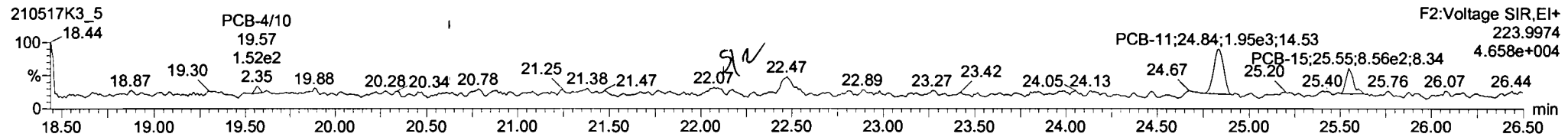
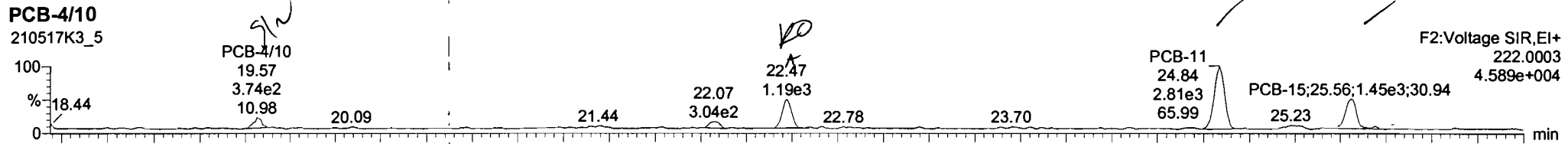
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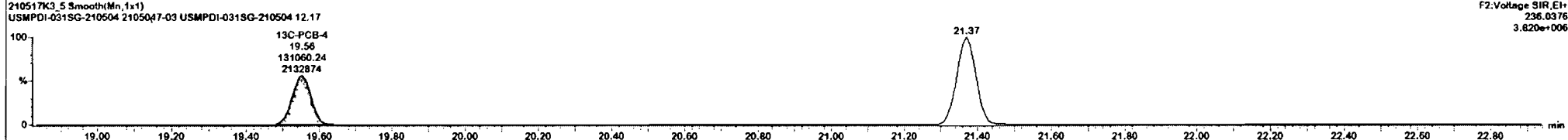
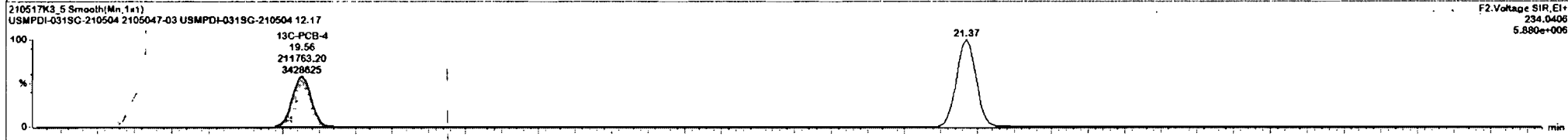
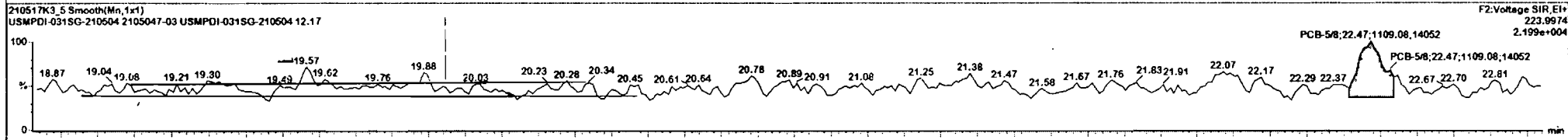
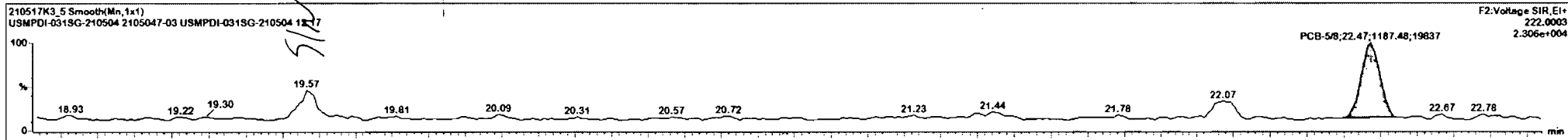
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Name: 210517K3\_5, Date: 18-May-2021, Time: 07:06:08, ID: 2105047-03 USMPDI-031SG-210504 12.17, Description: USMPDI-031SG-210504



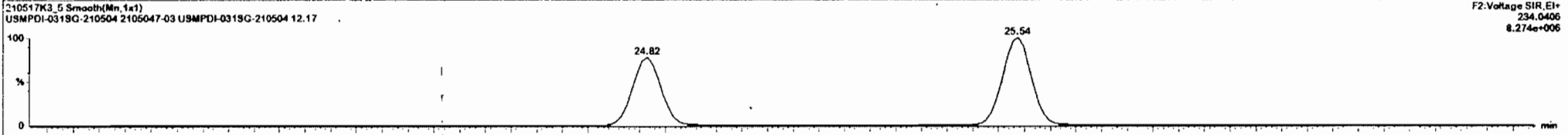
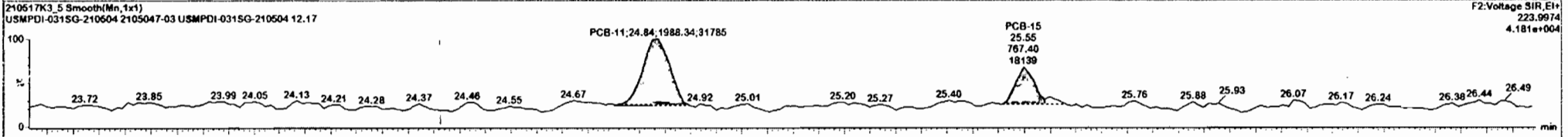
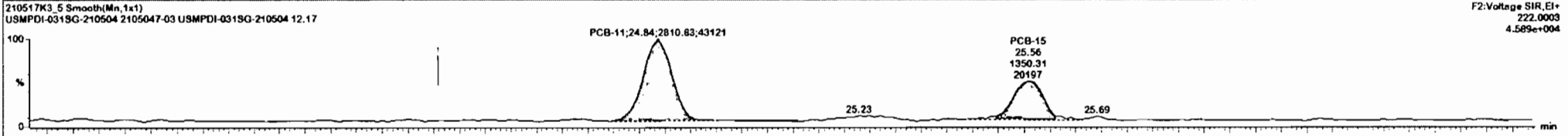
210517K3\_5 - 2105047-03 USMPDI-031SG-210504 12.17 - USMPDI-031SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	11 PCB-15	25.55	25.56	1.350e3	7.674e2	1.560	1.76	NO	6.2448	6.2448
2	9 PCB-11	24.84	24.84	2.811e3	1.988e3	1.560	1.41	NO	12.395	12.895
3	7 PCB-5/8	22.49	22.47	1.187e3	1.109e3	1.560	1.07	YES	6.8586	0.0000





#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	11 PCB-15	25.55	25.56	1.350e3	7.674e2	1.560	1.76	NO	8.2148	6.2446
2	5 PCB-11	24.84	24.84	2.511e2	1.988e3	1.560	1.41	NO	12.895	12.895
3	7 PCB-5/2	22.49	22.47	1.167e3	1.199e3	1.560	1.07	YES	8.8080	0.00000



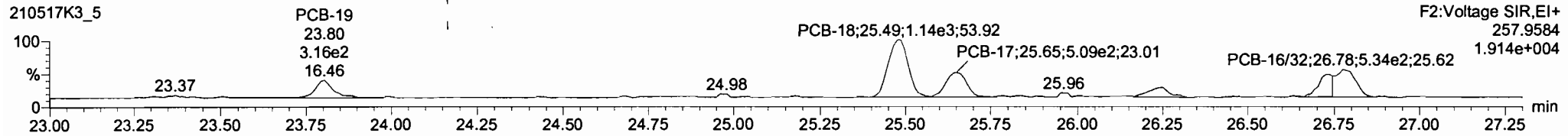
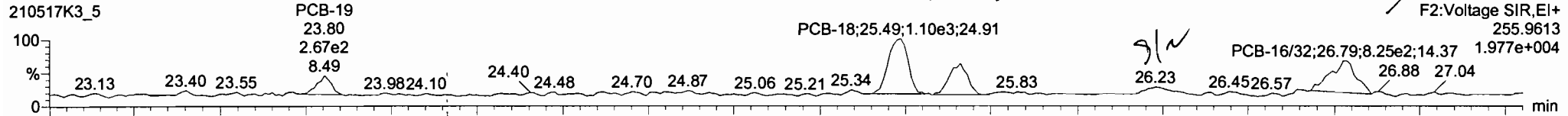
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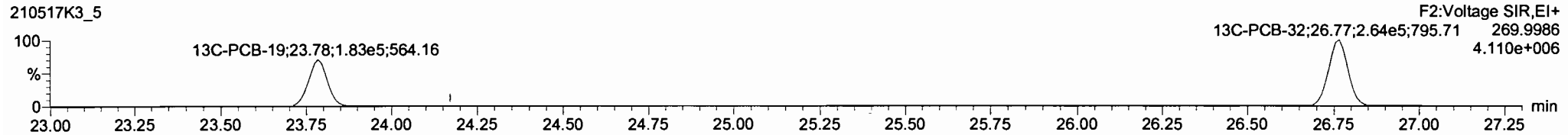
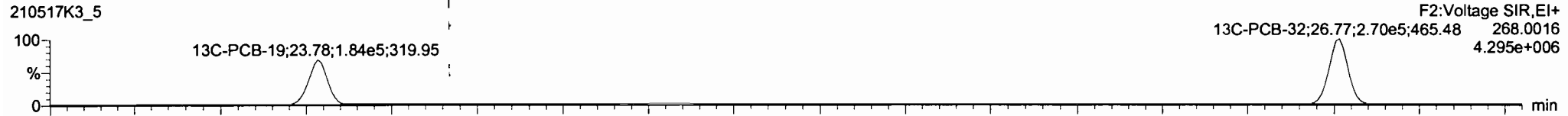
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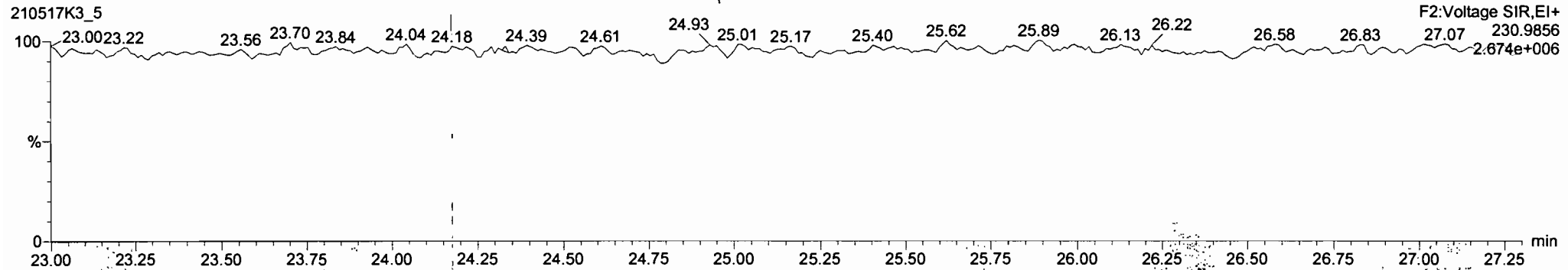
**PCB-19**



**13C-PCB-19**

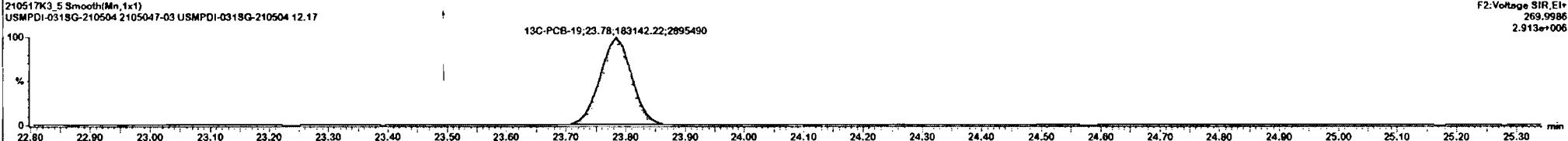
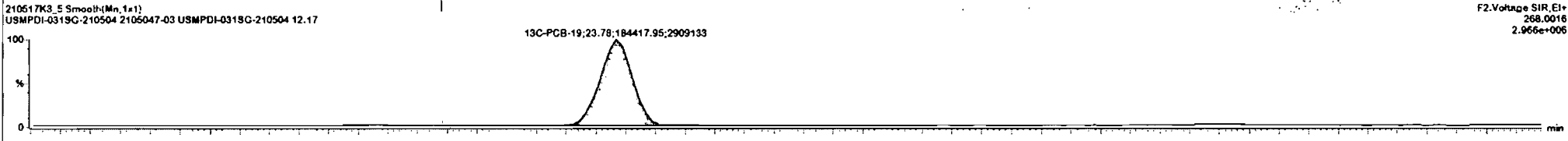
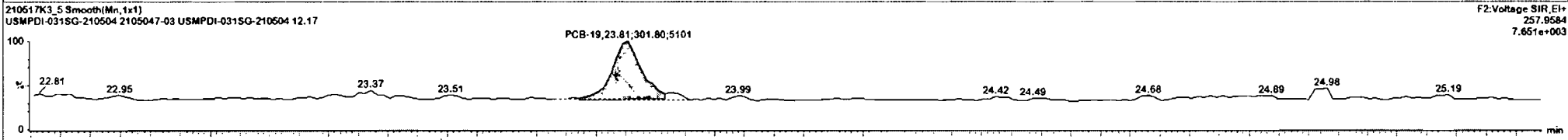
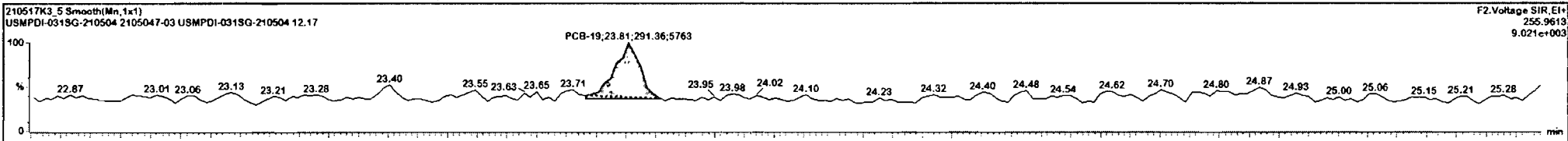


**PFK2b**



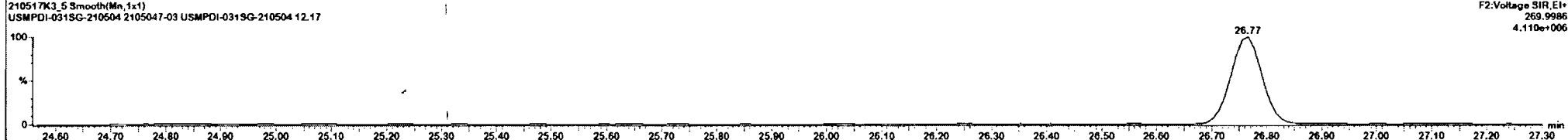
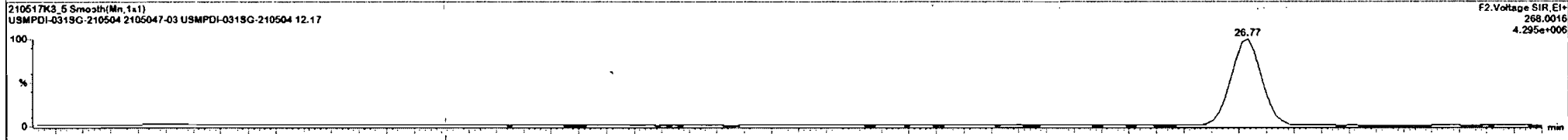
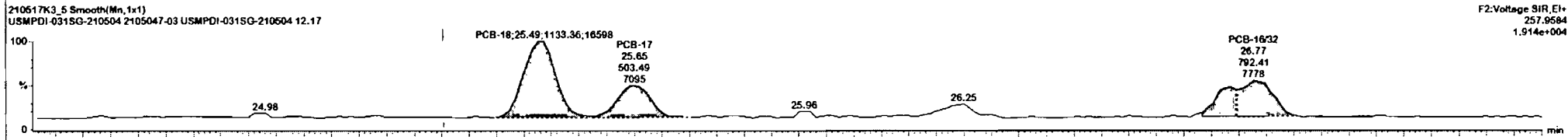
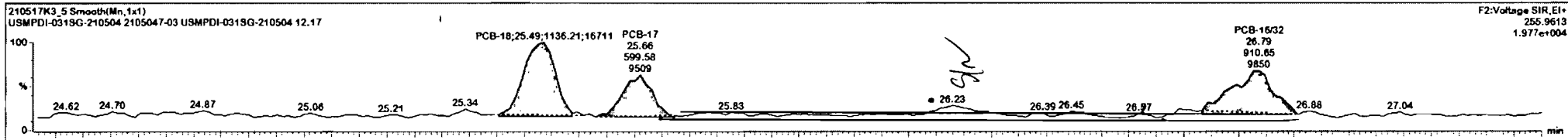
210517K3\_5 - 2105047-03 USMPDI-031SG-210504 12.17 - USMPDI-031SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>o</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	12 PCB-19	23.81	23.81	2.914e2	3.019e2	1.040	0.97	NO	3.3239	3.3239
2	14 PCB-16	25.49	25.49	1.126e3	1.133e3	1.040	1.00	NO	11.821	11.821
3	15 PCB-17	25.65	25.66	5.996e2	5.035e2	1.040	1.19	NO	6.1532	6.1532
4	17 PCB-16:32	26.79	26.79	9.106e2	7.824e2	1.040	1.15	NO	7.7409	7.7409



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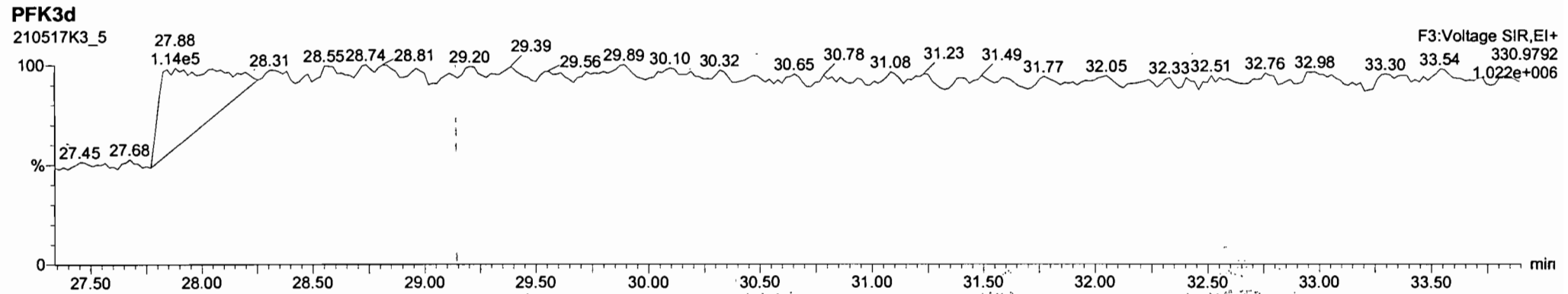
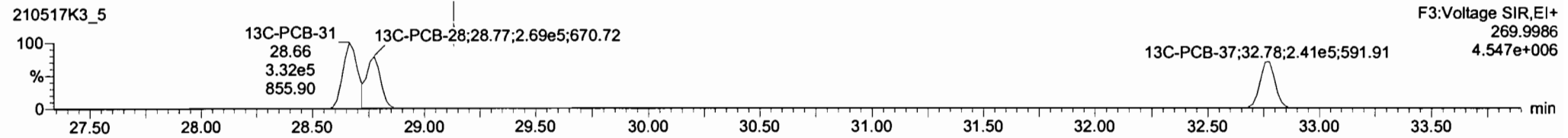
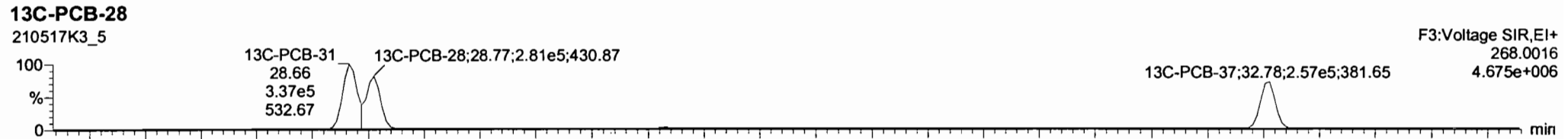
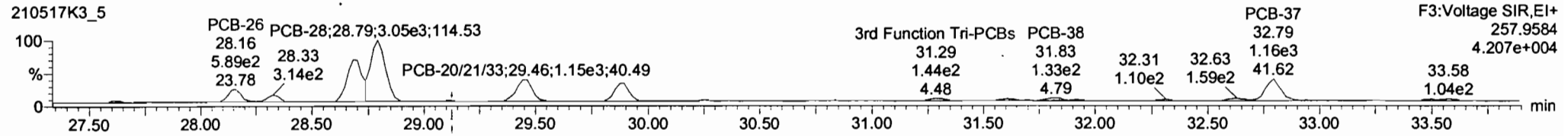
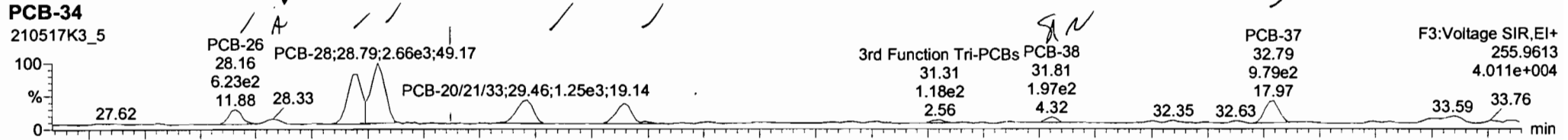
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n <sub>y</sub>	EMPC	Conc
1	12 PCB-19	23.81	23.81	2.914e2	3.018e2	1.040	0.97	NO	3.3239	3.3239
2	14 PCB-16	25.49	25.49	1.136e3	1.133e3	1.040	1.00	NO	11.821	11.821
3	15 PCB-17	25.65	25.66	5.596e2	5.025e2	1.040	1.19	NO	6.1532	6.1532
4	17 PCB-16/32	26.79	26.79	9.106e2	7.924e2	1.040	1.15	NO	7.7409	7.7409



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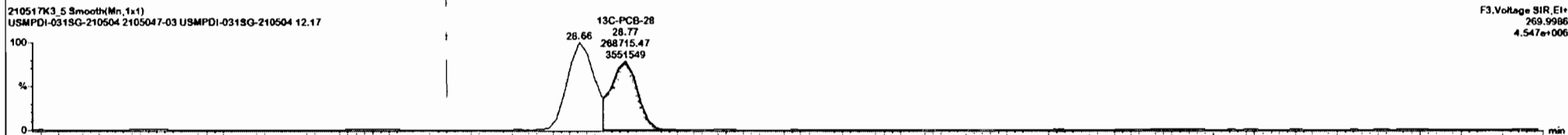
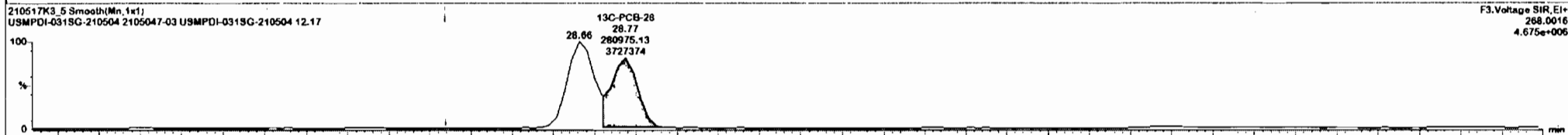
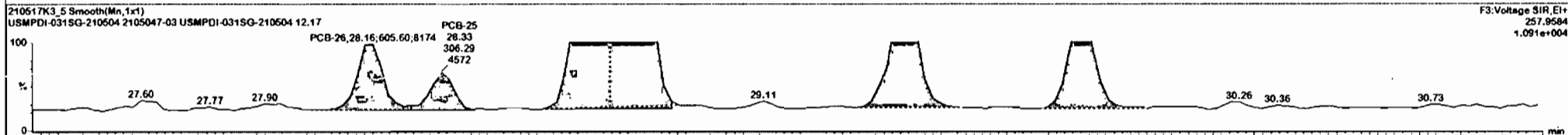
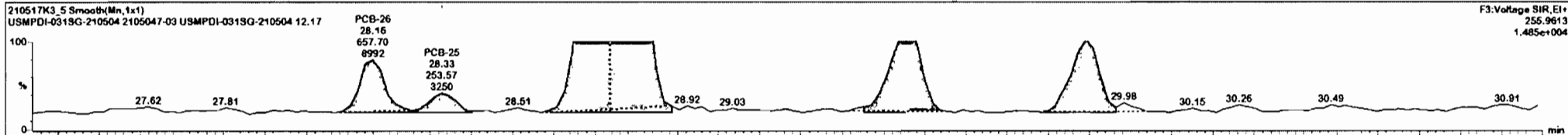
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Name: 210517K3\_5, Date: 18-May-2021, Time: 07:06:08, ID: 2105047-03 USMPDI-031SG-210504 12.17, Description: USMPDI-031SG-210504



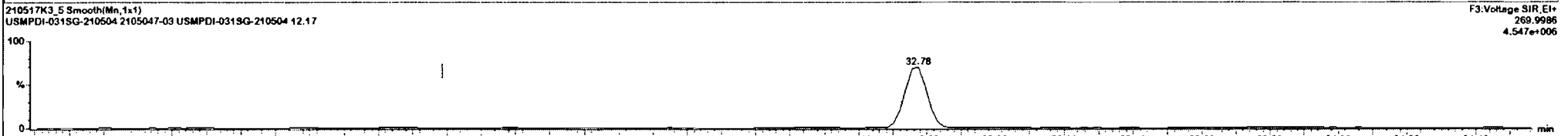
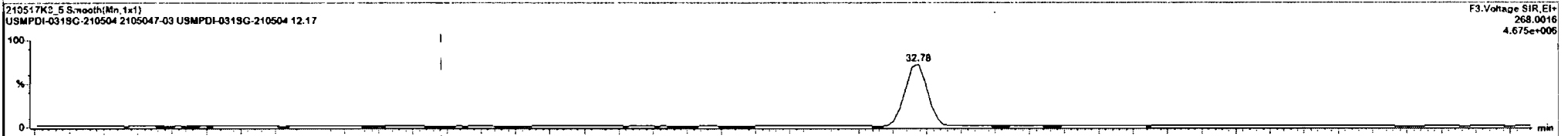
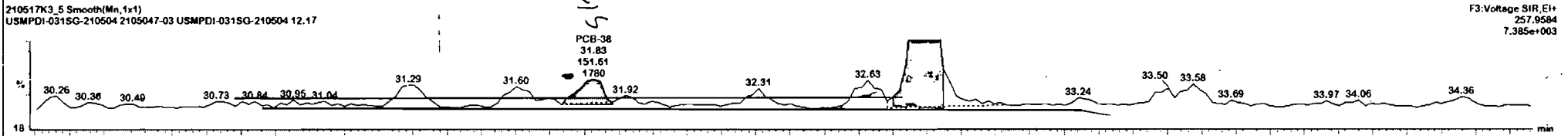
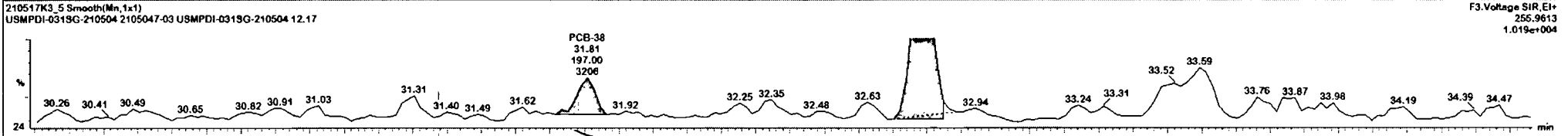
210517K3\_5 - 2105047-03 USMPDI-031SG-210504 12.17 - USMPDI-031SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	ELIPC	Conc.
1	21 PCB-26	28.16	28.16	6.577e2	8.056e2	1.040	1.09	NO	5.0310	5.0310
2	22 PCB-25	28.32	28.33	2.536e2	3.063e2	1.040	0.83	YES	1.9793	0.00000
3	23 PCB-31	28.70	28.70	2.285e3	2.093e3	1.040	1.09	NO	15.475	15.475
4	24 PCB-28	28.75	28.75	2.762e3	3.095e3	1.040	0.90	NO	21.105	21.105
5	25 PCB-20/21/23	29.43	29.46	1.258e3	1.137e3	1.040	1.11	NO	9.5568	9.5568
6	26 PCB-22	29.89	29.89	9.741e2	8.878e2	1.040	1.10	NO	7.1543	7.1543
7	29 PCB-38	31.80	31.81	1.970e2	1.515e2	1.040	1.30	YES	1.1346	0.00000
8	31 PCB-37	32.75	32.79	1.004e3	1.048e3	1.040	0.96	NO	8.0195	8.0195



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#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	21 PCB-26	28.16	28.16	6.577e2	6.056e2	1.040	1.09	NO	5.0310	5.0310
2	22 PCB-25	28.32	28.33	2.536e2	3.063e2	1.040	0.63	YES	1.9793	0.00000
3	23 PCB-31	28.70	28.70	2.285e3	2.093e3	1.040	1.09	NO	15.478	15.478
4	24 PCB-28	28.79	28.79	2.782e3	3.395e3	1.040	0.90	NO	21.105	21.105
5	25 PCB-20/21/23	29.43	29.46	1.258e3	1.137e3	1.040	1.11	NO	9.5568	9.5568
6	26 PCB-22	29.89	29.89	9.741e2	8.678e2	1.040	1.10	NO	7.1543	7.1543
7	29 PCB-36	31.80	31.81	1.970e2	1.516e2	1.040	1.30	YES	1.1846	0.00003
8	31 PCB-37	32.79	32.79	1.004e3	1.046e3	1.040	0.96	NO	8.3195	8.0195



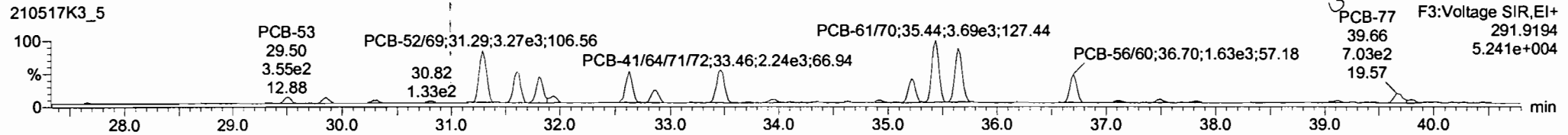
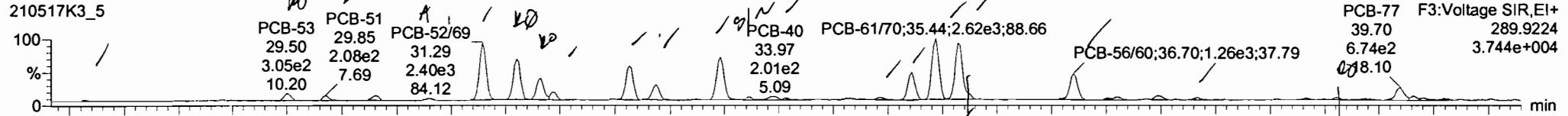
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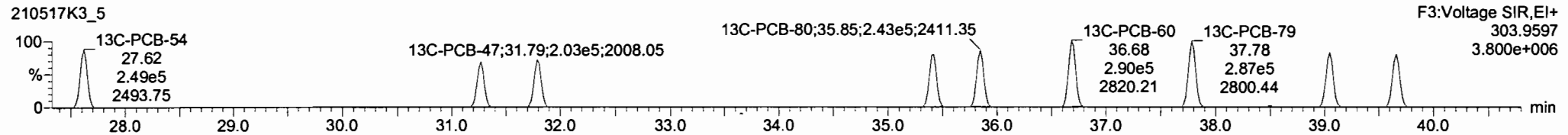
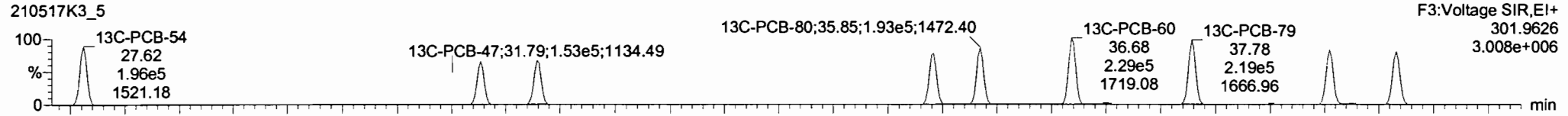
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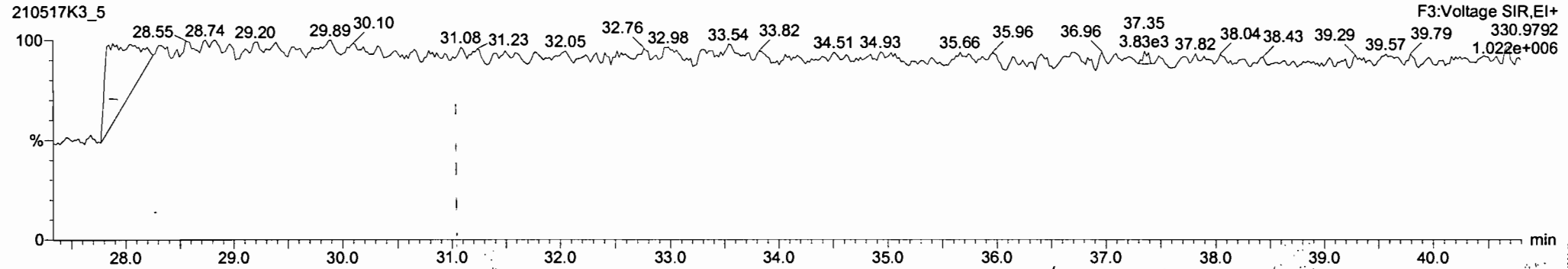
**PCB-54**



**13C-PCB-54**



**PFK3a**





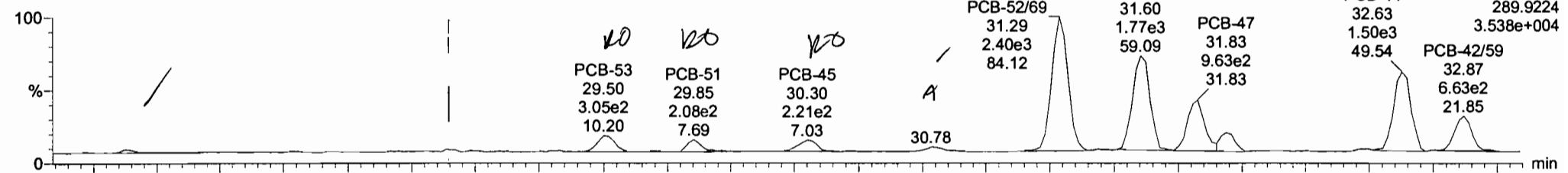
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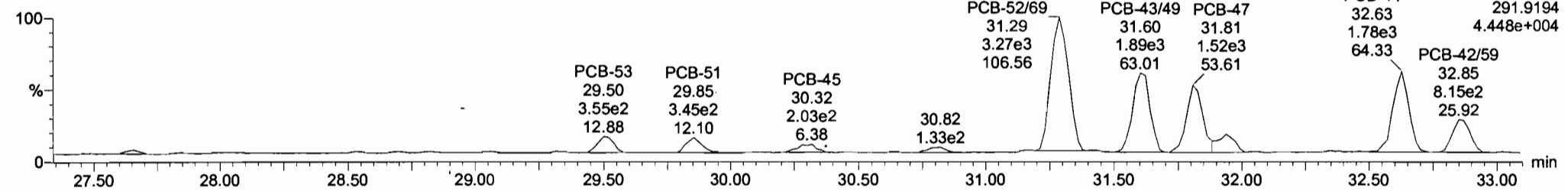
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**PCB-50**

210517K3\_5

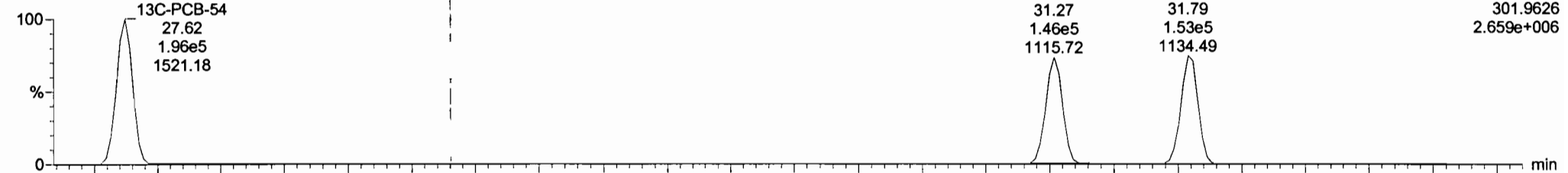


210517K3\_5

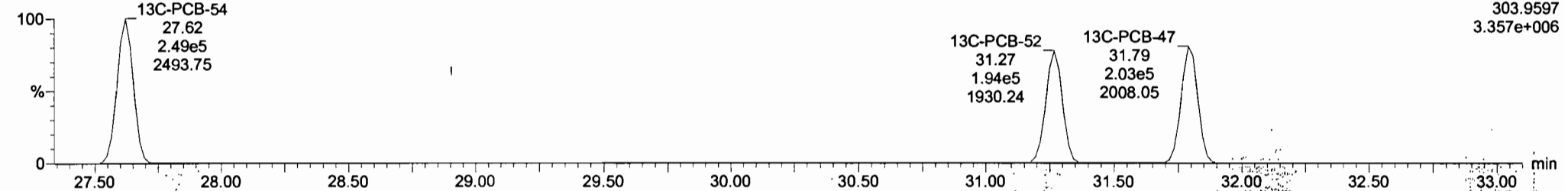


**13C-PCB-52**

210517K3\_5

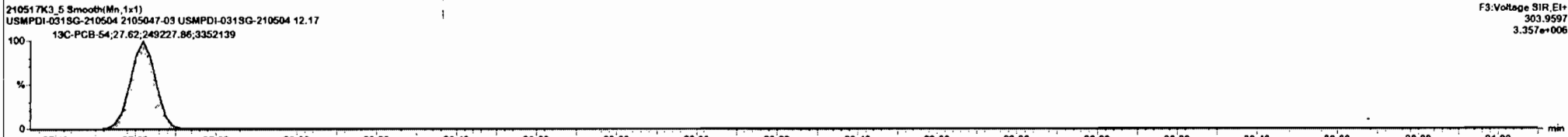
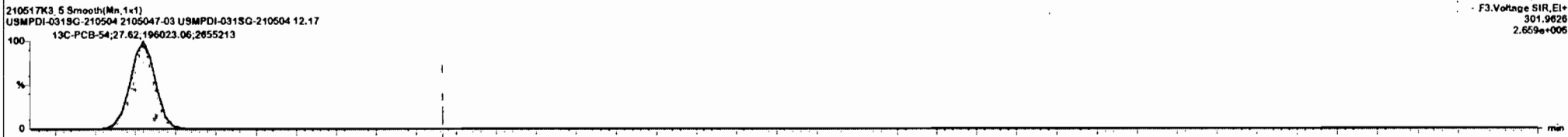
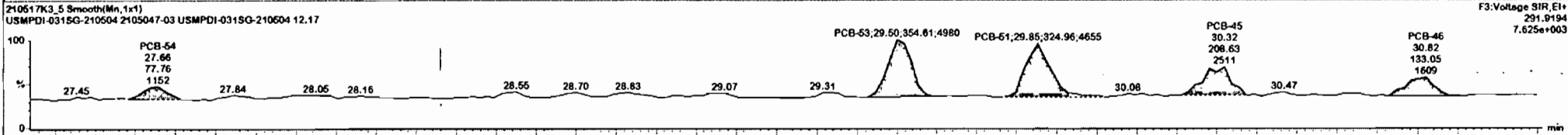
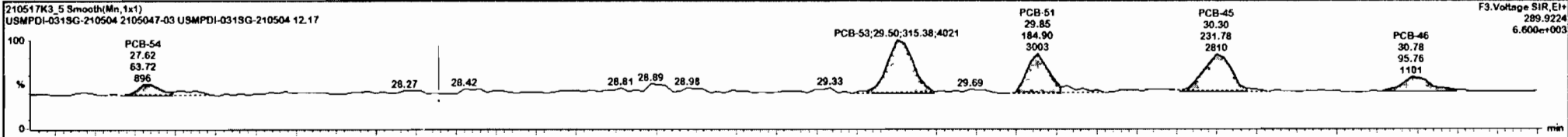


210517K3\_5

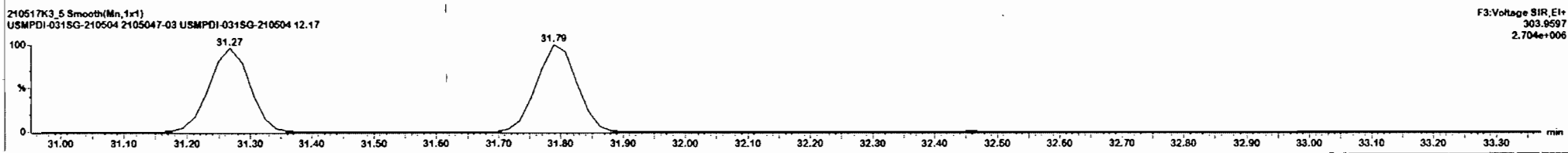
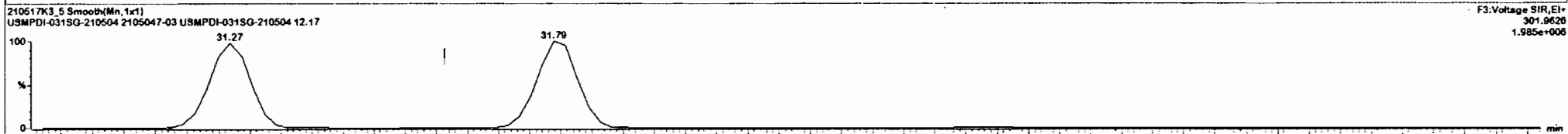
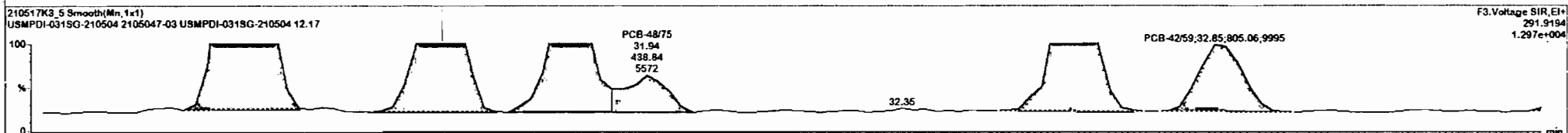
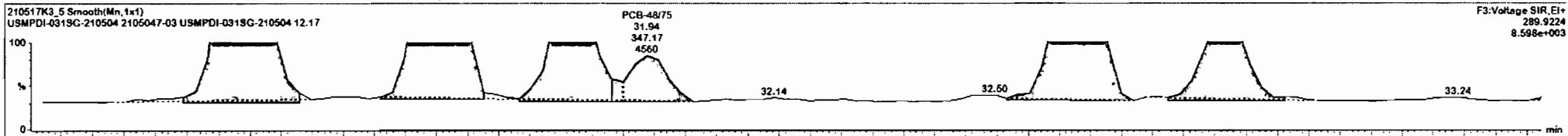


210517K3\_5 - 2105047-03 USMPDI-031SG-210504 12 17 - USMPDI-031SG-210504

#	Name	Pred. RT	RT	m1 Resp	m2 Resp	I* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.64	27.62	6.372e1	7.776e1	0.770	0.82	NO	0.65304	0.65304
2	34 PCB-53	29.52	29.50	3.154e2	3.546e2	0.770	0.89	YES	3.9402	0.00000
3	35 PCB-51	29.87	29.85	1.649e2	3.250e2	0.770	0.57	YES	2.5964	0.00000
4	36 PCB-45	30.32	30.30	2.318e2	2.086e2	0.770	1.11	YES	2.7124	0.00000
5	37 PCB-46	30.82	30.78	9.576e1	1.331e2	0.770	0.72	NO	1.7507	1.7507
6	38 PCB-52/69	31.31	31.29	2.414e3	3.292e3	0.770	0.73	NO	31.583	31.583
7	40 PCB-43/49	31.59	31.60	1.776e3	1.905e3	0.770	0.93	YES	21.521	0.00000
8	41 PCB-47	31.81	31.83	9.983e2	1.522e3	0.770	0.86	NO	16.444	16.444
9	42 PCB-48/75	31.84	31.84	3.117e2	4.388e2	0.770	0.71	NO	4.0710	4.0710
10	45 PCB-44	32.63	32.63	1.521e3	1.782e3	0.770	0.85	NO	24.548	24.548



#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.64	27.62	6.372e1	7.776e1	0.770	0.82	NO	0.65304	0.65304
2	34 PCB-53	29.52	29.50	3.154e2	3.546e2	0.770	0.89	YES	3.9402	0.00000
3	35 PCB-51	29.87	29.85	1.849e2	3.250e2	0.770	0.57	YES	2.5064	0.00000
4	36 PCB-45	30.32	30.30	2.318e2	2.086e2	0.770	1.11	YES	2.7124	0.00000
5	37 PCB-46	30.82	30.78	9.576e1	1.331e2	0.770	0.72	NO	1.7507	1.7507
6	38 PCB-5269	31.31	31.29	2.414e3	3.292e3	0.770	0.73	NO	31.683	31.083
7	40 PCB-4349	31.59	31.60	1.776e3	1.908e3	0.770	0.93	YES	21.521	0.00000
8	41 PCB-47	31.81	31.83	9.531e2	1.522e3	0.770	0.83	YES	14.297	0.00000
9	42 PCB-4675	31.94	31.94	3.472e2	4.388e2	0.770	0.79	NO	4.2634	4.2634
10	45 PCB-44	32.63	32.63	1.521e3	1.782e3	0.770	0.85	NO	24.548	24.548
11	46 PCB-4259	32.87	32.87	6.811e2	8.051e2	0.770	0.85	NO	6.5833	8.5833



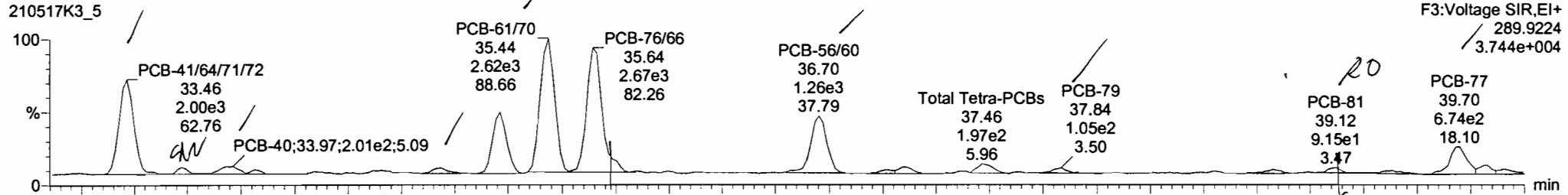
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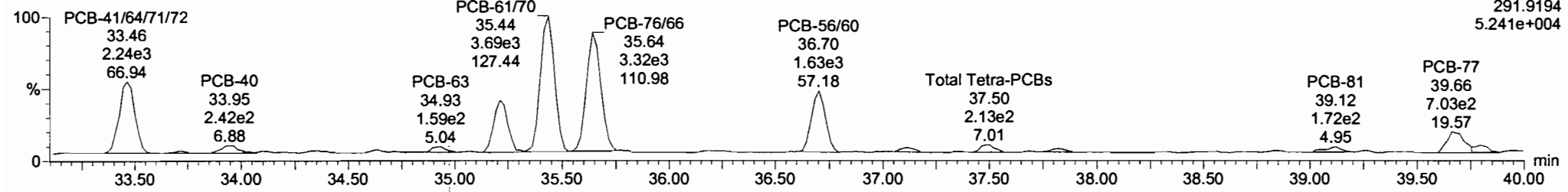
Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

Name: 210517K3\_5, Date: 18-May-2021, Time: 07:06:08, ID: 2105047-03 USMPDI-031SG-210504 12.17, Description: USMPDI-031SG-210504

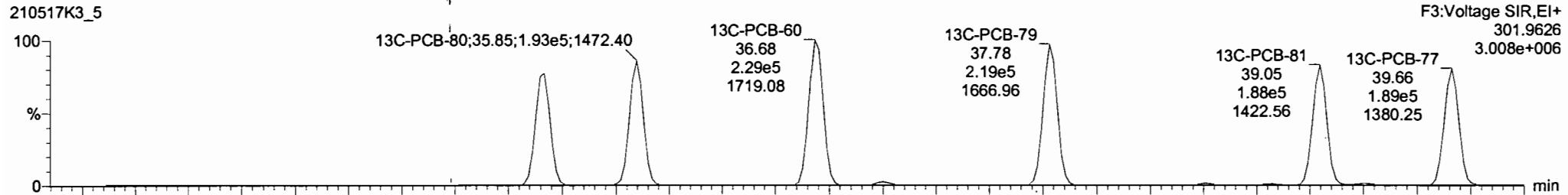
PCB-68



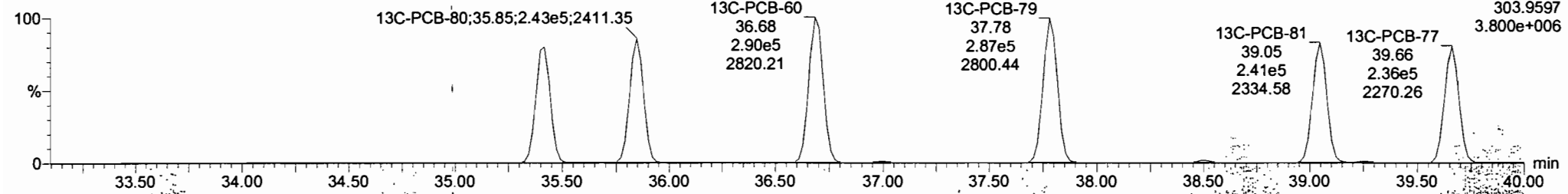
PCB-68



13C-PCB-60

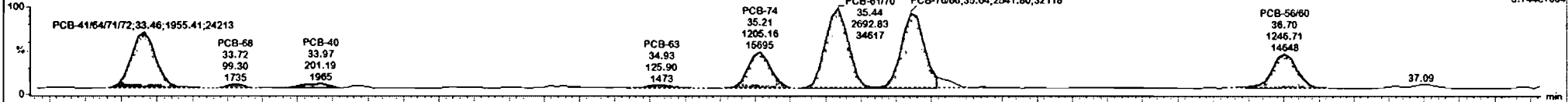


13C-PCB-60

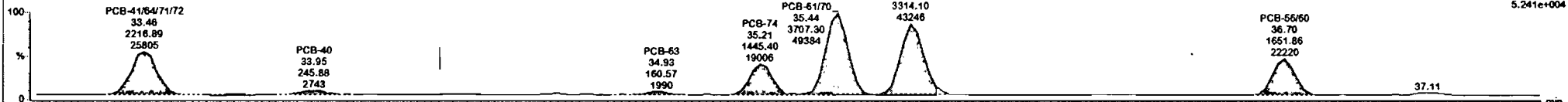


#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	ELPC	Conc.
1	32 PCB-54	27.64	27.62	6.372e1	7.776e1	0.770	0.82	NO	0.65304	0.65304
2	34 PCB-53	29.52	29.50	3.154e2	3.546e2	0.770	0.89	YES	3.9402	0.00000
3	35 PCB-51	29.87	29.85	1.646e2	3.250e2	0.770	0.57	YES	2.5064	0.00000
4	36 PCB-45	30.32	30.30	2.318e2	2.086e2	0.770	1.11	YES	2.7124	0.00000
5	37 PCB-46	30.82	30.78	9.676e1	1.331e2	0.770	0.72	NO	1.7507	1.7507
6	38 PCB-52/69	31.31	31.29	2.414e3	3.292e3	0.770	0.73	NO	31.683	31.083
7	40 PCB-43/49	31.59	31.60	1.776e3	1.968e3	0.770	0.93	YES	21.521	0.00000
8	41 PCB-47	31.81	31.83	9.631e2	1.522e3	0.770	0.83	YES	14.297	0.00000
9	42 PCB-48/75	31.94	31.94	3.472e2	4.398e2	0.770	0.79	NO	4.2634	4.2634
10	45 PCB-44	32.63	32.63	1.521e3	1.782e3	0.770	0.85	NO	24.548	24.548
11	46 PCB-42/59	32.87	32.87	6.811e2	8.051e2	0.770	0.85	NO	6.5833	8.5833

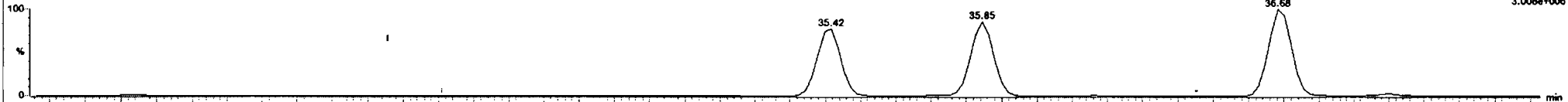
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USMPDI-031SG-210504 2105047-03 USMPDI-031SG-210504 12.17



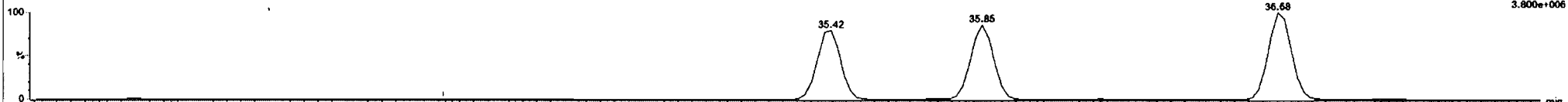
210517K3\_5 Smooth(Mn, 1x1)  
USMPDI-031SG-210504 2105047-03 USMPDI-031SG-210504 12.17



210517K3\_5 Smooth(Mn, 1x1)  
USMPDI-031SG-210504 2105047-03 USMPDI-031SG-210504 12.17

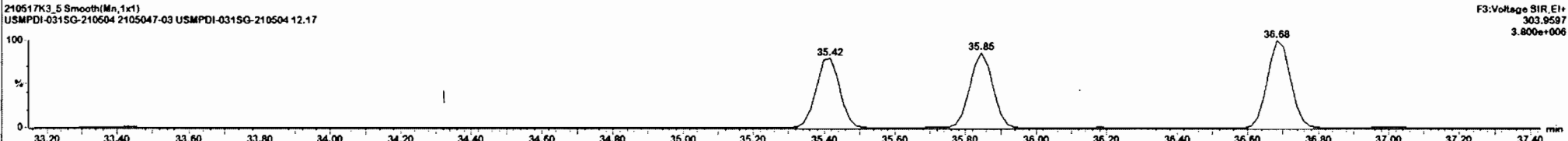
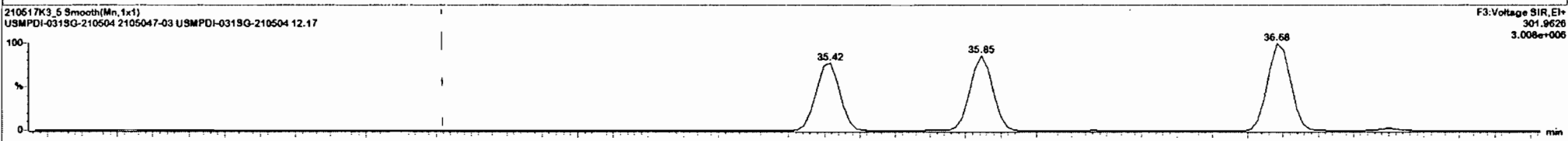
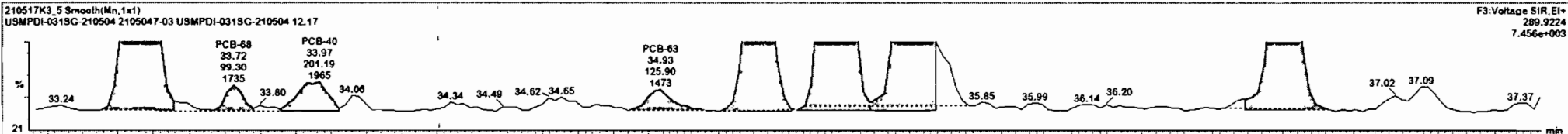


210517K3\_5 Smooth(Mn, 1x1)  
USMPDI-031SG-210504 2105047-03 USMPDI-031SG-210504 12.17



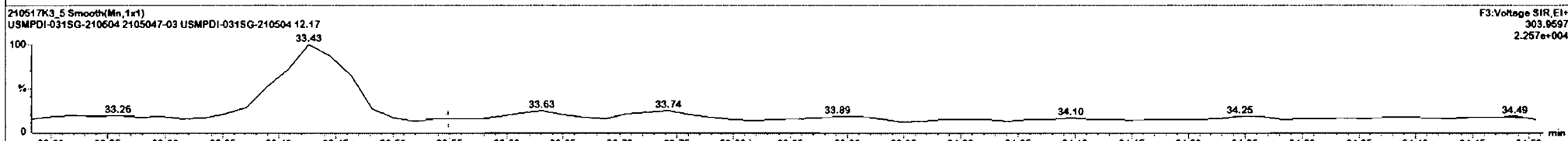
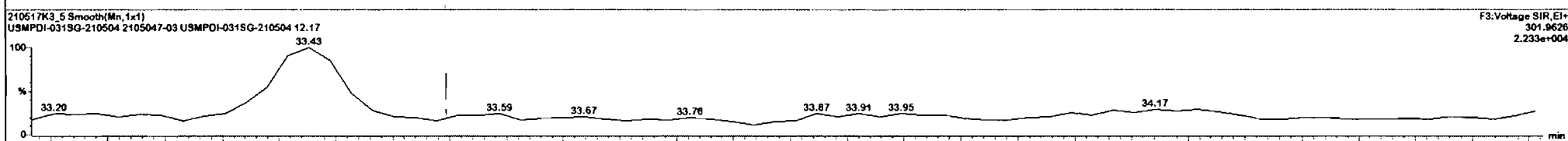
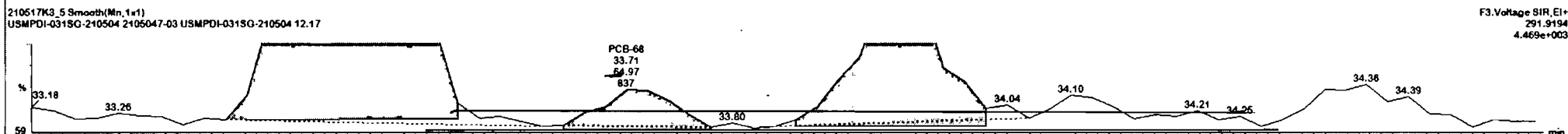
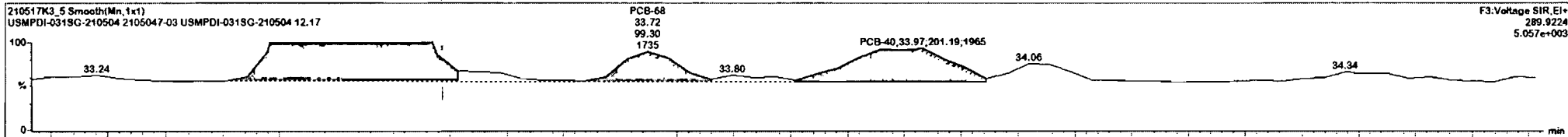
210517K3\_5 - 2105047.03 USMPDI-031SG-210504 12.17 - USMPDI-031SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Rate (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.64	27.62	6.372e1	7.776e1	0.770	0.82	NO	0.65304	0.65304
2	34 PCB-53	29.52	29.50	3.154e2	3.546e2	0.770	0.89	YES	3.9402	0.00000
3	35 PCB-51	29.87	29.85	1.849e2	3.250e2	0.770	0.57	YES	2.5964	0.00000
4	36 PCB-45	30.32	30.30	2.318e2	2.086e2	0.770	1.11	YES	2.7124	0.00000
5	37 PCB-48	30.82	30.78	9.576e1	1.331e2	0.770	0.72	NO	1.7507	1.7507
6	38 PCB-52/69	31.31	31.29	2.414e3	3.292e3	0.770	0.73	NO	31.083	31.083
7	40 PCB-43/49	31.59	31.60	1.776e3	1.908e3	0.770	0.93	YES	21.521	0.00000
8	41 PCB-47	31.81	31.83	9.531e2	1.522e3	0.770	0.63	YES	14.297	0.00000
9	42 PCB-46/75	31.94	31.94	3.472e2	4.388e2	0.770	0.79	NO	4.2634	4.2634
10	45 PCB-44	32.63	32.63	1.521e3	1.782e3	0.770	0.65	NO	24.548	24.548
11	46 PCB-42/59	32.87	32.87	6.811e2	8.051e2	0.770	0.66	NO	8.5833	8.5833

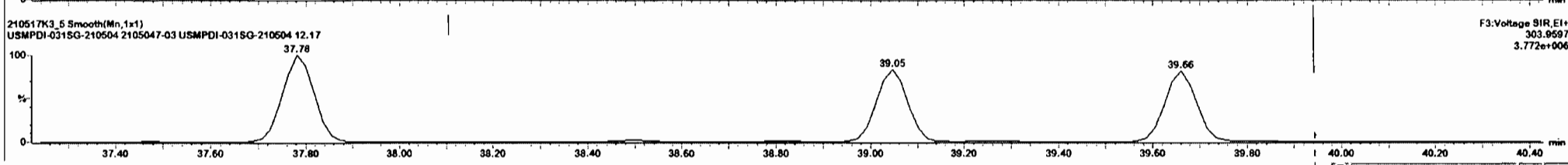
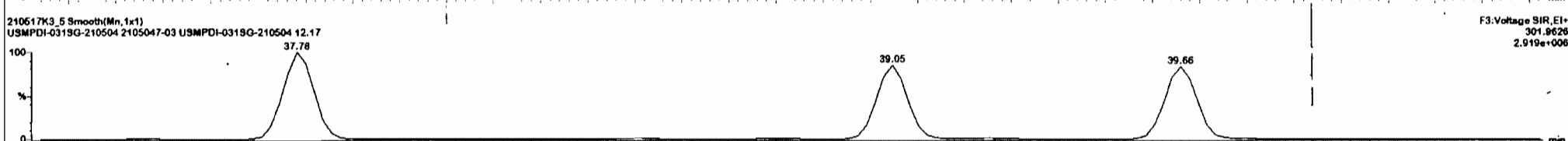
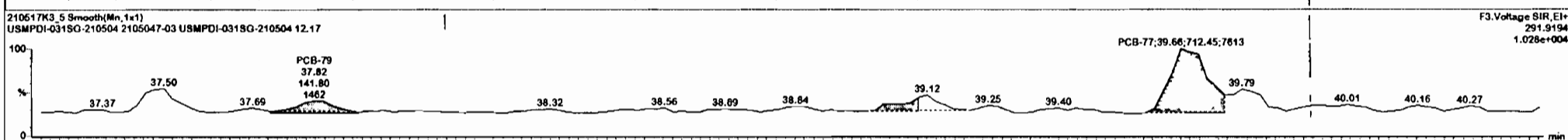
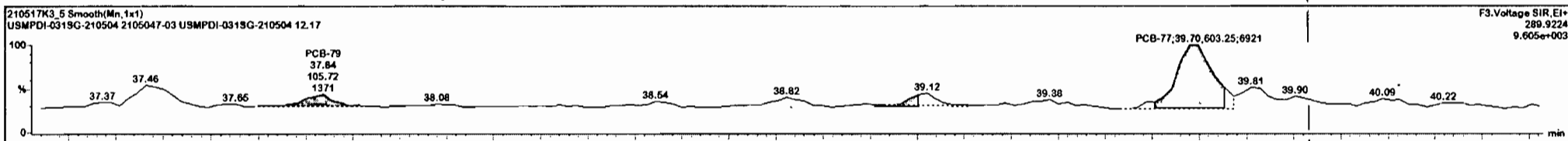


210517K3\_5 - 2105047-03 USMPDI-031SG-210504 12.17 - USMPDI-031SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	inY	EMPC	Conc.
1	32 PCB-54	27.64	27.62	6.372e1	7.776e1	0.770	0.82	NO	0.65384	0.65304
2	34 PCB-53	29.52	29.50	3.154e2	3.546e2	0.770	0.89	YES	3.9402	0.00000
3	35 PCB-E1	29.87	29.85	1.849e2	3.250e2	0.770	0.57	YES	2.5964	0.00000
4	36 PCB-45	30.32	30.30	2.316e2	2.056e2	0.770	1.11	YES	2.7124	0.00000
5	37 PCB-46	30.82	30.78	9.576e1	1.331e2	0.770	0.72	NO	1.7507	1.7507
6	38 PCB-52E9	31.31	31.29	2.414e3	3.292e3	0.770	0.73	NO	31.583	31.083
7	40 PCB-43/49	31.59	31.60	1.776e3	1.906e3	0.770	0.93	YES	21.521	0.00000
8	41 PCB-47	31.81	31.83	9.531e2	1.522e3	0.770	0.83	YES	14.297	0.00000
9	42 PCB-48/75	31.94	31.94	3.472e2	4.388e2	0.770	0.79	NO	4.2634	4.2634
10	45 PCB-44	32.63	32.63	1.521e3	1.782e3	0.770	0.85	NO	24.548	24.548
11	46 PCB-42E9	32.87	32.87	6.811e2	8.051e2	0.770	0.85	NO	8.5833	8.5833



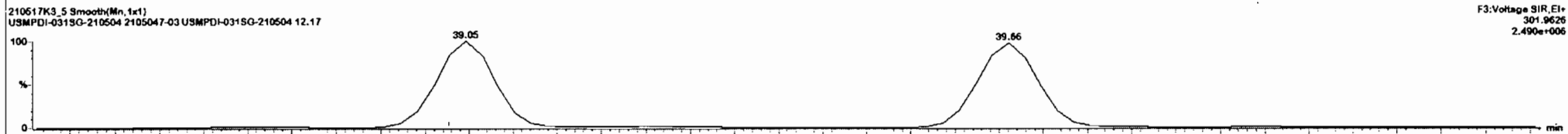
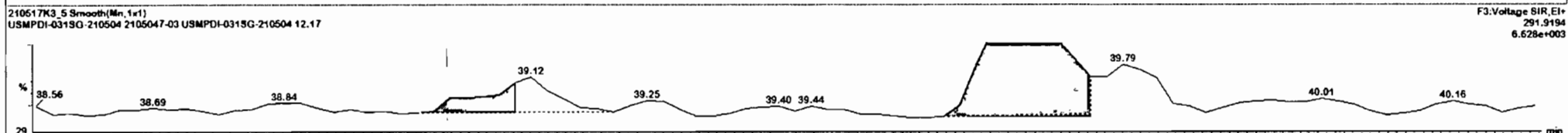
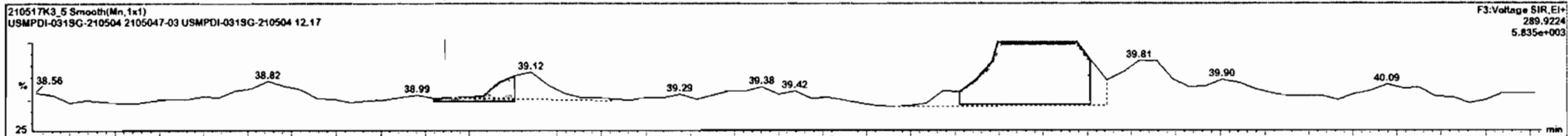
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.64	27.62	6.372e1	7.776e1	0.770	0.82	NO	0.65304	0.65304
2	34 PCB-53	29.52	29.50	3.154e2	3.546e2	0.770	0.89	YES	3.9402	0.00000
3	35 PCB-51	29.87	29.85	1.849e2	3.250e2	0.770	0.57	YES	2.5064	0.00000
4	36 PCB-45	30.32	30.30	2.318e2	2.086e2	0.770	1.11	YES	2.7124	0.00000
5	37 PCB-46	30.82	30.78	9.576e1	1.331e2	0.770	0.72	NO	1.7507	1.7507
6	38 PCB-52/69	31.31	31.29	2.414e3	3.292e3	0.770	0.73	NO	31.083	31.083
7	40 PCB-43/49	31.59	31.60	1.776e3	1.908e3	0.770	0.93	YES	21.521	0.00000
8	41 PCB-47	31.81	31.83	9.531e2	1.522e3	0.770	0.63	YES	14.297	0.00000
9	42 PCB-46/75	31.94	31.94	3.472e2	4.388e2	0.770	0.79	NO	4.2634	4.2634
10	45 PCB-44	32.63	32.63	1.521e3	1.782e3	0.770	0.85	NO	24.548	24.548
11	46 PCB-42/59	32.87	32.87	6.811e2	8.051e2	0.770	0.65	NO	8.5833	8.5833





210517K3\_5 - 2105047-03 USMPDI-031SG-210504 12.17 - USMPDI-031SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	m/y	EMPC	Conc.
1	32 PCB-54	27.64	27.62	6.372e1	7.776e1	0.770	0.82	NO	0.65304	0.65304
2	34 PCB-53	29.52	29.50	3.154e2	3.546e2	0.770	0.89	YES	3.9402	0.00000
3	35 PCB-51	29.87	29.85	1.849e2	3.250e2	0.770	0.57	YES	2.5064	0.00000
4	36 PCB-45	30.32	30.30	2.318e2	2.086e2	0.770	1.11	YES	2.7124	0.00000
5	37 PCB-48	30.82	30.78	9.576e1	1.331e2	0.770	0.72	NO	1.7507	1.7507
6	38 PCB-52E9	31.31	31.29	2.414e3	3.292e3	0.770	0.73	NO	31.683	31.083
7	40 PCB-4349	31.59	31.60	1.776e3	1.908e3	0.770	0.93	YES	21.521	0.00000
8	41 PCB-47	31.81	31.83	9.531e2	1.522e3	0.770	0.63	YES	14.297	0.00000
9	42 PCB-4675	31.94	31.94	3.472e2	4.388e2	0.770	0.79	NO	4.2634	4.2634
10	45 PCB-44	32.63	32.63	1.521e3	1.782e3	0.770	0.85	NO	24.548	24.548
11	46 PCB-4259	32.87	32.87	6.811e2	8.051e2	0.770	0.85	NO	8.5833	8.5833



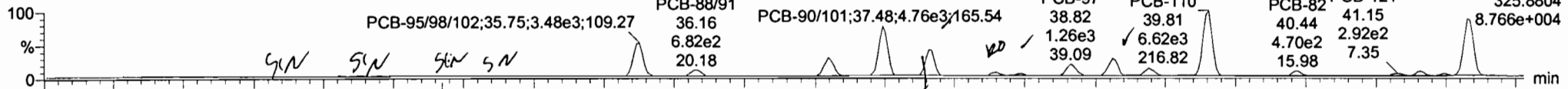
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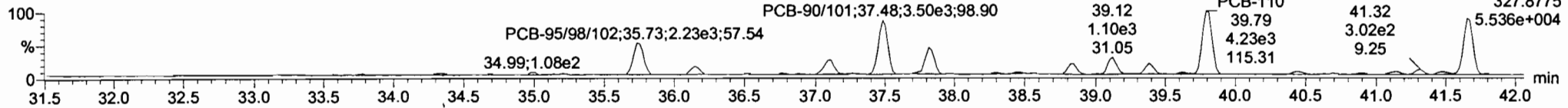
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**PCB-104**

210517K3\_5

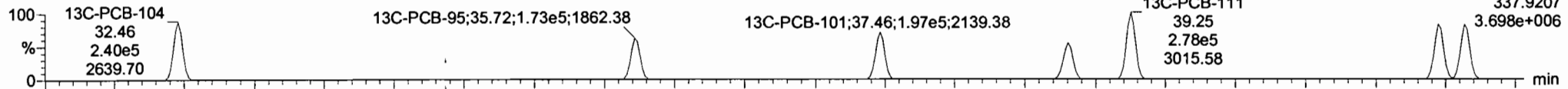


210517K3\_5

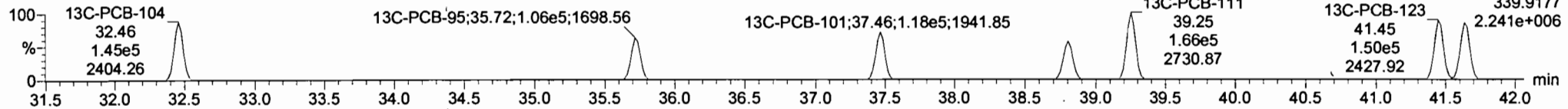


**13C-PCB-104**

210517K3\_5

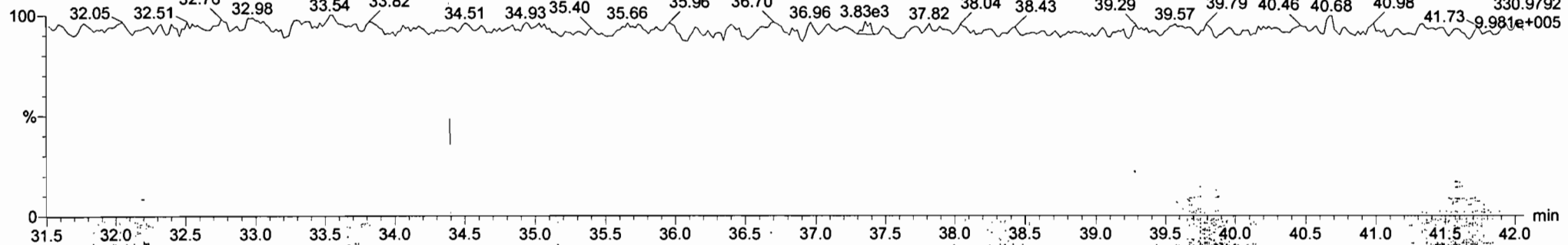


210517K3\_5



**PFK3b**

210517K3\_5



Dataset: Untitled

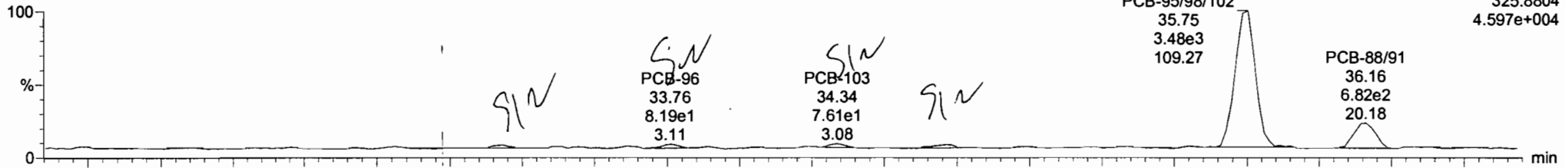
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Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

Name: 210517K3\_5, Date: 18-May-2021, Time: 07:06:08, ID: 2105047-03 USMPDI-031SG-210504 12.17, Description: USMPDI-031SG-210504

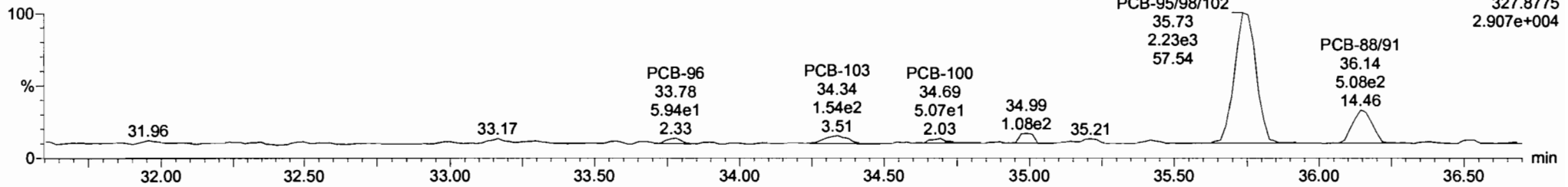
**PCB-96**

210517K3\_5



F3:Voltage SIR,EI+  
325.8804  
4.597e+004

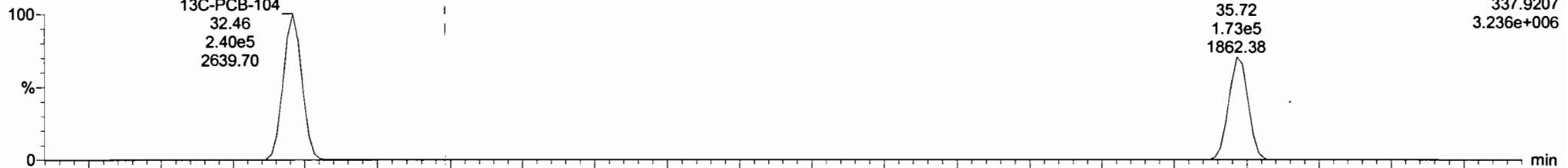
210517K3\_5



F3:Voltage SIR,EI+  
327.8775  
2.907e+004

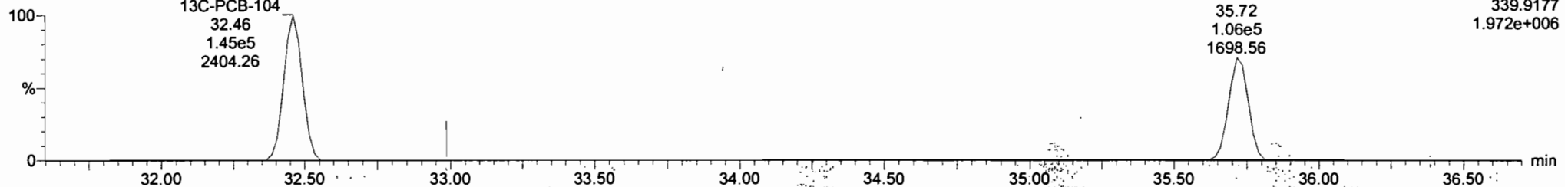
**13C-PCB-95**

210517K3\_5



F3:Voltage SIR,EI+  
337.9207  
3.236e+006

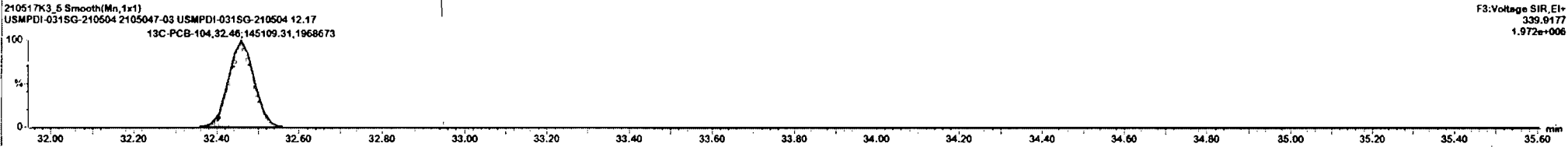
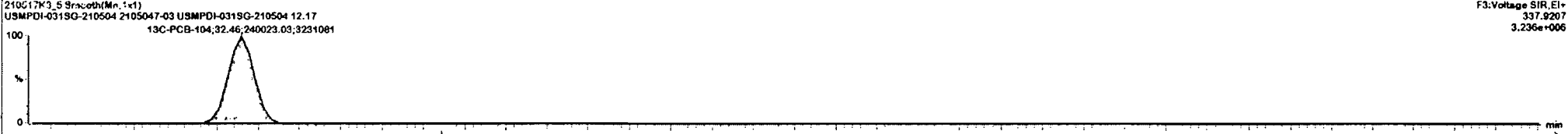
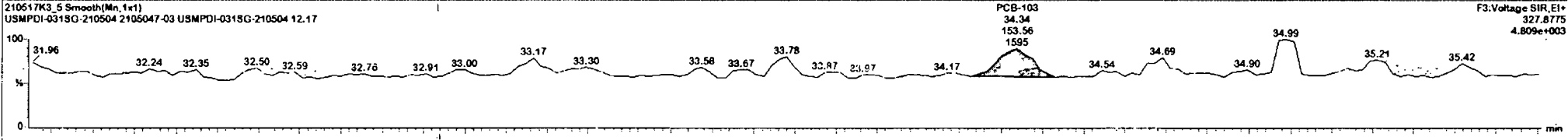
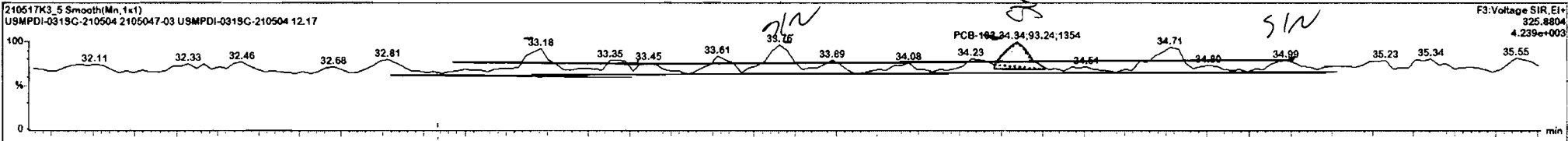
210517K3\_5



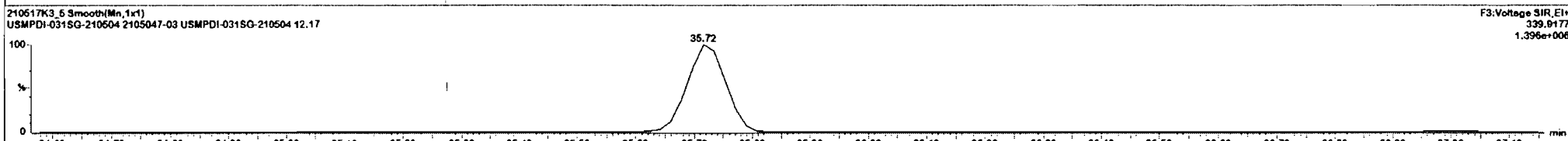
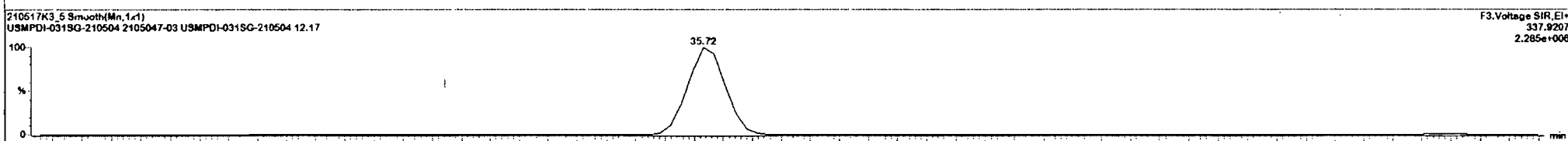
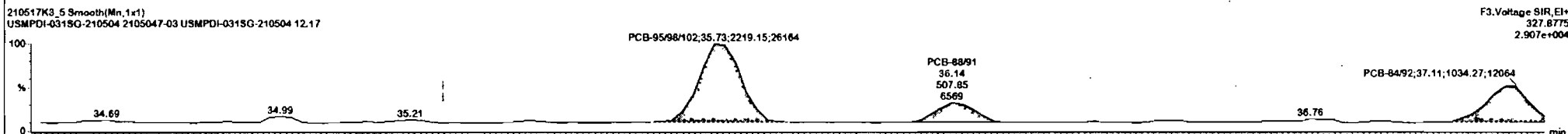
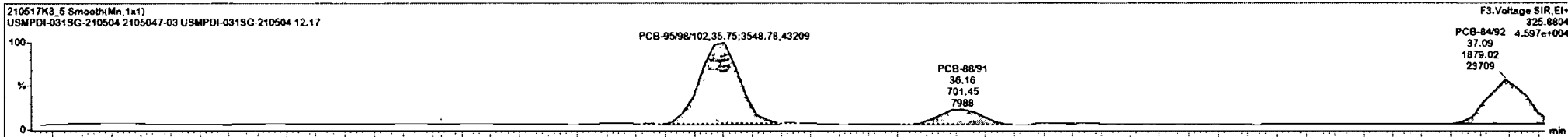
F3:Voltage SIR,EI+  
339.9177  
1.972e+006

210517K3\_5 - 2105047-03 USMPDI-031SG-210504 12.17 - USMPDI-031SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	ELPC	Conc.
1	71 PCB-88-51	36.14	36.16	7.014e2	5.079e2	1.560	1.38	NO	9.5470	9.5426
2	69 PCB-55-58/102	25.67	25.75	3.549e3	2.219e3	1.560	1.60	NO	36.709	36.709
3	66 PCB-103	34.36	34.34	9.324e1	1.536e2	1.560	0.61	YES	1.0340	0.00000
4	35 PCB-124	41.16	41.15	3.106e2	2.372e2	1.560	1.31	YES	2.4660	0.00000
5	38 PCB-82	40.43	40.44	4.602e2	2.059e2	1.560	2.23	YES	4.3130	0.00000
6	37 PCB-110	39.79	39.81	6.643e3	4.257e3	1.560	1.56	NO	57.594	57.594
7	36 PCB-120	39.64	39.62	1.051e2	1.223e2	1.560	0.86	YES	0.76200	0.00000
8	35 PCB-85/118	39.40	39.38	6.011e2	6.747e2	1.560	1.19	YES	6.4540	0.00000
9	34 PCB-111/115	39.26	39.29	1.012e2	4.607e1	1.560	2.20	YES	0.57800	0.00000
10	33 PCB-87/117/125	39.12	39.12	1.641e3	1.067e3	1.560	1.73	NO	17.193	17.193
11	31 PCB-97	38.82	38.82	1.251e3	6.820e2	1.560	1.63	YES	12.310	0.00000



#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	71 PCB-88/91	36.14	36.16	7.014e2	5.079e2	1.560	1.38	NO	9.5470	9.5496
2	69 PCB-95/98/102	35.67	35.75	3.549e3	2.219e3	1.560	1.60	NO	36.709	36.709
3	66 PCB-103	34.36	34.34	9.324e1	1.536e2	1.560	0.61	YES	1.0340	0.00000
4	39 PCB-124	41.16	41.15	3.106e2	2.372e2	1.560	1.31	YES	2.4660	0.00000
5	88 PCB-82	40.43	40.44	4.602e2	2.059e2	1.560	2.23	YES	4.3130	0.00000
6	87 PCB-110	39.79	39.81	8.643e3	4.257e3	1.560	1.56	NO	57.594	57.594
7	86 PCB-120	39.64	39.62	1.051e2	1.223e2	1.560	0.86	YES	0.76200	0.00000
8	85 PCB-85/116	39.40	39.38	8.011e2	6.747e2	1.560	1.19	YES	8.4540	0.00000
9	54 PCB-111/115	39.28	39.29	1.012e2	4.607e1	1.560	2.20	YES	0.57800	0.00000
10	83 PCB-87/117/125	29.12	29.12	1.841e3	1.067e3	1.560	1.73	NO	17.193	17.193
11	81 PCB-57	38.82	38.82	1.251e3	6.620e2	1.560	1.63	YES	12.310	0.00000



Dataset: Untitled

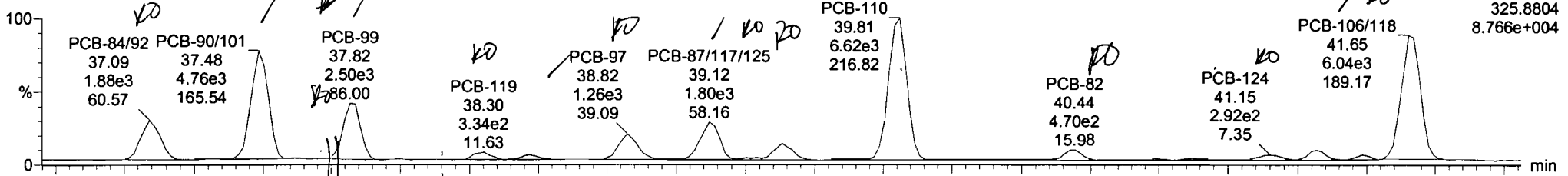
Last Altered: Tuesday, May 18, 2021 09:40:48 Pacific Daylight Time

Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

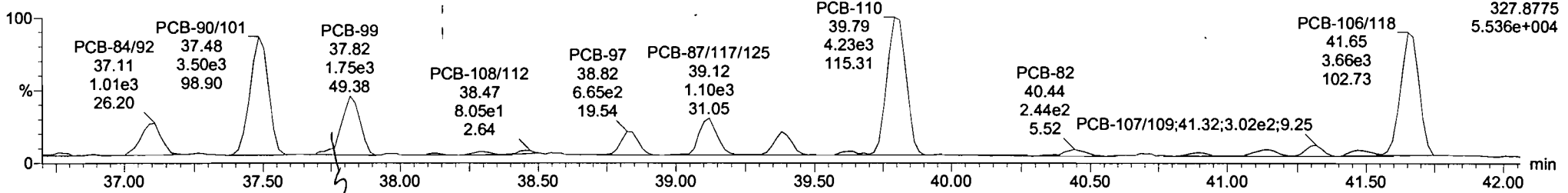
Name: 210517K3\_5, Date: 18-May-2021, Time: 07:06:08, ID: 2105047-03 USMPDI-031SG-210504 12.17, Description: USMPDI-031SG-210504

PCB-119

210517K3\_5

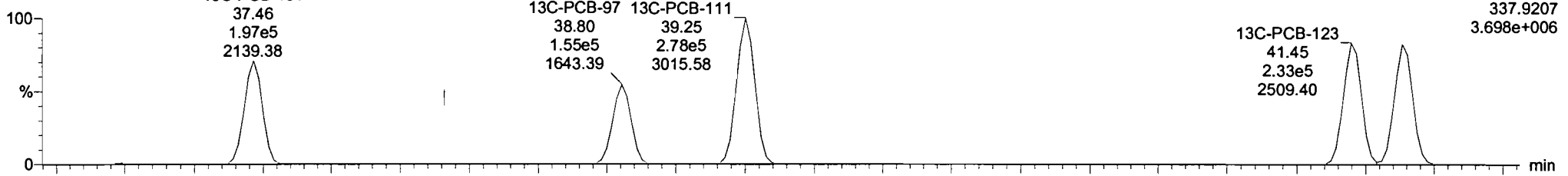


210517K3\_5

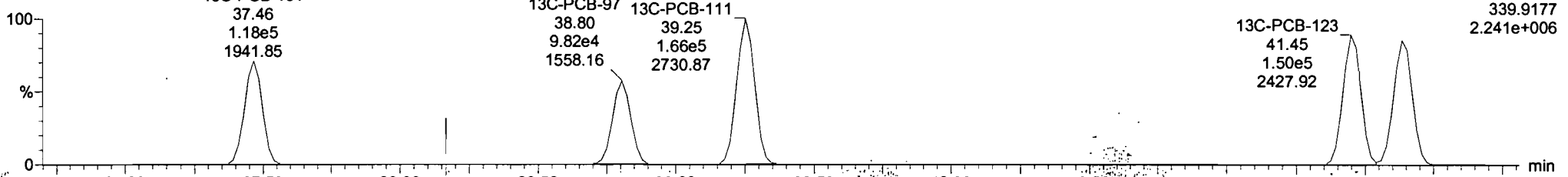


13C-PCB-111

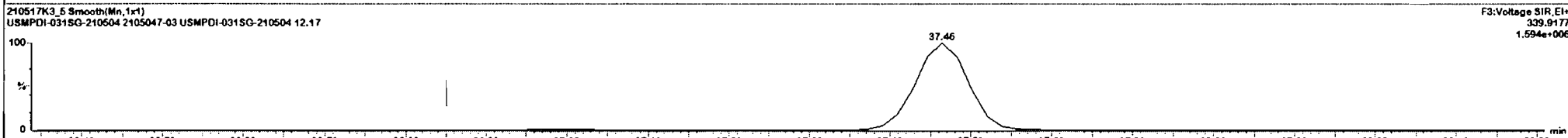
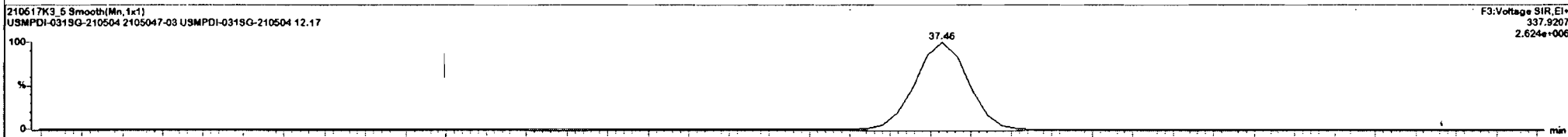
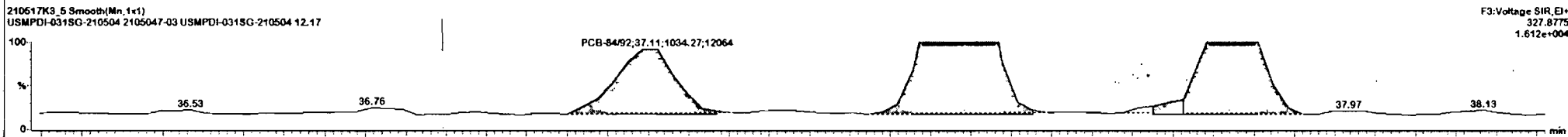
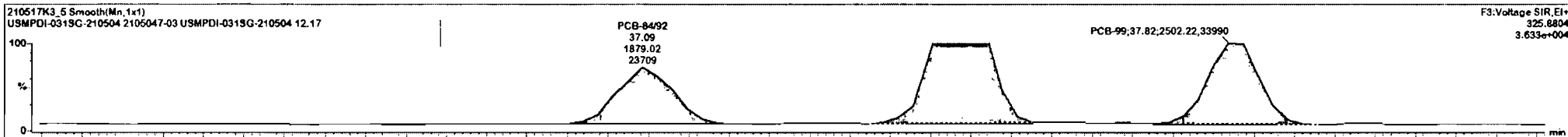
210517K3\_5



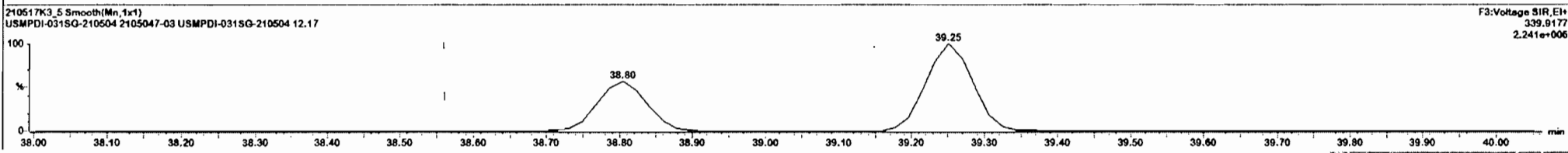
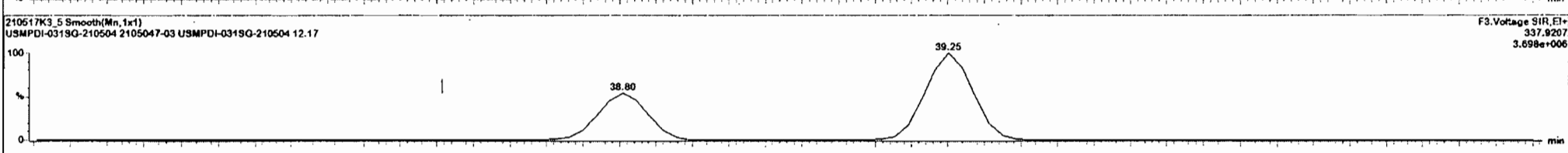
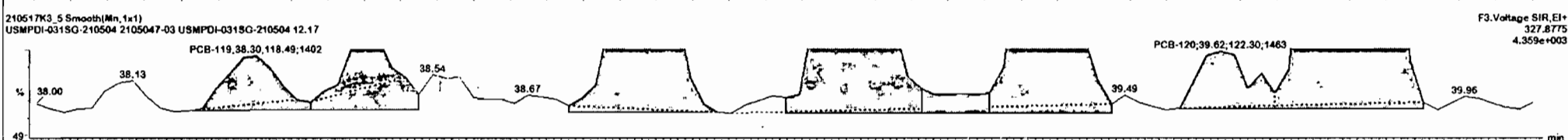
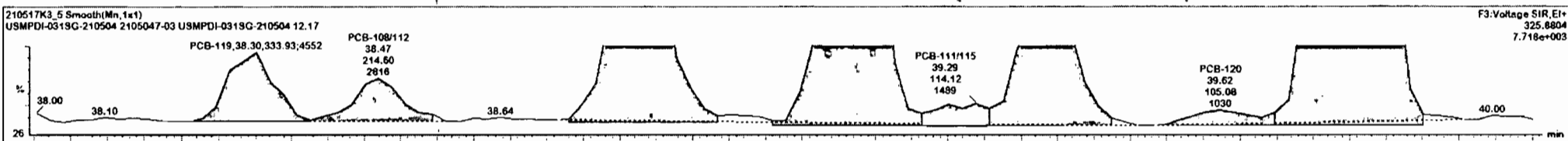
210517K3\_5



#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	71 PCB-86/91	36.14	36.16	7.014e2	5.079e2	1.560	1.38	NO	9.5470	9.5456
2	59 PCB-95/96/102	35.67	35.75	3.549e3	2.219e3	1.560	1.60	NO	38.709	38.709
3	66 PCB-103	34.36	34.34	9.324e1	1.536e2	1.560	0.61	YES	1.0340	0.00000
4	79 PCB-124	41.16	41.15	3.106e2	2.372e2	1.560	1.31	YES	2.4565	0.00000
5	86 PCB-82	40.43	40.44	4.602e2	2.059e2	1.560	2.23	YES	4.3130	0.00000
6	97 PCB-110	39.79	39.81	6.649e3	4.257e3	1.560	1.58	NO	57.594	57.594
7	86 PCB-120	39.64	39.62	1.051e2	1.223e2	1.560	0.86	YES	0.76206	0.00000
8	82 PCB-85/116	39.40	39.38	6.011e2	6.747e2	1.560	1.19	YES	6.4540	0.00000
9	84 PCB-111/115	39.28	39.29	1.012e2	4.607e1	1.560	2.20	YES	0.57800	0.00000
10	83 PCB-87/117/125	39.12	39.12	1.841e3	1.067e3	1.560	1.73	NO	17.193	17.193
11	81 PCB-97	38.82	38.82	1.251e3	6.820e2	1.560	1.83	YES	12.310	0.00000



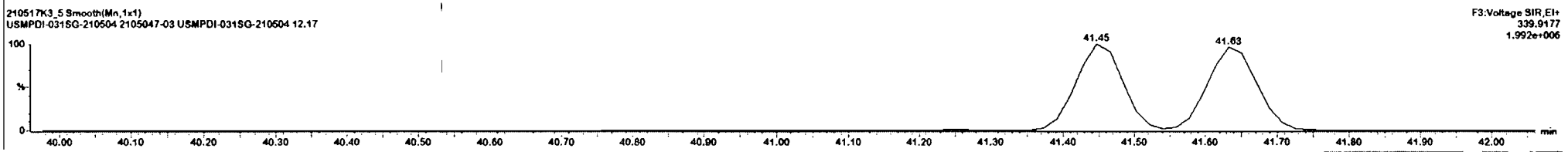
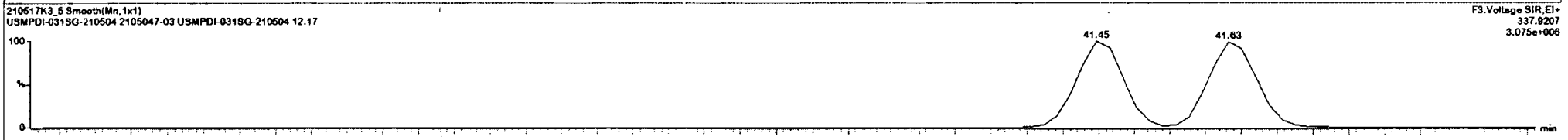
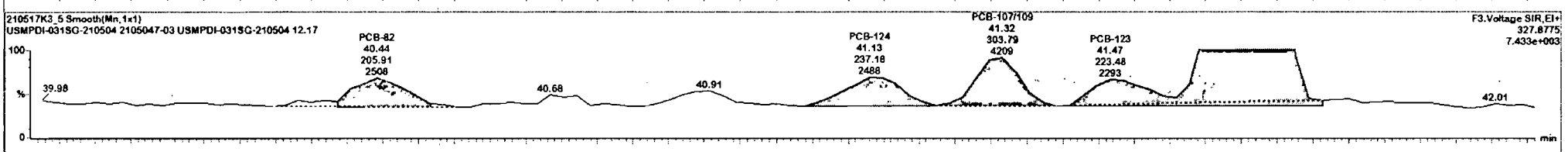
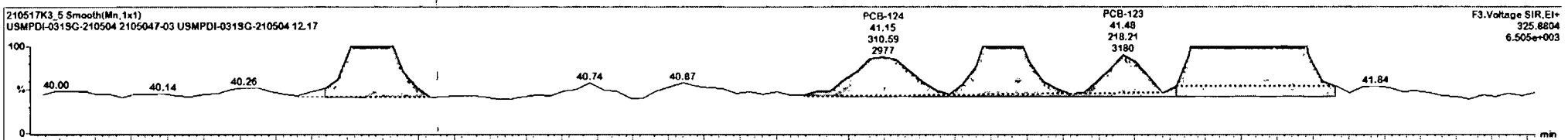
#	Name	Pred. RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	My	EMPC	Conc.
1	71 PCB-88/91	36.14	36.16	7.014e2	5.079e2	1.560	1.36	NO	9.5465	9.5496
2	69 PCB-95/96/102	35.67	35.75	3.549e3	2.219e3	1.560	1.60	NO	36.709	36.709
3	66 PCB-103	34.36	34.34	9.324e1	1.536e2	1.560	0.61	YES	1.0337	0.00000
4	29 PCB-124	41.16	41.15	3.106e2	2.372e2	1.560	1.31	YES	2.4657	0.00000
5	38 PCB-82	40.43	40.44	4.602e2	2.059e2	1.560	2.24	YES	4.3129	0.00000
6	37 PCB-110	39.79	39.81	6.643e3	4.257e3	1.560	1.56	NO	57.594	57.594
7	86 PCB-120	39.64	39.62	1.051e2	1.223e2	1.560	0.86	YES	0.76222	0.00000
8	25 PCB-85/116	39.40	39.38	8.011e2	6.747e2	1.560	1.19	YES	6.4536	0.00000
9	33 PCB-87/117/125	39.12	39.12	1.841e3	1.067e3	1.560	1.73	NO	17.193	17.193
10	81 PCB-97	38.82	38.82	1.251e3	6.820e2	1.560	1.83	YES	12.210	0.00000
11	75 PCB-108/112	38.46	38.47	2.146e2	1.607e2	1.560	1.34	NO	2.3870	2.3870





210517K3\_5 - 2105047-03 USMPDI-031SG-210504 12.17 - USMPDI-031SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	nY	EMPC	Conc.
1	71 PCB-88-91	36.14	36.16	7.014e2	5.079e2	1.560	1.36	NO	9.5466	9.5496
2	69 PCB-95-96/102	35.67	35.75	3.549e3	2.219e3	1.560	1.60	NO	38.709	38.709
3	66 PCB-103	34.36	34.34	9.324e1	1.536e2	1.560	0.61	YES	1.0337	0.00000
4	59 PCB-124	41.16	41.15	3.106e2	2.372e2	1.560	1.31	YES	2.4357	0.00000
5	88 PCB-82	40.43	40.44	4.602e2	2.059e2	1.560	2.24	YES	4.3129	0.00000
6	87 PCB-110	39.79	39.81	6.643e3	4.267e3	1.560	1.56	NO	57.594	57.594
7	86 PCB-120	39.64	39.62	1.051e2	1.223e2	1.560	0.86	YES	0.76222	0.00000
8	85 PCB-85/116	39.40	39.28	6.011e2	6.747e2	1.560	1.19	YES	8.4538	0.00000
9	83 PCB-87/117/125	39.12	39.12	1.841e3	1.067e3	1.560	1.73	NO	17.193	17.193
10	81 PCB-97	38.82	38.82	1.251e3	6.620e2	1.560	1.63	YES	12.310	0.00000
11	79 PCB-108/112	38.46	38.47	2.146e2	1.507e2	1.560	1.34	NO	2.3370	2.3870



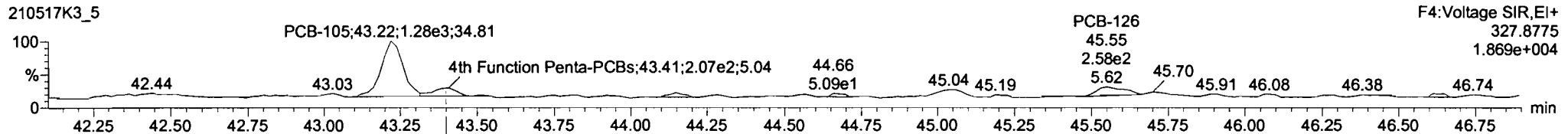
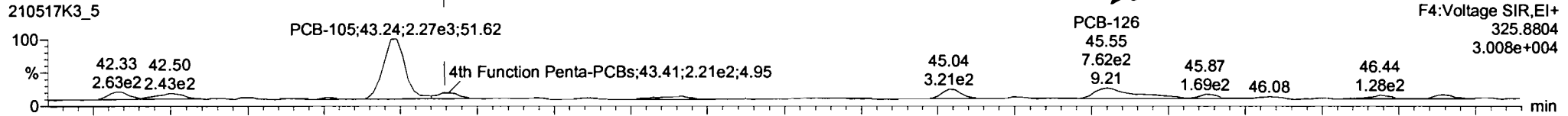
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Last Altered: Tuesday, May 18, 2021 09:40:48 Pacific Daylight Time

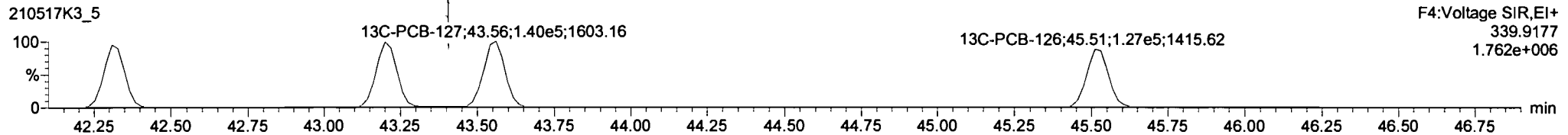
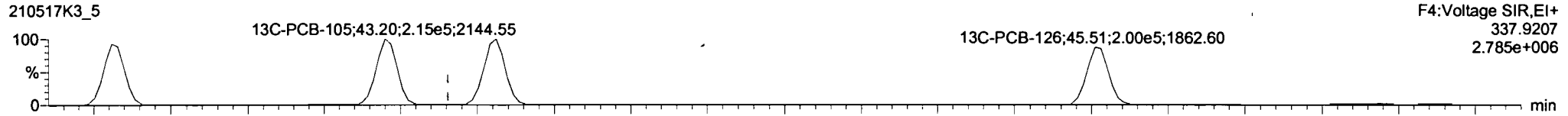
Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

Name: 210517K3\_5, Date: 18-May-2021, Time: 07:06:08, ID: 2105047-03 USMPDI-031SG-210504 12.17, Description: USMPDI-031SG-210504

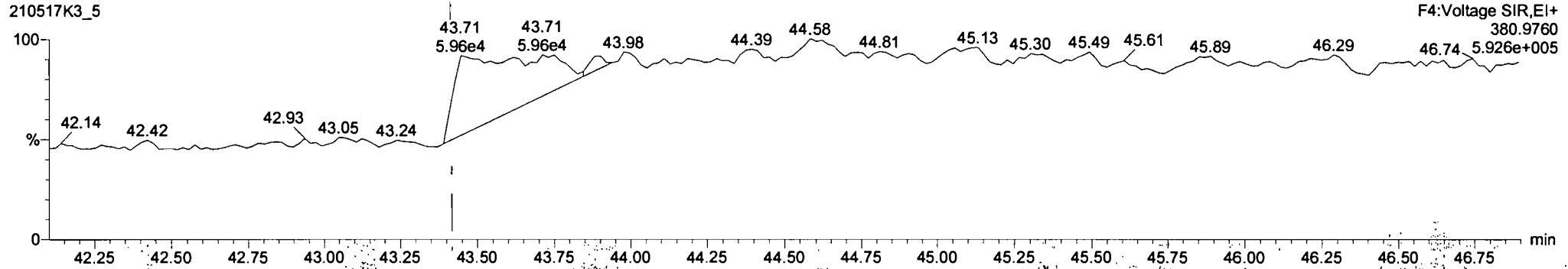
**PCB-114**



**13C-PCB-114**

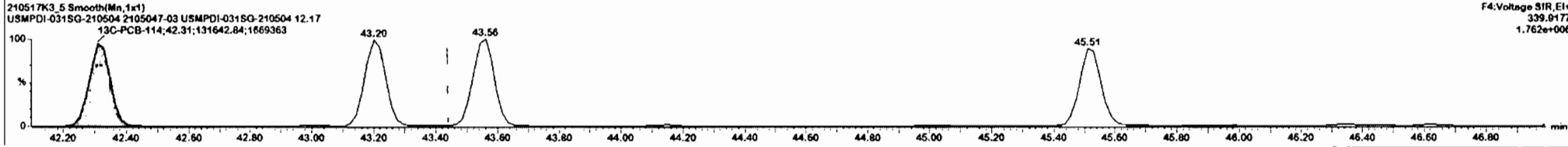
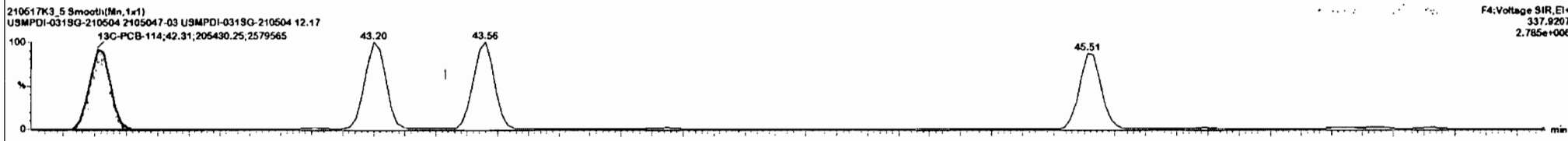
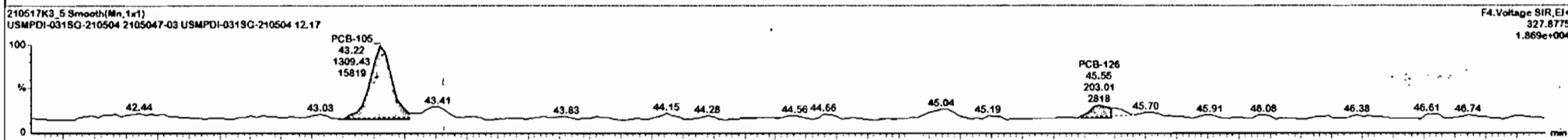
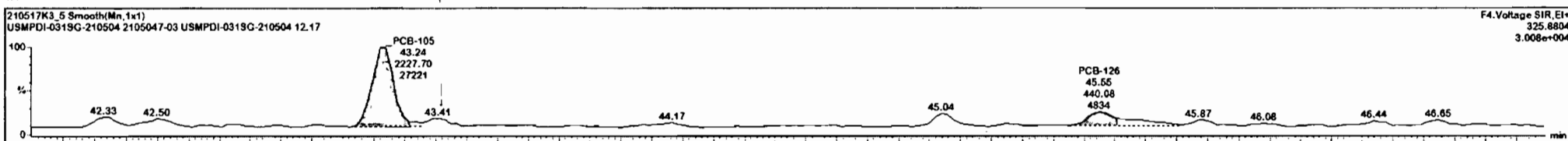


**PFK4a**



210517K3\_5 - 2105047-03 USMPDI-031SG-210504 12 17 - USMPDI-031SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	m/y	EMPC	Conc.
1	95 PCB-105	43.22	43.24	2.228e3	1.309e3	1.550	1.70	NO	19.872	19.672
2	97 PCB-126	45.53	45.55	4.401e2	2.030e2	1.560	2.17	YES	2.751E	0.00000



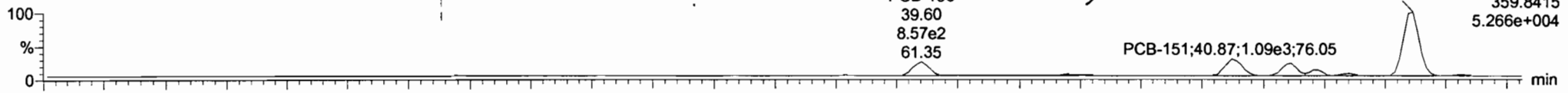
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Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

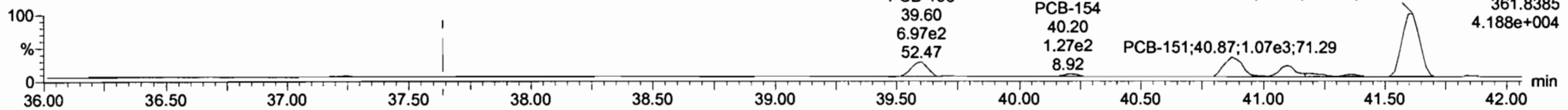
Name: 210517K3\_5, Date: 18-May-2021, Time: 07:06:08, ID: 2105047-03 USMPDI-031SG-210504 12.17, Description: USMPDI-031SG-210504

**PCB-155**

210517K3\_5

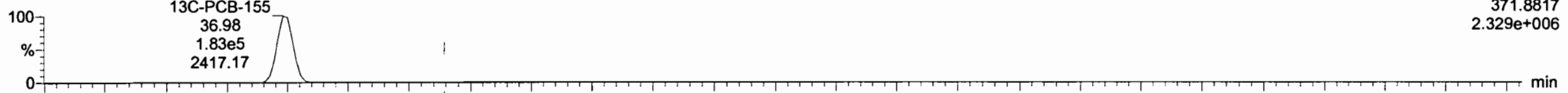


210517K3\_5

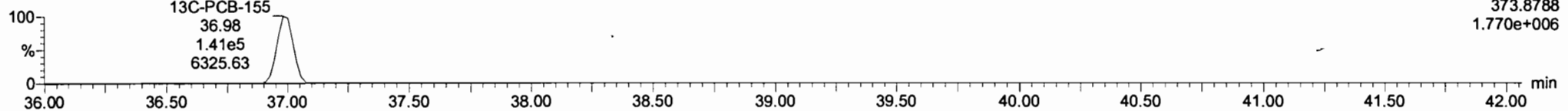


**13C-PCB-155**

210517K3\_5

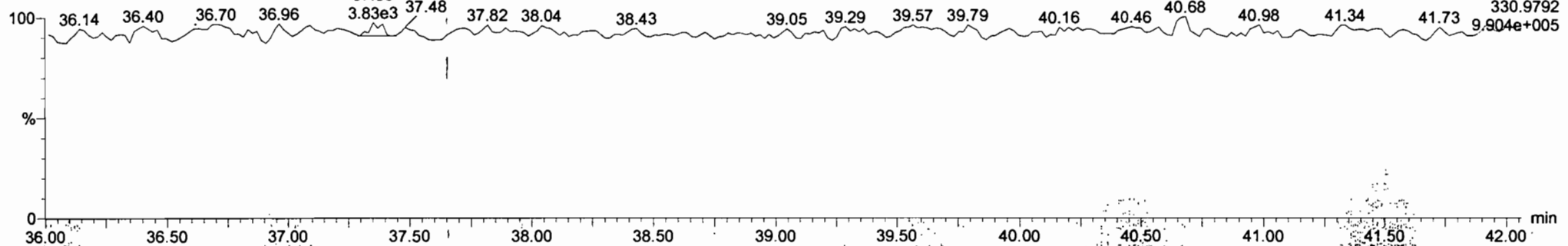


210517K3\_5

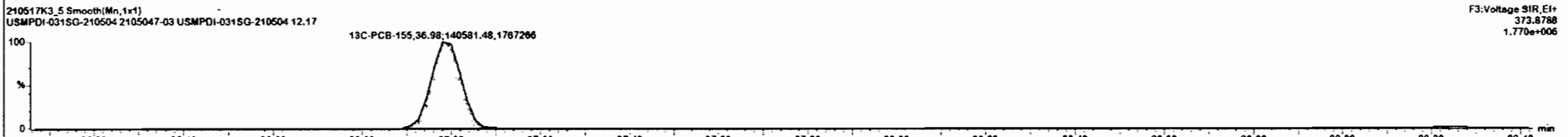
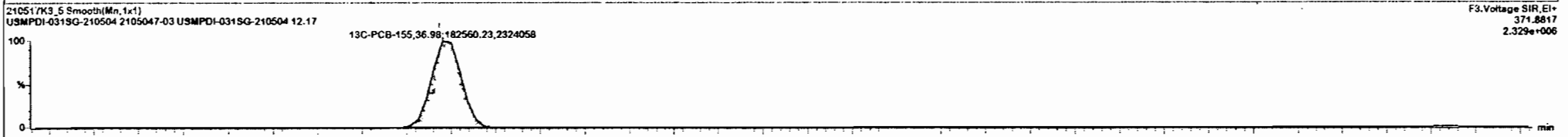
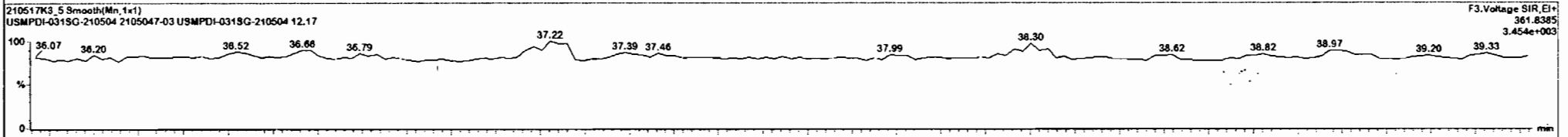
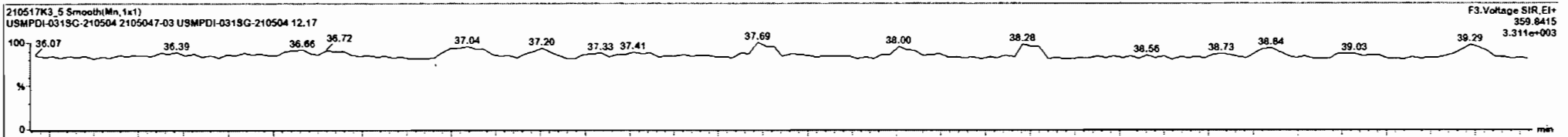


**PFK3c**

210517K3\_5



#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	nY	EMPC	Conc.
1	102 PCB-136	39.60	39.60	8.573e2	7.025e2	1.240	1.22	NO	10.979	10.979
2	104 PCB-154	40.22	40.20	1.286e2	1.187e2	1.240	1.06	NO	2.1256	2.1256
3	105 PCB-151	40.87	40.87	1.073e3	1.026e3	1.240	1.05	YES	17.808	0.00000
4	106 PCB-135	41.09	41.11	7.275e2	5.471e2	1.240	1.33	NO	10.926	10.926
5	107 PCB-144	41.20	41.21	3.123e2	1.633e2	1.240	1.91	YES	3.2781	0.00000
6	108 PCB-147	41.25	41.25	1.224e2	1.063e2	1.240	1.15	NO	1.9381	1.9381
7	109 PCB-139/149	41.61	41.61	3.888e3	3.350e3	1.240	1.16	NO	58.010	58.010



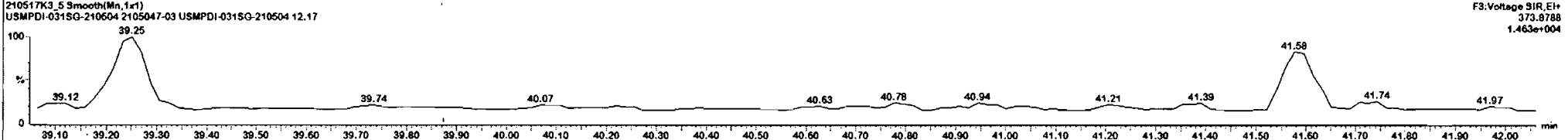
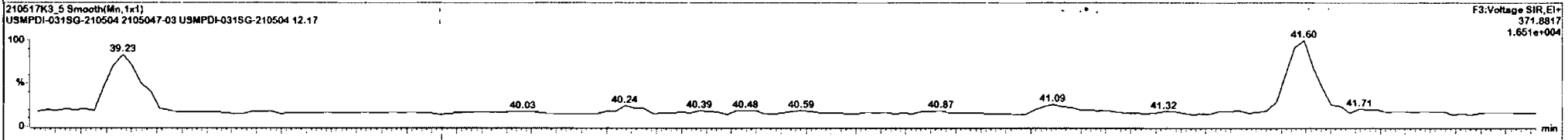
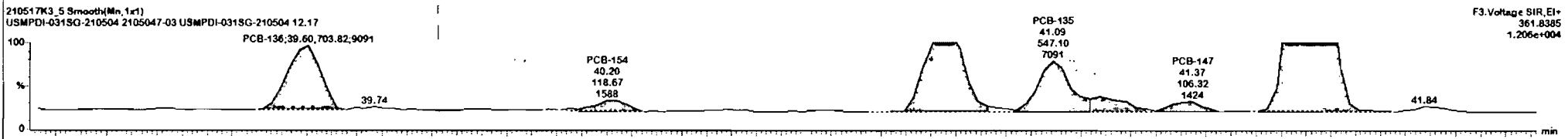
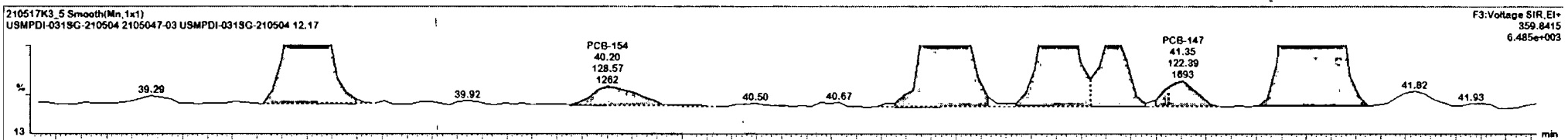
Ready

210517K3\_5

CAP NUM

210517K3\_5 - 2105047-03 USMPDI-031SG-210504 12.17 - USMPDI-031SG-210504

#7	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	102 PCB-136	39.60	39.60	8.573e2	7.038e2	1.240	1.22	NO	10.579	10.578
2	104 PCB-154	40.22	40.20	1.286e2	1.187e2	1.240	1.08	NO	2.125E	2.125E
3	105 PCB-151	40.87	40.87	1.073e3	1.026e3	1.240	1.05	YES	17.80E	0.00000
4	106 PCB-135	41.09	41.11	2.279e2	5.471e2	1.240	1.33	NO	10.92E	10.52E
5	107 PCB-144	41.20	41.21	3.122e2	1.623e2	1.240	1.91	YES	3.278E	0.00000
6	108 PCB-147	41.35	41.35	1.224e2	1.083e2	1.240	1.15	NO	1.988E	1.988E
7	109 PCB-136/149	41.61	41.61	3.888e3	3.350e3	1.240	1.1E	NO	58.010	58.010

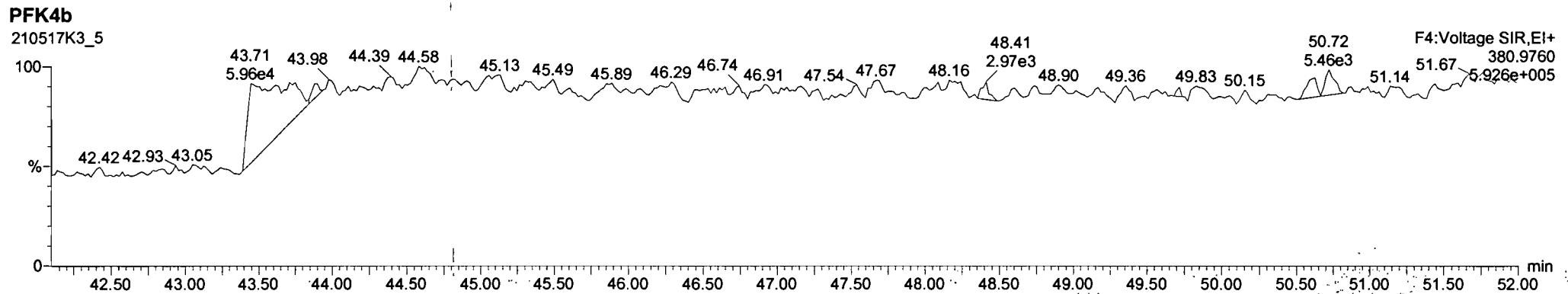
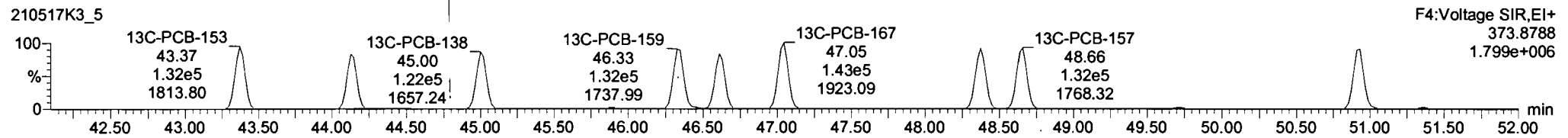
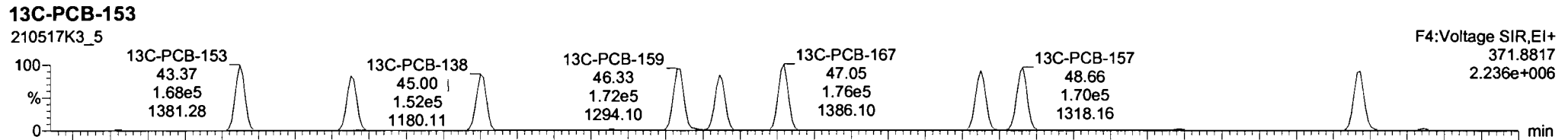
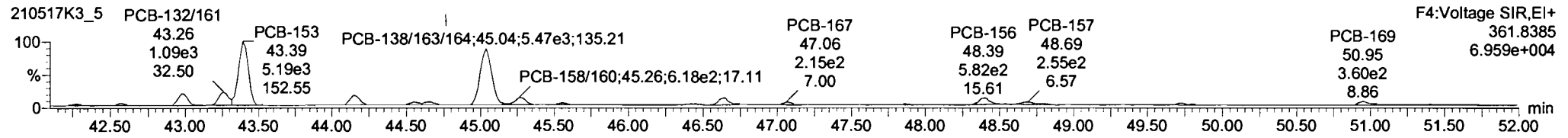
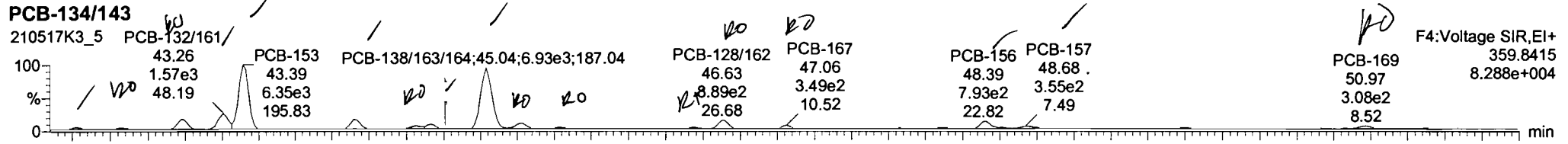


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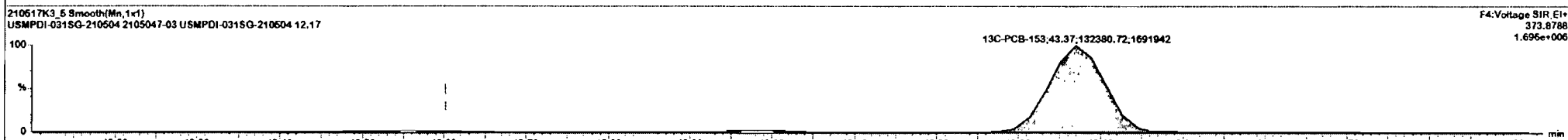
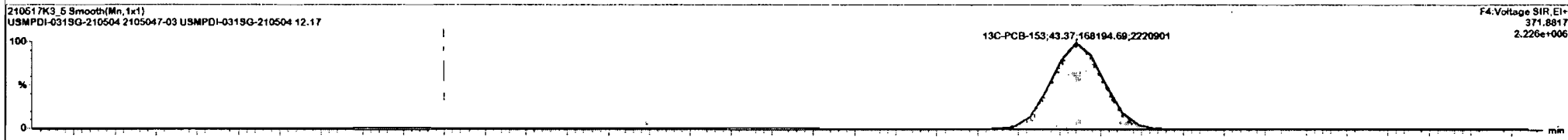
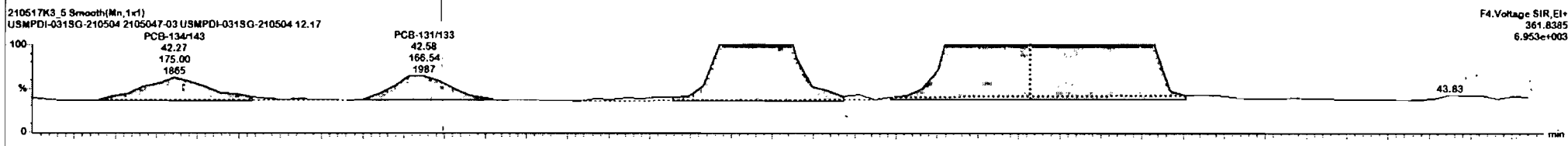
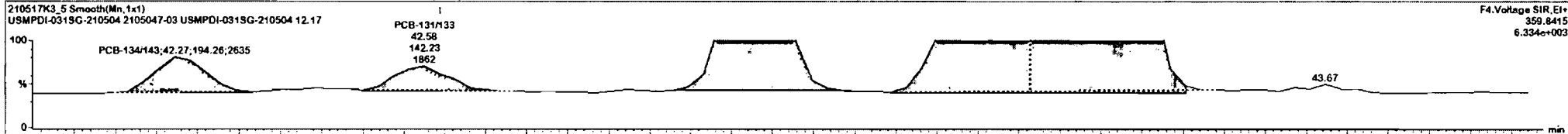
Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

Name: 210517K3\_5, Date: 18-May-2021, Time: 07:06:08, ID: 2105047-03 USMPDI-031SG-210504 12.17, Description: USMPDI-031SG-210504



210517K3\_5 - 2105047-03 USMPDI-031SG-210504 12.17 - USMPDI-031SG-210504

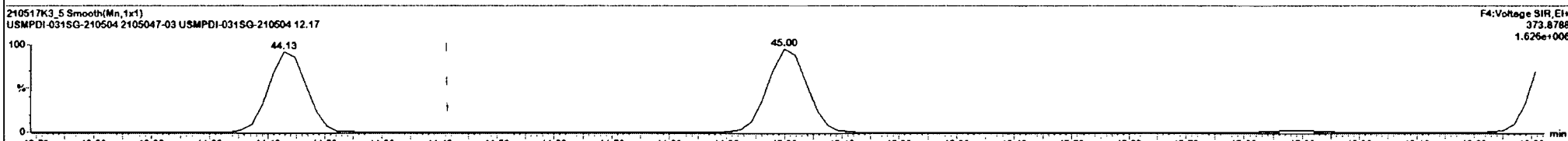
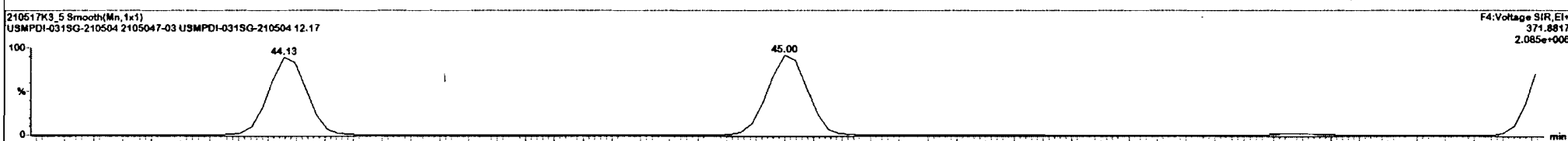
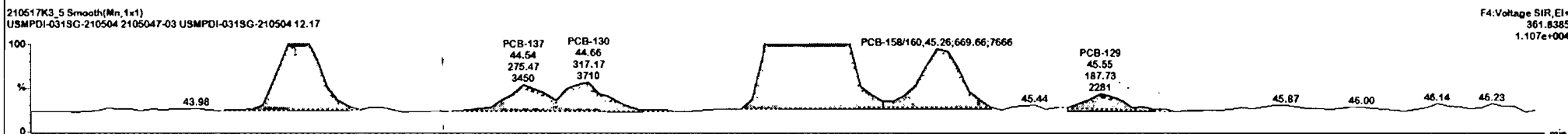
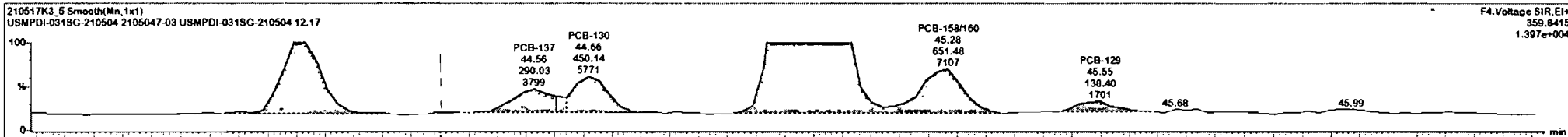
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	111 PCB-134/143	42.27	42.27	1.943e2	1.750e2	1.240	1.11	NO	3.4274	3.4274
2	112 PCB-131/133	42.57	42.58	1.422e2	1.665e2	1.240	0.85	YES	2.2296	0.00000
3	114 PCB-146/165	42.97	42.97	5.830e2	1.006e3	1.240	0.98	YES	12.538	0.00000
4	115 PCB-132/161	43.22	43.26	1.577e3	1.133e3	1.240	1.39	NO	18.862	18.862
5	116 PCB-153	43.41	43.39	6.376e3	5.241e2	1.240	1.22	NO	78.158	78.158
6	118 PCB-141	44.15	44.15	9.423e2	5.157e2	1.240	1.16	NO	14.458	14.458
7	119 PCB-137	44.54	44.56	2.900e2	2.755e2	1.240	1.05	YES	4.2403	0.00000
8	120 PCB-130	44.66	44.68	4.501e2	3.172e2	1.240	1.42	NO	7.3290	7.3290
9	121 PCB-135/163/164	45.06	45.04	6.529e3	5.475e3	1.240	1.27	NO	78.773	76.773
10	122 PCB-158/160	45.30	45.28	6.515e2	6.897e2	1.240	0.97	YES	7.5718	0.00000
11	123 PCB-129	45.55	45.55	1.364e2	1.677e2	1.240	0.74	YES	2.2693	0.00000





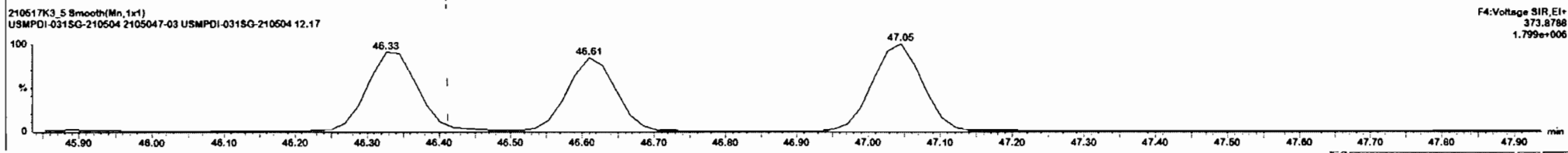
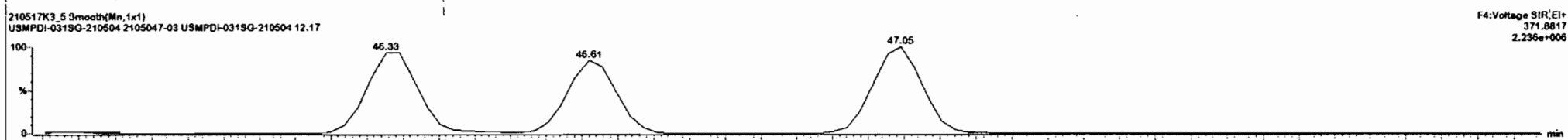
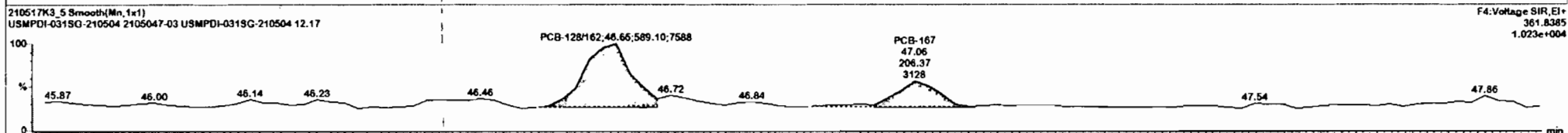
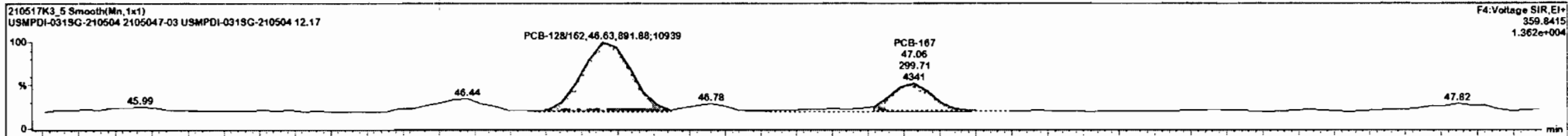
210517K3\_5 - 2105047-03 USMPDI-031SG-210504 12.17 - USMPDI-031SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	111 PCB-134/143	42.27	42.27	1.943e2	1.750e2	1.240	1.11	NO	3.4274	3.4274
2	112 PCB-131/133	42.57	42.58	1.422e2	1.665e2	1.240	0.85	YES	2.2296	0.00000
3	114 PCB-148/165	42.97	42.97	9.830e2	1.006e3	1.240	0.98	YES	12.538	0.00000
4	115 PCB-132/161	43.22	43.26	1.577e3	1.133e3	1.240	1.39	NO	18.982	18.882
5	116 PCB-153	43.41	43.39	6.376e3	5.241e3	1.240	1.22	NO	76.158	76.156
6	118 PCB-141	44.15	44.15	9.423e2	8.157e2	1.240	1.16	NO	14.456	14.456
7	119 PCB-137	44.54	44.56	2.900e2	2.755e2	1.240	1.05	YES	4.2403	0.00000
8	120 PCB-130	44.68	44.59	4.501e2	3.172e2	1.240	1.42	NO	7.3290	7.3290
9	121 PCB-138/163/164	45.06	45.04	6.939e3	5.475e3	1.240	1.27	NO	78.773	76.773
10	122 PCB-158/160	45.20	45.28	6.515e2	6.897e2	1.240	0.97	YES	7.5718	0.00000
11	123 PCB-129	45.55	45.55	1.364e2	1.877e2	1.240	0.74	YES	2.2693	0.00000



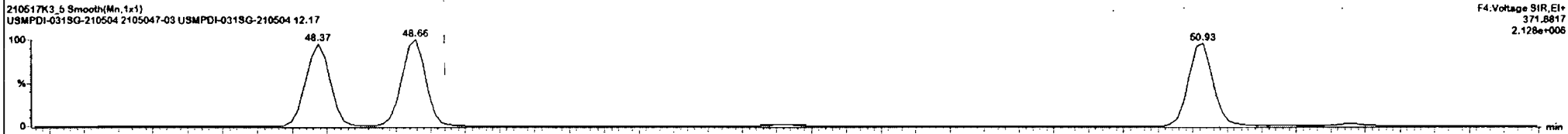
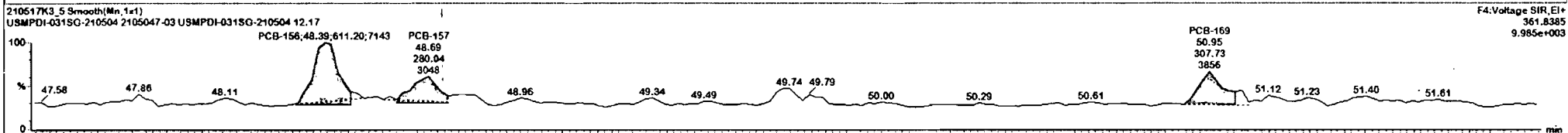
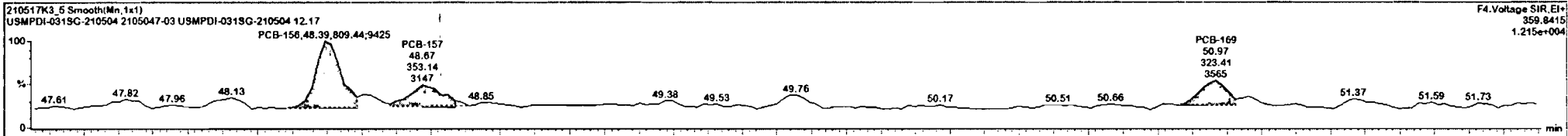
210517K3\_5 - 2105047-03 USMPDI-031SG-210504 12.17 - USMPDI-031SG-210504

#	Name	Pred. RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	111 PCB-134/143	42.27	42.27	1.943e2	1.755e2	1.240	1.11	NO	3.4274	3.4274
2	112 PCB-131/133	42.57	42.58	1.422e2	1.665e2	1.240	0.85	YES	2.2296	0.00000
3	114 PCB-146/165	42.97	42.97	9.830e2	1.006e3	1.240	0.98	YES	12.538	0.00000
4	115 PCB-132/161	43.22	43.26	1.577e3	1.133e3	1.240	1.39	NO	18.862	18.862
5	116 PCB-153	43.41	43.39	6.376e3	5.241e3	1.240	1.22	NO	78.156	78.156
6	118 PCB-141	44.15	44.15	9.423e2	8.157e2	1.240	1.16	NO	14.456	14.456
7	119 PCB-137	44.54	44.56	2.900e2	2.755e2	1.240	1.05	YES	4.2403	0.00000
8	120 PCB-130	44.86	44.69	4.501e2	3.172e2	1.240	1.42	NO	7.3290	7.3290
9	121 PCB-138/163/164	45.06	45.04	6.539e3	5.475e3	1.240	1.27	NO	78.773	78.773
10	122 PCB-158/160	45.30	45.28	6.515e2	6.897e2	1.240	0.97	YES	7.5718	0.00000
11	123 PCB-129	45.55	45.55	1.384e2	1.677e2	1.240	0.74	YES	2.2693	0.00000



210517K3\_5 - 2105047-03 USMPDI-031SG-210504 12.17 - USMPDI-031SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>o</sup> Ratio (Pred)	RA	ivY	EMPC	Conc
1	111 PCB-134/143	42.27	42.27	1.943e2	1.750e2	1.240	1.11	NO	3.4273	3.4274
2	112 PCB-131/133	42.57	42.58	1.422e2	1.665e2	1.240	0.65	YES	2.2296	0.00000
3	114 PCB-146/165	42.97	42.97	9.830e2	1.006e3	1.240	0.98	YES	12.532	0.00000
4	115 PCB-132/161	43.22	43.26	1.577e3	1.133e3	1.240	1.29	NO	16.962	16.882
5	116 PCB-153	43.41	43.39	6.376e3	5.241e3	1.240	1.22	NO	78.158	78.156
6	118 PCB-141	44.15	44.15	5.423e2	8.157e2	1.240	1.16	NO	14.458	14.456
7	119 PCB-137	44.64	44.56	2.500e2	2.755e2	1.240	1.05	YES	4.2403	0.00000
8	120 PCB-130	44.66	44.66	4.501e2	3.172e2	1.240	1.42	NO	7.3290	7.3290
9	121 PCB-138/163/164	45.06	45.04	6.939e3	5.475e3	1.240	1.27	NO	78.773	78.773
10	122 PCB-158/160	45.20	45.28	6.515e2	6.897e2	1.240	0.97	YES	7.5718	0.00000
11	123 PCB-129	45.51	45.55	1.364e2	1.677e2	1.240	0.74	YES	2.2693	0.00000

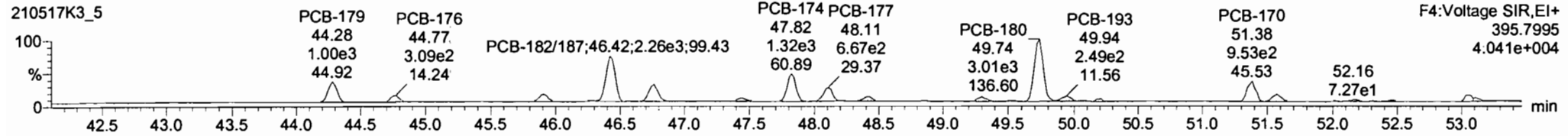
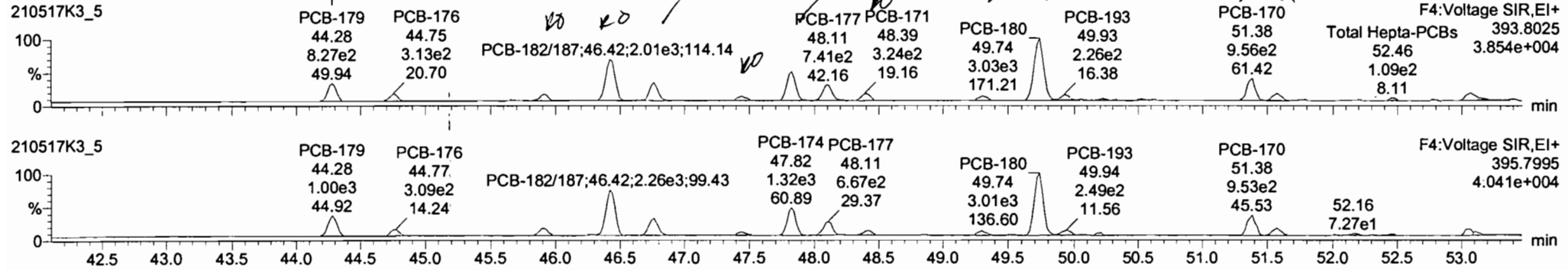


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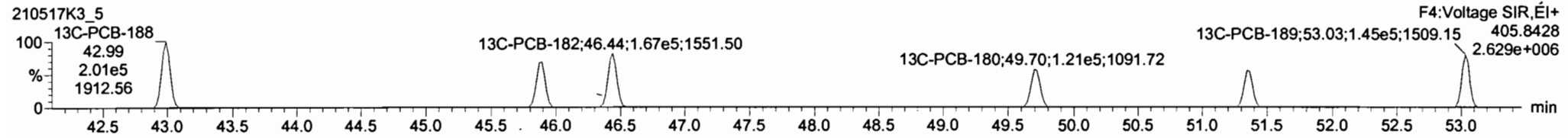
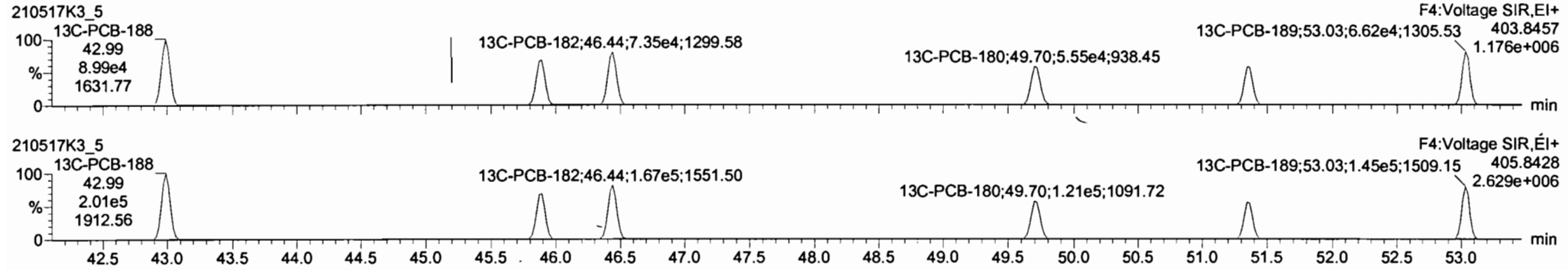
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Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

Name: 210517K3\_5, Date: 18-May-2021, Time: 07:06:08, ID: 2105047-03 USMPDI-031SG-210504 12.17, Description: USMPDI-031SG-210504

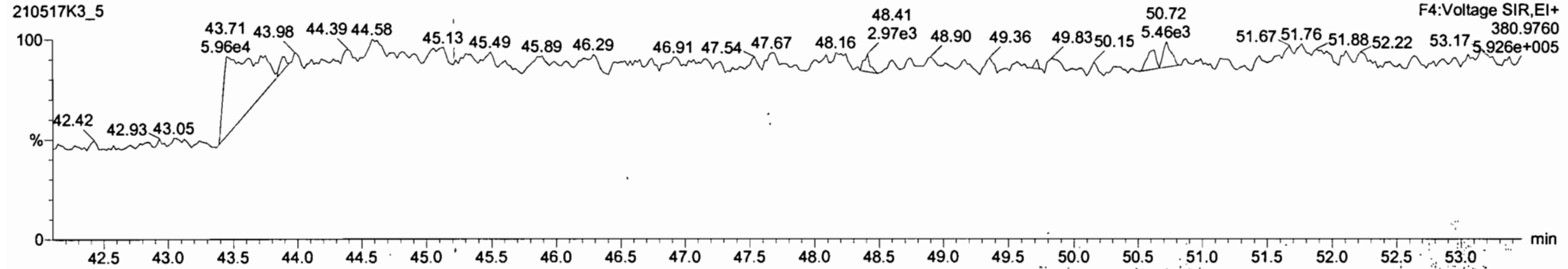
**PCB-188**



**13C-PCB-188**

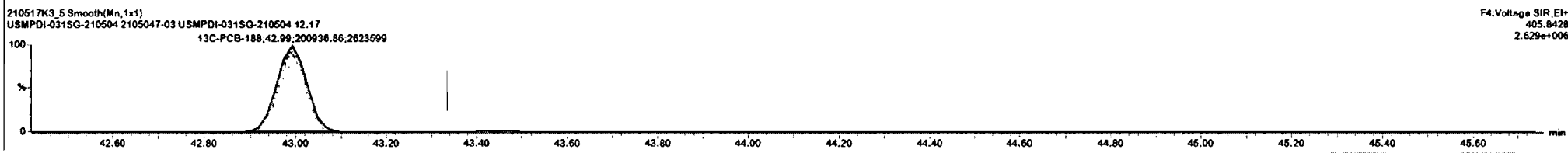
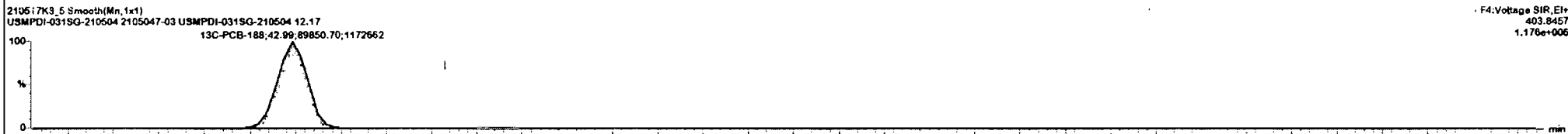
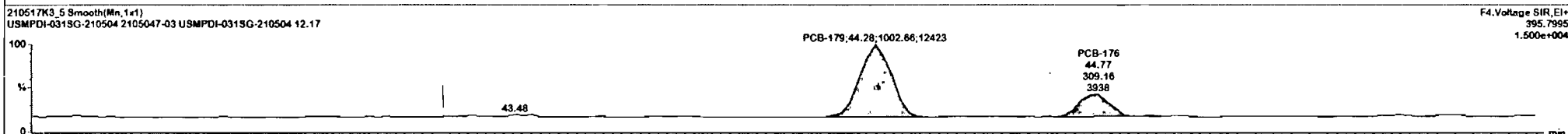
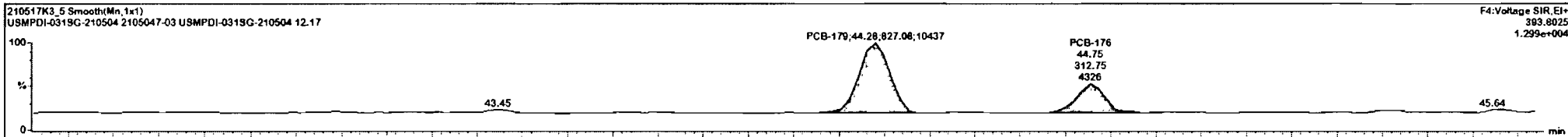


**PFK4c**

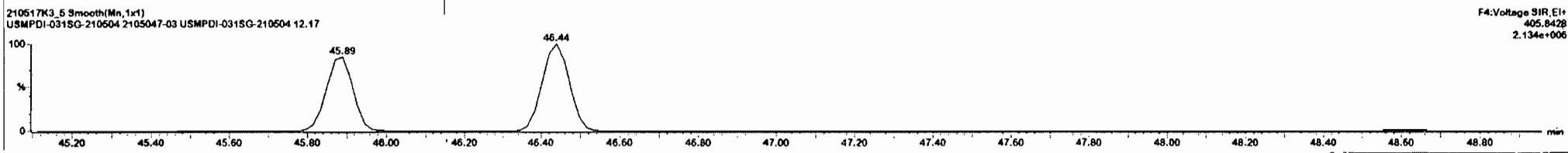
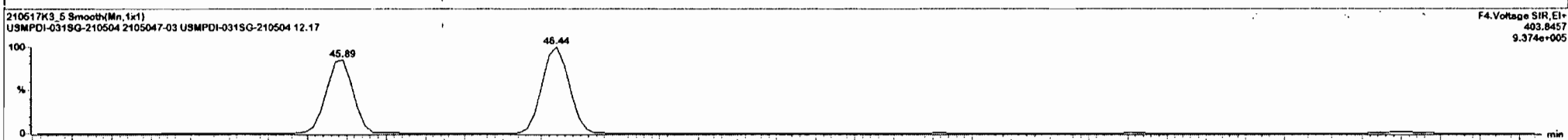
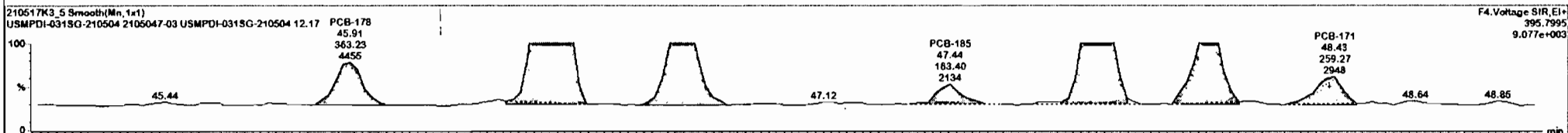
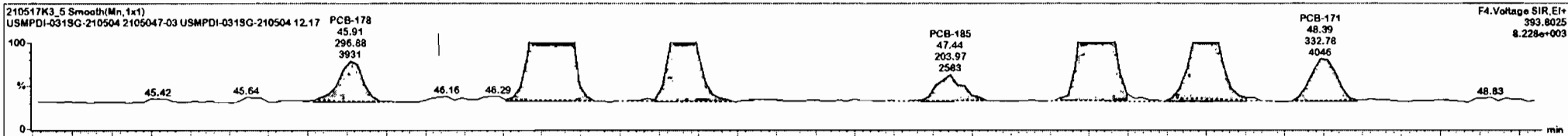


210517K3\_5 - 2105047-03 USMPDI-031SG-210504 12.17 - USMPDI-031SG-210504 1

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	m/y	EMPC	Conc.
1	133 PCB-175	44.28	44.28	8.271e2	1.003e3	1.050	0.02	YES	10.347	0.00000
2	134 PCB-176	44.75	44.75	3.129e2	3.052e2	1.050	1.01	NO	3.8479	3.8479
3	136 PCB-178	45.91	45.91	2.969e2	3.632e2	1.050	0.02	YES	4.8578	0.00000
4	138 PCB-182/187	46.44	46.42	2.030e3	2.280e3	1.050	0.09	YES	28.975	0.00000
5	139 PCB-183	46.76	46.76	7.897e2	8.663e2	1.050	0.91	NO	12.528	12.528
6	140 PCB-185	47.42	47.44	2.040e3	1.634e2	1.050	1.25	YES	3.0490	0.00000
7	141 PCB-174	47.80	47.82	1.306e3	1.280e3	1.050	1.02	NO	24.485	24.485
8	143 PCB-177	48.05	48.11	7.832e2	6.935e2	1.050	1.13	NO	14.681	14.681
9	144 PCB-171	48.25	48.29	3.328e2	2.593e2	1.050	1.28	YES	4.9530	0.00000
10	146 PCB-172	49.30	49.30	2.062e2	2.191e2	1.050	0.94	NO	3.8388	3.8388
11	148 PCB-180	49.72	49.74	3.031e3	3.031e3	1.050	1.00	NO	52.852	52.852

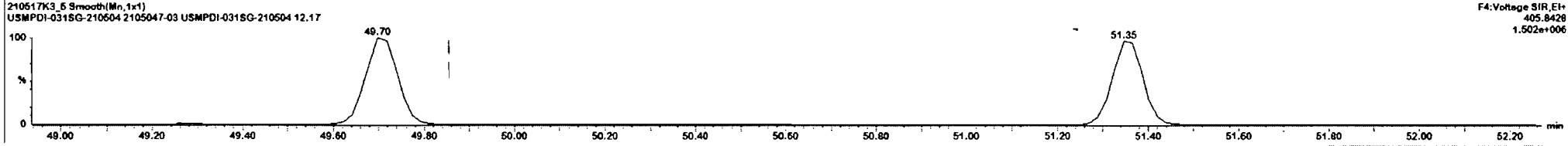
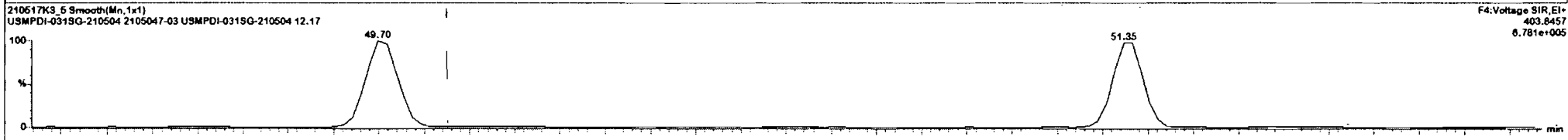
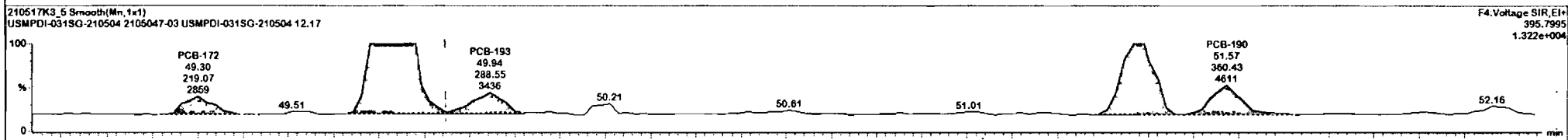
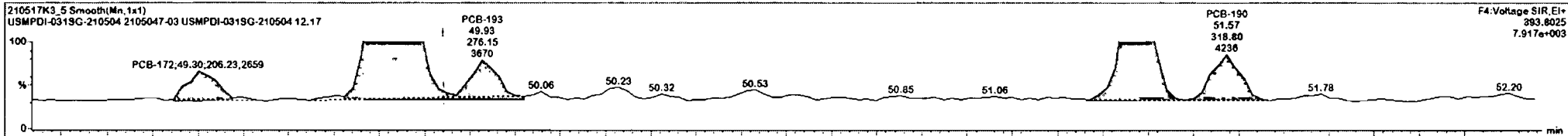


#	Name	Pred RT	RT	m1 Resc	m2 Resc	1 <sup>o</sup> Ratio (Pred)	RA	n/y	EHPC	Conc.
1	123 PCB-179	44.28	44.28	8.271e2	1.003e3	1.050	0.82	YES	10.347	0.00000
2	124 PCB-176	44.75	44.75	3.128e2	3.092e2	1.050	1.01	NO	3.8479	3.8479
3	126 PCB-178	45.91	45.91	2.969e2	3.632e2	1.050	0.82	YES	4.8078	0.00000
4	138 PCB-182/187	46.44	46.42	2.030e3	2.230e3	1.050	0.89	YES	28.975	0.00000
5	139 PCB-183	46.76	46.76	7.897e2	8.663e2	1.050	0.91	NO	12.528	12.528
6	140 PCB-185	47.42	47.44	2.040e2	1.634e2	1.050	1.25	YES	3.0690	0.00000
7	141 PCB-174	47.80	47.82	1.306e3	1.280e3	1.050	1.02	NO	24.485	24.485
8	143 PCB-177	48.09	48.11	7.832e2	8.935e2	1.050	1.13	NO	14.881	14.881
9	144 PCB-171	48.29	48.29	3.328e2	2.593e2	1.050	1.28	YES	4.9530	0.00000
10	146 PCB-172	49.30	49.30	2.062e2	2.191e2	1.050	0.94	NO	3.8388	3.8388
11	148 PCB-186	49.72	49.74	3.031e3	3.031e3	1.050	1.00	NO	52.852	52.852



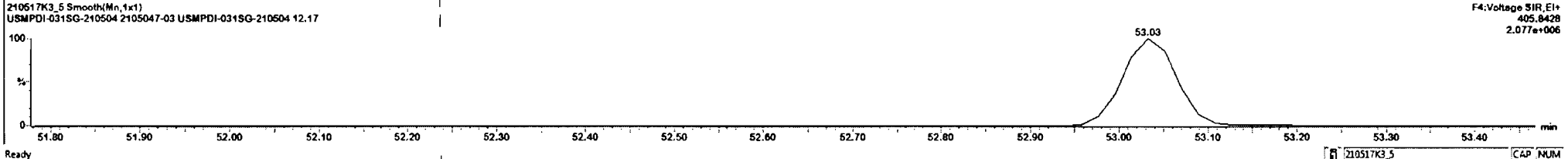
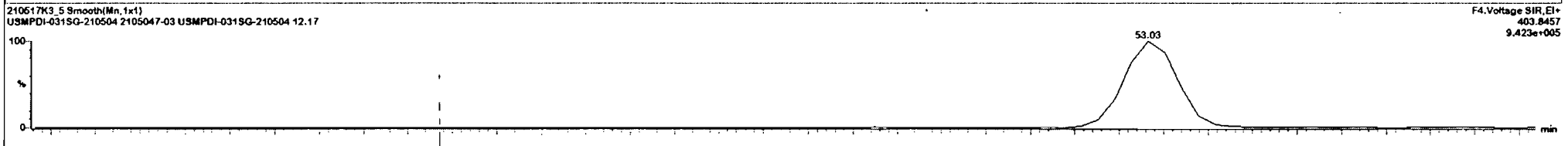
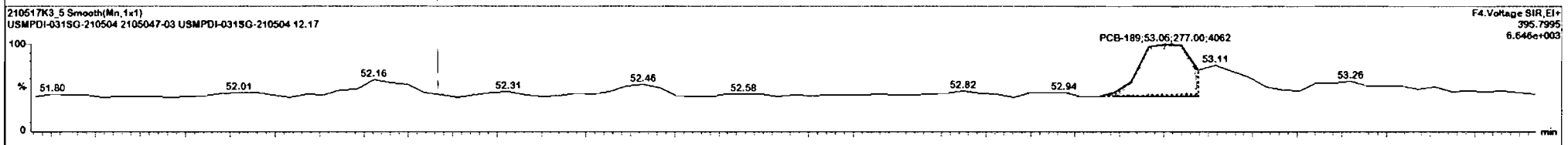
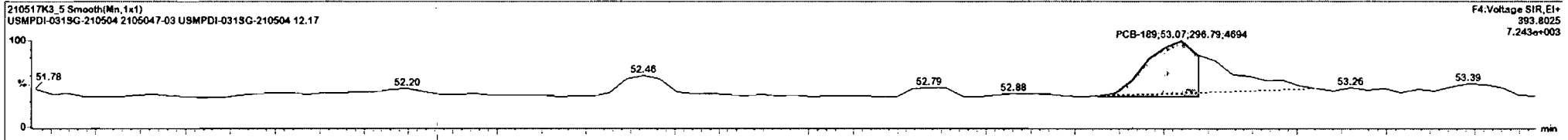
210517K3\_5 - 2105047-03 USMPDI-031SG-210504 12.17 - USMPDI-031SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	133 PCB-175	44.26	44.28	6.271e2	1.003e3	1.050	0.02	YES	10.747	0.00000
2	134 PCB-176	44.75	44.75	3.128e2	3.092e2	1.050	1.01	NO	3.8479	3.8479
3	136 PCB-178	45.91	45.91	2.969e2	3.632e2	1.050	0.02	YES	4.8676	0.00000
4	138 PCB-162/187	46.44	46.42	2.030e3	2.280e3	1.050	0.09	YES	28.975	0.00000
5	139 PCB-183	46.76	46.76	7.897e2	8.663e2	1.050	0.91	NO	12.528	12.528
6	140 PCB-185	47.42	47.44	2.040e2	1.634e2	1.050	1.25	YES	3.0690	0.00000
7	141 PCB-174	47.80	47.82	1.306e3	1.280e3	1.050	1.02	NO	24.485	24.485
8	143 PCB-177	48.09	48.11	7.832e2	6.935e2	1.050	1.13	NO	14.681	14.681
9	144 PCB-171	48.39	48.39	3.328e2	2.593e2	1.050	1.28	YES	4.9530	0.00000
10	146 PCB-172	49.30	49.30	2.067e2	2.191e2	1.050	0.94	NO	3.8388	3.8388
11	148 PCB-180	49.72	49.74	3.031e3	3.031e3	1.050	1.00	NO	52.352	52.352



210517K3\_5 - 2105047-03 USMPDI-031SG-210504 12.17 - USMPDI-031SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	133 PCB-175	44.28	44.28	8.271e2	1.003e3	1.050	0.82	YES	10.347	0.00000
2	134 PCB-176	44.75	44.75	3.128e2	3.092e2	1.050	1.01	NO	3.5479	3.5479
3	136 PCB-178	45.91	45.91	2.589e2	3.632e2	1.050	0.82	YES	4.5078	0.00000
4	138 PCB-182+187	46.44	46.42	2.030e3	2.280e3	1.050	0.89	YES	28.975	0.00000
5	139 PCB-183	46.76	46.78	7.897e2	8.663e2	1.050	0.91	NO	12.528	12.528
6	140 PCB-185	47.42	47.44	2.040e2	1.634e2	1.050	1.25	YES	3.0690	0.00000
7	141 PCB-174	47.80	47.82	1.306e3	1.250e3	1.050	1.02	NO	24.485	24.485
8	143 PCB-177	48.09	48.11	7.832e2	8.925e2	1.050	1.13	NO	14.681	14.681
9	144 PCB-171	48.39	48.39	3.328e2	2.593e2	1.050	1.28	YES	4.9530	0.00000
10	146 PCB-172	49.30	49.30	2.062e2	2.191e2	1.050	0.94	NO	3.8288	3.8288
11	148 PCB-186	49.72	49.74	3.031e3	3.031e3	1.050	1.00	NO	52.852	52.852





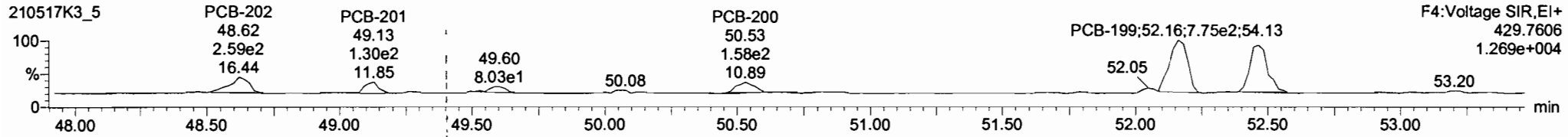
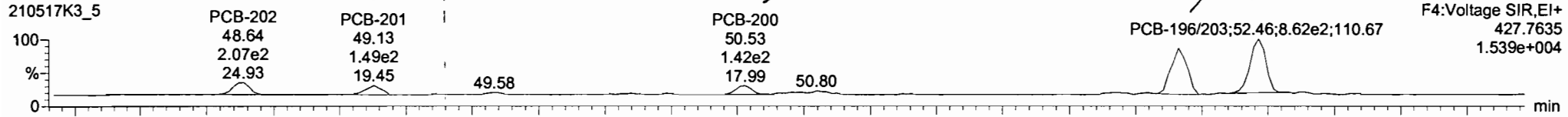
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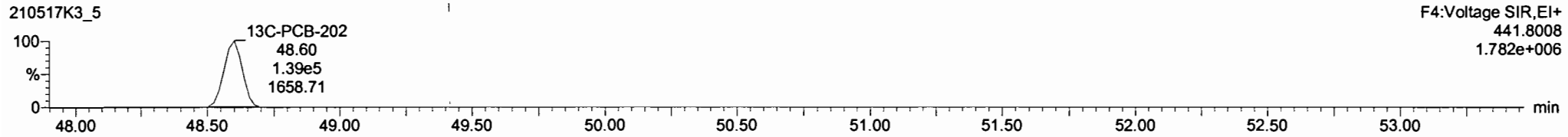
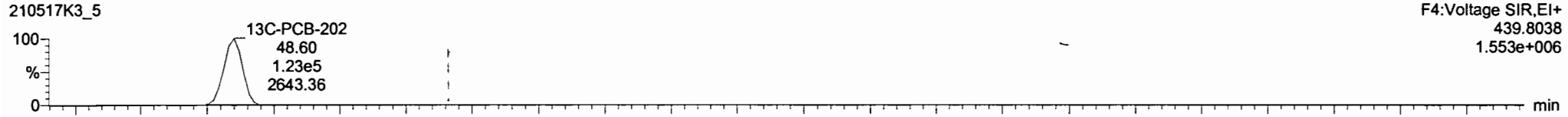
Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

Name: 210517K3\_5, Date: 18-May-2021, Time: 07:06:08, ID: 2105047-03 USMPDI-031SG-210504 12.17, Description: USMPDI-031SG-210504

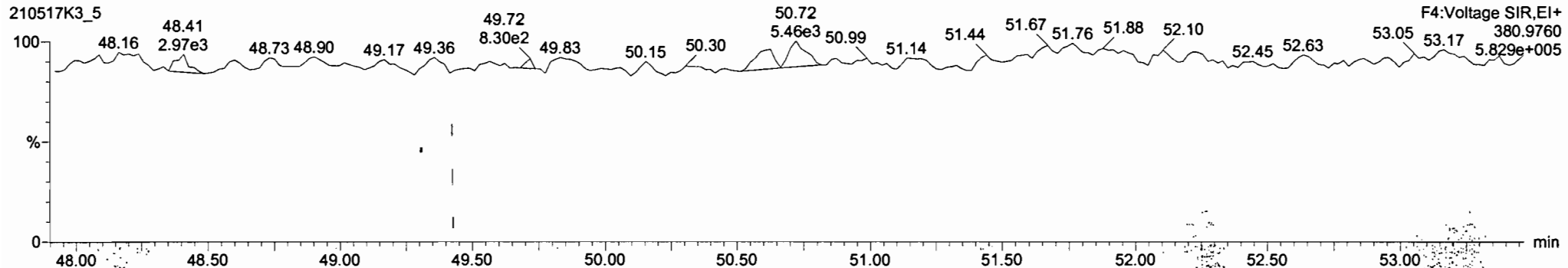
**PCB-202**



**13C-PCB-202**

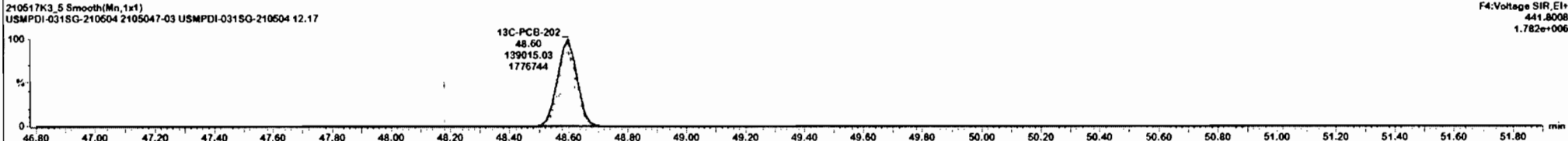
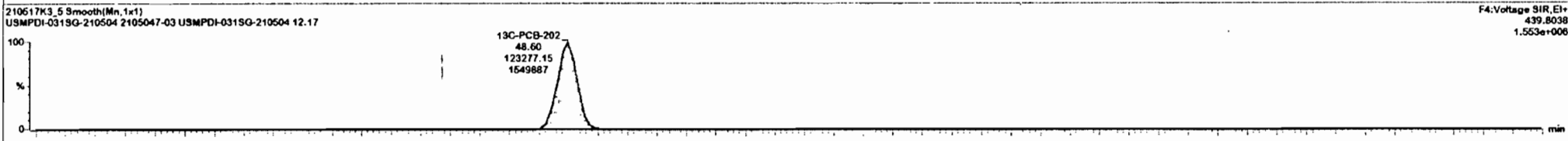
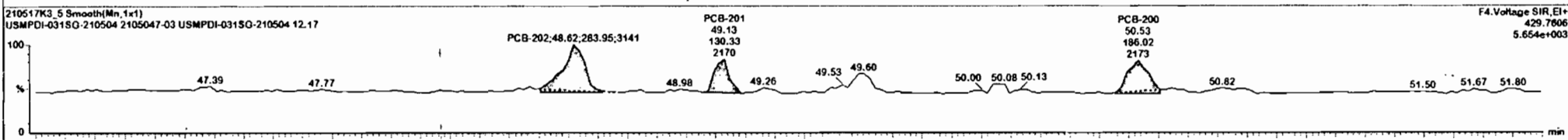
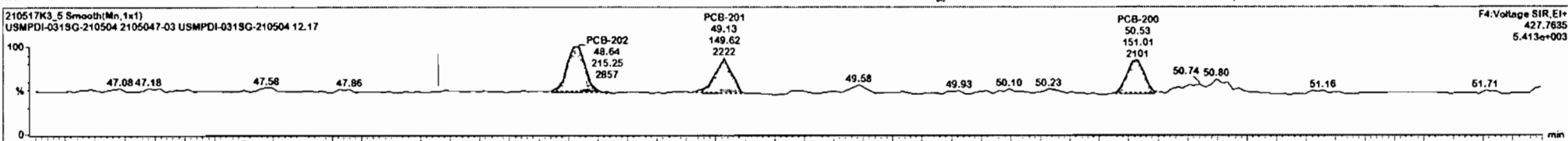


**PFK4d**



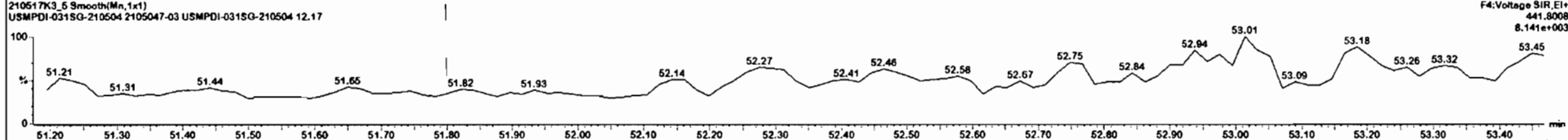
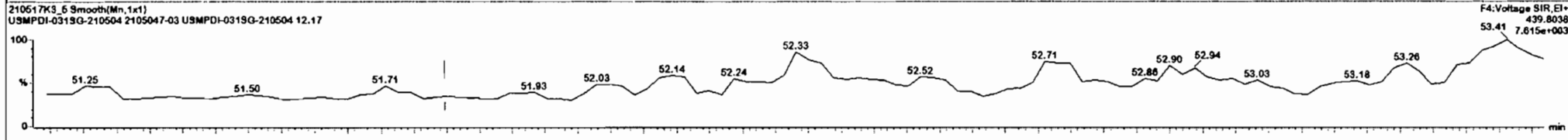
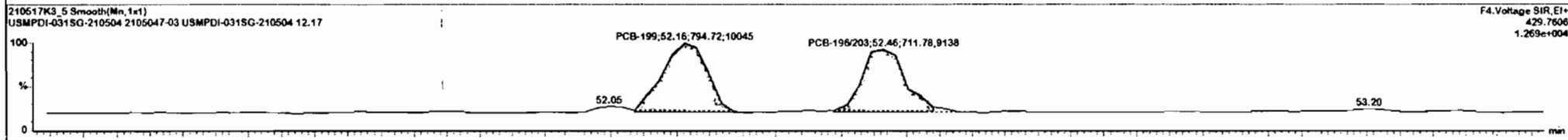
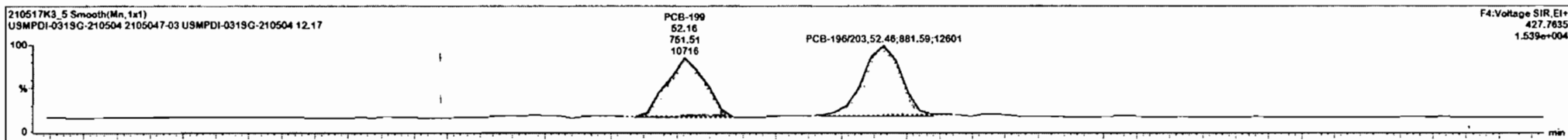
210517K3\_5 - 2105047-03 USMPDI-031SG-210504 12.17 - USMPDI-031SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	154 PCB-202	48.64	48.64	2.153e2	2.840e2	0.890	0.76	NO	3.8318	3.8318
2	155 PCB-201	49.13	49.13	1.496e2	1.303e2	0.890	1.15	YES	2.0807	0.00000
3	158 PCB-200	50.53	50.53	1.510e2	1.860e2	0.890	0.61	NO	2.8237	2.8237
4	160 PCB-199	52.16	52.16	7.515e2	7.647e2	0.890	0.95	NO	16.722	16.722
5	161 PCB-196/203	52.46	52.46	8.616e2	7.118e2	0.890	1.24	YES	13.614	0.00000



210517K3\_5 - 2105047-03 USMPDI-031SG-210504 12.17 - USMPDI-031SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	1 nly	EMPC	Conc.
1	154 PCB-202	48.64	48.64	2.153e2	2.640e2	0.890	0.76	NO	3.8318	3.2318
2	155 PCB-201	49.13	49.13	1.496e2	1.203e2	0.890	1.15	YES	2.0307	0.00000
3	158 PCB-200	50.53	50.53	1.510e2	1.660e2	0.890	0.81	NO	2.8237	2.8237
4	160 PCB-199	52.16	52.16	7.515e2	7.947e2	0.890	0.95	NO	16.722	16.722
5	161 PCB-196/203	52.46	52.46	6.816e2	7.118e2	0.890	1.24	YES	13.814	0.00003



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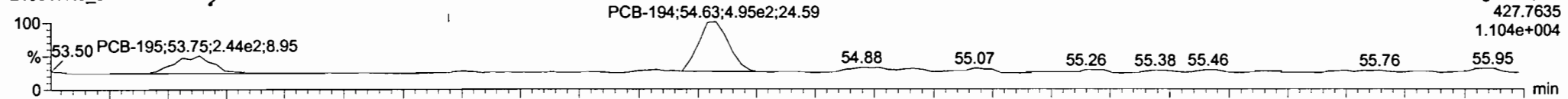
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Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

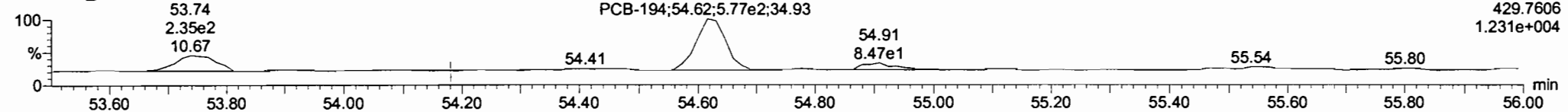
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**PCB-195**

210517K3\_5

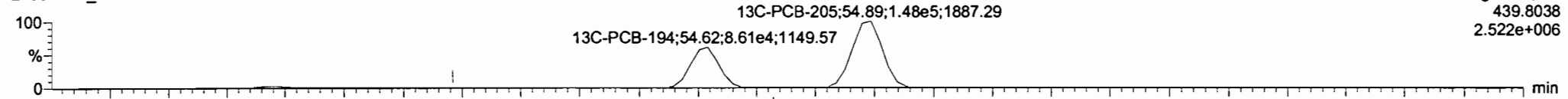


210517K3\_5

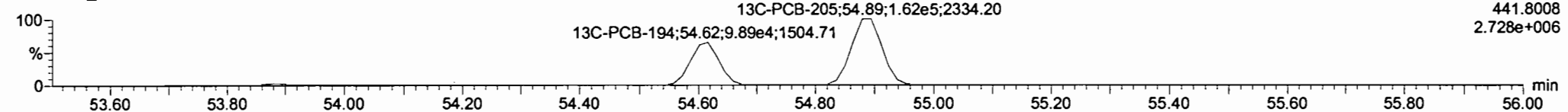


**13C-PCB-194**

210517K3\_5

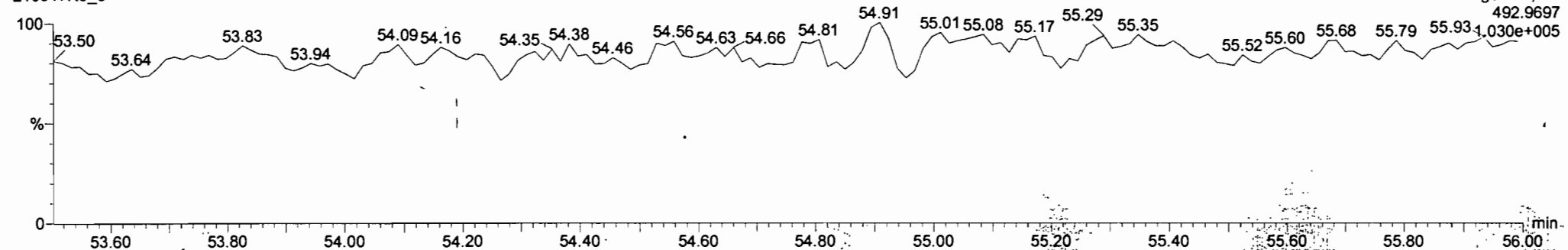


210517K3\_5

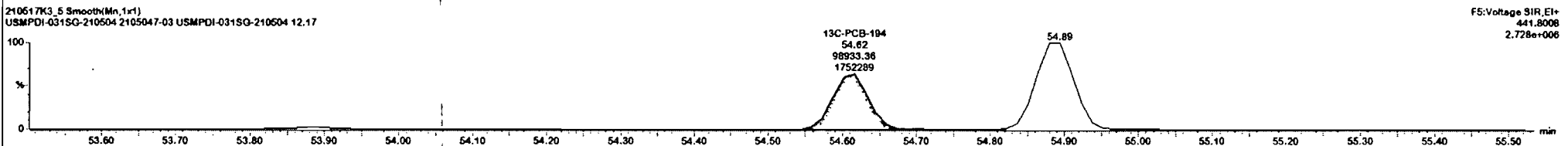
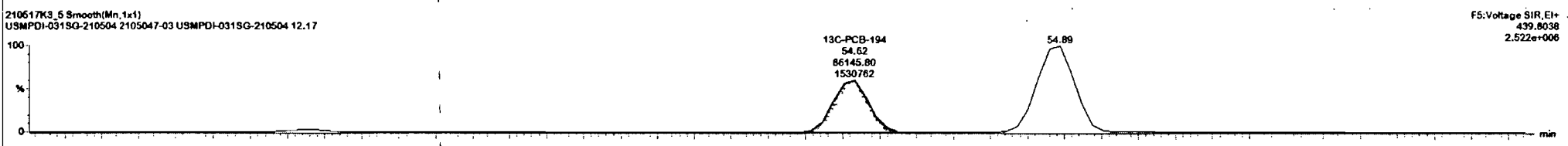
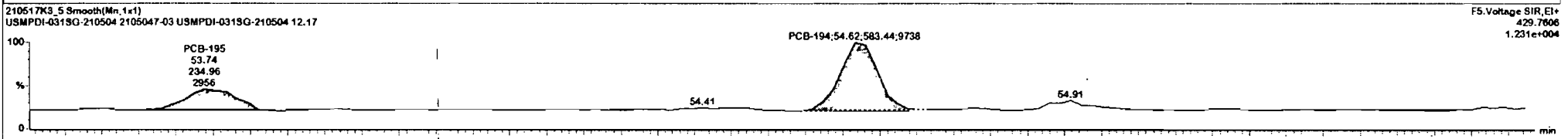
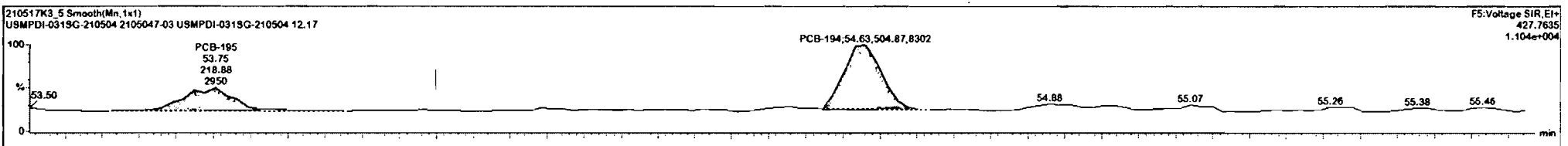


**PFK5a**

210517K3\_5



#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	162 PCB-195	53.74	53.75	2.189e2	2.350e2	0.890	0.93	NO	5.128E	5.1228
2	163 PCB-194	54.63	54.63	5.049e2	5.634e2	0.890	0.87	NO	11.100	11.160



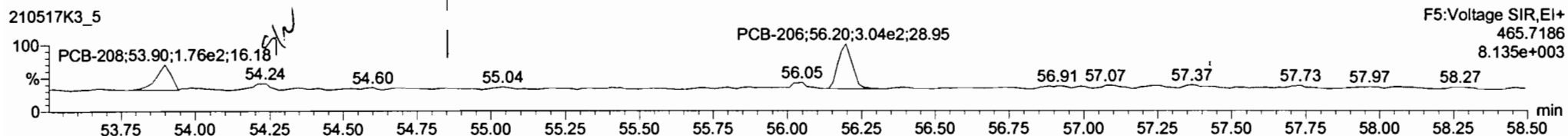
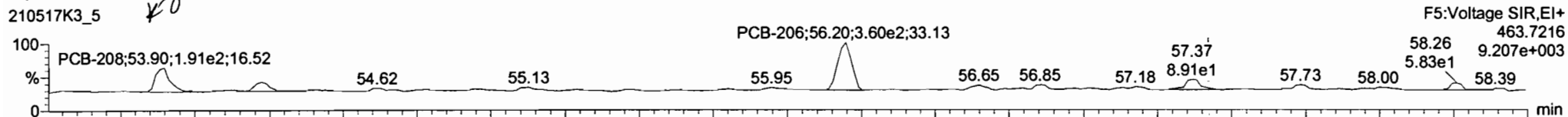
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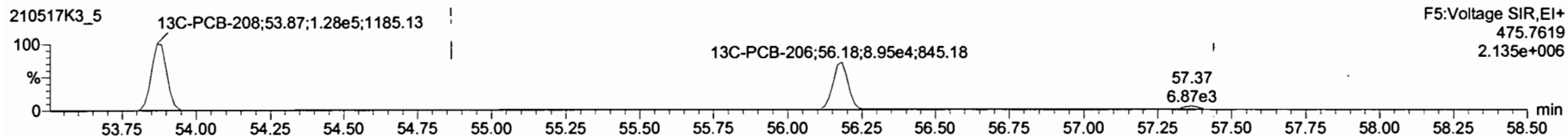
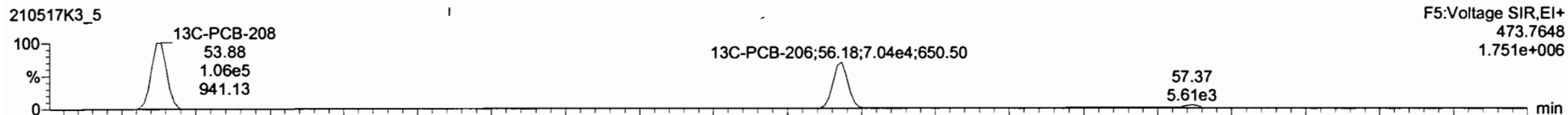
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Name: 210517K3\_5, Date: 18-May-2021, Time: 07:06:08, ID: 2105047-03 USMPDI-031SG-210504 12.17, Description: USMPDI-031SG-210504

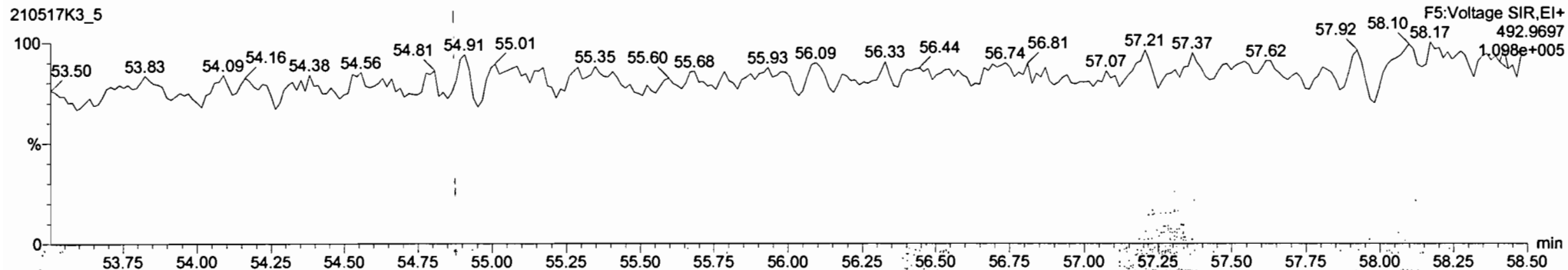
**PCB-208**



**13C-PCB-208**

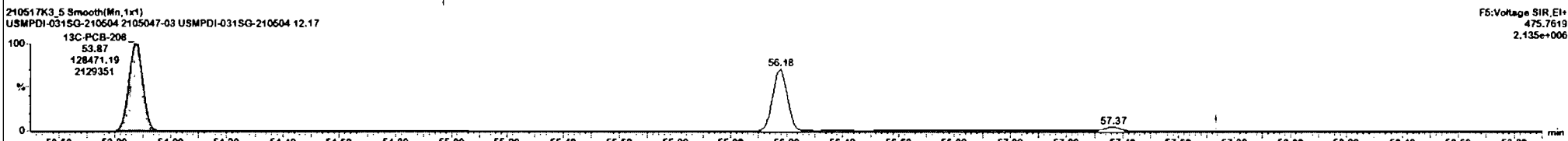
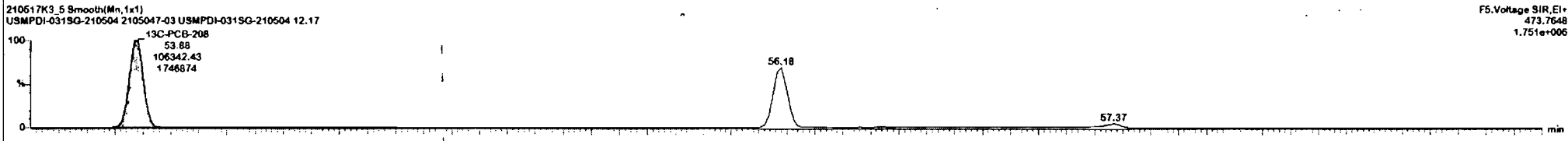
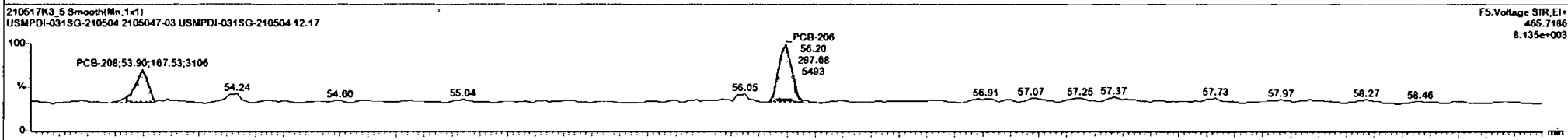
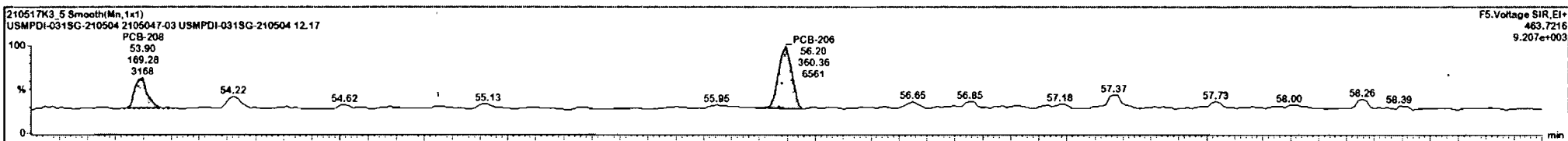


**PFK5**

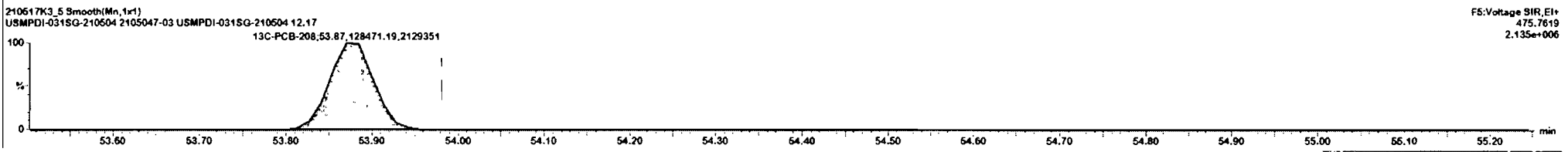
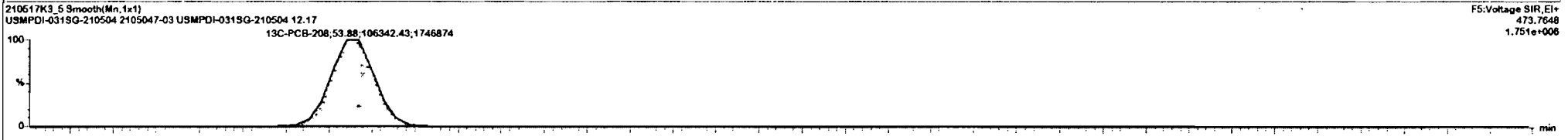
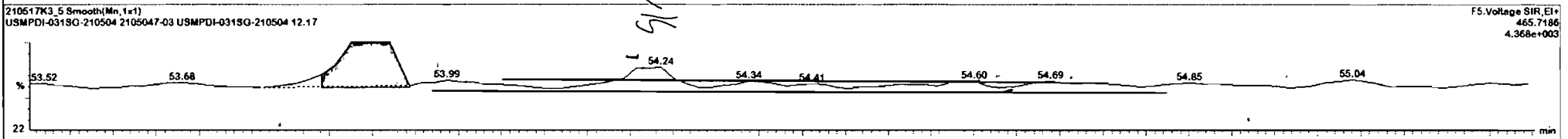
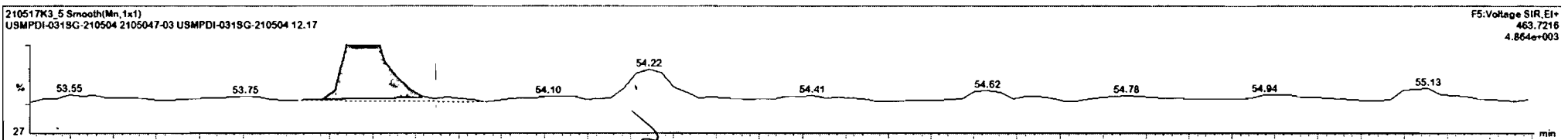


210517K3\_5 - 2105047-03 USMPDI-031SG-210504 12.17 - USMPDI-031SG-210504

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Rate (Pred)	RA	NY	EMPC	Conc.
1	167 PCB-208	53.90	53.90	1.693e2	1.675e2	1.340	1.01	YES	2.9290	0.00000
2	167 PCB-206	56.20	56.20	3.604e2	2.977e2	1.340	1.21	NO	2.6650	8.5650



#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	165 PCB-208	53.50	53.50	1.693e2	1.675e2	1.340	1.01	YES	2.9290	0.00000
2	167 PCB-206	56.20	56.20	3.604e2	2.977e2	1.340	1.21	NO	8.6650	8.6650





Dataset: Untitled

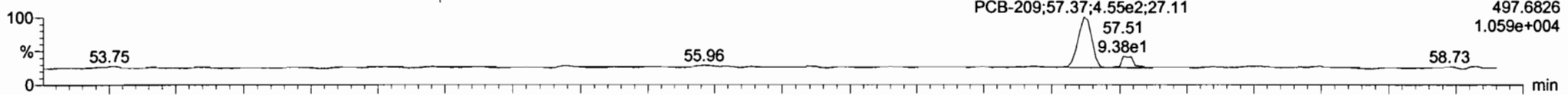
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Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

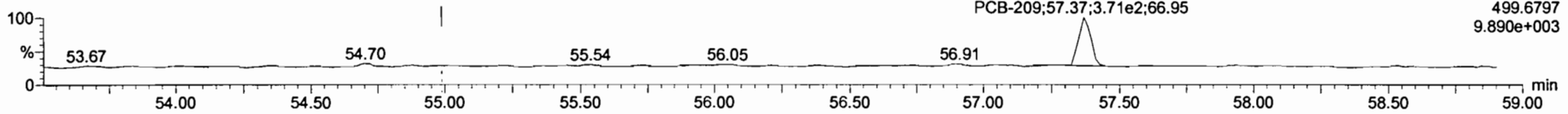
Name: 210517K3\_5, Date: 18-May-2021, Time: 07:06:08, ID: 2105047-03 USMPDI-031SG-210504 12.17, Description: USMPDI-031SG-210504

**PCB-209**

210517K3\_5

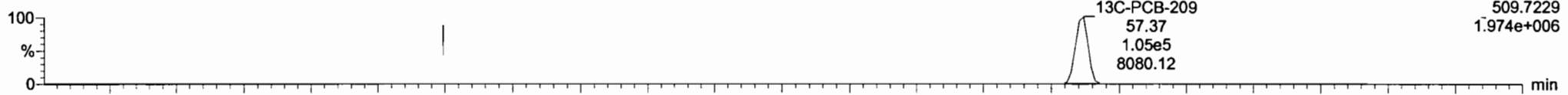


210517K3\_5

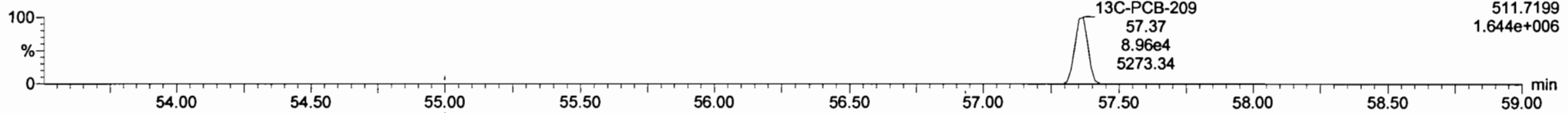


**13C-PCB-209**

210517K3\_5

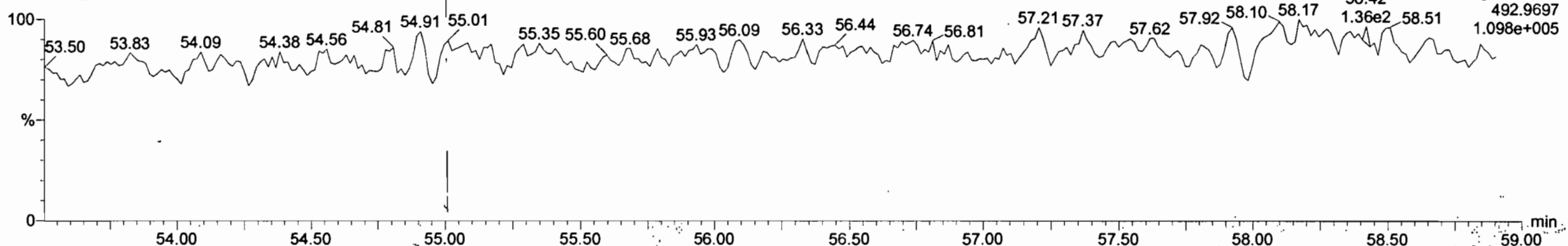


210517K3\_5



**PFK5b**

210517K3\_5



Dataset: U:\VG11.PRO\Results\210517K3\210517K3-6.qld

Last Altered: Monday, June 07, 2021 11:46:11 Pacific Daylight Time  
Printed: Monday, June 07, 2021 12:02:56 Pacific Daylight Time

*By 06-07-2021*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_5-17-21.mdb 17 May 2021 16:25:28  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 18:49:42

*C106/08/2021*

Name: 210517K3\_6, Date: 18-May-2021, Time: 08:06:58, ID: 2105047-04 USMPDI-035SG-210504 10.3, Description: USMPDI-035SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred:RT	RT	Pred.R...	*RRT	*Check RRT	Conc:	%Rec	DL	EMPC
1	1 PCB-1	1.11e3	2.80	NO	0.986	5.009	15.58	15.59	1.001	1.001	NO	4.735		0.328	4.735
2	2 PCB-2	2.82e3	2.68	NO	1.02	5.009	17.99	17.99	0.988	0.988	NO	11.72		0.337	11.72
3	3 PCB-3	1.35e3	3.39	NO	1.00	5.009	18.22	18.23	1.001	1.001	NO	5.703		0.344	5.703
4	4 PCB-4/10	3.04e3	1.24	YES	1.21	5.009	19.64	19.58	1.004	1.001	NO	17.50		1.06	15.89
5	5 PCB-7/9			NO	0.939	5.009	21.43		1.003		YES			1.57	
6	6 PCB-6	2.17e3	1.13	YES	0.996	5.009	22.08	22.07	1.033	1.033	NO	9.371		1.48	8.167
7	7 PCB-5/8	7.85e3	1.40	NO	0.976	5.009	22.49	22.47	1.052	1.052	NO	34.55		1.51	34.55
8	8 PCB-14			NO	1.02	5.009	23.61		0.951		YES			1.53	
9	9 PCB-11	1.21e4	1.51	NO	1.12	5.009	24.84	24.84	1.001	1.001	NO	48.33		1.40	48.33
10	10 PCB-12/13			NO	1.02	5.009	25.27		1.018		YES			1.54	
11	11 PCB-15	1.06e4	1.40	NO	1.02	5.009	25.55	25.56	1.030	1.030	NO	46.16		1.54	46.16
12	12 PCB-19	1.99e3	1.04	NO	0.972	5.009	23.83	23.82	1.001	1.001	NO	14.62		0.938	14.62
13	13 PCB-30			NO	1.54	5.009	24.73		1.039		YES			0.592	
14	14 PCB-18	9.12e3	1.06	NO	0.719	5.009	25.49	25.49	0.952	0.952	NO	63.22		0.859	63.22
15	15 PCB-17	3.80e3	0.89	NO	0.672	5.009	25.65	25.66	0.958	0.959	NO	28.22		0.920	28.22
16	16 PCB-24/27	1.53e3	0.94	NO	0.932	5.009	26.23	26.24	0.980	0.980	NO	8.175		0.662	8.175
17	17 PCB-16/32	7.08e3	0.99	NO	0.824	5.009	26.79	26.79	1.001	1.001	NO	42.81		0.749	42.81
18	18 PCB-34			NO	0.878	5.009	27.59		0.959		YES			0.964	
19	19 PCB-23			NO	0.892	5.009	27.69		0.962		YES			0.949	
20	20 PCB-29			NO	0.861	5.009	27.96		0.972		YES			0.983	
21	21 PCB-26	3.68e3	0.98	NO	0.915	5.009	28.16	28.16	0.979	0.979	NO	19.36		0.925	19.36
22	22 PCB-25	1.77e3	1.19	NO	0.915	5.009	28.32	28.33	0.984	0.984	NO	9.334		0.925	9.334
23	23 PCB-31	1.89e4	1.09	NO	1.03	5.009	28.70	28.70	0.998	0.997	NO	88.08		0.822	88.08
24	24 PCB-28	2.42e4	1.07	NO	1.01	5.009	28.79	28.79	1.001	1.001	NO	115.1		0.835	115.1
25	25 PCB-20/21/33	1.08e4	1.01	NO	0.913	5.009	29.43	29.44	1.023	1.023	NO	56.73		0.927	56.73
26	26 PCB-22	7.39e3	1.11	NO	0.948	5.009	29.89	29.89	1.039	1.039	NO	37.52		0.893	37.52
27	27 PCB-36			NO	1.07	5.009	30.52		0.931		YES			0.873	
28	28 PCB-39			NO	1.00	5.009	31.01		0.946		YES			0.930	
29	29 PCB-38			NO	1.05	5.009	31.80		0.970		YES			0.888	
30	30 PCB-35	7.98e2	1.21	YES	1.05	5.009	32.35	32.37	0.987	0.988	NO	4.011		0.891	3.703
31	31 PCB-37	1.11e4	1.09	NO	1.03	5.009	32.79	32.79	1.001	1.001	NO	56.75		0.907	56.75

Dataset: U:\VG11.PRO\Results\210517K3\210517K3-6.qld

Last Altered: Monday, June 07, 2021 11:46:11 Pacific Daylight Time

Printed: Monday, June 07, 2021 12:02:56 Pacific Daylight Time

Name: 210517K3\_6, Date: 18-May-2021, Time: 08:06:58, ID: 2105047-04 USMPDI-035SG-210504 10.3, Description: USMPDI-035SG-210504

#	Name	Resp	RA	Inf	RRF	wt/vol	Pred:RT	RT	Pred.R	RRT	Check RRT#	Conc.	%Rec	DL	EMPC
32	PCB-54	3.35e2	0.46	YES	0.974	5.009	27.64	27.64	1.001	1.001	NO	2.045		0.640	1.453
33	PCB-50			NO	0.803	5.009	28.86		1.045		YES			0.777	
34	PCB-53	3.63e3	0.75	NO	0.939	5.009	29.52	29.52	0.944	0.944	NO	29.38		0.880	29.38
35	PCB-51	1.34e3	0.81	NO	1.00	5.009	29.87	29.85	0.955	0.955	NO	10.19		0.826	10.19
36	PCB-45	2.30e3	0.67	NO	0.802	5.009	30.32	30.30	0.970	0.969	NO	21.80		1.03	21.80
37	PCB-46	9.56e2	0.74	NO	0.770	5.009	30.82	30.82	0.986	0.986	NO	9.424		1.07	9.424
38	PCB-52/69	3.63e4	0.75	NO	1.08	5.009	31.31	31.29	1.001	1.001	NO	254.4		0.763	254.4
39	PCB-73	1.24e2	1.20	YES	1.31	5.009	31.44	31.42	1.005	1.005	NO	0.7227		0.632	0.5807
40	PCB-43/49	1.81e4	0.75	NO	0.925	5.009	31.59	31.60	1.010	1.011	NO	149.0		0.893	149.0
41	PCB-47	7.74e3	0.74	NO	0.863	5.009	31.83	31.83	1.001	1.001	NO	65.04		0.950	65.04
42	PCB-48/75	3.69e3	0.80	NO	1.04	5.009	31.96	31.96	1.005	1.005	NO	25.78		0.790	25.78
43	PCB-65			NO	1.16	5.009	32.22		1.013		YES			0.707	
44	PCB-62			NO	1.04	5.009	32.33		1.016		YES			0.791	
45	PCB-44	1.85e4	0.77	NO	0.757	5.009	32.65	32.65	1.026	1.026	NO	176.9		1.08	176.9
46	PCB-42/59	6.29e3	0.80	NO	0.975	5.009	32.89	32.87	1.034	1.033	NO	46.74		0.841	46.74
47	PCB-41/64/71/72	2.20e4	0.83	NO	1.12	5.009	33.48	33.46	1.053	1.052	NO	142.6		0.735	142.6
48	PCB-68	5.16e2	0.68	NO	1.19	5.009	33.77	33.71	1.062	1.060	NO	3.145		0.690	3.145
49	PCB-40	2.37e3	0.92	YES	0.572	5.009	34.00	33.95	1.069	1.067	NO	30.01		1.43	27.74
50	PCB-57			NO	1.08	5.009	34.34		0.970		YES			0.626	
51	PCB-67	8.95e2	1.06	YES	1.02	5.009	34.65	34.64	0.978	0.978	NO	5.376		0.664	4.621
52	PCB-58	1.71e2	1.75	YES	1.08	5.009	34.76	34.77	0.982	0.982	NO	0.9657		0.623	0.6216
53	PCB-63	1.06e3	0.65	YES	0.971	5.009	34.93	34.92	0.986	0.986	NO	6.687		0.695	6.038
54	PCB-74	1.30e4	0.71	NO	1.09	5.009	35.22	35.21	0.994	0.994	NO	73.11		0.620	73.11
55	PCB-61/70	3.53e4	0.76	NO	0.978	5.009	35.44	35.44	1.000	1.001	NO	220.7		0.689	220.7
56	PCB-76/66	2.60e4	0.77	NO	1.07	5.009	35.64	35.64	1.006	1.006	NO	148.5		0.630	148.5
57	PCB-80			NO	1.08	5.009	35.87		1.001		YES			0.599	
58	PCB-55	2.55e2	0.68	NO	1.06	5.009	36.20	36.18	1.010	1.009	NO	1.402		0.606	1.402
59	PCB-56/60	1.62e4	0.77	NO	0.946	5.009	36.69	36.70	1.023	1.024	NO	100.2		0.683	100.2
60	PCB-79	3.77e2	0.87	NO	1.06	5.009	37.82	37.82	1.055	1.055	NO	2.081		0.610	2.081
61	PCB-78	2.16e2	0.96	YES	1.01	5.009	38.52	38.49	0.987	0.986	NO	1.290		0.663	1.167
62	PCB-81	3.62e2	0.49	YES	0.941	5.009	39.07	39.10	1.000	1.001	NO	2.314		0.709	1.739
63	PCB-77	4.82e3	0.75	NO	1.03	5.009	39.68	39.68	1.000	1.000	NO	29.43		0.697	29.43
64	PCB-104			NO	0.982	5.009	32.50		1.001		YES			0.922	
65	PCB-96	5.46e2	1.40	NO	0.982	5.009	33.80	33.76	1.041	1.040	NO	3.804		0.921	3.804

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Name: 210517K3\_6, Date: 18-May-2021, Time: 08:06:58, ID: 2105047-04 USMPDI-035SG-210504 10.3, Description: USMPDI-035SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	Check RRT	Conc.	%Rec	DL	EMPC
66	66 PCB-103	7.10e2	1.67	NO	0.770	5.009	34.38	34.34	1.059	1.057	NO	6.306		1.18	6.306
67	67 PCB-100	4.89e2	2.01	YES	0.805	5.009	34.73	34.69	1.069	1.068	NO	4.167		1.12	3.539
68	68 PCB-94	3.69e2	1.13	YES	0.831	5.009	35.17	35.18	0.985	0.985	NO	3.922		1.42	3.412
69	69 PCB-95/98/102	3.48e4	1.53	NO	1.07	5.009	35.67	35.75	0.999	1.001	NO	286.6		1.10	286.6
70	70 PCB-93	8.60e2	1.60	NO	0.761	5.009	35.79	35.81	1.002	1.003	NO	9.967		1.55	9.967
71	71 PCB-88/91	6.18e3	1.62	NO	0.910	5.009	36.14	36.16	1.012	1.013	NO	59.92		1.30	59.92
72	72 PCB-121	1.55e2	1.39	NO	1.46	5.009	36.25	36.22	1.015	1.014	NO	0.9349		0.806	0.9349
73	73 PCB-84/92	1.85e4	1.51	NO	0.826	5.009	37.09	37.09	0.990	0.990	NO	187.3		1.37	187.3
74	74 PCB-89	5.00e2	1.74	NO	0.885	5.009	37.27	37.30	0.995	0.996	NO	4.724		1.27	4.724
75	75 PCB-90/101	4.93e4	1.66	NO	0.905	5.009	37.48	37.48	1.000	1.000	NO	455.8		1.25	455.8
76	76 PCB-113	2.82e2	1.31	YES	1.26	5.009	37.73	37.74	1.007	1.007	NO	1.872		0.896	1.744
77	77 PCB-99	2.09e4	1.70	NO	0.993	5.009	37.82	37.82	1.010	1.009	NO	176.4		1.14	176.4
78	78 PCB-119	1.36e3	1.52	NO	1.53	5.009	38.30	38.30	0.987	0.987	NO	9.274		0.916	9.274
79	79 PCB-108/112	2.30e3	1.59	NO	1.25	5.009	38.46	38.47	0.991	0.991	NO	19.25		1.13	19.25
80	80 PCB-83			NO	1.56	5.009	38.62		0.995		YES			0.900	
81	81 PCB-97	1.22e4	1.49	NO	1.12	5.009	38.82	38.82	1.000	1.000	NO	113.0		1.25	113.0
82	82 PCB-86			NO	1.06	5.009	38.98		1.004		YES			1.32	
83	83 PCB-87/117/125	2.08e4	1.43	NO	1.34	5.009	39.12	39.12	1.008	1.008	NO	162.4		1.05	162.4
84	84 PCB-111/115	1.16e3	1.59	NO	1.62	5.009	39.27	39.27	1.012	1.012	NO	7.527		0.868	7.527
85	85 PCB-85/116	8.11e3	1.78	NO	1.23	5.009	39.40	39.38	1.015	1.015	NO	68.74		1.14	68.74
86	86 PCB-120	2.85e2	1.70	NO	1.79	5.009	39.64	39.64	1.022	1.022	NO	1.663		0.782	1.663
87	87 PCB-110	6.54e4	1.62	NO	1.50	5.009	39.79	39.81	1.025	1.026	NO	455.5		0.935	455.5
88	88 PCB-82	4.16e3	1.52	NO	0.638	5.009	40.45	40.44	0.975	0.975	NO	47.36		1.60	47.36
89	89 PCB-124	2.62e3	1.48	NO	1.08	5.009	41.17	41.17	0.993	0.993	NO	17.63		0.945	17.63
90	90 PCB-107/109	4.08e3	1.49	NO	1.11	5.009	41.32	41.32	0.996	0.996	NO	26.74		0.919	26.74
91	91 PCB-123	1.23e3	1.74	NO	1.00	5.009	41.49	41.48	1.000	1.000	NO	8.899		1.02	8.899
92	92 PCB-106/118	5.12e4	1.55	NO	1.02	5.009	41.69	41.67	1.001	1.000	NO	372.4		1.01	372.4
93	93 PCB-114	1.28e3	1.48	NO	1.08	5.009	42.35	42.35	1.000	1.000	NO	9.819		1.78	9.819
94	94 PCB-122	7.22e2	1.93	YES	0.930	5.009	42.50	42.48	1.004	1.004	NO	6.448		2.07	5.627
95	95 PCB-105	1.97e4	1.63	NO	1.03	5.009	43.24	43.24	1.000	1.000	NO	154.0		1.88	154.0
96	96 PCB-127			NO	1.06	5.009	43.58		1.000		YES			1.73	
97	97 PCB-126	9.92e2	1.62	NO	1.15	5.009	45.53	45.55	1.000	1.001	NO	7.490		1.81	7.490
98	98 PCB-155			NO	0.853	5.009	37.00		1.000		YES			0.535	
99	99 PCB-150			NO	0.934	5.009	38.32		1.036		YES			0.488	

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Name: 210517K3\_6, Date: 18-May-2021, Time: 08:06:58, ID: 2105047-04 USMPDI-035SG-210504 10.3, Description: USMPDI-035SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
100	100 PCB-152	1.20e2	1.58	YES	1.02	5.009	38.80	38.82	1.049	1.050	NO	0.9664		0.448	0.8396
101	101 PCB-145			NO	0.983	5.009	39.27		1.062		YES			0.464	
102	102 PCB-136	6.30e3	1.37	NO	0.881	5.009	39.60	39.60	1.071	1.071	NO	58.83		0.518	58.83
103	103 PCB-148	1.42e2	0.66	YES	0.666	5.009	39.72	39.74	1.074	1.074	NO	1.748		0.685	1.260
104	104 PCB-154	6.98e2	1.07	NO	0.721	5.009	40.22	40.22	1.088	1.088	NO	7.963		0.633	7.963
105	105 PCB-151	7.83e3	1.19	NO	0.674	5.009	40.87	40.89	1.105	1.106	NO	95.55		0.677	95.55
106	106 PCB-135	4.75e3	1.23	NO	0.723	5.009	41.09	41.11	1.111	1.112	NO	54.02		0.631	54.02
107	107 PCB-144	1.54e3	1.20	NO	0.691	5.009	41.20	41.22	1.114	1.115	NO	18.37		0.660	18.37
108	108 PCB-147	8.78e2	0.90	YES	0.713	5.009	41.35	41.35	1.118	1.118	NO	10.13		0.640	8.647
109	109 PCB-139/149	3.04e4	1.26	NO	0.773	5.009	41.61	41.61	1.125	1.125	NO	323.7		0.590	323.7
110	110 PCB-140	2.78e2	1.69	YES	0.652	5.009	41.82	41.82	1.131	1.131	NO	3.507		0.700	2.917
111	111 PCB-134/143	2.29e3	1.32	NO	0.718	5.009	42.27	42.29	0.975	0.975	NO	29.22		2.01	29.22
112	112 PCB-131/133	1.27e3	1.44	YES	0.768	5.009	42.57	42.57	0.982	0.982	NO	15.10		1.88	13.89
113	113 PCB-142			NO	0.687	5.009	42.73		0.985		YES			2.10	
114	114 PCB-146/165	7.49e3	1.26	NO	0.943	5.009	42.97	42.99	0.991	0.991	NO	72.67		1.53	72.67
115	115 PCB-132/161	1.28e4	1.28	NO	0.957	5.009	43.22	43.26	0.997	0.997	NO	122.0		1.51	122.0
116	116 PCB-153	4.56e4	1.23	NO	0.990	5.009	43.41	43.41	1.001	1.001	NO	421.4		1.46	421.4
117	117 PCB-168			NO	1.03	5.009	43.62		1.006		YES			1.39	
118	118 PCB-141	7.94e3	1.33	NO	0.948	5.009	44.16	44.17	1.000	1.000	NO	93.56		1.77	93.56
119	119 PCB-137	2.38e3	1.03	YES	0.964	5.009	44.56	44.56	1.009	1.009	NO	27.89		1.75	25.28
120	120 PCB-130	3.15e3	1.23	NO	0.816	5.009	44.68	44.66	1.012	1.012	NO	43.08		2.06	43.08
121	121 PCB-138/163/164	5.61e4	1.23	NO	1.15	5.009	45.06	45.04	1.001	1.001	NO	502.8		1.39	502.8
122	122 PCB-158/160	6.41e3	1.22	NO	1.14	5.009	45.30	45.28	1.007	1.006	NO	58.31		1.41	58.31
123	123 PCB-129	1.83e3	1.36	NO	0.807	5.009	45.55	45.55	1.012	1.012	NO	23.49		1.99	23.49
124	124 PCB-166			NO	1.03	5.009	46.03		0.993		YES			1.38	
125	125 PCB-159			NO	1.10	5.009	46.36		1.000		YES			1.30	
126	126 PCB-128/162	8.68e3	1.28	NO	0.836	5.009	46.66	46.63	1.007	1.006	NO	91.06		1.70	91.06
127	127 PCB-167	2.40e3	1.22	NO	0.960	5.009	47.06	47.06	1.000	1.000	NO	21.30		1.40	21.30
128	128 PCB-156	6.42e3	1.13	NO	1.06	5.009	48.39	48.39	1.000	1.000	NO	55.82		1.35	55.82
129	129 PCB-157	1.65e3	1.16	NO	0.960	5.009	48.68	48.68	1.000	1.000	NO	15.91		1.54	15.91
130	130 PCB-169	5.24e2	2.04	YES	1.04	5.009	50.95	50.97	1.000	1.001	NO	4.576		1.42	3.374
131	131 PCB-188	8.12e1	0.80	YES	1.15	5.009	43.03	43.05	1.001	1.001	NO	0.6822		0.644	0.5910
132	132 PCB-184			NO	1.14	5.009	43.47		1.011		YES			0.649	
133	133 PCB-179	5.91e3	0.96	NO	1.07	5.009	44.28	44.28	1.030	1.030	NO	53.12		0.689	53.12

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#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R	RRT	Check RRT	Conc	%Rec	DL	EMPC
134	134 PCB-176	1.87e3	1.02	NO	1.11	5.009	44.75	44.77	1.041	1.041	NO	16.27		0.665	16.27
135	135 PCB-186			NO	1.23	5.009	45.41		1.056		YES			0.601	
136	136 PCB-178	2.31e3	1.03	NO	0.830	5.009	45.91	45.89	1.068	1.067	NO	26.88		0.892	26.88
137	137 PCB-175	4.52e2	0.60	YES	0.853	5.009	46.27	46.25	1.076	1.076	NO	5.17		0.868	3.733
138	138 PCB-182/187	1.42e4	1.10	NO	0.942	5.009	46.44	46.42	1.080	1.080	NO	145.9		0.786	145.9
139	139 PCB-183	5.86e3	0.95	NO	0.910	5.009	46.76	46.76	1.088	1.088	NO	62.23		0.813	62.23
140	140 PCB-185	1.01e3	1.10	NO	1.24	5.009	47.42	47.44	0.954	0.955	NO	12.48		0.978	12.48
141	141 PCB-174	9.71e3	0.93	NO	1.20	5.009	47.80	47.82	0.962	0.962	NO	123.8		1.01	123.8
142	142 PCB-181	1.38e2	0.99	NO	1.33	5.009	47.90	47.92	0.964	0.964	NO	1.584		0.911	1.584
143	143 PCB-177	5.38e3	1.03	NO	1.14	5.009	48.09	48.11	0.968	0.968	NO	72.07		1.06	72.07
144	144 PCB-171	2.38e3	0.91	NO	1.22	5.009	48.39	48.41	0.974	0.974	NO	29.87		0.995	29.87
145	145 PCB-173	2.99e2	1.00	NO	1.07	5.009	48.82	48.86	0.982	0.983	NO	4.282		1.13	4.282
146	146 PCB-172	1.75e3	1.00	NO	1.26	5.009	49.30	49.32	0.992	0.992	NO	21.28		0.964	21.28
147	147 PCB-192			NO	1.61	5.009	49.48		0.996		YES			0.751	
148	148 PCB-180	2.26e4	1.03	NO	1.30	5.009	49.72	49.74	1.000	1.001	NO	264.9		0.931	264.9
149	149 PCB-193	1.71e3	0.91	NO	1.47	5.009	49.93	49.94	1.005	1.005	NO	17.74		0.823	17.74
150	150 PCB-191	4.79e2	1.41	YES	1.51	5.009	50.19	50.21	1.010	1.010	NO	4.861		0.804	4.138
151	151 PCB-170	8.66e3	1.04	NO	1.23	5.009	51.39	51.38	1.000	1.000	NO	113.9		1.02	113.9
152	152 PCB-190	2.69e3	0.96	NO	1.61	5.009	51.58	51.57	1.004	1.004	NO	27.04		0.782	27.04
153	153 PCB-189	1.13e3	0.98	NO	1.27	5.009	53.04	53.03	1.000	1.000	NO	10.33		0.635	10.33
154	154 PCB-202	1.45e3	1.11	YES	0.995	5.009	48.64	48.62	1.001	1.000	NO	15.87		0.802	13.49
155	155 PCB-201	8.36e2	0.78	NO	0.904	5.009	49.13	49.11	1.011	1.011	NO	9.552		0.662	9.552
156	156 PCB-204			NO	0.955	5.009	49.29		1.014		YES			0.627	
157	157 PCB-197	2.43e2	0.87	NO	0.964	5.009	49.61	49.58	1.021	1.020	NO	2.599		0.621	2.599
158	158 PCB-200	8.38e2	1.33	YES	0.911	5.009	50.53	50.53	1.040	1.040	NO	9.492		0.657	7.684
159	159 PCB-198	3.19e2	1.29	YES	0.696	5.009	52.05	52.03	1.071	1.071	NO	4.729		0.861	3.904
160	160 PCB-199	5.82e3	0.93	NO	0.706	5.009	52.18	52.16	1.074	1.073	NO	85.03		0.848	85.03
161	161 PCB-196/203	5.97e3	0.94	NO	0.754	5.009	52.46	52.46	1.079	1.080	NO	81.69		0.794	81.69
162	162 PCB-195	1.51e3	1.25	YES	0.957	5.009	53.72	53.72	0.984	0.984	NO	21.66		0.784	18.22
163	163 PCB-194	4.36e3	1.01	NO	1.06	5.009	54.62	54.62	1.000	1.000	NO	56.34		0.716	56.34
164	164 PCB-205	2.59e2	0.64	YES	1.27	5.009	54.89	54.88	1.005	1.005	NO	2.797		0.599	2.319
165	165 PCB-208	1.31e3	1.53	NO	0.861	5.009	53.87	53.87	1.000	1.000	NO	17.20		0.662	17.20
166	166 PCB-207	6.28e2	1.53	NO	0.849	5.009	54.19	54.19	1.006	1.006	NO	8.354		0.671	8.354
167	167 PCB-206	2.46e3	1.10	YES	0.951	5.009	56.18	56.18	1.000	1.000	NO	43.86		0.854	39.45

Dataset: U:\VG11.PRO\Results\210517K3\210517K3-6.qld

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Name: 210517K3\_6, Date: 18-May-2021, Time: 08:06:58, ID: 2105047-04 USMPDI-035SG-210504 10.3, Description: USMPDI-035SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	Check RRT	Conc.	%Rec	DL	EMPC
168	168 PCB-209	2.77e3	1.08	NO	0.863	5.009	57.42	57.44	1.000	1.000	NO	46.50		0.423	46.50
169	169 13C-PCB-1	4.76e5	3.25	NO	0.937	5.009	15.57	15.57	0.609	0.610	NO	1422	71.2		2.42
170	170 13C-PCB-3	4.70e5	3.28	NO	0.934	5.009	18.20	18.20	0.712	0.713	NO	1407	70.5		2.43
171	171 13C-PCB-4	2.87e5	1.58	NO	0.599	5.009	19.55	19.56	0.765	0.766	NO	1341	67.2		1.10
172	172 13C-PCB-9	4.65e5	1.58	NO	0.960	5.009	21.37	21.37	0.837	0.837	NO	1354	67.8		0.688
173	173 13C-PCB-11	4.50e5	1.56	NO	0.929	5.009	24.82	24.82	0.972	0.972	NO	1353	67.8		0.711
174	174 13C-PCB-19	2.79e5	1.01	NO	0.506	5.009	23.77	23.80	0.931	0.932	NO	1543	77.3		13.6
175	175 13C-PCB-32	4.01e5	1.03	NO	0.738	5.009	26.76	26.76	1.048	1.048	NO	1518	76.0		9.31
176	176 13C-PCB-28	4.15e5	1.06	NO	1.06	5.009	28.75	28.77	1.003	1.004	NO	1386	69.4		8.81
177	177 13C-PCB-37	3.79e5	1.07	NO	0.979	5.009	32.75	32.78	1.143	1.143	NO	1372	68.8		9.53
178	178 13C-PCB-54	3.41e5	0.78	NO	0.981	5.009	27.61	27.62	0.753	0.753	NO	1419	71.1		1.83
179	179 13C-PCB-52	2.63e5	0.78	NO	0.786	5.009	31.25	31.27	0.852	0.852	NO	1364	68.3		2.28
180	180 13C-PCB-47	2.75e5	0.78	NO	0.833	5.009	31.77	31.81	0.866	0.867	NO	1350	67.6		2.16
181	181 13C-PCB-70	3.27e5	0.79	NO	0.981	5.009	35.40	35.42	0.965	0.966	NO	1360	68.1		1.83
182	182 13C-PCB-80	3.41e5	0.78	NO	1.01	5.009	35.84	35.85	0.977	0.977	NO	1374	68.8		1.77
183	183 13C-PCB-81	3.32e5	0.79	NO	0.995	5.009	39.04	39.05	1.064	1.064	NO	1361	68.2		1.80
184	184 13C-PCB-77	3.18e5	0.80	NO	0.977	5.009	39.66	39.66	1.081	1.081	NO	1327	66.5		1.84
185	185 13C-PCB-104	2.92e5	1.58	NO	1.00	5.009	32.44	32.48	0.827	0.827	NO	1377	69.0		1.03
186	186 13C-PCB-95	2.26e5	1.60	NO	0.779	5.009	35.70	35.72	0.910	0.910	NO	1375	68.9		1.33
187	187 13C-PCB-101	2.39e5	1.55	NO	0.833	5.009	37.46	37.47	0.954	0.954	NO	1357	68.0		1.25
188	188 13C-PCB-97	1.91e5	1.59	NO	0.679	5.009	38.79	38.81	0.988	0.989	NO	1333	66.8		1.53
189	189 13C-PCB-123	2.75e5	1.59	NO	0.970	5.009	41.46	41.47	1.056	1.056	NO	1343	67.3		1.07
190	190 13C-PCB-118	2.68e5	1.57	NO	1.00	5.009	41.63	41.65	1.061	1.061	NO	1270	63.6		1.04
191	191 13C-PCB-114	2.40e5	1.59	NO	1.55	5.009	42.31	42.33	0.908	0.908	NO	1323	66.3		2.33
192	192 13C-PCB-105	2.47e5	1.59	NO	1.59	5.009	43.19	43.22	0.927	0.927	NO	1320	66.1		2.26
193	193 13C-PCB-127	2.56e5	1.55	NO	1.66	5.009	43.55	43.56	0.934	0.935	NO	1316	65.9		2.17
194	194 13C-PCB-126	2.30e5	1.51	NO	1.65	5.009	45.51	45.51	0.976	0.976	NO	1190	59.6		2.19
195	195 13C-PCB-155	2.43e5	1.29	NO	0.819	5.009	36.98	36.98	0.942	0.942	NO	1403	70.3		0.749
196	196 13C-PCB-153	2.18e5	1.22	NO	1.31	5.009	43.37	43.37	0.930	0.930	NO	1416	71.0		2.89
197	197 13C-PCB-141	1.79e5	1.24	NO	1.08	5.009	44.13	44.15	0.947	0.947	NO	1405	70.4		3.50
198	198 13C-PCB-138	1.93e5	1.25	NO	1.15	5.009	44.99	45.00	0.965	0.965	NO	1427	71.5		3.29
199	199 13C-PCB-159	2.27e5	1.26	NO	1.39	5.009	46.34	46.35	0.994	0.994	NO	1391	69.7		2.72
200	200 13C-PCB-167	2.34e5	1.20	NO	1.43	5.009	47.04	47.05	1.009	1.009	NO	1398	70.0		2.66
201	201 13C-PCB-156	2.16e5	1.22	NO	1.34	5.009	48.37	48.37	1.038	1.038	NO	1376	69.0		2.83

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Name: 210517K3\_6, Date: 18-May-2021, Time: 08:06:58, ID: 2105047-04 USMPDI-035SG-210504 10.3, Description: USMPDI-035SG-210504

#	Name	Resp.	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
202	202 13C-PCB-157	2.16e5	1.25	NO	1.36	5.009	48.66	48.66	1.044	1.044	NO	1352	67.7	2.79	
203	203 13C-PCB-169	2.20e5	1.30	NO	1.33	5.009	50.93	50.93	1.093	1.093	NO	1407	70.5	2.85	
204	204 13C-PCB-188	2.07e5	0.43	NO	1.39	5.009	42.99	42.99	0.926	0.926	NO	1431	71.7	1.70	
205	205 13C-PCB-180	1.31e5	0.42	NO	0.907	5.009	49.72	49.70	1.071	1.070	NO	1386	69.4	2.60	
206	206 13C-PCB-170	1.23e5	0.45	NO	0.823	5.009	51.36	51.37	1.106	1.106	NO	1442	72.2	2.87	
207	207 13C-PCB-189	1.72e5	0.43	NO	1.08	5.009	53.01	53.01	1.141	1.142	NO	1534	76.9	2.19	
208	208 13C-PCB-202	1.93e5	0.92	NO	1.23	5.009	48.60	48.60	1.046	1.046	NO	1511	75.7	1.12	
209	209 13C-PCB-194	1.46e5	0.94	NO	0.710	5.009	54.60	54.60	0.995	0.995	NO	1511	75.7	3.40	
210	210 13C-PCB-208	1.77e5	0.76	NO	0.865	5.009	53.80	53.85	0.980	0.981	NO	1504	75.3	2.19	
211	211 13C-PCB-206	1.20e5	0.76	NO	0.623	5.009	56.18	56.17	1.024	1.023	NO	1415	70.9	3.05	
212	212 13C-PCB-209	1.38e5	1.22	NO	0.725	5.009	57.38	57.42	1.046	1.046	NO	1400	70.1	0.712	
213	213 13C-PCB-15	7.14e5	1.57	NO	1.00	5.009	25.53	25.54	1.000	0.000	NO	1996	100	0.660	
214	214 13C-PCB-31	5.64e5	1.03	NO	1.00	5.009	28.67	28.66	1.000	0.000	NO	1996	100	9.33	
215	215 13C-PCB-60	4.89e5	0.79	NO	1.00	5.009	36.69	36.68	1.000	0.000	NO	1996	100	1.79	
216	216 13C-PCB-111	4.21e5	1.54	NO	1.00	5.009	39.26	39.25	1.000	0.000	NO	1996	100	1.04	
217	217 13C-PCB-128	2.34e5	1.31	NO	1.00	5.009	46.63	46.61	1.000	0.000	NO	1996	100	3.79	
218	218 13C-PCB-182	2.07e5	0.46	NO	1.00	5.009	46.44	46.44	0.000	0.000	NO	1996	100	2.36	
219	219 13C-PCB-205	2.71e5	0.90	NO	1.00	5.009	54.93	54.88	1.000	0.000	NO	1996	100	2.41	
220	220 13C-PCB-79	3.58e5	0.79	NO	1.04	5.009	37.79	37.78	1.030	1.030	NO	1410	70.6	1.73	
221	221 13C-PCB-178	1.35e5	0.47	NO	0.774	5.009	45.88	45.87	0.988	0.988	NO	1486	74.5	2.77	
222	222 13C-PCB-79	3.58e5	0.79	NO	1.04	5.009	37.77	37.78	0.967	0.968	NO	2067	104	2.45	
223	223 13C-PCB-178	1.35e5	0.46	NO	1.02	5.009	45.85	45.87	0.923	0.923	NO	2024	101	3.78	
224	224 Total Mono-PCBs				1.00	5.009	0.00		0.000		NO	22.16		1.01	22.16
225	225 Total Di-PCBs				1.04	5.009	0.00		0.000		NO	129.0		12.5	153.1
226	226 2nd Function Tri-PCBs				0.943	5.009	0.00		0.000		NO	157.0		4.72	157.0
227	227 3rd Function Tri-PCBs				0.969	5.009	0.00		0.000		NO	382.8		12.7	386.5
228	228 Total Tetra-PCBs				0.991	5.009	0.00		0.000		NO	1510		24.6	1554
229	229 3rd Function Penta-PCBs				1.11	5.009	0.00		0.000		NO	2502		32.0	2511
230	230 4th Function Penta-PCBs				1.05	5.009	0.00		0.000		NO	171.3		9.27	176.9
231	231 3rd Function Hexa-PCBs				0.791	5.009	0.00		0.000		NO	558.4		7.67	572.1
232	232 4th Function Hexa-PCBs				0.946	5.009	0.00		0.000		NO	1551		32.3	1593
233	233 Total Hepta-PCBs				1.20	5.009	0.00		0.000		NO	1004		19.4	1012
234	234 4th Function Octa-PCBs				0.860	5.009	0.00		0.000		NO	178.9		5.67	203.9
235	235 5th Function Octa-PCBs				1.10	5.009	0.00		0.000		NO	56.34		2.11	76.88

Handwritten notes and corrections on the right side of the table:  
 226: 157.0 → 539.8 -  
 227: 382.8 → 543.5 -  
 229: 2502 → 2673.3 -  
 231: 558.4 → 2109.4 -  
 232: 1551 → 2165.1 -  
 234: 178.9 → 235.24 -  
 235: 56.34 → 280.78 -



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Name: 210517K3\_6, Date: 18-May-2021, Time: 08:06:58, ID: 2105047-04 USMPDI-035SG-210504 10.3, Description: USMPDI-035SG-210504

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred:RT	RT	Pred.R	RRT	Check RRT	Conc.	%Rec	DL	EMPC
236	236 Total Nona-PCBs				0.887	5.009	0.00		0.000		NO	25.55		2.29	65.00
237	237 Deca-CB				0.863	5.009	0.00		0.000		NO	46.50		0.423	46.50
238	238 Total PCBs														

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Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_5-17-21.mdb 17 May 2021 16:25:28  
 Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 18:49:42

ID: 2105047-04 USMPDI-035SG-210504 10.3, Description: USMPDI-035SG-210504

**Total Mono-PCBs**

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 PCB-1	15.58	15.59	1.442e4	4.567e3	8.210e2	2.928e2	2.80	NO	1.114e3	4.7352	4.7352	0.328
2 PCB-2	17.99	17.99	3.429e4	1.249e4	2.052e3	7.669e2	2.68	NO	2.819e3	11.721	11.721	0.337
3 PCB-3	18.22	18.23	1.711e4	5.544e3	1.039e3	3.065e2	3.39	NO	1.345e3	5.7029	5.7029	0.344

**Total Di-PCBs**

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 PCB-4/10	19.64	19.58	2.385e4	1.893e4	1.683e3	1.359e3	1.24	YES	3.042e3	0.00000	15.892	1.96
2 PCB-6	22.08	22.07	2.009e4	1.570e4	1.154e3	1.019e3	1.13	YES	2.173e3	0.00000	8.1674	1.48
3 PCB-5/8	22.49	22.47	7.004e4	5.133e4	4.572e3	3.275e3	1.40	NO	7.847e3	34.553	34.553	1.51
4 PCB-11	24.84	24.84	1.177e5	6.897e4	7.315e3	4.830e3	1.51	NO	1.215e4	48.331	48.331	1.40
5 PCB-15	25.55	25.56	9.075e4	6.186e4	6.172e3	4.398e3	1.40	NO	1.057e4	46.164	46.164	1.54

**2nd Function Tri-PCBs**

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 PCB-19	23.83	23.82	1.371e4	1.421e4	1.014e3	9.747e2	1.04	NO	1.989e3	14.615	14.615	0.938
2 PCB-18	25.49	25.49	7.697e4	6.947e4	4.694e3	4.431e3	1.06	NO	9.125e3	63.217	63.217	0.859
3 PCB-17	25.65	25.66	2.540e4	3.348e4	1.792e3	2.012e3	0.89	NO	3.804e3	28.224	28.224	0.920
4 PCB-24/27	26.23	26.24	9.858e3	1.118e4	7.427e2	7.865e2	0.94	NO	1.529e3	8.1745	8.1745	0.662
5 PCB-16/32	26.79	26.79	3.280e4	3.301e4	3.526e3	3.555e3	0.99	NO	7.082e3	42.813	42.813	0.749

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ID: 2105047-04 USMPDI-035SG-210504 10.3, Description: USMPDI-035SG-210504

3rd Function Tri-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1:Resp	m2:Resp	RA	n/y	Resp	Conc...	EMPC	DL
1	PCB-26	28.16	28.16	2.504e4	2.512e4	1.825e3	1.853e3	0.98	NO	3.678e3	19.357	19.357	0.925
2	PCB-25	28.32	28.33	1.216e4	1.090e4	9.636e2	8.112e2	1.19	NO	1.775e3	9.3343	9.3343	0.925
3	PCB-31	28.70	28.70	1.313e5	1.221e5	9.826e3	9.024e3	1.09	NO	1.885e4	88.083	88.083	0.822
4	PCB-28	28.79	28.79	1.652e5	1.587e5	1.254e4	1.170e4	1.07	NO	2.424e4	115.06	115.06	0.835
5	PCB-20/21/33	29.43	29.44	6.328e4	6.316e4	5.413e3	5.343e3	1.01	NO	1.076e4	56.729	56.729	0.927
6	PCB-22	29.89	29.89	4.809e4	4.319e4	3.888e3	3.501e3	1.11	NO	7.389e3	37.524	37.524	0.893
7	PCB-35	32.35	32.37	5.446e3	5.372e3	4.367e2	3.610e2	1.21	YES	7.978e2	0.00000	3.7035	0.891
8	PCB-37	32.79	32.79	6.833e4	6.690e4	5.786e3	5.299e3	1.09	NO	1.109e4	56.747	56.747	0.907

Vista Analytical Laboratory

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ID: 2105047-04 USMPDI-035SG-210504 10.3, Description: USMPDI-035SG-210504

Total Tetra-PCBs

Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 PCB-54	27.64	27.64	1.707e3	3.087e3	1.052e2	2.302e2	0.46	YES	3.355e2	0.00000	1.4527	0.640
2 PCB-53	29.52	29.52	2.074e4	2.697e4	1.556e3	2.075e3	0.75	NO	3.632e3	29.377	29.377	0.880
3 PCB-51	29.87	29.85	8.076e3	1.034e4	5.991e2	7.423e2	0.81	NO	1.341e3	10.193	10.193	0.826
4 PCB-45	30.32	30.30	1.136e4	1.840e4	9.218e2	1.381e3	0.67	NO	2.303e3	21.798	21.798	1.03
5 PCB-46	30.82	30.82	4.761e3	7.788e3	4.055e2	5.504e2	0.74	NO	9.559e2	9.4242	9.4242	1.07
6 PCB-52/69	31.31	31.29	2.002e5	2.609e5	1.557e4	2.069e4	0.75	NO	3.625e4	254.43	254.43	0.763
7 PCB-73	31.44	31.42	9.540e2	8.590e2	6.787e1	5.642e1	1.20	YES	1.243e2	0.00000	0.58070	0.632
8 PCB-43/49	31.59	31.60	9.589e4	1.306e5	7.803e3	1.034e4	0.75	NO	1.814e4	148.96	148.96	0.893
9 PCB-47	31.83	31.83	4.163e4	5.239e4	3.295e3	4.446e3	0.74	NO	7.741e3	65.042	65.042	0.950
10 PCB-48/75	31.96	31.96	2.094e4	2.634e4	1.638e3	2.053e3	0.80	NO	3.691e3	25.780	25.780	0.790
11 PCB-44	32.65	32.65	1.079e5	1.350e5	8.055e3	1.043e4	0.77	NO	1.849e4	176.87	176.87	1.08
12 PCB-42/59	32.89	32.87	3.659e4	4.688e4	2.801e3	3.485e3	0.80	NO	6.286e3	46.743	46.743	0.841
13 PCB-41/64/71/72	33.48	33.46	1.153e5	1.396e5	9.937e3	1.202e4	0.83	NO	2.196e4	142.60	142.60	0.735
14 PCB-68	33.77	33.71	1.741e3	3.194e3	2.095e2	3.065e2	0.68	NO	5.159e2	3.1448	3.1448	0.690
15 PCB-40	34.00	33.95	1.348e4	1.619e4	1.133e3	1.238e3	0.92	YES	2.370e3	0.00000	27.738	1.43
16 PCB-67	34.65	34.64	5.900e3	5.249e3	4.601e2	4.345e2	1.06	YES	8.946e2	0.00000	4.6214	0.664
17 PCB-58	34.76	34.77	1.775e3	9.570e2	1.089e2	6.221e1	1.75	YES	1.711e2	0.00000	0.62157	0.623
18 PCB-63	34.93	34.92	5.291e3	8.412e3	4.175e2	6.454e2	0.65	YES	1.063e3	0.00000	6.0380	0.695
19 PCB-74	35.22	35.21	7.268e4	9.844e4	5.389e3	7.628e3	0.71	NO	1.302e4	73.106	73.106	0.620
20 PCB-61/70	35.44	35.44	2.015e5	2.654e5	1.527e4	2.007e4	0.76	NO	3.534e4	220.68	220.68	0.689
21 PCB-76/66	35.64	35.64	1.441e5	1.892e5	1.134e4	1.470e4	0.77	NO	2.604e4	148.47	148.47	0.630
22 PCB-55	36.20	36.18	4.142e3	4.078e3	1.032e2	1.520e2	0.68	NO	2.552e2	1.4019	1.4019	0.606
23 PCB-56/60	36.69	36.70	8.842e4	1.151e5	7.052e3	9.146e3	0.77	NO	1.620e4	100.19	100.19	0.683
24 PCB-79	37.82	37.82	4.050e3	7.349e3	1.751e2	2.017e2	0.87	NO	3.768e2	2.0814	2.0814	0.610
25 PCB-78	38.52	38.49	1.413e3	1.461e3	1.055e2	1.103e2	0.96	YES	2.157e2	0.00000	1.1669	0.663
26 PCB-81	39.07	39.10	4.694e3	8.331e3	1.183e2	2.436e2	0.49	YES	3.619e2	0.00000	1.7388	0.709
27 PCB-77	39.68	39.68	2.522e4	3.432e4	2.066e3	2.754e3	0.75	NO	4.820e3	29.427	29.427	0.697

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3rd Function Penta-PCBs

	Name	Pred.R	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	PCB-96	33.80	33.76	3.348e3	2.683e3	3.185e2	2.279e2	1.40	NO	5.464e2	3.8041	3.8041	0.921
2	PCB-103	34.38	34.34	6.477e3	3.578e3	4.438e2	2.658e2	1.67	NO	7.096e2	6.3064	6.3064	1.18
3	PCB-100	34.73	34.69	4.121e3	2.635e3	3.264e2	1.626e2	2.01	YES	4.891e2	0.00000	3.5386	1.12
4	PCB-94	35.17	35.18	2.833e3	2.271e3	1.957e2	1.734e2	1.13	YES	3.691e2	0.00000	3.4124	1.42
5	PCB-95/98/102	35.67	35.75	2.659e5	1.718e5	2.104e4	1.372e4	1.53	NO	3.476e4	286.58	286.58	1.10
6	PCB-93	35.79	35.81	3.174e4	1.773e4	5.291e2	3.306e2	1.60	NO	8.598e2	9.9667	9.9667	1.55
7	PCB-88/91	36.14	36.16	5.080e4	3.253e4	3.818e3	2.361e3	1.62	NO	6.179e3	59.921	59.921	1.30
8	PCB-121	36.25	36.22	6.219e3	3.653e3	9.026e1	6.487e1	1.39	NO	1.551e2	0.93485	0.93485	0.806
9	PCB-84/92	37.09	37.09	1.457e5	9.539e4	1.113e4	7.355e3	1.51	NO	1.849e4	187.28	187.28	1.37
10	PCB-89	37.27	37.30	4.308e3	2.502e3	3.172e2	1.827e2	1.74	NO	4.998e2	4.7237	4.7237	1.27
11	PCB-90/101	37.48	37.48	4.046e5	2.334e5	3.080e4	1.850e4	1.66	NO	4.931e4	455.79	455.79	1.25
12	PCB-113	37.73	37.74	4.728e3	3.820e3	1.599e2	1.218e2	1.31	YES	2.817e2	0.00000	1.7442	0.896
13	PCB-99	37.82	37.82	1.701e5	1.044e5	1.318e4	7.759e3	1.70	NO	2.094e4	176.35	176.35	1.14
14	PCB-119	38.30	38.30	9.894e3	7.091e3	8.186e2	5.400e2	1.52	NO	1.359e3	9.2744	9.2744	0.916
15	PCB-108/112	38.46	38.47	1.850e4	1.119e4	1.411e3	8.848e2	1.59	NO	2.296e3	19.254	19.254	1.13
16	PCB-97	38.82	38.82	8.981e4	6.152e4	7.264e3	4.889e3	1.49	NO	1.215e4	112.99	112.99	1.25
17	PCB-87/117/125	39.12	39.12	1.573e5	1.155e5	1.225e4	8.589e3	1.43	NO	2.084e4	162.45	162.45	1.05
18	PCB-111/115	39.27	39.27	1.080e4	6.691e3	7.141e2	4.505e2	1.59	NO	1.165e3	7.5268	7.5268	0.868
19	PCB-85/116	39.40	39.38	6.256e4	3.721e4	5.188e3	2.920e3	1.78	NO	8.107e3	68.743	68.743	1.14
20	PCB-120	39.64	39.64	2.604e3	1.461e3	1.795e2	1.059e2	1.70	NO	2.854e2	1.6633	1.6633	0.782
21	PCB-110	39.79	39.81	5.201e5	3.233e5	4.040e4	2.499e4	1.62	NO	6.539e4	455.55	455.55	0.935
22	PCB-82	40.45	40.44	3.310e4	2.047e4	2.511e3	1.651e3	1.52	NO	4.161e3	47.365	47.365	1.60
23	PCB-124	41.17	41.17	1.639e4	1.186e4	1.566e3	1.054e3	1.48	NO	2.620e3	17.634	17.634	0.945
24	PCB-107/109	41.32	41.32	3.032e4	2.184e4	2.447e3	1.637e3	1.49	NO	4.085e3	26.744	26.744	0.919
25	PCB-123	41.49	41.48	9.470e3	6.127e3	7.797e2	4.471e2	1.74	NO	1.227e3	8.8993	8.8993	1.02
26	PCB-106/118	41.69	41.67	3.847e5	2.486e5	3.114e4	2.004e4	1.55	NO	5.118e4	372.38	372.38	1.01

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4th Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-114	42.35	42.35	9.030e3	5.922e3	7.648e2	5.156e2	1.48	NO	1.280e3	9.8188	9.8188	1.78
2	PCB-122	42.50	42.48	5.689e3	3.180e3	4.756e2	2.460e2	1.93	YES	7.216e2	0.00000	5.6271	2.07
3	PCB-105	43.24	43.24	1.503e5	8.926e4	1.220e4	7.473e3	1.63	NO	1.968e4	154.01	154.01	1.88
4	PCB-126	45.53	45.55	7.847e3	5.094e3	6.124e2	3.792e2	1.62	NO	9.916e2	7.4900	7.4900	1.81

3rd Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-152	38.80	38.82	9.860e2	6.910e2	7.322e1	4.639e1	1.58	YES	1.196e2	0.00000	0.83956	0.448
2	PCB-136	39.60	39.60	4.785e4	3.481e4	3.644e3	2.656e3	1.37	NO	6.301e3	58.831	58.831	0.518
3	PCB-148	39.72	39.74	9.050e2	1.534e3	5.647e1	8.509e1	0.66	YES	1.416e2	0.00000	1.2598	0.685
4	PCB-154	40.22	40.22	5.114e3	4.965e3	3.603e2	3.373e2	1.07	NO	6.976e2	7.9634	7.9634	0.633
5	PCB-151	40.87	40.89	5.640e4	4.614e4	4.251e3	3.579e3	1.19	NO	7.830e3	95.552	95.552	0.677
6	PCB-135	41.09	41.11	3.112e4	2.583e4	2.622e3	2.126e3	1.23	NO	4.748e3	54.020	54.020	0.631
7	PCB-144	41.20	41.22	1.246e4	1.007e4	8.437e2	7.005e2	1.20	NO	1.544e3	18.372	18.372	0.660
8	PCB-147	41.35	41.35	5.830e3	6.660e3	4.148e2	4.631e2	0.90	YES	8.779e2	0.00000	8.6473	0.640
9	PCB-139/149	41.61	41.61	2.219e5	1.744e5	1.697e4	1.345e4	1.26	NO	3.042e4	323.71	323.71	0.590
10	PCB-140	41.82	41.82	2.242e3	1.533e3	1.748e2	1.033e2	1.69	YES	2.781e2	0.00000	2.9171	0.700

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4th Function Hexa-PCBs

	Name	Pred.Ret	RT	m1 Height	m2 Height	m1-Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-134/143	42.27	42.29	1.714e4	1.272e4	1.305e3	9.870e2	1.32	NO	2.292e3	29.223	29.223	2.01
2	PCB-131/133	42.57	42.57	8.393e3	6.203e3	7.464e2	5.200e2	1.44	YES	1.266e3	0.00000	13.885	1.88
3	PCB-146/165	42.97	42.99	5.179e4	4.132e4	4.179e3	3.313e3	1.26	NO	7.492e3	72.670	72.670	1.53
4	PCB-132/161	43.22	43.26	9.681e4	7.219e4	7.174e3	5.588e3	1.28	NO	1.276e4	122.02	122.02	1.51
5	PCB-153	43.41	43.41	3.107e5	2.520e5	2.513e4	2.046e4	1.23	NO	4.560e4	421.41	421.41	1.46
6	PCB-141	44.16	44.17	5.688e4	4.477e4	4.527e3	3.415e3	1.33	NO	7.942e3	93.564	93.564	1.77
7	PCB-137	44.56	44.56	1.553e4	1.539e4	1.207e3	1.173e3	1.03	YES	2.380e3	0.00000	25.282	1.75
8	PCB-130	44.68	44.66	2.052e4	1.815e4	1.736e3	1.412e3	1.23	NO	3.148e3	43.084	43.084	2.06
9	PCB-138/163/164	45.06	45.04	3.418e5	2.821e5	3.094e4	2.515e4	1.23	NO	5.609e4	502.83	502.83	1.39
10	PCB-158/160	45.30	45.28	4.393e4	3.354e4	3.525e3	2.890e3	1.22	NO	6.415e3	58.310	58.310	1.41
11	PCB-129	45.55	45.55	1.406e4	9.053e3	1.054e3	7.773e2	1.36	NO	1.832e3	23.486	23.486	1.99
12	PCB-128/162	46.66	46.63	5.967e4	4.849e4	4.866e3	3.810e3	1.28	NO	8.676e3	91.058	91.058	1.70
13	PCB-167	47.06	47.06	1.710e4	1.290e4	1.319e3	1.077e3	1.22	NO	2.397e3	21.302	21.302	1.40
14	PCB-156	48.39	48.39	3.965e4	3.673e4	3.406e3	3.018e3	1.13	NO	6.424e3	55.815	55.815	1.35
15	PCB-157	48.68	48.68	1.078e4	8.320e3	8.851e2	7.639e2	1.16	NO	1.649e3	15.907	15.907	1.54
16	PCB-169	50.95	50.97	4.023e3	1.672e3	3.512e2	1.723e2	2.04	YES	5.236e2	0.00000	3.3743	1.42

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Total Hepta-PCBs

	Name	Pred.Rt	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-188	43.03	43.05	5.900e2	7.650e2	3.603e1	4.517e1	0.80	YES	8.120e1	0.00000	0.59097	0.644
2	PCB-179	44.28	44.28	3.620e4	3.866e4	2.889e3	3.021e3	0.96	NO	5.910e3	53.119	53.119	0.689
3	PCB-176	44.75	44.77	1.184e4	1.196e4	9.479e2	9.268e2	1.02	NO	1.875e3	16.271	16.271	0.665
4	PCB-178	45.91	45.89	1.494e4	1.485e4	1.173e3	1.137e3	1.03	NO	2.310e3	26.880	26.880	0.892
5	PCB-175	46.27	46.25	1.827e3	4.182e3	1.688e2	2.830e2	0.60	YES	4.519e2	0.00000	3.7330	0.868
6	PCB-182/187	46.44	46.42	1.015e5	8.675e4	7.446e3	6.783e3	1.10	NO	1.423e4	145.92	145.92	0.786
7	PCB-183	46.76	46.76	3.753e4	3.672e4	2.857e3	3.006e3	0.95	NO	5.863e3	62.227	62.227	0.813
8	PCB-185	47.42	47.44	6.622e3	6.739e3	5.296e2	4.813e2	1.10	NO	1.011e3	12.475	12.475	0.978
9	PCB-174	47.80	47.82	6.141e4	6.580e4	4.682e3	5.027e3	0.93	NO	9.709e3	123.82	123.82	1.01
10	PCB-181	47.90	47.92	1.599e3	1.154e3	6.847e1	6.932e1	0.99	NO	1.378e2	1.5837	1.5837	0.911
11	PCB-177	48.09	48.11	3.359e4	3.216e4	2.732e3	2.651e3	1.03	NO	5.382e3	72.066	72.066	1.06
12	PCB-171	48.39	48.41	1.487e4	1.511e4	1.136e3	1.244e3	0.91	NO	2.380e3	29.870	29.870	0.995
13	PCB-173	48.82	48.86	2.075e3	2.015e3	1.494e2	1.498e2	1.00	NO	2.992e2	4.2821	4.2821	1.13
14	PCB-172	49.30	49.32	1.073e4	1.114e4	8.744e2	8.764e2	1.00	NO	1.751e3	21.282	21.282	0.964
15	PCB-180	49.72	49.74	1.438e5	1.369e5	1.147e4	1.110e4	1.03	NO	2.256e4	264.94	264.94	0.931
16	PCB-193	49.93	49.94	9.802e3	1.144e4	8.145e2	8.939e2	0.91	NO	1.708e3	17.742	17.742	0.823
17	PCB-191	50.19	50.21	3.949e3	2.420e3	2.801e2	1.989e2	1.41	YES	4.790e2	0.00000	4.1384	0.804
18	PCB-170	51.39	51.38	5.789e4	5.462e4	4.418e3	4.239e3	1.04	NO	8.657e3	113.85	113.85	1.02
19	PCB-190	51.58	51.57	1.652e4	1.594e4	1.314e3	1.374e3	0.96	NO	2.688e3	27.038	27.038	0.782
20	PCB-189	53.04	53.03	6.403e3	7.064e3	5.598e2	5.693e2	0.98	NO	1.129e3	10.330	10.330	0.635

4th Function Octa-PCBs

	Name	Pred.Rt	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-202	48.64	48.62	1.012e4	9.296e3	7.645e2	6.877e2	1.11	YES	1.452e3	0.00000	13.486	0.602
2	PCB-201	49.13	49.11	4.982e3	5.871e3	3.677e2	4.688e2	0.78	NO	8.364e2	9.5515	9.5515	0.662
3	PCB-197	49.61	49.58	1.421e3	1.541e3	1.126e2	1.301e2	0.87	NO	2.428e2	2.5991	2.5991	0.621
4	PCB-200	50.53	50.53	6.632e3	4.629e3	4.791e2	3.590e2	1.33	YES	8.380e2	0.00000	7.6841	0.657
5	PCB-198	52.05	52.03	2.448e3	2.042e3	1.795e2	1.392e2	1.29	YES	3.187e2	0.00000	3.9036	0.861
6	PCB-199	52.18	52.16	3.861e4	4.352e4	2.795e3	3.021e3	0.93	NO	5.816e3	85.027	85.027	0.848
7	PCB-196/203	52.46	52.46	4.209e4	4.428e4	2.893e3	3.078e3	0.94	NO	5.971e3	81.691	81.691	0.794



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5th Function Octa-PCBs

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-195	53.72	53.72	1.423e4	1.164e4	8.407e2	6.741e2	1.25	YES	1.515e3	0.00000	18.222	0.794
2	PCB-194	54.62	54.62	4.060e4	3.836e4	2.196e3	2.168e3	1.01	NO	4.365e3	56.336	56.336	0.716
3	PCB-205	54.89	54.88	1.689e3	2.554e3	1.012e2	1.580e2	0.64	YES	2.592e2	0.00000	2.3187	0.599

Total Nona-PCBs

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-208	53.87	53.87	1.287e4	9.776e3	7.927e2	5.184e2	1.53	NO	1.311e3	17.200	17.200	0.662
2	PCB-207	54.19	54.19	6.930e3	3.600e3	3.805e2	2.479e2	1.53	NO	6.285e2	8.3535	8.3535	0.671
3	PCB-206	56.18	56.18	2.115e4	1.885e4	1.289e3	1.168e3	1.10	YES	2.457e3	0.00000	39.445	0.954

Deca-CB

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-209	57.42	57.44	2.215e4	2.006e4	1.438e3	1.333e3	1.08	NO	2.770e3	46.496	46.496	0.423

Total PCBs

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1													

Total Mono-Isotopes

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-1	15.57	15.57	6.409e6	1.993e6	3.644e5	1.120e5	3.25	NO	4.764e5	1421.9		2.42
2	13C-PCB-3	18.20	18.20	6.022e6	1.795e6	3.601e5	1.096e5	3.28	NO	4.697e5	1407.3		2.43

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**Total Di-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-4	19.55	19.56	2.877e6	1.820e6	1.761e5	1.112e5	1.58	NO	2.873e5	1340.7		1.10
2	13C-PCB-9	21.37	21.37	4.619e6	2.958e6	2.846e5	1.799e5	1.58	NO	4.646e5	1354.0		0.688
3	13C-PCB-11	24.82	24.82	4.314e6	2.817e6	2.740e5	1.755e5	1.56	NO	4.495e5	1353.1		0.711
4	13C-PCB-15	25.53	25.54	6.731e6	4.376e6	4.355e5	2.782e5	1.57	NO	7.137e5	1996.2		0.660

**2nd Function Tri-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-19	23.77	23.80	2.092e6	2.067e6	1.407e5	1.388e5	1.01	NO	2.794e5	1543.2		13.6
2	13C-PCB-32	26.76	26.76	3.120e6	3.025e6	2.037e5	1.969e5	1.03	NO	4.005e5	1518.1		9.31

**3rd Function Tri-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-31	28.67	28.66	3.896e6	3.822e6	2.859e5	2.779e5	1.03	NO	5.638e5	1996.2		9.33
2	13C-PCB-28	28.75	28.77	2.789e6	2.599e6	2.133e5	2.014e5	1.06	NO	4.147e5	1385.7		8.81
3	13C-PCB-37	32.75	32.78	2.543e6	2.359e6	1.960e5	1.834e5	1.07	NO	3.794e5	1372.4		9.53

**Tetra-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-54	27.61	27.62	2.033e6	2.620e6	1.497e5	1.915e5	0.78	NO	3.412e5	1419.3		1.83
2	13C-PCB-52	31.25	31.27	1.534e6	1.947e6	1.153e5	1.476e5	0.78	NO	2.628e5	1364.0		2.28
3	13C-PCB-47	31.77	31.81	1.546e6	1.960e6	1.209e5	1.546e5	0.78	NO	2.755e5	1349.9		2.16
4	13C-PCB-70	35.40	35.42	1.884e6	2.424e6	1.438e5	1.831e5	0.79	NO	3.269e5	1359.5		1.83
5	13C-PCB-80	35.84	35.85	1.964e6	2.571e6	1.498e5	1.915e5	0.78	NO	3.413e5	1373.8		1.77
6	13C-PCB-60	36.69	36.68	2.708e6	3.519e6	2.155e5	2.736e5	0.79	NO	4.891e5	1996.2		1.79
7	13C-PCB-79	37.79	37.78	2.029e6	2.612e6	1.579e5	2.001e5	0.79	NO	3.579e5	1410.2		1.73
8	13C-PCB-81	39.04	39.05	1.915e6	2.417e6	1.468e5	1.851e5	0.79	NO	3.319e5	1361.5		1.80
9	13C-PCB-77	39.66	39.66	1.785e6	2.283e6	1.408e5	1.768e5	0.80	NO	3.175e5	1326.7		1.84

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ID: 2105047-04 USMPDI-035SG-210504 10.3, Description: USMPDI-035SG-210504

3rd Function Penta-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-104	32.44	32.48	2.408e6	1.527e6	1.786e5	1.133e5	1.58	NO	2.919e5	1376.7		1.03
2	13C-PCB-95	35.70	35.72	1.858e6	1.169e6	1.393e5	8.682e4	1.60	NO	2.261e5	1374.9		1.33
3	13C-PCB-101	37.46	37.47	1.920e6	1.240e6	1.451e5	9.351e4	1.55	NO	2.386e5	1357.4		1.25
4	13C-PCB-97	38.79	38.81	1.560e6	9.616e5	1.174e5	7.373e4	1.59	NO	1.911e5	1333.2		1.53
5	13C-PCB-111	39.26	39.25	3.385e6	2.165e6	2.552e5	1.662e5	1.54	NO	4.214e5	1996.2		1.04
6	13C-PCB-123	41.46	41.47	2.145e6	1.344e6	1.688e5	1.062e5	1.59	NO	2.750e5	1343.1		1.07
7	13C-PCB-118	41.63	41.65	2.099e6	1.335e6	1.639e5	1.045e5	1.57	NO	2.683e5	1269.8		1.04

4th Function Penta-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-114	42.31	42.33	1.877e6	1.210e6	1.473e5	9.282e4	1.59	NO	2.402e5	1322.8		2.33
2	13C-PCB-105	43.19	43.22	1.856e6	1.169e6	1.512e5	9.537e4	1.59	NO	2.465e5	1320.0		2.26
3	13C-PCB-127	43.55	43.56	1.964e6	1.256e6	1.557e5	1.002e5	1.55	NO	2.560e5	1315.9		2.17
4	13C-PCB-126	45.51	45.51	1.705e6	1.123e6	1.381e5	9.159e4	1.51	NO	2.296e5	1189.9		2.19

4th Function Hexa-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-153	43.37	43.37	1.490e6	1.233e6	1.198e5	9.830e4	1.22	NO	2.181e5	1416.5		2.89
2	13C-PCB-141	44.13	44.15	1.290e6	1.034e6	9.907e4	7.961e4	1.24	NO	1.787e5	1405.4		3.50
3	13C-PCB-138	44.99	45.00	1.353e6	1.083e6	1.073e5	8.564e4	1.25	NO	1.930e5	1427.4		3.29
4	13C-PCB-159	46.34	46.35	1.534e6	1.233e6	1.267e5	1.008e5	1.26	NO	2.275e5	1391.3		2.72
5	13C-PCB-128	46.63	46.61	1.695e6	1.288e6	1.328e5	1.014e5	1.31	NO	2.342e5	1996.2		3.79
6	13C-PCB-167	47.04	47.05	1.591e6	1.330e6	1.273e5	1.065e5	1.20	NO	2.339e5	1397.9		2.66
7	13C-PCB-156	48.37	48.37	1.505e6	1.208e6	1.190e5	9.727e4	1.22	NO	2.162e5	1376.5		2.83
8	13C-PCB-157	48.66	48.66	1.469e6	1.178e6	1.198e5	9.582e4	1.25	NO	2.156e5	1352.3		2.79
9	13C-PCB-169	50.93	50.93	1.502e6	1.189e6	1.241e5	9.567e4	1.30	NO	2.198e5	1406.6		2.85

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ID: 2105047-04 USMPDI-035SG-210504 10.3, Description: USMPDI-035SG-210504

5th Function Octa-Isotopes

	Name	Pred.R	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	13C-PCB-194	54.60	54.60	1.321e6	1.385e6	7.074e4	7.507e4	0.94	NO	1.458e5	1511.4		3.40
2	13C-PCB-205	54.93	54.88	2.289e6	2.512e6	1.284e5	1.429e5	0.90	NO	2.713e5	1996.2		2.41

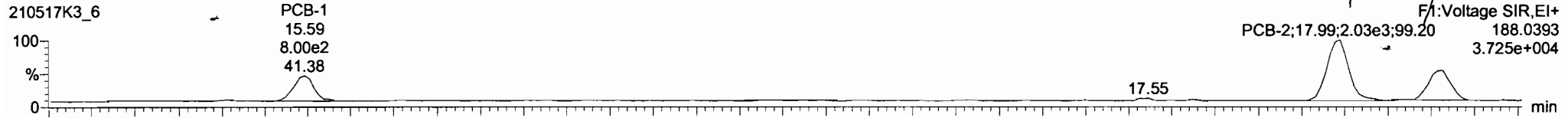
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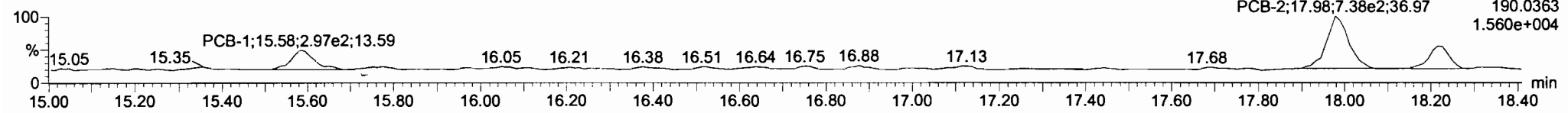
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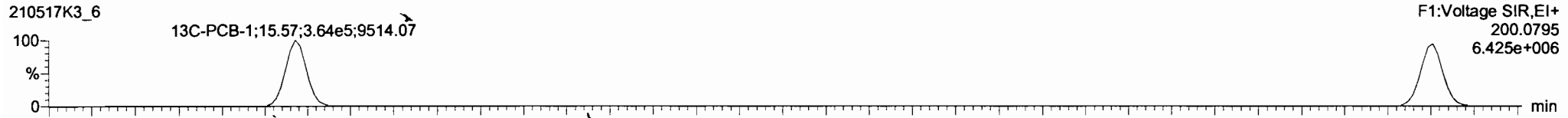
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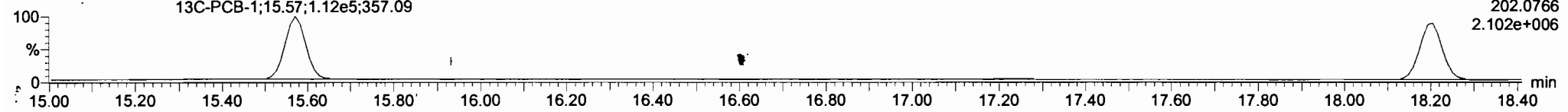
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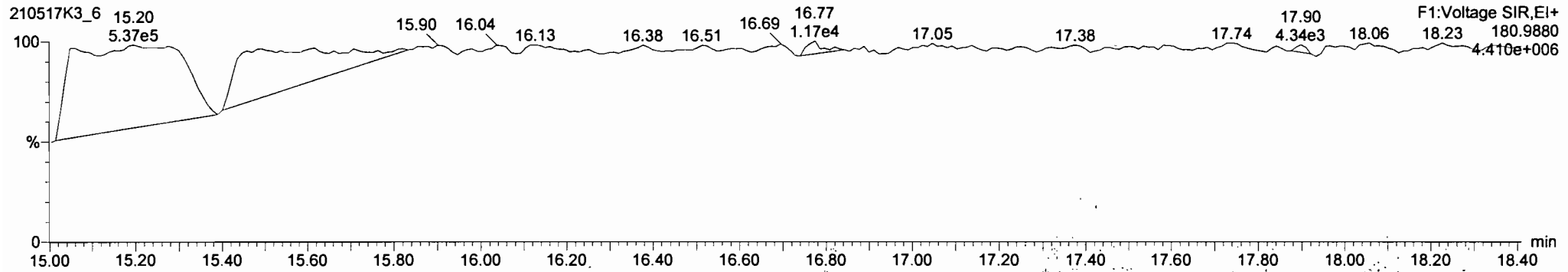
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210517K3\_6



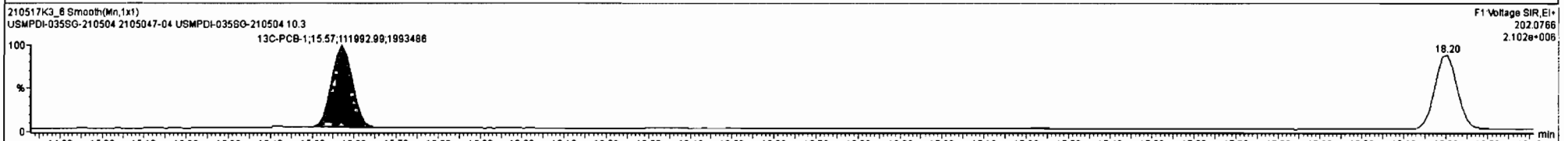
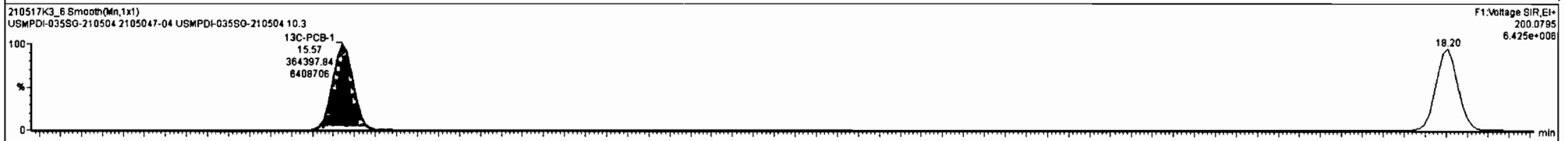
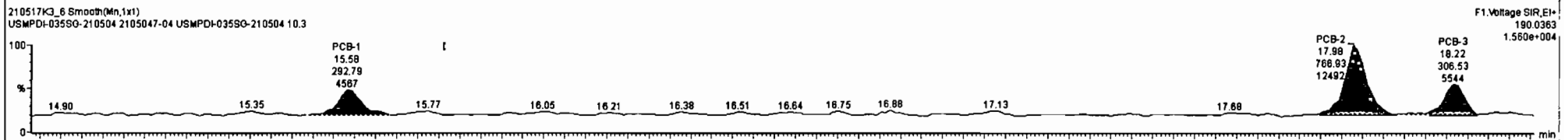
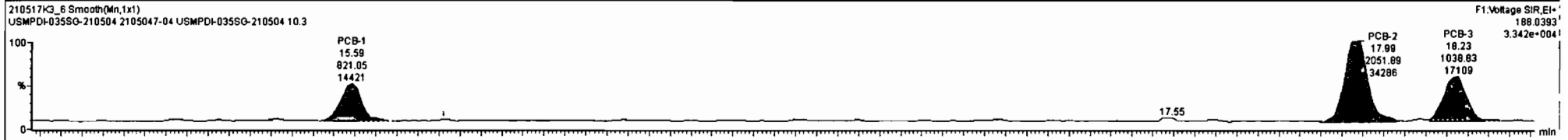
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210517K3\_6 - 2105047-04 USMPDI-035SG-210504 10.3 - USMPDI-035SG-210504

#	Name	Resp	% RA	Inj	RRF	Vol	Prod RT	RT	Prod RT	RRT	RRT Fail	% Conc	% Rec	Conc	DL	EMPC
224	Total Mono-PCBs		1.0034	5.009	0.00	0.000	NO	22.16	2.101	22.16						
225	Total Di-PCBs		1.0367	5.009	0.00	0.000	NO	151.6						12.5	151.6	
226	2nd Function Tri-PCBs		0.9434	5.009	0.00	0.000	NO	84.98						4.72	128.7	
227	3rd Function Tri-PCBs		0.9687	5.009	0.00	0.000	NO	383.4						12.7	386.9	
228	Total Tetra-PCBs		0.9910	5.009	0.00	0.000	NO	151.8						24.6	148.7	

#	Name	Prod RT	RT	m1 Resp	m2 Resp	1* Ratio (Prod)	% RA	Inj	EMPC	Conc
1	PCB-1	15.58	15.59	8.210e2	2.926e2	3.130	2.80	NO	4.7352	4.7352
2	PCB-2	17.99	17.99	2.052e3	7.899e2	3.130	2.68	NO	11.721	11.721
3	PCB-3	18.22	18.23	1.039e3	3.065e2	3.130	3.39	NO	5.7029	5.7029

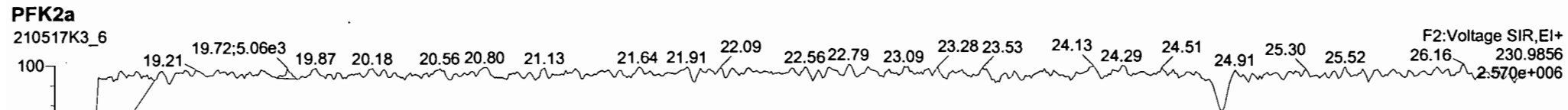
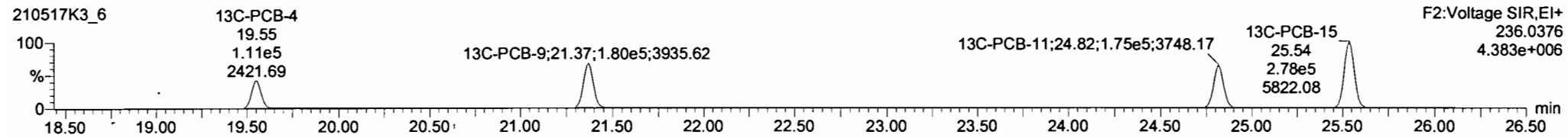
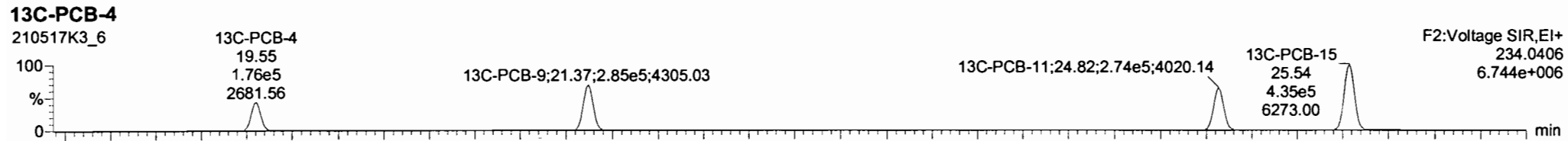
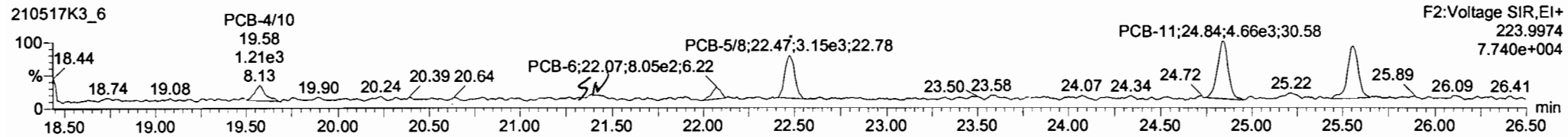
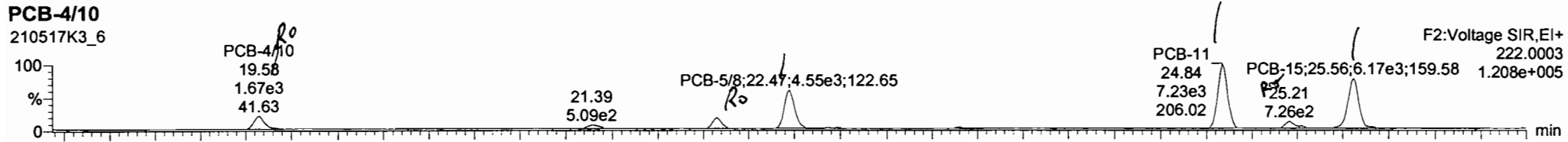


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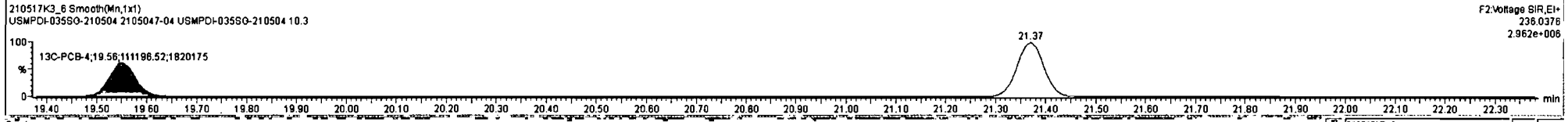
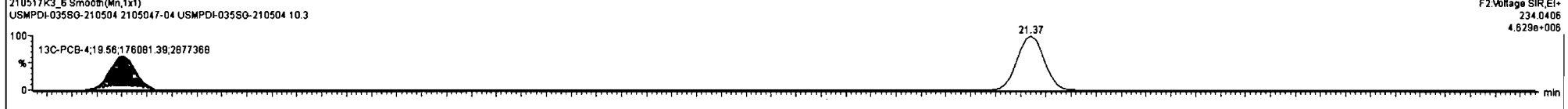
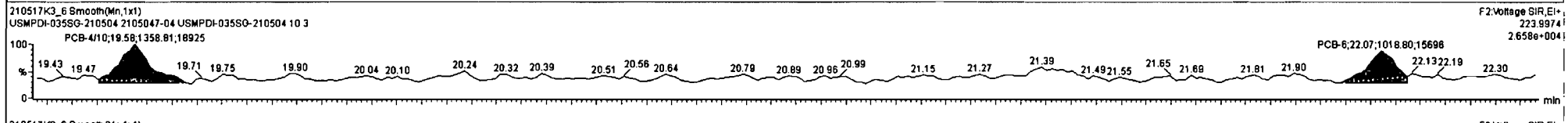
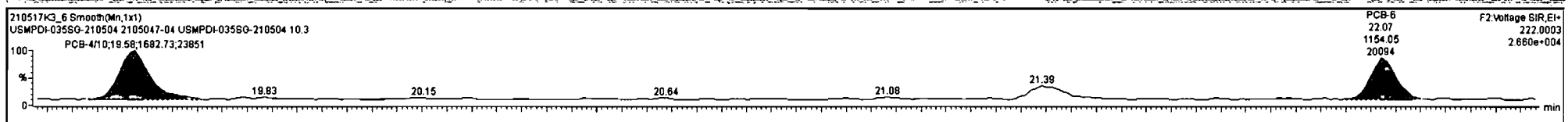
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210517K3\_6 - 2105047-04 USMPDI-0355G-210504 10.3 - USMPDI-0355S-210504

PK#	#	Name	Resp	RA	Z/Ny	RWF	Fwt/Vol	Pred RT	RT	Prod R	NRT	NRT Fail	Conc	%Rec	DL	EMPC
223	223	13C-PCB-178	1.35e5	0.46	NO	1.0180	5.009	45.85	45.87	0.923	0.923	NO	2024	101		3.78
224	224	Total Mono-PCBs				1.0034	5.009	0.00		0.000		NO	22.16		1.01	22.16
225	225	Total Di-PCBs				1.0067	5.009	0.00		0.000		NO	129.0		12.5	153.1
226	226	2nd Function Tri-PCBs				0.9434	5.009	0.00		0.000		NO	84.98		4.72	128.7
227	227	3rd Function Tetr-PCBs				0.9997	5.009	0.00		0.000		NO	393.4		17.7	398.0

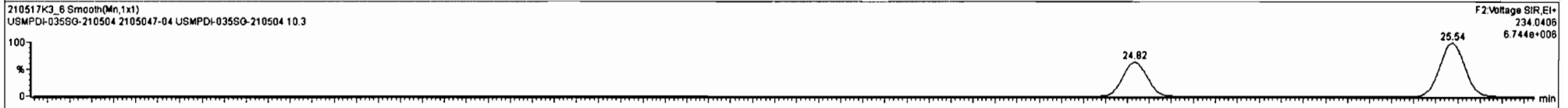
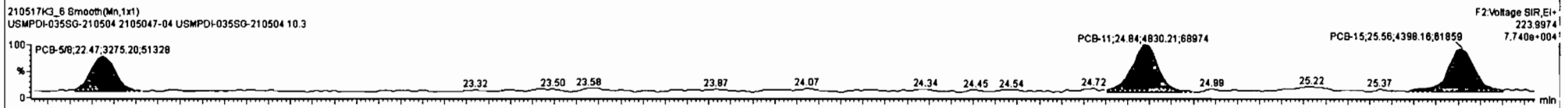
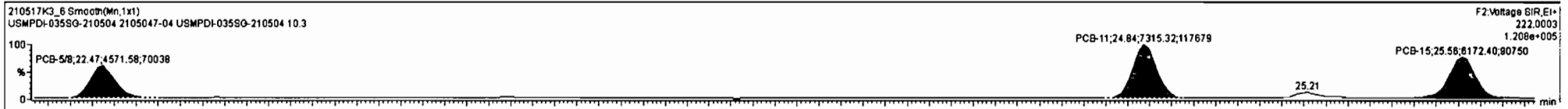
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	Z/Ny	EMPC	Conc
1	PCB-4/10	19.64	19.58	1.883e3	1.359e3	1.580	1.24	YES	15.892	0.00000
2	PCB-6	22.08	22.07	1.154e3	1.019e3	1.580	1.13	YES	8.1674	0.00000
3	PCB-5/8	22.49	22.47	4.572e3	3.275e3	1.580	1.40	NO	34.553	34.553
4	PCB-11	24.84	24.84	7.315e3	4.830e3	1.580	1.51	NO	48.331	48.331
5	PCB-15	25.55	25.56	8.172e3	4.390e3	1.580	1.40	NO	48.184	48.184





#	Name	Resp	RA	nly	RRF	FW/Vol	Prod RT	RT	Prod R	RR1	RR1 Fail	Conc	%Rec	DL	EMPC
223	13C-PCB-178	1.35e5	0.46	NO	1.0180	5.009	45.85	45.87	0.923	0.923	NO	2024	101	3.78	
224	224 Total Mono-PCBs				1.0034	5.009	0.00		0.000		NO	22.16		1.01	22.16
225	225 Total Di-PCBs				1.0367	5.009	0.00		0.000		NO	129.0		12.5	153.1
226	226 2nd Function Tri-PCBs				0.9434	5.009	0.00		0.000		NO	64.98		4.72	126.7
227	227 2nd Function Tetra-PCBs				0.9987	5.009	0.00		0.000		NO	17.7		1.98	9.9

#	Name	Prod RT	RT	m1 Resp	m2 Resp	1st Ratio (Prod)	RA	nly	EMPC	Conc
1	4 PCB-4/10	19.84	19.58	1.683e3	1.359e3	1.580	1.24	YES	15.952	0.00000
2	6 PCB-6	22.08	22.07	1.154e3	1.019e3	1.580	1.13	YES	8.1674	0.00000
3	7 PCB-5/8	22.49	22.47	4.572e3	3.275e3	1.580	1.40	NO	34.553	34.553
4	9 PCB-11	24.84	24.84	7.315e3	4.830e3	1.580	1.51	NO	48.331	48.331
5	11 PCB-15	25.55	25.56	8.172e3	4.398e3	1.580	1.40	NO	48.184	48.184

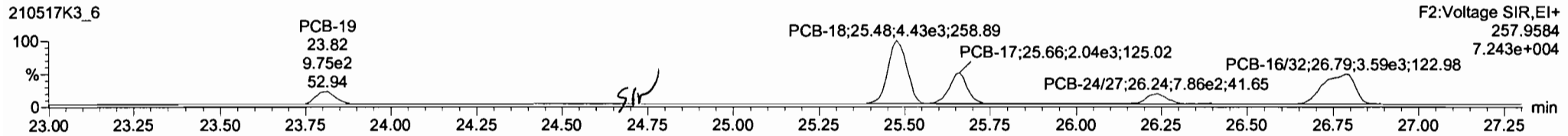
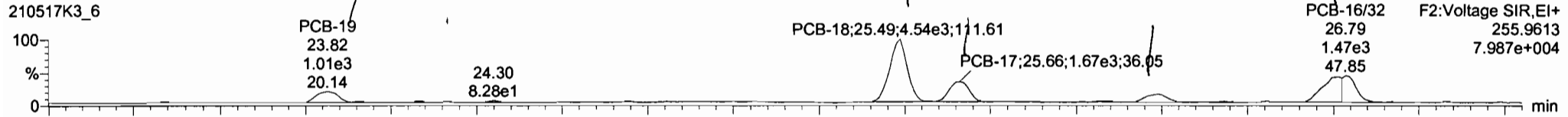


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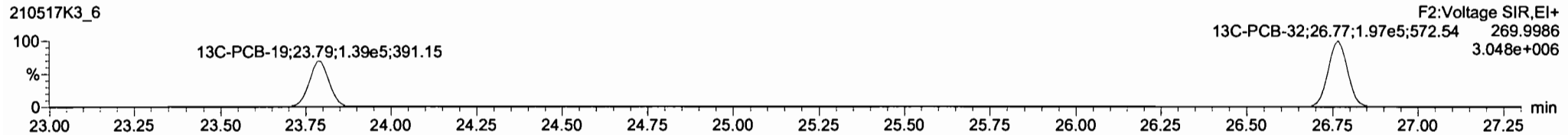
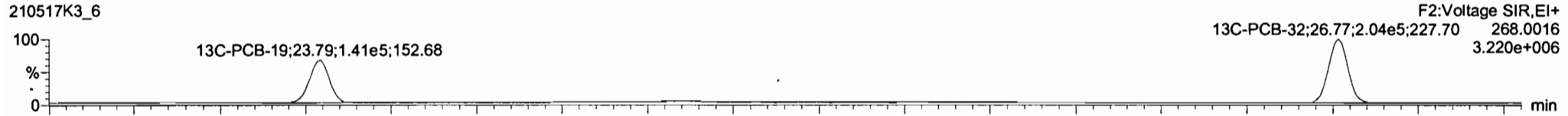
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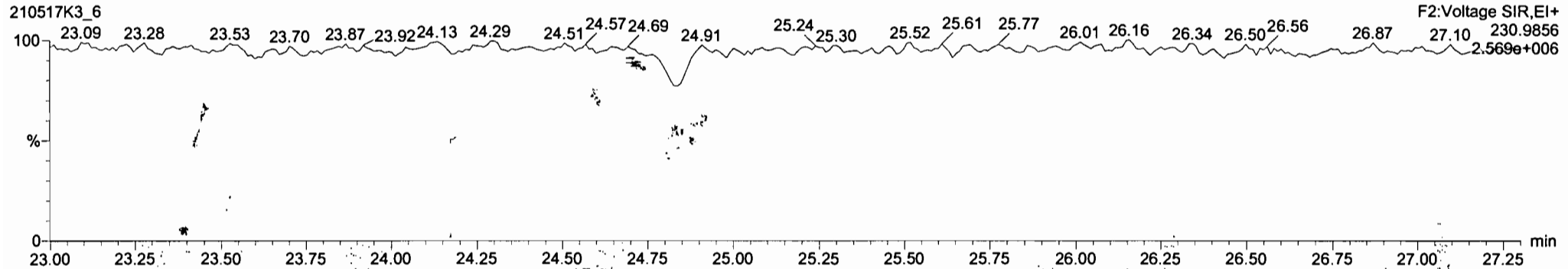
**PCB-19**



**13C-PCB-19**



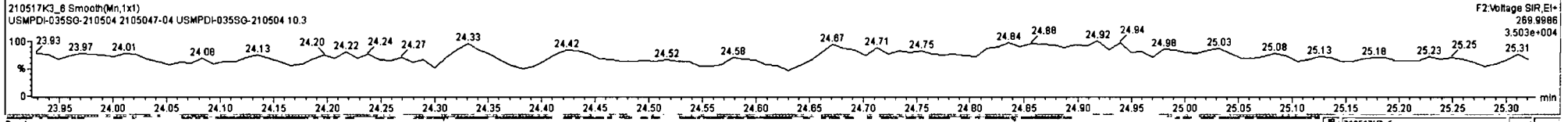
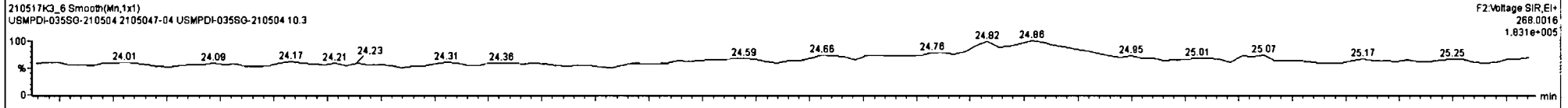
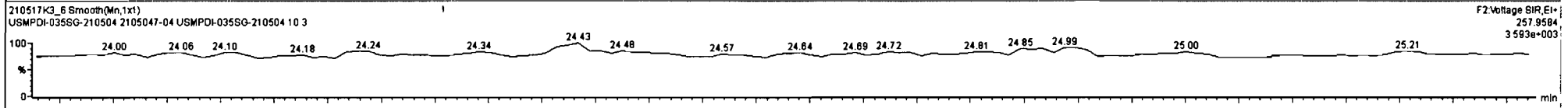
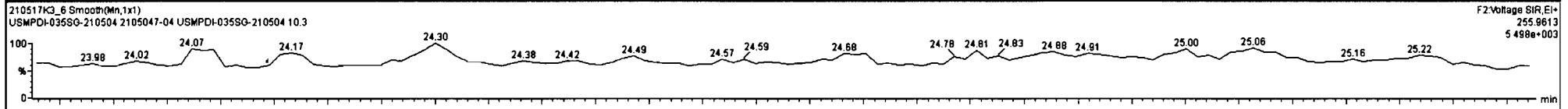
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210517K3\_6 - 2105047-04 USMPDI-035SQ-210504 10.3 - USMPDI-035SQ-210504

#	Name	Resp	RA	n/y	RRF	wtVol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
223	13C-PCB-178	1.35e5	0.46	NO	1.0180	5.009	45.85	45.87	0.923	0.923	NO	2024	101	3.78	
224	Total Mono-PCBs				1.0034	5.009	0.00	0.00			NO	22.16		1.01	22.16
225	Total Di-PCBs				1.0367	5.009	0.00	0.00			NO	129.0		12.5	153.1
226	2nd Function Tri-PCBs				0.9434	5.009	0.00	0.00			NO	157.0		4.72	157.0
227	2nd Function Tetra-PCBs														

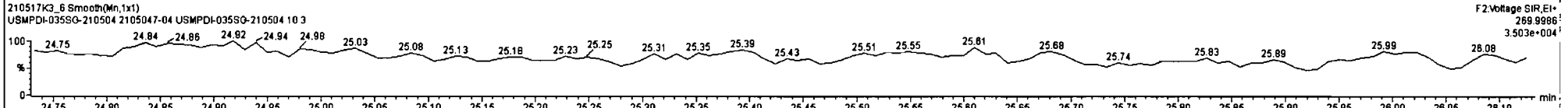
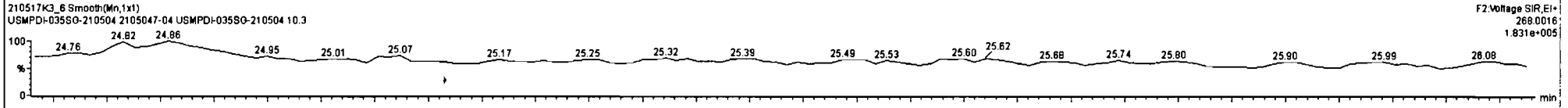
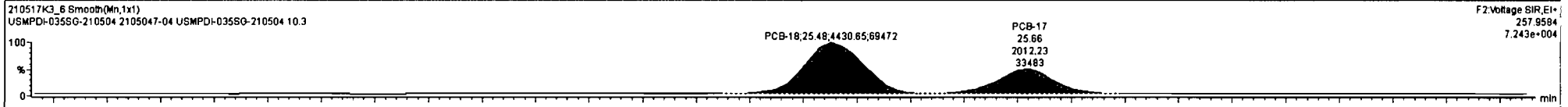
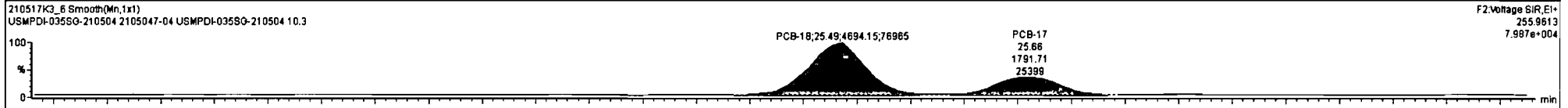
#	SI	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	m RA	n/y	EMPC	Conc
1	12	PCB-19	23.83	23.82	1.014e3	9.747e2	1.040	1.04	NO	14.815	14.815
2	14	PCB-18	25.49	25.49	4.894e3	4.431e3	1.040	1.06	NO	83.217	83.217
3	15	PCB-17	25.65	25.66	1.792e3	2.012e3	1.040	0.89	NO	28.224	28.224
4	16	PCB-24/27	26.23	26.24	7.427e2	7.865e2	1.040	0.94	NO	8.1745	8.1745
5	17	PCB-18/22	28.79	28.79	3.526e3	3.555e3	1.040	0.99	NO	42.813	42.813



210517K3\_6 - 2105047-04 USMPDI-035SQ-210504 10.3 - USMPDI-035SQ-210504

#	Name	Resp	RA	n/y	RF	wt/Vol	lPred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec.	DU	EMPC
223	13C-PCB-178	1.35e5	0.46	NO	1.0180	5.009	45.85	45.87	0.923	0.923	NO	2024	101	3.78	
224	Total Mono-PCBs				1.0034	5.009	0.00		0.000		NO	22.16		1.01	22.16
225	Total Di-PCBs				1.0367	5.009	0.00		0.000		NO	129.0		12.5	153.1
226	2nd Function Tri-PCBs				0.9434	5.009	0.00		0.000		NO	157.0		17.2	157.0
227	3rd Function Tetr-PCBs				0.9987	5.009	0.00		0.000		NO	177.0		17.7	177.0

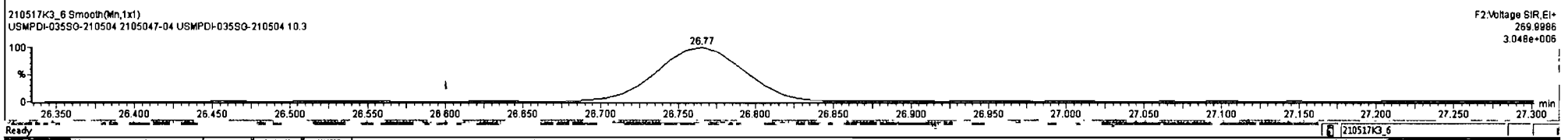
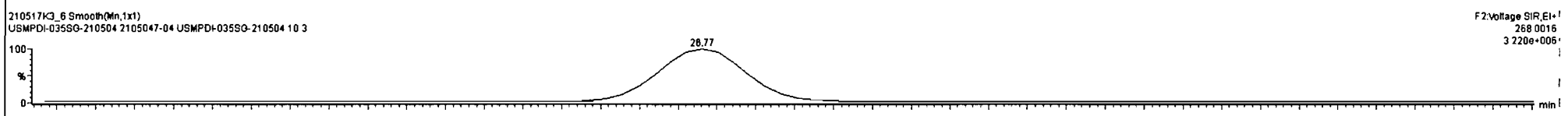
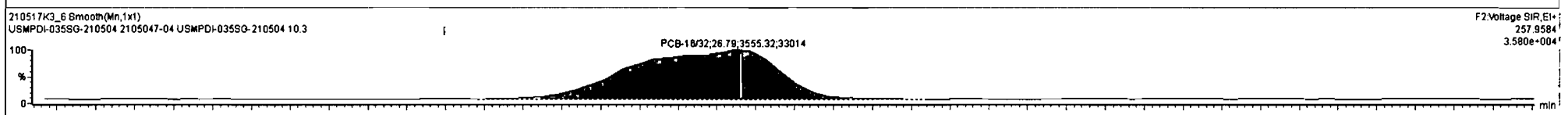
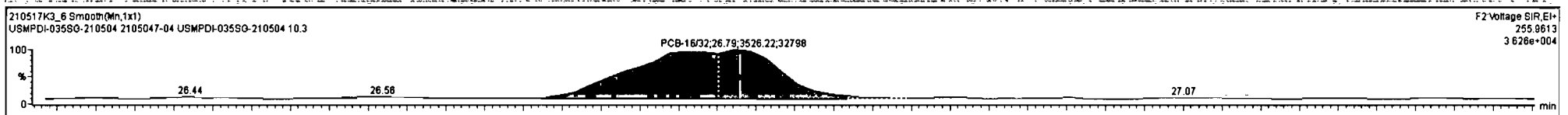
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	12 PCB-19	23.83	23.82	1.014e3	9.747e2	1.040	1.04	NO	14.615	14.615
2	14 PCB-16	25.49	25.49	4.894e3	4.431e3	1.040	1.08	NO	63.217	63.217
3	15 PCB-17	25.65	25.66	1.792e3	2.012e3	1.040	0.89	NO	26.224	26.224
4	16 PCB-2427	26.23	26.24	7.427e2	7.865e2	1.040	0.94	NO	8.1745	8.1745
5	17 PCB-1822	26.79	26.79	3.526e3	3.555e3	1.040	0.99	NO	42.813	42.813



210517K3\_6 - 2105047-04 USMPDI-035SQ-210504 10.3 - USMPDI-035SQ-210504

#	Name	Resp	RA	nY	RRF	Fw/Vol	Pred RT	RT	Pred R.A.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
223	13C-PCB-178	1.35e5	0.46	NO	1.0180	5.009	45.85	45.87	0.923	0.923	NO	2024	101	3.78	
224	Total Mono-PCBs				1.0034	5.009	0.00		0.000		NO	22.16		1.01	22.16
225	Total Di-PCBs				1.0387	5.009	0.00		0.000		NO	128.0		12.5	153.1
226	2nd Function Tri-PCBs				0.3434	5.009	0.00		0.000		NO	157.0		4.72	157.0
227	3rd Function Tri-PCBs				0.9887	5.009	0.00		0.000		NO	17.7		3.98	17.7

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	2 <sup>nd</sup> Ratio (Pred)	nY	EMPC	Conc.
1	12 PCB-19	23.83	23.82	1.014e3	9.747e2	1.040	1.04	NO	14.815	14.815
2	14 PCB-18	25.49	25.49	4.894e3	4.431e3	1.040	1.06	NO	63.217	63.217
3	15 PCB-17	25.65	25.86	1.782e3	2.012e3	1.040	0.89	NO	28.224	28.224
4	16 PCB-24/27	26.23	26.24	7.427e2	7.865e2	1.040	0.94	NO	8.1745	8.1745
5	17 PCB-18/22	26.79	26.79	3.526e3	3.555e3	1.040	0.99	NO	42.813	42.813



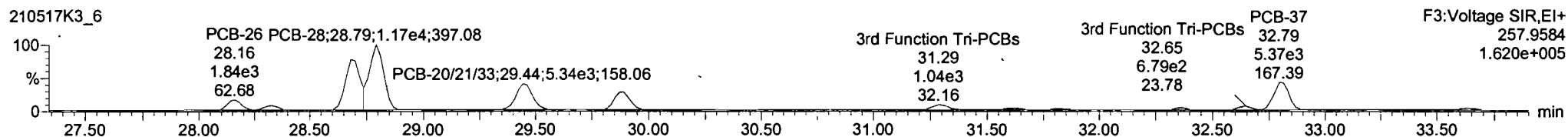
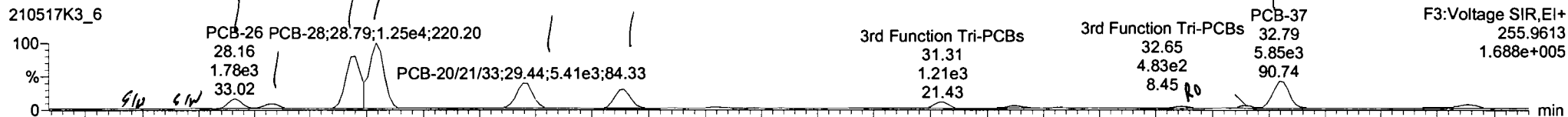
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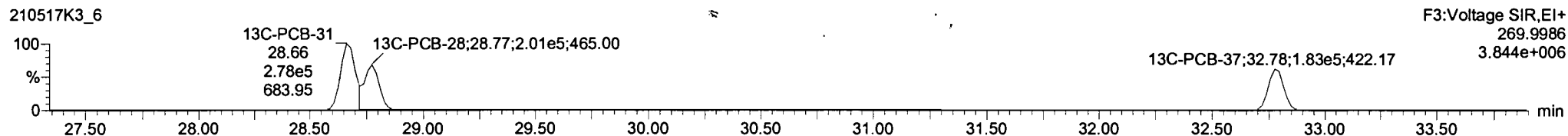
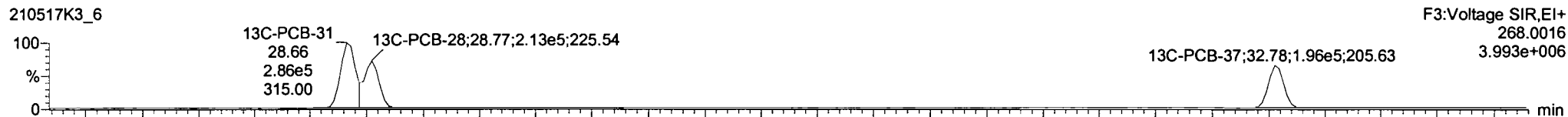
Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

Name: 210517K3\_6, Date: 18-May-2021, Time: 08:06:58, ID: 2105047-04 USMPDI-035SG-210504 10.3, Description: USMPDI-035SG-210504

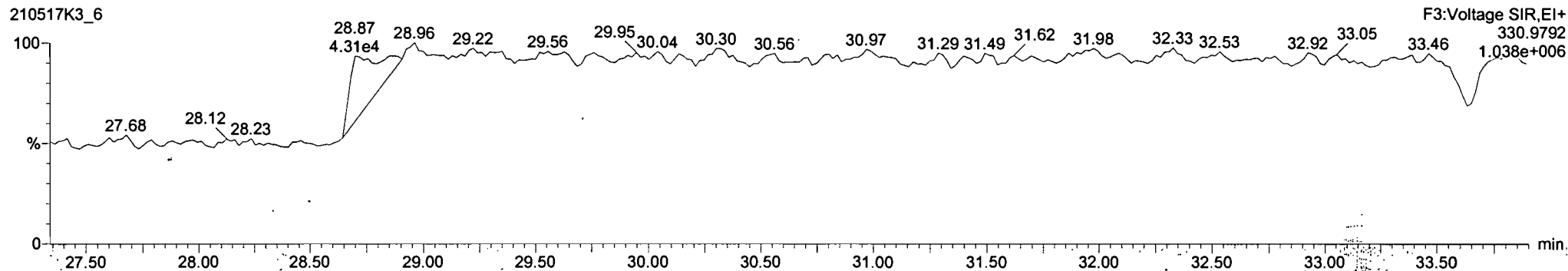
**PCB-34**



**13C-PCB-28**



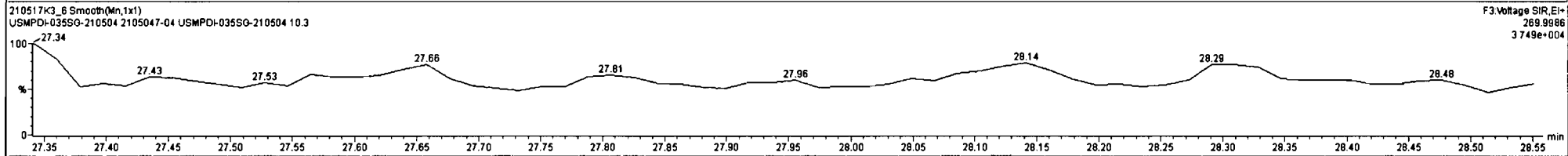
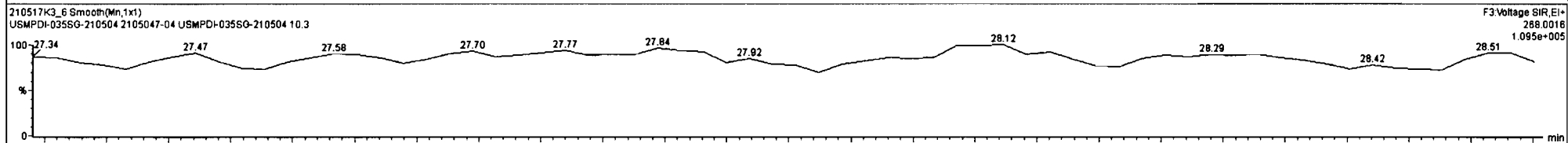
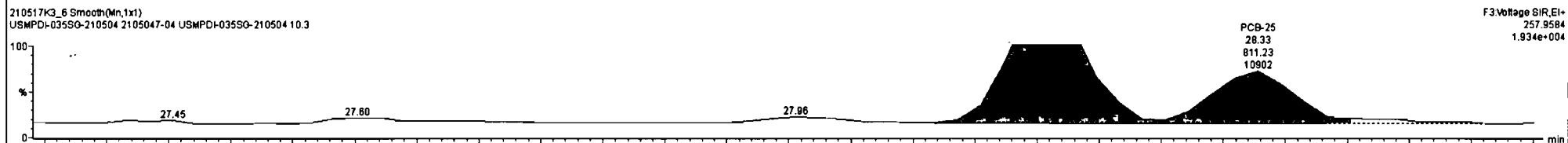
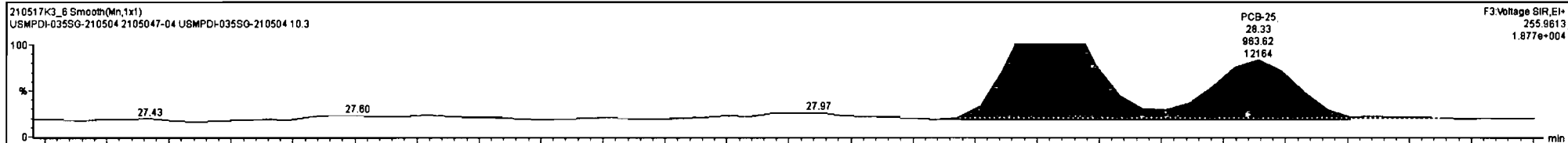
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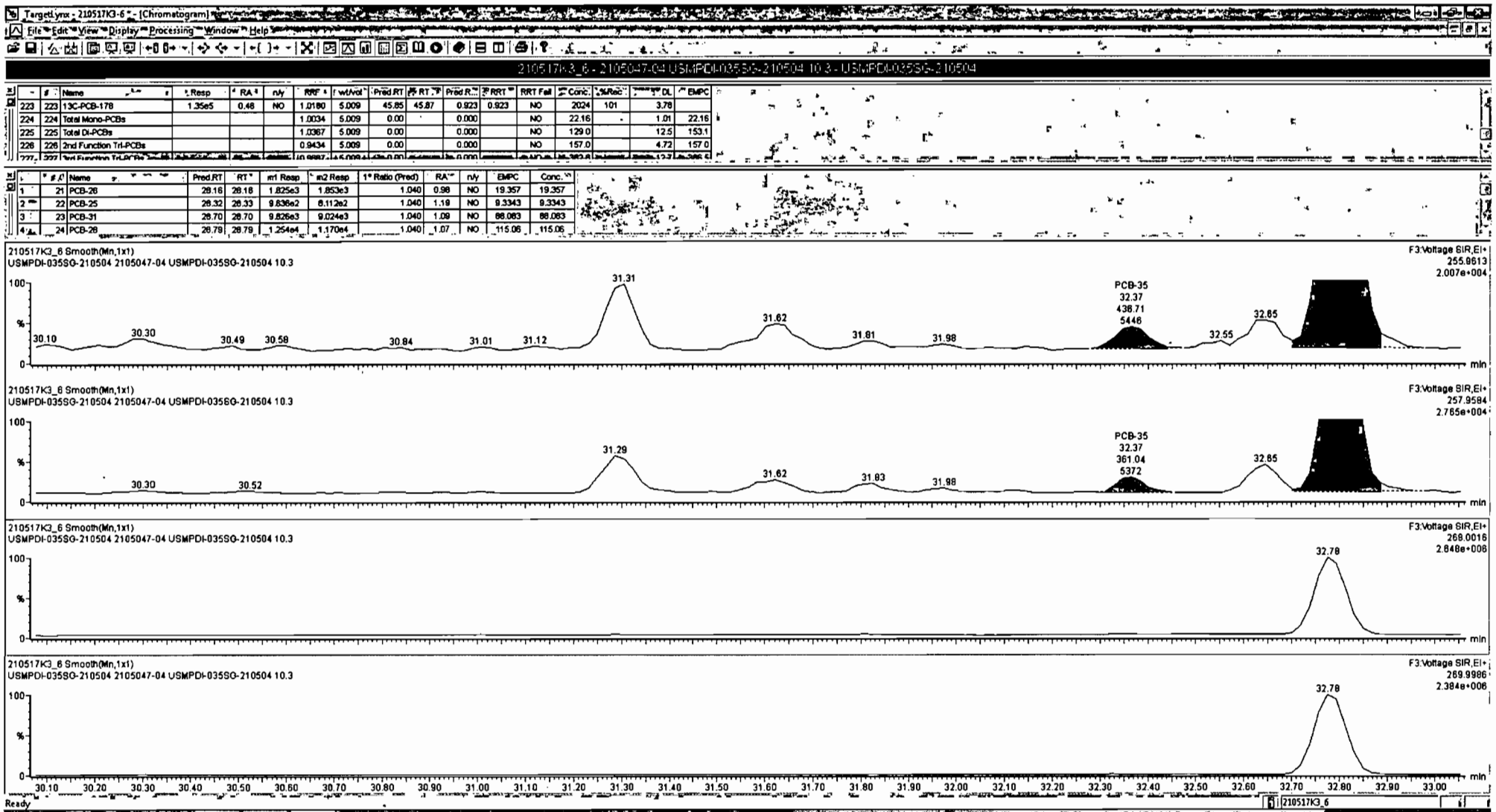


210517K3\_6 - 2105047-04 USMFD-0355G-210504 10.3 - USMPDI-0355S-210504

#	Name	Resp	RA	Ln	RRF	wt/Vol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
223	13C-PCB-178	1.35e5	0.46	NO	1.0180	5.009	45.85	45.87	0.923	0.923	NO	2024	101	3.78	
224	Total Mono-PCBs				1.0034	5.009	0.00		0.000		NO	22.16		1.01	22.16
225	Total Di-PCBs				1.0387	5.009	0.00		0.000		NO	129.0		12.5	153.1
226	2nd Function Tri-PCBs				0.9434	5.009	0.00		0.000		NO	157.0		4.72	157.0

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1% Ratio (Pred)	RA	Inj	EMPC	Conc
223	PCB-26	28.16	28.16	1.825e3	1.853e3	1.040	0.98	NO	19.357	19.357
225	PCB-25	28.32	28.33	9.636e2	6.112e2	1.040	1.19	NO	9.3343	9.3343





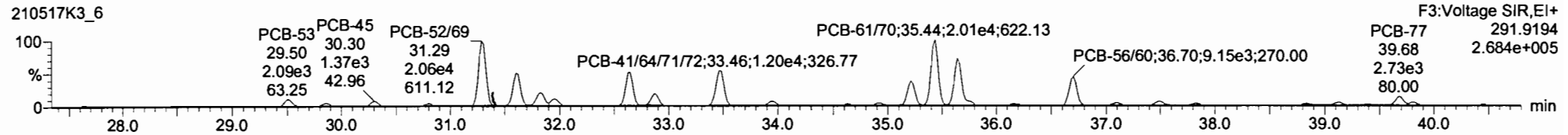
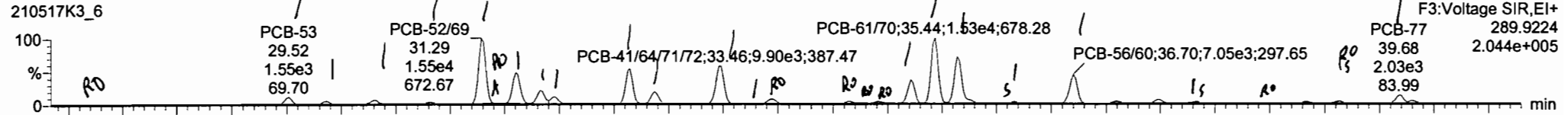


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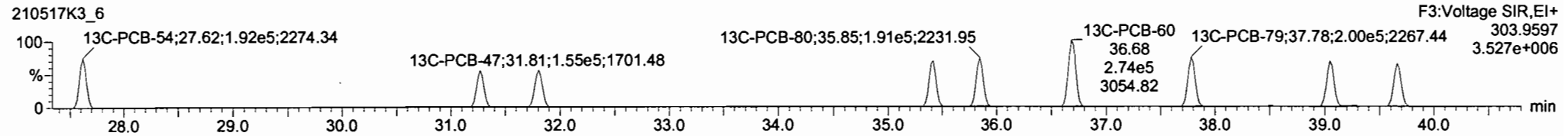
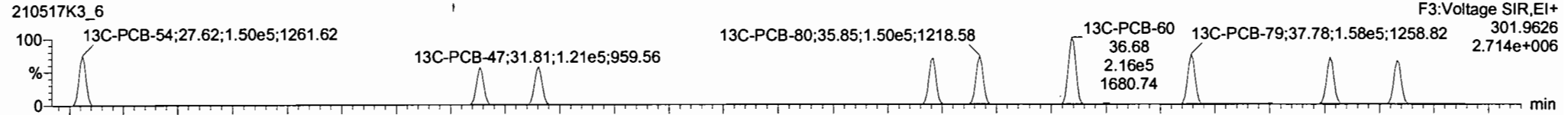
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Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

Name: 210517K3\_6, Date: 18-May-2021, Time: 08:06:58, ID: 2105047-04 USMPDI-035SG-210504 10.3, Description: USMPDI-035SG-210504

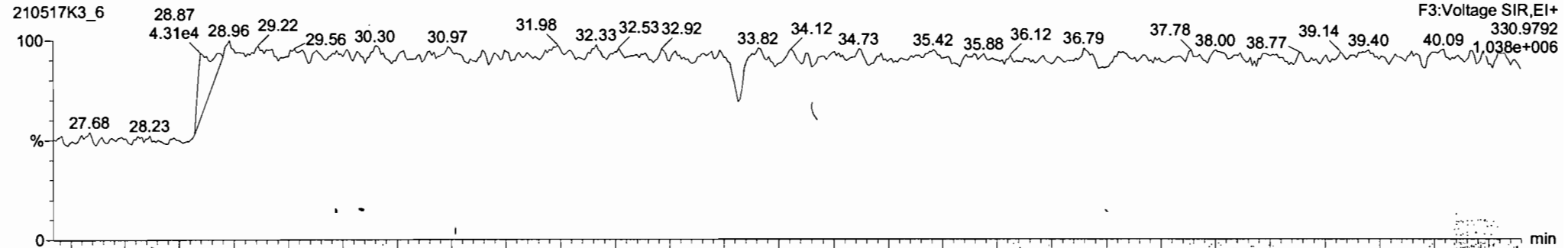
PCB-54



13C-PCB-54



PFK3a



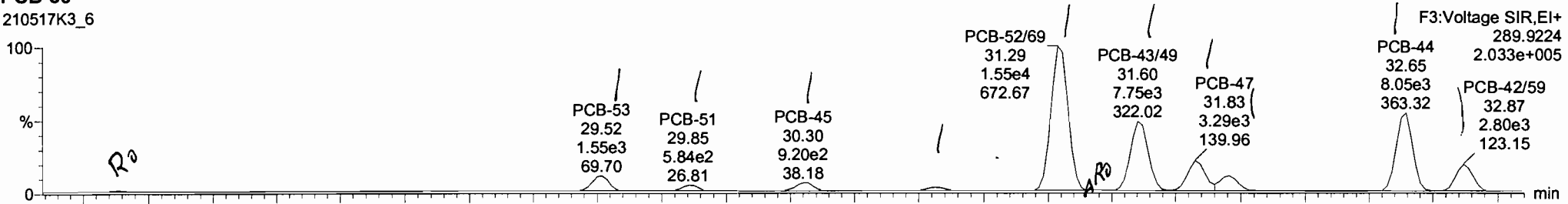
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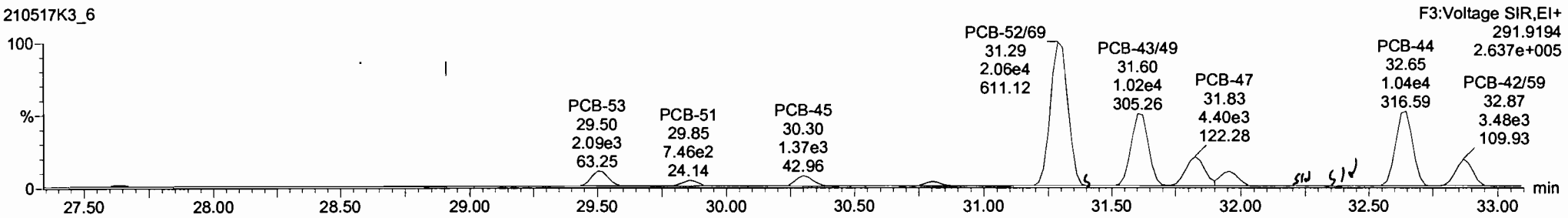
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**PCB-50**

210517K3\_6

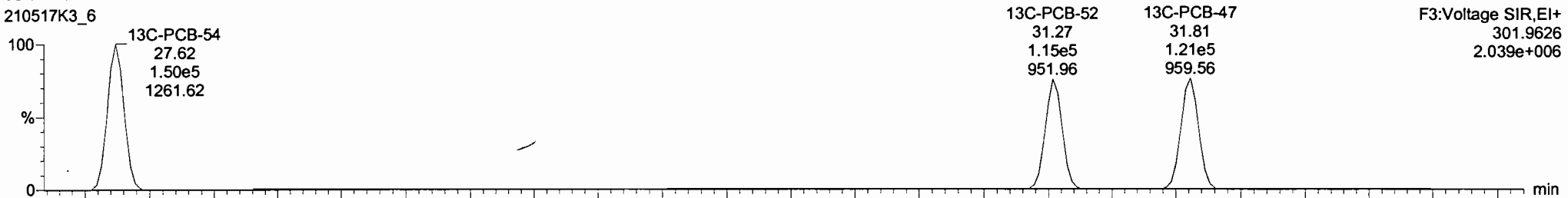


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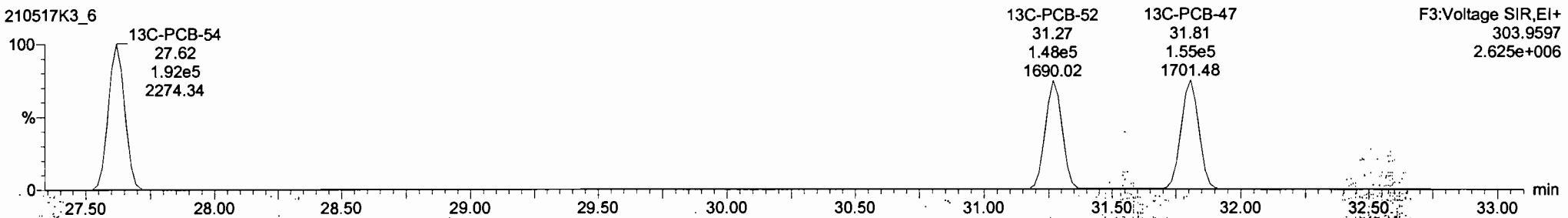


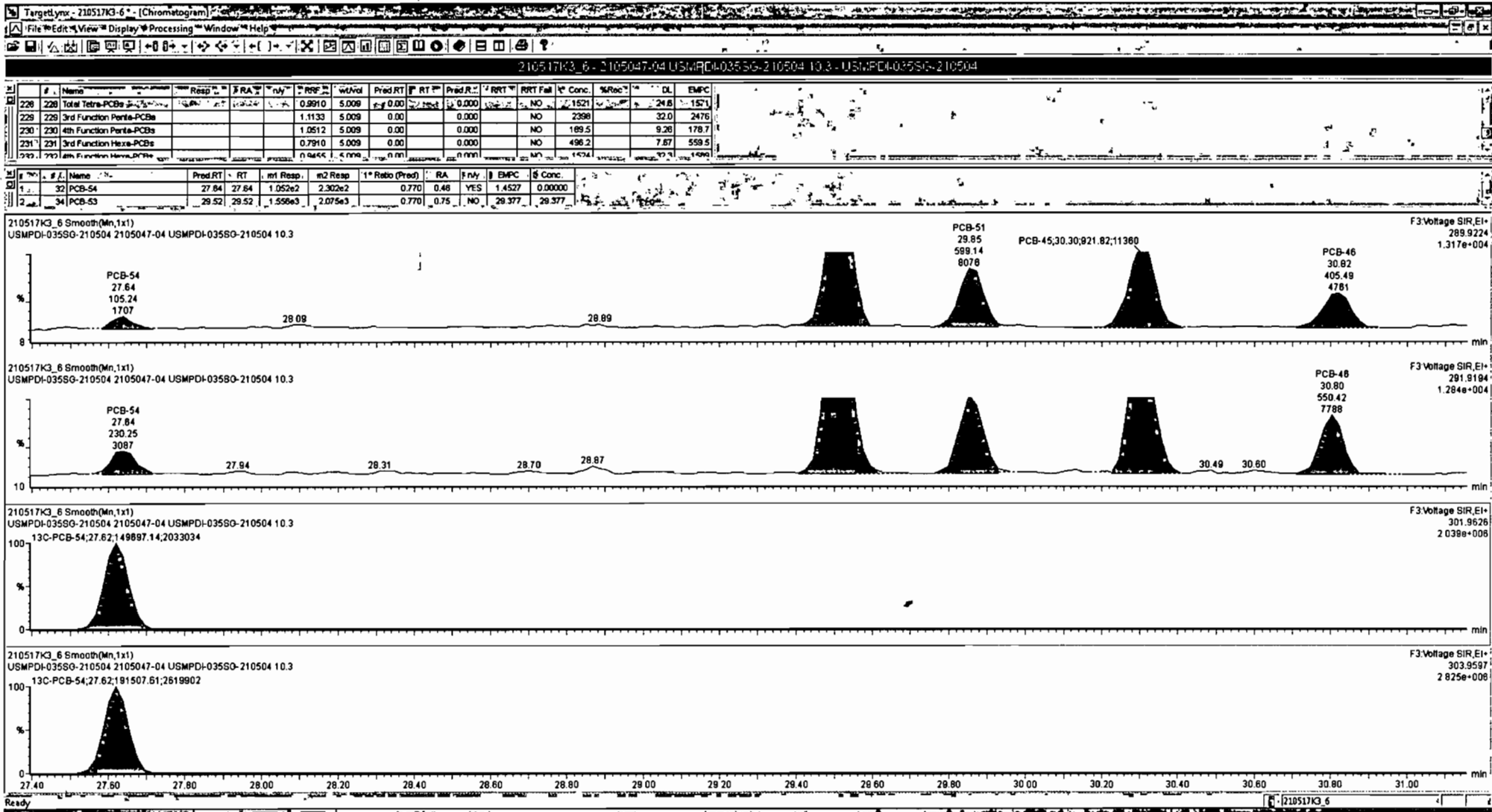
**13C-PCB-52**

210517K3\_6



210517K3\_6

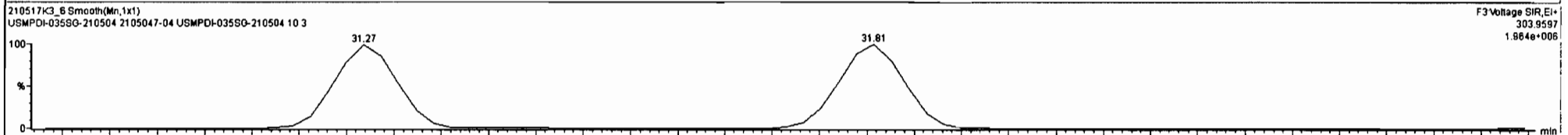
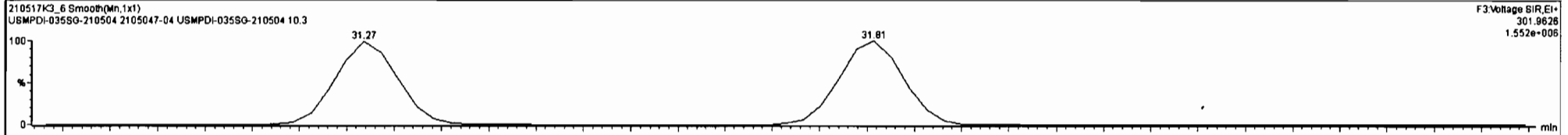
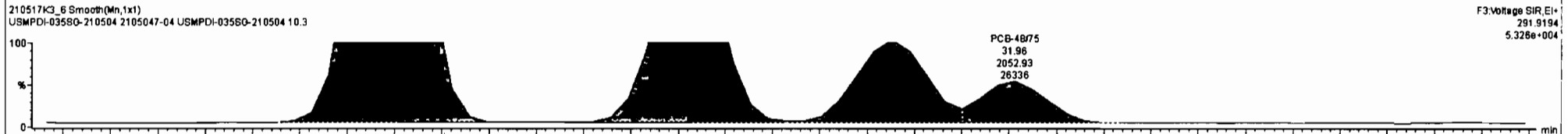
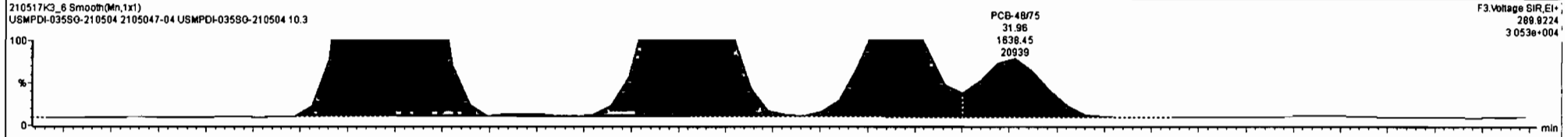




210517K3\_6 - 2105047-04 USMPDI-03550-210504 10.3 - USMPDI-03550-210504

#	Name	Resp	RA	ny	RRF	wtVol	Pred RT	RT	Pred RRT	RRT	RRT Fail	Conc	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9910	5.009	0.00		0.000		NO	1521	24.8	1571	
229	3rd Function Penta-PCBs				1.1133	5.009	0.00		0.000		NO	2398	32.0	2476	
230	4th Function Penta-PCBs				1.0512	5.009	0.00		0.000		NO	189.5	9.26	178.7	
231	3rd Function Hexa-PCBs				0.7910	5.009	0.00		0.000		NO	496.2	7.87	559.5	
232	4th Function Hexa-PCBs				0.9445	5.009	0.00		0.000		NO	1474	22.9	1490	

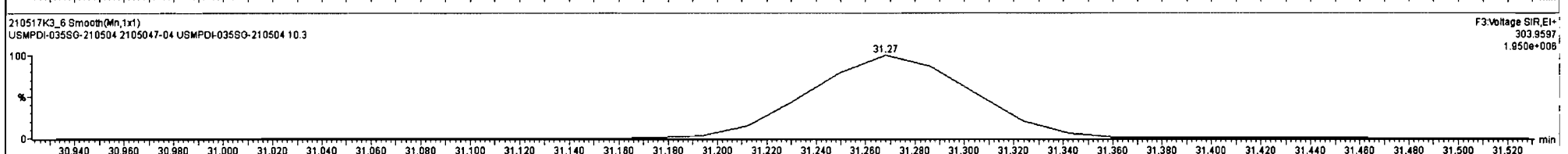
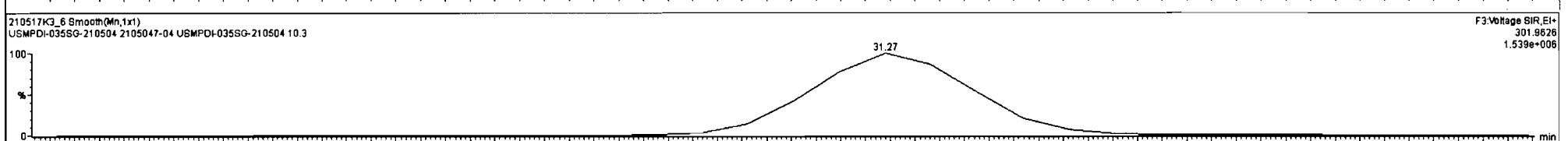
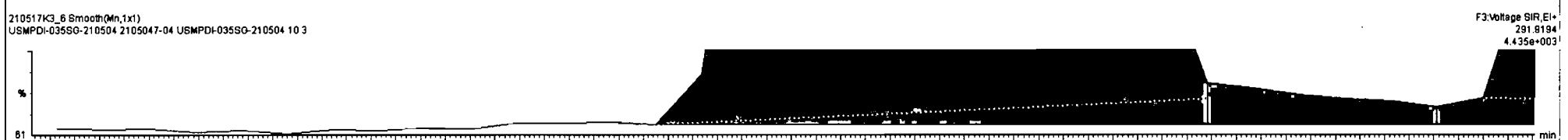
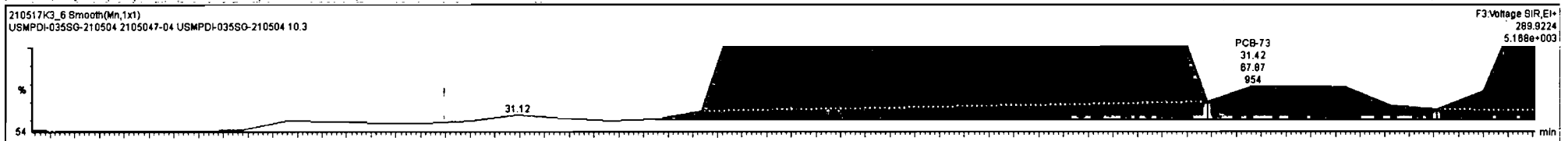
#	Name	Pred RT	RT	mt Resp	m2 Resp	1* Ratio (Pred)	RA	ny	EMPC	Conc
1	32 PCB-54	27.64	27.64	1.052e2	2.302e2	0.770	0.46	YES	1.4527	0.00000
2	34 PCB-53	29.52	29.52	1.556e3	2.083e3	0.770	0.75	NO	29.278	29.278
3	35 PCB-51	29.87	29.85	5.991e2	7.423e2	0.770	0.81	NO	10.193	10.193
4	36 PCB-45	30.32	30.30	8.218e2	1.381e3	0.770	0.67	NO	21.798	21.798



210517K3\_6 - 2105047-04 USMPDI-035SG-210504 10.3 - USMPDI-035SG-210504

#	Name	Resp	RA	nV	RRF	WVol	Prod RT	RT	Prod R	RRT	RRT Fail	Conc	DL	EMPC
228	Total Tetra-PCBs				0.9910	5.009	0.00	0.000	0.000	NO		1521	24.8	1571
229	3rd Function Penta-PCBs				1.1133	5.009	0.00	0.000	0.000	NO		2398	32.0	2476
230	4th Function Penta-PCBs				1.0512	5.009	0.00	0.000	0.000	NO		189.5	9.26	178.7
231	3rd Function Hexa-PCBs				0.7910	5.009	0.00	0.000	0.000	NO		496.2	7.67	559.5
232	4th Function Hexa-PCBs				0.9444	5.009	0.00	0.000	0.000	NO		1424	7.71	1590

#	Name	Prod RT	RT	m1 Resp	m2 Resp	1% Ratio (Prod)	RA	nV	EMPC	Conc
6	PCB-5269	31.31	31.29	1.557e4	2.069e4	0.770	0.75	NO	254.43	254.43
7	PCB-73	31.44	31.42	6.787e1	1.564e1	0.770	1.20	YES	0.59070	0.00000
8	PCB-4349	31.59	31.60	7.803e3	1.034e4	0.770	0.75	NO	148.98	148.98
9	PCB-47	31.83	31.83	3.295e3	4.446e3	0.770	0.74	NO	65.042	65.042



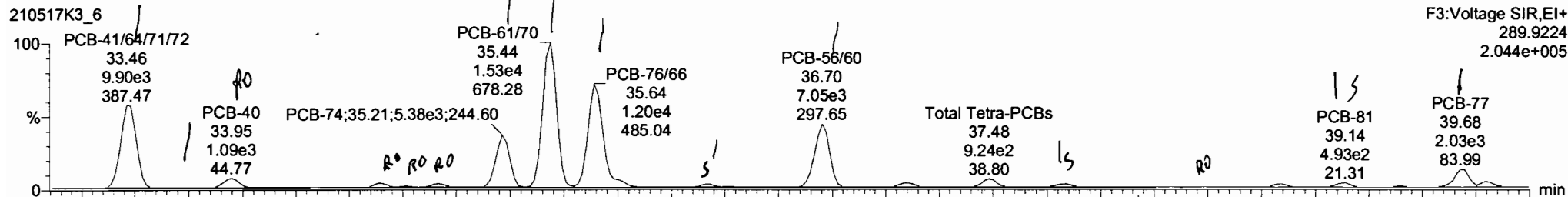
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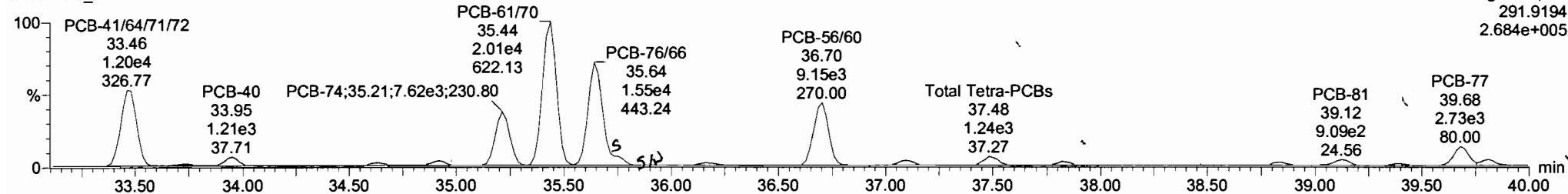
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Name: 210517K3\_6, Date: 18-May-2021, Time: 08:06:58, ID: 2105047-04 USMPDI-035SG-210504 10.3, Description: USMPDI-035SG-210504

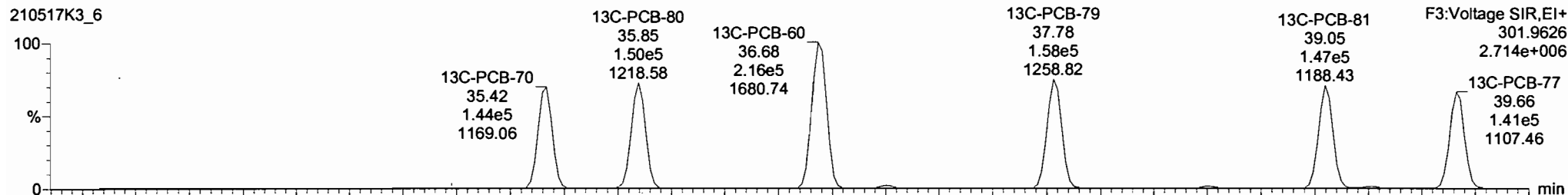
**PCB-68**



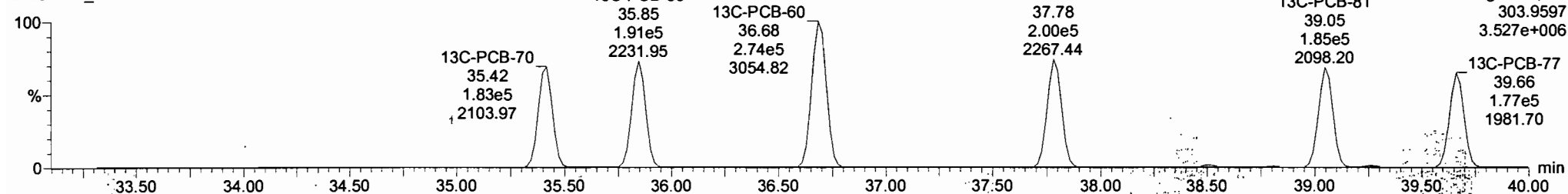
210517K3\_6

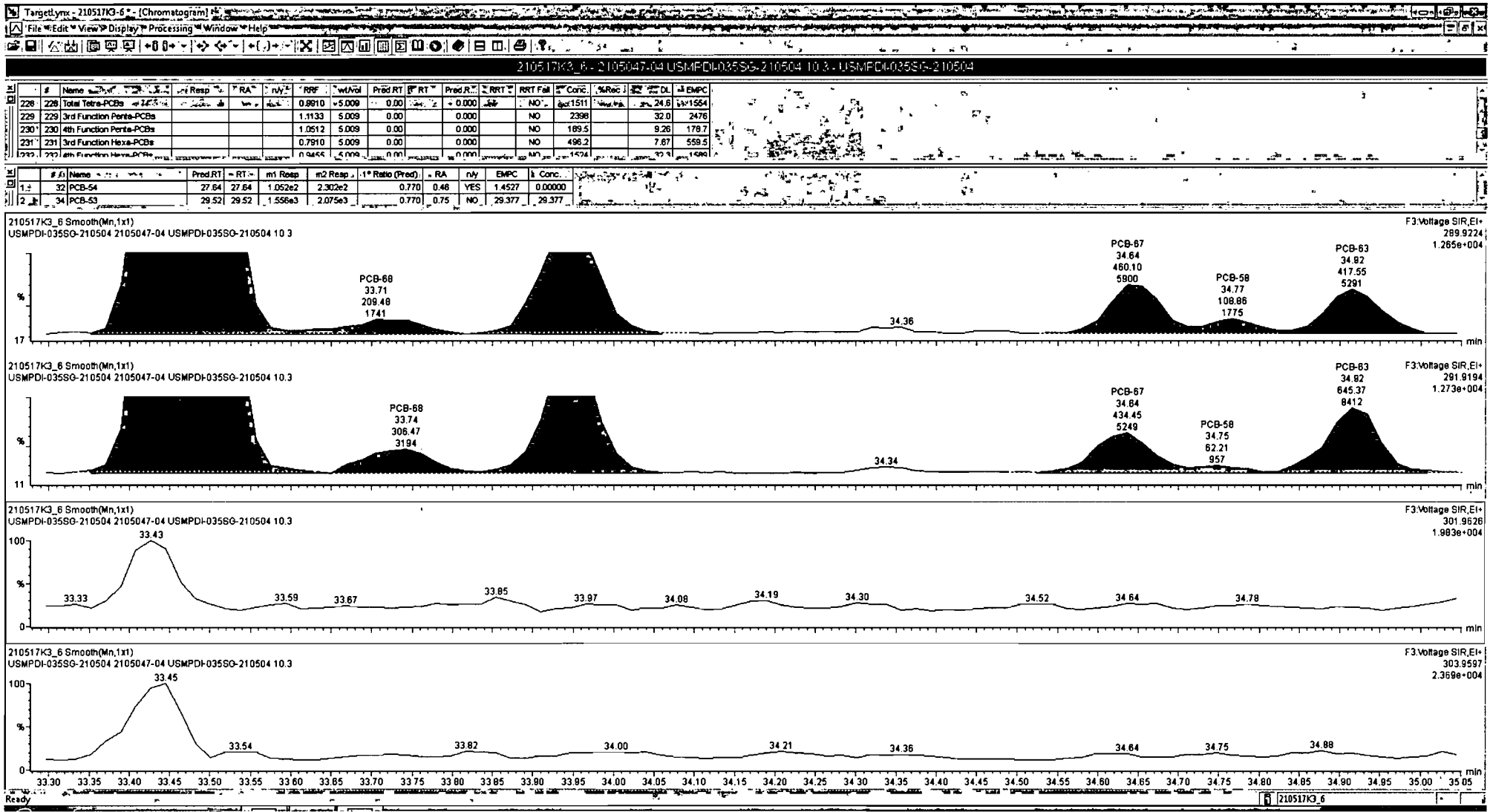


**13C-PCB-60**



210517K3\_6

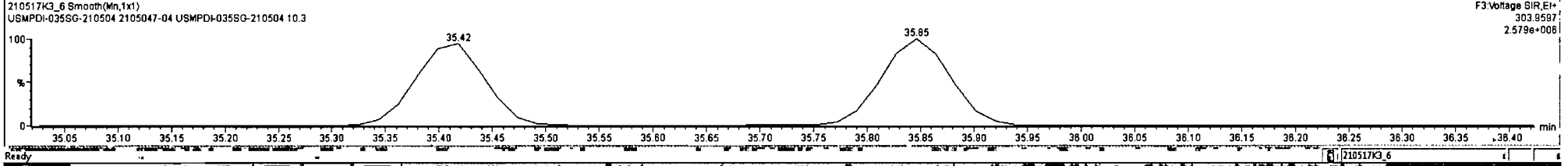
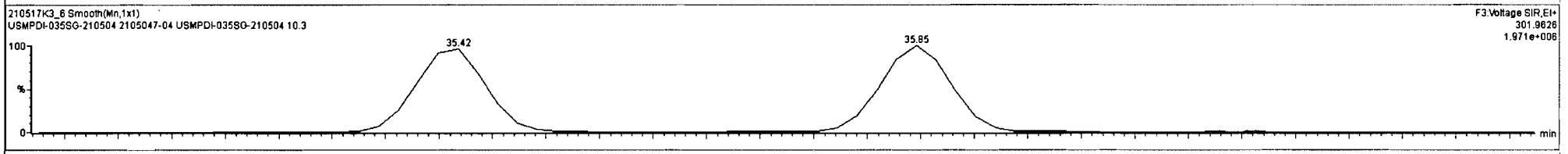
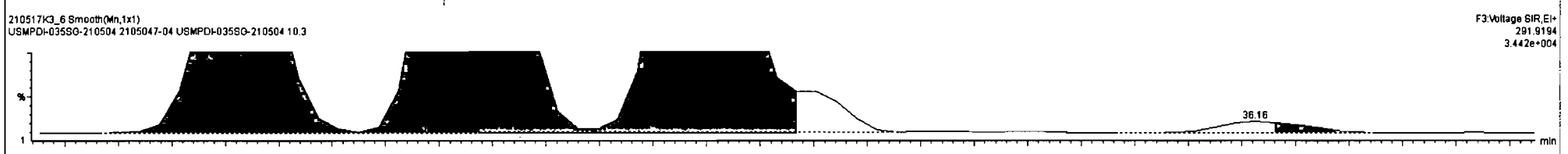
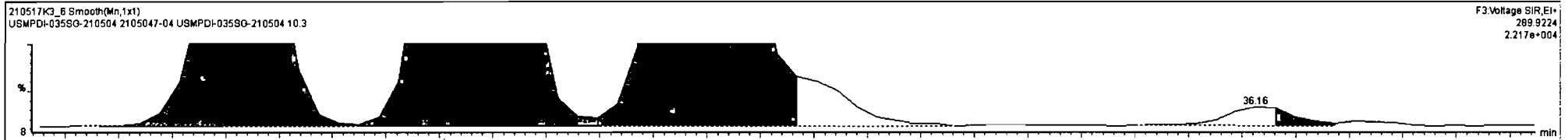




210517K3\_6 - 2105047-04 USMPDI-035SG-210504 10.3 - USMPDI-035SG-210504

#	Name	Resp	RA	TV	RRF	FwVol	Prod RT	RT	Prod R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
228	Total Tota-PCBs		0.9910		5.009	0.00	0.000		0.000		NO	1511	24.6	1554	
229	3rd Function Penta-PCBs		1.1133		5.009	0.00	0.000		0.000		NO	2398	32.0	2476	
230	4th Function Penta-PCBs		1.0512		5.009	0.00	0.000		0.000		NO	189.5	9.26	178.7	
231	3rd Function Hexa-PCBs		0.7910		5.009	0.00	0.000		0.000		NO	496.2	7.87	559.5	
232	4th Function Hexa-PCBs		0.9455		5.009	0.00	0.000		0.000		NO	1424	19.7	1590	

#	Name	Prod RT	RT	m1 Resp	m2 Resp	1* Ratio (Prod)	RA	TV	EMPC	Conc
1	32 PCB-54	27.64	27.64	1.052e2	2.302e2	0.770	0.46	YES	1.4527	0.00000
2	34 PCB-53	29.52	29.52	1.558e3	2.075e3	0.770	0.75	NO	29.377	29.377
3	35 PCB-51	29.87	29.85	5.991e2	7.423e2	0.770	0.81	NO	10.193	10.193

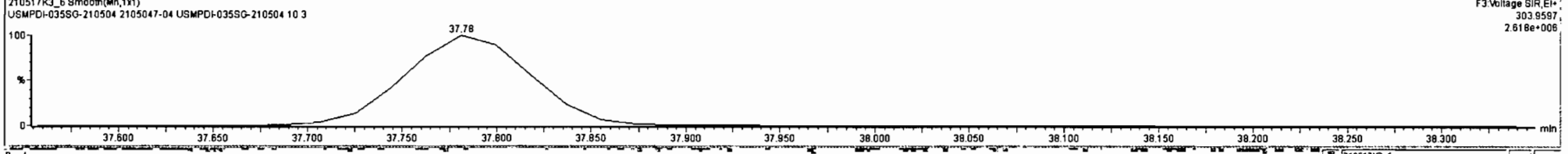
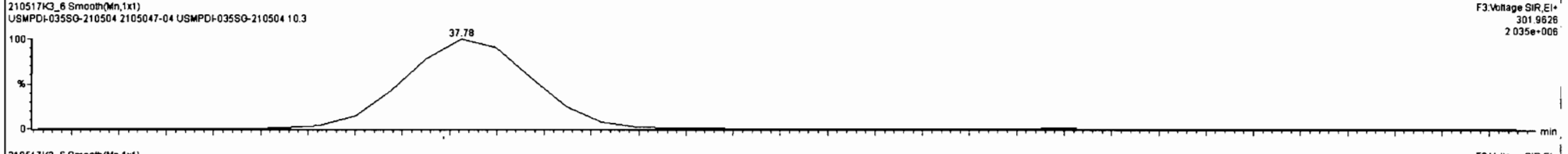
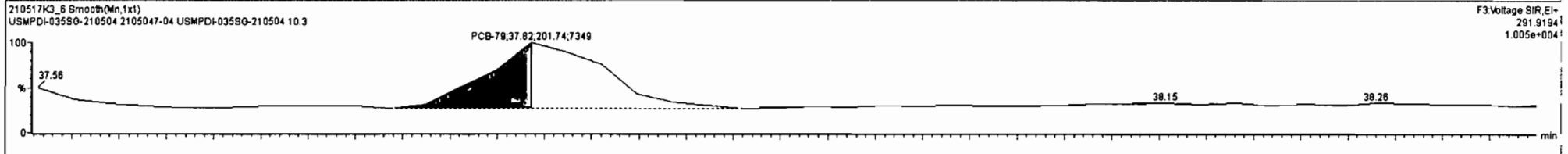
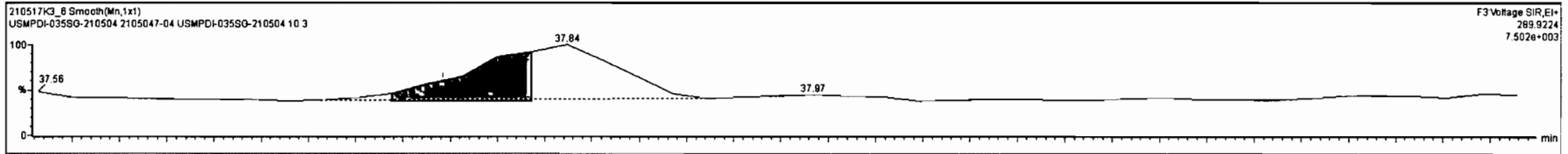




21051K3\_6 - 2105047-04 USMPDI-035SG-210504 10 3 - USMPDI-035SG-210504

#	Name	Resp %	RA	n/y	RRF	wtVol	lPred RT	RT	lPred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9910	5.009	0.00		0.000		NO	1511		24.8	1554
229	3rd Function Penta-PCBs				1.1133	5.009	0.00		0.000		NO	2398		32.0	2476
230	4th Function Penta-PCBs				1.0512	5.009	0.00		0.000		NO	189.5		9.26	178.7
231	3rd Function Hexa-PCBs				0.7910	5.009	0.00		0.000		NO	496.2		7.87	559.5
232	4th Function Hexa-PCBs				0.9465	5.009	0.00		0.000		NO	1424		27.3	1490

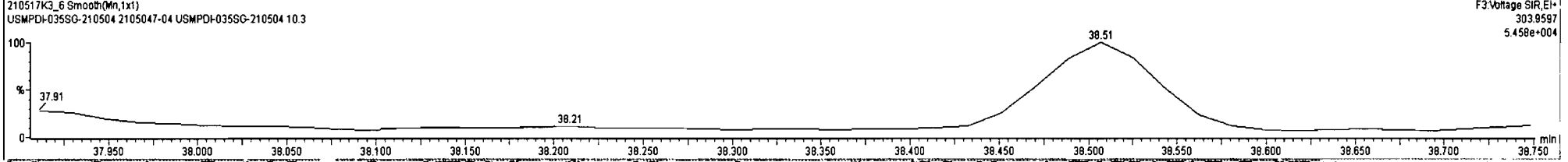
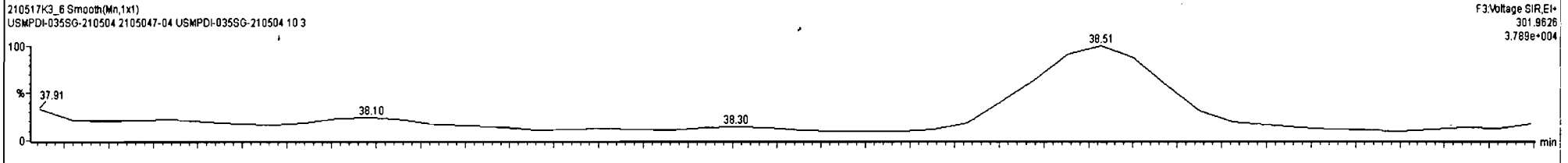
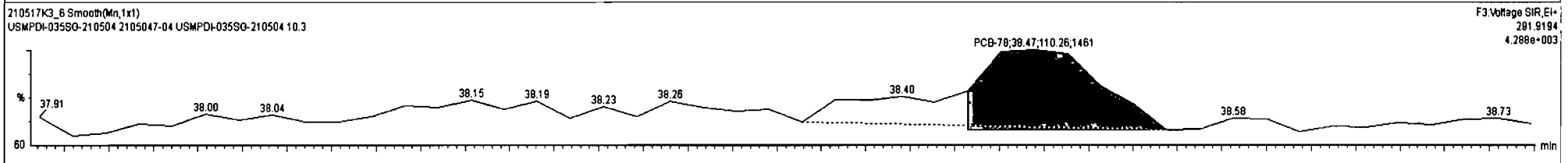
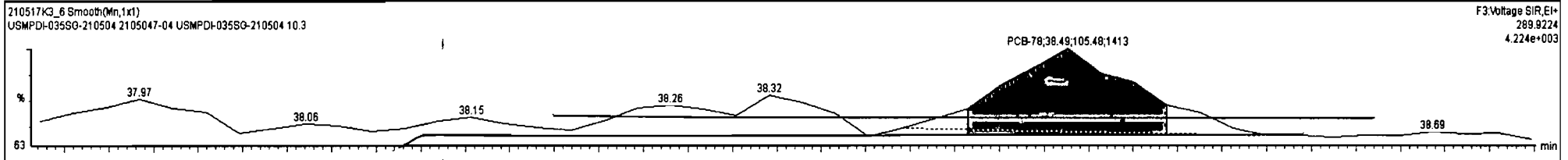
#	Name	Prod RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
59	PCB-5660	36.69	36.70	7.052e3	8.146e3	0.770	0.77	NO	100.19	100.19
60	PCB-79	37.82	37.82	1.751e2	2.017e2	0.770	0.87	NO	2.0814	2.0814

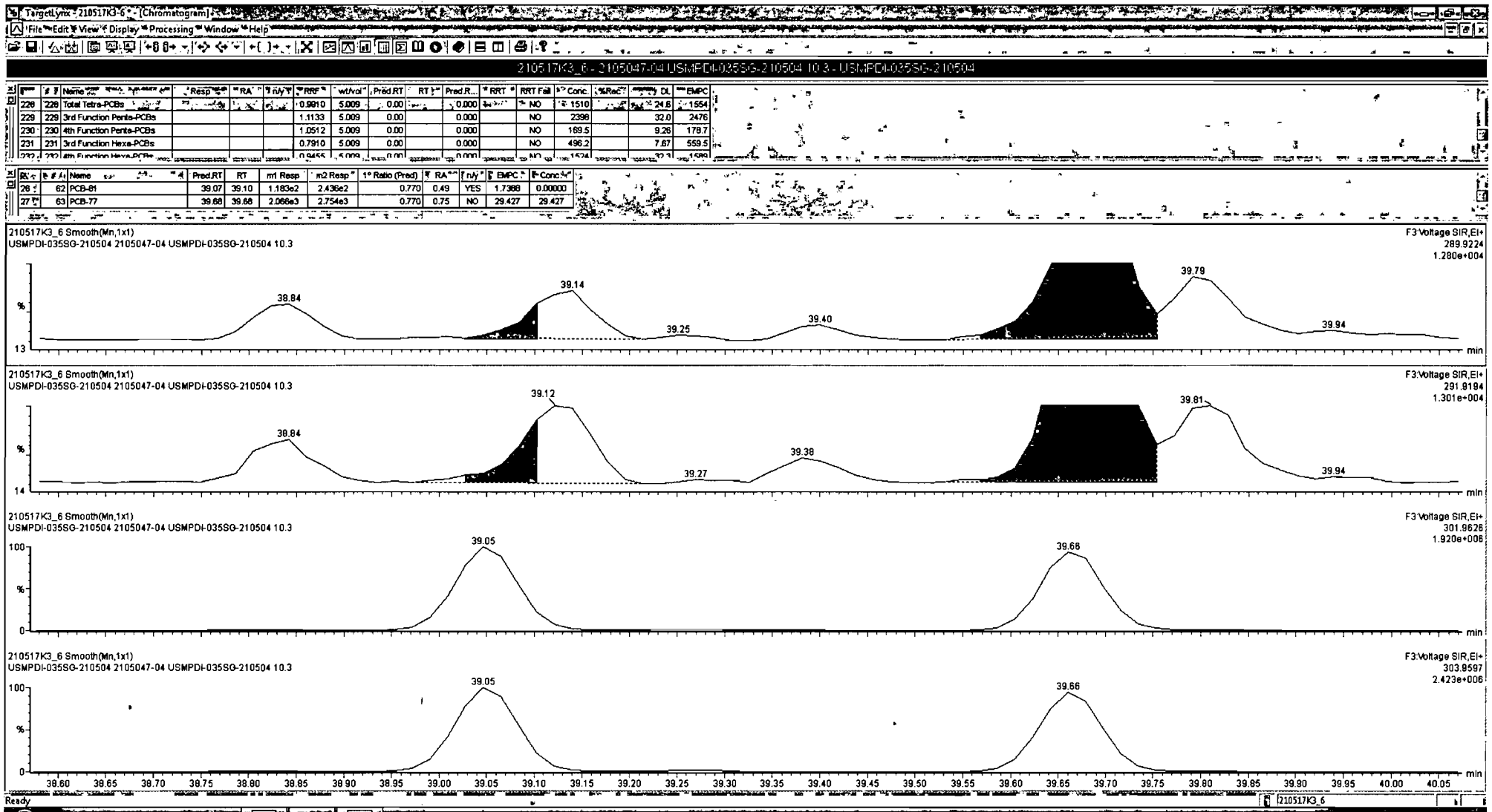


210517K3\_6 - 2105047-04 USMPSD-035SG-210504 10.3 - USMPSD-035SG-210504

#	Name	Resp	RA	n/y	RF	wt/vol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9910	5.009	0.00		0.000		NO	1510		24.6	1554
229	3rd Function Penta-PCBs				1.1133	5.009	0.00		0.000		NO	2398		32.0	2476
230	4th Function Penta-PCBs				1.0512	5.009	0.00		0.000		NO	169.5		9.26	178.7
231	3rd Function Hexa-PCBs				0.7910	5.009	0.00		0.000		NO	496.2		7.67	559.5
232	4th Function Hexa-PCBs				0.9445	5.009	0.00		0.000		NO	1434		17.31	1490

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc. %
24	60 PCB-79	37.82	37.82	1.751e2	2.017e2	0.770	0.87	NO	2.0814	2.0814
25	61 PCB-78	36.52	38.49	1.055e2	1.103e2	0.770	0.96	YES	1.1669	0.00000
26	62 PCB-81	39.07	39.10	1.183e2	2.436e2	0.770	0.49	YES	1.7388	0.00000
27	63 PCB-77	39.68	39.68	2.066e3	2.754e3	0.770	0.75	NO	29.427	29.427



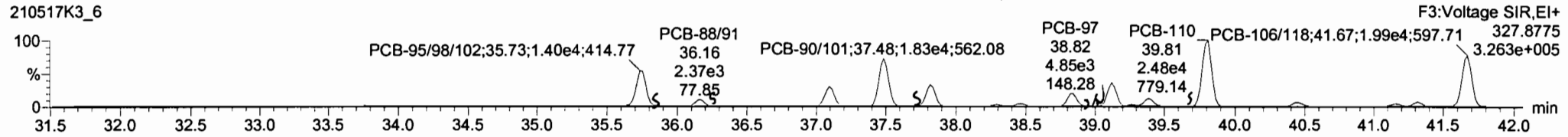
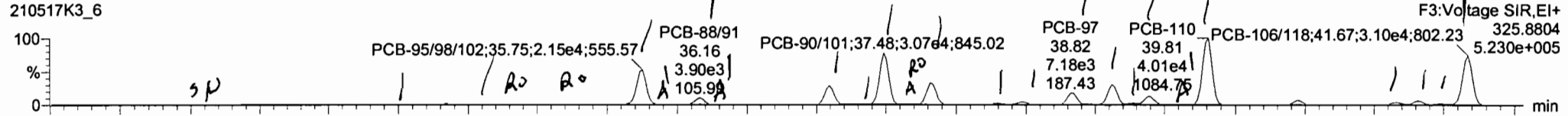


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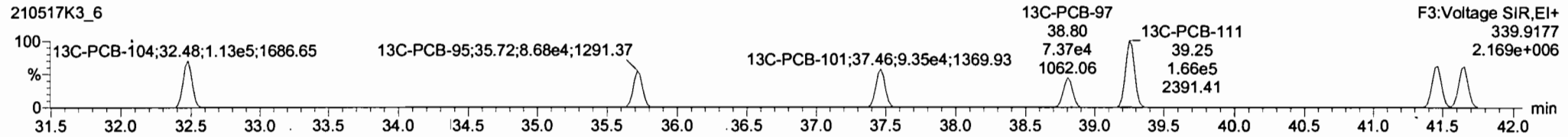
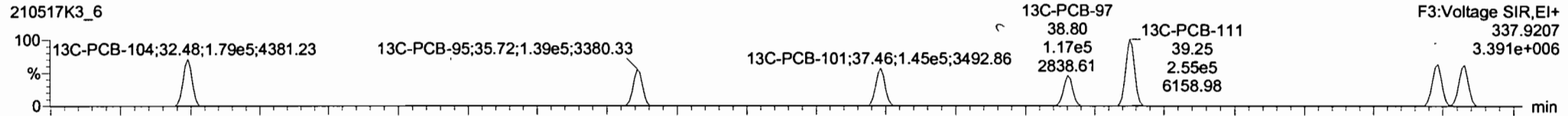
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Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

Name: 210517K3\_6, Date: 18-May-2021, Time: 08:06:58, ID: 2105047-04 USMPDI-035SG-210504 10.3, Description: USMPDI-035SG-210504

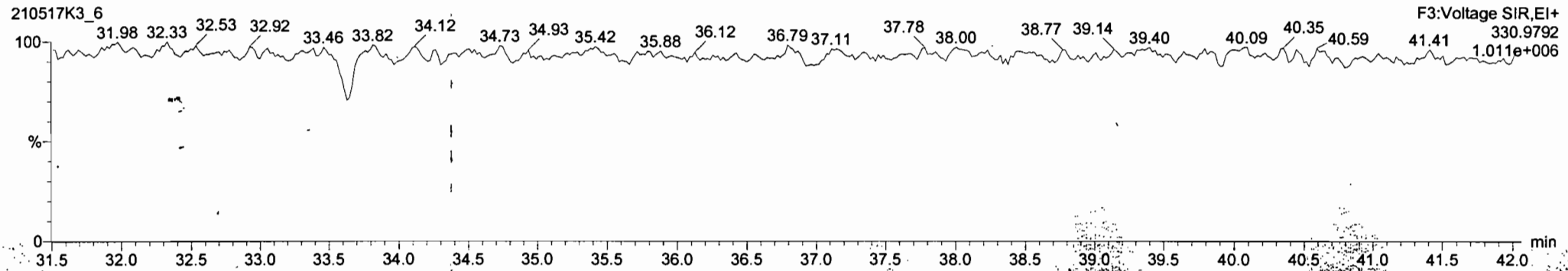
**PCB-104**



**13C-PCB-104**



**PFK3b**



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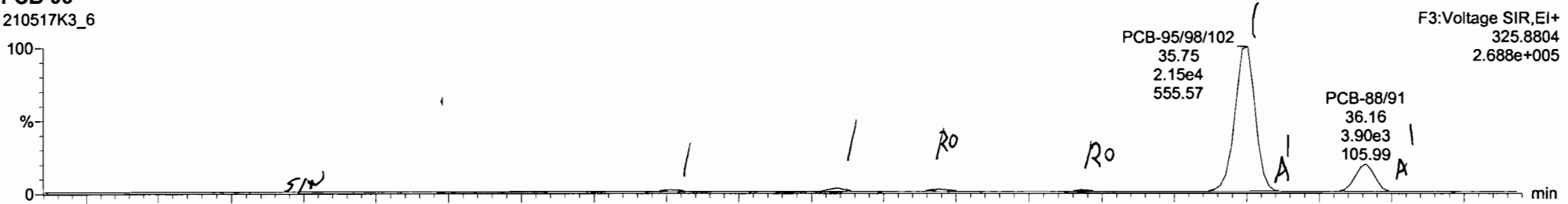
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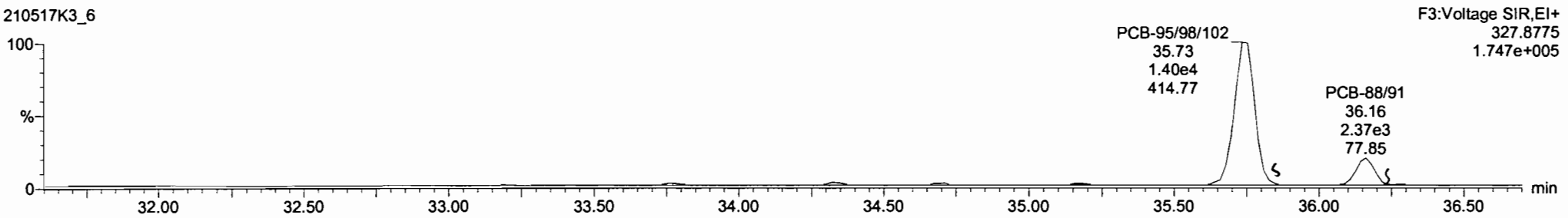
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**PCB-96**

210517K3\_6

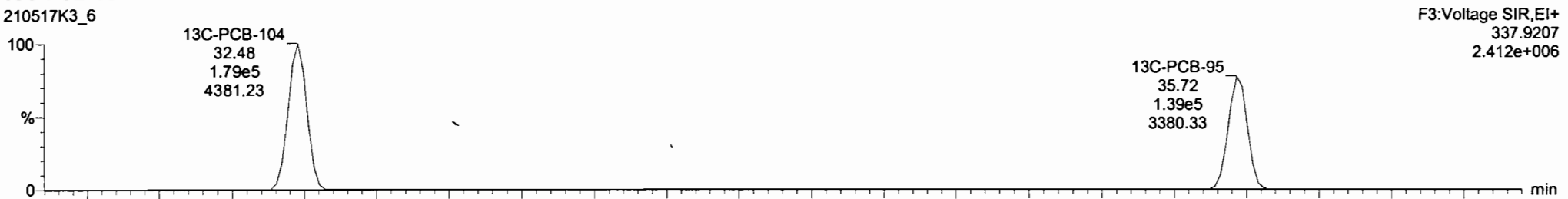


210517K3\_6

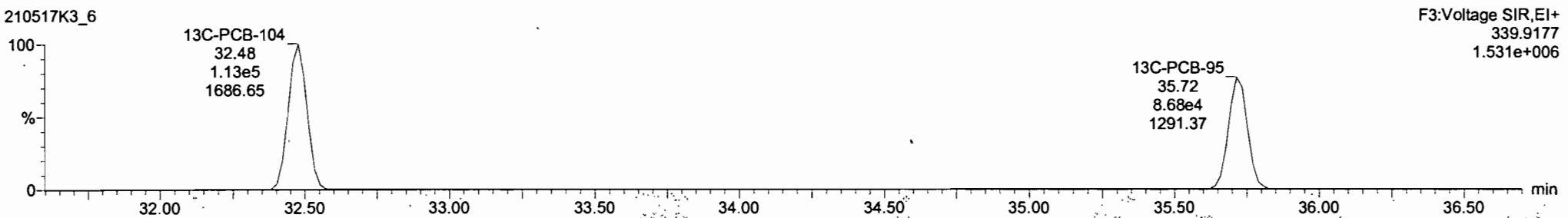


**13C-PCB-95**

210517K3\_6



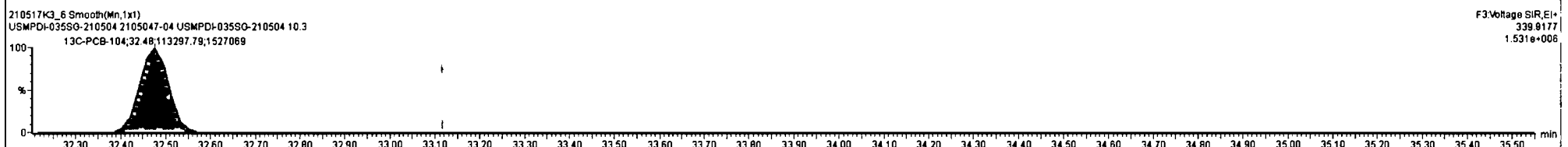
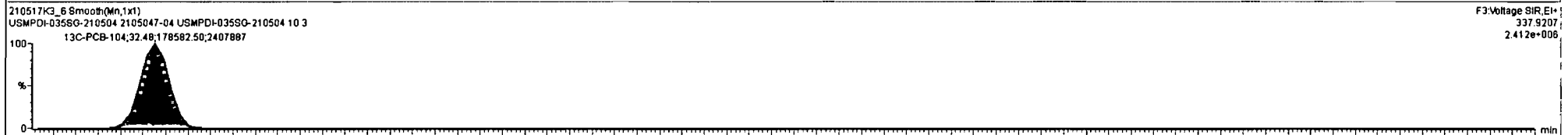
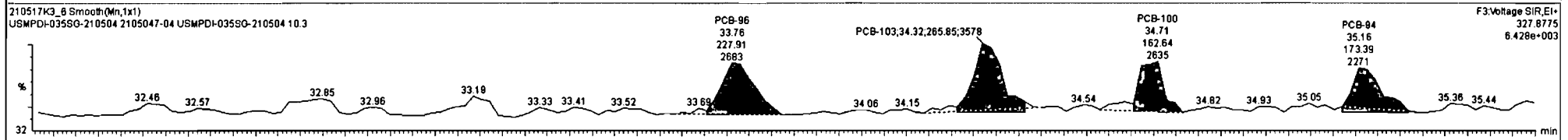
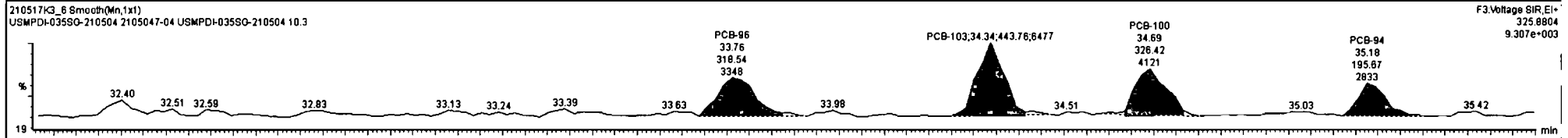
210517K3\_6



210517K3\_6 - 2105047-04 USMPDI-035SQ-210504 10.3 - USMPDI-035SQ-210504

#	Name	Resp	RA	n/y	RRF	Fw/Vol	Prod RT	RT	Prod R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9910	5.009	0.00		0.000			1510		24.8	1554
229	3rd Function Penta-PCBs				1.1133	5.009	0.00		0.000			2387		32.0	2478
230	4th Function Penta-PCBs				1.0512	5.009	0.00		0.000			169.5		9.26	178.7
231	3rd Function Hexa-PCBs				0.7910	5.009	0.00		0.000			496.2		7.87	559.5
232	4th Function Hexa-PCBs				0.9455	5.009	0.00		0.000			1424		32.7	1490

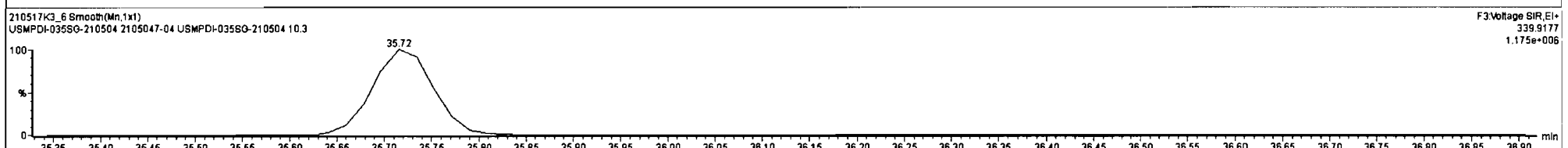
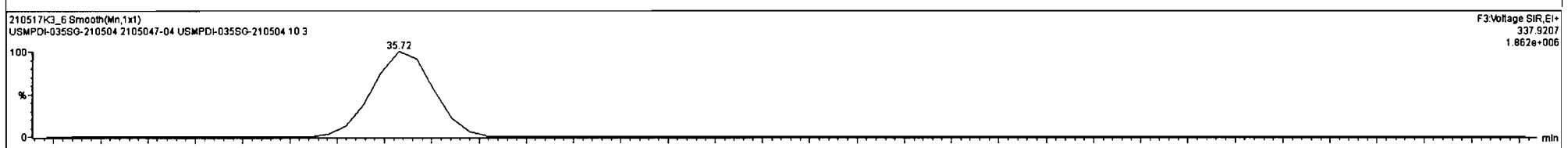
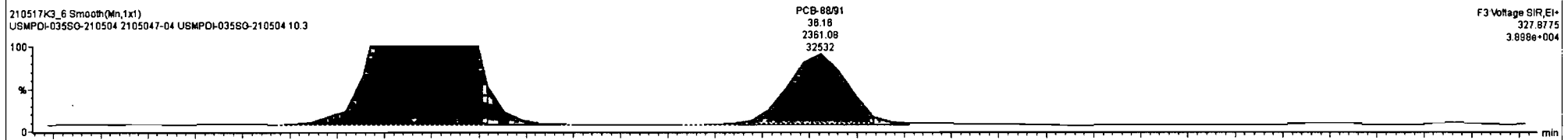
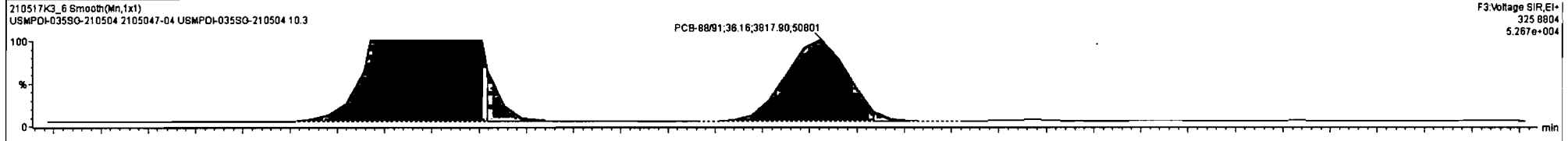
#	Name	Prod RT	RT	m1 Resp	m2 Resp	1:1 Ratio (Prod)	RA	n/y	EMPC	Conc	
1	65 PCB-96	33.80	33.78	3.185e2	2.279e2		1.580	1.40	NO	3.8041	3.8041
2	66 PCB-103	34.36	34.34	4.430e2	2.659e2		1.580	1.67	NO	6.3064	6.3064
3	67 PCB-100	34.73	34.69	3.264e2	1.626e2		1.580	2.01	YES	3.5386	0.00000

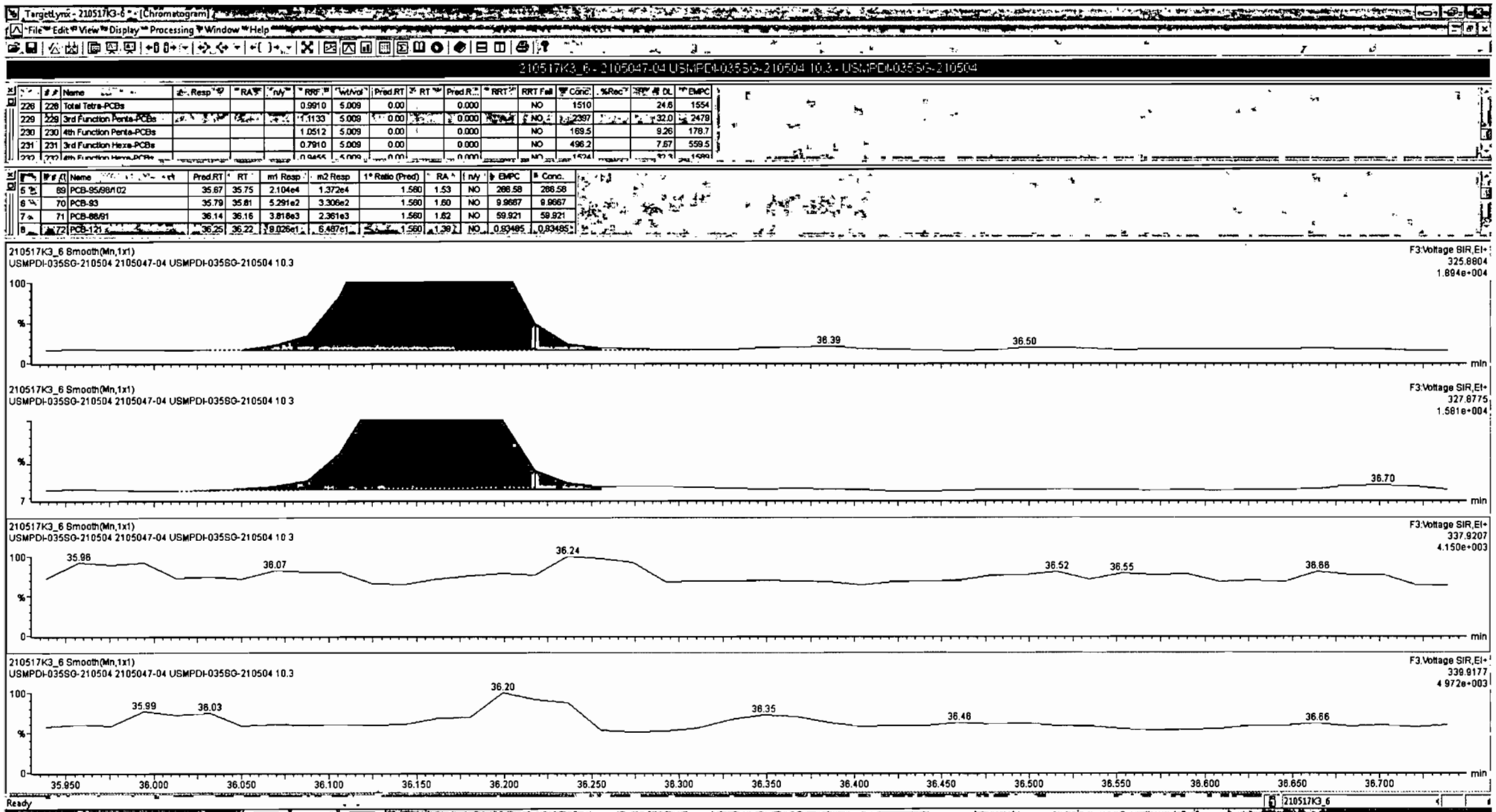


210517K3\_6 - 2105047-04 USMPDI-035SQ-210504 10.3 - USMPDI-035SQ-210504

#	Name	Resp	RA	n/y	RRF	wtVol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
228	Total Tetra-PCBs		0.9910		5.009	0.00			0.000		NO	1510		24.6	1554
229	3rd Function Penta-PCBs		-1.1133		5.009	-0.00			0.000		NO	2397		32.0	2478
230	4th Function Penta-PCBs		1.0512		5.009	0.00			0.000		NO	189.5		9.28	178.7
231	3rd Function Hexa-PCBs		0.7910		5.009	0.00			0.000		NO	496.2		7.67	559.5

#	Name	Pred RT	RT	wt Resp	m2 Resp	11* Ratio (Pred)	RA	n/y	EMPC	% Conc
1	65 PCB-98	33.80	33.76	3.185e2	2.279e2	1.580	1.40	NO	3.8041	3.8041
2	66 PCB-103	34.38	34.34	4.439e2	2.859e2	1.580	1.67	NO	6.3064	6.3064
3	67 PCB-100	34.73	34.69	3.264e2	1.626e2	1.580	2.01	YES	3.5388	0.00000







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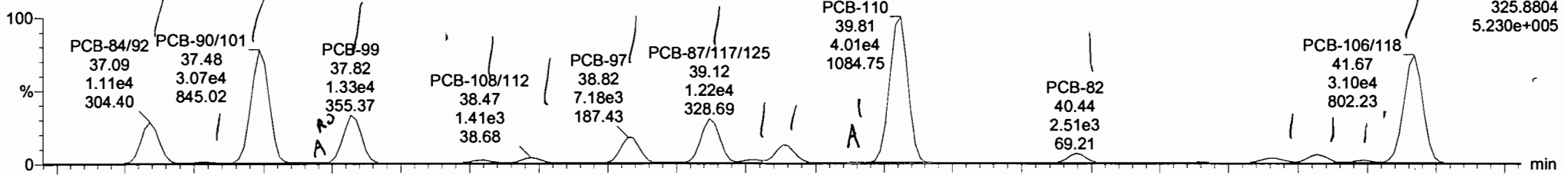
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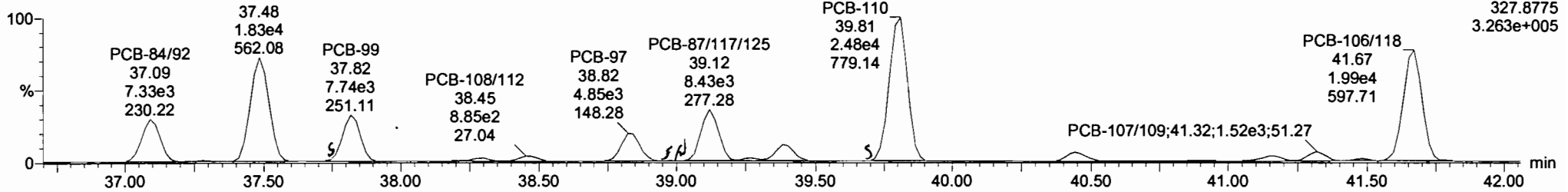
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PCB-119

210517K3\_6

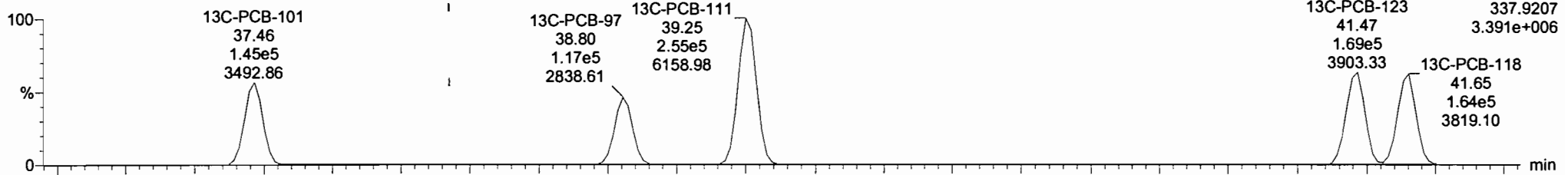


210517K3\_6

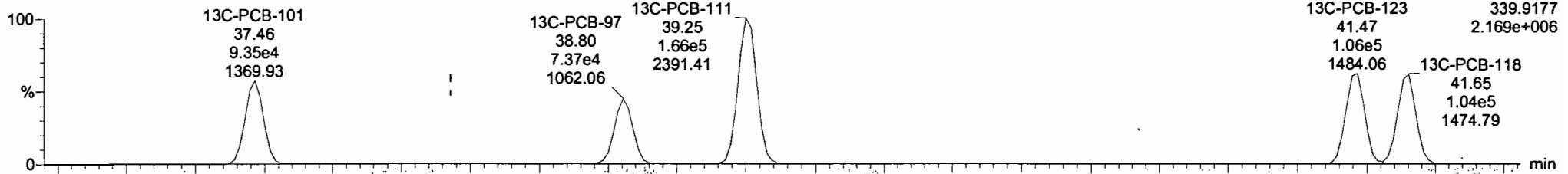


13C-PCB-111

210517K3\_6

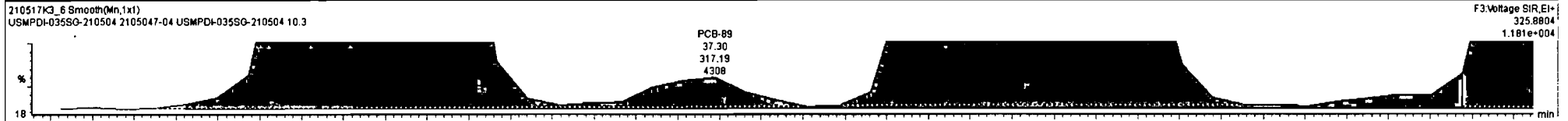


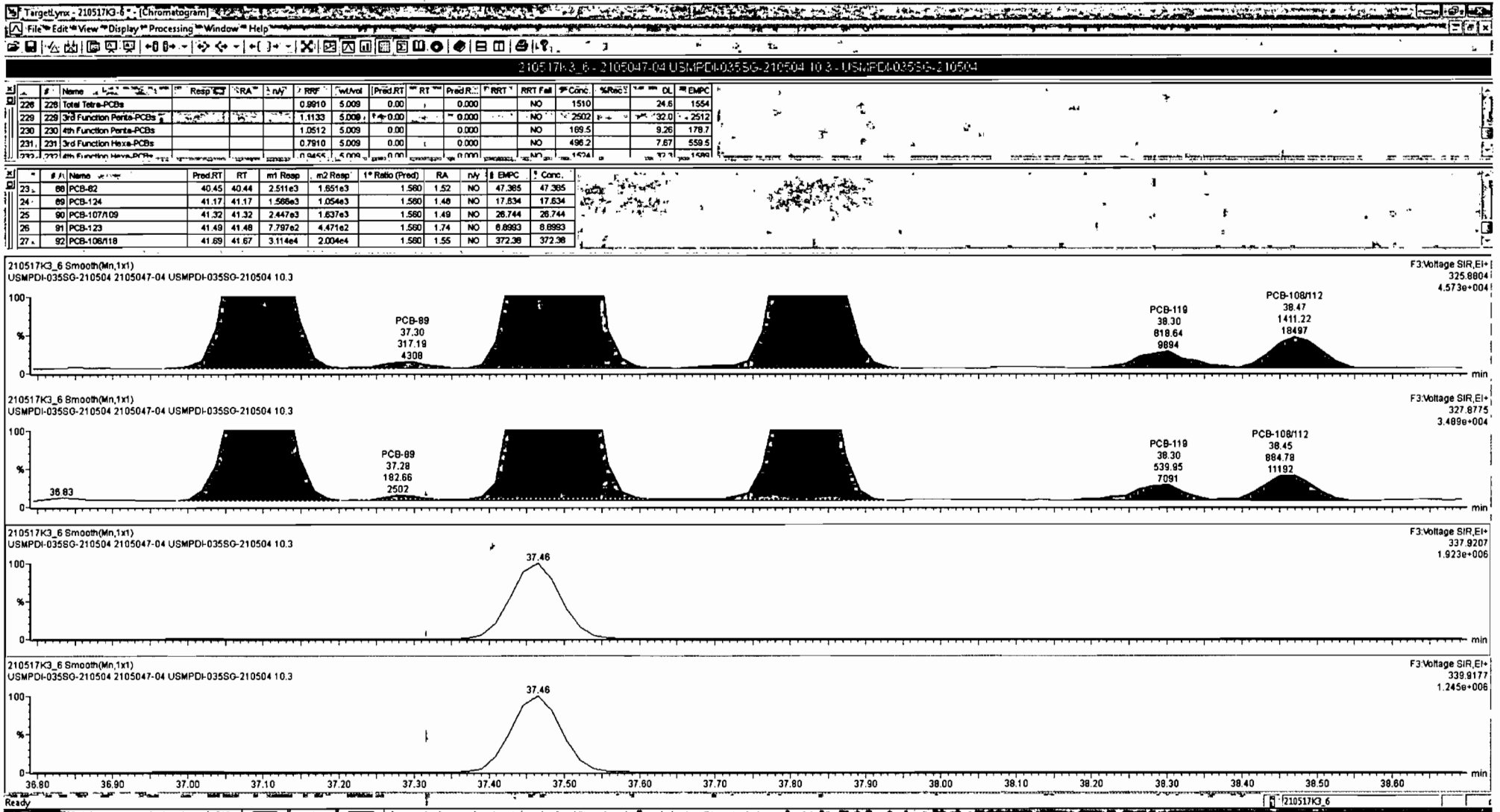
210517K3\_6



#	Name	Resp	RA	n/y	RRF	wtVol	Pred RT	RT	Pred R:	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.8910	5.009	0.00		0.000		NO	1510		24.6	1554
229	3rd Function Penta-PCBs				1.1133	5.009	0.00		0.000		NO	2502		32.0	2512
230	4th Function Penta-PCBs				1.0512	5.009	0.00		0.000		NO	189.5		9.26	178.7
231	3rd Function Hexa-PCBs				0.7910	5.009	0.00		0.000		NO	496.2		7.87	559.5
232	4th Function Hexa-PCBs				0.9455	5.009	0.00		0.000		NO	1434		17.9	1490

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	# EMPC	Conc. #
1	65 PCB-86	33.80	33.78	3.185e2	2.279e2	1.560	1.40	NO	3.8041	3.8041
2	66 PCB-103	34.36	34.34	4.439e2	2.659e2	1.560	1.67	NO	6.3064	6.3064
3	67 PCB-100	34.73	34.69	3.264e2	1.626e2	1.560	2.01	YES	3.5396	0.00000
4	68 PCB-84	35.17	35.18	1.957e2	1.734e2	1.560	1.13	YES	3.4124	0.00000
5	69 PCB-95/98/102	35.67	35.75	2.104e4	1.372e4	1.560	1.53	NO	288.58	288.58
6	70 PCB-93	35.79	35.81	5.291e2	3.306e2	1.560	1.60	NO	9.9667	9.9667
7	71 PCB-98/91	36.14	36.18	3.818e3	2.361e3	1.560	1.62	NO	59.921	59.921
8	72 PCB-121	36.25	36.22	9.026e1	6.487e1	1.560	1.39	NO	0.83485	0.83485

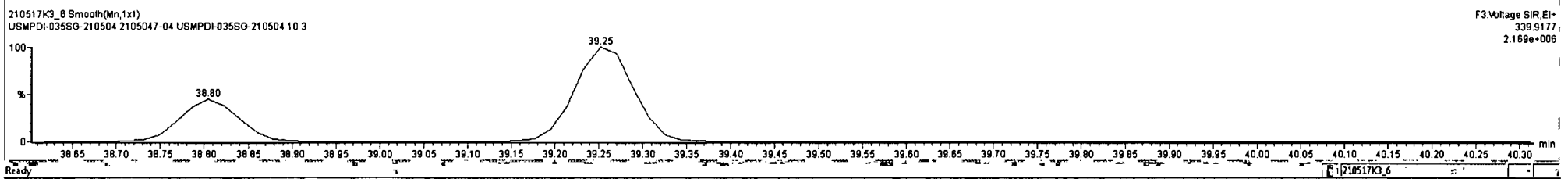
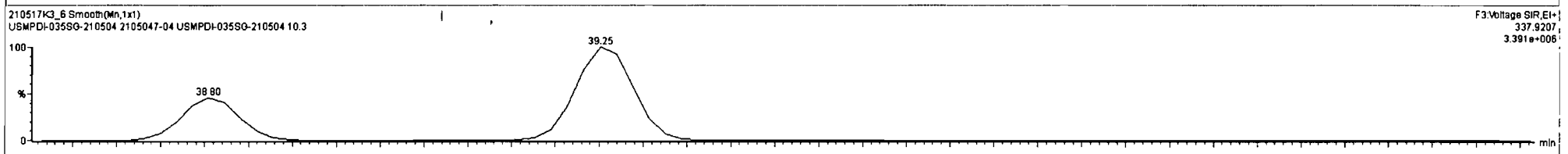
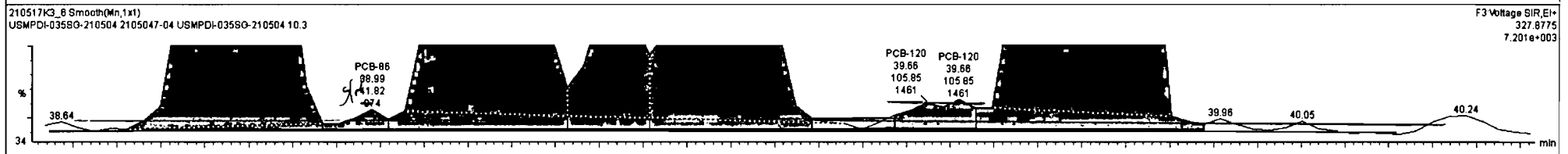
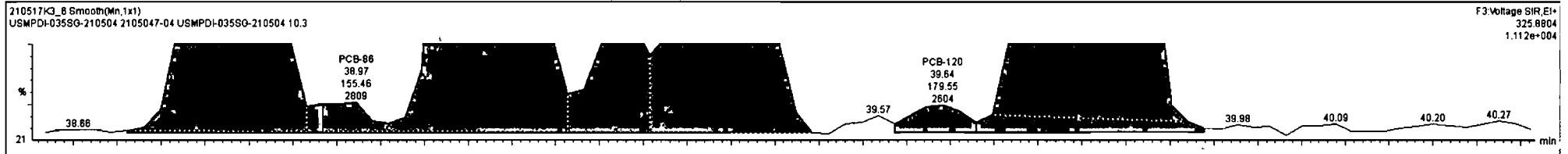




210517K3\_6 - 2105047-04 USMPDI-035SQ-210504 10.3 - USMPDI-035SQ-210504

#	Name	Resp	RA	nNy	RRF	wtVol	Pred RT	RT	Pred R.	RRT	RRT Fail	% Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9910	5.009	0.00		0.000		NO	1510		24.6	1554
229	3rd Function Penta-PCBs				1.1133	5.009	0.00		0.000		NO	2502		32.0	2512
230	4th Function Penta-PCBs				1.0512	5.009	0.00		0.000		NO	169.5		9.26	178.7
231	3rd Function Hexa-PCBs				0.7910	5.009	0.00		0.000		NO	498.2		7.67	559.5
232	4th Function Hexa-PCBs				0.9455	5.009	0.00		0.000		NO	1474		19.3	1490

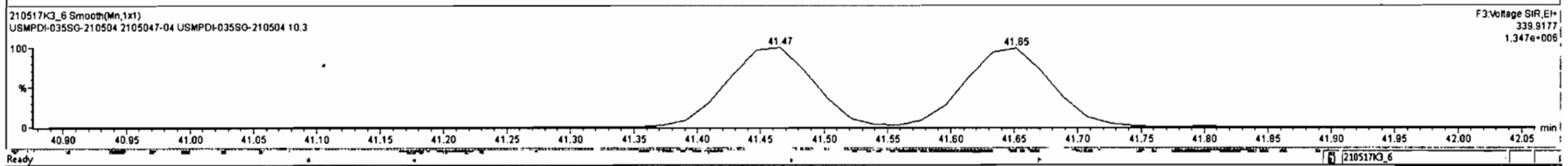
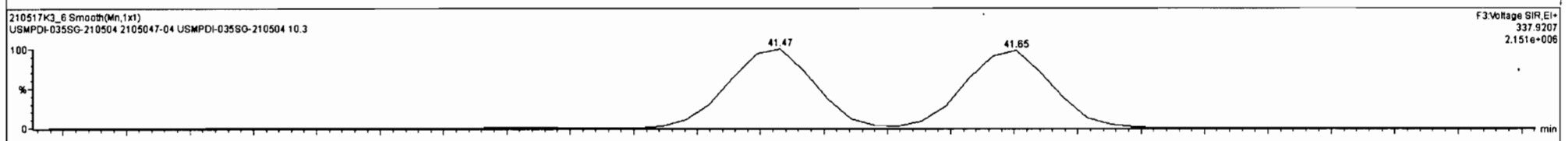
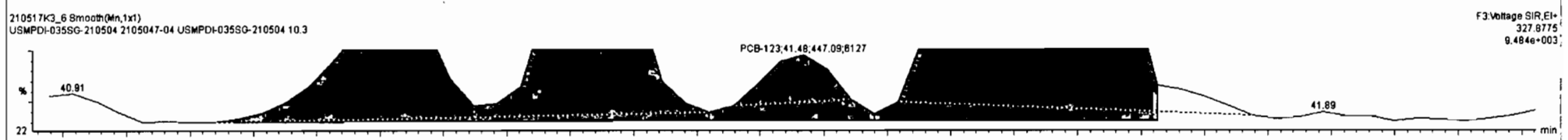
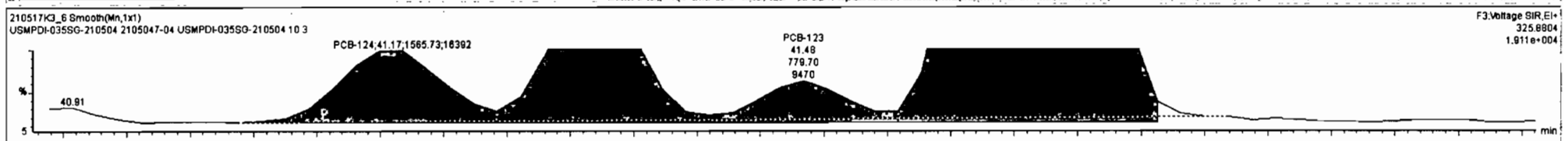
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nNy	EMPC	% Conc.
1	65 PCB-96	33.80	33.78	3.185e2	2.279e2	1.580	1.40	NO	3.8041	3.8041



210517K3\_6 - 2105047-04 USMPDI-035SG-210504 10.3 - USMPDI-035SG-210504

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred RT	RT	RT Pp	Pred R...	RRT	RRT Fal	Int Conc	%Rec	%H	DL	EMPC
228	Total Tetr-PCBs				0.9910	5.009	0.00			0.000		NO	1510		24.8	1554	
229	3rd Function Penta-PCBs				1.1133	5.009	0.00			0.000		NO	2502		32.0	2512	
230	4th Function Penta-PCBs				1.0512	5.009	0.00			0.000		NO	189.5		9.26	178.7	
231	3rd Function Hexa-PCBs				0.7910	5.009	0.00			0.000		NO	496.2		7.67	559.5	
232	4th Function Hexa-PCBs				0.8455	5.009	0.00			0.000		NO	1424		17.9	1420	

#	Name	Pred RT	RT	Int Resp	m2 Resp	1% Ratio (Pred)	RA	n/y	EMPC	Conc
23	88 PCB-82	40.45	40.44	2.511e3	1.651e3	1.560	1.52	NO	47.365	47.365
24	89 PCB-124	41.17	41.17	1.566e3	1.054e3	1.560	1.48	NO	17.634	17.634
25	90 PCB-107/109	41.32	41.32	2.447e3	1.637e3	1.560	1.49	NO	26.744	26.744
26	91 PCB-123	41.49	41.48	7.797e2	4.471e2	1.560	1.74	NO	8.6983	8.6983
27	92 PCB-106/118	41.89	41.87	3.114e4	2.004e4	1.560	1.55	NO	372.36	372.36

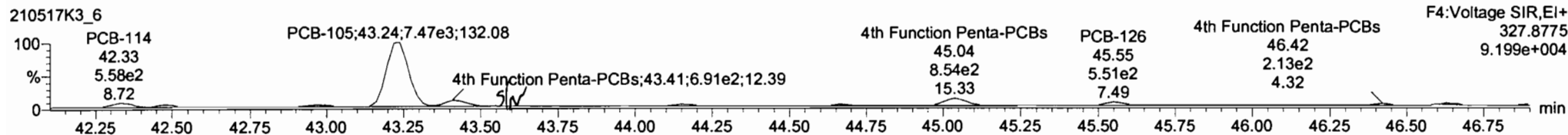
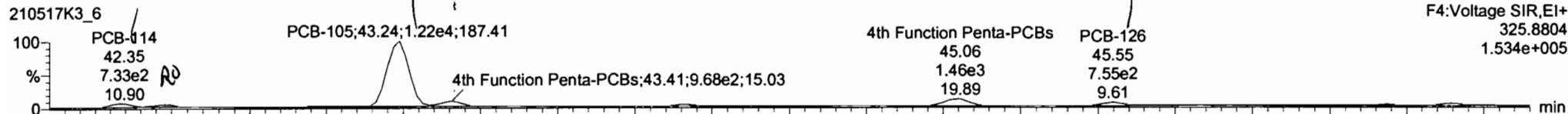


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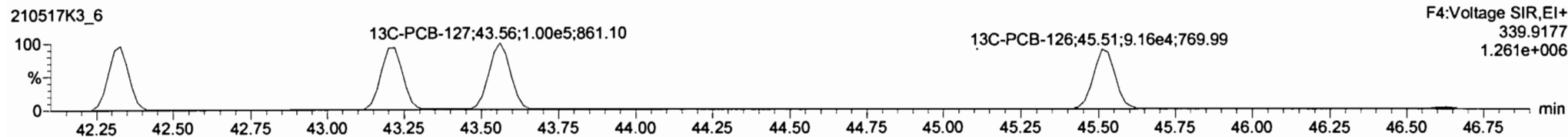
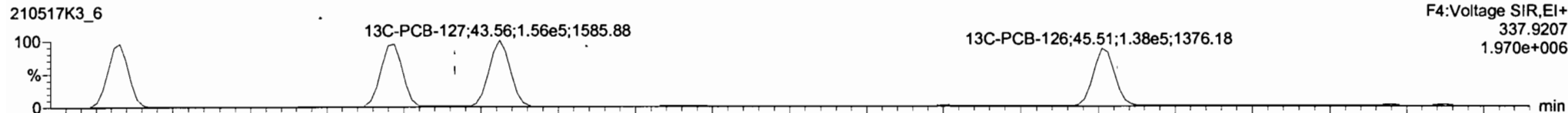
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Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

Name: 210517K3\_6, Date: 18-May-2021, Time: 08:06:58, ID: 2105047-04 USMPDI-035SG-210504 10.3, Description: USMPDI-035SG-210504

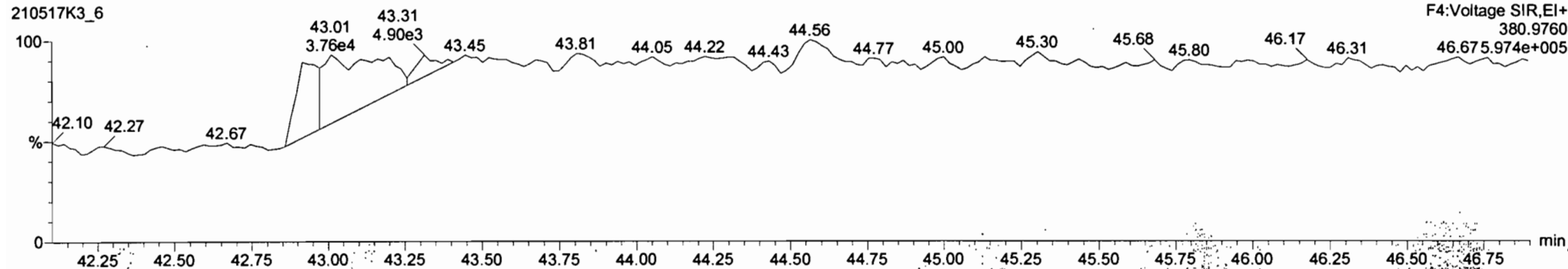
**PCB-114**



**13C-PCB-114**



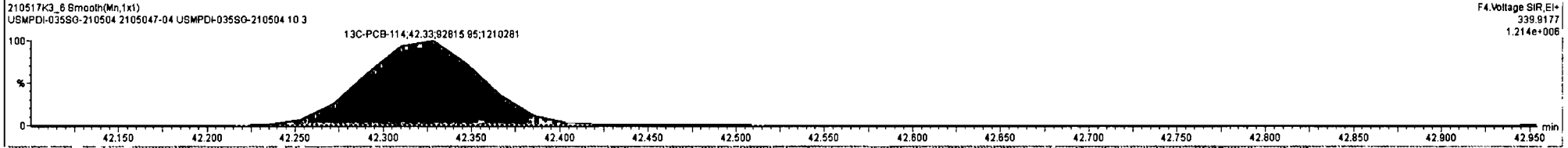
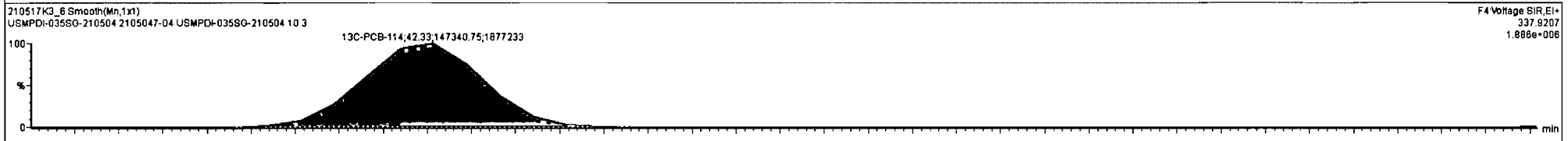
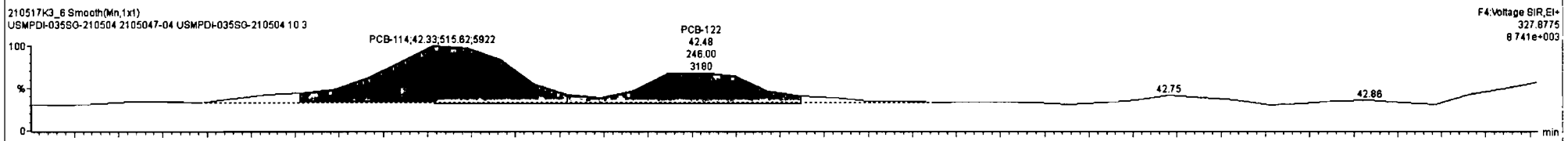
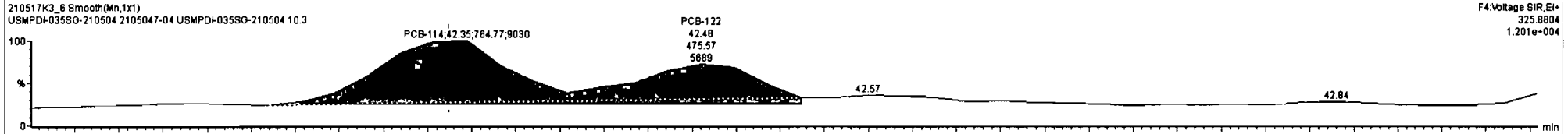
**PFK4a**



210517K3\_6 - 2105047-04 USMPDI-035SG-210504 10 3 - USMPDI-035SG-210504

#	Name	Resp	RA	n/y	RRF	mVol	Pred.RT	RT	Pred.RT	RT	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.8910	5.009	0.00		0.000			NO	1510		24.6	1554
229	3rd Function Penta-PCBs				1.1133	5.009	0.00		0.000			NO	2502		32.0	2511
230	4th Function Penta-PCBs				1.0512	5.009	0.00		0.000			NO	1713		9.27	178.9
231	3rd Function Hexa-PCBs				0.7910	5.009	0.00		0.000			NO	496.2		7.67	559.5
232	4th Function Hexa-PCBs				0.9444	5.009	0.00		0.000			NO	1474		19.3	1490

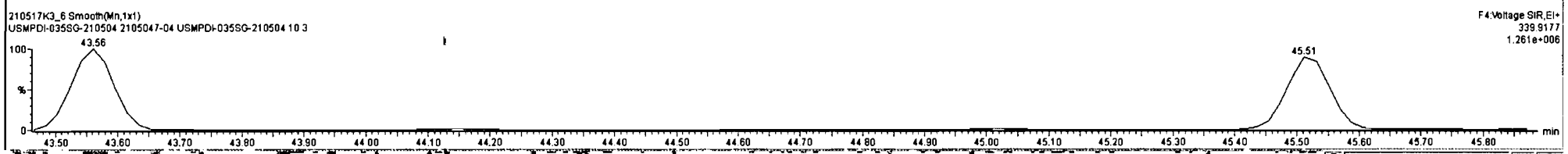
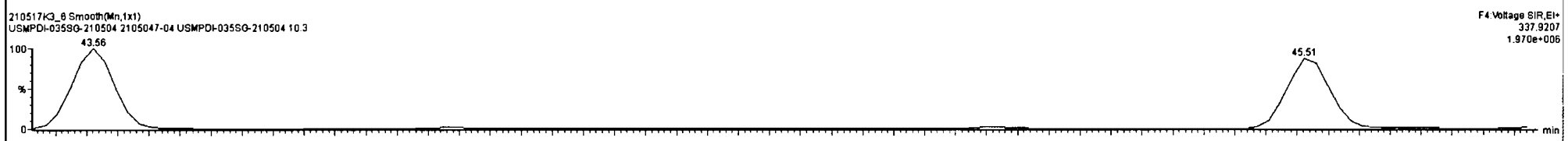
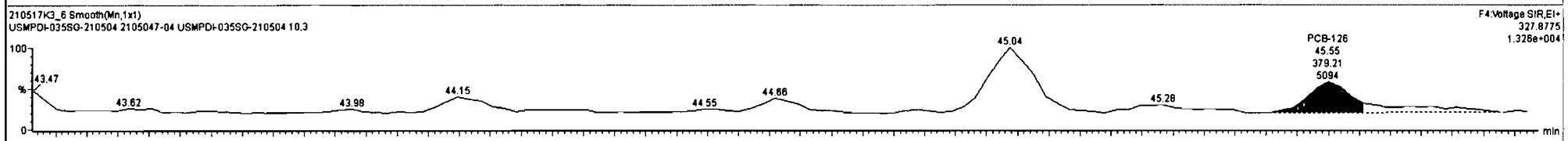
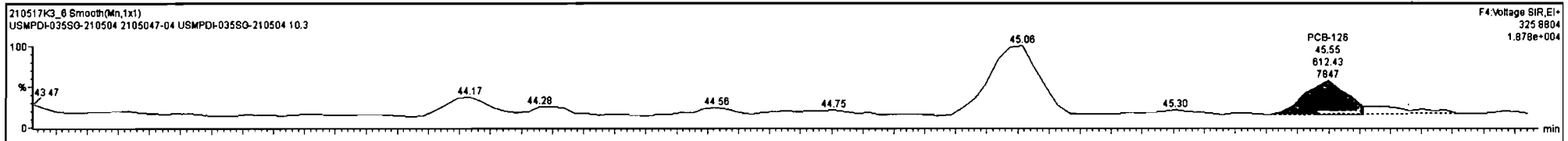
#	Name	Pred.RT	RT	mf Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	93 PCB-114	42.35	42.35	7.848e2	5.156e2	1.560	1.48	NO	9.8188	9.8188
2	94 PCB-122	42.50	42.48	4.759e2	2.480e2	1.560	1.93	YES	5.6271	0.00000
3	95 PCB-105	43.24	43.24	1.220e4	7.473e3	1.550	1.63	NO	154.01	154.01
4	97 PCB-126	45.53	45.55	8.124e2	3.782e2	1.560	1.67	NO	7.4900	7.4900



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#	Name	Resp	RA	nly	RPF	wtVol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9910	5.009	0.00		0.000		NO	1510		24.6	1554
229	3rd Function Penta-PCBs				1.1133	5.009	0.00		0.000		NO	2502		32.0	2511
230	4th Function Penta-PCBs				1.0512	5.009	0.00		0.000		NO	171.3		9.27	178.9
231	3rd Function Hexa-PCBs				0.7910	5.009	0.00		0.000		NO	496.2		7.87	559.5
232	4th Function Hexa-PCBs				0.9445	5.009	0.00		0.000		NO	1424		92.9	1490

#	Name	Pred RT	RT	m1 Resp	m2 Resp	% Ratio (Pred)	RA	nly	EMPC	% Conc
1	83 PCB-114	42.35	42.35	7.848e2	5.156e2	1.560	1.48	NO	9.8188	9.8188
2	84 PCB-122	42.50	42.48	4.758e2	2.460e2	1.560	1.93	YES	5.6271	0.00000
3	95 PCB-105	43.24	43.24	1.220e4	7.473e3	1.550	1.63	NO	154.01	154.01
4	97 PCB-126	45.53	45.55	6.124e2	3.792e2	1.560	1.62	NO	7.4900	7.4900



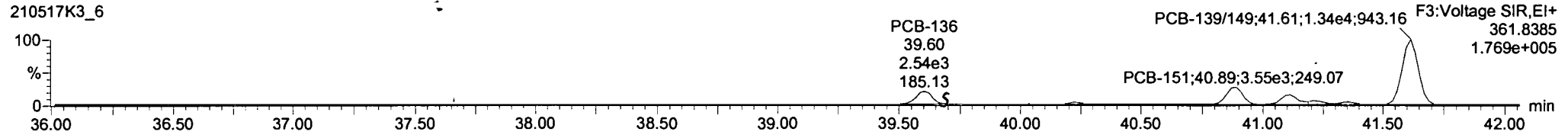
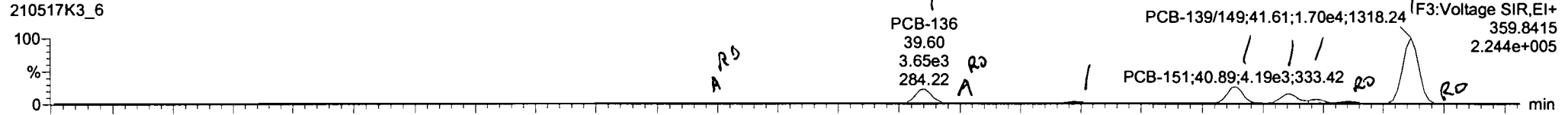


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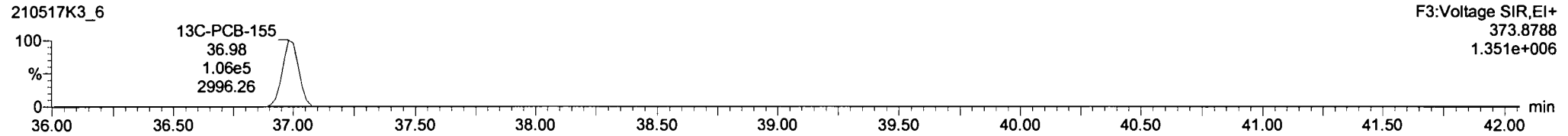
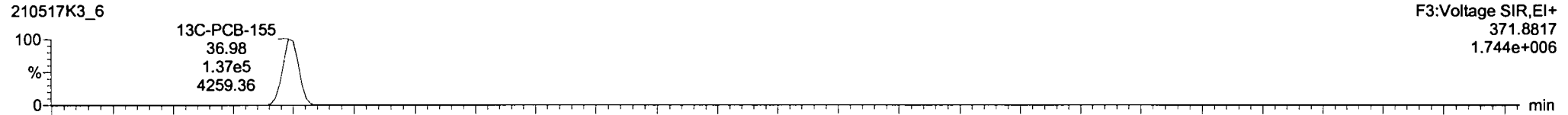
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Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

Name: 210517K3\_6, Date: 18-May-2021, Time: 08:06:58, ID: 2105047-04 USMPDI-035SG-210504 10.3, Description: USMPDI-035SG-210504

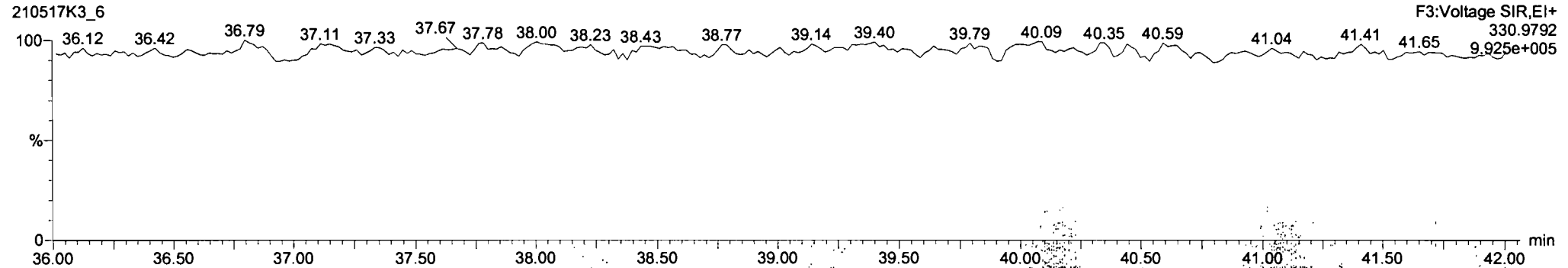
**PCB-155**



**13C-PCB-155**



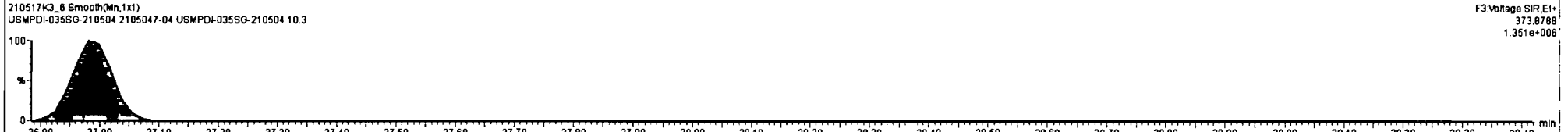
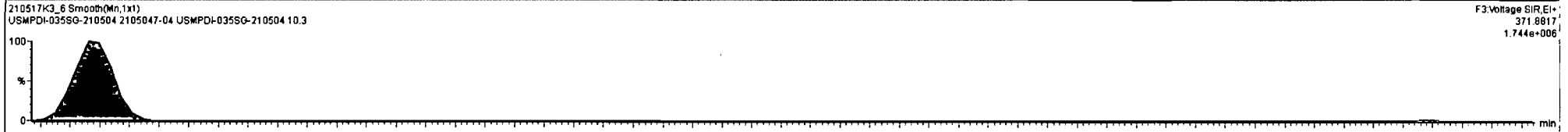
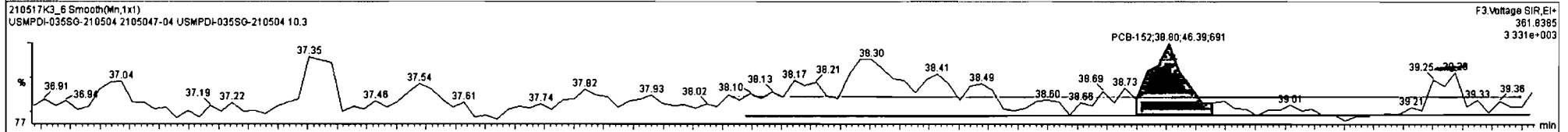
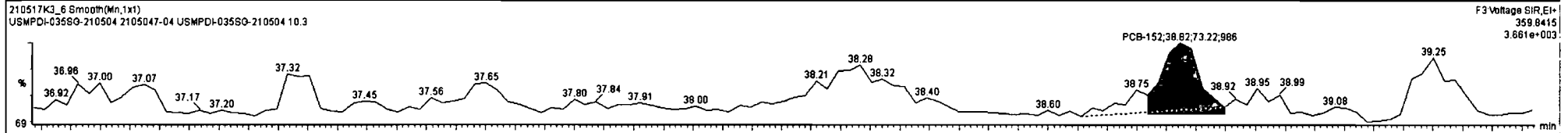
**PFK3c**



210517K3\_6 - 2105047-04 USMPDI-035SQ-210504 10.3 - USMPDI-035SQ-210504

#	Name	Resp	RA	n/y	+RRF	wt/Avl	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9910	5.009	0.00	0.000			NO	1510		24.6	1554
229	3rd Function Penta-PCBs				1.1133	5.009	0.00	0.000			NO	2502		32.0	2511
230	4th Function Penta-PCBs				1.0512	5.009	0.00	0.000			NO	171.3		9.27	176.9
231	3rd Function Hexa-PCBs				0.7910	5.009	0.00	0.000			NO	558.4		7.67	572.1
232	4th Function Hexa-PCBs				0.9445	4.999	0.00	0.000			NO	1424		19.1	1490

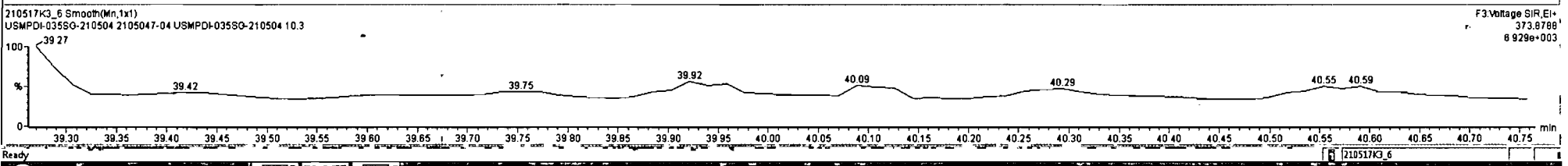
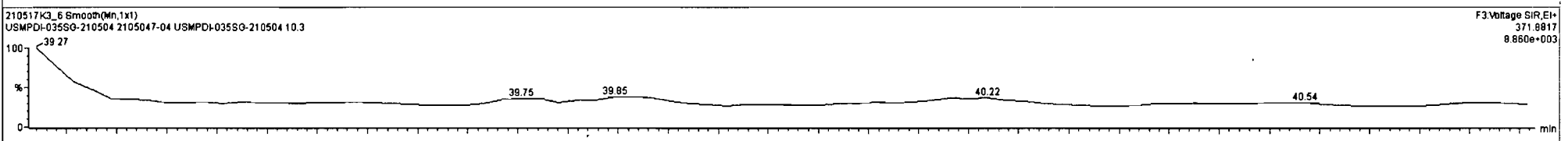
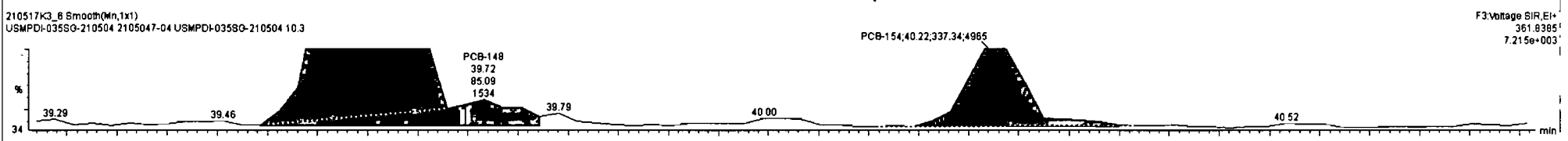
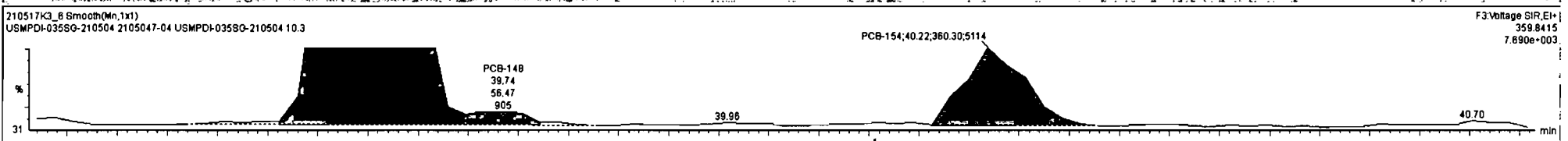
#	Name	Pred RT	RT	m1 Resp	m2 Resp	11* Ratio (Pred)	RA	n/y	EMPC	Conc
1	100 PCB-152	36.80	36.82	7.322e1	4.839e1	1.240	1.58	YES	0.83956	0.00000
2	102 PCB-136	39.80	39.60	3.644e3	2.851e3	1.240	1.37	NO	58.777	58.777
3	103 PCB-148	39.72	39.74	6.053e1	9.951e1	1.240	0.61	YES	1.3504	0.00000
4	104 PCB-154	40.22	40.22	3.603e2	3.359e2	1.240	1.07	NO	7.9452	7.9452
5	105 PCB-151	40.87	40.89	4.251e3	3.579e3	1.240	1.19	NO	95.552	95.552

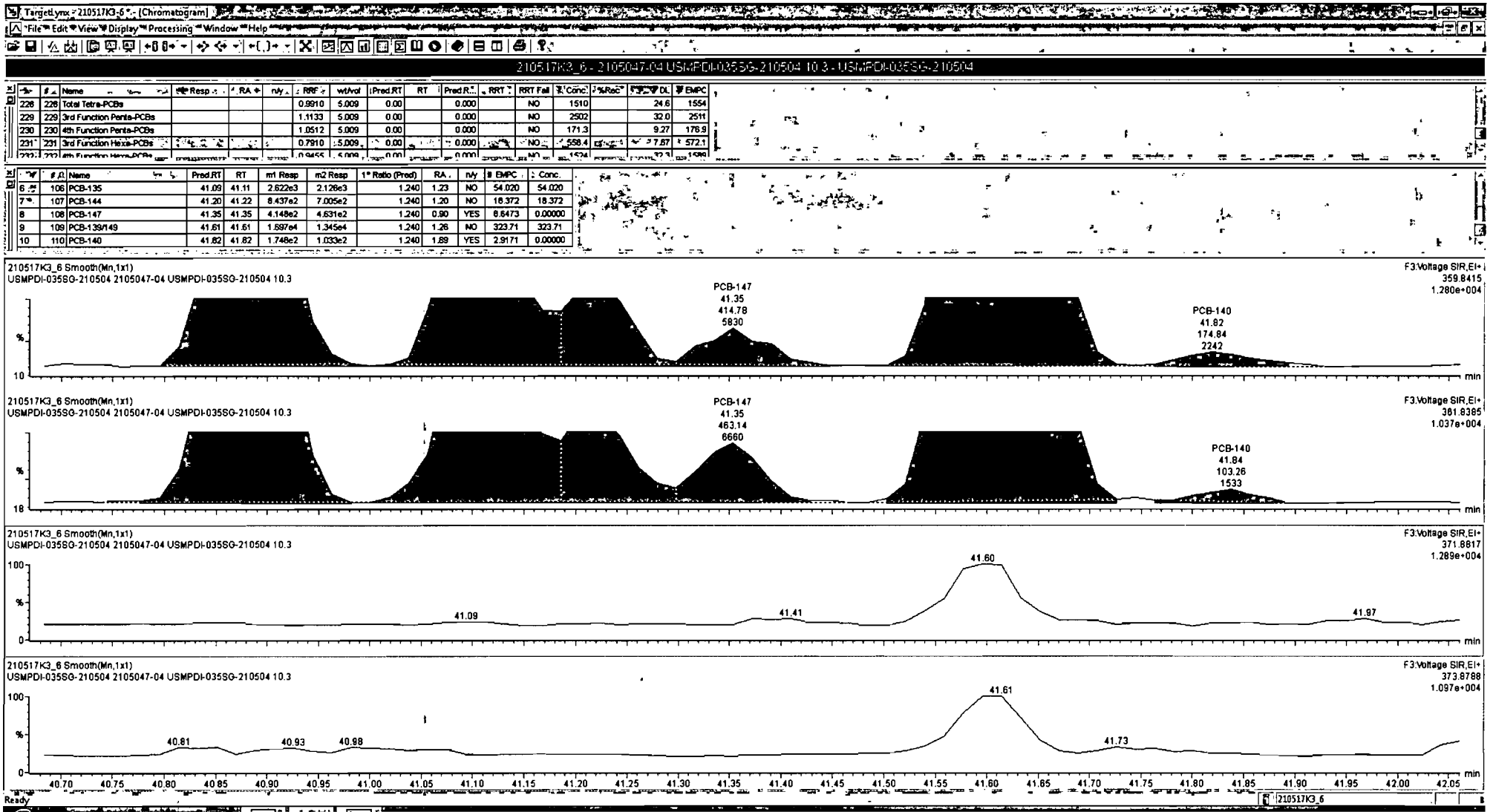


210517K3\_6 - 2105047-04 USMPDI-035SG-210504 10.3 - USMPDI-035SG-210504

#	Name	Resp	RA	n/y	RRF	wVol	Pred RT	RT	Pred R...	f RRT	RRT Fail	Conc	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9910	5.009	0.00		0.000		NO	1510		24.6	1554
229	3rd Function Penta-PCBs				1.1133	5.009	0.00		0.000		NO	2502		32.0	2511
230	4th Function Penta-PCBs				1.0512	5.009	0.00		0.000		NO	171.3		9.27	178.9
231	3rd Function Hexa-PCBs				0.7910	5.009	0.00		0.000		NO	598.4		7.67	572.1
232	4th Function Hexa-PCBs				0.9444	5.009	0.00		0.000		NO	1474		19.9	1490

#	RT	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc
1	38.80	PCB-152	38.80	38.82	7.322e1	4.839e1	1.240	1.58	YES	0.83958	0.00000
2	39.60	PCB-136	39.60	39.60	3.644e3	2.656e3	1.240	1.37	NO	58.831	58.831
3	39.72	PCB-148	39.72	39.74	5.647e1	8.509e1	1.240	0.66	YES	1.2598	0.00000
4	40.22	PCB-154	40.22	40.22	3.603e2	3.373e2	1.240	1.07	NO	7.9634	7.9634
5	40.87	PCB-151	40.87	40.89	4.251e3	3.579e3	1.240	1.19	NO	95.552	95.552

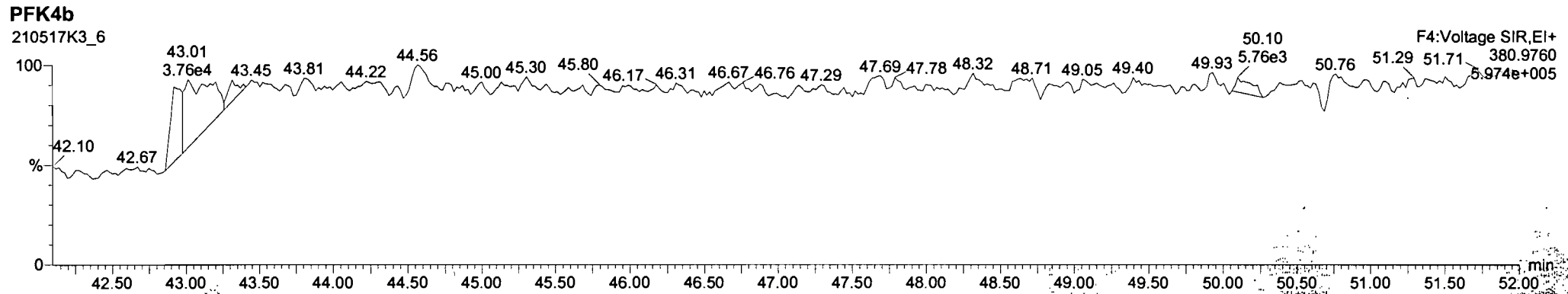
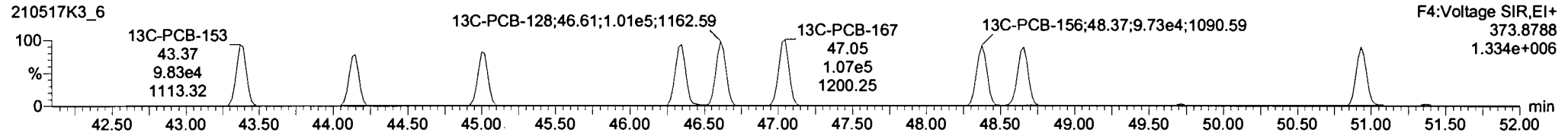
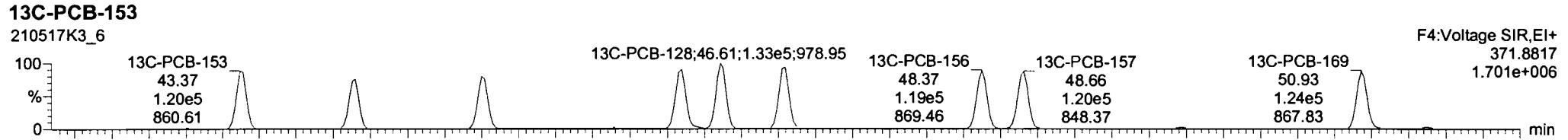
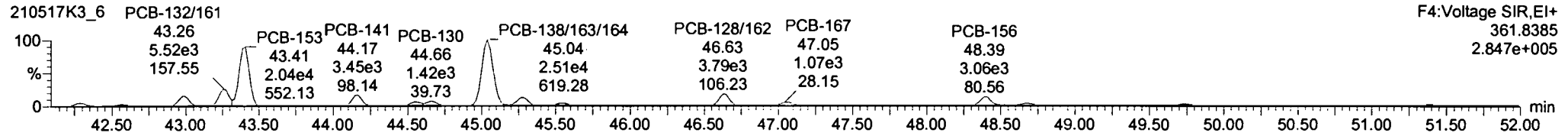
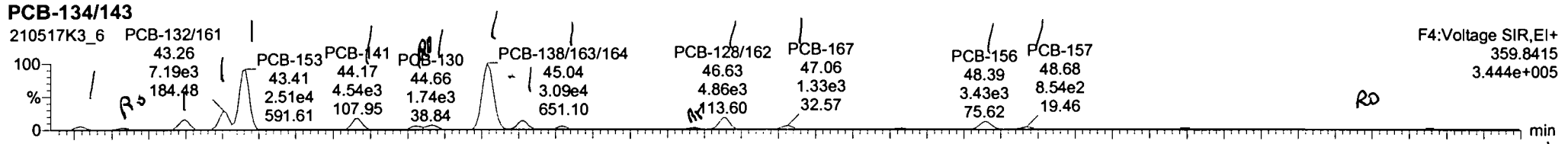




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Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

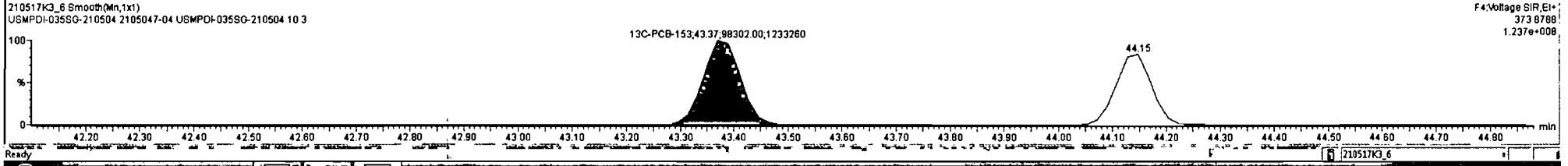
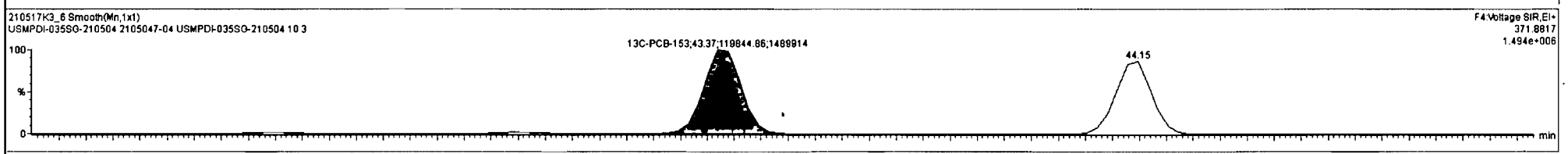
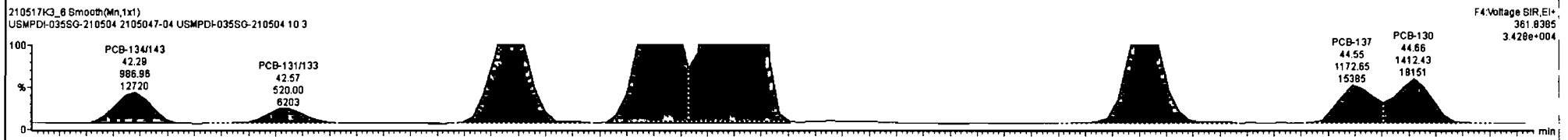
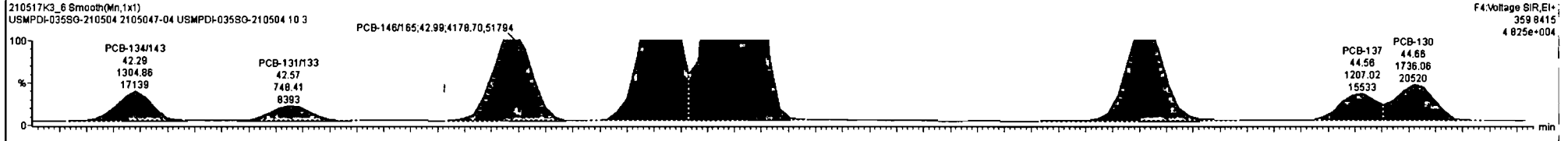
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210517K3\_6 - 2105047-04 USMPDI-035SG-210504 10 3 - USMPDI-035SG-210504

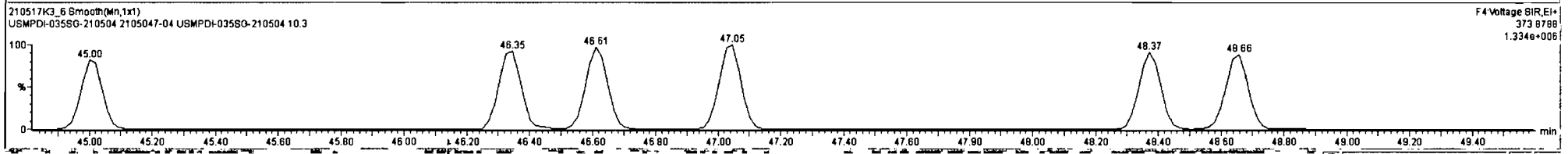
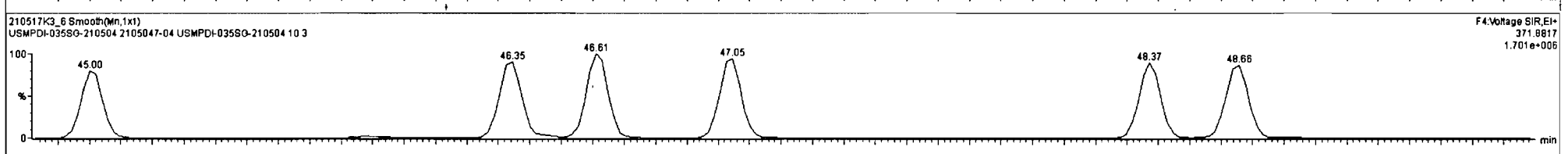
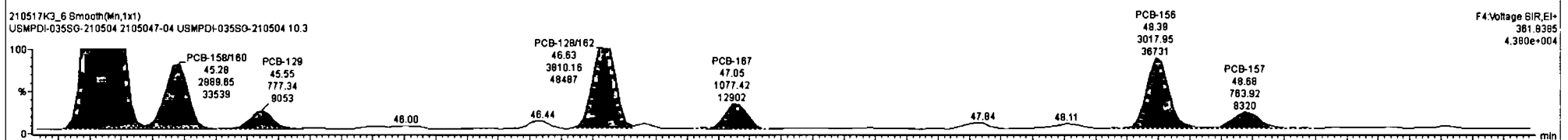
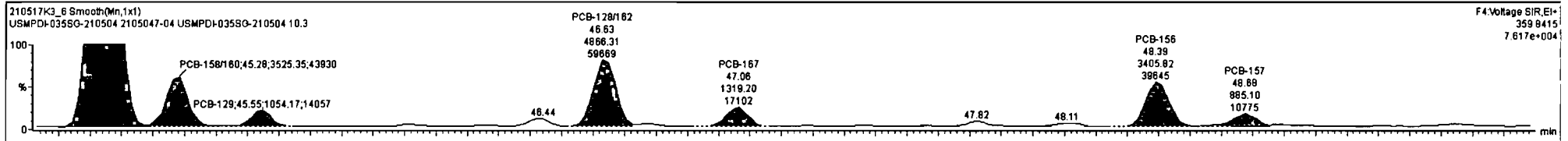
#	Name	Resp	RA	n/y	RRF	Fwt/Vol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9910	5.009	0.00		0.000		NO	1510		24.6	1554
229	3rd Function Penta-PCBs				1.1133	5.009	0.00		0.000		NO	2502		32.0	2511
230	4th Function Penta-PCBs				1.0512	5.009	0.00		0.000		NO	171.3		9.27	178.9
231	3rd Function Hexa-PCBs				0.7910	5.009	0.00		0.000		NO	558.4		7.87	572.1

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
111	PCB-134/143	42.27	42.29	1.305e3	9.870e2	1.240	1.32	NO	29.223	29.223
112	PCB-131/133	42.57	42.57	7.464e2	5.200e2	1.240	1.44	YES	13.885	0.00000
114	PCB-146/165	42.97	42.99	4.179e3	3.313e3	1.240	1.26	NO	72.870	72.870
115	PCB-132/161	43.22	43.26	7.174e3	5.599e3	1.240	1.26	NO	122.02	122.02



#	Name	Resp	RA	n/y	RRF	wt/Vol	Prod RT	RT	Prod R...	RRF	RRF Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9910	5.009	0.00		0.000		NO	1510		24.8	1554
229	3rd Function Penta-PCBs				1.1133	5.009	0.00		0.000		NO	2502		32.0	2511
230	4th Function Penta-PCBs				1.0512	5.009	0.00		0.000		NO	171.3		9.27	178.9
231	3rd Function Hexa-PCBs				0.7910	5.009	0.00		0.000		NO	558.4		7.87	572.1

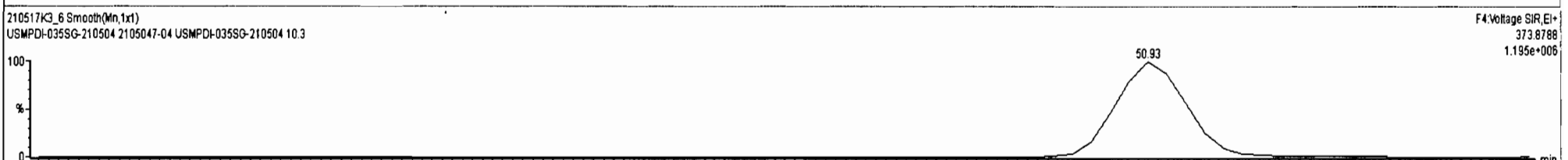
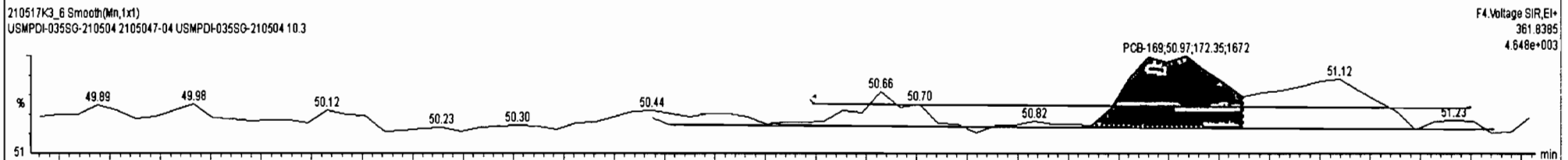
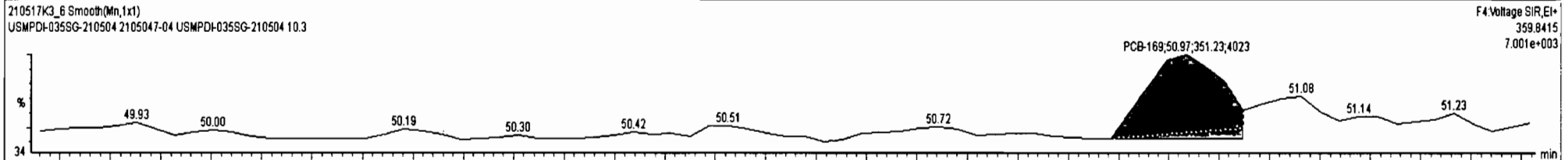
#	Name	Prod RT	RT	m1 Resp	m2 Resp	1* Ratio (Prod)	RA	n/y	EMPC	Conc.
1	111 PCB-134/143	42.27	42.29	1.305e3	9.970e2	1.240	1.32	NO	29.223	29.223
2	112 PCB-131/133	42.57	42.57	7.484e2	5.200e2	1.240	1.44	YES	13.965	0.00000
3	114 PCB-148/165	42.97	42.99	4.179e3	3.313e3	1.240	1.38	NO	72.670	72.670
4	115 PCB-132/161	43.22	43.26	7.174e3	5.586e3	1.240	1.28	NO	122.02	122.02



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#	Name	Resp	RA	inY	RRF	wtVol	Pred RT	RT	Pred R...	% RRT	RRT Fail	Conc.	% Rec	DL	EMPC
228	Total Tetra-PCBs				0.9910	5.009	0.00		0.000		NO	1510		24.6	1554
229	3rd Function Penta-PCBs				1.1133	5.009	0.00		0.000		NO	2502		32.0	2511
230	4th Function Penta-PCBs				1.0512	5.009	0.00		0.000		NO	171.3		9.27	176.9
231	3rd Function Hexa-PCBs				0.7910	5.009	0.00		0.000		NO	558.4		7.67	572.1

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	inY	EMPC	Conc.
1	111 PCB-134/143	42.27	42.29	1.305e3	9.870e2	1.240	1.32	NO	29.223	29.223
2	112 PCB-131/133	42.57	42.57	7.464e2	5.200e2	1.240	1.44	YES	13.885	0.00000
3	114 PCB-146/165	42.97	42.99	4.179e3	3.313e3	1.240	1.26	NO	72.670	72.670
4	115 PCB-132/161	43.22	43.26	7.174e3	5.588e3	1.240	1.28	NO	122.02	122.02
5	116 PCB-153	43.41	43.41	2.513e4	2.046e4	1.240	1.23	NO	421.41	421.41
6	118 PCB-141	44.16	44.17	4.527e3	3.415e3	1.240	1.33	NO	93.564	93.564
7	119 PCB-137	44.56	44.56	1.207e3	1.173e3	1.240	1.03	YES	25.262	0.00000



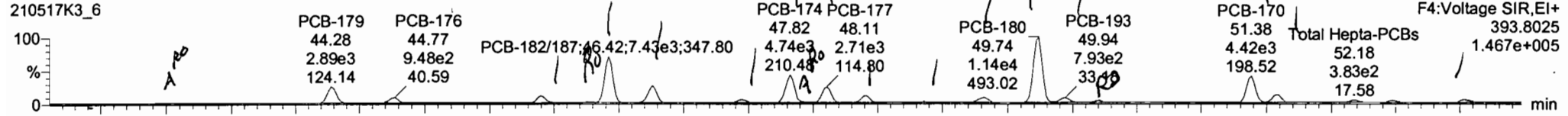


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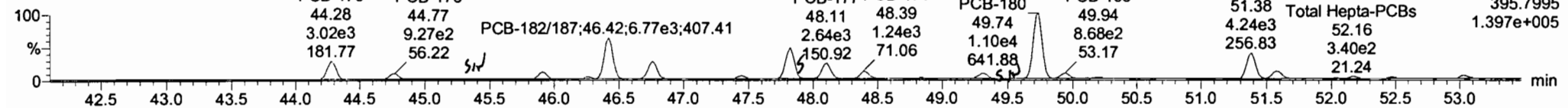
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Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

Name: 210517K3\_6, Date: 18-May-2021, Time: 08:06:58, ID: 2105047-04 USMPDI-035SG-210504 10.3, Description: USMPDI-035SG-210504

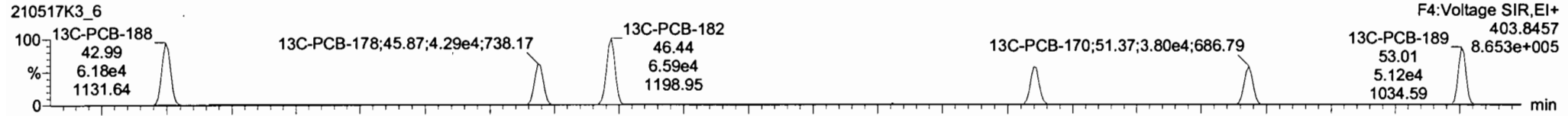
PCB-188



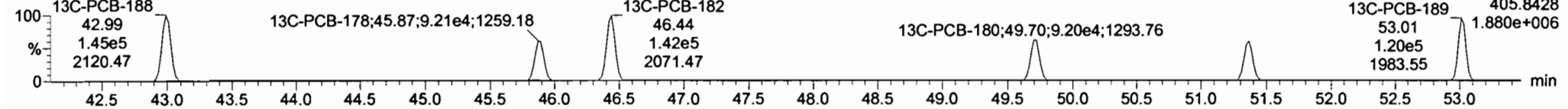
210517K3\_6



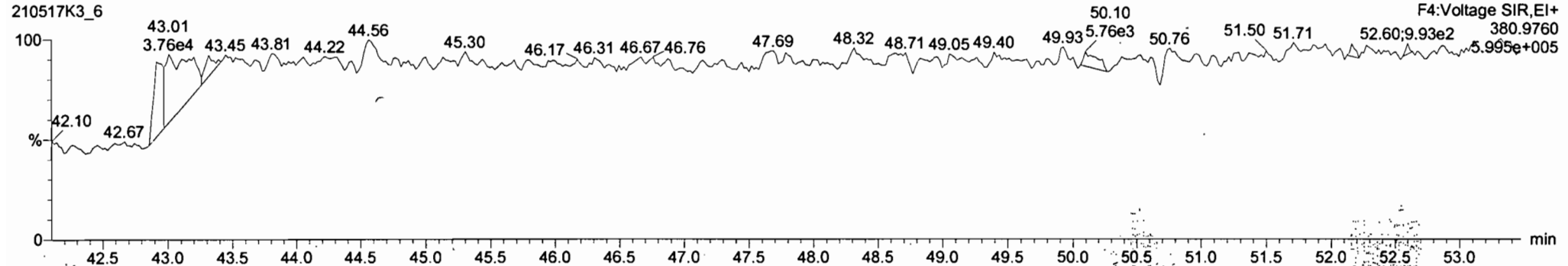
13C-PCB-188



210517K3\_6



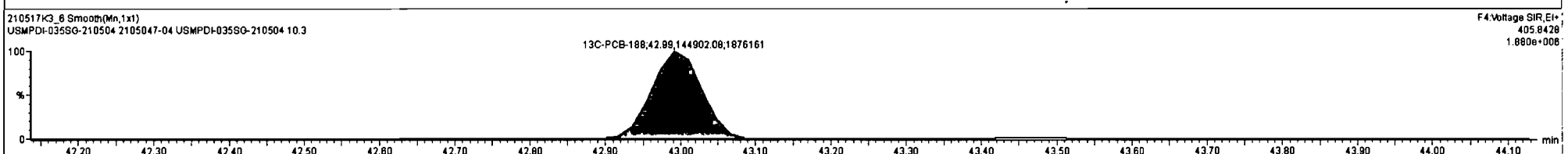
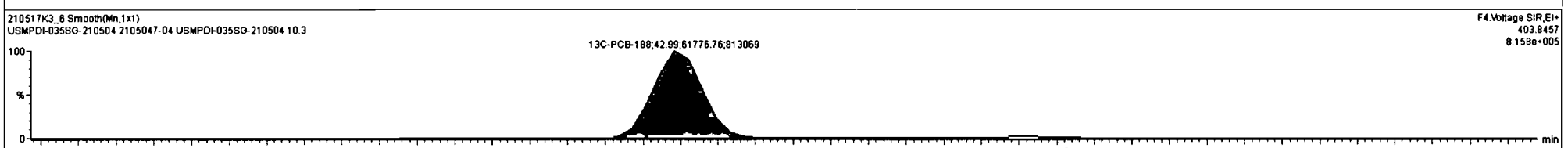
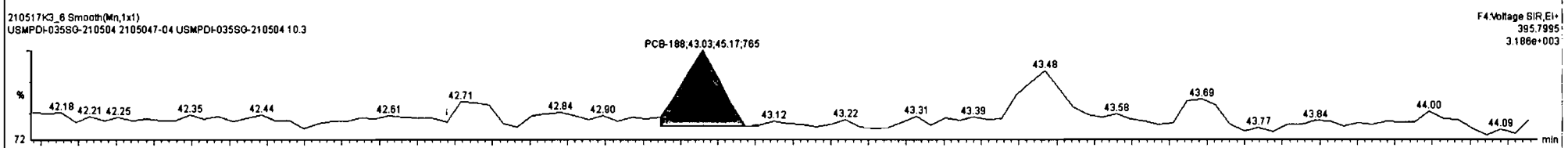
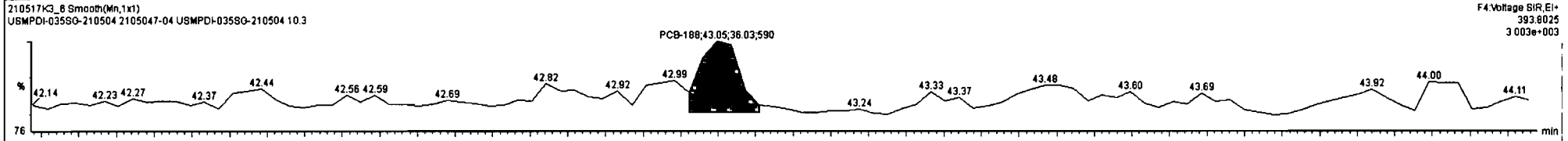
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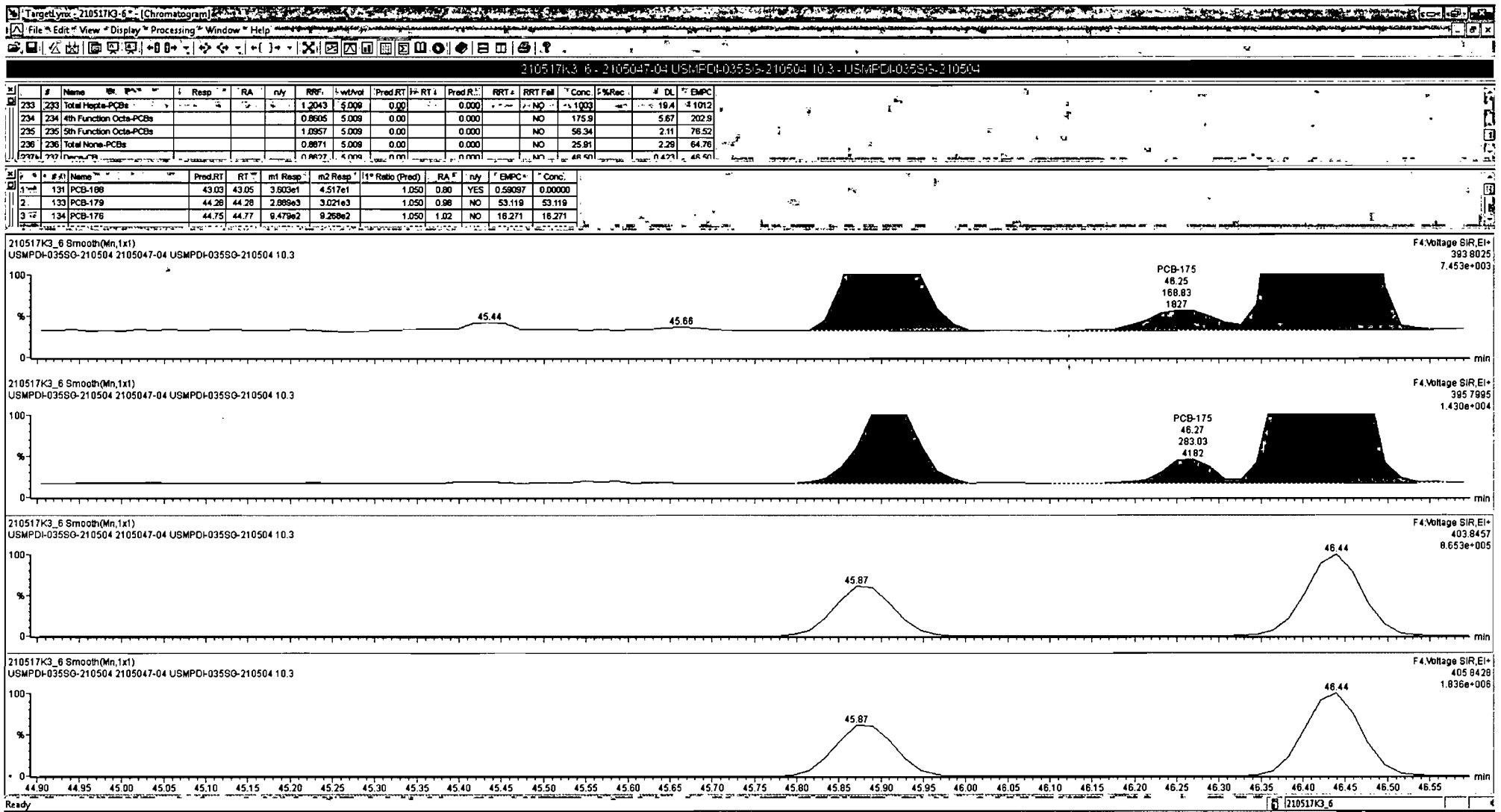


210517K3\_6 - 2105047-04 USMPDI-035SG-210504 10.3 - USMPDI-035SG-210504

SL	#	Name	Resp	RA	Y/N	RRF	wVol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233	Total Hepta-PCBs				1.2043	5.009	0.00		0.000		NO	1000		18.4	1012
234	234	4th Function Octa-PCBs				0.8605	5.009	0.00		0.000		NO	175.8		5.87	202.8
235	235	5th Function Octa-PCBs				1.0957	5.009	0.00		0.000		NO	56.34		2.11	76.52
236	236	Total Nona-PCBs				0.8871	5.009	0.00		0.000		NO	25.91		2.29	64.76
237	237					0.8877	5.009	0.00		0.000		NO	48.40		0.474	48.40

#	RA	Name	Pred RT	RT	mt Resp	fm2 Resp	1* Ratio (Pred)	RA	Y/N	EMPC	Conc
1	131	PCB-188	43.03	43.05	3.803e1	4.517e1	1.050	0.80	YES	0.53097	0.00000
2	133	PCB-179	44.26	44.26	2.889e3	3.021e3	1.050	0.96	NO	53.119	53.119
3	134	PCB-176	44.75	44.77	9.479e2	9.288e2	1.050	1.02	NO	16.271	16.271

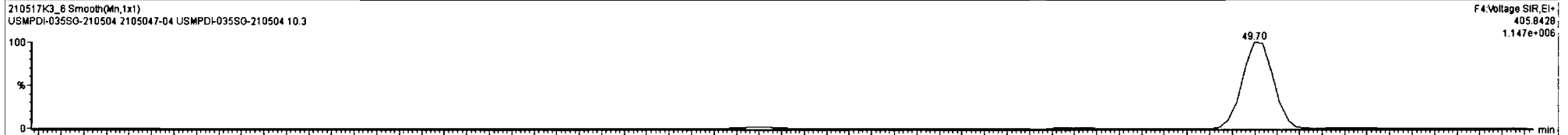
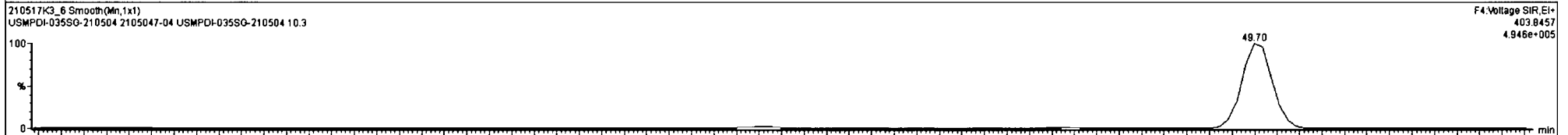
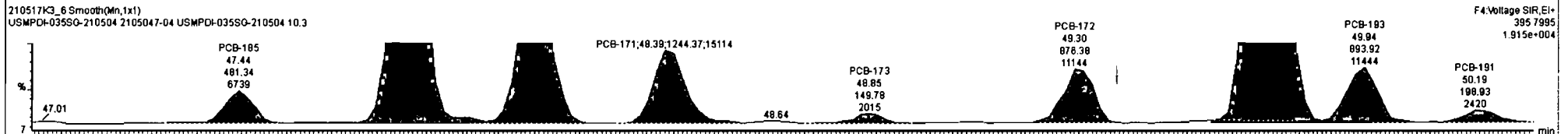




210517K3\_6 - 2105047-04 USMPDI-035SG-210504 10.3 - USMPDI-035SS-210504

#	Name	Resp	RA	n/y	RRF	wtAvd	Pred RT	RT	Pred R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
233	Total Hepta-PCBs				1.2043	5.009	0.00		0.000		NO	1003	19.4	1912	
234	4th Function Octa-PCBs				0.8505	5.009	0.00		0.000		NO	175.9	5.67	202.8	
235	5th Function Octa-PCBs				1.0957	5.009	0.00		0.000		NO	58.34	2.11	76.52	
236	Total Nona-PCBs				0.8871	5.009	0.00		0.000		NO	25.81	2.28	64.76	
237	Total Deca-PCBs				0.8877	4.009	0.00		0.000		NO	48.40	0.473	48.40	

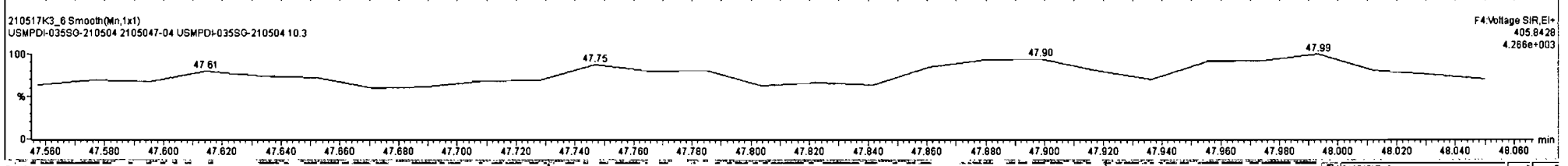
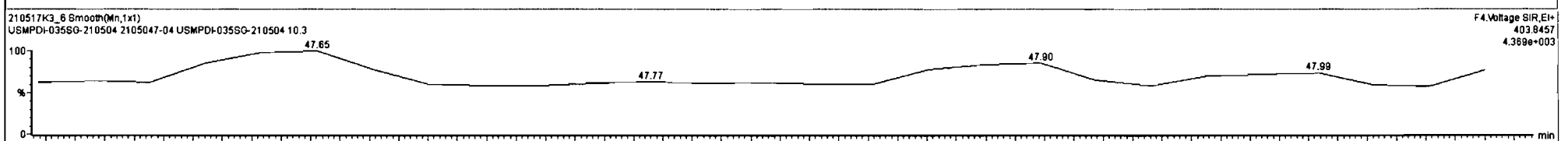
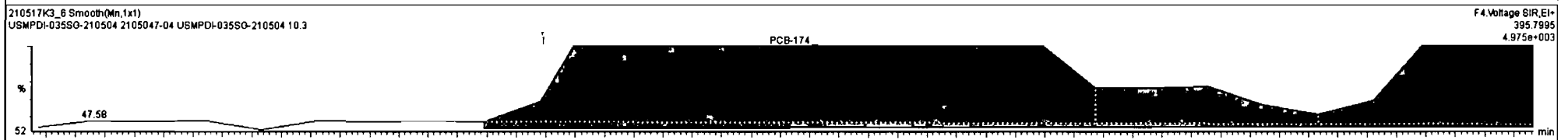
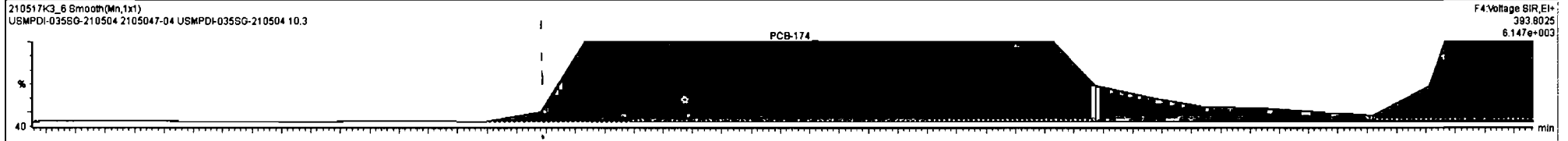
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	% EMPC	Conc
1	131 PCB-186	43.03	43.05	3.803e1	4.517e1	1.050	0.80	YES	0.59097	0.00000
2	133 PCB-179	44.28	44.28	2.889e3	3.021e3	1.050	0.86	NO	53.119	53.119
3	134 PCB-176	44.75	44.77	9.479e2	9.268e2	1.050	1.02	NO	16.271	16.271



210517K3\_6 - 2105047-04 USMPDI-035S6-210504 10.3 - USMPDI-035S5-210504

#	Name	F Resp	RA	nly	RRF	wtAve	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.2043	5.009	0.00	0.000				NO	1.194	1.1012	
234	234 4th Function Octa-PCBs				0.8695	5.009	0.00	0.000				NO	175.9	5.67	202.9
235	235 5th Function Octa-PCBs				1.0957	5.009	0.00	0.000				NO	56.94	2.11	78.52
236	236 Total Nona-PCBs				0.8871	5.009	0.00	0.000				NO	25.81	2.26	84.76
237	237 Total Deca-PCBs				0.8827	5.009	0.00	0.000				NO	48.50	0.473	48.50

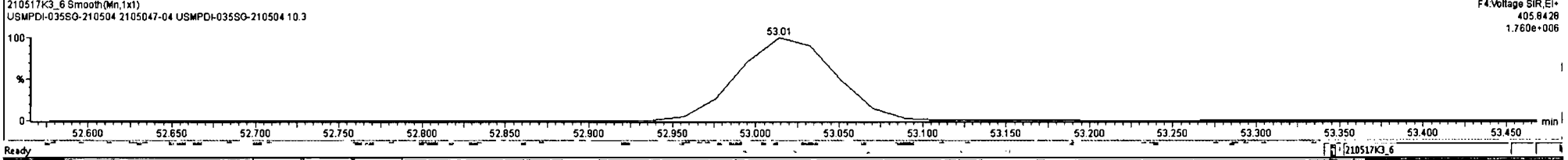
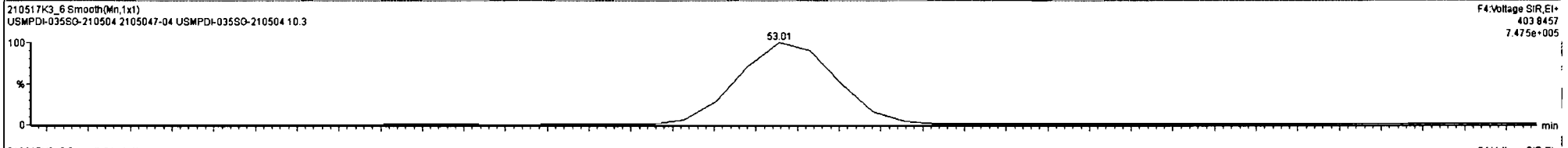
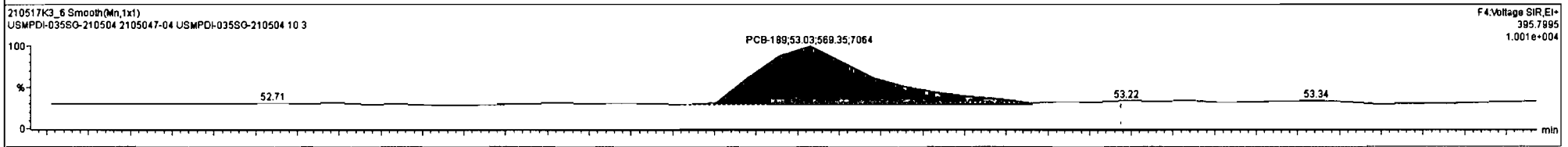
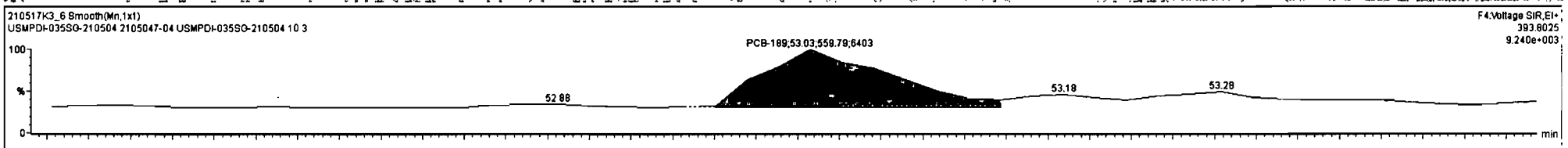
#	Name	Pred RT	RT	mt Resp	fm2 Resp	% Ratio (Pred)	RA	nly	EMPC	Conc.
8	140 PCB-195	47.42	47.44	5.296e2	4.813e2	1.050	1.10	NO	12.475	12.475
9	141 PCB-174	47.80	47.82	4.682e3	5.027e3	1.050	0.93	NO	123.82	123.82
10	142 PCB-181	47.90	47.92	6.847e1	6.932e1	1.050	0.99	NO	1.5837	1.5837
11	143 PCB-177	48.09	48.11	2.732e3	2.651e3	1.050	1.03	NO	72.066	72.066



210517K3\_6 - 2105047-04 USMPDI-035SG-210504 10.3 - USMPDI-035SG-210504

#	Name	Resp	RA	n/y	RRF	w/Nd	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	Total Hepta-PCBs				1.2043	5.009	0.00	0.000			NO	1004	19.4	1012	
234	4th Function Octa-PCBs				0.8605	5.009	0.00	0.000			NO	175.8	5.67	202.9	
235	5th Function Octa-PCBs				1.0957	5.009	0.00	0.000			NO	56.34	2.11	76.52	
236	Total Nona-PCBs				0.8671	5.009	0.00	0.000			NO	25.91	2.29	64.76	
237	Total PCBs				0.8677	5.009	0.00	0.000			NO	48.90	1.47	48.90	

#	Name	Pred RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	n/y	EMPC	Conc.
17	150 PCB-191	50.19	50.21	2.801e2	1.989e2	1.050	1.41	YES	4.1384	0.00000
18	151 PCB-170	51.39	51.38	4.418e3	4.239e3	1.050	1.04	NO	113.85	113.85
19	152 PCB-190	51.58	51.57	1.314e3	1.374e3	1.050	0.96	NO	27.038	27.038
20	153 PCB-189	53.04	53.03	5.598e2	5.683e2	1.050	0.98	NO	10.330	10.330



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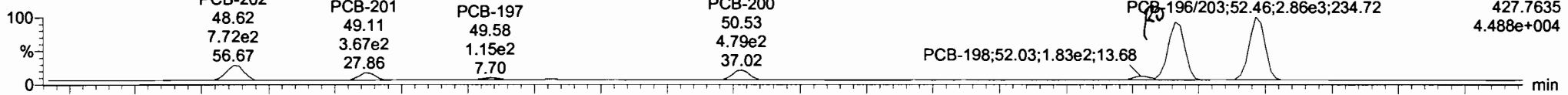
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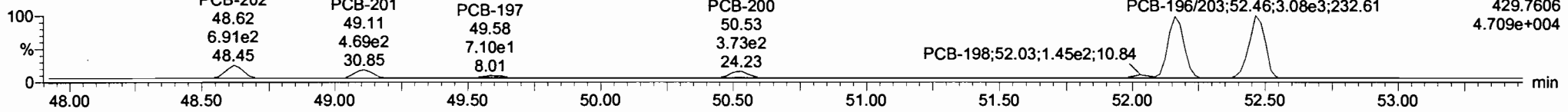
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**PCB-202**

210517K3\_6

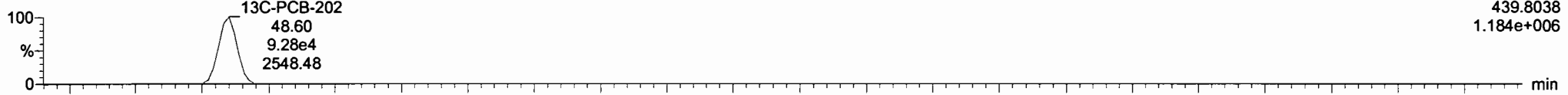


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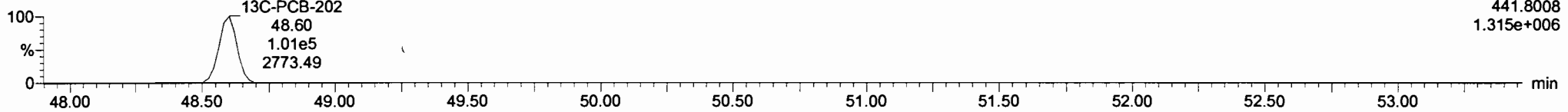


**13C-PCB-202**

210517K3\_6

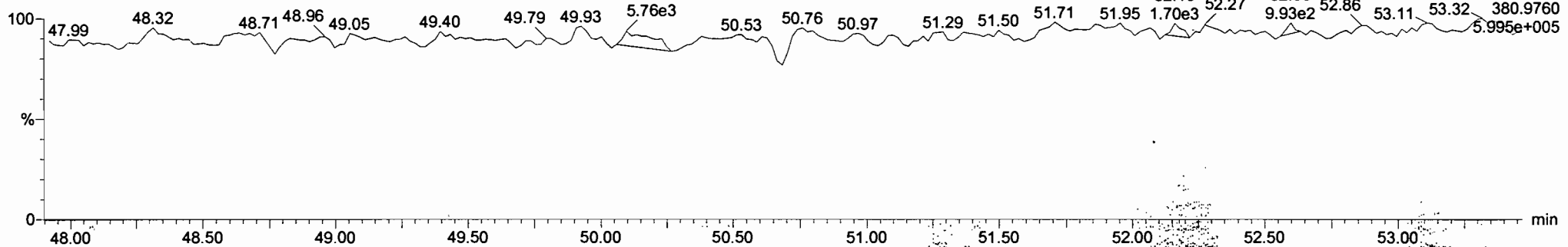


210517K3\_6



**PFK4d**

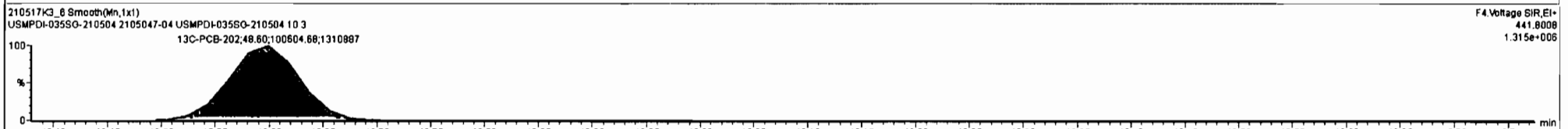
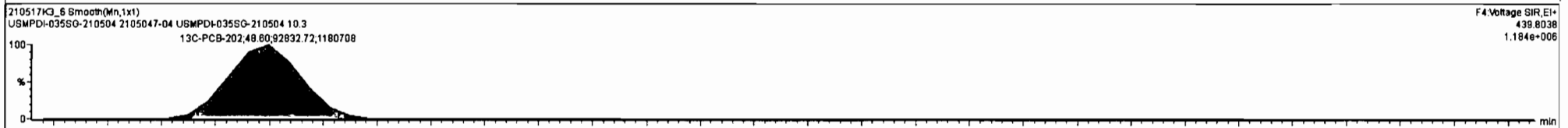
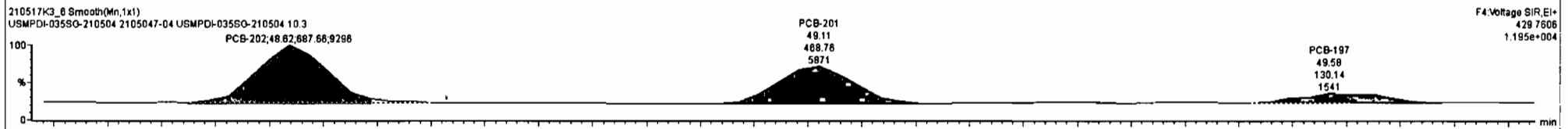
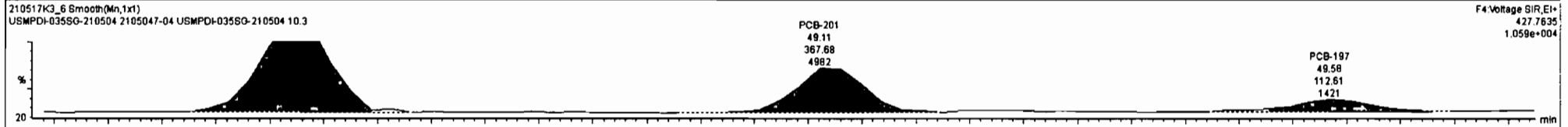
210517K3\_6



210517K3-6 - 2105047-04 USMPDI-035SG-210504 10.3 - USMPDI-035SG-210504

#	Name	Resp	RA	TV	RRF	wtVol	Prd RT	RT	Prd R	RTT	RTT Fail	Conc	%Rec	DL	EMPC
233	Total Hepte-PCBs				1.2043	5.009	0.00		0.000		NO	1004		19.4	1012
234	4th Function Octa-PCBs				0.8805	5.009	0.00		0.000		NO	178.9		5.87	203.9
235	5th Function Octa-PCBs				1.0957	5.009	0.00		0.000		NO	56.34		2.11	78.52
236	Total Nona-PCBs				0.8871	5.009	0.00		0.000		NO	25.91		2.29	64.76
237					0.8877	5.009	0.00		0.000		NO	48.40		0.471	48.40

#	Name	Prd RT	RT	m1 Resp	m2 Resp	11* Ratio (Prd)	RA	TV	EMPC	Conc
1	154 PCB-202	48.64	48.82	7.845e2	6.877e2	0.890	1.11	YES	13.488	0.00000
2	155 PCB-201	49.13	49.11	3.877e2	4.686e2	0.890	0.78	NO	9.5515	9.5515
3	157 PCB-197	49.61	49.58	1.128e2	1.301e2	0.890	0.87	NO	2.5991	2.5991
4	158 PCB-200	50.53	50.53	4.791e2	3.590e2	0.890	1.33	YES	7.6841	0.00000
5	159 PCB-198	52.05	52.03	1.795e2	1.392e2	0.890	1.29	YES	3.9036	0.00000
6	160 PCB-199	52.18	52.18	2.795e3	3.021e3	0.890	0.93	NO	85.027	85.027

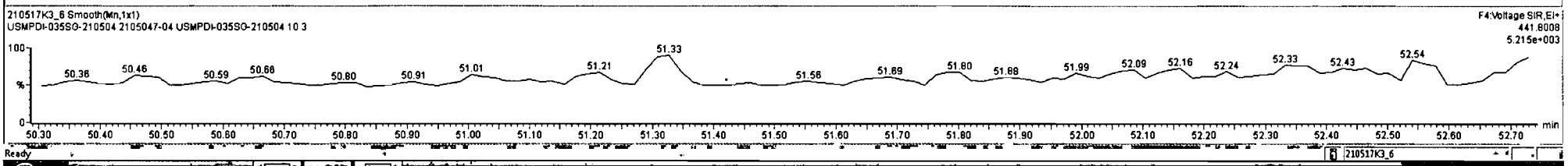
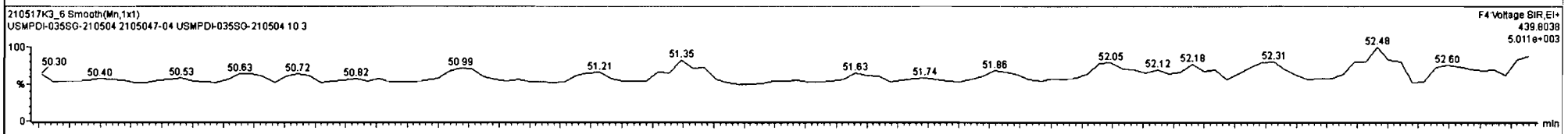
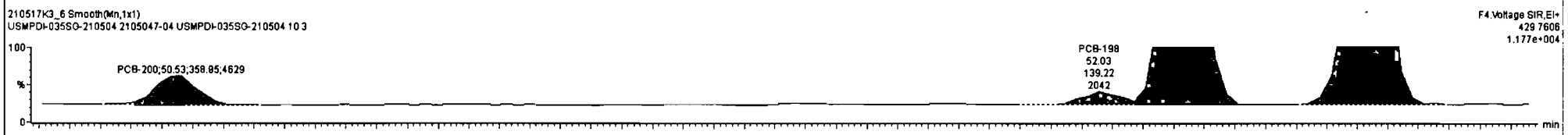
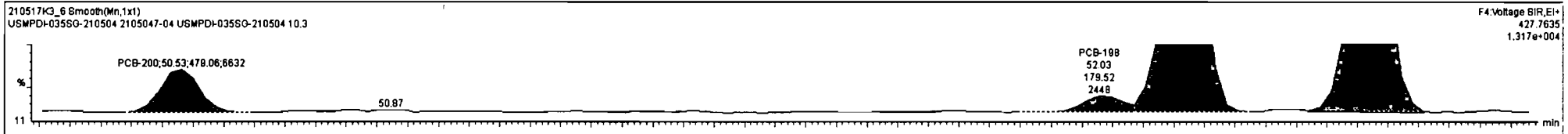




210517K3\_6 - 2105047-04 USMPDI-035SG-210504 10.3 - USMPDI-025SG-210504

#	Name	Resp	RA	RV	RRF	WtAval	Pred RT	RT	Pred R	RRR	RRT Fail	Conc	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.2043	5.009	0.00		0.000		NO	1004		19.4	1012
234	234 4th Function Octa-PCBs				0.8605	5.009	0.00		0.000		NO	178.8		5.87	203.8
235	235 5th Function Octa-PCBs				1.0957	5.009	0.00		0.000		NO	56.34		2.11	78.52
236	236 Total Nona-PCBs				0.8671	5.009	0.00		0.000		NO	25.91		2.29	64.76
797	797 Total PCBs				0.8677	5.009	0.00		0.000		NO	0.479		0.479	48.40

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1st Ratio (Pred)	RA	RV	F	EMPC	Conc
1	154 PCB-202	48.84	48.82	7.845e2	6.877e2	0.890	1.11	YES	13.486	0.00000	
2	155 PCB-201	49.13	49.11	3.877e2	4.896e2	0.890	0.78	NO	9.5515	9.5515	
3	157 PCB-197	49.61	49.58	1.126e2	1.301e2	0.890	0.87	NO	2.5991	2.5991	
4	158 PCB-200	50.53	50.53	4.791e2	3.590e2	0.890	1.33	YES	7.6841	0.00000	
5	159 PCB-198	52.05	52.03	1.795e2	1.392e2	0.890	1.29	YES	3.9036	0.00000	
6	160 PCB-199	52.18	52.18	2.795e3	3.021e3	0.890	0.83	NO	85.027	85.027	



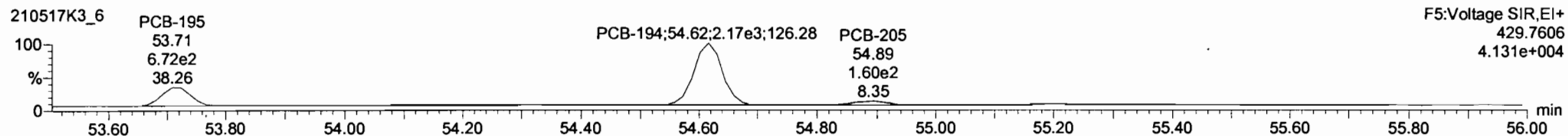
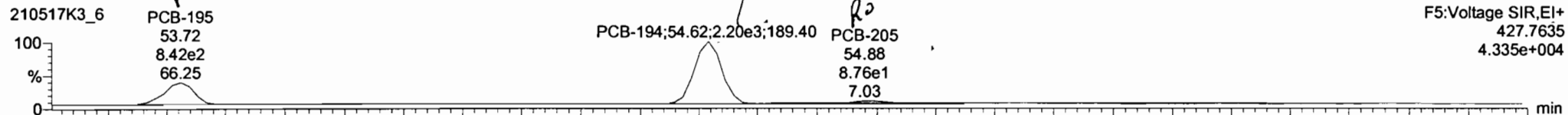
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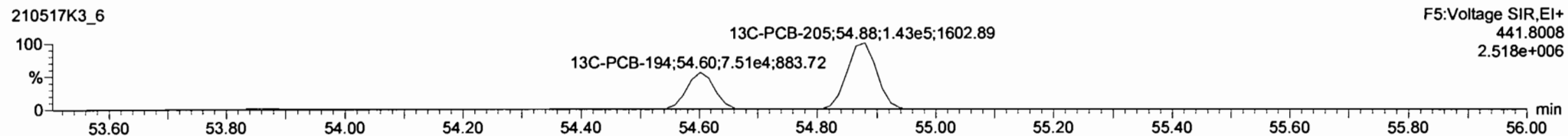
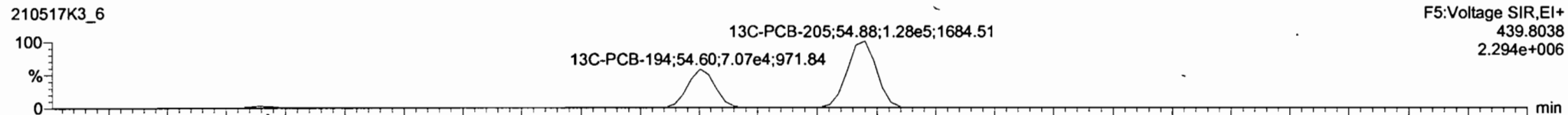
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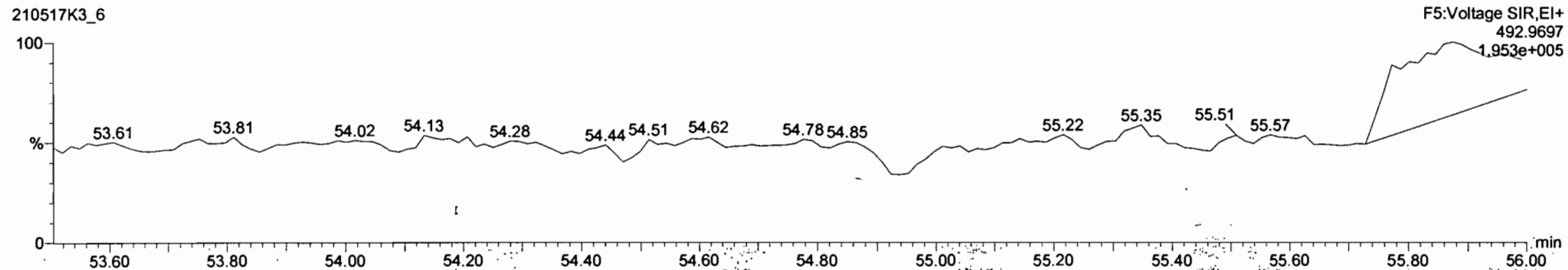
**PCB-195**



**13C-PCB-194**



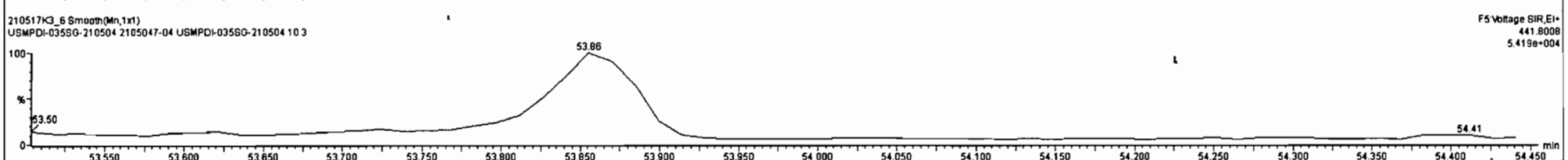
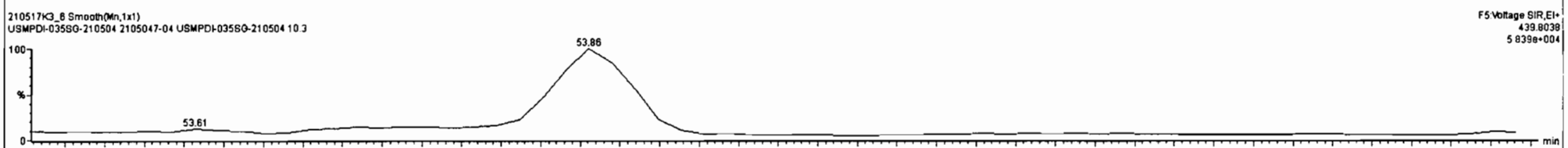
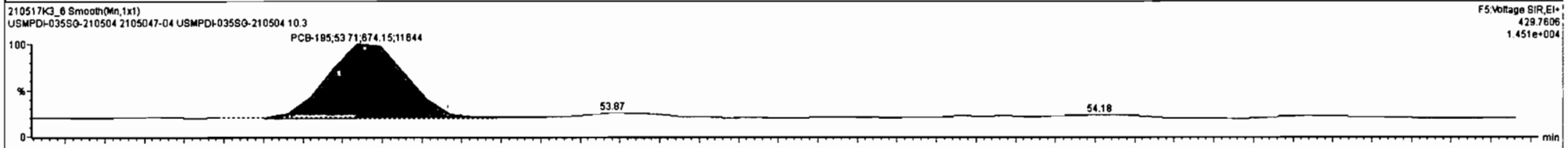
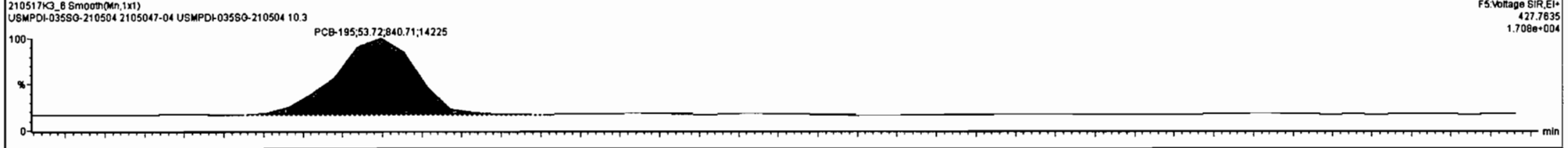
**PFK5a**



210517K3\_6 - 2105047-04 USMPDI-035S0-210504 10.3 - USMPDI-035S0-210504

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.RT	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	Total Hepta-PCBs				1.2043	5.009	0.00	0.000	0.000		NO	1004	19.4	1012	
234	4th Function Octa-PCBs				0.8605	5.009	0.00	0.000	0.000		NO	178.9	5.87	203.9	
235	5th Function Octa-PCBs				1.0957	5.009	0.00	0.000	0.000		NO	58.34	2.11	78.86	
236	Total Nona-PCBs				0.8671	5.009	0.00	0.000	0.000		NO	25.91	2.29	64.76	

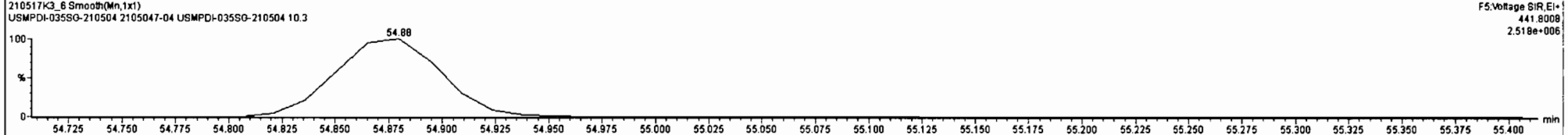
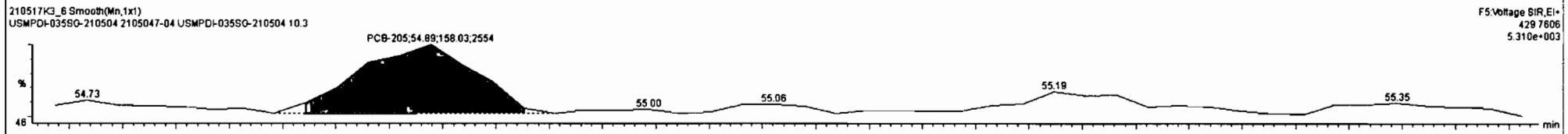
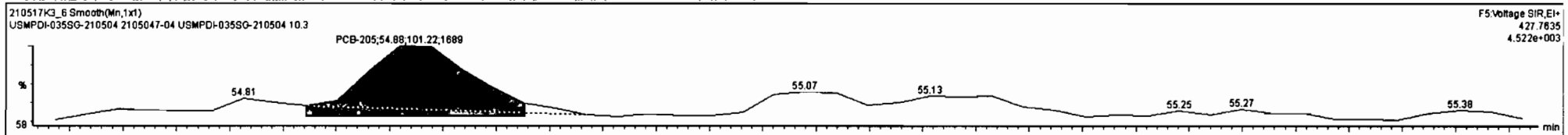
#	Name	Prod.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	162 PCB-195	53.72	53.72	8.407e2	6.741e2	0.890	1.25	YES	16.222	0.00000
2	163 PCB-194	54.62	54.62	2.196e3	2.166e3	0.890	1.01	NO	56.336	56.336



210517K3\_6 - 2105047-04 USMPDI-035SG-210504 10.3 - USMPDI-035SG-210504

#	Name	Resp	RA	nly	RRF	wtVol	Pred RT	RT F	Pred R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
233	Total Hepta-PCBs				1.2043	5.009	0.00	0.000		NO	1004	18.4		1012	
234	4th Function Octa-PCBs				0.8605	5.009	0.00	0.000		NO		5.67		203.8	
235	5th Function Octa-PCBs				1.0957	5.009	0.00	0.000		NO		2.11		78.86	
236	Total Nona-PCBs				0.8871	5.009	0.00	0.000		NO		2.29		84.76	

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	% EMPC	Conc
1	162 PCB-195	53.72	53.72	8.407e2	6.741e2	0.890	1.25	YES	18.222	0.00000
2	163 PCB-194	54.62	54.62	2.196e3	2.166e3	0.890	1.01	NO	56.336	56.336
3	164 PCB-205	54.89	54.88	1.012e2	1.580e2	0.890	0.54	YES	2.3187	0.00000



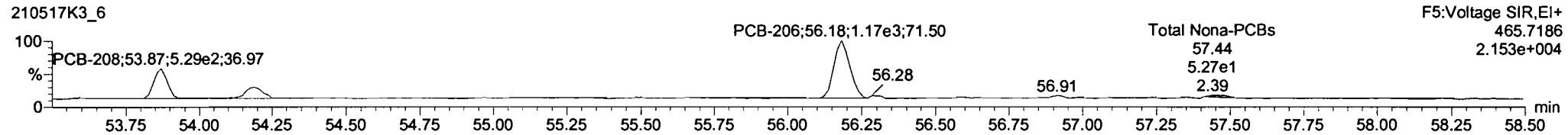
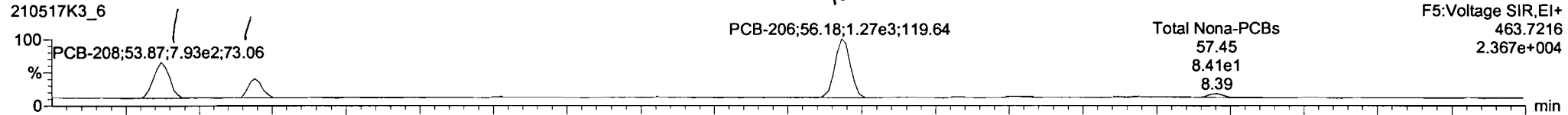
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Last Altered: Tuesday, May 18, 2021 09:40:48 Pacific Daylight Time

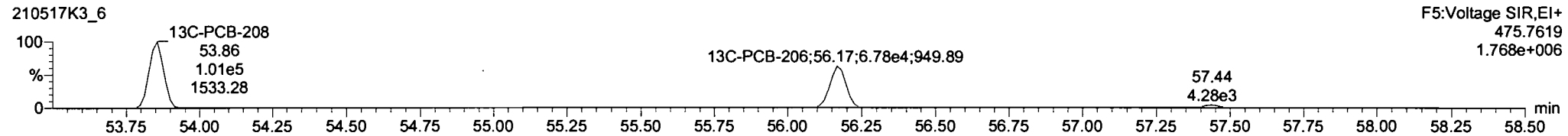
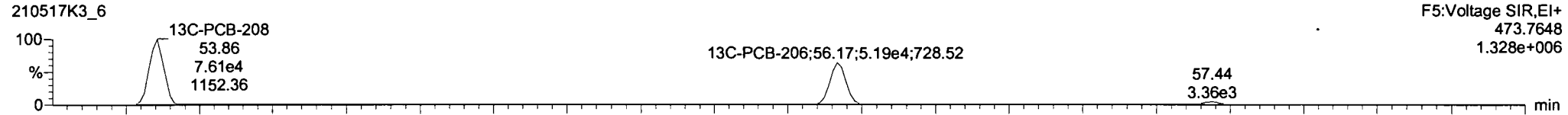
Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

Name: 210517K3\_6, Date: 18-May-2021, Time: 08:06:58, ID: 2105047-04 USMPDI-035SG-210504 10.3, Description: USMPDI-035SG-210504

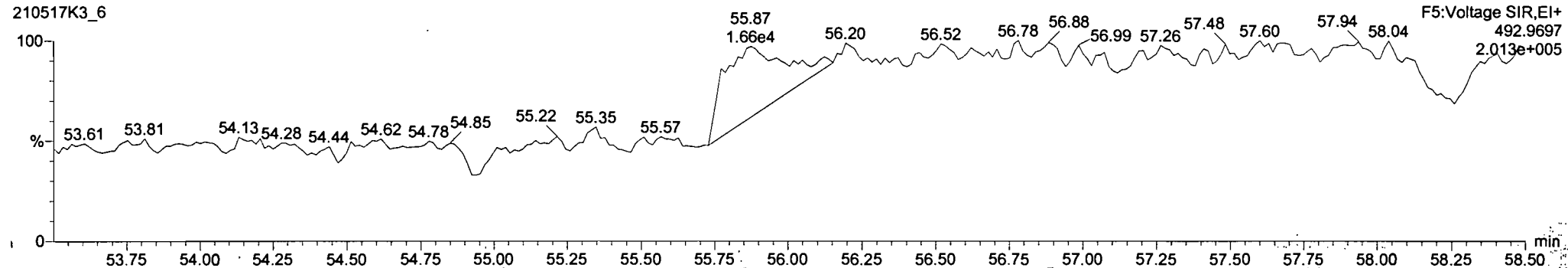
**PCB-208**

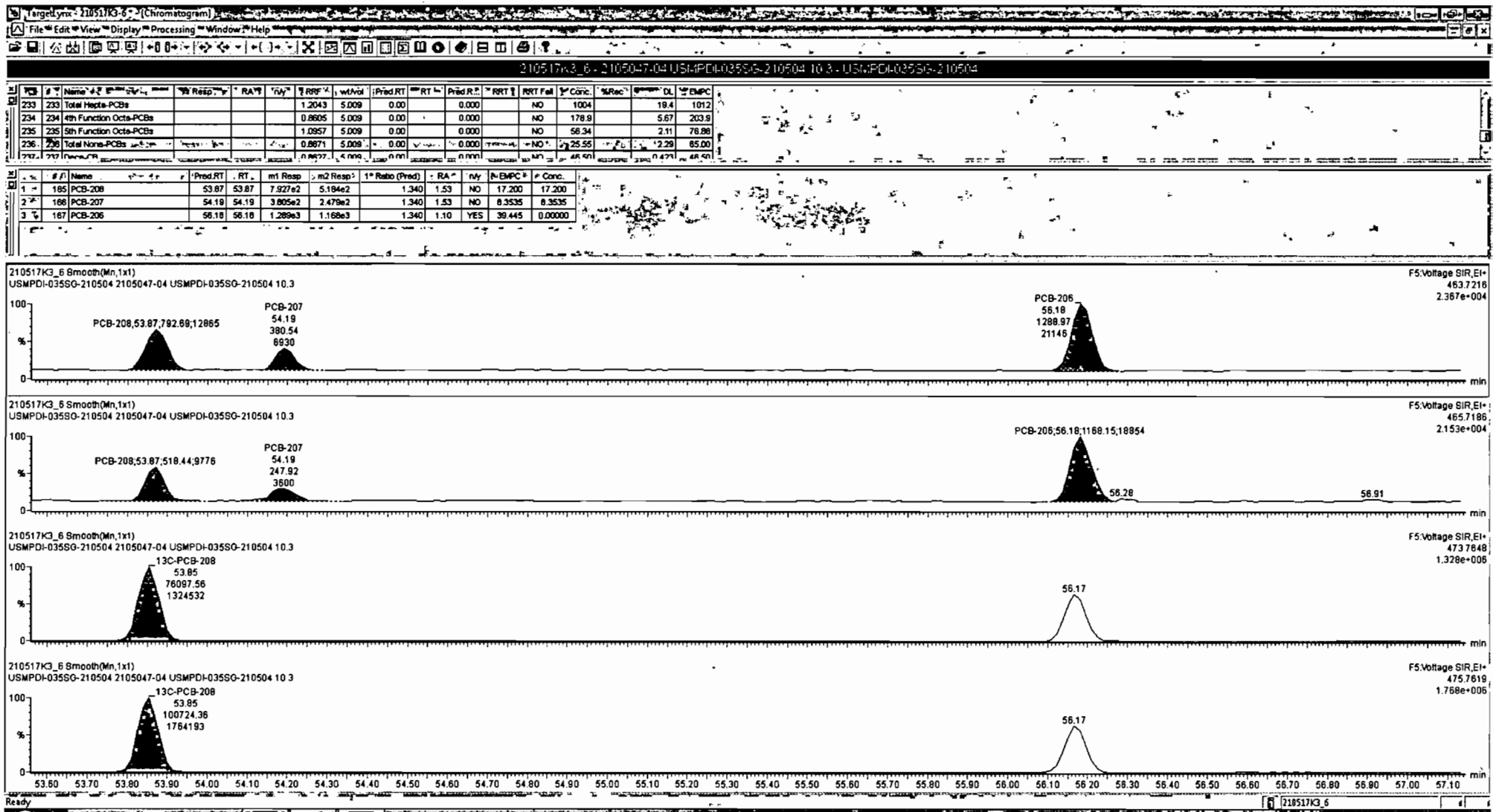


**13C-PCB-208**



**PFK5**





Dataset: Untitled

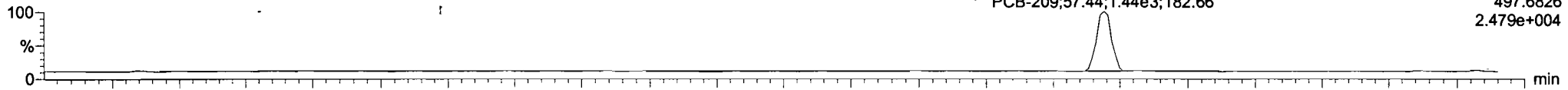
Last Altered: Tuesday, May 18, 2021 09:40:48 Pacific Daylight Time

Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

Name: 210517K3\_6, Date: 18-May-2021, Time: 08:06:58, ID: 2105047-04 USMPDI-035SG-210504 10.3, Description: USMPDI-035SG-210504

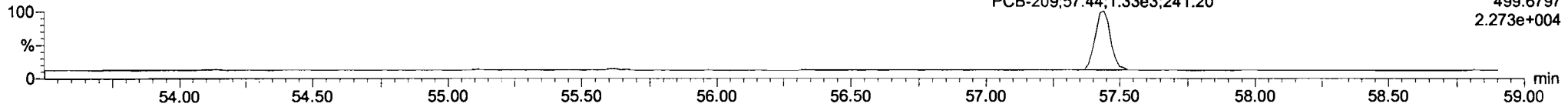
**PCB-209**

210517K3\_6



F5:Voltage SIR,EI+  
497.6826  
2.479e+004

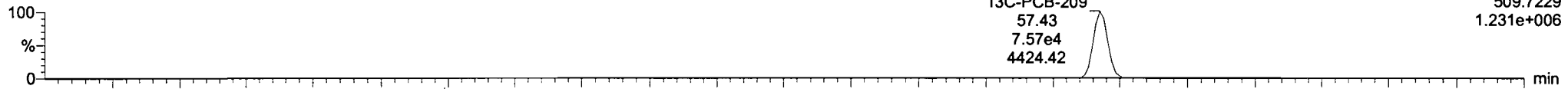
210517K3\_6



F5:Voltage SIR,EI+  
499.6797  
2.273e+004

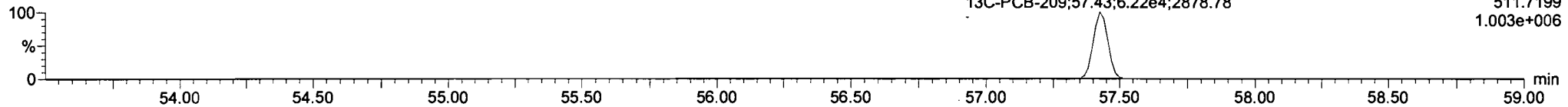
**13C-PCB-209**

210517K3\_6



F5:Voltage SIR,EI+  
509.7229  
1.231e+006

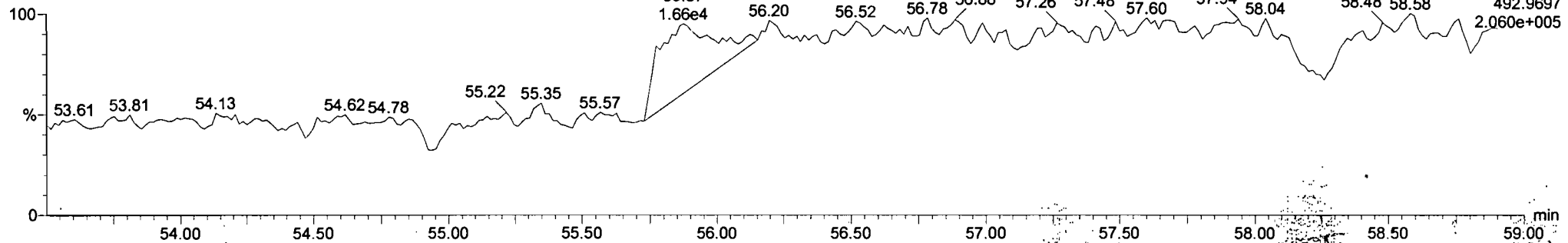
210517K3\_6



F5:Voltage SIR,EI+  
511.7199  
1.003e+006

**PFK5b**

210517K3\_6



F5:Voltage SIR,EI+  
492.9697  
2.060e+005

**CONTINUING CALIBRATION**



# HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST210527221

Reviewed By: HN 06/01/21

*Initials & Date*

End Calibration ID: NA

	<b>Beg.</b>	<b>End</b>
<b>Ion abundance within QC limits?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Concentrations within criteria?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>TCDD/TCDF Valleys &lt;25%</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>First and last eluters present?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Retention Times within criteria?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Verification Std. named correctly?</b> (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Forms signed and dated?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Correct ICAL referenced?</b>	<u>DF</u>	<hr/>
<b><u>Run Log:</u></b>		
<b>- Correct instrument listed?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>- Samples within 12 hour clock?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>- Bottle position verified?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Mass resolution  $\geq$**  DF 05/28/21  
 5k     6-8K     8K     10K  
 1614    1699    429    1613/1668/8280

**Intergrated peaks display correctly?**   NA

**GC Break <20%**  NA

**8280 CS1 End Standard:**

**- Ratios within limits, S/N <2.5:1, CS1 within 12 hours**  NA

**Comments:**

Dataset: U:\VG12.PRO\Results\210527R2\210527R2\_1.qld

Last Altered: Friday, May 28, 2021 10:24:52 Pacific Daylight Time  
Printed: Friday, May 28, 2021 10:28:22 Pacific Daylight Time

DFCS/28/21

HW 05  
HW 06/01/21

Method: U:\VG12.PRO\MethDB\1613rrt-04-27-21.mdb 27 Apr 2021 17:33:38

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210527R2\_1, Date: 27-May-2021, Time: 16:45:12, ID: ST210527R2\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

	# Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	1 2,3,7,8-TCDD	8.44e4	9.23e5	0.77	NO	0.929	26.71	26.70	NO	1.001	1.001	9.8420	98.4	NO
2	2 1,2,3,7,8-PeCDD	3.03e5	6.89e5	0.60	NO	0.826	31.12	31.10	NO	1.001	1.000	53.178	106	NO
3	3 1,2,3,4,7,8-HxCDD	2.59e5	4.98e5	1.27	NO	0.972	34.48	34.47	NO	1.001	1.000	53.460	107	NO
4	4 1,2,3,6,7,8-HxCDD	2.58e5	5.72e5	1.27	NO	0.877	34.60	34.59	NO	1.001	1.000	51.494	103	NO
5	5 1,2,3,7,8,9-HxCDD	2.71e5	5.76e5	1.26	NO	0.874	34.87	34.88	NO	1.000	1.000	53.901	108	NO
6	6 1,2,3,4,6,7,8-HpCDD	2.11e5	4.53e5	1.03	NO	0.899	38.25	38.25	NO	1.000	1.000	51.748	103	NO
7	7 OCDD	3.32e5	7.74e5	0.88	NO	0.852	41.33	41.32	NO	1.000	1.000	100.67	101	NO
8	8 2,3,7,8-TCDF	1.00e5	1.27e6	0.72	NO	0.747	26.06	26.08	NO	1.000	1.001	10.596	106	NO
9	9 1,2,3,7,8-PeCDF	4.45e5	9.70e5	1.59	NO	0.877	29.92	29.93	NO	1.000	1.001	52.265	105	NO
10	10 2,3,4,7,8-PeCDF	4.78e5	9.49e5	1.56	NO	0.962	30.95	30.92	NO	1.001	1.000	52.329	105	NO
11	11 1,2,3,4,7,8-HxCDF	3.36e5	7.00e5	1.22	NO	0.920	33.51	33.52	NO	1.000	1.001	52.266	105	NO
12	12 1,2,3,6,7,8-HxCDF	3.61e5	7.44e5	1.24	NO	0.936	33.67	33.66	NO	1.001	1.000	51.819	104	NO
13	13 2,3,4,6,7,8-HxCDF	3.23e5	6.36e5	1.23	NO	0.973	34.36	34.36	NO	1.001	1.001	52.286	105	NO
14	14 1,2,3,7,8,9-HxCDF	2.81e5	5.82e5	1.26	NO	0.940	35.43	35.43	NO	1.000	1.000	51.469	103	NO
15	15 1,2,3,4,6,7,8-HpCDF	2.65e5	4.87e5	1.00	NO	1.05	37.07	37.06	NO	1.000	1.000	51.920	104	NO
16	16 1,2,3,4,7,8,9-HpCDF	2.27e5	4.23e5	1.01	NO	1.05	38.91	38.90	NO	1.000	1.000	51.337	103	NO
17	17 OCDF	3.95e5	1.00e6	0.88	NO	0.771	41.64	41.64	NO	1.000	1.000	101.96	102	NO
18	18 13C-2,3,7,8-TCDD	9.23e5	8.08e5	0.79	NO	1.10	26.67	26.68	NO	1.027	1.027	103.42	103	NO
19	19 13C-1,2,3,7,8-PeCDD	6.89e5	8.08e5	0.61	NO	0.864	31.05	31.09	NO	1.196	1.197	98.756	98.8	NO
20	20 13C-1,2,3,4,7,8-HxCDD	4.98e5	7.07e5	1.30	NO	0.746	34.44	34.46	NO	1.014	1.014	94.412	94.4	NO
21	21 13C-1,2,3,6,7,8-HxCDD	5.72e5	7.07e5	1.31	NO	0.847	34.56	34.58	NO	1.017	1.018	95.584	95.6	NO
22	22 13C-1,2,3,7,8,9-HxCDD	5.76e5	7.07e5	1.24	NO	0.868	34.86	34.86	NO	1.026	1.026	93.832	93.8	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.53e5	7.07e5	1.05	NO	0.664	38.21	38.24	NO	1.125	1.125	96.482	96.5	NO
24	24 13C-OCDD	7.74e5	7.07e5	0.89	NO	0.561	41.15	41.32	NO	1.211	1.216	195.34	97.7	NO
25	25 13C-2,3,7,8-TCDF	1.27e6	1.18e6	0.78	NO	1.09	26.06	26.06	NO	1.003	1.003	98.528	98.5	NO
26	26 13C-1,2,3,7,8-PeCDF	9.70e5	1.18e6	1.60	NO	0.809	29.78	29.91	NO	1.147	1.152	101.90	102	NO
27	27 13C-2,3,4,7,8-PeCDF	9.49e5	1.18e6	1.61	NO	0.803	30.74	30.92	NO	1.184	1.191	100.48	100	NO
28	28 13C-1,2,3,4,7,8-HxCDF	7.00e5	7.07e5	0.51	NO	1.01	33.52	33.50	NO	0.987	0.986	97.881	97.9	NO
29	29 13C-1,2,3,6,7,8-HxCDF	7.44e5	7.07e5	0.52	NO	1.07	33.64	33.65	NO	0.990	0.990	98.114	98.1	NO
30	30 13C-2,3,4,6,7,8-HxCDF	6.36e5	7.07e5	0.51	NO	0.910	34.33	34.34	NO	1.011	1.011	98.888	98.9	NO

Dataset: U:\VG12.PRO\Results\210527R2\210527R2\_1.qld

Last Altered: Friday, May 28, 2021 10:24:52 Pacific Daylight Time  
Printed: Friday, May 28, 2021 10:28:22 Pacific Daylight Time

Name: 210527R2\_1, Date: 27-May-2021, Time: 16:45:12, ID: ST210527R2\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
31	31 13C-1,2,3,7,8,9-HxCDF	5.82e5	7.07e5	0.51	NO	0.828	35.41	35.42	NO	1.042	1.043	99.355	99.4	NO
32	32 13C-1,2,3,4,6,7,8-HpCDF	4.87e5	7.07e5	0.42	NO	0.661	37.02	37.05	NO	1.090	1.090	104.21	104	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.23e5	7.07e5	0.41	NO	0.566	38.78	38.90	NO	1.141	1.145	105.70	106	NO
34	34 13C-OCDF	1.00e6	7.07e5	0.88	NO	0.663	41.54	41.63	NO	1.223	1.225	214.30	107	NO
35	35 37Cl-2,3,7,8-TCDD	1.69e5	8.08e5			2.07	26.87	26.70	NO	1.035	1.028	10.108	101	NO
36	36 13C-1,2,3,4-TCDD	8.08e5	8.08e5	0.78	NO	1.00	26.07	25.97	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	1.18e6	1.18e6	0.79	NO	1.00	24.76	24.64	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	7.07e5	7.07e5	0.51	NO	1.00	34.04	33.97	NO	1.000	1.000	100.00	100	YES OK

Dataset: Untitled

Last Altered: Friday, May 28, 2021 10:37:26 Pacific Daylight Time  
Printed: Friday, May 28, 2021 10:40:29 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-27-21.mdb 27 Apr 2021 17:33:38  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	210527R2_1	ST210527R2_1 1613 CS3 21C0105	27-May-21	16:45:12
2	210527R2_2	B1E0199-BS1 OPR 10	27-May-21	17:32:06
3	210527R2_3	B1E0205-BS1 OPR 1	27-May-21	18:16:19
4	210527R2_4	SOLVENT BLANK	27-May-21	19:00:34
5	210527R2_5	B1E0199-BLK1 Method Blank 10	27-May-21	19:44:49
6	210527R2_6	B1E0205-BLK1 Method Blank 1	27-May-21	20:29:03

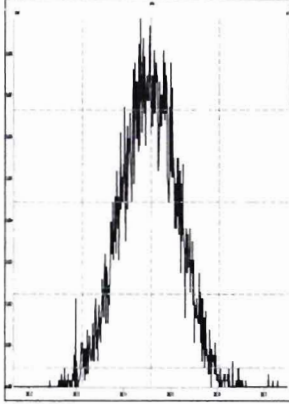
Ⓐ Instrument paused, resolution check printed the following day. JF05/28/21



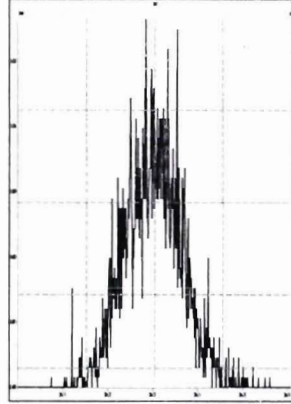
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, May 27, 2021 16:34:24 Pacific Daylight Time

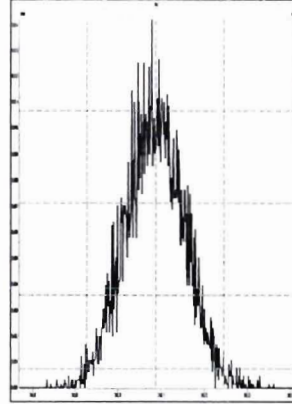
M 292.9824 R 11418



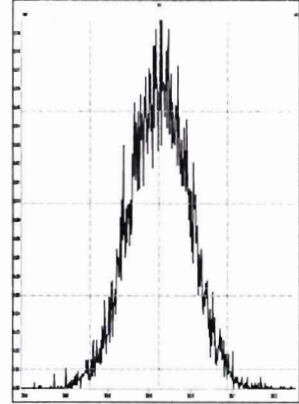
M 304.9824 R 12136



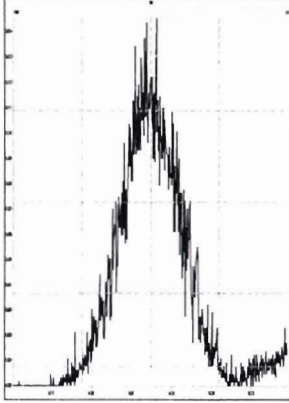
M 318.9792 R 10774



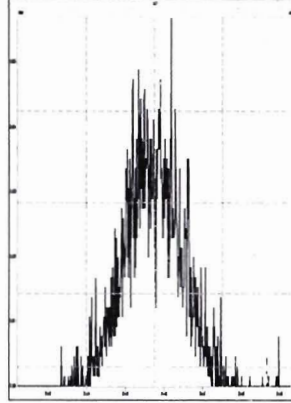
M 330.9792 R 10684



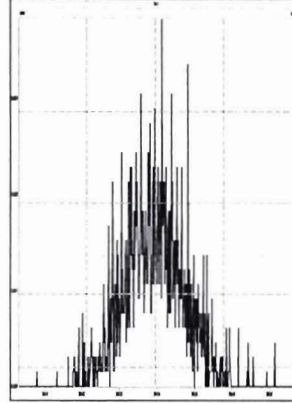
M 342.9792 R 10503



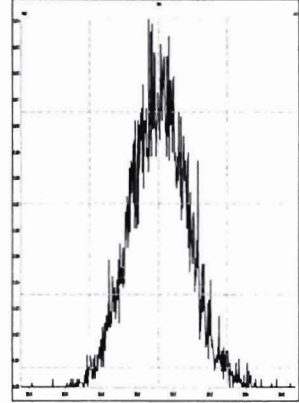
M 354.9792 R 12377



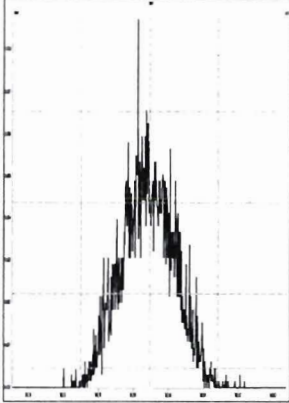
M 366.9792 R 12375



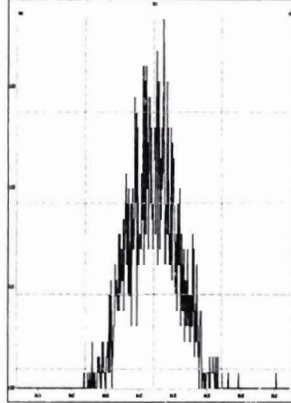
M 380.9760 R 10777



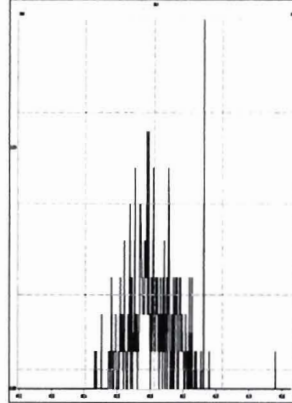
M 392.9760 R 12314



M 404.9760 R 13809



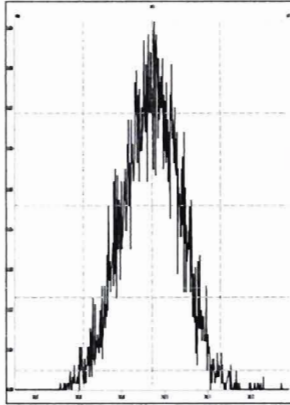
M 416.9760 R 43102



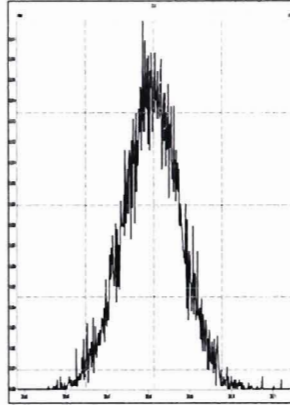
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, May 27, 2021 16:35:14 Pacific Daylight Time

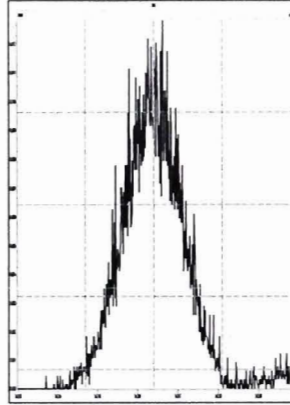
M 318.9792 R 11059



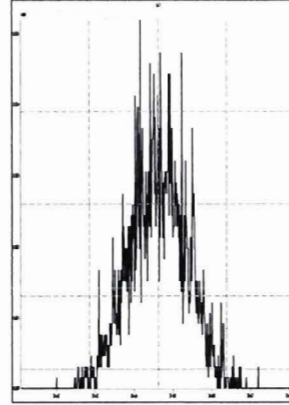
M 330.9792 R 10776



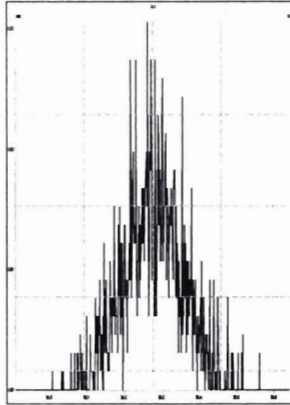
M 342.9792 R 10502



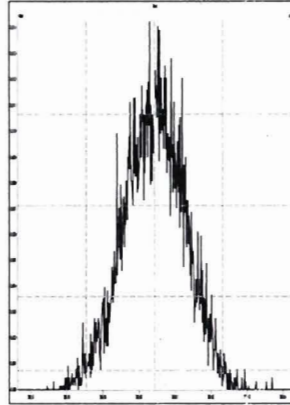
M 354.9792 R 12377



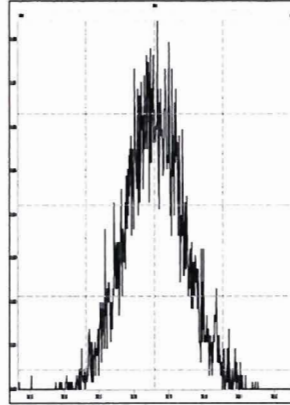
M 366.9792 R 14539



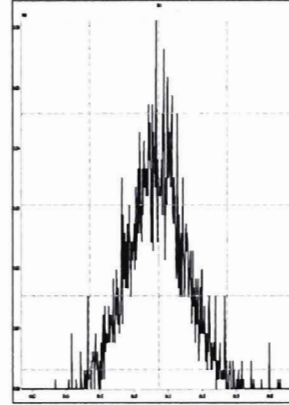
M 380.9760 R 10639



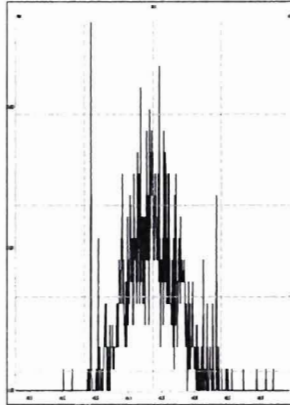
M 392.9760 R 10683



M 404.9760 R 12377



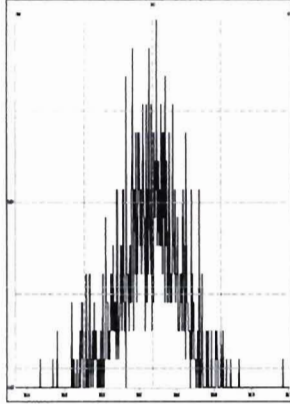
M 416.9760 R 14792



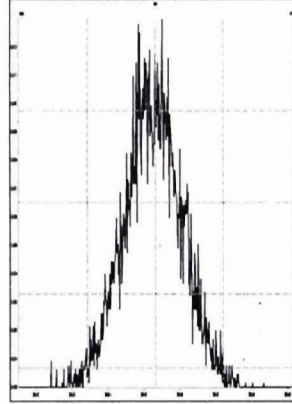
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Thursday, May 27, 2021 16:35:44 Pacific Daylight Time

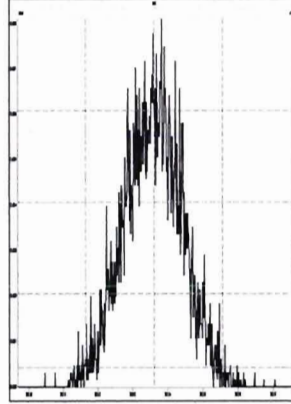
M 366.9792 R 14451



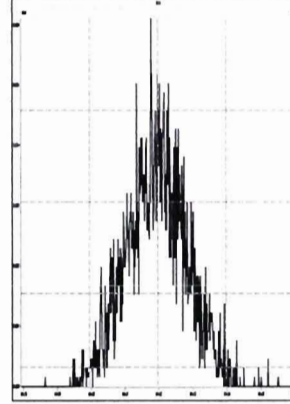
M 380.9760 R 10290



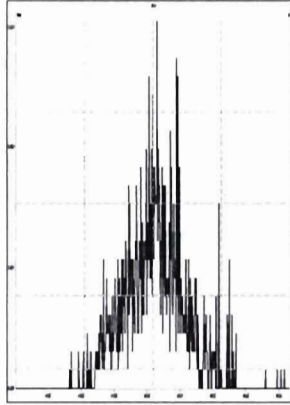
M 392.9760 R 11849



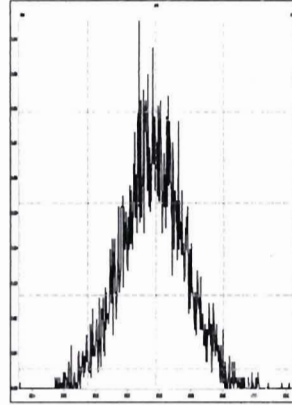
M 404.9760 R 11114



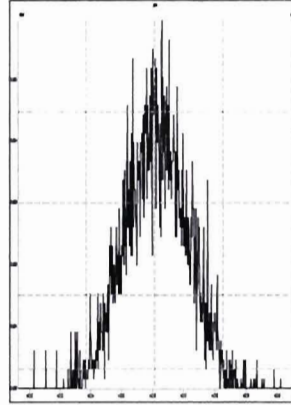
M 416.9760 R 13021



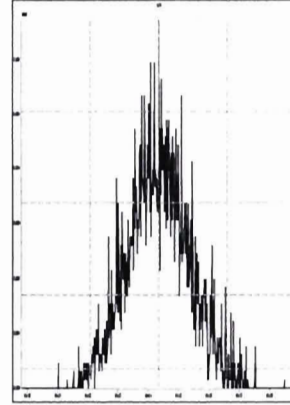
M 430.9728 R 11260



M 442.9728 R 10289



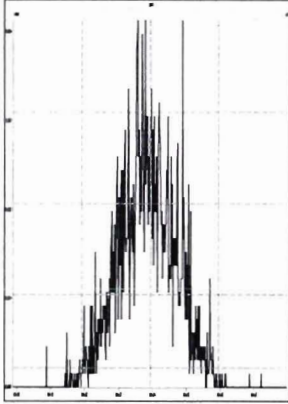
M 454.9728 R 11311



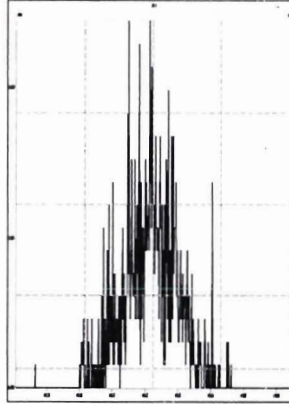
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Thursday, May 27, 2021 16:36:19 Pacific Daylight Time

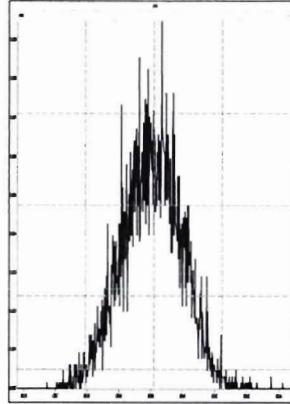
M 404.9760 R 11736



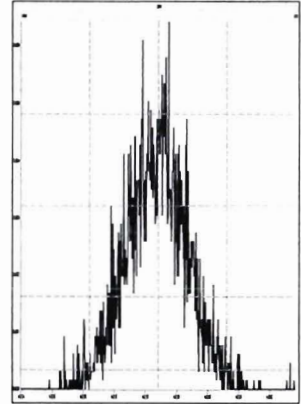
M 416.9760 R 13365



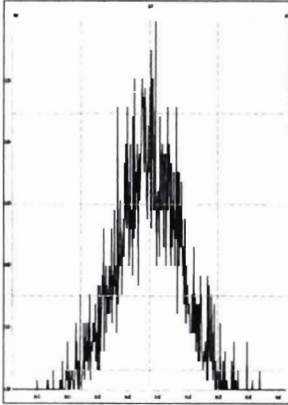
M 430.9728 R 11467



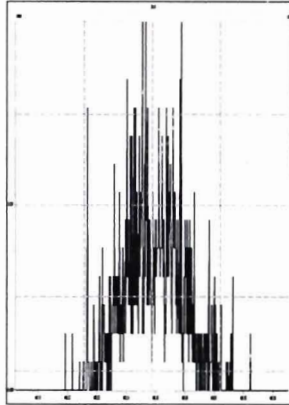
M 442.9728 R 10375



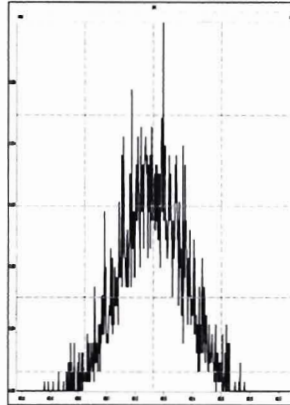
M 454.9728 R 10965



M 466.9728 R 16444



M 480.9696 R 10288

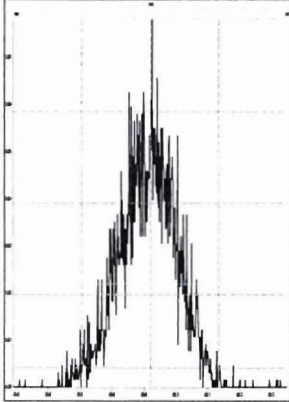




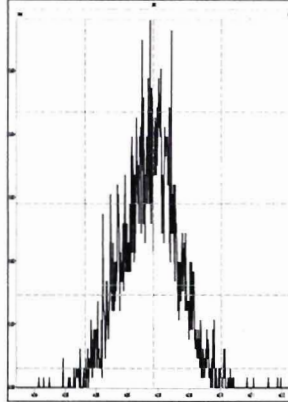
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Printed: Thursday, May 27, 2021 16:36:43 Pacific Daylight Time

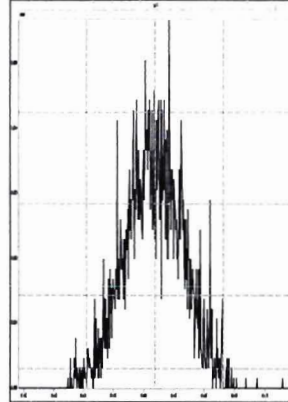
M 430.9728 R 12138



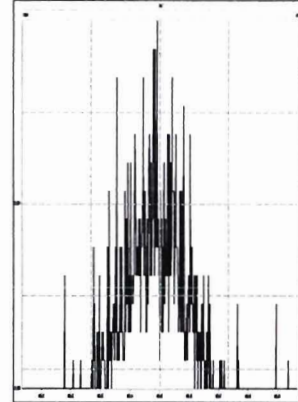
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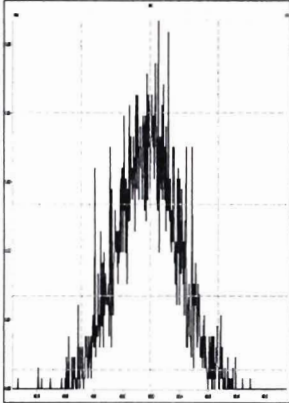
M 454.9728 R 12134



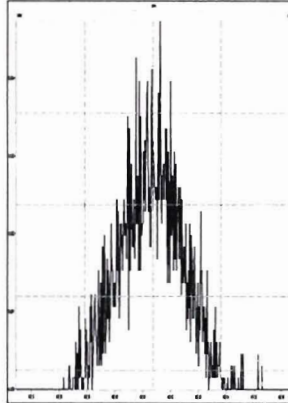
M 466.9728 R 15724



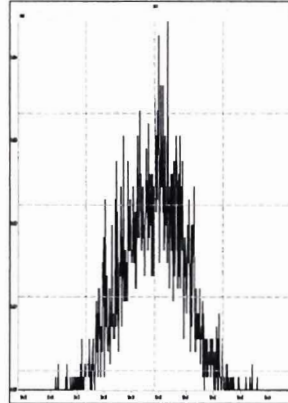
M 480.9696 R 11061



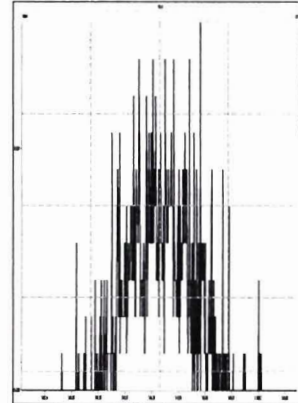
M 492.9696 R 12078



M 504.9696 R 12562



M 516.9697 R 16032



Dataset: Untitled

Last Altered: Friday, May 28, 2021 10:29:01 Pacific Daylight Time

Printed: Friday, May 28, 2021 10:29:45 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 18 May 2021 09:49:43

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210527R2\_1, Date: 27-May-2021, Time: 16:45:12, ID: ST210527R2\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

#	Name	RT
1	1 1,3,6,8-TCDD (First)	23.27
2	2 1,2,8,9-TCDD (Last)	27.52
3	3 1,2,4,7,9-PeCDD (First)	28.95
4	4 1,2,3,8,9-PeCDD (Last)	31.45
5	5 1,2,4,6,7,9-HxCDD (First)	32.74
6	6 1,2,3,7,8,9-HxCDD (Last)	34.87
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.38
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.25
9	9 1,3,6,8-TCDF (First)	21.15
10	10 1,2,8,9-TCDF (Last)	27.85
11	11 1,3,4,6,8-PeCDF (First)	27.39
12	12 1,2,3,8,9-PeCDF (Last)	31.83
13	13 1,2,3,4,6,8-HxCDF (First)	32.19
14	14 1,2,3,7,8,9-HxCDF (Last)	35.43
15	15 1,2,3,4,6,7,8-HpCDF (First)	37.06
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.91

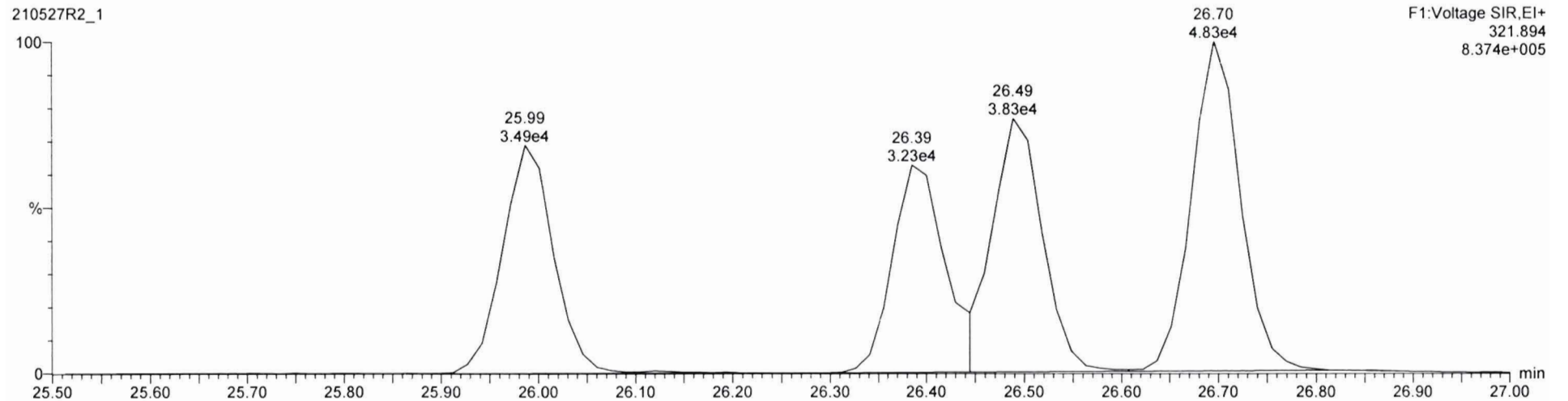
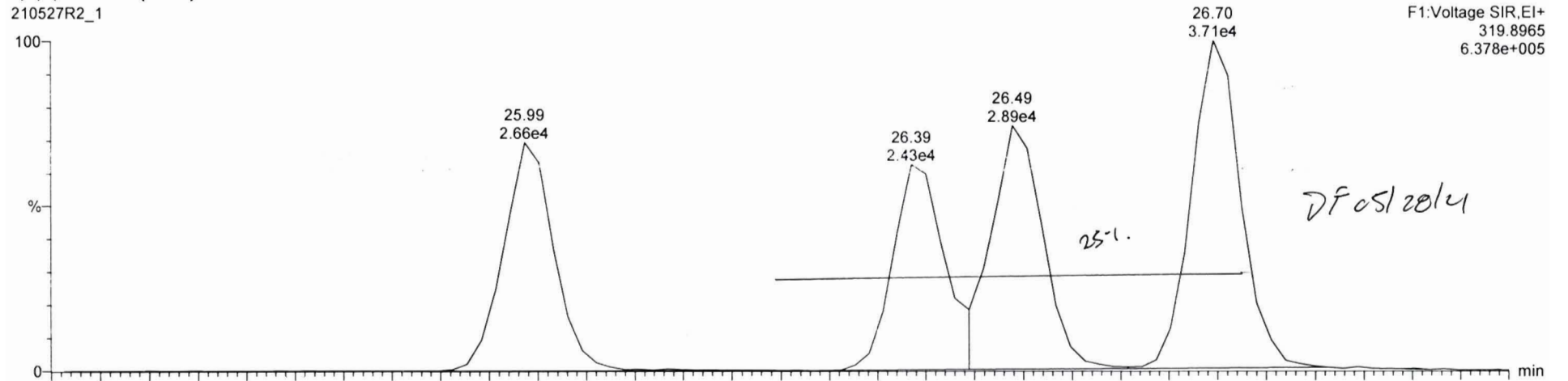
Dataset: Untitled

Last Altered: Friday, May 28, 2021 10:29:01 Pacific Daylight Time  
Printed: Friday, May 28, 2021 10:29:45 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 18 May 2021 09:49:43  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210527R2\_1, Date: 27-May-2021, Time: 16:45:12, ID: ST210527R2\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1,3,6,8-TCDD (First)



Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Friday, May 28, 2021 10:29:01 Pacific Daylight Time

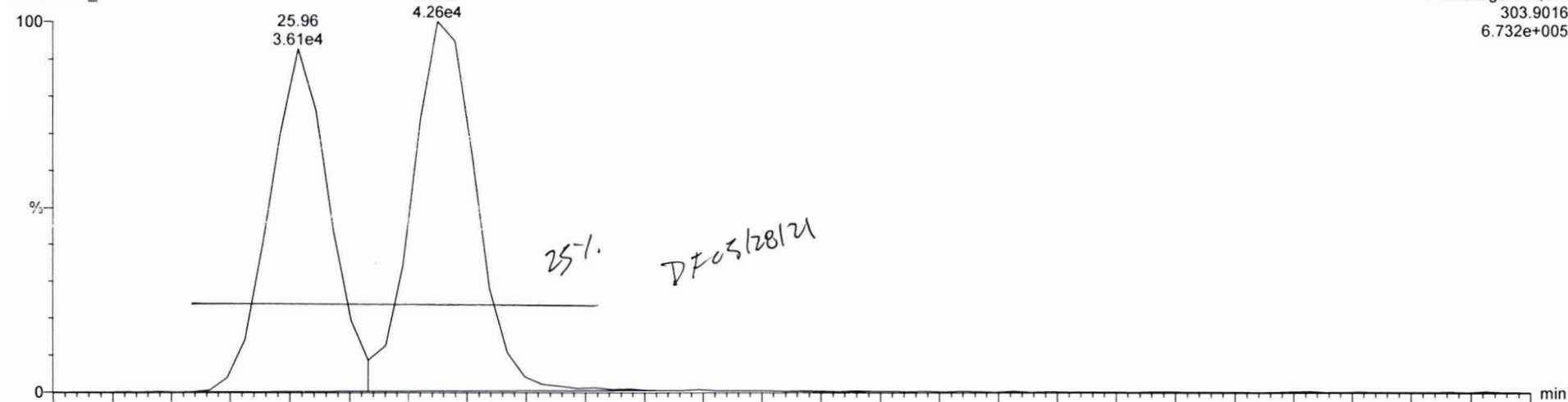
Printed: Friday, May 28, 2021 10:29:45 Pacific Daylight Time

Name: 210527R2\_1, Date: 27-May-2021, Time: 16:45:12, ID: ST210527R2\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1,3,6,8-TCDF (First)

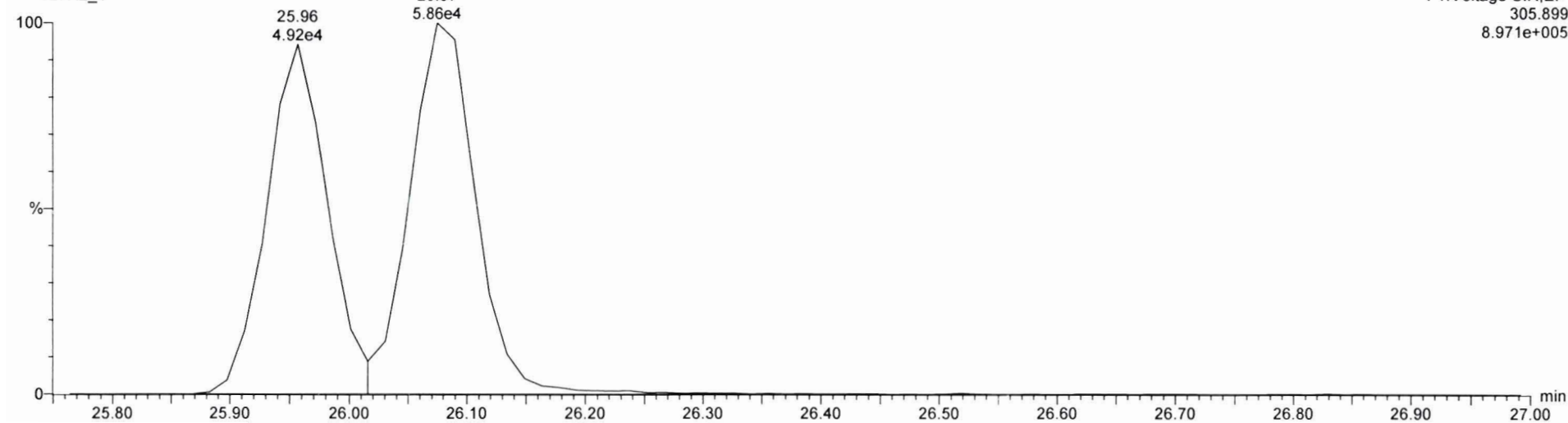
210527R2\_1

F1:Voltage SIR,EI+  
303.9016  
6.732e+005



210527R2\_1

F1:Voltage SIR,EI+  
305.899  
8.971e+005



Dataset: Untitled

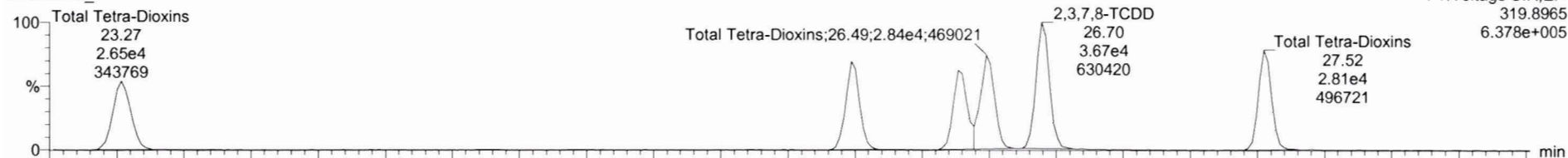
Last Altered: Friday, May 28, 2021 10:05:46 Pacific Daylight Time  
Printed: Friday, May 28, 2021 10:07:48 Pacific Daylight Time

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Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

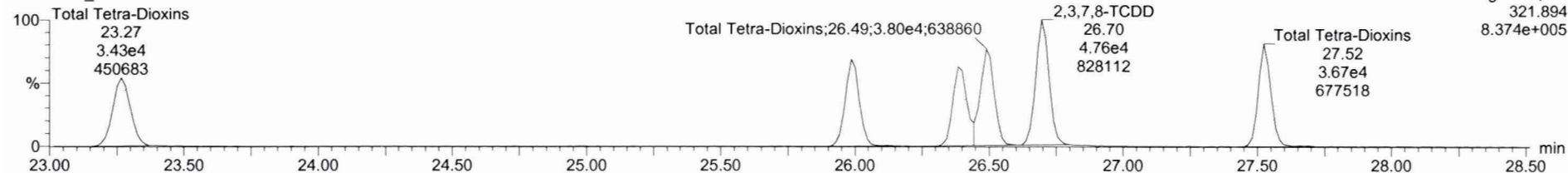
Name: 210527R2\_1, Date: 27-May-2021, Time: 16:45:12, ID: ST210527R2\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

**2,3,7,8-TCDD**

210527R2\_1

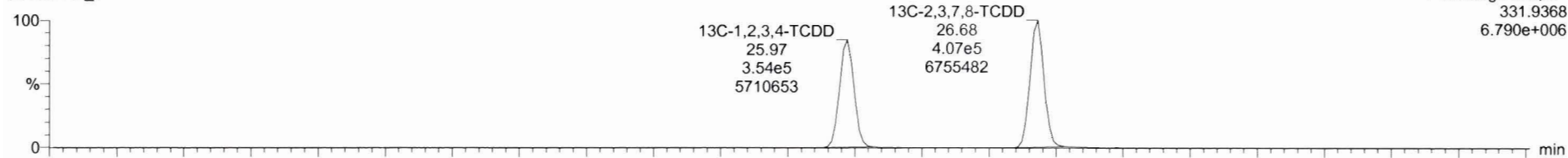


210527R2\_1

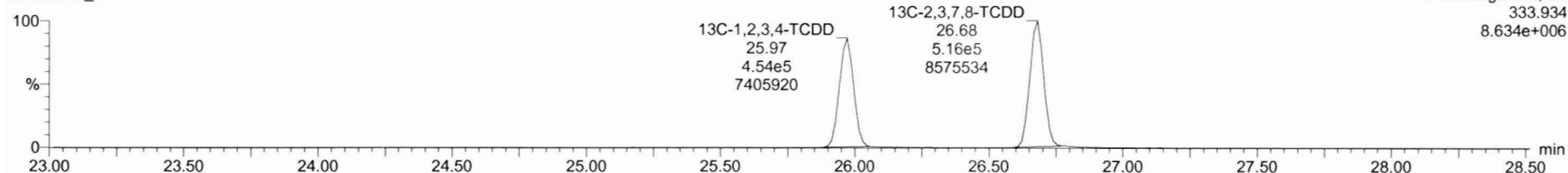


**13C-2,3,7,8-TCDD**

210527R2\_1



210527R2\_1



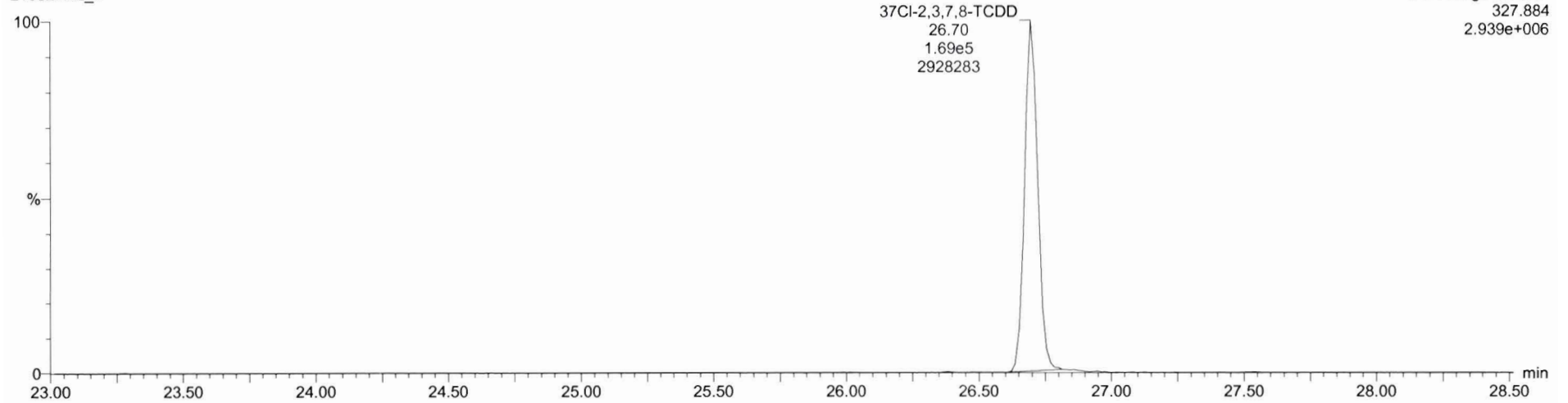
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Printed: Friday, May 28, 2021 10:07:48 Pacific Daylight Time

Name: 210527R2\_1, Date: 27-May-2021, Time: 16:45:12, ID: ST210527R2\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

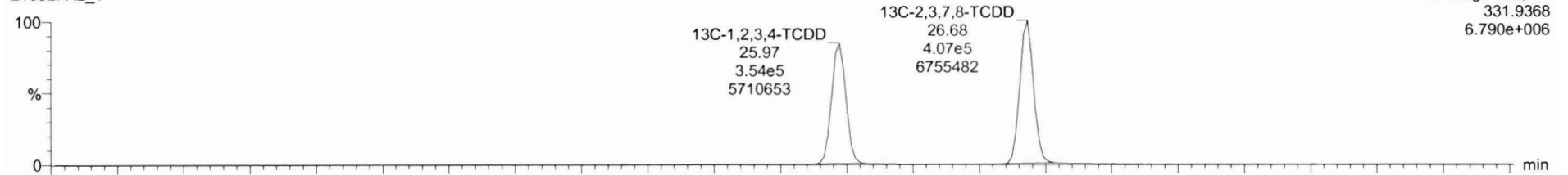
37Cl-2,3,7,8-TCDD

210527R2\_1

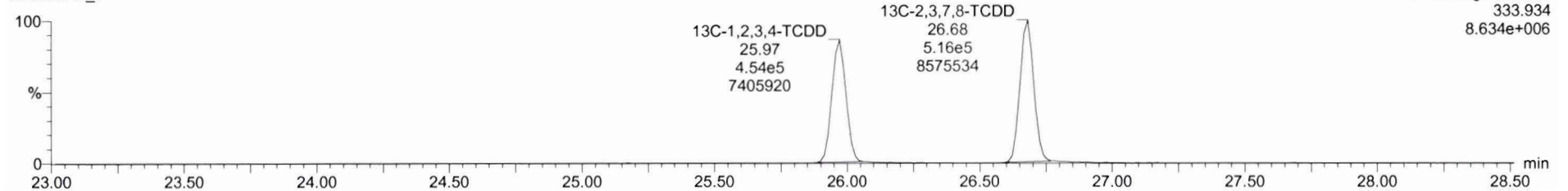


13C-1,2,3,4-TCDD

210527R2\_1



210527R2\_1





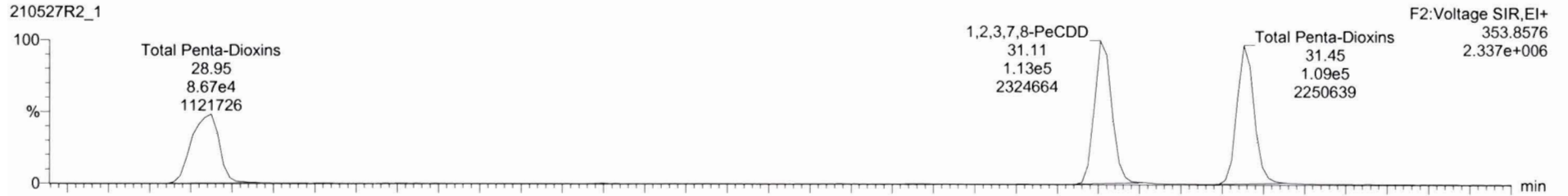
Dataset: Untitled

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Printed: Friday, May 28, 2021 10:07:48 Pacific Daylight Time

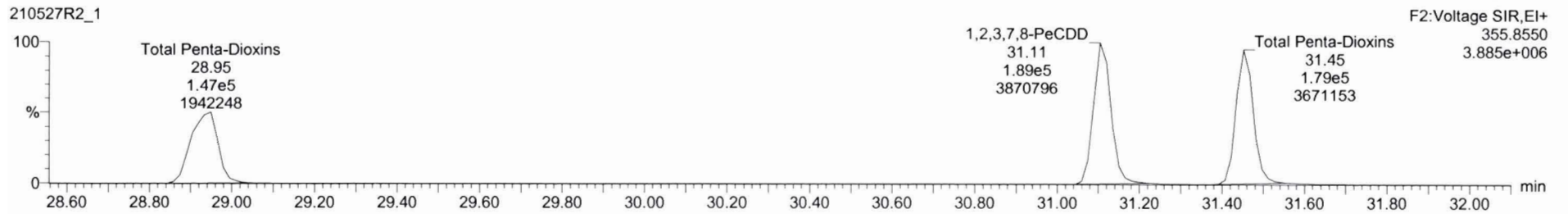
Name: 210527R2\_1, Date: 27-May-2021, Time: 16:45:12, ID: ST210527R2\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

**1,2,3,7,8-PeCDD**

210527R2\_1

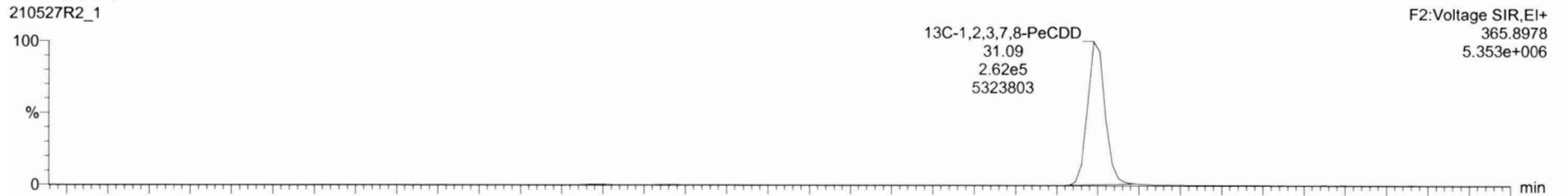


210527R2\_1

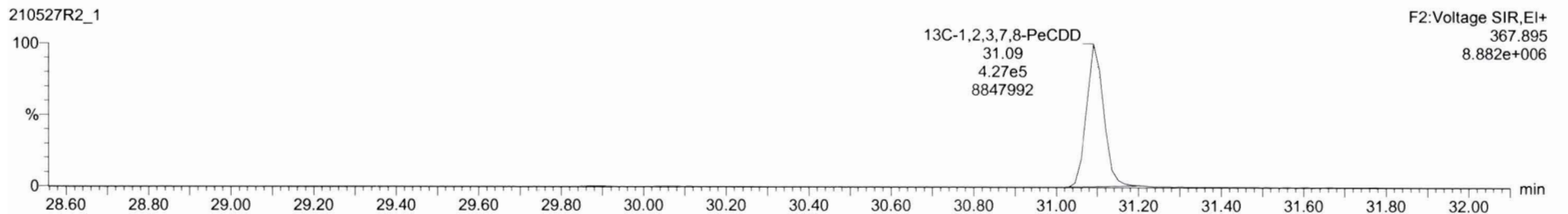


**13C-1,2,3,7,8-PeCDD**

210527R2\_1



210527R2\_1

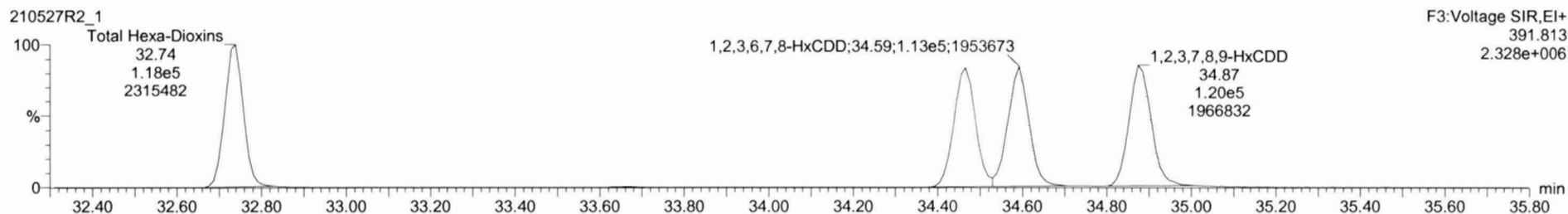
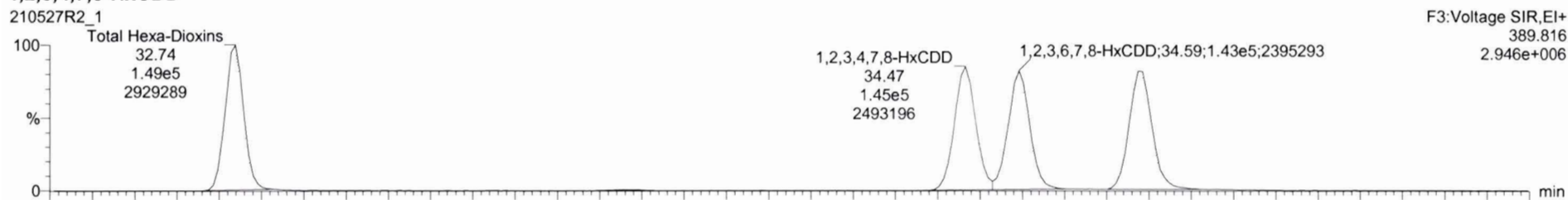


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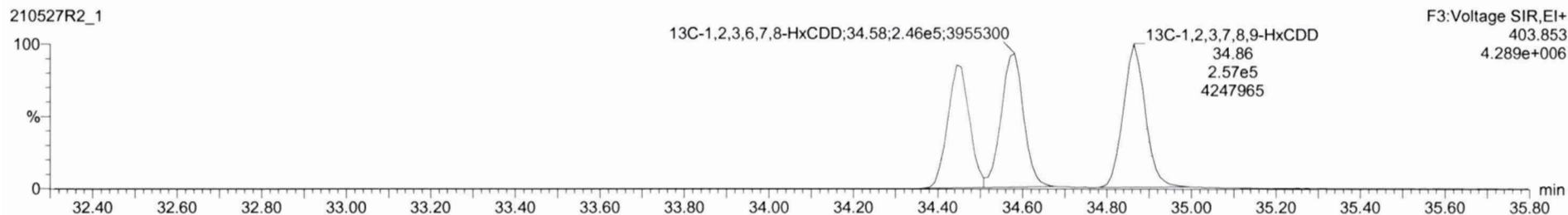
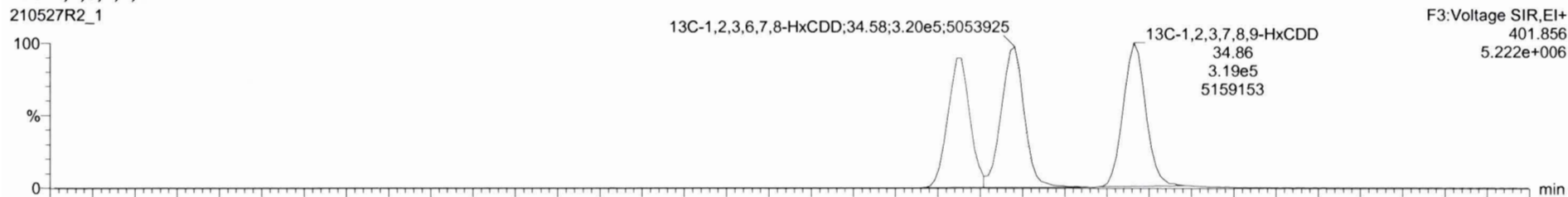
Last Altered: Friday, May 28, 2021 10:05:46 Pacific Daylight Time  
Printed: Friday, May 28, 2021 10:07:48 Pacific Daylight Time

Name: 210527R2\_1, Date: 27-May-2021, Time: 16:45:12, ID: ST210527R2\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1,2,3,4,7,8-HxCDD



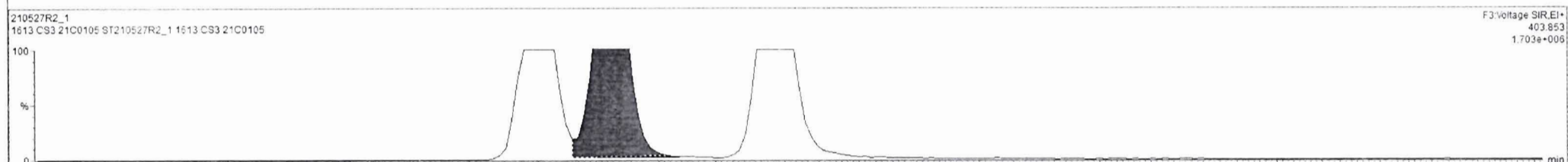
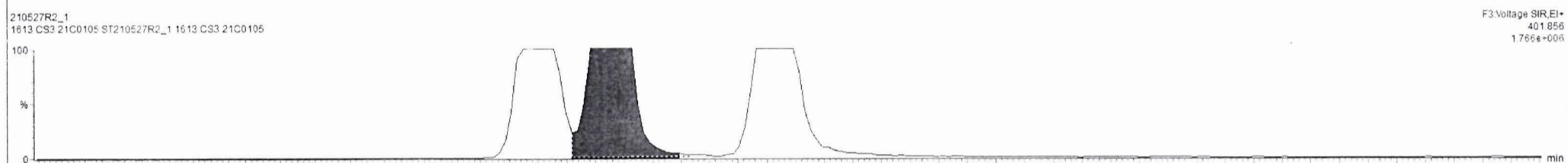
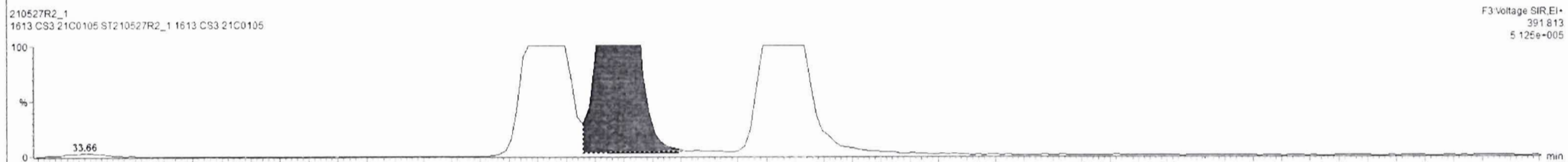
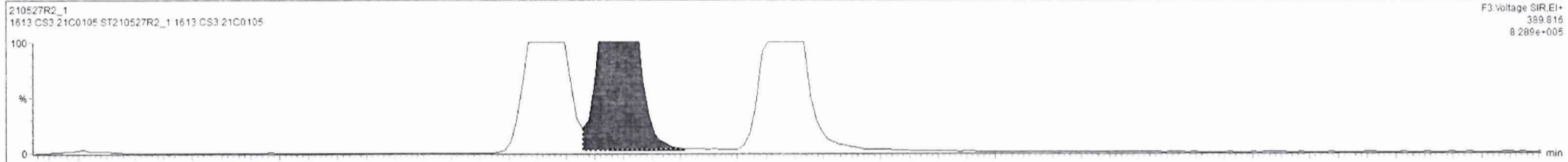
13C-1,2,3,4,7,8-HxCDD





210527R2\_1 - ST210527R2\_1 1613 CS3 21C0105 - 1613 CS3 21C0105

Name	Reso	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	8.44e4	0.77	NO	0.93	1.000	26.70	1.001	9.84	98.4	0.0296	9.84
2 1,2,3,7,8-PeCDD	7.03e5	0.60	NO	0.83	1.000	31.10	1.000	53.2	106	0.0929	53.2
3 1,2,3,4,7,8-HxCDD	2.59e5	1.27	NO	0.97	1.000	34.47	1.000	53.5	107	0.148	53.5



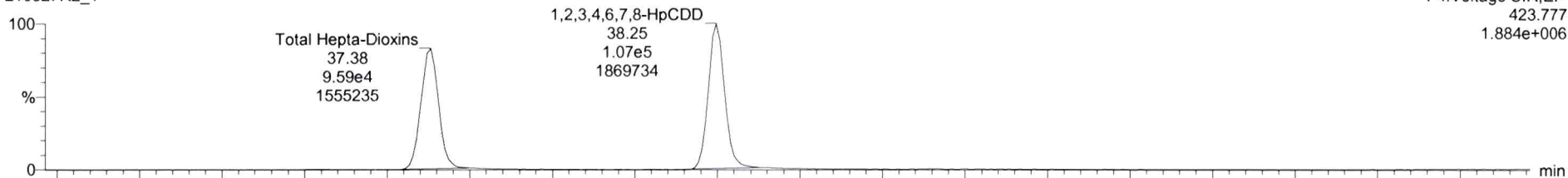
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Last Altered: Friday, May 28, 2021 10:05:46 Pacific Daylight Time  
Printed: Friday, May 28, 2021 10:07:48 Pacific Daylight Time

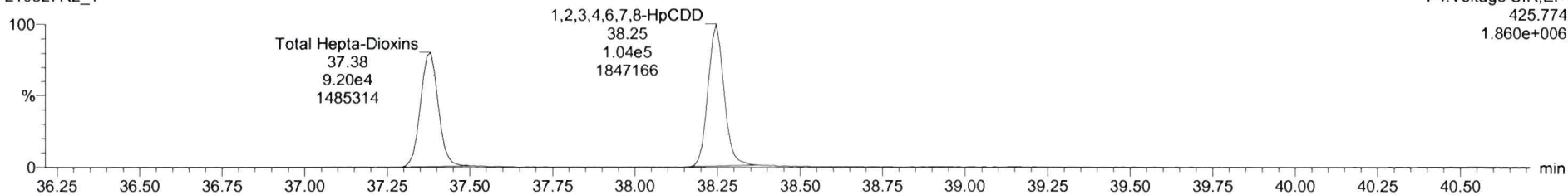
Name: 210527R2\_1, Date: 27-May-2021, Time: 16:45:12, ID: ST210527R2\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1,2,3,4,6,7,8-HpCDD

210527R2\_1

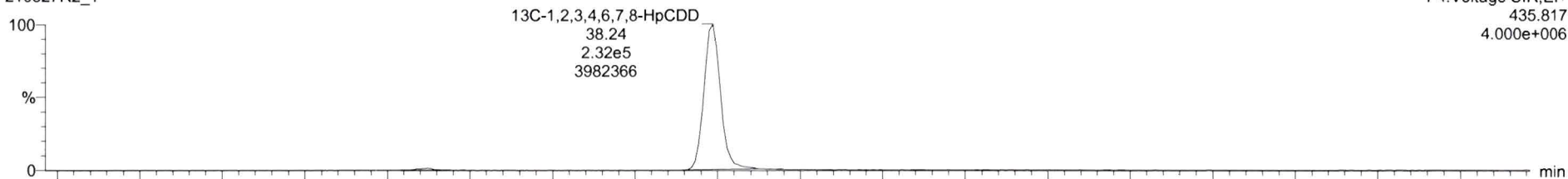


210527R2\_1

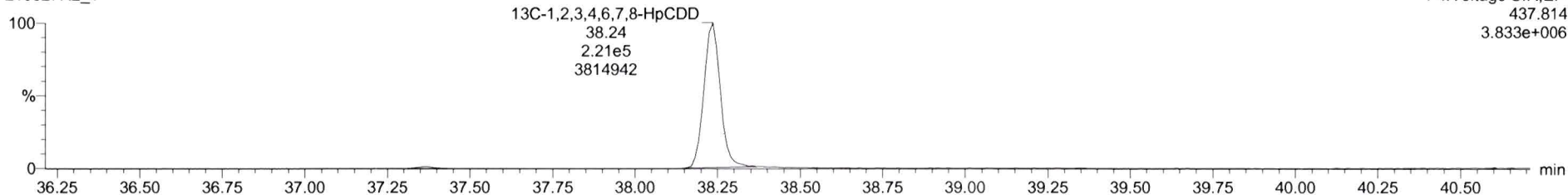


13C-1,2,3,4,6,7,8-HpCDD

210527R2\_1



210527R2\_1

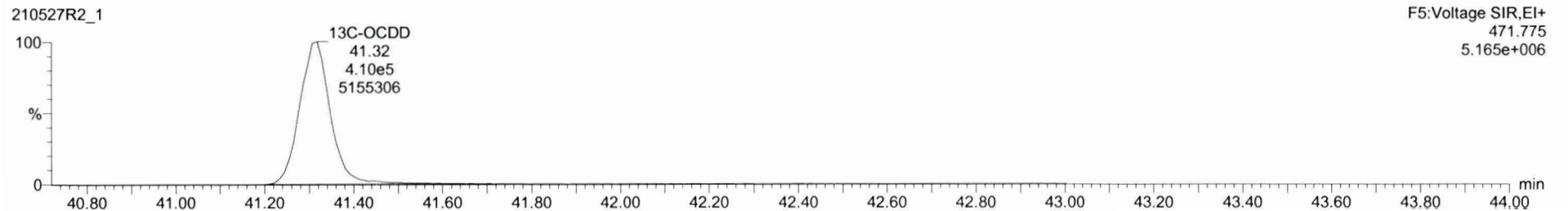
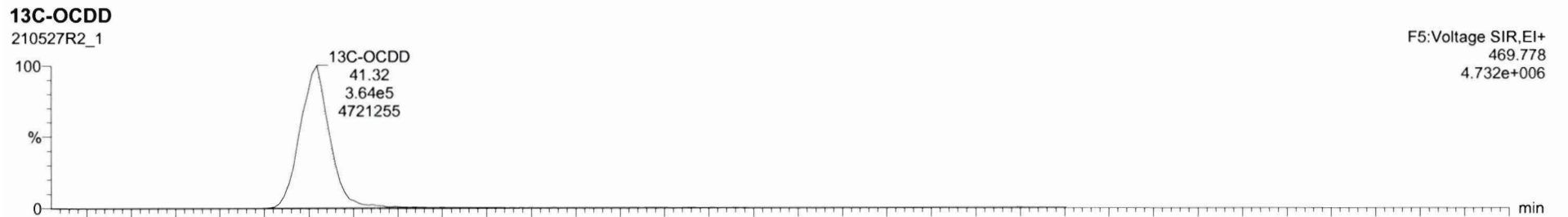
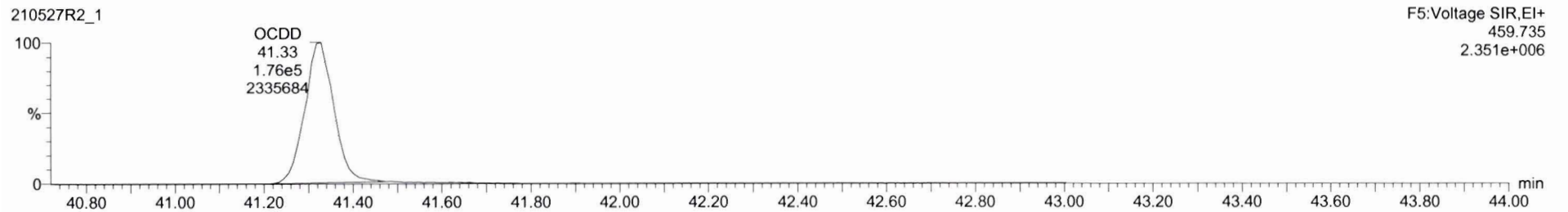
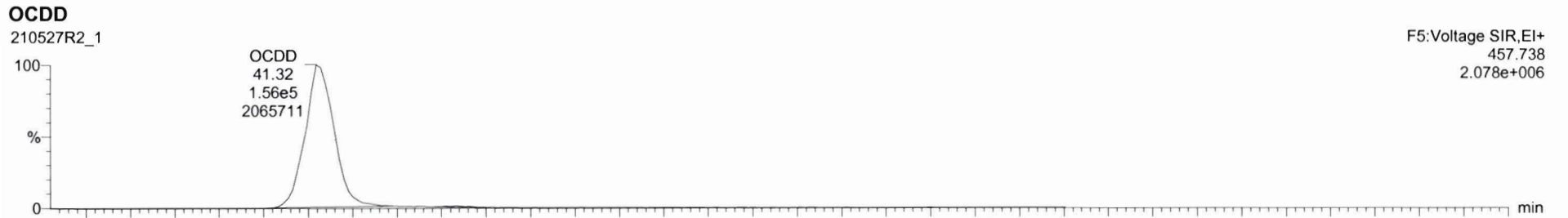


Dataset: Untitled

Last Altered: Friday, May 28, 2021 10:05:46 Pacific Daylight Time

Printed: Friday, May 28, 2021 10:07:48 Pacific Daylight Time

Name: 210527R2\_1, Date: 27-May-2021, Time: 16:45:12, ID: ST210527R2\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105



Dataset: Untitled

Last Altered: Friday, May 28, 2021 10:05:46 Pacific Daylight Time  
Printed: Friday, May 28, 2021 10:07:48 Pacific Daylight Time

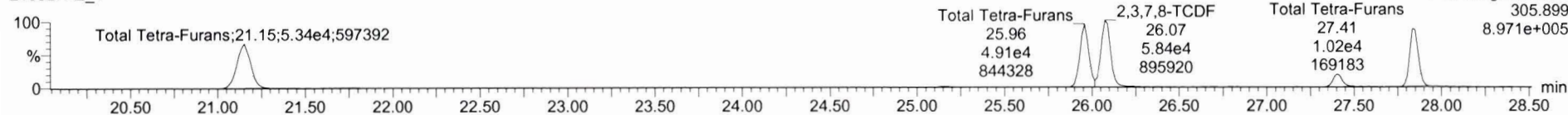
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**2,3,7,8-TCDF**

210527R2\_1

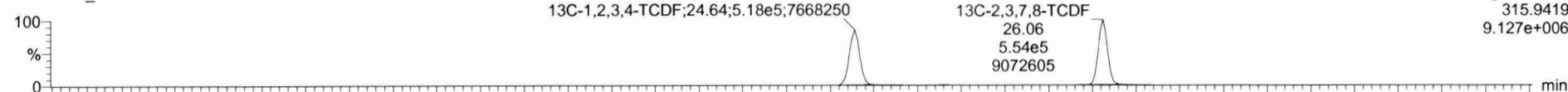


210527R2\_1

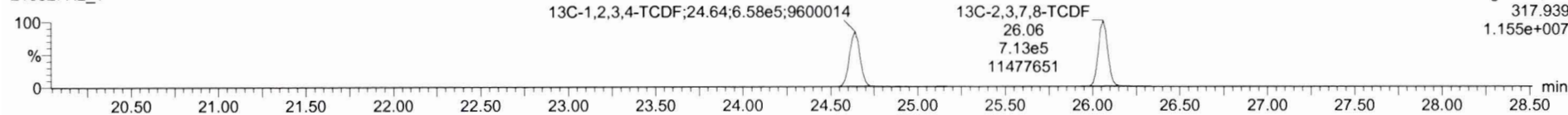


**13C-2,3,7,8-TCDF**

210527R2\_1

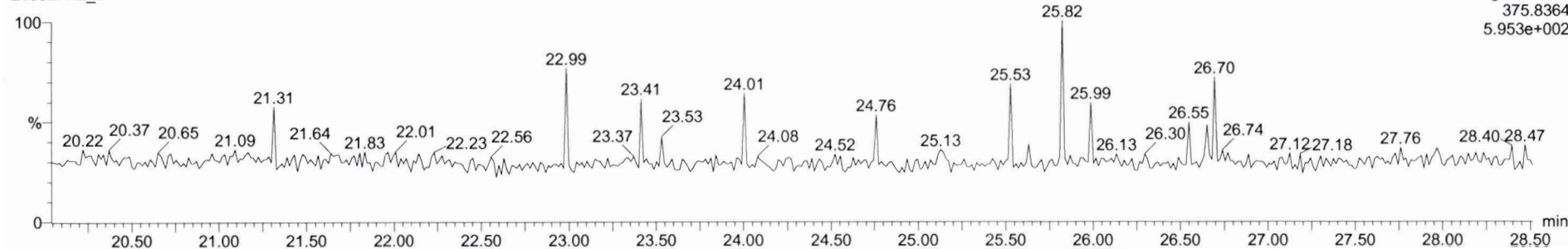


210527R2\_1



**DPE1**

210527R2\_1



Dataset: Untitled

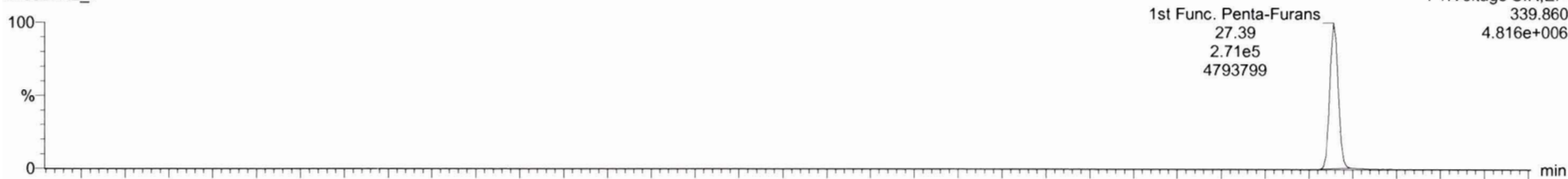
Last Altered: Friday, May 28, 2021 10:05:46 Pacific Daylight Time

Printed: Friday, May 28, 2021 10:07:48 Pacific Daylight Time

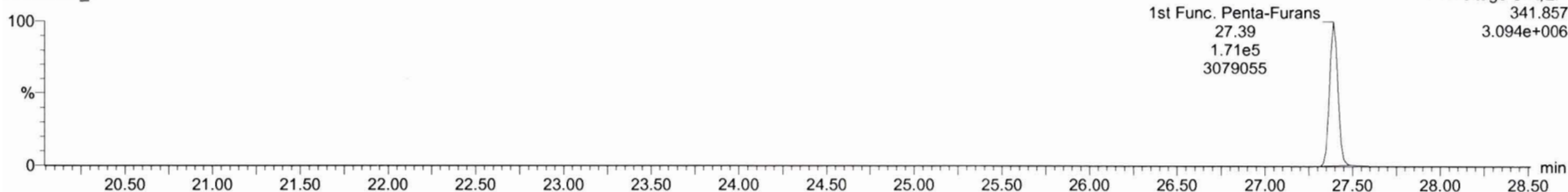
Name: 210527R2\_1, Date: 27-May-2021, Time: 16:45:12, ID: ST210527R2\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1st Func. Penta-Furans

210527R2\_1

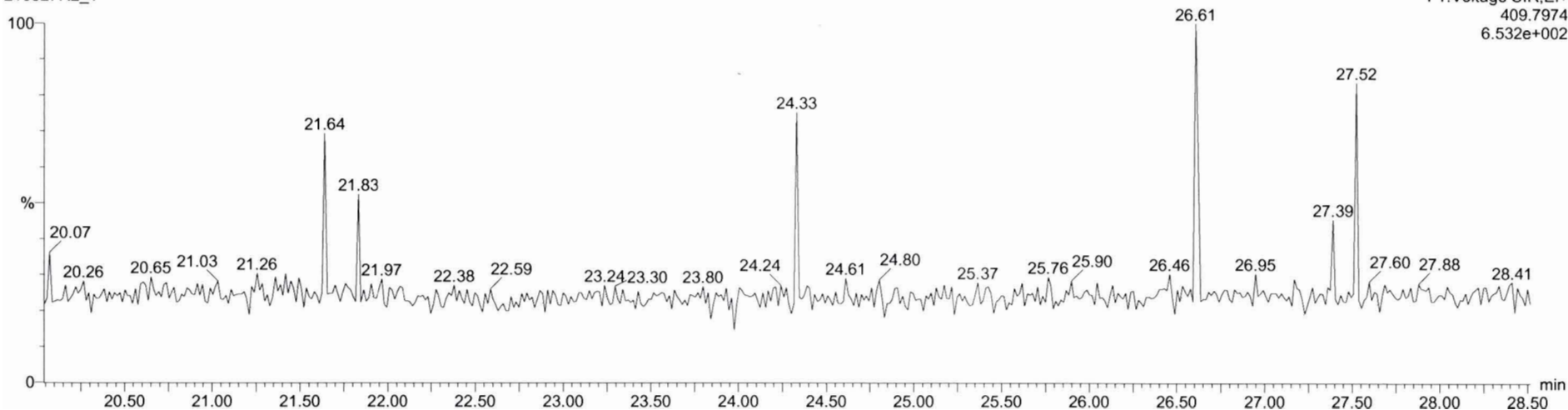


210527R2\_1



DPE6

210527R2\_1





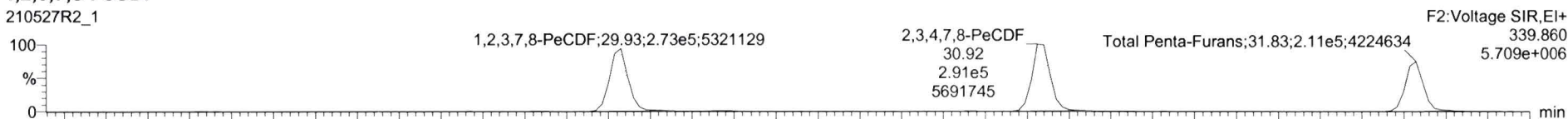
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Printed: Friday, May 28, 2021 10:07:48 Pacific Daylight Time

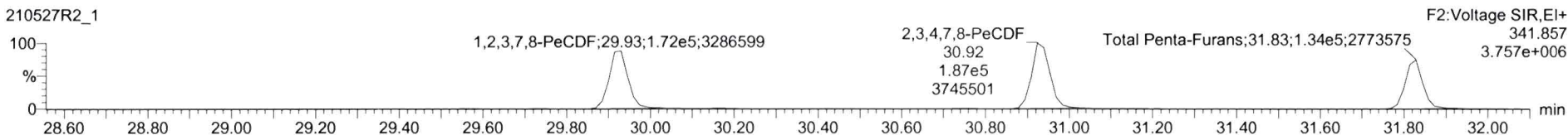
Name: 210527R2\_1, Date: 27-May-2021, Time: 16:45:12, ID: ST210527R2\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

**1,2,3,7,8-PeCDF**

210527R2\_1

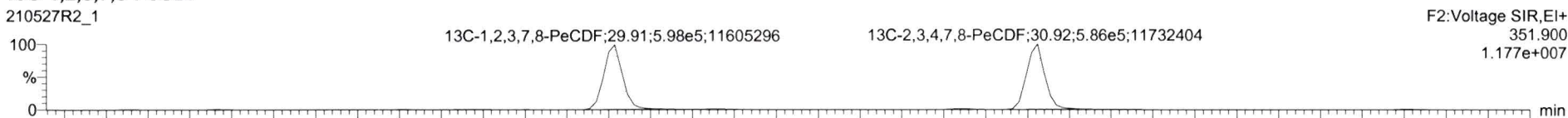


210527R2\_1

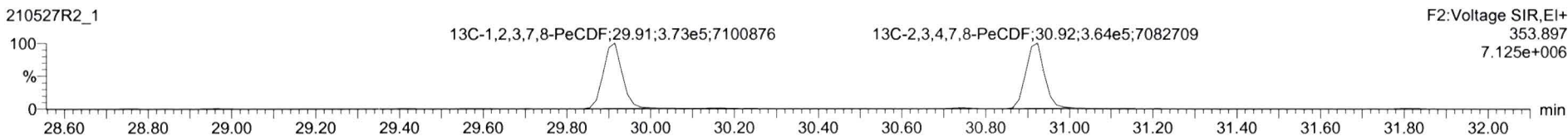


**13C-1,2,3,7,8-PeCDF**

210527R2\_1

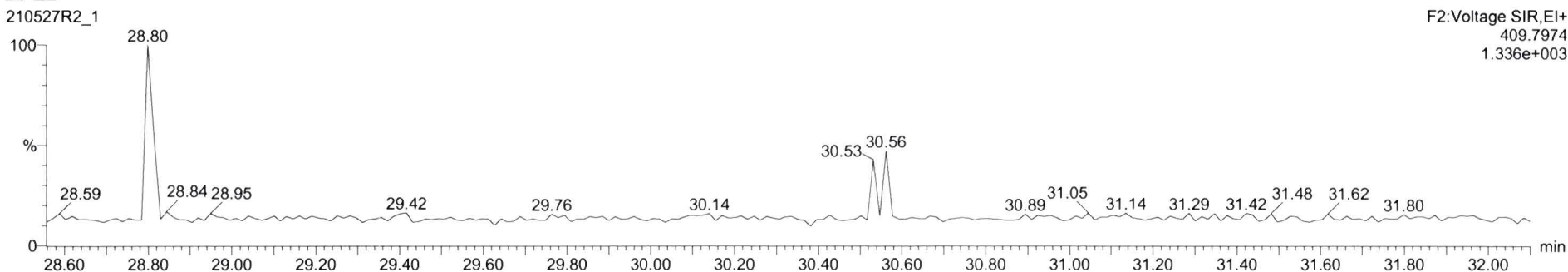


210527R2\_1



**DPE2**

210527R2\_1



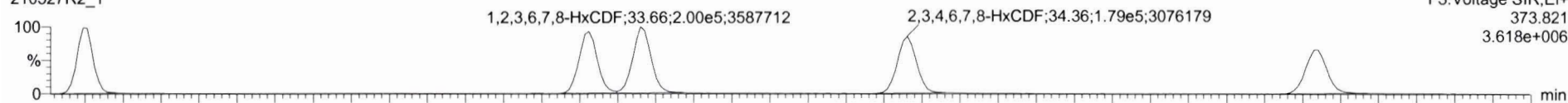
Dataset: Untitled

Last Altered: Friday, May 28, 2021 10:05:46 Pacific Daylight Time  
Printed: Friday, May 28, 2021 10:07:48 Pacific Daylight Time

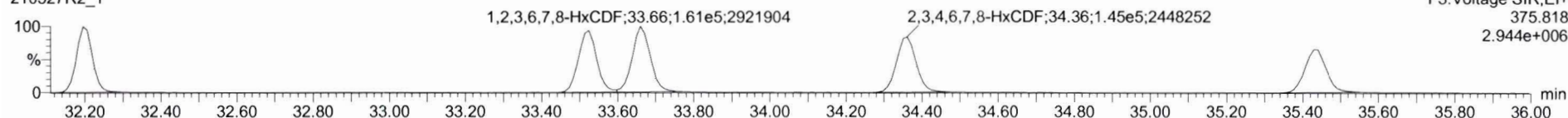
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**1,2,3,4,7,8-HxCDF**

210527R2\_1

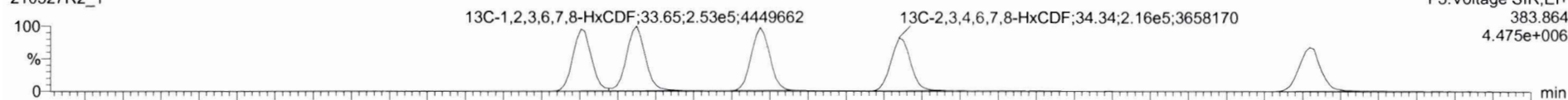


210527R2\_1

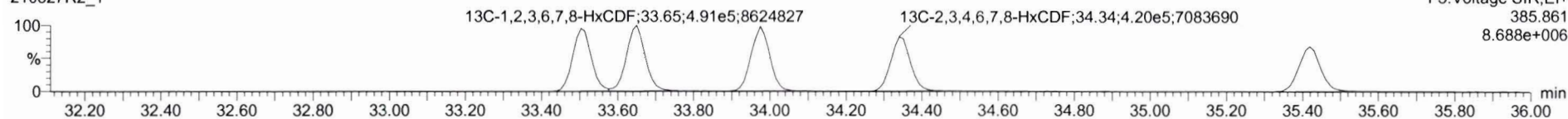


**13C-1,2,3,4,7,8-HxCDF**

210527R2\_1

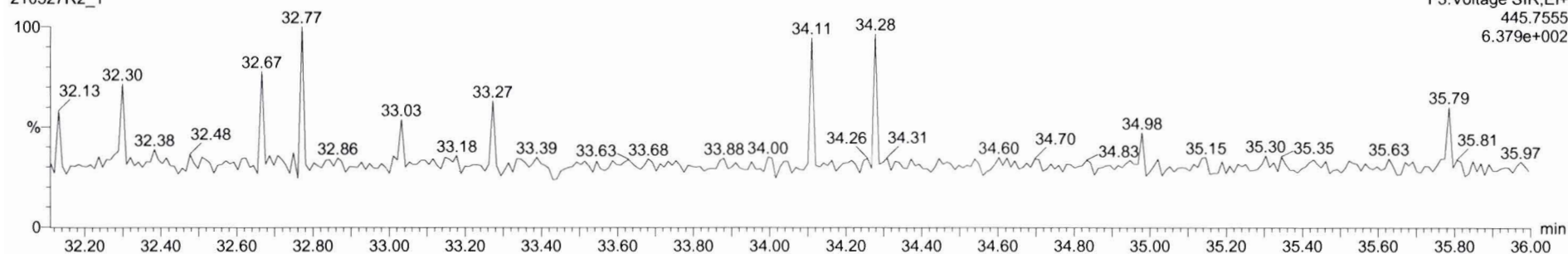


210527R2\_1



**DPE3**

210527R2\_1

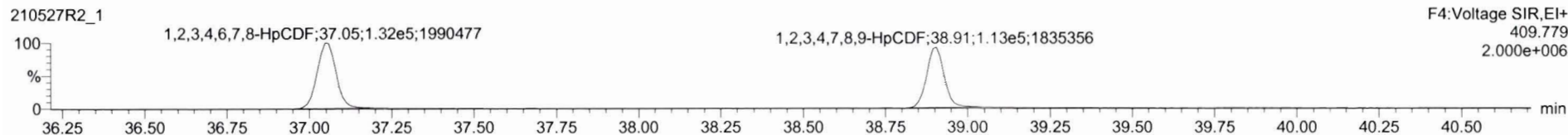
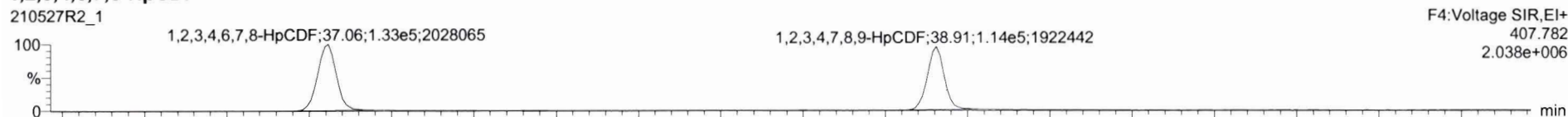


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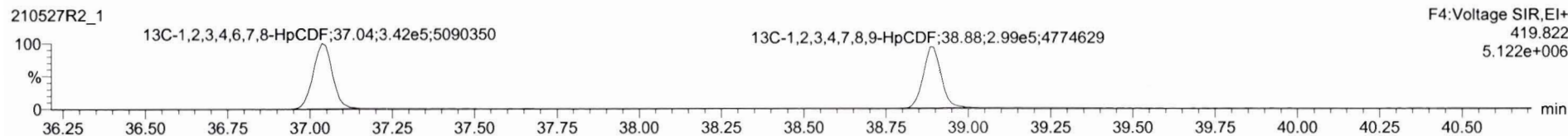
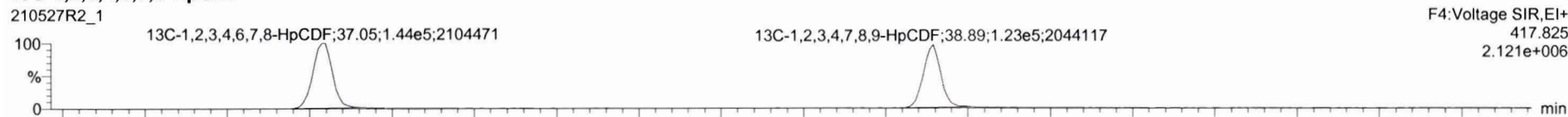
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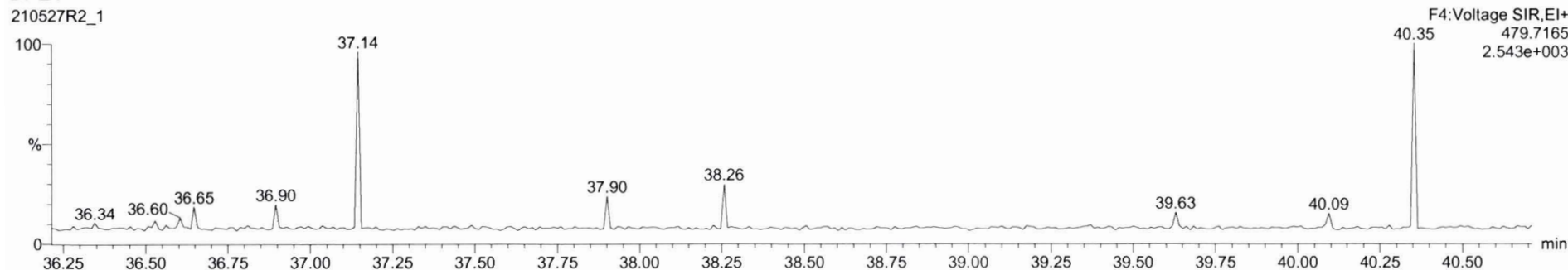
**1,2,3,4,6,7,8-HpCDF**



**13C-1,2,3,4,6,7,8-HpCDF**



**DPE4**



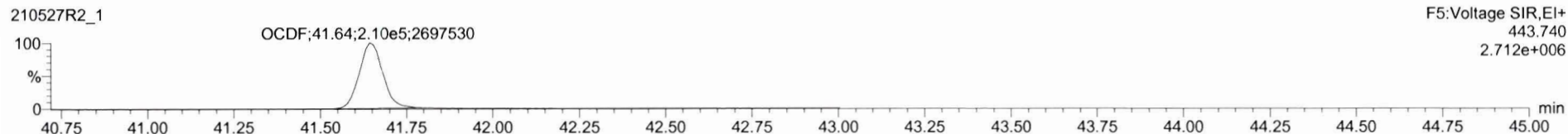
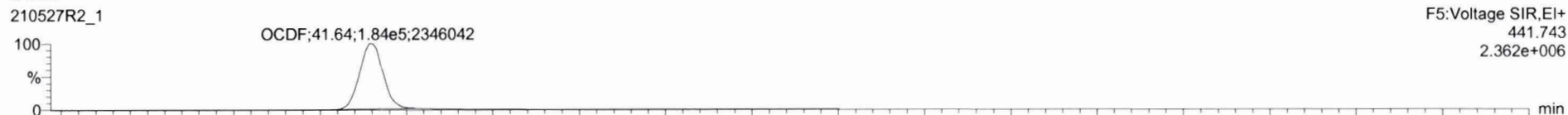


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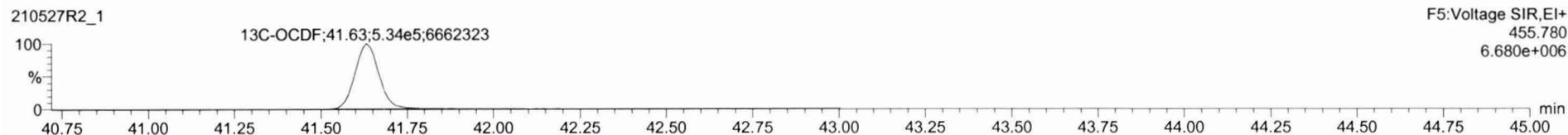
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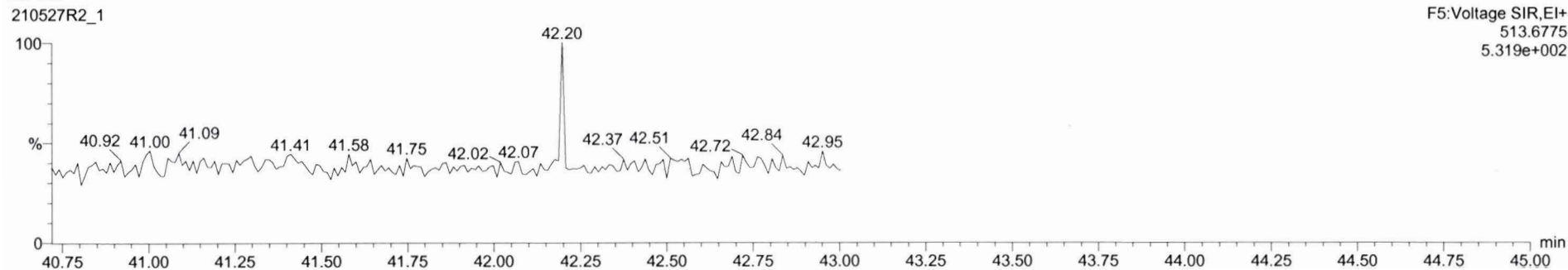
**OCDF**



**13C-OCDF**



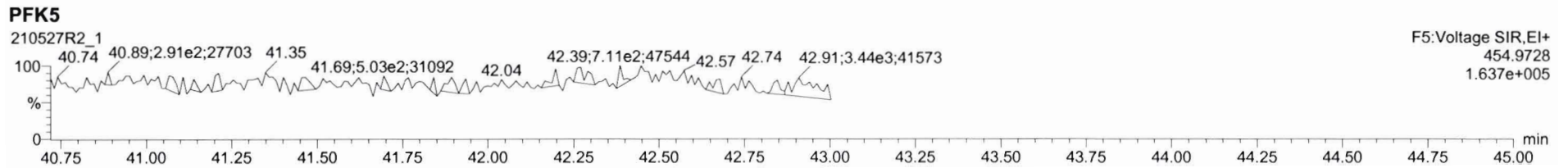
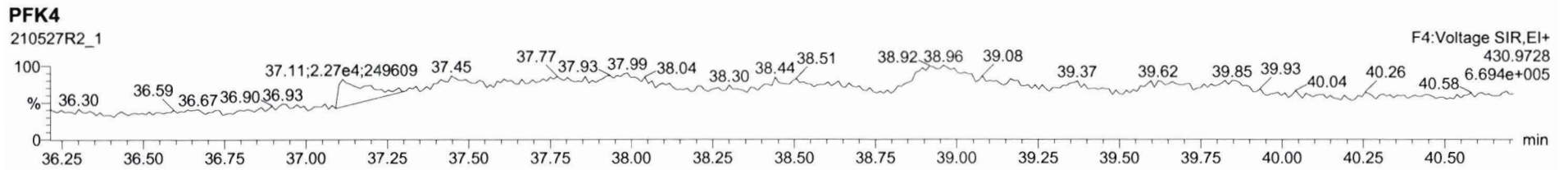
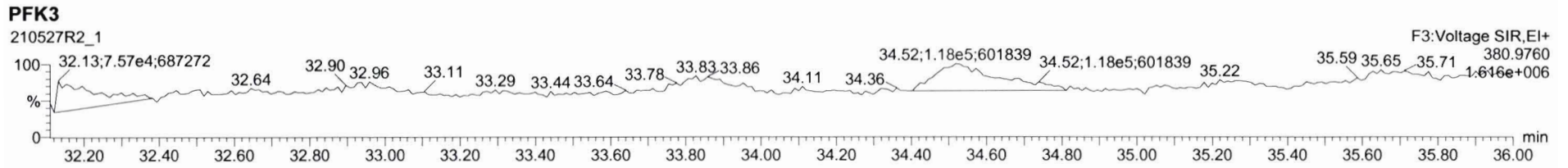
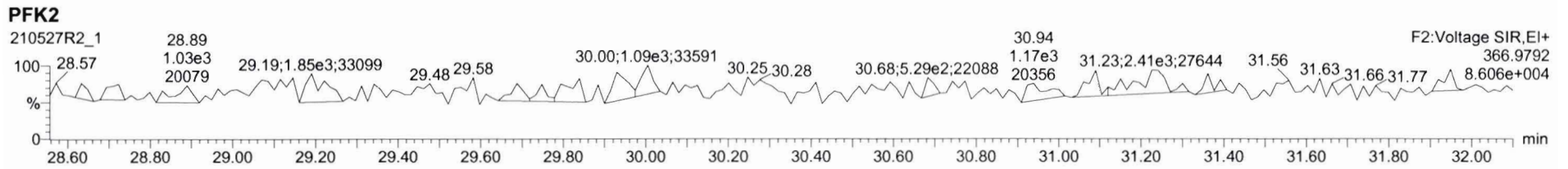
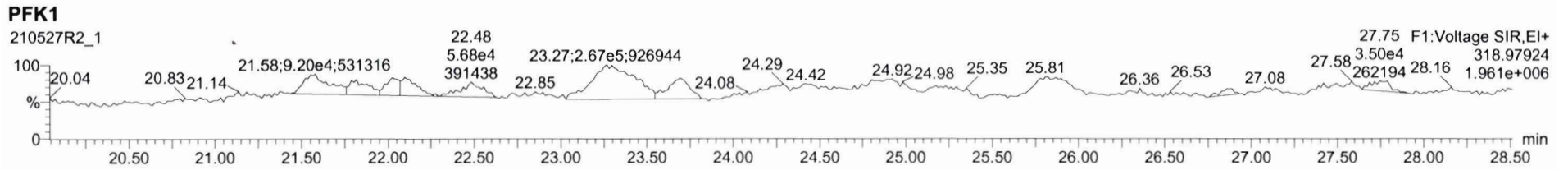
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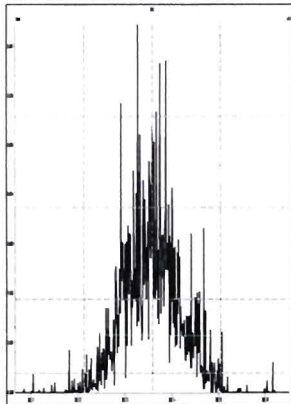
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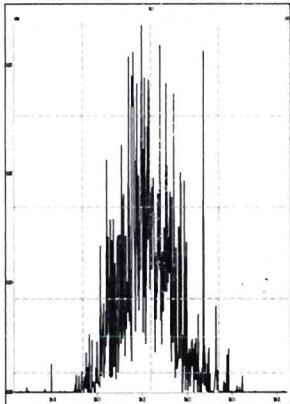


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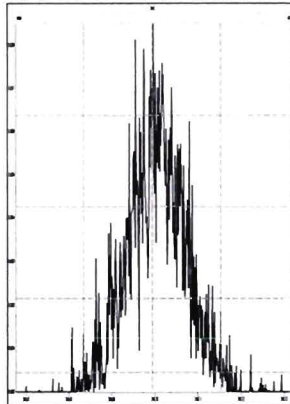
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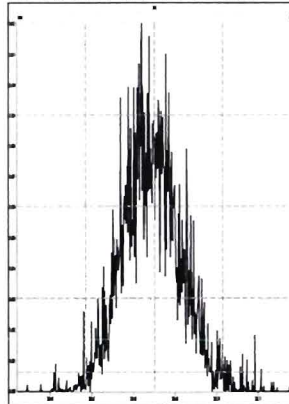
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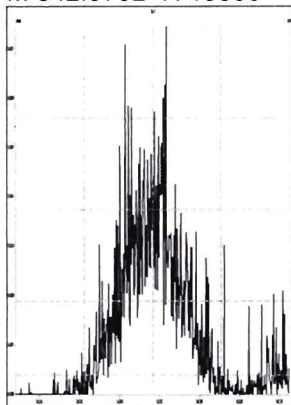
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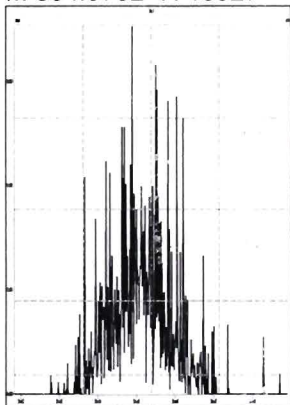
M 330.9792 R 12066



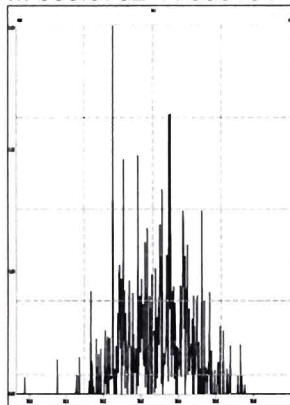
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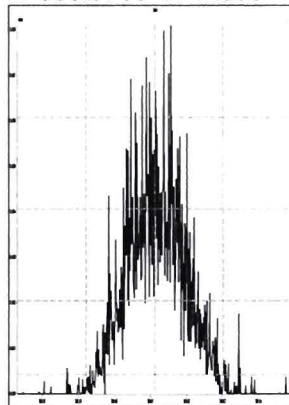
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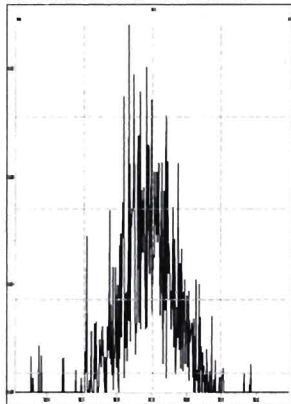
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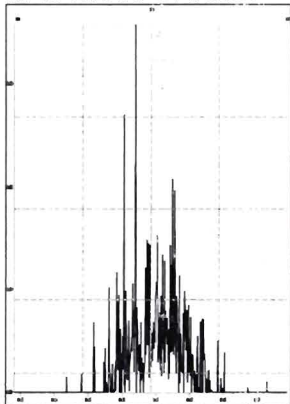
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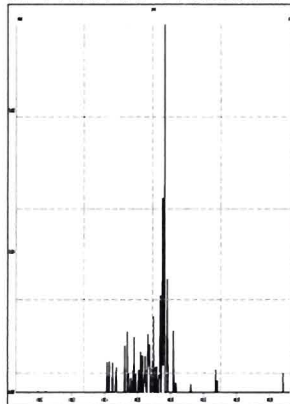
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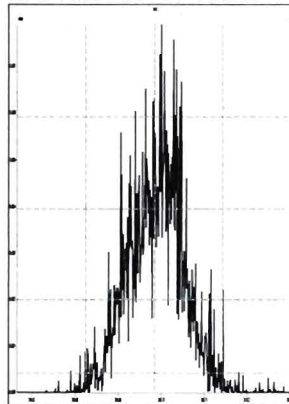
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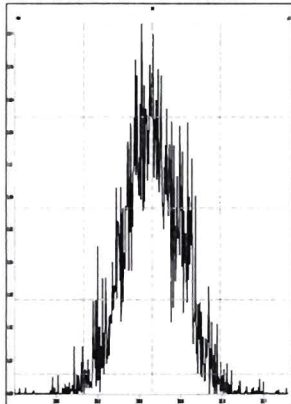
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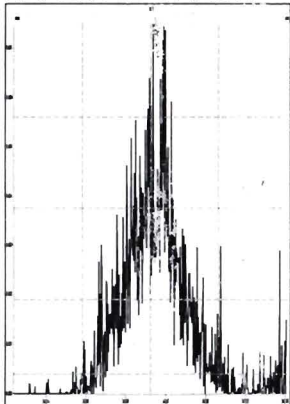
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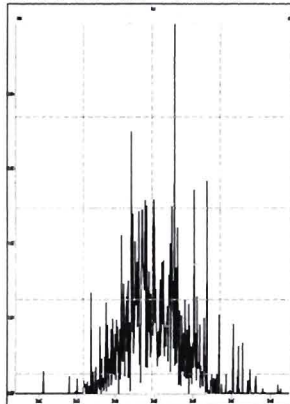
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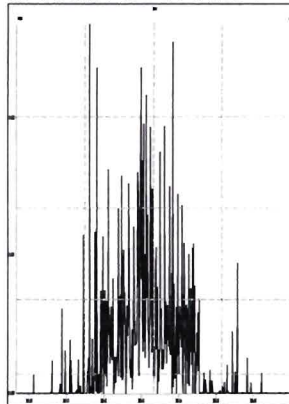
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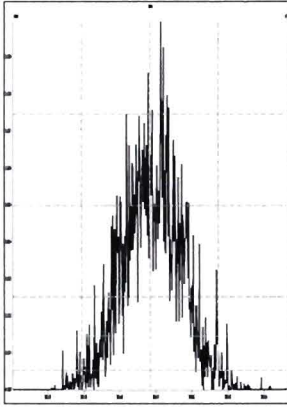
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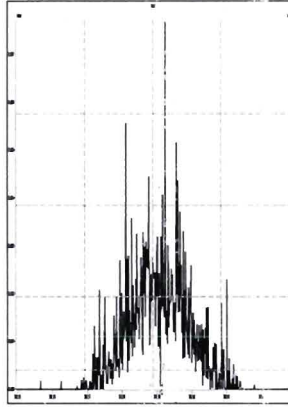


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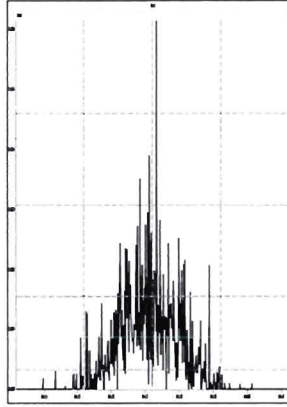
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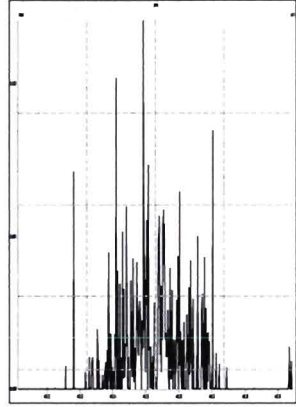
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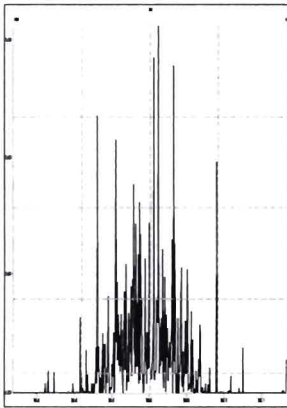
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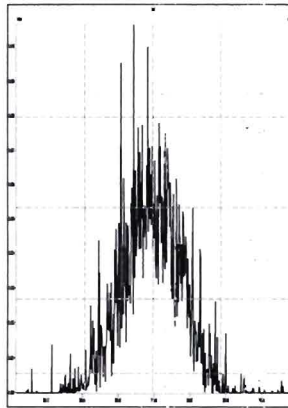
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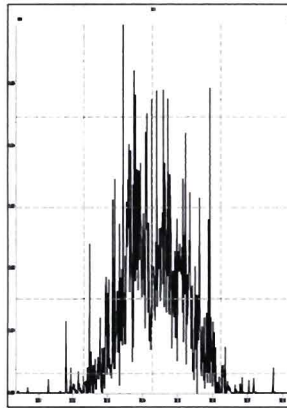
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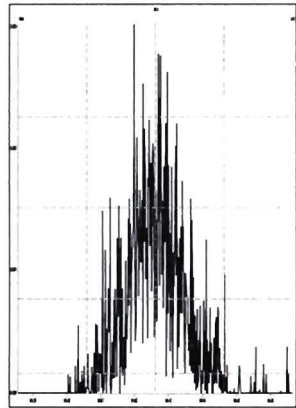
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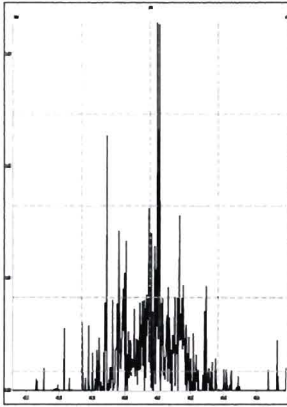
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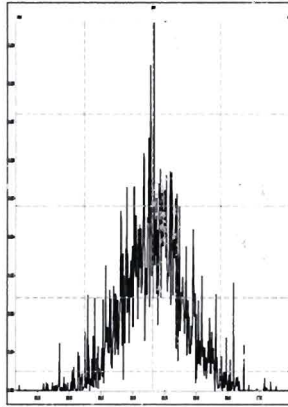
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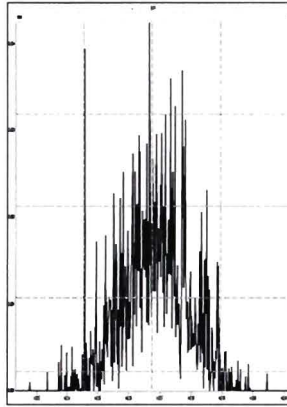
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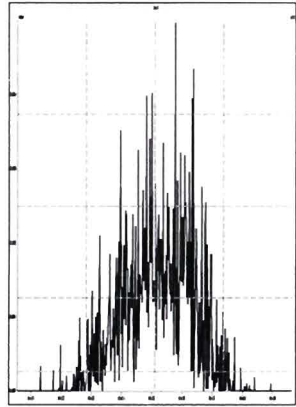
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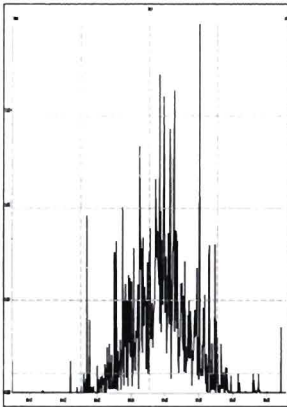
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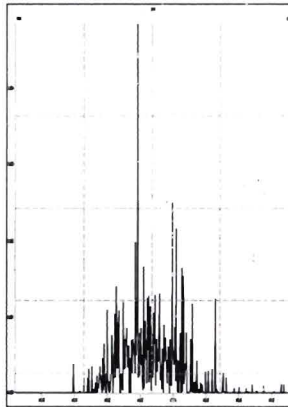
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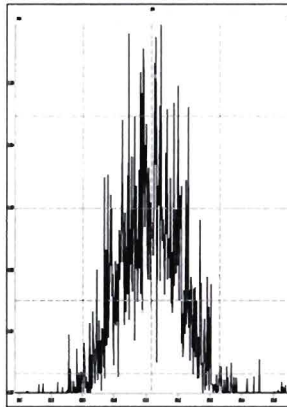
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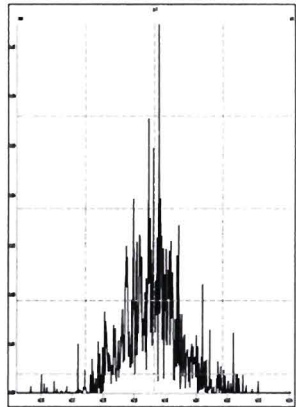
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M 430.9728 R 15126

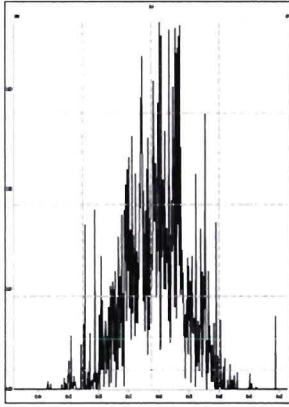


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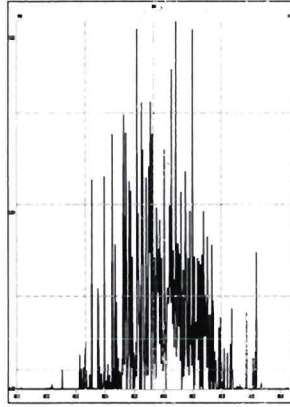


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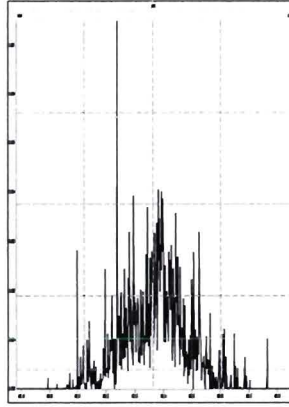
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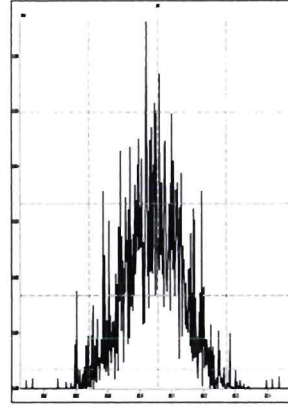
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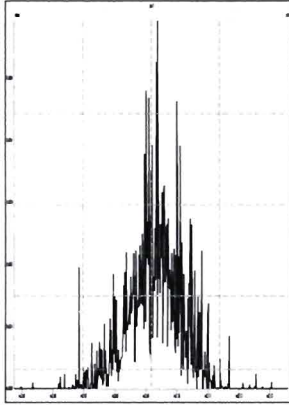
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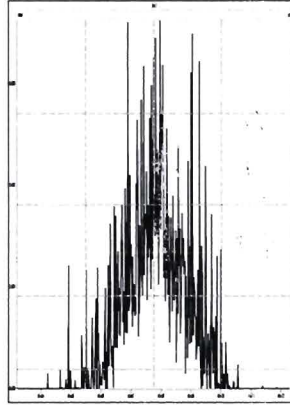
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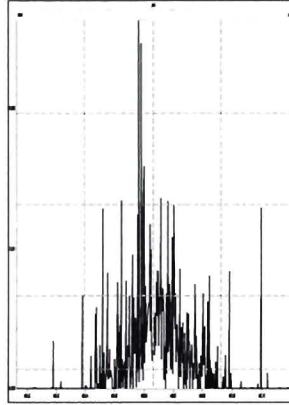
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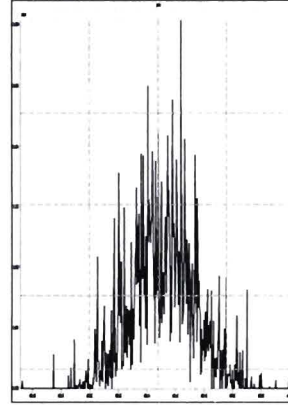
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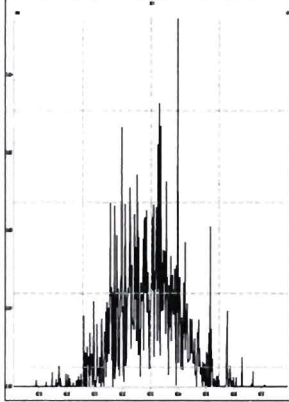
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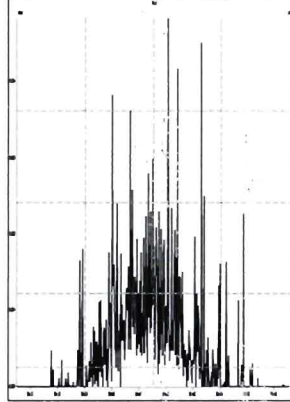
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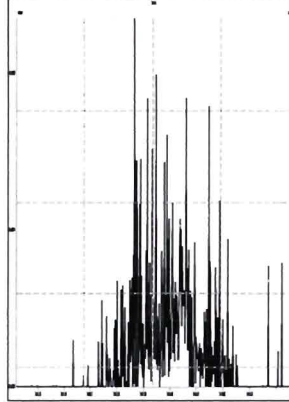
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M 504.9696 R 19071



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Dataset: U:\VG12.PRO\Results\210609R1\210609R1\_1.qld

Last Altered: Tuesday, June 15, 2021 10:48:01 Pacific Daylight Time  
Printed: Tuesday, June 15, 2021 10:52:28 Pacific Daylight Time

*11/11/21*  
*DT 06/15/21*

Method: U:\VG12.PRO\MethDB\1613rrt-04-27-21.mdb 27 Apr 2021 17:33:38  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210609R1\_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT-Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	1 2,3,7,8-TCDD	2.19e4	2.50e5	0.78	NO	0.929	26.68	26.68	NO	1.001	1.001	9.4242	94.2	NO
2	2 1,2,3,7,8-PeCDD	6.51e4	1.55e5	0.61	NO	0.826	31.14	31.12	NO	1.001	1.000	50.863	102	NO
3	3 1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.26	NO	0.972	34.48	34.47	NO	1.001	1.000	51.833	104	NO
4	4 1,2,3,6,7,8-HxCDD	5.51e4	1.22e5	1.25	NO	0.877	34.60	34.60	NO	1.001	1.001	51.336	103	NO
5	5 1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.27	NO	0.874	34.87	34.88	NO	1.000	1.001	49.170	98.3	NO
6	6 1,2,3,4,6,7,8-HpCDD	4.02e4	9.04e4	1.04	NO	0.899	38.25	38.25	NO	1.000	1.000	49.441	98.9	NO
7	7 OCDD	6.40e4	1.48e5	0.86	NO	0.852	41.31	41.32	NO	1.000	1.000	101.67	102	NO
8	8 2,3,7,8-TCDF	2.75e4	3.79e5	0.78	NO	0.747	26.03	26.05	NO	1.000	1.001	9.7124	97.1	NO
9	9 1,2,3,7,8-PeCDF	1.08e5	2.38e5	1.63	NO	0.877	29.92	29.93	NO	1.000	1.001	51.686	103	NO
10	10 2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.57	NO	0.962	30.96	30.94	NO	1.001	1.000	49.456	98.9	NO
11	11 1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.25	NO	0.920	33.52	33.53	NO	1.000	1.001	50.308	101	NO
12	12 1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.27	NO	0.936	33.67	33.67	NO	1.001	1.001	49.536	99.1	NO
13	13 2,3,4,6,7,8-HxCDF	7.11e4	1.49e5	1.26	NO	0.973	34.36	34.36	NO	1.001	1.001	48.994	98.0	NO
14	14 1,2,3,7,8,9-HxCDF	5.75e4	1.23e5	1.23	NO	0.940	35.44	35.44	NO	1.000	1.000	49.659	99.3	NO
15	15 1,2,3,4,6,7,8-HpCDF	5.64e4	1.08e5	1.02	NO	1.05	37.05	37.05	NO	1.000	1.000	49.779	99.6	NO
16	16 1,2,3,4,7,8,9-HpCDF	4.37e4	8.27e4	1.01	NO	1.05	38.92	38.92	NO	1.000	1.000	50.556	101	NO
17	17 OCDF	7.16e4	1.89e5	0.90	NO	0.771	41.63	41.64	NO	1.000	1.001	98.256	98.3	NO
18	18 13C-2,3,7,8-TCDD	2.50e5	2.25e5	0.78	NO	1.10	26.62	26.65	NO	1.027	1.028	100.70	101	NO
19	19 13C-1,2,3,7,8-PeCDD	1.55e5	2.25e5	0.64	NO	0.864	31.00	31.11	NO	1.196	1.200	79.894	79.9	NO
20	20 13C-1,2,3,4,7,8-HxCDD	1.05e5	1.64e5	1.33	NO	0.746	34.44	34.46	NO	1.014	1.014	86.254	86.3	NO
21	21 13C-1,2,3,6,7,8-HxCDD	1.22e5	1.64e5	1.36	NO	0.847	34.56	34.58	NO	1.017	1.018	88.135	88.1	NO
22	22 13C-1,2,3,7,8,9-HxCDD	1.25e5	1.64e5	1.27	NO	0.868	34.86	34.86	NO	1.026	1.026	87.825	87.8	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	9.04e4	1.64e5	1.04	NO	0.664	38.21	38.24	NO	1.125	1.125	83.001	83.0	NO
24	24 13C-OCDD	1.48e5	1.64e5	0.88	NO	0.561	41.15	41.31	NO	1.211	1.216	160.71	80.4	NO
25	25 13C-2,3,7,8-TCDF	3.79e5	3.70e5	0.77	NO	1.09	26.02	26.03	NO	1.003	1.004	93.792	93.8	NO
26	26 13C-1,2,3,7,8-PeCDF	2.38e5	3.70e5	1.67	NO	0.809	29.73	29.91	NO	1.147	1.154	79.552	79.6	NO
27	27 13C-2,3,4,7,8-PeCDF	2.31e5	3.70e5	1.67	NO	0.803	30.69	30.94	NO	1.184	1.193	77.726	77.7	NO
28	28 13C-1,2,3,4,7,8-HxCDF	1.53e5	1.64e5	0.50	NO	1.01	33.52	33.51	NO	0.987	0.986	92.024	92.0	NO
29	29 13C-1,2,3,6,7,8-HxCDF	1.67e5	1.64e5	0.51	NO	1.07	33.64	33.65	NO	0.990	0.990	95.027	95.0	NO
30	30 13C-2,3,4,6,7,8-HxCDF	1.49e5	1.64e5	0.51	NO	0.910	34.33	34.34	NO	1.011	1.011	100.08	100	NO
31	31 13C-1,2,3,7,8,9-HxCDF	1.23e5	1.64e5	0.48	NO	0.828	35.41	35.43	NO	1.042	1.043	90.795	90.8	NO

Dataset: U:\VG12.PRO\Results\210609R1\210609R1\_1.qld

Last Altered: Tuesday, June 15, 2021 10:48:01 Pacific Daylight Time

Printed: Tuesday, June 15, 2021 10:52:28 Pacific Daylight Time

Name: 210609R1\_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT.Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
32	13C-1,2,3,4,6,7,8-HpCDF	1.08e5	1.64e5	0.41	NO	0.661	37.02	37.04	NO	1.090	1.090	99.844	99.8	NO
33	13C-1,2,3,4,7,8,9-HpCDF	8.27e4	1.64e5	0.40	NO	0.566	38.78	38.90	NO	1.141	1.145	89.215	89.2	NO
34	13C-OCDF	1.89e5	1.64e5	0.87	NO	0.663	41.54	41.62	NO	1.223	1.225	173.89	86.9	NO
35	37Cl-2,3,7,8-TCDD	4.19e4	2.25e5			2.07	26.82	26.67	NO	1.035	1.029	9.0268	90.3	NO
36	13C-1,2,3,4-TCDD	2.25e5	2.25e5	0.78	NO	1.00	26.07	25.93	NO	1.000	1.000	100.00	100	NO
37	13C-1,2,3,4-TCDF	3.70e5	3.70e5	0.79	NO	1.00	24.76	24.58	NO	1.000	1.000	100.00	100	NO
38	13C-1,2,3,4,6,9-HxCDF	1.64e5	1.64e5	0.50	NO	1.00	34.04	33.97	NO	1.000	1.000	100.00	100	YES

OK



Dataset: Untitled

Last Altered: Tuesday, June 15, 2021 10:52:52 Pacific Daylight Time  
Printed: Tuesday, June 15, 2021 10:52:58 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-27-21.mdb 27 Apr 2021 17:33:38  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

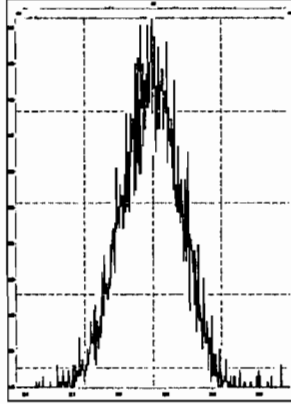
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	210609R1_1	ST210609R1_1 1613 CS3 21C0105	09-Jun-21	10:46:57
2	210609R1_2	SOLVENT BLANK	09-Jun-21	11:34:57
3	210609R1_3	2105243-01 DSN003 FINAL EFFLUENT 1.013...	09-Jun-21	12:19:16
4	210609R1_4	HRMS-210603-02	09-Jun-21	13:05:17
5	210609R1_5	2105042-04 USMPDI-028SC-A-04-05-210504 ...	09-Jun-21	13:51:50
6	210609R1_6	2105042-13 USMPDI-035SC-A-04-05-210504 ...	09-Jun-21	14:39:21
7	210609R1_7	2105022-08 USMPDI-037SC-A-11-12.1-21050...	09-Jun-21	15:24:18
8	210609R1_8	2105047-01 USMPDI-028SG-210504 21.37	09-Jun-21	16:10:23
9	210609R1_9	2105047-03 USMPDI-031SG-210504 24.65	09-Jun-21	16:54:39
10	210609R1_10	2105047-02 USMPDI-030SG-210504 18.07	09-Jun-21	17:38:54
11	210609R1_11	2105047-04 USMPDI-035SG-210504 20.65	09-Jun-21	18:23:08
12	210609R1_12	2105021-07RE1 USMPDI-051SC-A-10-10.8-2...	09-Jun-21	19:07:25
13	210609R1_13	2105221-01 T4-PDI2019-SC44-190523-01-03 ...	09-Jun-21	19:51:39
14	210609R1_14	B1F0018-DUP1 Duplicate 10	09-Jun-21	20:35:55
15	210609R1_15	2105221-02 T4-PDI2019-SC44-190523-03-05 ...	09-Jun-21	21:20:09
16	210609R1_16	2105221-03 T4-PDI2019-SC44-190523-05-07 ...	09-Jun-21	22:04:24

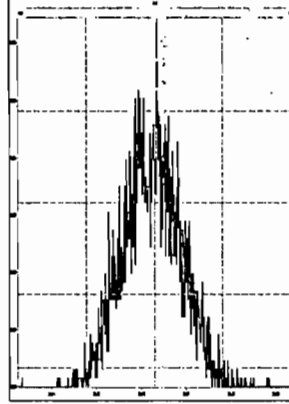
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, June 09, 2021 10:39:22 Pacific Daylight Time

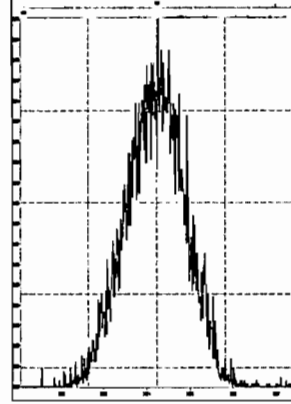
M 292.9824 R 10915



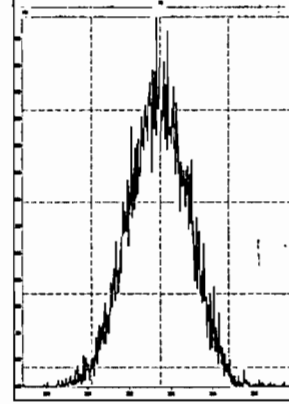
M 304.9824 R 11738



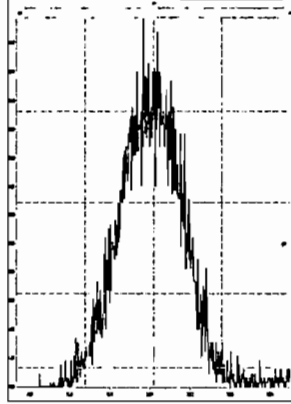
M 318.9792 R 10592



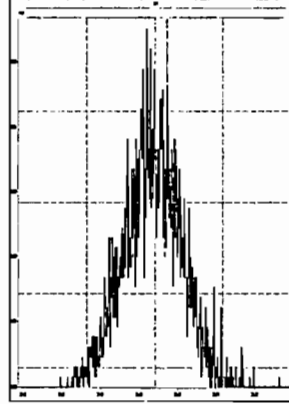
M 330.9792 R 10590



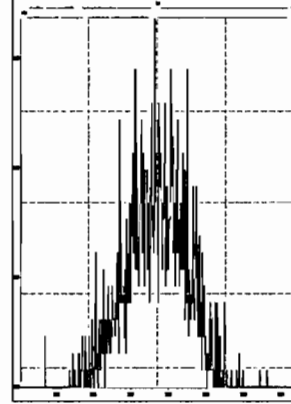
M 342.9792 R 10203



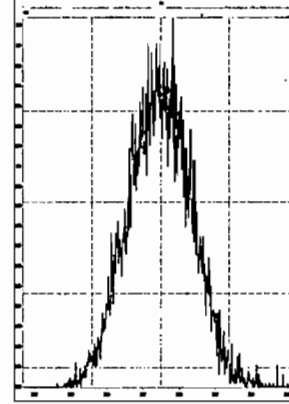
M 354.9792 R 12197



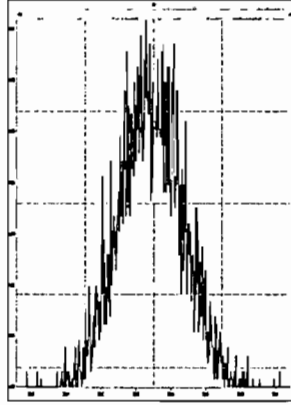
M 366.9792 R 12626



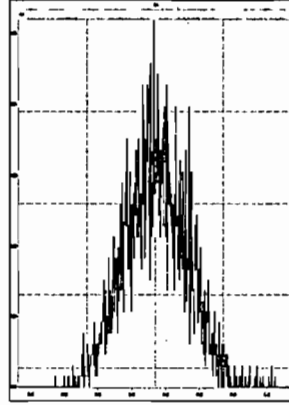
M 380.9760 R 10419



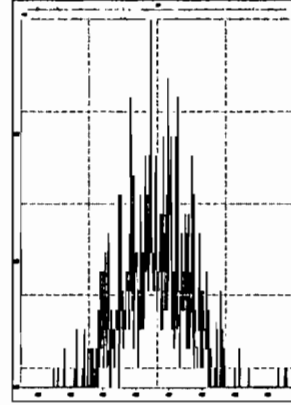
M 392.9760 R 10370



M 404.9760 R 10637



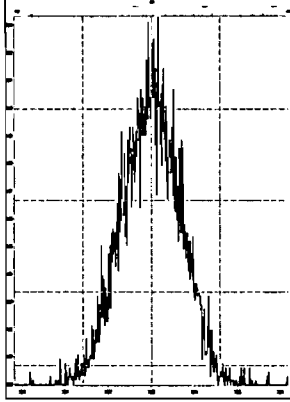
M 416.9760 R 12622



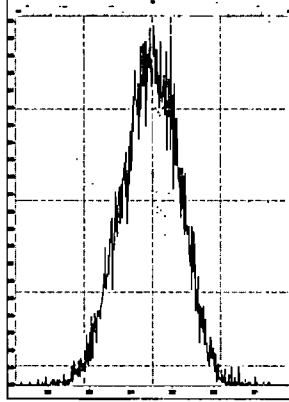
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, June 09, 2021 10:40:32 Pacific Daylight Time

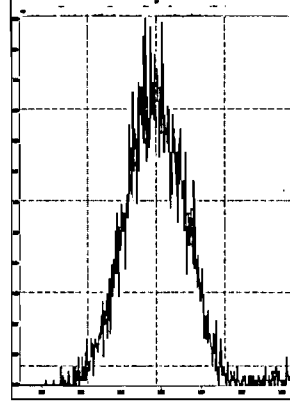
M 318.9792 R 10963



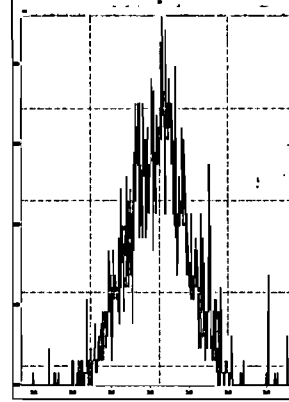
M 330.9792 R 10462



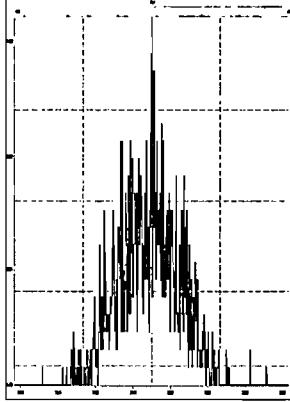
M 342.9792 R 11110



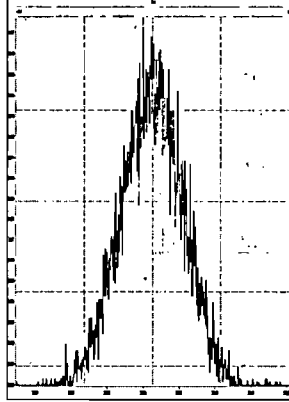
M 354.9792 R 11010



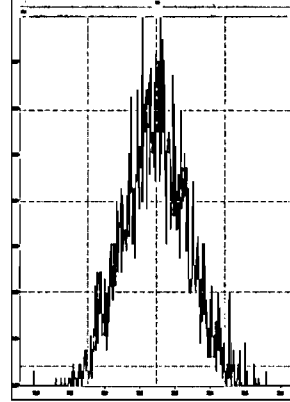
M 366.9792 R 12754



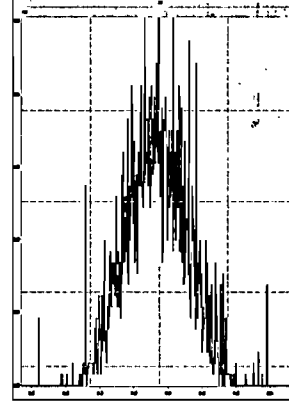
M 380.9760 R 10164



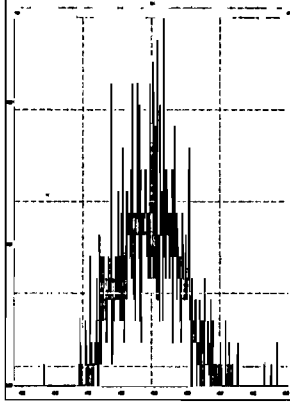
M 392.9760 R 10548



M 404.9760 R 10551



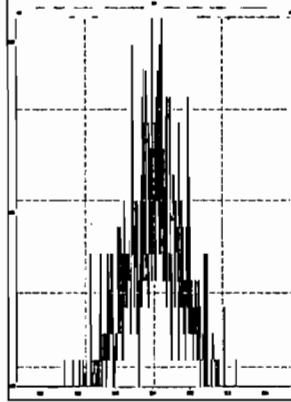
M 416.9760 R 12500



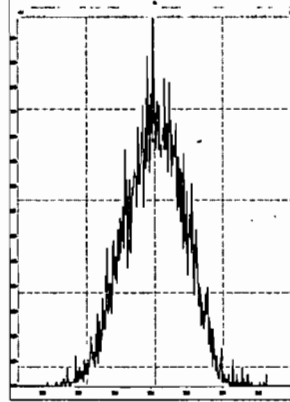
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, June 09, 2021 10:43:44 Pacific Daylight Time

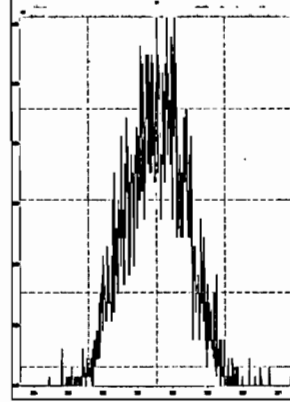
M 366.9792 R 12821



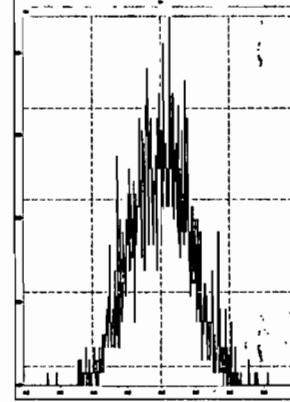
M 380.9760 R 10548



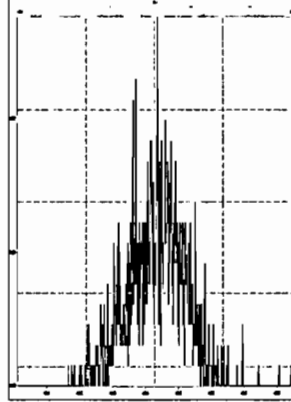
M 392.9760 R 11212



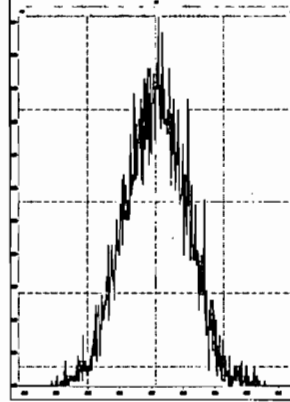
M 404.9760 R 10916



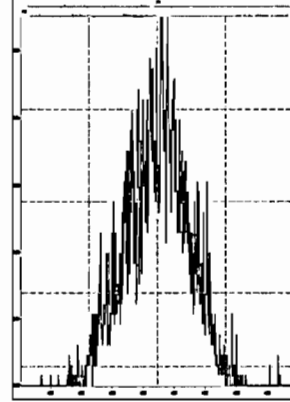
M 416.9760 R 14883



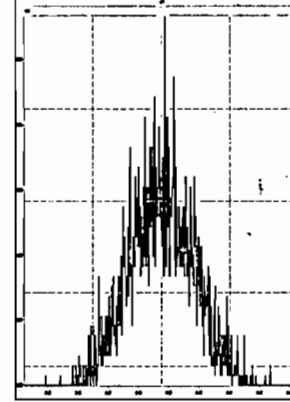
M 430.9728 R 10638



M 442.9728 R 10372



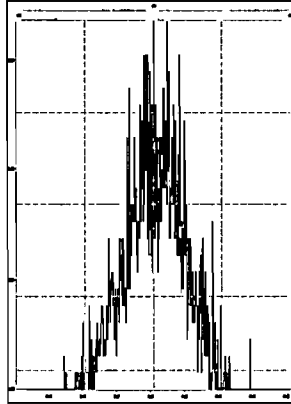
M 454.9728 R 10163



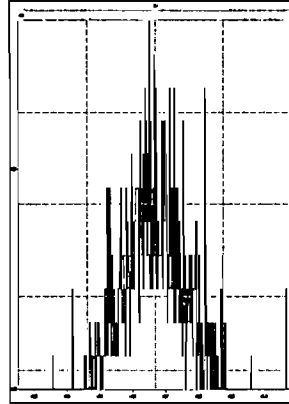
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Wednesday, June 09, 2021 10:44:35 Pacific Daylight Time

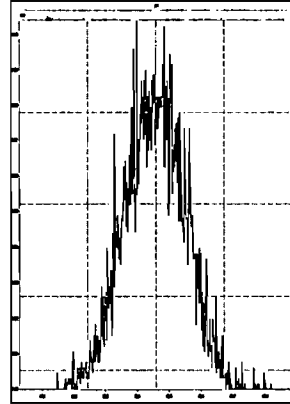
M 404.9760 R 11962



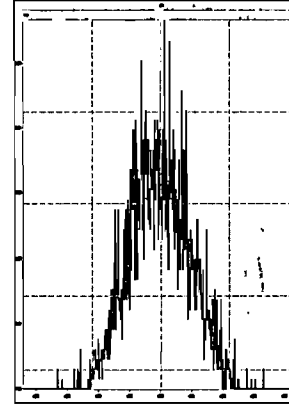
M 416.9760 R 13734



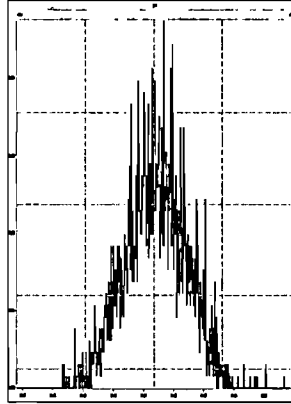
M 430.9728 R 10327



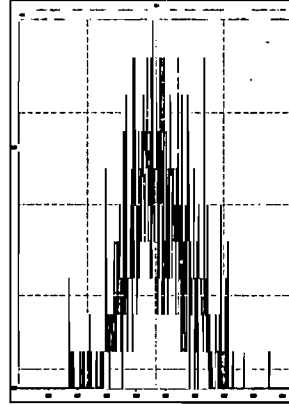
M 442.9728 R 10459



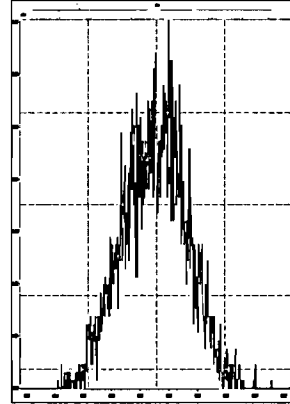
M 454.9728 R 10962



M 466.9728 R 12886



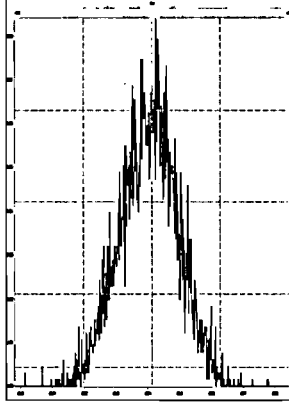
M 480.9696 R 11263



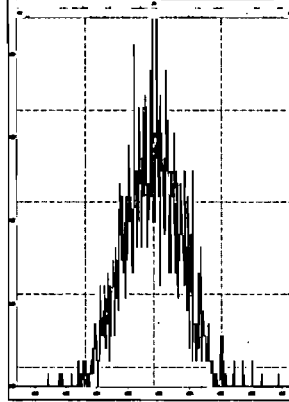
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Wednesday, June 09, 2021 10:45:47 Pacific Daylight Time

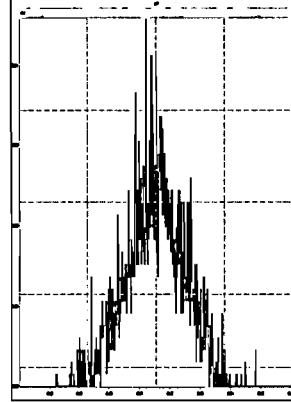
M 430.9728 R 10822



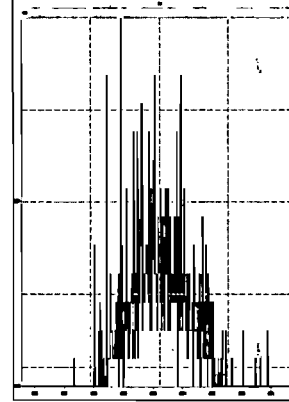
M 442.9728 R 11906



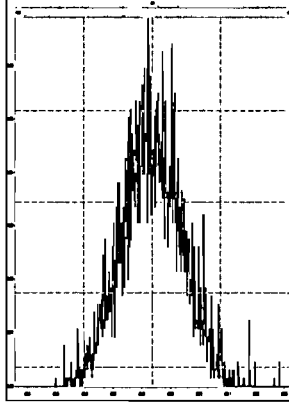
M 454.9728 R 12755



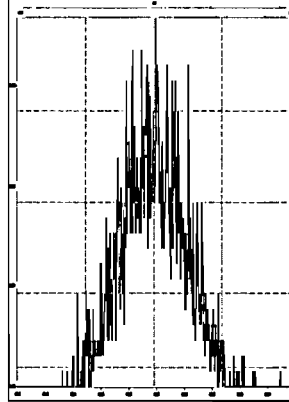
M 466.9728 R 18654



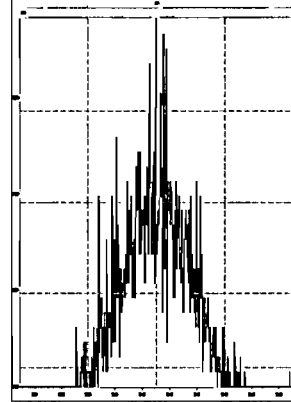
M 480.9696 R 10417



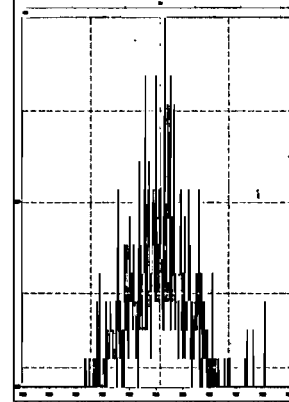
M 492.9696 R 10248



M 504.9696 R 10078



M 516.9697 R 12076



Dataset: U:\VG12.PRO\Results\210609R1\210609R1\_CPSM.qld

Last Altered: Monday, June 14, 2021 16:37:23 Pacific Daylight Time

Printed: Monday, June 14, 2021 16:37:52 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 18 May 2021 09:49:43

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210609R1\_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

#	Name	RT
1	1 1,3,6,8-TCDD (First)	23.21
2	2 1,2,8,9-TCDD (Last)	27.51
3	3 1,2,4,7,9-PeCDD (First)	28.93
4	4 1,2,3,8,9-PeCDD (Last)	31.47
5	5 1,2,4,6,7,9-HxCDD (First)	32.75
6	6 1,2,3,7,8,9-HxCDD (Last)	34.88
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.37
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.25
9	9 1,3,6,8-TCDF (First)	21.05
10	10 1,2,8,9-TCDF (Last)	27.83
11	11 1,3,4,6,8-PeCDF (First)	27.38
12	12 1,2,3,8,9-PeCDF (Last)	31.84
13	13 1,2,3,4,6,8-HxCDF (First)	32.22
14	14 1,2,3,7,8,9-HxCDF (Last)	35.44
15	15 1,2,3,4,6,7,8-HpCDF (First)	37.05
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.92

Dataset: U:\VG12.PRO\Results\210609R1\210609R1\_CPSM.qld

Last Altered: Monday, June 14, 2021 16:37:23 Pacific Daylight Time  
Printed: Monday, June 14, 2021 16:37:52 Pacific Daylight Time

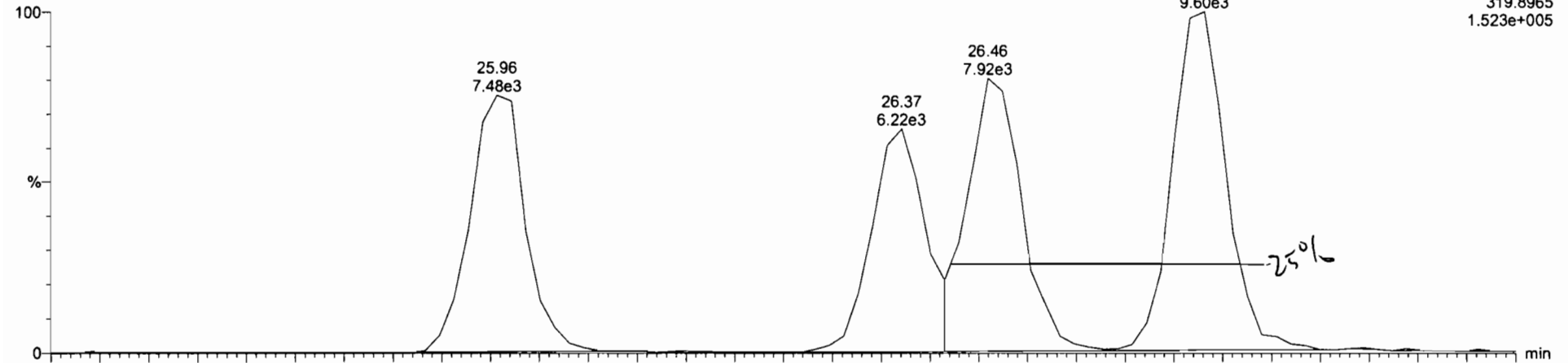
6/14/21

Method: U:\VG12.PRO\MethDB\CPSM.mdb 18 May 2021 09:49:43  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

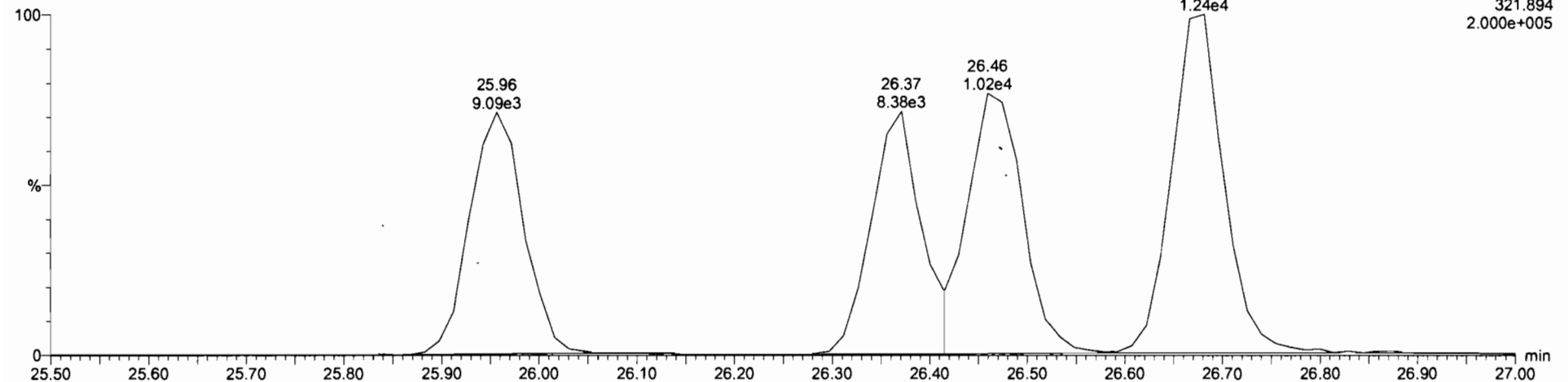
Name: 210609R1\_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1,3,6,8-TCDD (First)

210609R1\_1



210609R1\_1





Dataset: U:\VG12.PRO\Results\210609R1\210609R1\_CPSM.qld

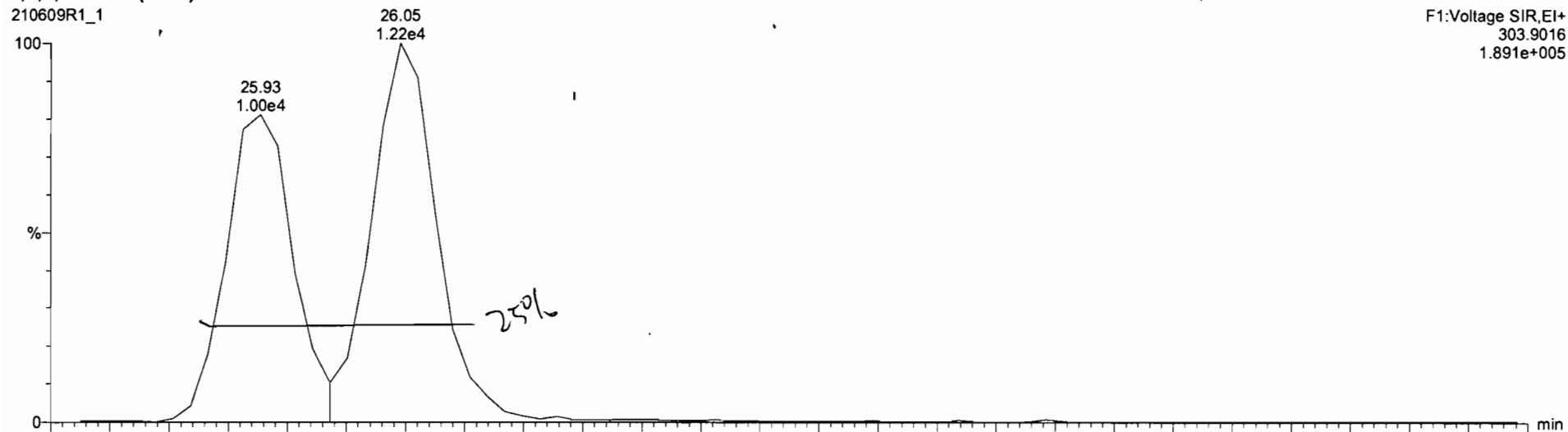
Last Altered: Monday, June 14, 2021 16:37:23 Pacific Daylight Time  
Printed: Monday, June 14, 2021 16:37:52 Pacific Daylight Time

*FIN 06/14/21*

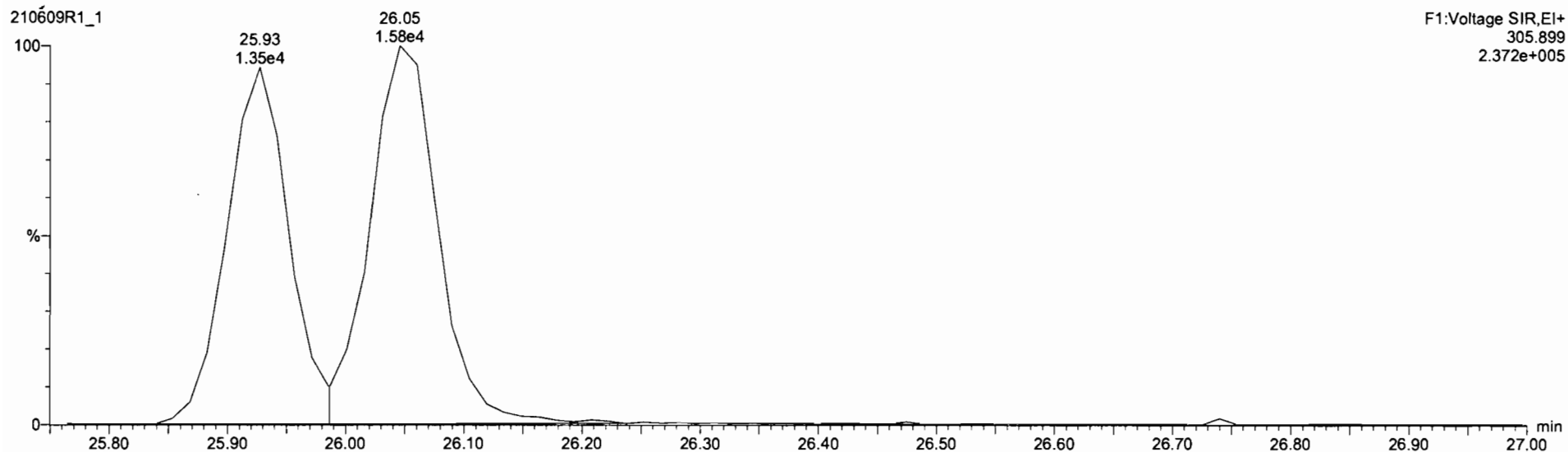
Name: 210609R1\_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1,3,6,8-TCDF (First)

210609R1\_1



210609R1\_1



Dataset: Untitled

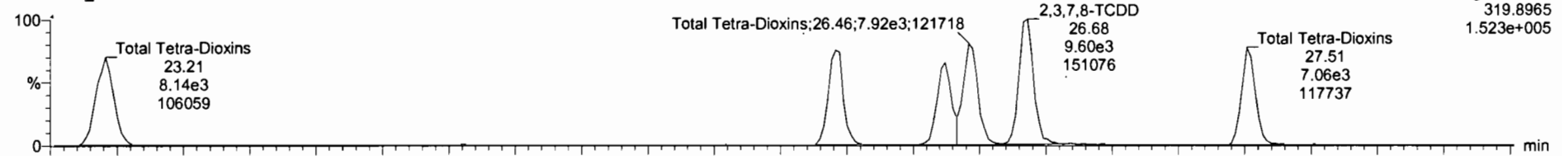
Last Altered: Monday, June 14, 2021 16:36:33 Pacific Daylight Time  
Printed: Monday, June 14, 2021 16:36:42 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-27-21.mdb 27 Apr 2021 17:33:38  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

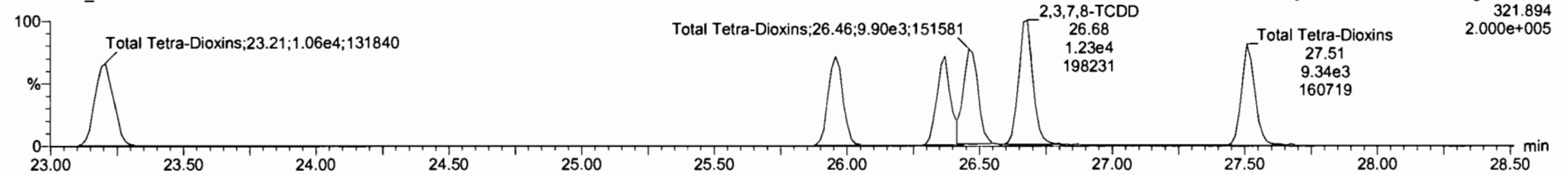
Name: 210609R1\_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

**2,3,7,8-TCDD**

210609R1\_1

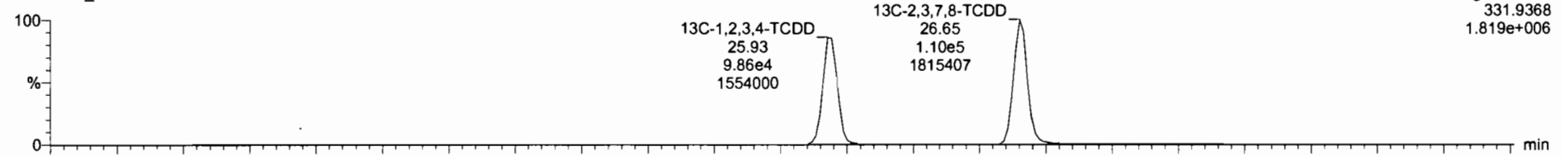


210609R1\_1

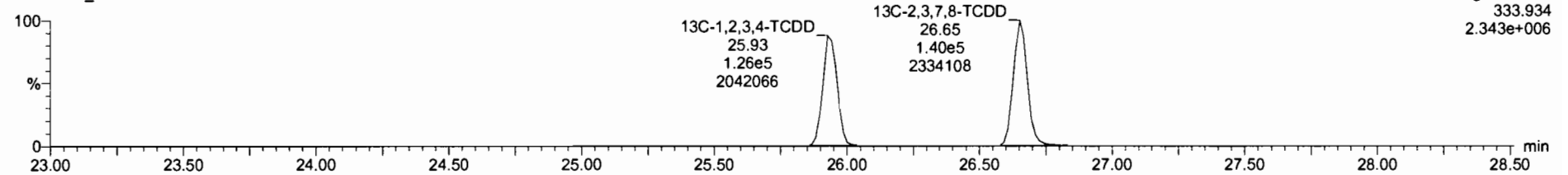


**13C-2,3,7,8-TCDD**

210609R1\_1



210609R1\_1



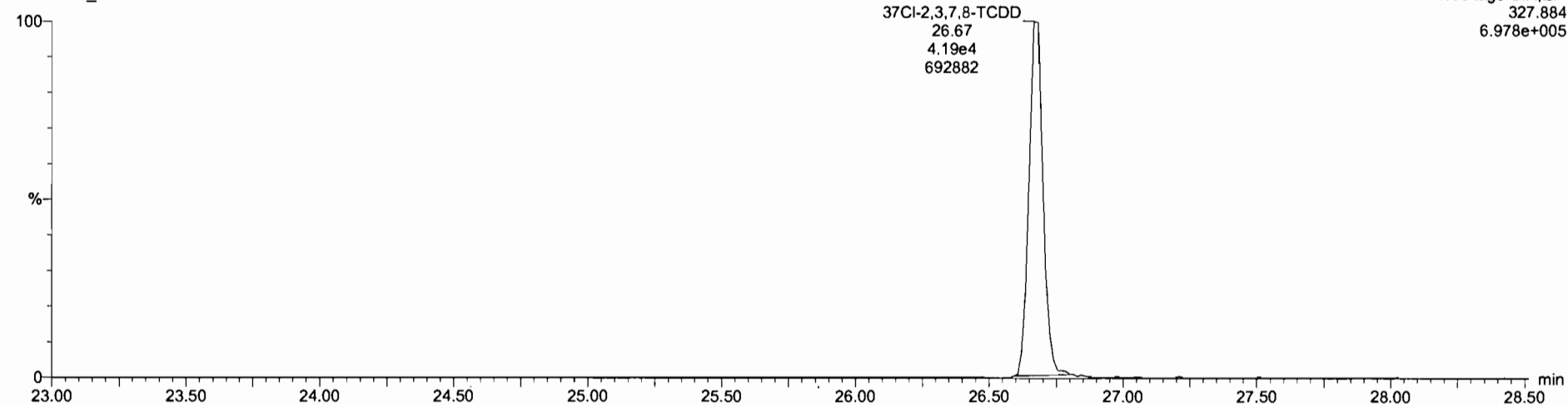
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Last Altered: Monday, June 14, 2021 16:36:33 Pacific Daylight Time  
Printed: Monday, June 14, 2021 16:36:42 Pacific Daylight Time

Name: 210609R1\_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

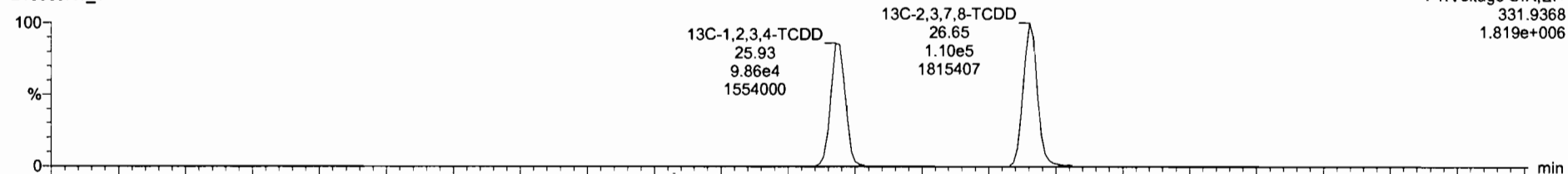
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210609R1\_1

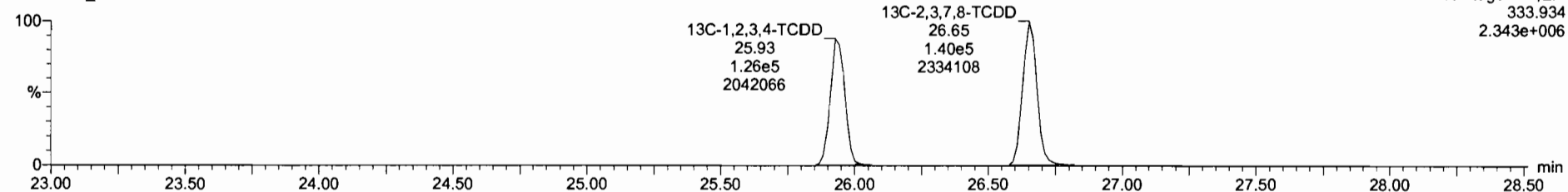


**13C-1,2,3,4-TCDD**

210609R1\_1



210609R1\_1

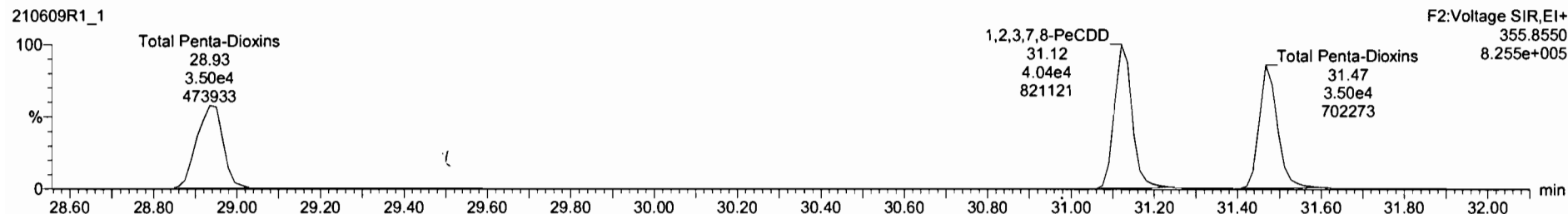
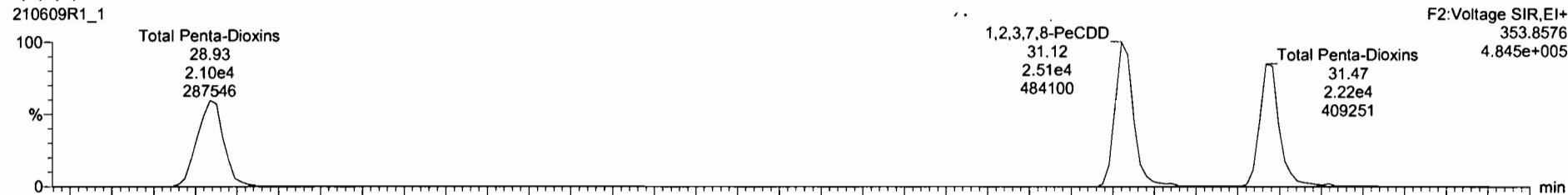


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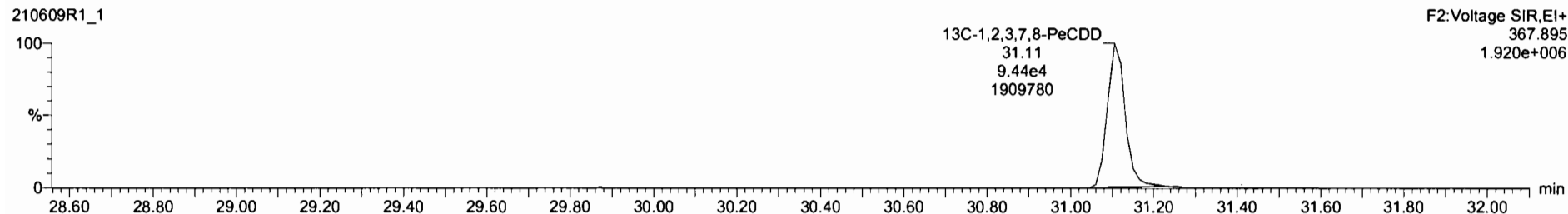
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Name: 210609R1\_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

**1,2,3,7,8-PeCDD**



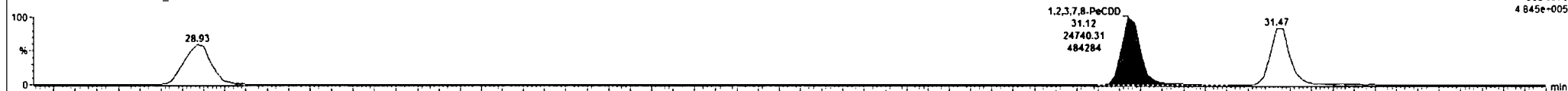
**13C-1,2,3,7,8-PeCDD**



210609R1\_1: ST210609R1\_1 1613 CS3 21C0105 - 1613 CS3 21C0105

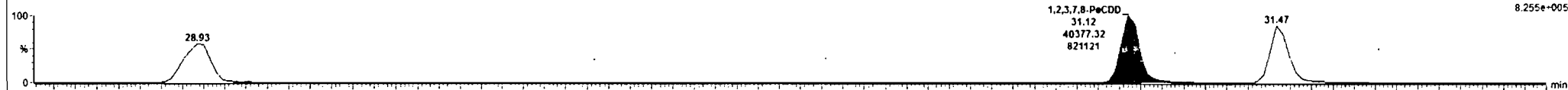
#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred.RRT	.RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	2.19e4	2.50e5	0.77	0.78	NO	0.9291	26.68	26.68	NO	1.001	1.001	9.42	94.2	NO
2	1,2,3,7,8-PeCDD	8.51e4	1.55e5	0.63	0.61	NO	0.8257	31.14	31.12	NO	1.001	1.000	50.9	102	NO
3	1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.24	1.25	NO	0.9725	34.48	34.47	NO	1.001	1.000	51.8	104	NO
4	1,2,3,6,7,8-HxCDD	5.43e4	1.22e5	1.24	1.26	NO	0.8771	34.60	34.60	NO	1.001	1.001	50.7	101	NO
5	1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.24	1.27	NO	0.8739	34.87	34.88	NO	1.000	1.001	49.2	96.3	NO
6	1,2,3,4,6,7,8-HpCDD	4.05e4	9.15e4	1.04	1.05	NO	0.8987	36.25	36.25	NO	1.000	1.000	49.2	98.4	NO
7	OCDD	6.63e4	1.51e5	0.89	0.85	NO	0.8524	41.31	41.32	NO	1.000	1.000	103	103	NO
8	2,3,7,8-TCDF	2.75e4	3.79e5	0.77	0.78	NO	0.7466	26.03	26.05	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	1.09e5	2.38e5	1.55	1.64	NO	0.8771	29.92	29.93	NO	1.000	1.001	52.0	104	NO
10	1,2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.55	1.57	NO	0.9621	30.96	30.94	NO	1.001	1.000	49.5	96.9	NO
11	1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.24	1.25	NO	0.9202	33.52	33.53	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.24	1.27	NO	0.9363	33.67	33.67	NO	1.001	1.001	49.5	99.1	NO
13	1,2,3,4,6,7,8-HxCDF	7.11e4	1.49e5	1.24	1.26	NO	0.9725	34.36	34.36	NO	1.001	1.001	49.0	96.0	NO
14	1,2,3,7,8,9-HxCDF	5.74e4	1.23e5	1.24	1.23	NO	0.9398	35.44	35.44	NO	1.000	1.000	49.6	99.2	NO
15	1,2,3,4,6,7,8-HpCDF	5.64e4	1.10e5	1.04	1.01	NO	1.0481	37.05	37.05	NO	1.000	1.000	48.9	97.7	NO
16	1,2,3,4,7,8,9-HpCDF	4.40e4	8.37e4	1.04	1.03	NO	1.0453	38.92	38.92	NO	1.000	1.000	50.3	101	NO

210609R1\_1  
1613 CS3 21C0105 ST210609R1\_1 1613 CS3 21C0105



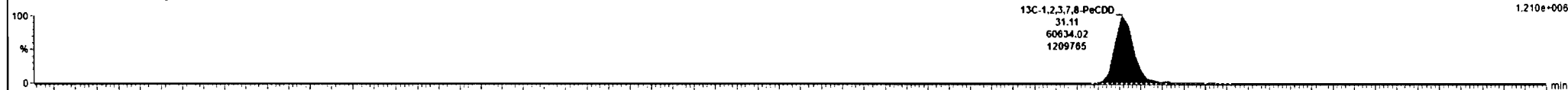
F2:Voltage SIR.EI-  
353.8576  
4.845e-005

210609R1\_1  
1613 CS3 21C0105 ST210609R1\_1 1613 CS3 21C0105



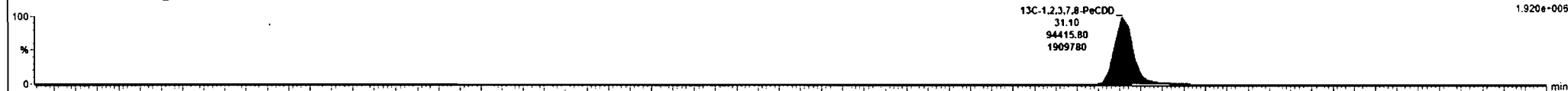
F2:Voltage SIR.EI-  
355.8550  
8.255e-005

210609R1\_1  
1613 CS3 21C0105 ST210609R1\_1 1613 CS3 21C0105



F2:Voltage SIR.EI-  
365.8978  
1.210e-006

210609R1\_1  
1613 CS3 21C0105 ST210609R1\_1 1613 CS3 21C0105



F2:Voltage SIR.EI-  
367.895  
1.920e-005

Ready

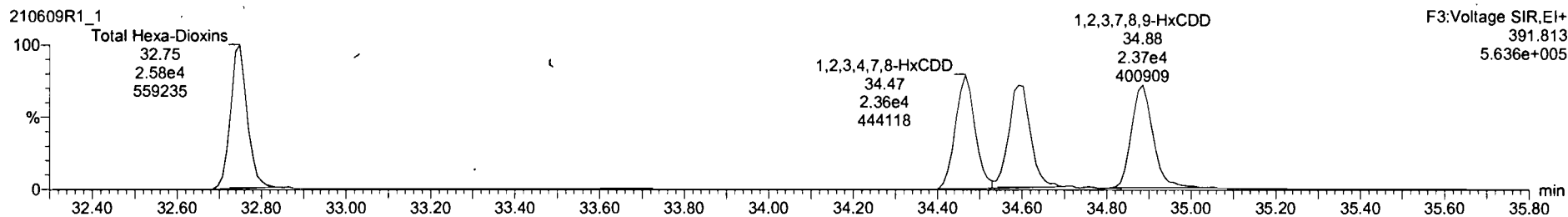
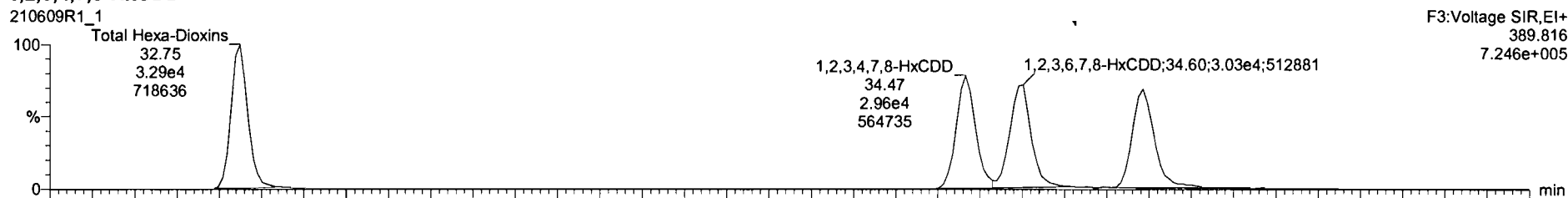
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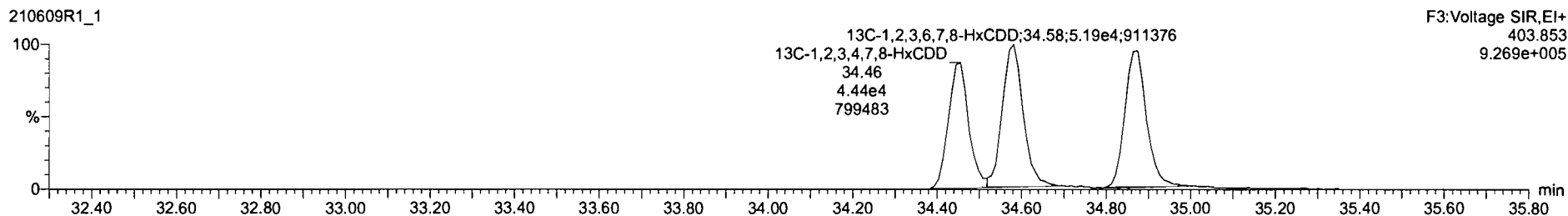
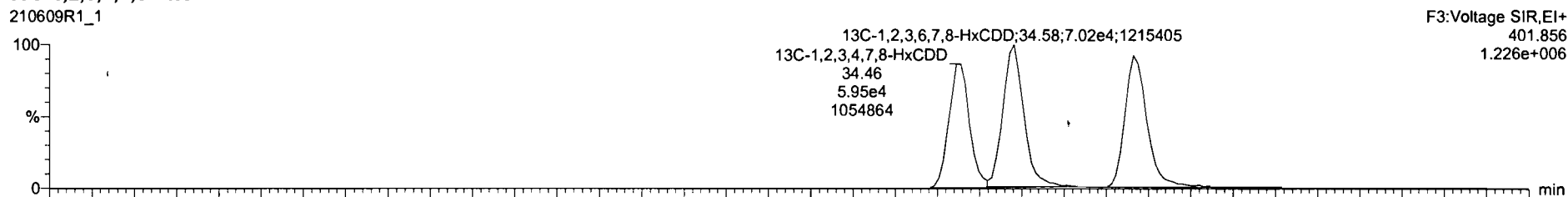
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Printed: Monday, June 14, 2021 16:36:42 Pacific Daylight Time

Name: 210609R1\_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

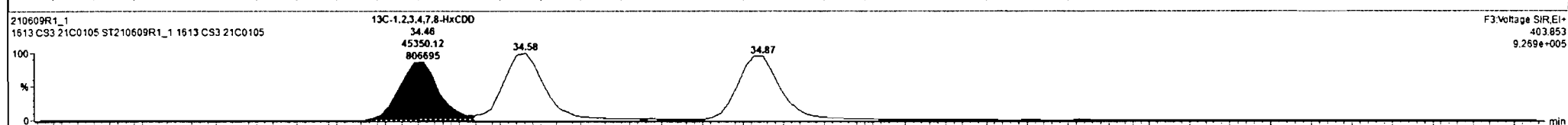
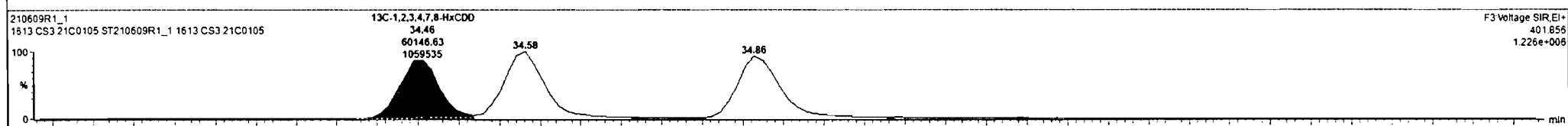
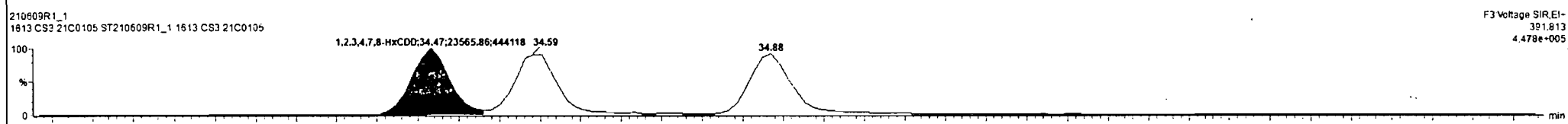
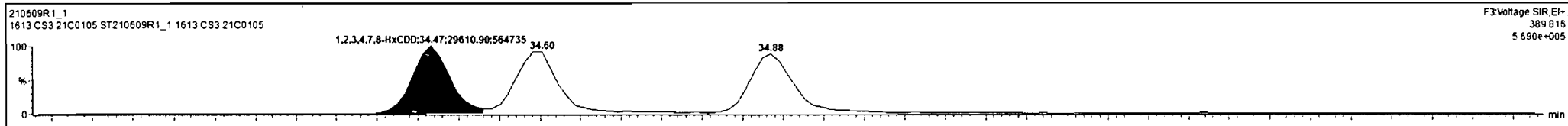
**1,2,3,4,7,8-HxCDD**



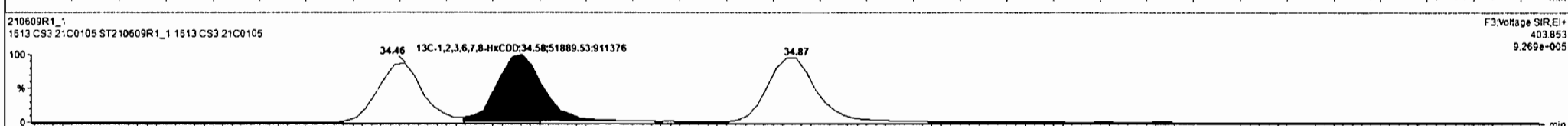
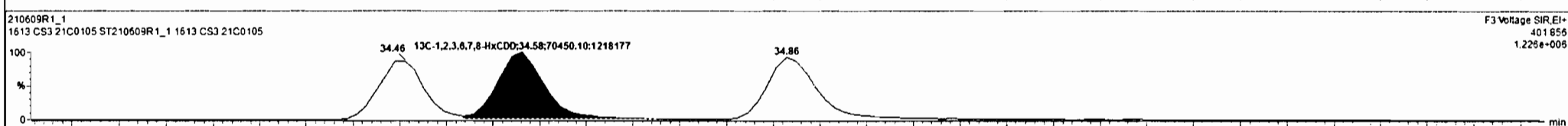
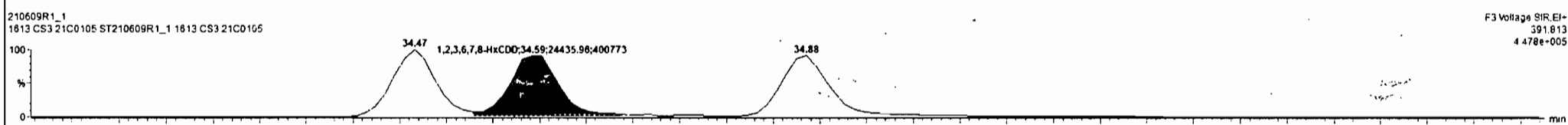
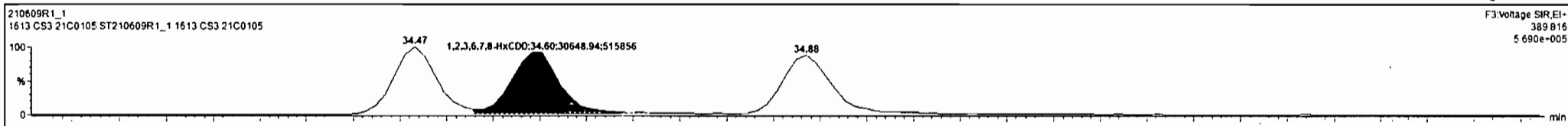
**13C-1,2,3,4,7,8-HxCDD**



#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	2.19e4	2.50e5	0.77	0.78	NO	0.9291	26.68	26.68	NO	1.001	1.001	9.42	94.2	NO
2	1,2,3,7,8-PeCDD	6.51e4	1.55e5	0.63	0.61	NO	0.8257	31.14	31.12	NO	1.001	1.000	50.9	102	NO
3	1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.24	1.26	NO	0.9725	34.48	34.47	NO	1.001	1.000	51.8	104	NO
4	1,2,3,6,7,8-HxCDD	5.43e4	1.22e5	1.24	1.26	NO	0.8771	34.60	34.60	NO	1.001	1.001	50.7	101	NO
5	1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.24	1.27	NO	0.6739	34.87	34.68	NO	1.000	1.001	49.2	96.3	NO
6	1,2,3,4,6,7,8-HpCDD	4.05e4	9.15e4	1.04	1.05	NO	0.8987	38.25	38.25	NO	1.000	1.000	49.2	98.4	NO
7	OCDD	6.63e4	1.51e5	0.89	0.85	NO	0.6524	41.31	41.32	NO	1.000	1.000	103	103	NO
8	2,3,7,8-TCDF	2.75e4	3.79e5	0.77	0.78	NO	0.7468	26.03	26.05	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	1.09e5	2.36e5	1.55	1.64	NO	0.8771	29.92	29.93	NO	1.000	1.001	52.0	104	NO
10	2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.55	1.57	NO	0.9621	30.96	30.94	NO	1.001	1.000	49.5	98.9	NO
11	1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.24	1.25	NO	0.9202	33.52	33.53	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.24	1.27	NO	0.9363	33.67	33.67	NO	1.001	1.001	49.5	99.1	NO
13	2,3,4,6,7,8-HxCDF	7.11e4	1.49e5	1.24	1.26	NO	0.9725	34.36	34.36	NO	1.001	1.001	49.0	98.0	NO
14	1,2,3,7,8,9-HxCDF	5.74e4	1.23e5	1.24	1.23	NO	0.9398	35.44	35.44	NO	1.000	1.000	49.6	99.2	NO
15	1,2,3,4,6,7,8-HpCDF	5.64e4	1.10e5	1.04	1.01	NO	1.0481	37.05	37.05	NO	1.000	1.000	48.9	97.7	NO
16	1,1,2,3,4,7,8,9-HpCDF	4.40e4	8.37e4	1.04	1.03	NO	1.0453	38.92	38.92	NO	1.000	1.000	50.3	101	NO



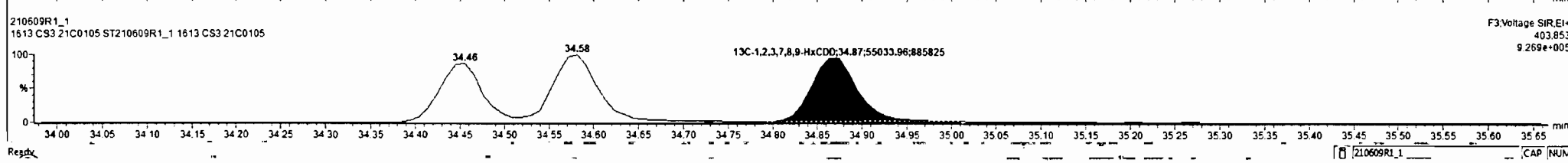
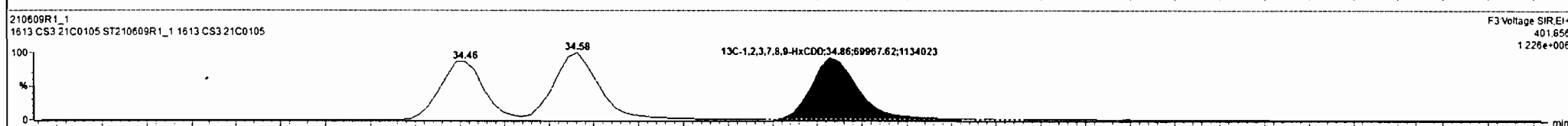
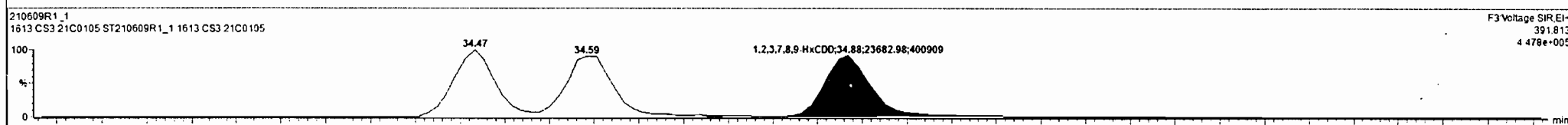
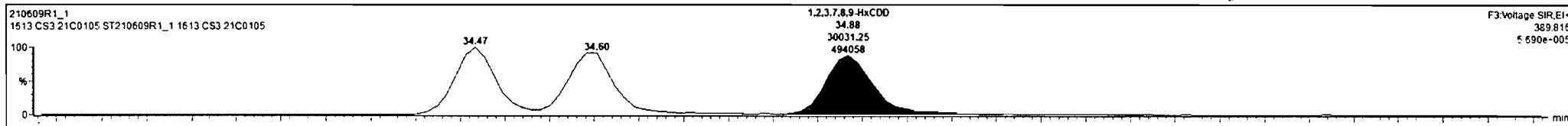
#	Name	Resp	IS Resp	Pred RA	RA	nly	RFP	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	2,3,7,8-TCDD	2.19e4	2.50e5	0.77	0.78	NO	0.9281	26.68	26.68	NO	1.001	1.001	9.42	94.2	NO
2	1,2,3,7,8-PeCDD	6.51e4	1.55e5	0.63	0.61	NO	0.8257	31.14	31.12	NO	1.001	1.000	50.9	102	NO
3	1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.24	1.28	NO	0.9725	34.48	34.47	NO	1.001	1.000	51.8	104	NO
4	1,2,3,6,7,8-HxCDD	5.51e4	1.22e5	1.24	1.25	NO	0.8771	34.60	34.60	NO	1.001	1.001	51.3	103	NO
5	1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.24	1.27	NO	0.8739	34.67	34.68	NO	1.000	1.001	49.2	96.3	NO
6	1,2,3,4,6,7,8-HpCDD	4.05e4	9.15e4	1.04	1.05	NO	0.8967	38.25	38.25	NO	1.000	1.000	49.2	98.4	NO
7	OCDD	6.63e4	1.51e5	0.69	0.65	NO	0.8524	41.31	41.32	NO	1.000	1.000	103	103	NO
8	2,3,7,8-TCDF	2.75e4	3.79e5	0.77	0.78	NO	0.7466	26.03	26.05	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	1.09e5	2.38e5	1.55	1.64	NO	0.8771	29.92	29.93	NO	1.000	1.001	52.0	104	NO
10	2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.55	1.57	NO	0.9621	30.96	30.94	NO	1.001	1.000	49.5	98.9	NO
11	1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.24	1.25	NO	0.9202	33.52	33.53	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.24	1.27	NO	0.9363	33.67	33.67	NO	1.001	1.001	49.5	99.1	NO
13	2,3,4,6,7,8-HxCDF	7.11e4	1.49e5	1.24	1.26	NO	0.9725	34.36	34.36	NO	1.001	1.001	49.0	98.0	NO
14	1,2,3,7,8,9-HxCDF	5.74e4	1.23e5	1.24	1.23	NO	0.9398	35.44	35.44	NO	1.000	1.000	49.8	99.2	NO
15	1,2,3,4,6,7,8-HpCDF	5.64e4	1.10e5	1.04	1.01	NO	1.0461	37.05	37.05	NO	1.000	1.000	48.9	97.7	NO
16	1,2,3,4,7,8,9-HpCDF	4.40e4	8.37e4	1.04	1.03	NO	1.0453	38.92	38.92	NO	1.000	1.000	50.3	101	NO





210609R1\_1 - ST210609R1\_1 1613 CS3 21C0105 - 1613 CS3 21C0105

#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	2.19e4	2.50e5	0.77	0.78	NO	0.9291	26.68	26.88	NO	1.001	1.031	9.42	94.2	NO
2	1,2,3,7,8-PeCDD	6.51e4	1.55e5	0.63	0.61	NO	0.6257	31.14	31.12	NO	1.001	1.000	50.9	102	NO
3	1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.24	1.26	NO	0.9725	34.48	34.47	NO	1.001	1.000	51.8	104	NO
4	1,2,3,6,7,8-HxCDD	5.51e4	1.22e5	1.24	1.25	NO	0.8771	34.60	34.60	NO	1.001	1.001	51.3	103	NO
5	1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.24	1.27	NO	0.8739	34.87	34.88	NO	1.000	1.001	49.2	96.3	NO
6	1,2,3,4,6,7,8-HpCDD	4.05e4	9.15e4	1.04	1.05	NO	0.6967	38.25	38.25	NO	1.000	1.000	49.2	98.4	NO
7	OCDD	6.63e4	1.51e5	0.89	0.85	NO	0.6524	41.31	41.32	NO	1.003	1.000	103	103	NO
8	2,3,7,8-TCDF	2.75e4	3.79e5	0.77	0.78	NO	0.7466	26.03	26.05	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	1.05e5	2.38e5	1.55	1.64	NO	0.6771	29.92	29.93	NO	1.000	1.001	52.0	104	NO
10	1,2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.55	1.57	NO	0.9621	30.96	30.94	NO	1.001	1.000	49.5	98.9	NO
11	1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.24	1.25	NO	0.5202	33.52	33.53	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.24	1.27	NO	0.9363	33.67	33.67	NO	1.001	1.001	49.5	99.1	NO
13	1,2,3,4,6,7,8-HxCDF	7.11e4	1.49e5	1.24	1.26	NO	0.5725	34.36	34.36	NO	1.001	1.001	49.0	98.0	NO
14	1,2,3,7,8,9-HxCDF	5.74e4	1.23e5	1.24	1.23	NO	0.9396	35.44	35.44	NO	1.000	1.000	49.8	99.2	NO
15	1,2,3,4,6,7,8-HpCDF	5.64e4	1.10e5	1.04	1.01	NO	1.0481	37.05	37.05	NO	1.000	1.000	48.9	97.7	NO
16	1,2,3,4,7,8,9-HpCDF	4.40e4	0.87e4	1.04	1.03	NO	1.0453	38.92	38.92	NO	1.000	1.000	50.3	101	NO



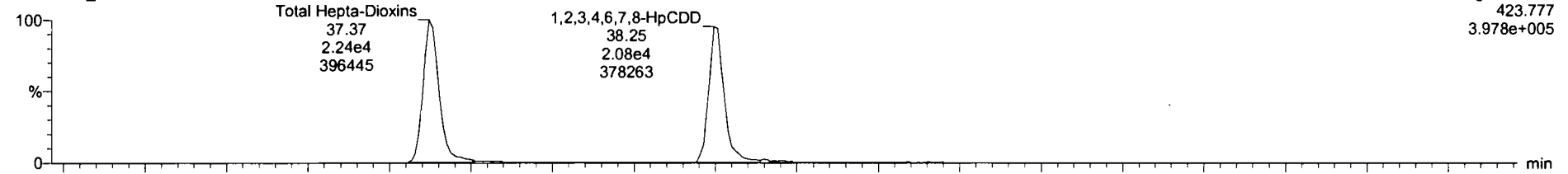
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Last Altered: Monday, June 14, 2021 16:36:33 Pacific Daylight Time  
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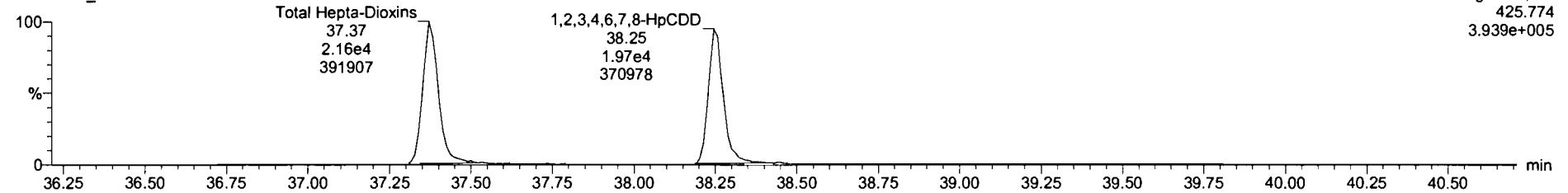
Name: 210609R1\_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

**1,2,3,4,6,7,8-HpCDD**

210609R1\_1

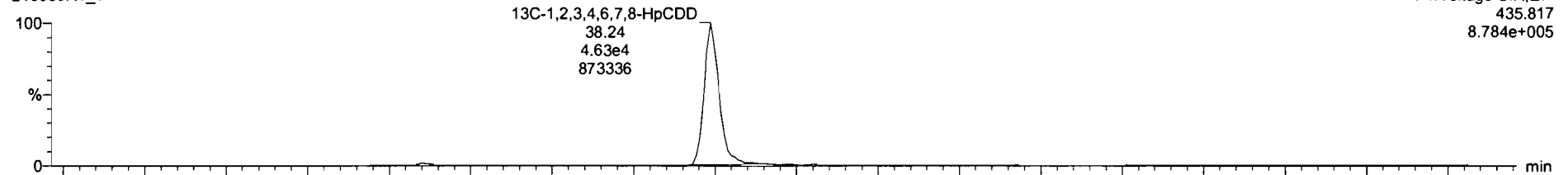


210609R1\_1

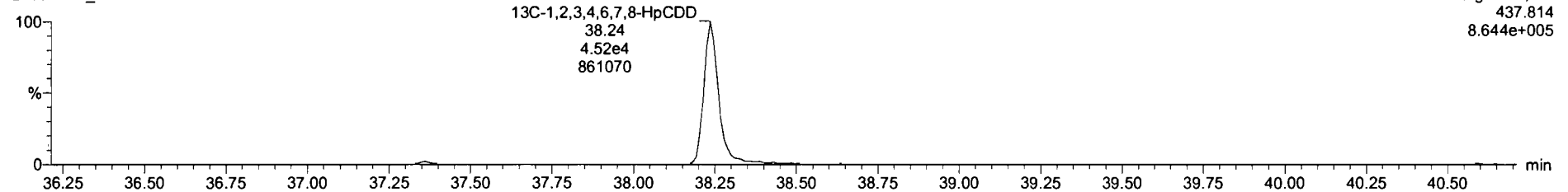


**13C-1,2,3,4,6,7,8-HpCDD**

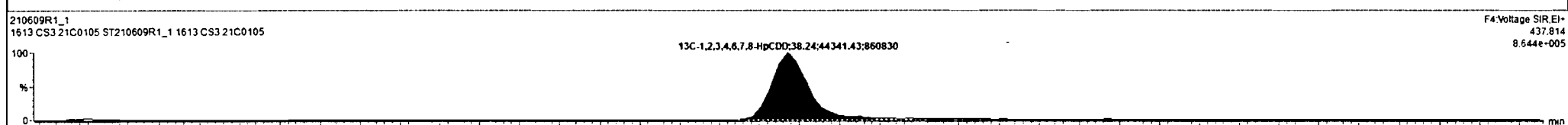
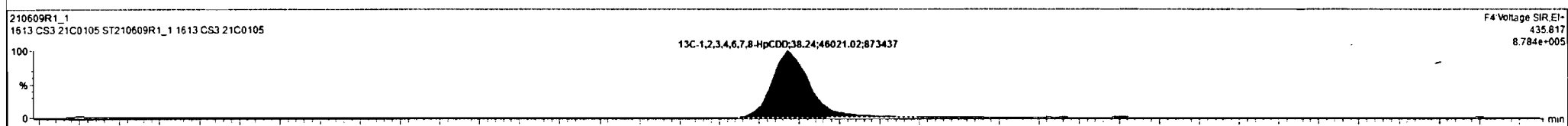
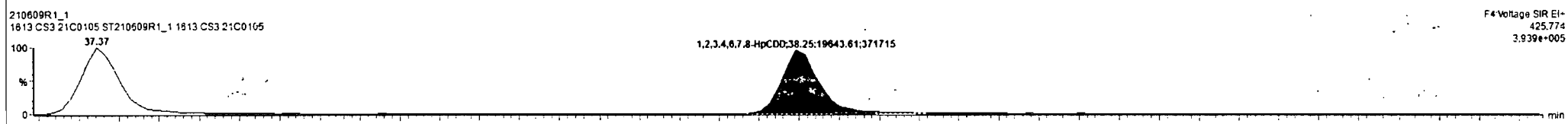
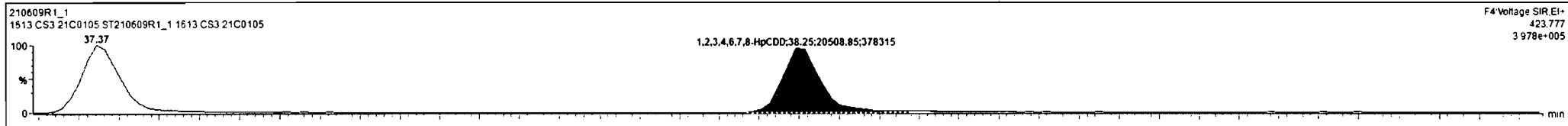
210609R1\_1



210609R1\_1



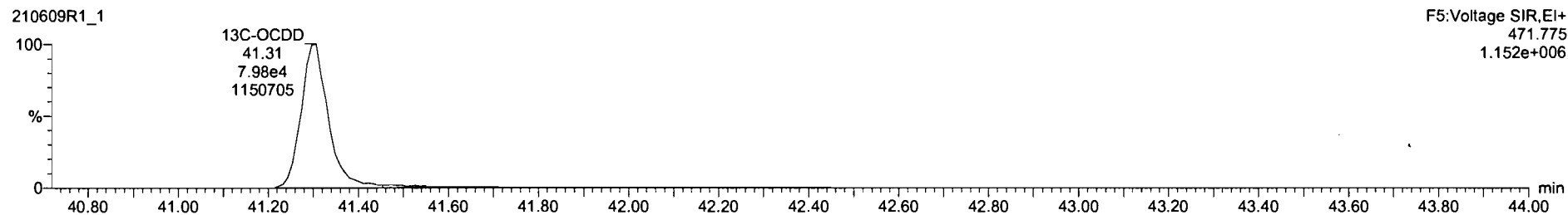
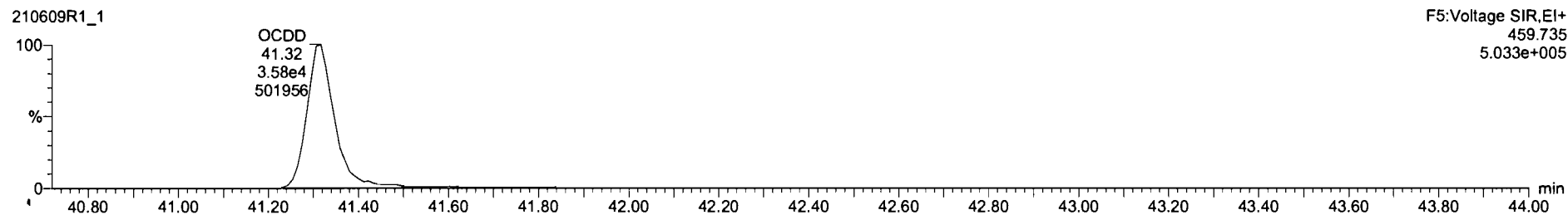
#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	1,2,3,7,8-TCDD	2.19e4	2.55e5	0.77	0.78	NO	0.9291	26.68	26.68	NO	1.001	1.001	9.42	94.2	NO
2	1,2,3,7,8-PeCDD	6.51e4	1.55e5	0.63	0.61	NO	0.8257	31.14	31.12	NO	1.001	1.000	50.9	102	NO
3	1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.24	1.26	NO	0.9725	34.48	34.47	NO	1.001	1.000	51.8	104	NO
4	1,2,3,6,7,8-HxCDD	5.51e4	1.22e5	1.24	1.25	NO	0.8771	34.60	34.60	NO	1.001	1.001	51.3	103	NO
5	1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.24	1.27	NO	0.8739	34.87	34.68	NO	1.000	1.001	49.2	96.3	NO
6	1,2,3,4,6,7,8-HpCDD	4.02e4	9.04e4	1.04	1.04	NO	0.8987	38.25	38.25	NO	1.000	1.000	48.4	96.9	NO
7	OCDD	6.63e4	1.51e5	0.89	0.85	NO	0.8524	41.31	41.32	NO	1.000	1.000	103	103	NO
8	2,3,7,8-TCDF	2.75e4	3.79e5	0.77	0.78	NO	0.7466	26.03	26.05	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	1.05e5	2.38e5	1.55	1.64	NO	0.8771	29.92	29.93	NO	1.000	1.001	52.0	104	NO
10	2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.55	1.57	NO	0.9621	30.96	30.94	NO	1.001	1.000	49.5	96.9	NO
11	1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.24	1.25	NO	0.9202	33.52	33.53	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.24	1.27	NO	0.9363	33.67	33.67	NO	1.001	1.001	49.5	99.1	NO
13	2,3,4,6,7,8-HxCDF	7.11e4	1.49e5	1.24	1.26	NO	0.9725	34.36	34.36	NO	1.001	1.001	48.0	98.0	NO
14	1,2,3,7,8,9-HxCDF	5.74e4	1.23e5	1.24	1.23	NO	0.9396	35.44	35.44	NO	1.000	1.000	49.6	99.2	NO
15	1,2,3,4,6,7,8-HpCDF	5.64e4	1.10e5	1.04	1.01	NO	1.0481	37.05	37.05	NO	1.000	1.000	48.9	97.7	NO
16	1,2,3,4,7,8,9-HpCDF	4.40e4	8.37e4	1.04	1.03	NO	1.0453	38.92	38.92	NO	1.000	1.000	50.3	101	NO



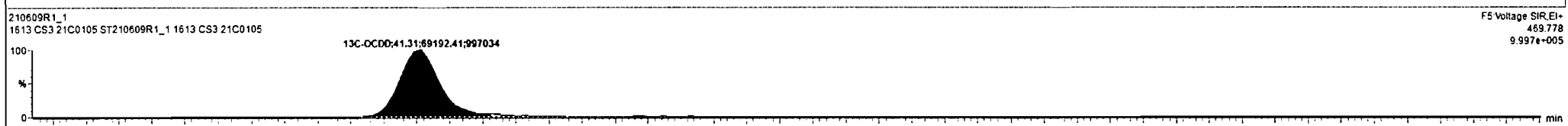
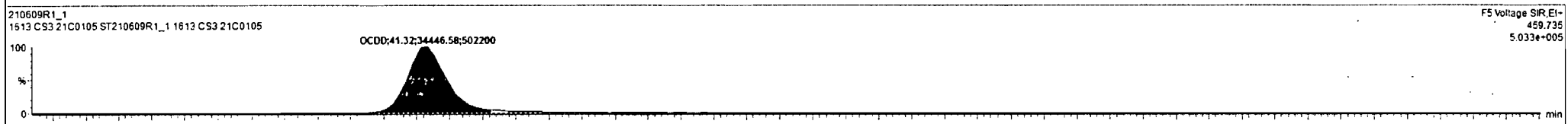
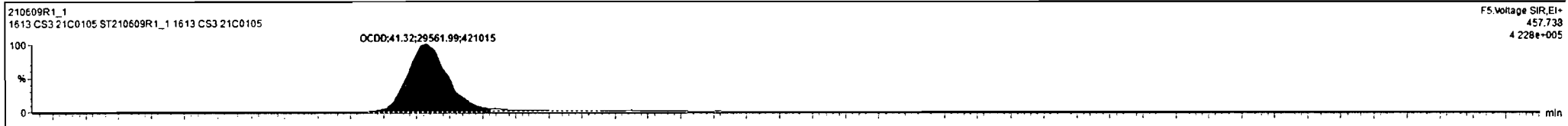
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Printed: Monday, June 14, 2021 16:36:42 Pacific Daylight Time

Name: 210609R1\_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105



#	Name	Reso	IS Resp	Pred RA	RA	nY	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	1,2,3,7,8-TCDD	2.19e4	2.50e5	0.77	0.78	NO	0.9291	26.68	26.68	NO	1.001	1.001	9.42	94.2	NO
2	1,2,3,7,8-PeCDD	6.51e4	1.55e5	0.63	0.61	NO	0.8257	31.14	31.12	NO	1.001	1.000	50.9	102	NO
3	1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.24	1.26	NO	0.9725	34.48	34.47	NO	1.001	1.000	51.8	104	NO
4	1,2,3,6,7,8-HxCDD	5.51e4	1.22e5	1.24	1.25	NO	0.8771	34.60	34.60	NO	1.001	1.001	51.2	102	NO
5	1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.24	1.27	NO	0.8739	34.67	34.68	NO	1.000	1.001	45.2	98.3	NO
6	1,2,3,4,6,7,8-HpCDD	4.02e4	9.04e4	1.04	1.04	NO	0.8987	36.25	36.25	NO	1.000	1.000	49.4	98.9	NO
7	OCDD	6.40e4	1.48e5	0.89	0.86	NO	0.8524	41.31	41.32	NO	1.000	1.000	102	102	NO
8	2,3,7,8-TCDF	2.75e4	3.79e5	0.77	0.78	NO	0.7466	26.03	26.05	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	1.09e5	2.38e5	1.55	1.64	NO	0.8771	29.92	29.93	NO	1.000	1.001	52.0	104	NO
10	1,2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.55	1.57	NO	0.9621	30.96	30.94	NO	1.001	1.000	49.5	98.9	NO
11	1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.24	1.25	NO	0.8202	33.52	33.53	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.24	1.27	NO	0.9363	33.67	33.67	NO	1.001	1.001	49.5	99.1	NO
13	2,3,4,6,7,8-HxCDF	7.11e4	1.49e5	1.24	1.26	NO	0.9725	34.36	34.36	NO	1.001	1.001	49.0	98.0	NO
14	1,2,3,7,8,9-HxCDF	5.74e4	1.23e5	1.24	1.23	NO	0.9396	35.44	35.44	NO	1.000	1.000	49.8	99.2	NO
15	1,2,3,4,6,7,8-HpCDF	5.64e4	1.10e5	1.04	1.01	NO	1.0461	37.05	37.05	NO	1.000	1.000	48.9	97.7	NO
16	1,2,3,4,7,8,9-HpCDF	4.40e4	6.37e4	1.04	1.03	NO	1.0453	38.92	38.92	NO	1.000	1.000	50.3	101	NO

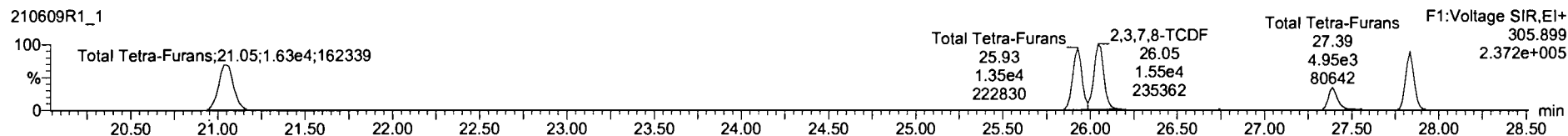
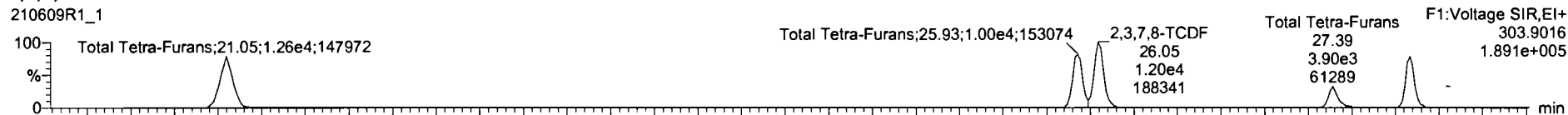


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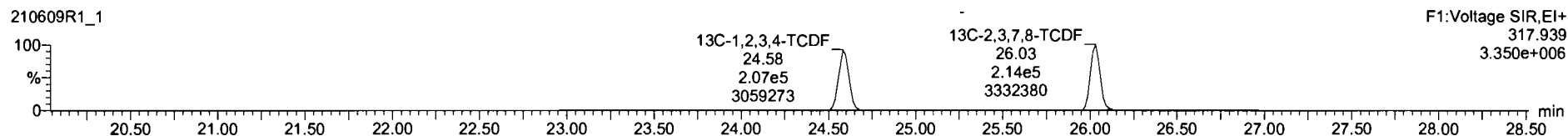
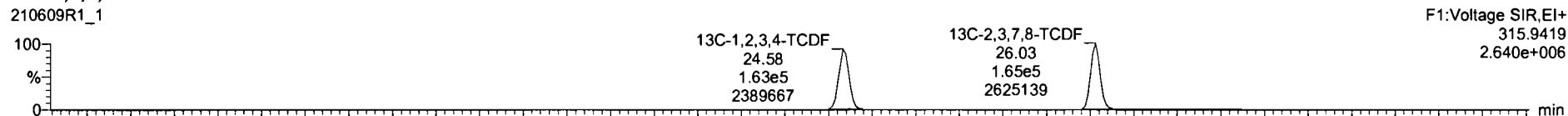
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Printed: Monday, June 14, 2021 16:36:42 Pacific Daylight Time

Name: 210609R1\_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

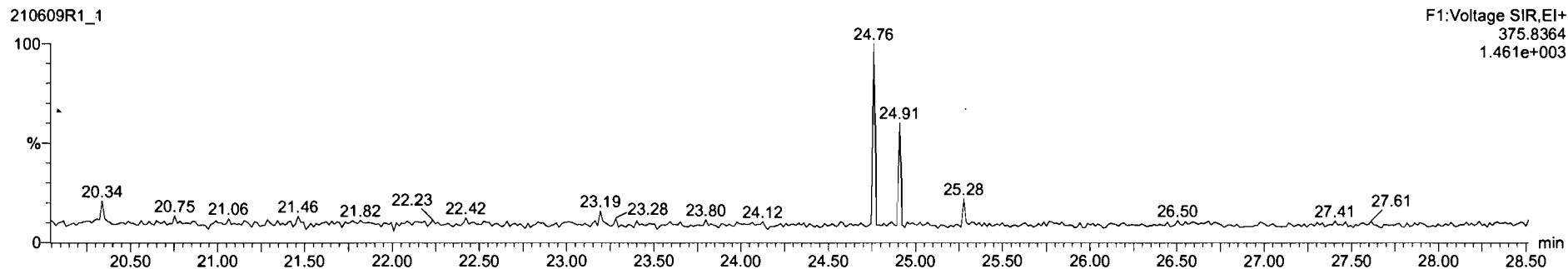
**2,3,7,8-TCDF**



**13C-2,3,7,8-TCDF**



**DPE1**



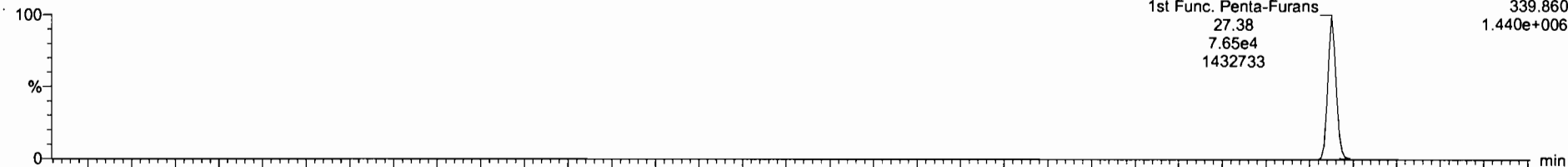
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Printed: Monday, June 14, 2021 16:36:42 Pacific Daylight Time

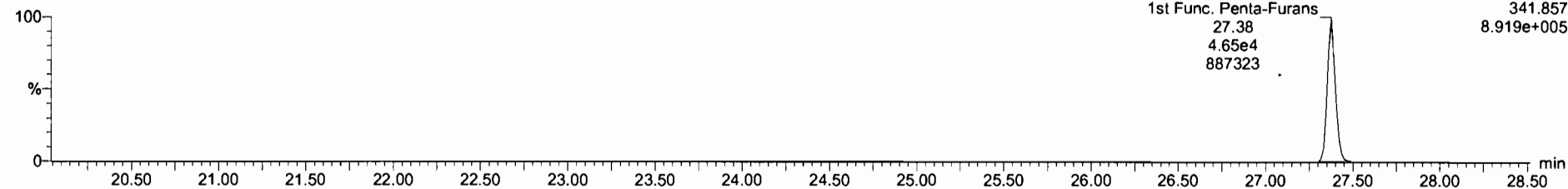
Name: 210609R1\_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1st Func. Penta-Furans

210609R1\_1

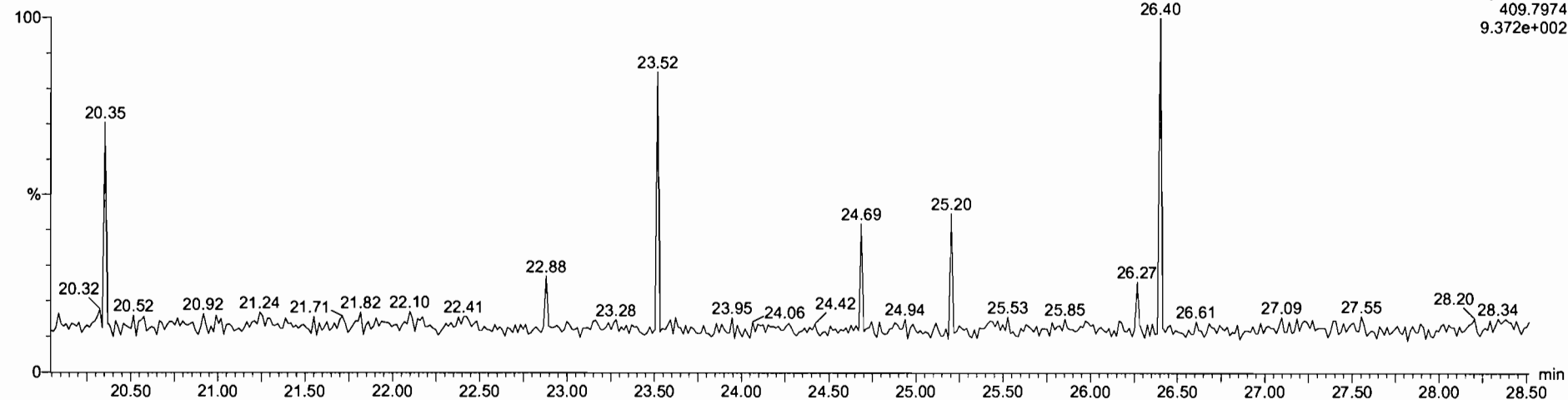


210609R1\_1



DPE6

210609R1\_1



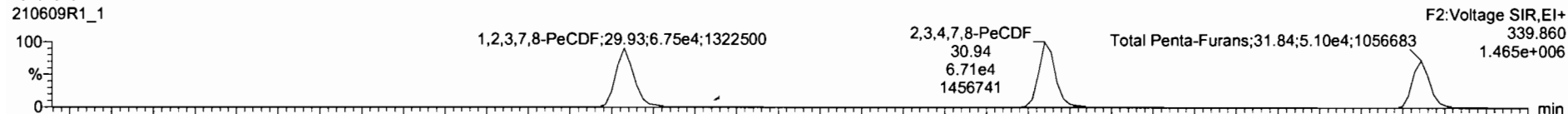
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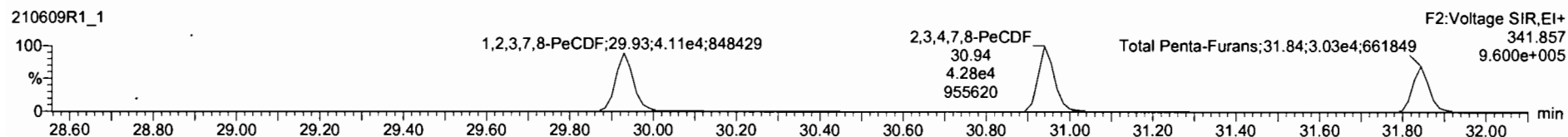
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**1,2,3,7,8-PeCDF**

210609R1\_1

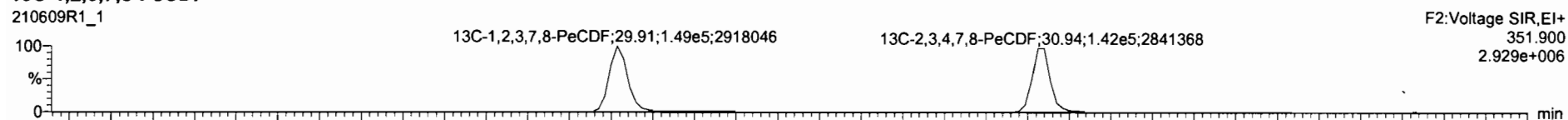


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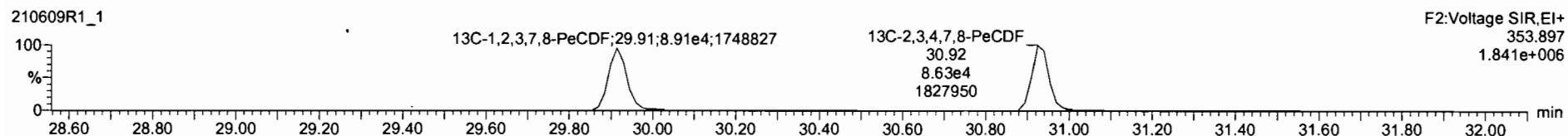


**13C-1,2,3,7,8-PeCDF**

210609R1\_1

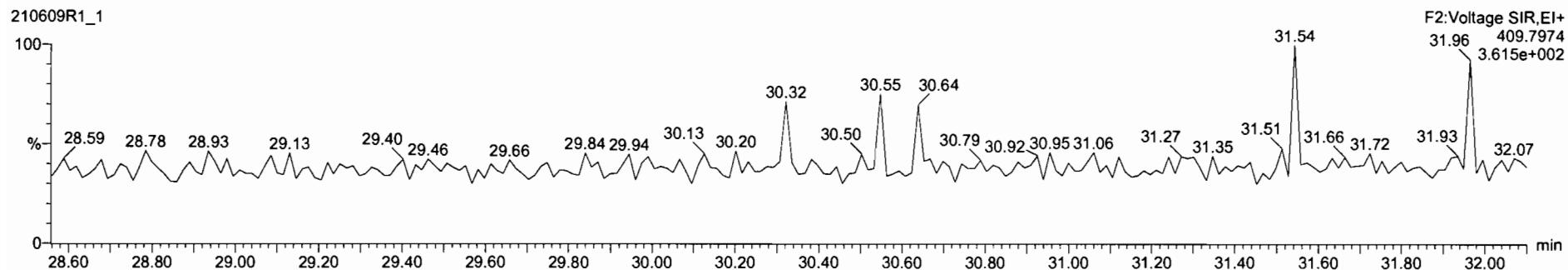


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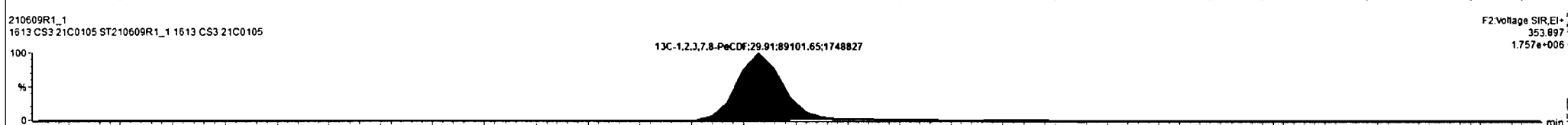
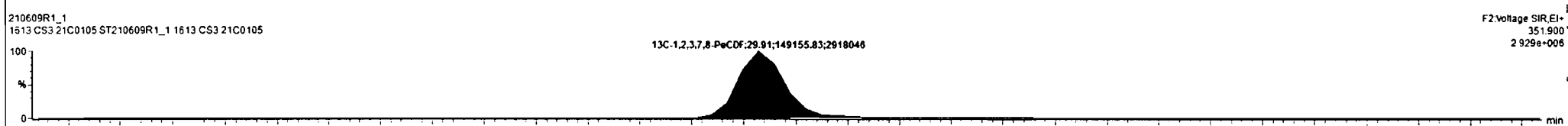
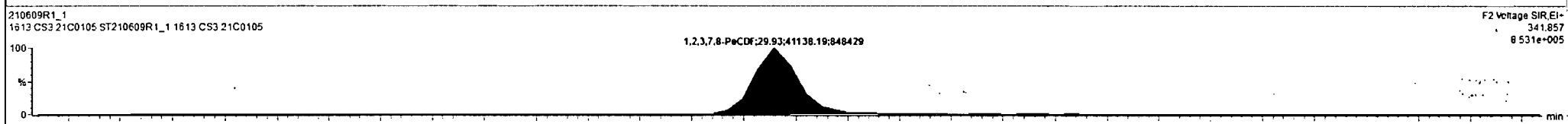
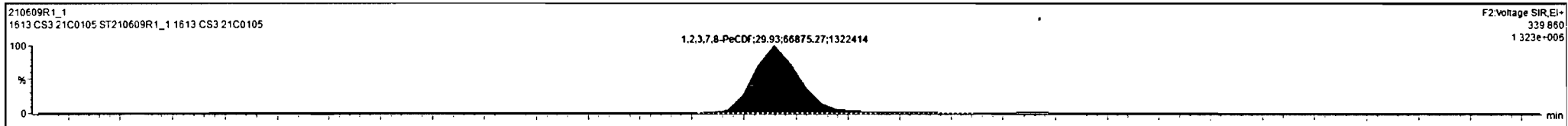
**DPE2**

210609R1\_1





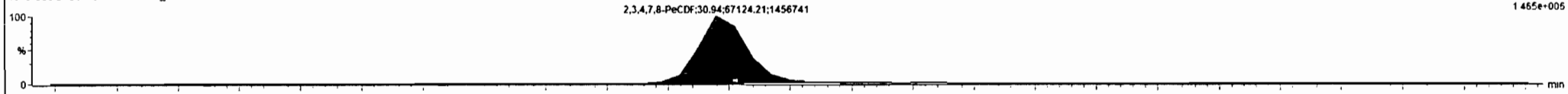
#	Name	Resp	IS Resp	Pred RA	RA	nY	RRF	Pred RT	RT	RT Flag	Pred RRT	r RRT	Conc.	%Rec	STD out
1	1,2,3,7,8-TCDD	2.19e4	2.50e5	0.77	0.78	NO	0.9291	26.68	29.68	NO	1.001	1.001	9.42	94.2	NO
2	1,2,3,7,8-PeCDD	6.51e4	1.55e5	0.63	0.61	NO	0.8257	31.14	31.12	NO	1.001	1.000	50.9	102	NO
3	1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.24	1.26	NO	0.9725	34.48	34.47	NO	1.001	1.000	51.8	104	NO
4	1,2,3,6,7,8-HxCDD	5.51e4	1.22e5	1.24	1.25	NO	0.8771	34.60	34.60	NO	1.001	1.001	51.3	102	NO
5	1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.24	1.27	NO	0.8739	34.87	34.88	NO	1.000	1.001	49.2	98.3	NO
6	1,2,3,4,6,7,8-HpCDD	4.02e4	9.04e4	1.04	1.04	NO	0.8987	38.25	38.25	NO	1.000	1.000	49.4	98.9	NO
7	OCDD	6.40e4	1.48e5	0.89	0.86	NO	0.8524	41.31	41.32	NO	1.000	1.000	102	102	NO
8	2,3,7,8-TCDF	2.75e4	3.79e5	0.77	0.78	NO	0.7466	26.03	28.05	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	1.08e5	2.38e5	1.55	1.83	NO	0.8771	29.92	29.93	NO	1.000	1.001	51.7	103	NO
10	2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.55	1.57	NO	0.9621	30.96	30.94	NO	1.001	1.000	49.5	98.9	NO
11	1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.24	1.25	NO	0.8202	33.52	33.53	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.24	1.27	NO	0.9363	33.67	33.67	NO	1.001	1.001	49.5	99.1	NO
13	2,3,4,6,7,8-HxCDF	7.11e4	1.49e5	1.24	1.26	NO	0.9725	34.36	34.36	NO	1.001	1.001	49.0	98.0	NO
14	1,2,3,7,8,9-HxCDF	5.74e4	1.23e5	1.24	1.23	NO	0.9398	35.44	35.44	NO	1.000	1.000	49.6	99.2	NO
15	1,2,3,4,6,7,8-HpCDF	5.64e4	1.10e5	1.04	1.01	NO	1.0481	37.05	37.05	NO	1.000	1.000	48.9	97.7	NO
16	1,2,3,4,7,8,9-HpCDF	4.40e4	8.37e4	1.04	1.03	NO	1.0453	38.92	38.92	NO	1.000	1.000	50.3	101	NO



#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	2,3,7,8-TCDD	2.19e4	2.50e5	0.77	0.78	NO	0.9291	26.68	26.68	NO	1.001	1.001	9.42	94.2	NO
2	1,2,3,7,8-PeCDD	6.51e4	1.55e5	0.63	0.61	NO	0.8257	31.14	31.12	NO	1.001	1.000	50.9	102	NO
3	1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.24	1.26	NO	0.9725	34.48	34.47	NO	1.001	1.000	51.8	104	NO
4	1,2,3,6,7,8-HxCDD	5.51e4	1.22e5	1.24	1.25	NO	0.8771	34.60	34.60	NO	1.001	1.001	51.3	103	NO
5	1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.24	1.27	NO	0.8739	34.87	34.88	NO	1.000	1.001	49.2	96.3	NO
6	1,2,3,4,6,7,8-HpCDD	4.02e4	9.04e4	1.04	1.04	NO	0.8987	38.25	38.25	NO	1.000	1.000	49.4	98.9	NO
7	OCDD	6.40e4	1.48e5	0.89	0.86	NO	0.8524	41.31	41.32	NO	1.000	1.000	102	102	NO
8	2,3,7,8-TCDF	2.75e4	3.79e5	0.77	0.78	NO	0.7466	26.03	26.05	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	1.08e5	2.38e5	1.55	1.63	NO	0.8771	29.92	29.93	NO	1.000	1.001	51.7	103	NO
10	2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.55	1.57	NO	0.9621	30.96	30.94	NO	1.001	1.000	49.5	98.9	NO
11	1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.24	1.25	NO	0.8202	33.52	33.53	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.24	1.27	NO	0.9363	33.67	33.67	NO	1.001	1.001	49.5	99.1	NO
13	2,3,4,6,7,8-HxCDF	7.11e4	1.49e5	1.24	1.26	NO	0.9725	34.36	34.36	NO	1.001	1.001	49.0	98.0	NO
14	1,2,3,7,8,9-HxCDF	5.74e4	1.23e5	1.24	1.23	NO	0.9398	35.44	35.44	NO	1.000	1.000	49.6	99.2	NO
15	1,2,3,4,6,7,8-HpCDF	5.84e4	1.10e5	1.04	1.01	NO	1.0481	37.05	37.05	NO	1.000	1.000	48.9	97.7	NO
16	1,2,3,4,7,8,9-HpCDF	4.40e4	8.37e4	1.04	1.03	NO	1.0453	38.92	38.92	NO	1.000	1.000	50.3	101	NO

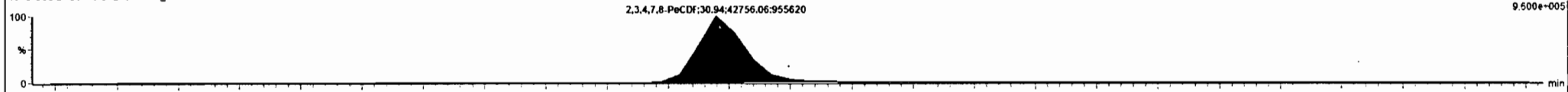
210609R1\_1  
1613 CS3 21C0105 ST210609R1\_1 1613 CS3 21C0105

F2:Voltage SIR.EI+  
339.860  
1.465e+005



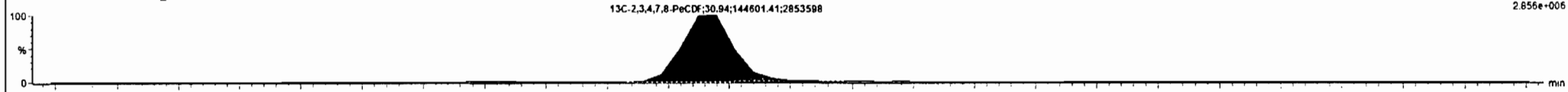
210609R1\_1  
1613 CS3 21C0105 ST210609R1\_1 1613 CS3 21C0105

F2:Voltage SIR.EI+  
341.857  
9.600e+005



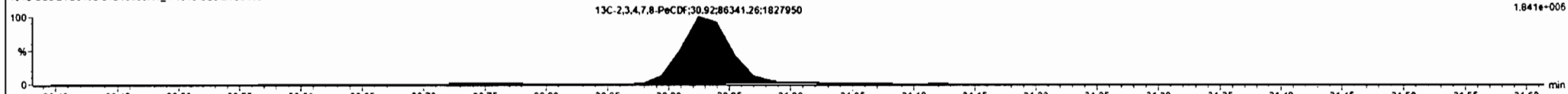
210609R1\_1  
1613 CS3 21C0105 ST210609R1\_1 1613 CS3 21C0105

F2:Voltage SIR.EI+  
351.900  
2.856e+005



210609R1\_1  
1613 CS3 21C0105 ST210609R1\_1 1613 CS3 21C0105

F2:Voltage SIR.EI+  
353.897  
1.841e+005



Ready

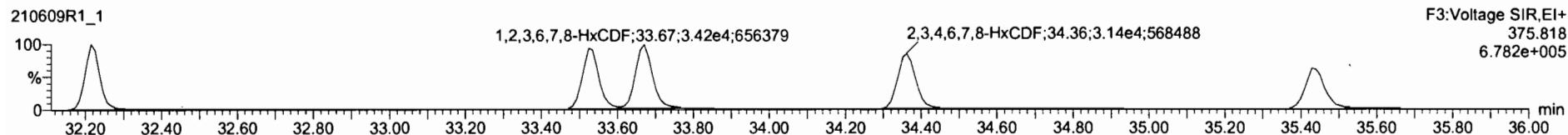
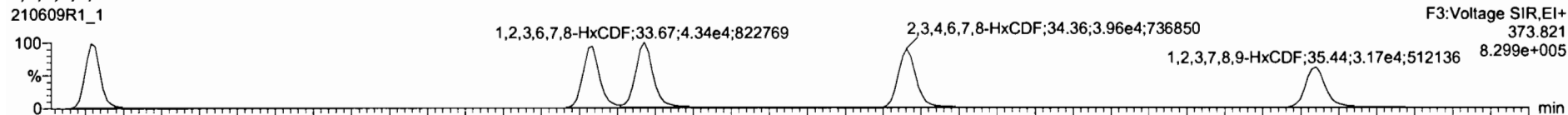
210609R1\_1 [CAP] NUM

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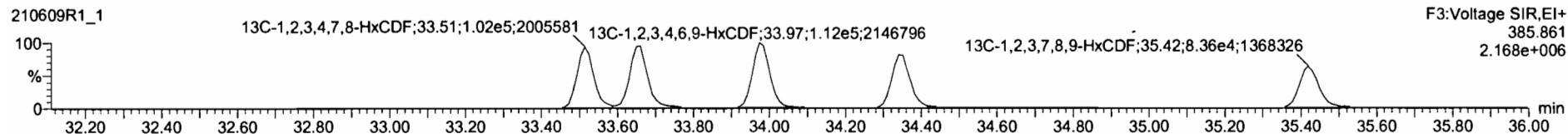
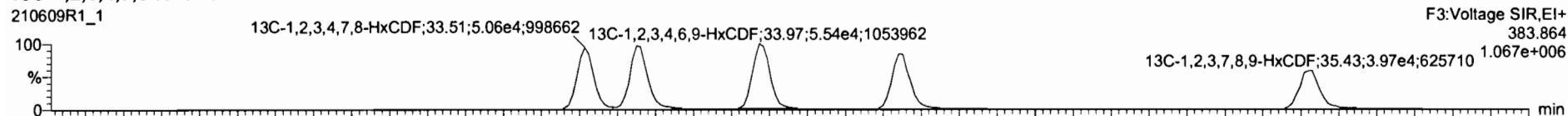
Last Altered: Monday, June 14, 2021 16:36:33 Pacific Daylight Time  
Printed: Monday, June 14, 2021 16:36:42 Pacific Daylight Time

Name: 210609R1\_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

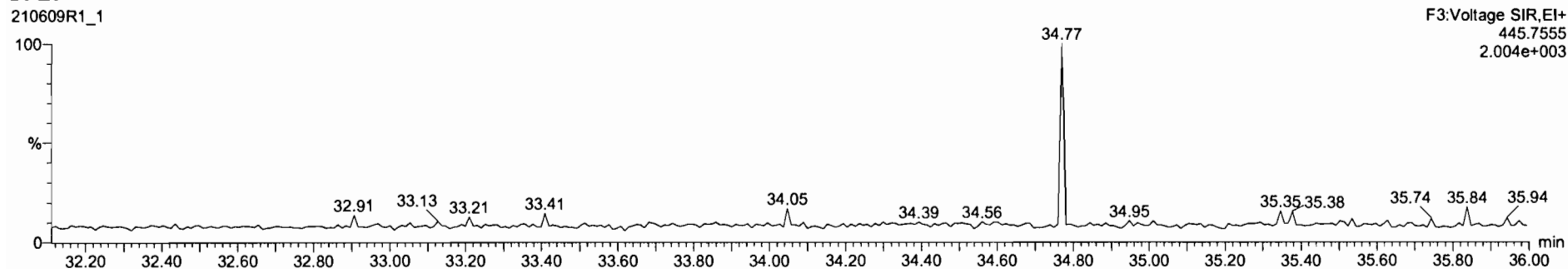
**1,2,3,4,7,8-HxCDF**



**13C-1,2,3,4,7,8-HxCDF**

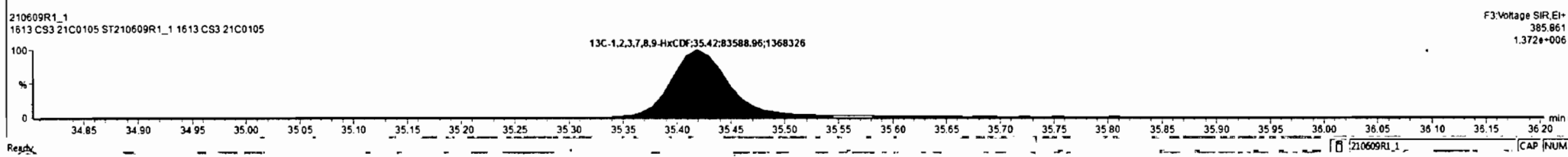
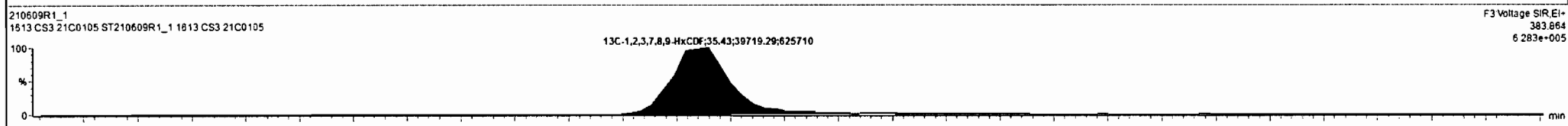
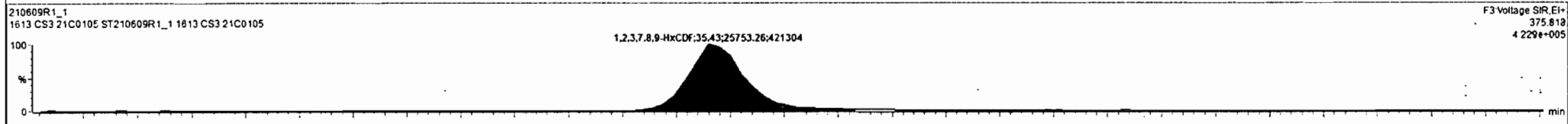
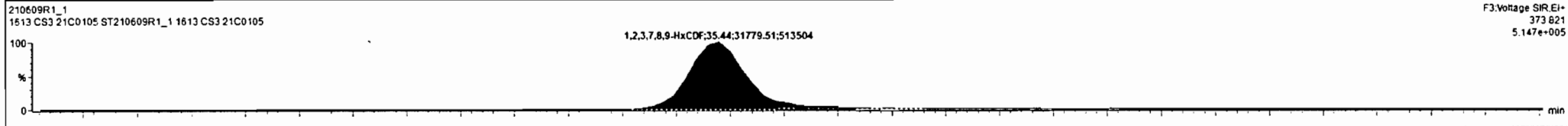


**DPE3**



210609R1\_1 - ST210609R1\_1 1613 CS3 21C0105 - 1613 CS3 21C0105

#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	2.19e4	2.50e5	0.77	0.78	NO	0.9291	26.68	26.68	NO	1.001	1.001	9.42	94.2	NO
2	1,2,3,7,8-PeCDD	6.51e4	1.55e5	0.63	0.61	NO	0.8257	31.14	31.12	NO	1.001	1.000	50.9	102	NO
3	1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.24	1.25	NO	0.9725	34.48	34.47	NO	1.001	1.000	51.8	104	NO
4	1,2,3,6,7,8-HxCDD	5.51e4	1.22e5	1.24	1.25	NO	0.8771	34.60	34.60	NO	1.001	1.001	51.3	103	NO
5	1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.24	1.27	NO	0.8739	34.87	34.88	NO	1.000	1.001	49.2	98.3	NO
6	1,2,3,4,6,7,8-HpCDD	4.02e4	9.04e4	1.04	1.04	NO	0.8967	38.25	38.25	NO	1.000	1.000	49.4	98.9	NO
7	OCDD	6.40e4	1.42e5	0.89	0.86	NO	0.8524	41.31	41.32	NO	1.000	1.000	102	102	NO
8	2,3,7,8-TCDF	2.75e4	3.79e5	0.77	0.78	NO	0.7468	26.03	26.05	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	1.08e5	2.38e5	1.55	1.63	NO	0.8771	29.92	29.93	NO	1.000	1.001	51.7	103	NO
10	2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.55	1.57	NO	0.9621	30.96	30.94	NO	1.001	1.000	49.5	98.9	NO
11	1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.24	1.25	NO	0.9202	33.52	33.53	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.24	1.27	NO	0.9363	33.67	33.67	NO	1.001	1.001	49.5	99.1	NO
13	2,3,4,6,7,8-HxCDF	7.11e4	1.49e5	1.24	1.26	NO	0.9725	34.36	34.36	NO	1.001	1.001	49.0	98.0	NO
14	1,2,3,7,8,9-HxCDF	5.75e4	1.23e5	1.24	1.23	NO	0.9398	35.44	35.44	NO	1.000	1.000	49.7	99.3	NO
15	1,2,3,4,6,7,8-HpCDF	5.64e4	1.10e5	1.04	1.01	NO	1.0481	37.05	37.05	NO	1.000	1.000	48.9	97.7	NO
16	1,2,3,4,7,8,9-HpCDF	4.40e4	8.37e4	1.04	1.03	NO	1.0453	38.92	38.92	NO	1.000	1.000	50.3	101	NO

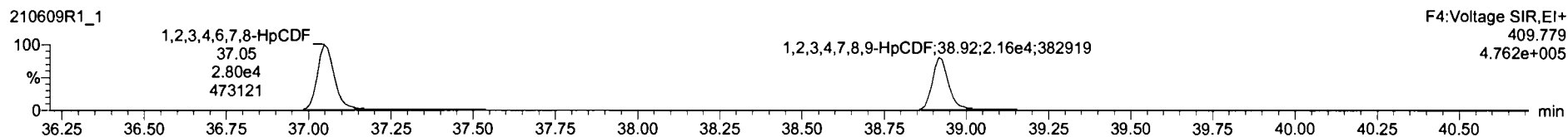
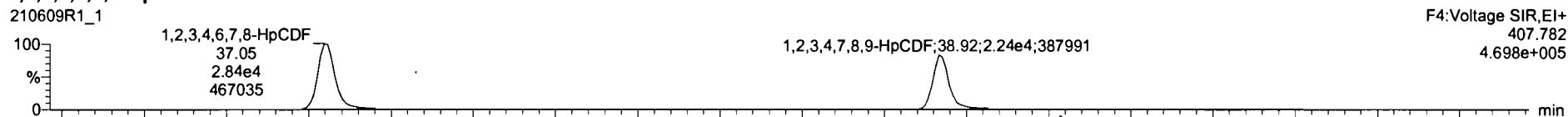


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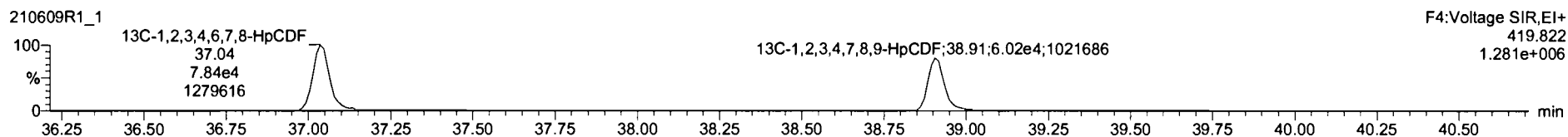
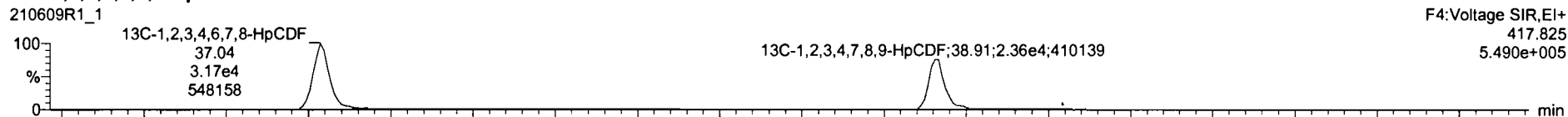
Last Altered: Monday, June 14, 2021 16:36:33 Pacific Daylight Time  
Printed: Monday, June 14, 2021 16:36:42 Pacific Daylight Time

Name: 210609R1\_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

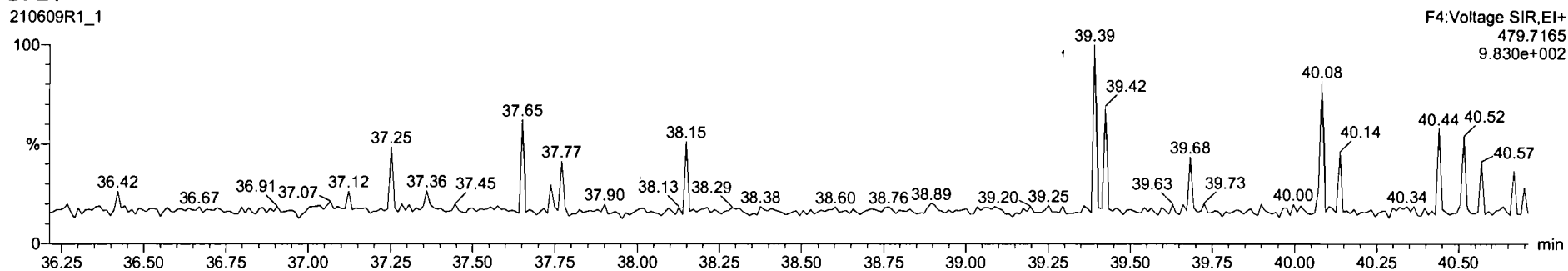
**1,2,3,4,6,7,8-HpCDF**



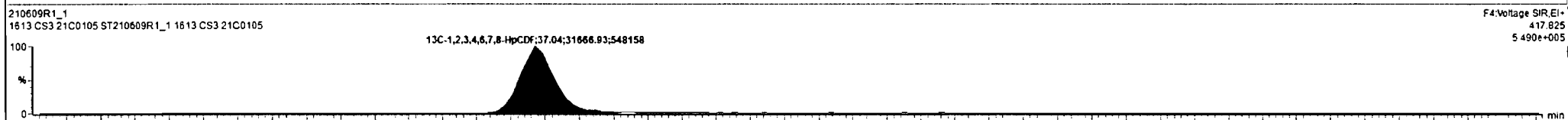
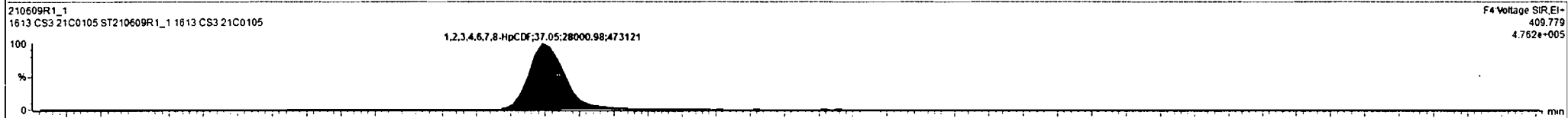
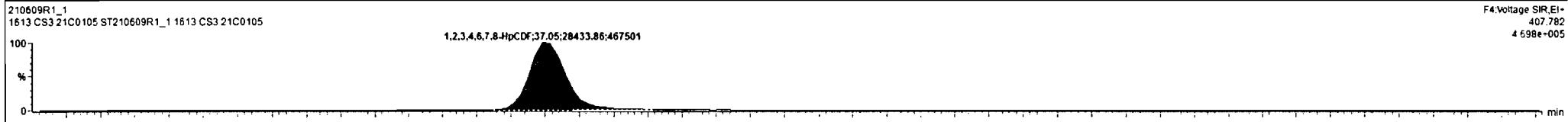
**13C-1,2,3,4,6,7,8-HpCDF**



**DPE4**

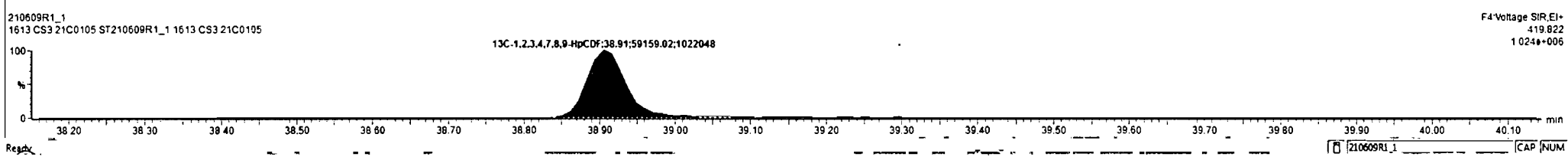
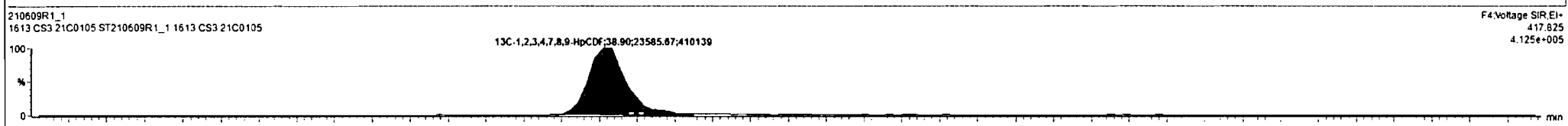
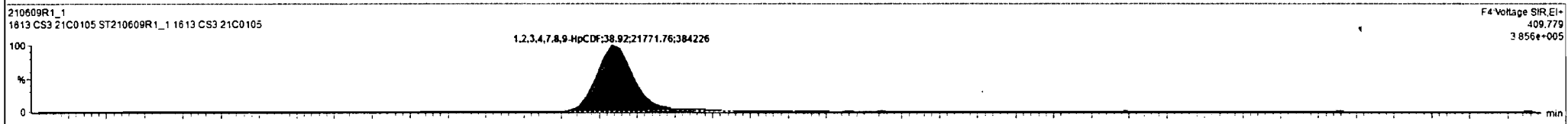
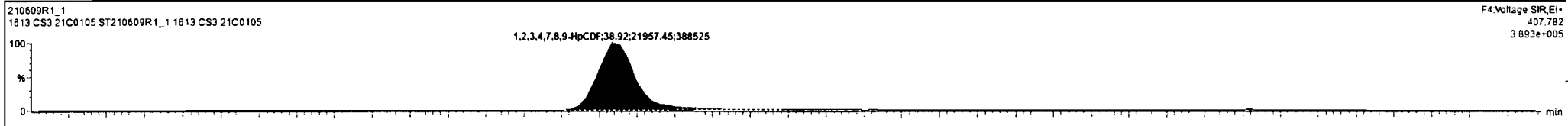


#	Name	Resp	S Resp	Pred RA	RA	iv	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	2.19e4	2.50e5	0.77	0.78	NO	0.9291	26.68	26.68	NO	1.001	1.001	9.42	94.2	NO
2	1,2,3,7,8-PeCDD	6.51e4	1.55e5	0.63	0.61	NO	0.8257	31.14	31.12	NO	1.001	1.000	50.9	102	NO
3	1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.24	1.26	NO	0.9725	34.48	34.47	NO	1.001	1.000	51.8	104	NO
4	1,2,3,6,7,8-HxCDD	5.51e4	1.22e5	1.24	1.25	NO	0.8771	34.80	34.60	NO	1.001	1.001	51.3	103	NO
5	1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.24	1.27	NO	0.6739	34.87	34.68	NO	1.000	1.001	49.2	96.3	NO
6	1,2,3,4,6,7,8-HpCDD	4.02e4	9.04e4	1.04	1.04	NO	0.8987	38.25	38.25	NO	1.000	1.000	49.4	98.9	NO
7	OCDD	6.40e4	1.48e5	0.89	0.86	NO	0.8524	41.31	41.32	NO	1.000	1.000	102	102	NO
8	2,3,7,8-TCDF	2.75e4	3.79e5	0.77	0.78	NO	0.7466	26.03	26.05	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	1.08e5	2.38e5	1.55	1.63	NO	0.8771	29.92	29.93	NO	1.000	1.001	51.7	103	NO
10	2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.55	1.57	NO	0.9621	30.96	30.94	NO	1.001	1.000	49.5	98.9	NO
11	1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.24	1.25	NO	0.5202	33.52	33.53	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.24	1.27	NO	0.9363	33.67	33.67	NO	1.001	1.001	49.5	99.1	NO
13	2,3,4,6,7,8-HxCDF	7.11e4	1.49e5	1.24	1.26	NO	0.9725	34.36	34.36	NO	1.001	1.001	49.0	98.0	NO
14	1,2,3,7,8,9-HxCDF	5.75e4	1.22e5	1.24	1.23	NO	0.9398	35.44	35.44	NO	1.000	1.000	49.7	99.3	NO
15	1,2,3,4,6,7,8-HpCDF	5.84e4	1.08e5	1.04	1.02	NO	1.0481	37.05	37.05	NO	1.000	1.000	49.8	99.6	NO
16	1,2,3,4,7,8,9-HpCDF	4.40e4	8.37e4	1.04	1.03	NO	1.0453	38.92	38.92	NO	1.000	1.000	50.3	101	NO



Ready [ 210609R1\_1 ] CAP NUM

#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	2.19e4	2.50e5	0.77	0.78	NO	0.9291	26.68	26.68	NO	1.001	1.001	9.42	94.2	NO
2	1,2,3,7,8-PeCDD	6.51e4	1.55e5	0.83	0.81	NO	0.8257	31.14	31.12	NO	1.001	1.000	50.9	102	NO
3	1,2,3,4,7,8-HxCDD	5.32e4	1.05e5	1.24	1.26	NO	0.9725	34.48	34.47	NO	1.001	1.000	51.8	104	NO
4	1,2,3,6,7,8-HxCDD	5.51e4	1.22e5	1.24	1.25	NO	0.8771	34.60	34.60	NO	1.001	1.001	51.3	103	NO
5	1,2,3,7,8,9-HxCDD	5.37e4	1.25e5	1.24	1.27	NO	0.8739	34.87	34.88	NO	1.000	1.001	49.2	98.3	NO
6	1,2,3,4,6,7,8-HpCDD	4.02e4	9.04e4	1.04	1.04	NO	0.8927	38.25	38.25	NO	1.000	1.000	45.4	98.9	NO
7	OCDD	6.40e4	1.48e5	0.89	0.86	NO	0.8524	41.31	41.32	NO	1.000	1.000	102	102	NO
8	2,3,7,8-TCDF	2.75e4	3.79e5	0.77	0.78	NO	0.7466	26.03	26.05	NO	1.000	1.001	9.71	97.1	NO
9	1,2,3,7,8-PeCDF	1.08e5	2.38e5	1.55	1.63	NO	0.8771	29.92	29.93	NO	1.000	1.001	51.7	103	NO
10	2,3,4,7,8-PeCDF	1.10e5	2.31e5	1.55	1.57	NO	0.9621	30.96	30.94	NO	1.001	1.000	49.5	98.9	NO
11	1,2,3,4,7,8-HxCDF	7.06e4	1.53e5	1.24	1.25	NO	0.9202	33.52	33.53	NO	1.000	1.001	50.3	101	NO
12	1,2,3,6,7,8-HxCDF	7.75e4	1.67e5	1.24	1.27	NO	0.9363	33.67	33.67	NO	1.001	1.001	49.5	99.1	NO
13	2,3,4,6,7,8-HxCDF	7.11e4	1.49e5	1.24	1.26	NO	0.9725	34.36	34.36	NO	1.001	1.001	49.0	98.0	NO
14	1,2,3,7,8,9-HxCDF	5.75e4	1.23e5	1.24	1.23	NO	0.9396	35.44	35.44	NO	1.000	1.000	49.7	99.3	NO
15	1,2,3,4,6,7,8-HpCDF	5.84e4	1.08e5	1.04	1.02	NO	1.0481	37.05	37.05	NO	1.000	1.000	49.8	99.6	NO
16	1,2,3,4,7,8,9-HpCDF	4.37e4	8.27e4	1.04	1.01	NO	1.0453	38.92	38.92	NO	1.000	1.000	50.6	101	NO

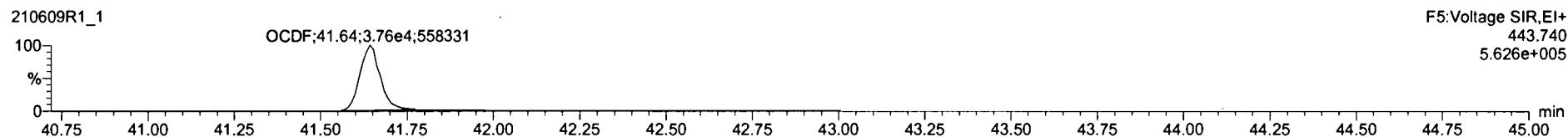
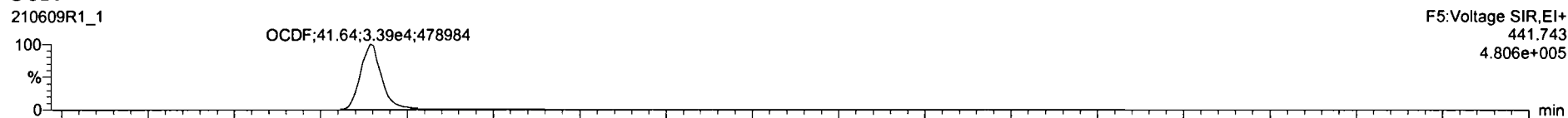


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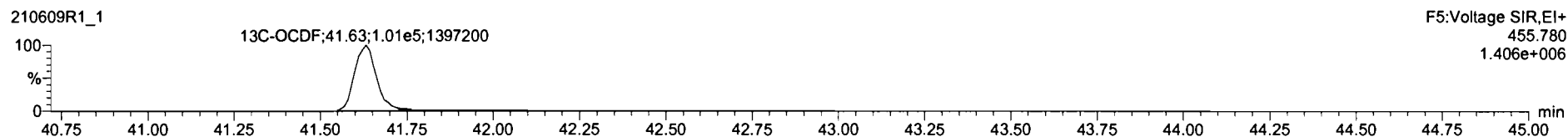
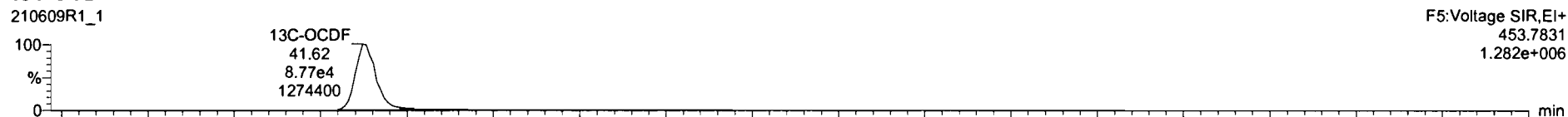
Last Altered: Monday, June 14, 2021 16:36:33 Pacific Daylight Time  
Printed: Monday, June 14, 2021 16:36:42 Pacific Daylight Time

Name: 210609R1\_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

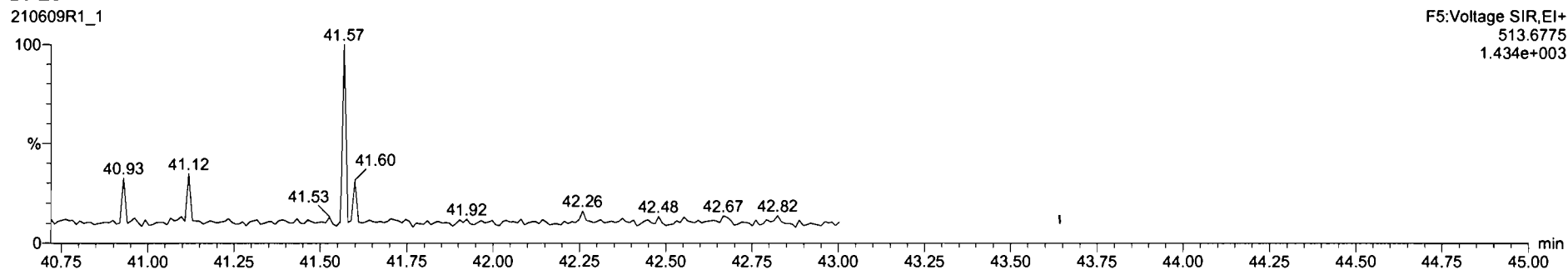
**OCDF**



**13C-OCDF**



**DPE5**

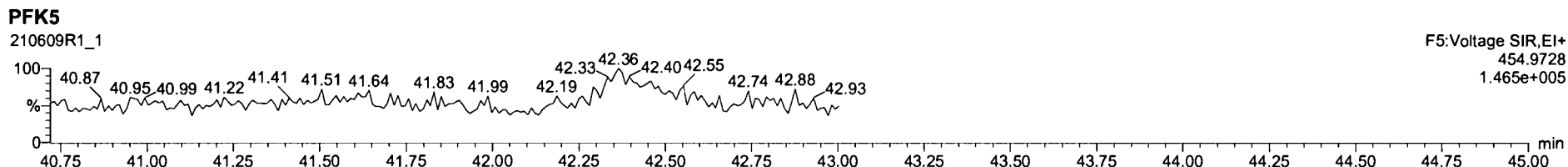
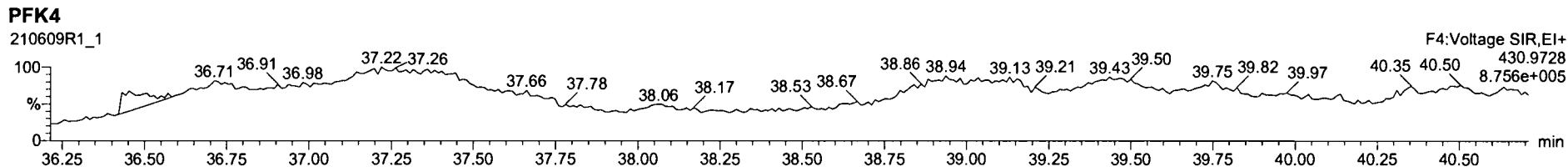
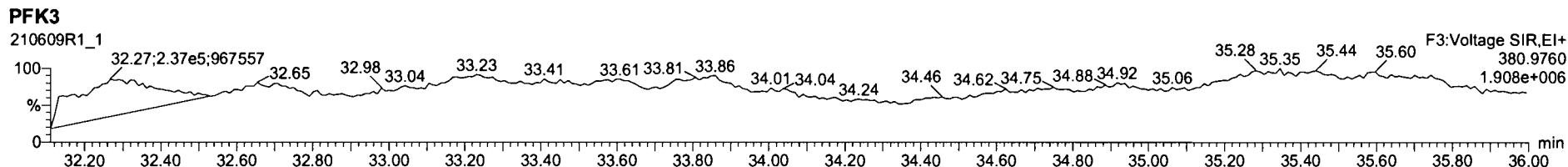
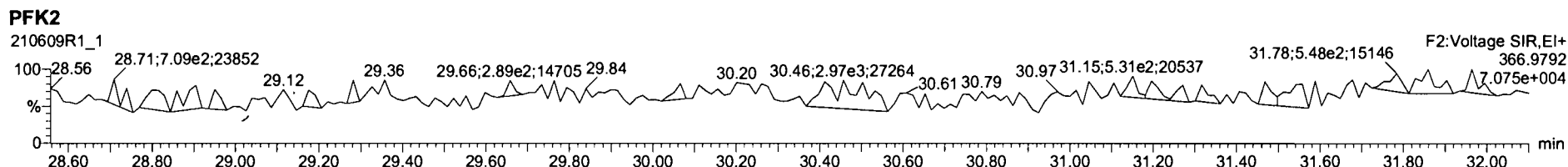
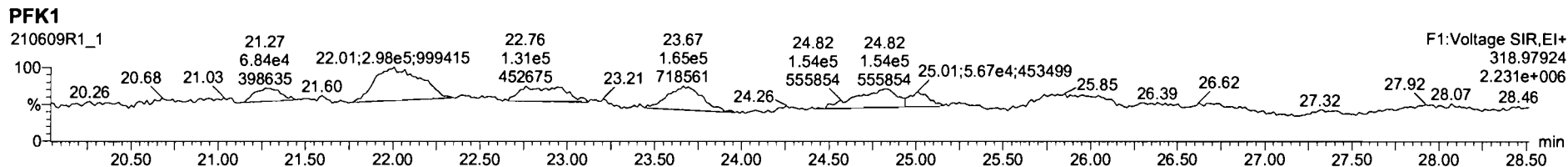




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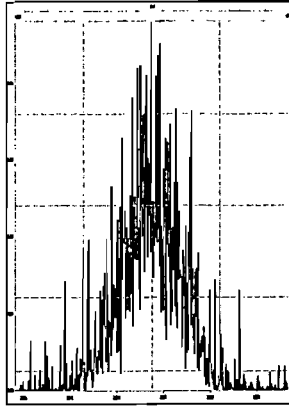
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Printed: Monday, June 14, 2021 16:36:42 Pacific Daylight Time

Name: 210609R1\_1, Date: 09-Jun-2021, Time: 10:46:57, ID: ST210609R1\_1 1613 CS3 21C0105, Description: 1613 CS3 21C0105

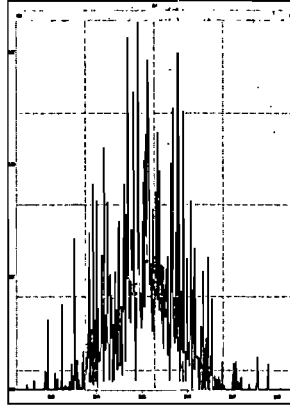


Printed: Wednesday, June 09, 2021 22:57:34 Pacific Daylight Time

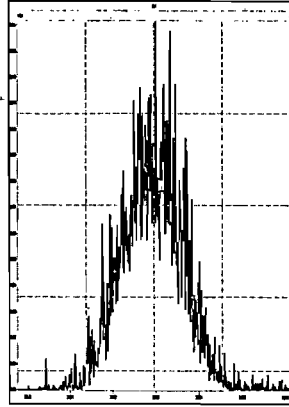
M 292.9824 R 14854



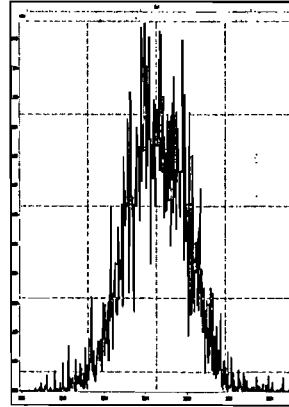
M 304.9824 R 27758



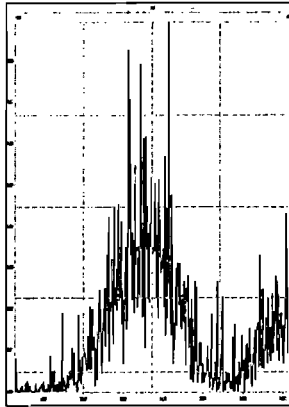
M 318.9792 R 10849



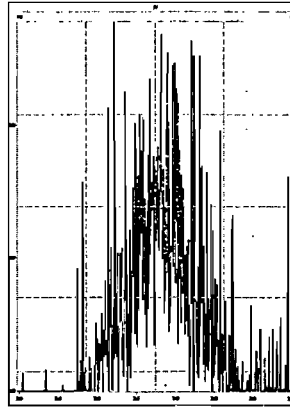
M 330.9792 R 11240



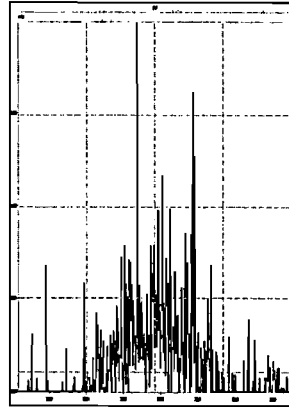
M 342.9792 R 12664



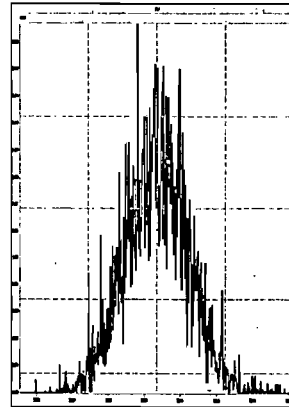
M 354.9792 R 17944



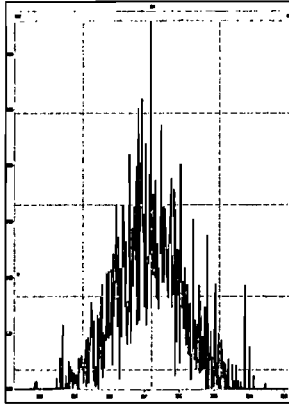
M 366.9792 R 51674



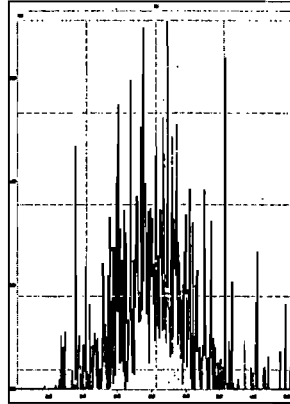
M 380.9760 R 11271



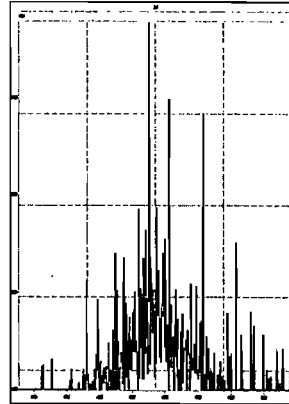
M 392.9760 R 19772



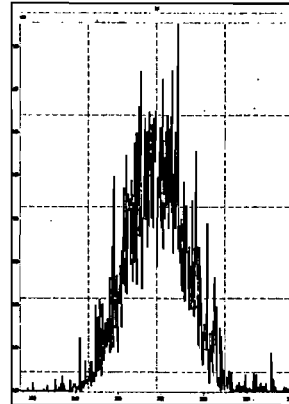
M 404.9760 R 27016



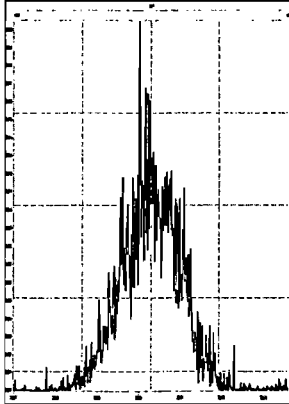
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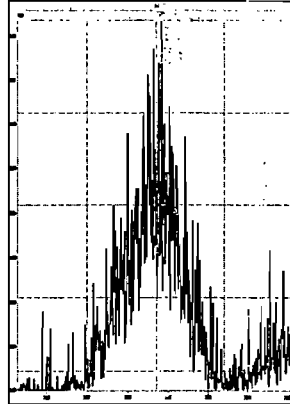
M 318.9792 R 12559



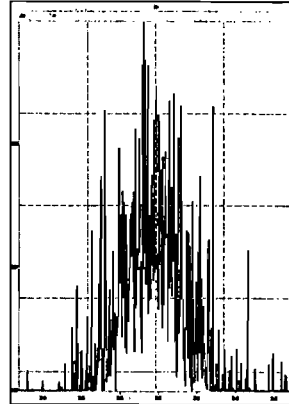
M 330.9792 R 11553



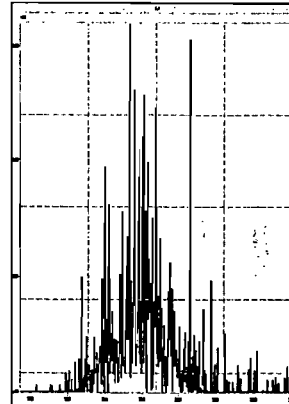
M 342.9792 R 12167



M 354.9792 R 18403

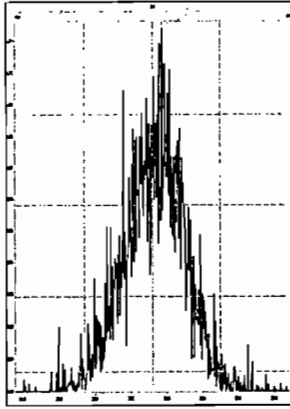


M 366.9792 R 57927

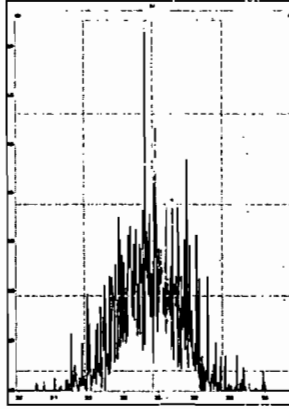


Printed: Wednesday, June 09, 2021 22:57:34 Pacific Daylight Time

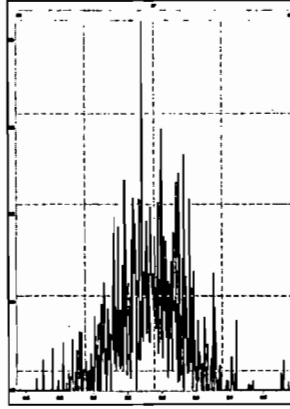
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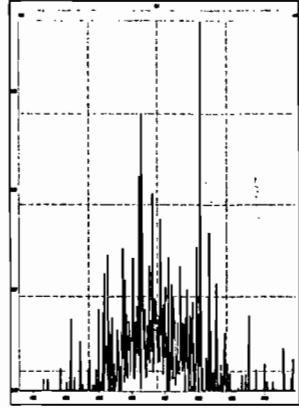
M 392.9760 R 14183



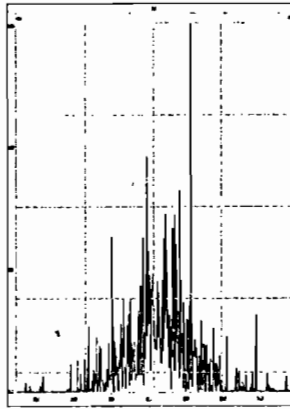
M 404.9760 R 26279



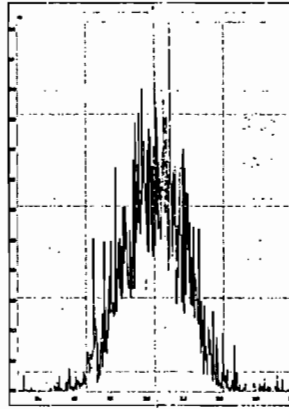
M 416.9760 R 71878



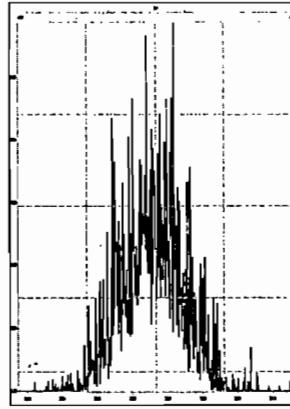
M 366.9792 R 41101



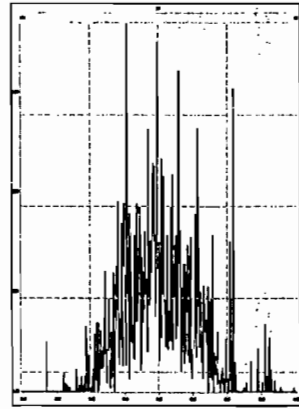
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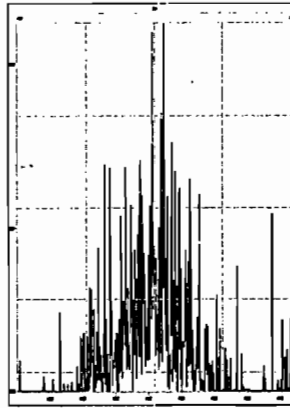
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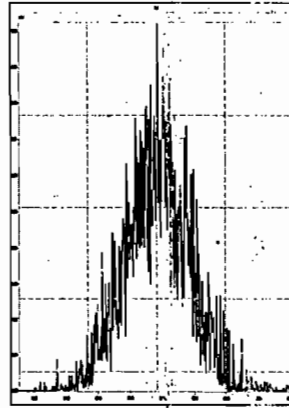
M 404.9760 R 16779



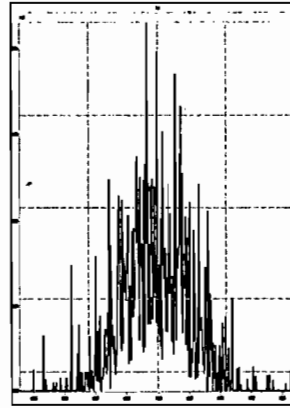
M 416.9760 R 97355



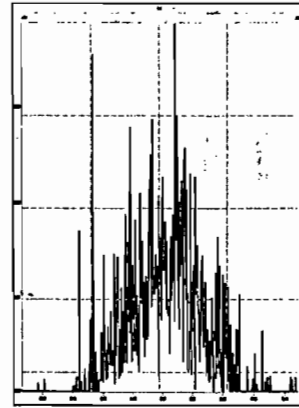
M 430.9728 R 10755



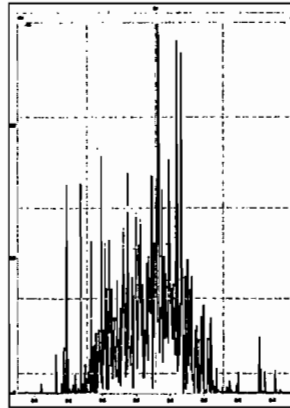
M 442.9728 R 16684



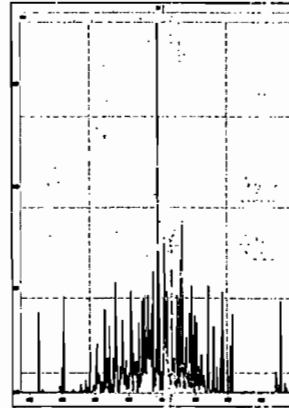
M 454.9728 R 19970



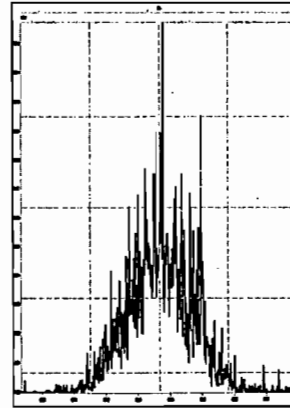
M 404.9760 R 16185



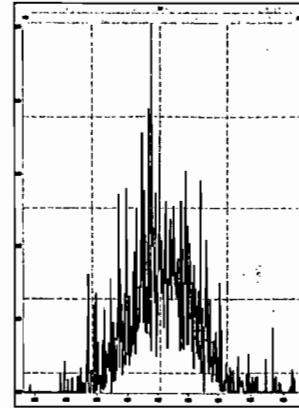
M 416.9760 R 16667



M 430.9728 R 11975

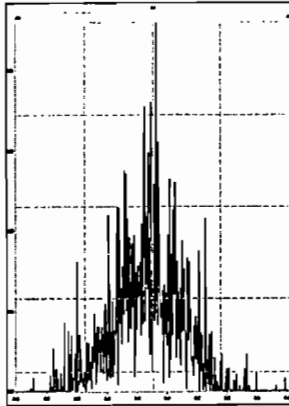


M 442.9728 R 15479

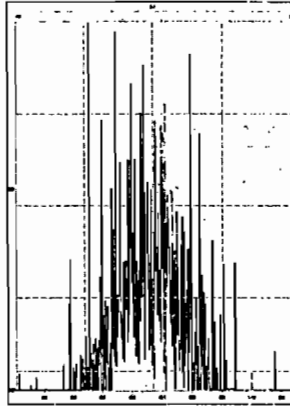


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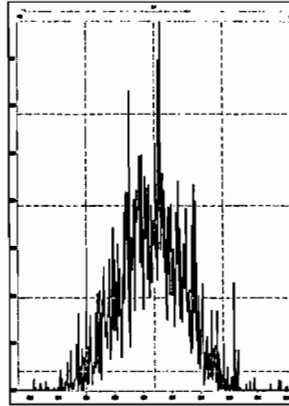
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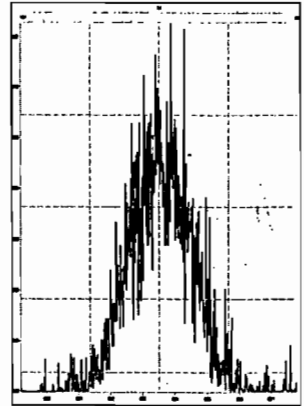
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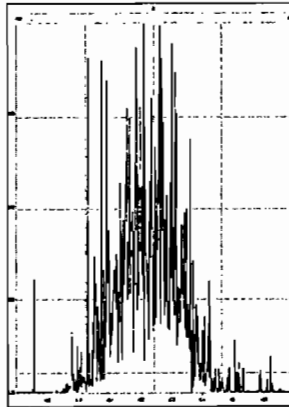
M 480.9696 R 12914



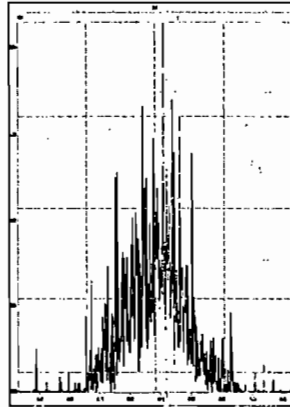
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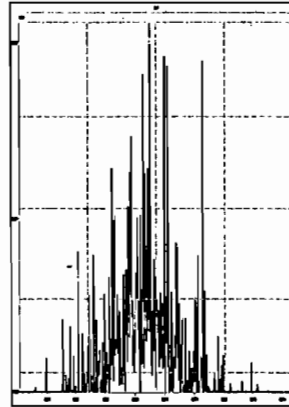
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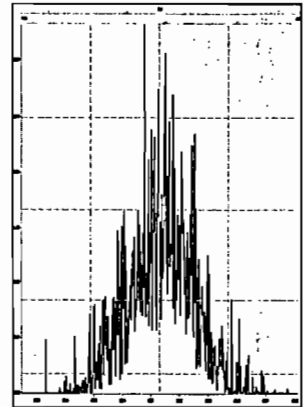
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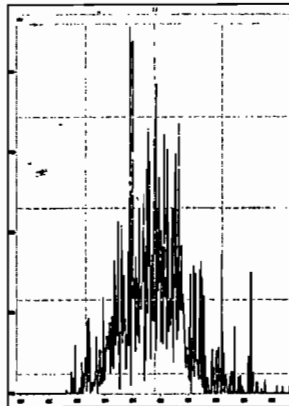
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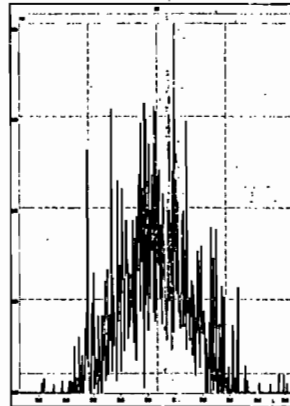
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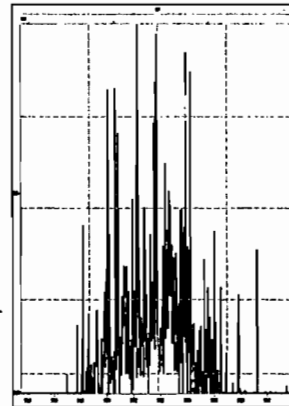
M 492.9696 R 24859



M 504.9696 R 16968



M 516.9697 R 45048



# HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

**Beg. Calibration ID:** ST210517K<sup>2</sup>-1 (A)(B)

**Reviewed By:** DF05/19/21

*Initials & Date*

**End Calibration ID:** AAA ST210517K3-1 (C)

  
**Beg.**      **End**

**Ion abundance within QC limits?**       **Beg.**       **End**

**Mass resolution ≥**

**Beg.**       **End**

**Concentrations within criteria?**       **Beg.**       **End**

5k     6-8K     8K     10K  
 1614    1699    429    1613/1668/8280

**TCDD/TCDF Valleys <25%**       **Beg.**       **End**

**Intergrated peaks display correctly?**

**Beg.**       **End**

**First and last eluters present?**       **Beg.**       **End**

**GC Break <20%**

**Beg.**       **End**

**Retention Times within criteria?**       **Beg.**       **End**

**8280 CS1 End Standard:**

**Verification Std. named correctly?**       **Beg.**       **End**

**- Ratios within limits, S/N <2.5:1, CS1 within 12 hours**

**Beg.**       **End**

**(ST-Year-Month-Day-VG ID)**

**Forms signed and dated?**       **Beg.**       **End**

**Correct ICAL referenced?**      hr      hr

**Run Log:**

**- Correct instrument listed?**       **Beg.**       **End**

**- Samples within 12 hour clock?**      (Y)      N

**- Bottle position verified?**      hr

**Comments:**

(A) 1 mass → affected by column bleed  
 (B) 3 masses  
 (C)  
 (D) 2 masses →

Dataset: U:\VG11.PRO\Results\210517K2\210517K2-1.qld

Last Altered: Monday, May 17, 2021 16:22:46 Pacific Daylight Time  
Printed: Monday, May 17, 2021 16:23:10 Pacific Daylight Time

*Handwritten:* HZS-17-2021  
JF 05/19/21

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_5-17-21.mdb 17 May 2021 16:25:08  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 18:49:42

Name: 210517K2\_1, Date: 17-May-2021, Time: 14:45:24, ID: ST210517K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	4.24e5	2.97	NO	0.986	1.000	15.58	15.59	1.001	1.001	NO	52.55	105 <i>75/125</i>	0.0237	52.55
2	2 PCB-2	4.34e5	3.07	NO	1.02	1.000	17.99	17.99	0.988	0.988	NO	51.27	103	0.0237	51.27
3	3 PCB-3	4.37e5	3.02	NO	1.00	1.000	18.22	18.22	1.001	1.001	NO	52.56	105	0.0242	52.56
4	4 PCB-4/10	6.38e5	1.59	NO	1.21	1.000	19.64	19.64	1.004	1.004	NO	104.4	104	0.0973	104.4
5	5 PCB-7/9	7.92e5	1.58	NO	0.939	1.000	21.43	21.43	1.003	1.003	NO	103.4	103	0.0784	103.4
6	6 PCB-6	4.17e5	1.56	NO	0.996	1.000	22.08	22.08	1.033	1.033	NO	51.36	103	0.0739	51.36
7	7 PCB-5/8	8.24e5	1.56	NO	0.976	1.000	22.49	22.48	1.052	1.052	NO	103.6	104	0.0755	103.6
8	8 PCB-14	4.22e5	1.56	NO	1.02	1.000	23.62	23.62	0.951	0.951	NO	51.48	103	0.0788	51.48
9	9 PCB-11	4.54e5	1.60	NO	1.12	1.000	24.85	24.84	1.001	1.000	NO	50.77	102	0.0723	50.77
10	10 PCB-12/13	8.48e5	1.56	NO	1.02	1.000	25.28	25.21	1.018	1.015	NO	103.9	104	0.0792	103.9
11	11 PCB-15	4.36e5	1.53	NO	1.02	1.000	25.56	25.56	1.030	1.030	NO	53.52	107	0.0794	53.52
12	12 PCB-19	2.68e5	1.02	NO	0.972	1.000	23.81	23.80	1.001	1.001	NO	52.34	105	0.0381	52.34
13	13 PCB-30	4.31e5	1.01	NO	1.54	1.000	24.72	24.71	1.039	1.039	NO	53.24	106	0.0240	53.24
14	14 PCB-18	2.85e5	1.01	NO	0.719	1.000	25.49	25.49	0.952	0.952	NO	52.96	106	0.0358	52.96
15	15 PCB-17	2.69e5	1.02	NO	0.672	1.000	25.65	25.66	0.958	0.959	NO	53.51	107	0.0383	53.51
16	16 PCB-24/27	7.51e5	1.02	NO	0.932	1.000	26.23	26.25	0.980	0.981	NO	107.7	108	0.0276	107.7
17	17 PCB-16/32	6.54e5	1.02	NO	0.824	1.000	26.79	26.79	1.001	1.001	NO	106.0	106	0.0312	106.0
18	18 PCB-34	3.34e5	1.02	NO	0.878	1.000	27.59	27.60	0.959	0.959	NO	48.38	96.8	0.0510	48.38
19	19 PCB-23	3.78e5	1.04	NO	0.892	1.000	27.70	27.69	0.962	0.962	NO	53.80	108	0.0502	53.80
20	20 PCB-29	3.42e5	1.03	NO	0.861	1.000	27.96	27.96	0.972	0.972	NO	50.49	101	0.0519	50.49
21	21 PCB-26	3.65e5	1.06	NO	0.915	1.000	28.16	28.16	0.979	0.979	NO	50.73	101	0.0489	50.73
22	22 PCB-25	3.66e5	1.02	NO	0.915	1.000	28.32	28.33	0.984	0.984	NO	50.75	102	0.0489	50.75
23	23 PCB-31	4.18e5	1.03	NO	1.03	1.000	28.70	28.70	0.998	0.997	NO	51.59	103	0.0434	51.59
24	24 PCB-28	3.84e5	1.06	NO	1.01	1.000	28.79	28.79	1.001	1.001	NO	48.17	96.3	0.0441	48.17
25	25 PCB-20/21/33	1.09e6	1.05	NO	0.913	1.000	29.43	29.43	1.023	1.023	NO	152.2	101	0.0490	152.2
26	26 PCB-22	3.89e5	1.04	NO	0.948	1.000	29.89	29.89	1.039	1.039	NO	52.19	104	0.0472	52.19
27	27 PCB-36	3.87e5	1.10	NO	1.07	1.000	30.52	30.52	0.931	0.931	NO	52.98	106	0.0461	52.98
28	28 PCB-39	3.69e5	1.06	NO	1.00	1.000	31.01	31.01	0.946	0.946	NO	53.80	108	0.0490	53.80
29	29 PCB-38	3.74e5	1.02	NO	1.05	1.000	31.81	31.81	0.970	0.970	NO	52.04	104	0.0469	52.04
30	30 PCB-35	3.90e5	1.04	NO	1.05	1.000	32.35	32.35	0.987	0.987	NO	54.49	109	0.0470	54.49
31	31 PCB-37	3.78e5	1.08	NO	1.03	1.000	32.79	32.79	1.001	1.001	NO	53.81	108	0.0479	53.81
32	32 PCB-54	3.35e5	0.75	NO	0.974	1.000	27.64	27.66	1.001	1.001	NO	54.91	110	0.119	54.91

Dataset: U:\VG11.PRO\Results\210517K2\210517K2-1.qld

Last Altered: Monday, May 17, 2021 16:22:46 Pacific Daylight Time

Printed: Monday, May 17, 2021 16:23:10 Pacific Daylight Time

Name: 210517K2\_1, Date: 17-May-2021, Time: 14:45:24, ID: ST210517K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50	2.74e5	0.74	NO	0.803	1.000	28.86	28.85	1.045	1.044	NO	54.39	109	0.145	54.39
34	34 PCB-53	2.51e5	0.77	NO	0.939	1.000	29.52	29.52	0.944	0.944	NO	51.93	104	0.149	51.93
35	35 PCB-51	2.76e5	0.77	NO	1.00	1.000	29.87	29.87	0.955	0.955	NO	53.47	107	0.140	53.47
36	36 PCB-45	2.17e5	0.76	NO	0.802	1.000	30.32	30.32	0.970	0.970	NO	52.56	105	0.174	52.56
37	37 PCB-46	2.07e5	0.79	NO	0.770	1.000	30.82	30.82	0.986	0.986	NO	52.08	104	0.181	52.08
38	38 PCB-52/69	6.06e5	0.77	NO	1.08	1.000	31.31	31.31	1.001	1.001	NO	108.7	109	0.129	108.7
39	39 PCB-73	3.48e5	0.76	NO	1.31	1.000	31.44	31.44	1.005	1.005	NO	51.73	103	0.107	51.73
40	40 PCB-43/49	5.16e5	0.76	NO	0.925	1.000	31.59	31.60	1.010	1.011	NO	108.1	108	0.151	108.1
41	41 PCB-47	2.52e5	0.77	NO	0.863	1.000	31.81	31.81	1.001	1.001	NO	55.63	111	0.160	55.63
42	42 PCB-48/75	5.90e5	0.76	NO	1.04	1.000	31.94	31.92	1.005	1.004	NO	108.1	108	0.133	108.1
43	43 PCB-65	3.23e5	0.75	NO	1.16	1.000	32.20	32.20	1.013	1.013	NO	52.97	106	0.119	52.97
44	44 PCB-62	3.18e5	0.77	NO	1.04	1.000	32.31	32.31	1.016	1.016	NO	58.25	116	0.133	58.25
45	45 PCB-44	2.23e5	0.76	NO	0.757	1.000	32.63	32.63	1.026	1.026	NO	56.00	112	0.183	56.00
46	46 PCB-42/59	5.60e5	0.78	NO	0.975	1.000	32.87	32.87	1.034	1.034	NO	109.3	109	0.142	109.3
47	47 PCB-41/64/71/72	1.29e6	0.78	NO	1.12	1.000	33.46	33.46	1.053	1.053	NO	219.6	110	0.124	219.6
48	48 PCB-68	3.37e5	0.77	NO	1.19	1.000	33.75	33.74	1.062	1.061	NO	53.84	108	0.116	53.84
49	49 PCB-40	1.64e5	0.76	NO	0.572	1.000	33.98	33.97	1.069	1.068	NO	54.61	109	0.242	54.61
50	50 PCB-57	3.53e5	0.76	NO	1.08	1.000	34.34	34.34	0.970	0.970	NO	52.56	105	0.111	52.56
51	51 PCB-67	3.49e5	0.75	NO	1.02	1.000	34.65	34.65	0.978	0.978	NO	54.96	110	0.117	54.96
52	52 PCB-58	3.59e5	0.77	NO	1.08	1.000	34.76	34.77	0.982	0.982	NO	53.17	106	0.110	53.17
53	53 PCB-63	3.32e5	0.77	NO	0.971	1.000	34.93	34.93	0.986	0.986	NO	54.76	110	0.123	54.76
54	54 PCB-74	3.62e5	0.74	NO	1.09	1.000	35.22	35.23	0.994	0.995	NO	53.27	107	0.110	53.27
55	55 PCB-61/70	6.67e5	0.77	NO	0.978	1.000	35.44	35.36	1.000	0.998	NO	109.2	109	0.122	109.2
56	56 PCB-76/66	7.22e5	0.77	NO	1.07	1.000	35.64	35.62	1.006	1.006	NO	107.9	108	0.111	107.9
57	57 PCB-80	3.85e5	0.77	NO	1.08	1.000	35.89	35.88	1.001	1.001	NO	55.79	112	0.112	55.79
58	58 PCB-55	3.84e5	0.76	NO	1.06	1.000	36.22	36.20	1.010	1.009	NO	56.40	113	0.113	56.40
59	59 PCB-56/60	6.51e5	0.76	NO	0.946	1.000	36.71	36.72	1.023	1.024	NO	107.5	108	0.127	107.5
60	60 PCB-79	3.63e5	0.77	NO	1.06	1.000	37.84	37.82	1.055	1.054	NO	53.60	107	0.114	53.60
61	61 PCB-78	3.59e5	0.77	NO	1.01	1.000	38.54	38.54	0.987	0.987	NO	57.91	116	0.120	57.91
62	62 PCB-81	3.24e5	0.77	NO	0.941	1.000	39.08	39.08	1.000	1.000	NO	55.77	112	0.128	55.77
63	63 PCB-77	3.59e5	0.79	NO	1.03	1.000	39.70	39.70	1.000	1.000	NO	56.60	113	0.117	56.60
64	64 PCB-104	3.05e5	1.59	NO	0.982	1.000	32.48	32.50	1.001	1.001	NO	53.97	108	0.0388	53.97
65	65 PCB-96	3.07e5	1.59	NO	0.982	1.000	33.78	33.78	1.041	1.041	NO	54.35	109	0.0387	54.35
66	66 PCB-103	2.39e5	1.52	NO	0.770	1.000	34.36	34.36	1.059	1.058	NO	54.13	108	0.0494	54.13
67	67 PCB-100	2.45e5	1.51	NO	0.805	1.000	34.71	34.71	1.069	1.069	NO	52.95	106	0.0473	52.95
68	68 PCB-94	1.94e5	1.55	NO	0.831	1.000	35.19	35.19	0.985	0.985	NO	52.01	104	0.0600	52.01

Dataset: U:\VG11.PRO\Results\210517K2\210517K2-1.qld

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Name: 210517K2\_1, Date: 17-May-2021, Time: 14:45:24, ID: ST210517K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	7.70e5	1.56	NO	1.07	1.000	35.68	35.68	0.999	0.998	NO	160.4	107	0.0465	160.4
70	70 PCB-93	1.71e5	1.59	NO	0.761	1.000	35.81	35.83	1.002	1.003	NO	50.27	101	0.0654	50.27
71	71 PCB-88/91	4.20e5	1.51	NO	0.910	1.000	36.16	36.16	1.012	1.012	NO	103.0	103	0.0547	103.0
72	72 PCB-121	3.64e5	1.55	NO	1.46	1.000	36.27	36.26	1.015	1.015	NO	55.42	111	0.0340	55.42
73	73 PCB-84/92	4.18e5	1.57	NO	0.826	1.000	37.11	37.11	0.990	0.990	NO	107.4	107	0.0577	107.4
74	74 PCB-89	2.27e5	1.52	NO	0.885	1.000	37.29	37.30	0.995	0.995	NO	54.52	109	0.0538	54.52
75	75 PCB-90/101	4.40e5	1.59	NO	0.905	1.000	37.49	37.48	1.000	1.000	NO	103.3	103	0.0526	103.3
76	76 PCB-113	2.94e5	1.54	NO	1.26	1.000	37.75	37.74	1.007	1.007	NO	49.52	99.0	0.0378	49.52
77	77 PCB-99	2.76e5	1.59	NO	0.993	1.000	37.84	37.84	1.010	1.009	NO	58.93	118	0.0480	58.93
78	78 PCB-119	3.29e5	1.59	NO	1.53	1.000	38.32	38.32	0.987	0.987	NO	56.31	113	0.0370	56.31
79	79 PCB-108/112	5.15e5	1.55	NO	1.25	1.000	38.48	38.47	0.991	0.991	NO	108.5	109	0.0454	108.5
80	80 PCB-83	3.22e5	1.59	NO	1.56	1.000	38.64	38.64	0.995	0.995	NO	54.23	108	0.0363	54.23
81	81 PCB-97	2.22e5	1.50	NO	1.12	1.000	38.84	38.84	1.000	1.000	NO	51.85	104	0.0504	51.85
82	82 PCB-86	2.21e5	1.54	NO	1.06	1.000	38.99	39.01	1.004	1.005	NO	54.83	110	0.0535	54.83
83	83 PCB-87/117/125	8.11e5	1.54	NO	1.34	1.000	39.13	39.12	1.008	1.008	NO	158.8	106	0.0422	158.8
84	84 PCB-111/115	6.33e5	1.53	NO	1.62	1.000	39.29	39.29	1.012	1.012	NO	102.7	103	0.0350	102.7
85	85 PCB-85/116	5.15e5	1.56	NO	1.23	1.000	39.42	39.42	1.015	1.015	NO	109.7	110	0.0459	109.7
86	86 PCB-120	3.47e5	1.59	NO	1.79	1.000	39.66	39.66	1.022	1.022	NO	50.71	101	0.0316	50.71
87	87 PCB-110	3.13e5	1.59	NO	1.50	1.000	39.81	39.81	1.025	1.025	NO	54.81	110	0.0377	54.81
88	88 PCB-82	1.86e5	1.57	NO	0.638	1.000	40.45	40.46	0.975	0.976	NO	52.08	104	0.0622	52.08
89	89 PCB-124	3.29e5	1.57	NO	1.08	1.000	41.18	41.17	0.993	0.993	NO	54.45	109	0.0368	54.45
90	90 PCB-107/109	6.56e5	1.57	NO	1.11	1.000	41.32	41.32	0.996	0.996	NO	105.5	105	0.0358	105.5
91	91 PCB-123	2.94e5	1.56	NO	1.00	1.000	41.49	41.48	1.000	1.000	NO	52.35	105	0.0396	52.35
92	92 PCB-106/118	6.31e5	1.54	NO	1.02	1.000	41.69	41.71	1.001	1.001	NO	110.0	110	0.0395	110.0
93	93 PCB-114	2.85e5	1.59	NO	1.08	1.000	42.35	42.35	1.000	1.000	NO	54.41	109	0.0679	54.41
94	94 PCB-122	2.52e5	1.58	NO	0.930	1.000	42.50	42.50	1.004	1.004	NO	55.93	112	0.0792	55.93
95	95 PCB-105	2.75e5	1.59	NO	1.03	1.000	43.24	43.24	1.000	1.000	NO	53.72	107	0.0692	53.72
96	96 PCB-127	2.92e5	1.62	NO	1.06	1.000	43.60	43.60	1.000	1.000	NO	54.02	108	0.0670	54.02
97	97 PCB-126	2.95e5	1.60	NO	1.15	1.000	45.55	45.55	1.000	1.000	NO	55.46	111	0.0667	55.46
98	98 PCB-155	2.34e5	1.24	NO	0.853	1.000	37.02	37.02	1.000	1.001	NO	55.24	110	0.0174	55.24
99	99 PCB-150	2.50e5	1.25	NO	0.934	1.000	38.34	38.34	1.036	1.036	NO	53.99	108	0.0159	53.99
100	1... PCB-152	2.74e5	1.25	NO	1.02	1.000	38.82	38.82	1.049	1.049	NO	54.20	108	0.0146	54.20
101	1... PCB-145	2.64e5	1.25	NO	0.983	1.000	39.29	39.29	1.062	1.062	NO	54.15	108	0.0151	54.15
102	1... PCB-136	2.43e5	1.27	NO	0.881	1.000	39.62	39.62	1.071	1.071	NO	55.67	111	0.0168	55.67
103	1... PCB-148	1.74e5	1.28	NO	0.666	1.000	39.74	39.74	1.074	1.074	NO	52.77	106	0.0223	52.77
104	1... PCB-154	2.01e5	1.27	NO	0.721	1.000	40.24	40.24	1.088	1.088	NO	56.13	112	0.0206	56.13

*Handwritten note:* 107% Rec



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Name: 210517K2\_1, Date: 17-May-2021, Time: 14:45:24, ID: ST210517K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151	1.82e5	1.23	NO	0.674	1.000	40.89	40.89	1.105	1.105	NO	54.30	109	0.0220	54.30
106	1... PCB-135	1.93e5	1.25	NO	0.723	1.000	41.11	41.11	1.111	1.111	NO	53.79	108	0.0205	53.79
107	1... PCB-144	1.88e5	1.30	NO	0.691	1.000	41.22	41.22	1.114	1.114	NO	54.86	110	0.0214	54.86
108	1... PCB-147	1.80e5	1.30	NO	0.713	1.000	41.37	41.37	1.118	1.118	NO	50.95	102	0.0208	50.95
109	1... PCB-139/149	4.14e5	1.29	NO	0.773	1.000	41.63	41.63	1.125	1.125	NO	108.0	108	0.0192	108.0
110	1... PCB-140	1.76e5	1.26	NO	0.652	1.000	41.84	41.84	1.131	1.131	NO	54.48	109	0.0227	54.48
111	1... PCB-134/143	3.62e5	1.23	NO	0.718	1.000	42.29	42.29	0.975	0.975	NO	112.7	113	0.136	112.7
112	1... PCB-131/133	3.80e5	1.24	NO	0.768	1.000	42.59	42.59	0.982	0.982	NO	110.7	111	0.128	110.7
113	1... PCB-142	1.71e5	1.24	NO	0.687	1.000	42.75	42.75	0.985	0.985	NO	55.77	112	0.143	55.77
114	1... PCB-146/165	4.66e5	1.24	NO	0.943	1.000	42.99	42.99	0.991	0.991	NO	110.5	111	0.104	110.5
115	1... PCB-132/161	4.59e5	1.25	NO	0.957	1.000	43.24	43.22	0.997	0.996	NO	107.3	107	0.102	107.3
116	1... PCB-153	2.49e5	1.23	NO	0.990	1.000	43.43	43.41	1.001	1.000	NO	56.20	112	0.0989	56.20
117	1... PCB-168	2.45e5	1.24	NO	1.03	1.000	43.64	43.64	1.006	1.006	NO	53.06	106	0.0946	53.06
118	1... PCB-141	1.89e5	1.24	NO	0.948	1.000	44.17	44.19	1.000	1.001	NO	54.21	108	0.130	54.21
119	1... PCB-137	1.89e5	1.22	NO	0.964	1.000	44.56	44.56	1.009	1.009	NO	53.17	106	0.128	53.17
120	1... PCB-130	1.73e5	1.26	NO	0.816	1.000	44.68	44.68	1.012	1.012	NO	57.70	115	0.151	57.70
121	1... PCB-138/163/164	7.49e5	1.24	NO	1.15	1.000	45.08	45.08	1.001	1.001	NO	167.6	112	0.101	167.6
122	1... PCB-158/160	4.78e5	1.24	NO	1.14	1.000	45.32	45.30	1.007	1.006	NO	108.5	108	0.102	108.5
123	1... PCB-129	1.61e5	1.24	NO	0.807	1.000	45.57	45.57	1.012	1.012	NO	51.45	103	0.144	51.45
124	1... PCB-166	2.60e5	1.23	NO	1.03	1.000	46.04	46.04	0.993	0.993	NO	54.95	110	0.0974	54.95
125	1... PCB-159	2.75e5	1.23	NO	1.10	1.000	46.38	46.38	1.000	1.000	NO	54.54	109	0.0916	54.54
126	1... PCB-128/162	4.31e5	1.24	NO	0.836	1.000	46.68	46.67	1.007	1.007	NO	112.0	112	0.120	112.0
127	1... PCB-167	2.54e5	1.21	NO	0.960	1.000	47.08	47.08	1.000	1.000	NO	55.66	111	0.100	55.66
128	1... PCB-156	2.53e5	1.23	NO	1.06	1.000	48.41	48.41	1.000	1.000	NO	53.73	107	0.0963	53.73
129	1... PCB-157	2.38e5	1.25	NO	0.960	1.000	48.69	48.69	1.000	1.000	NO	54.96	110	0.107	54.96
130	1... PCB-169	2.44e5	1.24	NO	1.04	1.000	50.97	50.97	1.000	1.000	NO	54.83	110	0.101	54.83
131	1... PCB-188	2.75e5	1.05	NO	1.15	1.000	43.05	43.03	1.001	1.000	NO	55.59	111	0.0541	55.59
132	1... PCB-184	2.58e5	1.04	NO	1.14	1.000	43.49	43.50	1.011	1.011	NO	52.52	105	0.0545	52.52
133	1... PCB-179	2.70e5	1.04	NO	1.07	1.000	44.30	44.30	1.030	1.030	NO	58.28	117	0.0579	58.28
134	1... PCB-176	2.66e5	1.00	NO	1.11	1.000	44.77	44.77	1.041	1.041	NO	55.54	111	0.0559	55.54
135	1... PCB-186	2.78e5	1.03	NO	1.23	1.000	45.43	45.42	1.056	1.056	NO	52.41	105	0.0505	52.41
136	1... PCB-178	1.86e5	1.02	NO	0.830	1.000	45.93	45.93	1.068	1.068	NO	52.05	104	0.0749	52.05
137	1... PCB-175	1.93e5	1.00	NO	0.853	1.000	46.29	46.29	1.076	1.076	NO	52.46	105	0.0729	52.46
138	1... PCB-182/187	4.29e5	1.04	NO	0.942	1.000	46.46	46.46	1.080	1.080	NO	105.9	106	0.0660	105.9
139	1... PCB-183	2.11e5	1.04	NO	0.910	1.000	46.78	46.78	1.088	1.088	NO	53.96	108	0.0683	53.96
140	1... PCB-185	1.83e5	1.02	NO	1.24	1.000	47.46	47.46	0.954	0.954	NO	55.16	110	0.0857	55.16

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	1.84e5	1.01	NO	1.20	1.000	47.84	47.84	0.962	0.962	NO	57.31	115	0.0886	57.31
142	1... PCB-181	1.88e5	1.05	NO	1.33	1.000	47.94	47.94	0.964	0.964	NO	52.57	105	0.0798	52.57
143	1... PCB-177	1.73e5	1.02	NO	1.14	1.000	48.12	48.13	0.968	0.968	NO	56.39	113	0.0930	56.39
144	1... PCB-171	1.77e5	1.03	NO	1.22	1.000	48.43	48.43	0.974	0.974	NO	54.00	108	0.0872	54.00
145	1... PCB-173	1.57e5	1.03	NO	1.07	1.000	48.86	48.86	0.982	0.982	NO	54.61	109	0.0994	54.61
146	1... PCB-172	1.86e5	1.01	NO	1.26	1.000	49.34	49.34	0.992	0.992	NO	55.12	110	0.0845	55.12
147	1... PCB-192	2.39e5	1.03	NO	1.61	1.000	49.52	49.53	0.996	0.996	NO	55.08	110	0.0658	55.08
148	1... PCB-180	1.91e5	1.03	NO	1.30	1.000	49.76	49.76	1.000	1.000	NO	54.58	109	0.0816	54.58
149	1... PCB-193	2.17e5	1.04	NO	1.47	1.000	49.97	49.96	1.005	1.005	NO	54.82	110	0.0721	54.82
150	1... PCB-191	2.19e5	1.03	NO	1.51	1.000	50.23	50.23	1.010	1.010	NO	54.14	108	0.0705	54.14
151	1... PCB-170	1.57e5	0.99	NO	1.23	1.000	51.41	51.40	1.000	1.000	NO	52.60	105	0.0867	52.60
152	1... PCB-190	2.11e5	0.99	NO	1.61	1.000	51.60	51.59	1.004	1.004	NO	54.09	108	0.0663	54.09
153	1... PCB-189	2.22e5	1.02	NO	1.27	1.000	53.05	53.05	1.000	1.000	NO	53.93	108	0.0583	53.93
154	1... PCB-202	2.16e5	0.88	NO	0.995	1.000	48.66	48.64	1.001	1.000	NO	53.45	107	0.0424	53.45
155	1... PCB-201	1.97e5	0.86	NO	0.904	1.000	49.15	49.15	1.011	1.011	NO	53.56	107	0.0466	53.56
156	1... PCB-204	2.08e5	0.87	NO	0.955	1.000	49.31	49.30	1.014	1.014	NO	53.64	107	0.0441	53.64
157	1... PCB-197	2.06e5	0.87	NO	0.964	1.000	49.63	49.62	1.021	1.021	NO	52.57	105	0.0437	52.57
158	1... PCB-200	1.96e5	0.90	NO	0.911	1.000	50.55	50.55	1.040	1.040	NO	52.82	106	0.0462	52.82
159	1... PCB-198	1.55e5	0.93	NO	0.696	1.000	52.07	52.07	1.071	1.071	NO	54.60	109	0.0606	54.60
160	1... PCB-199	1.52e5	0.84	NO	0.706	1.000	52.20	52.20	1.074	1.074	NO	53.04	106	0.0597	53.04
161	1... PCB-196/203	3.14e5	0.89	NO	0.754	1.000	52.48	52.48	1.079	1.079	NO	102.4	102	0.0559	102.4
162	1... PCB-195	1.33e5	0.89	NO	0.957	1.000	53.75	53.75	0.984	0.984	NO	53.48	107	0.141	53.48
163	1... PCB-194	1.48e5	0.91	NO	1.06	1.000	54.65	54.65	1.000	1.000	NO	53.51	107	0.127	53.51
164	1... PCB-205	1.75e5	0.90	NO	1.27	1.000	54.92	54.92	1.005	1.005	NO	53.14	106	0.107	53.14
165	1... PCB-208	1.56e5	1.36	NO	0.861	1.000	53.90	53.91	1.000	1.001	NO	54.74	109	0.110	54.74
166	1... PCB-207	1.53e5	1.34	NO	0.849	1.000	54.22	54.22	1.006	1.006	NO	54.45	109	0.111	54.45
167	1... PCB-206	1.06e5	1.37	NO	0.951	1.000	56.23	56.23	1.000	1.000	NO	54.17	108	0.158	54.17
168	1... PCB-209	9.60e4	1.18	NO	0.863	1.000	57.41	57.43	1.000	1.000	NO	53.30	107	0.0155	53.30
169	1... 13C-PCB-1	8.18e5	3.24	NO	0.937	1.000	15.57	15.57	0.609	0.610	NO	99.18	99.2	0.107	
170	1... 13C-PCB-3	8.28e5	3.19	NO	0.934	1.000	18.20	18.20	0.712	0.713	NO	100.8	101	0.108	
171	1... 13C-PCB-4	5.06e5	1.59	NO	0.599	1.000	19.55	19.55	0.765	0.766	NO	95.85	95.8	0.0892	
172	1... 13C-PCB-9	8.15e5	1.54	NO	0.960	1.000	21.37	21.37	0.837	0.837	NO	96.53	96.5	0.0557	
173	1... 13C-PCB-11	8.01e5	1.56	NO	0.929	1.000	24.82	24.83	0.972	0.972	NO	97.96	98.0	0.0575	
174	1... 13C-PCB-19	5.26e5	1.02	NO	0.506	1.000	23.77	23.78	0.931	0.931	NO	118.0	118	0.643	
175	1... 13C-PCB-32	7.48e5	1.02	NO	0.738	1.000	26.76	26.77	1.048	1.048	NO	115.2	115	0.442	
176	1... 13C-PCB-28	7.87e5	1.02	NO	1.06	1.000	28.77	28.77	1.003	1.003	NO	109.6	110	0.368	

Handwritten notes: "SD 120?" with an arrow pointing to the %Rec column, and "SD 145?" with an arrow pointing to the DL column.

Dataset: U:\VG11.PRO\Results\210517K2\210517K2-1.qld

Last Altered: Monday, May 17, 2021 16:22:46 Pacific Daylight Time  
Printed: Monday, May 17, 2021 16:23:10 Pacific Daylight Time

Name: 210517K2\_1, Date: 17-May-2021, Time: 14:45:24, ID: ST210517K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

	# Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	6.84e5	1.04	NO	0.979	1.000	32.77	32.78	1.143	1.143	NO	103.2	103	0.399	
178	1... 13C-PCB-54	6.27e5	0.77	NO	0.981	1.000	27.62	27.62	0.753	0.753	NO	99.25	99.2	0.113	
179	1... 13C-PCB-52	5.16e5	0.78	NO	0.786	1.000	31.27	31.27	0.852	0.852	NO	101.9	102	0.141	
180	1... 13C-PCB-47	5.26e5	0.80	NO	0.833	1.000	31.79	31.79	0.866	0.866	NO	98.14	98.1	0.133	
181	1... 13C-PCB-70	6.25e5	0.80	NO	0.981	1.000	35.42	35.42	0.965	0.965	NO	98.93	98.9	0.113	
182	1... 13C-PCB-80	6.40e5	0.78	NO	1.01	1.000	35.86	35.86	0.977	0.977	NO	98.09	98.1	0.109	
183	1... 13C-PCB-81	6.17e5	0.75	NO	0.995	1.000	39.06	39.06	1.064	1.064	NO	96.34	96.3	0.111	
184	1... 13C-PCB-77	6.16e5	0.80	NO	0.977	1.000	39.68	39.68	1.081	1.081	NO	98.06	98.1	0.113	
185	1... 13C-PCB-104	5.75e5	1.58	NO	1.00	1.000	32.46	32.46	0.827	0.827	NO	103.7	104	0.0558	
186	1... 13C-PCB-95	4.48e5	1.65	NO	0.779	1.000	35.72	35.73	0.910	0.910	NO	104.2	104	0.0719	
187	1... 13C-PCB-101	4.71e5	1.58	NO	0.833	1.000	37.48	37.48	0.954	0.955	NO	102.5	103	0.0673	
188	1... 13C-PCB-97	3.81e5	1.56	NO	0.679	1.000	38.81	38.82	0.988	0.989	NO	101.7	102	0.0825	
189	1... 13C-PCB-123	5.61e5	1.55	NO	0.970	1.000	41.48	41.47	1.056	1.056	NO	104.8	105	0.0578	
190	1... 13C-PCB-118	5.61e5	1.60	NO	1.00	1.000	41.65	41.65	1.061	1.061	NO	101.6	102	0.0560	
191	1... 13C-PCB-114	4.84e5	1.59	NO	1.55	1.000	42.33	42.33	0.908	0.908	NO	92.73	92.7	0.106	
192	1... 13C-PCB-105	4.95e5	1.58	NO	1.59	1.000	43.21	43.22	0.927	0.927	NO	92.18	92.2	0.103	
193	1... 13C-PCB-127	5.12e5	1.60	NO	1.66	1.000	43.57	43.58	0.934	0.935	NO	91.69	91.7	0.0987	
194	1... 13C-PCB-126	4.63e5	1.61	NO	1.65	1.000	45.52	45.53	0.976	0.976	NO	83.47	83.5	0.0994	
195	1... 13C-PCB-155	4.96e5	1.28	NO	0.819	1.000	37.00	37.00	0.942	0.942	NO	109.7	110	0.0349	
196	1... 13C-PCB-153	4.47e5	1.25	NO	1.31	1.000	43.39	43.39	0.930	0.931	NO	101.0	101	0.133	
197	1... 13C-PCB-141	3.68e5	1.27	NO	1.08	1.000	44.15	44.15	0.947	0.947	NO	100.8	101	0.161	
198	1... 13C-PCB-138	3.87e5	1.23	NO	1.15	1.000	45.01	45.02	0.965	0.965	NO	99.71	99.7	0.152	
199	1... 13C-PCB-159	4.60e5	1.27	NO	1.39	1.000	46.36	46.36	0.994	0.994	NO	97.88	97.9	0.125	
200	2... 13C-PCB-167	4.75e5	1.23	NO	1.43	1.000	47.06	47.06	1.009	1.009	NO	98.84	98.8	0.123	
201	2... 13C-PCB-156	4.42e5	1.25	NO	1.34	1.000	48.39	48.39	1.038	1.038	NO	98.07	98.1	0.131	
202	2... 13C-PCB-157	4.52e5	1.28	NO	1.36	1.000	48.68	48.68	1.044	1.044	NO	98.61	98.6	0.129	
203	2... 13C-PCB-169	4.28e5	1.27	NO	1.33	1.000	50.95	50.95	1.093	1.093	NO	95.48	95.5	0.131	
204	2... 13C-PCB-188	4.30e5	0.44	NO	1.39	1.000	43.01	43.01	0.926	0.926	NO	103.7	104	0.116	
205	2... 13C-PCB-180	2.69e5	0.45	NO	0.907	1.000	49.74	49.74	1.071	1.071	NO	99.20	99.2	0.178	
206	2... 13C-PCB-170	2.43e5	0.46	NO	0.823	1.000	51.38	51.38	1.106	1.106	NO	98.86	98.9	0.196	
207	2... 13C-PCB-189	3.23e5	0.45	NO	1.08	1.000	53.03	53.03	1.141	1.142	NO	100.7	101	0.150	
208	2... 13C-PCB-202	4.07e5	0.92	NO	1.23	1.000	48.62	48.62	1.046	1.046	NO	110.6	111	0.0853	
209	2... 13C-PCB-194	2.60e5	0.89	NO	0.710	1.000	54.63	54.63	0.995	0.995	NO	105.7	106	0.228	
210	2... 13C-PCB-208	3.31e5	0.77	NO	0.865	1.000	53.83	53.88	0.980	0.981	NO	110.5	110	0.221	
211	2... 13C-PCB-206	2.05e5	0.79	NO	0.623	1.000	56.21	56.21	1.024	1.024	NO	94.90	94.9	0.308	
212	2... 13C-PCB-209	2.09e5	1.25	NO	0.725	1.000	57.41	57.41	1.046	1.046	NO	83.14	83.1	0.0451	

50-1457

Dataset: U:\VG11.PRO\Results\210517K2\210517K2-1.qld

Last Altered: Monday, May 17, 2021 16:22:46 Pacific Daylight Time  
Printed: Monday, May 17, 2021 16:23:10 Pacific Daylight Time

Name: 210517K2\_1, Date: 17-May-2021, Time: 14:45:24, ID: ST210517K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	8.80e5	1.55	NO	1.00	1.000	25.53	25.54	1.000	0.000	NO	100.0	100	0.0534	
214	2... 13C-PCB-31	6.77e5	1.00	NO	1.00	1.000	28.67	28.68	1.000	0.000	NO	100.0	100	0.390	
215	2... 13C-PCB-60	6.43e5	0.76	NO	1.00	1.000	36.69	36.70	1.000	0.000	NO	100.0	100	0.111	
216	2... 13C-PCB-111	5.52e5	1.58	NO	1.00	1.000	39.26	39.27	1.000	0.000	NO	100.0	100	0.0560	
217	2... 13C-PCB-128	3.37e5	1.23	NO	1.00	1.000	46.63	46.63	1.000	0.000	NO	100.0	100	0.175	
218	2... 13C-PCB-182	2.99e5	0.45	NO	1.00	1.000	46.44	46.46	0.000	0.000	NO	100.0	100	0.161	
219	2... 13C-PCB-205	3.47e5	0.92	NO	1.00	1.000	54.93	54.91	1.000	0.000	NO	100.0	100	0.162	
220	2... 13C-PCB-79	6.46e5	0.79	NO	1.04	1.000	37.81	37.80	1.030	1.030	NO	96.96	97.0	0.107	75/100
221	2... 13C-PCB-178	2.73e5	0.42	NO	0.774	1.000	45.90	45.89	0.988	0.988	NO	104.5	105	0.189	
222	2... 13C-PCB-79	6.46e5	0.79	NO	1.04	1.000	37.79	37.80	0.967	0.968	NO	100.6	101	0.112	
223	2... 13C-PCB-178	2.73e5	0.42	NO	1.02	1.000	45.89	45.89	0.923	0.923	NO	99.75	99.7	0.184	

Dataset: Untitled

Last Altered: Tuesday, May 18, 2021 09:50:20 Pacific Daylight Time

Printed: Tuesday, May 18, 2021 09:50:30 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_5-17-21.mdb 17 May 2021 16:25:28  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 18:49:42

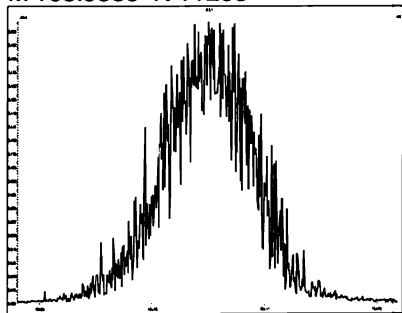
Compound name: PCB-1

	Name	ID	Acq.Date	Acq.Time
1	210517K2_1	ST210517K2-1 PCB 209 CS3 20J1217	17-May-21	14:45:24
2	210517K2_2	B1E0097-BS4 OPR 10	17-May-21	15:47:02
3	210517K2_3	B1E0066-BS5 OPR 1	17-May-21	16:46:51
4	210517K2_4	B1E0094-BS1 OPR 10	17-May-21	17:47:41
5	210517K2_5	B1E0116-BS1 OPR 10	17-May-21	18:48:31
6	210517K2_6	SOLVENT BLANK	17-May-21	19:49:20
7	210517K2_7	B1E0094-BLK1 Method Blank 10	17-May-21	20:50:11
8	210517K2_8	B1E0066-BLK5 Method Blank 1	17-May-21	21:51:01
9	210517K2_9	B1E0116-BLK1 Method Blank 10	17-May-21	22:51:50
10	210517K2_10	2104273-01 SPE068TIS-30G 1.06	17-May-21	23:52:39
11	210517K2_11	2104273-01@30X SPE068TIS-30G 1.06	18-May-21	00:53:27
12	210517K2_12	2105047-01 USMPDI-028SG-210504 10.63	18-May-21	01:54:16
13	210517K3_1	SOLVENT BLANK	18-May-21	03:03:39
14	210517K3_2	ST210517K3-1 PCB 209 CS3 20J1217	18-May-21	04:03:30

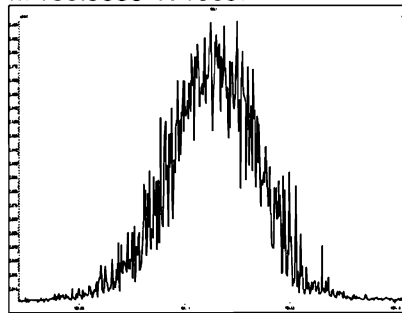
File: Experiment: pcb\_zb1.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Monday, May 17, 2021 14:37:58 Pacific Daylight Time

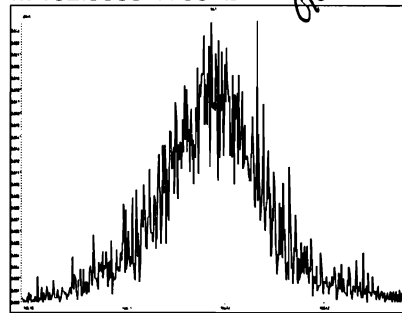
M 168.9888 R 11208



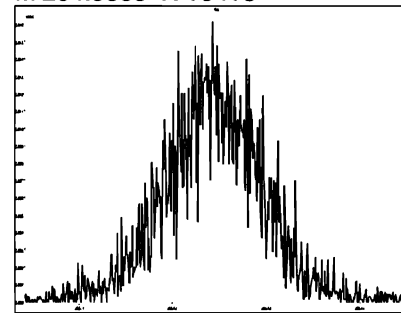
M 180.9888 R 10637



M 192.9888 R 9542



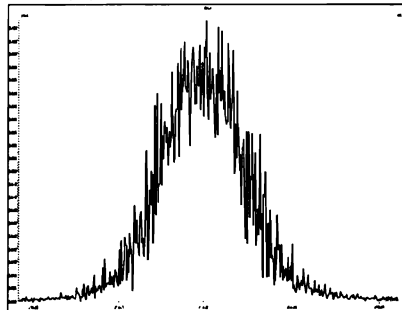
M 204.9888 R 10415



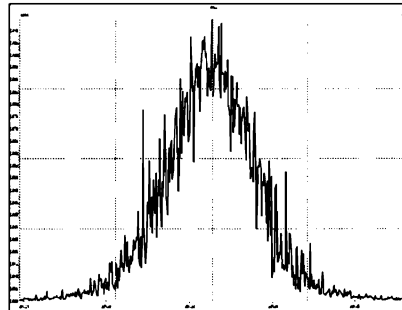
File: Experiment: pcb\_zb1.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Monday, May 17, 2021 14:39:28 Pacific Daylight Time

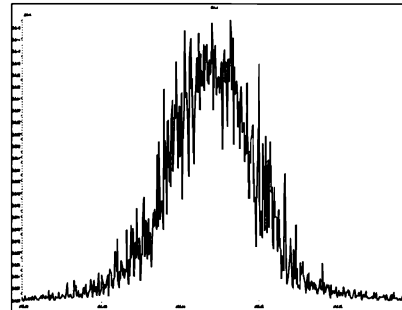
M 218.9856 R 11683



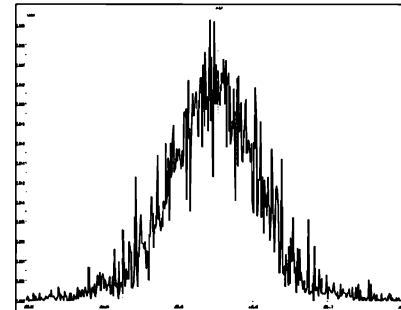
M 230.9856 R 10821



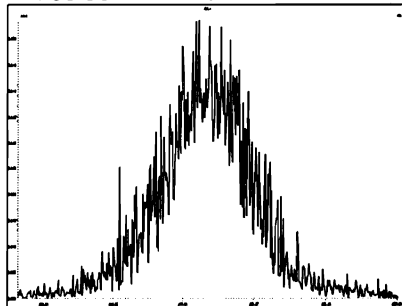
M 242.9856 R 11059



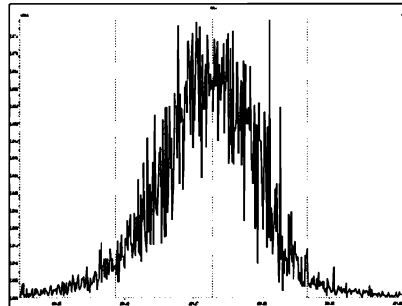
M 254.9856 R 11015



M 268.9824 R 11524



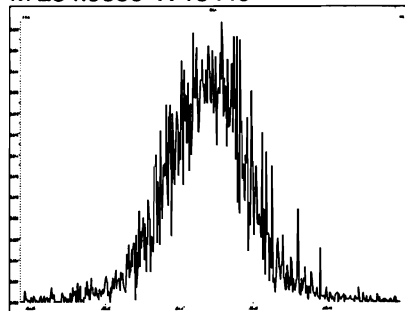
M 280.9824 R 10418



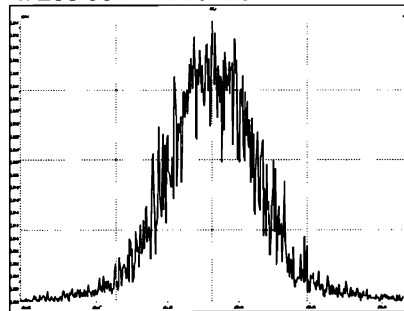
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Printed: Monday, May 17, 2021 14:42:08 Pacific Daylight Time

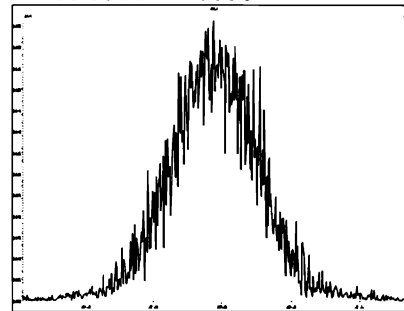
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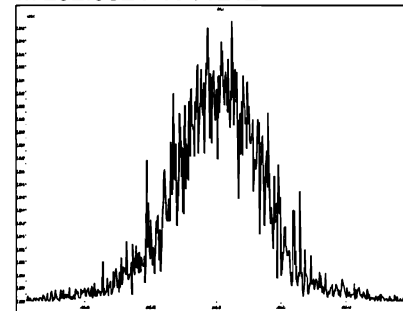
M 268.9824 R 10126



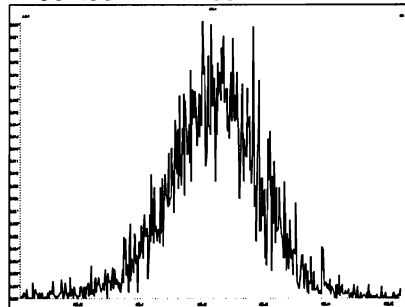
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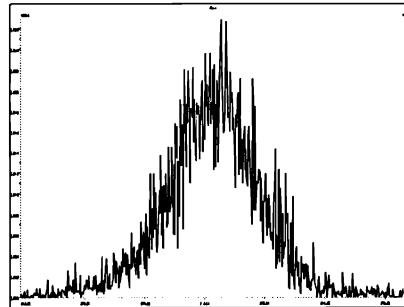
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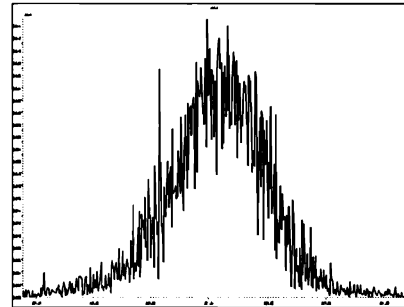
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M 318.9792 R 11960

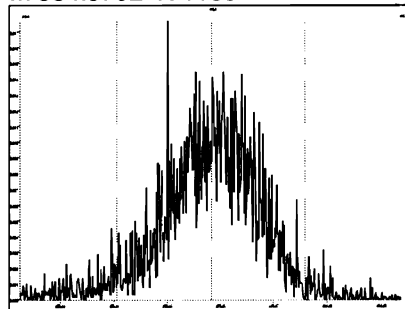


M 330.9792 R 10778

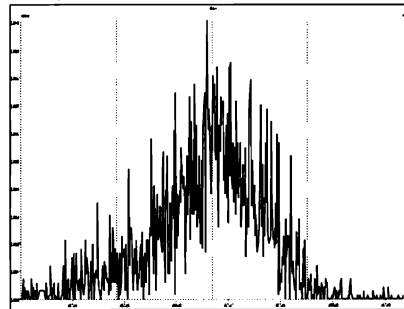


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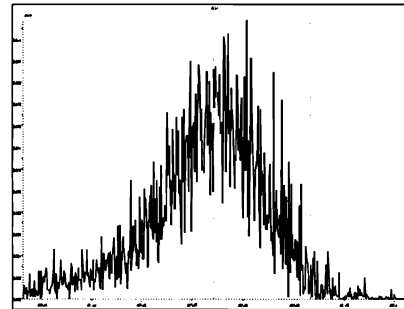
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M 366.9792 R 17358



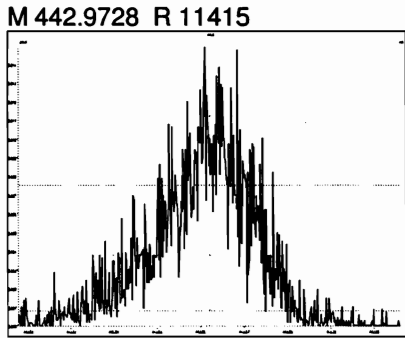
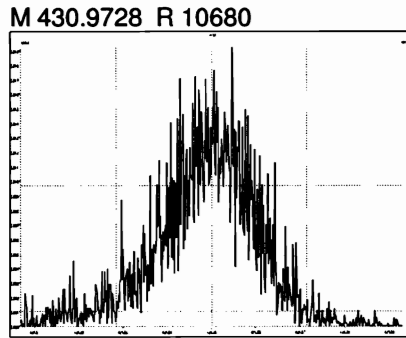
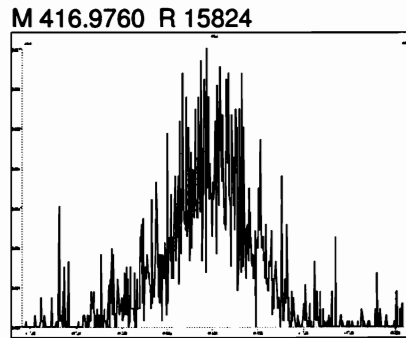
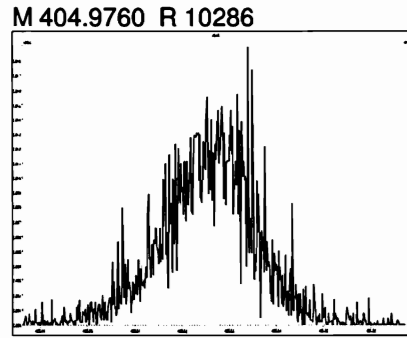
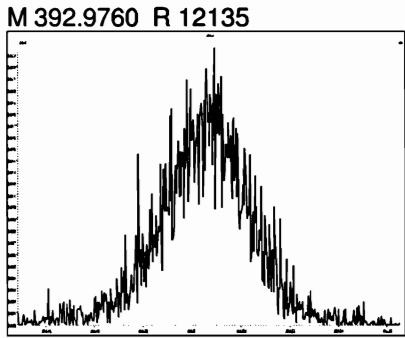
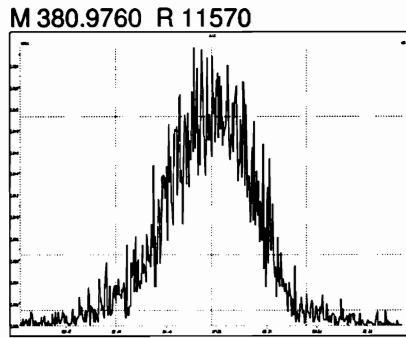
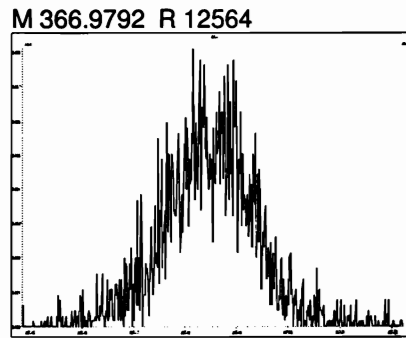
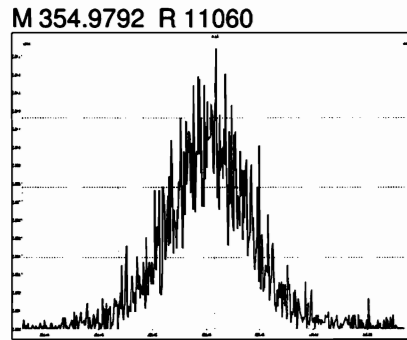
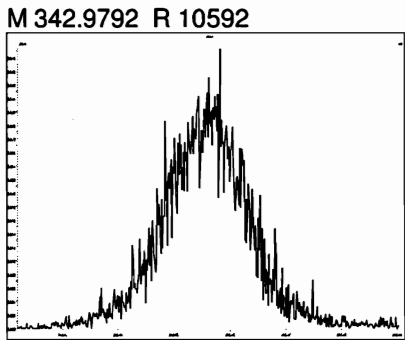
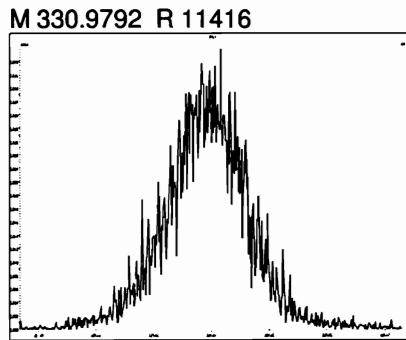
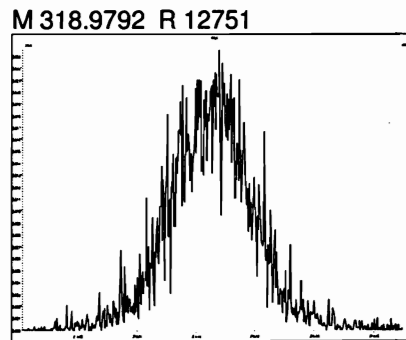
M 380.9760 R 12137





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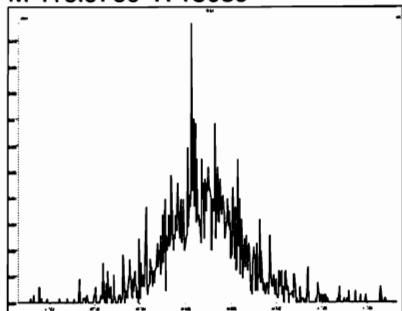
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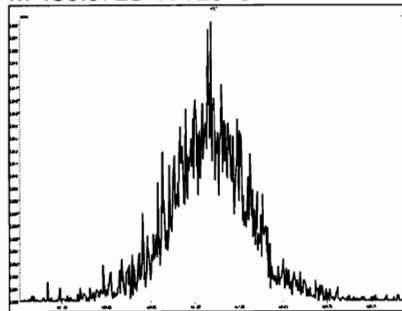
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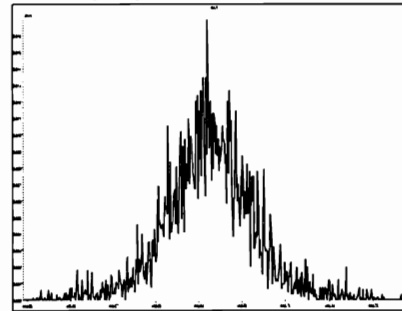
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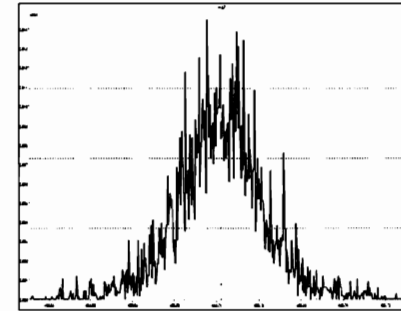
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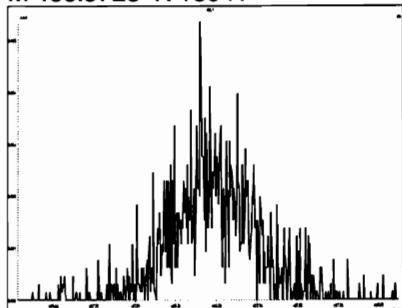
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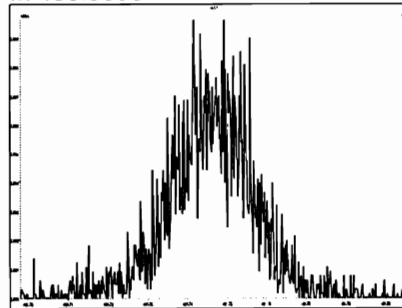
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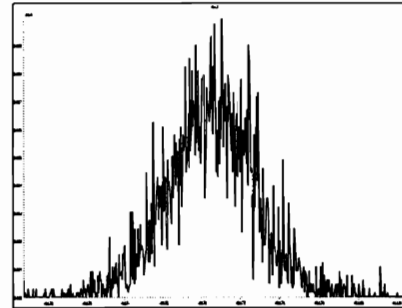
M 466.9728 R 18941



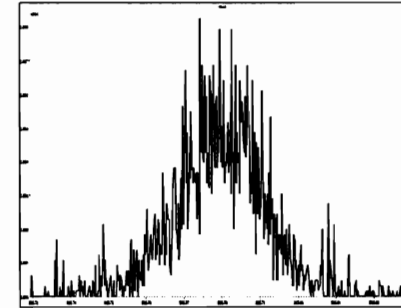
M 480.9696 R 14881



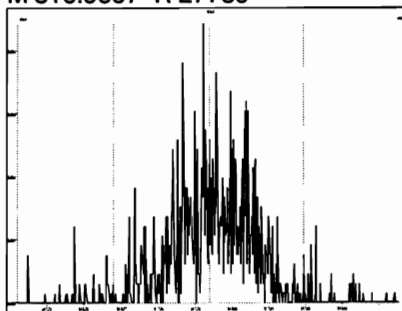
M 492.9696 R 10916



M 504.9696 R 11163



M 516.9697 R 27789



Dataset: Untitled

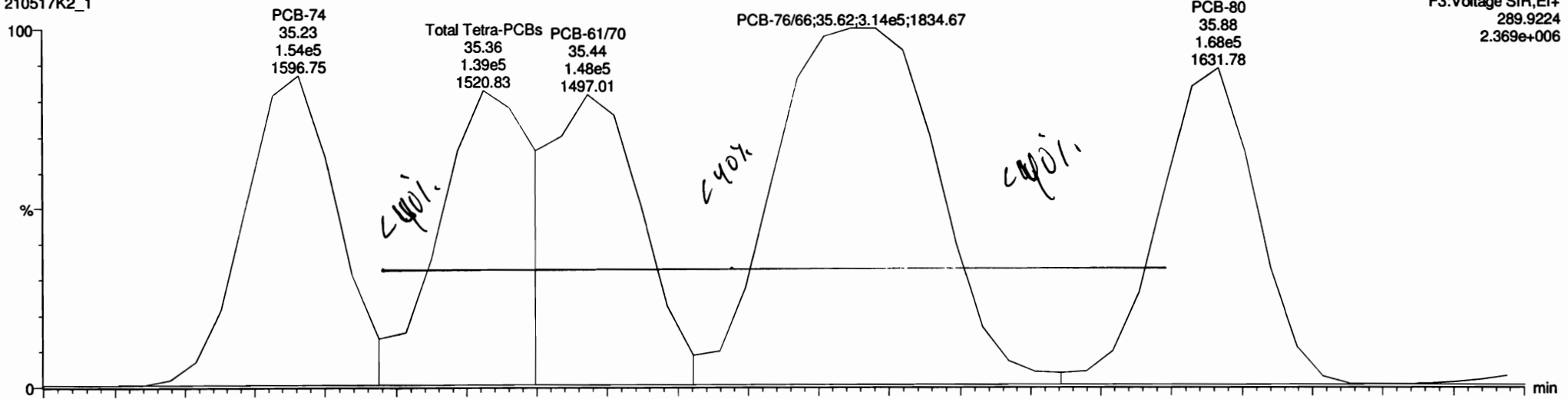
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Printed: Monday, May 17, 2021 16:30:01 Pacific Daylight Time

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Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 18:49:42

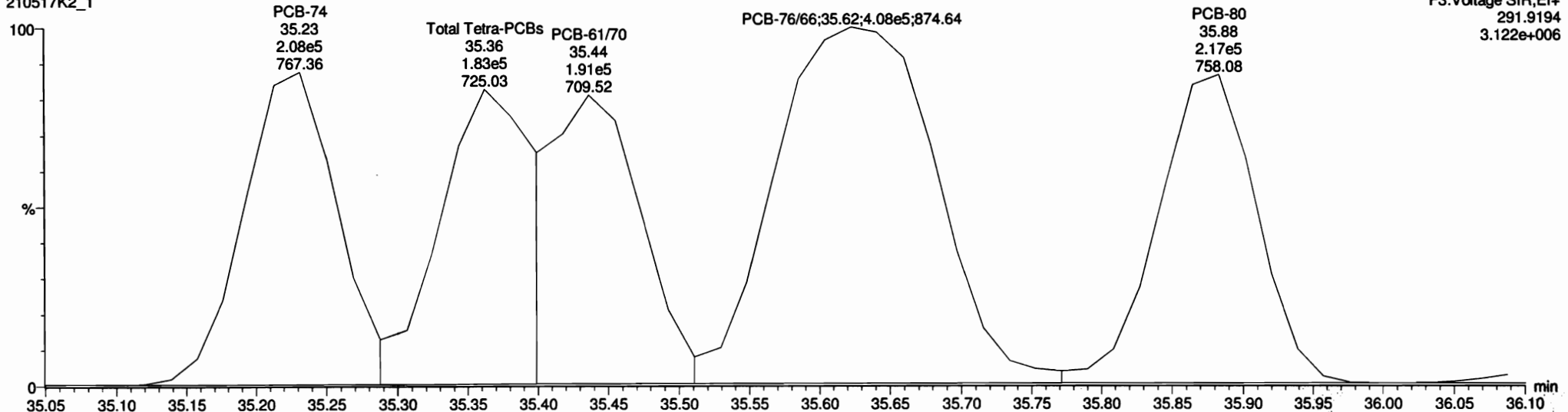
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PCB-74

210517K2\_1



210517K2\_1



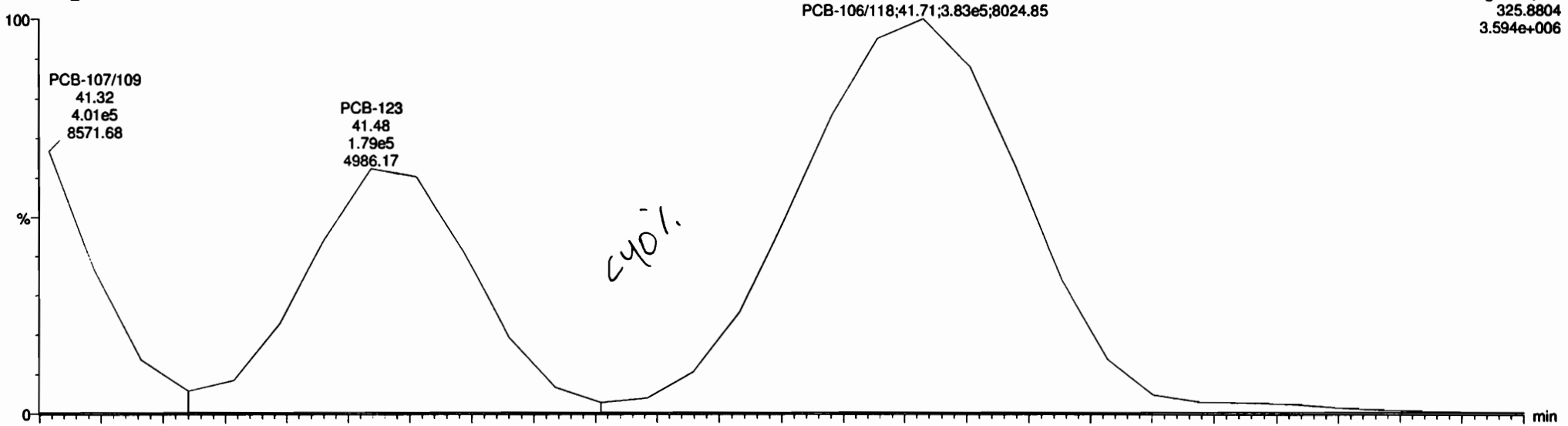
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Last Altered: Monday, May 17, 2021 16:24:37 Pacific Daylight Time  
Printed: Monday, May 17, 2021 16:30:01 Pacific Daylight Time

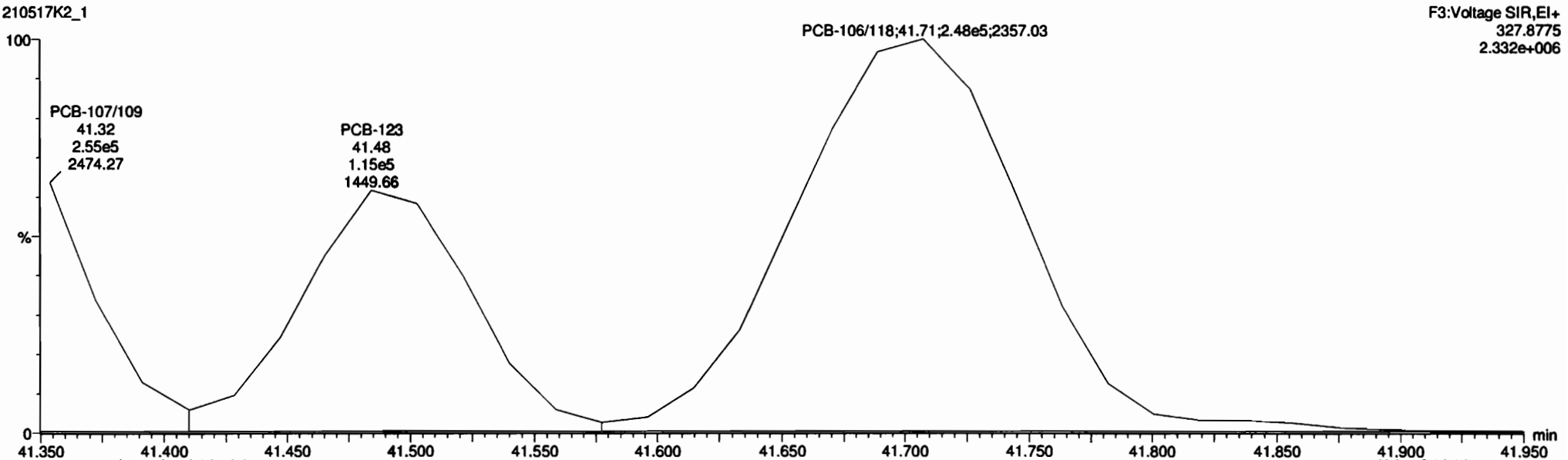
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PCB-123

210517K2\_1



210517K2\_1



Dataset: Untitled

Last Altered: Monday, May 17, 2021 16:24:37 Pacific Daylight Time

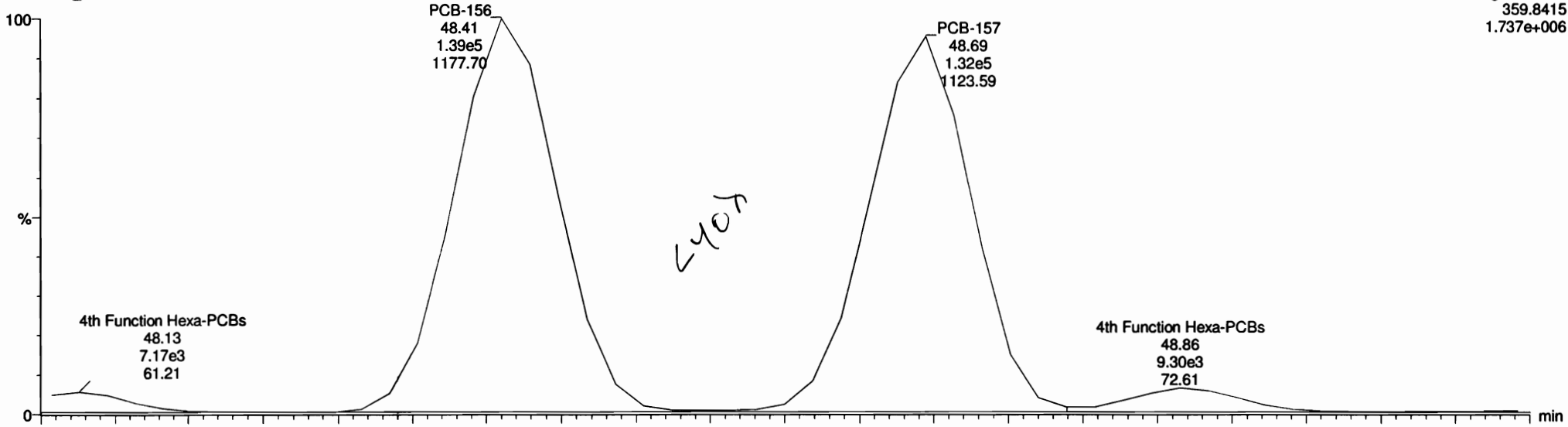
Printed: Monday, May 17, 2021 16:30:01 Pacific Daylight Time

Name: 210517K2\_1, Date: 17-May-2021, Time: 14:45:24, ID: ST210517K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

PCB-156

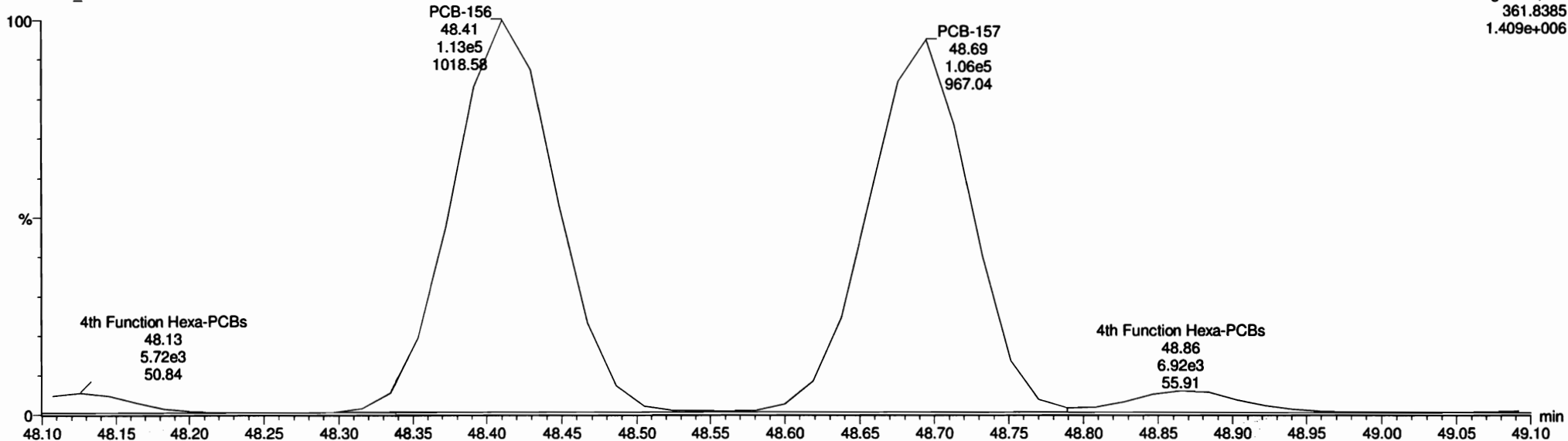
210517K2\_1

F4:Voltage SIR,EI+  
359.8415  
1.737e+006



210517K2\_1

F4:Voltage SIR,EI+  
361.8385  
1.409e+006



Dataset: Untitled

Last Altered: Monday, May 17, 2021 16:24:37 Pacific Daylight Time

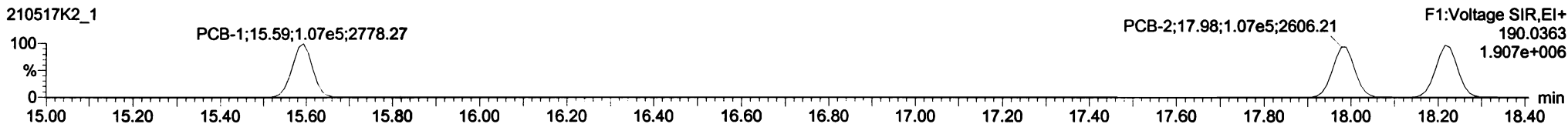
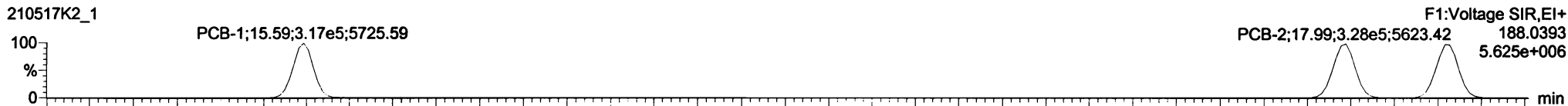
Printed: Monday, May 17, 2021 16:27:53 Pacific Daylight Time

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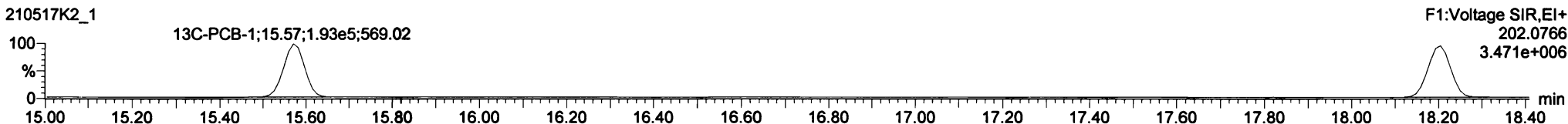
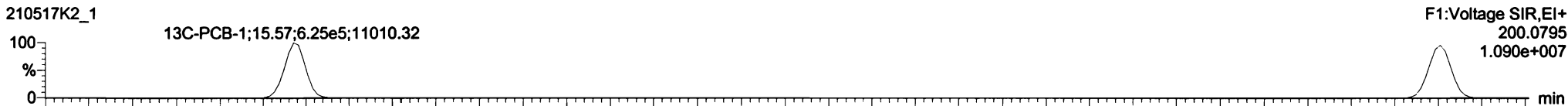
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 18:49:42

Name: 210517K2\_1, Date: 17-May-2021, Time: 14:45:24, ID: ST210517K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

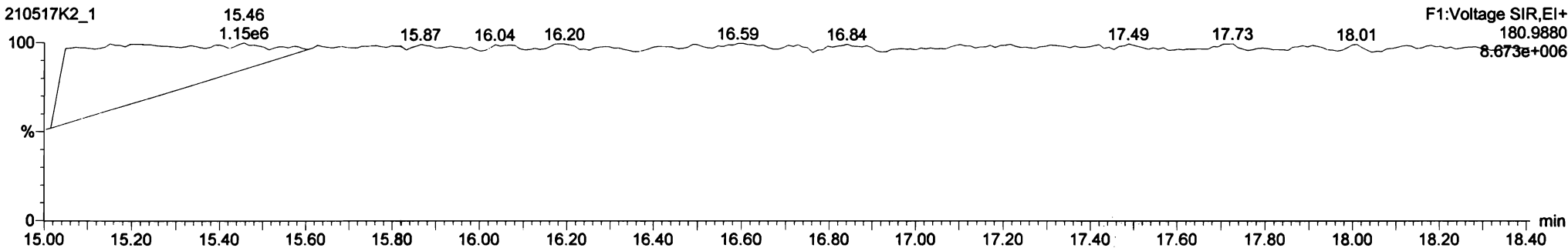
**PCB-1**



**13C-PCB-1**



**PFK1**



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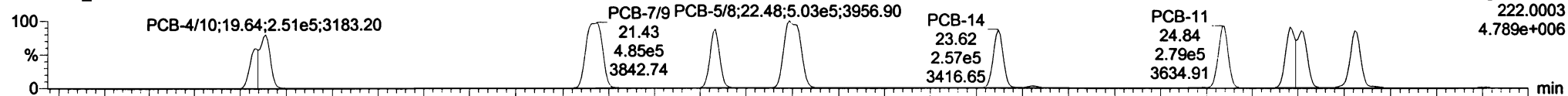
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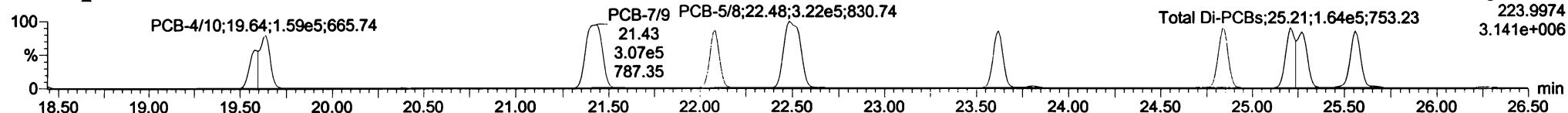
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**PCB-4/10**

210517K2\_1

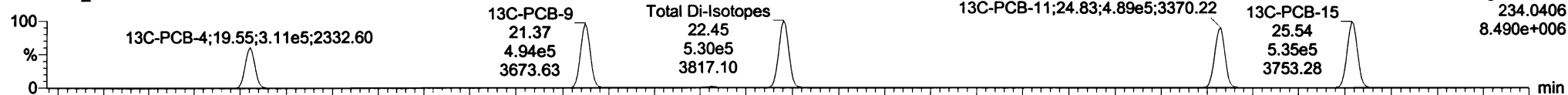


210517K2\_1

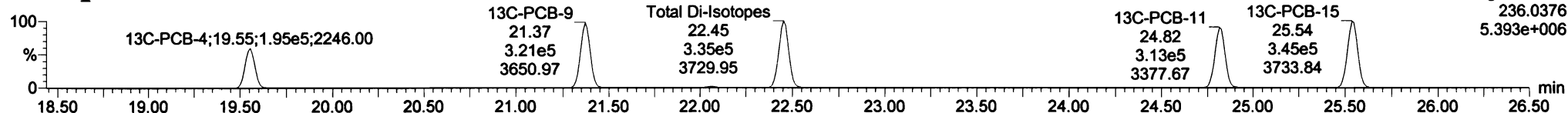


**13C-PCB-4**

210517K2\_1

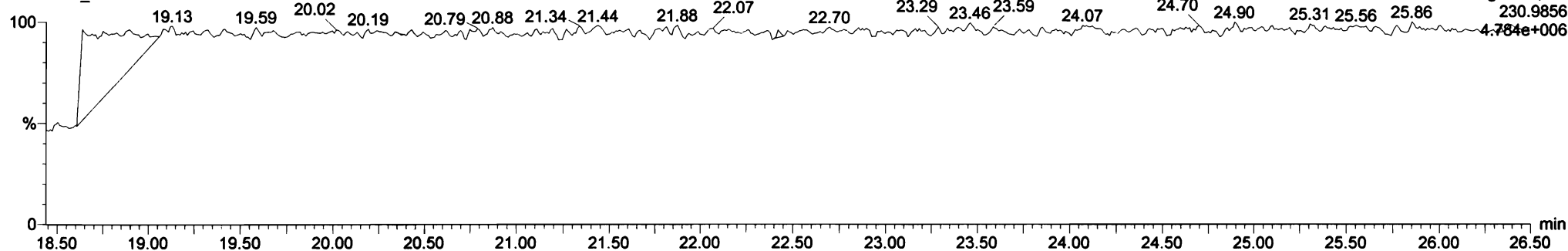


210517K2\_1



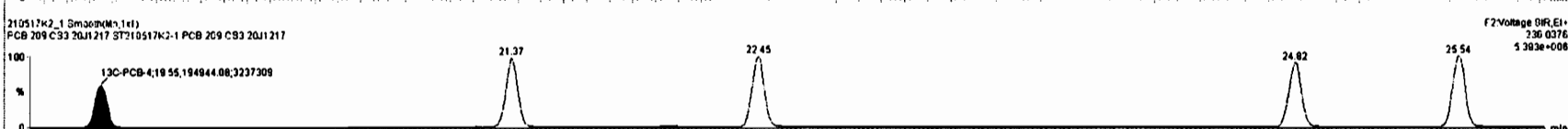
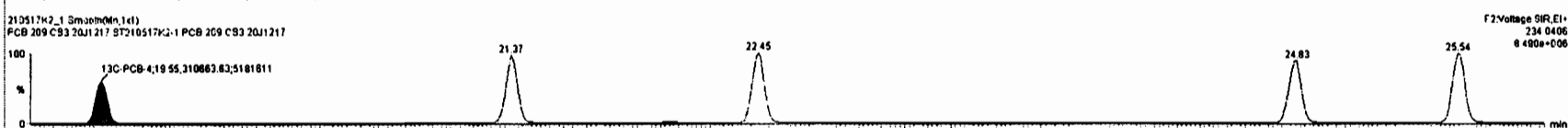
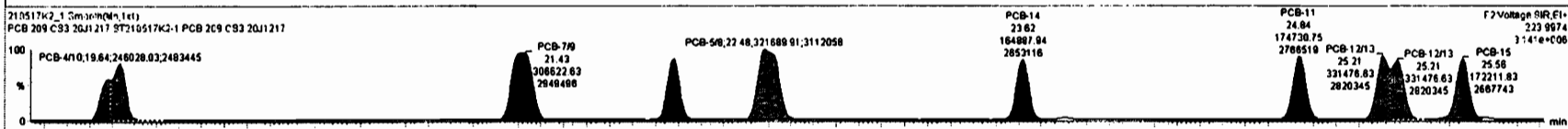
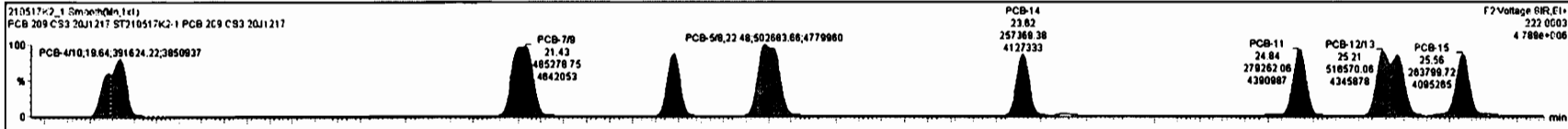
**PFK2a**

210517K2\_1



#	Name	Resp	RA	rvy	RFF	wtAve	PredRT	RT	PipeR...	RRT	RRT Fat	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0034	1.000	0.00	0.000		NO	156.4		0.0716	156.4	
225	225 Total Di-PCBs				1.0367	1.000	0.00	0.000		NO	622.3		0.635	622.6	
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00	0.000		NO	425.7		0.195	425.7	
227	227 3rd Function Tri-PCBs				0.9887	1.000	0.00	0.000		NO	625.4		0.671	625.4	
228	228 Total Tetra-PCBs				0.9810	1.000	0.00	0.000		NO	2280		4.28	2280	

#	Name	PredRT	RT	wt Resp	sd Resp	* Ratio (Pred)	RA	rvy	EMPC	Conc.
1	4 PCB-4/10	19.84	19.84	3.916e5	2.480e5	1.580	1.58	NO	104.45	104.45
2	5 PCB-7/9	21.43	21.43	4.853e5	3.088e5	1.580	1.58	NO	103.44	103.44
3	6 PCB-8	22.08	22.08	2.544e5	1.629e5	1.580	1.58	NO	51.362	51.362
4	7 PCB-5/8	22.48	22.48	5.027e5	3.217e5	1.580	1.58	NO	103.81	103.81
5	8 PCB-14	23.82	23.82	2.574e5	1.648e5	1.580	1.58	NO	51.478	51.478
6	9 PCB-11	24.85	24.84	2.783e5	1.747e5	1.580	1.60	NO	50.774	50.774
7	10 PCB-12/13	25.28	25.21	5.188e5	3.315e5	1.580	1.58	NO	103.88	103.88



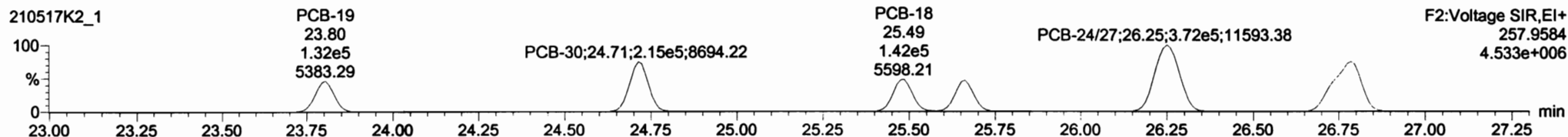
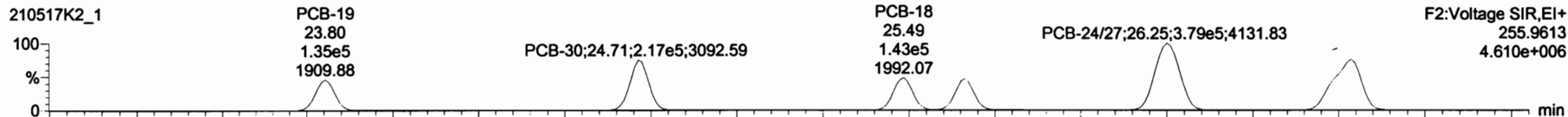


Dataset: Untitled

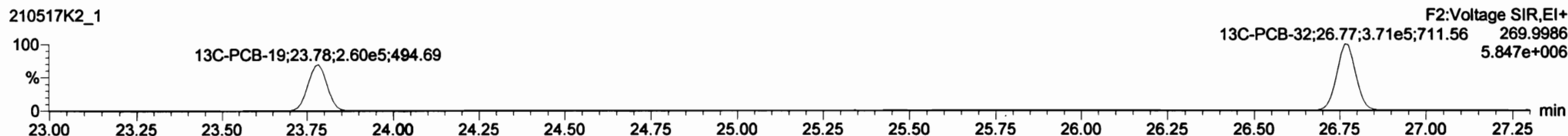
Last Altered: Monday, May 17, 2021 16:24:37 Pacific Daylight Time  
Printed: Monday, May 17, 2021 16:27:53 Pacific Daylight Time

Name: 210517K2\_1, Date: 17-May-2021, Time: 14:45:24, ID: ST210517K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

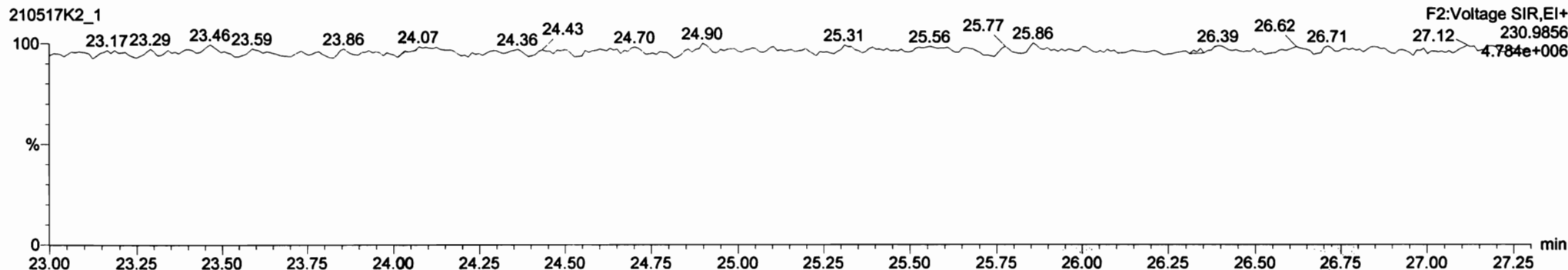
**PCB-19**



**13C-PCB-19**



**PFK2b**



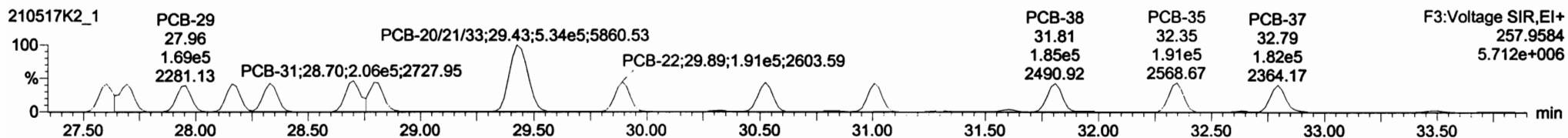
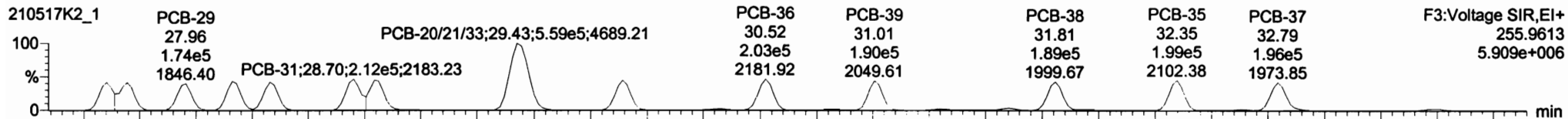
Dataset: Untitled

Last Altered: Monday, May 17, 2021 16:24:37 Pacific Daylight Time

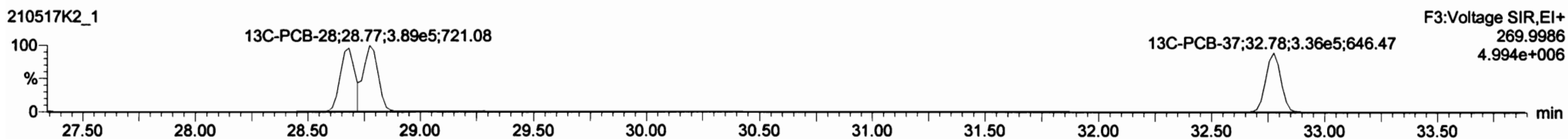
Printed: Monday, May 17, 2021 16:27:53 Pacific Daylight Time

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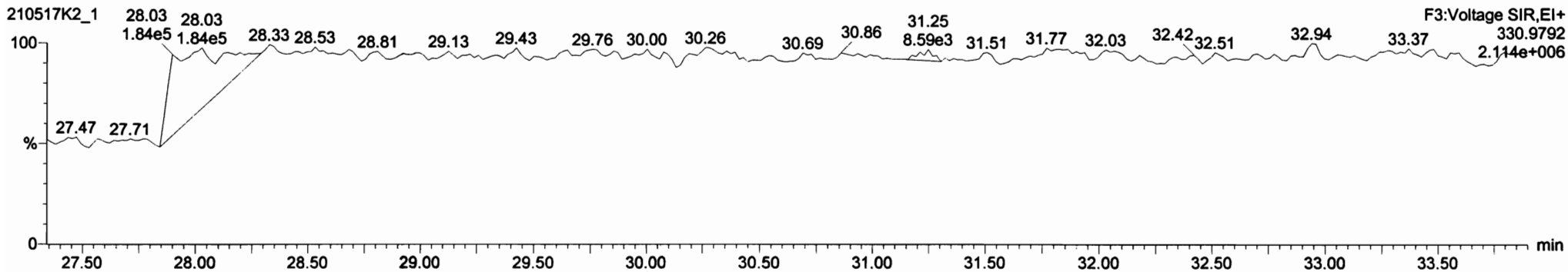
**PCB-34**



**13C-PCB-28**



**PFK3d**



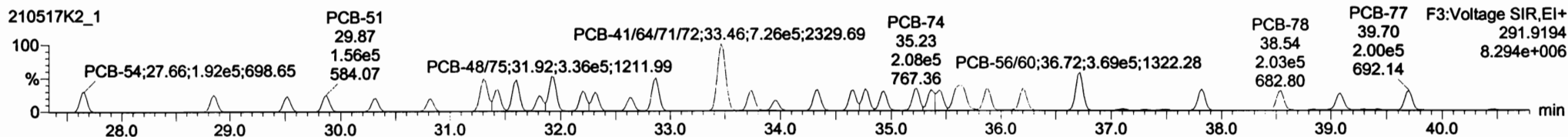
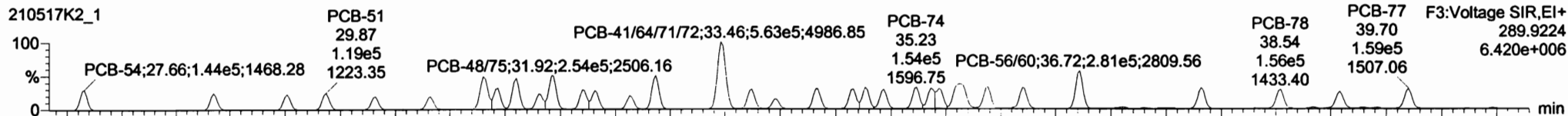
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Last Altered: Monday, May 17, 2021 16:24:37 Pacific Daylight Time

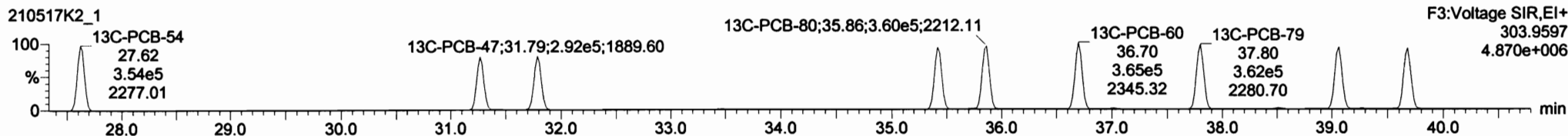
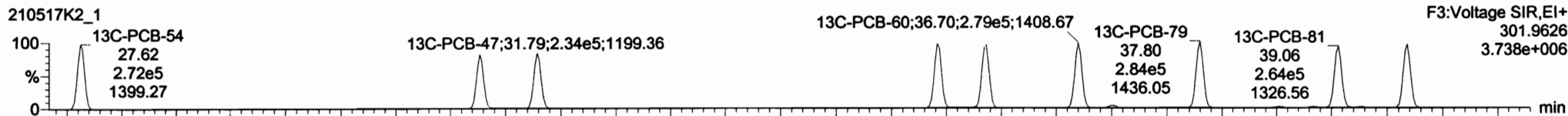
Printed: Monday, May 17, 2021 16:27:53 Pacific Daylight Time

Name: 210517K2\_1, Date: 17-May-2021, Time: 14:45:24, ID: ST210517K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

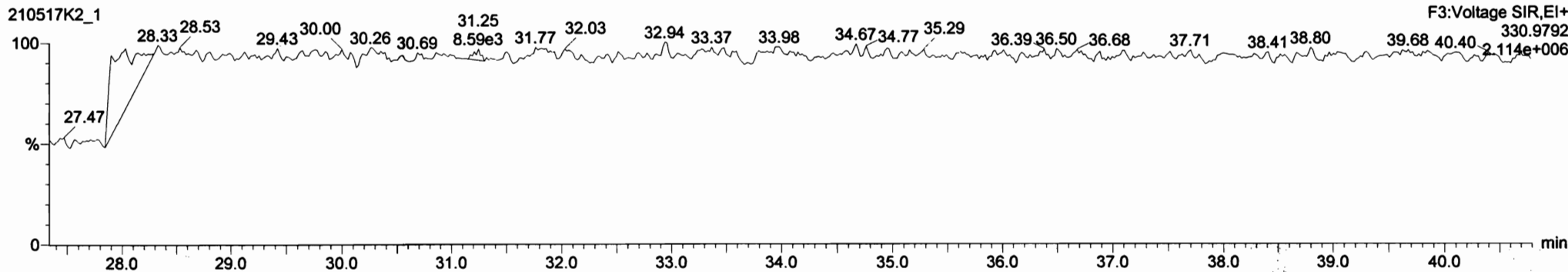
**PCB-54**



**13C-PCB-54**



**PFK3a**



Dataset: Untitled

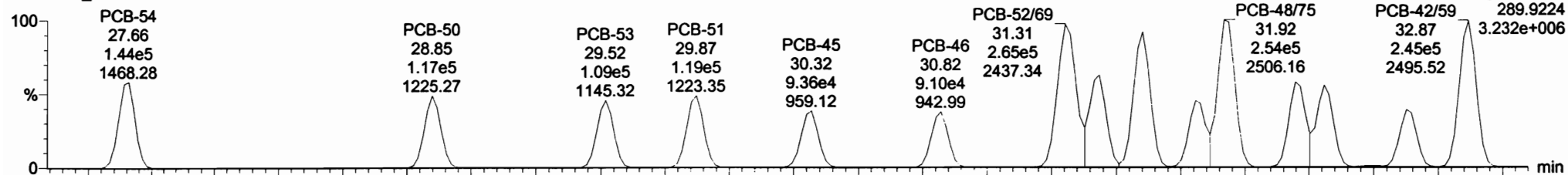
Last Altered: Monday, May 17, 2021 16:24:37 Pacific Daylight Time

Printed: Monday, May 17, 2021 16:27:53 Pacific Daylight Time

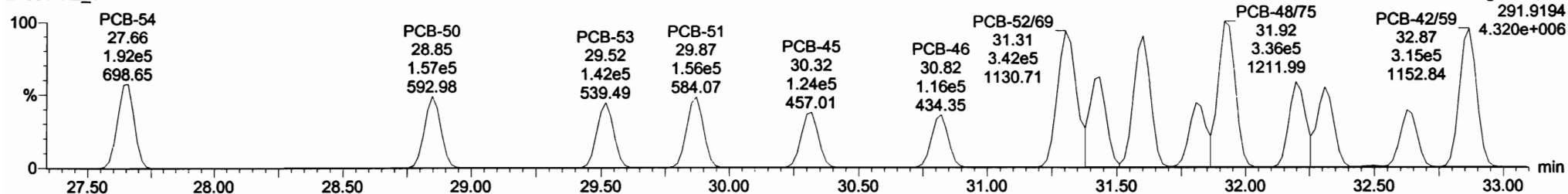
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PCB-50

210517K2\_1

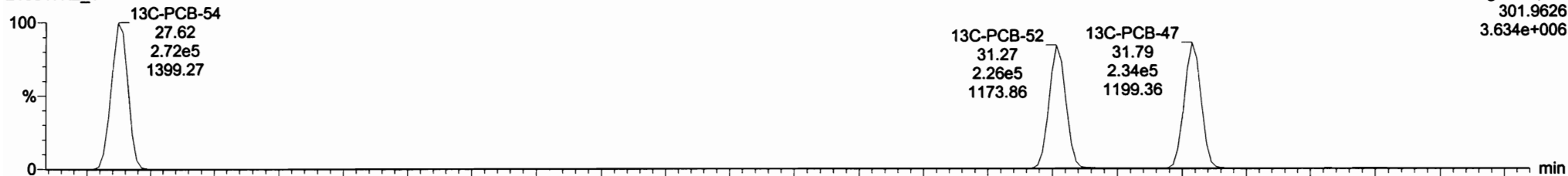


210517K2\_1

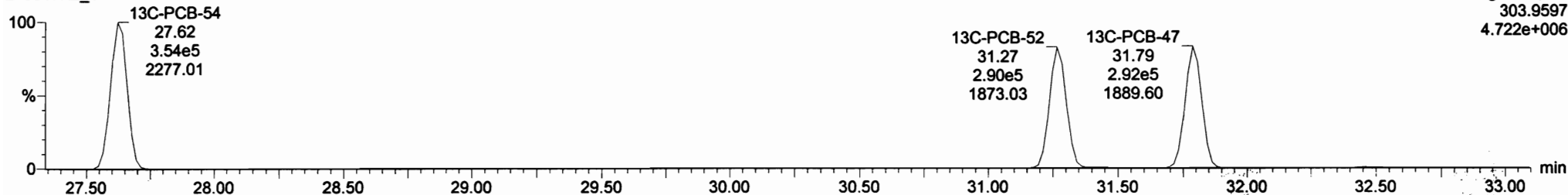


13C-PCB-52

210517K2\_1



210517K2\_1



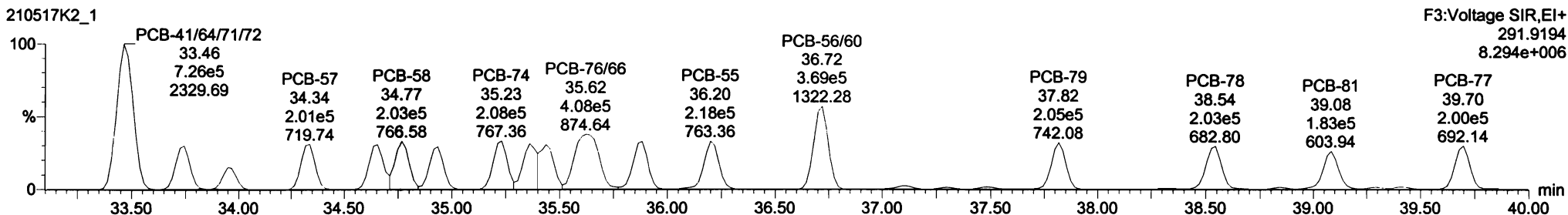
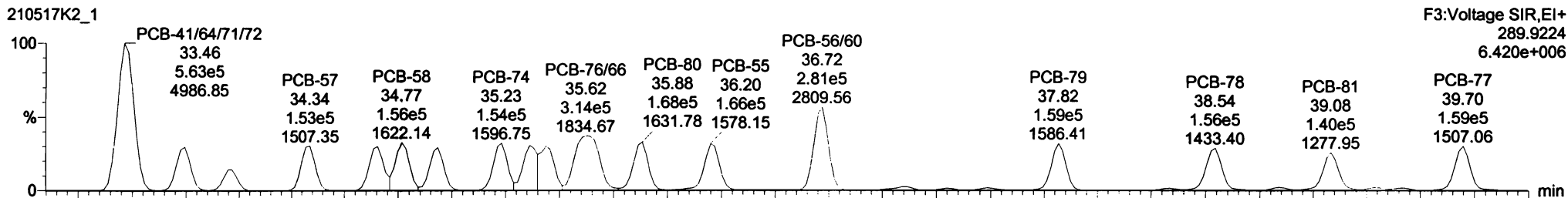
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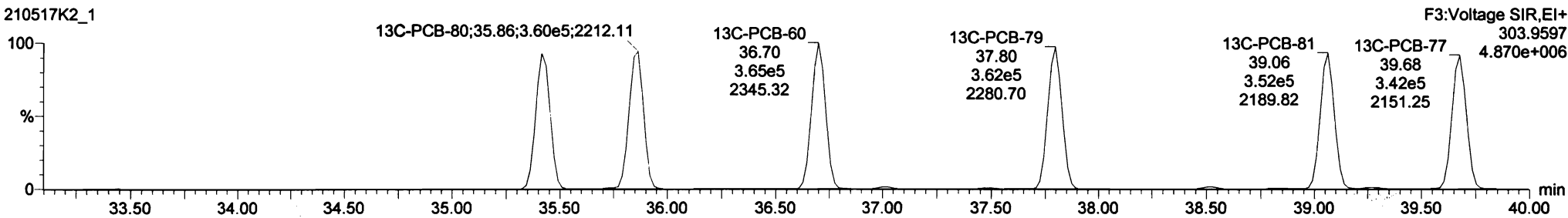
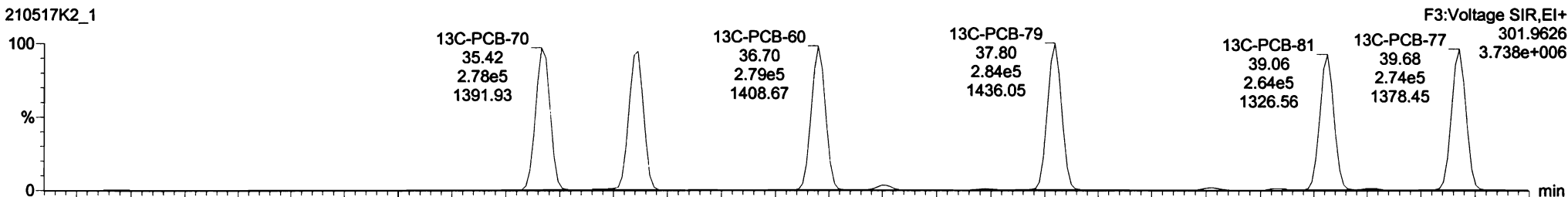
Printed: Monday, May 17, 2021 16:27:53 Pacific Daylight Time

Name: 210517K2\_1, Date: 17-May-2021, Time: 14:45:24, ID: ST210517K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

**PCB-68**

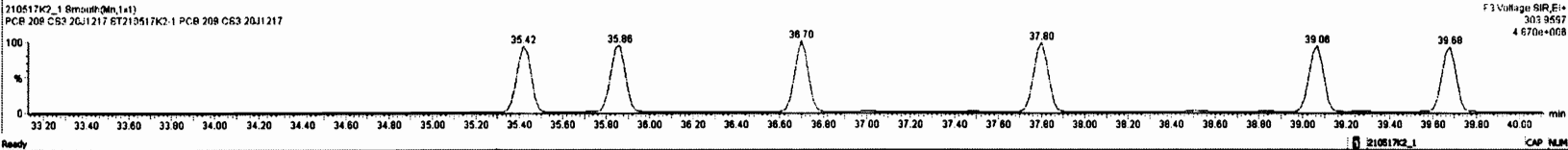
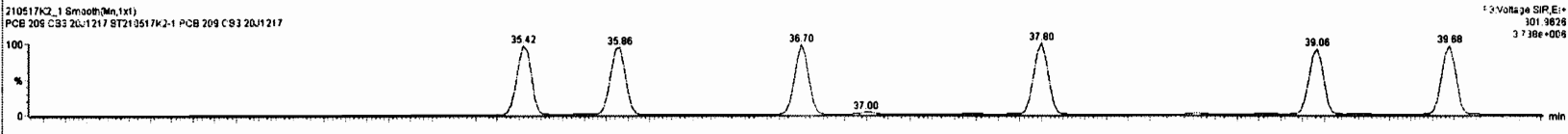
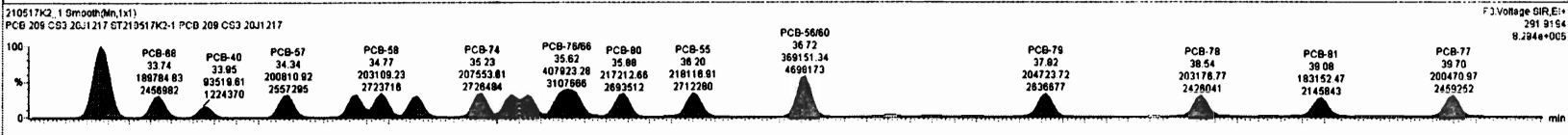
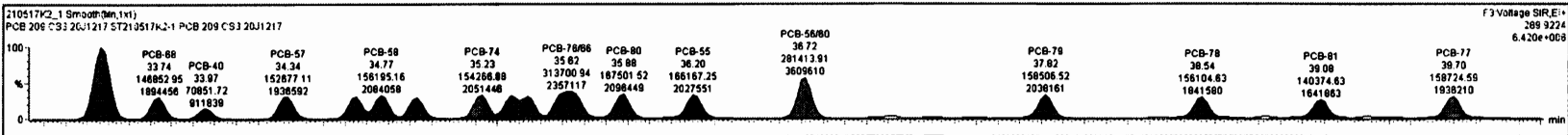


**13C-PCB-60**



#	Name	Resp	RA	rvy	RFV	wbval	PredRT	RT	PredRT1	NRT	NRT Fail	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs				1.0034	1.000	0.00	0.008		NO		158.4		0.0718	158.4
225	Total Di-PCBs				1.0387	1.000	0.00	0.008		NO		622.5		0.635	622.5
226	2nd Function Tri-PCBs				0.9434	1.000	0.00	0.008		NO		425.7		0.195	425.7
227	3rd Function Tri-PCBs				0.9887	1.000	0.00	0.008		NO		625.4		0.871	625.4
228	Total Tetra-PCBs				0.9816	1.000	0.00	0.008		NO		2281		4.28	2281

#	Name	PredRT	RT	int Resp	mSump	1 <sup>st</sup> Ratio (Pred)	RA	rvy	EMPC	Conc.
1	33 PCB-54	27.84	27.86	1.436e5	1.916e5	0.770	0.75	NO	54.908	54.908
2	33 PCB-50	28.86	28.85	1.168e5	1.280e5	0.770	0.74	NO	54.301	54.301
3	34 PCB-53	28.52	28.52	1.081e5	1.423e5	0.770	0.77	NO	51.834	51.834
4	35 PCB-51	29.87	29.87	1.195e5	1.280e5	0.770	0.77	NO	53.465	53.465
5	36 PCB-45	30.32	30.32	9.364e4	1.238e5	0.770	0.76	NO	52.567	52.567
6	37 PCB-48	30.82	30.82	9.103e4	1.158e5	0.770	0.78	NO	52.084	52.084
7	38 PCB-52/69	31.31	31.31	2.847e5	3.417e5	0.770	0.77	NO	108.68	108.68



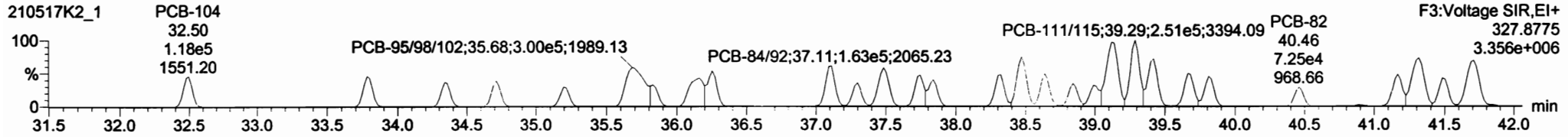
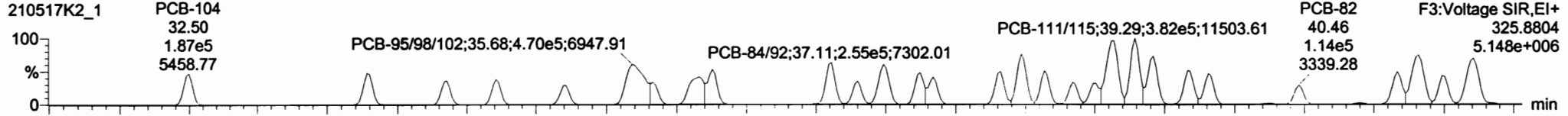
Dataset: Untitled

Last Altered: Monday, May 17, 2021 16:24:37 Pacific Daylight Time

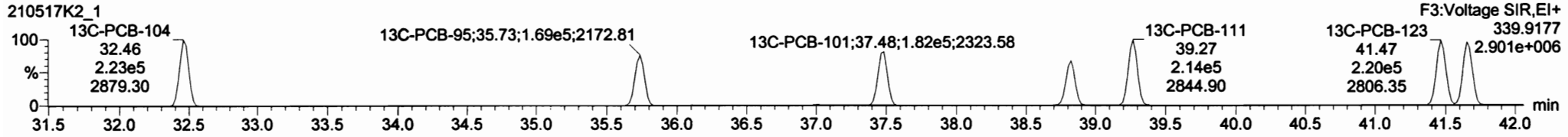
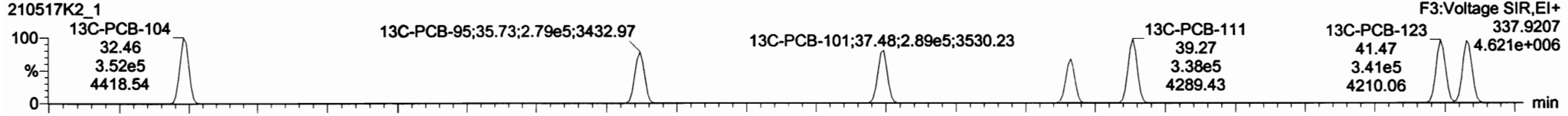
Printed: Monday, May 17, 2021 16:27:53 Pacific Daylight Time

Name: 210517K2\_1, Date: 17-May-2021, Time: 14:45:24, ID: ST210517K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

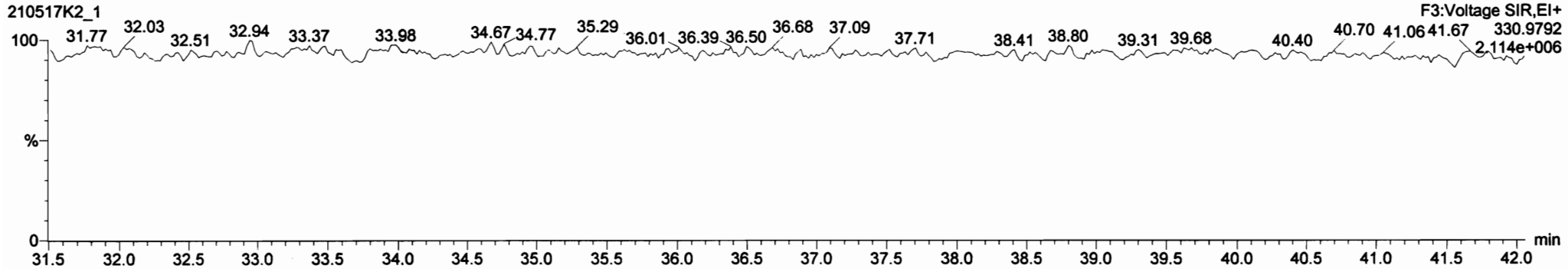
**PCB-104**



**13C-PCB-104**



**PFK3b**



Dataset: Untitled

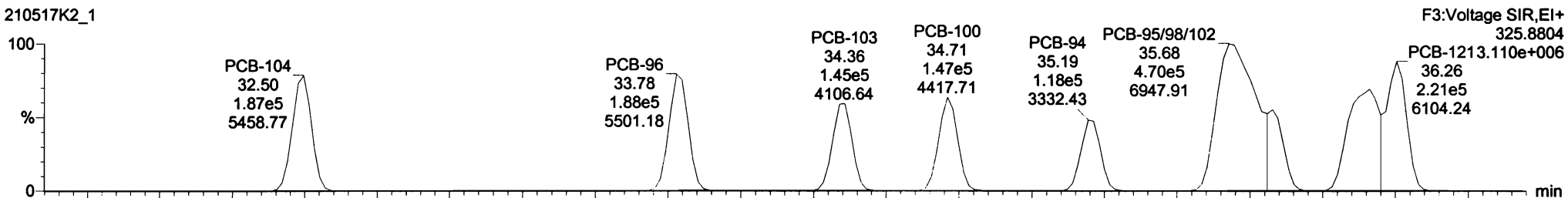
Last Altered: Monday, May 17, 2021 16:24:37 Pacific Daylight Time

Printed: Monday, May 17, 2021 16:27:53 Pacific Daylight Time

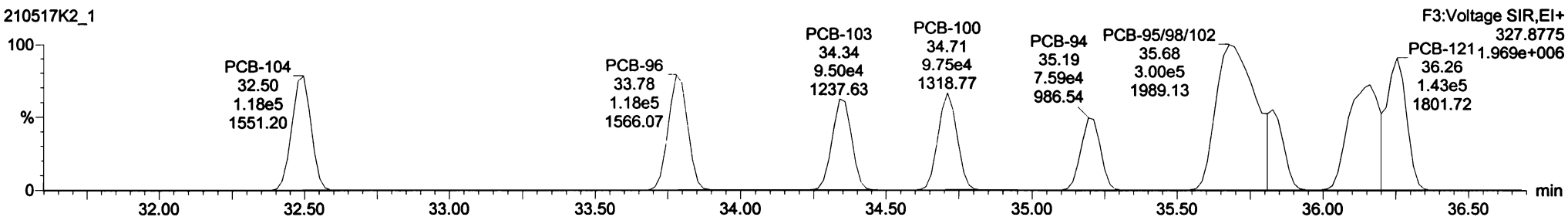
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PCB-96

210517K2\_1

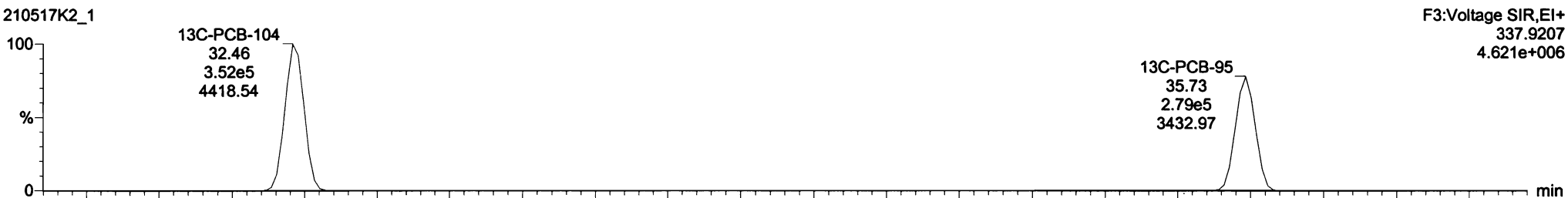


210517K2\_1

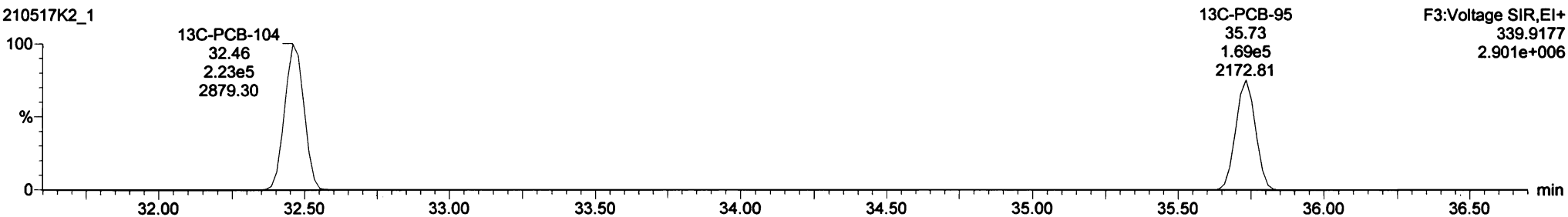


13C-PCB-95

210517K2\_1



210517K2\_1





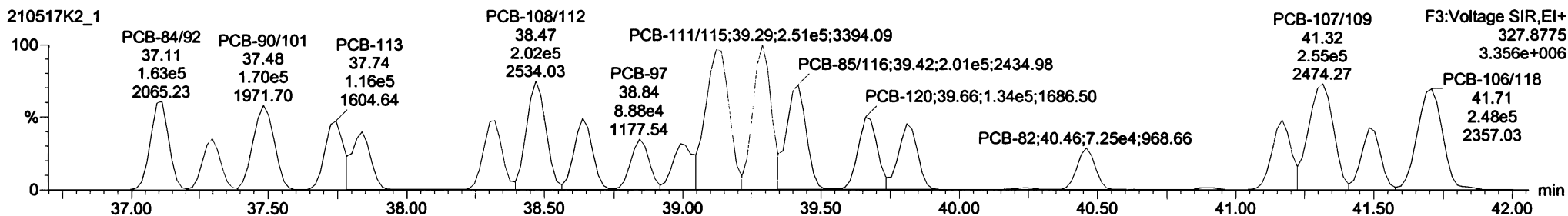
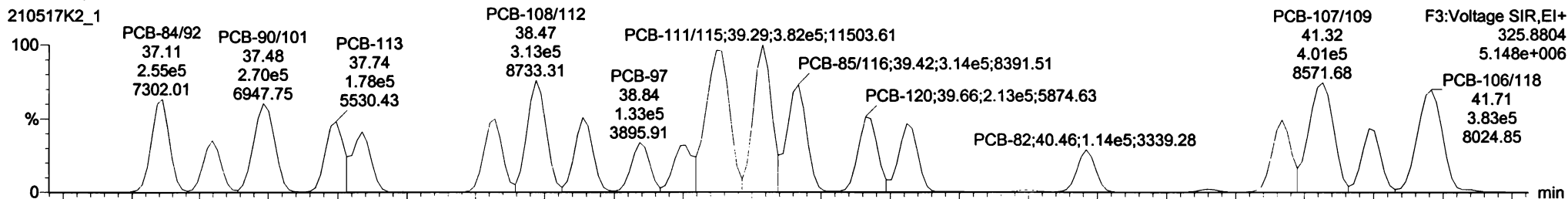
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Last Altered: Monday, May 17, 2021 16:24:37 Pacific Daylight Time

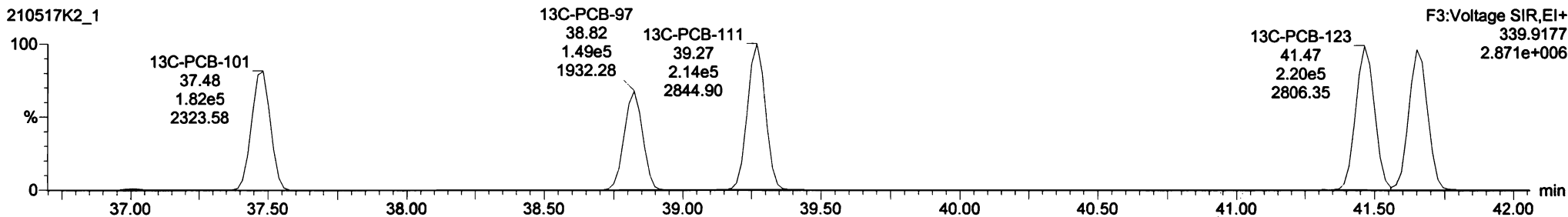
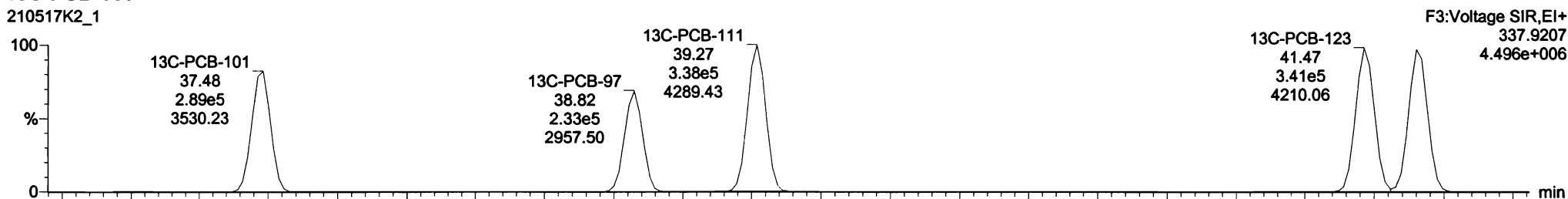
Printed: Monday, May 17, 2021 16:27:53 Pacific Daylight Time

Name: 210517K2\_1, Date: 17-May-2021, Time: 14:45:24, ID: ST210517K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

PCB-119



13C-PCB-111



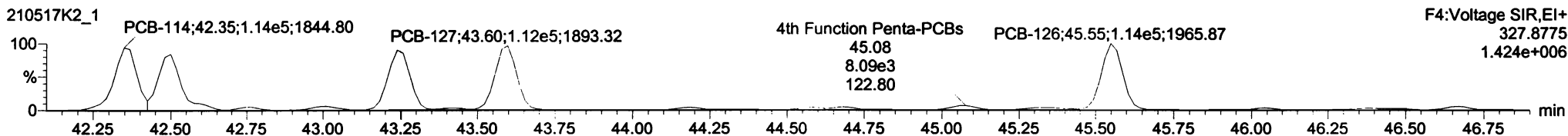
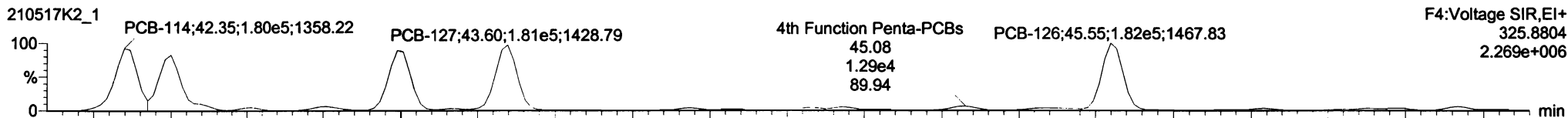
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Last Altered: Monday, May 17, 2021 16:24:37 Pacific Daylight Time

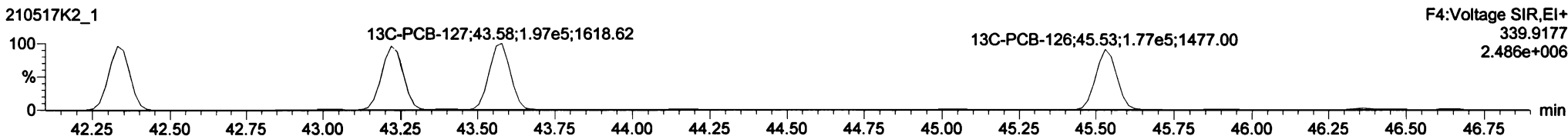
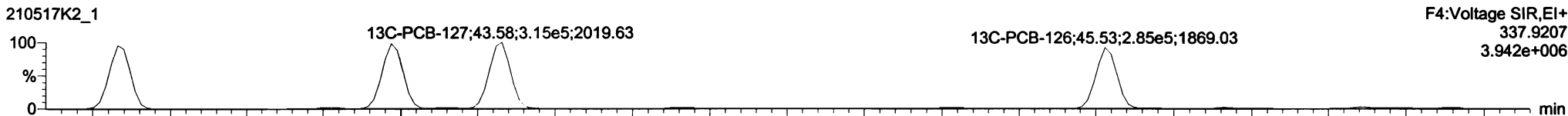
Printed: Monday, May 17, 2021 16:27:53 Pacific Daylight Time

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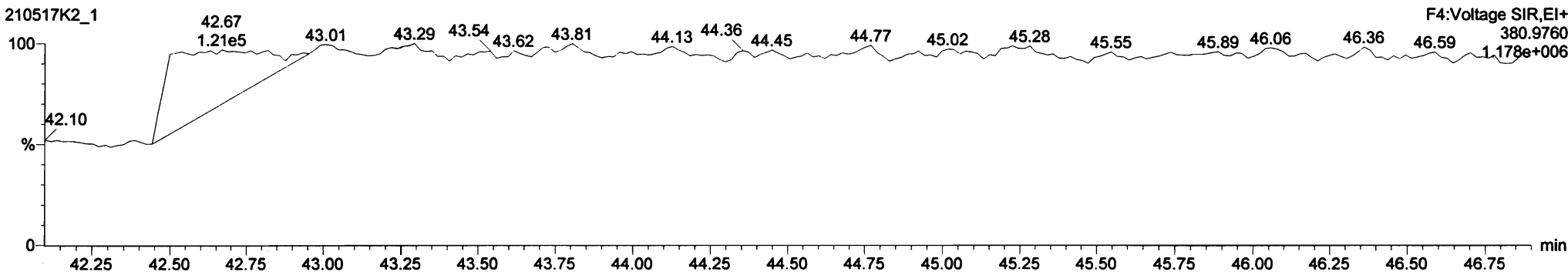
**PCB-114**

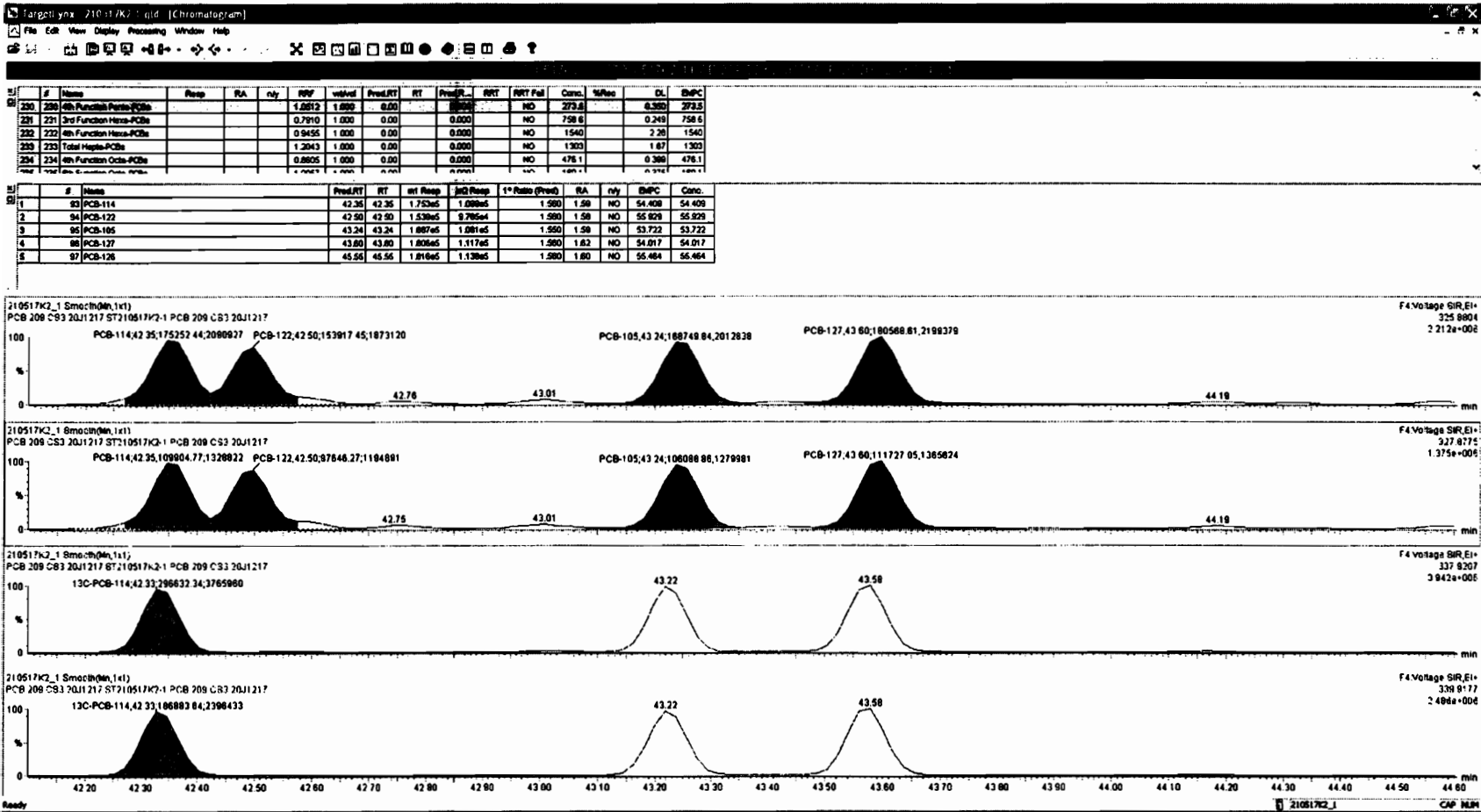


**13C-PCB-114**



**PFK4a**





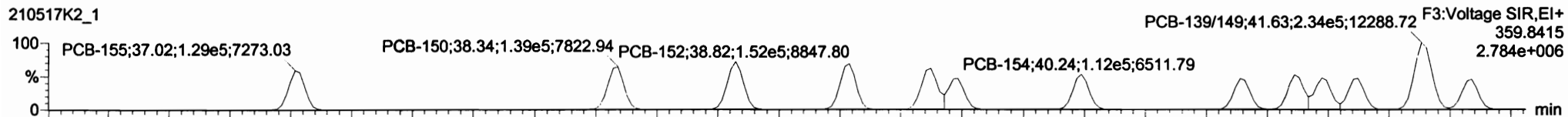
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Printed: Monday, May 17, 2021 16:27:53 Pacific Daylight Time

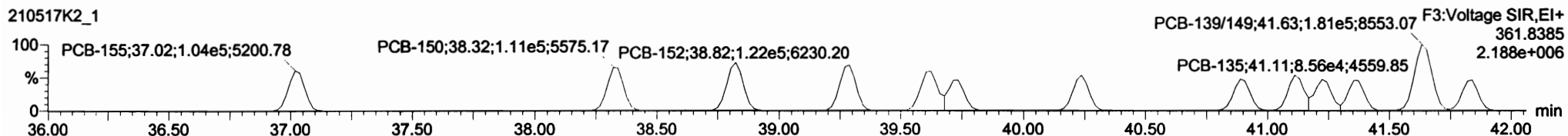
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**PCB-155**

210517K2\_1

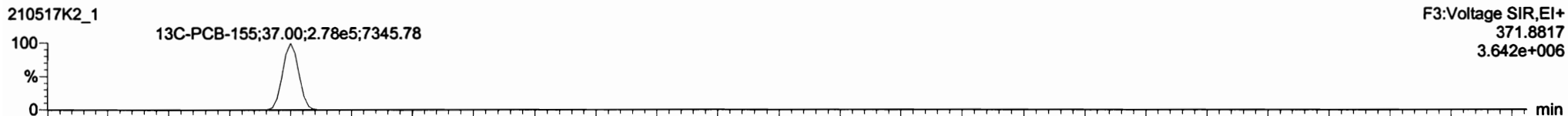


210517K2\_1

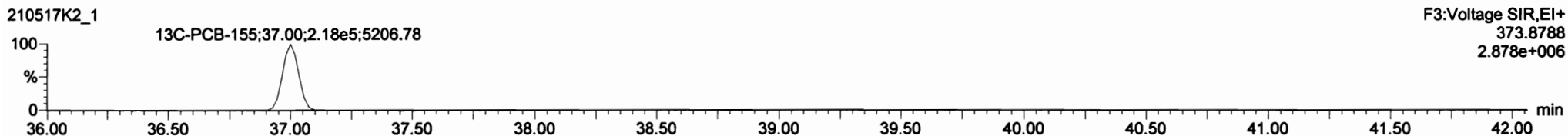


**13C-PCB-155**

210517K2\_1

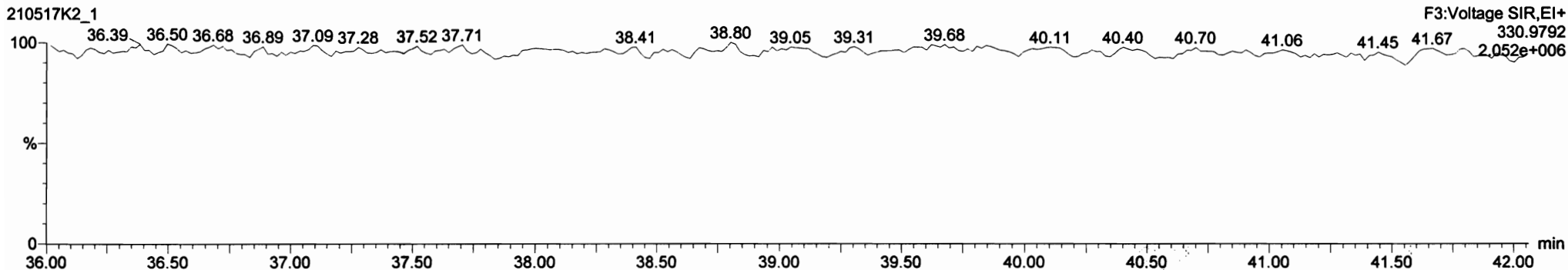


210517K2\_1



**PFK3c**

210517K2\_1

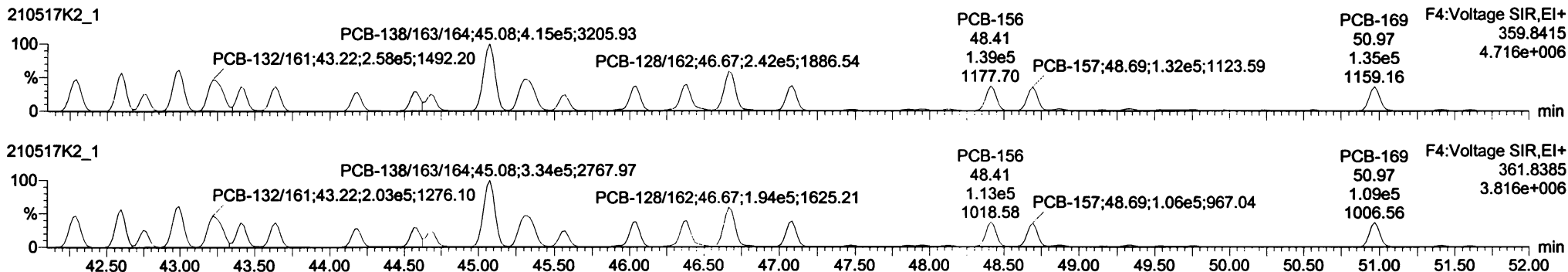


Dataset: Untitled

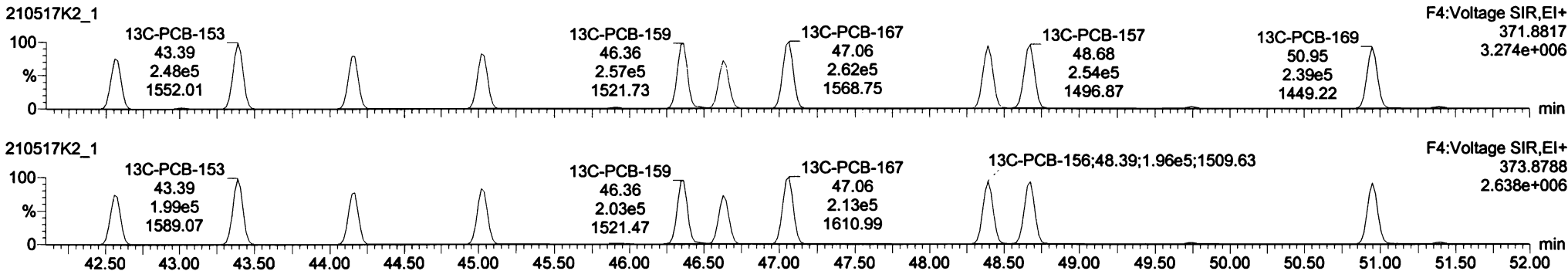
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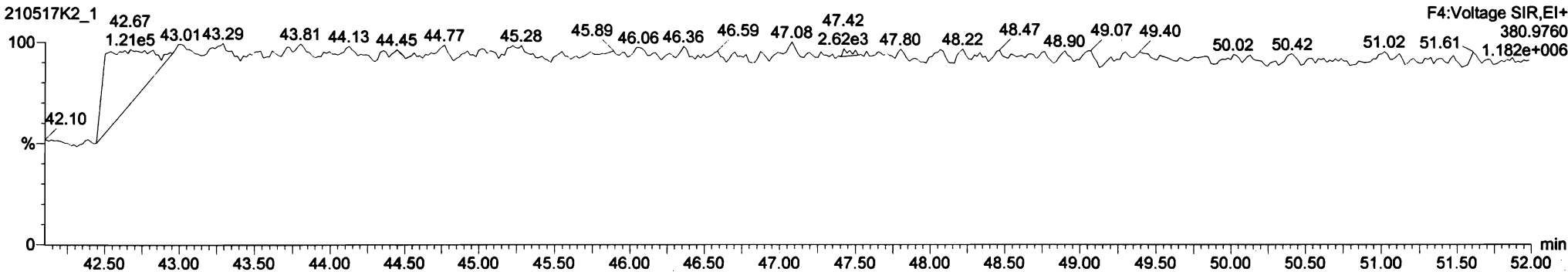
**PCB-134/143**



**13C-PCB-153**

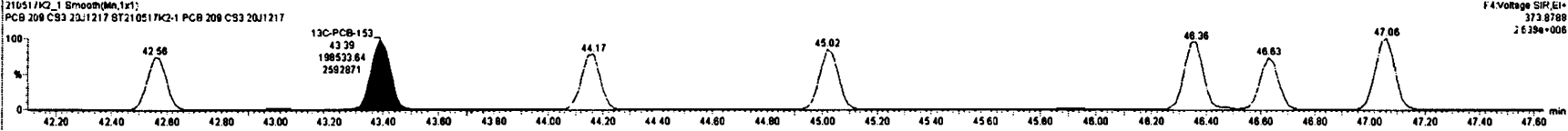
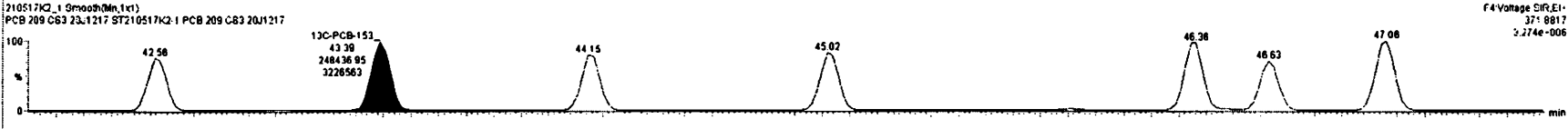
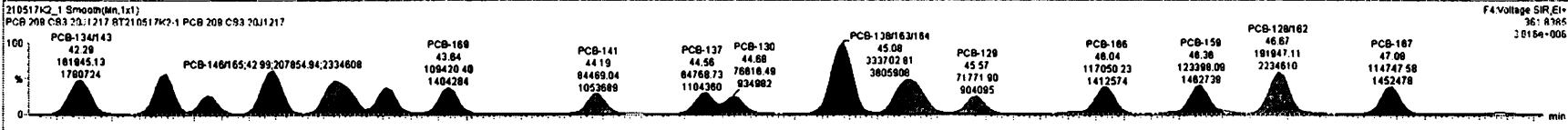
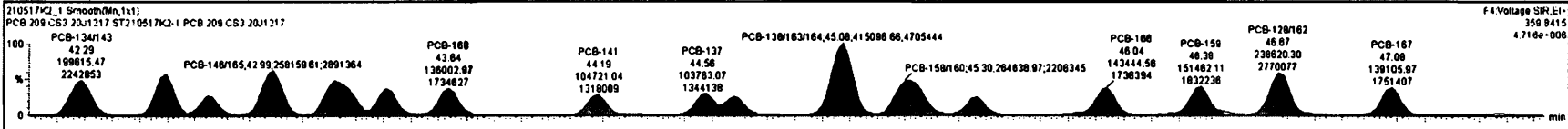


**PFK4b**



#	Name	Resp	RA	n/y	RF	ndVal	Prod.RT	RT	Prod.R.	RRT	RRT Fall	Conc.	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	273.5	0.350	273.5	
231	231 3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	759.8	0.249	759.8	
232	232 6th Function Hepta-PCBs				0.8495	1.000	0.00		0.000		NO	1540	2.289	1540	
233	233 Total Hepta-PCBs				1.2043	1.000	0.00		0.000		NO	1303	1.87	1303	
234	234 4th Function Octa-PCBs				0.8805	1.000	0.00		0.000		NO	476.1	0.399	476.1	

#	Name	Prod.RT	RT	nt Resp	nt Resp	1 <sup>st</sup> Ratio (Prod)	RA	n/y	EMPC	Conc.
1	111 PCB-134/143	42.29	42.29	1.898e5	1.819e5	1.240	1.23	NO	112.71	112.71
2	112 PCB-131/133	42.58	42.58	2.104e5	1.898e5	1.240	1.24	NO	110.75	110.75
3	113 PCB-142	42.75	42.75	9.469e4	7.639e4	1.240	1.24	NO	55.770	55.770
4	114 PCB-146/165	42.98	42.98	2.562e5	2.079e5	1.240	1.24	NO	110.52	110.52
5	115 PCB-132/161	43.24	43.22	2.549e5	2.041e5	1.240	1.25	NO	107.30	107.30
6	116 PCB-153	43.43	43.41	1.374e5	1.113e5	1.240	1.23	NO	56.205	56.205
7	117 PCB-168	43.84	43.84	1.360e5	1.094e5	1.240	1.24	NO	53.095	53.095



Dataset: Untitled

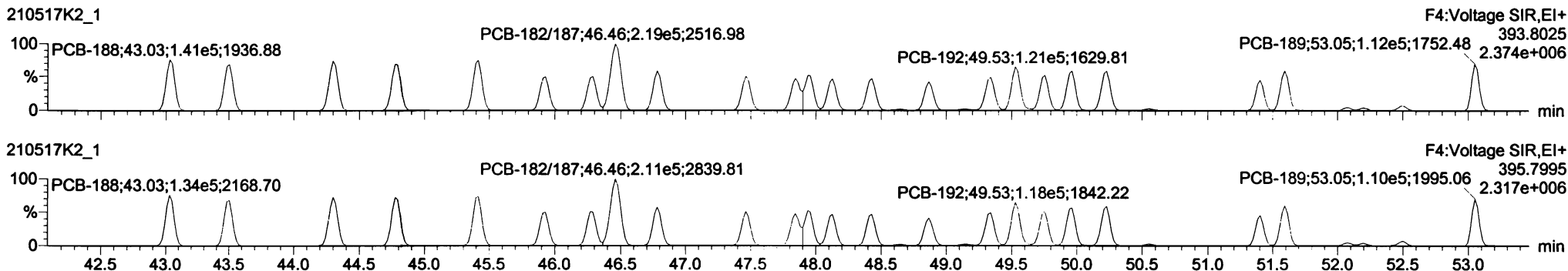
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Printed: Monday, May 17, 2021 16:27:53 Pacific Daylight Time

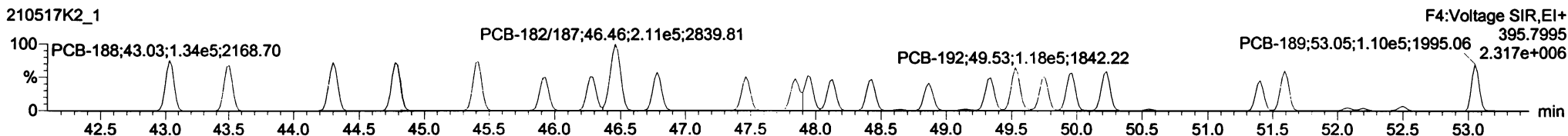
Name: 210517K2\_1, Date: 17-May-2021, Time: 14:45:24, ID: ST210517K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

**PCB-188**

210517K2\_1

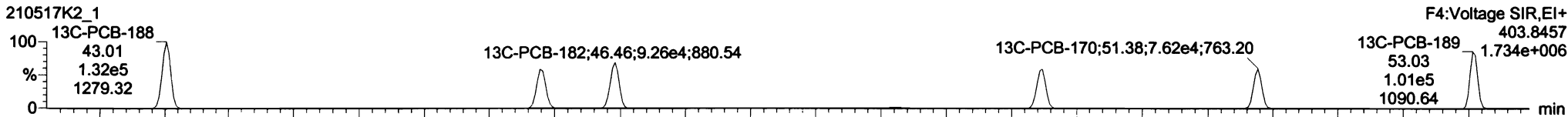


210517K2\_1

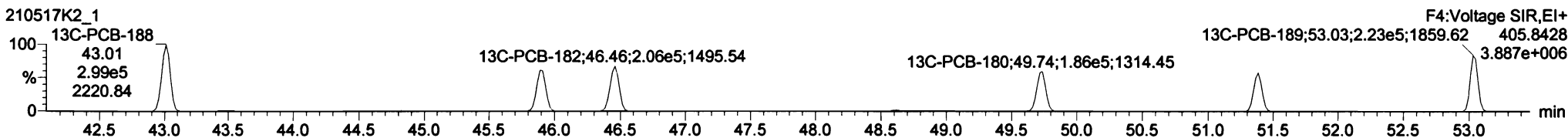


**13C-PCB-188**

210517K2\_1

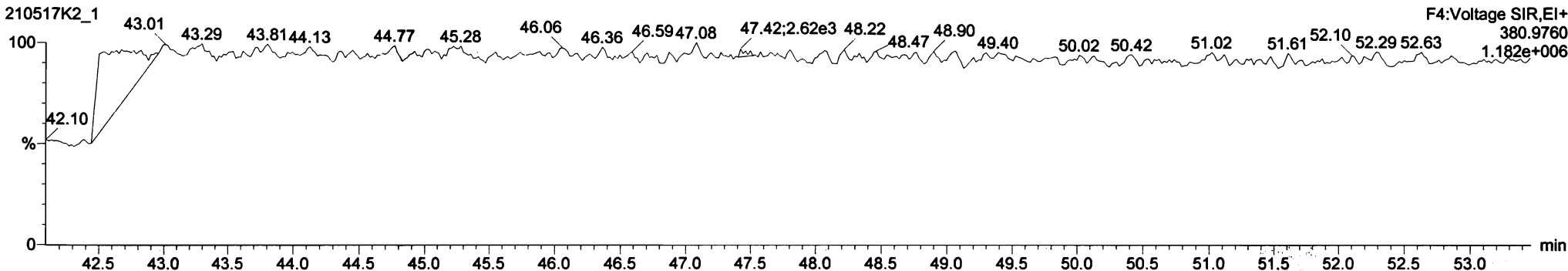


210517K2\_1



**PFK4c**

210517K2\_1



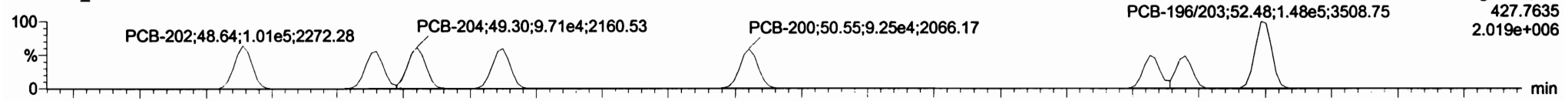
Dataset: Untitled

Last Altered: Monday, May 17, 2021 16:24:37 Pacific Daylight Time  
Printed: Monday, May 17, 2021 16:27:53 Pacific Daylight Time

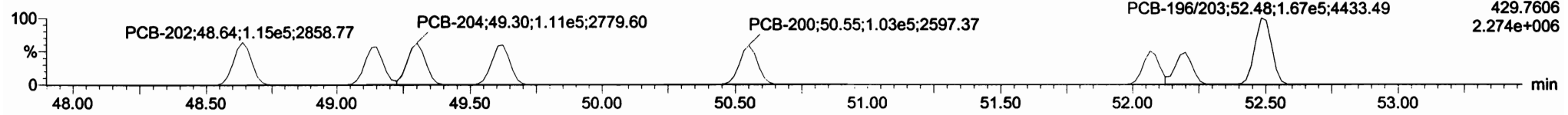
Name: 210517K2\_1, Date: 17-May-2021, Time: 14:45:24, ID: ST210517K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

**PCB-202**

210517K2\_1

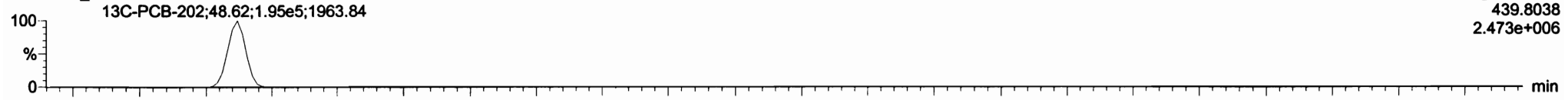


210517K2\_1

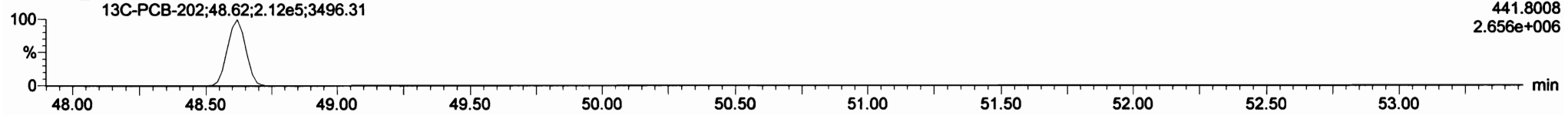


**13C-PCB-202**

210517K2\_1

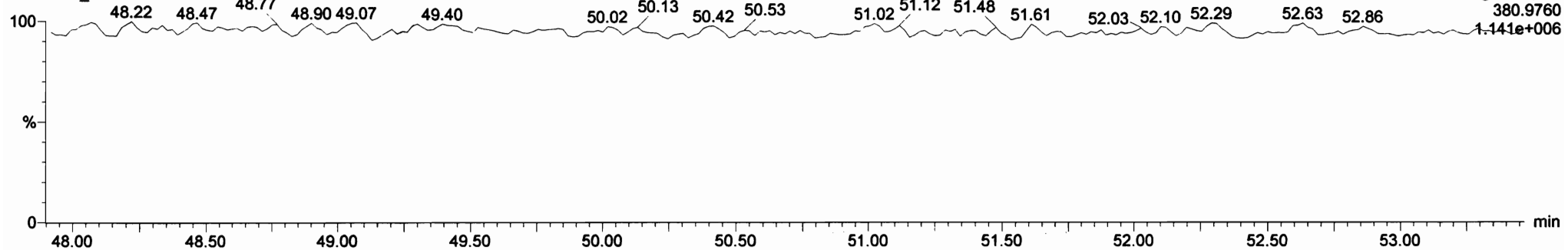


210517K2\_1



**PFK4d**

210517K2\_1





Dataset: Untitled

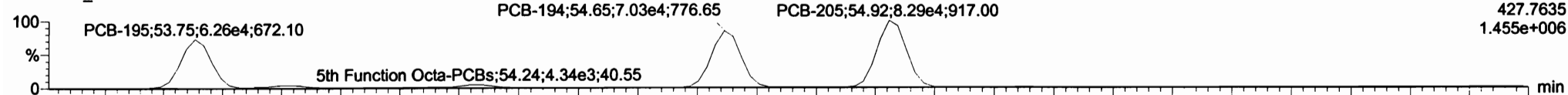
Last Altered: Monday, May 17, 2021 16:24:37 Pacific Daylight Time

Printed: Monday, May 17, 2021 16:27:53 Pacific Daylight Time

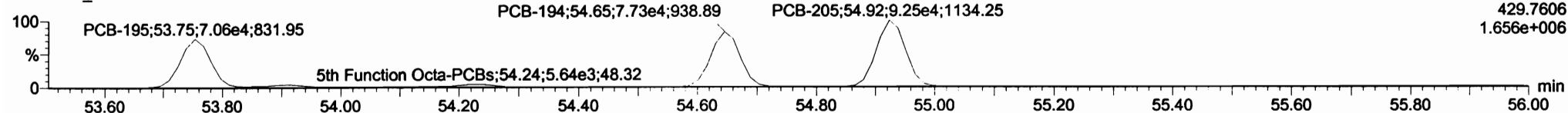
Name: 210517K2\_1, Date: 17-May-2021, Time: 14:45:24, ID: ST210517K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

**PCB-195**

210517K2\_1

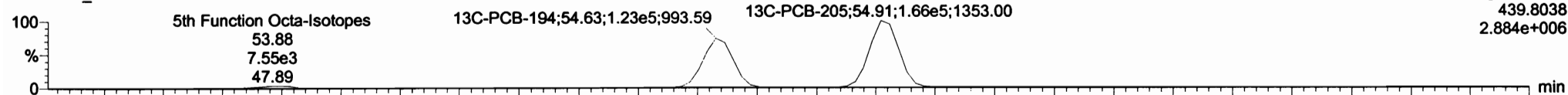


210517K2\_1

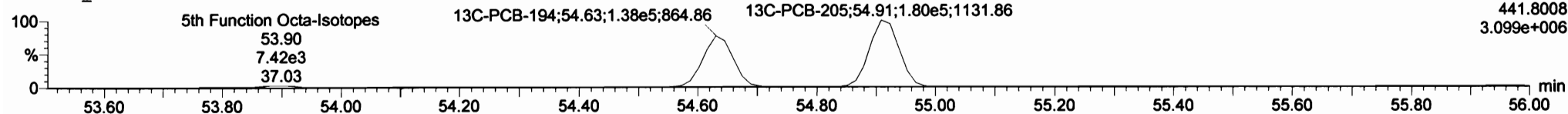


**13C-PCB-194**

210517K2\_1

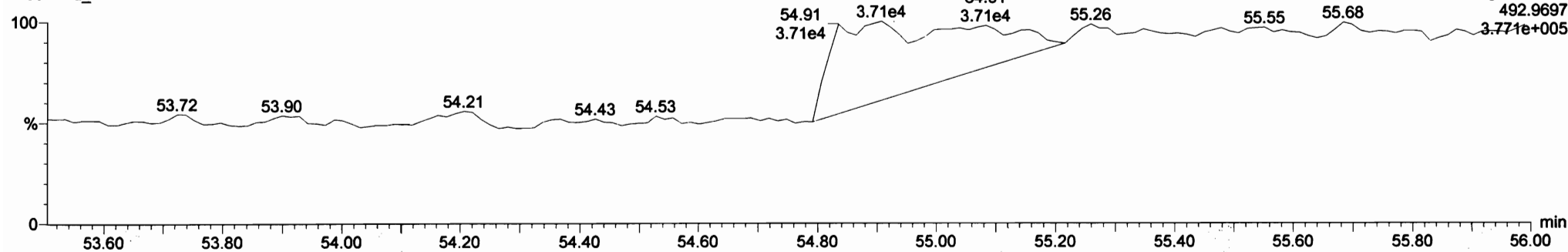


210517K2\_1



**PFK5a**

210517K2\_1



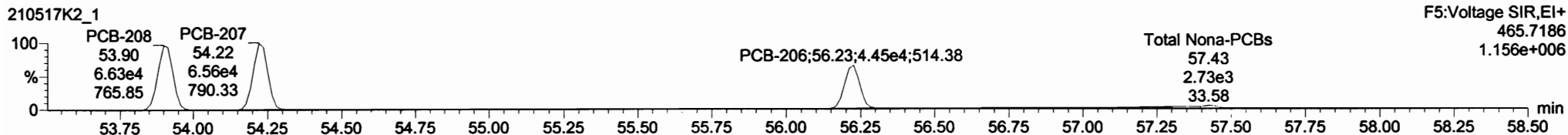
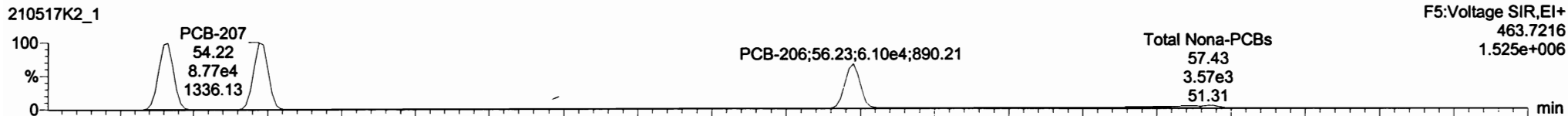
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Last Altered: Monday, May 17, 2021 16:24:37 Pacific Daylight Time

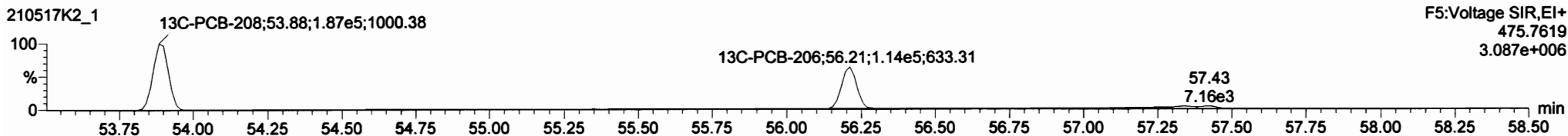
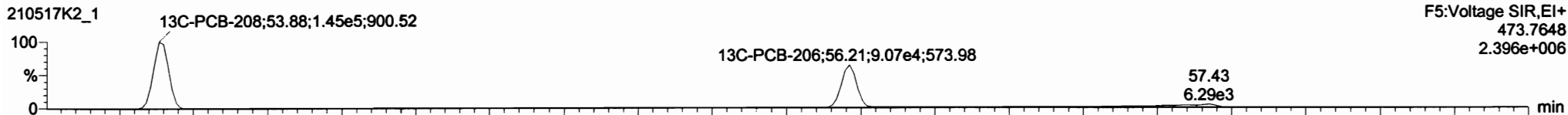
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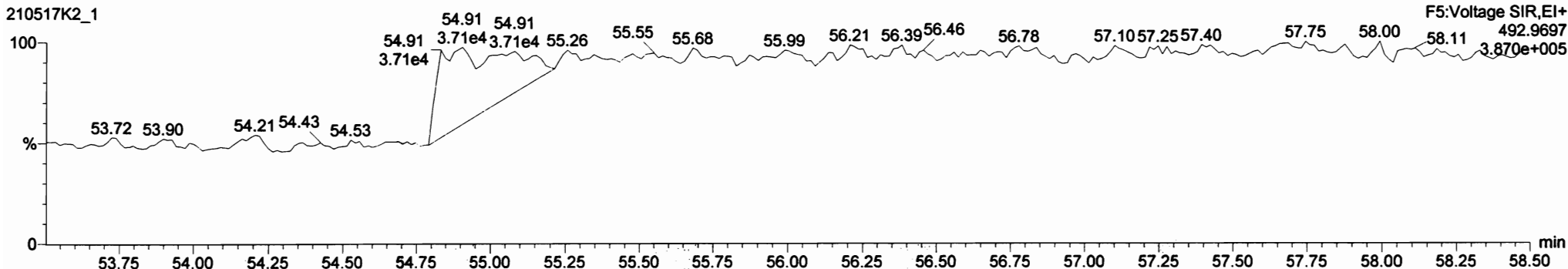
**PCB-208**



**13C-PCB-208**



**PFK5**



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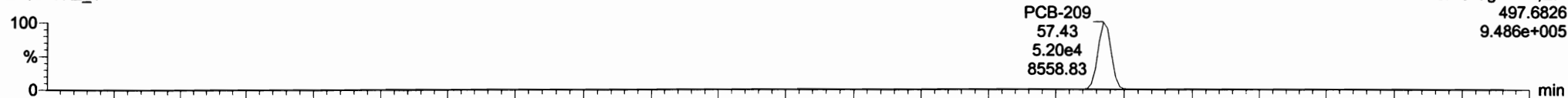
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Printed: Monday, May 17, 2021 16:27:53 Pacific Daylight Time

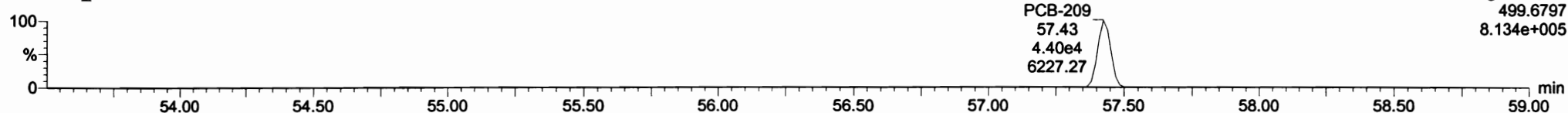
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**PCB-209**

210517K2\_1

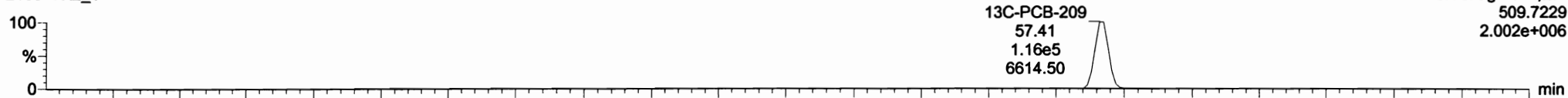


210517K2\_1

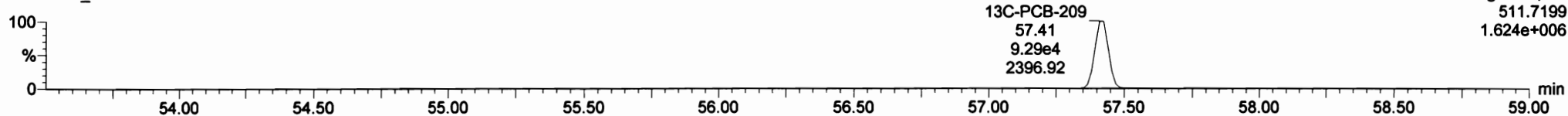


**13C-PCB-209**

210517K2\_1

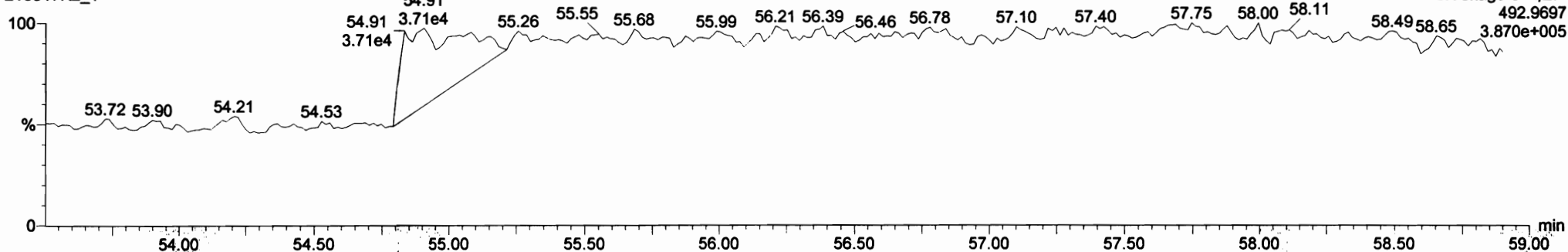


210517K2\_1



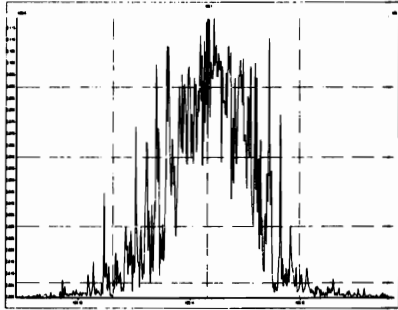
**PFK5b**

210517K2\_1

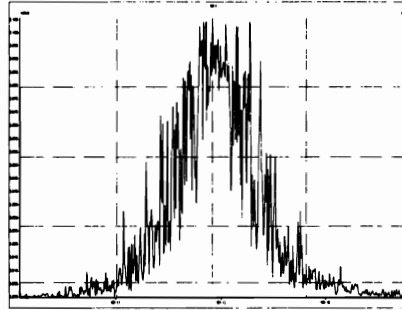


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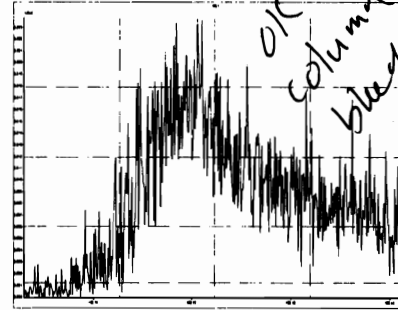
M 168.9888 R 13706



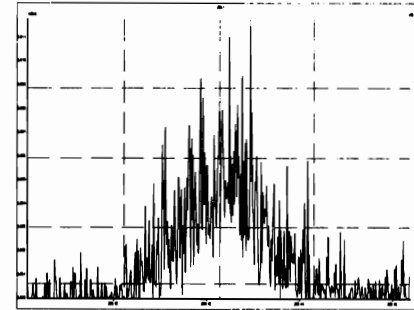
M 180.9888 R 11018



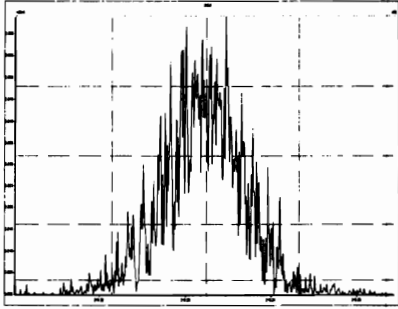
M 192.9888 R 2976



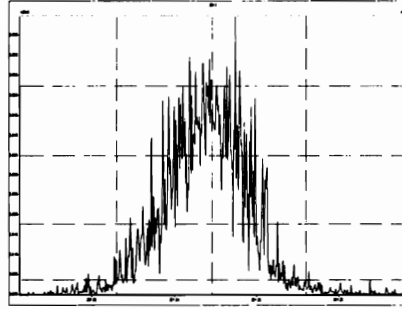
M 204.9888 R 22235



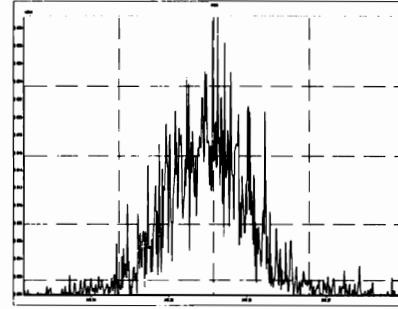
M 218.9856 R 13550



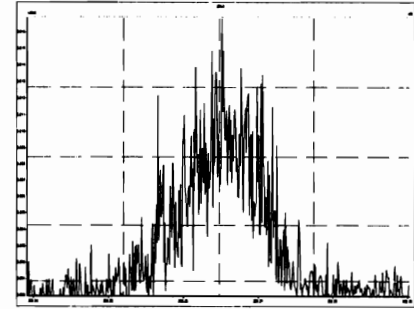
M 230.9856 R 12426



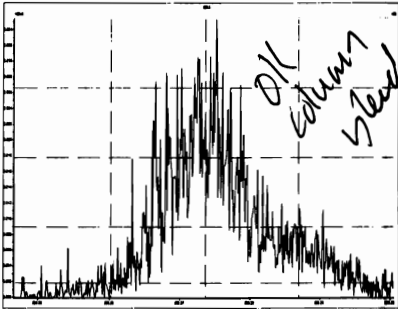
M 242.9856 R 13949



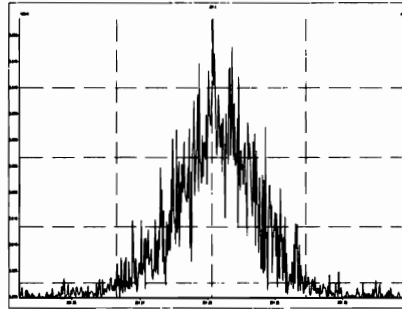
M 254.9856 R 16124



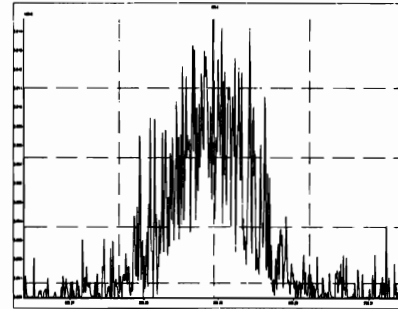
M 268.9824 R 9191



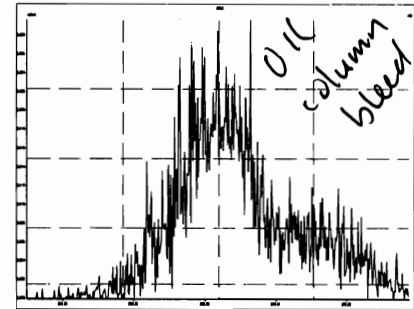
M 280.9824 R 14483



M 254.9856 R 15946

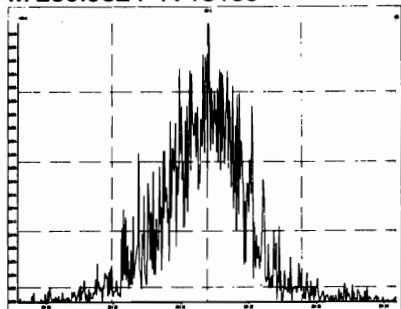


M 268.9824 R 8114

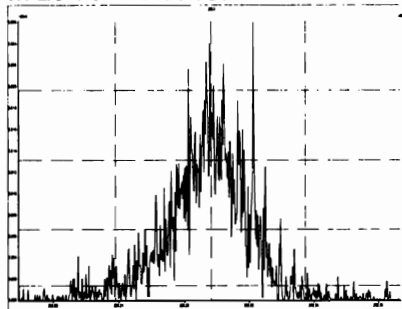


Printed: Tuesday, May 18, 2021 03:03:37 Pacific Daylight Time

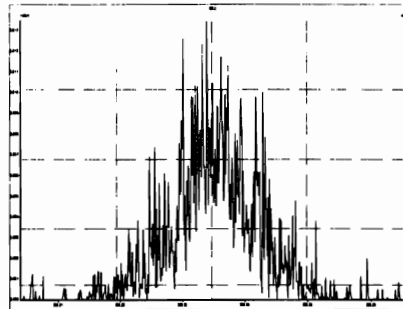
M 280.9824 R 13159



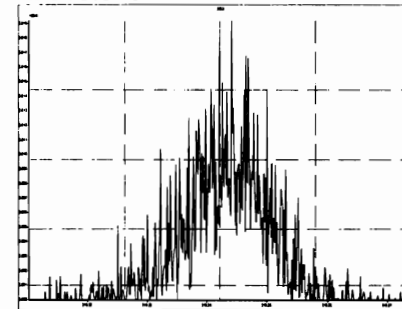
M 292.9824 R 16722



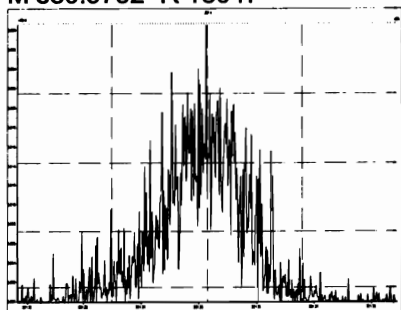
M 304.9824 R 17186



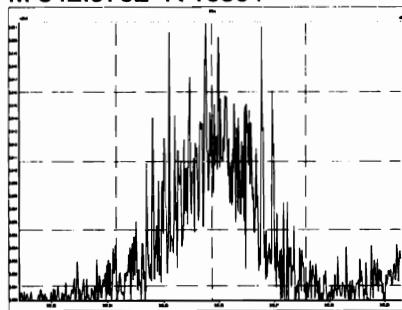
M 318.9792 R 21378



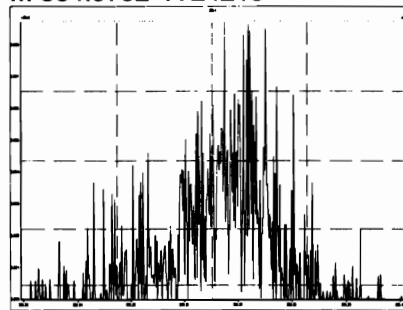
M 330.9792 R 15047



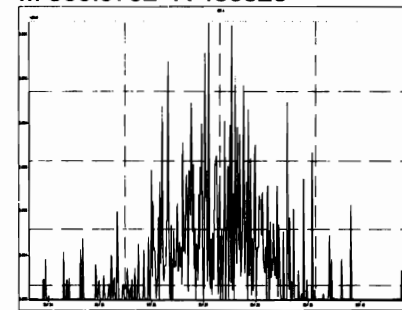
M 342.9792 R 16864



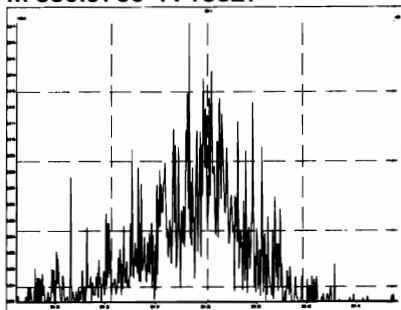
M 354.9792 R 24219



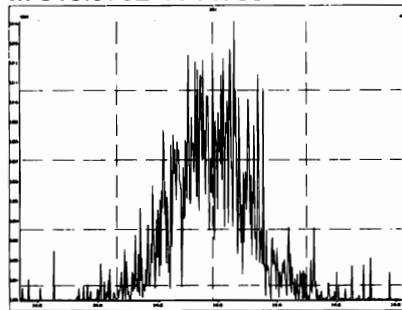
M 366.9792 R 435323



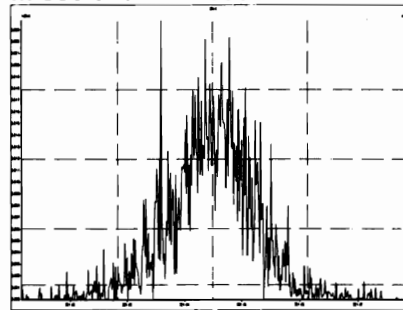
M 380.9760 R 18327



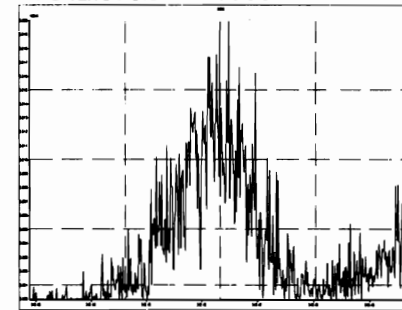
M 318.9792 R 14785



M 330.9792 R 16060

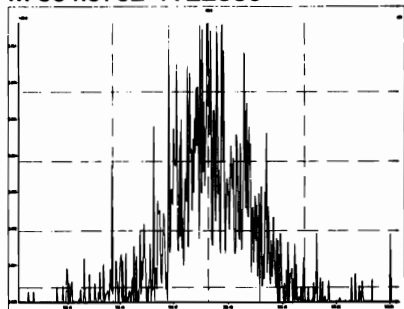


M 342.9792 R 16558

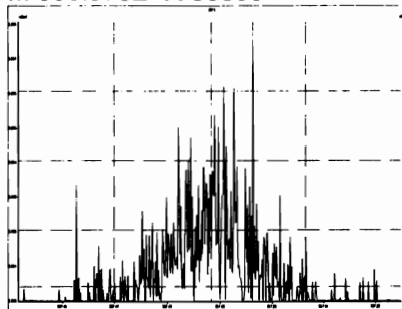


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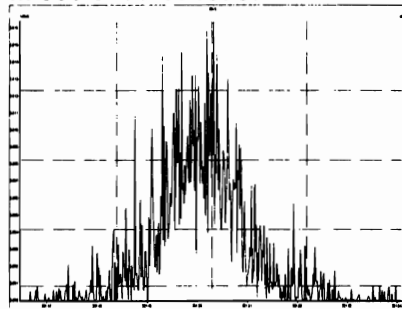
M 354.9792 R 22385



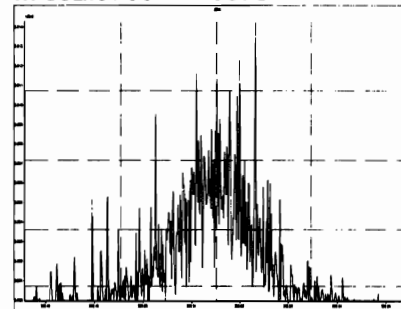
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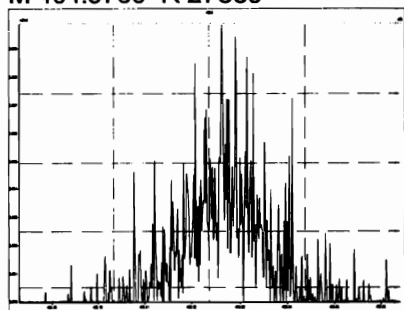
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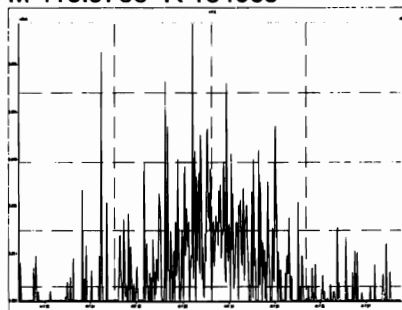
M 392.9760 R 18370



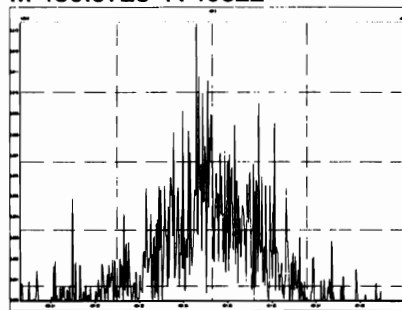
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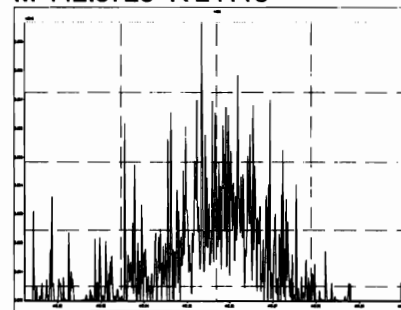
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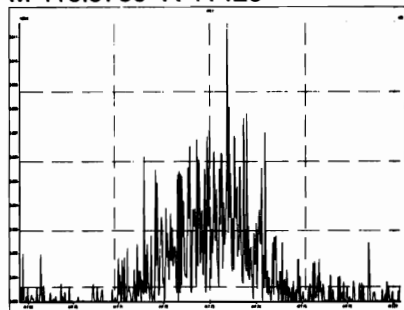
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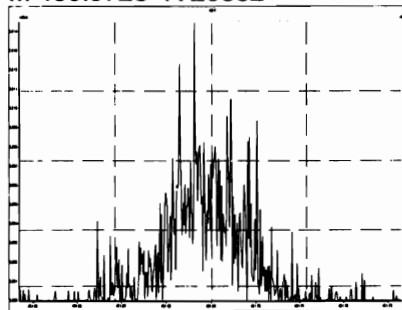
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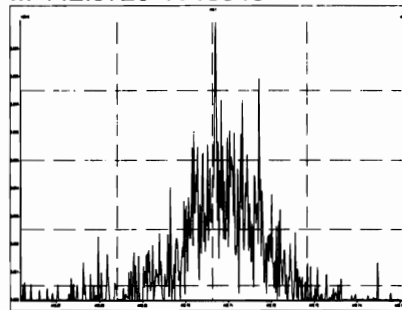
M 416.9760 R 41429



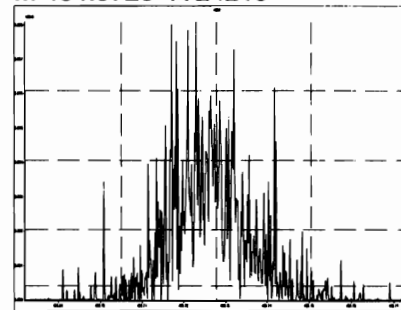
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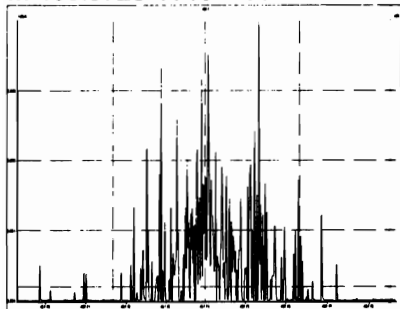


M 454.9728 R 24219

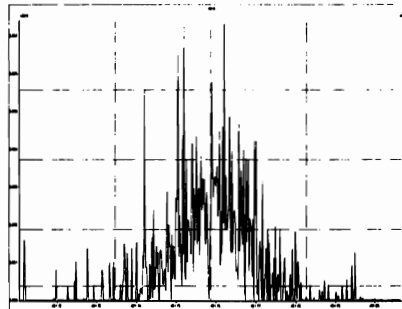


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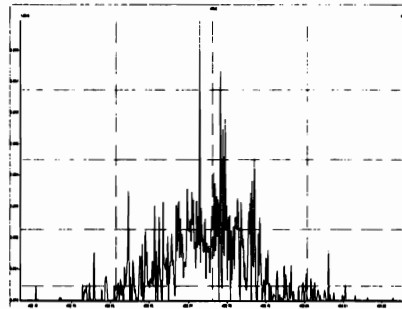
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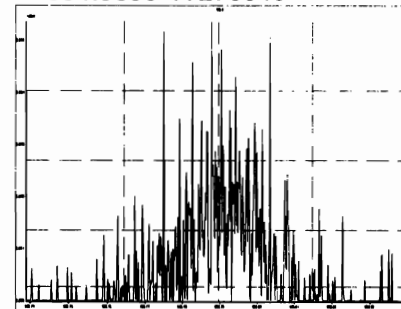
M 480.9696 R 41839



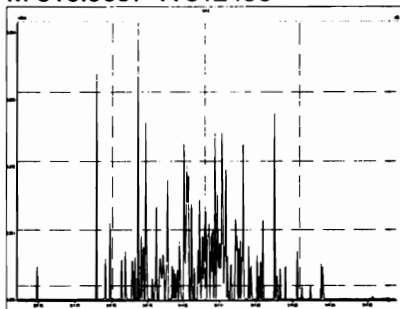
M 492.9696 R 40045



M 504.9696 R 276040



M 516.9697 R 312496



Dataset: U:\VG11.PRO\Results\210517K3\210517K3-2.qld

Last Altered: Tuesday, May 18, 2021 08:56:29 Pacific Daylight Time  
Printed: Tuesday, May 18, 2021 08:57:04 Pacific Daylight Time

*Hz 5.18.2021*  
*DF 05/19/21*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_5-17-21.mdb 17 May 2021 16:25:28  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 18:49:42

Name: 210517K3\_2, Date: 18-May-2021, Time: 04:03:30, ID: ST210517K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	5.68e5	3.09	NO	0.986	1.000	15.59	15.59	1.001	1.001	NO	53.33	107 <i>TS 12/17</i>	0.00991	53.33
2	2 PCB-2	5.88e5	3.10	NO	1.02	1.000	17.99	17.99	0.988	0.988	NO	53.49	107	0.00965	53.49
3	3 PCB-3	5.80e5	3.08	NO	1.00	1.000	18.22	18.23	1.001	1.001	NO	53.75	108	0.00984	53.75
4	4 PCB-4/10	8.29e5	1.54	NO	1.21	1.000	19.64	19.64	1.004	1.004	NO	105.0	105	0.0560	105.0
5	5 PCB-7/9	9.92e5	1.56	NO	0.939	1.000	21.43	21.42	1.003	1.002	NO	102.8	103	0.0466	102.8
6	6 PCB-6	5.18e5	1.58	NO	0.996	1.000	22.08	22.08	1.033	1.033	NO	50.55	101	0.0439	50.55
7	7 PCB-5/8	1.03e6	1.57	NO	0.976	1.000	22.49	22.48	1.052	1.052	NO	102.7	103	0.0448	102.7
8	8 PCB-14	5.04e5	1.57	NO	1.02	1.000	23.61	23.62	0.951	0.952	NO	51.94	104	0.0478	51.94
9	9 PCB-11	5.30e5	1.57	NO	1.12	1.000	24.84	24.84	1.001	1.001	NO	50.10	100	0.0439	50.10
10	10 PCB-12/13	9.85e5	1.55	NO	1.02	1.000	25.27	25.21	1.018	1.016	NO	102.0	102	0.0480	102.0
11	11 PCB-15	5.04e5	1.59	NO	1.02	1.000	25.55	25.56	1.030	1.030	NO	52.22	104	0.0481	52.22
12	12 PCB-19	3.13e5	1.01	NO	0.972	1.000	23.81	23.80	1.001	1.001	NO	52.76	106	0.0282	52.76
13	13 PCB-30	4.95e5	1.01	NO	1.54	1.000	24.72	24.71	1.039	1.039	NO	52.71	105	0.0178	52.71
14	14 PCB-18	3.23e5	1.02	NO	0.719	1.000	25.49	25.48	0.952	0.952	NO	55.07	110	0.0285	55.07
15	15 PCB-17	3.04e5	1.04	NO	0.672	1.000	25.65	25.66	0.958	0.959	NO	55.48	111	0.0305	55.48
16	16 PCB-24/27	8.47e5	1.02	NO	0.932	1.000	26.23	26.25	0.980	0.981	NO	111.5	111	0.0220	111.5
17	17 PCB-16/32	7.24e5	1.02	NO	0.824	1.000	26.79	26.79	1.001	1.001	NO	107.8	108	0.0249	107.8
18	18 PCB-34	3.94e5	1.01	NO	0.878	1.000	27.59	27.60	0.959	0.959	NO	53.49	107	0.0610	53.49
19	19 PCB-23	4.06e5	1.06	NO	0.892	1.000	27.70	27.69	0.962	0.962	NO	54.29	109	0.0600	54.29
20	20 PCB-29	3.67e5	1.06	NO	0.861	1.000	27.96	27.94	0.972	0.971	NO	50.76	102	0.0622	50.76
21	21 PCB-26	4.02e5	1.06	NO	0.915	1.000	28.16	28.16	0.979	0.979	NO	52.35	105	0.0585	52.35
22	22 PCB-25	4.05e5	1.08	NO	0.915	1.000	28.32	28.33	0.984	0.984	NO	52.75	106	0.0585	52.75
23	23 PCB-31	4.38e5	1.04	NO	1.03	1.000	28.70	28.68	0.998	0.997	NO	50.63	101	0.0520	50.63
24	24 PCB-28	4.69e5	1.07	NO	1.01	1.000	28.79	28.79	1.001	1.001	NO	55.12	110	0.0528	55.12
25	25 PCB-20/21/33	1.23e6	1.07	NO	0.913	1.000	29.43	29.43	1.023	1.023	NO	160.4	107	0.0587	160.4
26	26 PCB-22	4.27e5	1.03	NO	0.948	1.000	29.89	29.89	1.039	1.039	NO	53.72	107	0.0565	53.72
27	27 PCB-36	4.40e5	1.07	NO	1.07	1.000	30.50	30.52	0.931	0.932	NO	52.95	106	0.0563	52.95
28	28 PCB-39	4.04e5	1.04	NO	1.00	1.000	30.99	31.01	0.946	0.947	NO	51.75	103	0.0599	51.75
29	29 PCB-38	4.18e5	1.03	NO	1.05	1.000	31.79	31.79	0.970	0.970	NO	51.19	102	0.0573	51.19
30	30 PCB-35	4.25e5	1.03	NO	1.05	1.000	32.33	32.33	0.987	0.987	NO	52.20	104	0.0574	52.20
31	31 PCB-37	4.29e5	1.09	NO	1.03	1.000	32.78	32.78	1.001	1.001	NO	53.66	107	0.0585	53.66
32	32 PCB-54	3.90e5	0.76	NO	0.974	1.000	27.64	27.64	1.001	1.001	NO	56.55	113	0.0480	56.55



Dataset: U:\VG11.PRO\Results\210517K3\210517K3-2.qld

Last Altered: Tuesday, May 18, 2021 08:56:29 Pacific Daylight Time  
Printed: Tuesday, May 18, 2021 08:57:04 Pacific Daylight Time

Name: 210517K3\_2, Date: 18-May-2021, Time: 04:03:30, ID: ST210517K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50	3.00e5	0.78	NO	0.803	1.000	28.86	28.85	1.045	1.044	NO	52.82	106	0.0582	52.82
34	34 PCB-53	2.84e5	0.75	NO	0.939	1.000	29.52	29.52	0.944	0.944	NO	53.06	106	0.0638	53.06
35	35 PCB-51	3.07e5	0.78	NO	1.00	1.000	29.87	29.85	0.955	0.955	NO	53.98	108	0.0599	53.98
36	36 PCB-45	2.37e5	0.76	NO	0.802	1.000	30.32	30.30	0.970	0.969	NO	51.92	104	0.0747	51.92
37	37 PCB-46	2.26e5	0.78	NO	0.770	1.000	30.82	30.80	0.986	0.985	NO	51.58	103	0.0778	51.58
38	38 PCB-52/69	6.48e5	0.78	NO	1.08	1.000	31.31	31.31	1.001	1.001	NO	105.1	105	0.0554	105.1
39	39 PCB-73	4.14e5	0.79	NO	1.31	1.000	31.44	31.42	1.005	1.005	NO	55.59	111	0.0459	55.59
40	40 PCB-43/49	5.59e5	0.78	NO	0.925	1.000	31.59	31.58	1.010	1.010	NO	106.1	106	0.0648	106.1
41	41 PCB-47	2.62e5	0.76	NO	0.863	1.000	31.81	31.81	1.001	1.001	NO	50.45	101	0.0659	50.45
42	42 PCB-48/75	6.66e5	0.76	NO	1.04	1.000	31.94	31.92	1.005	1.004	NO	106.7	107	0.0548	106.7
43	43 PCB-65	3.77e5	0.77	NO	1.16	1.000	32.20	32.20	1.013	1.013	NO	54.03	108	0.0491	54.03
44	44 PCB-62	3.30e5	0.77	NO	1.04	1.000	32.31	32.31	1.016	1.016	NO	52.93	106	0.0548	52.93
45	45 PCB-44	2.38e5	0.77	NO	0.757	1.000	32.63	32.63	1.026	1.026	NO	52.25	104	0.0751	52.25
46	46 PCB-42/59	6.24e5	0.77	NO	0.975	1.000	32.87	32.85	1.034	1.033	NO	106.4	106	0.0584	106.4
47	47 PCB-41/64/71/72	1.41e6	0.77	NO	1.12	1.000	33.46	33.46	1.053	1.053	NO	210.1	105	0.0510	210.1
48	48 PCB-68	3.75e5	0.75	NO	1.19	1.000	33.75	33.72	1.062	1.061	NO	52.42	105	0.0478	52.42
49	49 PCB-40	1.85e5	0.76	NO	0.572	1.000	33.98	33.95	1.069	1.068	NO	53.68	107	0.0994	53.68
50	50 PCB-57	3.94e5	0.77	NO	1.08	1.000	34.34	34.32	0.970	0.969	NO	52.63	105	0.0470	52.63
51	51 PCB-67	3.67e5	0.75	NO	1.02	1.000	34.65	34.64	0.978	0.978	NO	51.86	104	0.0498	51.86
52	52 PCB-58	4.12e5	0.76	NO	1.08	1.000	34.76	34.75	0.982	0.981	NO	54.75	110	0.0468	54.75
53	53 PCB-63	3.63e5	0.76	NO	0.971	1.000	34.93	34.92	0.986	0.986	NO	53.74	107	0.0521	53.74
54	54 PCB-74	4.07e5	0.77	NO	1.09	1.000	35.22	35.21	0.994	0.994	NO	53.76	108	0.0465	53.76
55	55 PCB-61/70	7.30e5	0.76	NO	0.978	1.000	35.44	35.36	1.000	0.998	NO	107.3	107	0.0517	107.3
56	56 PCB-76/66	8.04e5	0.75	NO	1.07	1.000	35.64	35.62	1.006	1.006	NO	107.9	108	0.0472	107.9
57	57 PCB-80	4.22e5	0.77	NO	1.08	1.000	35.87	35.86	1.001	1.001	NO	54.03	108	0.0435	54.03
58	58 PCB-55	4.17e5	0.78	NO	1.06	1.000	36.20	36.20	1.010	1.010	NO	53.94	108	0.0440	53.94
59	59 PCB-56/60	7.27e5	0.77	NO	0.946	1.000	36.69	36.70	1.023	1.024	NO	106.0	106	0.0495	106.0
60	60 PCB-79	4.09e5	0.78	NO	1.06	1.000	37.82	37.80	1.055	1.055	NO	53.30	107	0.0442	53.30
61	61 PCB-78	4.01e5	0.76	NO	1.01	1.000	38.52	38.53	0.987	0.987	NO	56.28	113	0.0483	56.28
62	62 PCB-81	3.74e5	0.77	NO	0.941	1.000	39.07	39.06	1.000	1.000	NO	56.10	112	0.0517	56.10
63	63 PCB-77	3.99e5	0.79	NO	1.03	1.000	39.68	39.68	1.000	1.000	NO	55.72	111	0.0482	55.72
64	64 PCB-104	3.45e5	1.56	NO	0.982	1.000	32.48	32.48	1.001	1.001	NO	53.15	106	0.0393	53.15
65	65 PCB-96	3.49e5	1.58	NO	0.982	1.000	33.78	33.78	1.041	1.041	NO	53.70	107	0.0392	53.70
66	66 PCB-103	2.62e5	1.58	NO	0.770	1.000	34.36	34.34	1.059	1.058	NO	51.46	103	0.0501	51.46
67	67 PCB-100	2.71e5	1.56	NO	0.805	1.000	34.71	34.69	1.069	1.069	NO	50.87	102	0.0479	50.87
68	68 PCB-94	2.19e5	1.54	NO	0.831	1.000	35.17	35.19	0.985	0.985	NO	53.52	107	0.0625	53.52

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Dataset: U:\VG11.PRO\Results\210517K3\210517K3-2.qld

Last Altered: Tuesday, May 18, 2021 08:56:29 Pacific Daylight Time  
Printed: Tuesday, May 18, 2021 08:57:04 Pacific Daylight Time

Name: 210517K3\_2, Date: 18-May-2021, Time: 04:03:30, ID: ST210517K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	8.44e5	1.54	NO	1.07	1.000	35.67	35.68	0.999	0.999	NO	160.0	107 <sup>75-107</sup>	0.0485	160.0
70	70 PCB-93	2.05e5	1.59	NO	0.761	1.000	35.79	35.83	1.002	1.003	NO	54.59	109	0.0682	54.59
71	71 PCB-88/91	4.94e5	1.52	NO	0.910	1.000	36.14	36.14	1.012	1.012	NO	110.2	110	0.0570	110.2
72	72 PCB-121	3.63e5	1.56	NO	1.46	1.000	36.25	36.24	1.015	1.015	NO	50.34	101	0.0354	50.34
73	73 PCB-84/92	4.57e5	1.57	NO	0.826	1.000	37.09	37.09	0.990	0.990	NO	103.2	103	0.0578	103.2
74	74 PCB-89	2.55e5	1.52	NO	0.885	1.000	37.27	37.28	0.995	0.995	NO	53.63	107	0.0539	53.63
75	75 PCB-90/101	5.03e5	1.53	NO	0.905	1.000	37.48	37.48	1.000	1.000	NO	103.5	104	0.0528	103.5
76	76 PCB-113	3.53e5	1.56	NO	1.26	1.000	37.73	37.72	1.007	1.007	NO	52.30	105	0.0379	52.30
77	77 PCB-99	2.83e5	1.57	NO	0.993	1.000	37.82	37.82	1.010	1.009	NO	53.08	106	0.0481	53.08
78	78 PCB-119	3.46e5	1.53	NO	1.53	1.000	38.30	38.30	0.987	0.987	NO	52.21	104	0.0389	52.21
79	79 PCB-108/112	5.68e5	1.54	NO	1.25	1.000	38.46	38.45	0.991	0.991	NO	105.3	105	0.0478	105.3
80	80 PCB-83	3.55e5	1.58	NO	1.56	1.000	38.62	38.62	0.995	0.995	NO	52.60	105	0.0382	52.60
81	81 PCB-97	2.52e5	1.55	NO	1.12	1.000	38.82	38.82	1.000	1.000	NO	51.82	104	0.0529	51.82
82	82 PCB-86	2.39e5	1.55	NO	1.06	1.000	38.98	38.99	1.004	1.005	NO	52.11	104	0.0562	52.11
83	83 PCB-87/117/125	9.52e5	1.56	NO	1.34	1.000	39.11	39.12	1.008	1.008	NO	164.0	109	0.0444	164.0
84	84 PCB-111/115	7.74e5	1.55	NO	1.62	1.000	39.27	39.27	1.012	1.012	NO	110.6	111	0.0368	110.6
85	85 PCB-85/116	5.58e5	1.59	NO	1.23	1.000	39.40	39.40	1.015	1.015	NO	104.5	105	0.0483	104.5
86	86 PCB-120	3.98e5	1.57	NO	1.79	1.000	39.64	39.66	1.022	1.022	NO	51.26	103	0.0332	51.26
87	87 PCB-110	3.46e5	1.56	NO	1.50	1.000	39.79	39.79	1.025	1.025	NO	53.24	106	0.0397	53.24
88	88 PCB-82	2.12e5	1.58	NO	0.638	1.000	40.43	40.44	0.975	0.976	NO	55.78	112	0.0675	55.78
89	89 PCB-124	3.41e5	1.53	NO	1.08	1.000	41.16	41.15	0.993	0.993	NO	53.04	106	0.0399	53.04
90	90 PCB-107/109	7.02e5	1.56	NO	1.11	1.000	41.30	41.30	0.996	0.996	NO	106.2	106	0.0388	106.2
91	91 PCB-123	3.13e5	1.55	NO	1.00	1.000	41.47	41.47	1.000	1.000	NO	52.48	105	0.0430	52.48
92	92 PCB-106/118	6.87e5	1.55	NO	1.02	1.000	41.67	41.69	1.001	1.001	NO	110.0	110	0.0430	110.0
93	93 PCB-114	3.16e5	1.59	NO	1.08	1.000	42.33	42.33	1.000	1.000	NO	54.85	110	0.0567	54.85
94	94 PCB-122	2.84e5	1.57	NO	0.930	1.000	42.48	42.48	1.004	1.004	NO	57.45	115	0.0661	57.45
95	95 PCB-105	3.04e5	1.60	NO	1.03	1.000	43.22	43.22	1.000	1.000	NO	55.31	111	0.0593	55.31
96	96 PCB-127	3.16e5	1.62	NO	1.06	1.000	43.58	43.58	1.000	1.000	NO	54.56	109	0.0555	54.56
97	97 PCB-126	3.18e5	1.59	NO	1.15	1.000	45.53	45.53	1.000	1.000	NO	56.77	114	0.0586	56.77
98	98 PCB-155	2.63e5	1.26	NO	0.853	1.000	37.02	37.02	1.000	1.001	NO	54.74	109	0.0243	54.74
99	99 PCB-150	2.72e5	1.22	NO	0.934	1.000	38.33	38.32	1.036	1.036	NO	51.61	103	0.0221	51.61
100	1... PCB-152	3.11e5	1.25	NO	1.02	1.000	38.82	38.80	1.049	1.049	NO	54.17	108	0.0203	54.17
101	1... PCB-145	3.08e5	1.27	NO	0.983	1.000	39.29	39.27	1.062	1.061	NO	55.49	111	0.0210	55.49
102	1... PCB-136	2.68e5	1.25	NO	0.881	1.000	39.62	39.60	1.071	1.070	NO	53.93	108	0.0235	53.93
103	1... PCB-148	1.99e5	1.25	NO	0.666	1.000	39.74	39.72	1.074	1.073	NO	53.06	106	0.0310	53.06
104	1... PCB-154	2.20e5	1.32	NO	0.721	1.000	40.24	40.22	1.088	1.087	NO	54.18	108	0.0287	54.18

Dataset: U:\VG11.PRO\Results\210517K3\210517K3-2.qld

Last Altered: Tuesday, May 18, 2021 08:56:29 Pacific Daylight Time  
Printed: Tuesday, May 18, 2021 08:57:04 Pacific Daylight Time

Name: 210517K3\_2, Date: 18-May-2021, Time: 04:03:30, ID: ST210517K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	w/Vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151	1.91e5	1.29	NO	0.674	1.000	40.89	40.87	1.105	1.105	NO	50.31	101.75-127	0.0307	50.31
106	1... PCB-135	2.05e5	1.31	NO	0.723	1.000	41.11	41.11	1.111	1.111	NO	50.30	101	0.0286	50.30
107	1... PCB-144	2.05e5	1.25	NO	0.691	1.000	41.22	41.20	1.114	1.114	NO	52.60	105	0.0299	52.60
108	1... PCB-147	1.97e5	1.26	NO	0.713	1.000	41.37	41.35	1.118	1.118	NO	48.95	97.9	0.0290	48.95
109	1... PCB-139/149	4.47e5	1.27	NO	0.773	1.000	41.63	41.61	1.125	1.125	NO	102.5	102	0.0267	102.5
110	1... PCB-140	1.90e5	1.29	NO	0.652	1.000	41.84	41.82	1.131	1.130	NO	51.68	103	0.0317	51.68
111	1... PCB-134/143	3.80e5	1.23	NO	0.718	1.000	42.27	42.27	0.975	0.975	NO	110.2	110	0.110	110.2
112	1... PCB-131/133	4.15e5	1.24	NO	0.768	1.000	42.57	42.57	0.982	0.982	NO	112.5	113	0.103	112.5
113	1... PCB-142	1.84e5	1.22	NO	0.687	1.000	42.73	42.73	0.985	0.985	NO	55.88	112	0.115	55.88
114	1... PCB-146/165	4.97e5	1.23	NO	0.943	1.000	42.97	42.97	0.991	0.991	NO	109.6	110	0.0835	109.6
115	1... PCB-132/161	4.98e5	1.23	NO	0.957	1.000	43.22	43.20	0.997	0.996	NO	108.3	108	0.0823	108.3
116	1... PCB-153	2.54e5	1.22	NO	0.990	1.000	43.41	43.39	1.001	1.000	NO	53.51	107	0.0796	53.51
117	1... PCB-168	2.58e5	1.26	NO	1.03	1.000	43.62	43.62	1.006	1.006	NO	51.92	104	0.0761	51.92
118	1... PCB-141	2.00e5	1.23	NO	0.948	1.000	44.16	44.17	1.000	1.000	NO	55.16	110	0.109	55.16
119	1... PCB-137	1.95e5	1.25	NO	0.964	1.000	44.56	44.54	1.009	1.009	NO	52.99	106	0.107	52.99
120	1... PCB-130	1.78e5	1.25	NO	0.816	1.000	44.68	44.66	1.012	1.012	NO	56.88	114	0.126	56.88
121	1... PCB-138/163/164	7.80e5	1.25	NO	1.15	1.000	45.06	45.06	1.001	1.001	NO	167.0	111	0.0829	167.0
122	1... PCB-158/160	4.94e5	1.21	NO	1.14	1.000	45.30	45.28	1.007	1.006	NO	107.2	107	0.0840	107.2
123	1... PCB-129	1.67e5	1.18	NO	0.807	1.000	45.55	45.55	1.012	1.012	NO	51.00	102	0.119	51.00
124	1... PCB-166	2.61e5	1.24	NO	1.03	1.000	46.01	46.00	0.993	0.993	NO	53.96	108	0.0799	53.96
125	1... PCB-159	2.88e5	1.25	NO	1.10	1.000	46.34	46.34	1.000	1.000	NO	56.05	112	0.0752	56.05
126	1... PCB-128/162	4.33e5	1.23	NO	0.836	1.000	46.65	46.65	1.007	1.007	NO	110.4	110	0.0986	110.4
127	1... PCB-167	2.62e5	1.23	NO	0.960	1.000	47.05	47.05	1.000	1.000	NO	56.01	112	0.0832	56.01
128	1... PCB-156	2.52e5	1.25	NO	1.06	1.000	48.39	48.39	1.000	1.000	NO	54.21	108	0.0850	54.21
129	1... PCB-157	2.37e5	1.24	NO	0.960	1.000	48.66	48.66	1.000	1.000	NO	54.71	109	0.0909	54.71
130	1... PCB-169	2.38e5	1.25	NO	1.04	1.000	50.93	50.93	1.000	1.000	NO	54.91	110	0.0909	54.91
131	1... PCB-188	2.96e5	1.07	NO	1.15	1.000	43.03	43.01	1.001	1.000	NO	54.94	110	0.0743	54.94
132	1... PCB-184	2.75e5	1.05	NO	1.14	1.000	43.47	43.48	1.011	1.011	NO	51.32	103	0.0750	51.32
133	1... PCB-179	2.78e5	1.04	NO	1.07	1.000	44.28	44.28	1.030	1.030	NO	55.07	110	0.0795	55.07
134	1... PCB-176	2.78e5	1.04	NO	1.11	1.000	44.75	44.75	1.041	1.041	NO	53.28	107	0.0768	53.28
135	1... PCB-186	2.89e5	1.04	NO	1.23	1.000	45.41	45.40	1.056	1.056	NO	49.98	100	0.0694	49.98
136	1... PCB-178	1.96e5	1.05	NO	0.830	1.000	45.91	45.89	1.068	1.067	NO	50.44	101	0.103	50.44
137	1... PCB-175	1.94e5	1.02	NO	0.853	1.000	46.27	46.25	1.076	1.076	NO	48.37	96.7	0.100	48.37
138	1... PCB-182/187	4.48e5	1.03	NO	0.942	1.000	46.44	46.44	1.080	1.080	NO	101.4	101	0.0907	101.4
139	1... PCB-183	2.19e5	1.03	NO	0.910	1.000	46.76	46.76	1.088	1.088	NO	51.35	103	0.0939	51.35
140	1... PCB-185	1.80e5	1.02	NO	1.24	1.000	47.42	47.44	0.954	0.955	NO	56.54	113	0.128	56.54

Dataset: U:\VG11.PRO\Results\210517K3\210517K3-2.qld

Last Altered: Tuesday, May 18, 2021 08:56:29 Pacific Daylight Time  
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Name: 210517K3\_2, Date: 18-May-2021, Time: 04:03:30, ID: ST210517K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	w/Vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	1.64e5	1.03	NO	1.20	1.000	47.80	47.82	0.962	0.962	NO	53.46	107 <i>75127</i>	0.132	53.46
142	1... PCB-181	1.97e5	1.03	NO	1.33	1.000	47.90	47.92	0.964	0.964	NO	57.68	115	0.119	57.68
143	1... PCB-177	1.65e5	1.02	NO	1.14	1.000	48.09	48.09	0.968	0.968	NO	56.52	113	0.139	56.52
144	1... PCB-171	1.72e5	1.02	NO	1.22	1.000	48.39	48.39	0.974	0.974	NO	55.13	110	0.130	55.13
145	1... PCB-173	1.52e5	1.04	NO	1.07	1.000	48.82	48.83	0.982	0.982	NO	55.33	111	0.149	55.33
146	1... PCB-172	1.79e5	1.05	NO	1.26	1.000	49.30	49.30	0.992	0.992	NO	55.44	111	0.126	55.44
147	1... PCB-192	2.29e5	1.02	NO	1.61	1.000	49.48	49.49	0.996	0.996	NO	55.22	110	0.0983	55.22
148	1... PCB-180	1.86e5	1.02	NO	1.30	1.000	49.72	49.72	1.000	1.000	NO	55.74	111	0.122	55.74
149	1... PCB-193	2.08e5	1.03	NO	1.47	1.000	49.93	49.93	1.005	1.005	NO	55.13	110	0.108	55.13
150	1... PCB-191	2.14e5	1.03	NO	1.51	1.000	50.19	50.19	1.010	1.010	NO	55.50	111	0.105	55.50
151	1... PCB-170	1.53e5	1.02	NO	1.23	1.000	51.37	51.37	1.000	1.000	NO	51.69	103	0.132	51.69
152	1... PCB-190	2.03e5	1.01	NO	1.61	1.000	51.56	51.55	1.004	1.004	NO	52.35	105	0.101	52.35
153	1... PCB-189	2.21e5	1.06	NO	1.27	1.000	53.03	53.01	1.000	1.000	NO	53.82	108	0.0908	53.82
154	1... PCB-202	2.16e5	0.88	NO	0.995	1.000	48.62	48.62	1.001	1.001	NO	55.57	111	0.0499	55.57
155	1... PCB-201	1.89e5	0.87	NO	0.904	1.000	49.11	49.11	1.011	1.011	NO	53.46	107	0.0550	53.46
156	1... PCB-204	1.97e5	0.91	NO	0.955	1.000	49.28	49.26	1.014	1.014	NO	52.79	106	0.0520	52.79
157	1... PCB-197	1.96e5	0.88	NO	0.964	1.000	49.60	49.58	1.021	1.021	NO	52.15	104	0.0515	52.15
158	1... PCB-200	1.82e5	0.88	NO	0.911	1.000	50.51	50.51	1.040	1.040	NO	51.11	102	0.0545	51.11
159	1... PCB-198	1.36e5	0.91	NO	0.696	1.000	52.03	52.03	1.071	1.071	NO	49.98	100	0.0714	49.98
160	1... PCB-199	1.47e5	0.89	NO	0.706	1.000	52.16	52.16	1.074	1.074	NO	53.50	107	0.0704	53.50
161	1... PCB-196/203	3.08e5	0.87	NO	0.754	1.000	52.44	52.45	1.079	1.080	NO	104.5	104	0.0658	104.5
162	1... PCB-195	1.38e5	0.90	NO	0.957	1.000	53.71	53.71	0.984	0.984	NO	52.05	104	0.0938	52.05
163	1... PCB-194	1.60e5	0.87	NO	1.06	1.000	54.60	54.60	1.000	1.000	NO	54.51	109	0.0846	54.51
164	1... PCB-205	1.97e5	0.89	NO	1.27	1.000	54.88	54.88	1.005	1.005	NO	55.94	112	0.0707	55.94
165	1... PCB-208	1.60e5	1.35	NO	0.861	1.000	53.86	53.86	1.000	1.000	NO	54.67	109	0.0827	54.67
166	1... PCB-207	1.63e5	1.32	NO	0.849	1.000	54.18	54.18	1.006	1.006	NO	56.38	113	0.0838	56.38
167	1... PCB-206	1.22e5	1.34	NO	0.951	1.000	56.15	56.15	1.000	1.000	NO	53.36	107	0.104	53.36
168	1... PCB-209	1.25e5	1.22	NO	0.863	1.000	57.35	57.37	1.000	1.000	NO	52.75	105	0.0189	52.75
169	1... 13C-PCB-1	1.08e6	3.26	NO	0.937	1.000	15.57	15.58	0.609	0.610	NO	114.1	114 <i>9140</i>	0.0830	
170	1... 13C-PCB-3	1.08e6	3.25	NO	0.934	1.000	18.20	18.20	0.712	0.713	NO	113.9	114	0.0833	
171	1... 13C-PCB-4	6.54e5	1.57	NO	0.599	1.000	19.55	19.55	0.765	0.766	NO	107.9	108	0.0578	
172	1... 13C-PCB-9	1.03e6	1.58	NO	0.960	1.000	21.37	21.37	0.837	0.837	NO	106.0	106	0.0361	
173	1... 13C-PCB-11	9.48e5	1.60	NO	0.929	1.000	24.82	24.82	0.972	0.972	NO	100.9	101	0.0372	
174	1... 13C-PCB-19	6.09e5	1.01	NO	0.506	1.000	23.77	23.78	0.931	0.931	NO	119.0	119	0.504	
175	1... 13C-PCB-32	8.15e5	1.04	NO	0.738	1.000	26.76	26.76	1.048	1.048	NO	109.2	109	0.346	
176	1... 13C-PCB-28	8.39e5	1.02	NO	1.06	1.000	28.75	28.77	1.003	1.004	NO	102.1	102	0.347	

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Name: 210517K3\_2, Date: 18-May-2021, Time: 04:03:30, ID: ST210517K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	7.78e5	1.07	NO	0.979	1.000	32.75	32.76	1.143	1.143	NO	102.5	103	0.376	
178	1... 13C-PCB-54	7.08e5	0.78	NO	0.981	1.000	27.61	27.62	0.753	0.753	NO	101.0	101	0.0871	
179	1... 13C-PCB-52	5.70e5	0.78	NO	0.786	1.000	31.25	31.27	0.852	0.852	NO	101.3	101	0.109	
180	1... 13C-PCB-47	6.02e5	0.78	NO	0.833	1.000	31.77	31.79	0.866	0.867	NO	101.0	101	0.103	
181	1... 13C-PCB-70	6.96e5	0.78	NO	0.981	1.000	35.40	35.42	0.965	0.966	NO	99.20	99.2	0.0871	
182	1... 13C-PCB-80	7.25e5	0.80	NO	1.01	1.000	35.84	35.85	0.977	0.977	NO	100.1	100	0.0843	
183	1... 13C-PCB-81	7.08e5	0.79	NO	0.995	1.000	39.04	39.05	1.064	1.064	NO	99.54	99.5	0.0859	
184	1... 13C-PCB-77	6.95e5	0.77	NO	0.977	1.000	39.66	39.66	1.081	1.081	NO	99.56	99.6	0.0875	
185	1... 13C-PCB-104	6.62e5	1.56	NO	1.00	1.000	32.44	32.46	0.827	0.827	NO	103.7	104	0.0579	
186	1... 13C-PCB-95	4.93e5	1.54	NO	0.779	1.000	35.70	35.72	0.910	0.910	NO	99.45	99.5	0.0746	
187	1... 13C-PCB-101	5.37e5	1.62	NO	0.833	1.000	37.46	37.46	0.954	0.954	NO	101.4	101	0.0698	
188	1... 13C-PCB-97	4.33e5	1.64	NO	0.679	1.000	38.79	38.80	0.988	0.989	NO	100.4	100	0.0856	
189	1... 13C-PCB-123	5.96e5	1.58	NO	0.970	1.000	41.46	41.45	1.056	1.056	NO	96.71	96.7	0.0599	
190	1... 13C-PCB-118	6.11e5	1.55	NO	1.00	1.000	41.63	41.63	1.061	1.061	NO	96.06	96.1	0.0581	
191	1... 13C-PCB-114	5.32e5	1.58	NO	1.55	1.000	42.31	42.31	0.908	0.908	NO	100.9	101	0.0772	
192	1... 13C-PCB-105	5.32e5	1.59	NO	1.59	1.000	43.19	43.20	0.927	0.927	NO	97.93	97.9	0.0751	
193	1... 13C-PCB-127	5.49e5	1.56	NO	1.66	1.000	43.55	43.56	0.934	0.935	NO	97.05	97.1	0.0721	
194	1... 13C-PCB-126	4.87e5	1.55	NO	1.65	1.000	45.51	45.51	0.976	0.976	NO	86.83	86.8	0.0727	
195	1... 13C-PCB-155	5.64e5	1.25	NO	0.819	1.000	36.98	37.00	0.942	0.943	NO	108.3	108	0.0284	
196	1... 13C-PCB-153	4.80e5	1.26	NO	1.31	1.000	43.37	43.37	0.930	0.930	NO	107.3	107	0.125	
197	1... 13C-PCB-141	3.83e5	1.24	NO	1.08	1.000	44.13	44.15	0.947	0.947	NO	103.6	104	0.151	
198	1... 13C-PCB-138	4.05e5	1.28	NO	1.15	1.000	44.99	45.00	0.965	0.965	NO	103.0	103	0.142	
199	1... 13C-PCB-159	4.68e5	1.29	NO	1.39	1.000	46.34	46.33	0.994	0.994	NO	98.57	98.6	0.117	
200	2... 13C-PCB-167	4.88e5	1.25	NO	1.43	1.000	47.04	47.03	1.009	1.009	NO	100.3	100	0.115	
201	2... 13C-PCB-156	4.38e5	1.25	NO	1.34	1.000	48.37	48.37	1.038	1.038	NO	96.00	96.0	0.122	
202	2... 13C-PCB-157	4.51e5	1.25	NO	1.36	1.000	48.66	48.64	1.044	1.043	NO	97.28	97.3	0.120	
203	2... 13C-PCB-169	4.18e5	1.25	NO	1.33	1.000	50.93	50.91	1.093	1.092	NO	92.01	92.0	0.123	
204	2... 13C-PCB-188	4.69e5	0.46	NO	1.39	1.000	42.99	42.99	0.926	0.926	NO	112.0	112	0.111	
205	2... 13C-PCB-180	2.57e5	0.45	NO	0.907	1.000	49.72	49.70	1.071	1.070	NO	93.87	93.9	0.170	
206	2... 13C-PCB-170	2.41e5	0.44	NO	0.823	1.000	51.36	51.35	1.106	1.106	NO	97.12	97.1	0.188	
207	2... 13C-PCB-189	3.23e5	0.45	NO	1.08	1.000	53.01	53.01	1.141	1.142	NO	99.71	99.7	0.143	
208	2... 13C-PCB-202	3.91e5	0.86	NO	1.23	1.000	48.60	48.58	1.046	1.046	NO	105.2	105	0.0990	
209	2... 13C-PCB-194	2.77e5	0.86	NO	0.710	1.000	54.59	54.59	0.995	0.995	NO	99.09	99.1	0.139	
210	2... 13C-PCB-208	3.39e5	0.80	NO	0.865	1.000	53.79	53.84	0.980	0.981	NO	99.46	99.5	0.162	
211	2... 13C-PCB-206	2.40e5	0.79	NO	0.623	1.000	56.17	56.14	1.024	1.023	NO	97.68	97.7	0.226	
212	2... 13C-PCB-209	2.75e5	1.19	NO	0.725	1.000	57.36	57.35	1.046	1.045	NO	96.16	96.2	0.0249	

91457

Dataset: U:\VG11.PRO\Results\210517K3\210517K3-2.qld

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#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	1.01e6	1.57	NO	1.00	1.000	25.53	25.54	1.000	0.000	NO	100.0	100	0.0346	
214	2... 13C-PCB-31	7.76e5	1.07	NO	1.00	1.000	28.67	28.66	1.000	0.000	NO	100.0	100	0.368	
215	2... 13C-PCB-60	7.15e5	0.74	NO	1.00	1.000	36.69	36.68	1.000	0.000	NO	100.0	100	0.0855	
216	2... 13C-PCB-111	6.36e5	1.59	NO	1.00	1.000	39.26	39.25	1.000	0.000	NO	100.0	100	0.0581	
217	2... 13C-PCB-128	3.41e5	1.27	NO	1.00	1.000	46.63	46.61	1.000	0.000	NO	100.0	100	0.164	
218	2... 13C-PCB-182	3.01e5	0.43	NO	1.00	1.000	46.44	46.44	0.000	0.000	NO	100.0	100	0.154	
219	2... 13C-PCB-205	3.94e5	0.91	NO	1.00	1.000	54.93	54.86	1.000	0.000	NO	100.0	100	0.0986	
220	2... 13C-PCB-79	7.24e5	0.78	NO	1.04	1.000	37.79	37.78	1.030	1.030	NO	97.8	97.8	0.0825	75121
221	2... 13C-PCB-178	2.85e5	0.44	NO	0.774	1.000	45.88	45.87	0.988	0.988	NO	108.1	108	0.170	T
222	2... 13C-PCB-79	7.24e5	0.78	NO	1.04	1.000	37.77	37.78	0.967	0.968	NO	98.21	98.2	0.0821	I
223	2... 13C-PCB-178	2.86e5	0.44	NO	1.02	1.000	45.85	45.87	0.923	0.923	NO	109.4	109	0.170	I

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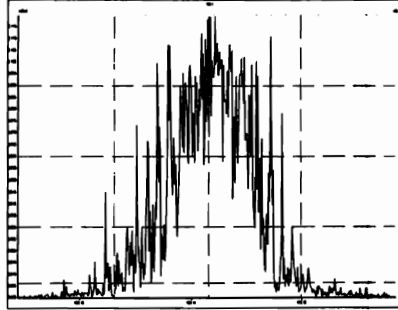
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Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 18:49:42

Compound name: PCB-1

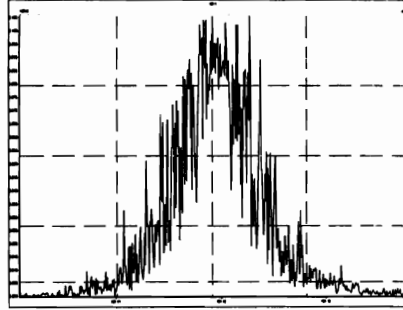
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2	210517K3_2	ST210517K3-1 PCB 209 CS3 20J1217	18-May-21	04:03:30
3	210517K3_3	SOLVENT BLANK	18-May-21	05:04:24
4	210517K3_4	2105047-02 USMPDI-030SG-210504 9.02	18-May-21	06:05:17
5	210517K3_5	2105047-03 USMPDI-031SG-210504 12.17	18-May-21	07:06:08
6	210517K3_6	2105047-04 USMPDI-035SG-210504 10.3	18-May-21	08:06:58
7	210517K3_7	2105033-01@25X A1-CVC001B-R2-0-12-022...	18-May-21	09:07:49
8	210517K3_8	2105033-02@25X A1-CVC003-R2-0-12-0221-...	18-May-21	10:08:44
9	210517K3_9	2105034-01@25X A1-CVC4-R2-0-12-0321-E...	18-May-21	11:09:33
10	210517K3_10	2105034-02@25X A1-CVC5-R2-0-12-0321-E...	18-May-21	12:10:28
11	210517K3_11	2105036-01@25X A1-CVC005-R1-0-12-0121-...	18-May-21	13:11:17
12	210517K3_12	2105036-02@25X A1-CVC001A-R2-0-12-012...	18-May-21	14:12:06

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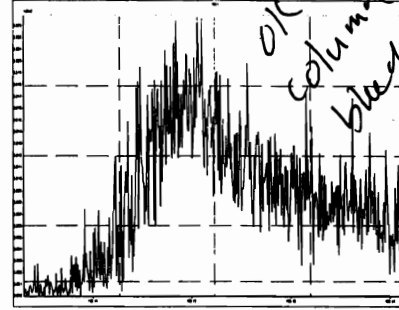
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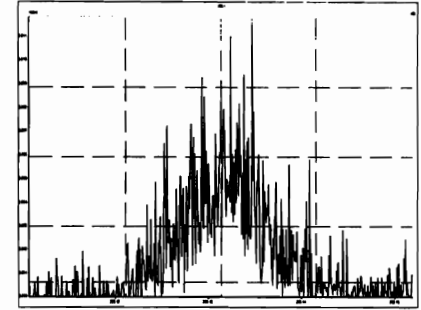
M 180.9888 R 11018



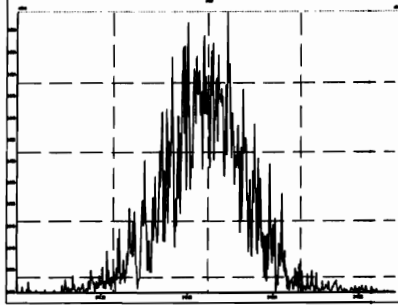
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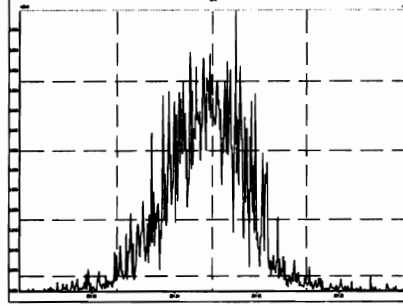
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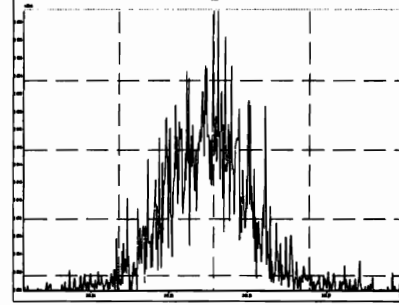
M 218.9856 R 13550



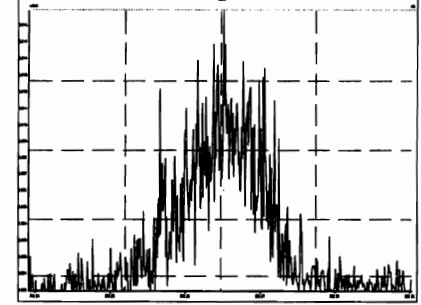
M 230.9856 R 12426



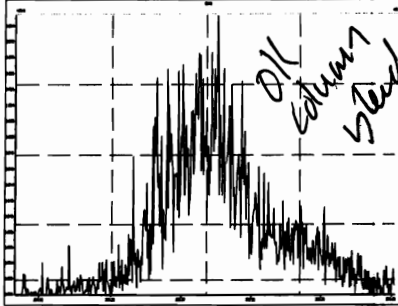
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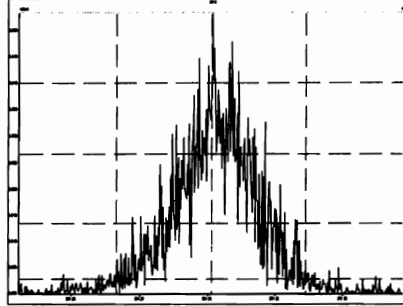
M 254.9856 R 16124



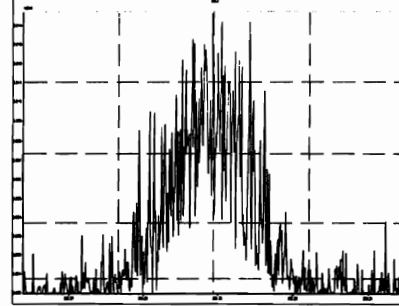
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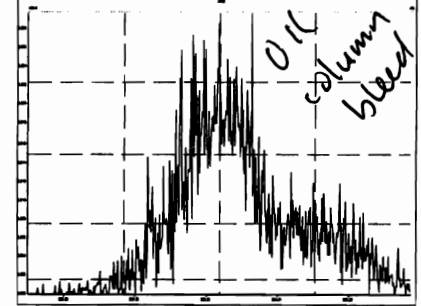
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M 254.9856 R 15946



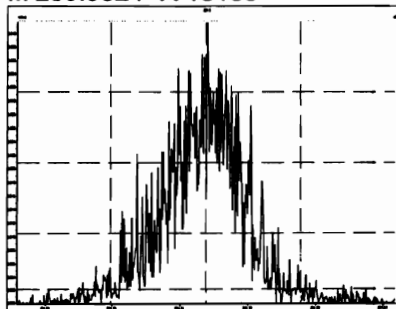
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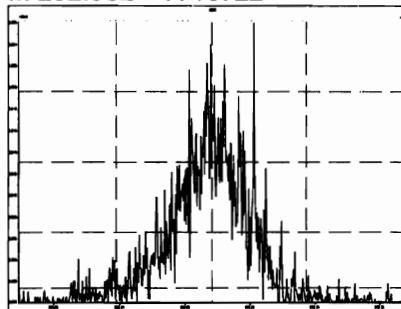


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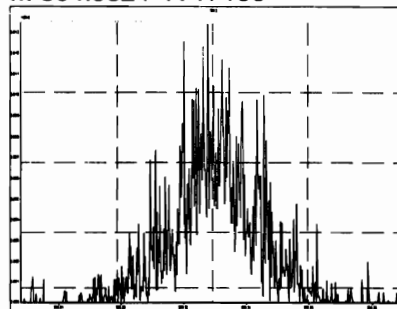
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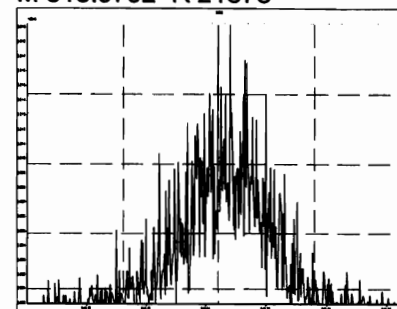
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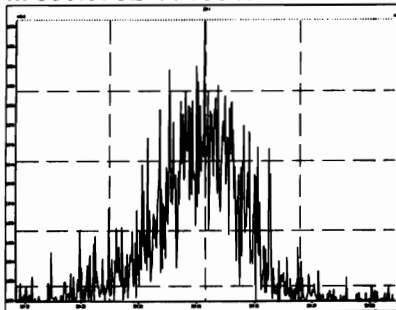
M 304.9824 R 17186



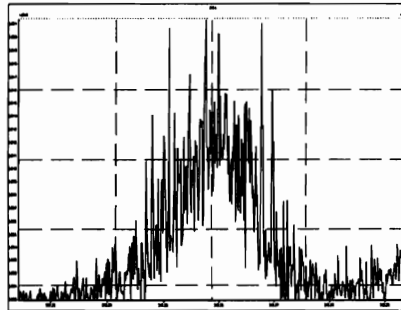
M 318.9792 R 21378



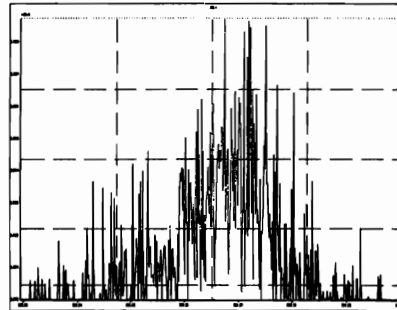
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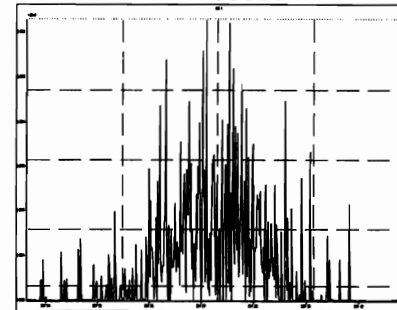
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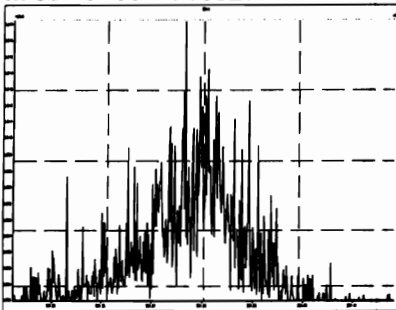
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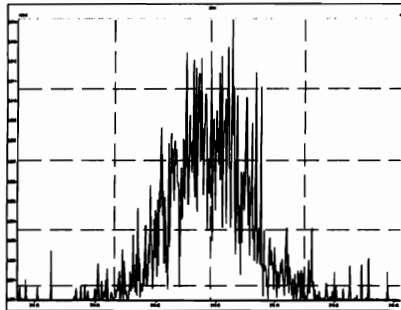
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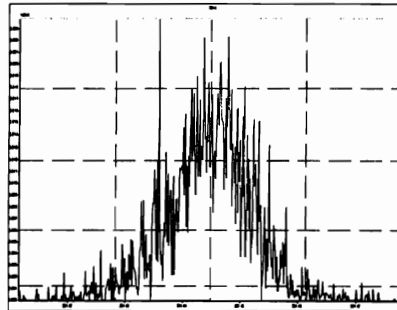
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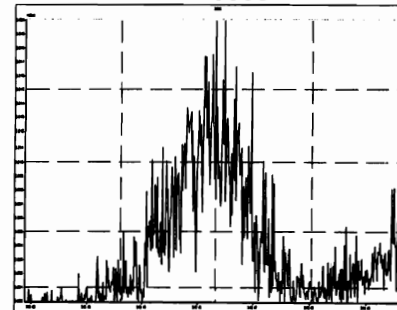
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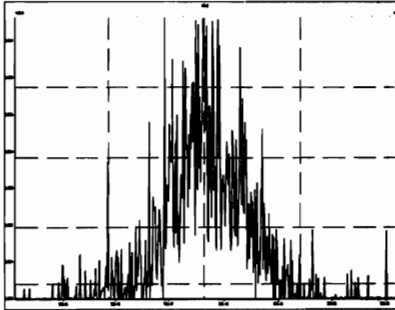
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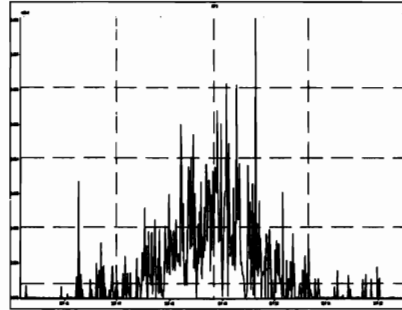
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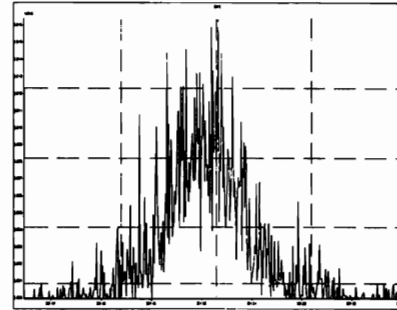
M 354.9792 R 22385



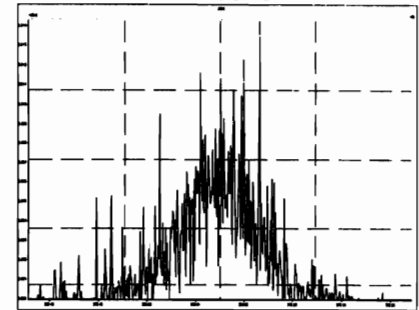
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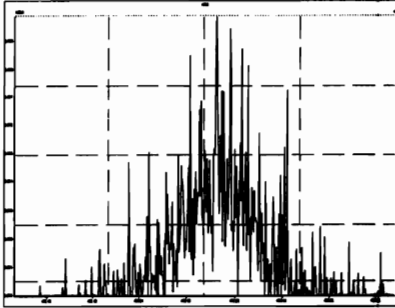
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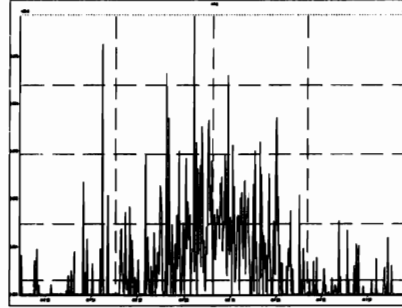
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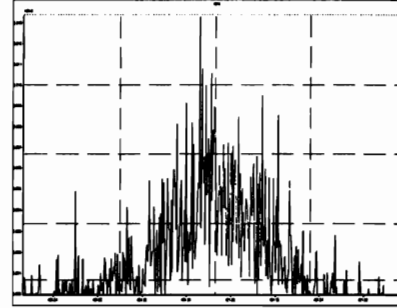
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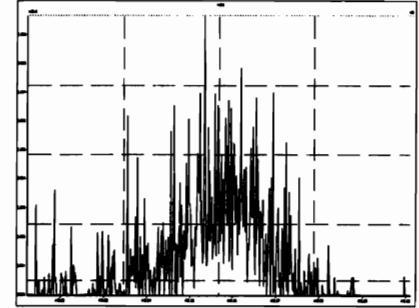
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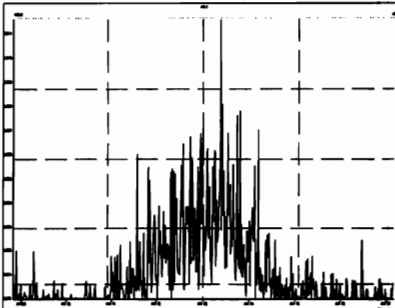
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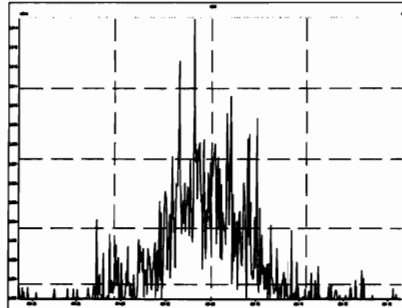
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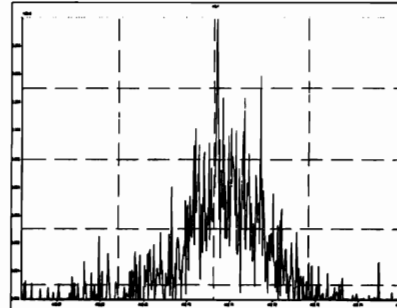
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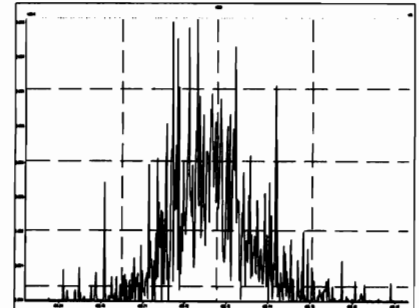
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M 442.9728 R 19945

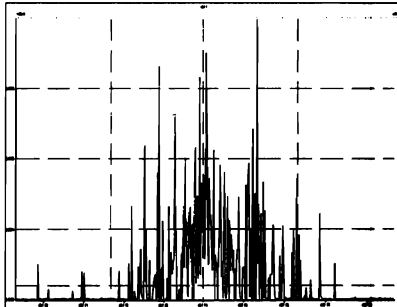


M 454.9728 R 24219

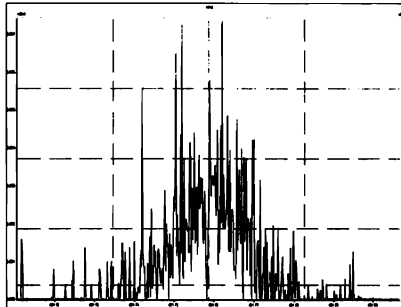


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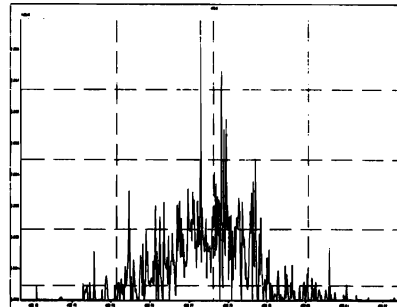
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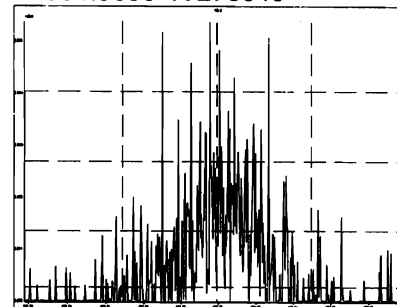
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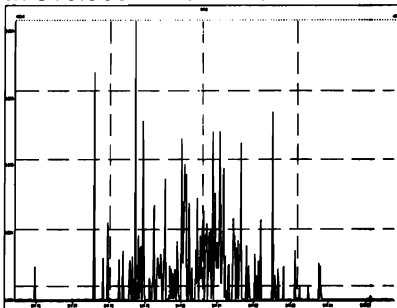
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M 504.9696 R 276040



M 516.9697 R 312496



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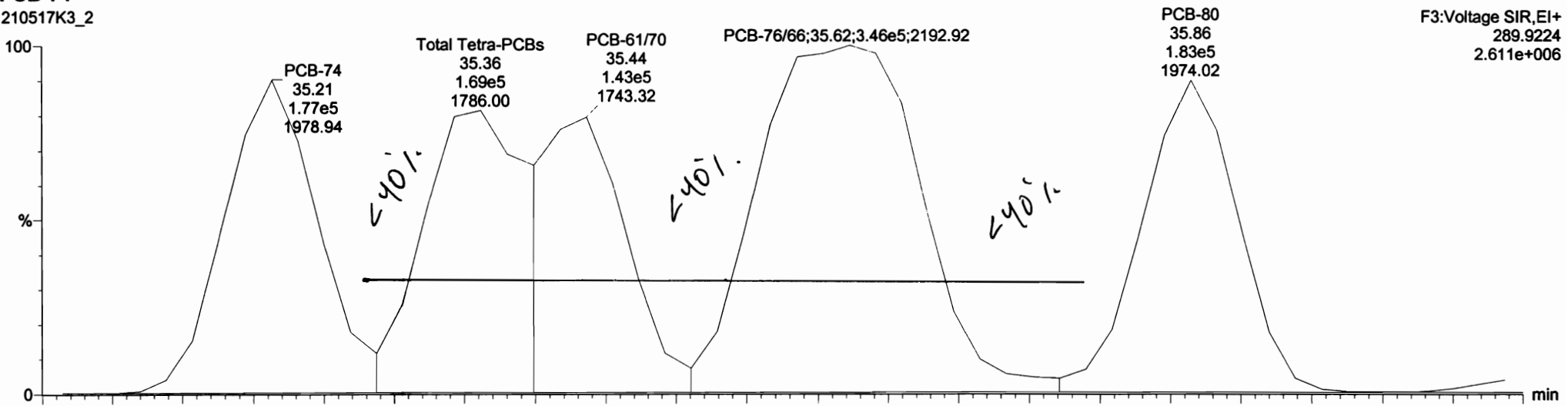
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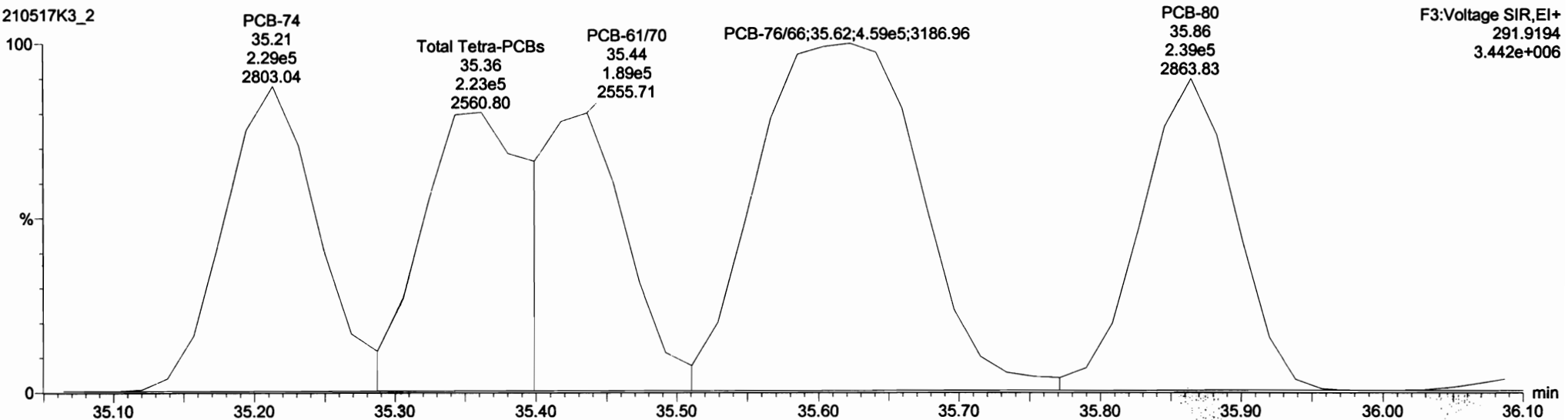
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PCB-74

210517K3\_2



210517K3\_2



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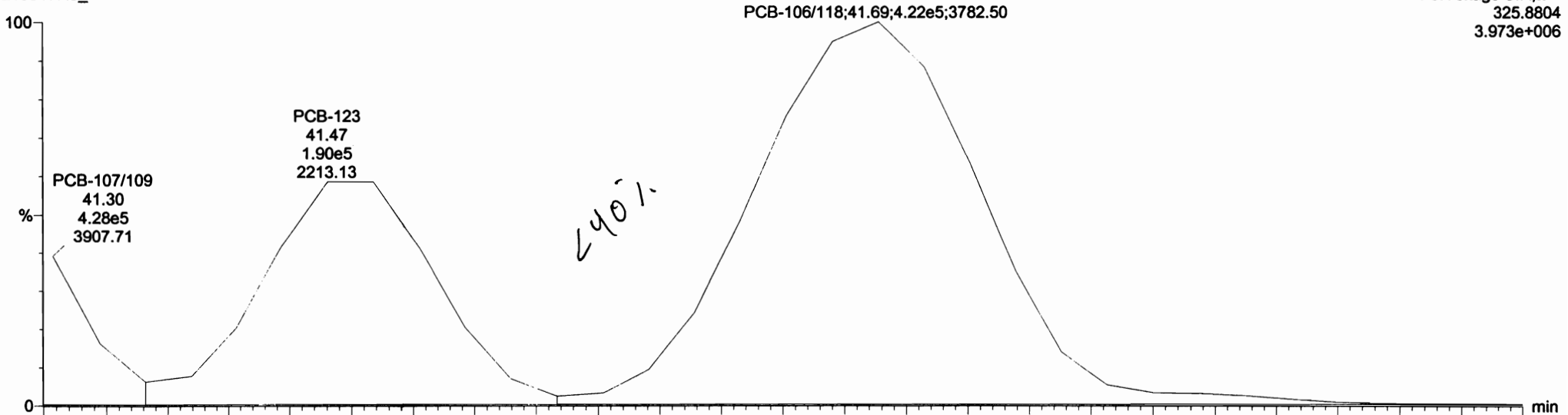
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PCB-123

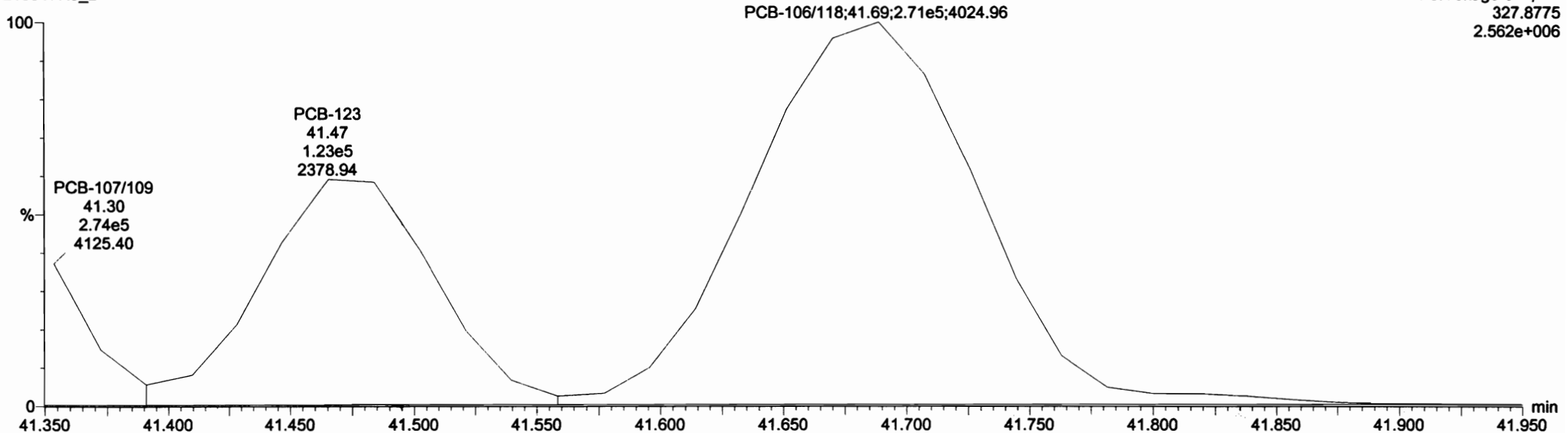
210517K3\_2

F3:Voltage SIR,EI+  
325.8804  
3.973e+006



210517K3\_2

F3:Voltage SIR,EI+  
327.8775  
2.562e+006



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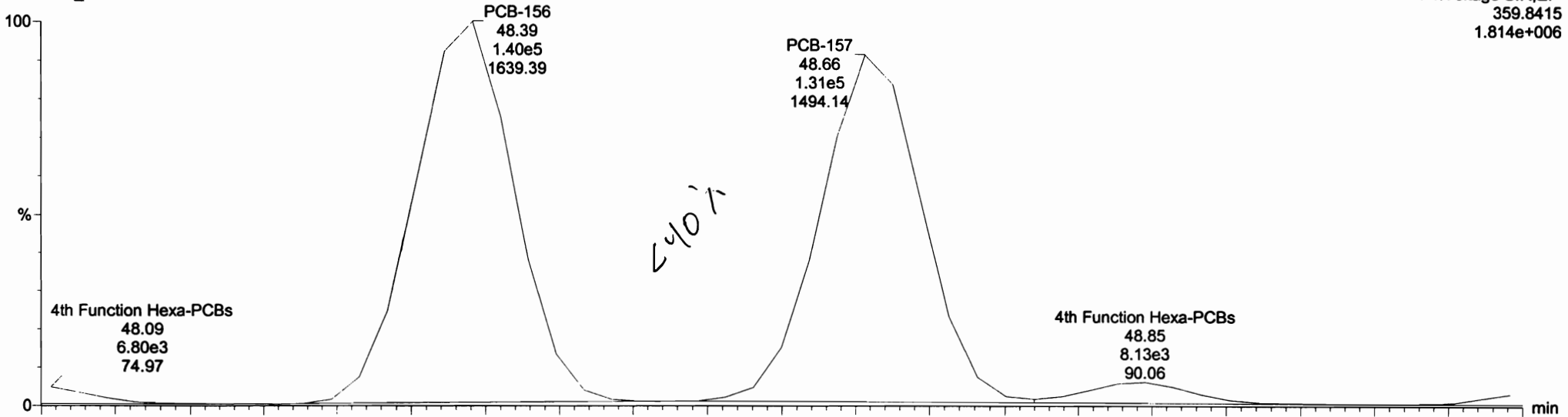
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PCB-156

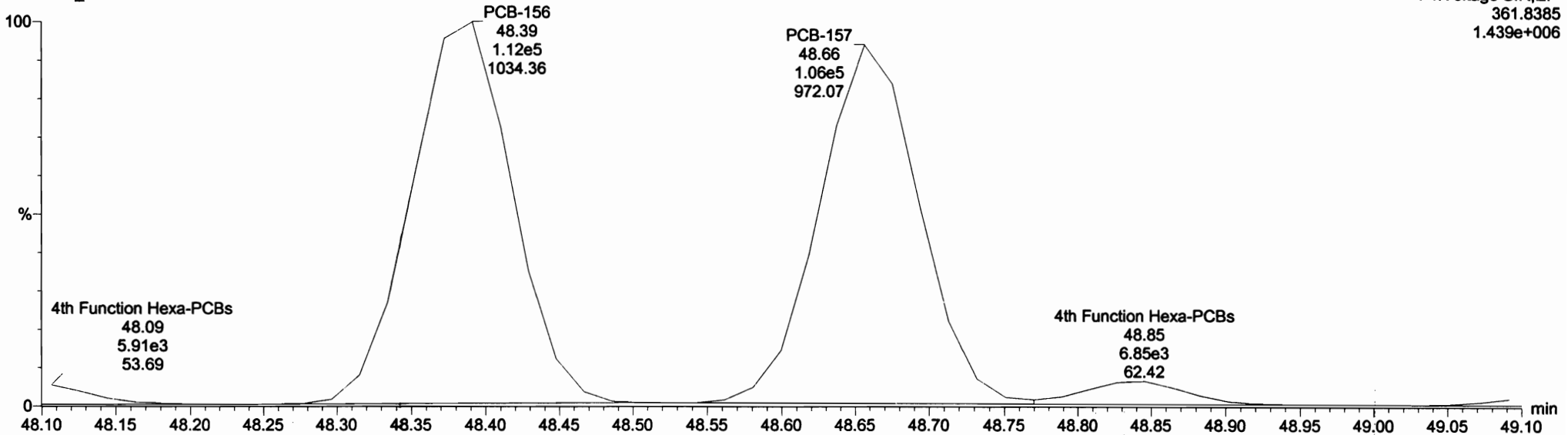
210517K3\_2

F4:Voltage SIR,EI+  
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1.814e+006



210517K3\_2

F4:Voltage SIR,EI+  
361.8385  
1.439e+006



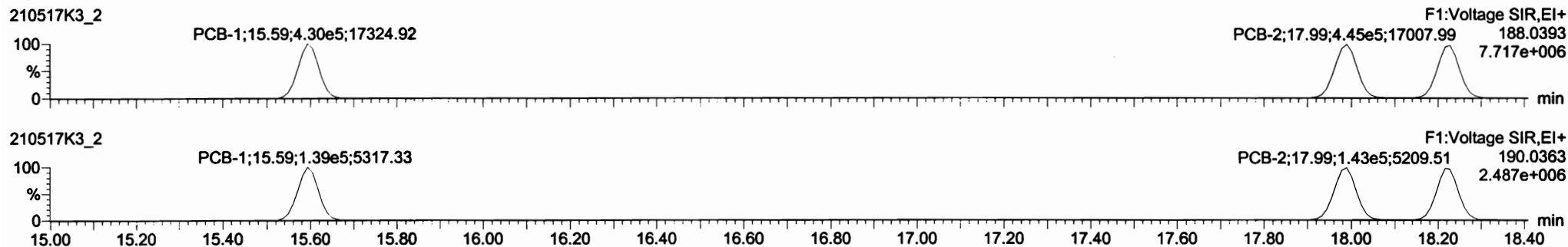
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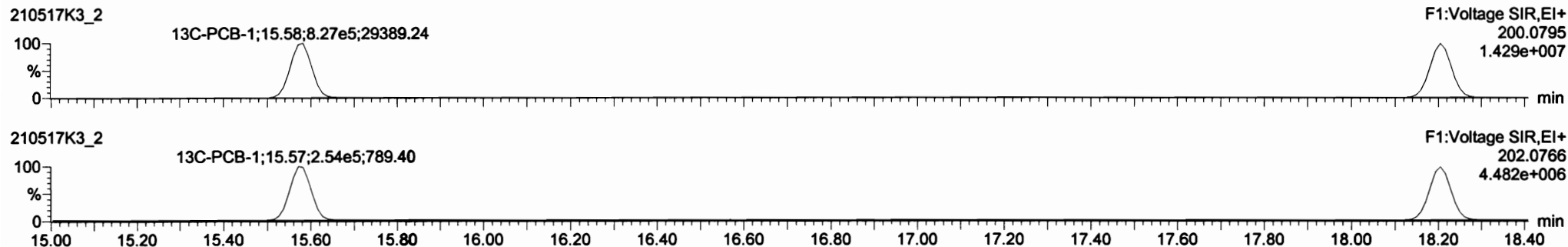
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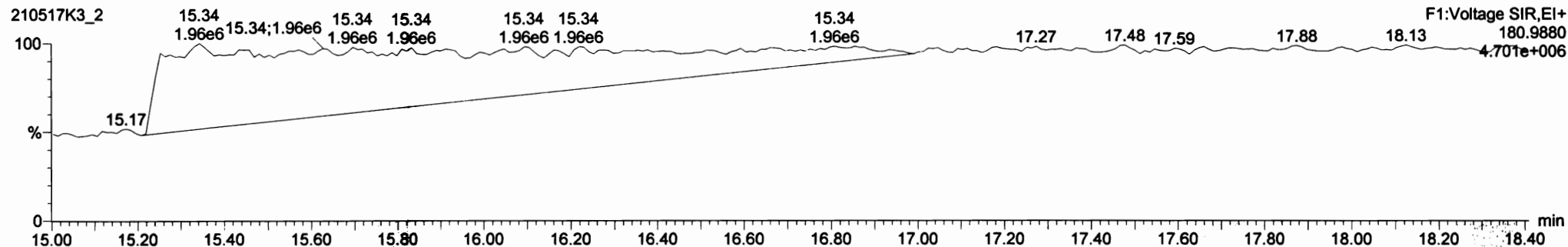
**PCB-1**



**13C-PCB-1**



**PFK1**

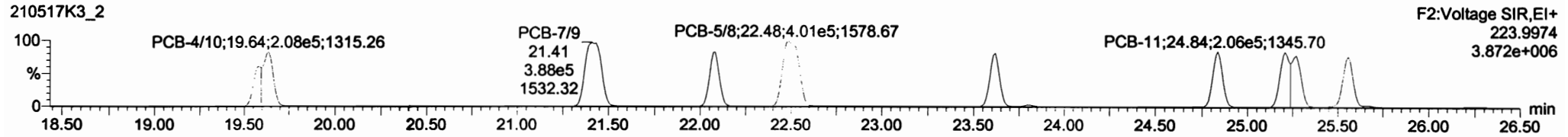
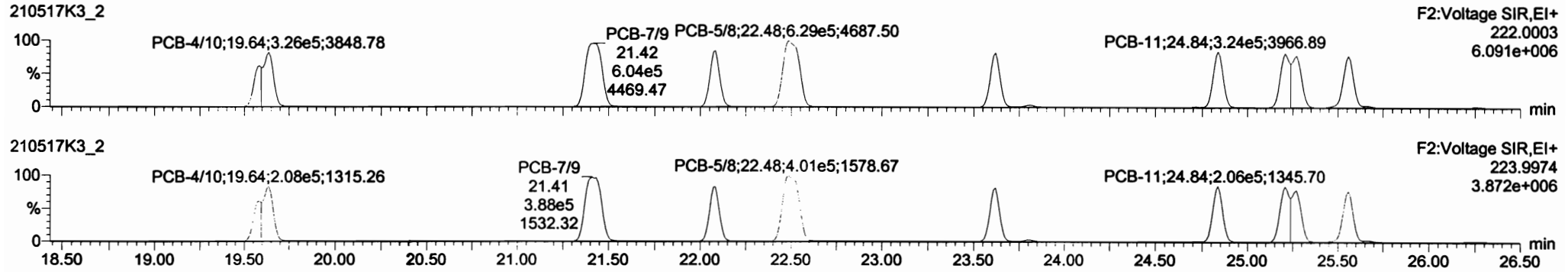


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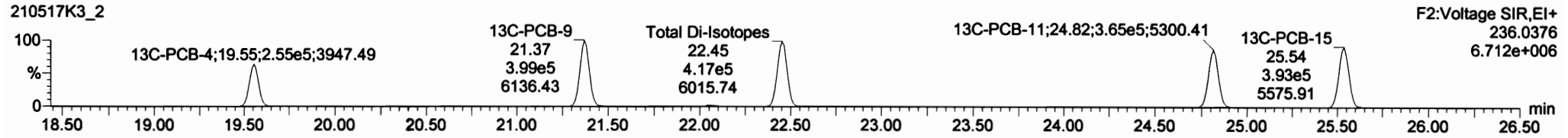
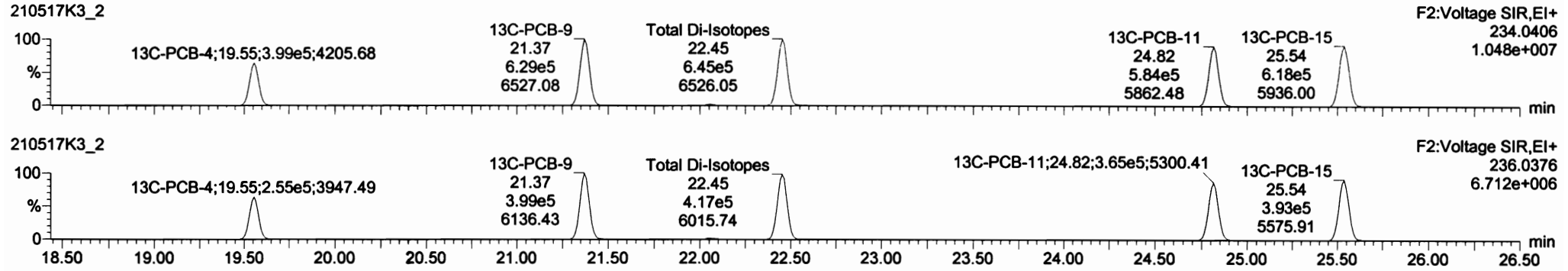
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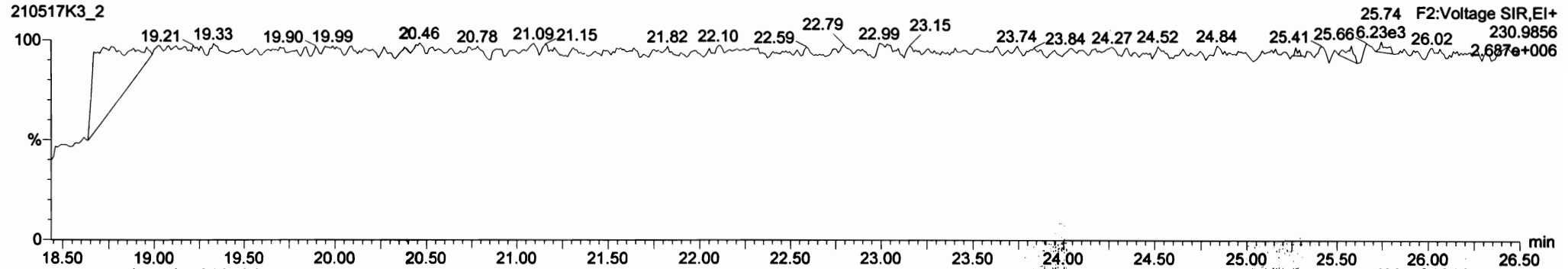
**PCB-4/10**



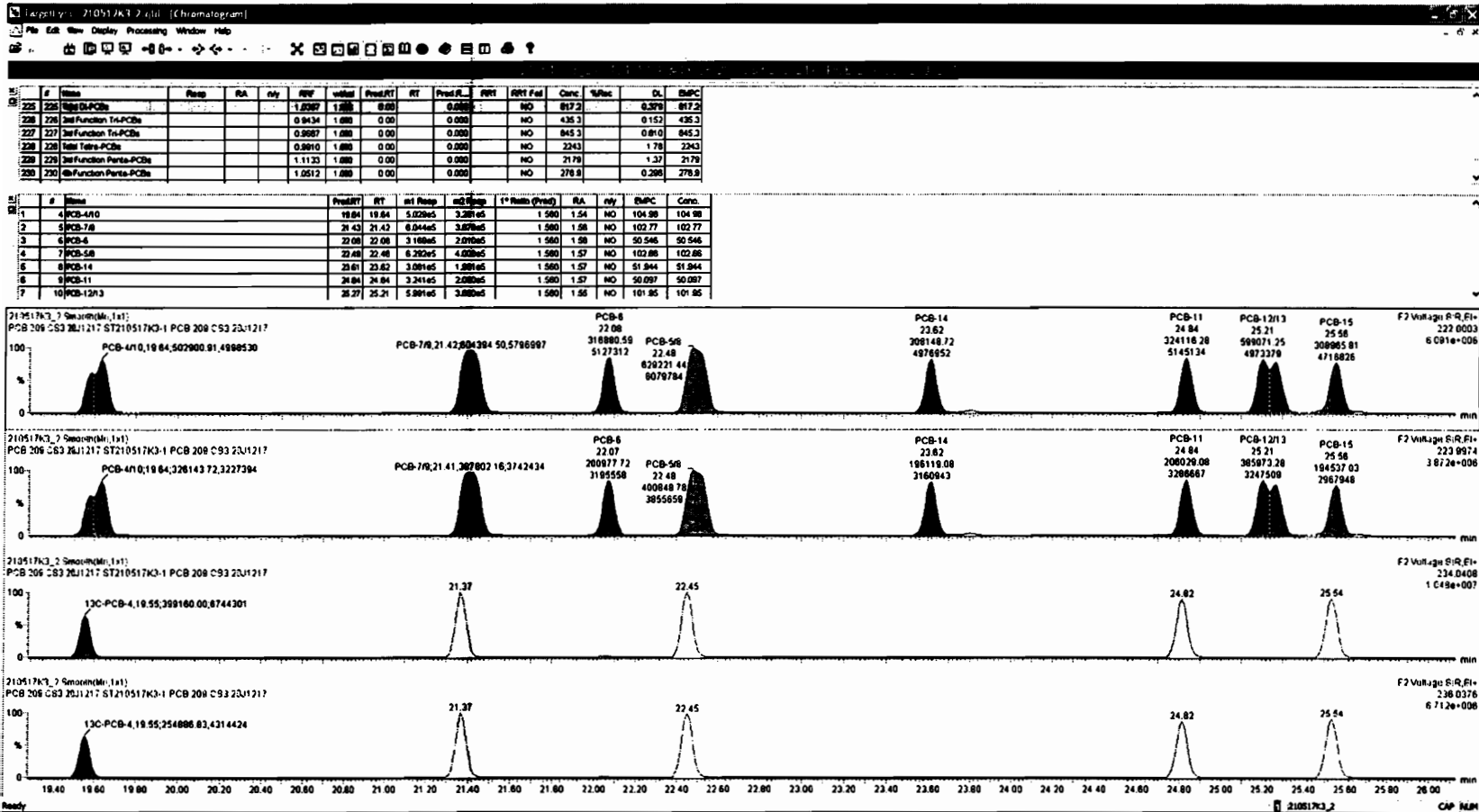
**13C-PCB-4**



**PFK2a**







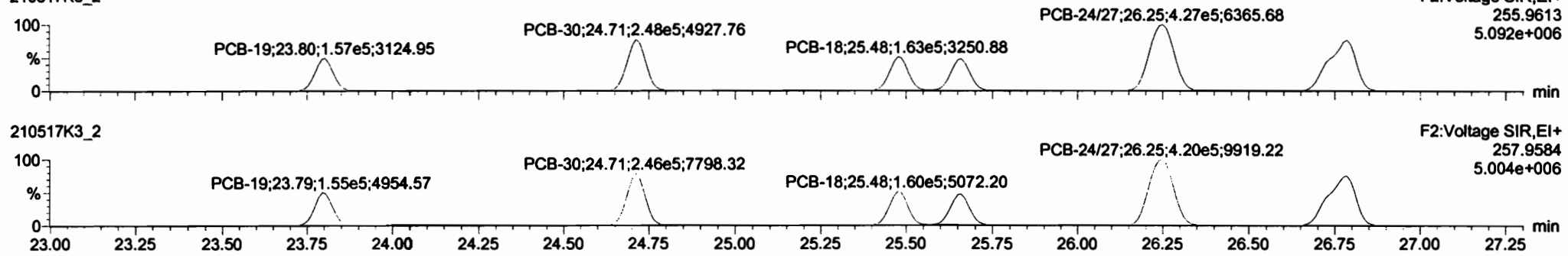
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Last Altered: Tuesday, May 18, 2021 09:40:48 Pacific Daylight Time  
Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

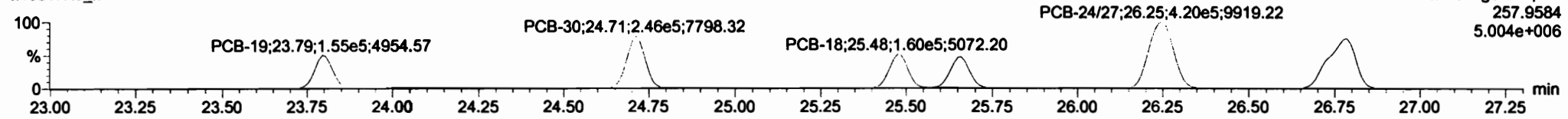
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**PCB-19**

210517K3\_2

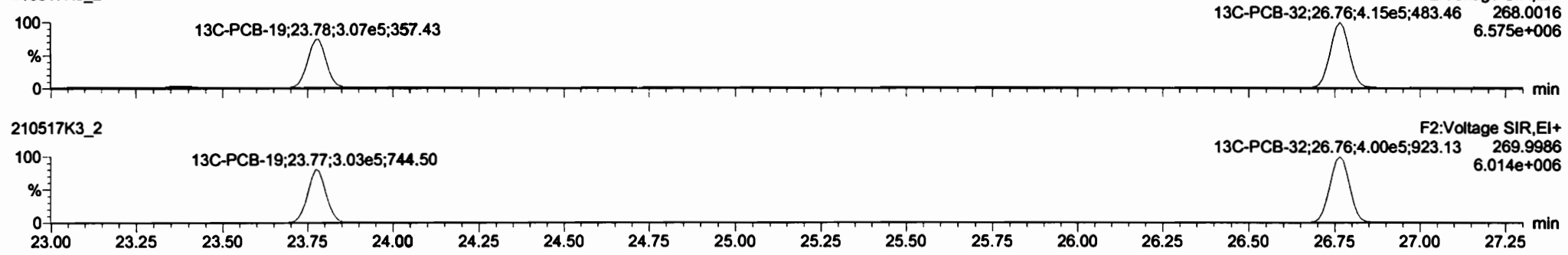


210517K3\_2

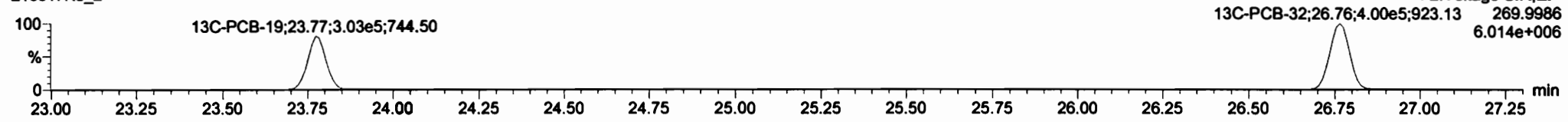


**13C-PCB-19**

210517K3\_2

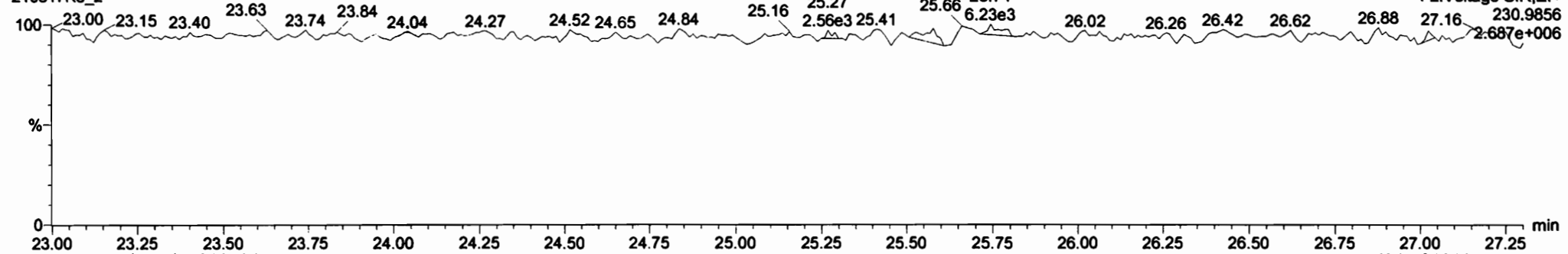


210517K3\_2



**PFK2b**

210517K3\_2

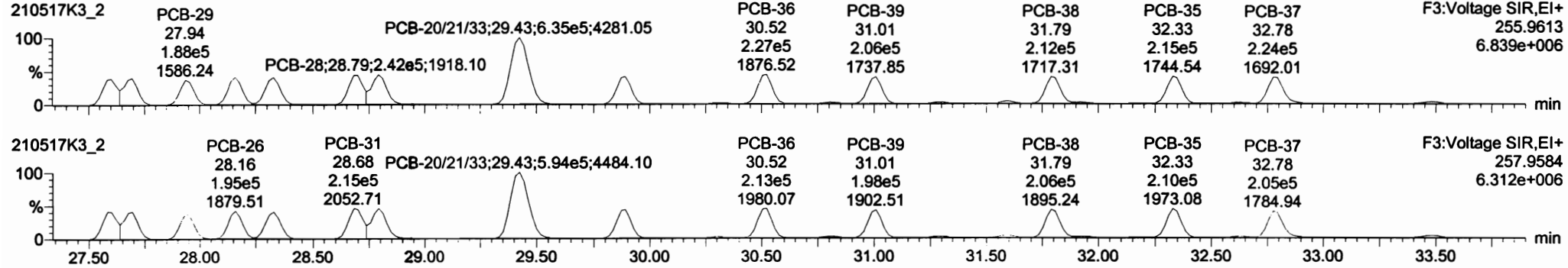


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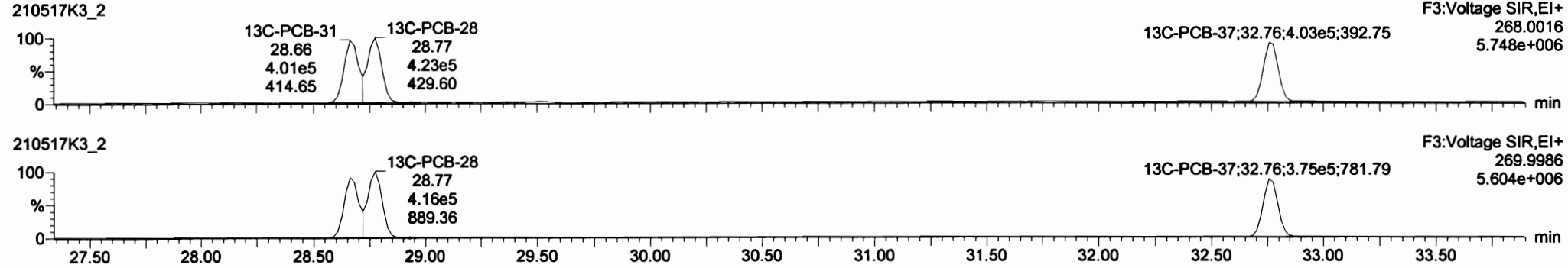
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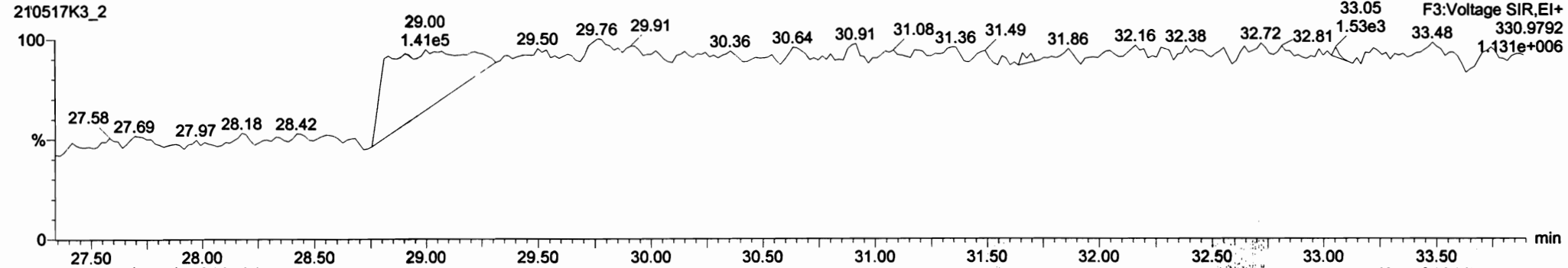
**PCB-34**



**13C-PCB-28**



**PFK3d**

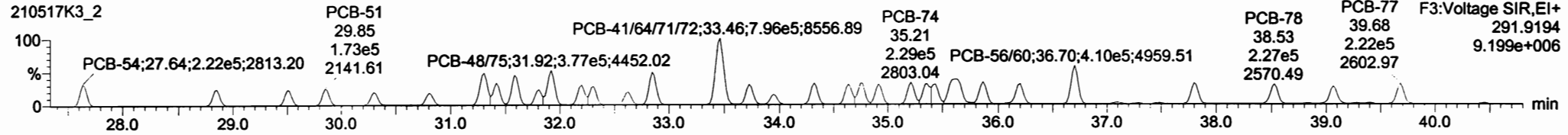
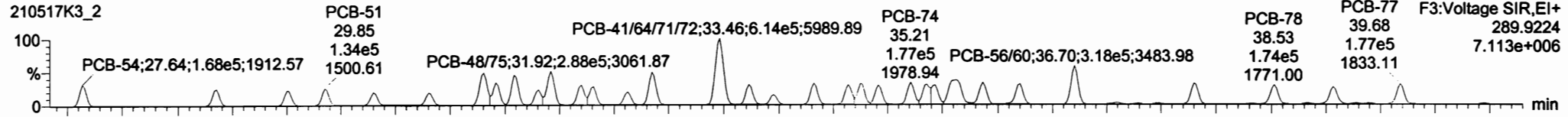


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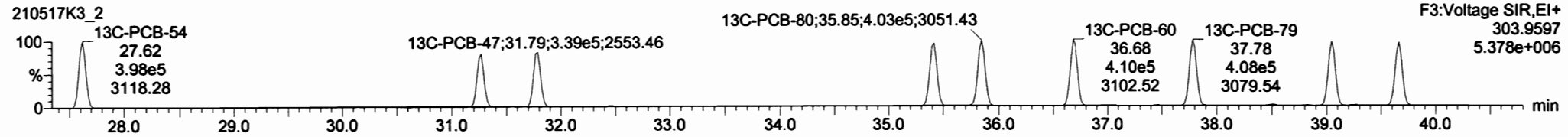
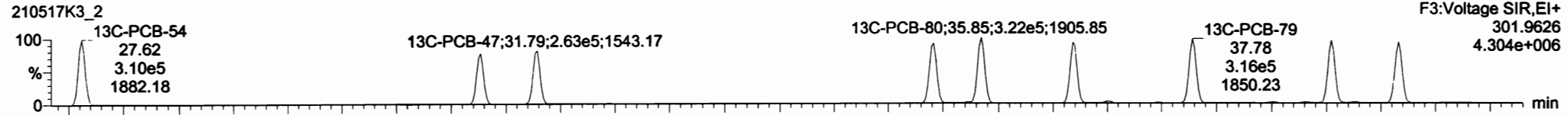
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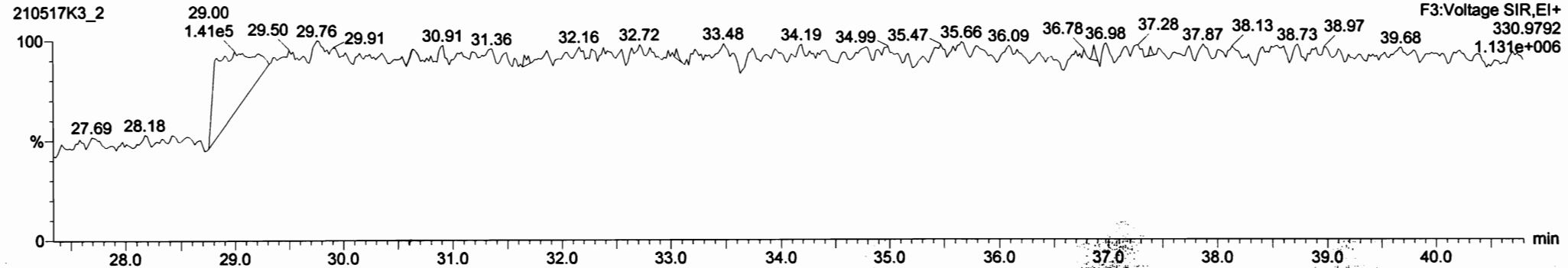
**PCB-54**



**13C-PCB-54**



**PFK3a**

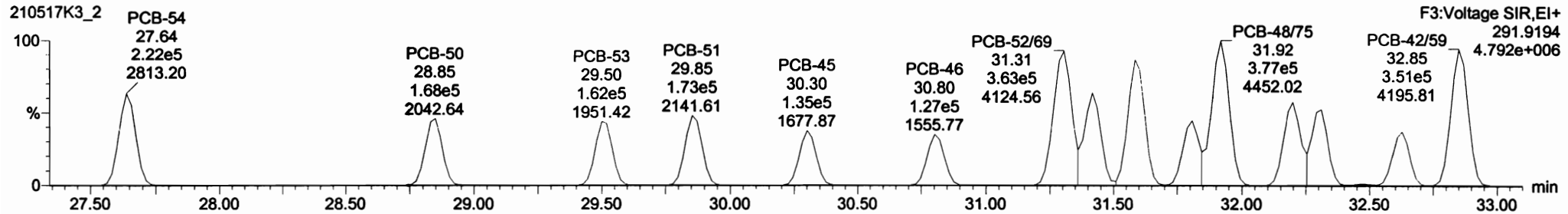
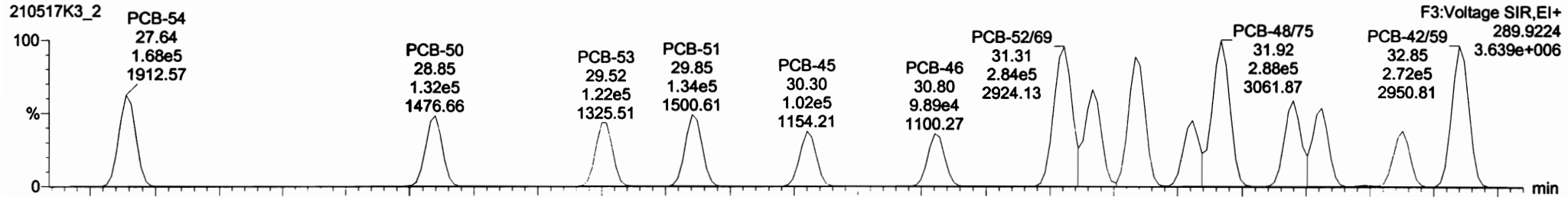


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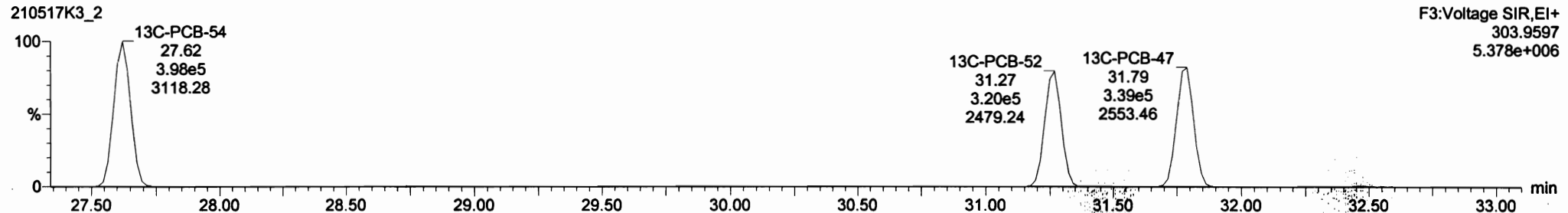
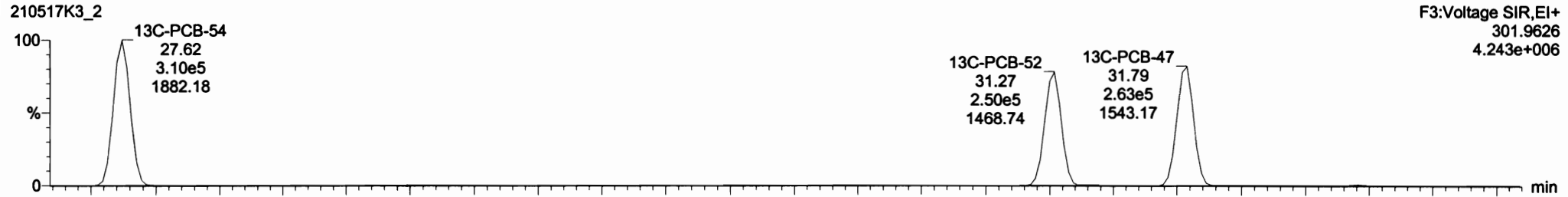
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Name: 210517K3\_2, Date: 18-May-2021, Time: 04:03:30, ID: ST210517K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

**PCB-50**



**13C-PCB-52**



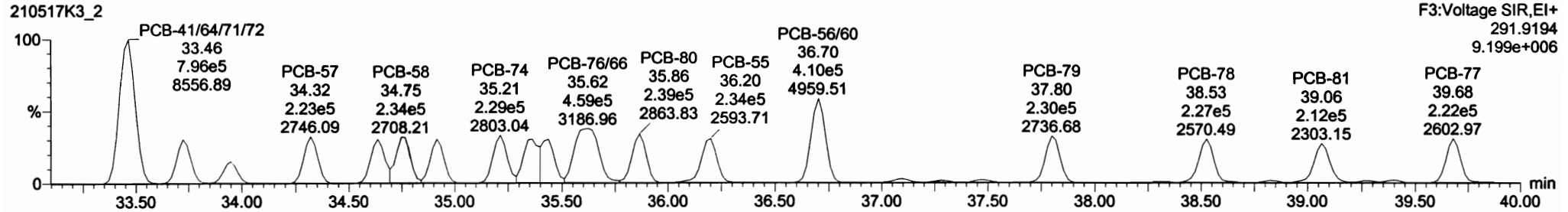
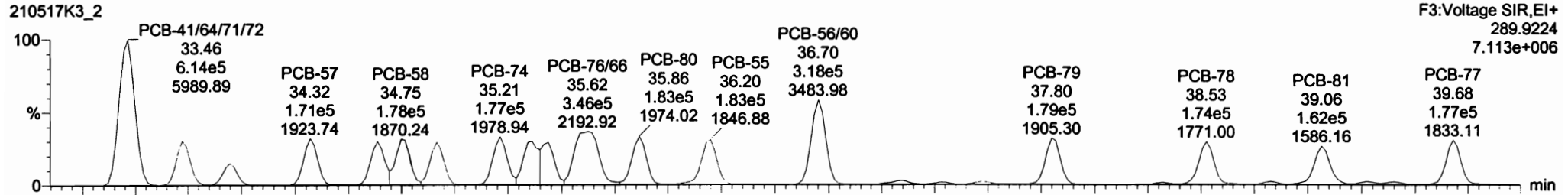
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Last Altered: Tuesday, May 18, 2021 09:40:48 Pacific Daylight Time

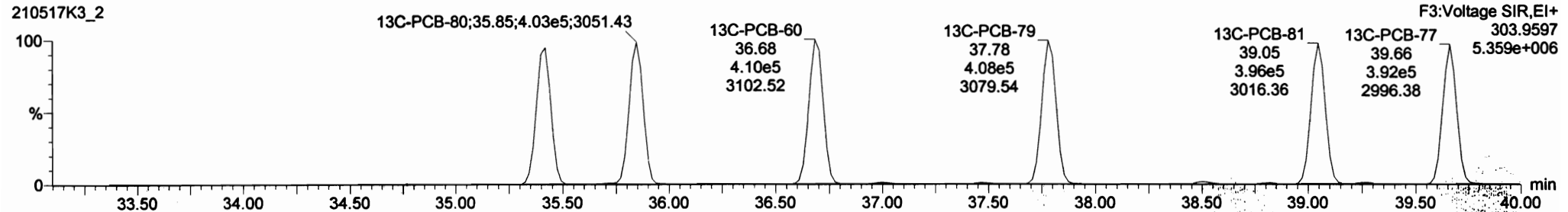
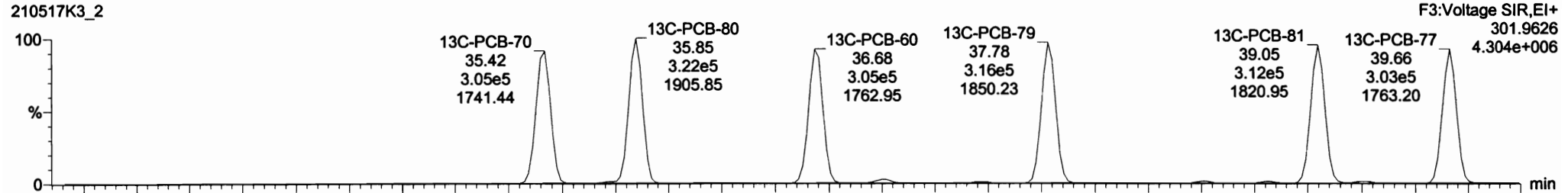
Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

Name: 210517K3\_2, Date: 18-May-2021, Time: 04:03:30, ID: ST210517K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

PCB-68

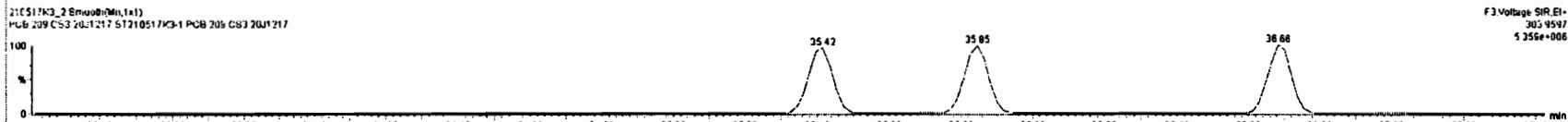
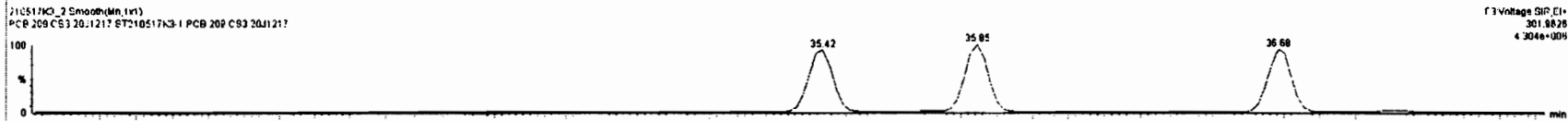
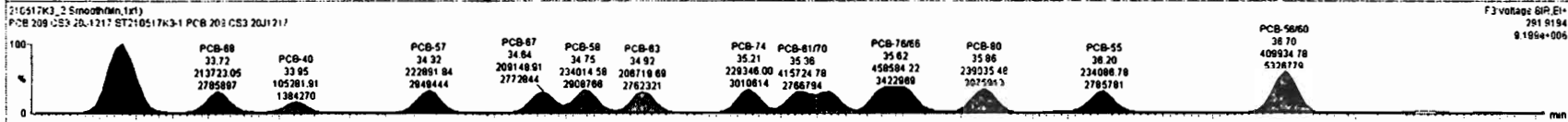
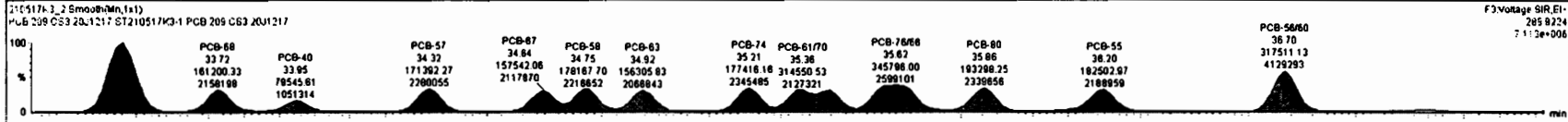


13C-PCB-60



#	Name	Resp	RA	rvy	RRT	wtAve	Pred RT	RT	PrepC	RRT	RRT Fail	Conc.	U/Mec	DL	EMPC
225	Total Di-PCBs				1.0387	1.000	0.00	0.000		NO		617.2	0.378	617.2	
226	2nd Function Tri-PCBs				0.9434	1.000	0.00	0.000		NO		435.3	0.152	435.3	
227	3rd Function Tri-PCBs				0.8887	1.000	0.00	0.000		NO		845.3	0.810	845.3	
228	Total Tetra-PCBs				0.8818	1.000	0.00	0.000		NO		2243	1.78	2243	
229	3rd Function Penta-PCBs				1.1133	1.000	0.00	0.000		NO		2178	1.37	2178	
230	4th Function Penta-PCBs				1.0512	1.000	0.00	0.000		NO		278.9	0.298	278.9	

#	Name	Pred RT	RT	int Resp	GC Resp	1* Ratio (Pred)	RA	rvy	EMPC	Conc
1	PCB-54	27.84	27.84	1.681e5	2.221e5	0.770	0.78	NO	38.548	38.548
2	PCB-50	28.88	28.85	1.320e5	1.883e5	0.770	0.78	NO	52.817	52.817
3	PCB-53	29.52	29.52	1.220e5	1.818e5	0.770	0.75	NO	53.083	53.083
4	PCB-51	29.87	29.85	1.342e5	1.721e5	0.770	0.78	NO	53.978	53.978
5	PCB-45	30.32	30.30	1.021e5	1.352e5	0.770	0.78	NO	51.821	51.821
6	PCB-46	30.82	30.80	9.889e4	1.275e5	0.770	0.78	NO	51.578	51.578
7	PCB-52/88	31.31	31.31	2.842e5	3.834e5	0.770	0.78	NO	105.08	105.08

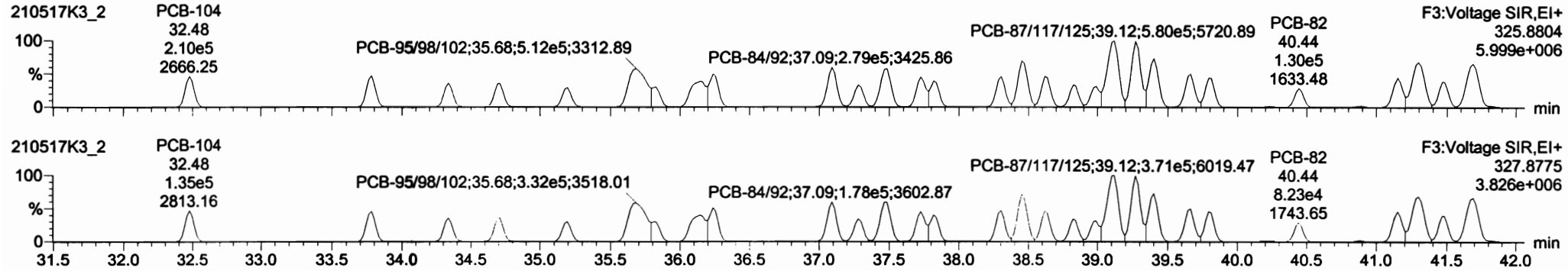


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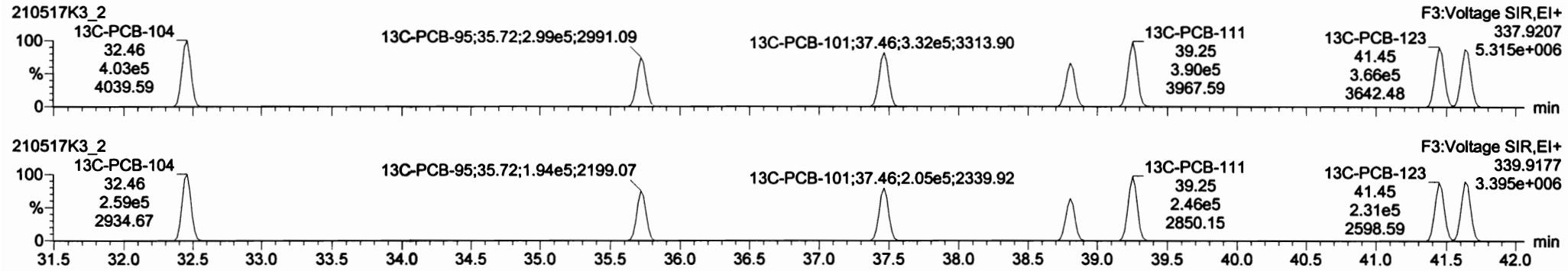
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Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

Name: 210517K3\_2, Date: 18-May-2021, Time: 04:03:30, ID: ST210517K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

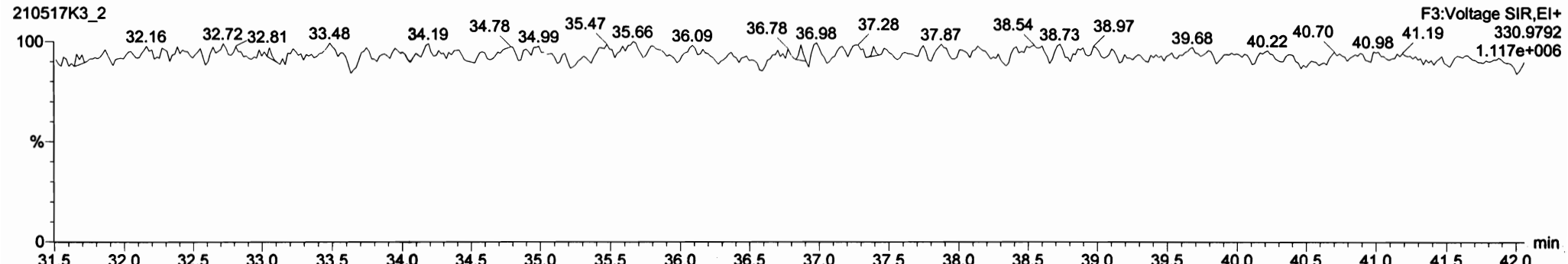
**PCB-104**



**13C-PCB-104**



**PFK3b**





Dataset: Untitled

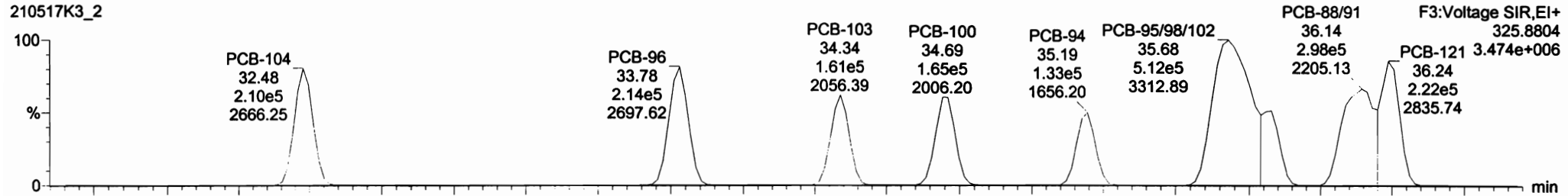
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Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

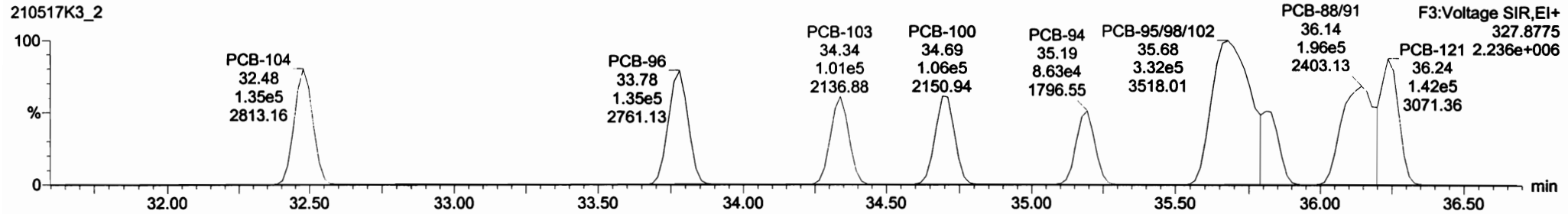
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**PCB-96**

210517K3\_2

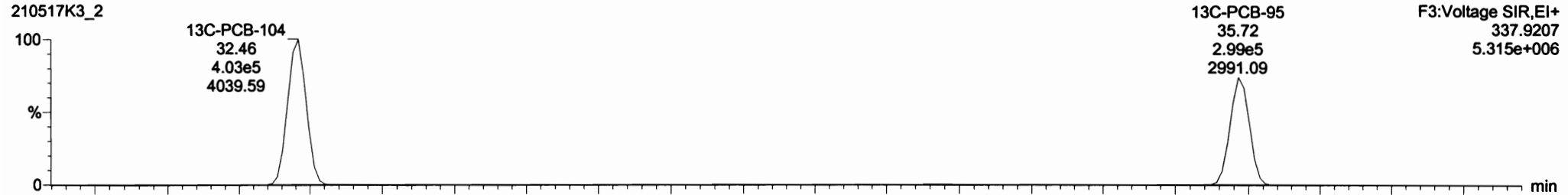


210517K3\_2

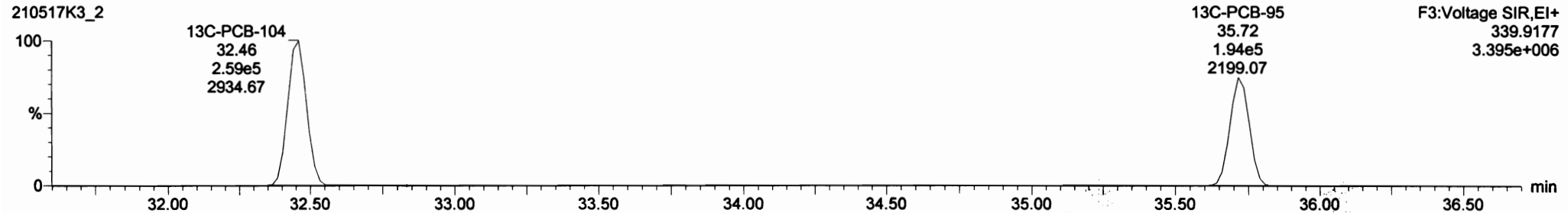


**13C-PCB-95**

210517K3\_2



210517K3\_2



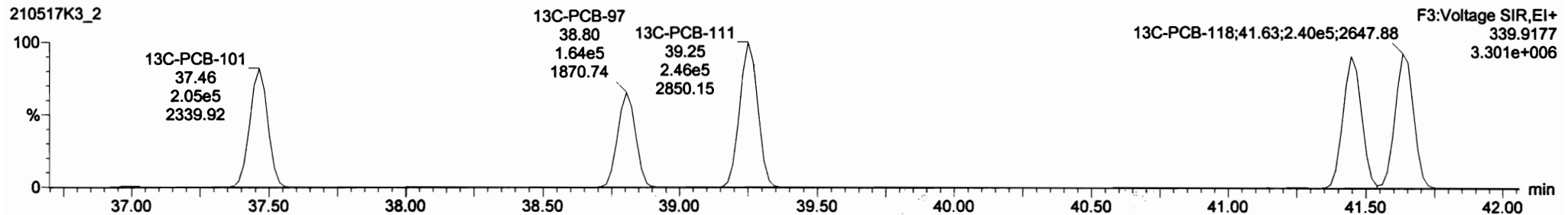
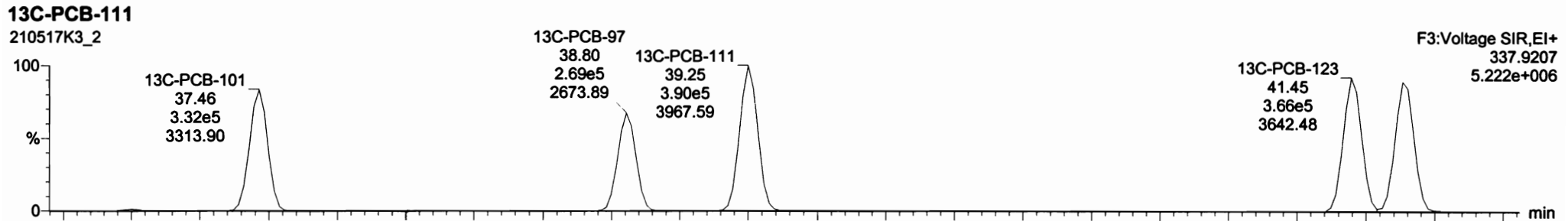
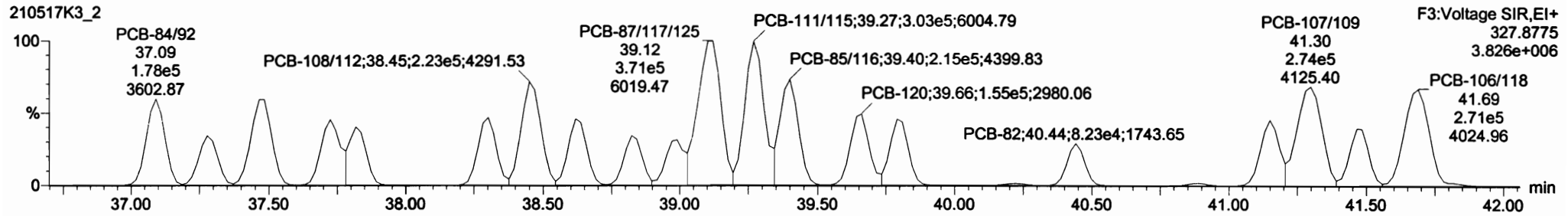
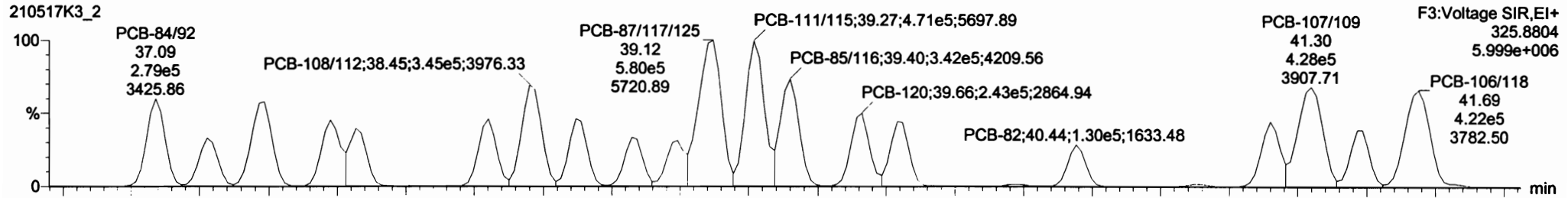
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Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

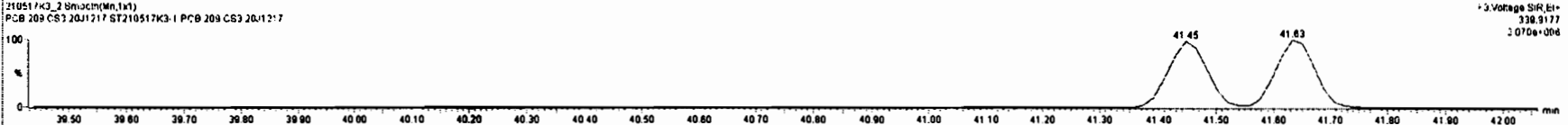
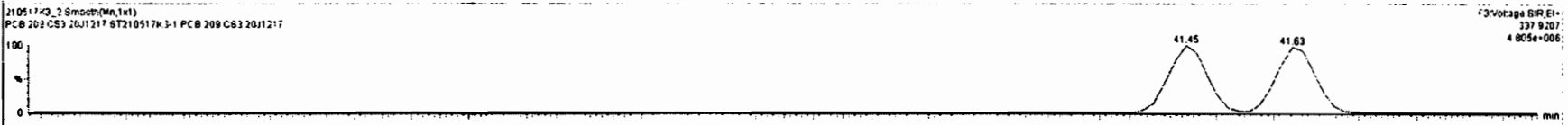
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PCB-119



#	Name	Resp	RA	nHy	RFW	wdVnl	Pred.RT	RT	Pred.R	PRT	PRT Full	Conc.	%Rec	DL	EMPC
226	226 Total Di-PCBs				1.0387	1.000	0.00		0.000		NO	817.2	0.379	617.2	
228	228 2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	435.3	0.152	435.3	
227	227 3rd Function Tri-PCBs				0.8887	1.000	0.00		0.000		NO	845.3	0.810	845.3	
229	229 Total Tetra-PCBs				0.9810	1.000	0.00		0.000		NO	2243	1.78	2243	
228	228 2nd Function Penta-PCBs				1.1133	1.888	0.00		0.000		NO	2178	1.37	2178	
230	230 4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	278.9	0.286	278.9	

#	Name	Pred.RT	RT	Int Resp	Ext Resp	1 <sup>st</sup> Ratio (Pred)	RA	nHy	EMPC	Conc.
1	64 PCB-104	32.48	32.48	2.105e5	1.348e5	1.580	1.96	NO	53147	53147
2	65 PCB-98	33.78	33.78	2.138e5	1.353e5	1.580	1.98	NO	53899	53899
3	66 PCB-103	34.36	34.34	1.807e5	1.014e5	1.580	1.98	NO	51455	51455
4	67 PCB-100	34.71	34.88	1.851e5	1.058e5	1.580	1.96	NO	50887	50887
5	68 PCB-94	35.17	35.18	1.327e5	8.828e4	1.580	1.94	NO	53523	53523
6	69 PCB-95/98/102	35.87	35.88	5.118e5	3.321e5	1.580	1.94	NO	15998	15998
7	70 PCB-83	35.79	35.83	1.257e5	7.902e4	1.580	1.98	NO	54993	54993



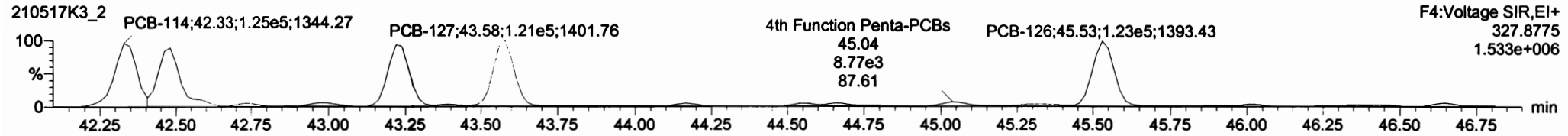
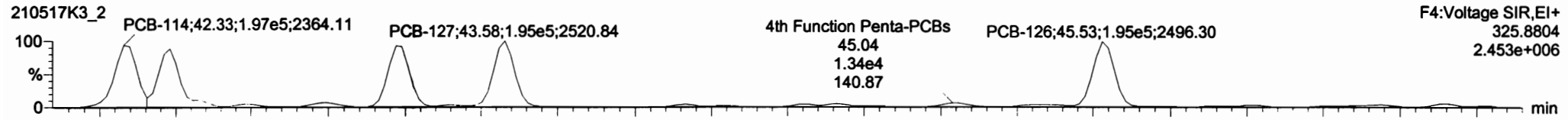
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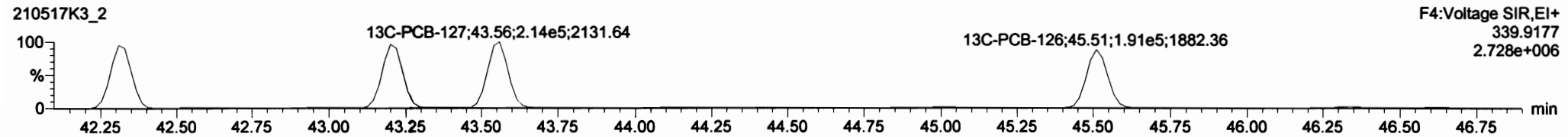
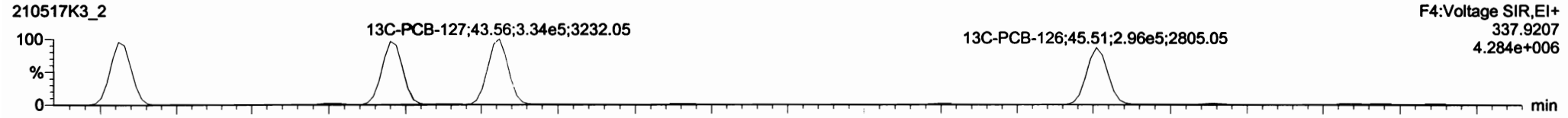
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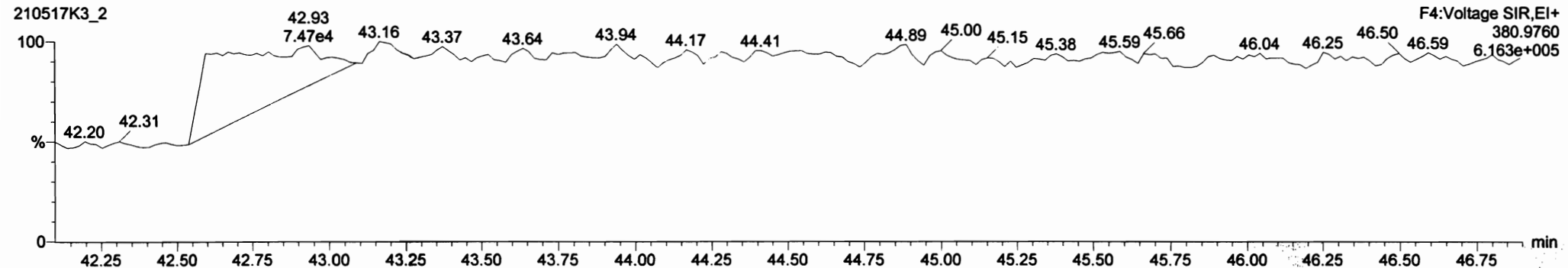
**PCB-114**

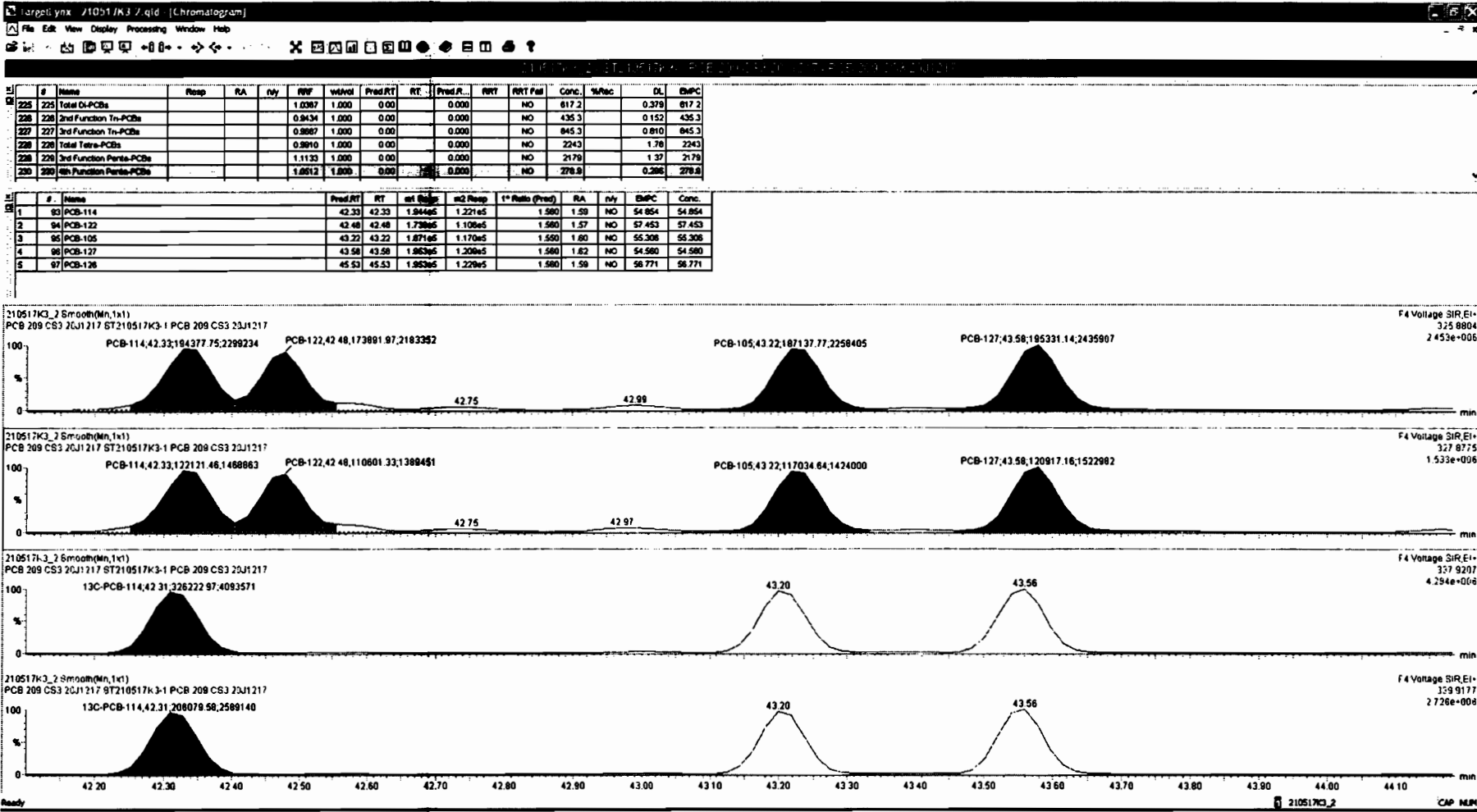


**13C-PCB-114**



**PFK4a**



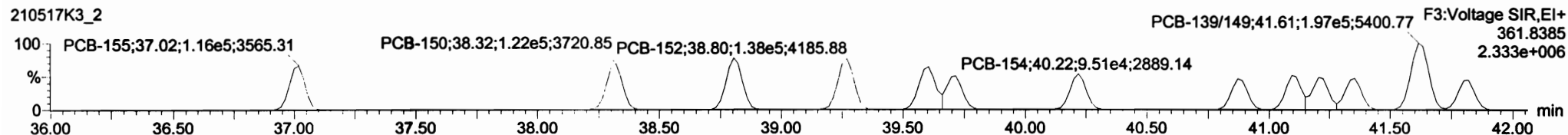
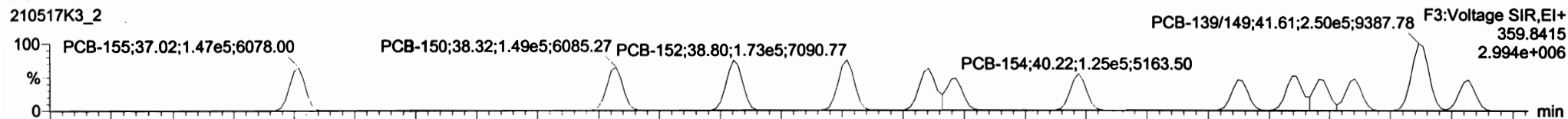


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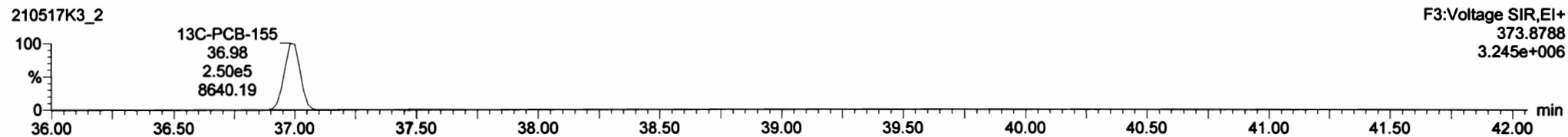
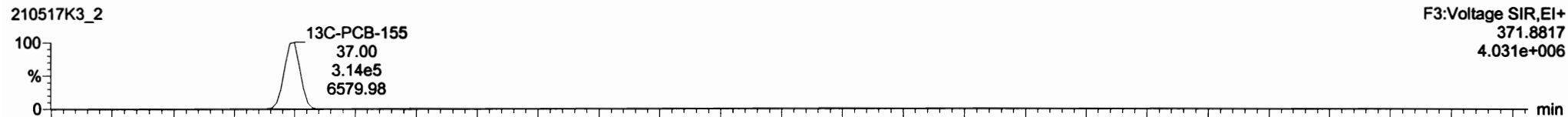
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Name: 210517K3\_2, Date: 18-May-2021, Time: 04:03:30, ID: ST210517K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

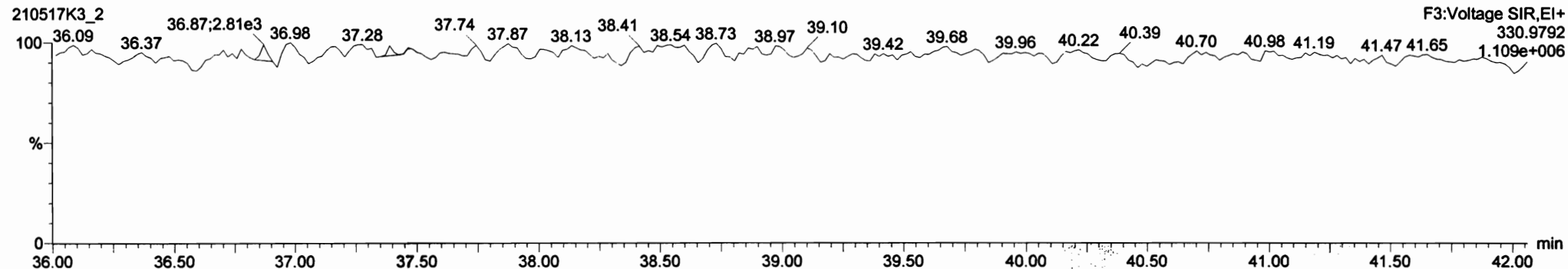
**PCB-155**



**13C-PCB-155**

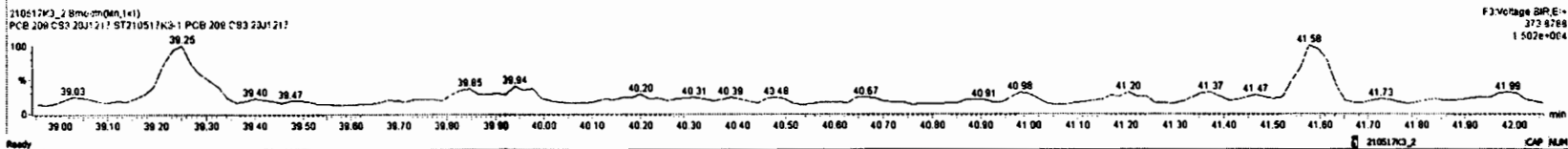
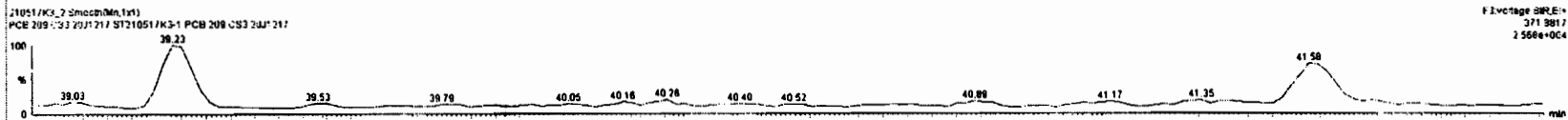
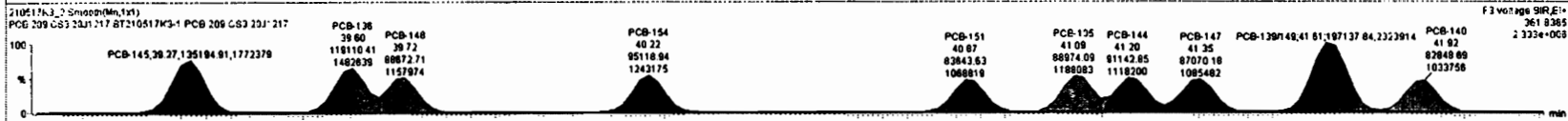
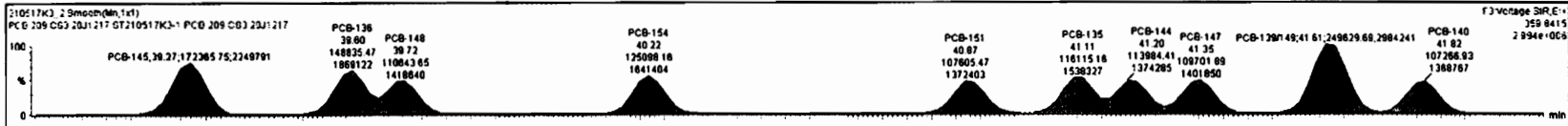


**PFK3c**



#	Name	Resp	RA	dy	RRF	wtVal	Pres RT	RT	Pres R <sub>z</sub>	RRT	RRT Pat	Conc	%Inc	DL	BuPC
225	Total Di-PCBs				1.0267	1.000	0.00	0.000	0.000		NO	617.2		0.379	617.2
226	2nd Function Tri-PCBs				0.9434	1.000	0.00	0.000	0.000		NO	425.3		0.152	425.3
227	3rd Function Tri-PCBs				0.2887	1.000	0.00	0.000	0.000		NO	845.3		0.810	845.3
228	Total Tetra-PCBs				0.28910	1.000	0.00	0.000	0.000		NO	2243		1.78	2243
229	3rd Function Penta-PCBs				1.1133	1.000	0.00	0.000	0.000		NO	2178		1.37	2178
230	4th Function Penta-PCBs				1.0512	1.000	0.00	0.000	0.000		NO	278.9		0.298	278.9

#	Name	Pres RT	RT	at Resp	wt (Resp)	1 <sup>st</sup> Retn (Pres)	RA	dy	BuPC	Conc.
7	104 PCB-154	40.24	40.22	1.251e5	9.513e4	1.240	1.32	NO	54.181	54.181
8	105 PCB-151	40.88	40.87	1.078e5	8.288e4	1.240	1.28	NO	50.307	50.307
9	106 PCB-135	41.11	41.11	1.181e5	8.887e4	1.240	1.31	NO	50.296	50.296
10	107 PCB-144	41.22	41.20	1.140e5	9.116e4	1.240	1.25	NO	52.801	52.801
11	108 PCB-147	41.37	41.35	1.087e5	8.707e4	1.240	1.28	NO	48.948	48.948
12	109 PCB-139/148	41.63	41.61	2.488e5	1.871e5	1.240	1.27	NO	102.46	102.46
13	110 PCB-140	41.84	41.82	1.073e5	8.288e4	1.240	1.28	NO	51.878	51.878

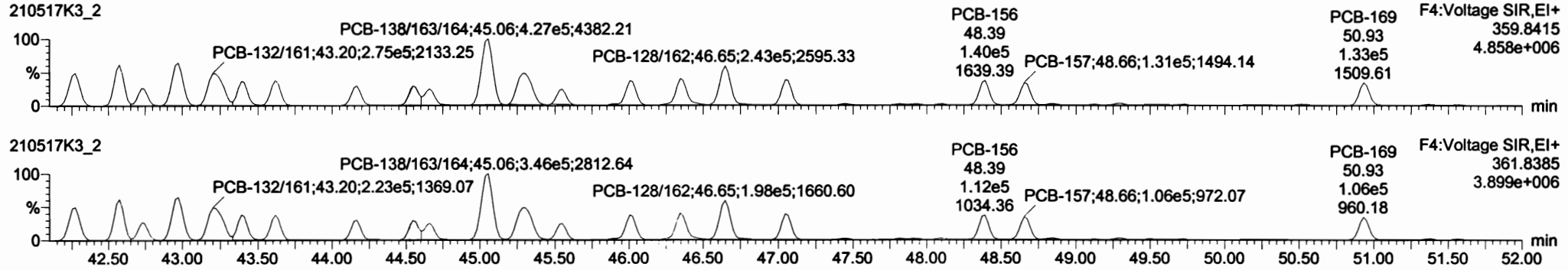


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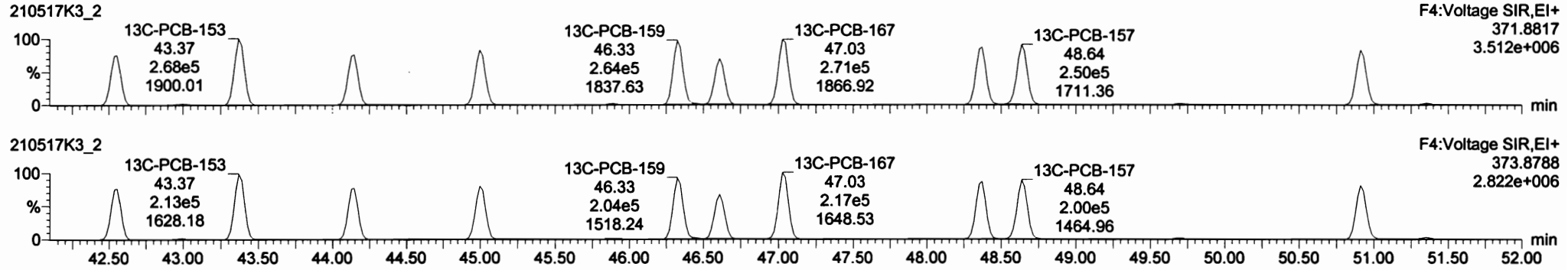
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Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

Name: 210517K3\_2, Date: 18-May-2021, Time: 04:03:30, ID: ST210517K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

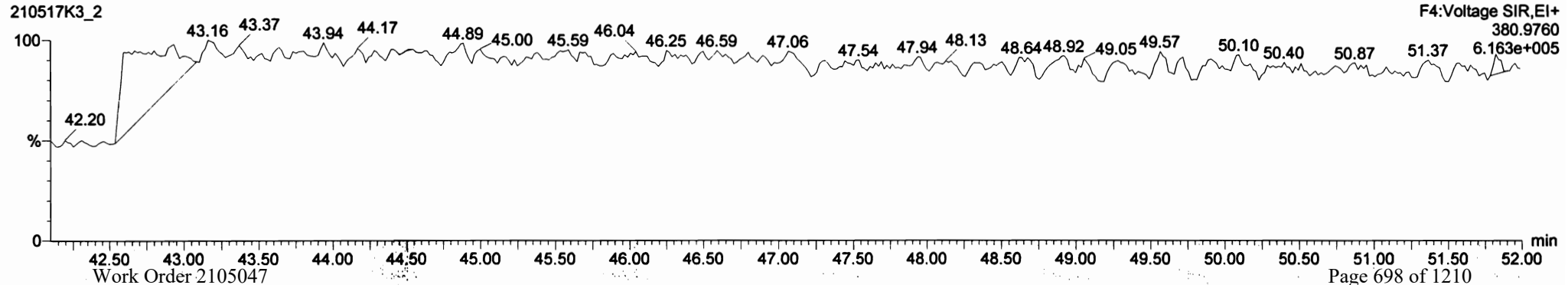
PCB-134/143



13C-PCB-153



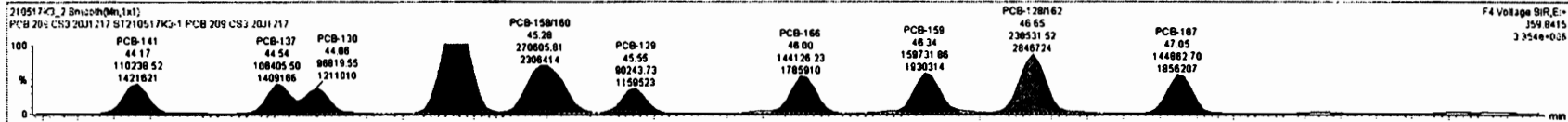
PFK4b





#	Name	Resp	RA	nly	RNF	ndet	ProdRT	RT	ProdAL	RRT	RWT.Fab	Conc.	%Acc	DL	ExpC
232	232 4th Function Mono-PCBs				0.8405	1.898	0.00		0.000		NO	1832		1.88	1532
233	233 Total Hepta-PCBs				1.2043	1.000	0.00		0.000		NO	1286		2.44	1286
234	234 4th Function Octa-PCBs				0.8605	1.000	0.00		0.000		NO	473.0		0.571	473.0
235	235 5th Function Octa-PCBs				1.0957	1.000	0.00		0.000		NO	182.5		0.248	182.5
236	236 Total Mono-PCBs				0.8871	1.000	0.00		0.000		NO	164.4		0.271	164.4
237	237 Deca-CB				0.8627	1.000	0.00		0.000		NO	52.75		0.0188	52.75

#	Name	ProdRT	RT	nt Resp	2d Resp	1* Ratio (Prod)	RA	nly	ExpC	Conc.
1	111 PCB-134R43	42.27	42.27	2.028e5	1.701e5	1.240	1.23	NO	110.25	110.25
2	112 PCB-128R33	42.57	42.57	2.301e5	1.368e5	1.240	1.24	NO	112.55	112.55
3	113 PCB-142	42.73	42.73	1.013e5	8.251e4	1.240	1.22	NO	55.885	55.885
4	114 PCB-148R65	42.87	42.87	2.743e5	2.222e5	1.240	1.23	NO	108.58	108.58
5	115 PCB-132R81	43.22	43.20	2.750e5	2.220e5	1.240	1.23	NO	108.33	108.33
6	116 PCB-153	43.41	43.38	1.388e5	1.148e5	1.240	1.22	NO	53.514	53.514
7	117 PCB-168	43.62	43.62	1.437e5	1.144e5	1.240	1.28	NO	51.817	51.817



Dataset: Untitled

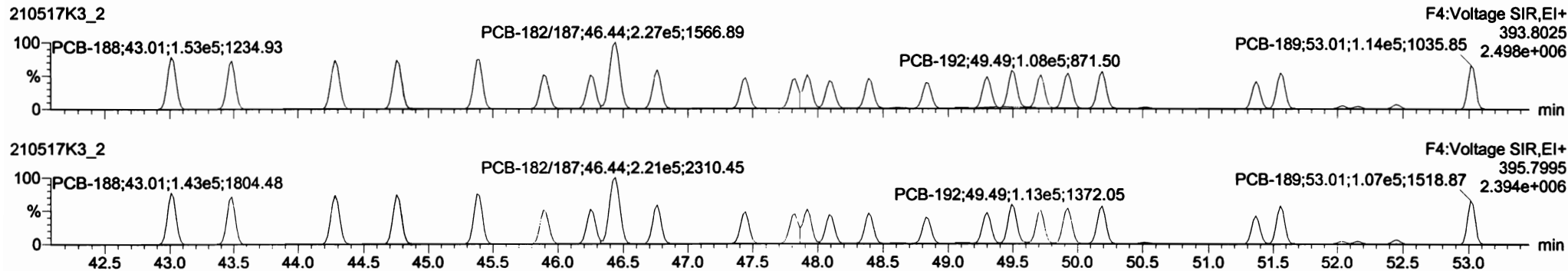
Last Altered: Tuesday, May 18, 2021 09:40:48 Pacific Daylight Time

Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

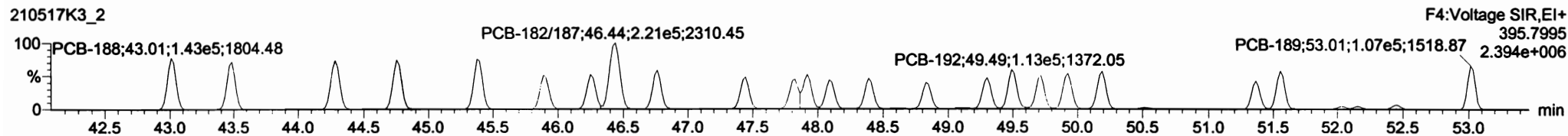
Name: 210517K3\_2, Date: 18-May-2021, Time: 04:03:30, ID: ST210517K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

**PCB-188**

210517K3\_2

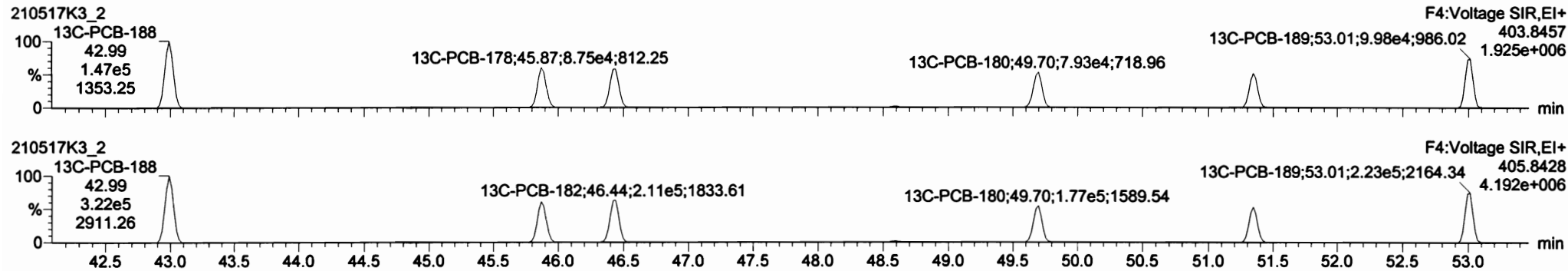


210517K3\_2

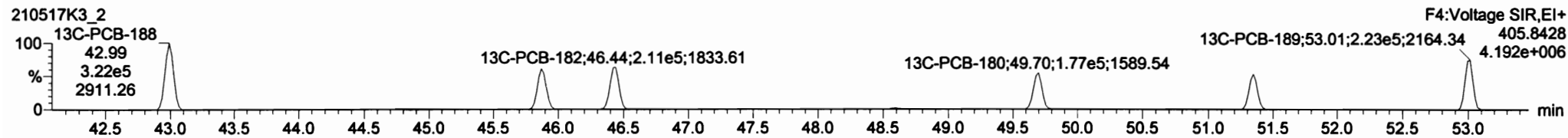


**13C-PCB-188**

210517K3\_2

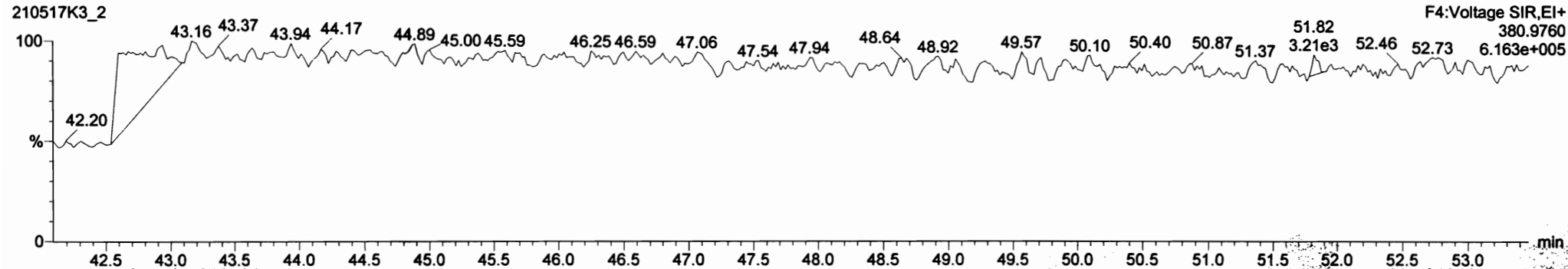


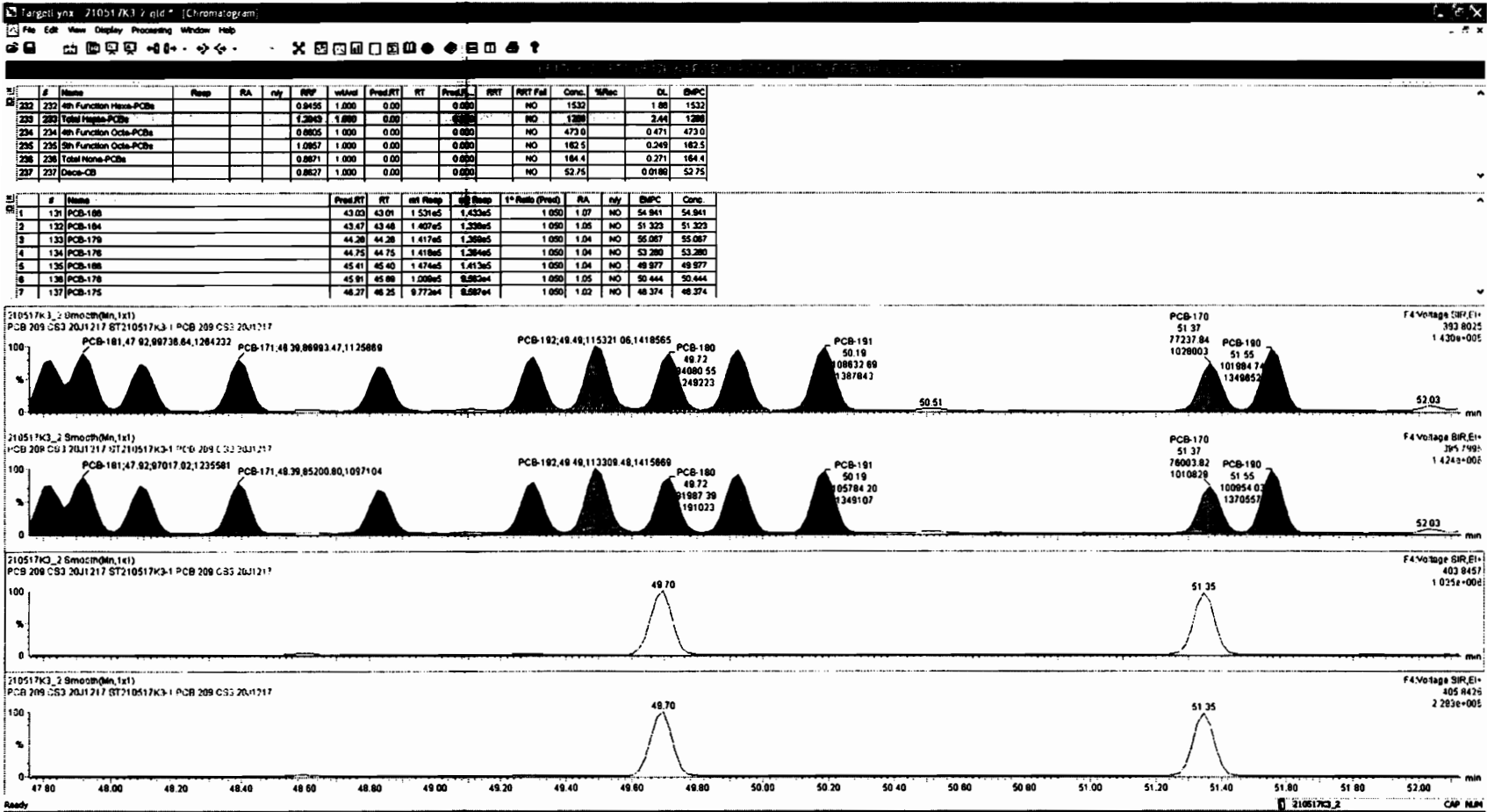
210517K3\_2



**PFK4c**

210517K3\_2





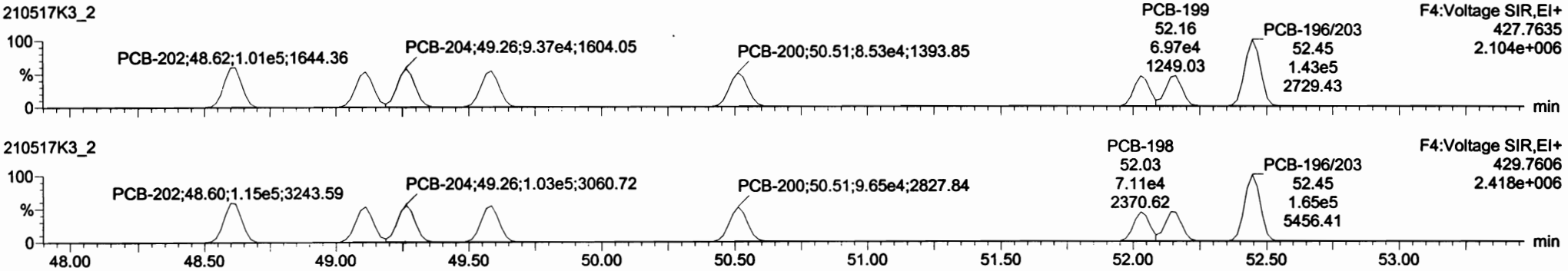
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Last Altered: Tuesday, May 18, 2021 09:40:48 Pacific Daylight Time  
Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

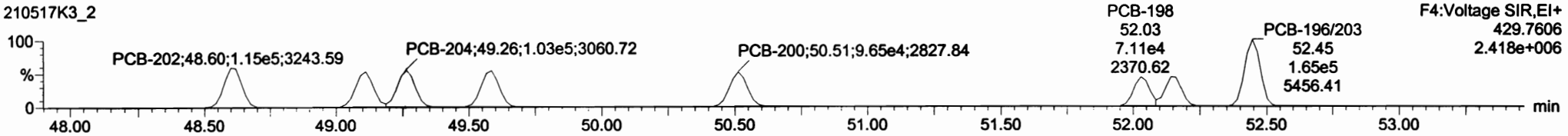
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**PCB-202**

210517K3\_2

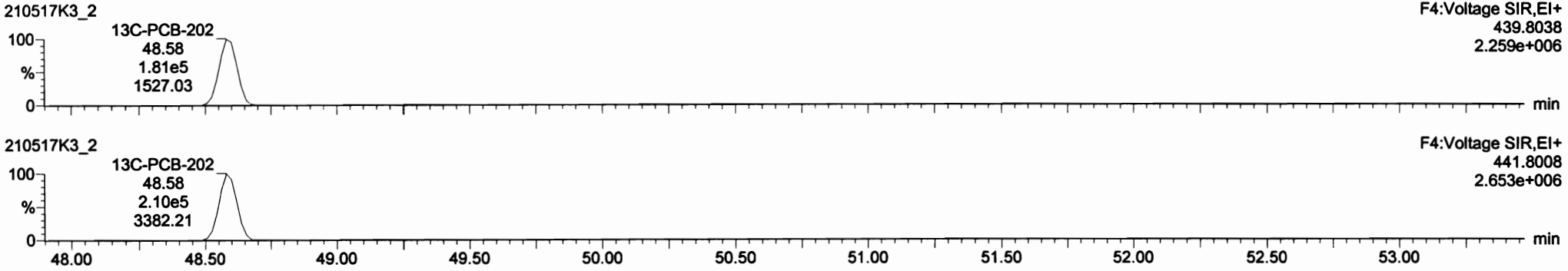


210517K3\_2

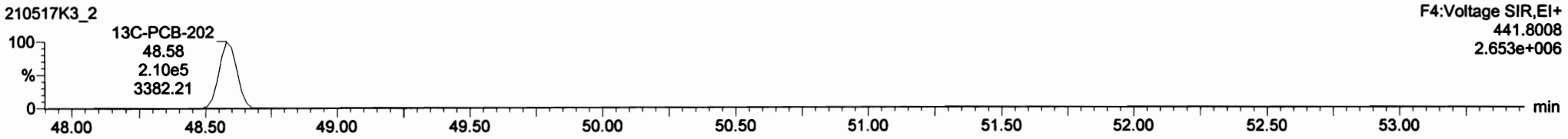


**13C-PCB-202**

210517K3\_2

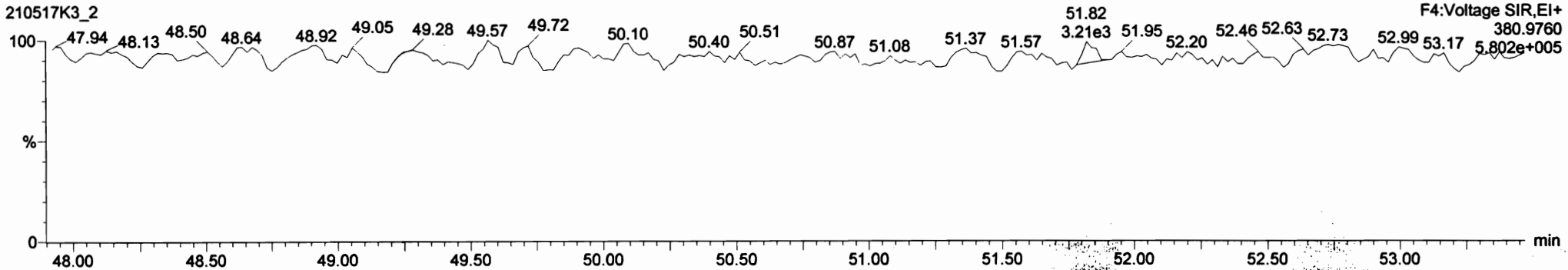


210517K3\_2



**PFK4d**

210517K3\_2

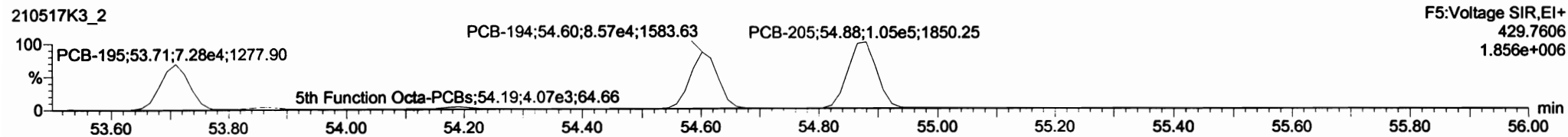
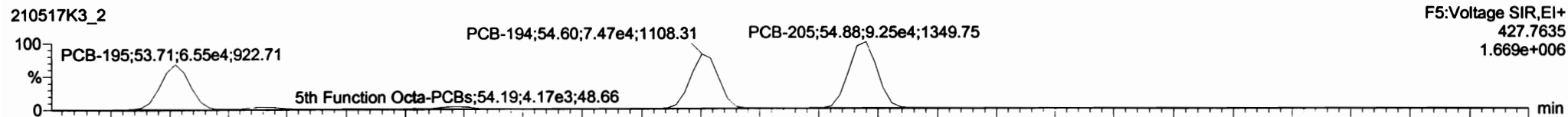


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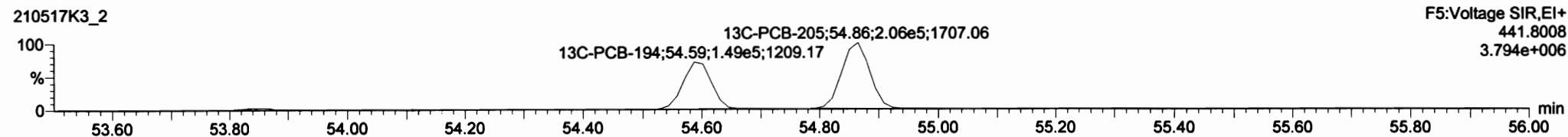
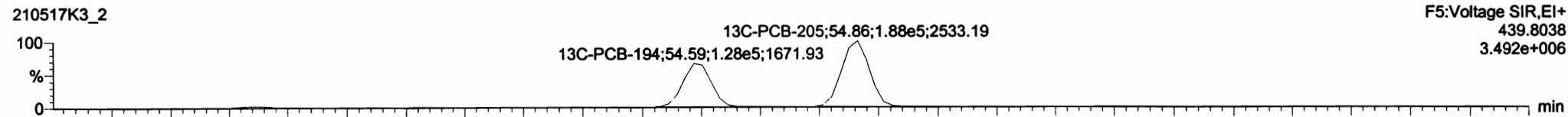
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Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

Name: 210517K3\_2, Date: 18-May-2021, Time: 04:03:30, ID: ST210517K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

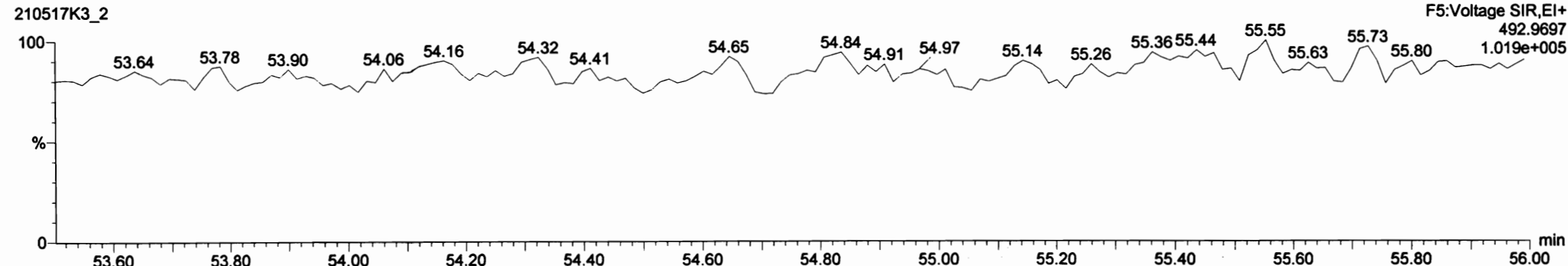
**PCB-195**



**13C-PCB-194**



**PFK5a**

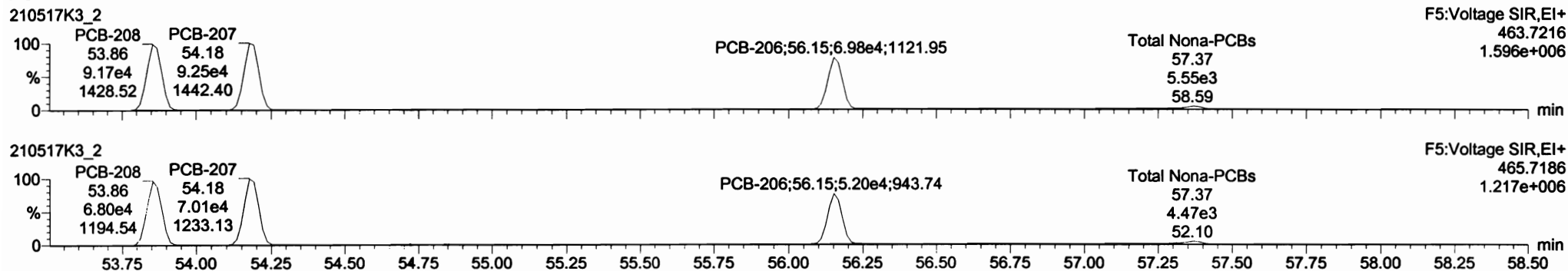


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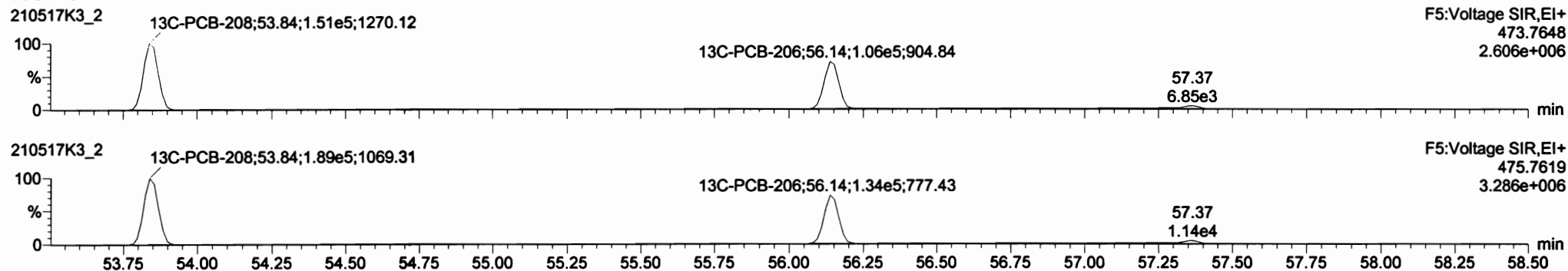
Last Altered: Tuesday, May 18, 2021 09:40:48 Pacific Daylight Time  
Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

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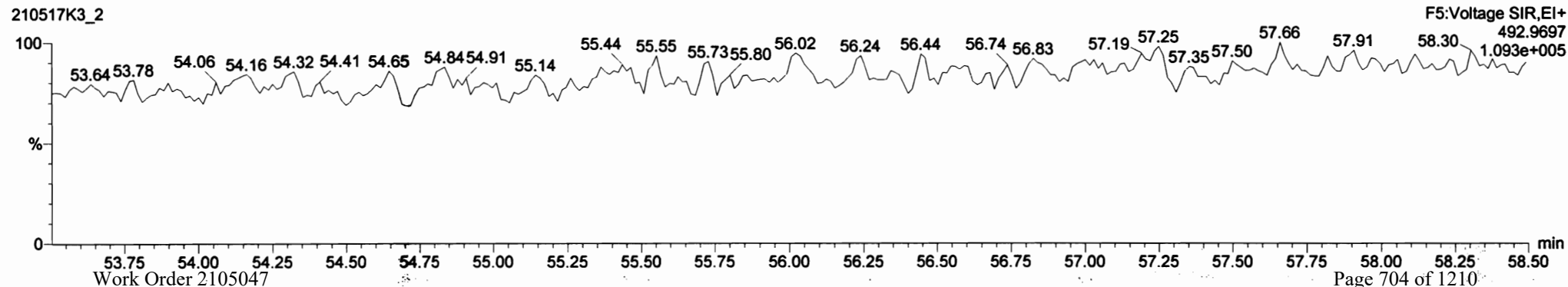
**PCB-208**



**13C-PCB-208**



**PFK5**



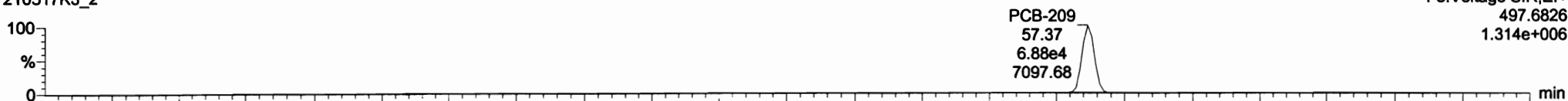
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Printed: Tuesday, May 18, 2021 09:41:17 Pacific Daylight Time

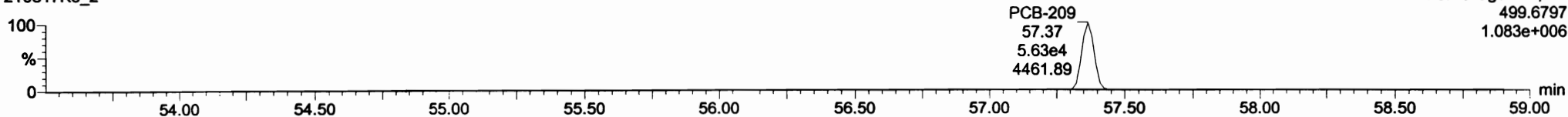
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**PCB-209**

210517K3\_2

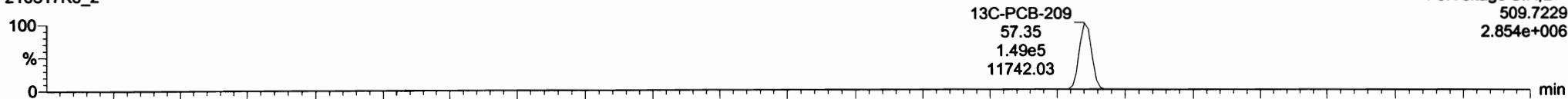


210517K3\_2

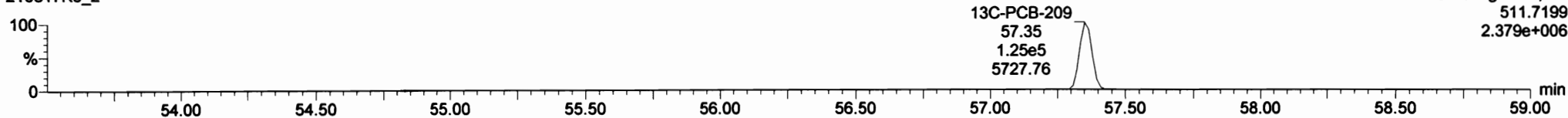


**13C-PCB-209**

210517K3\_2

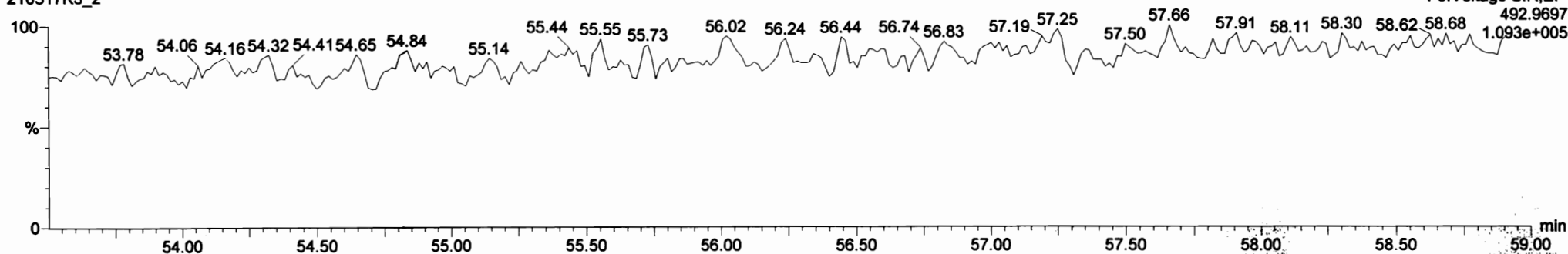


210517K3\_2



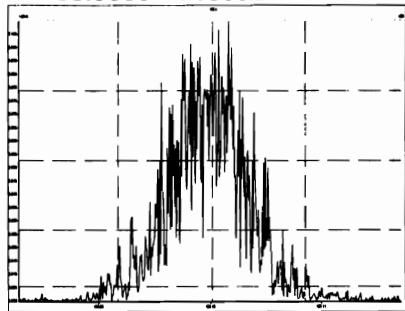
**PFK5b**

210517K3\_2

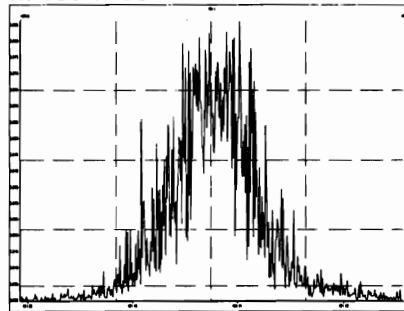


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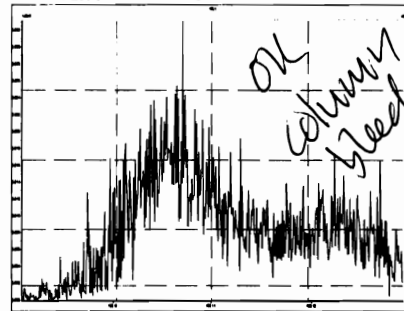
M 168.9888 R 13532



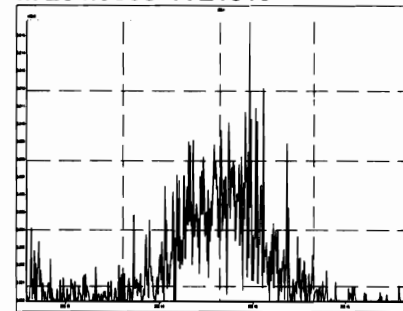
M 180.9888 R 11546



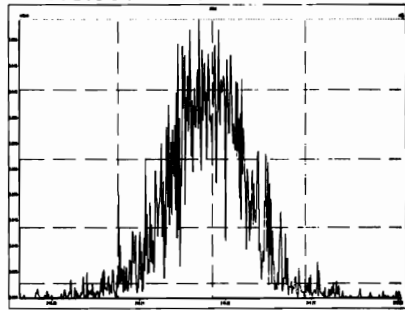
M 192.9888 R 0



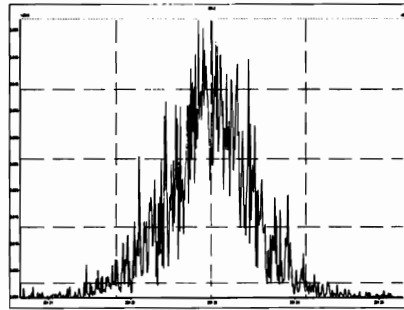
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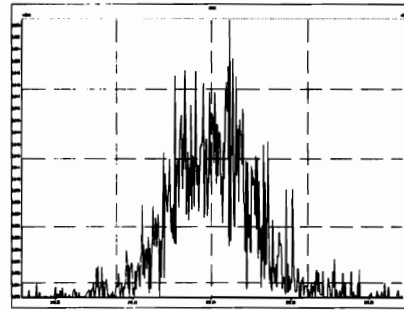
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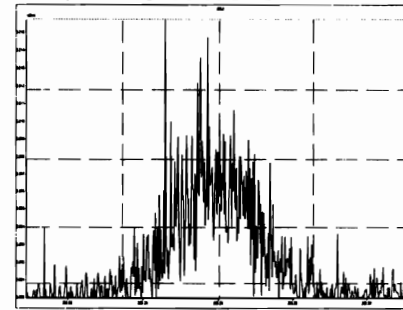
M 230.9856 R 12661



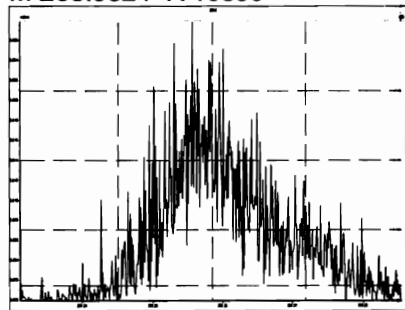
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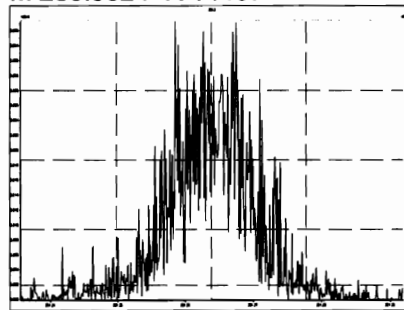
M 254.9856 R 17372



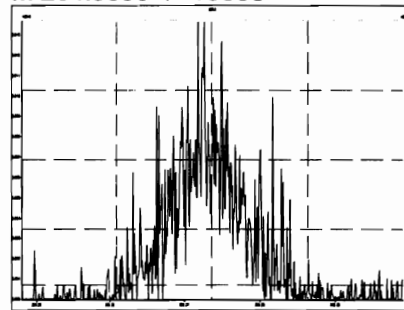
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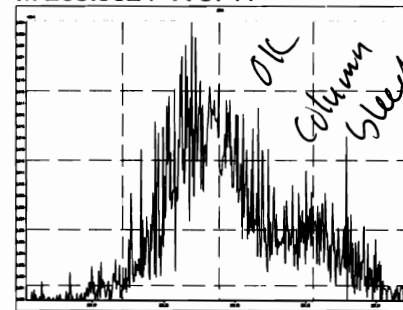
M 280.9824 R 14467



M 254.9856 R 16603



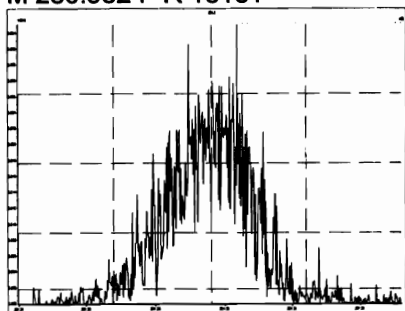
M 268.9824 R 8741



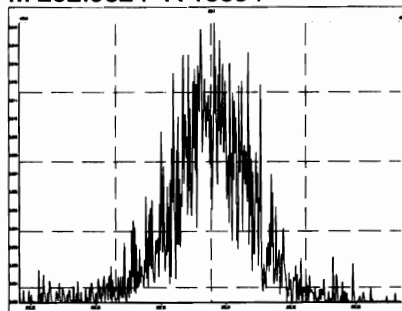


Printed: Tuesday, May 18, 2021 15:21:29 Pacific Daylight Time

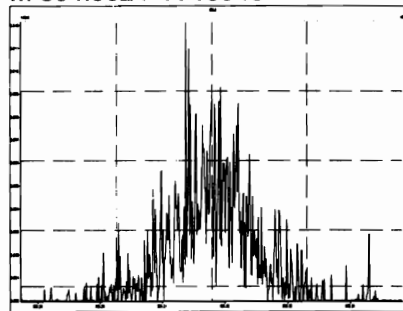
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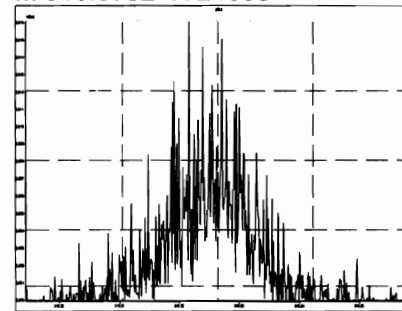
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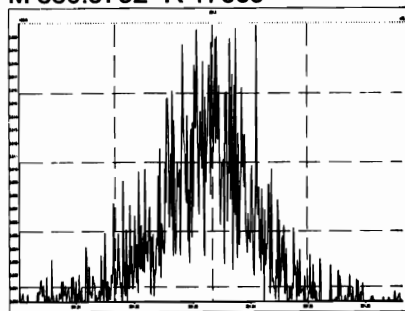
M 304.9824 R 18948



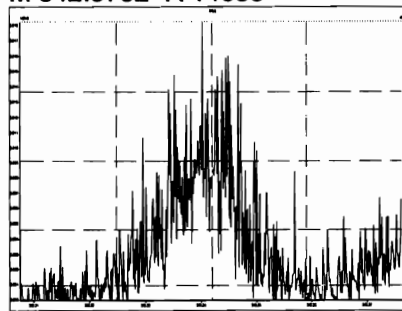
M 318.9792 R 24563



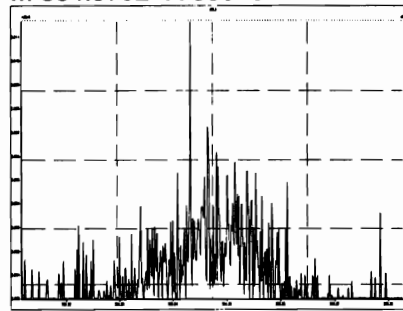
M 330.9792 R 17669



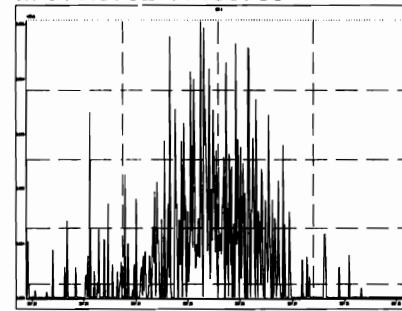
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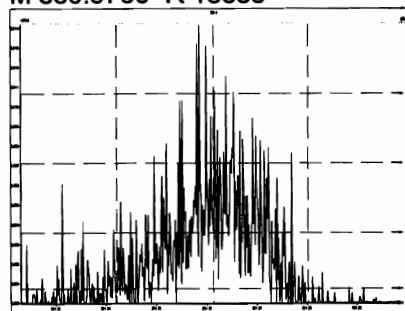
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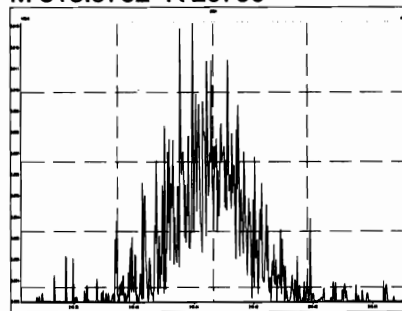
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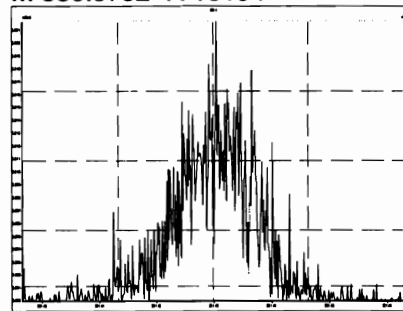
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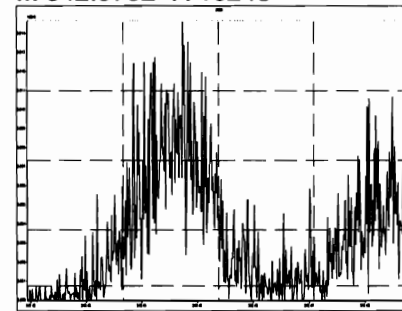
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M 330.9792 R 16194

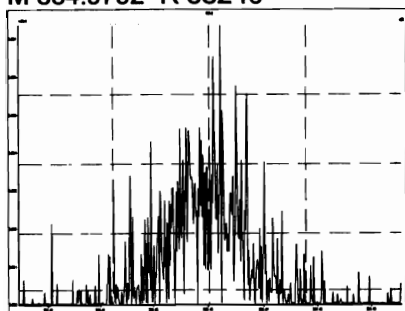


M 342.9792 R 15243

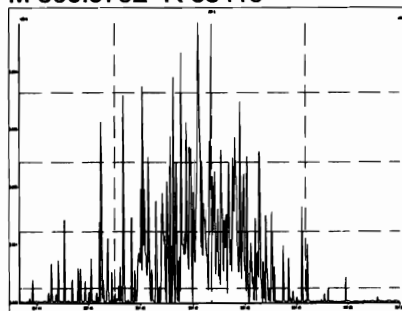


Printed: Tuesday, May 18, 2021 15:21:29 Pacific Daylight Time

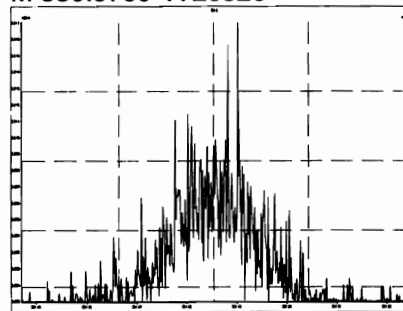
M 354.9792 R 53240



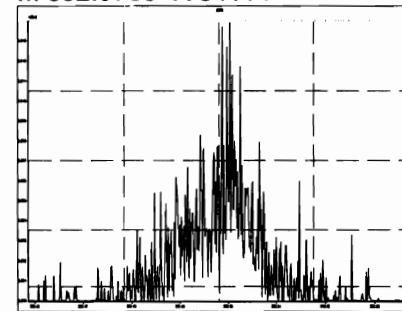
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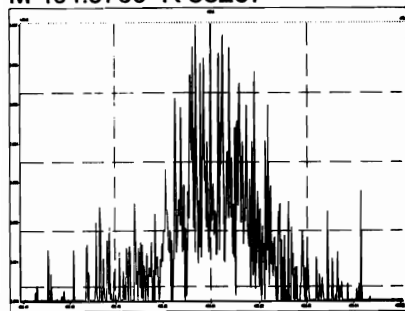
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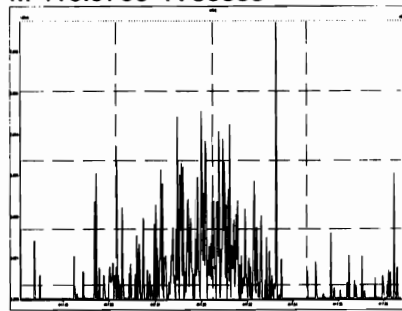
M 392.9760 R 34114



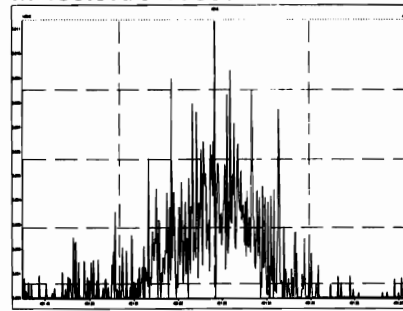
M 404.9760 R 35207



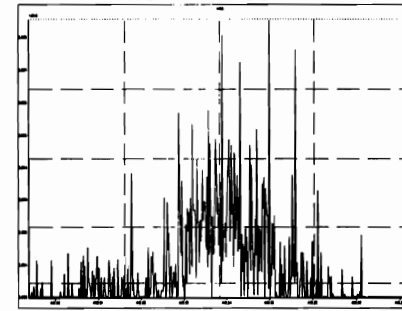
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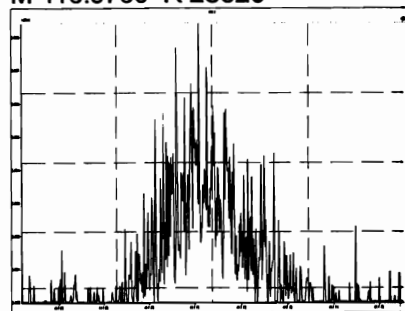
M 430.9728 R 30950



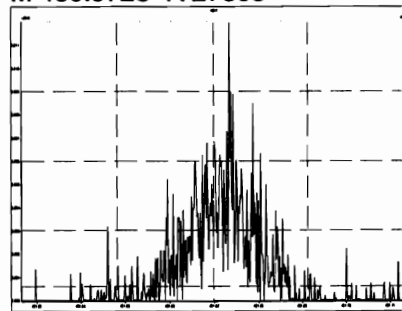
M 442.9728 R 76693



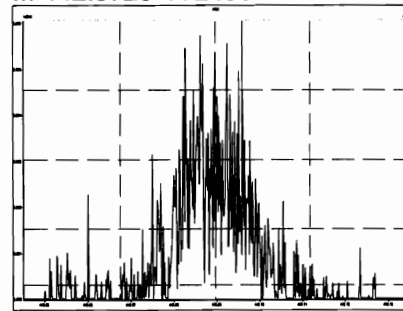
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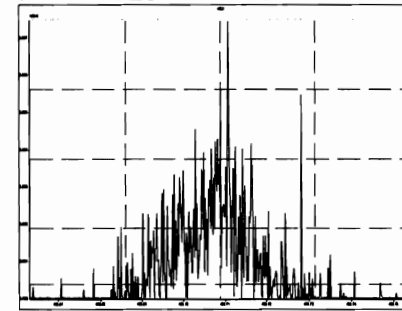
M 430.9728 R 27808



M 442.9728 R 24951

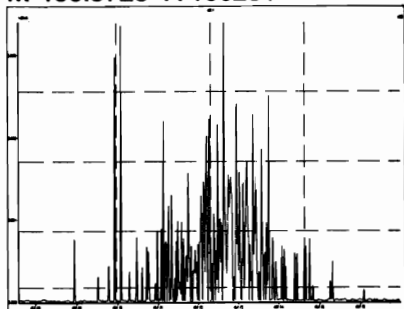


M 454.9728 R 35041

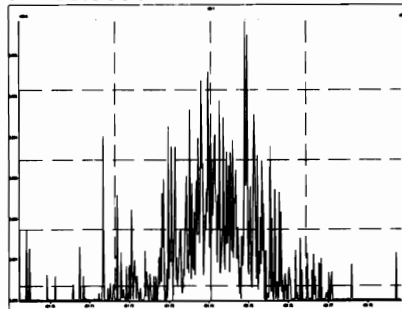


Printed: Tuesday, May 18, 2021 15:21:29 Pacific Daylight Time

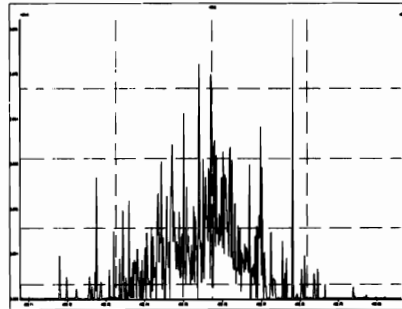
M 466.9728 R 156251



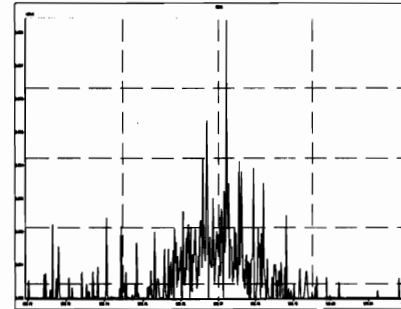
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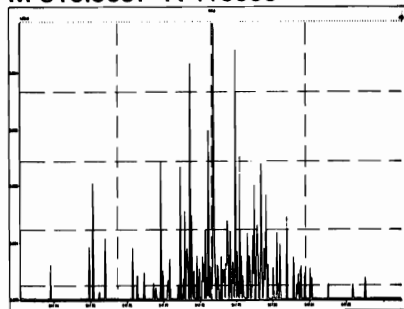
M 492.9696 R 44423



M 504.9696 R 112499



M 516.9697 R 416666



## **INITIAL CALIBRATION**

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Last Altered: Thursday, April 15, 2021 09:26:26 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 10:31:17 Pacific Daylight Time

HN 04/15/21  
DF 04/15/21

Method: U:\VG12.PRO\MethDB\1613rrt-04-06-21.mdb 06 Apr 2021 08:35:23  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Compound name: 2,3,7,8-TCDD  
Response Factor: 0.92906  
RRF SD: 0.0829232, Relative SD: 8.9255  
Response type: Internal Std ( Ref 18 ), Area \* ( IS Conc. / IS Area )  
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	0.250	0.69	NO	26.94	1.001	2.81e3	1.31e6	0.231	-7.8	0.857	MM
2	210414R1_2	0.500	0.82	NO	26.96	1.001	6.87e3	1.46e6	0.507	1.4	0.942	MM
3	210414R1_3	2.00	0.76	NO	26.94	1.001	2.40e4	1.48e6	1.75	-12.6	0.812	bb
4	210414R1_4	40.0	0.77	NO	26.93	1.001	6.51e5	1.59e6	43.9	9.8	1.02	bb
5	210414R1_5	300	0.77	NO	26.94	1.001	4.47e6	1.47e6	327	8.9	1.01	bb
6	210414R1_6	10.0	0.78	NO	26.94	1.000	1.54e5	1.66e6	10.0	0.2	0.931	bb

Compound name: 1,2,3,7,8-PeCDD  
Response Factor: 0.825708  
RRF SD: 0.0482142, Relative SD: 5.83913  
Response type: Internal Std ( Ref 19 ), Area \* ( IS Conc. / IS Area )  
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	1.25	0.68	NO	31.27	1.001	1.03e4	1.03e6	1.22	-2.7	0.804	bb
2	210414R1_2	2.50	0.60	NO	31.27	1.000	2.37e4	1.16e6	2.48	-0.9	0.818	bb
3	210414R1_3	10.0	0.63	NO	31.27	1.000	8.36e4	1.11e6	9.09	-9.1	0.750	bb
4	210414R1_4	200	0.62	NO	31.26	1.000	2.19e6	1.24e6	215	7.4	0.887	bb
5	210414R1_5	1500	0.62	NO	31.27	1.000	1.58e7	1.22e6	1570	5.0	0.867	bb
6	210414R1_6	50.0	0.61	NO	31.27	1.000	5.16e5	1.25e6	50.1	0.3	0.828	bb

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**Compound name: 1,2,3,4,7,8-HxCDD**

Response Factor: 0.972464

RRF SD: 0.0862714, Relative SD: 8.87143

Response type: Internal Std ( Ref 20 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	1.25	1.23	NO	34.61	1.001	7.39e3	6.55e5	1.16	-7.2	0.903	bd
2	210414R1_2	2.50	1.23	NO	34.62	1.000	1.65e4	7.11e5	2.38	-4.7	0.927	bd
3	210414R1_3	10.0	1.24	NO	34.62	1.001	6.42e4	7.40e5	8.92	-10.8	0.867	bd
4	210414R1_4	200	1.23	NO	34.61	1.001	1.78e6	8.23e5	223	11.4	1.08	bd
5	210414R1_5	1500	1.23	NO	34.62	1.001	1.34e7	8.49e5	1620	7.9	1.05	bd
6	210414R1_6	50.0	1.24	NO	34.62	1.000	4.13e5	8.23e5	51.7	3.3	1.00	bd

**Compound name: 1,2,3,6,7,8-HxCDD**

Response Factor: 0.877085

RRF SD: 0.0559574, Relative SD: 6.37993

Response type: Internal Std ( Ref 21 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	1.25	1.13	NO	34.73	1.000	8.05e3	7.49e5	1.23	-2.0	0.860	MM
2	210414R1_2	2.50	1.24	NO	34.76	1.001	1.71e4	8.03e5	2.42	-3.0	0.850	db
3	210414R1_3	10.0	1.23	NO	34.74	1.000	6.53e4	8.25e5	9.02	-9.8	0.791	db
4	210414R1_4	200	1.23	NO	34.73	1.000	1.79e6	9.47e5	216	8.0	0.947	db
5	210414R1_5	1500	1.23	NO	34.74	1.000	1.34e7	9.70e5	1580	5.2	0.923	db
6	210414R1_6	50.0	1.24	NO	34.76	1.001	4.13e5	9.27e5	50.8	1.7	0.892	db

**Compound name: 1,2,3,7,8,9-HxCDD**

Response Factor: 0.873924

RRF SD: 0.0774391, Relative SD: 8.86108

Response type: Internal Std ( Ref 22 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	1.25	1.22	NO	35.03	1.000	7.66e3	7.49e5	1.17	-6.5	0.818	MM
2	210414R1_2	2.50	1.29	NO	35.04	1.000	1.84e4	8.90e5	2.37	-5.3	0.828	bb

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**Compound name: 1,2,3,7,8,9-HxCDD**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210414R1_3	10.0	1.28	NO	35.04	1.000	6.56e4	8.45e5	8.89	-11.1	0.777	bb
4	210414R1_4	200	1.23	NO	35.03	1.001	1.84e6	9.50e5	222	11.1	0.971	bb
5	210414R1_5	1500	1.21	NO	35.04	1.001	1.39e7	9.79e5	1620	8.0	0.943	bb
6	210414R1_6	50.0	1.24	NO	35.05	1.001	4.26e5	9.39e5	51.9	3.8	0.907	bb

**Compound name: 1,2,3,4,6,7,8-HpCDD**

Response Factor: 0.898742

RRF SD: 0.0677039, Relative SD: 7.53319

Response type: Internal Std ( Ref 23 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	1.25	1.02	NO	38.31	1.001	6.55e3	6.08e5	1.20	-4.2	0.861	MM
2	210414R1_2	2.50	1.02	NO	38.32	1.001	1.72e4	7.70e5	2.48	-0.8	0.891	bb
3	210414R1_3	10.0	1.00	NO	38.31	1.000	4.86e4	6.13e5	8.82	-11.8	0.793	bb
4	210414R1_4	200	1.02	NO	38.29	1.000	1.34e6	6.81e5	218	9.2	0.981	bb
5	210414R1_5	1500	1.02	NO	38.31	1.000	1.03e7	7.20e5	1600	6.5	0.957	bb
6	210414R1_6	50.0	1.02	NO	38.31	1.000	3.16e5	6.96e5	50.6	1.1	0.909	bb

**Compound name: OCDD**

Response Factor: 0.852404

RRF SD: 0.0637924, Relative SD: 7.48382

Response type: Internal Std ( Ref 24 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	2.50	0.86	NO	41.31	1.000	1.11e4	1.09e6	2.38	-4.9	0.811	bb
2	210414R1_2	5.00	0.88	NO	41.33	1.000	2.60e4	1.27e6	4.79	-4.2	0.816	bb
3	210414R1_3	20.0	0.88	NO	41.33	1.000	7.75e4	1.01e6	18.0	-10.0	0.767	MM
4	210414R1_4	400	0.88	NO	41.31	1.000	2.13e6	1.15e6	436	9.1	0.930	bb
5	210414R1_5	3000	0.88	NO	41.32	1.000	1.66e7	1.21e6	3200	6.7	0.909	bb
6	210414R1_6	100	0.88	NO	41.33	1.000	5.13e5	1.16e6	103	3.4	0.881	bb

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**Compound name: 2,3,7,8-TCDF**

Response Factor: 0.746581  
 RRF SD: 0.0693432, Relative SD: 9.2881  
 Response type: Internal Std ( Ref 25 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	0.250	0.79	NO	26.35	1.001	3.87e3	2.17e6	0.239	-4.3	0.715	MM
2	210414R1_2	0.500	0.71	NO	26.35	1.001	7.34e3	2.13e6	0.461	-7.9	0.688	MM
3	210414R1_3	2.00	0.79	NO	26.35	1.001	2.64e4	2.00e6	1.77	-11.5	0.661	bb
4	210414R1_4	40.0	0.75	NO	26.34	1.001	7.03e5	2.14e6	44.0	10.0	0.821	bb
5	210414R1_5	300	0.76	NO	26.34	1.001	4.78e6	1.93e6	331	10.4	0.824	bb
6	210414R1_6	10.0	0.74	NO	26.34	1.001	1.75e5	2.27e6	10.3	3.2	0.771	db

**Compound name: 1,2,3,7,8-PeCDF**

Response Factor: 0.877118  
 RRF SD: 0.0717768, Relative SD: 8.18326  
 Response type: Internal Std ( Ref 26 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	1.25	1.52	NO	30.10	1.000	1.34e4	1.36e6	1.13	-9.9	0.790	bb
2	210414R1_2	2.50	1.55	NO	30.11	1.000	3.37e4	1.58e6	2.44	-2.6	0.855	MM
3	210414R1_3	10.0	1.62	NO	30.11	1.000	1.20e5	1.49e6	9.20	-8.0	0.807	bb
4	210414R1_4	200	1.54	NO	30.10	1.000	3.16e6	1.64e6	220	10.2	0.967	bb
5	210414R1_5	1500	1.56	NO	30.10	1.000	2.26e7	1.60e6	1610	7.2	0.940	bb
6	210414R1_6	50.0	1.56	NO	30.11	1.000	7.73e5	1.71e6	51.5	3.0	0.904	bb

**Compound name: 2,3,4,7,8-PeCDF**

Response Factor: 0.962056  
 RRF SD: 0.0674767, Relative SD: 7.0138  
 Response type: Internal Std ( Ref 27 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	1.25	1.48	NO	31.09	1.000	1.69e4	1.46e6	1.20	-3.8	0.926	MM
2	210414R1_2	2.50	1.58	NO	31.11	1.000	3.69e4	1.61e6	2.38	-4.7	0.917	bd



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**Compound name: 2,3,4,7,8-PeCDF**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210414R1_3	10.0	1.52	NO	31.11	1.000	1.29e5	1.48e6	9.10	-9.0	0.876	bb
4	210414R1_4	200	1.55	NO	31.09	1.000	3.30e6	1.58e6	218	8.8	1.05	bb
5	210414R1_5	1500	1.54	NO	31.09	1.000	2.35e7	1.52e6	1600	6.9	1.03	bb
6	210414R1_6	50.0	1.54	NO	31.11	1.000	8.04e5	1.64e6	50.8	1.7	0.978	bb

**Compound name: 1,2,3,4,7,8-HxCDF**

Response Factor: 0.92023

RRF SD: 0.0757729, Relative SD: 8.23412

Response type: Internal Std ( Ref 28 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	1.25	1.17	NO	33.67	1.000	1.13e4	1.06e6	1.16	-7.6	0.850	bd
2	210414R1_2	2.50	1.18	NO	33.69	1.001	2.33e4	1.06e6	2.38	-4.7	0.877	bd
3	210414R1_3	10.0	1.23	NO	33.69	1.001	7.99e4	9.58e5	9.06	-9.4	0.834	bd
4	210414R1_4	200	1.22	NO	33.67	1.000	2.12e6	1.05e6	219	9.6	1.01	bd
5	210414R1_5	1500	1.22	NO	33.68	1.000	1.52e7	1.02e6	1620	7.8	0.992	bd
6	210414R1_6	50.0	1.22	NO	33.69	1.000	5.12e5	1.07e6	52.2	4.3	0.960	bd

**Compound name: 1,2,3,6,7,8-HxCDF**

Response Factor: 0.936295

RRF SD: 0.0726577, Relative SD: 7.76013

Response type: Internal Std ( Ref 29 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	1.25	1.25	NO	33.81	1.001	1.19e4	1.11e6	1.15	-8.2	0.859	db
2	210414R1_2	2.50	1.21	NO	33.82	1.000	2.49e4	1.10e6	2.41	-3.5	0.904	db
3	210414R1_3	10.0	1.22	NO	33.82	1.000	8.72e4	1.01e6	9.21	-7.9	0.862	db
4	210414R1_4	200	1.22	NO	33.81	1.000	2.31e6	1.12e6	220	10.2	1.03	db
5	210414R1_5	1500	1.21	NO	33.82	1.000	1.70e7	1.13e6	1610	7.1	1.00	db
6	210414R1_6	50.0	1.21	NO	33.83	1.001	5.45e5	1.14e6	51.2	2.3	0.958	db

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**Compound name: 2,3,4,6,7,8-HxCDF**

Response Factor: 0.972549  
 RRF SD: 0.0818215, Relative SD: 8.4131  
 Response type: Internal Std ( Ref 30 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	1.25	1.22	NO	34.50	1.001	9.59e3	8.62e5	1.14	-8.5	0.890	MM
2	210414R1_2	2.50	1.25	NO	34.52	1.001	2.14e4	9.20e5	2.39	-4.5	0.928	bb
3	210414R1_3	10.0	1.23	NO	34.51	1.000	7.85e4	8.85e5	9.11	-8.9	0.886	bb
4	210414R1_4	200	1.21	NO	34.50	1.000	2.09e6	9.78e5	219	9.7	1.07	bb
5	210414R1_5	1500	1.21	NO	34.51	1.000	1.54e7	9.70e5	1630	8.6	1.06	bb
6	210414R1_6	50.0	1.22	NO	34.52	1.001	4.98e5	9.88e5	51.8	3.7	1.01	bb

**Compound name: 1,2,3,7,8,9-HxCDF**

Response Factor: 0.939556  
 RRF SD: 0.0783771, Relative SD: 8.34193  
 Response type: Internal Std ( Ref 31 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	1.25	1.15	NO	35.59	1.000	9.36e3	8.35e5	1.19	-4.6	0.896	MM
2	210414R1_2	2.50	1.16	NO	35.61	1.001	1.85e4	8.23e5	2.39	-4.3	0.899	bb
3	210414R1_3	10.0	1.23	NO	35.60	1.000	6.47e4	7.82e5	8.81	-11.9	0.828	bb
4	210414R1_4	200	1.22	NO	35.59	1.000	1.79e6	8.67e5	220	9.9	1.03	bb
5	210414R1_5	1500	1.23	NO	35.60	1.000	1.35e7	8.86e5	1620	7.7	1.01	bb
6	210414R1_6	50.0	1.24	NO	35.61	1.001	4.40e5	9.08e5	51.6	3.2	0.969	bb

**Compound name: 1,2,3,4,6,7,8-HpCDF**

Response Factor: 1.04807  
 RRF SD: 0.0873368, Relative SD: 8.33314  
 Response type: Internal Std ( Ref 32 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	1.25	1.02	NO	37.17	1.000	7.31e3	6.01e5	1.16	-7.1	0.973	MM
2	210414R1_2	2.50	1.03	NO	37.18	1.000	1.79e4	7.19e5	2.37	-5.1	0.995	MM

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**Compound name: 1,2,3,4,6,7,8-HpCDF**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210414R1_3	10.0	1.04	NO	37.18	1.001	6.00e4	6.30e5	9.09	-9.1	0.953	bb
4	210414R1_4	200	1.01	NO	37.17	1.001	1.61e6	6.93e5	222	10.9	1.16	bb
5	210414R1_5	1500	1.02	NO	37.18	1.001	1.21e7	7.15e5	1620	8.0	1.13	bb
6	210414R1_6	50.0	1.01	NO	37.18	1.000	3.83e5	7.13e5	51.2	2.4	1.07	bb

**Compound name: 1,2,3,4,7,8,9-HpCDF**

Response Factor: 1.04534

RRF SD: 0.0878605, Relative SD: 8.40498

Response type: Internal Std ( Ref 33 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	1.25	0.92	NO	38.95	1.000	6.49e3	5.32e5	1.17	-6.6	0.976	bb
2	210414R1_2	2.50	1.01	NO	38.98	1.000	1.62e4	6.67e5	2.32	-7.0	0.972	bb
3	210414R1_3	10.0	0.98	NO	38.98	1.001	4.93e4	5.16e5	9.15	-8.5	0.956	bb
4	210414R1_4	200	1.01	NO	38.97	1.000	1.34e6	5.80e5	222	10.8	1.16	bb
5	210414R1_5	1500	1.01	NO	38.98	1.001	1.01e7	6.02e5	1610	7.4	1.12	bb
6	210414R1_6	50.0	1.01	NO	38.98	1.000	3.18e5	5.85e5	52.0	3.9	1.09	bb

**Compound name: OCDF**

Response Factor: 0.771237

RRF SD: 0.061207, Relative SD: 7.93621

Response type: Internal Std ( Ref 34 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	2.50	0.89	NO	41.65	1.000	1.23e4	1.36e6	2.34	-6.2	0.723	MM
2	210414R1_2	5.00	0.88	NO	41.67	1.000	2.75e4	1.47e6	4.85	-3.0	0.748	bb
3	210414R1_3	20.0	0.88	NO	41.67	1.000	8.08e4	1.17e6	17.9	-10.7	0.689	bb
4	210414R1_4	400	0.89	NO	41.65	1.000	2.29e6	1.36e6	438	9.6	0.845	bb
5	210414R1_5	3000	0.89	NO	41.66	1.000	1.76e7	1.42e6	3210	7.0	0.826	bb
6	210414R1_6	100	0.89	NO	41.67	1.000	5.44e5	1.37e6	103	3.3	0.796	bb

Dataset: U:\VG12.PRO\Results\210414R1\210414R1\_CRV.qld

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**Compound name: 13C-2,3,7,8-TCDD**

Response Factor: 1.10397

RRF SD: 0.0930337, Relative SD: 8.42721

Response type: Internal Std ( Ref 36 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	100	0.78	NO	26.91	1.026	1.31e6	1.37e6	86.6	-13.4	0.956	bb
2	210414R1_2	100	0.77	NO	26.93	1.026	1.46e6	1.38e6	95.7	-4.3	1.06	bb
3	210414R1_3	100	0.78	NO	26.93	1.026	1.48e6	1.33e6	101	1.1	1.12	bb
4	210414R1_4	100	0.77	NO	26.91	1.026	1.59e6	1.40e6	103	3.2	1.14	bb
5	210414R1_5	100	0.77	NO	26.91	1.026	1.47e6	1.19e6	112	12.0	1.24	bb
6	210414R1_6	100	0.77	NO	26.93	1.026	1.66e6	1.48e6	101	1.4	1.12	bb

**Compound name: 13C-1,2,3,7,8-PeCDD**

Response Factor: 0.863511

RRF SD: 0.0902578, Relative SD: 10.4524

Response type: Internal Std ( Ref 36 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	100	0.64	NO	31.24	1.191	1.03e6	1.37e6	86.8	-13.2	0.749	bb
2	210414R1_2	100	0.63	NO	31.26	1.191	1.16e6	1.38e6	97.3	-2.7	0.840	bb
3	210414R1_3	100	0.62	NO	31.26	1.191	1.11e6	1.33e6	97.3	-2.7	0.840	bb
4	210414R1_4	100	0.63	NO	31.24	1.192	1.24e6	1.40e6	102	2.4	0.884	bb
5	210414R1_5	100	0.63	NO	31.26	1.192	1.22e6	1.19e6	119	18.6	1.02	bb
6	210414R1_6	100	0.62	NO	31.26	1.191	1.25e6	1.48e6	97.6	-2.4	0.843	bb

**Compound name: 13C-1,2,3,4,7,8-HxCDD**

Response Factor: 0.746138

RRF SD: 0.0651061, Relative SD: 8.72575

Response type: Internal Std ( Ref 38 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	100	1.28	NO	34.59	1.013	6.55e5	9.77e5	89.8	-10.2	0.670	bd
2	210414R1_2	100	1.28	NO	34.61	1.014	7.11e5	1.01e6	94.8	-5.2	0.707	bd

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**Compound name: 13C-1,2,3,4,7,8-HxCDD**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210414R1_3	100	1.27	NO	34.60	1.013	7.40e5	1.01e6	98.4	-1.6	0.734	bd
4	210414R1_4	100	1.27	NO	34.59	1.013	8.23e5	1.08e6	102	1.7	0.759	bd
5	210414R1_5	100	1.27	NO	34.60	1.013	8.49e5	9.84e5	116	15.6	0.863	bd
6	210414R1_6	100	1.27	NO	34.61	1.014	8.23e5	1.11e6	99.7	-0.3	0.744	bd

**Compound name: 13C-1,2,3,6,7,8-HxCDD**

Response Factor: 0.846795  
 RRF SD: 0.0772663, Relative SD: 9.12455  
 Response type: Internal Std ( Ref 38 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	100	1.29	NO	34.72	1.018	7.49e5	9.77e5	90.5	-9.5	0.766	db
2	210414R1_2	100	1.26	NO	34.73	1.018	8.03e5	1.01e6	94.3	-5.7	0.799	db
3	210414R1_3	100	1.26	NO	34.73	1.018	8.25e5	1.01e6	96.6	-3.4	0.818	db
4	210414R1_4	100	1.25	NO	34.72	1.018	9.47e5	1.08e6	103	3.1	0.873	db
5	210414R1_5	100	1.26	NO	34.73	1.018	9.70e5	9.84e5	116	16.5	0.986	db
6	210414R1_6	100	1.25	NO	34.73	1.018	9.27e5	1.11e6	99.0	-1.0	0.839	db

**Compound name: 13C-1,2,3,7,8,9-HxCDD**

Response Factor: 0.868278  
 RRF SD: 0.0751126, Relative SD: 8.65075  
 Response type: Internal Std ( Ref 38 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	100	1.26	NO	35.02	1.026	7.49e5	9.77e5	88.3	-11.7	0.767	MM
2	210414R1_2	100	1.26	NO	35.03	1.026	8.90e5	1.01e6	102	2.0	0.886	bb
3	210414R1_3	100	1.27	NO	35.03	1.026	8.45e5	1.01e6	96.4	-3.6	0.837	bb
4	210414R1_4	100	1.25	NO	35.01	1.026	9.50e5	1.08e6	101	0.8	0.876	bb
5	210414R1_5	100	1.24	NO	35.02	1.026	9.79e5	9.84e5	115	14.6	0.995	bb
6	210414R1_6	100	1.25	NO	35.03	1.026	9.39e5	1.11e6	97.8	-2.2	0.849	bb



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**Compound name: 13C-1,2,3,4,6,7,8-HpCDD**

Response Factor: 0.664147

RRF SD: 0.0670773, Relative SD: 10.0998

Response type: Internal Std ( Ref 38 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	100	1.04	NO	38.28	1.122	6.08e5	9.77e5	93.7	-6.3	0.622	MM
2	210414R1_2	100	1.05	NO	38.29	1.122	7.70e5	1.01e6	115	15.4	0.766	bb
3	210414R1_3	100	1.06	NO	38.29	1.122	6.13e5	1.01e6	91.5	-8.5	0.608	bb
4	210414R1_4	100	1.05	NO	38.28	1.122	6.81e5	1.08e6	94.5	-5.5	0.628	bb
5	210414R1_5	100	1.04	NO	38.29	1.122	7.20e5	9.84e5	110	10.2	0.732	bb
6	210414R1_6	100	1.04	NO	38.29	1.122	6.96e5	1.11e6	94.7	-5.3	0.629	bb

**Compound name: 13C-OCDD**

Response Factor: 0.560713

RRF SD: 0.0533804, Relative SD: 9.52008

Response type: Internal Std ( Ref 38 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	200	0.92	NO	41.30	1.210	1.09e6	9.77e5	199	-0.5	0.558	MM
2	210414R1_2	200	0.89	NO	41.32	1.211	1.27e6	1.01e6	226	12.9	0.633	bb
3	210414R1_3	200	0.89	NO	41.31	1.210	1.01e6	1.01e6	179	-10.7	0.501	bb
4	210414R1_4	200	0.88	NO	41.30	1.210	1.15e6	1.08e6	189	-5.7	0.529	bb
5	210414R1_5	200	0.88	NO	41.31	1.210	1.21e6	9.84e5	220	10.1	0.617	bb
6	210414R1_6	200	0.89	NO	41.31	1.210	1.16e6	1.11e6	188	-6.1	0.527	bb

**Compound name: 13C-2,3,7,8-TCDF**

Response Factor: 1.09311

RRF SD: 0.0632342, Relative SD: 5.78481

Response type: Internal Std ( Ref 37 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	100	0.77	NO	26.32	1.003	2.17e6	1.78e6	111	11.3	1.22	bb
2	210414R1_2	100	0.77	NO	26.34	1.004	2.13e6	2.00e6	97.6	-2.4	1.07	bb

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**Compound name: 13C-2,3,7,8-TCDF**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210414R1_3	100	0.77	NO	26.32	1.003	2.00e6	1.90e6	96.1	-3.9	1.05	bb
4	210414R1_4	100	0.76	NO	26.31	1.003	2.14e6	2.03e6	96.5	-3.5	1.06	bb
5	210414R1_5	100	0.78	NO	26.32	1.004	1.93e6	1.76e6	101	0.7	1.10	bb
6	210414R1_6	100	0.77	NO	26.32	1.003	2.27e6	2.12e6	97.8	-2.2	1.07	bb

**Compound name: 13C-1,2,3,7,8-PeCDF**

Response Factor: 0.809493

RRF SD: 0.0523734, Relative SD: 6.4699

Response type: Internal Std ( Ref 37 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	100	1.57	NO	30.08	1.147	1.36e6	1.78e6	94.2	-5.8	0.763	bb
2	210414R1_2	100	1.59	NO	30.10	1.147	1.58e6	2.00e6	97.4	-2.6	0.788	bb
3	210414R1_3	100	1.55	NO	30.10	1.147	1.49e6	1.90e6	96.6	-3.4	0.782	bb
4	210414R1_4	100	1.55	NO	30.08	1.147	1.64e6	2.03e6	99.7	-0.3	0.807	bb
5	210414R1_5	100	1.58	NO	30.10	1.148	1.60e6	1.76e6	113	12.5	0.911	bb
6	210414R1_6	100	1.56	NO	30.10	1.147	1.71e6	2.12e6	99.6	-0.4	0.806	bb

**Compound name: 13C-2,3,4,7,8-PeCDF**

Response Factor: 0.803072

RRF SD: 0.0359789, Relative SD: 4.48016

Response type: Internal Std ( Ref 37 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	100	1.59	NO	31.08	1.185	1.46e6	1.78e6	102	2.0	0.819	bb
2	210414R1_2	100	1.59	NO	31.09	1.185	1.61e6	2.00e6	100	0.2	0.804	bb
3	210414R1_3	100	1.55	NO	31.09	1.185	1.48e6	1.90e6	96.6	-3.4	0.776	bb
4	210414R1_4	100	1.58	NO	31.08	1.185	1.58e6	2.03e6	96.9	-3.1	0.778	bb
5	210414R1_5	100	1.57	NO	31.08	1.185	1.52e6	1.76e6	108	7.9	0.867	bb
6	210414R1_6	100	1.55	NO	31.09	1.185	1.64e6	2.12e6	96.5	-3.5	0.775	bb

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**Compound name: 13C-1,2,3,4,7,8-HxCDF**

Response Factor: 1.01114

RRF SD: 0.0571822, Relative SD: 5.65524

Response type: Internal Std ( Ref 38 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	100	0.51	NO	33.65	0.986	1.06e6	9.77e5	108	7.5	1.09	bd
2	210414R1_2	100	0.52	NO	33.67	0.986	1.06e6	1.01e6	105	4.7	1.06	bd
3	210414R1_3	100	0.51	NO	33.67	0.986	9.58e5	1.01e6	93.9	-6.1	0.950	bd
4	210414R1_4	100	0.51	NO	33.65	0.986	1.05e6	1.08e6	95.9	-4.1	0.970	bd
5	210414R1_5	100	0.51	NO	33.67	0.986	1.02e6	9.84e5	103	2.6	1.04	bd
6	210414R1_6	100	0.51	NO	33.68	0.987	1.07e6	1.11e6	95.4	-4.6	0.964	bd

**Compound name: 13C-1,2,3,6,7,8-HxCDF**

Response Factor: 1.07338

RRF SD: 0.0605245, Relative SD: 5.63869

Response type: Internal Std ( Ref 38 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	100	0.52	NO	33.79	0.990	1.11e6	9.77e5	106	5.8	1.14	db
2	210414R1_2	100	0.52	NO	33.81	0.990	1.10e6	1.01e6	102	2.1	1.10	dd
3	210414R1_3	100	0.51	NO	33.81	0.990	1.01e6	1.01e6	93.4	-6.6	1.00	db
4	210414R1_4	100	0.51	NO	33.80	0.990	1.12e6	1.08e6	96.1	-3.9	1.03	db
5	210414R1_5	100	0.51	NO	33.81	0.990	1.13e6	9.84e5	107	6.8	1.15	db
6	210414R1_6	100	0.52	NO	33.81	0.990	1.14e6	1.11e6	95.8	-4.2	1.03	db

**Compound name: 13C-2,3,4,6,7,8-HxCDF**

Response Factor: 0.909508

RRF SD: 0.0399449, Relative SD: 4.39192

Response type: Internal Std ( Ref 38 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	100	0.51	NO	34.48	1.010	8.62e5	9.77e5	97.0	-3.0	0.882	bb
2	210414R1_2	100	0.51	NO	34.50	1.011	9.20e5	1.01e6	101	0.6	0.915	bb



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**Compound name: 13C-2,3,4,6,7,8-HxCDF**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210414R1_3	100	0.51	NO	34.50	1.011	8.85e5	1.01e6	96.5	-3.5	0.878	bb
4	210414R1_4	100	0.51	NO	34.49	1.011	9.78e5	1.08e6	99.2	-0.8	0.902	bb
5	210414R1_5	100	0.51	NO	34.50	1.011	9.70e5	9.84e5	108	8.4	0.986	bb
6	210414R1_6	100	0.51	NO	34.50	1.011	9.88e5	1.11e6	98.2	-1.8	0.894	bb

**Compound name: 13C-1,2,3,7,8,9-HxCDF**

Response Factor: 0.828495

RRF SD: 0.0441817, Relative SD: 5.33276

Response type: Internal Std ( Ref 38 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	100	0.51	NO	35.58	1.043	8.35e5	9.77e5	103	3.1	0.855	bd
2	210414R1_2	100	0.50	NO	35.59	1.043	8.23e5	1.01e6	98.8	-1.2	0.819	bb
3	210414R1_3	100	0.50	NO	35.59	1.043	7.82e5	1.01e6	93.6	-6.4	0.775	bb
4	210414R1_4	100	0.51	NO	35.58	1.043	8.67e5	1.08e6	96.5	-3.5	0.800	bb
5	210414R1_5	100	0.51	NO	35.59	1.043	8.86e5	9.84e5	109	8.8	0.901	bb
6	210414R1_6	100	0.50	NO	35.59	1.043	9.08e5	1.11e6	99.1	-0.9	0.821	bb

**Compound name: 13C-1,2,3,4,6,7,8-HpCDF**

Response Factor: 0.660927

RRF SD: 0.0478014, Relative SD: 7.23248

Response type: Internal Std ( Ref 38 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	100	0.43	NO	37.16	1.089	6.01e5	9.77e5	93.0	-7.0	0.615	bb
2	210414R1_2	100	0.43	NO	37.17	1.089	7.19e5	1.01e6	108	8.2	0.715	bb
3	210414R1_3	100	0.44	NO	37.16	1.089	6.30e5	1.01e6	94.5	-5.5	0.624	bb
4	210414R1_4	100	0.44	NO	37.15	1.089	6.93e5	1.08e6	96.8	-3.2	0.639	bb
5	210414R1_5	100	0.44	NO	37.16	1.089	7.15e5	9.84e5	110	10.0	0.727	bb
6	210414R1_6	100	0.43	NO	37.17	1.089	7.13e5	1.11e6	97.6	-2.4	0.645	bb

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**Compound name: 13C-1,2,3,4,7,8,9-HpCDF**

Response Factor: 0.565796  
 RRF SD: 0.0589126, Relative SD: 10.4123  
 Response type: Internal Std ( Ref 38 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	100	0.44	NO	38.95	1.141	5.32e5	9.77e5	96.2	-3.8	0.544	bb
2	210414R1_2	100	0.44	NO	38.97	1.141	6.67e5	1.01e6	117	17.2	0.663	bb
3	210414R1_3	100	0.43	NO	38.95	1.141	5.16e5	1.01e6	90.4	-9.6	0.511	bb
4	210414R1_4	100	0.43	NO	38.95	1.141	5.80e5	1.08e6	94.5	-5.5	0.535	bb
5	210414R1_5	100	0.44	NO	38.95	1.141	6.02e5	9.84e5	108	8.2	0.612	bd
6	210414R1_6	100	0.43	NO	38.97	1.141	5.85e5	1.11e6	93.5	-6.5	0.529	bb

**Compound name: 13C-OCDF**

Response Factor: 0.662528  
 RRF SD: 0.0621617, Relative SD: 9.3825  
 Response type: Internal Std ( Ref 38 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	200	0.90	NO	41.64	1.220	1.36e6	9.77e5	210	5.2	0.697	bb
2	210414R1_2	200	0.88	NO	41.66	1.220	1.47e6	1.01e6	221	10.5	0.732	bb
3	210414R1_3	200	0.89	NO	41.66	1.220	1.17e6	1.01e6	176	-12.2	0.582	bb
4	210414R1_4	200	0.88	NO	41.64	1.220	1.36e6	1.08e6	189	-5.6	0.625	bb
5	210414R1_5	200	0.88	NO	41.65	1.220	1.42e6	9.84e5	218	8.8	0.721	bb
6	210414R1_6	200	0.89	NO	41.65	1.220	1.37e6	1.11e6	187	-6.7	0.618	bb

**Compound name: 37Cl-2,3,7,8-TCDD**

Response Factor: 2.06778  
 RRF SD: 0.220438, Relative SD: 10.6606  
 Response type: Internal Std ( Ref 36 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	0.250			26.93	1.026	6.11e3	1.37e6	0.215	-13.8	1.78	bb
2	210414R1_2	0.500			26.96	1.028	1.53e4	1.38e6	0.535	6.9	2.21	bb

Dataset: U:\VG12.PRO\Results\210414R1\210414R1\_CRV.qld

Last Altered: Thursday, April 15, 2021 09:26:26 Pacific Daylight Time

Printed: Thursday, April 15, 2021 10:31:17 Pacific Daylight Time

**Compound name: 37Cl-2,3,7,8-TCDD**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210414R1_3	2.00			26.94	1.027	4.90e4	1.33e6	1.79	-10.6	1.85	bb
4	210414R1_4	40.0			26.93	1.027	1.19e6	1.40e6	41.2	2.9	2.13	bb
5	210414R1_5	200			26.94	1.028	5.63e6	1.19e6	229	14.4	2.37	bb
6	210414R1_6	10.0			26.94	1.027	3.06e5	1.48e6	10.0	0.1	2.07	bb

**Compound name: 13C-1,2,3,4-TCDD**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 36 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	100	0.78	NO	26.23	1.000	1.37e6	1.37e6	100	0.0	1.00	bb
2	210414R1_2	100	0.78	NO	26.23	1.000	1.38e6	1.38e6	100	0.0	1.00	bb
3	210414R1_3	100	0.78	NO	26.23	1.000	1.33e6	1.33e6	100	0.0	1.00	bb
4	210414R1_4	100	0.78	NO	26.22	1.000	1.40e6	1.40e6	100	0.0	1.00	bb
5	210414R1_5	100	0.77	NO	26.22	1.000	1.19e6	1.19e6	100	0.0	1.00	bb
6	210414R1_6	100	0.78	NO	26.23	1.000	1.48e6	1.48e6	100	0.0	1.00	bb

**Compound name: 13C-1,2,3,4-TCDF**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 37 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	100	0.79	NO	24.93	1.000	1.78e6	1.78e6	100	0.0	1.00	bb
2	210414R1_2	100	0.79	NO	24.95	1.000	2.00e6	2.00e6	100	0.0	1.00	bb
3	210414R1_3	100	0.78	NO	24.95	1.000	1.90e6	1.90e6	100	0.0	1.00	bb
4	210414R1_4	100	0.78	NO	24.93	1.000	2.03e6	2.03e6	100	0.0	1.00	bb
5	210414R1_5	100	0.78	NO	24.93	1.000	1.76e6	1.76e6	100	0.0	1.00	bb
6	210414R1_6	100	0.78	NO	24.95	1.000	2.12e6	2.12e6	100	0.0	1.00	bb

Dataset: U:\VG12.PRO\Results\210414R1\210414R1\_CRV.qld

Last Altered: Thursday, April 15, 2021 09:26:26 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 10:31:17 Pacific Daylight Time

**Compound name: 13C-1,2,3,4,6,9-HxCDF**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 38 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210414R1_1	100	0.51	NO	34.13	1.000	9.77e5	9.77e5	100	0.0	1.00	bb
2	210414R1_2	100	0.51	NO	34.14	1.000	1.01e6	1.01e6	100	0.0	1.00	bb
3	210414R1_3	100	0.51	NO	34.14	1.000	1.01e6	1.01e6	100	0.0	1.00	bb
4	210414R1_4	100	0.51	NO	34.13	1.000	1.08e6	1.08e6	100	0.0	1.00	bb
5	210414R1_5	100	0.51	NO	34.14	1.000	9.84e5	9.84e5	100	0.0	1.00	bb
6	210414R1_6	100	0.51	NO	34.14	1.000	1.11e6	1.11e6	100	0.0	1.00	bb

Dataset: Untitled

Last Altered: Thursday, April 15, 2021 10:22:19 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 10:22:49 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-06-21.mdb 06 Apr 2021 08:35:23  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

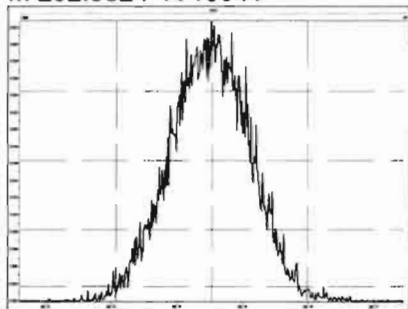
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	210414R1_1	ST210414R1-1 1613 CS0 21D0706	14-Apr-21	09:44:53
2	210414R1_2	ST210414R1-2 1613 CS1 21D0707	14-Apr-21	10:37:34
3	210414R1_3	ST210414R1-3 1613 CS2 21C0104	14-Apr-21	11:26:41
4	210414R1_4	ST210414R1-4 1613 CS4 21C0106	14-Apr-21	12:13:44
5	210414R1_5	ST210414R1-5 1613 CS5 21C0107	14-Apr-21	12:59:55
6	210414R1_6	ST210414R1-6 1613 CS3 21C0105	14-Apr-21	13:46:07
7	210414R1_7	SS210414R1-1 1613 SSS 21C0108	14-Apr-21	14:34:13

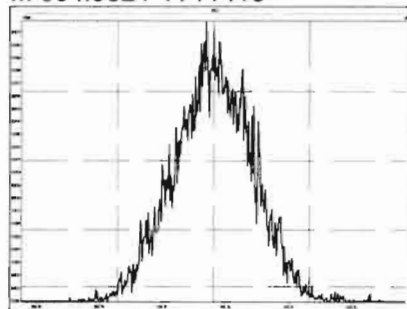
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, April 14, 2021 09:36:46 Pacific Daylight Time

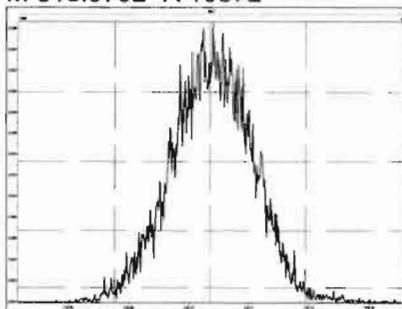
M 292.9824 R 10641



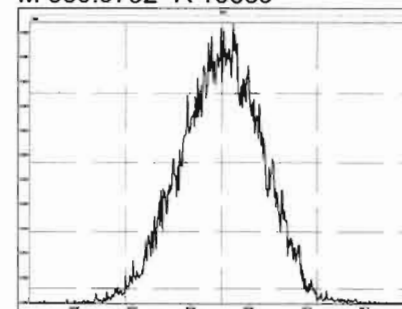
M 304.9824 R 11415



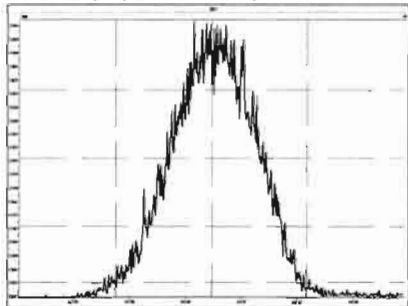
M 318.9792 R 10872



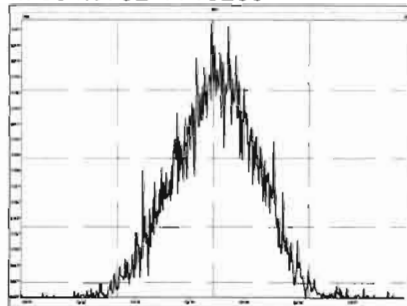
M 330.9792 R 10639



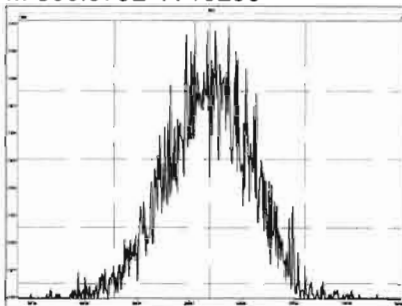
M 342.9792 R 10419



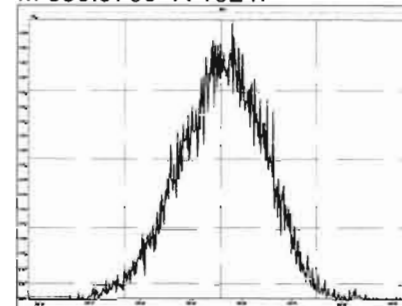
M 354.9792 R 10288



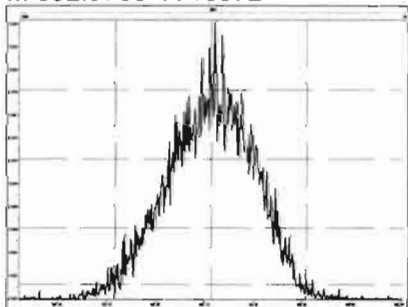
M 366.9792 R 10286



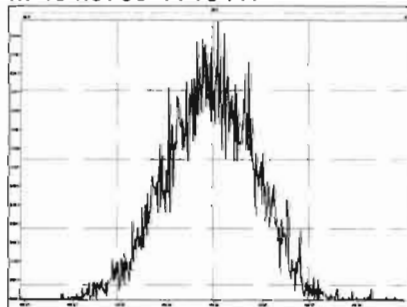
M 380.9760 R 10247



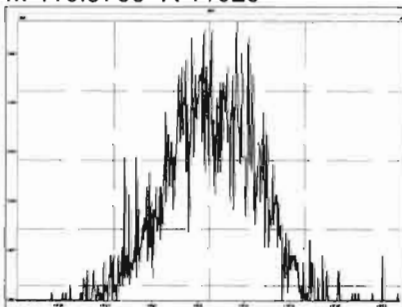
M 392.9760 R 10372



M 404.9760 R 10417



M 416.9760 R 11626



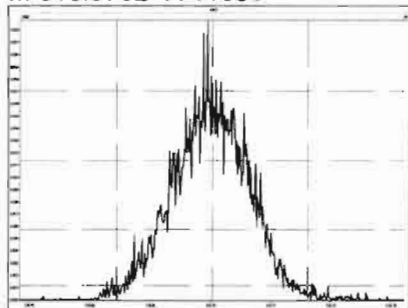
Experiment Calibration Report

MassLynx 4.1 SCN815

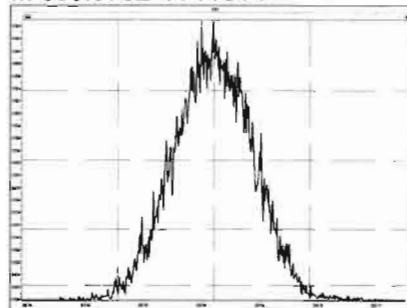
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, April 14, 2021 09:38:24 Pacific Daylight Time

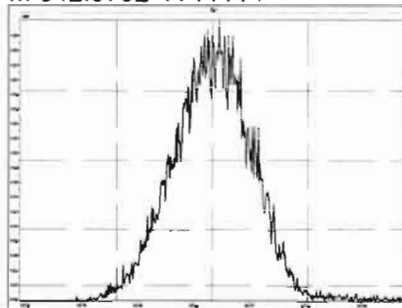
M 318.9792 R 11680



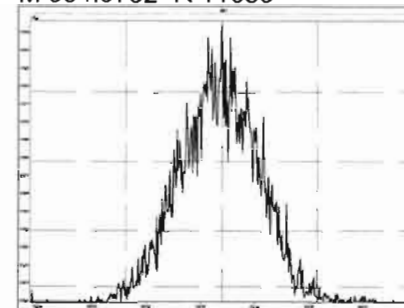
M 330.9792 R 11014



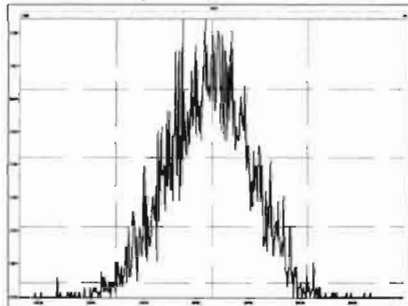
M 342.9792 R 11114



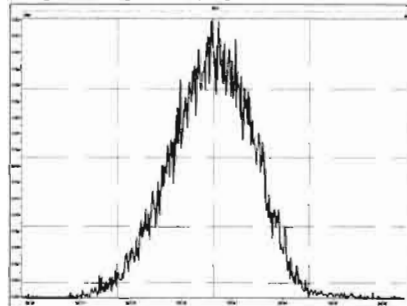
M 354.9792 R 11683



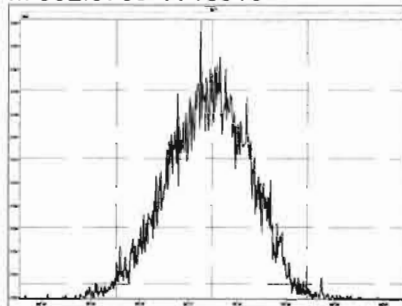
M 366.9792 R 10778



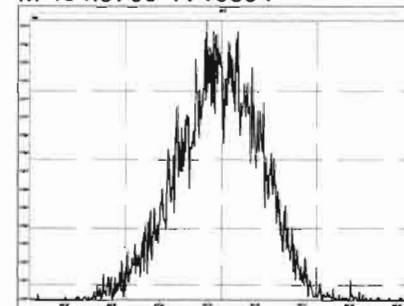
M 380.9760 R 10374



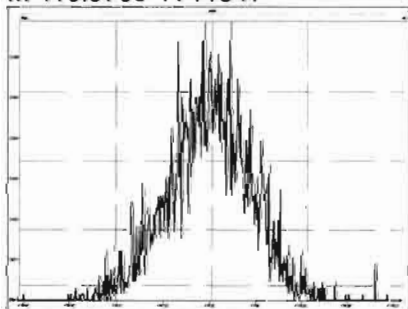
M 392.9760 R 10916



M 404.9760 R 10594



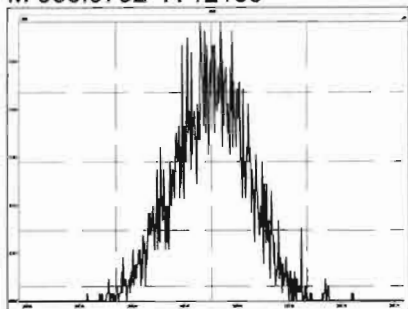
M 416.9760 R 11847



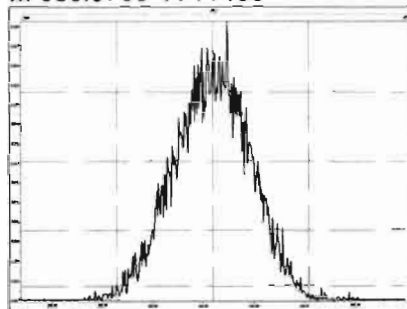
File: Experiment: OCDD\_DIOXIN.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, April 14, 2021 09:39:36 Pacific Daylight Time

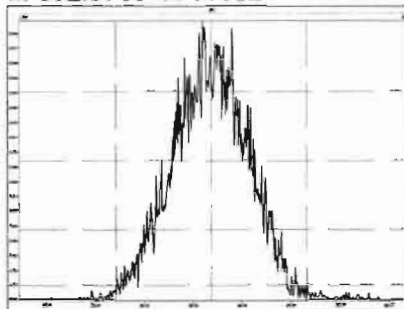
M 366.9792 R 12136



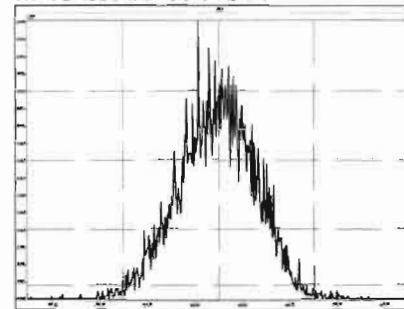
M 380.9760 R 11466



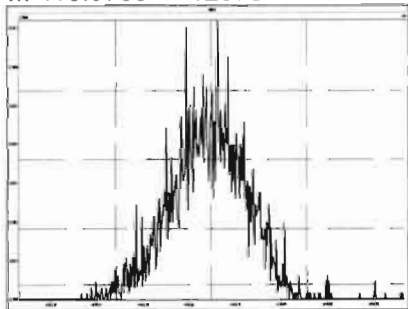
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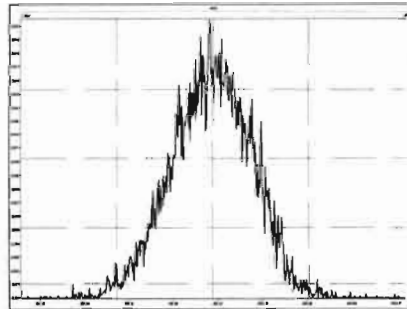
M 404.9760 R 11964



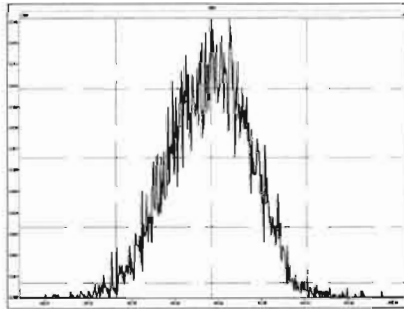
M 416.9760 R 12078



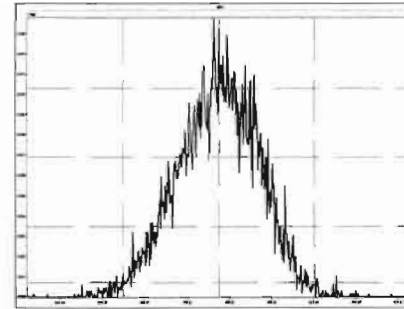
M 430.9728 R 11159



M 442.9728 R 10870



M 454.9728 R 11159

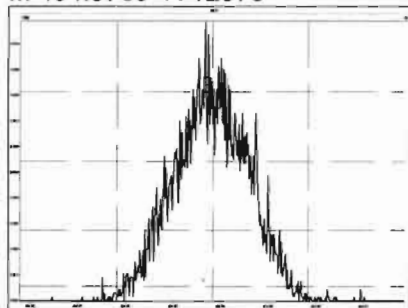




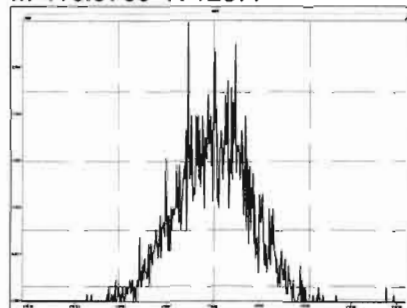
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Printed: Wednesday, April 14, 2021 09:40:37 Pacific Daylight Time

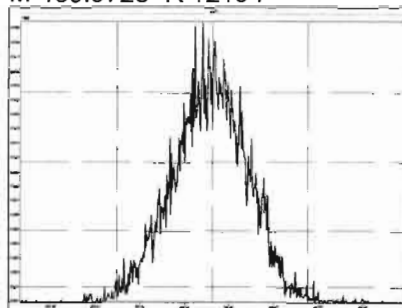
M 404.9760 R 12076



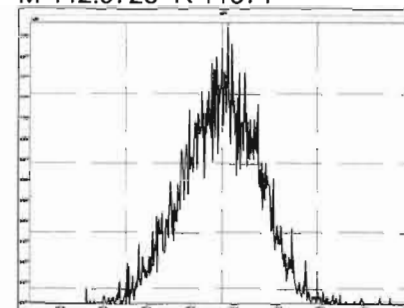
M 416.9760 R 12377



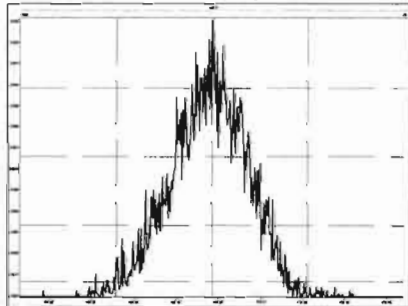
M 430.9728 R 12194



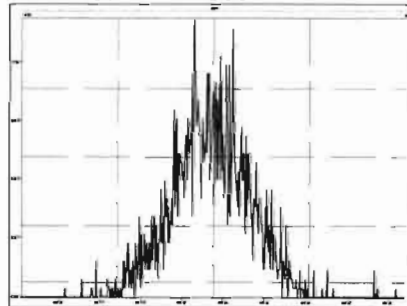
M 442.9728 R 11571



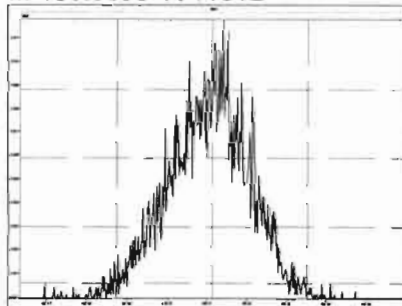
M 454.9728 R 11415



M 466.9728 R 13091



M 480.9696 R 11312



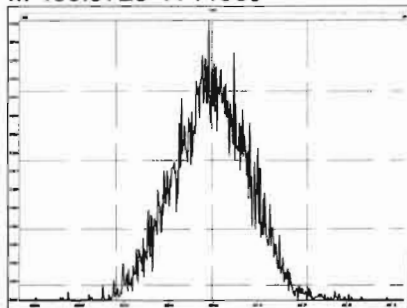
Experiment Calibration Report

MassLynx 4.1 SCN815

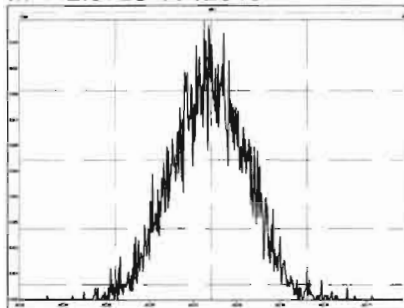
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Printed: Wednesday, April 14, 2021 09:41:44 Pacific Daylight Time

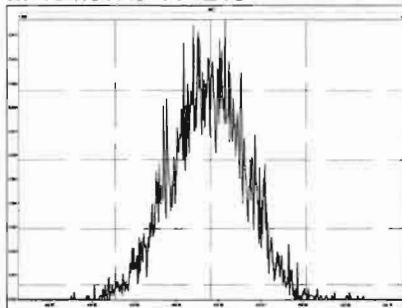
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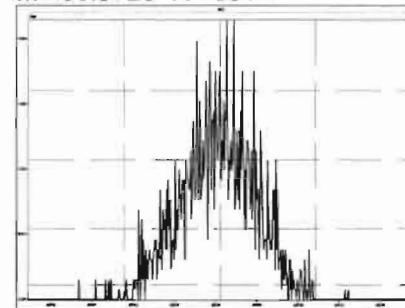
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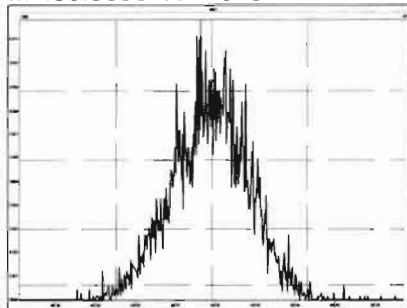
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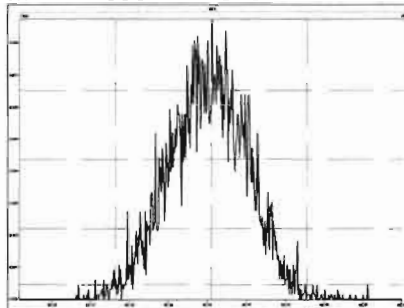
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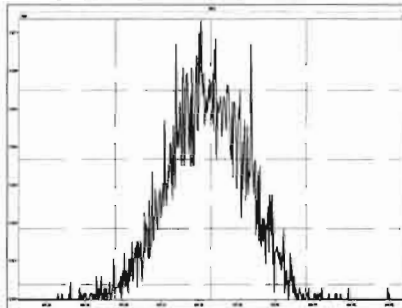
M 480.9696 R 12076



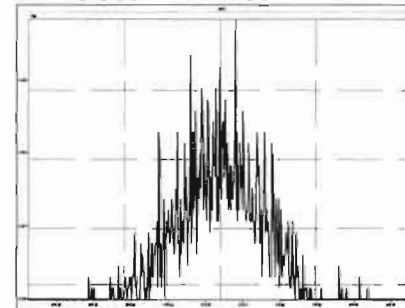
M 492.9696 R 11518



M 504.9696 R 13157



M 516.9697 R 14798



Dataset: U:\VG12.PRO\Results\210414R1\210414R1\_CPSM.qld

Last Altered: Thursday, April 15, 2021 09:55:18 Pacific Daylight Time

Printed: Thursday, April 15, 2021 09:55:55 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 06 Apr 2021 16:19:34

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210414R1\_6, Date: 14-Apr-2021, Time: 13:46:07, ID: ST210414R1-6 1613 CS3 21C0105, Description: 1613 CS3 21C0105

#	Name	RT
1	1 1,3,6,8-TCDD (First)	23.62
2	2 1,2,8,9-TCDD (Last)	27.76
3	3 1,2,4,7,9-PeCDD (First)	29.13
4	4 1,2,3,8,9-PeCDD (Last)	31.62
5	5 1,2,4,6,7,9-HxCDD (First)	32.89
6	6 1,2,3,7,8,9-HxCDD (Last)	35.05
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.47
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.31
9	9 1,3,6,8-TCDF (First)	21.61
10	10 1,2,8,9-TCDF (Last)	28.07
11	11 1,3,4,6,8-PeCDF (First)	27.62
12	12 1,2,3,8,9-PeCDF (Last)	31.98
13	13 1,2,3,4,6,8-HxCDF (First)	32.36
14	14 1,2,3,7,8,9-HxCDF (Last)	35.61
15	15 1,2,3,4,6,7,8-HpCDF (First)	37.18
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.98

Dataset: U:\VG12.PRO\Results\210414R1\210414R1\_CPSM.qld

Last Altered: Thursday, April 15, 2021 09:55:18 Pacific Daylight Time

Printed: Thursday, April 15, 2021 09:55:55 Pacific Daylight Time

FIN 04/15/21

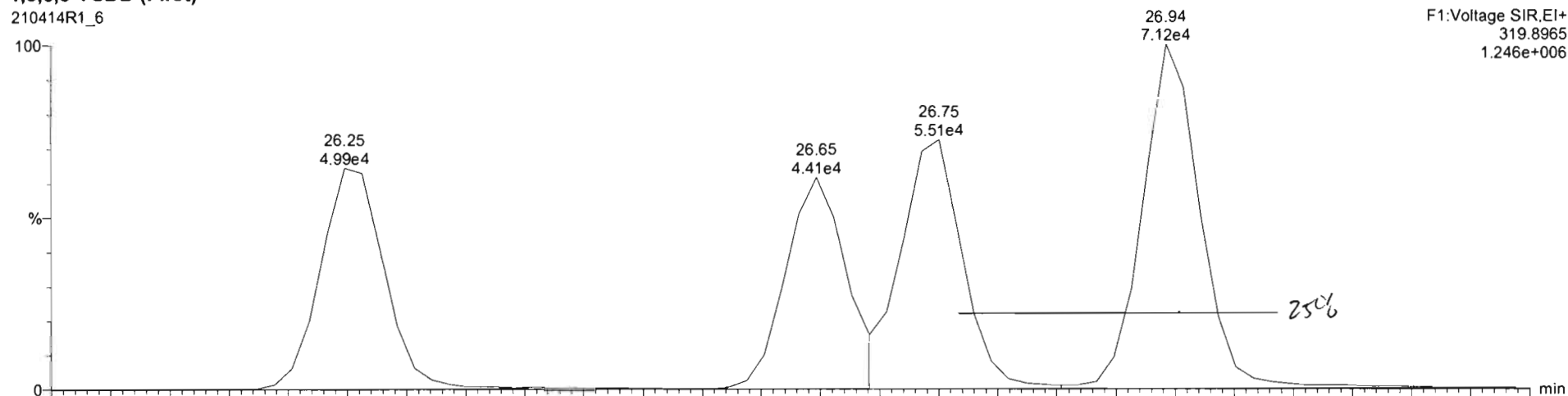
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Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

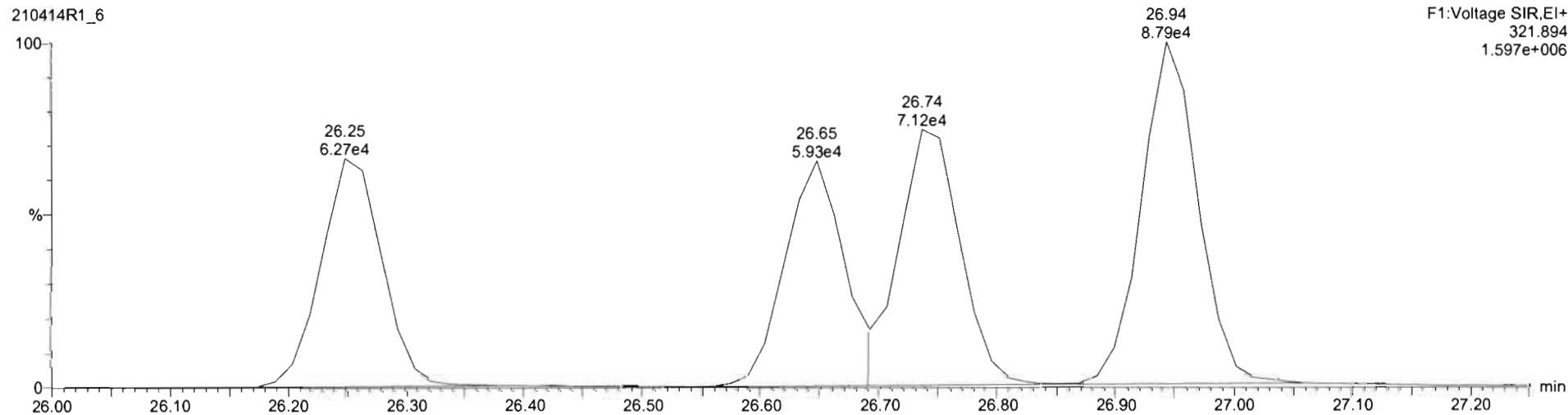
Name: 210414R1\_6, Date: 14-Apr-2021, Time: 13:46:07, ID: ST210414R1-6 1613 CS3 21C0105, Description: 1613 CS3 21C0105

1,3,6,8-TCDD (First)

210414R1\_6



210414R1\_6



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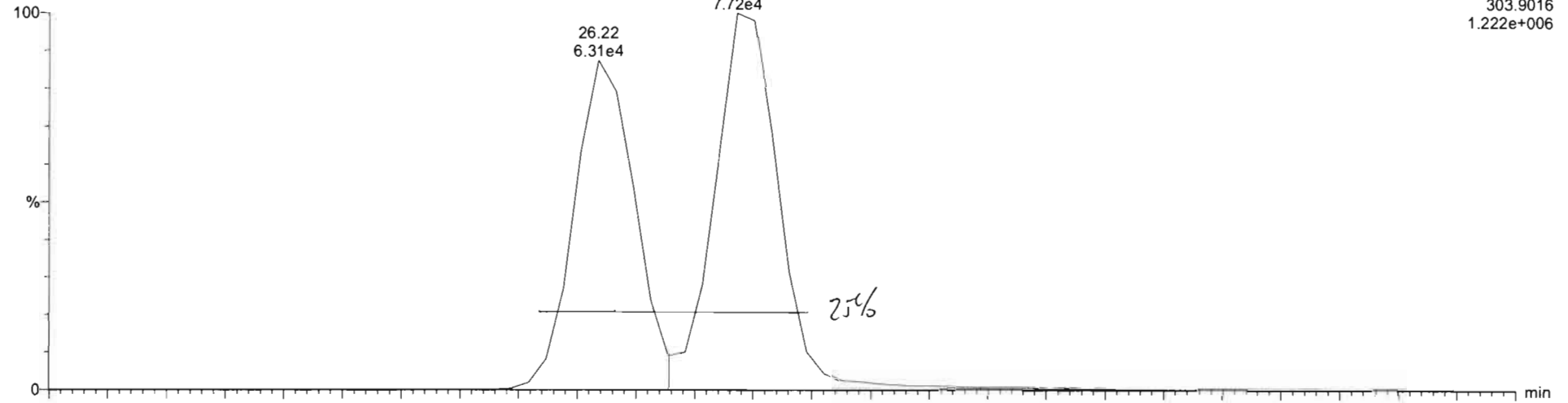
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*FIN 04/15/21*

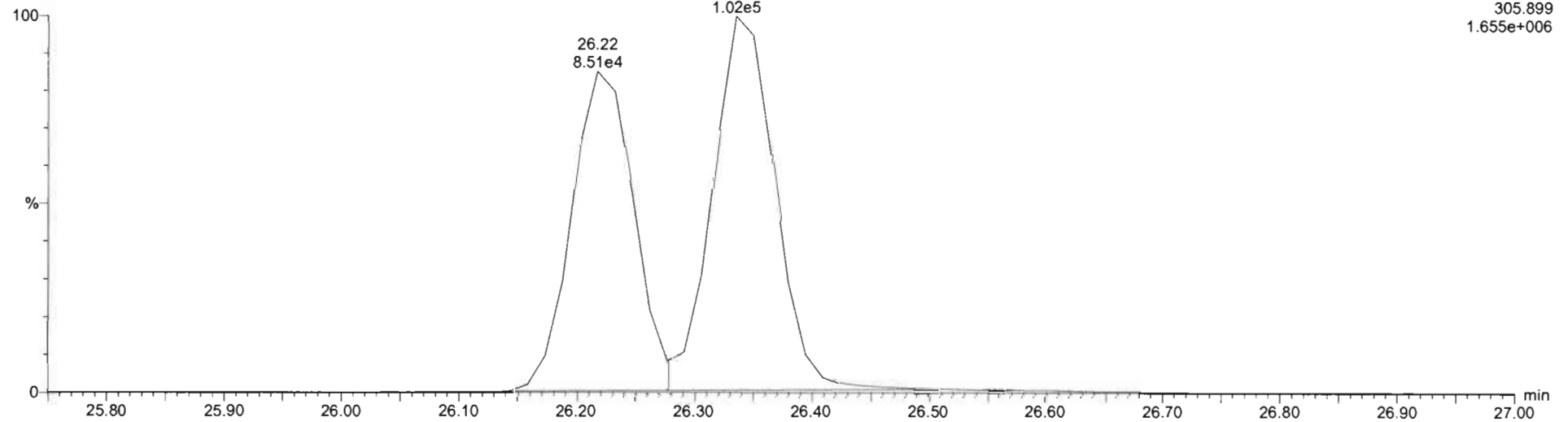
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1,3,6,8-TCDF (First)

210414R1\_6



210414R1\_6



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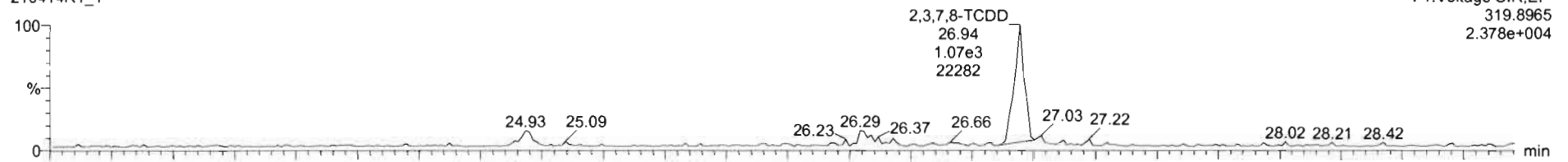
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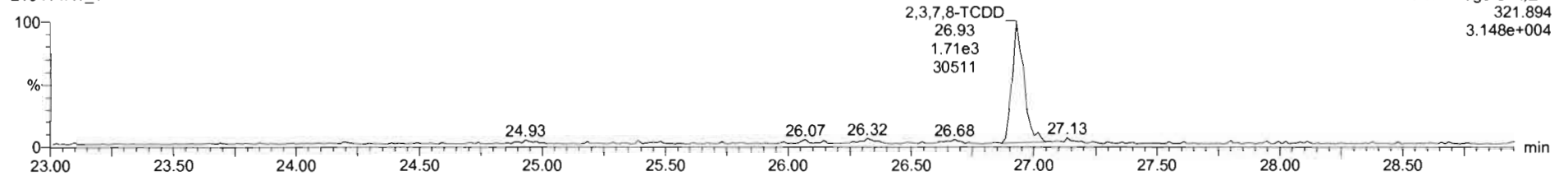
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**2,3,7,8-TCDD**

210414R1\_1

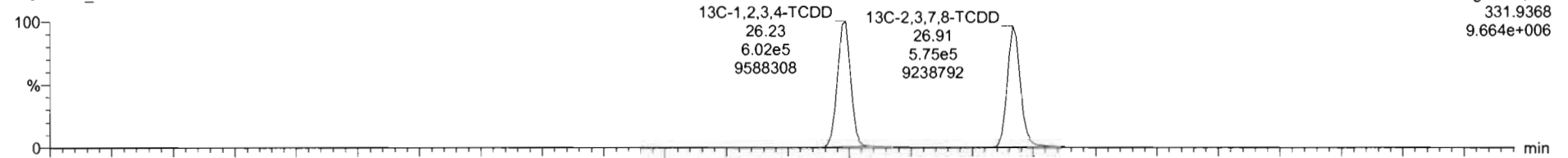


210414R1\_1

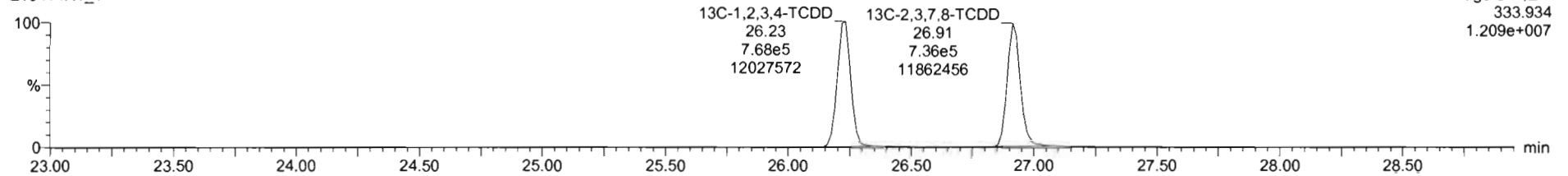


**13C-2,3,7,8-TCDD**

210414R1\_1



210414R1\_1

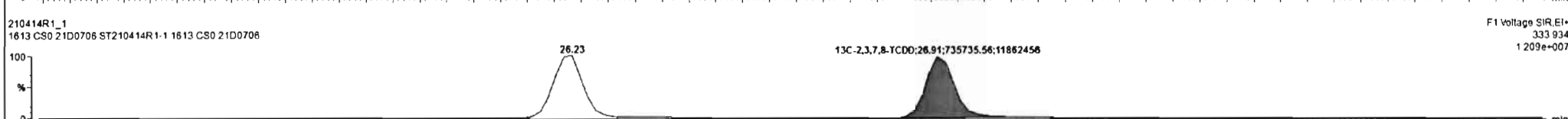
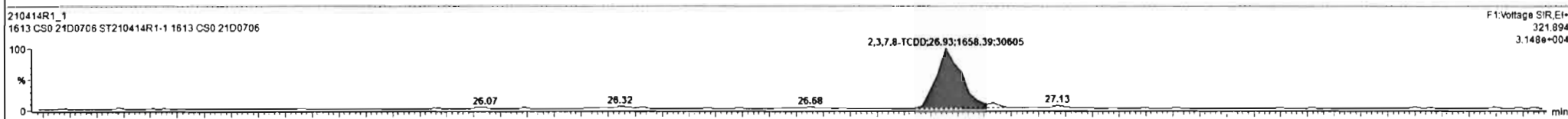
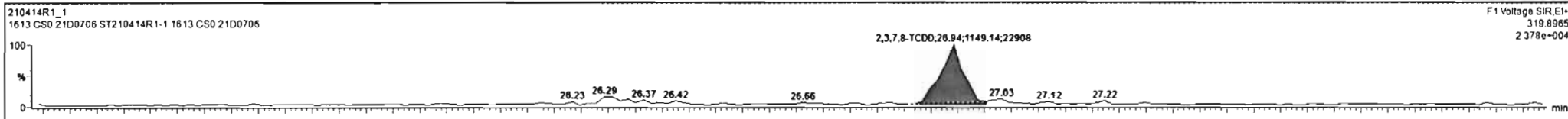


TargetLynx - 210414R1\_CRV.qtd - Chromatogram

File Edit View Display Processing Window Help

210414R1\_1 - ST210414R1-1 1613 CS0 21D0706 - 1613 CS0 21D0706

#	RT	Name	RA	ym	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	26.94	2,3,7,8-TCDD	0.693	NO	2.8075e3	1.3106e6	0.250	-7.8	8.93	0.929	0.0829
2	31.27	1,2,3,7,8-PeCDD	0.677	NO	1.0318e4	1.0270e6	1.250	-2.7	5.84	0.826	0.0482
3	34.61	1,2,3,4,7,8-HxCDD	1.233	NO	7.3941e3	6.5523e5	1.250	-7.2	8.87	0.972	0.0863
4	34.73	1,2,3,6,7,8-HxCDD	1.134	NO	8.0483e3	7.4877e5	1.250	-2.0	6.38	0.877	0.0560
5	35.03	1,2,3,7,8,9-HxCDD	1.217	NO	7.6564e3	7.4924e5	1.250	-6.5	8.96	0.874	0.0774
6	38.31	1,2,3,4,6,7,8-HpCDD	1.021	NO	6.5478e3	6.0817e5	1.250	-4.2	7.53	0.899	0.0677
7	41.31	OCDD	0.858	NO	1.1058e4	1.0908e6	2.500	-4.9	7.48	0.852	0.0638
8	26.35	2,3,7,8-TCDF	0.790	NO	3.8680e3	2.1654e6	0.250	-4.3	9.29	0.747	0.0693
9	30.10	1,2,3,7,8-PeCDF	1.521	NO	1.3395e4	1.3567e6	1.250	-9.9	8.18	0.877	0.0718
10	31.09	2,3,4,7,8-PeCDF	1.483	NO	1.8882e4	1.4573e6	1.250	-3.8	7.01	0.962	0.0675
11	33.67	1,2,3,4,7,8-HxCDF	1.172	NO	1.1296e4	1.0627e6	1.250	-7.5	8.29	0.920	0.0762
12	33.81	1,2,3,6,7,8-HxCDF	1.248	NO	1.1920e4	1.1097e6	1.250	-8.3	7.74	0.937	0.0725
13	34.50	2,3,4,6,7,8-HxCDF	1.224	NO	9.5902e3	8.6242e5	1.250	-8.5	8.41	0.973	0.0818
14	35.59	1,2,3,7,8,9-HxCDF	1.155	NO	9.3601e3	8.3529e5	1.250	-4.6	8.34	0.940	0.0784
15	37.17	1,2,3,4,6,7,8-HpCDF	1.018	NO	7.3127e3	6.0094e5	1.250	-7.1	8.33	1.05	0.0873
16	38.95	1,2,3,4,7,8,9-HpCDF	0.919	NO	6.4893e3	5.3180e5	1.250	-6.6	8.40	1.05	0.0879
17	41.65	OCDF	0.893	NO	1.2322e4	1.3632e6	2.500	-6.2	7.94	0.771	0.0612



Ready

210414R1\_1 CAP NUM

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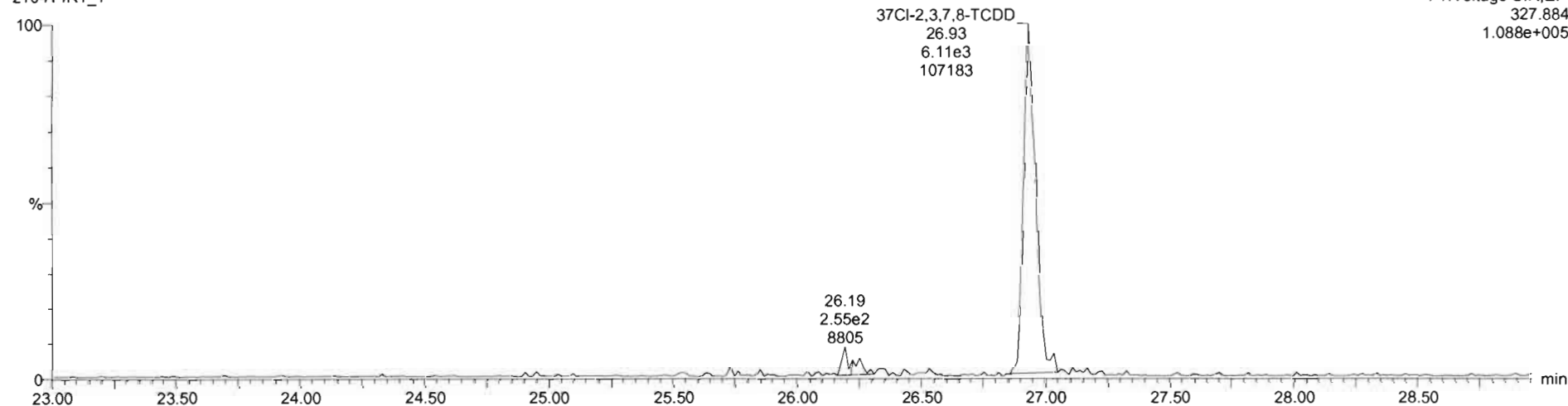
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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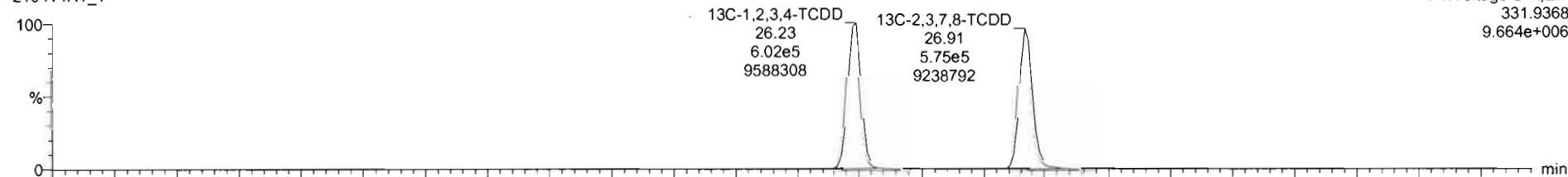
**37Cl-2,3,7,8-TCDD**

210414R1\_1

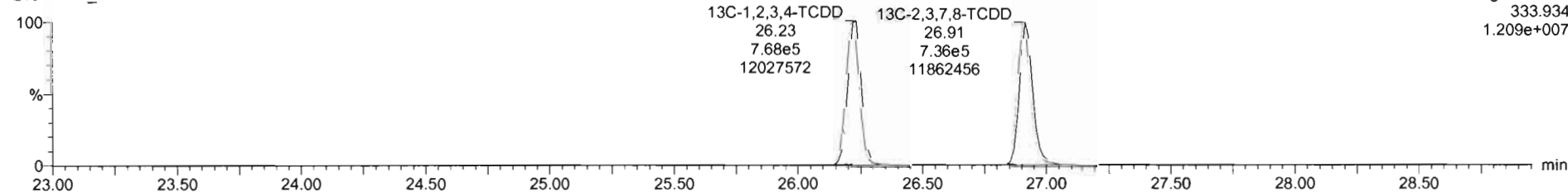


**13C-1,2,3,4-TCDD**

210414R1\_1



210414R1\_1





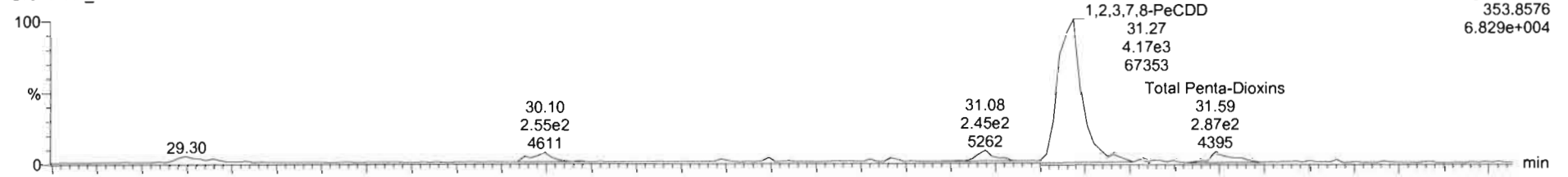
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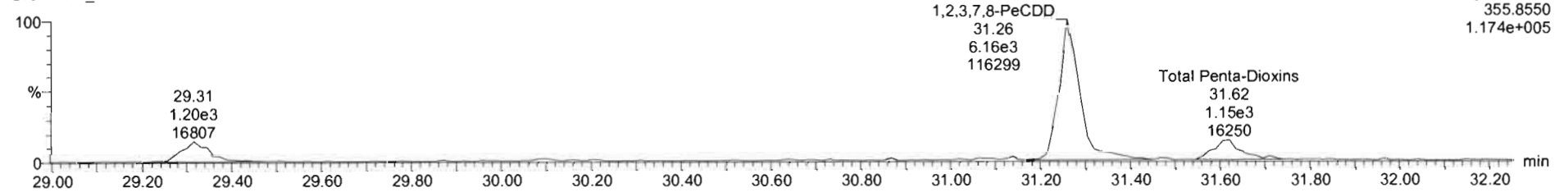
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**1,2,3,7,8-PeCDD**

210414R1\_1

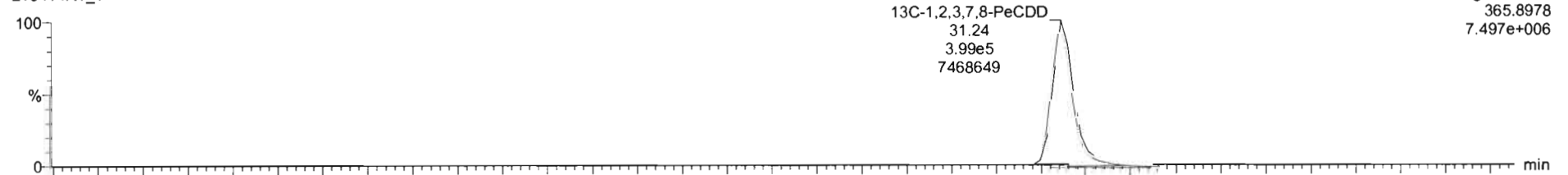


210414R1\_1

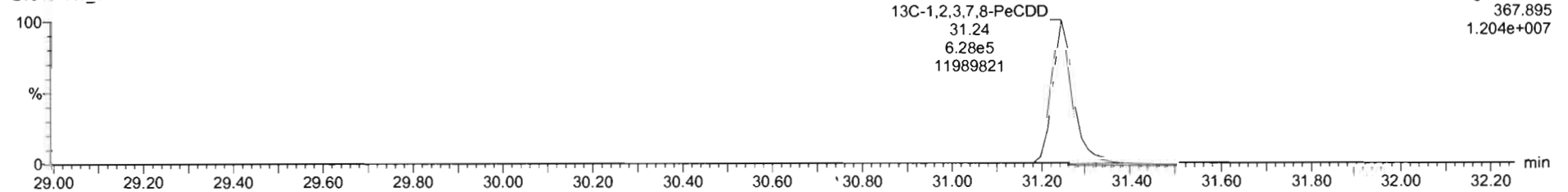


**13C-1,2,3,7,8-PeCDD**

210414R1\_1



210414R1\_1



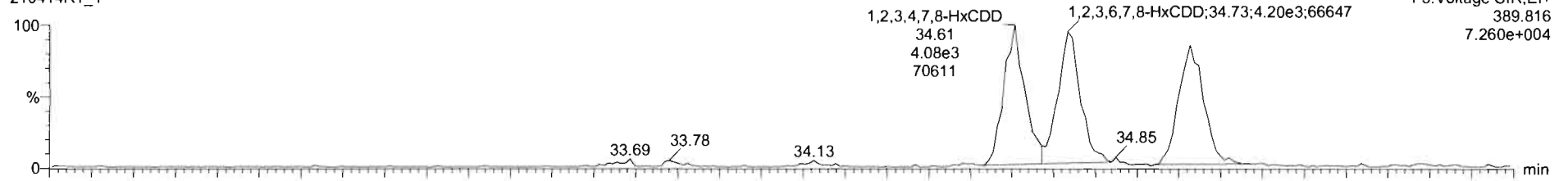
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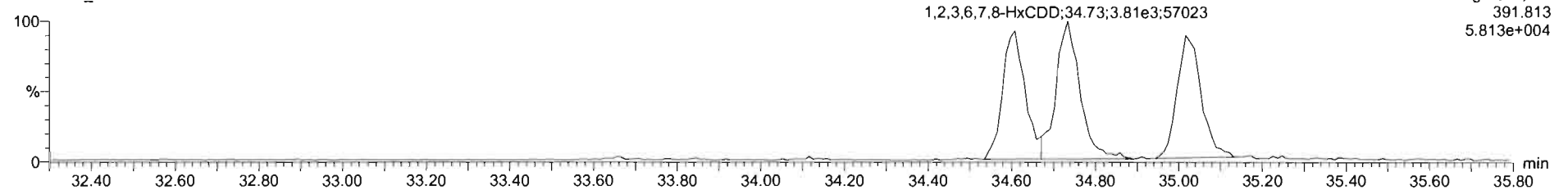
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1,2,3,4,7,8-HxCDD

210414R1\_1

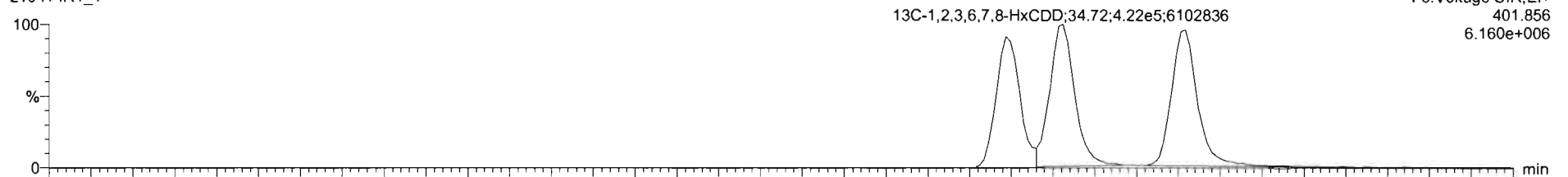


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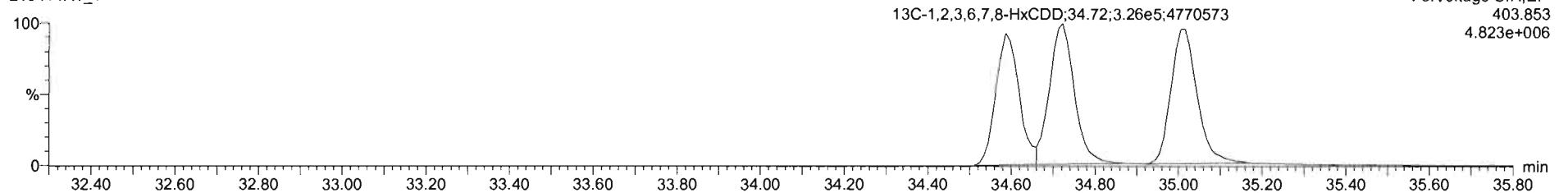


13C-1,2,3,4,7,8-HxCDD

210414R1\_1



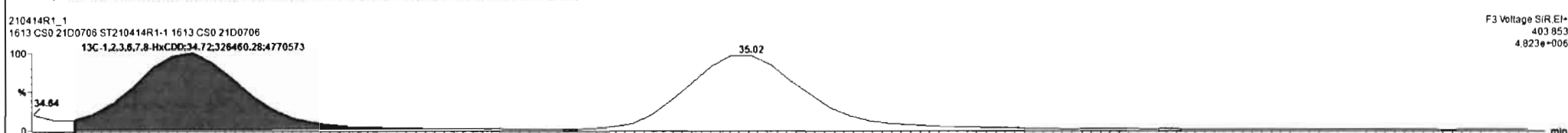
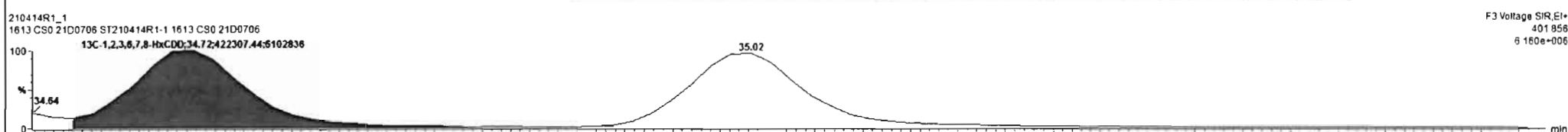
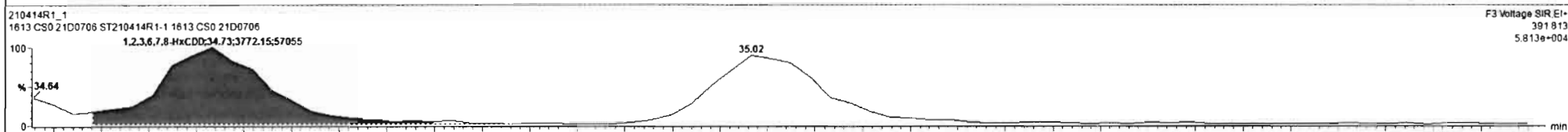
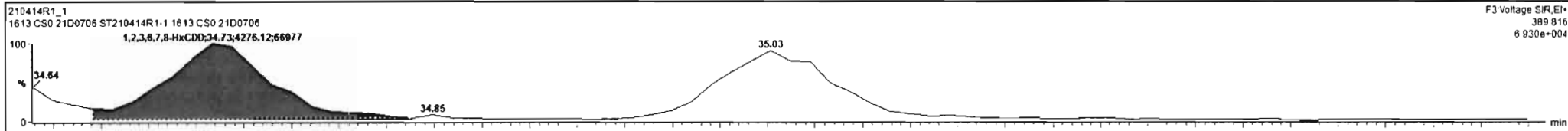
210414R1\_1



TargetLyx - 210414R1\_CRV.qld - Chromatogram

210414R1\_1 ST210414R1-1 1613 CS0 21D0706 1613 CS0 21D0706

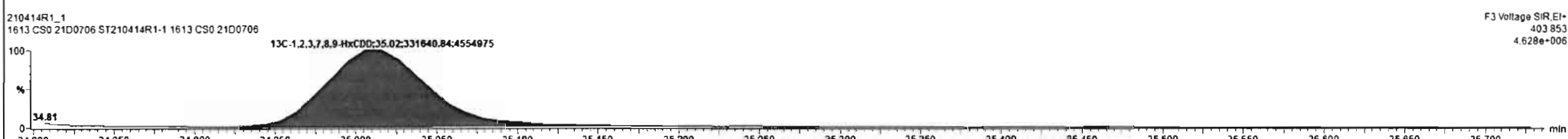
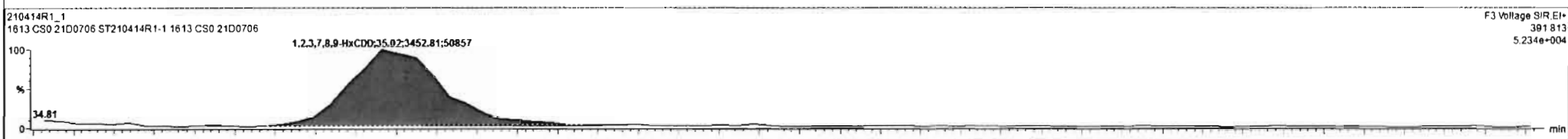
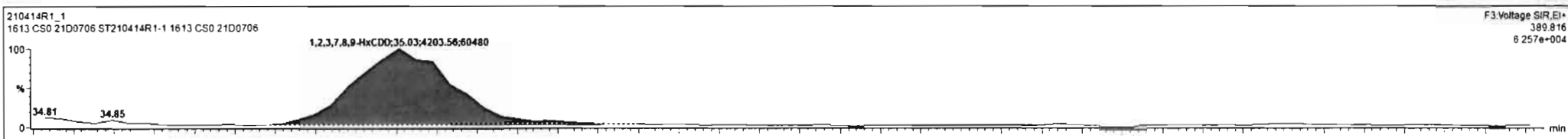
#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	28.94	0.693	NO	2.8075e3	1.3106e6	0.250	-7.8	8.93	0.929	0.0829
2	1,2,3,7,8-PeCDD	31.27	0.677	NO	1.0318e4	1.0270e6	1.250	-2.7	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.61	1.233	NO	7.3941e3	6.5523e5	1.250	-7.2	8.87	0.872	0.0863
4	1,2,3,6,7,8-HxCDD	34.73	1.134	NO	8.9453e3	7.4877e5	1.250	-2.0	6.38	0.877	0.0560
5	1,2,3,7,8,9-HxCDD	35.03	1.217	NO	7.6564e3	7.4924e5	1.250	-6.5	8.86	0.874	0.0774
6	1,2,3,4,6,7,8-HpCDD	38.31	1.021	NO	6.5478e3	6.0817e5	1.250	-4.2	7.53	0.899	0.0677
7	OCDD	41.31	0.858	NO	1.1058e4	1.0908e6	2.500	-4.9	7.48	0.852	0.0638
8	2,3,7,8-TCDF	26.35	0.790	NO	3.8680e3	2.1654e6	0.250	-4.3	9.29	0.747	0.0693
9	1,2,3,7,8-PeCDF	30.10	1.521	NO	1.3395e4	1.3567e6	1.250	-9.9	8.18	0.877	0.0718
10	1,2,3,4,7,8-PeCDF	31.09	1.483	NO	1.6862e4	1.4573e6	1.250	-3.8	7.01	0.962	0.0675
11	1,2,3,4,7,8-HxCDF	33.67	1.172	NO	1.1296e4	1.0627e6	1.250	-7.6	6.23	0.920	0.0758
12	1,2,3,6,7,8-HxCDF	33.81	1.248	NO	1.1920e4	1.1097e6	1.250	-8.2	7.76	0.936	0.0727
13	2,3,4,8,7,8-HxCDF	34.50	1.224	NO	9.5902e3	8.6242e5	1.250	-8.5	6.41	0.973	0.0818



Resolv

210414R1\_1 CAP NUM

#	Name	RT	RA	Y/N	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	26.94	0.693	NO	2.8075e3	1.3105e6	0.250	-7.8	8.93	0.929	0.0829
2	1,2,3,7,8-PeCDD	31.27	0.677	NO	1.0318e4	1.0270e6	1.250	-2.7	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.81	1.233	NO	7.3941e3	6.5523e5	1.250	-7.2	8.87	0.972	0.0863
4	1,2,3,6,7,8-HxCDD	34.73	1.134	NO	8.0483e3	7.4877e5	1.250	-2.0	6.38	0.877	0.0560
5	1,2,3,7,8,9-HxCDD	35.03	1.217	NO	7.6564e3	7.4924e5	1.250	-8.5	8.96	0.874	0.0774
6	1,2,3,4,6,7,8-HpCDD	36.31	1.021	NO	6.5478e3	6.0817e5	1.250	-4.2	7.53	0.899	0.0677
7	OCDD	41.31	0.858	NO	1.1058e4	1.0906e6	2.500	-4.9	7.48	0.852	0.0638
8	2,3,7,8-TCDF	26.35	0.790	NO	3.8680e3	2.1654e6	0.250	-4.3	9.29	0.747	0.0693
9	1,2,3,7,8-PeCDF	30.10	1.521	NO	1.3395e4	1.3567e6	1.250	-9.9	8.18	0.877	0.0718
10	2,3,4,7,8-PeCDF	31.09	1.483	NO	1.8882e4	1.4573e6	1.250	-3.8	7.01	0.962	0.0875
11	1,2,3,4,7,8-HxCDF	33.67	1.172	NO	1.1296e4	1.0627e6	1.250	-7.6	8.23	0.920	0.0758
12	1,2,3,6,7,8-HxCDF	33.81	1.248	NO	1.1920e4	1.1097e6	1.250	-8.2	7.76	0.936	0.0727
13	2,3,4,6,7,8-HxCDF	34.50	1.224	NO	9.5902e3	8.6242e5	1.250	-8.5	8.41	0.973	0.0818



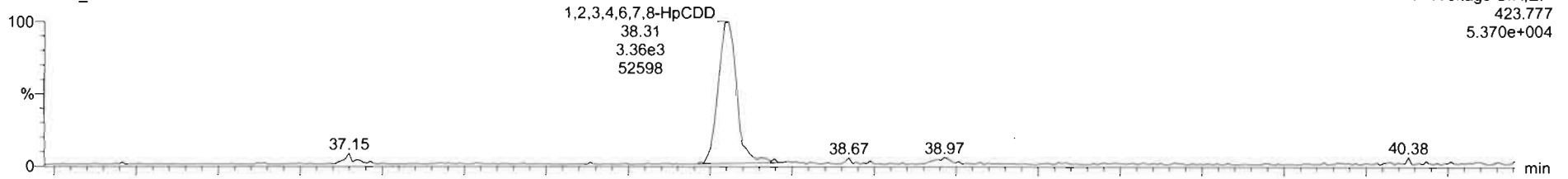
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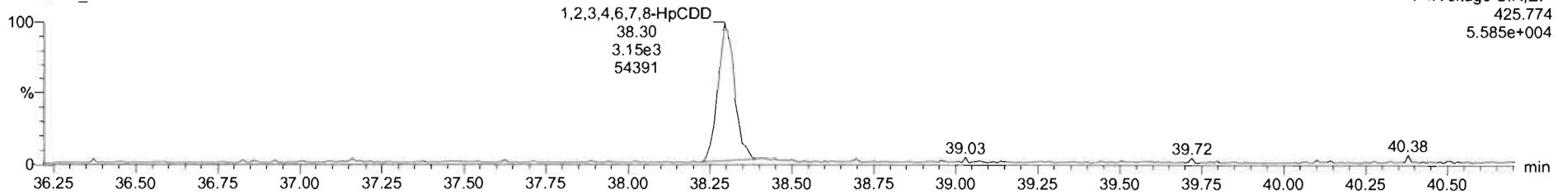
Name: 210414R1\_1, Date: 14-Apr-2021, Time: 09:44:53, ID: ST210414R1-1 1613 CS0 21D0706, Description: 1613 CS0 21D0706

**1,2,3,4,6,7,8-HpCDD**

210414R1\_1

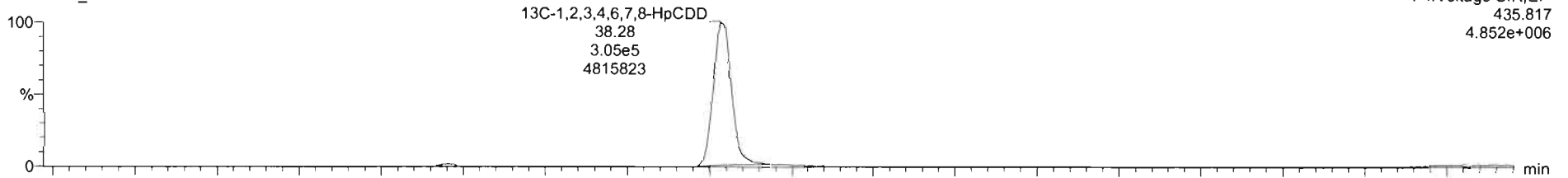


210414R1\_1

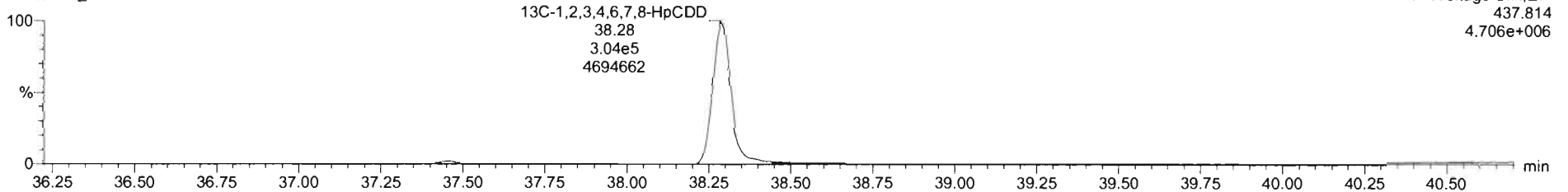


**13C-1,2,3,4,6,7,8-HpCDD**

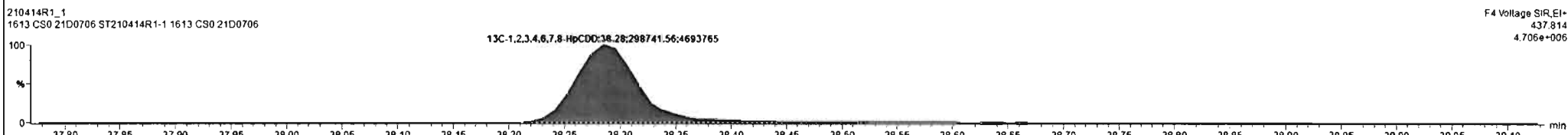
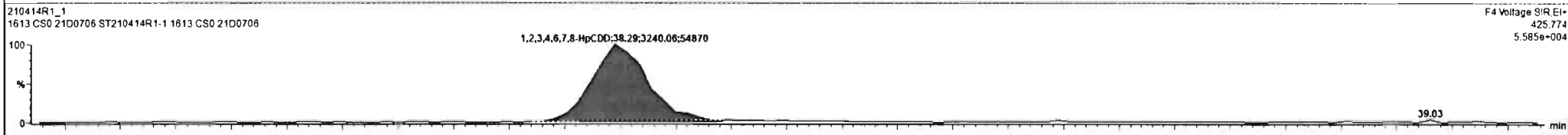
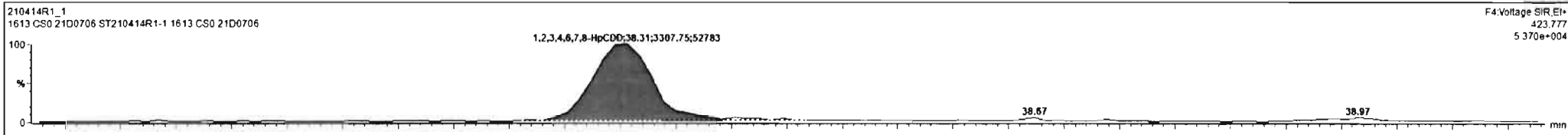
210414R1\_1



210414R1\_1



Sl	Name	RT	RA	Y/N	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	26.94	0.693	NO	2.8075e3	1.3106e6	0.250	-7.8	8.93	0.929	0.0629
2	1,2,3,7,8-PeCDD	31.27	0.677	NO	1.0318e4	1.0270e6	1.250	-2.7	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.61	1.233	NO	7.3941e3	6.5523e5	1.250	-7.2	8.87	0.972	0.0863
4	1,2,3,6,7,8-HxCDD	34.73	1.134	NO	8.0483e3	7.4877e5	1.250	-2.0	6.38	0.877	0.0560
5	1,2,3,7,8,9-HxCDD	35.03	1.217	NO	7.6564e3	7.4924e5	1.250	-6.5	8.86	0.874	0.0774
6	1,2,3,4,6,7,8-HpCDD	38.31	1.821	NO	6.5478e3	6.0817e5	1.250	-4.2	7.53	0.899	0.0677
7	OCDD	41.31	0.856	NO	1.1058e4	1.0908e6	2.500	-4.9	7.48	0.852	0.0638
8	2,3,7,8-TCDF	26.35	0.790	NO	3.8680e3	2.1654e6	0.250	-4.3	9.29	0.747	0.0693
9	1,2,3,7,8-PeCDF	30.10	1.521	NO	1.3395e4	1.3567e6	1.250	-9.9	8.18	0.877	0.0718
10	2,3,4,7,8-PeCDF	31.09	1.463	NO	1.6862e4	1.4573e6	1.250	-3.6	7.01	0.962	0.0675
11	1,2,3,4,7,8-HxCDF	33.67	1.172	NO	1.1296e4	1.0627e6	1.250	-7.6	8.23	0.920	0.0758
12	1,2,3,6,7,8-HxCDF	33.81	1.248	NO	1.1920e4	1.1097e6	1.250	-8.2	7.76	0.936	0.0727
13	1,2,3,4,6,7,8-HxCDF	34.50	1.224	NO	9.5902e3	8.6242e5	1.250	-8.5	8.41	0.973	0.0818



Regdb. 210414R1\_1 CAP NUM

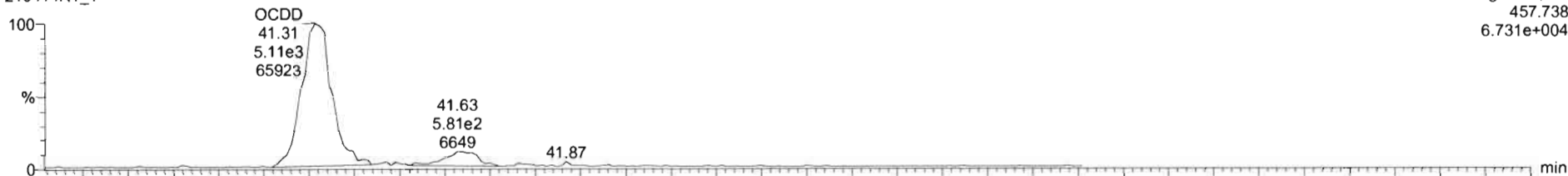
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

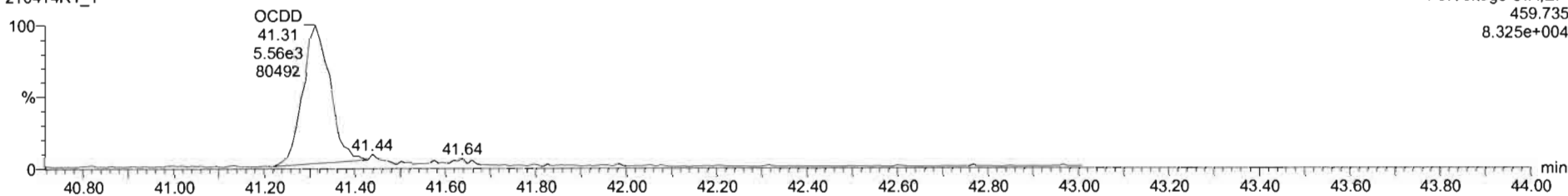
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**OCDD**

210414R1\_1

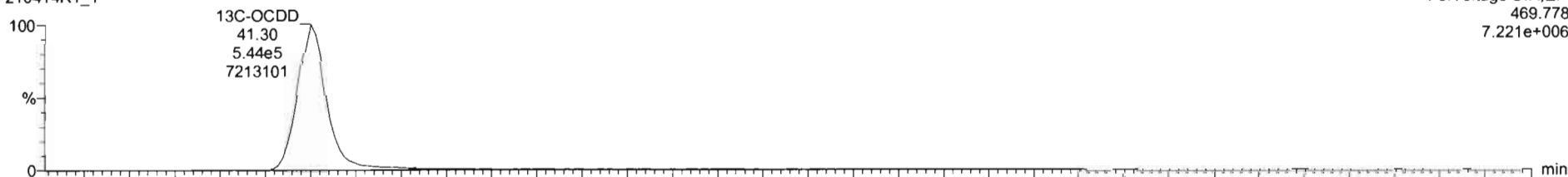


210414R1\_1

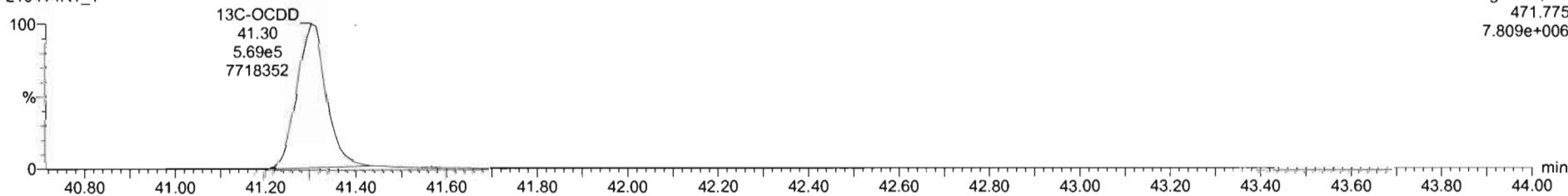


**13C-OCDD**

210414R1\_1



210414R1\_1

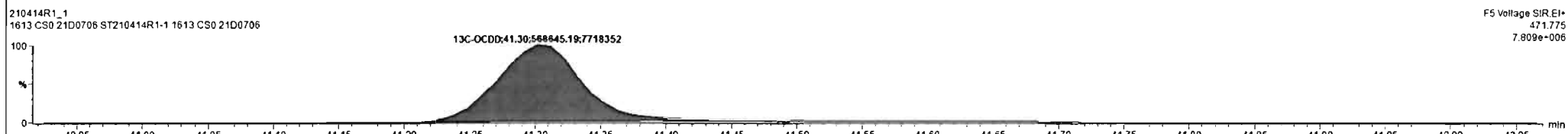
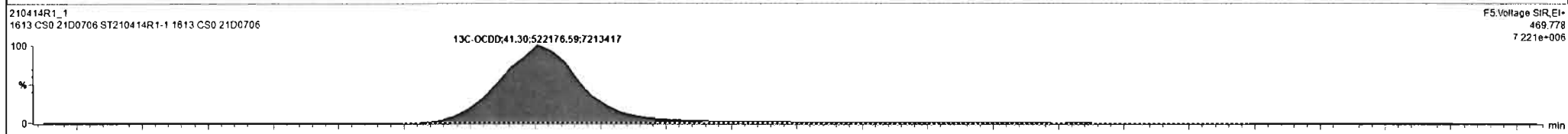
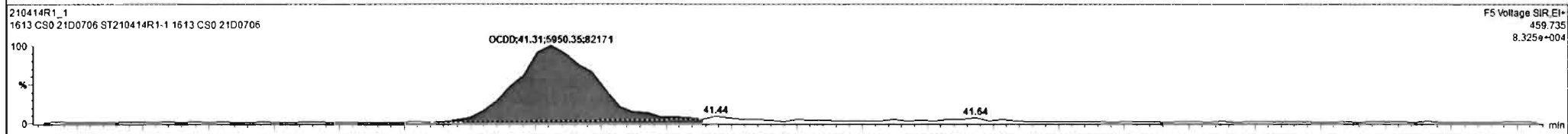
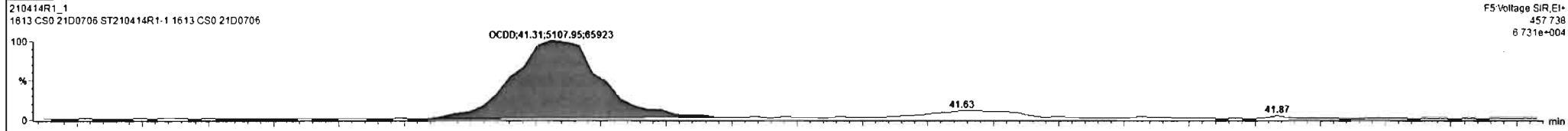


TargetLynx - 210414R1\_Chrv.qld - (Chromatogram)

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210414R1\_1 ST210414R1\_1 1613 CS0 21D0706 1613 CS0 21D0706

#	V	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	1	2,3,7,8-TCDD	26.94	0.693	NO	2.8075e3	1.3106e6	0.250	-7.8	8.93	0.929	0.0829
2	2	1,2,3,7,8-PeCDD	31.27	0.677	NO	1.0318e4	1.0270e6	1.250	-2.7	5.84	0.826	0.0482
3	3	1,2,3,4,7,8-HxCDD	34.61	1.233	NO	7.3941e3	6.5523e5	1.250	-7.2	8.87	0.972	0.0863
4	4	1,2,3,6,7,8-HxCDD	34.73	1.134	NO	8.0483e3	7.4877e5	1.250	-2.0	6.38	0.877	0.0560
5	5	1,2,3,7,8,9-HxCDD	35.03	1.217	NO	7.6564e3	7.4924e5	1.250	-6.5	8.86	0.874	0.0774
6	6	1,2,3,4,6,7,8-HpCDD	38.31	1.021	NO	6.5478e3	6.0817e5	1.250	-4.2	7.53	0.899	0.0677
7	7	OCDD	41.31	0.958	NO	1.1058e4	1.0908e5	2.500	-4.9	7.48	0.852	0.0638
8	8	2,3,7,8-TCDF	26.35	0.790	NO	3.8600e3	2.1654e6	0.250	-4.3	9.29	0.747	0.0693
9	9	1,2,3,7,8-PeCDF	30.10	1.521	NO	1.3395e4	1.3567e6	1.250	-9.9	8.18	0.877	0.0718
10	10	2,3,4,7,8-PeCDF	31.09	1.483	NO	1.6862e4	1.4573e6	1.250	-3.8	7.01	0.962	0.0675
11	11	1,2,3,4,7,8-HxCDF	33.67	1.172	NO	1.1296e4	1.0627e6	1.250	-7.6	8.23	0.920	0.0758
12	12	1,2,3,6,7,8-HxCDF	33.81	1.248	NO	1.1920e4	1.1097e6	1.250	-8.2	7.78	0.936	0.0727
13	13	2,3,4,6,7,8-HxCDF	34.50	1.224	NO	9.5902e3	8.6242e5	1.250	-6.5	8.41	0.973	0.0818



Regdb. 210414R1\_1 CAP NUM



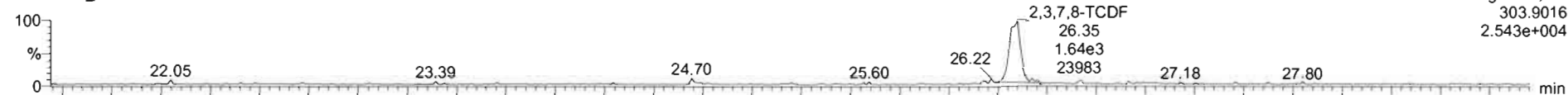
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

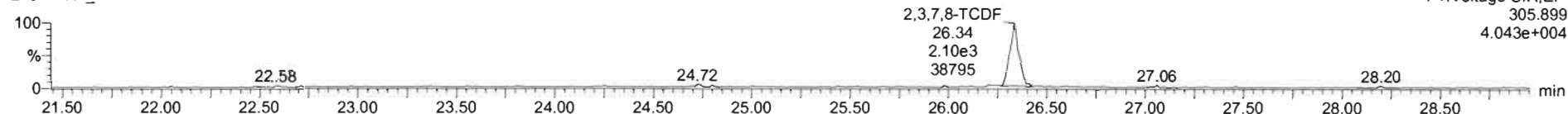
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**2,3,7,8-TCDF**

210414R1\_1

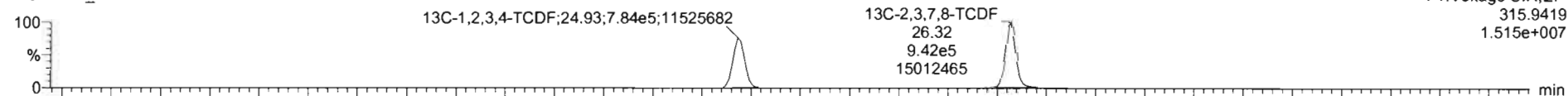


210414R1\_1

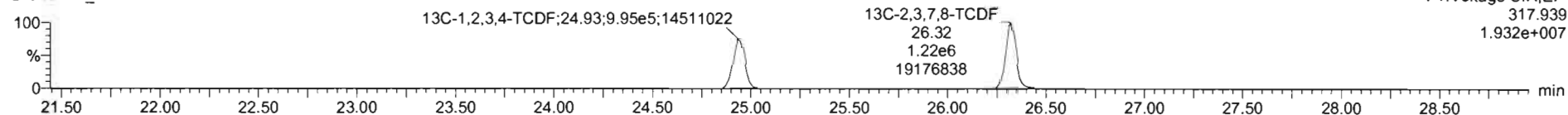


**13C-2,3,7,8-TCDF**

210414R1\_1

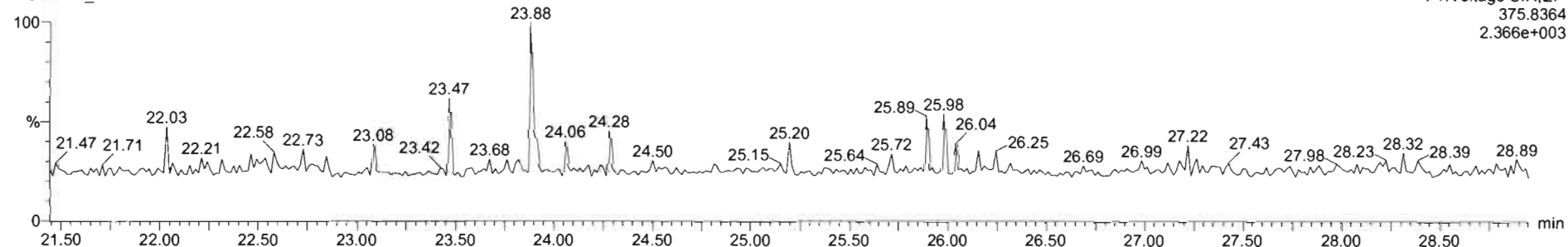


210414R1\_1



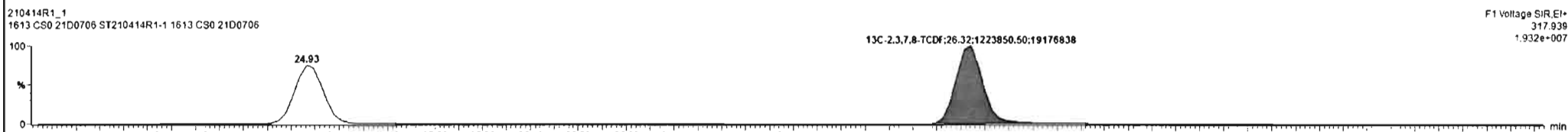
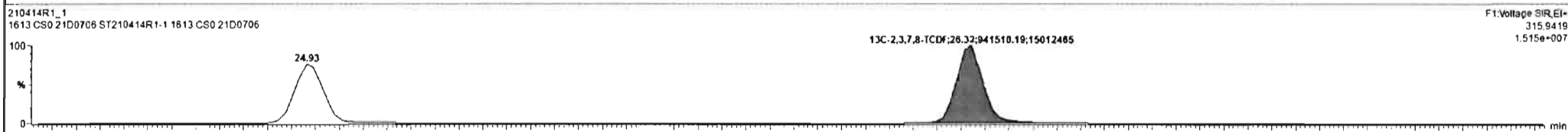
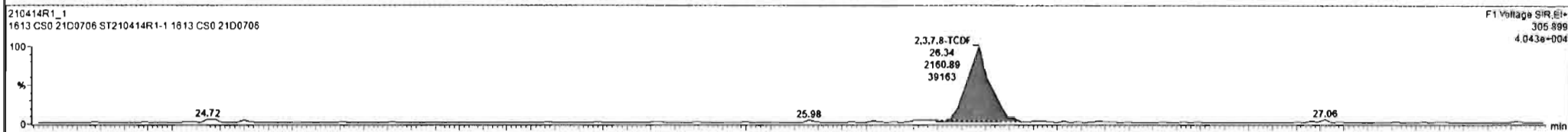
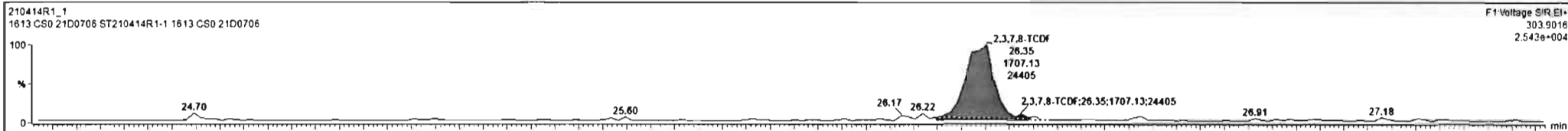
**DPE1**

210414R1\_1



210414R1\_1 - ST210414R1-1 1613 CS0 21D0706 1613 CS0 21D0706

#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	2,3,7,8-TCDD	26.94	0.693	NO	2.8075e3	1.3106e6	0.250	-7.8	8.93	0.929	0.0829
2	1,2,3,7,8-PeCDD	31.27	0.677	NO	1.0318e4	1.0270e6	1.250	-2.7	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.61	1.233	NO	7.3941e3	6.5523e5	1.250	-7.2	8.87	0.972	0.0863
4	1,2,3,6,7,8-HxCDD	34.73	1.134	NO	8.0483e3	7.4877e5	1.250	-2.0	6.38	0.877	0.0560
5	1,2,3,7,8,9-HxCDD	35.03	1.217	NO	7.6564e3	7.4924e5	1.250	-6.5	8.86	0.874	0.0774
6	1,2,3,4,6,7,8-HxCDD	38.31	1.021	NO	6.5478e3	6.0817e5	1.250	-4.2	7.53	0.899	0.0677
7	OCDD	41.31	0.858	NO	1.1058e4	1.0908e6	2.500	-4.9	7.48	0.852	0.0638
8	2,3,7,8-TCDF	26.35	0.796	NO	3.9650e3	2.1654e6	0.250	-4.3	8.28	0.747	0.0693
9	1,2,3,7,8-PeCDF	30.10	1.521	NO	1.3395e4	1.3567e6	1.250	-9.9	8.18	0.877	0.0718
10	2,3,4,7,8-PeCDF	31.09	1.483	NO	1.6862e4	1.4573e6	1.250	-3.8	7.01	0.962	0.0675
11	1,2,3,4,7,8-HxCDF	33.67	1.172	NO	1.1296e4	1.0627e6	1.250	-7.6	8.23	0.920	0.0758
12	1,2,3,6,7,8-HxCDF	33.81	1.248	NO	1.1920e4	1.1097e6	1.250	-8.2	7.76	0.936	0.0727
13	2,3,4,6,7,8-HxCDF	34.50	1.224	NO	9.5902e3	8.6242e5	1.250	-8.5	8.41	0.973	0.0818



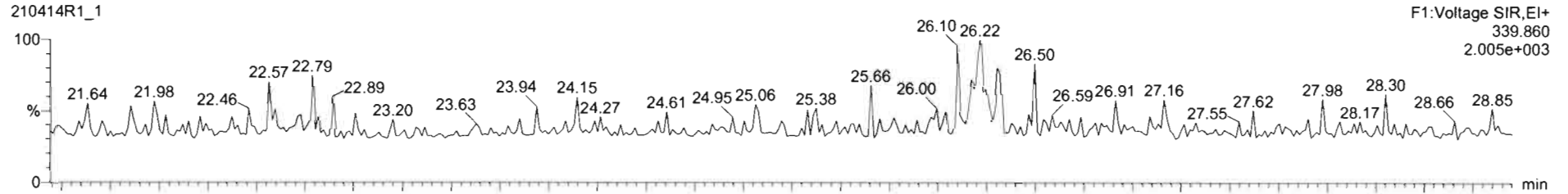
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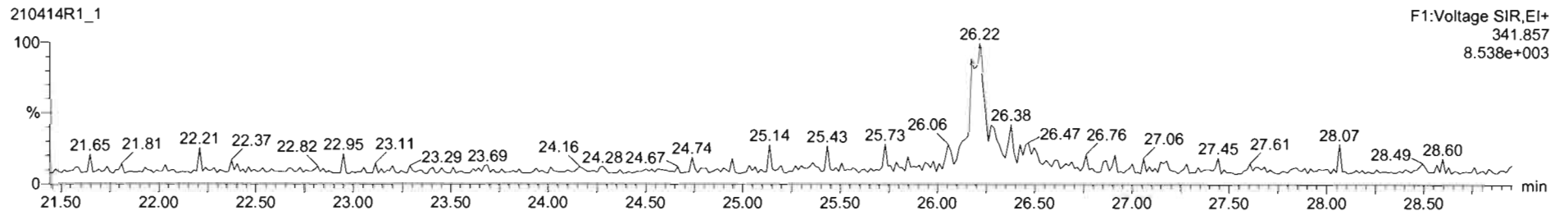
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1st Func. Penta-Furans

210414R1\_1

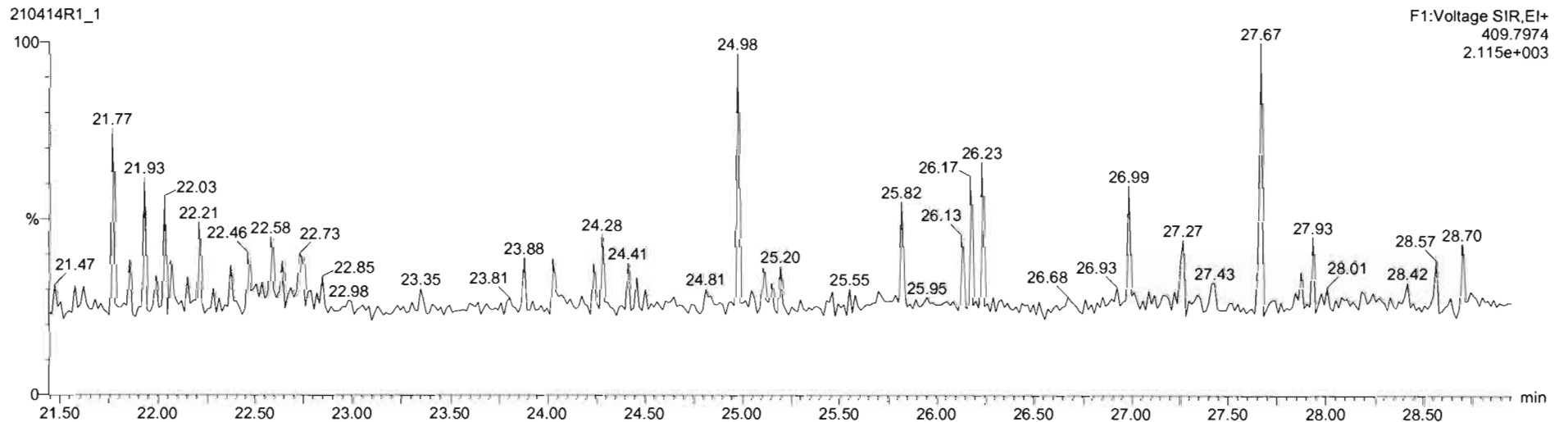


210414R1\_1



DPE6

210414R1\_1



Dataset: Untitled

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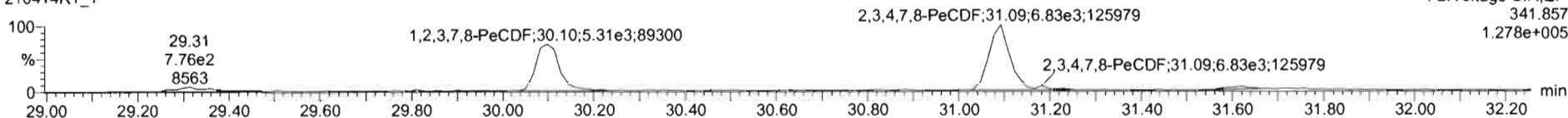
**1,2,3,7,8-PeCDF**

210414R1\_1



F2:Voltage SIR,EI+  
339.860  
1.867e+005

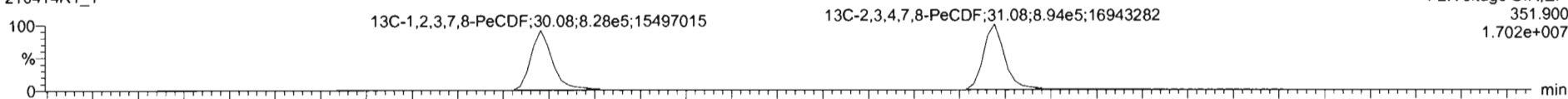
210414R1\_1



F2:Voltage SIR,EI+  
341.857  
1.278e+005

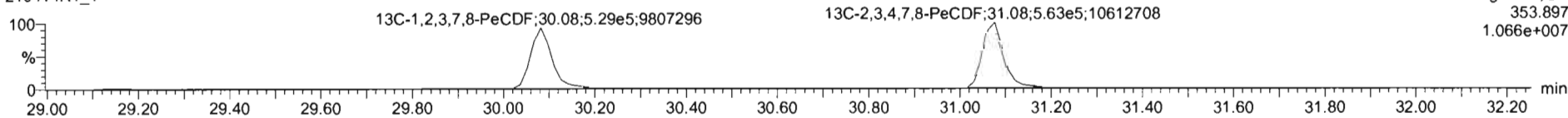
**13C-1,2,3,7,8-PeCDF**

210414R1\_1



F2:Voltage SIR,EI+  
351.900  
1.702e+007

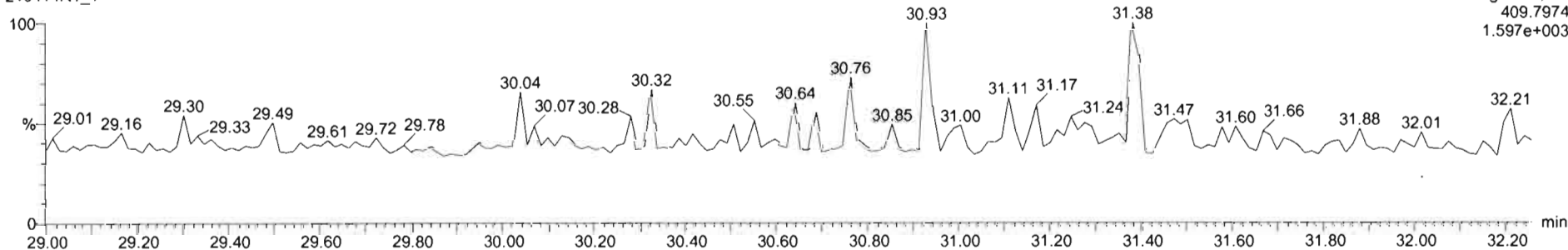
210414R1\_1



F2:Voltage SIR,EI+  
353.897  
1.066e+007

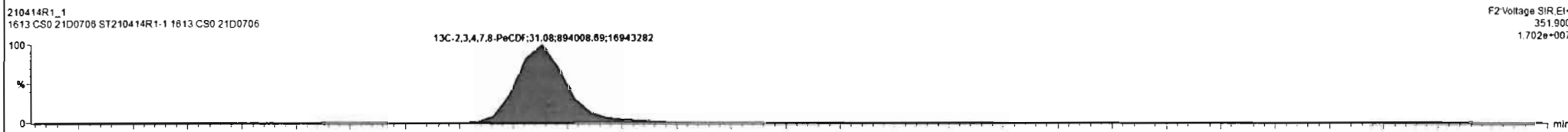
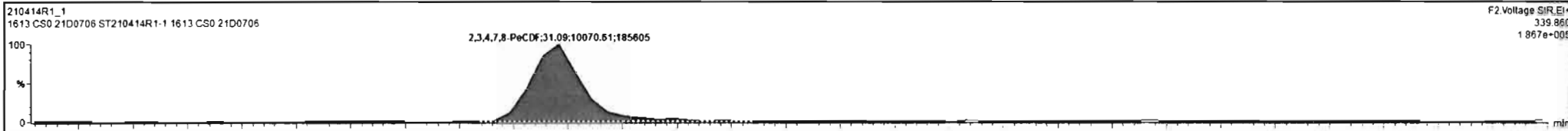
**DPE2**

210414R1\_1



F2:Voltage SIR,EI+  
409.7974  
1.597e+003

#	RT	Name	RA	Y/N	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
1	26.94	2,3,7,8-TCDD	0.693	NO	2.8075e3	1.3106e6	0.250	-7.8	8.93	0.929	0.0829
2	31.27	1,2,3,7,8-PeCDD	0.677	NO	1.0318e4	1.0270e6	1.250	-2.7	5.84	0.826	0.0482
3	34.61	1,2,3,4,7,8-HxCDD	1.233	NO	7.3941e3	6.5523e5	1.250	-7.2	8.87	0.972	0.0863
4	34.73	1,2,3,6,7,8-HxCDD	1.134	NO	8.0483e3	7.4877e5	1.250	-2.0	6.38	0.877	0.0560
5	35.03	1,2,3,7,8,9-HxCDD	1.217	NO	7.6564e3	7.4924e5	1.250	-6.5	8.86	0.874	0.0774
6	38.31	1,2,3,4,6,7,8-HxCDD	1.021	NO	6.5478e3	6.0817e5	1.250	-4.2	7.53	0.899	0.0677
7	41.31	OCDD	0.858	NO	1.1058e4	1.0908e6	2.500	-4.9	7.48	0.852	0.0638
8	28.35	2,3,7,8-TCDF	0.790	NO	3.8680e3	2.1654e6	0.250	-4.3	9.29	0.747	0.0693
9	30.10	1,2,3,7,8-PeCDF	1.521	NO	1.3395e4	1.3567e6	1.250	-9.9	8.18	0.877	0.0718
10	31.09	2,3,4,7,8-PeCDF	1.483	NO	1.8882e4	1.4573e6	1.250	-3.8	7.91	0.962	0.0675
11	33.67	1,2,3,4,7,8-HxCDF	1.172	NO	1.1296e4	1.0627e6	1.250	-7.6	8.23	0.920	0.0758
12	33.81	1,2,3,6,7,8-HxCDF	1.248	NO	1.1920e4	1.1097e6	1.250	-8.2	7.76	0.936	0.0727
13	34.50	2,3,4,6,7,8-HxCDF	1.224	NO	9.5902e3	8.6242e5	1.250	-8.5	8.41	0.973	0.0818



Regdx 210414R1\_1 CAP NUM

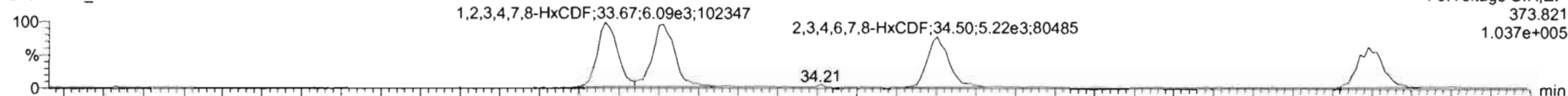
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

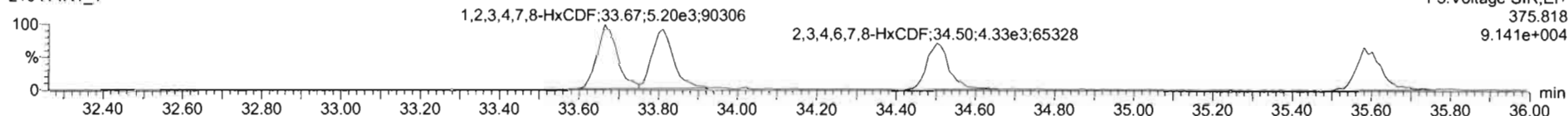
Name: 210414R1\_1, Date: 14-Apr-2021, Time: 09:44:53, ID: ST210414R1-1 1613 CS0 21D0706, Description: 1613 CS0 21D0706

**1,2,3,4,7,8-HxCDF**

210414R1\_1

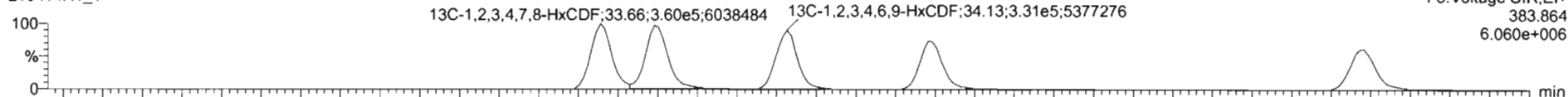


210414R1\_1

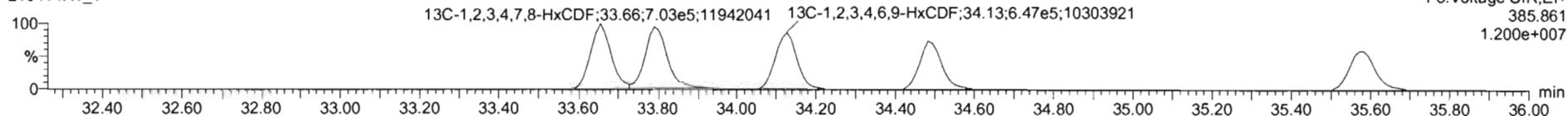


**13C-1,2,3,4,7,8-HxCDF**

210414R1\_1

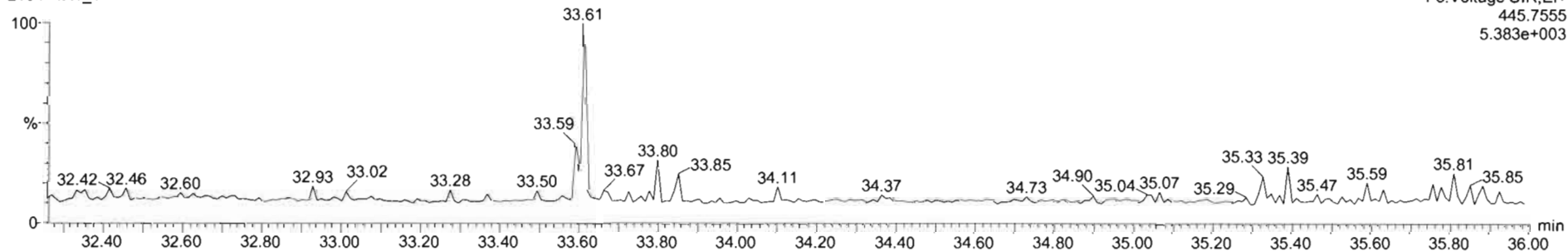


210414R1\_1



**DPE3**

210414R1\_1

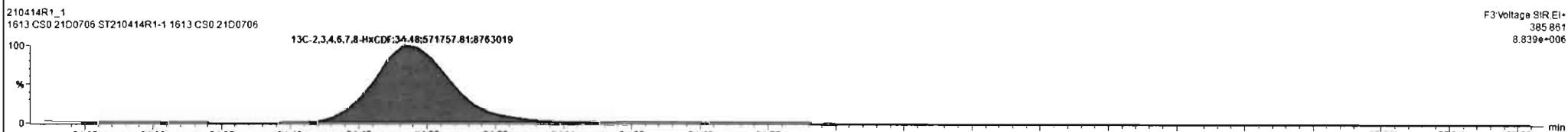
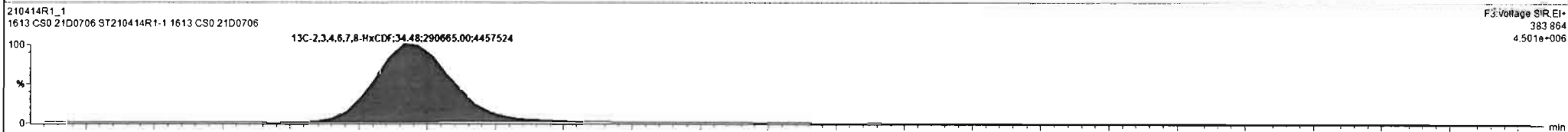
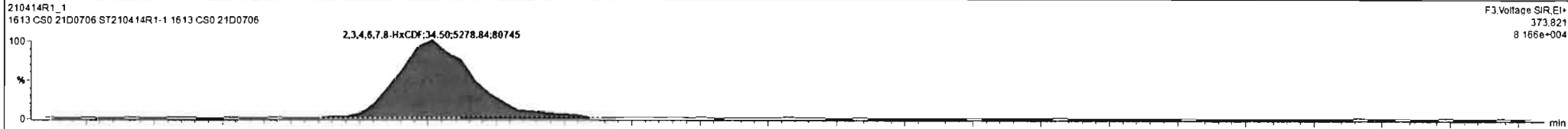


TargetLynx - 210414R1\_ChrV.qtd - [Chromatogram]

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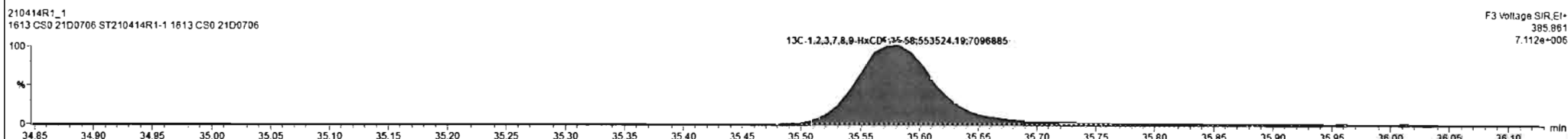
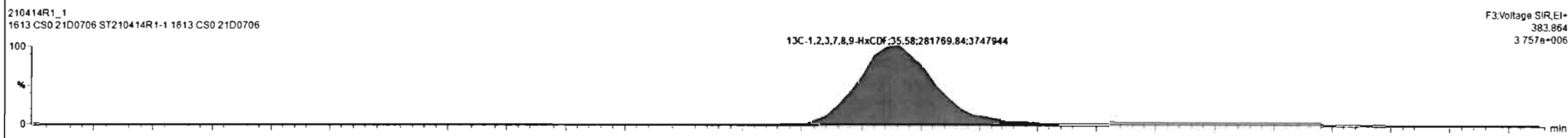
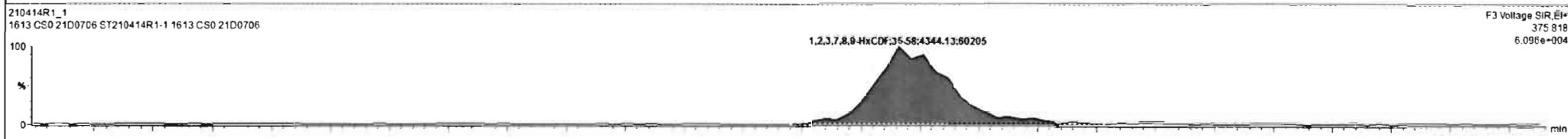
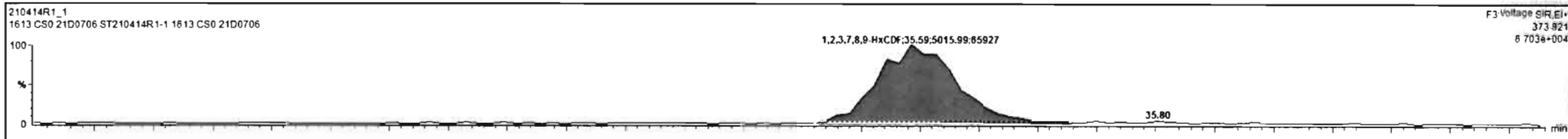
210414R1\_1 ST210414R1-1 1613 CS0 21D0706 - 1613 CS0 21D0706

#	Name	RT	RA	Y/N	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
1	2,3,7,8-TCDD	26.94	0.693	NO	2.8075e3	1.3106e6	0.250	-7.8	6.93	0.929	0.0829
2	1,2,3,7,8-PeCDD	31.27	0.677	NO	1.0318e4	1.0270e6	1.250	-2.7	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.61	1.233	NO	7.3941e3	6.5523e5	1.250	-7.2	6.87	0.972	0.0863
4	1,2,3,6,7,8-HxCDD	34.73	1.134	NO	6.0483e3	7.4877e5	1.250	-2.0	6.38	0.877	0.0560
5	1,2,3,7,8,9-HxCDD	35.03	1.217	NO	7.6564e3	7.4924e5	1.250	-6.5	8.86	0.874	0.0774
6	1,2,3,4,6,7,8-HpCDD	38.31	1.021	NO	6.5478e3	6.0817e5	1.250	-4.2	7.53	0.899	0.0677
7	OCDD	41.31	0.858	NO	1.1058e4	1.0908e6	2.500	-4.9	7.46	0.852	0.0638
8	2,3,7,8-TCDF	26.35	0.790	NO	3.8680e3	2.1654e6	0.250	-4.3	9.29	0.747	0.0693
9	1,2,3,7,8-PeCDF	30.10	1.521	NO	1.3395e4	1.3567e6	1.250	-9.9	8.18	0.877	0.0718
10	2,3,4,7,8-PeCDF	31.09	1.483	NO	1.6882e4	1.4573e6	1.250	-3.8	7.01	0.962	0.0675
11	1,2,3,4,7,8-HxCDF	33.67	1.172	NO	1.1296e4	1.0627e6	1.250	-7.6	8.23	0.920	0.0758
12	1,2,3,6,7,8-HxCDF	33.81	1.248	NO	1.1920e4	1.1097e6	1.250	-8.2	7.78	0.936	0.0727
13	2,3,4,6,7,8-HxCDF	34.50	1.224	NO	6.5902e3	6.6249e5	1.250	-8.5	8.41	0.973	0.0818



Repxd 210414R1\_1 CAP NUM

#	Name	RT	RA	ym	Area	IS Area	Std Conc	NDev	N/RSD	RRF M	RRF SD
14	1,2,3,7,8,9-HxCDF	35.59	1.156	NO	9.3601e3	8.3529e5	1.259	-4.6	8.34	0.940	0.0784
15	1,2,3,4,6,7,8-HpCDF	37.17	1.018	NO	7.3127e3	6.0094e5	1.250	-7.1	8.33	1.05	0.0873
16	1,2,3,4,7,8,9-HpCDF	38.95	0.919	NO	6.4893e3	5.3180e5	1.250	-6.6	8.40	1.05	0.0879
17	OCDF	41.65	0.893	NO	1.2322e4	1.3632e6	2.500	-6.2	7.94	0.771	0.0612
18	13C-2,3,7,8-TCDD	26.91	0.781	NO	1.3106e6	1.3704e6	100.000	-13.4	8.43	1.10	0.0930
19	13C-1,2,3,7,8-PeCDD	31.24	0.636	NO	1.0270e6	1.3704e6	100.000	-13.2	10.5	0.864	0.0903
20	13C-1,2,3,4,7,8-HxCDD	34.59	1.283	NO	6.5523e5	9.7746e5	100.000	-10.2	8.73	0.746	0.0651
21	13C-1,2,3,6,7,8-HxCDD	34.72	1.294	NO	7.4877e5	9.7746e5	100.000	-9.5	9.12	0.847	0.0773
22	13C-1,2,3,7,8,9-HxCDD	35.02	1.259	NO	7.4924e5	9.7746e5	100.000	-11.7	8.65	0.868	0.0751
23	13C-1,2,3,4,6,7,8-HpCDD	38.28	1.036	NO	6.0817e5	9.7746e5	100.000	-6.3	10.1	0.664	0.0671
24	13C-OCDD	41.30	0.918	NO	1.0908e6	9.7746e5	200.000	-0.5	9.52	0.561	0.0534
25	13C-2,3,7,8-TCDF	26.32	0.769	NO	2.1654e6	1.7790e6	100.000	11.3	5.78	1.09	0.0632
26	13C-1,2,3,7,8-PeCDF	30.08	1.585	NO	1.3567e6	1.7790e6	100.000	-5.8	6.47	0.809	0.0524



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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

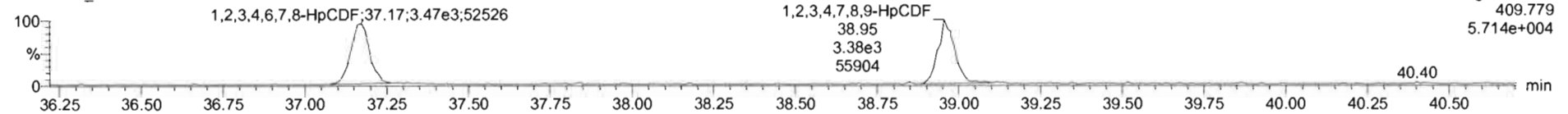
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**1,2,3,4,6,7,8-HpCDF**

210414R1\_1

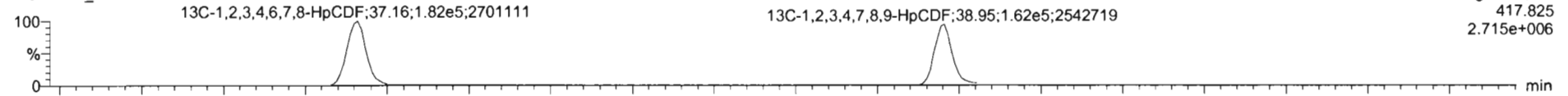


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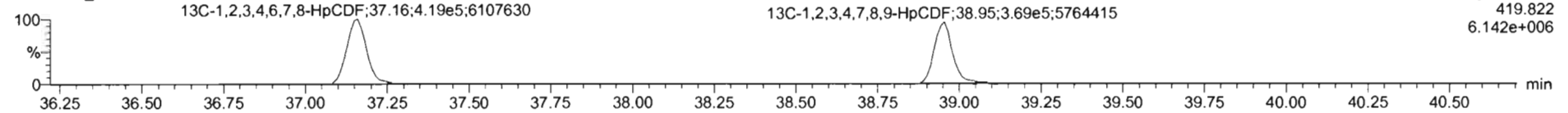


**13C-1,2,3,4,6,7,8-HpCDF**

210414R1\_1

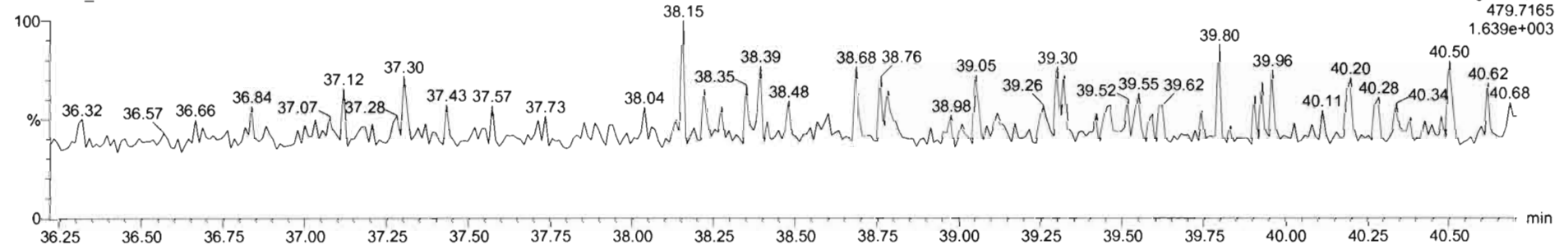


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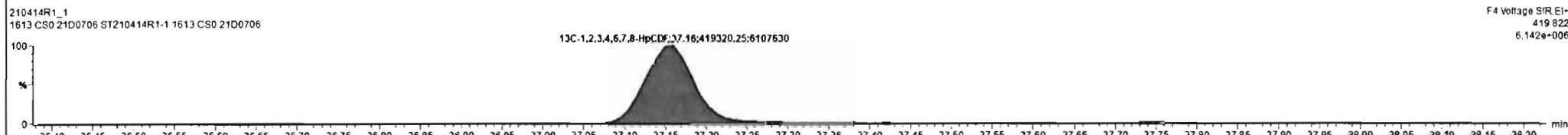
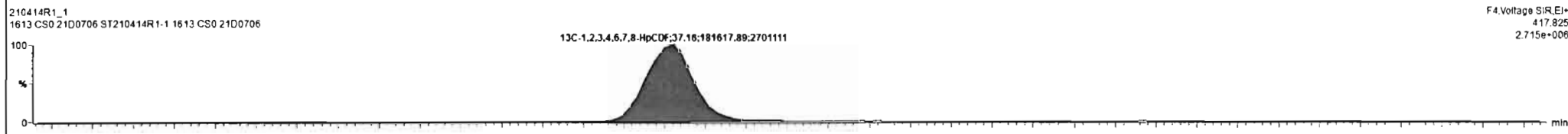
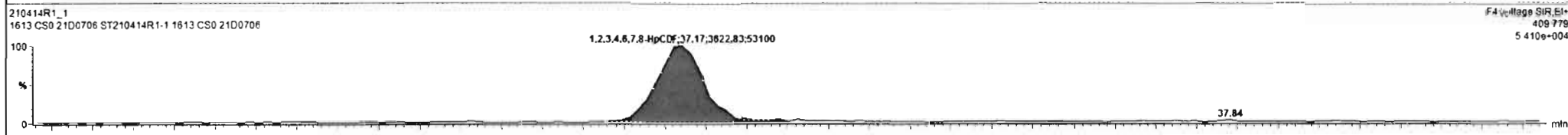
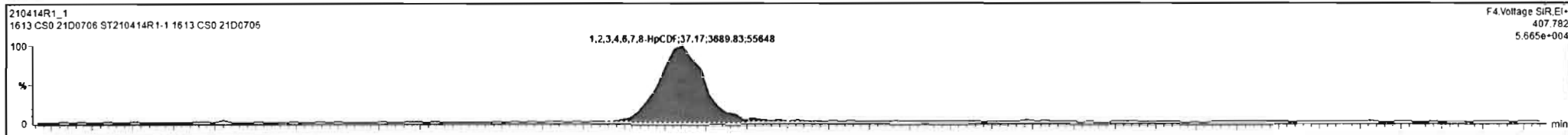


**DPE4**

210414R1\_1



#	Name	RT	RA	Y/N	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
14	1,2,3,7,8,9-HxCDF	35.59	1.155	NO	9.3601e3	8.3529e5	1.250	-4.6	8.34	0.940	0.0784
15	1,2,3,4,6,7,8-HpCDF	37.17	1.016	NO	7.3127e3	6.0094e5	1.250	-7.1	8.33	1.05	0.0873
16	1,2,3,4,7,8,9-HpCDF	38.95	0.919	NO	6.4893e3	5.3180e5	1.250	-8.8	8.40	1.05	0.0879
17	OCDF	41.65	0.893	NO	1.2322e4	1.3632e6	2.500	-5.2	7.94	0.771	0.0612
18	13C-2,3,7,8-TCDD	26.91	0.781	NO	1.3106e6	1.3704e6	100.000	-13.4	8.43	1.10	0.0930
19	13C-1,2,3,7,8-PeCDD	31.24	0.638	NO	1.0270e6	1.3704e6	100.000	-13.2	10.5	0.864	0.0903
20	13C-1,2,3,4,7,8-HxCDD	34.59	1.283	NO	6.5523e5	9.7746e5	100.000	-10.2	8.73	0.746	0.0651
21	13C-1,2,3,6,7,8-HxCDD	34.72	1.294	NO	7.4877e5	9.7746e5	100.000	-9.5	9.12	0.847	0.0773
22	13C-1,2,3,7,8,9-HxCDD	35.02	1.259	NO	7.4924e5	9.7746e5	100.000	-11.7	8.65	0.868	0.0751
23	13C-1,2,3,4,6,7,8-HpCDD	38.28	1.036	NO	6.0817e5	9.7746e5	100.000	-6.3	10.1	0.664	0.0671
24	13C-OCDD	41.30	0.918	NO	1.0908e6	9.7746e5	200.000	-0.5	9.52	0.561	0.0534
25	13C-2,3,7,8-TCDF	26.32	0.769	NO	2.1654e6	1.7790e6	100.000	11.3	5.78	1.09	0.0632
26	13C-1,2,3,7,8-PeCDF	30.08	1.565	NO	1.3567e6	1.7790e6	100.000	-5.8	6.47	0.899	0.0524

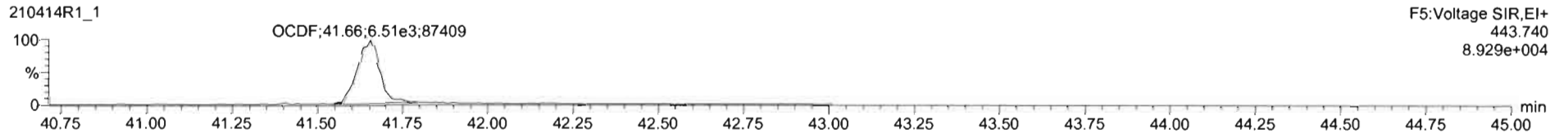
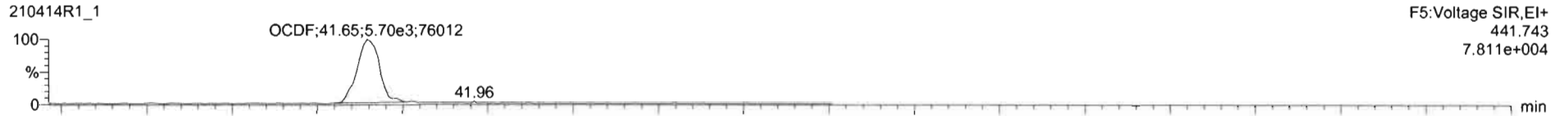


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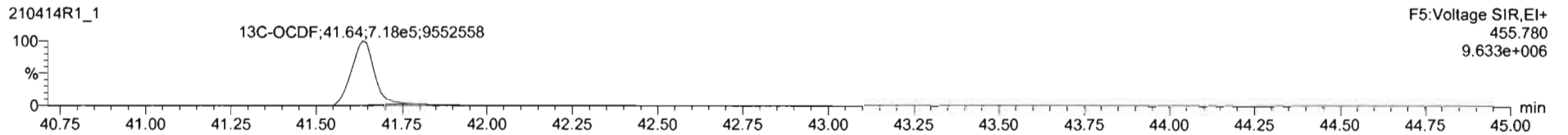
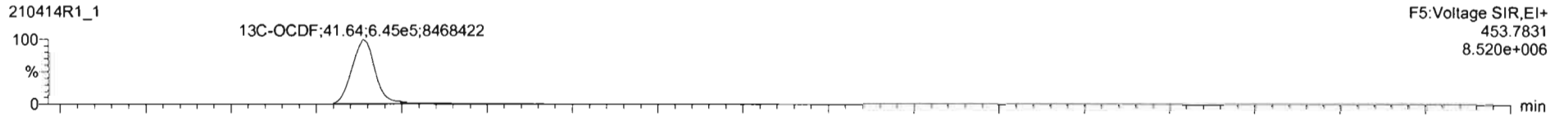
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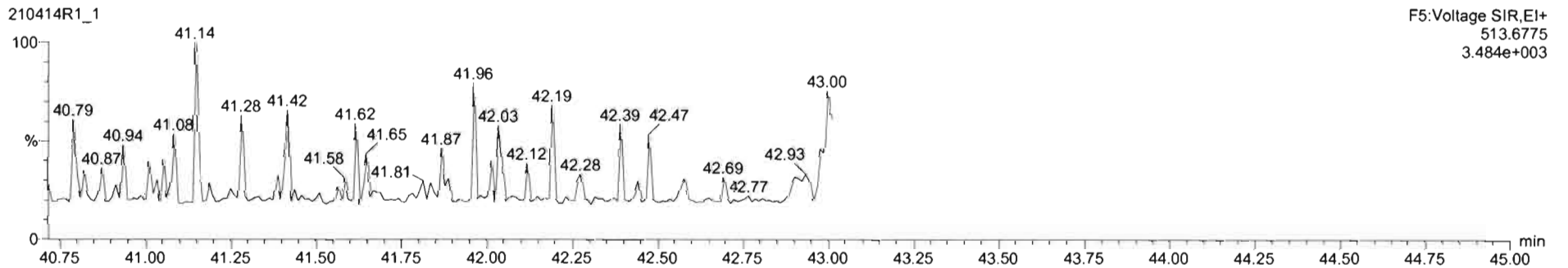
**OCDF**



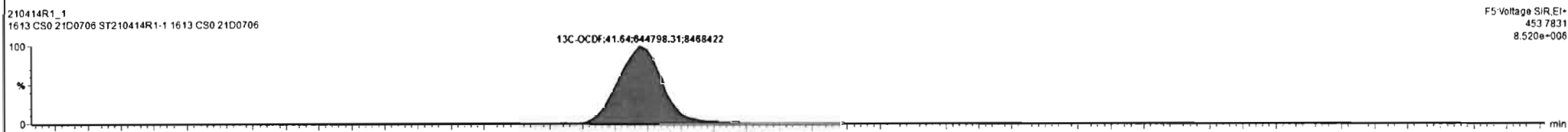
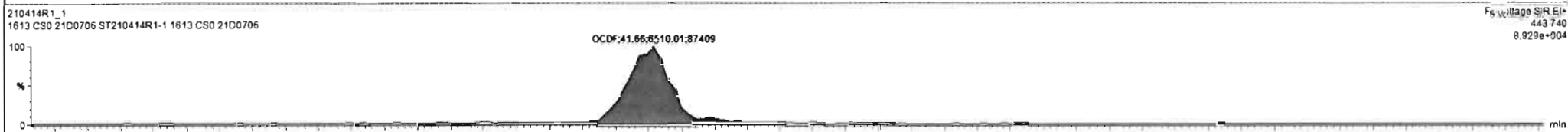
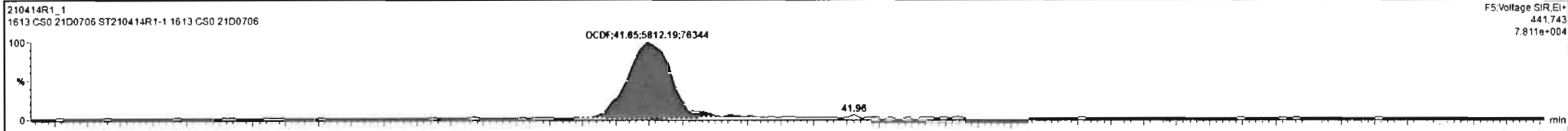
**13C-OCDF**



**DPE5**



#	Name	RT	SA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
14	1,2,3,7,8,9-HxCDF	35.59	1.155	NO	8.9601e3	8.3529e5	1.250	-4.6	8.34	0.940	0.0784
15	1,2,3,4,6,7,8-HpCDF	37.17	1.018	NO	7.3127e3	6.0094e5	1.250	-7.1	8.33	1.05	0.0873
16	1,2,3,4,7,8,9-HpCDF	38.95	0.919	NO	6.4893e3	5.3180e5	1.250	-6.6	8.40	1.05	0.0879
17	OCDF	41.65	0.880	NO	1.2322e4	1.3632e6	2.500	-6.2	7.94	0.771	0.0612
18	13C-2,3,7,8-TCDD	26.91	0.781	NO	1.3106e6	1.3704e6	100.000	-13.4	8.43	1.10	0.0930
19	13C-1,2,3,7,8-PeCDD	31.24	0.638	NO	1.0270e6	1.3704e6	100.000	-13.2	10.5	0.864	0.0903
20	13C-1,2,3,4,7,8-HxCDD	34.59	1.283	NO	6.5523e5	9.7746e5	100.000	-10.2	8.73	0.746	0.0651
21	13C-1,2,3,6,7,8-HxCDD	34.72	1.294	NO	7.4877e5	9.7746e5	100.000	-9.5	9.12	0.847	0.0773
22	13C-1,2,3,7,8,9-HxCDD	35.02	1.259	NO	7.4924e5	9.7746e5	100.000	-11.7	8.65	0.868	0.0751
23	13C-1,2,3,4,6,7,8-HpCDD	38.28	1.038	NO	6.0817e5	9.7746e5	100.000	-6.3	10.1	0.664	0.0671
24	13C-OCDD	41.30	0.918	NO	1.0908e6	9.7746e5	200.000	-0.5	9.52	0.561	0.0534
25	13C-2,3,7,8-TCDF	26.32	0.769	NO	2.1654e6	1.7790e6	100.000	11.3	5.78	1.09	0.0632
26	13C-1,2,3,7,8-PeCDF	30.08	1.565	NO	1.3567e6	1.7790e6	100.000	-5.8	6.47	0.809	0.0524

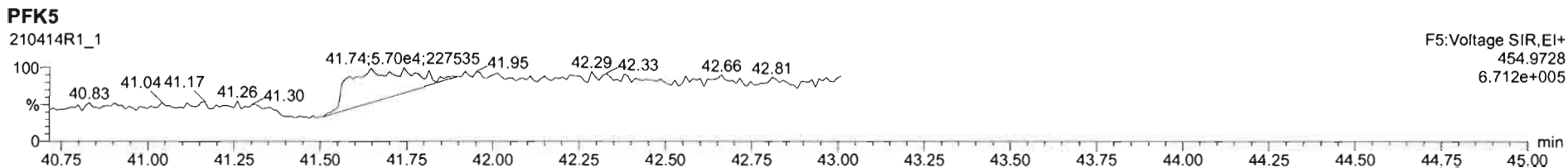
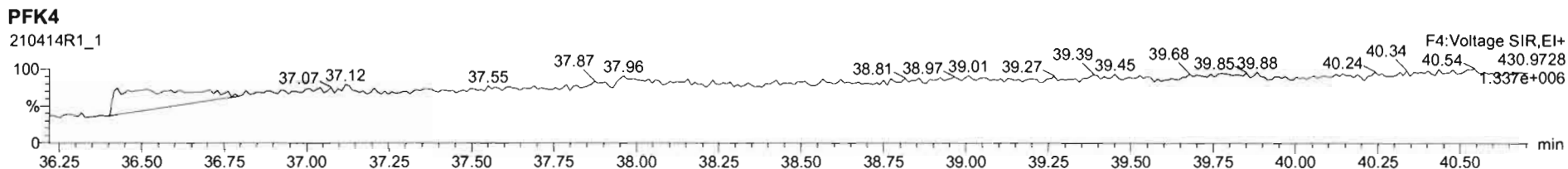
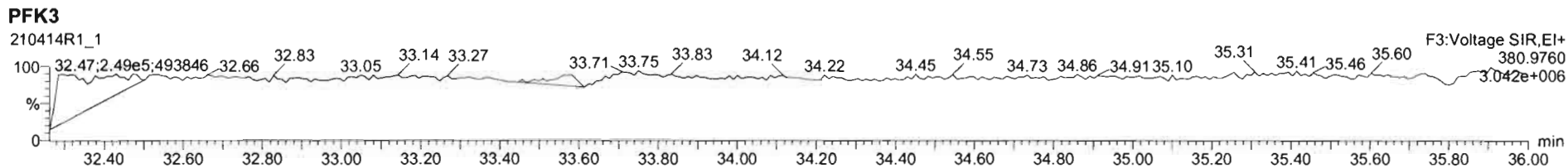
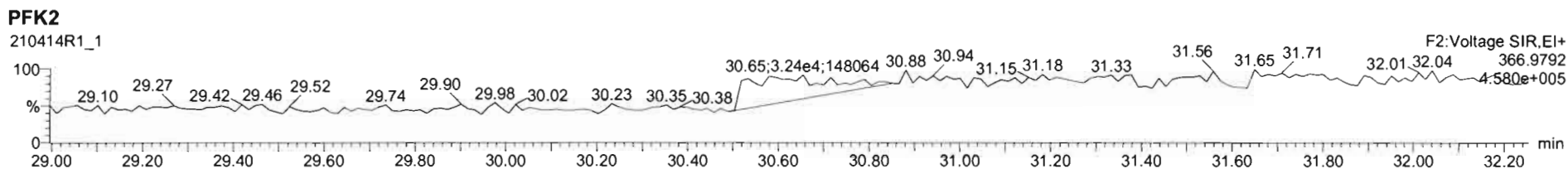
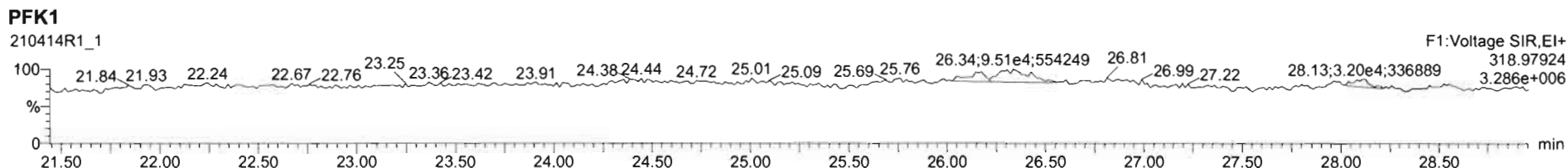


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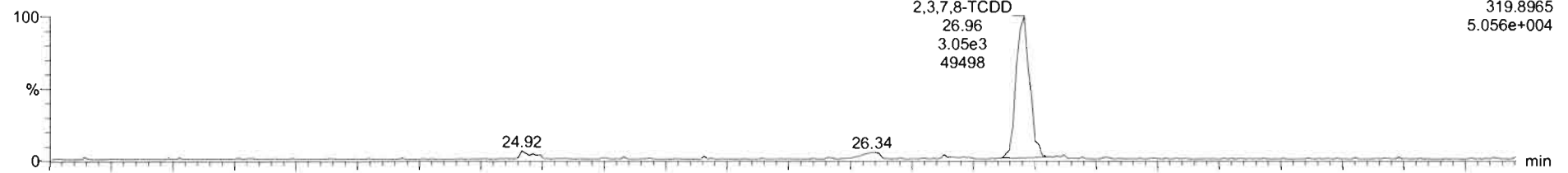
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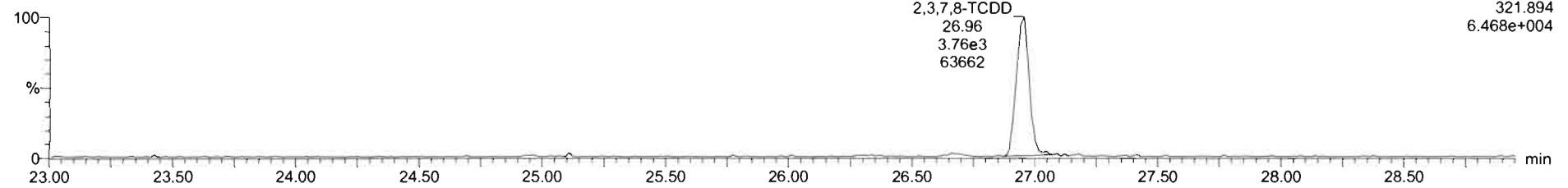
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2,3,7,8-TCDD

210414R1\_2

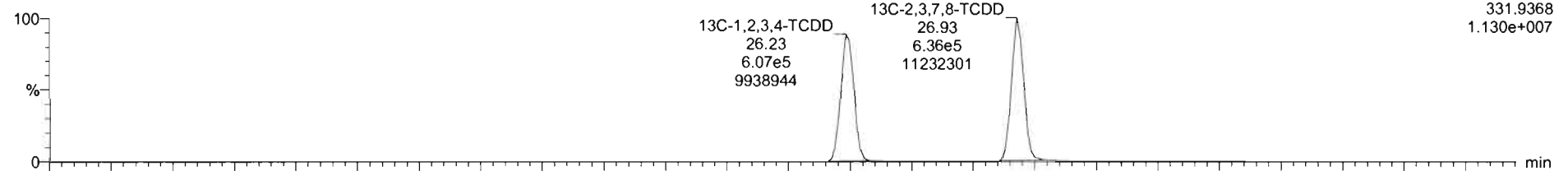


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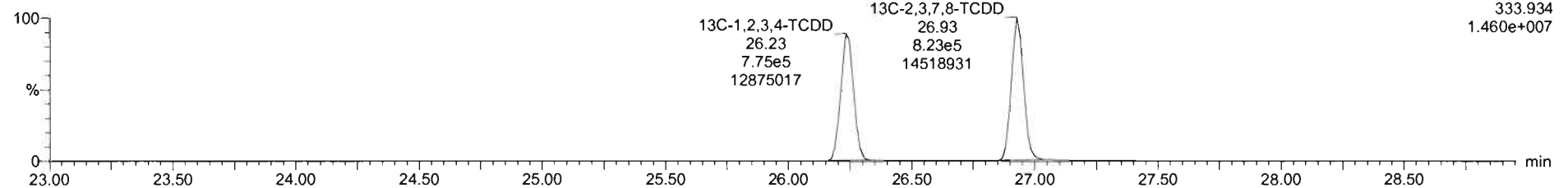


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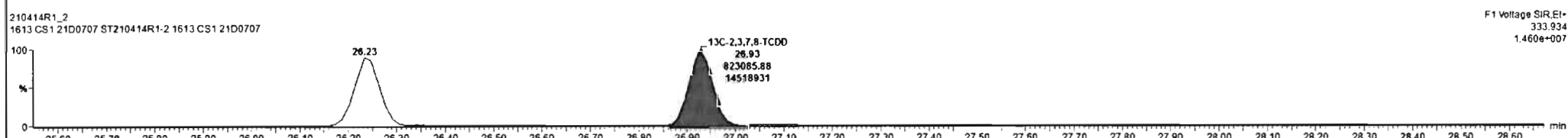
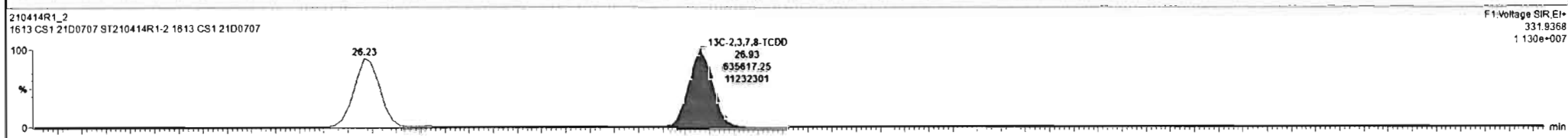
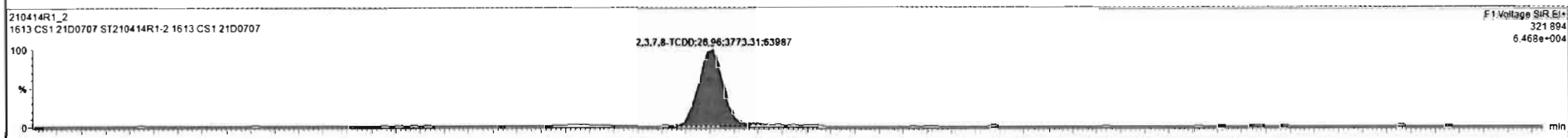
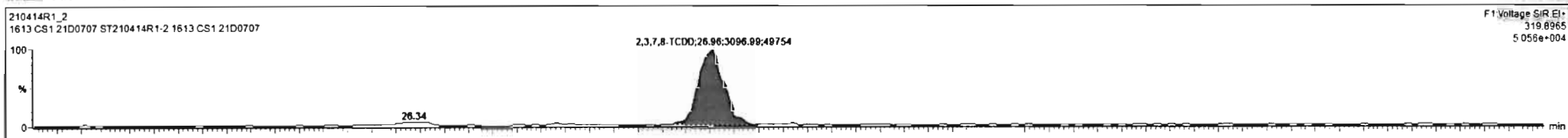
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210414R1\_2



#	Name	RT	RA	Y/N	Area	IS Area	Std. Conc.	%Dev	NRSD	RRF M	RRF SD
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2	1,2,3,7,8-PeCDD	31.27	0.601	NO	2.3749e4	1.1607e6	2.500	-0.9	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.62	1.227	NO	1.6474e4	7.1077e5	2.500	-4.7	8.87	0.972	0.0863
4	1,2,3,6,7,8-HxCDD	34.76	1.238	NO	1.7068e4	8.0285e5	2.500	-3.0	6.38	0.877	0.0560
5	1,2,3,7,8,9-HxCDD	35.04	1.292	NO	1.8427e4	8.9031e5	2.500	-5.3	6.86	0.874	0.0774
6	1,2,3,4,6,7,8-HpCDD	36.32	1.024	NO	1.7166e4	7.7045e5	2.500	-0.8	7.53	0.899	0.0677
7	OCDD	41.33	0.885	NO	2.5970e4	1.2727e6	5.000	-4.2	7.48	0.852	0.0638
8	2,3,7,8-TCDF	26.35	0.713	NO	7.3380e3	2.1336e6	0.500	-7.9	9.29	0.747	0.0693
9	1,2,3,7,8-PeCDF	30.11	1.549	NO	3.3701e4	1.5774e6	2.500	-2.6	8.18	0.877	0.0718
10	2,3,4,7,8-PeCDF	31.11	1.579	NO	3.6894e4	1.6094e6	2.500	-4.7	7.01	0.962	0.0675
11	1,2,3,4,7,8-HxCDF	33.69	1.183	NO	2.3321e4	1.0641e6	2.500	-4.7	8.23	0.920	0.0758
12	1,2,3,6,7,8-HxCDF	33.82	1.211	NO	2.4894e4	1.1017e6	2.500	-3.5	7.76	0.936	0.0727
13	2,3,4,6,7,8-HxCDF	34.52	1.248	NO	2.1357e4	9.2017e5	2.500	-4.5	6.41	0.973	0.0818



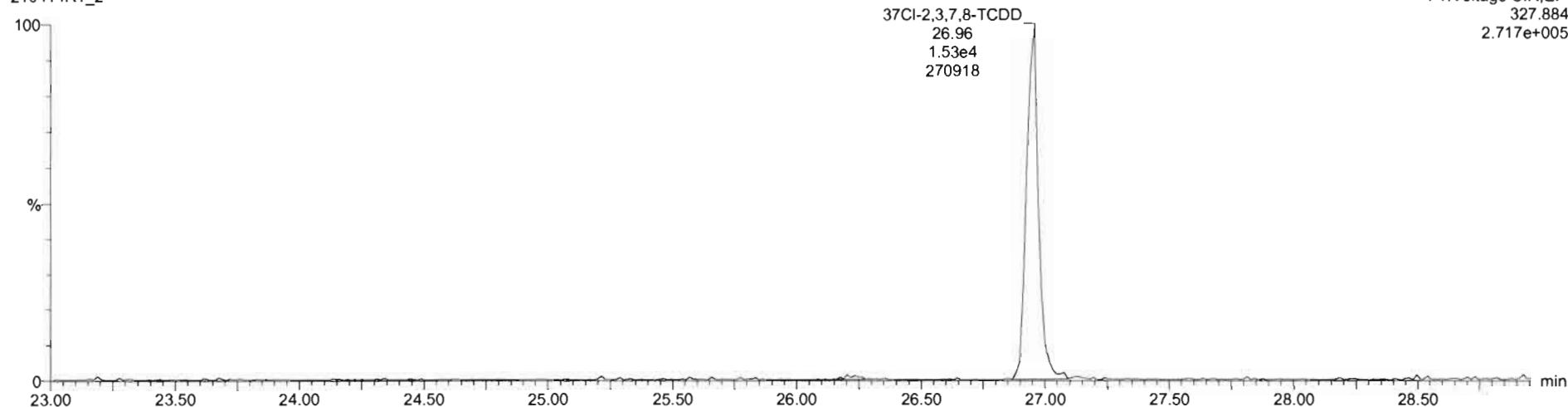
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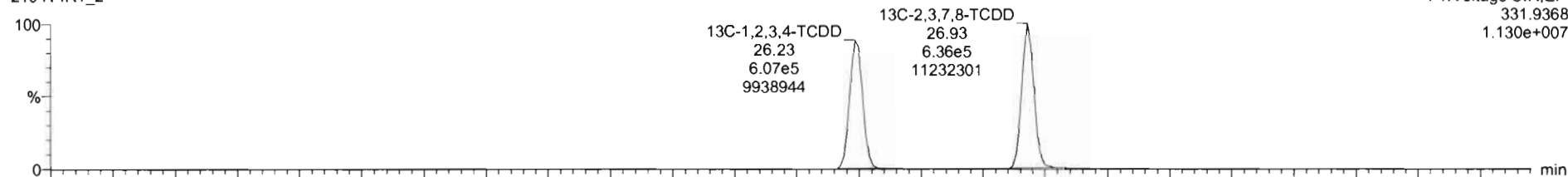
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210414R1\_2

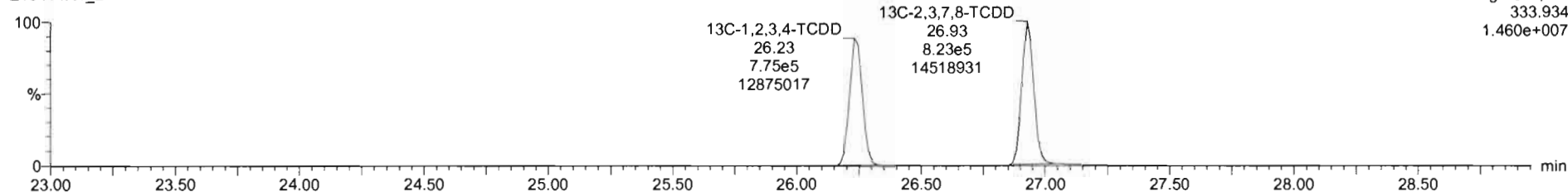


13C-1,2,3,4-TCDD

210414R1\_2



210414R1\_2





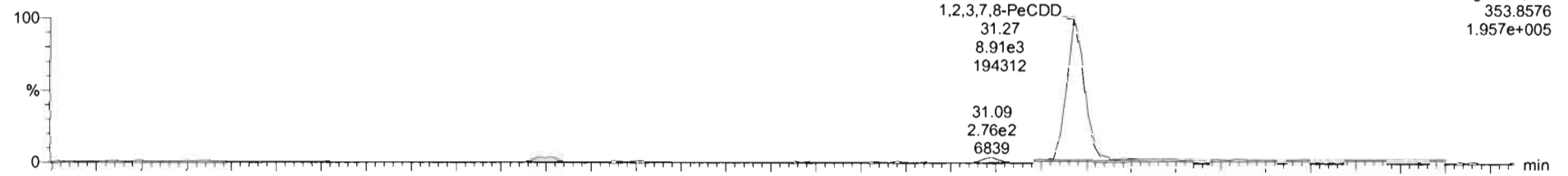
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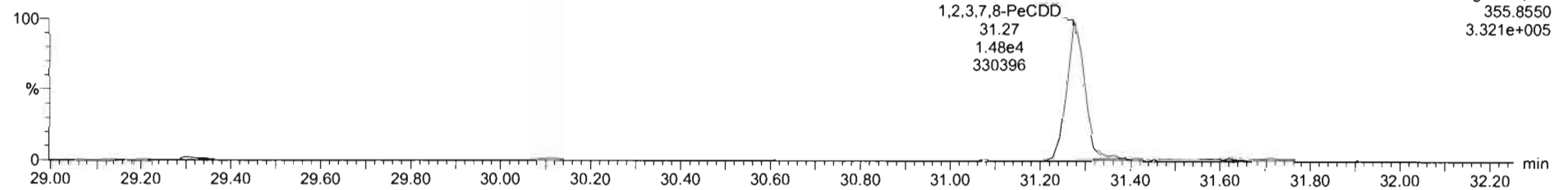
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**1,2,3,7,8-PeCDD**

210414R1\_2

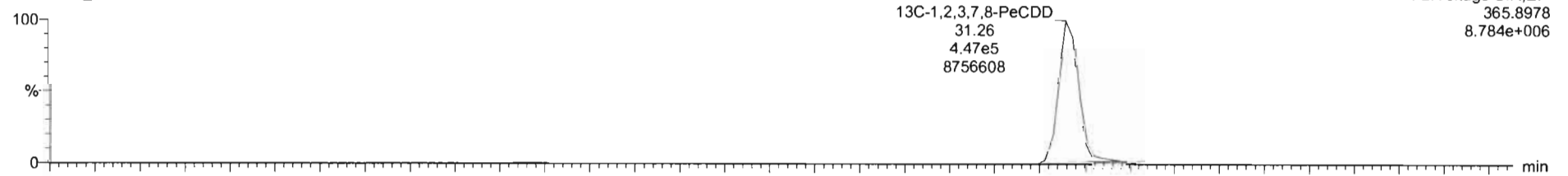


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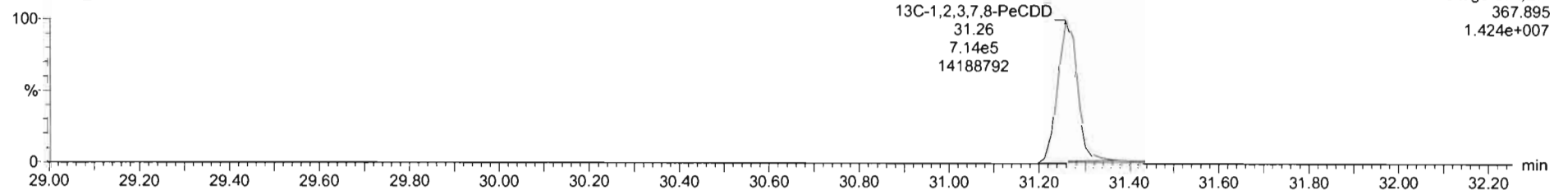


**13C-1,2,3,7,8-PeCDD**

210414R1\_2



210414R1\_2



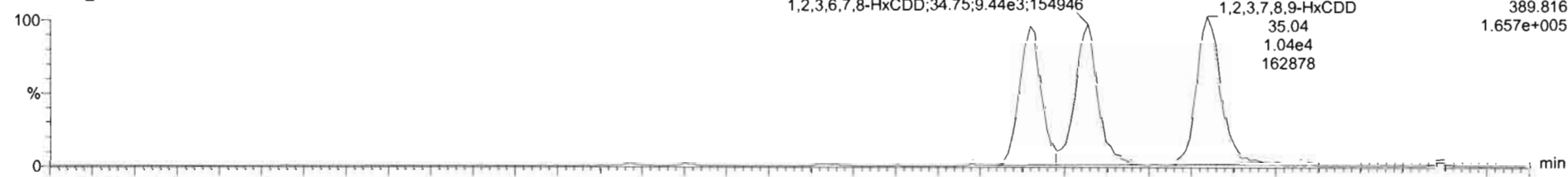
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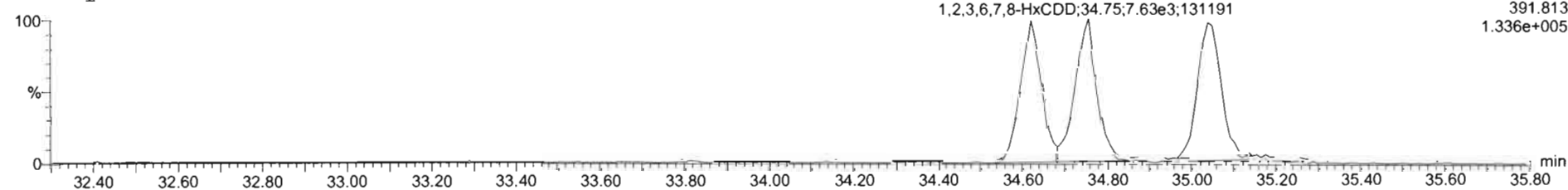
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**1,2,3,4,7,8-HxCDD**

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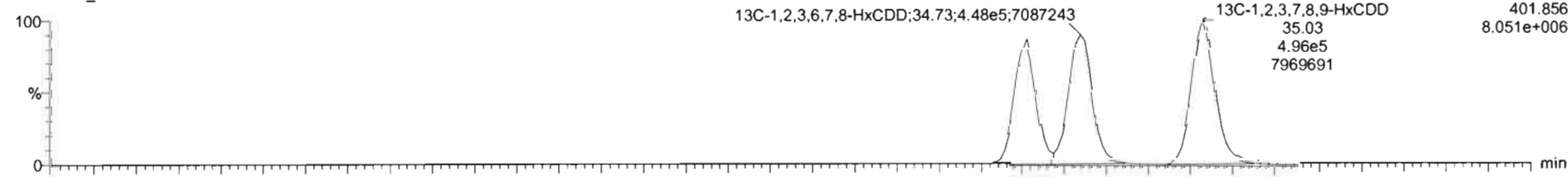


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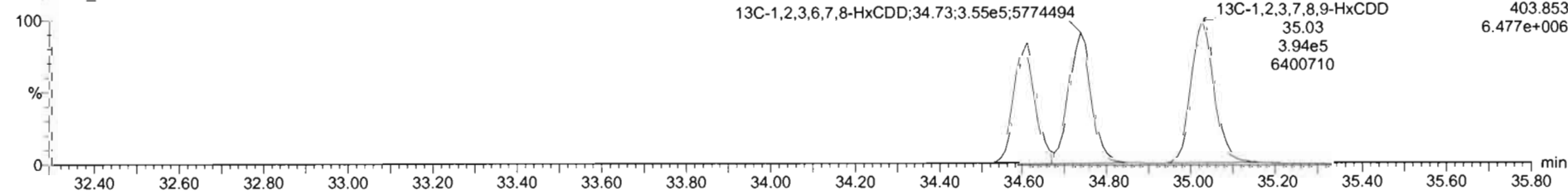


**13C-1,2,3,4,7,8-HxCDD**

210414R1\_2



210414R1\_2



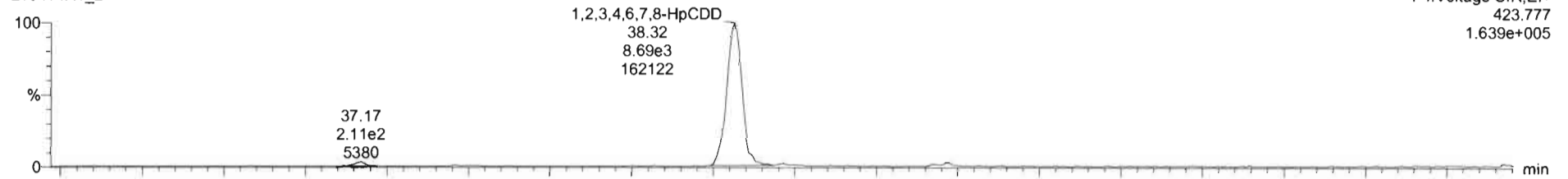
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

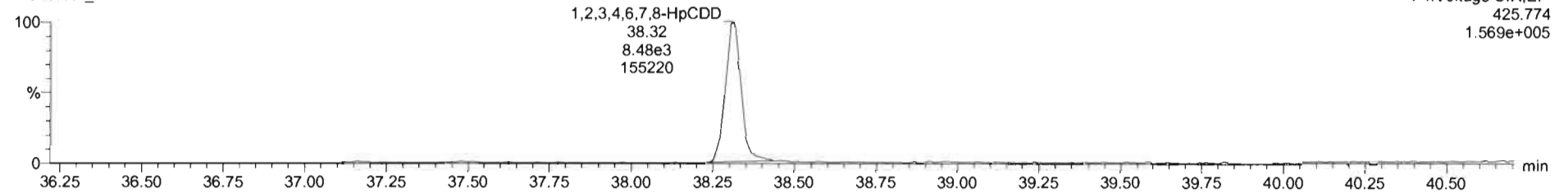
Name: 210414R1\_2, Date: 14-Apr-2021, Time: 10:37:34, ID: ST210414R1-2 1613 CS1 21D0707, Description: 1613 CS1 21D0707

**1,2,3,4,6,7,8-HpCDD**

210414R1\_2

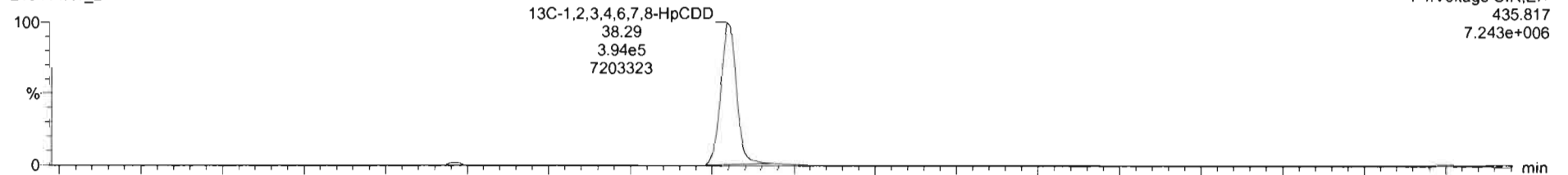


210414R1\_2

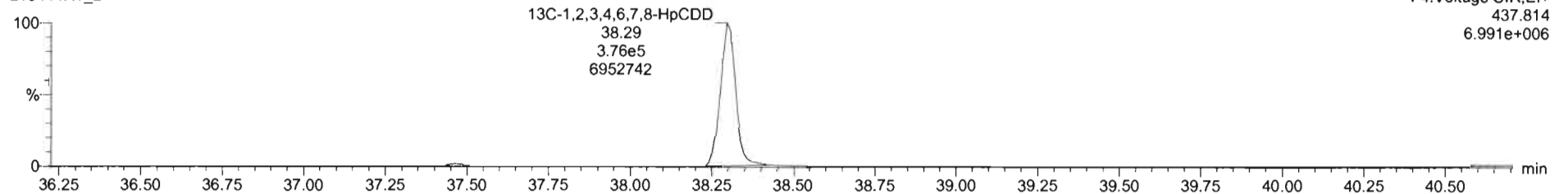


**13C-1,2,3,4,6,7,8-HpCDD**

210414R1\_2



210414R1\_2



Dataset: Untitled

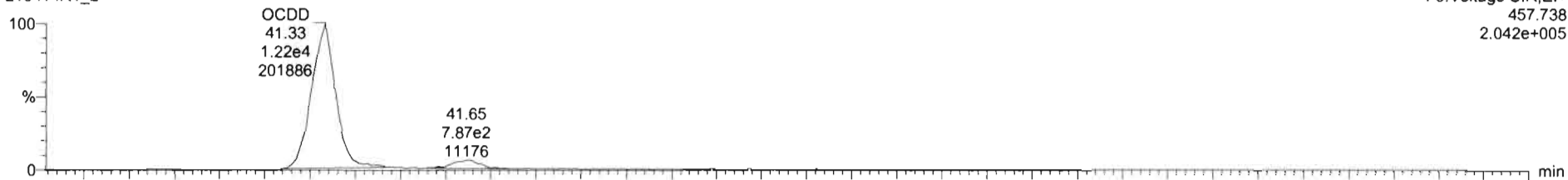
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Name: 210414R1\_2, Date: 14-Apr-2021, Time: 10:37:34, ID: ST210414R1-2 1613 CS1 21D0707, Description: 1613 CS1 21D0707

**OCDD**

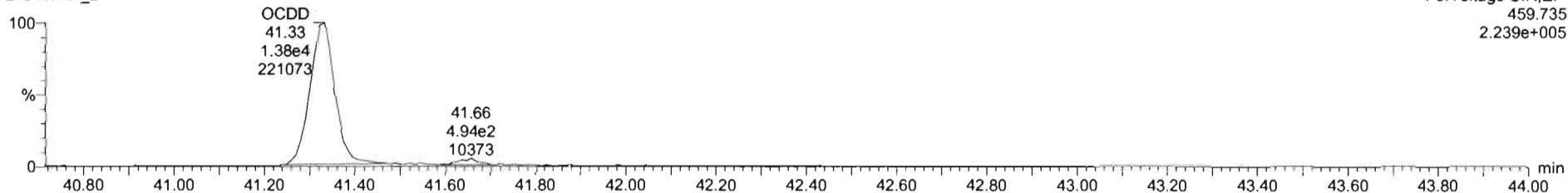
210414R1\_2

F5:Voltage SIR,EI+  
457.738  
2.042e+005



210414R1\_2

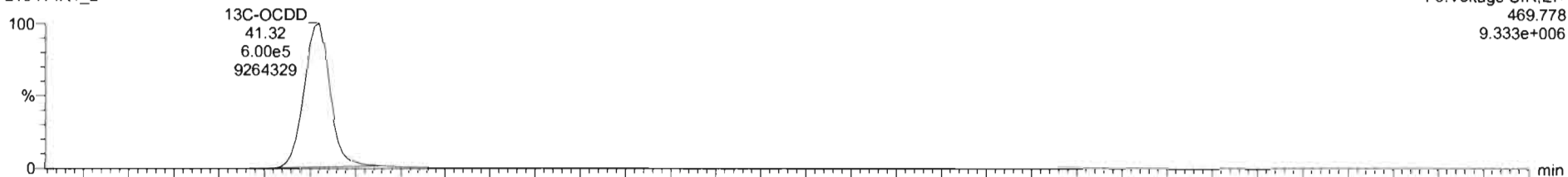
F5:Voltage SIR,EI+  
459.735  
2.239e+005



**13C-OCDD**

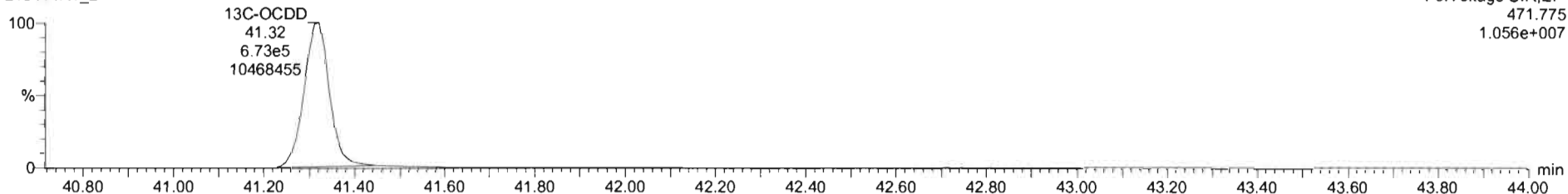
210414R1\_2

F5:Voltage SIR,EI+  
469.778  
9.333e+006



210414R1\_2

F5:Voltage SIR,EI+  
471.775  
1.056e+007



Dataset: Untitled

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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

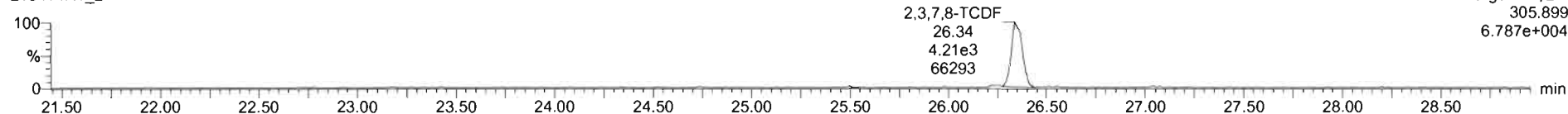
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**2,3,7,8-TCDF**

210414R1\_2

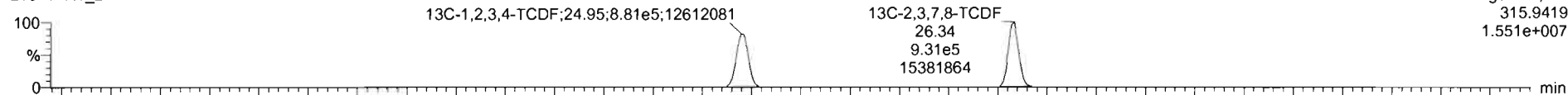


210414R1\_2

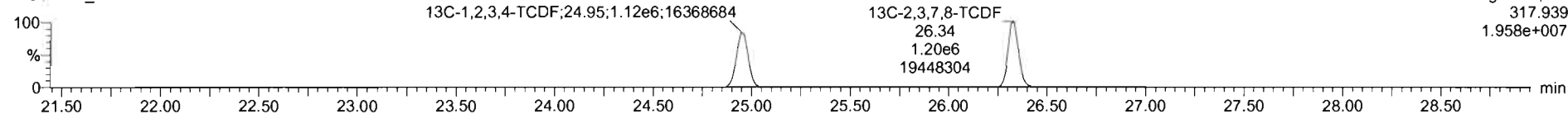


**13C-2,3,7,8-TCDF**

210414R1\_2

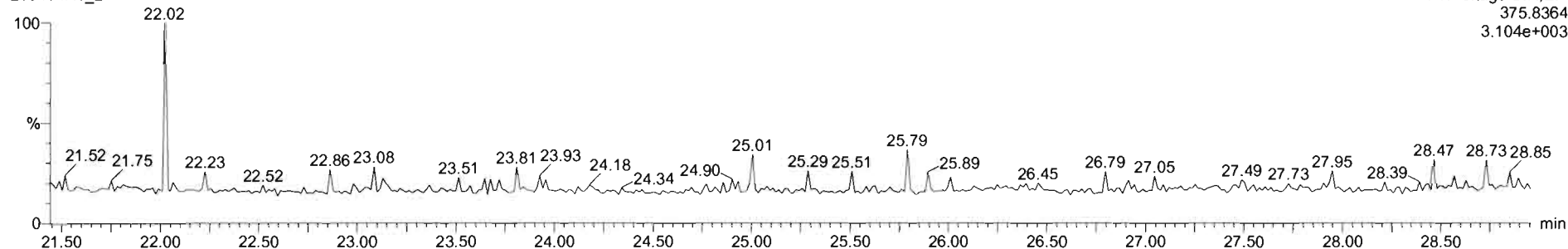


210414R1\_2

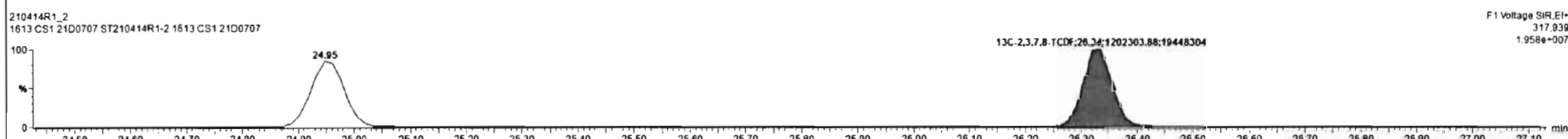
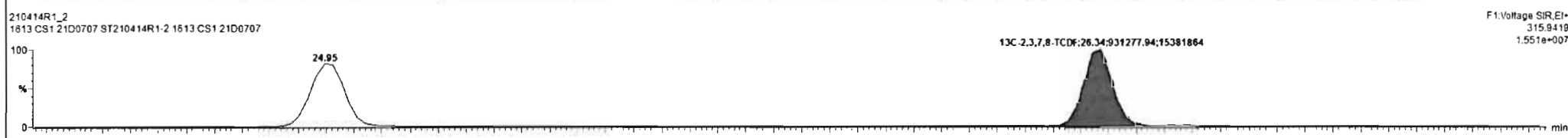


**DPE1**

210414R1\_2



#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	26.96	0.821	NO	6.8703e3	1.4567e6	0.500	1.4	8.93	0.929	0.0629
2	1,2,3,7,8-PeCDD	31.27	0.601	NO	2.3749e4	1.1607e6	2.500	-0.9	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.62	1.227	NO	1.6474e4	7.1077e5	2.500	-4.7	8.87	0.972	0.0863
4	1,2,3,6,7,8-HxCDD	34.76	1.238	NO	1.7068e4	8.0285e5	2.500	-3.0	6.38	0.877	0.0560
5	1,2,3,7,8,9-HxCDD	35.04	1.292	NO	1.8427e4	8.9031e5	2.500	-5.3	8.86	0.874	0.0774
6	1,2,3,4,6,7,8-HpCDD	38.32	1.024	NO	1.7166e4	7.7045e5	2.500	-0.8	7.53	0.899	0.0677
7	OCDD	41.33	0.885	NO	2.5970e4	1.2727e6	5.000	-4.2	7.48	0.852	0.0638
8	2,3,7,8-TCDF	26.35	0.713	NO	7.3350e3	2.1336e6	0.500	-7.9	9.29	0.747	0.0693
9	1,2,3,7,8-PeCDF	30.11	1.549	NO	3.3701e4	1.5774e6	2.500	-2.6	6.18	0.877	0.0718
10	2,3,4,7,8-PeCDF	31.11	1.579	NO	3.6894e4	1.6094e6	2.500	-4.7	7.01	0.962	0.0675
11	1,2,3,4,7,8-HxCDF	33.69	1.183	NO	2.3321e4	1.0641e6	2.500	-4.7	8.23	0.920	0.0758
12	1,2,3,6,7,8-HxCDF	33.82	1.211	NO	2.4894e4	1.1017e6	2.500	-3.5	7.76	0.936	0.0727
13	2,3,4,6,7,8-HxCDF	34.52	1.248	NO	2.1357e4	9.2017e5	2.500	-4.5	8.41	0.973	0.0818



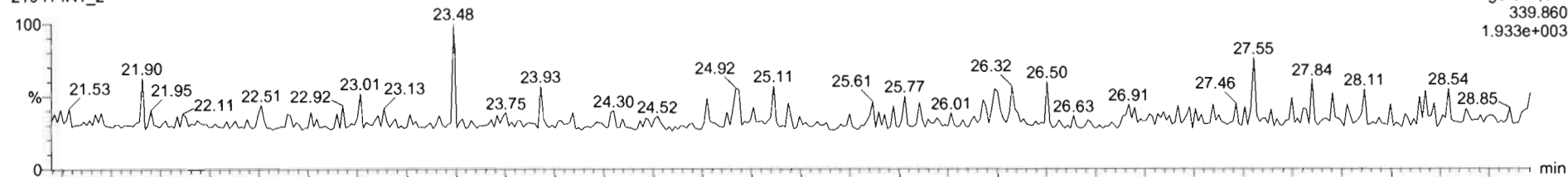
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

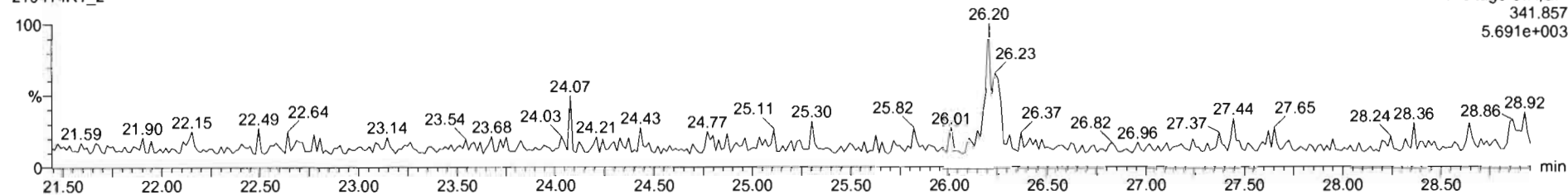
Name: 210414R1\_2, Date: 14-Apr-2021, Time: 10:37:34, ID: ST210414R1-2 1613 CS1 21D0707, Description: 1613 CS1 21D0707

1st Func. Penta-Furans

210414R1\_2

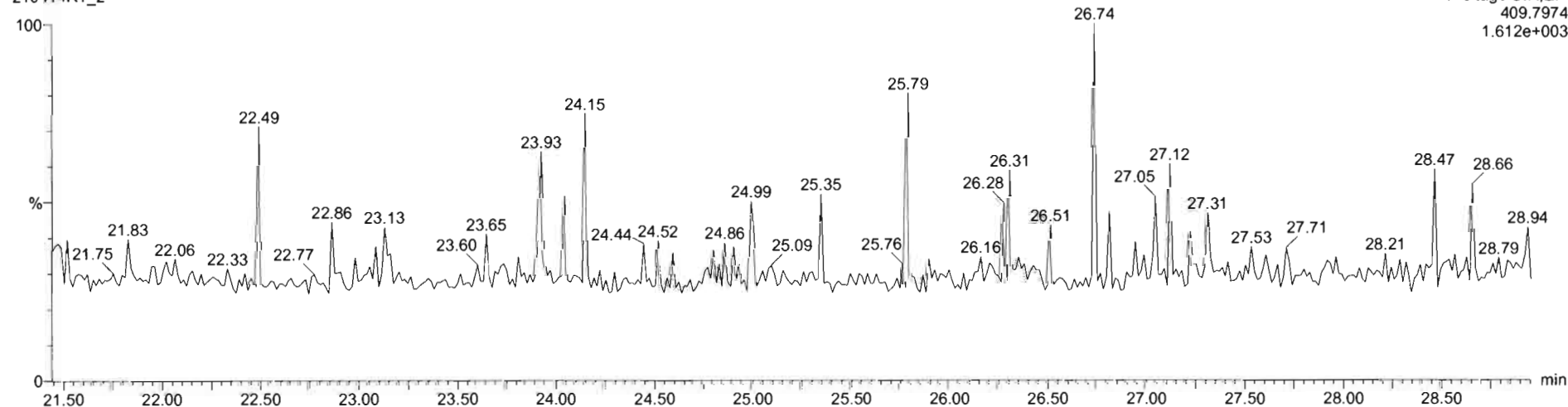


210414R1\_2



DPE6

210414R1\_2



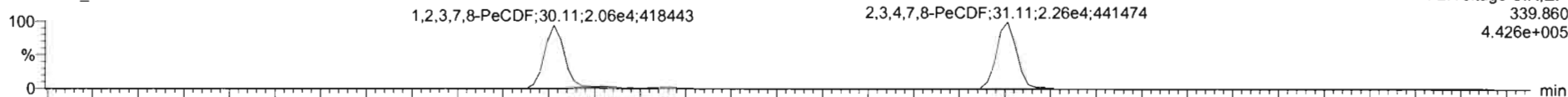
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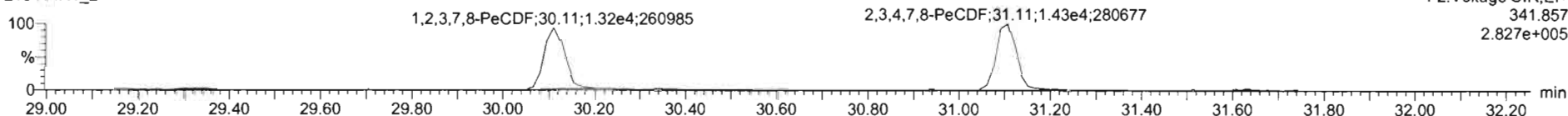
**1,2,3,7,8-PeCDF**

210414R1\_2



F2:Voltage SIR,EI+  
339.860  
4.426e+005

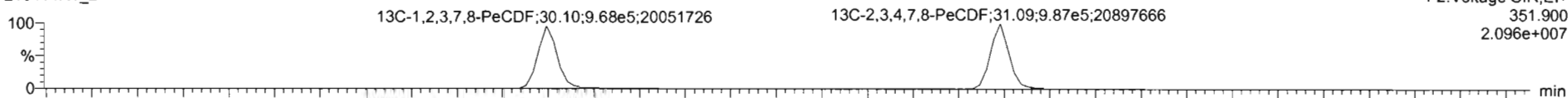
210414R1\_2



F2:Voltage SIR,EI+  
341.857  
2.827e+005

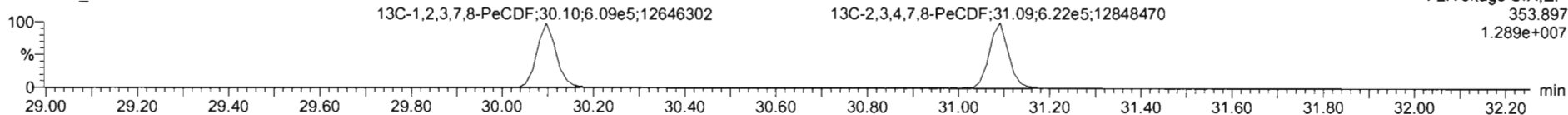
**13C-1,2,3,7,8-PeCDF**

210414R1\_2



F2:Voltage SIR,EI+  
351.900  
2.096e+007

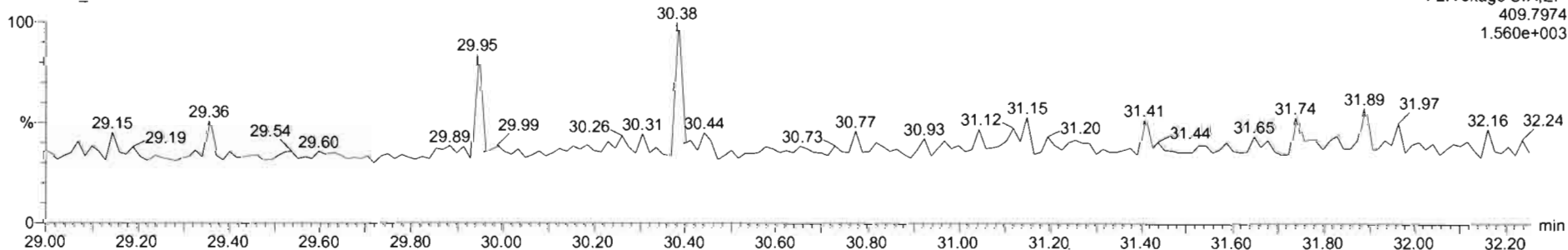
210414R1\_2



F2:Voltage SIR,EI+  
353.897  
1.289e+007

**DPE2**

210414R1\_2

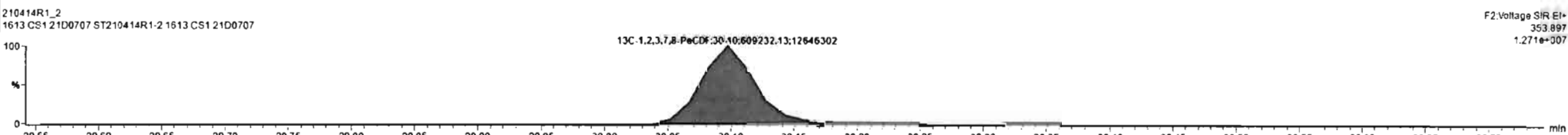
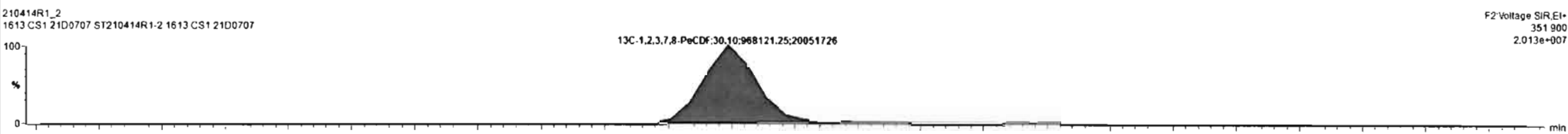
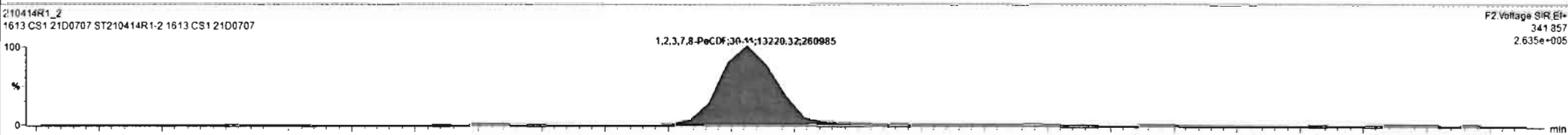
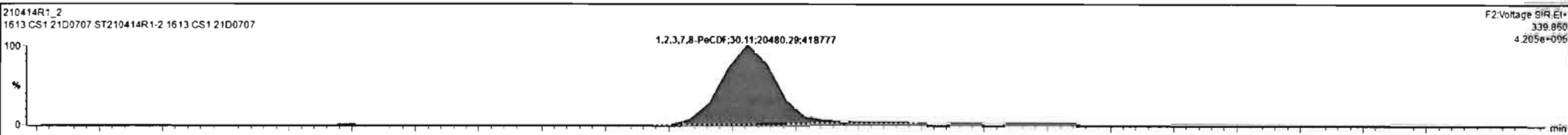


F2:Voltage SIR,EI+  
409.7974  
1.560e+003



210414R1\_2 ST210414R1-2 1613 CS1 21D0707 - 1613 CS1 21D0707

#	Name	RT	RA	yn	Area	IS Area	Std. Conc	%Dev	NRSD	RRF M	RRF SD
1	2,3,7,8-TCDD	26.96	0.821	NO	6.8703e3	1.4587e6	0.500	1.4	8.93	0.929	0.0829
2	1,2,3,7,8-PeCDD	31.27	0.601	NO	2.3749e4	1.1607e6	2.500	-0.9	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.62	1.227	NO	1.6474e4	7.1077e5	2.500	-4.7	8.87	0.972	0.0863
4	1,2,3,6,7,8-HxCDD	34.76	1.238	NO	1.7068e4	8.0285e5	2.500	-3.0	6.38	0.877	0.0560
5	1,2,3,7,8,9-HxCDD	35.04	1.292	NO	1.8427e4	8.9031e5	2.500	-5.3	8.86	0.874	0.0774
6	1,2,3,4,6,7,8-HpCDD	38.32	1.024	NO	1.7196e4	7.7045e5	2.500	-0.8	7.53	0.899	0.0677
7	OCDD	41.33	0.885	NO	2.5970e4	1.2727e6	5.000	-4.2	7.48	0.852	0.0638
8	2,3,7,8-TCDF	26.35	0.713	NO	7.3389e3	2.1330e6	0.500	-7.9	9.29	0.747	0.0693
9	1,2,3,7,8-PeCDF	30.11	1.549	NO	3.3701e4	1.5774e6	2.500	-2.6	5.18	0.877	0.0718
10	2,3,4,7,8-PeCDF	31.11	1.579	NO	3.6894e4	1.6094e6	2.500	-4.7	7.01	0.962	0.0675
11	1,2,3,4,7,8-HxCDF	33.69	1.183	NO	2.3321e4	1.0641e6	2.500	-4.7	8.23	0.920	0.0758
12	1,2,3,6,7,8-HxCDF	33.82	1.211	NO	2.4894e4	1.1017e6	2.500	-3.5	7.76	0.936	0.0727
13	2,3,4,6,7,8-HxCDF	34.52	1.248	NO	2.1357e4	9.2017e5	2.500	-4.5	8.41	0.973	0.0818



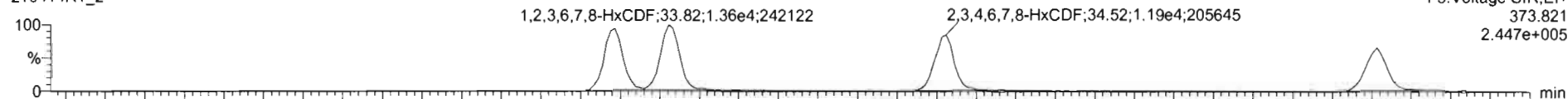
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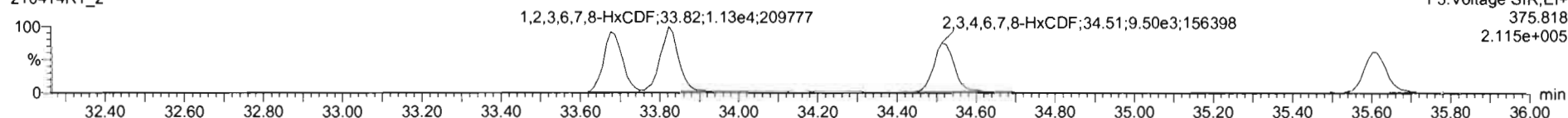
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**1,2,3,4,7,8-HxCDF**

210414R1\_2

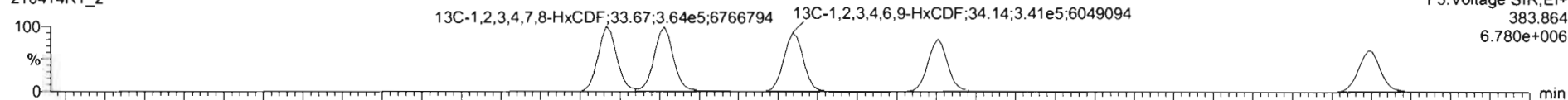


210414R1\_2

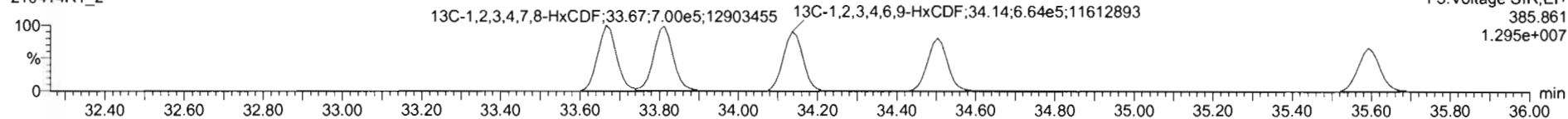


**13C-1,2,3,4,7,8-HxCDF**

210414R1\_2

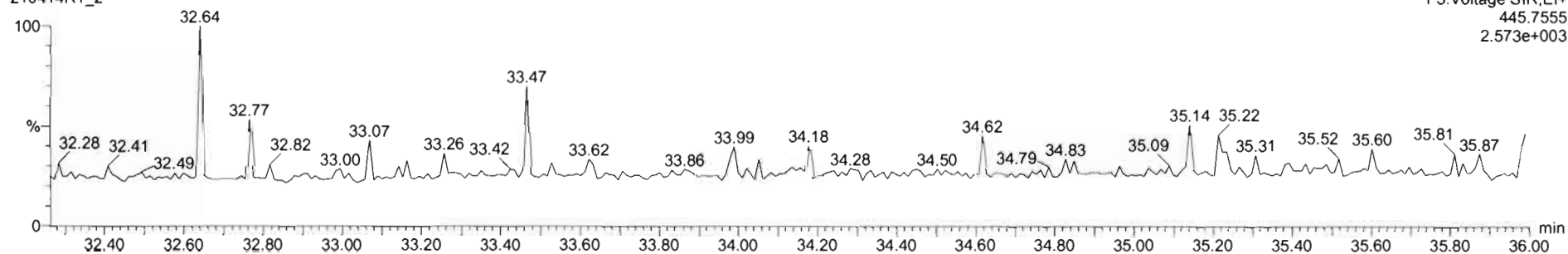


210414R1\_2

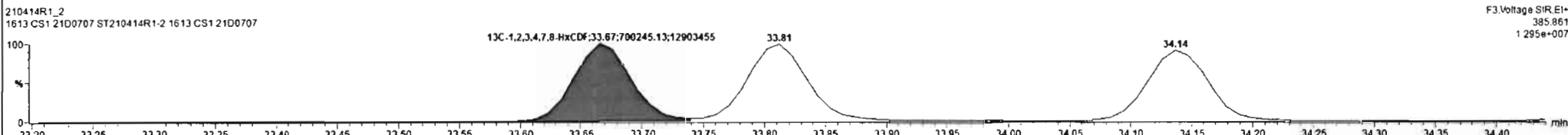
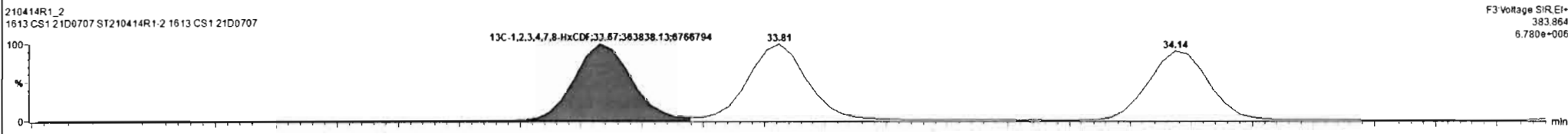
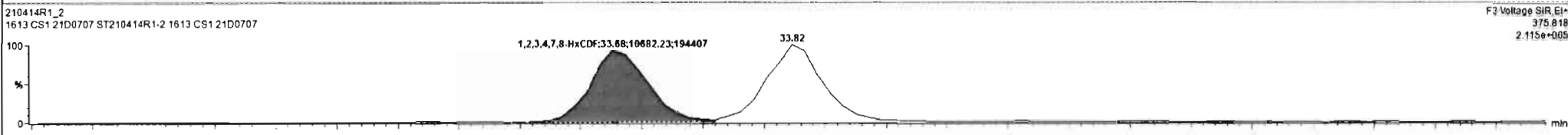
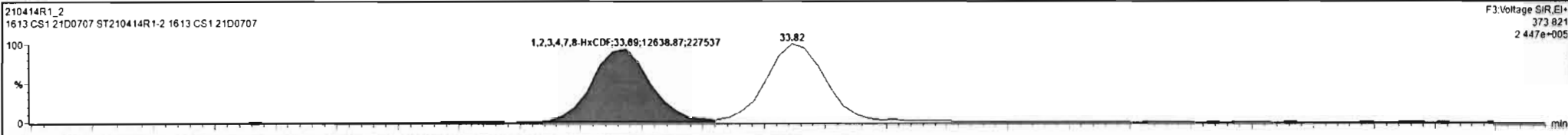


**DPE3**

210414R1\_2



#	Name	RT	RA	Y/N	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	26.96	0.821	NO	6.8703e3	1.4587e6	0.500	1.4	8.93	0.929	0.0829
2	1,2,3,7,8-PeCDD	31.27	0.601	NO	2.3749e4	1.1607e6	2.500	-0.9	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.62	1.227	NO	1.6474e4	7.1077e5	2.500	-4.7	8.87	0.972	0.0863
4	1,2,3,6,7,8-HxCDD	34.76	1.238	NO	1.7088e4	8.0285e5	2.500	-3.0	6.38	0.877	0.0560
5	1,2,3,7,8,9-HxCDD	35.04	1.292	NO	1.8427e4	8.9031e5	2.500	-5.3	8.86	0.874	0.0774
6	1,2,3,4,6,7,8-HpCDD	36.32	1.024	NO	1.7166e4	7.7045e5	2.500	-0.8	7.53	0.899	0.0677
7	OCDD	41.33	0.885	NO	2.5970e4	1.2727e6	5.000	-4.2	7.48	0.852	0.0638
8	2,3,7,8-TCDF	26.35	0.713	NO	7.3380e3	2.1336e6	0.500	-7.9	9.29	0.747	0.0693
9	1,2,3,7,8-PeCDF	30.11	1.549	NO	3.3701e4	1.5774e6	2.500	-2.6	8.18	0.877	0.0718
10	2,3,4,7,8-PeCDF	31.11	1.579	NO	3.6894e4	1.6094e6	2.500	-4.7	7.01	0.962	0.0675
11	1,2,3,4,7,8-HxCDF	33.69	1.183	NO	2.3321e4	1.0641e6	2.500	-4.7	8.23	0.920	0.0759
12	1,2,3,6,7,8-HxCDF	33.82	1.211	NO	2.4894e4	1.1017e6	2.500	-3.5	7.76	0.936	0.0727
13	2,3,4,6,7,8-HxCDF	34.52	1.248	NO	2.1357e4	9.2017e5	2.500	-4.5	8.41	0.973	0.0818

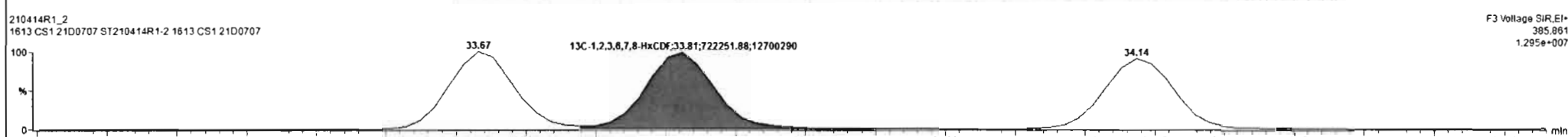
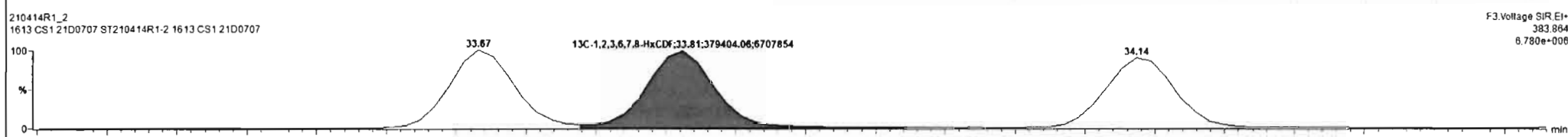
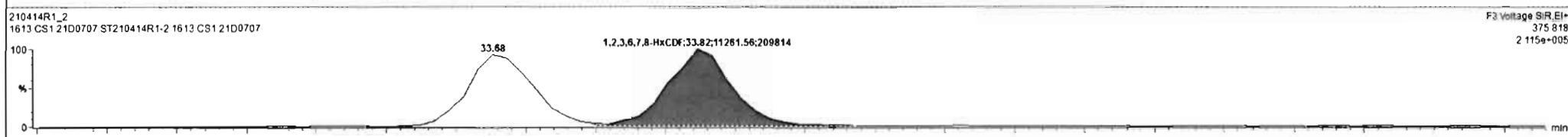
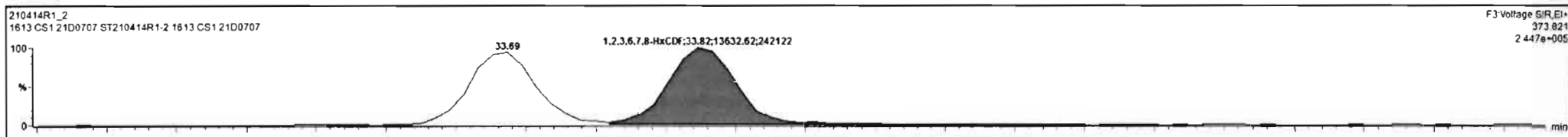


TargetLynx - 210414R1\_CNV.qld - [Chromatogram]

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210414R1\_2 - ST210414R1-2 1613 CS1 21D0707 1613 CS1 21D0707

#	Name	RT	RA	Y/N	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	26.96	0.821	NO	6.8703e3	1.4587e6	0.500	1.4	8.93	0.929	0.0829
2	1,2,3,7,8-PeCDD	31.27	0.601	NO	2.3749e4	1.1607e6	2.500	-0.9	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.62	1.227	NO	1.6474e4	7.1077e5	2.500	-4.7	8.87	0.972	0.0863
4	1,2,3,6,7,8-HxCDD	34.76	1.238	NO	1.7068e4	8.0285e5	2.500	-3.0	6.38	0.877	0.0560
5	1,2,3,7,8,9-HxCDD	35.04	1.292	NO	1.8427e4	8.9031e5	2.500	-5.3	8.86	0.874	0.0774
6	1,2,3,4,6,7,8-HpCDD	38.32	1.024	NO	1.7166e4	7.7045e5	2.500	-0.8	7.53	0.899	0.0677
7	OCDD	41.33	0.885	NO	2.5970e4	1.2727e6	5.000	-4.2	7.48	0.852	0.0638
8	1,2,3,7,8-TCDF	26.35	0.713	NO	7.3380e3	2.1336e6	0.500	-7.9	9.29	0.747	0.0693
9	1,2,3,7,8-PeCDF	30.11	1.549	NO	3.3701e4	1.5774e6	2.500	-2.6	8.18	0.877	0.0718
10	1,2,3,4,7,8-PeCDF	31.11	1.579	NO	3.6894e4	1.6094e6	2.500	-4.7	7.01	0.962	0.0675
11	1,2,3,4,7,8-HxCDF	33.69	1.183	NO	2.3321e4	1.0641e6	2.500	-4.7	8.23	0.920	0.0758
12	1,2,3,6,7,8-HxCDF	33.82	1.211	NO	2.4894e4	1.1017e6	2.500	-3.5	7.78	0.936	0.0727
13	1,2,3,4,6,7,8-HxCDF	34.52	1.248	NO	2.1357e4	9.2017e5	2.500	-4.5	8.41	0.973	0.0818



Regdv

210414R1\_2 [CAP NUM]

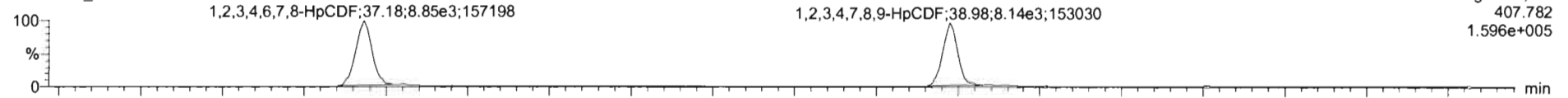
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Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

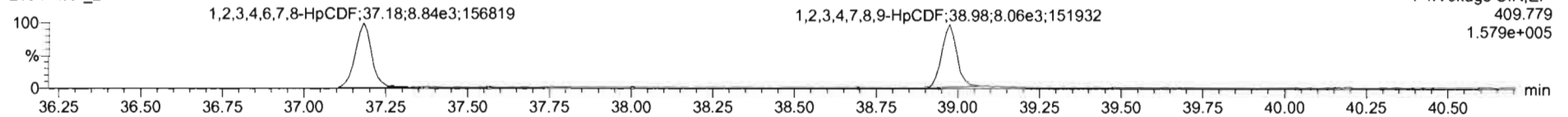
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**1,2,3,4,6,7,8-HpCDF**

210414R1\_2

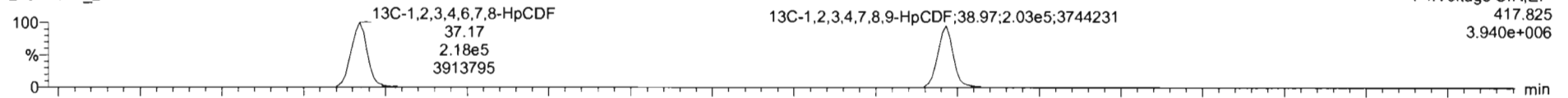


210414R1\_2

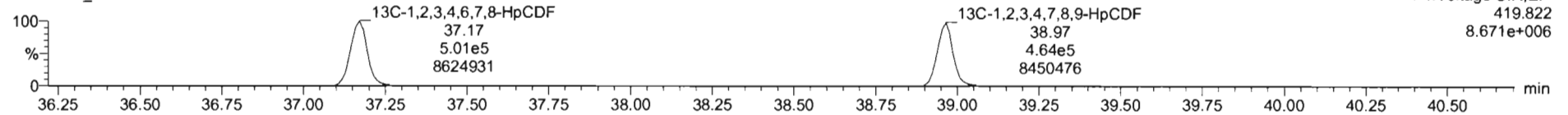


**13C-1,2,3,4,6,7,8-HpCDF**

210414R1\_2

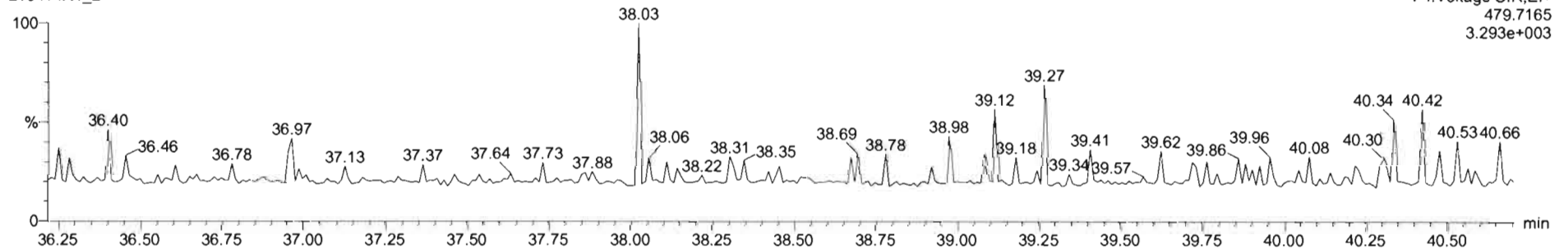


210414R1\_2



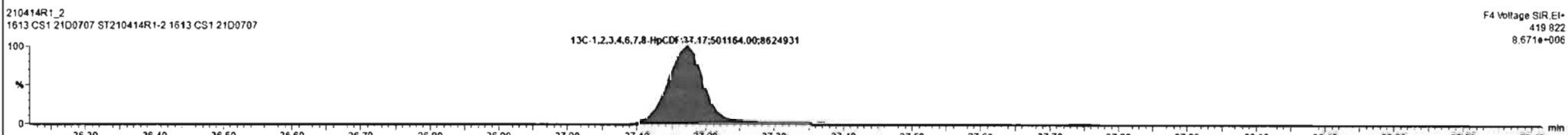
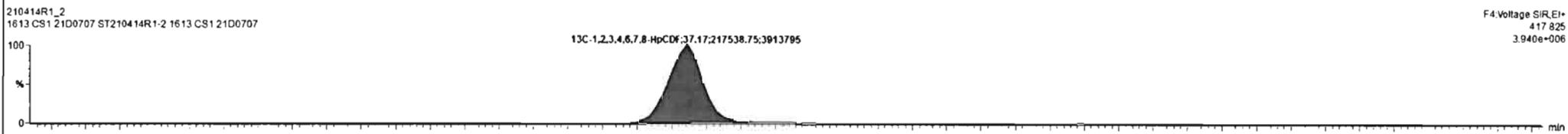
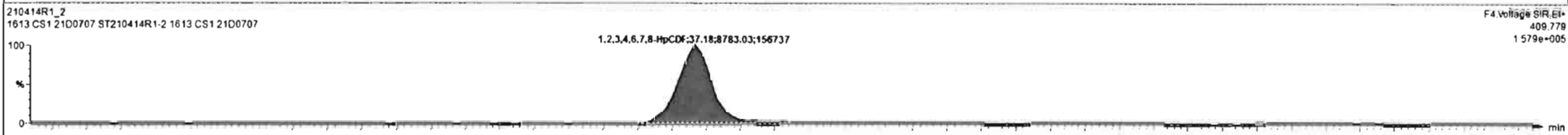
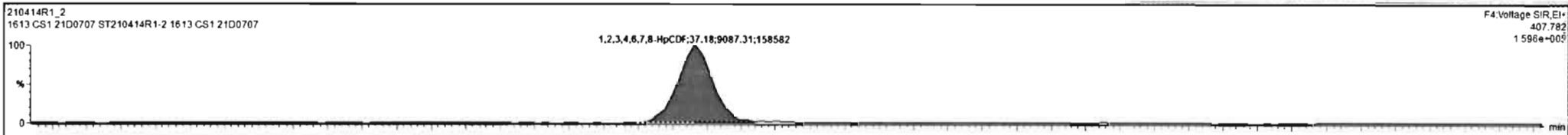
**DPE4**

210414R1\_2



210414R1\_2 - ST210414R1-2 1613 CS1 21D0707 - 1613 CS1 21D0707

#	Name	RT	RA	Y/N	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
11	1,2,3,4,7,8-HxCDF	33.69	1.183	NO	2.3321e4	1.9641e6	2.500	-4.7	8.23	0.920	0.0758
12	1,2,3,6,7,8-HxCDF	33.82	1.211	NO	2.4894e4	1.1017e6	2.500	-3.5	7.76	0.936	0.0727
13	2,3,4,6,7,8-HxCDF	34.52	1.248	NO	2.1357e4	9.2017e5	2.500	-4.5	8.41	0.973	0.0818
14	1,2,3,7,8,9-HxCDF	35.61	1.159	NO	1.8506e4	8.2325e5	2.500	-4.3	8.34	0.940	0.0784
15	1,2,3,4,6,7,8-HpCDF	37.18	1.035	NO	1.7870e4	7.1870e5	2.500	-5.1	8.33	1.05	0.0873
16	1,2,3,4,7,8,9-HpCDF	38.98	1.010	NO	1.6198e4	6.9955e5	2.500	-7.0	8.40	1.05	0.0879
17	OCDF	41.67	0.878	NO	2.7542e4	1.4722e6	5.000	-3.0	7.94	0.771	0.0612
18	13C-2,3,7,8-TCDD	26.93	0.772	NO	1.4587e6	1.3814e6	100.000	-4.3	8.43	1.10	0.0930
19	13C-1,2,3,7,8-PeCDD	31.26	0.625	NO	1.1607e6	1.3814e6	100.000	-2.7	10.5	0.864	0.0903
20	13C-1,2,3,4,7,8-HxCDD	34.61	1.282	NO	7.1077e5	1.0053e6	100.000	-5.2	8.73	0.746	0.0651
21	13C-1,2,3,6,7,8-HxCDD	34.73	1.263	NO	8.0285e5	1.0053e6	100.000	-5.7	9.12	0.847	0.0773
22	13C-1,2,3,7,8-HxCDD	35.03	1.257	NO	8.9031e5	1.0053e6	100.000	2.0	8.65	0.868	0.0751
23	13C-1,2,3,4,6,7,8-HpCDD	38.29	1.047	NO	7.7045e5	1.0053e6	100.000	15.4	10.1	0.864	0.0671



36.30 36.40 36.50 36.60 36.70 36.80 36.90 37.00 37.10 37.20 37.30 37.40 37.50 37.60 37.70 37.80 37.90 38.00 38.10 38.20 38.30 38.40

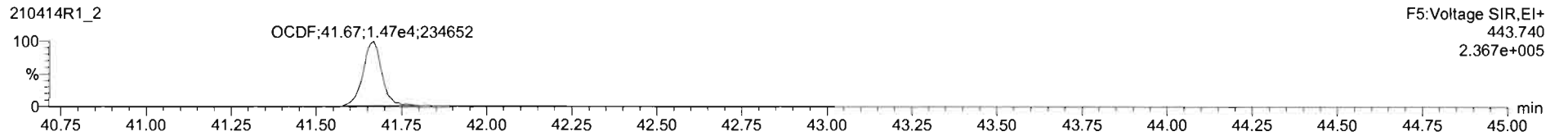
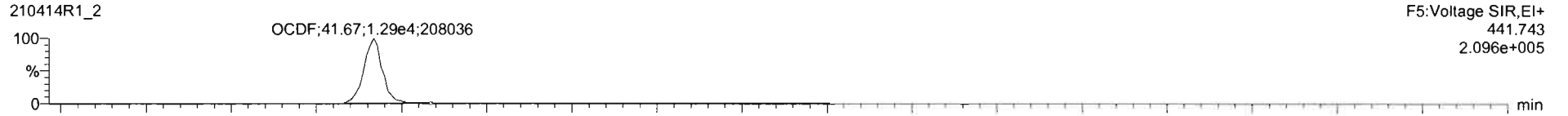
210414R1\_2 CAP NUM

Dataset: Untitled

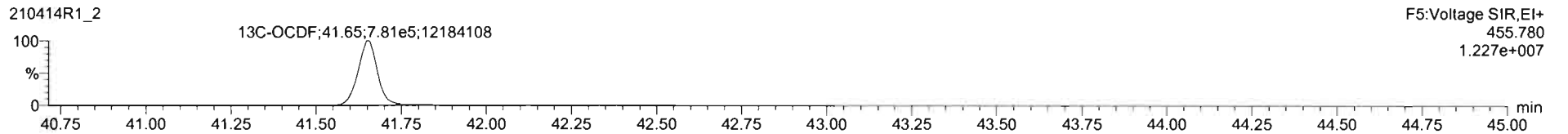
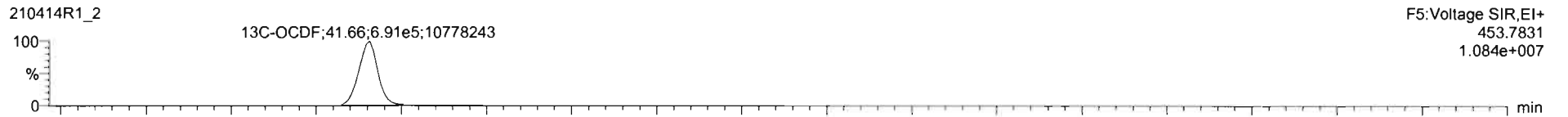
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Name: 210414R1\_2, Date: 14-Apr-2021, Time: 10:37:34, ID: ST210414R1-2 1613 CS1 21D0707, Description: 1613 CS1 21D0707

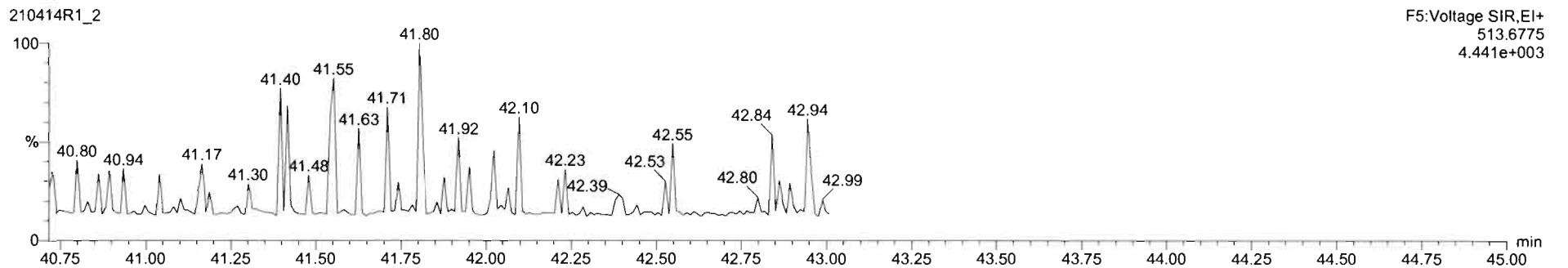
**OCDF**



**13C-OCDF**



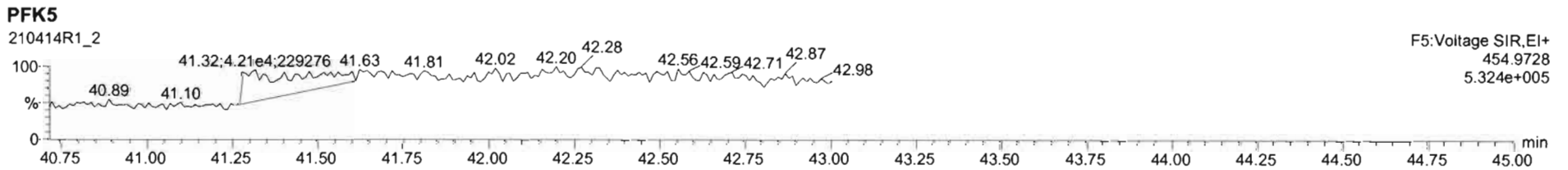
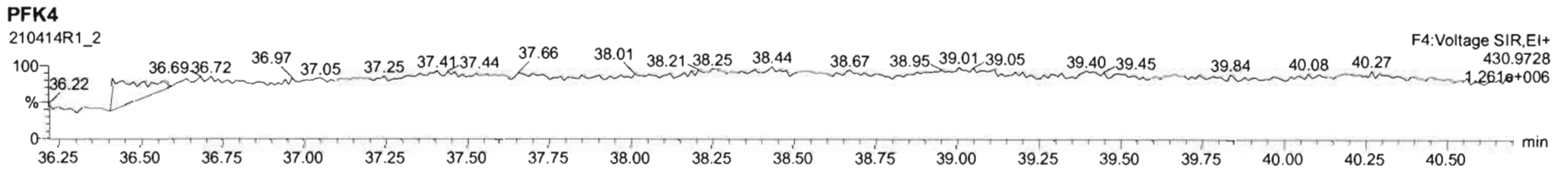
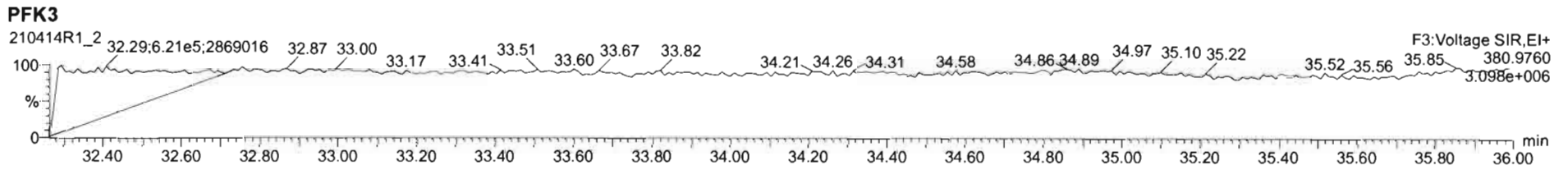
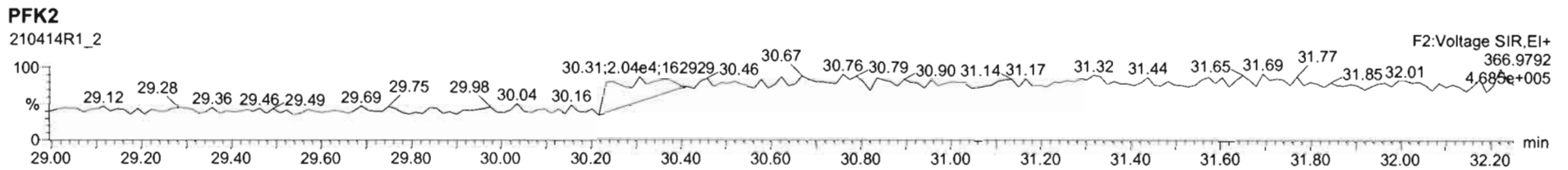
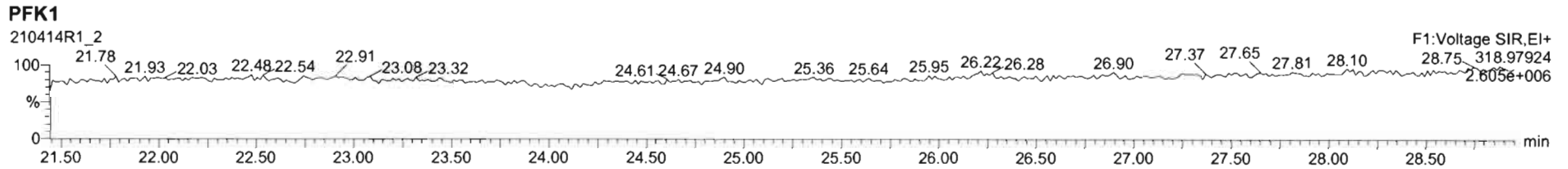
**DPE5**



Dataset: Untitled

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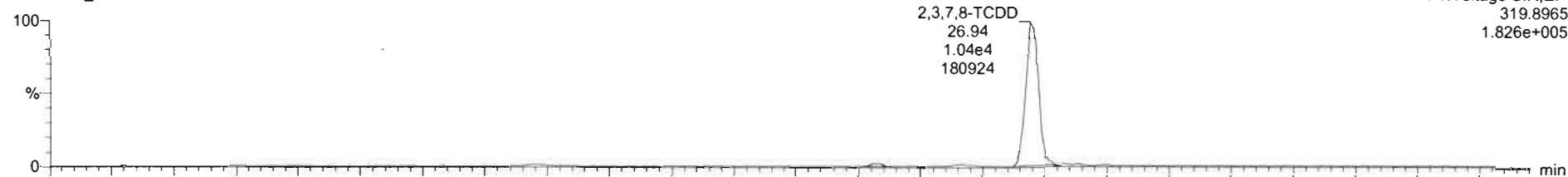
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Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

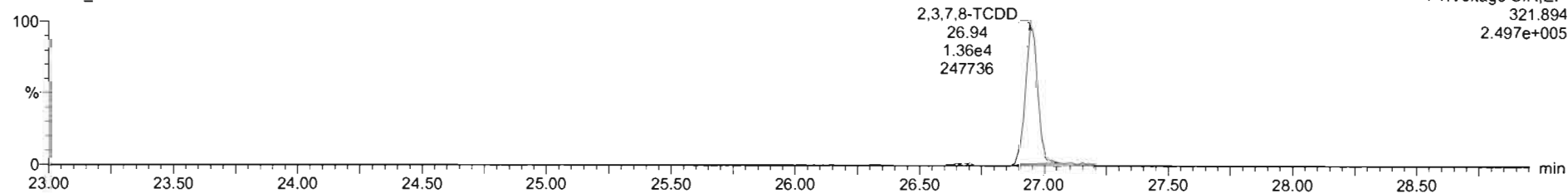
Name: 210414R1\_3, Date: 14-Apr-2021, Time: 11:26:41, ID: ST210414R1-3 1613 CS2 21C0104, Description: 1613 CS2 21C0104

**2,3,7,8-TCDD**

210414R1\_3

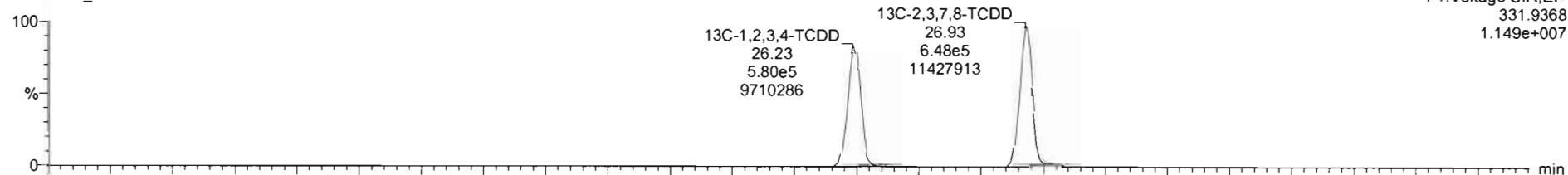


210414R1\_3

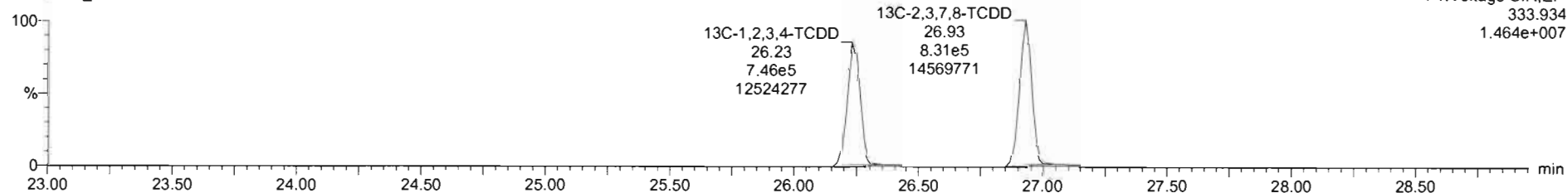


**13C-2,3,7,8-TCDD**

210414R1\_3



210414R1\_3



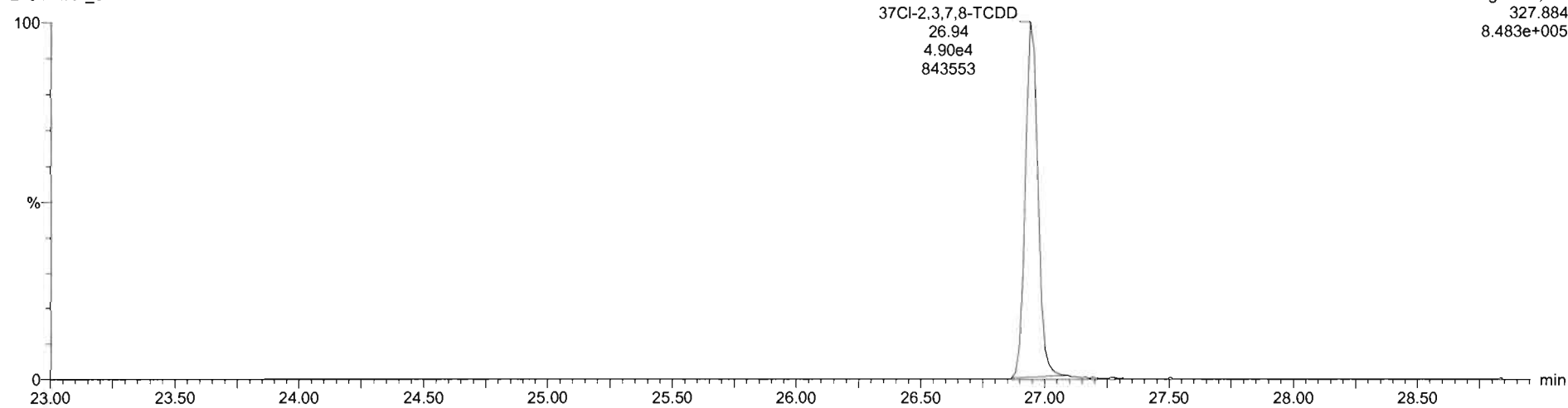
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Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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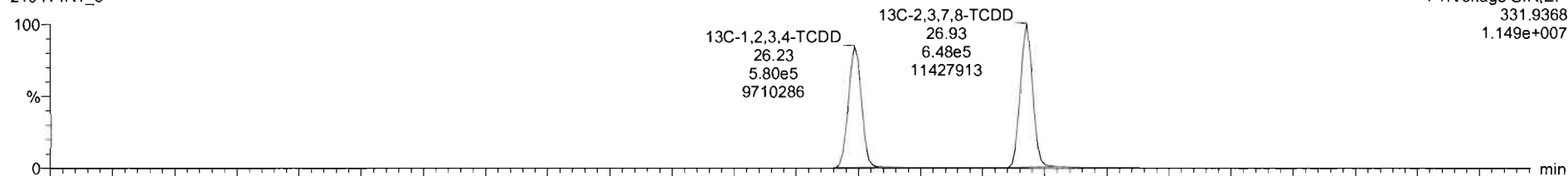
**37Cl-2,3,7,8-TCDD**

210414R1\_3

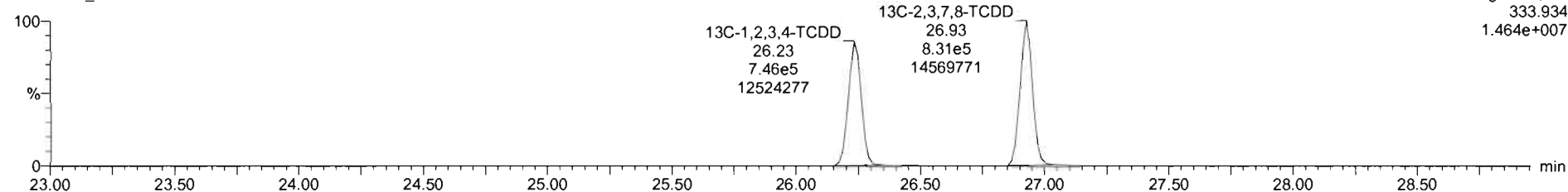


**13C-1,2,3,4-TCDD**

210414R1\_3



210414R1\_3



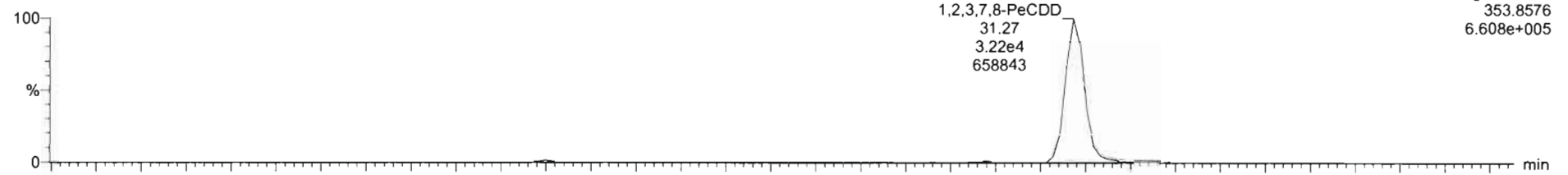
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

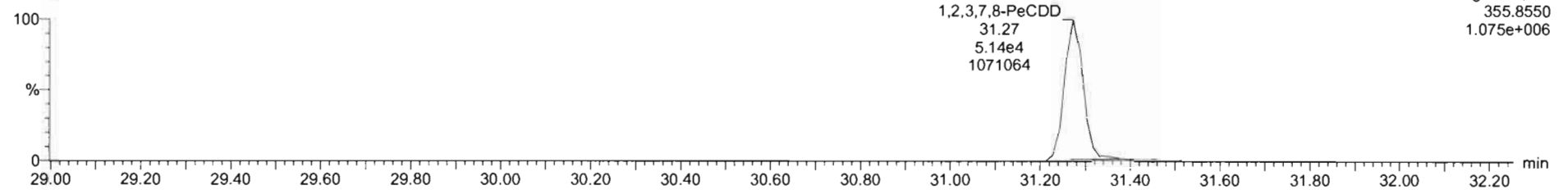
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**1,2,3,7,8-PeCDD**

210414R1\_3

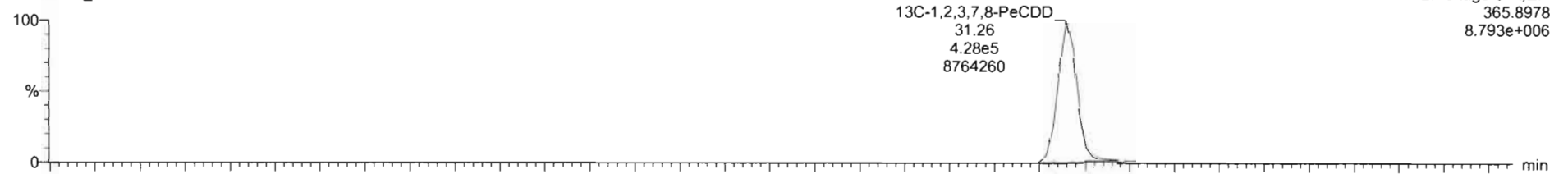


210414R1\_3

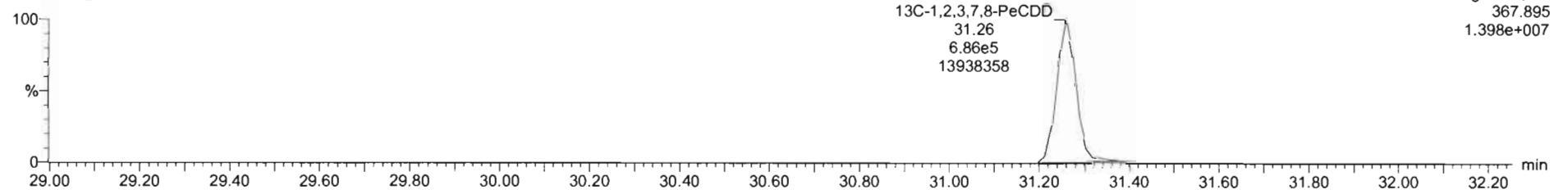


**13C-1,2,3,7,8-PeCDD**

210414R1\_3



210414R1\_3



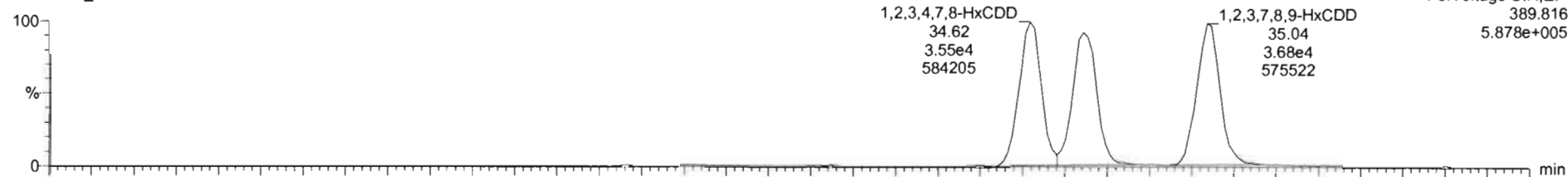
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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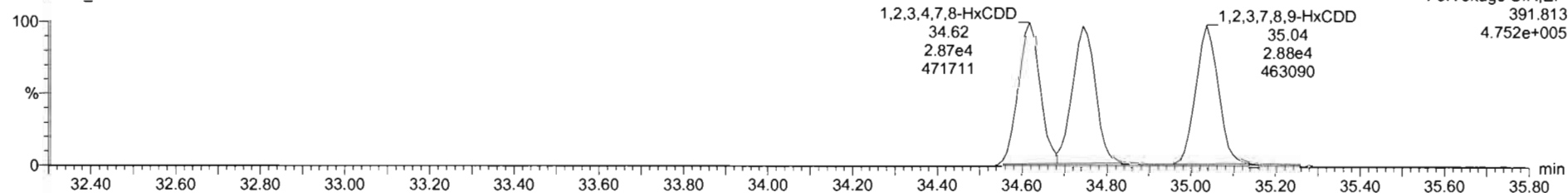
1,2,3,4,7,8-HxCDD

210414R1\_3



F3:Voltage SIR,EI+  
389.816  
5.878e+005

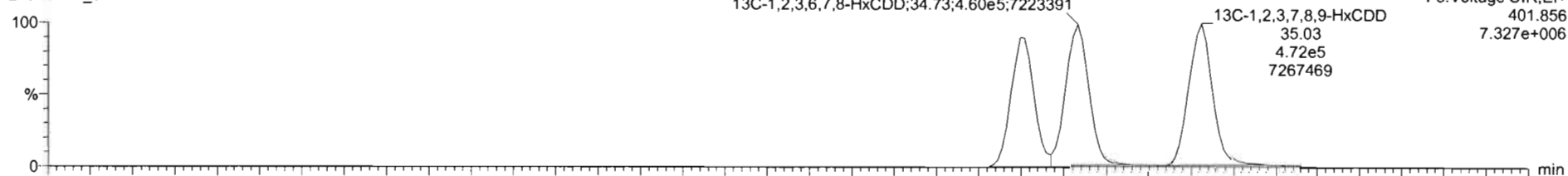
210414R1\_3



F3:Voltage SIR,EI+  
391.813  
4.752e+005

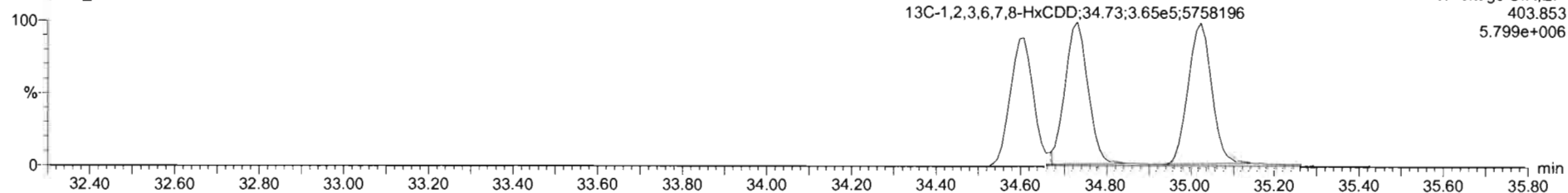
13C-1,2,3,4,7,8-HxCDD

210414R1\_3



F3:Voltage SIR,EI+  
401.856  
7.327e+006

210414R1\_3



F3:Voltage SIR,EI+  
403.853  
5.799e+006

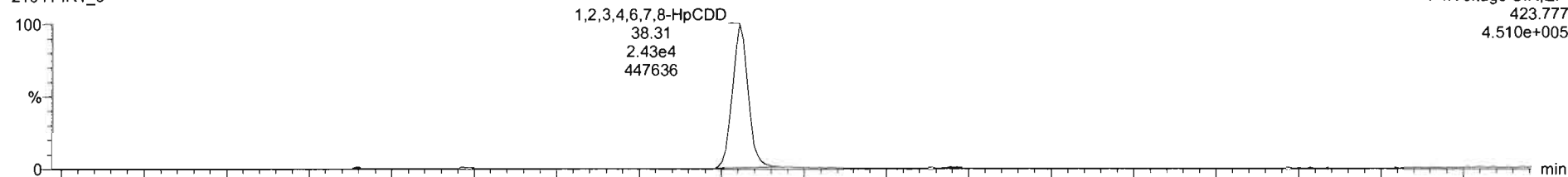
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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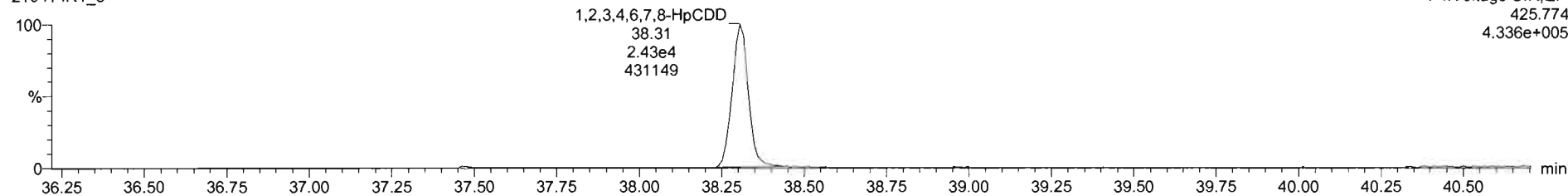
1,2,3,4,6,7,8-HpCDD

210414R1\_3



F4:Voltage SIR,EI+  
423.777  
4.510e+005

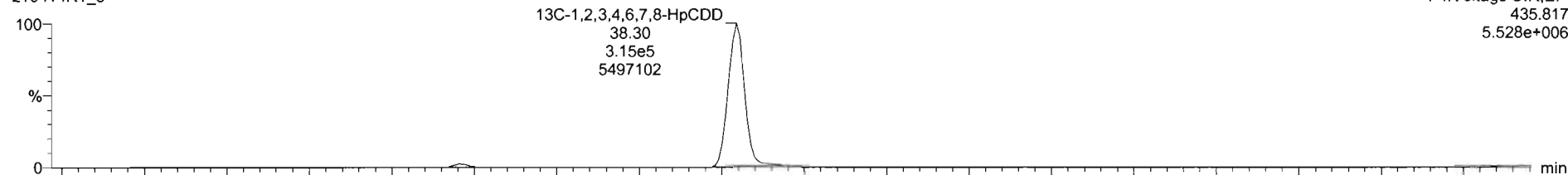
210414R1\_3



F4:Voltage SIR,EI+  
425.774  
4.336e+005

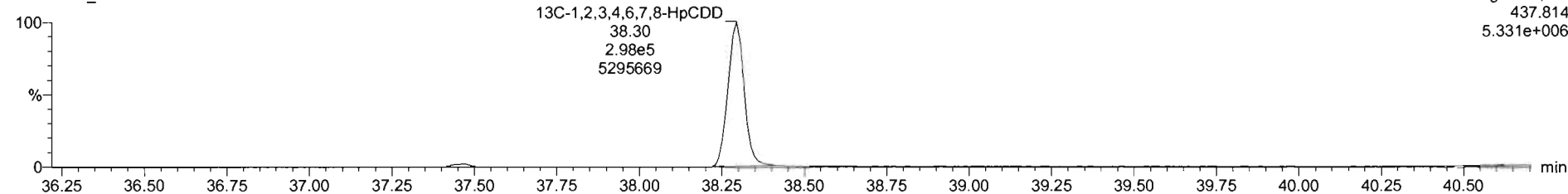
13C-1,2,3,4,6,7,8-HpCDD

210414R1\_3



F4:Voltage SIR,EI+  
435.817  
5.528e+006

210414R1\_3



F4:Voltage SIR,EI+  
437.814  
5.331e+006

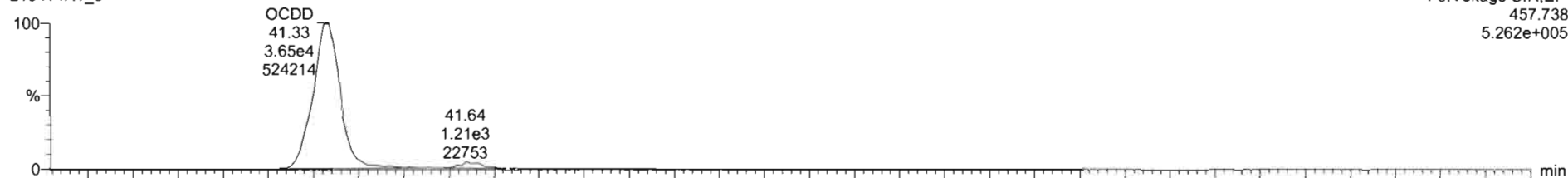
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

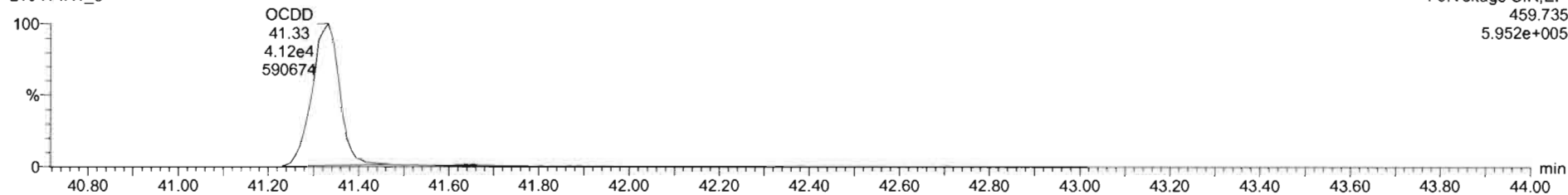
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**OCDD**

210414R1\_3

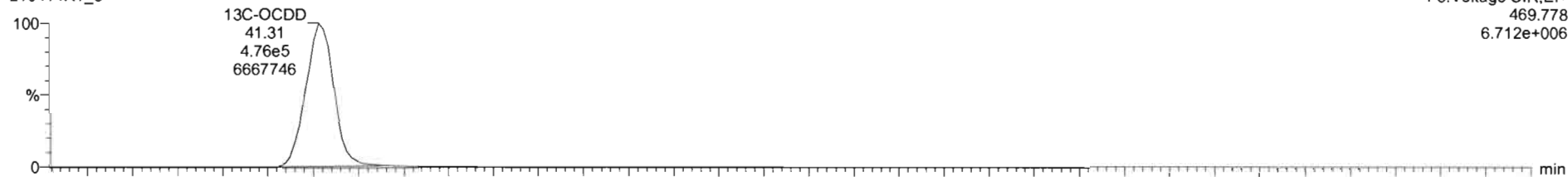


210414R1\_3

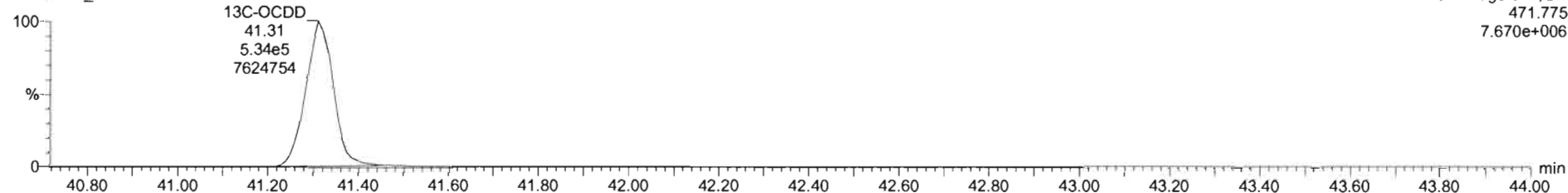


**13C-OCDD**

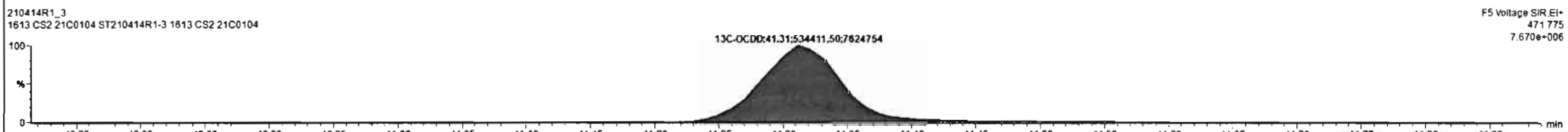
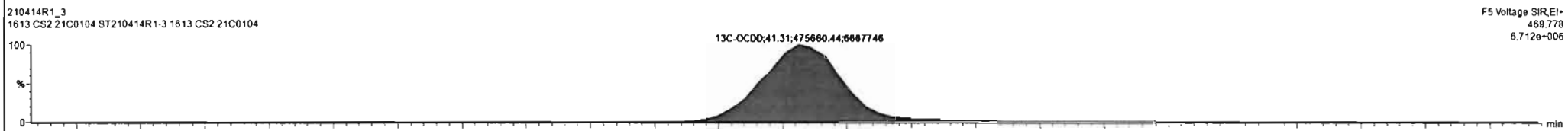
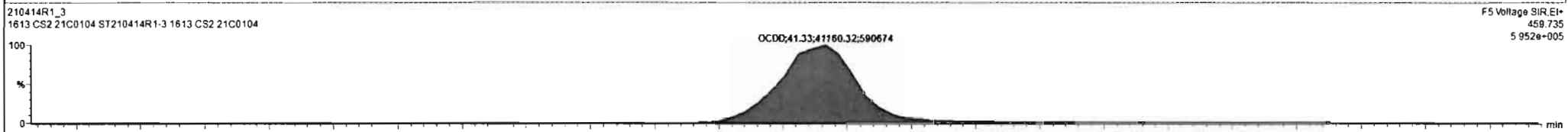
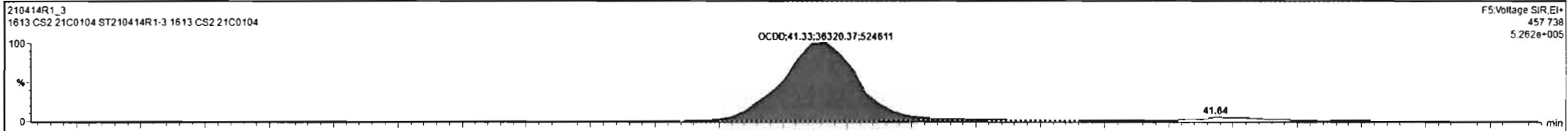
210414R1\_3



210414R1\_3



#	Name	RT	RA	Yn	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	2,3,7,8-TCDD	26.94	0.762	NO	2.4014e4	1.4792e6	2.000	-12.6	8.93	0.929	0.0829
2	1,2,3,7,8-PeCDD	31.27	0.628	NO	8.3608e4	1.1141e6	10.000	-9.1	5.84	0.826	0.0482
3	1,2,3,4,7,8-HxCDD	34.62	1.239	NO	6.4208e4	7.4024e5	10.000	-10.8	8.87	0.972	0.0863
4	1,2,3,6,7,8-HxCDD	34.74	1.229	NO	6.5250e4	8.2514e5	10.000	-9.8	6.38	0.877	0.0560
5	1,2,3,7,8,9-HxCDD	35.04	1.280	NO	6.5625e4	8.4455e5	10.000	-11.1	8.86	0.874	0.0774
6	1,2,3,4,6,7,8-HxCDD	38.31	1.003	NO	4.9610e4	6.1293e5	10.000	-11.8	7.53	0.899	0.0877
7	OCDD	41.33	0.882	NO	7.7481e4	1.0101e6	20.000	-10.0	7.48	0.852	0.0638
8	2,3,7,8-TCDF	26.35	0.785	NO	2.6406e4	1.9981e6	2.000	-11.5	9.29	0.747	0.0693
9	1,2,3,7,8-PeCDF	30.11	1.623	NO	1.2008e5	1.4874e6	10.000	-8.0	8.18	0.877	0.0718
10	2,3,4,7,8-PeCDF	31.11	1.523	NO	1.2921e5	1.4756e6	10.000	-8.0	7.01	0.962	0.0675
11	1,2,3,4,7,8-HxCDF	33.69	1.227	NO	7.9886e4	9.5787e5	10.000	-9.4	8.23	0.920	0.0758
12	1,2,3,6,7,8-HxCDF	33.82	1.218	NO	8.7203e4	1.0114e6	10.000	-7.9	7.76	0.936	0.0727
13	2,3,4,6,7,8-HxCDF	34.51	1.231	NO	7.8454e4	8.8543e5	10.000	-8.9	8.41	0.973	0.0818



Regdy [210414R1\_3] CAP NUM

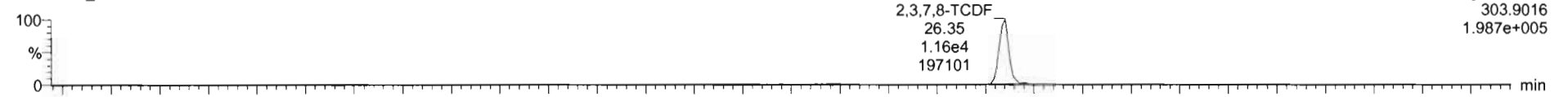
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Name: 210414R1\_3, Date: 14-Apr-2021, Time: 11:26:41, ID: ST210414R1-3 1613 CS2 21C0104, Description: 1613 CS2 21C0104

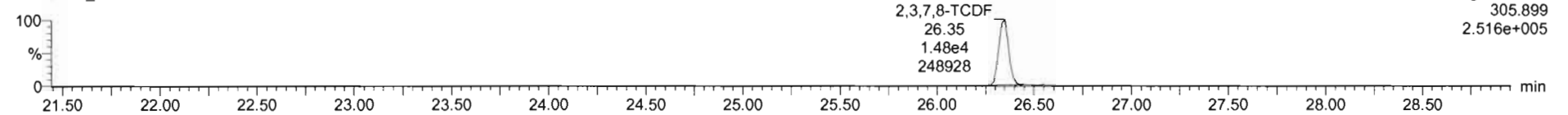
**2,3,7,8-TCDF**

210414R1\_3



F1: Voltage SIR, EI+  
303.9016  
1.987e+005

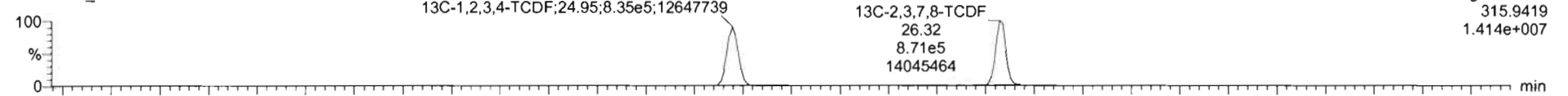
210414R1\_3



F1: Voltage SIR, EI+  
305.899  
2.516e+005

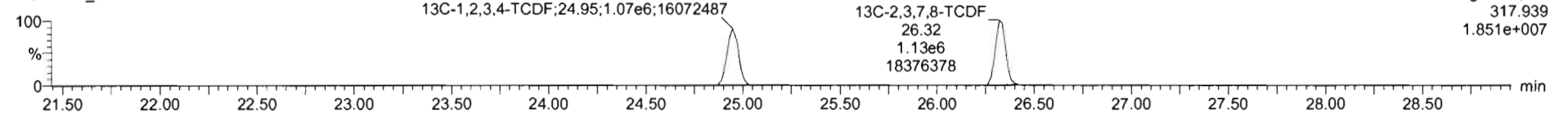
**13C-2,3,7,8-TCDF**

210414R1\_3



F1: Voltage SIR, EI+  
315.9419  
1.414e+007

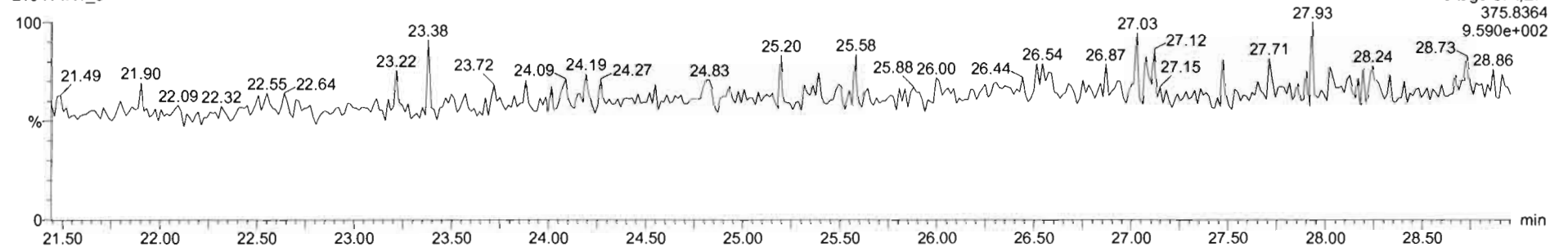
210414R1\_3



F1: Voltage SIR, EI+  
317.939  
1.851e+007

**DPE1**

210414R1\_3



F1: Voltage SIR, EI+  
375.8364  
9.590e+002



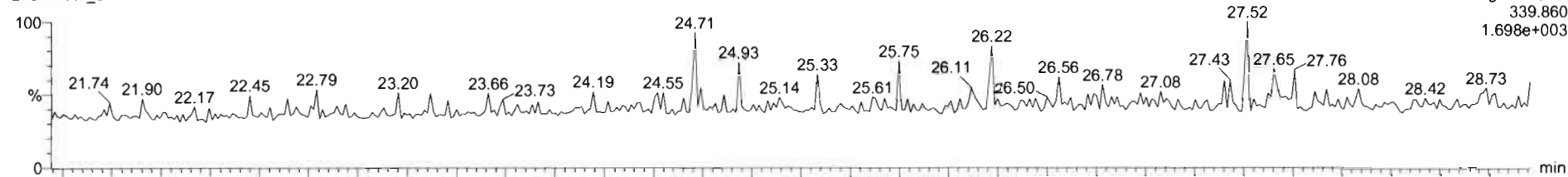
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

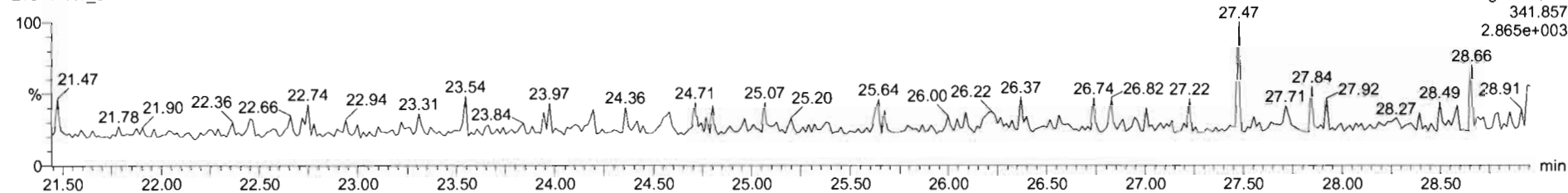
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1st Func. Penta-Furans

210414R1\_3

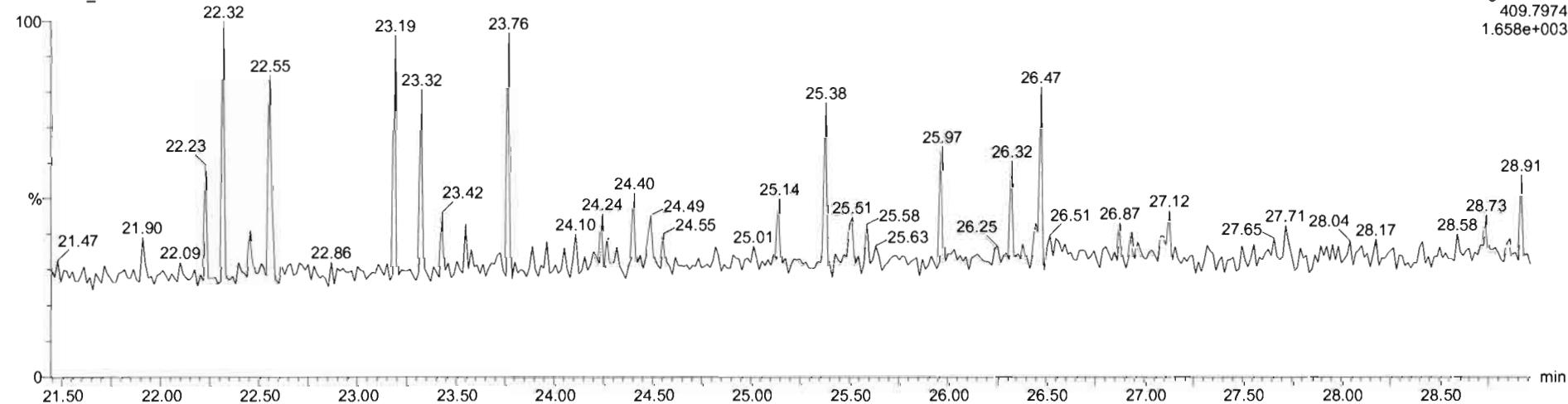


210414R1\_3



DPE6

210414R1\_3

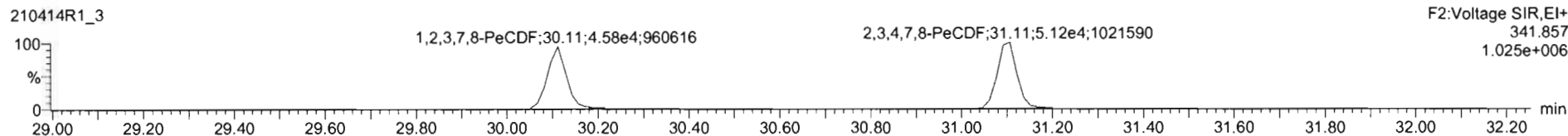


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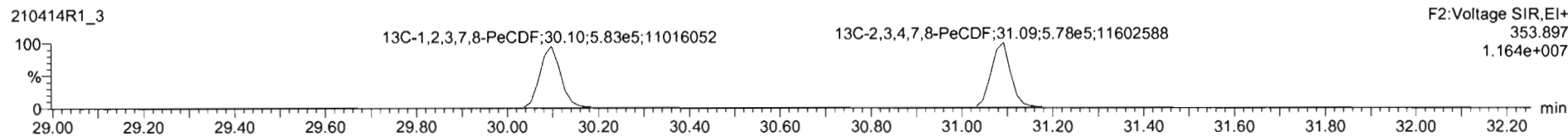
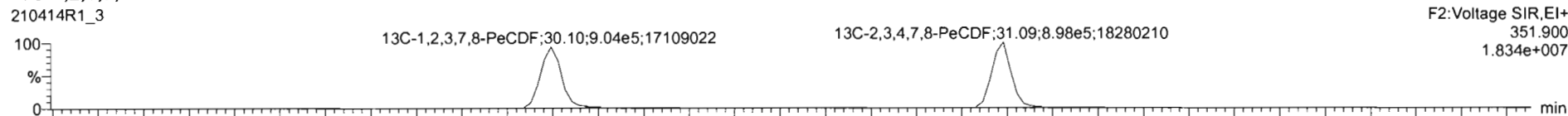
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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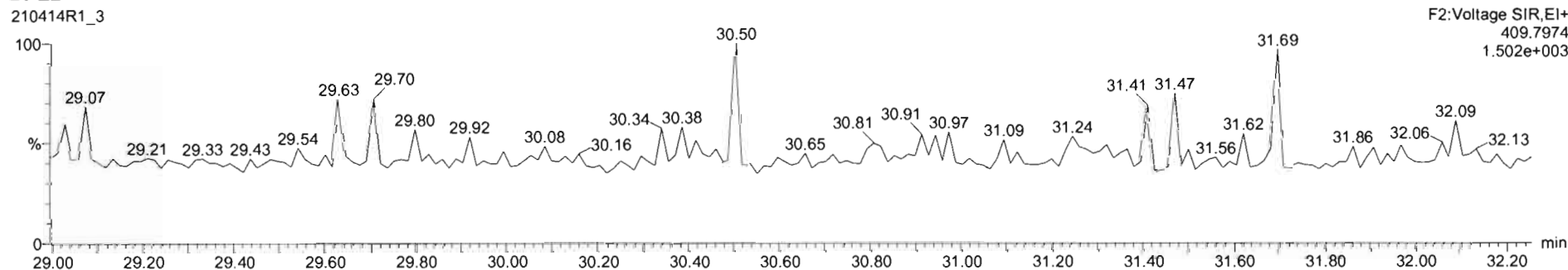
**1,2,3,7,8-PeCDF**



**13C-1,2,3,7,8-PeCDF**



**DPE2**



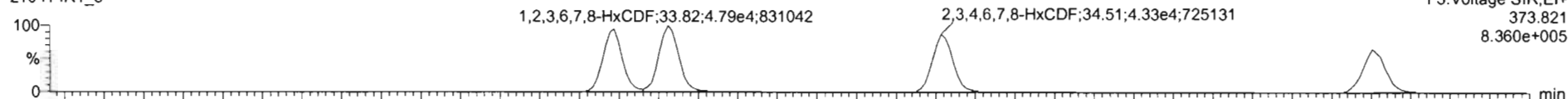
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Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

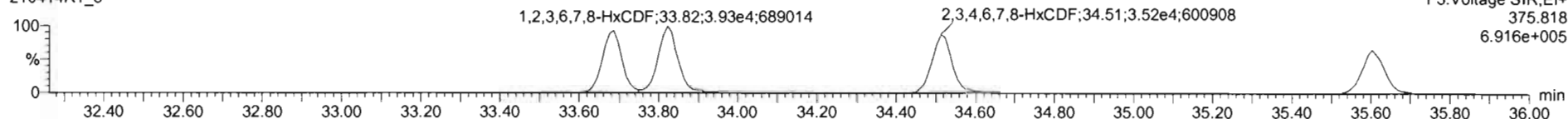
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**1,2,3,4,7,8-HxCDF**

210414R1\_3

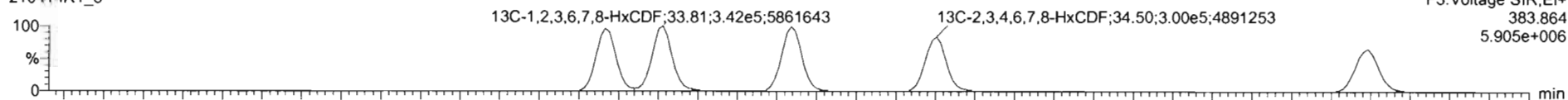


210414R1\_3

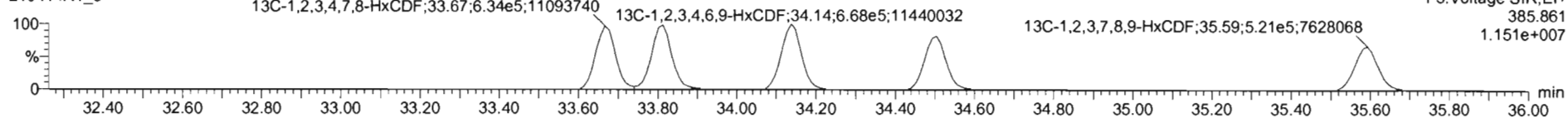


**13C-1,2,3,4,7,8-HxCDF**

210414R1\_3

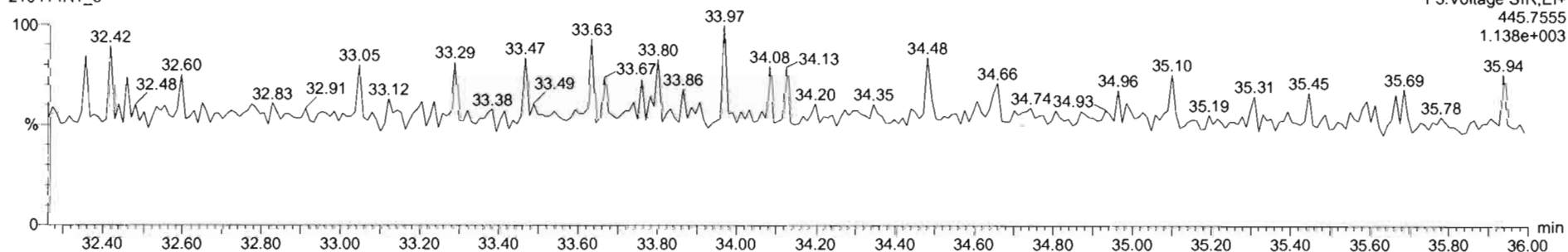


210414R1\_3



**DPE3**

210414R1\_3

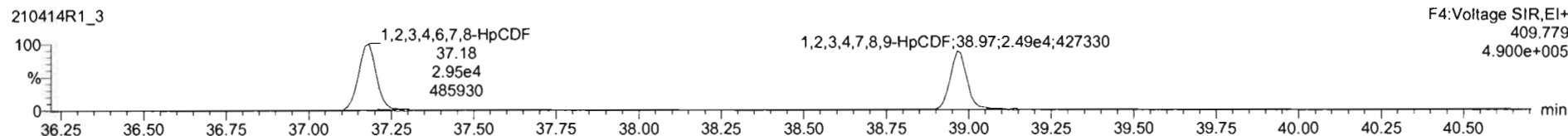


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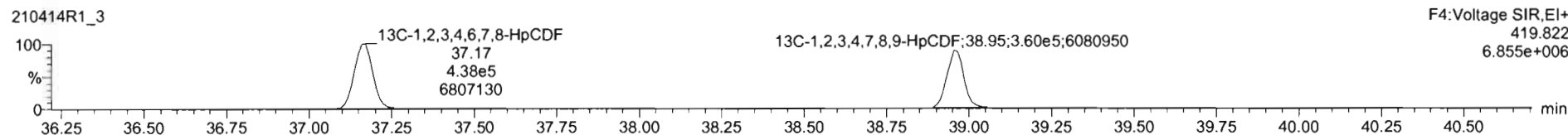
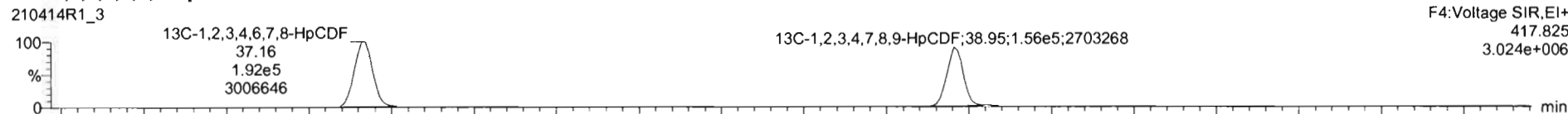
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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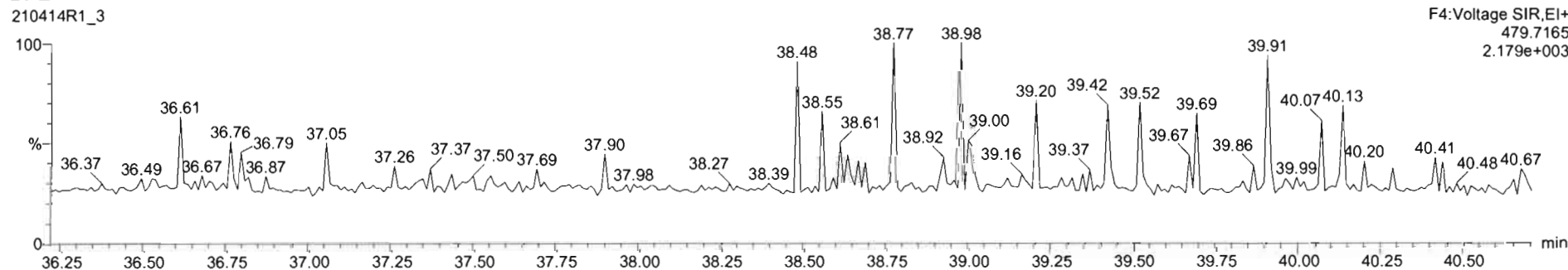
**1,2,3,4,6,7,8-HpCDF**



**13C-1,2,3,4,6,7,8-HpCDF**



**DPE4**

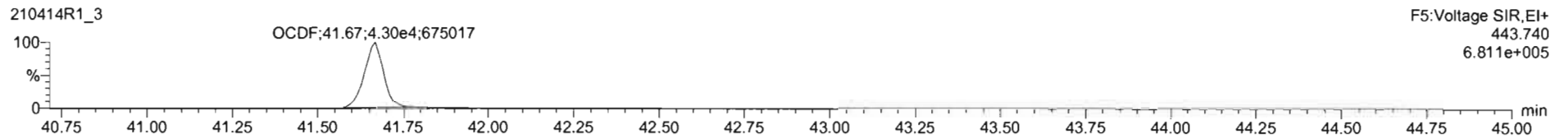
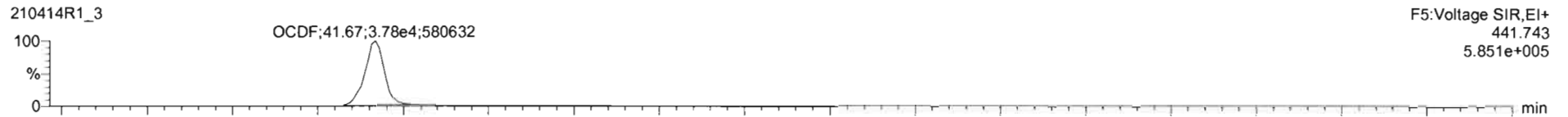


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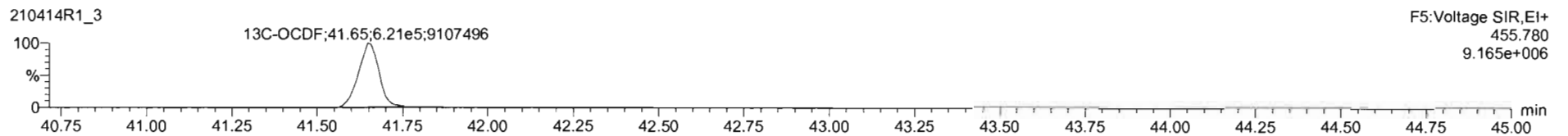
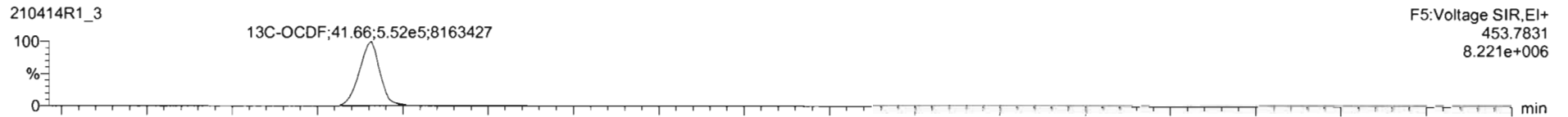
Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Name: 210414R1\_3, Date: 14-Apr-2021, Time: 11:26:41, ID: ST210414R1-3 1613 CS2 21C0104, Description: 1613 CS2 21C0104

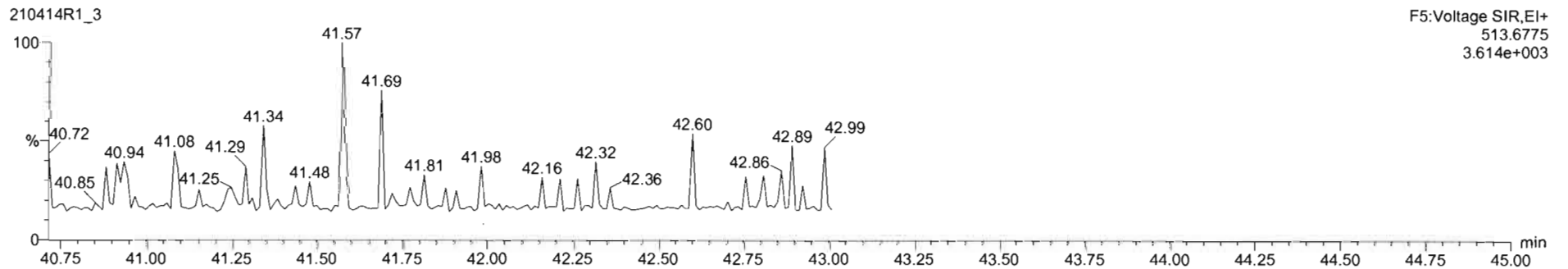
**OCDF**



**13C-OCDF**



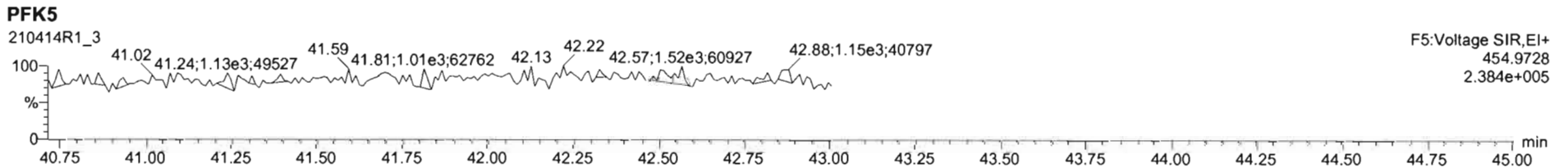
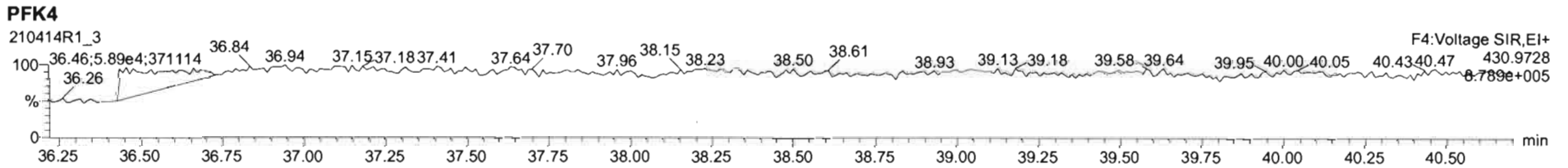
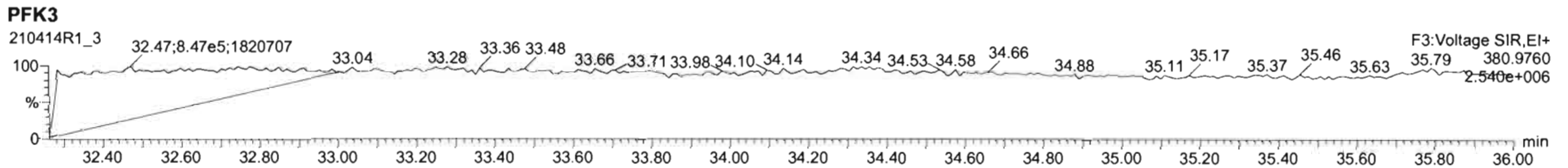
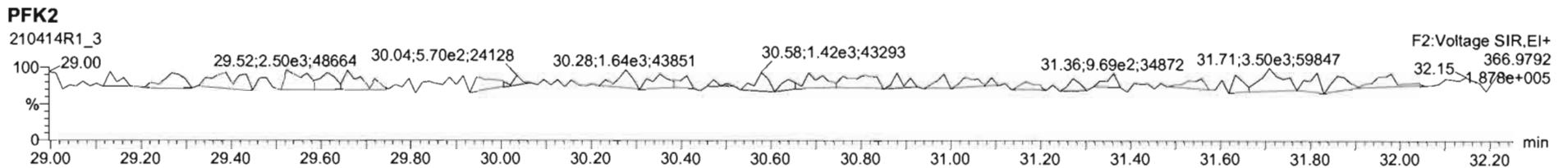
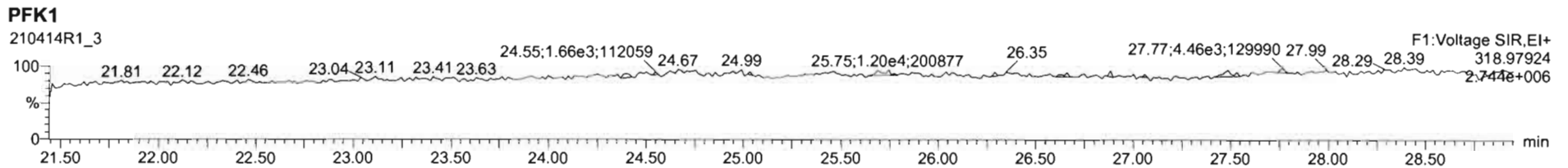
**DPE5**



Dataset: Untitled

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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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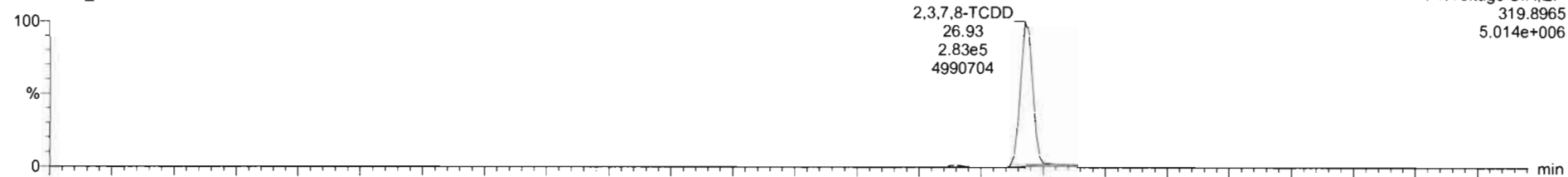
Dataset: Untitled

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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

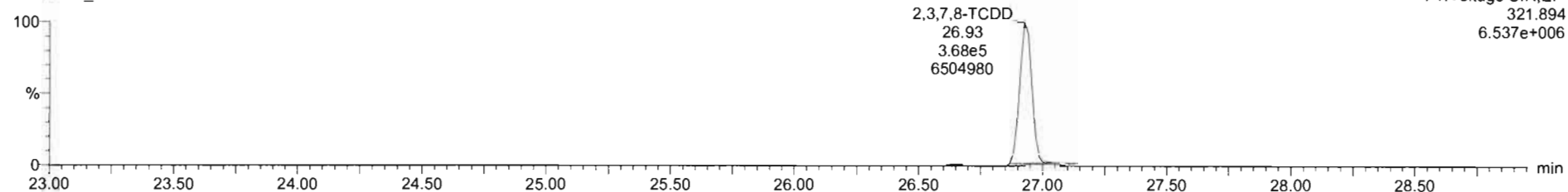
Name: 210414R1\_4, Date: 14-Apr-2021, Time: 12:13:44, ID: ST210414R1-4 1613 CS4 21C0106, Description: 1613 CS4 21C0106

**2,3,7,8-TCDD**

210414R1\_4

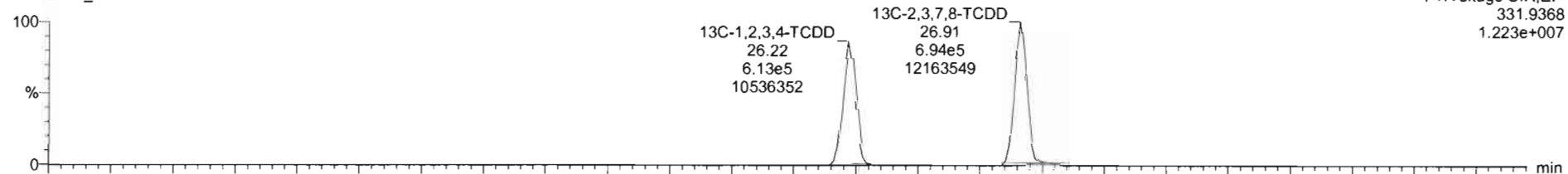


210414R1\_4

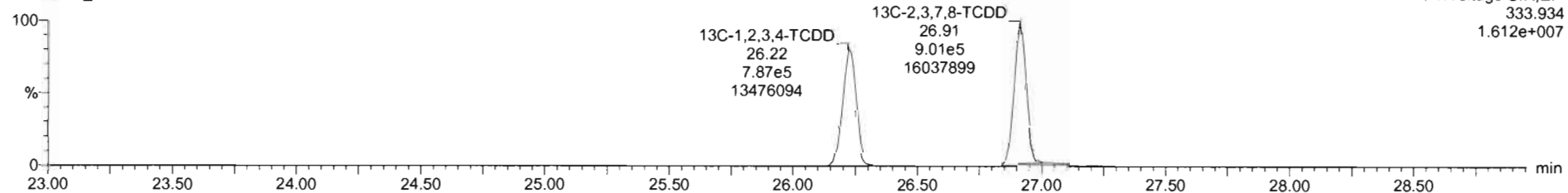


**13C-2,3,7,8-TCDD**

210414R1\_4



210414R1\_4



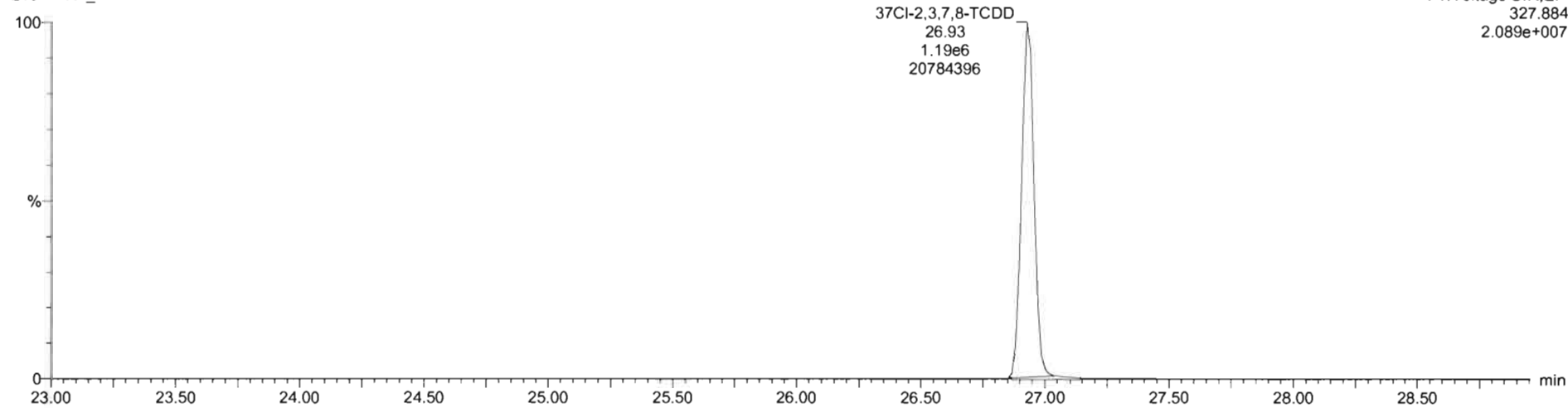
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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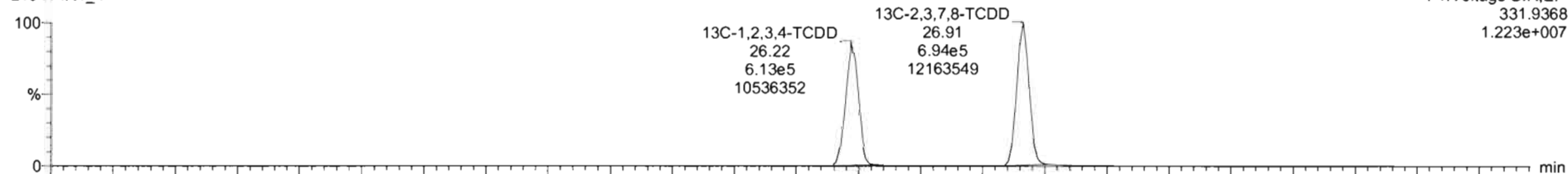
37Cl-2,3,7,8-TCDD

210414R1\_4

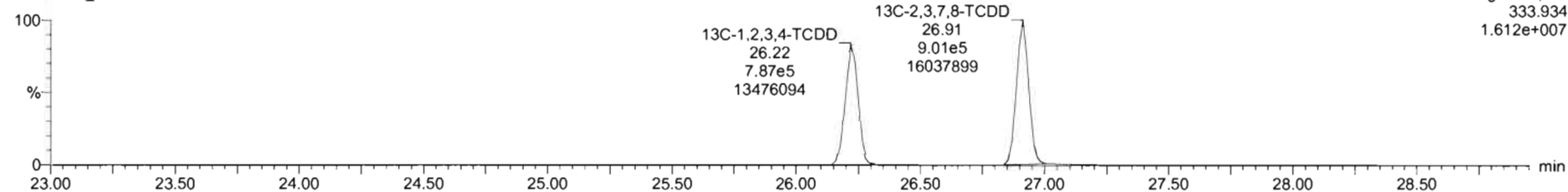


13C-1,2,3,4-TCDD

210414R1\_4



210414R1\_4





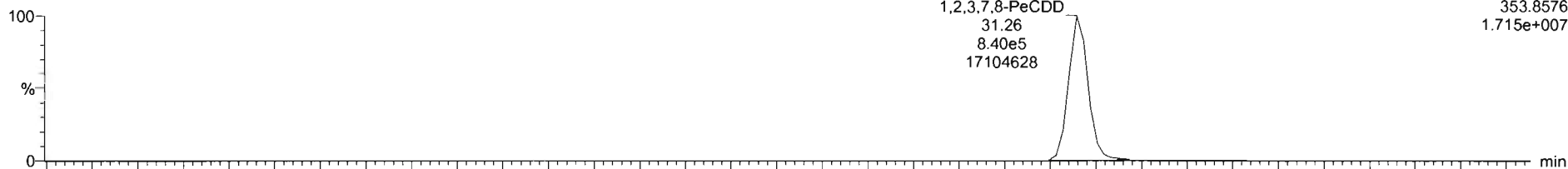
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

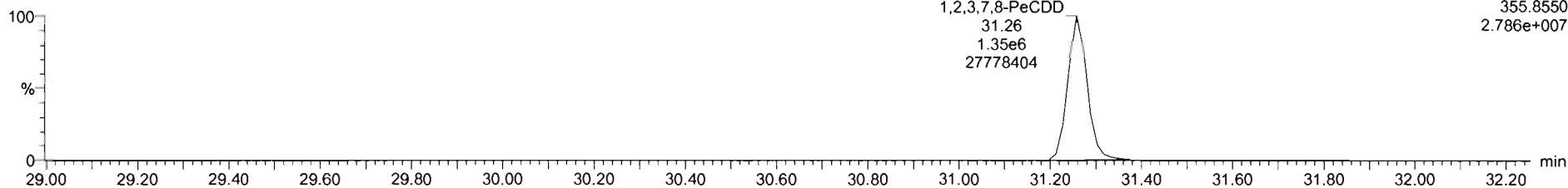
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**1,2,3,7,8-PeCDD**

210414R1\_4

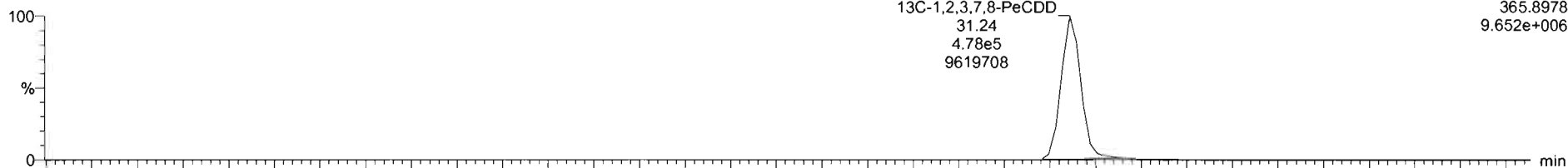


210414R1\_4

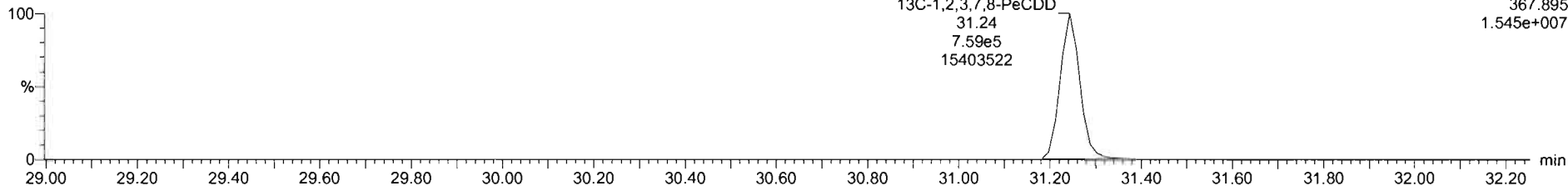


**13C-1,2,3,7,8-PeCDD**

210414R1\_4



210414R1\_4



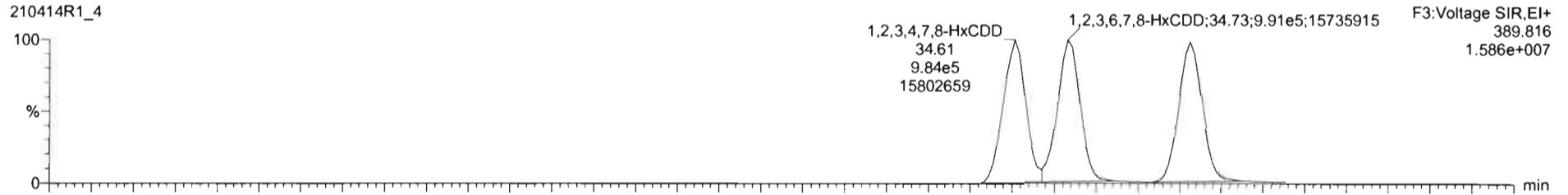
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

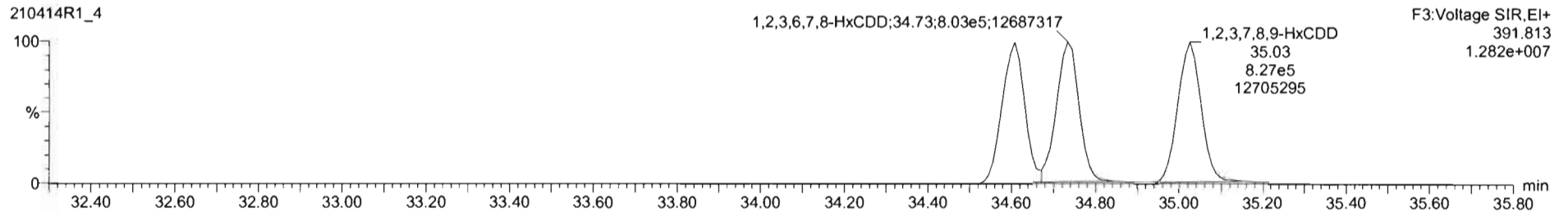
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**1,2,3,4,7,8-HxCDD**

210414R1\_4

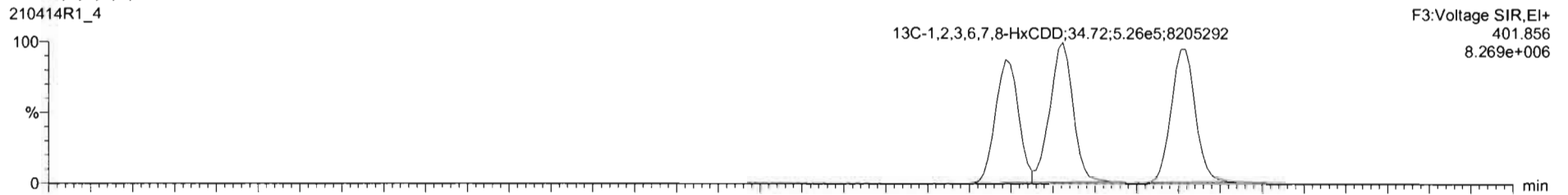


210414R1\_4

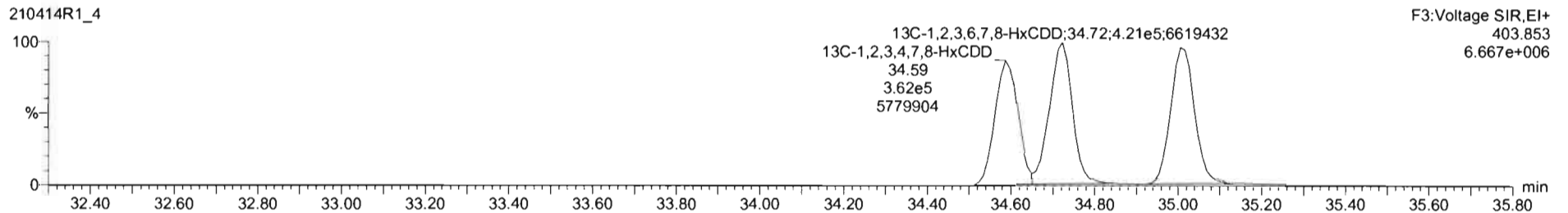


**13C-1,2,3,4,7,8-HxCDD**

210414R1\_4



210414R1\_4



Dataset: Untitled

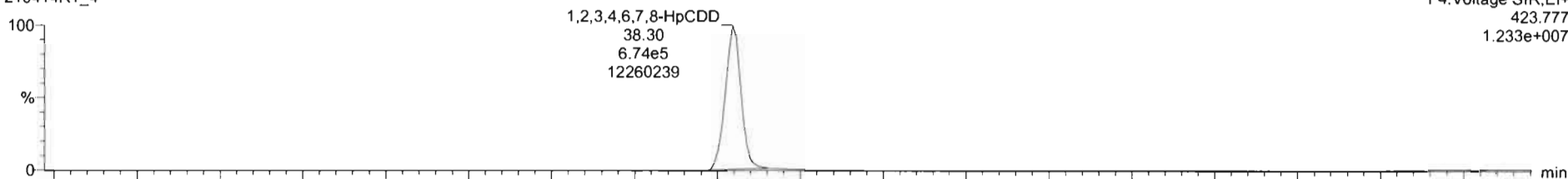
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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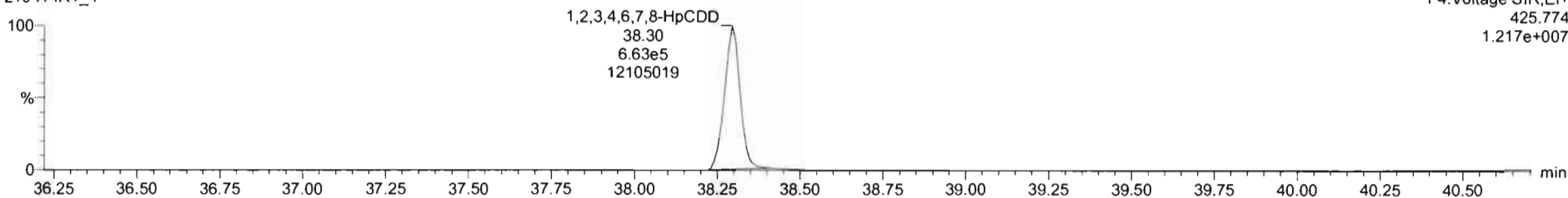
**1,2,3,4,6,7,8-HpCDD**

210414R1\_4



F4:Voltage SIR,EI+  
423.777  
1.233e+007

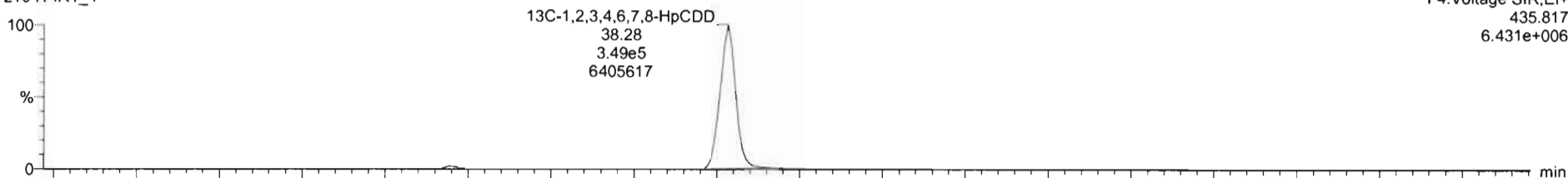
210414R1\_4



F4:Voltage SIR,EI+  
425.774  
1.217e+007

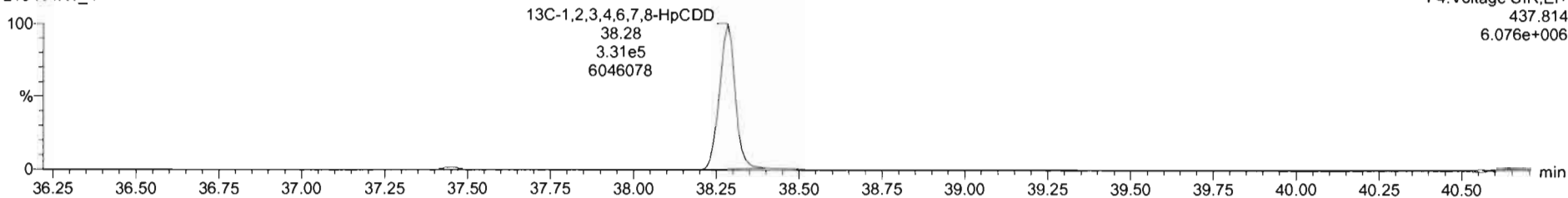
**13C-1,2,3,4,6,7,8-HpCDD**

210414R1\_4



F4:Voltage SIR,EI+  
435.817  
6.431e+006

210414R1\_4



F4:Voltage SIR,EI+  
437.814  
6.076e+006

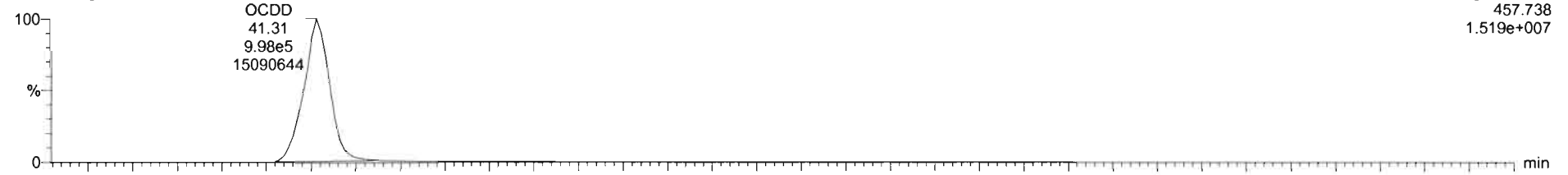
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

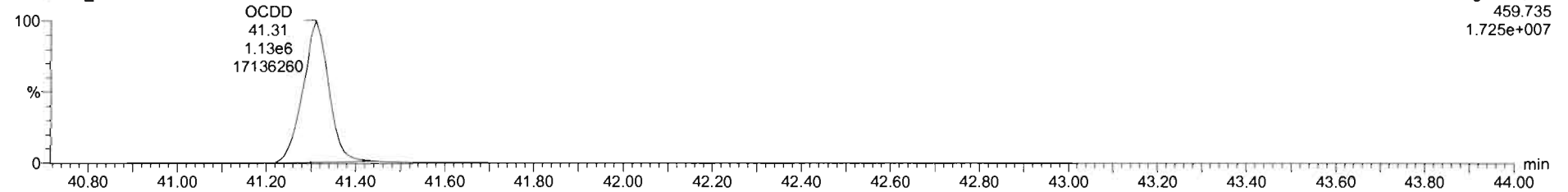
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**OCDD**

210414R1\_4

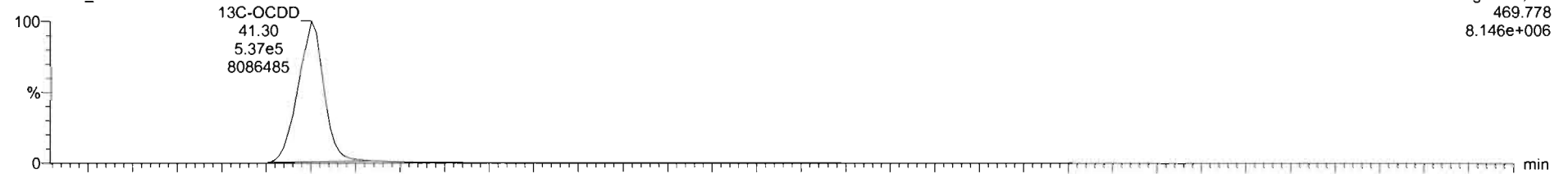


210414R1\_4

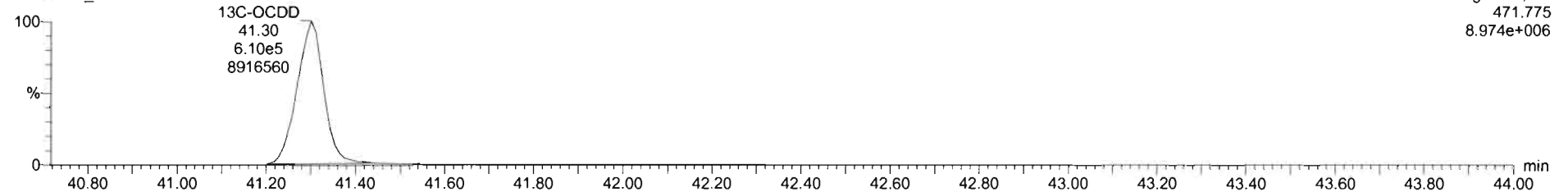


**13C-OCDD**

210414R1\_4



210414R1\_4



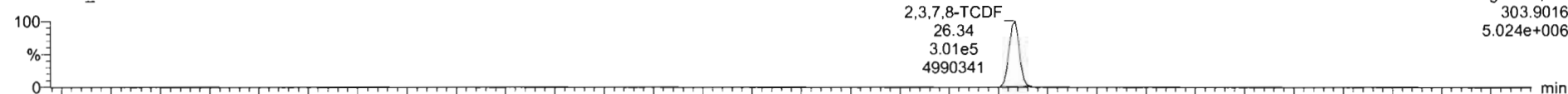
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

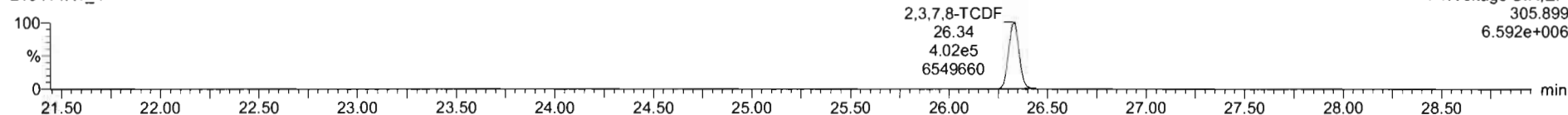
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**2,3,7,8-TCDF**

210414R1\_4

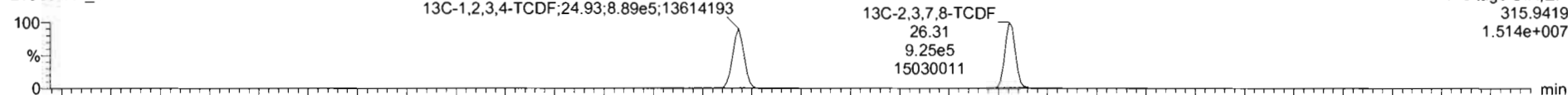


210414R1\_4

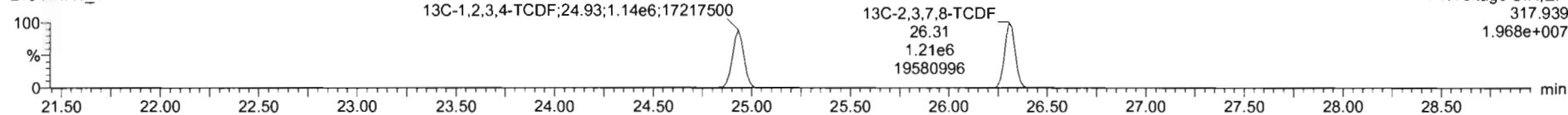


**13C-2,3,7,8-TCDF**

210414R1\_4

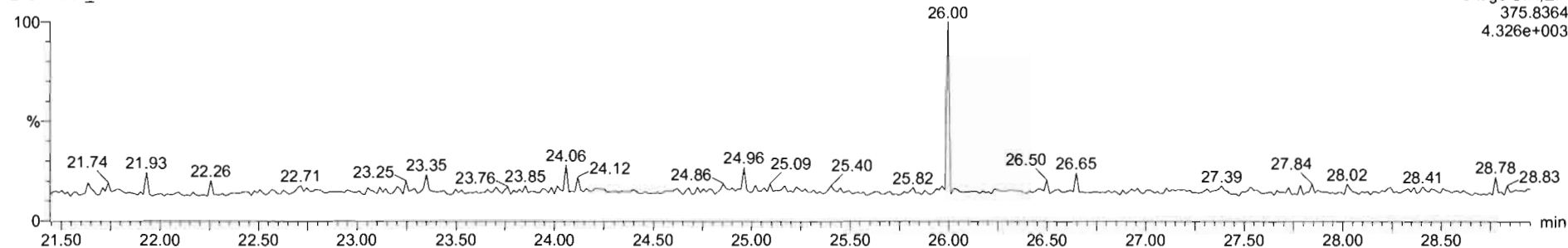


210414R1\_4



**DPE1**

210414R1\_4



Dataset: Untitled

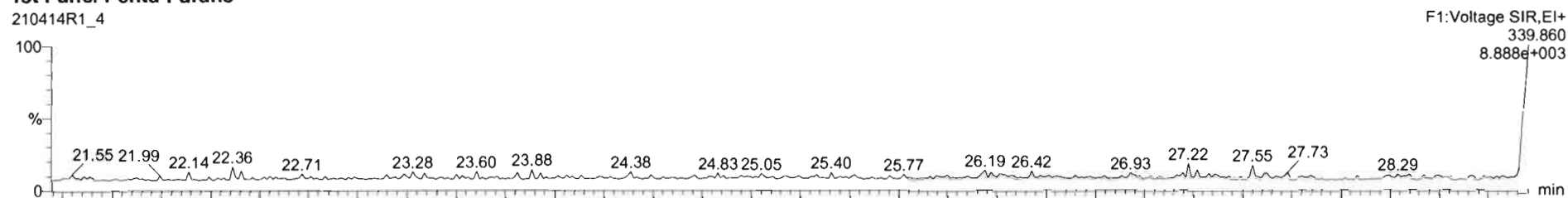
Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time

Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

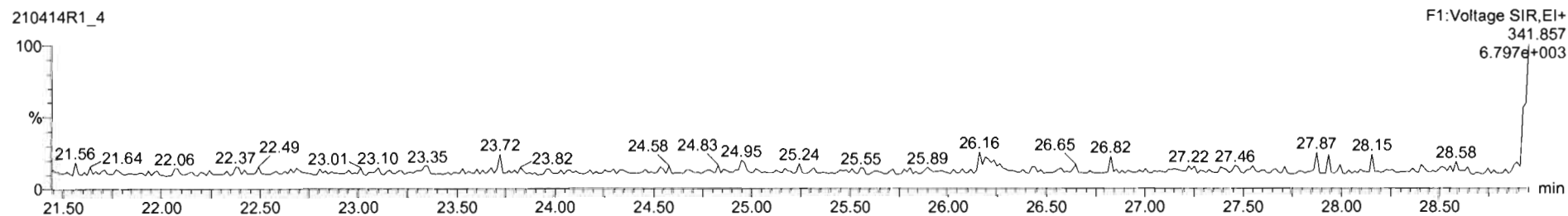
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1st Func. Penta-Furans

210414R1\_4

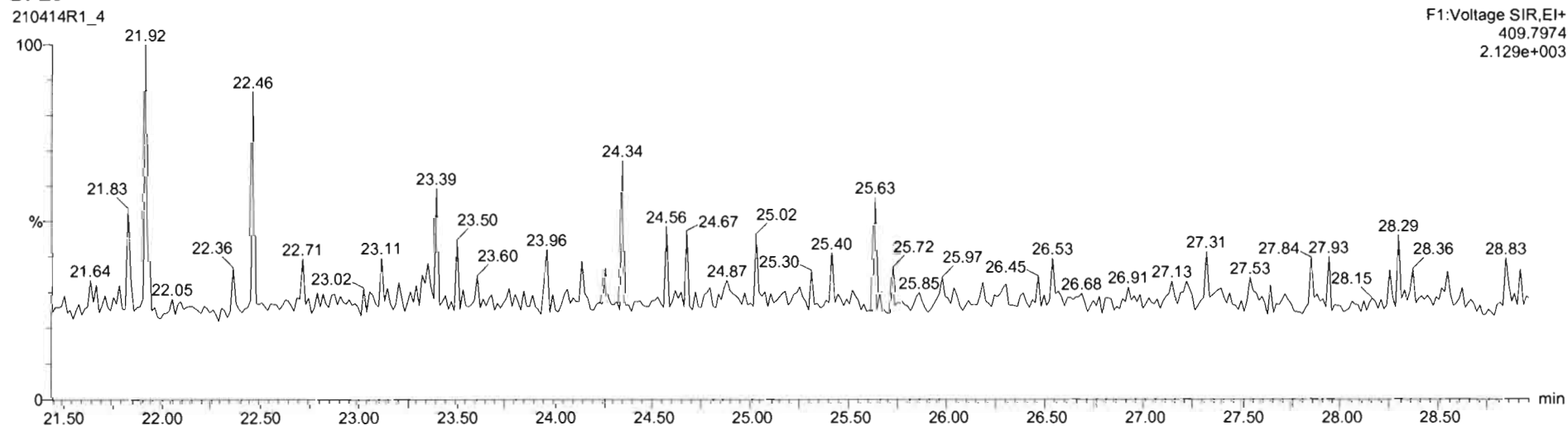


210414R1\_4



DPE6

210414R1\_4



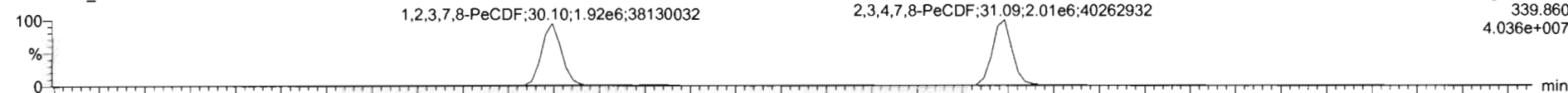
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Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Name: 210414R1\_4, Date: 14-Apr-2021, Time: 12:13:44, ID: ST210414R1-4 1613 CS4 21C0106, Description: 1613 CS4 21C0106

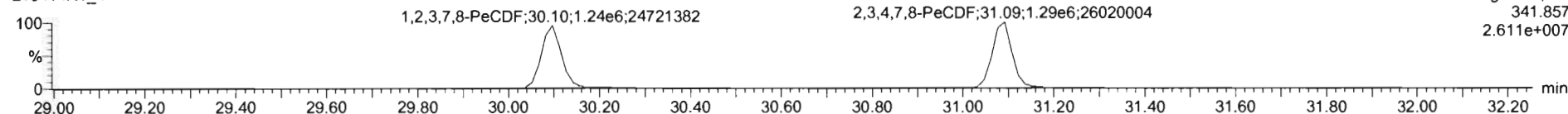
**1,2,3,7,8-PeCDF**

210414R1\_4



F2:Voltage SIR,EI+  
339.860  
4.036e+007

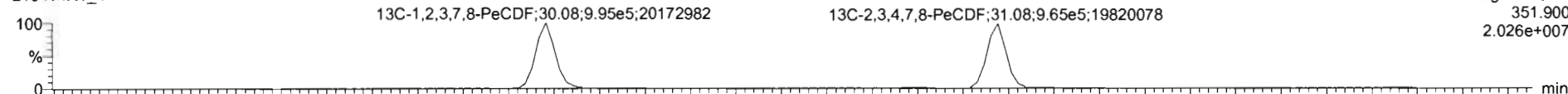
210414R1\_4



F2:Voltage SIR,EI+  
341.857  
2.611e+007

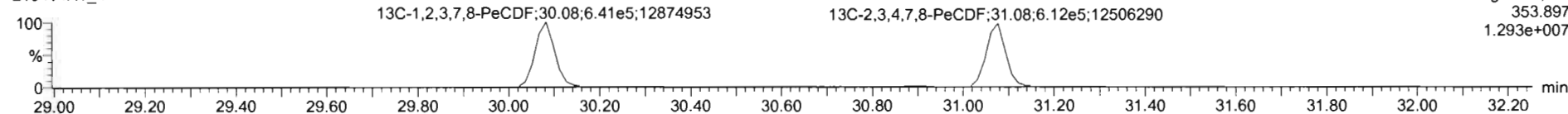
**13C-1,2,3,7,8-PeCDF**

210414R1\_4



F2:Voltage SIR,EI+  
351.900  
2.026e+007

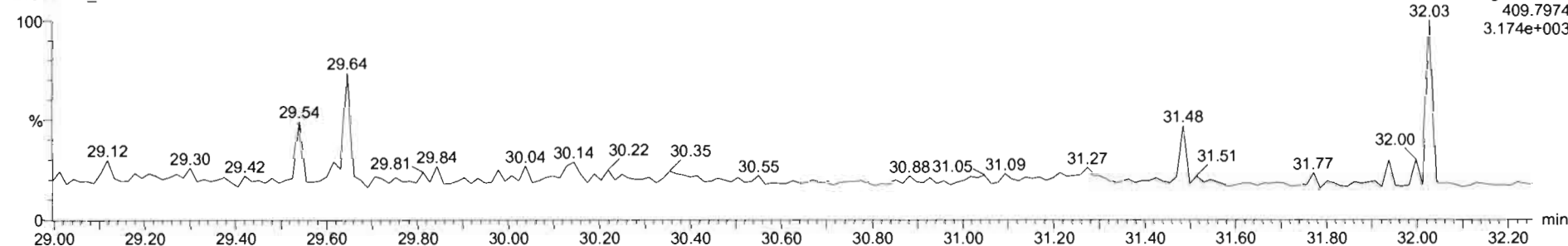
210414R1\_4



F2:Voltage SIR,EI+  
353.897  
1.293e+007

**DPE2**

210414R1\_4



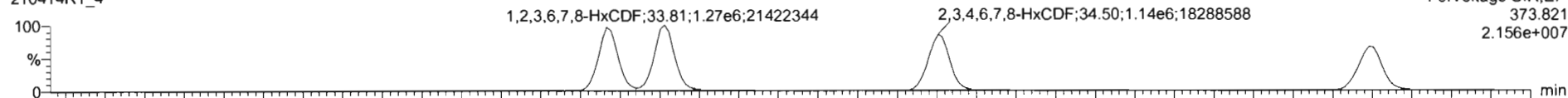
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Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

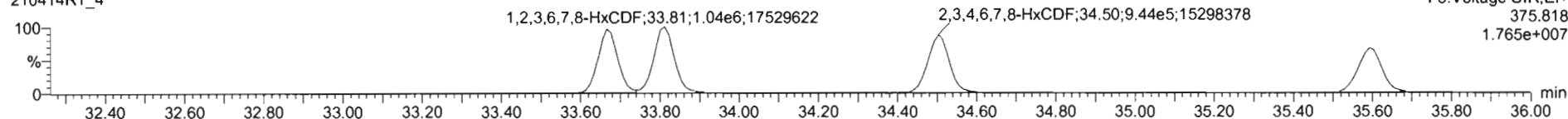
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**1,2,3,4,7,8-HxCDF**

210414R1\_4

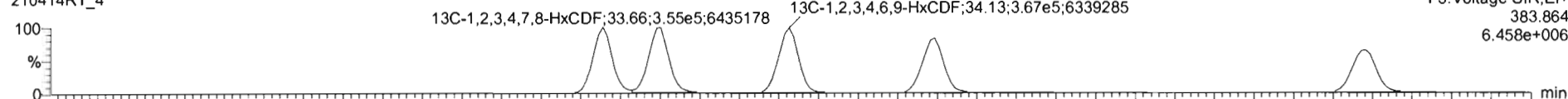


210414R1\_4

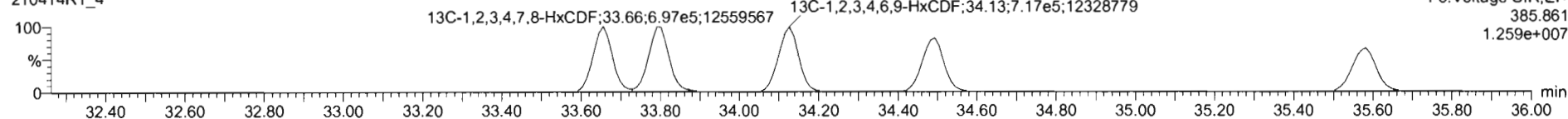


**13C-1,2,3,4,7,8-HxCDF**

210414R1\_4

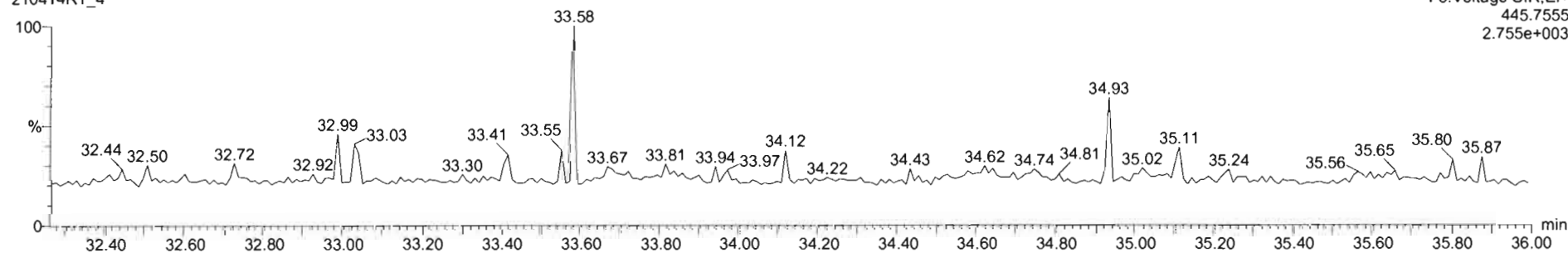


210414R1\_4



**DPE3**

210414R1\_4





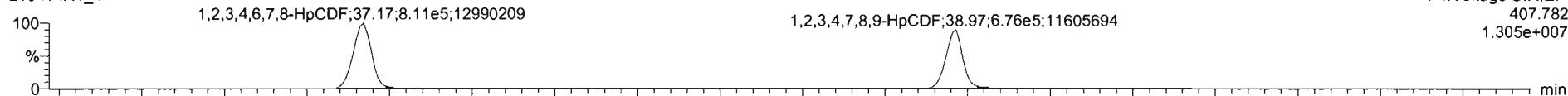
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

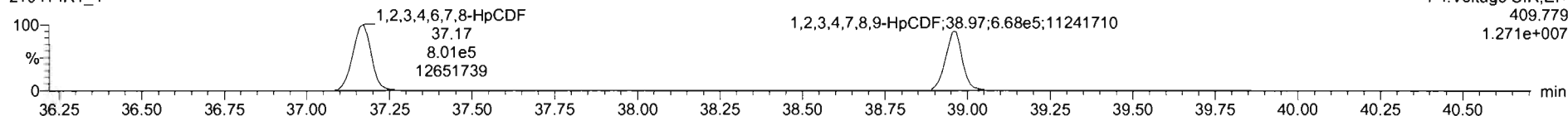
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**1,2,3,4,6,7,8-HpCDF**

210414R1\_4

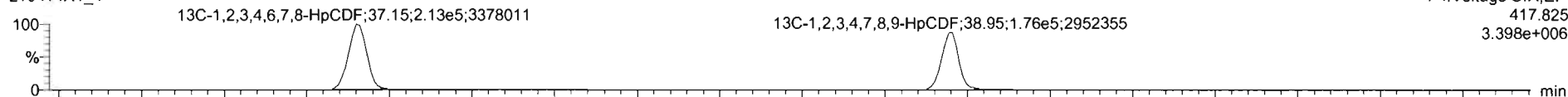


210414R1\_4

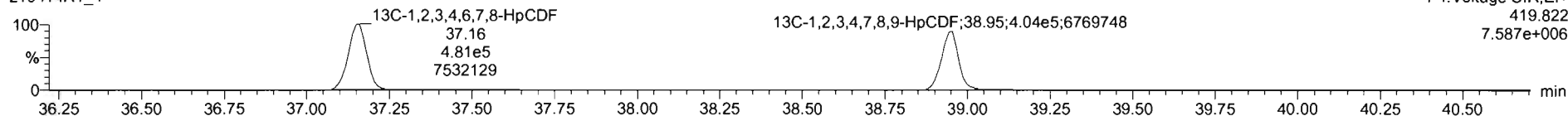


**13C-1,2,3,4,6,7,8-HpCDF**

210414R1\_4

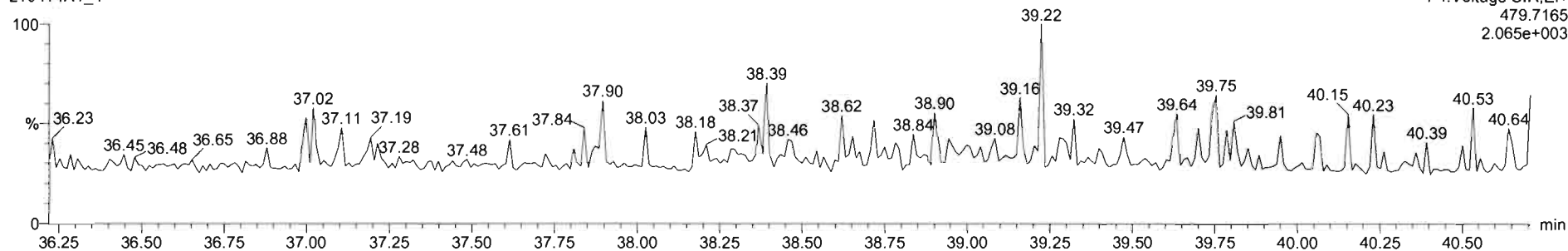


210414R1\_4



**DPE4**

210414R1\_4

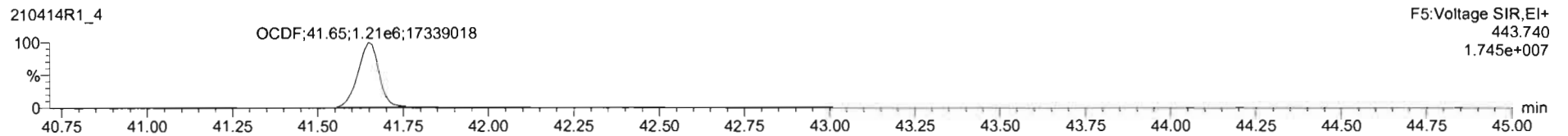
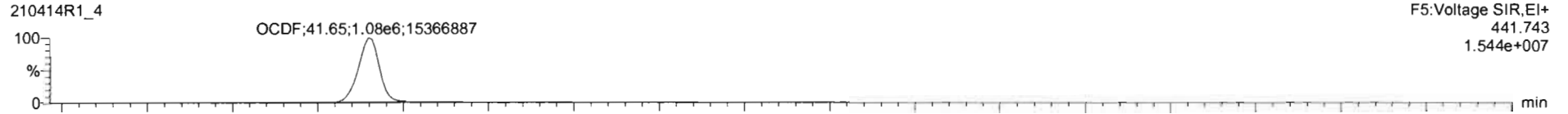


Dataset: Untitled

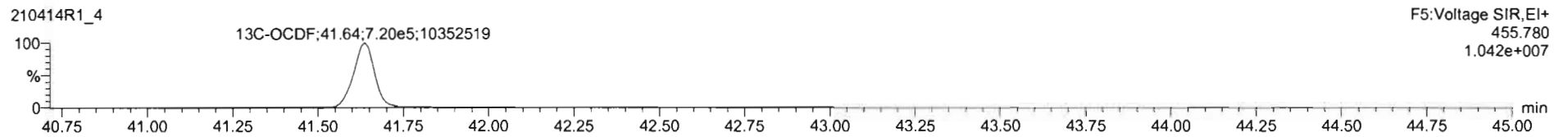
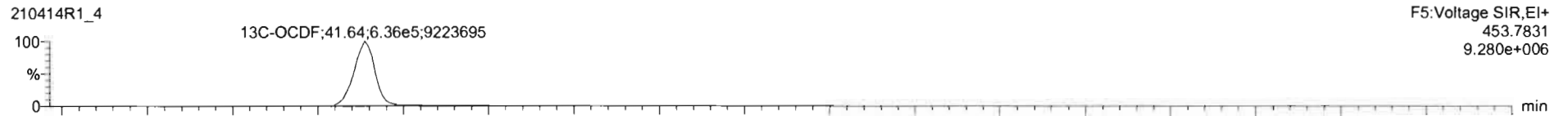
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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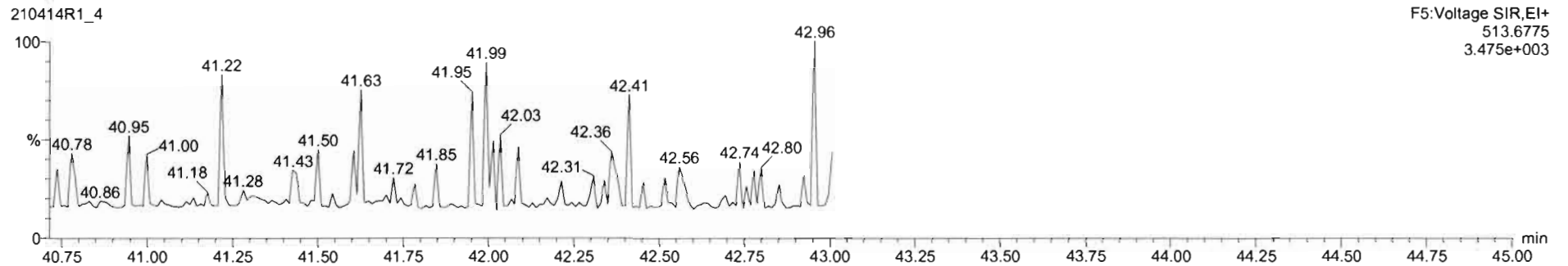
**OCDF**



**13C-OCDF**



**DPE5**



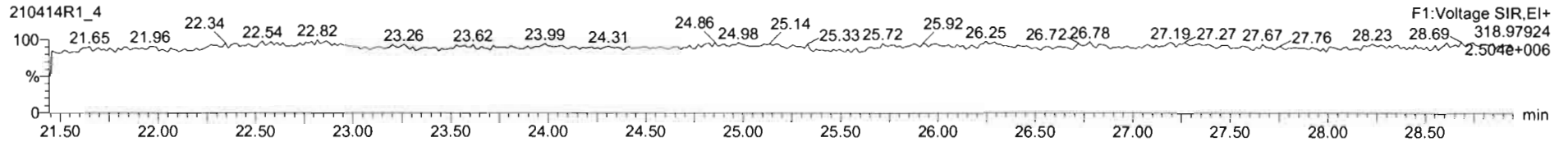
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Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time

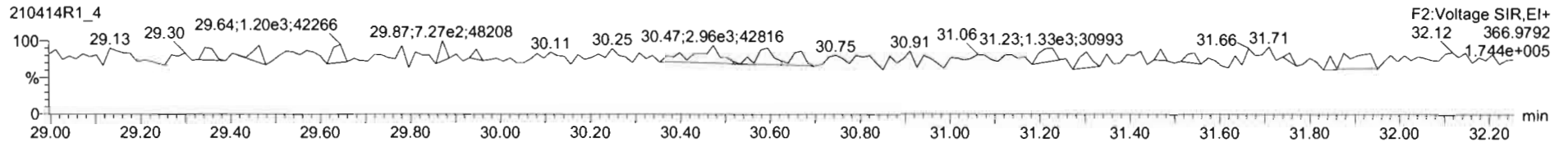
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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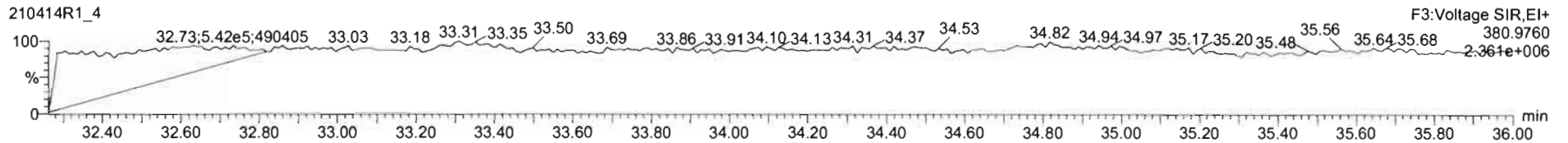
**PFK1**



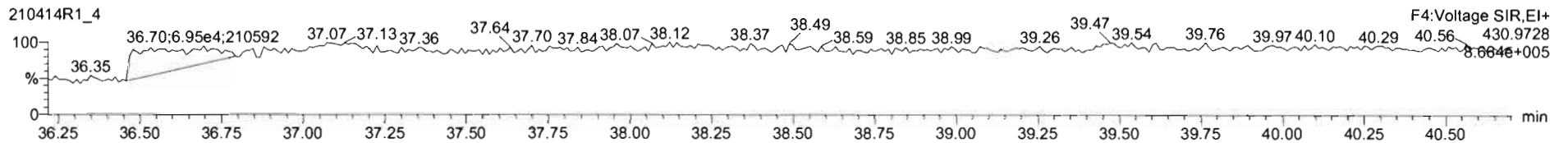
**PFK2**



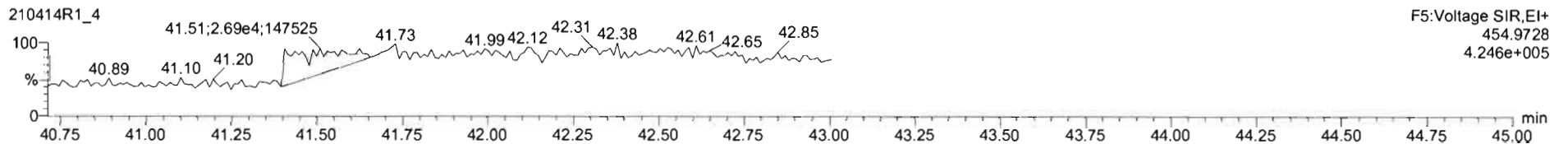
**PFK3**



**PFK4**



**PFK5**



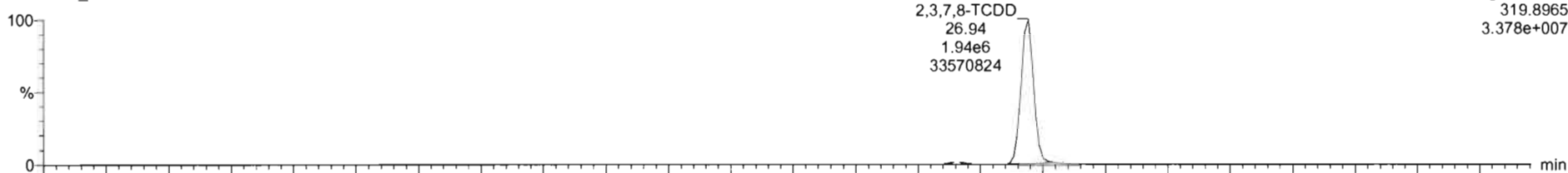
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Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Name: 210414R1\_5, Date: 14-Apr-2021, Time: 12:59:55, ID: ST210414R1-5 1613 CS5 21C0107, Description: 1613 CS5 21C0107

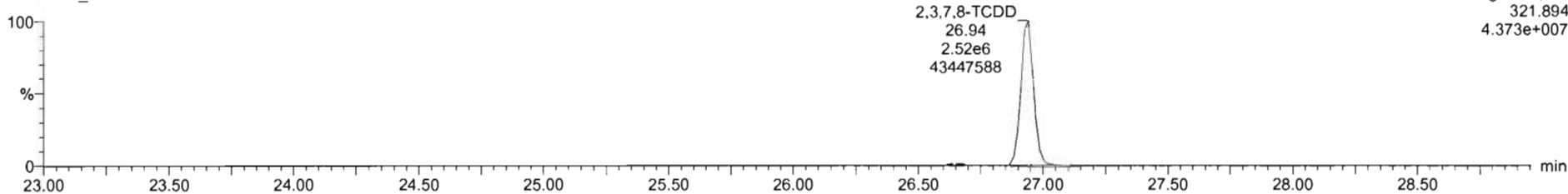
**2,3,7,8-TCDD**

210414R1\_5



F1:Voltage SIR,EI+  
319.8965  
3.378e+007

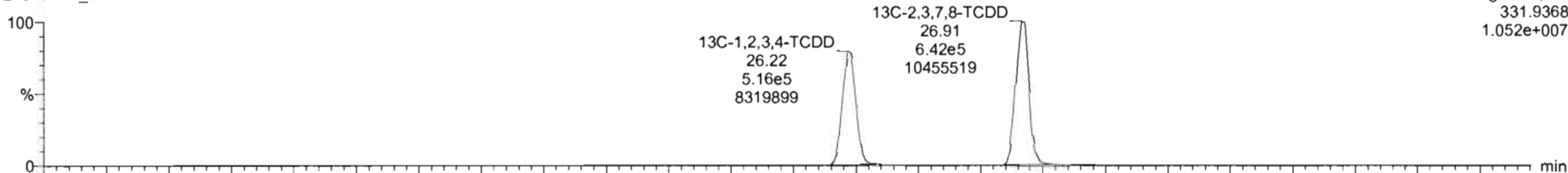
210414R1\_5



F1:Voltage SIR,EI+  
321.894  
4.373e+007

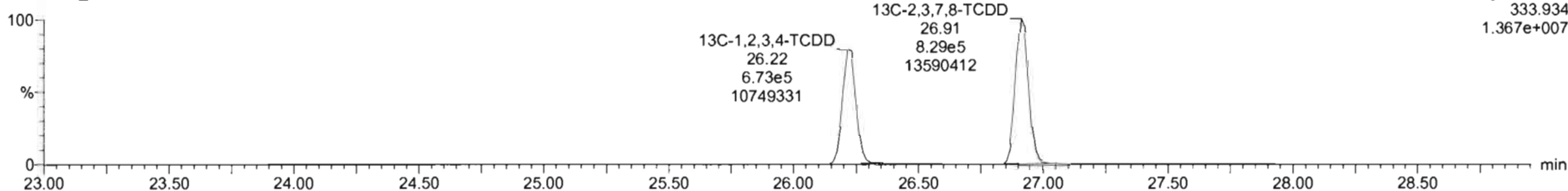
**13C-2,3,7,8-TCDD**

210414R1\_5



F1:Voltage SIR,EI+  
331.9368  
1.052e+007

210414R1\_5



F1:Voltage SIR,EI+  
333.934  
1.367e+007

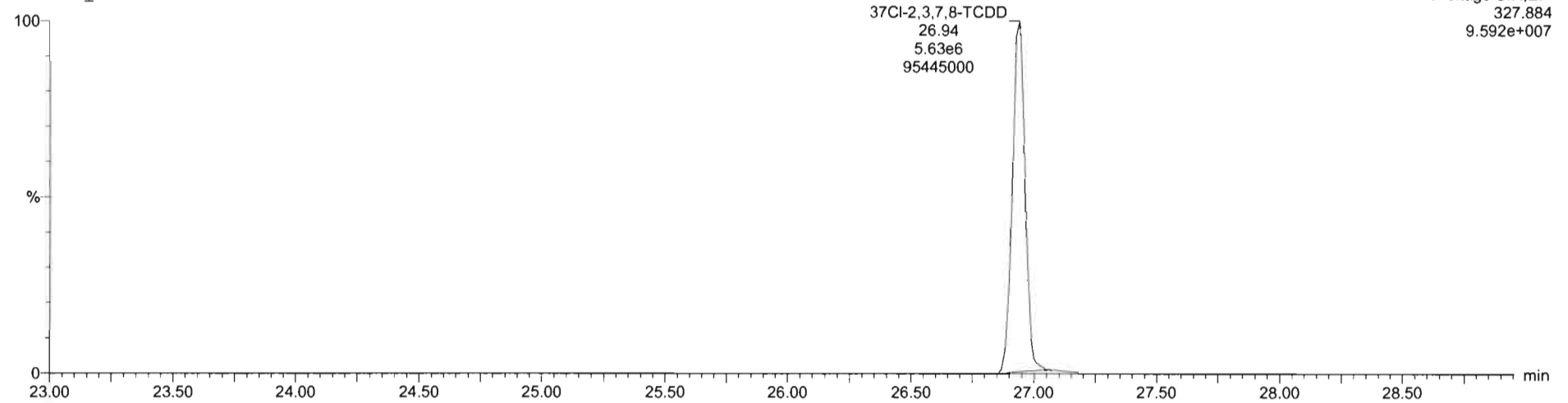
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Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Name: 210414R1\_5, Date: 14-Apr-2021, Time: 12:59:55, ID: ST210414R1-5 1613 CS5 21C0107, Description: 1613 CS5 21C0107

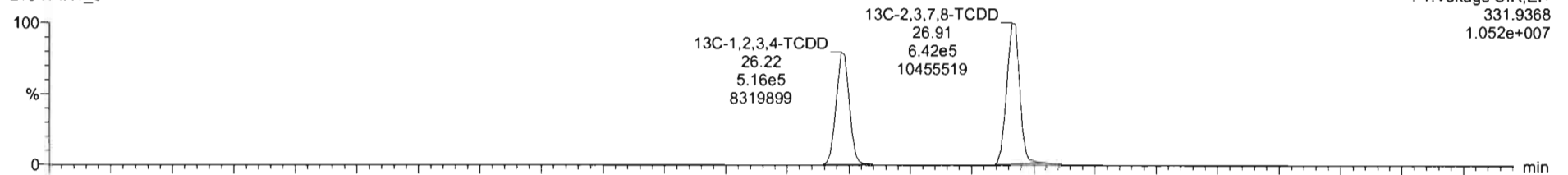
**37Cl-2,3,7,8-TCDD**

210414R1\_5

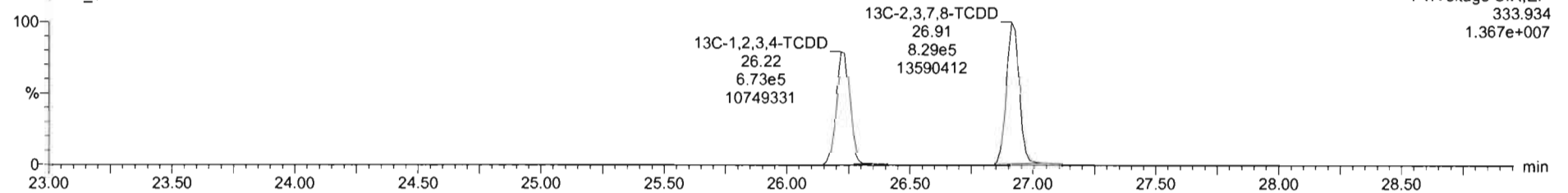


**13C-1,2,3,4-TCDD**

210414R1\_5



210414R1\_5



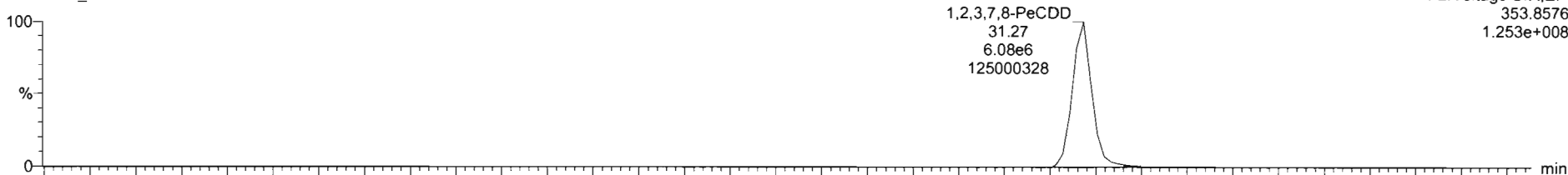
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

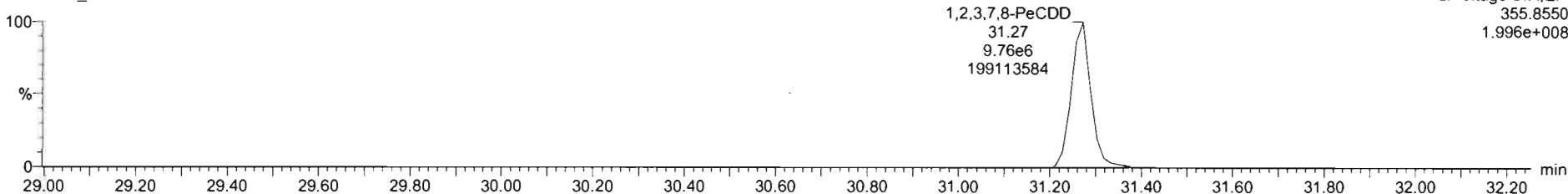
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**1,2,3,7,8-PeCDD**

210414R1\_5

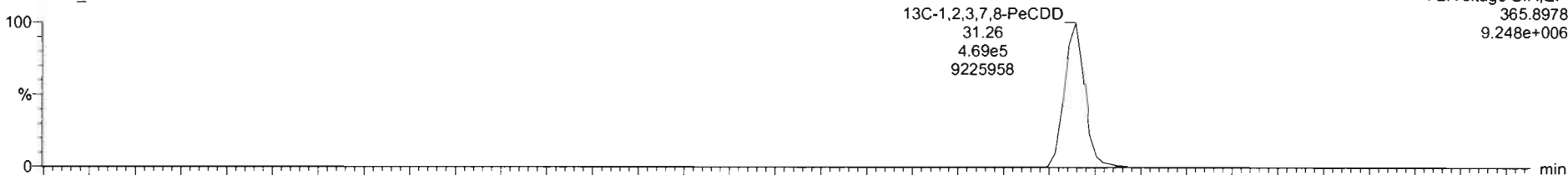


210414R1\_5

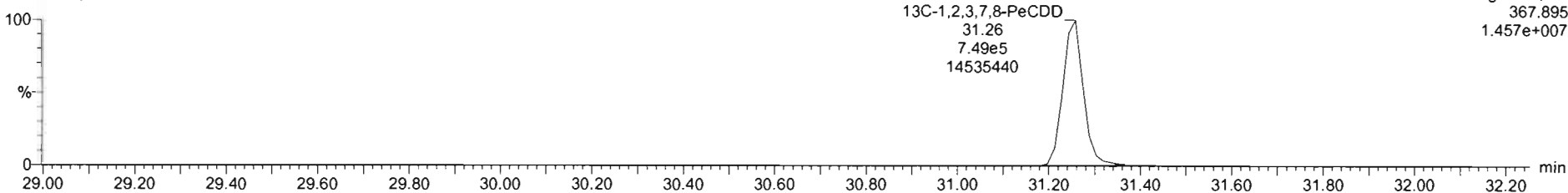


**13C-1,2,3,7,8-PeCDD**

210414R1\_5



210414R1\_5



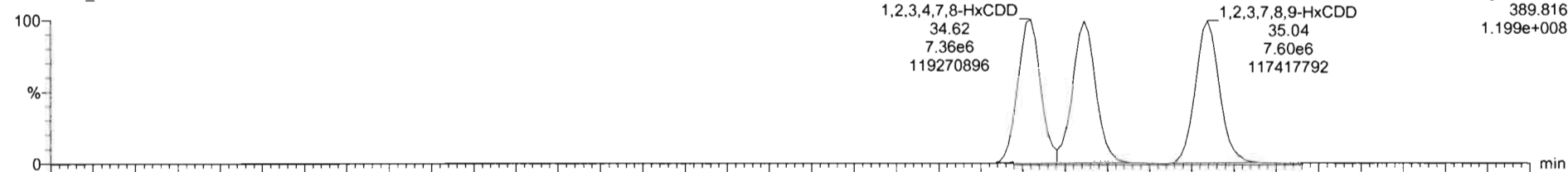
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

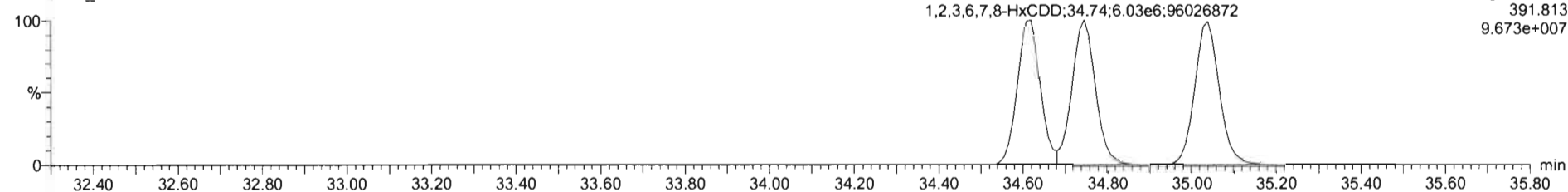
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1,2,3,4,7,8-HxCDD

210414R1\_5

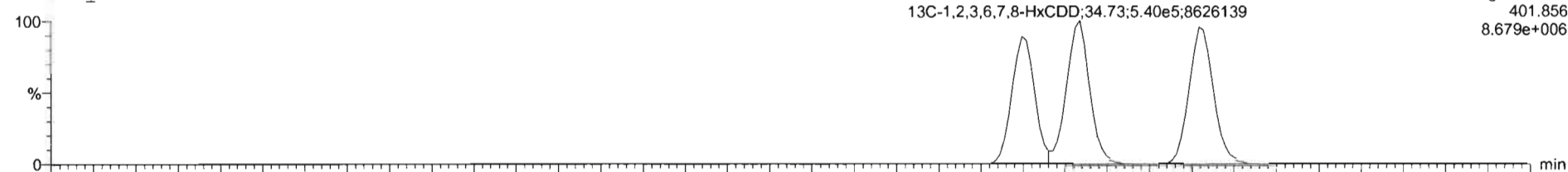


210414R1\_5

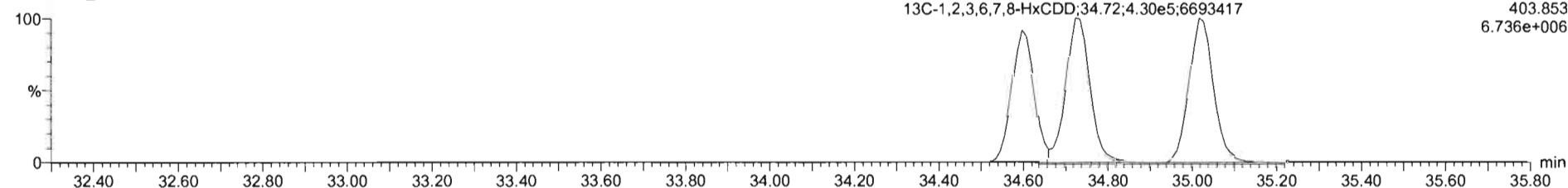


13C-1,2,3,4,7,8-HxCDD

210414R1\_5



210414R1\_5



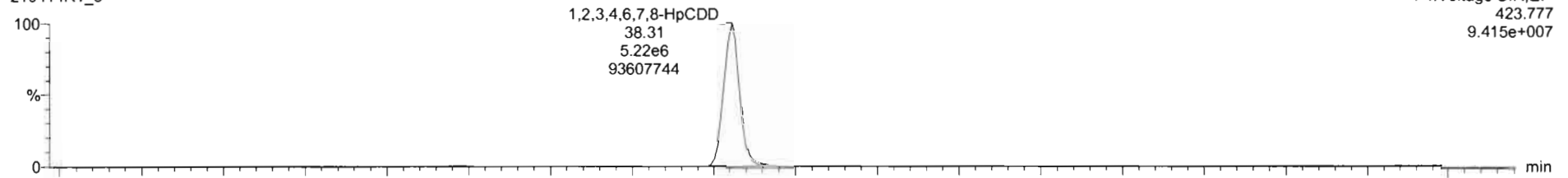
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

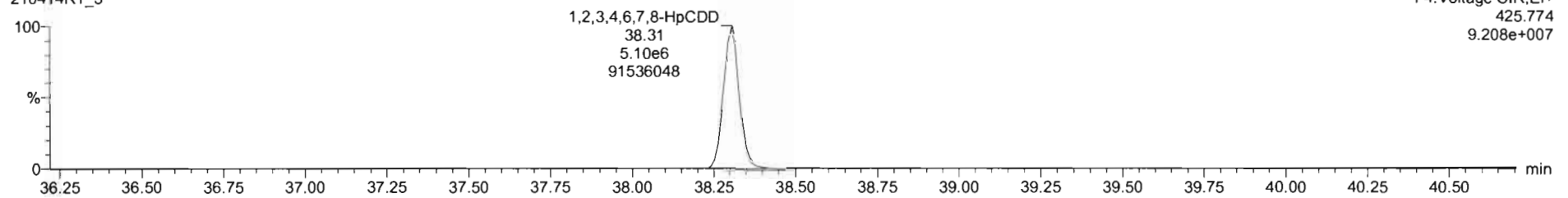
Name: 210414R1\_5, Date: 14-Apr-2021, Time: 12:59:55, ID: ST210414R1-5 1613 CS5 21C0107, Description: 1613 CS5 21C0107

**1,2,3,4,6,7,8-HpCDD**

210414R1\_5

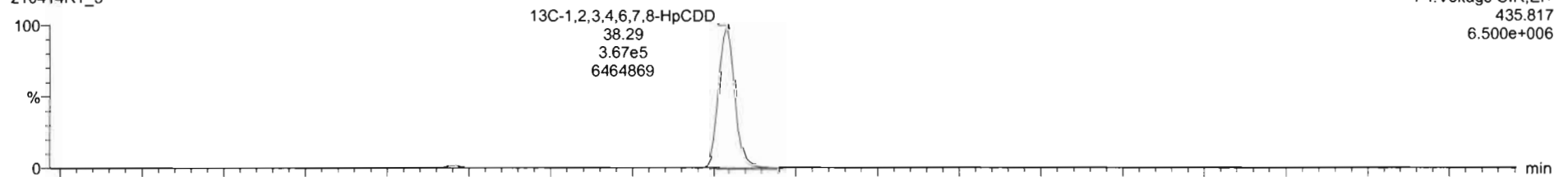


210414R1\_5

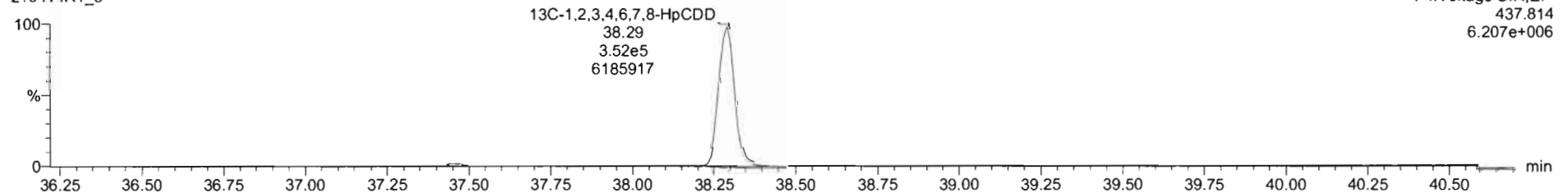


**13C-1,2,3,4,6,7,8-HpCDD**

210414R1\_5



210414R1\_5





Dataset: Untitled

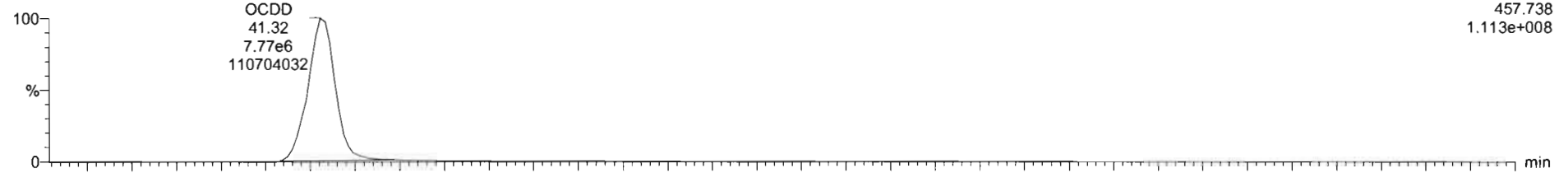
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

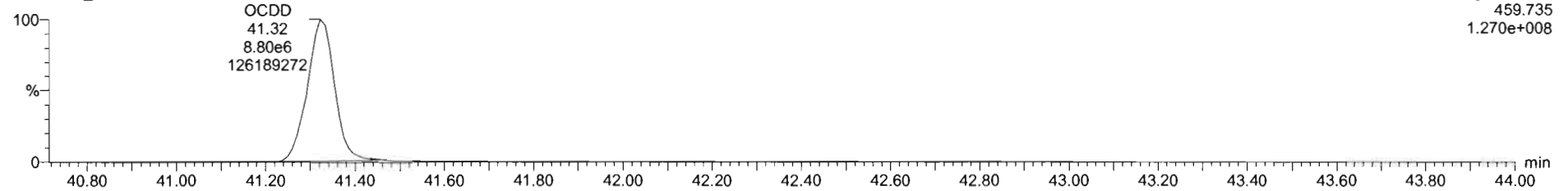
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**OCDD**

210414R1\_5

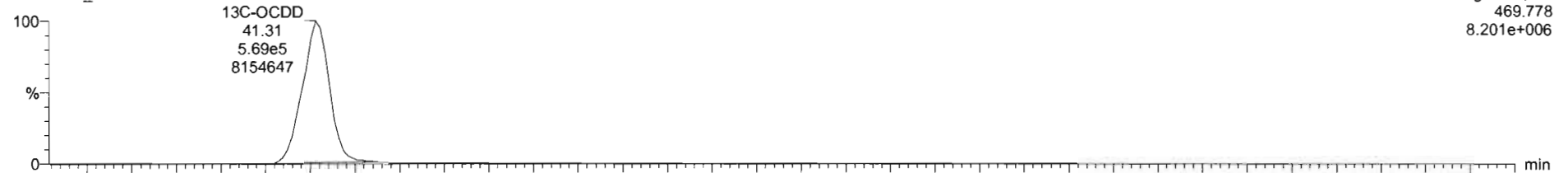


210414R1\_5

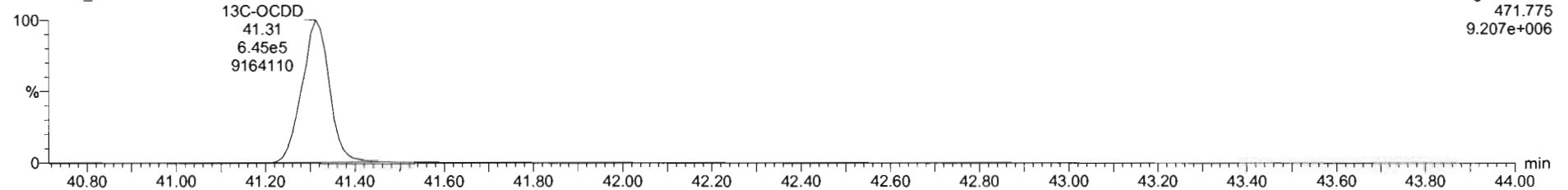


**13C-OCDD**

210414R1\_5



210414R1\_5



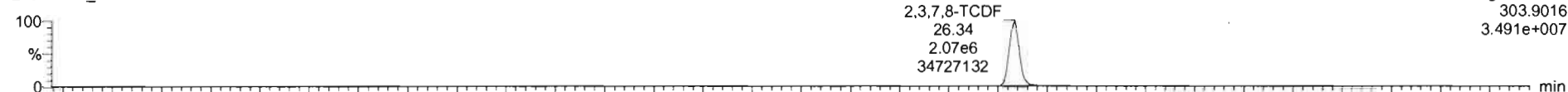
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

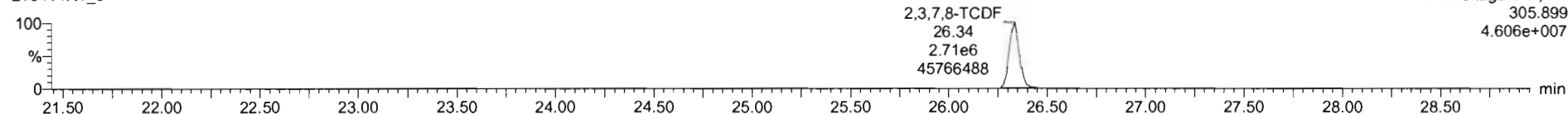
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**2,3,7,8-TCDF**

210414R1\_5

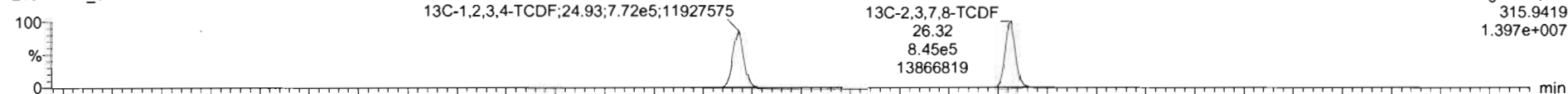


210414R1\_5

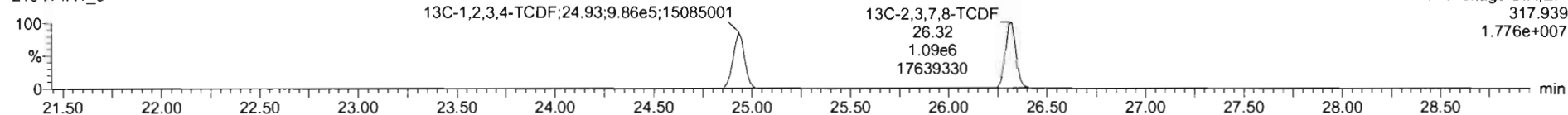


**13C-2,3,7,8-TCDF**

210414R1\_5

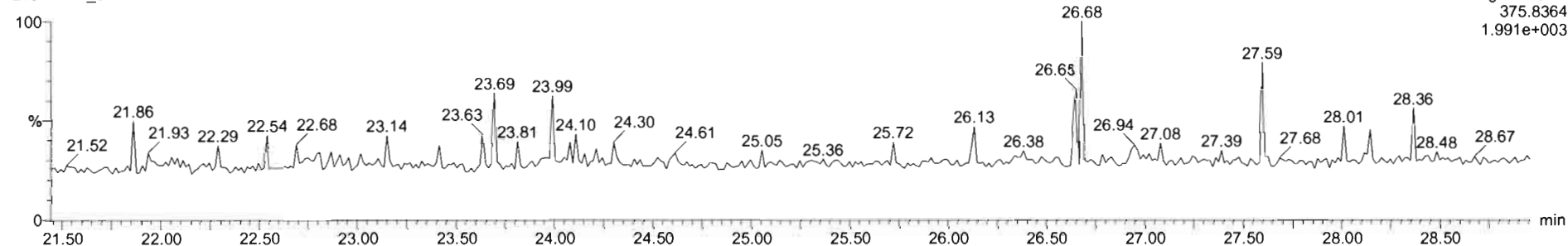


210414R1\_5



**DPE1**

210414R1\_5



Dataset: Untitled

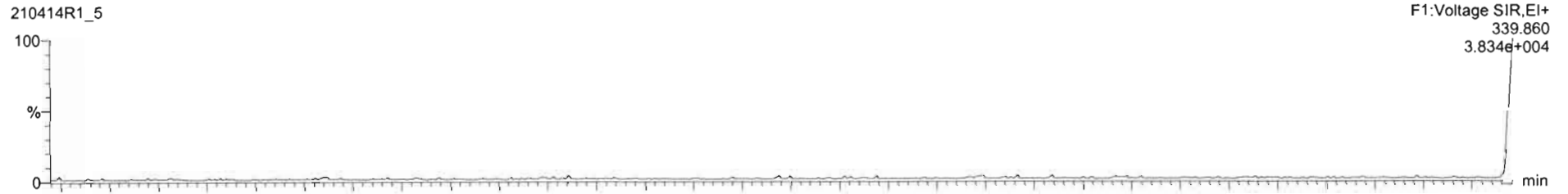
Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time

Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

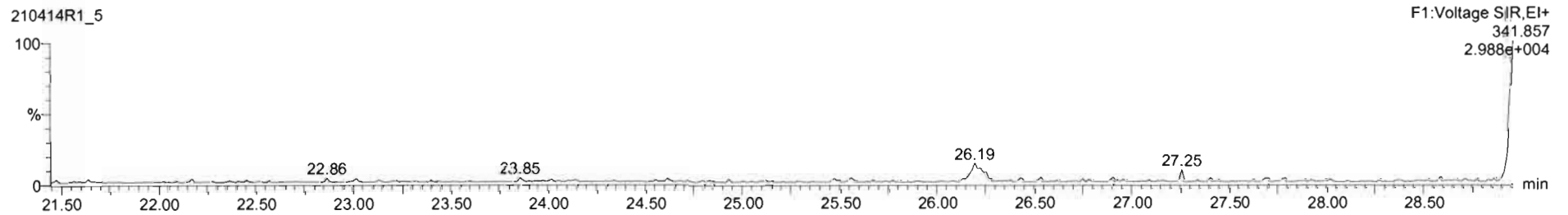
Name: 210414R1\_5, Date: 14-Apr-2021, Time: 12:59:55, ID: ST210414R1-5 1613 CS5 21C0107, Description: 1613 CS5 21C0107

1st Func. Penta-Furans

210414R1\_5

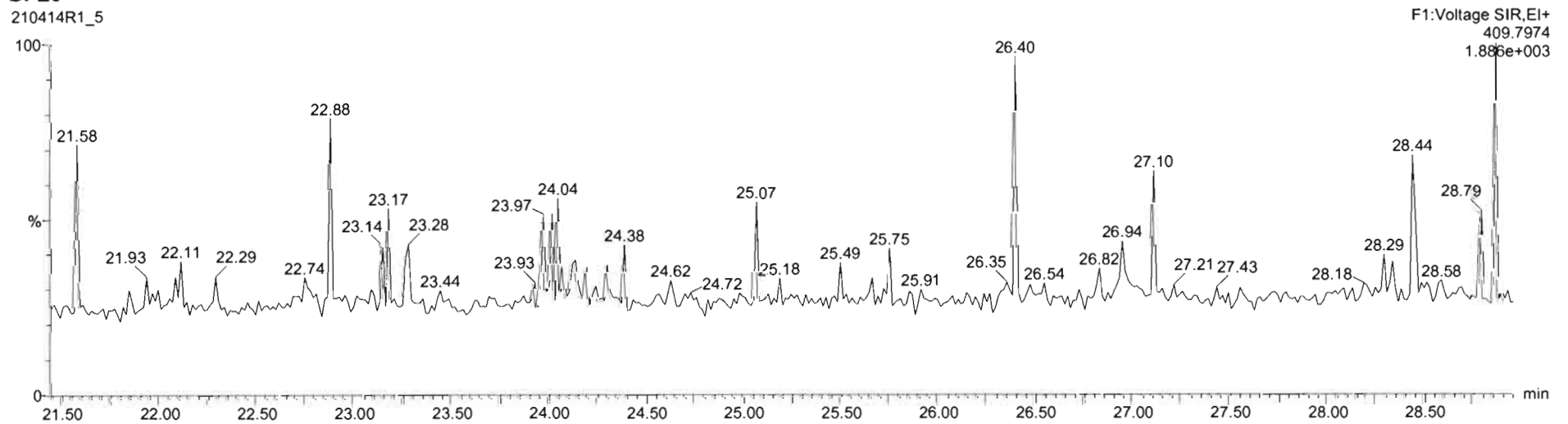


210414R1\_5



DPE6

210414R1\_5



Dataset: Untitled

Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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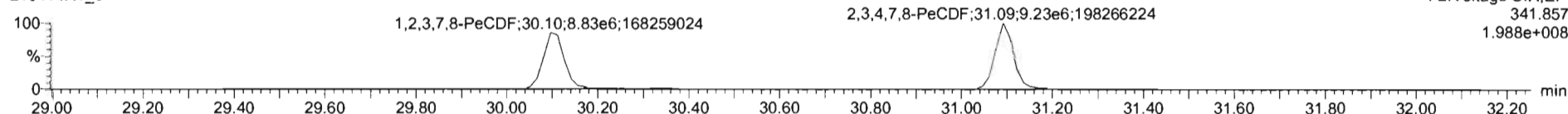
**1,2,3,7,8-PeCDF**

210414R1\_5



F2:Voltage SIR,EI+  
339.860  
3.049e+008

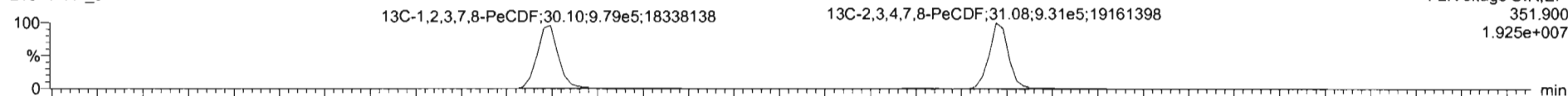
210414R1\_5



F2:Voltage SIR,EI+  
341.857  
1.988e+008

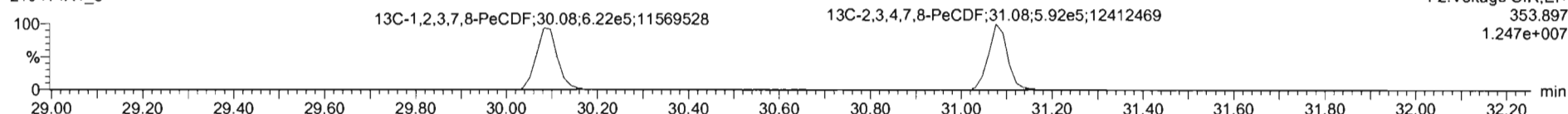
**13C-1,2,3,7,8-PeCDF**

210414R1\_5



F2:Voltage SIR,EI+  
351.900  
1.925e+007

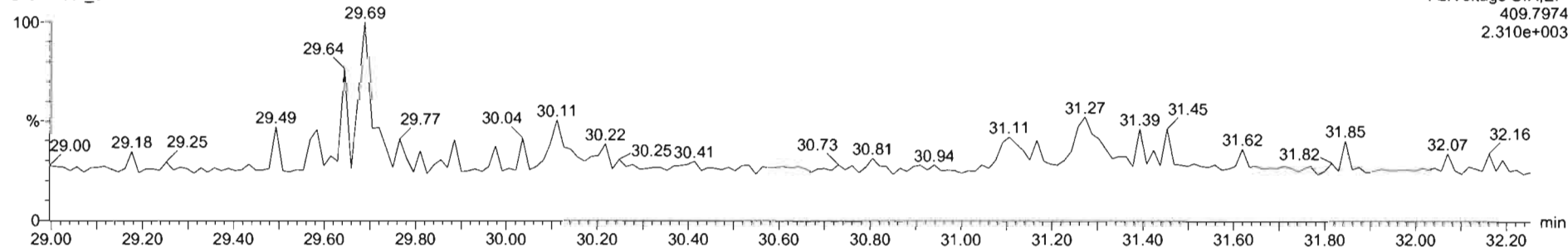
210414R1\_5



F2:Voltage SIR,EI+  
353.897  
1.247e+007

**DPE2**

210414R1\_5



F2:Voltage SIR,EI+  
409.7974  
2.310e+003

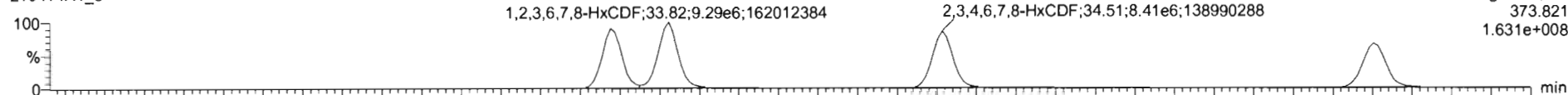
Dataset: Untitled

Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

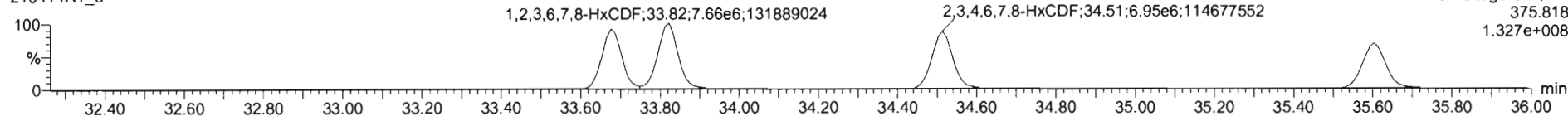
Name: 210414R1\_5, Date: 14-Apr-2021, Time: 12:59:55, ID: ST210414R1-5 1613 CS5 21C0107, Description: 1613 CS5 21C0107

**1,2,3,4,7,8-HxCDF**

210414R1\_5

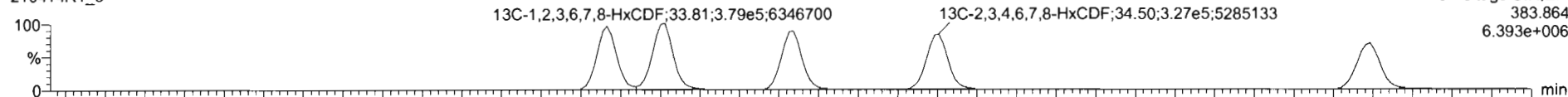


210414R1\_5

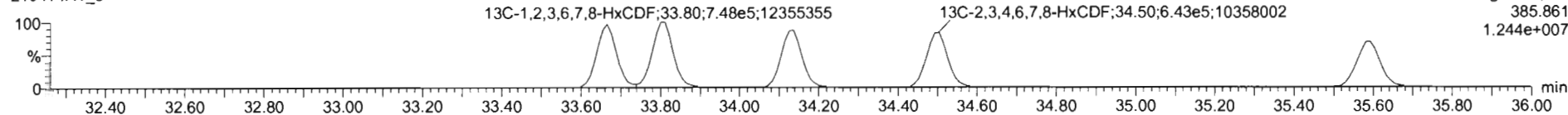


**13C-1,2,3,4,7,8-HxCDF**

210414R1\_5

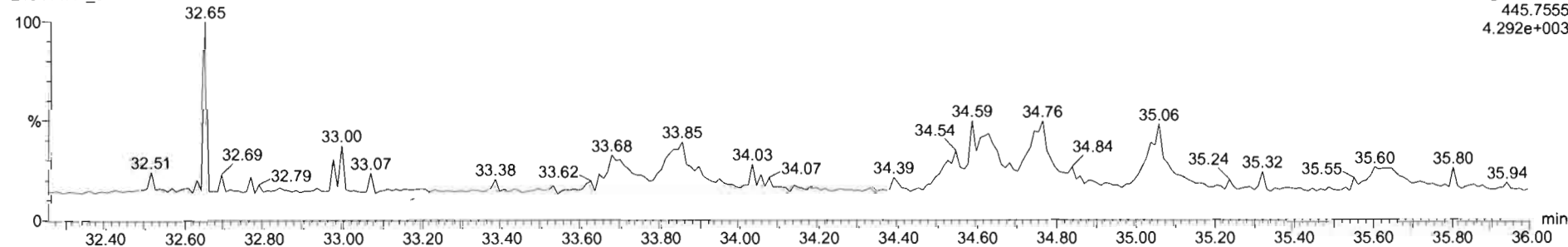


210414R1\_5



**DPE3**

210414R1\_5



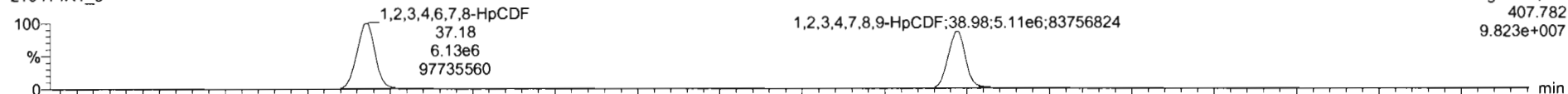
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Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Name: 210414R1\_5, Date: 14-Apr-2021, Time: 12:59:55, ID: ST210414R1-5 1613 CS5 21C0107, Description: 1613 CS5 21C0107

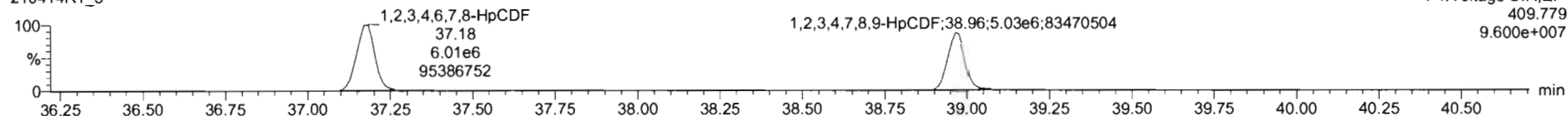
**1,2,3,4,6,7,8-HpCDF**

210414R1\_5



F4:Voltage SIR,EI+  
407.782  
9.823e+007

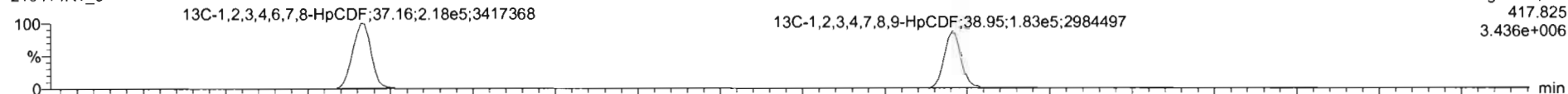
210414R1\_5



F4:Voltage SIR,EI+  
409.779  
9.600e+007

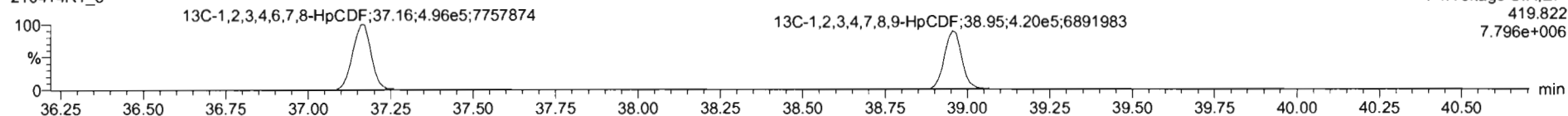
**13C-1,2,3,4,6,7,8-HpCDF**

210414R1\_5



F4:Voltage SIR,EI+  
417.825  
3.436e+006

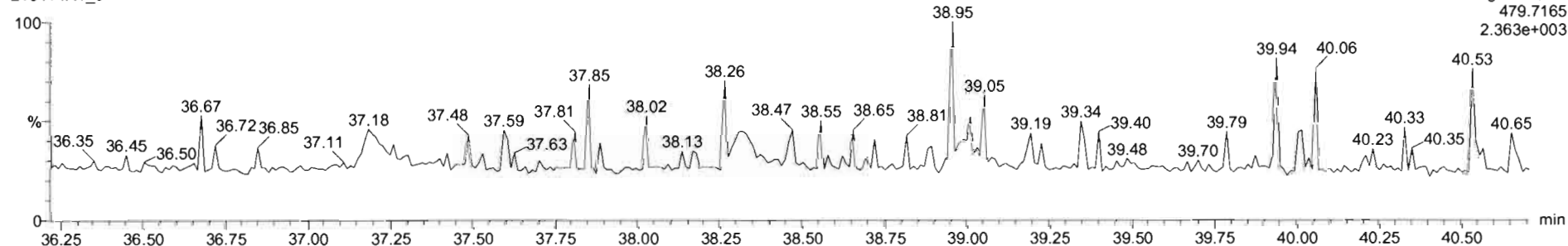
210414R1\_5



F4:Voltage SIR,EI+  
419.822  
7.796e+006

**DPE4**

210414R1\_5



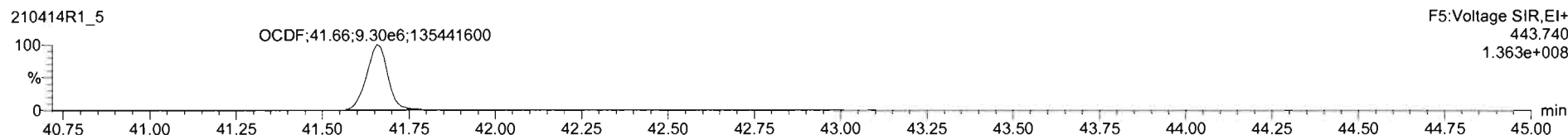
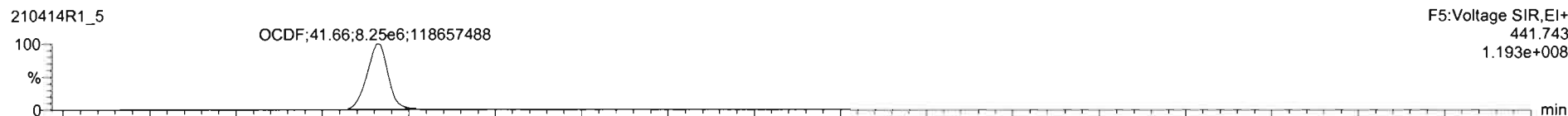
F4:Voltage SIR,EI+  
479.7165  
2.363e+003

Dataset: Untitled

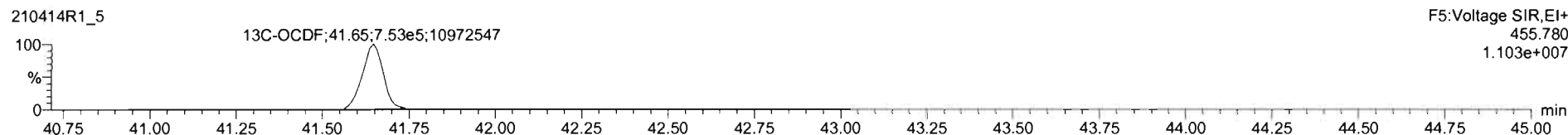
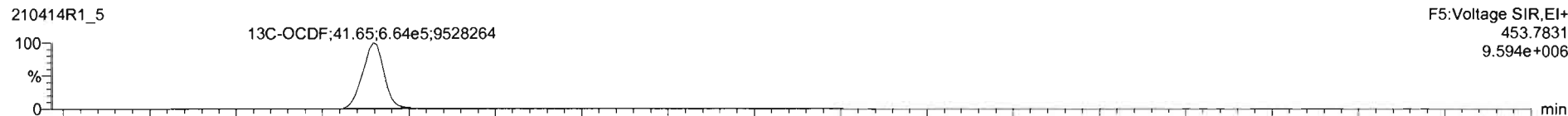
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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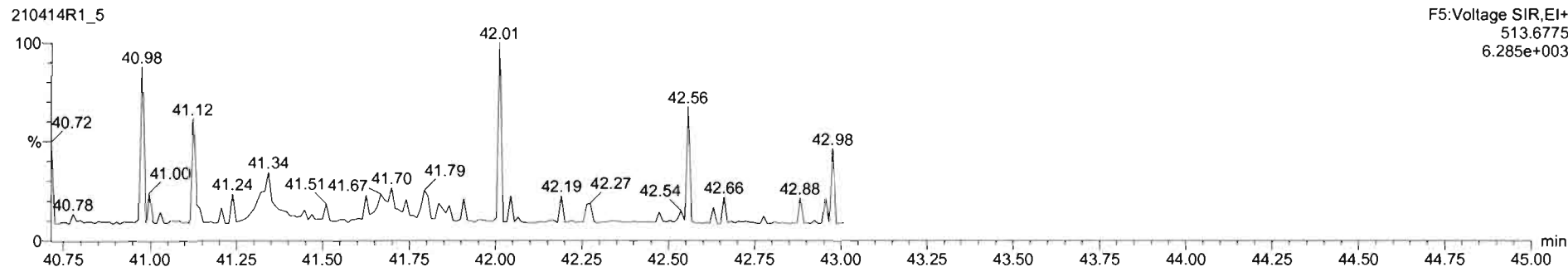
**OCDF**



**13C-OCDF**



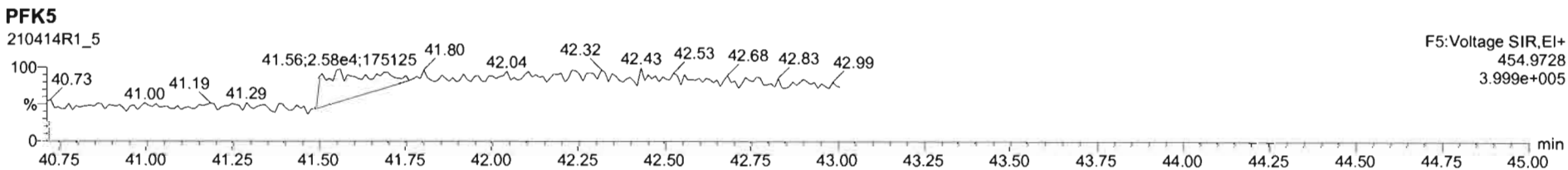
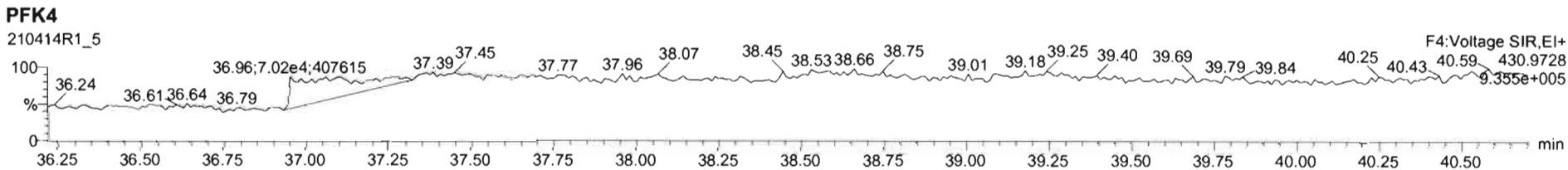
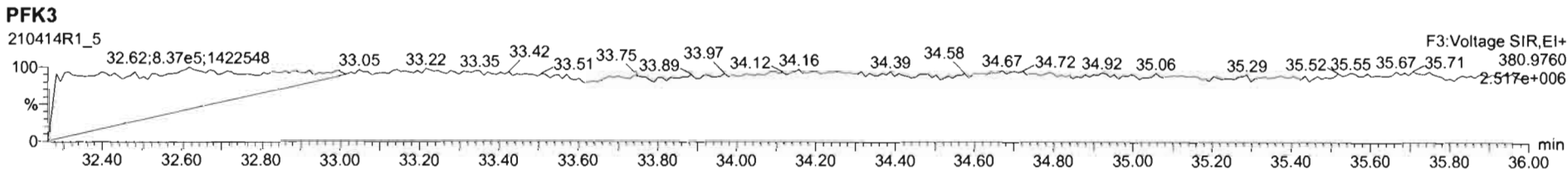
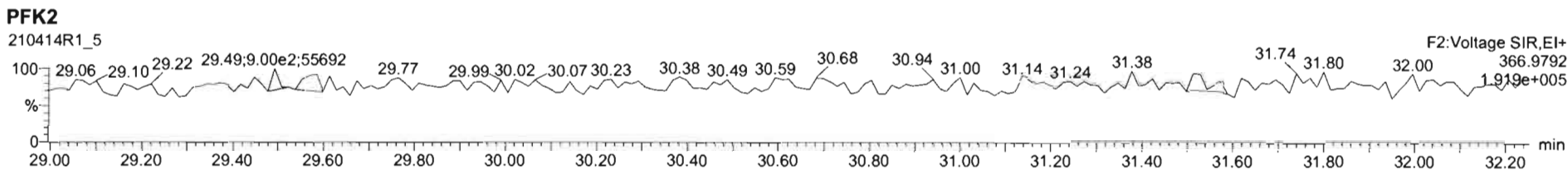
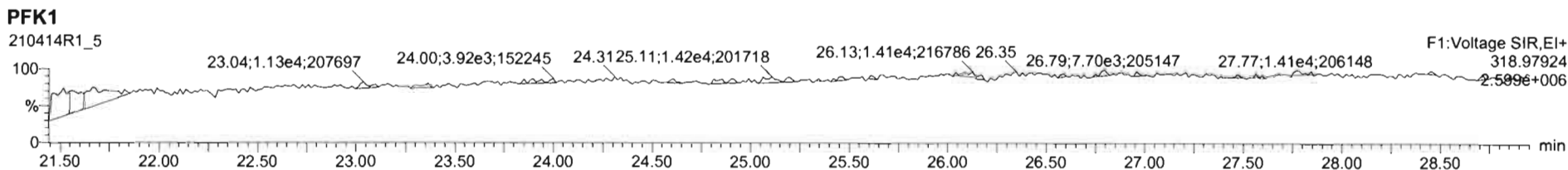
**DPE5**



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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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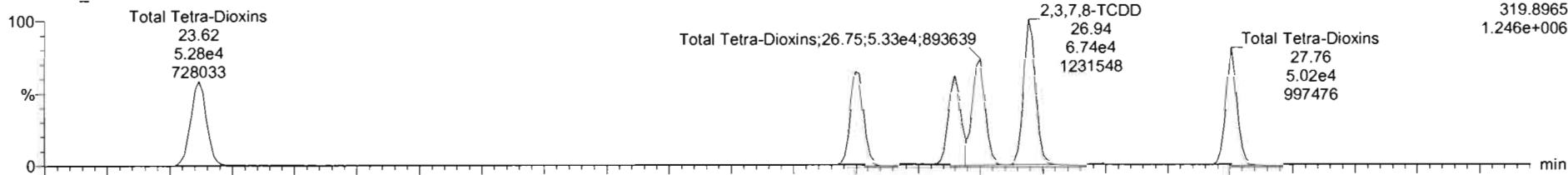
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

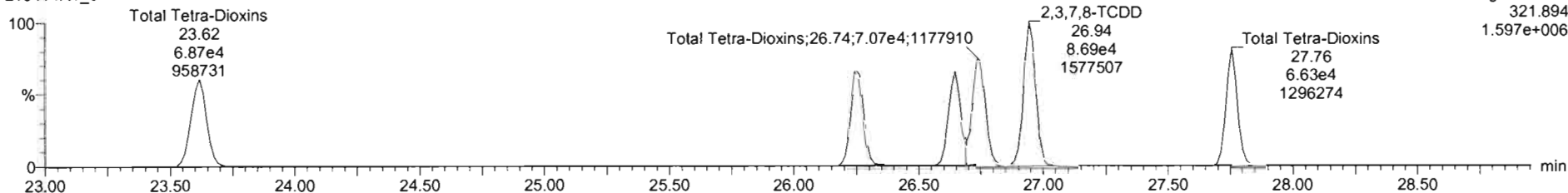
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**2,3,7,8-TCDD**

210414R1\_6

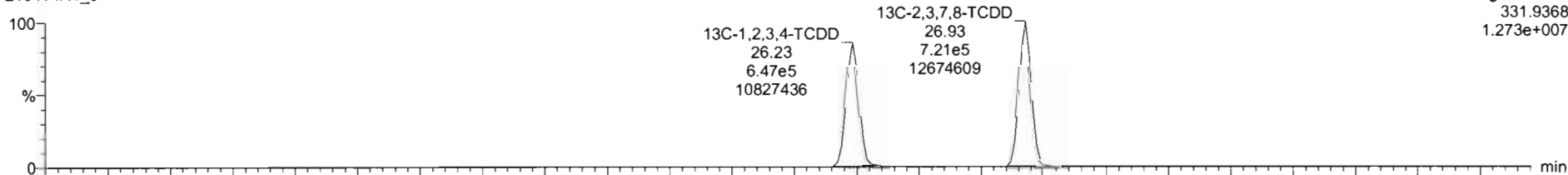


210414R1\_6

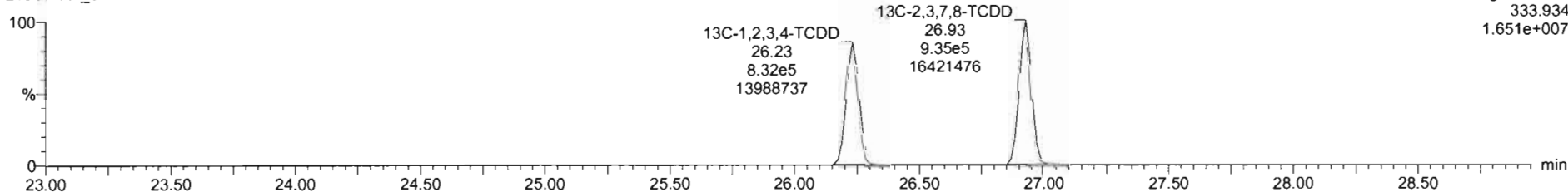


**13C-2,3,7,8-TCDD**

210414R1\_6



210414R1\_6



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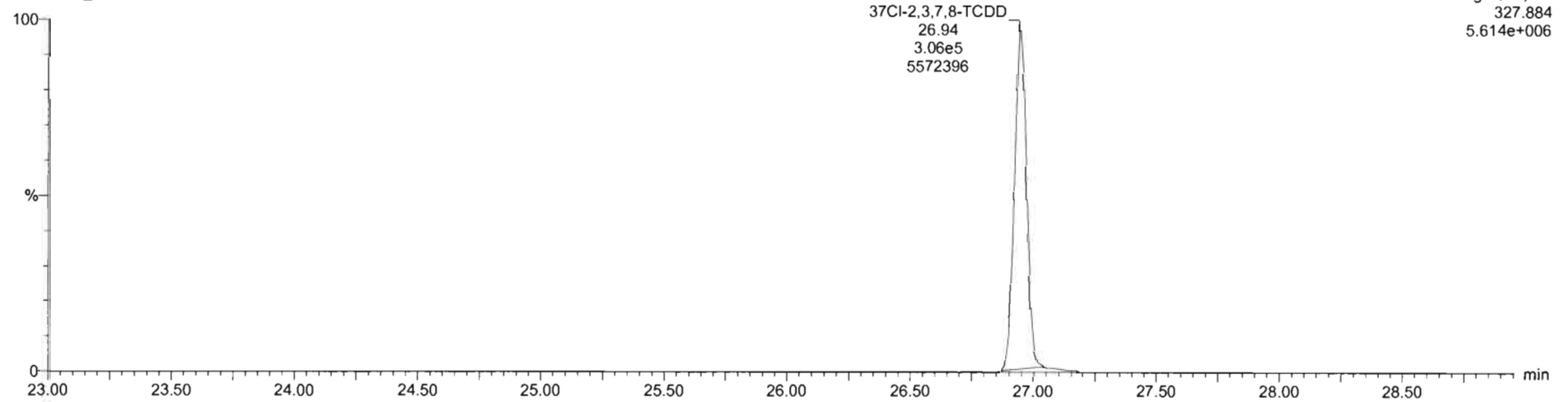
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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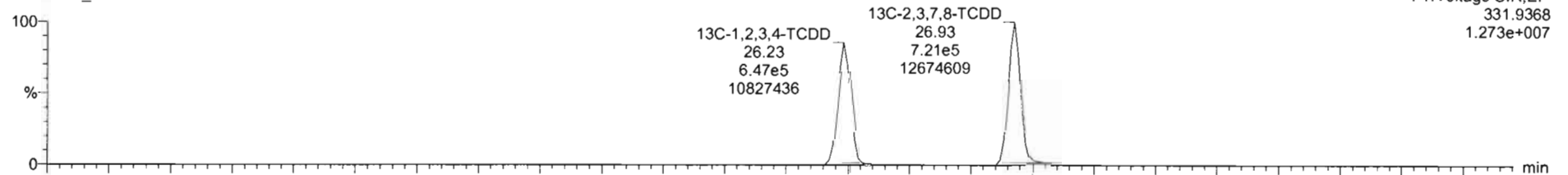
**37Cl-2,3,7,8-TCDD**

210414R1\_6

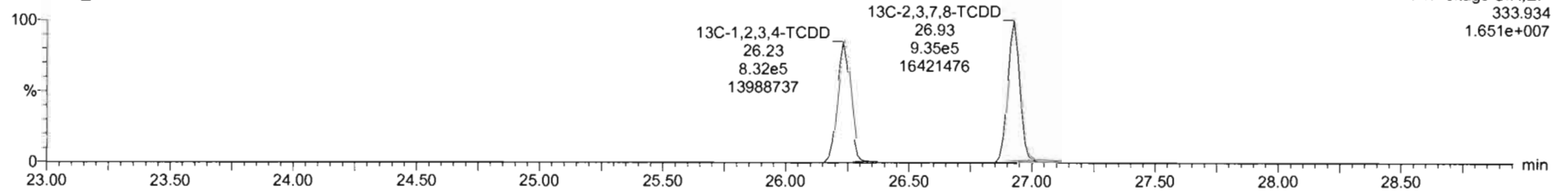


**13C-1,2,3,4-TCDD**

210414R1\_6



210414R1\_6

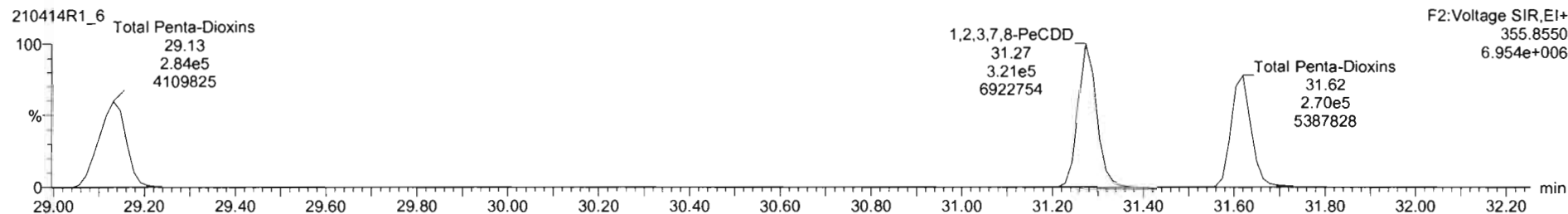
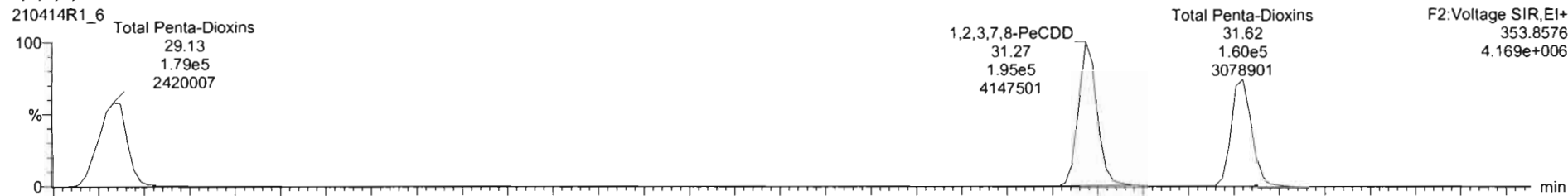


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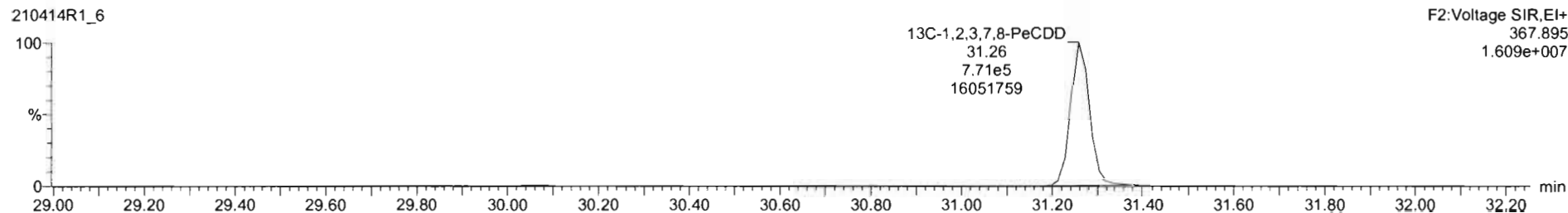
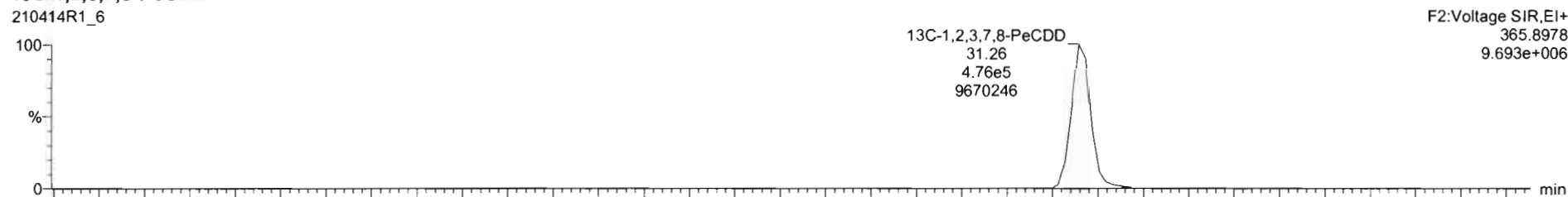
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

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**1,2,3,7,8-PeCDD**



**13C-1,2,3,7,8-PeCDD**



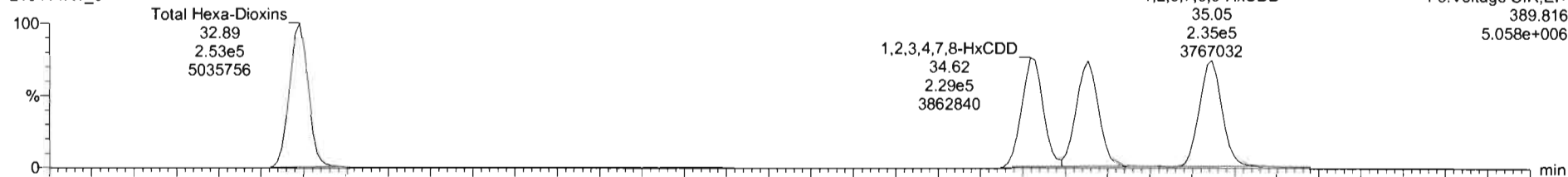
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

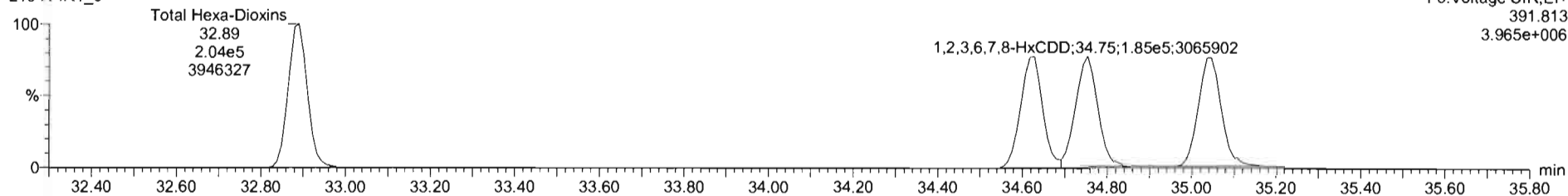
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1,2,3,4,7,8-HxCDD

210414R1\_6

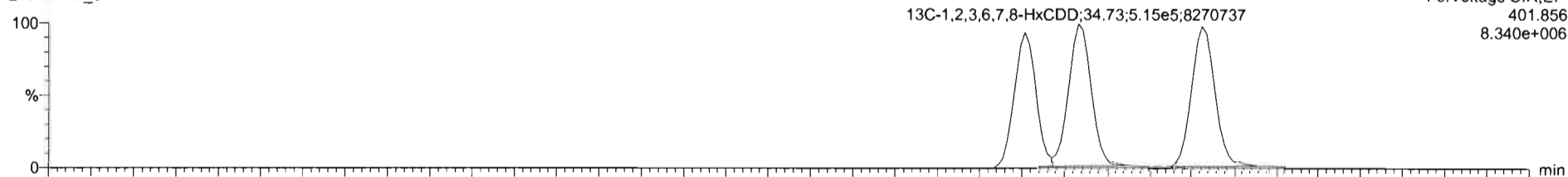


210414R1\_6

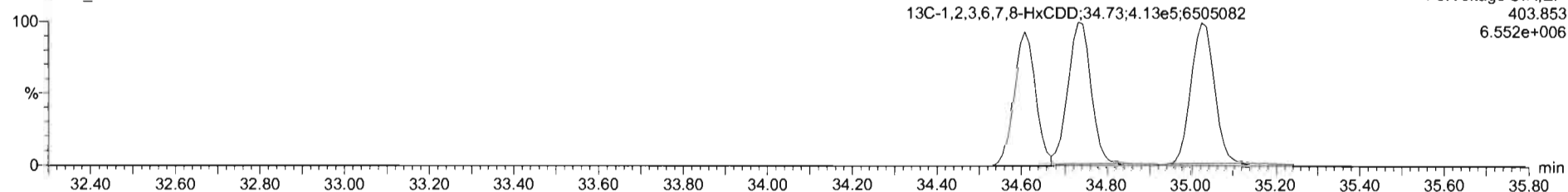


13C-1,2,3,4,7,8-HxCDD

210414R1\_6



210414R1\_6



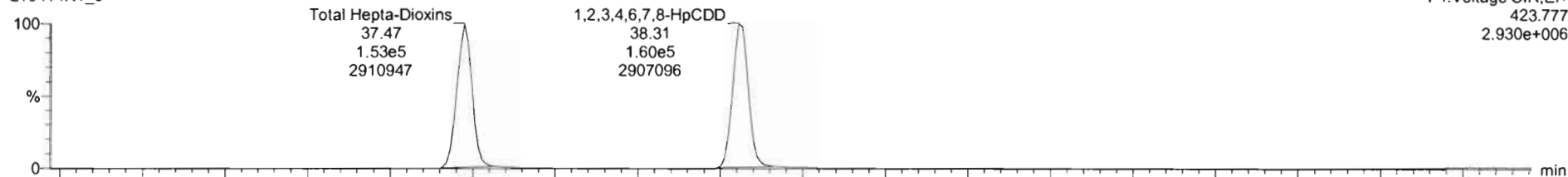
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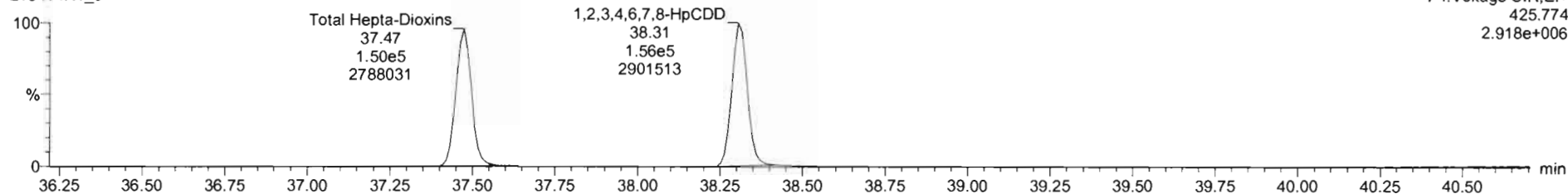
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**1,2,3,4,6,7,8-HpCDD**

210414R1\_6

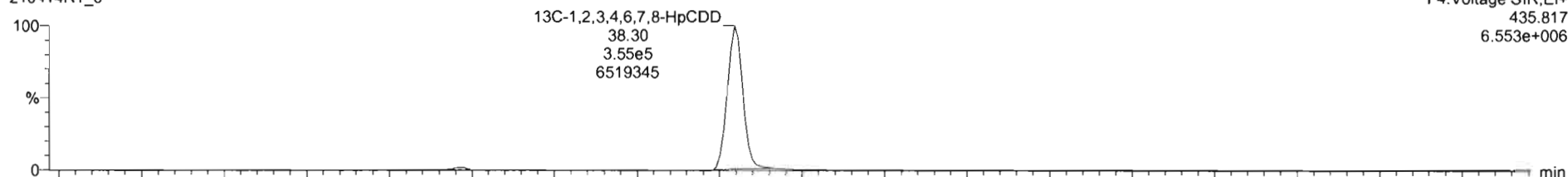


210414R1\_6

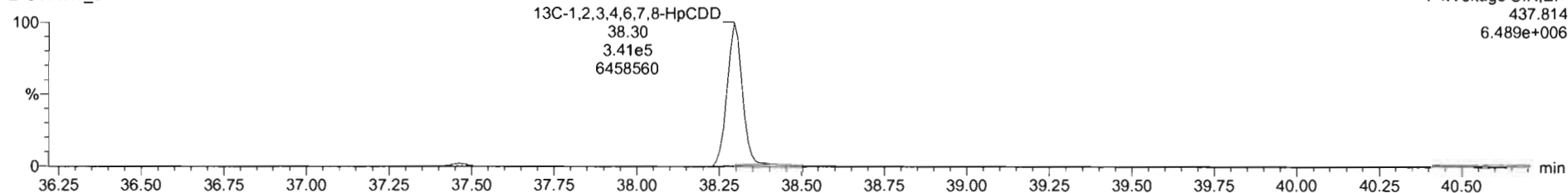


**13C-1,2,3,4,6,7,8-HpCDD**

210414R1\_6



210414R1\_6



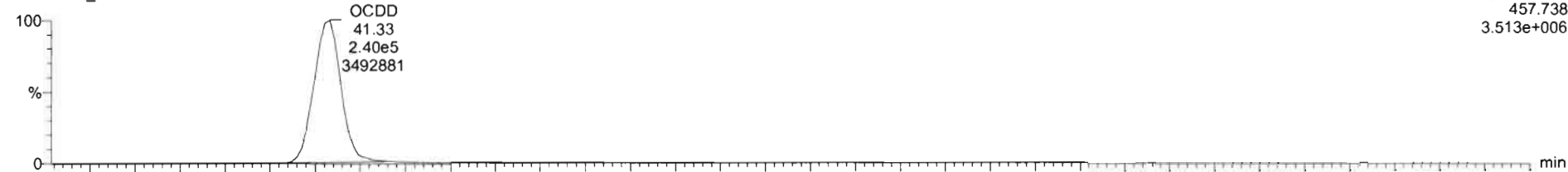
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Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

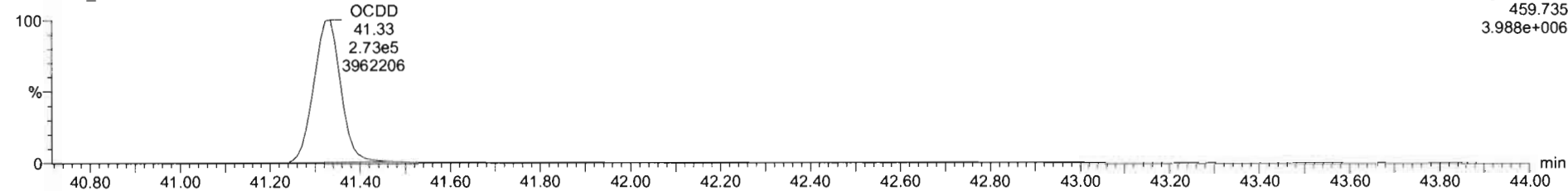
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**OCDD**

210414R1\_6

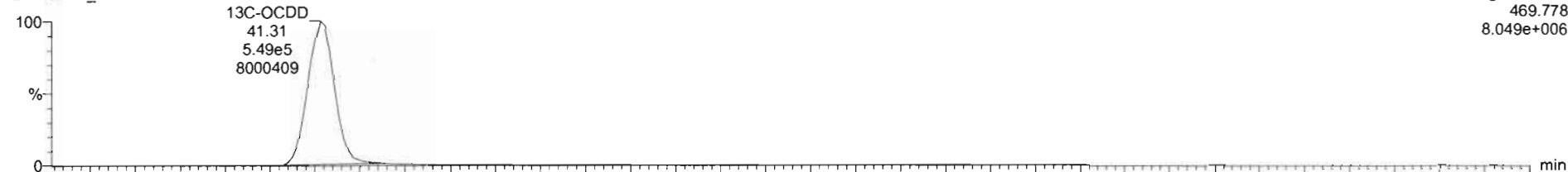


210414R1\_6

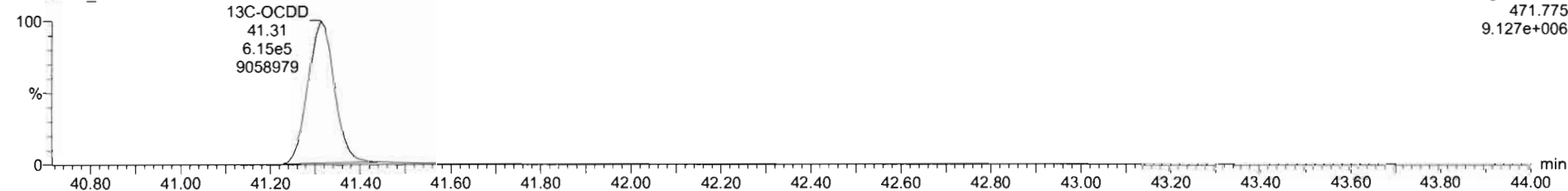


**13C-OCDD**

210414R1\_6



210414R1\_6



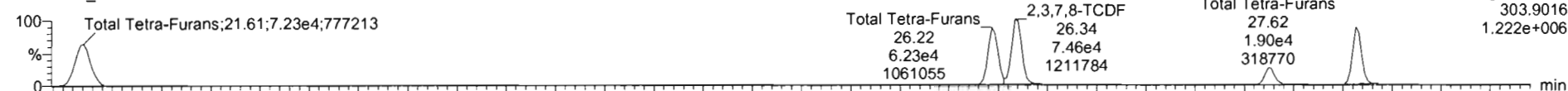
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Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Name: 210414R1\_6, Date: 14-Apr-2021, Time: 13:46:07, ID: ST210414R1-6 1613 CS3 21C0105, Description: 1613 CS3 21C0105

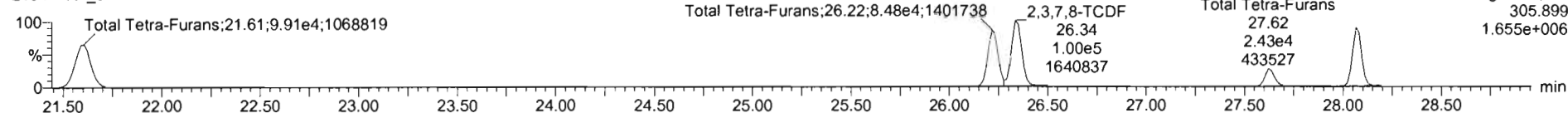
**2,3,7,8-TCDF**

210414R1\_6



F1: Voltage SIR, EI+  
303.9016  
1.222e+006

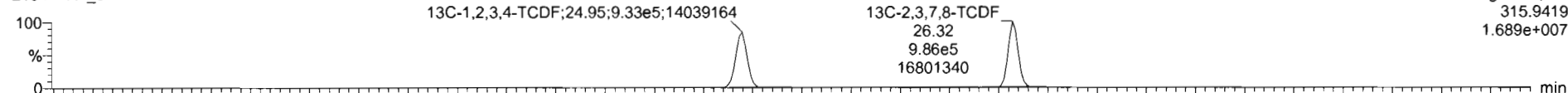
210414R1\_6



F1: Voltage SIR, EI+  
305.899  
1.655e+006

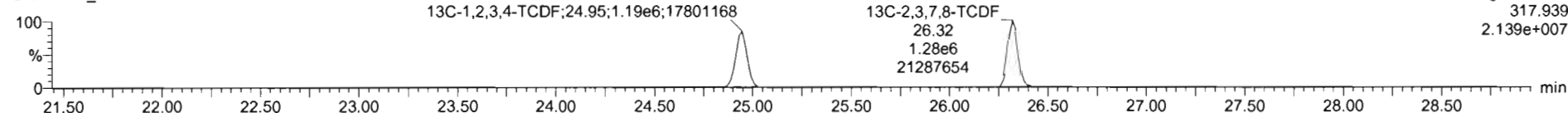
**13C-2,3,7,8-TCDF**

210414R1\_6



F1: Voltage SIR, EI+  
315.9419  
1.689e+007

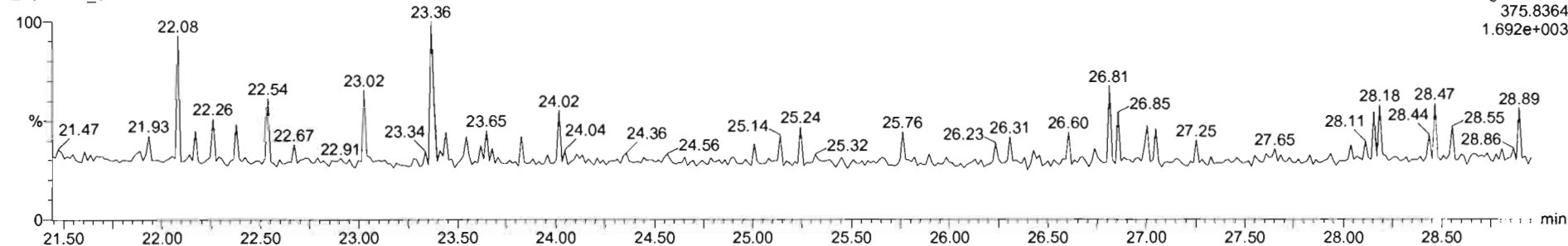
210414R1\_6



F1: Voltage SIR, EI+  
317.939  
2.139e+007

**DPE1**

210414R1\_6



F1: Voltage SIR, EI+  
375.8364  
1.692e+003

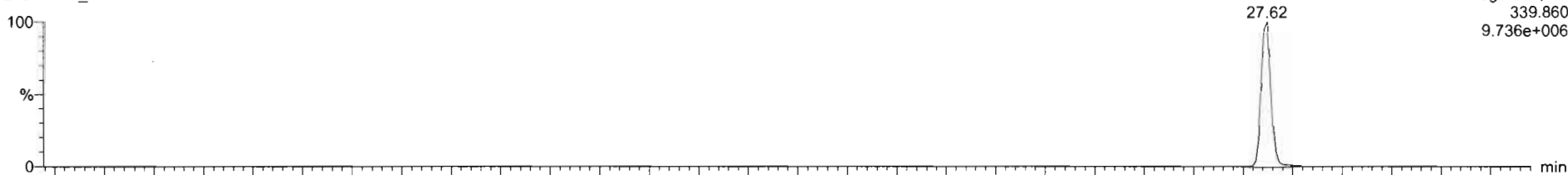
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Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

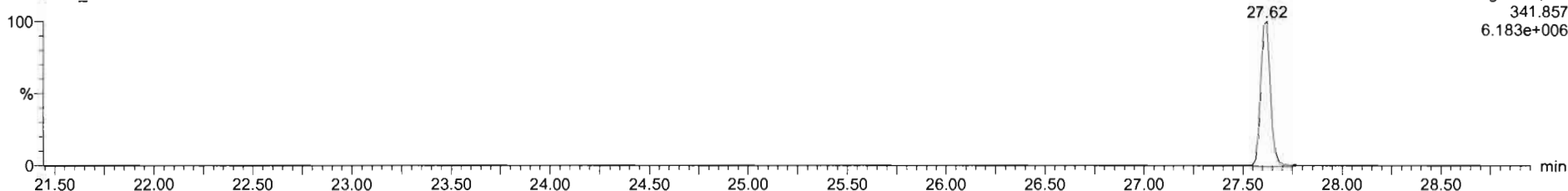
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1st Func. Penta-Furans

210414R1\_6

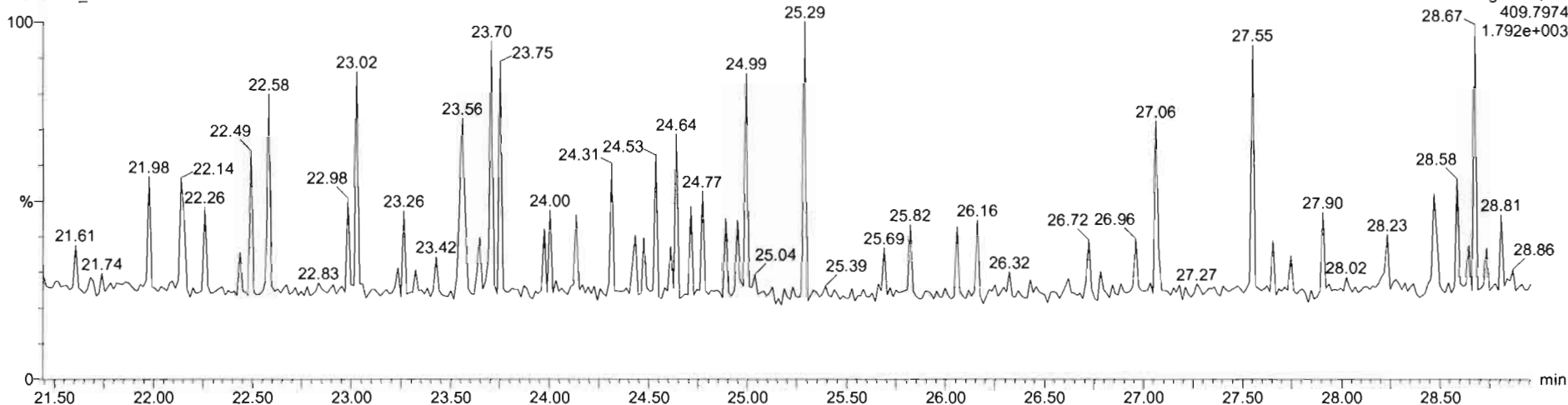


210414R1\_6



DPE6

210414R1\_6



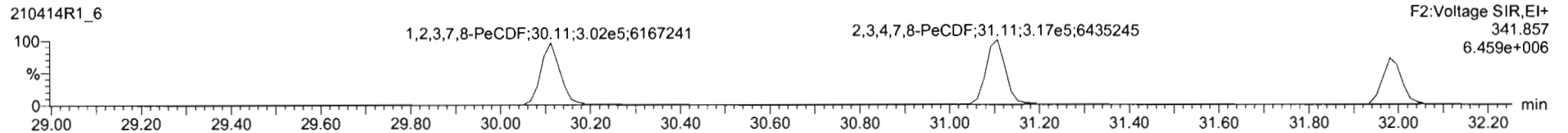
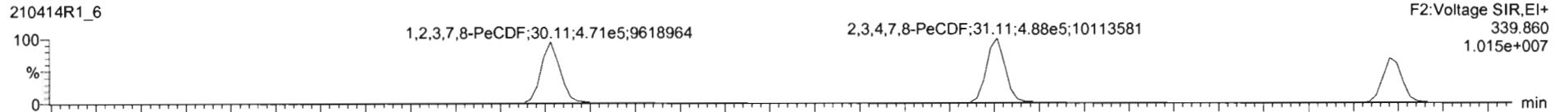


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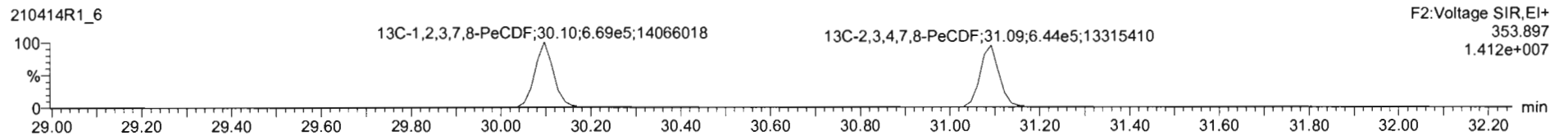
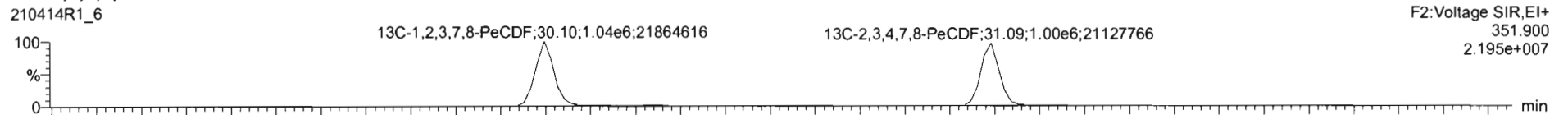
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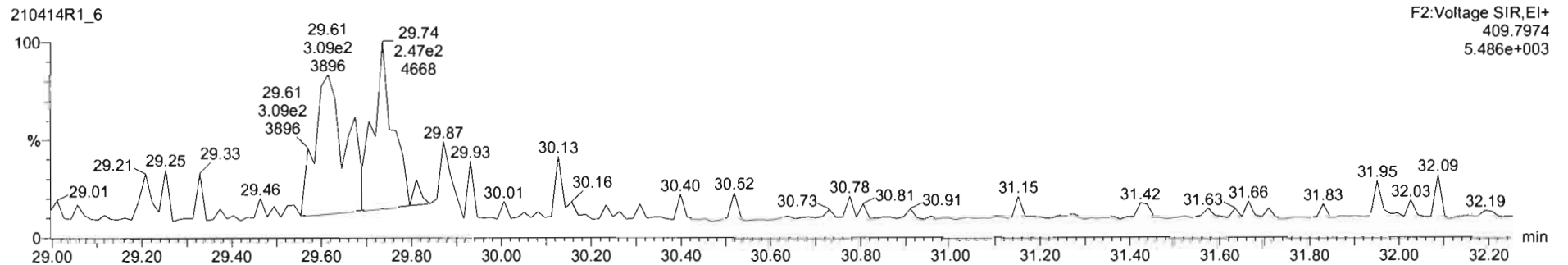
**1,2,3,7,8-PeCDF**



**13C-1,2,3,7,8-PeCDF**



**DPE2**

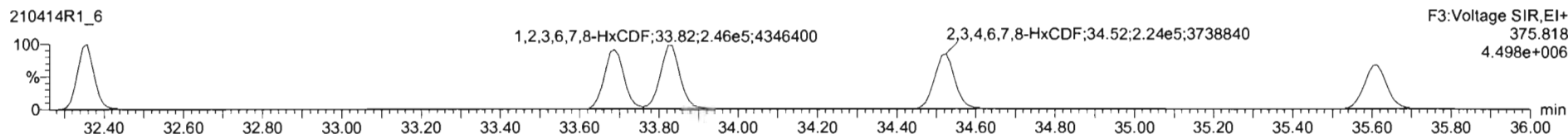
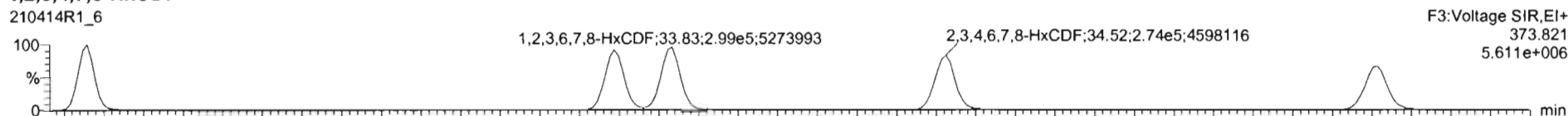


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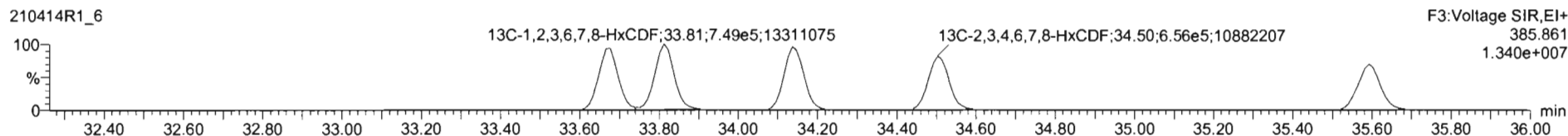
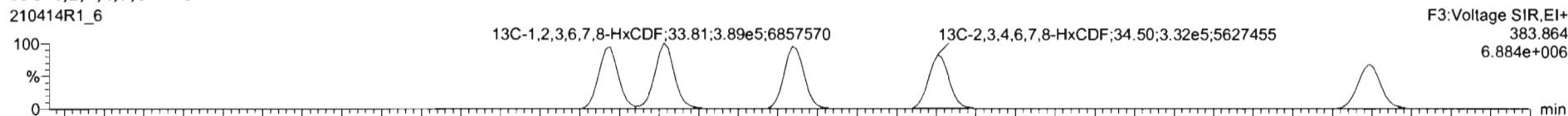
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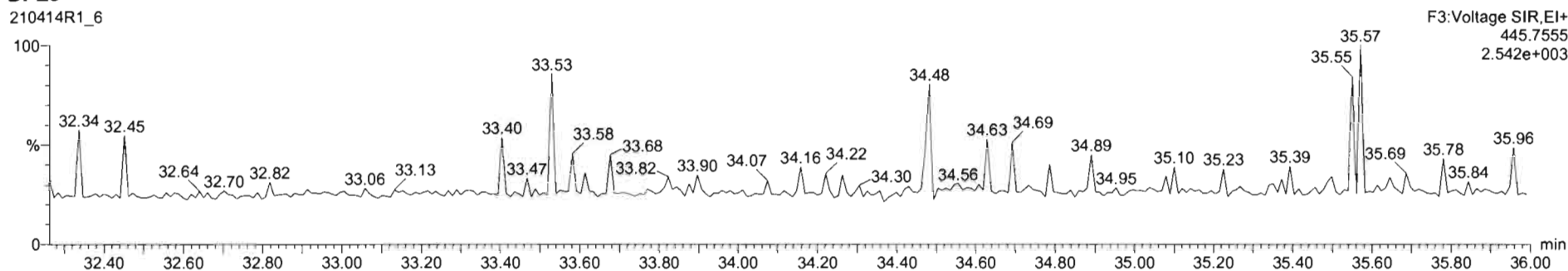
**1,2,3,4,7,8-HxCDF**



**13C-1,2,3,4,7,8-HxCDF**



**DPE3**



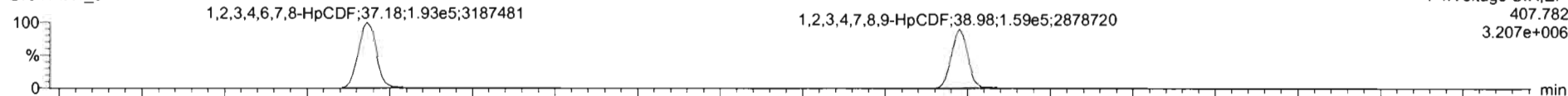
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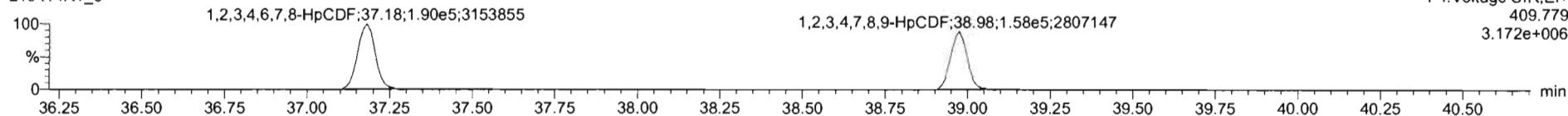
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**1,2,3,4,6,7,8-HpCDF**

210414R1\_6

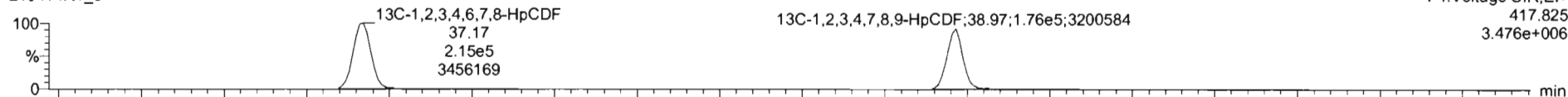


210414R1\_6

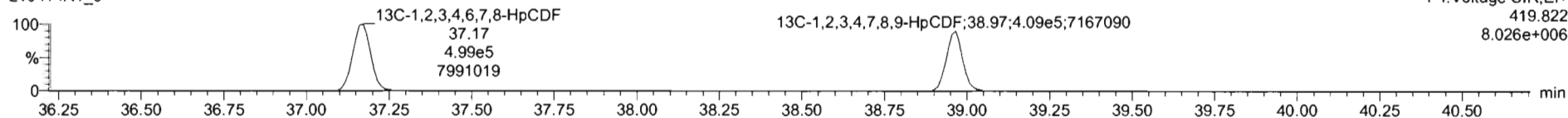


**13C-1,2,3,4,6,7,8-HpCDF**

210414R1\_6

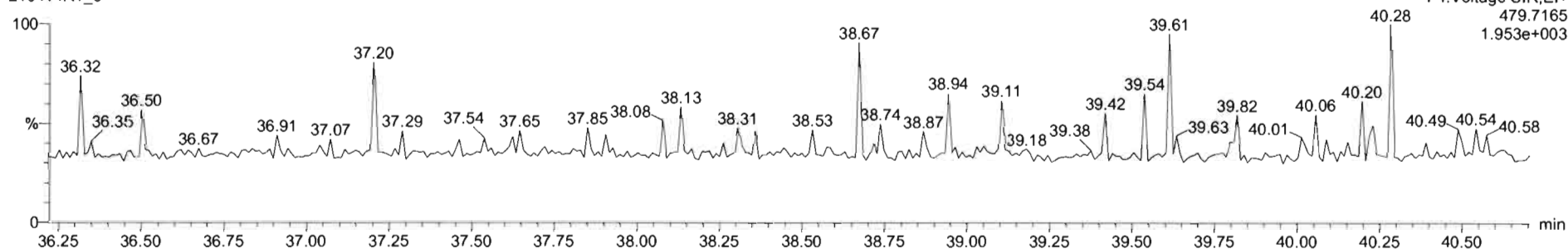


210414R1\_6



**DPE4**

210414R1\_6

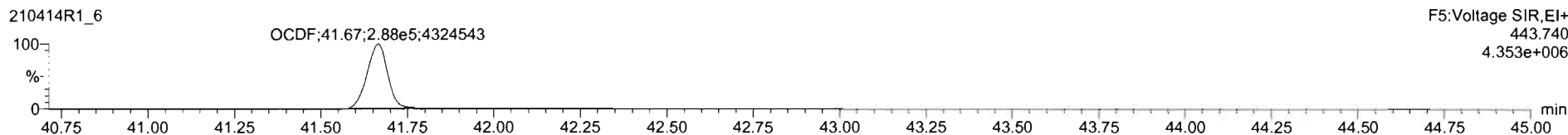
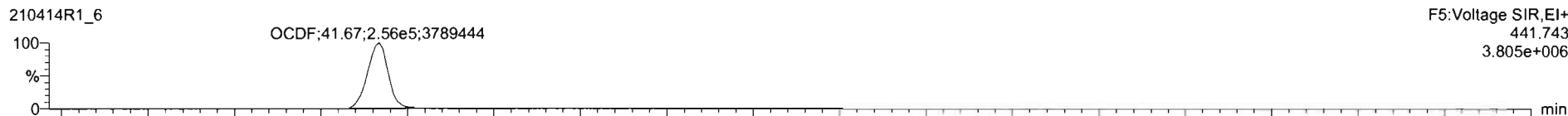


Dataset: Untitled

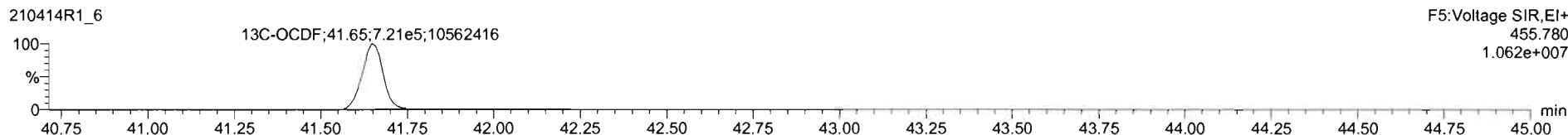
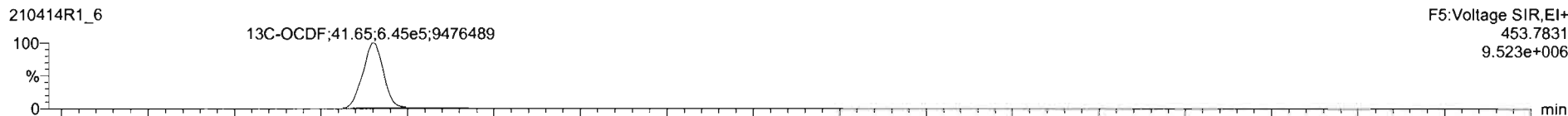
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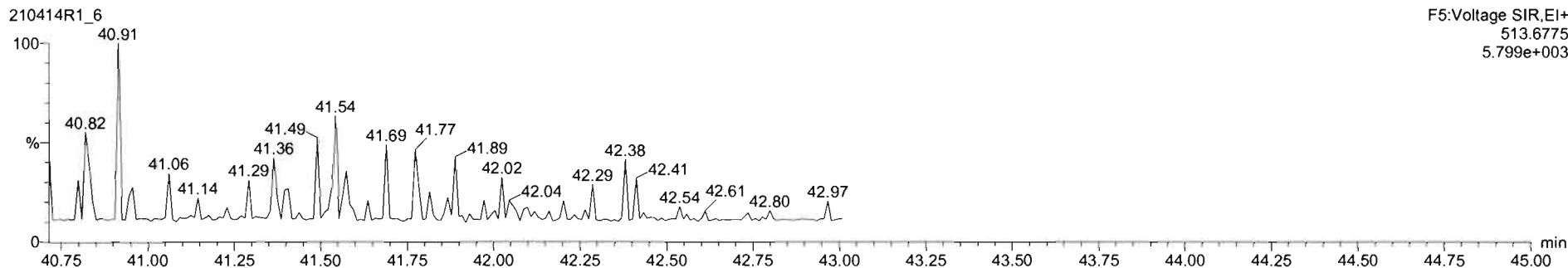
**OCDF**



**13C-OCDF**



**DPE5**



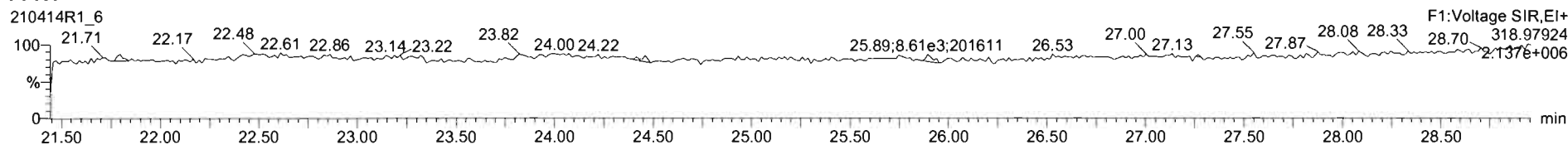
Dataset: Untitled

Last Altered: Thursday, April 15, 2021 09:17:13 Pacific Daylight Time

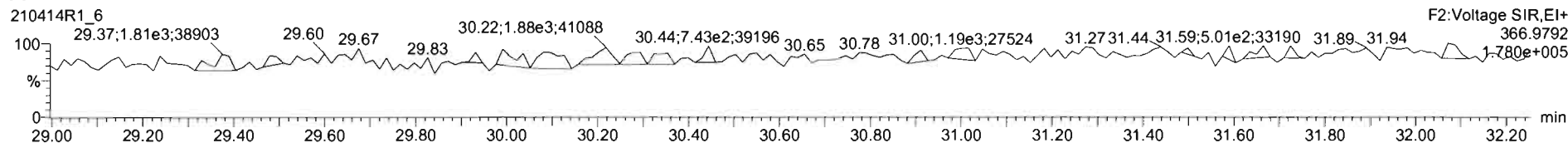
Printed: Thursday, April 15, 2021 09:17:45 Pacific Daylight Time

Name: 210414R1\_6, Date: 14-Apr-2021, Time: 13:46:07, ID: ST210414R1-6 1613 CS3 21C0105, Description: 1613 CS3 21C0105

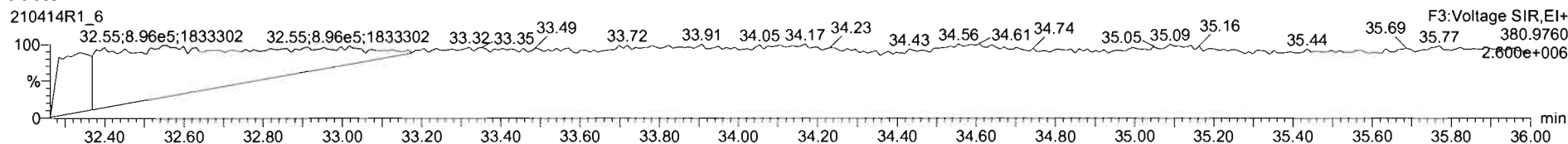
PFK1



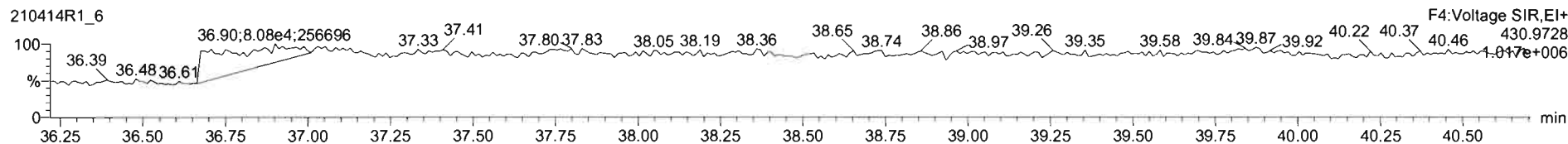
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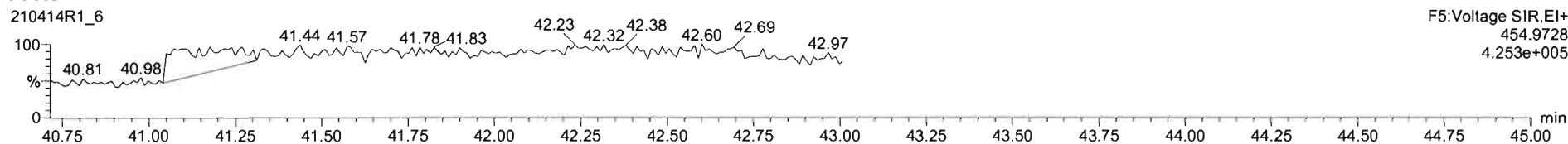
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PFK4

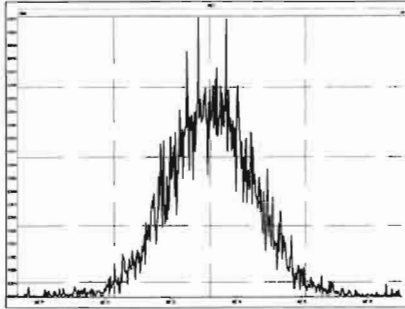


PFK5

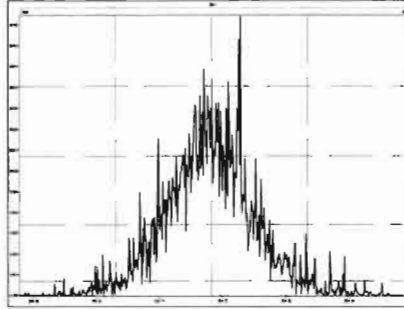


Printed: Wednesday, April 14, 2021 15:27:19 Pacific Daylight Time

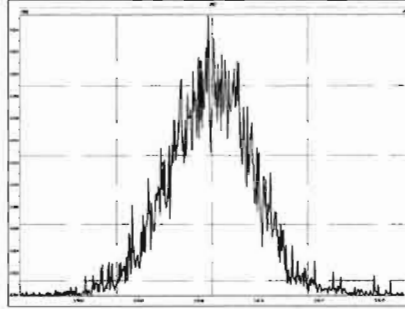
M 292.9824 R 11012



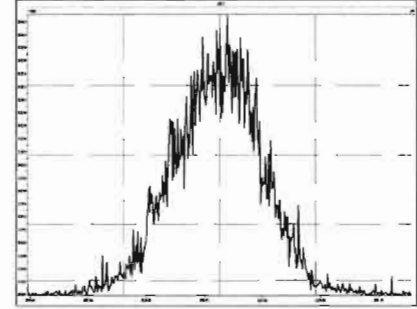
M 304.9824 R 11765



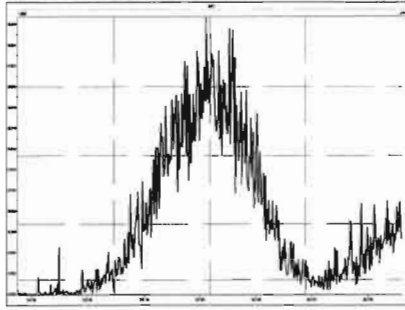
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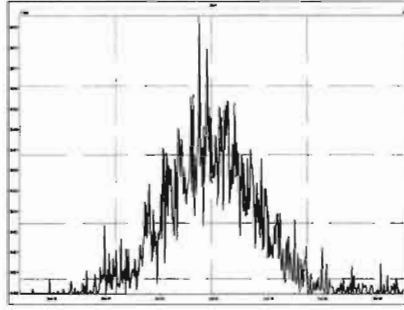
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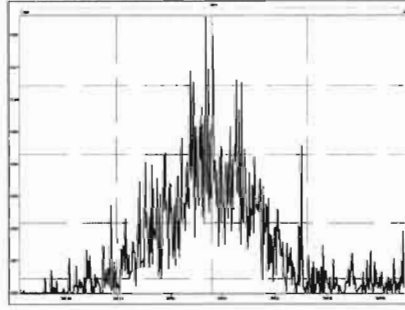
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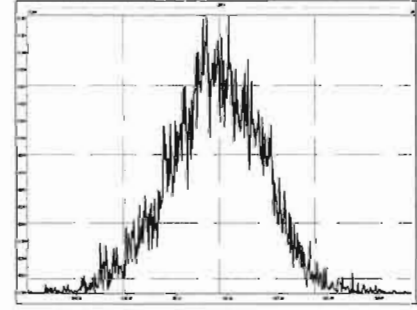
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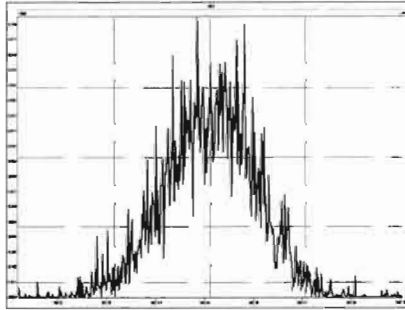
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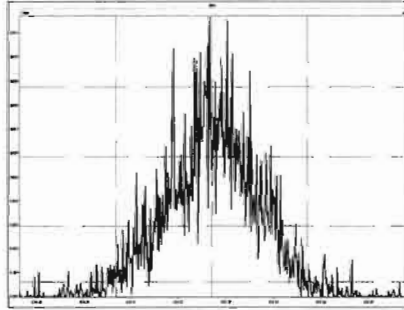
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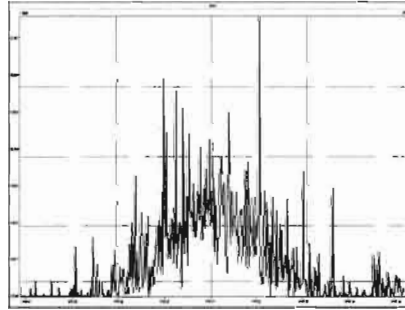
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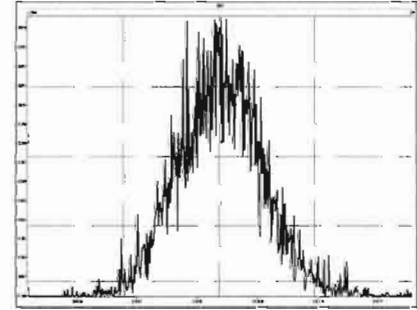
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M 416.9760 R 17057

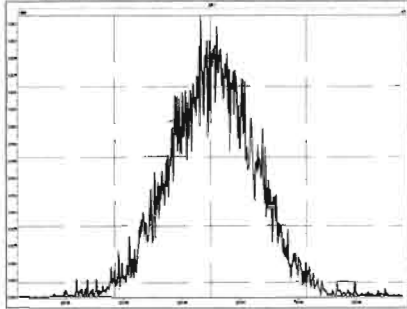


M 318.9792 R 11338

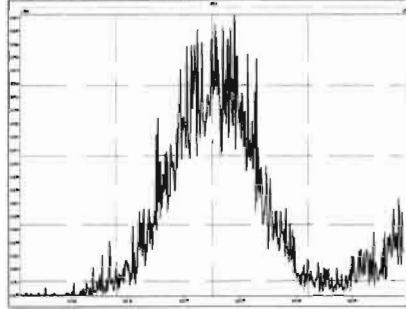


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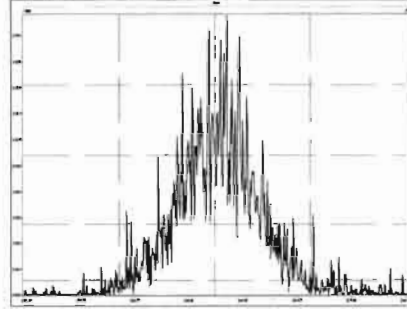
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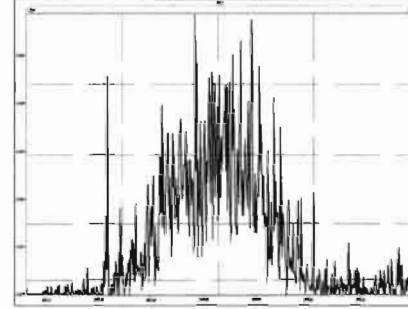
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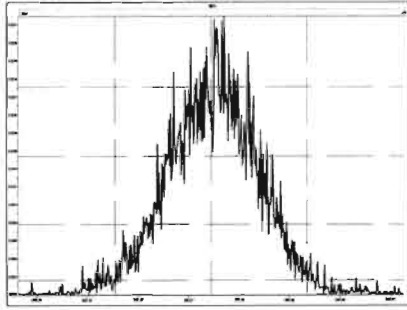
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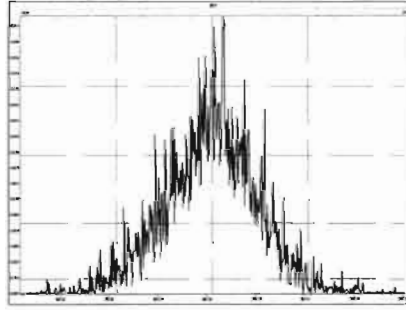
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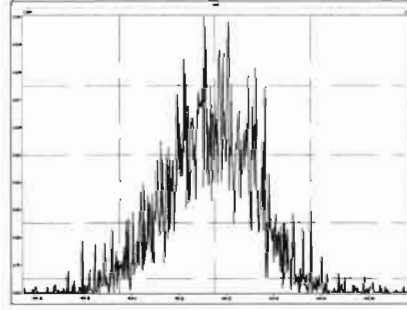
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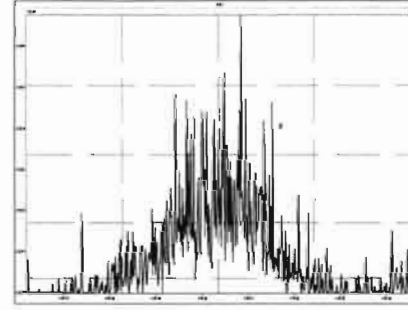
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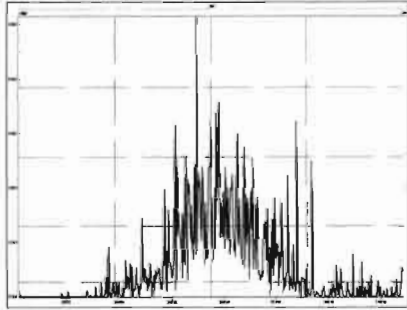
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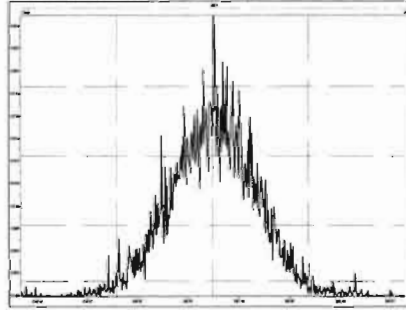
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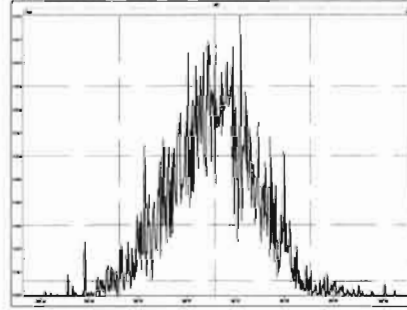
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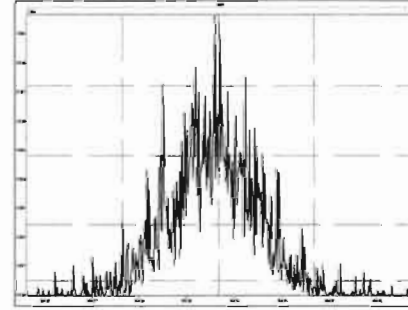
M 380.9760 R 11211



M 392.9760 R 12392

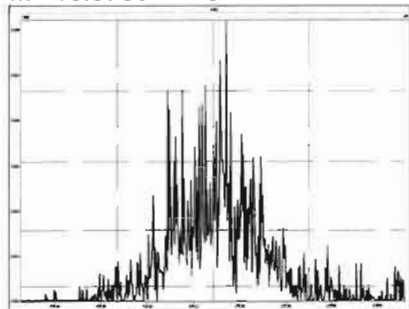


M 404.9760 R 12223

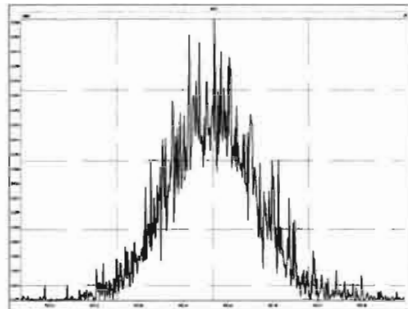


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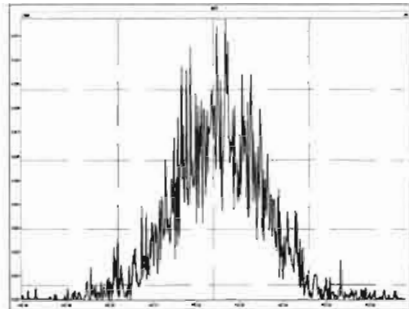
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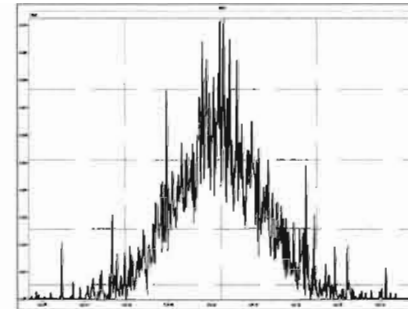
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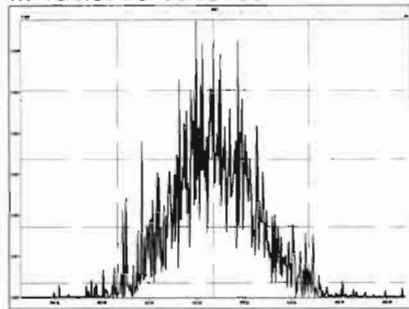
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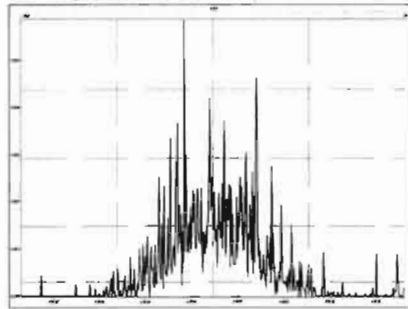
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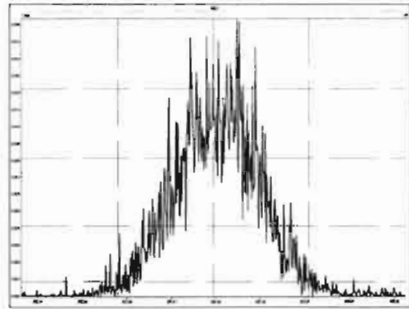
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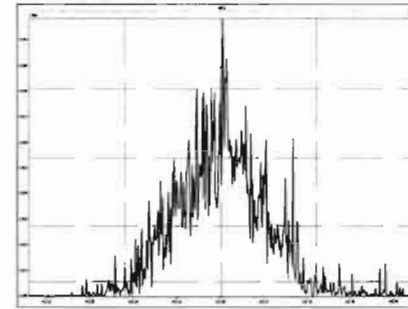
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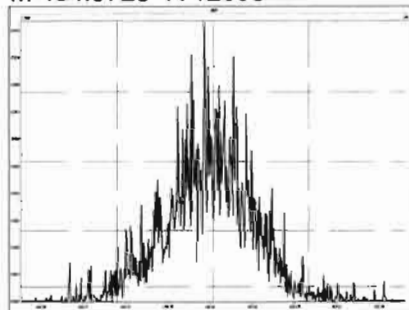
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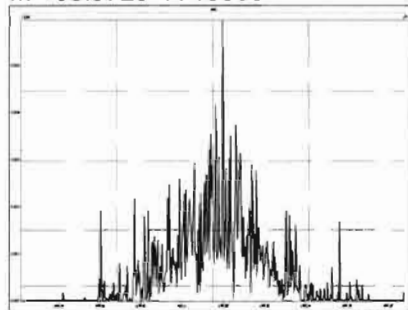
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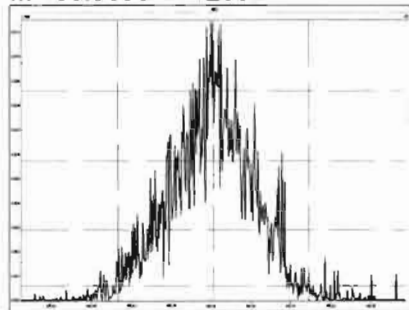
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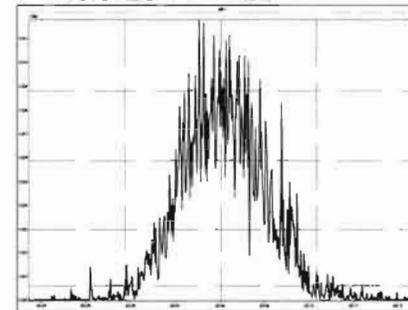
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M 480.9696 R 12005

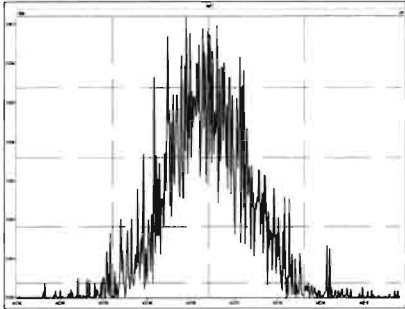


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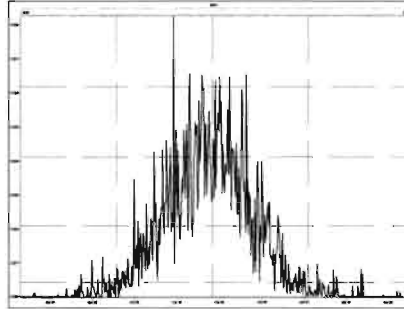




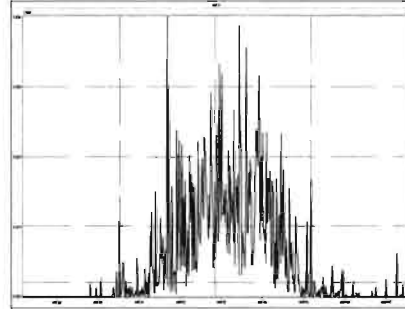
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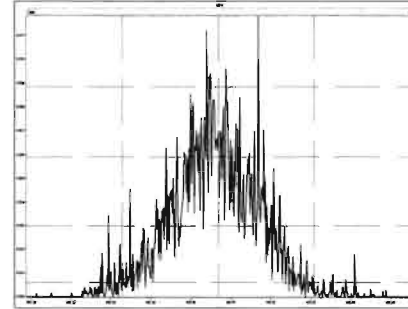
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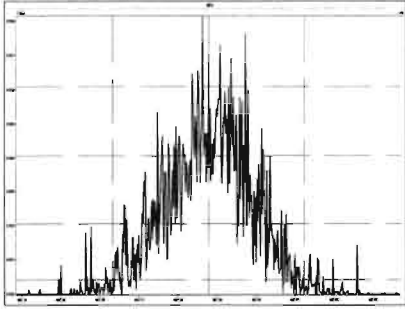
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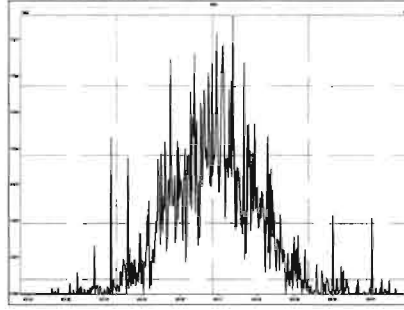
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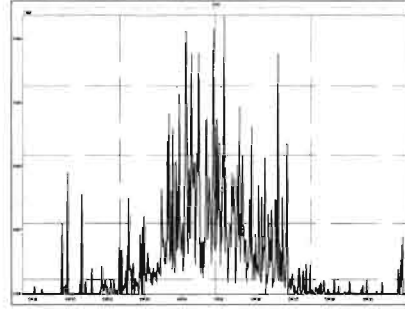
M 492.9696 R 12763



M 504.9696 R 15745



M 516.9697 R 31899



Dataset: U:\VG12.PRO\Results\210414R1\210414R1\_7.qld

Last Altered: Thursday, April 15, 2021 10:13:51 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 10:15:16 Pacific Daylight Time

*WIN 04/15/21*  
*DF04/15/21*

Method: U:\VG12.PRO\MethDB\1613rrt-04-06-21.mdb 06 Apr 2021 08:35:23  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

Name: 210414R1\_7, Date: 14-Apr-2021, Time: 14:34:13, ID: SS210414R1-1 1613 SSS 21C0108, Description: 1613 SSS 21C0108

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	1.42e5	0.76	NO	0.929	1.000	26.945	26.93	1.001	1.001	9.5905	95.9	0.0124	9.59
2	2 1,2,3,7,8-PeCDD	4.59e5	0.60	NO	0.826	1.000	31.274	31.26	1.001	1.000	48.111	96.2	0.0507	48.1
3	3 1,2,3,4,7,8-HxCDD	3.68e5	1.24	NO	0.972	1.000	34.618	34.61	1.001	1.000	50.163	100	0.114	50.2
4	4 1,2,3,6,7,8-HxCDD	3.95e5	1.23	NO	0.877	1.000	34.744	34.74	1.001	1.001	52.884	106	0.119	52.9
5	5 1,2,3,7,8,9-HxCDD	3.89e5	1.25	NO	0.874	1.000	35.027	35.03	1.000	1.000	49.610	99.2	0.114	49.6
6	6 1,2,3,4,6,7,8-HpCDD	2.71e5	1.02	NO	0.899	1.000	38.296	38.31	1.000	1.001	48.692	97.4	0.133	48.7
7	7 OCDD	4.57e5	0.87	NO	0.852	1.000	41.310	41.31	1.000	1.000	102.28	102	0.151	102
8	8 2,3,7,8-TCDF	1.58e5	0.75	NO	0.747	1.000	26.309	26.34	1.000	1.001	9.8282	98.3	0.0164	9.83
9	9 1,2,3,7,8-PeCDF	6.59e5	1.57	NO	0.877	1.000	30.085	30.10	1.000	1.000	47.679	95.4	0.0773	47.7
10	10 2,3,4,7,8-PeCDF	6.89e5	1.54	NO	0.962	1.000	31.098	31.09	1.001	1.000	50.877	102	0.0782	50.9
11	11 1,2,3,4,7,8-HxCDF	4.77e5	1.21	NO	0.920	1.000	33.665	33.68	1.000	1.001	52.893	106	0.0947	52.9
12	12 1,2,3,6,7,8-HxCDF	5.01e5	1.22	NO	0.936	1.000	33.822	33.81	1.001	1.000	51.115	102	0.0912	51.1
13	13 2,3,4,6,7,8-HxCDF	4.67e5	1.22	NO	0.973	1.000	34.514	34.50	1.001	1.000	52.771	106	0.105	52.8
14	14 1,2,3,7,8,9-HxCDF	3.77e5	1.23	NO	0.940	1.000	35.592	35.60	1.000	1.001	50.158	100	0.134	50.2
15	15 1,2,3,4,6,7,8-HpCDF	3.61e5	1.01	NO	1.05	1.000	37.179	37.17	1.000	1.000	52.180	104	0.130	52.2
16	16 1,2,3,4,7,8,9-HpCDF	2.83e5	1.01	NO	1.05	1.000	38.966	38.97	1.000	1.000	49.625	99.2	0.143	49.6
17	17 OCDF	4.60e5	0.87	NO	0.771	1.000	41.645	41.65	1.000	1.000	100.69	101	0.140	101
18	18 13C-2,3,7,8-TCDD	1.59e6	0.76	NO	1.10	1.000	26.897	26.91	1.026	1.027	102.93	103	0.0486	
19	19 13C-1,2,3,7,8-PeCDD	1.16e6	0.63	NO	0.864	1.000	31.205	31.24	1.190	1.192	95.556	95.6	0.0791	
20	20 13C-1,2,3,4,7,8-HxCDD	7.55e5	1.25	NO	0.746	1.000	34.577	34.60	1.013	1.014	97.877	97.9	0.180	
21	21 13C-1,2,3,6,7,8-HxCDD	8.52e5	1.24	NO	0.847	1.000	34.717	34.72	1.017	1.017	97.415	97.4	0.158	
22	22 13C-1,2,3,7,8,9-HxCDD	8.97e5	1.24	NO	0.868	1.000	35.003	35.02	1.026	1.026	100.01	100	0.154	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.19e5	1.02	NO	0.664	1.000	38.269	38.28	1.121	1.122	90.141	90.1	0.290	
24	24 13C-OCDD	1.05e6	0.90	NO	0.561	1.000	41.303	41.30	1.210	1.210	180.80	90.4	0.297	
25	25 13C-2,3,7,8-TCDF	2.15e6	0.77	NO	1.09	1.000	26.307	26.31	1.003	1.003	96.733	96.7	0.0460	
26	26 13C-1,2,3,7,8-PeCDF	1.58e6	1.57	NO	0.809	1.000	30.048	30.08	1.146	1.147	95.821	95.8	0.119	
27	27 13C-2,3,4,7,8-PeCDF	1.41e6	1.58	NO	0.803	1.000	31.034	31.08	1.184	1.185	86.278	86.3	0.120	
28	28 13C-1,2,3,4,7,8-HxCDF	9.81e5	0.51	NO	1.01	1.000	33.659	33.66	0.986	0.986	93.862	93.9	0.192	
29	29 13C-1,2,3,6,7,8-HxCDF	1.05e6	0.51	NO	1.07	1.000	33.788	33.80	0.990	0.990	94.332	94.3	0.181	
30	30 13C-2,3,4,6,7,8-HxCDF	9.09e5	0.51	NO	0.910	1.000	34.485	34.49	1.010	1.011	96.732	96.7	0.214	
31	31 13C-1,2,3,7,8,9-HxCDF	8.01e5	0.52	NO	0.828	1.000	35.573	35.58	1.042	1.043	93.545	93.5	0.235	

Dataset: U:\VG12.PRO\Results\210414R1\210414R1\_7.qld

Last Altered: Thursday, April 15, 2021 10:13:51 Pacific Daylight Time

Printed: Thursday, April 15, 2021 10:15:16 Pacific Daylight Time

Name: 210414R1\_7, Date: 14-Apr-2021, Time: 14:34:13, ID: SS210414R1-1 1613 SSS 21C0108, Description: 1613 SSS 21C0108

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	6.60e5	0.43	NO	0.661	1.000	37.150	37.16	1.089	1.089	96.587	96.6	0.244	
33	13C-1,2,3,4,7,8,9-HpCDF	5.45e5	0.43	NO	0.566	1.000	38.938	38.95	1.141	1.141	93.255	93.3	0.285	
34	13C-OCDF	1.18e6	0.87	NO	0.663	1.000	41.634	41.64	1.220	1.220	172.93	86.5	0.209	
35	37Cl-2,3,7,8-TCDD	2.78e5			2.07	1.000	27.125	26.93	1.035	1.027	9.5990	96.0	0.00554	
36	13C-1,2,3,4-TCDD	1.40e6	0.77	NO	1.00	1.000	26.290	26.22	1.000	1.000	100.00	100	0.0537	
37	13C-1,2,3,4-TCDF	2.03e6	0.78	NO	1.00	1.000	25.020	24.93	1.000	1.000	100.00	100	0.0503	
38	13C-1,2,3,4,6,9-HxCDF	1.03e6	0.51	NO	1.00	1.000	34.190	34.13	1.000	1.000	100.00	100	0.194	

Dataset: Untitled

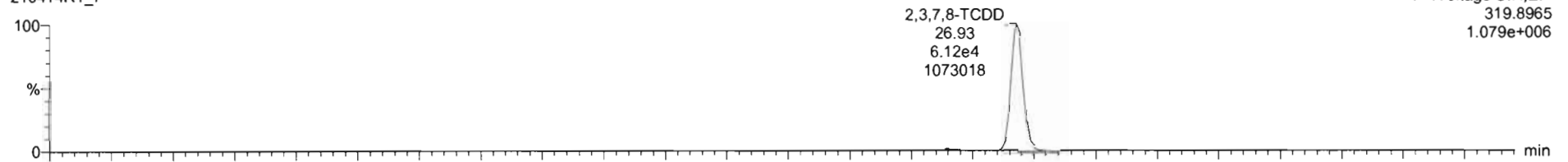
Last Altered: Thursday, April 15, 2021 10:05:01 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 10:05:13 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-06-21.mdb 06 Apr 2021 08:35:23  
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN\_1613vg12-04-14-21.cdb 15 Apr 2021 09:26:26

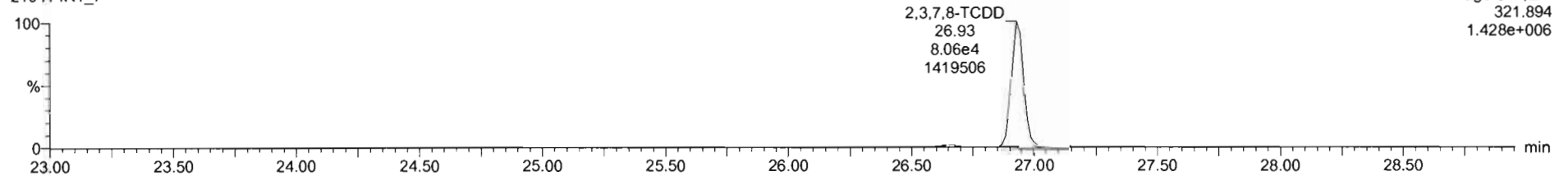
Name: 210414R1\_7, Date: 14-Apr-2021, Time: 14:34:13, ID: SS210414R1-1 1613 SSS 21C0108, Description: 1613 SSS 21C0108

**2,3,7,8-TCDD**

210414R1\_7

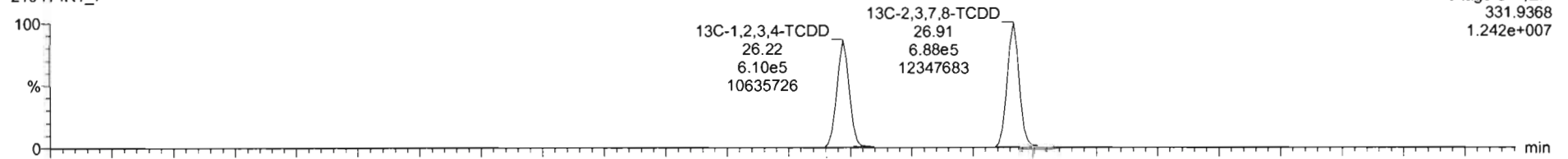


210414R1\_7

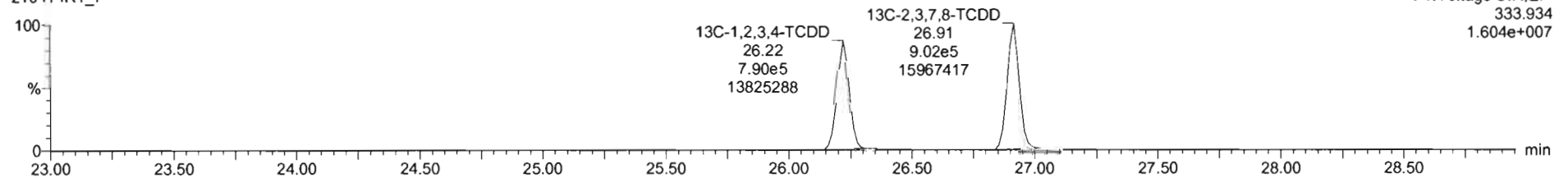


**13C-2,3,7,8-TCDD**

210414R1\_7



210414R1\_7



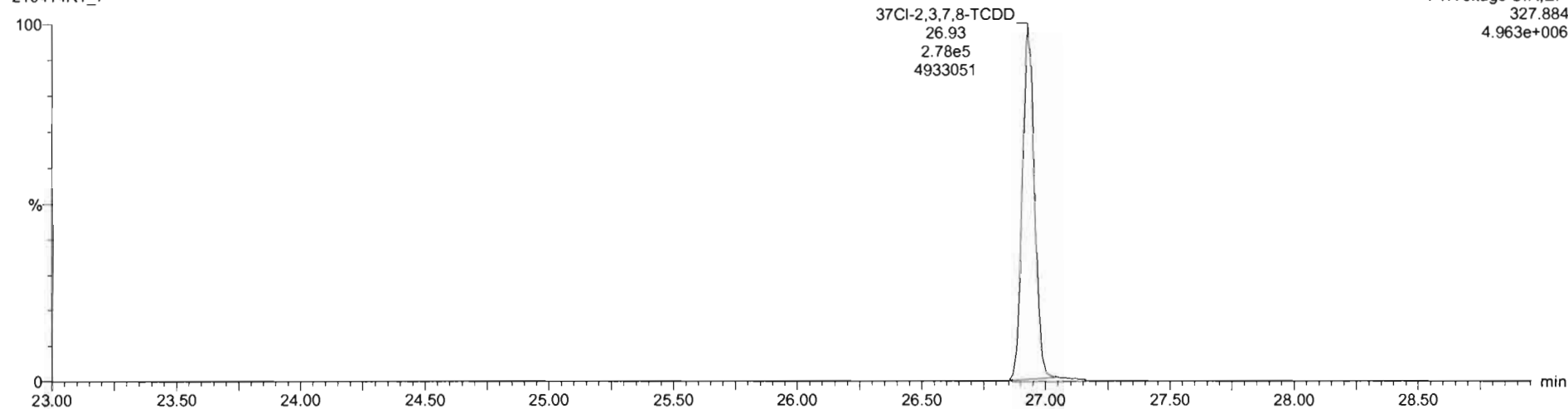
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Printed: Thursday, April 15, 2021 10:05:13 Pacific Daylight Time

Name: 210414R1\_7, Date: 14-Apr-2021, Time: 14:34:13, ID: SS210414R1-1 1613 SSS 21C0108, Description: 1613 SSS 21C0108

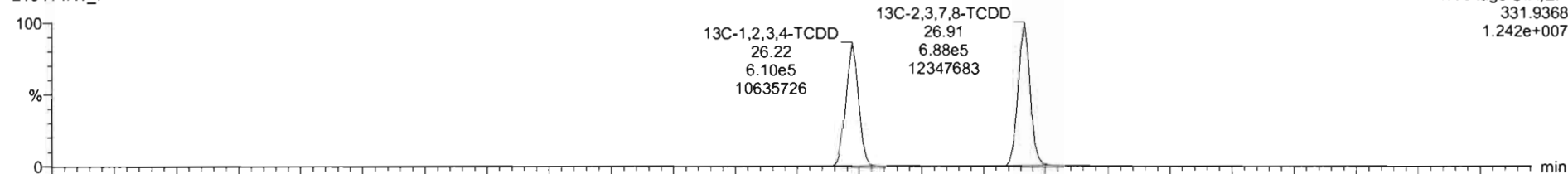
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210414R1\_7

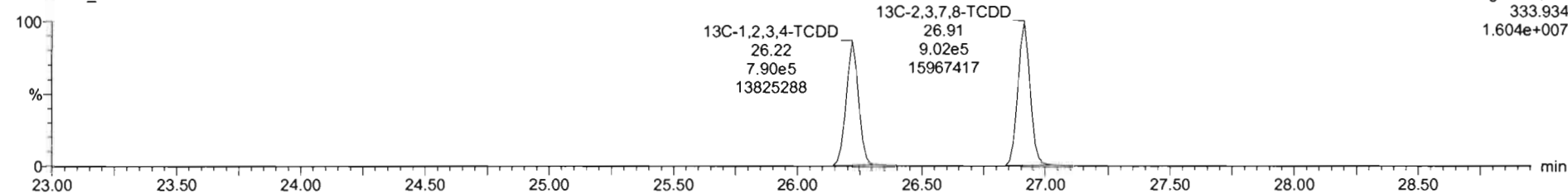


**13C-1,2,3,4-TCDD**

210414R1\_7



210414R1\_7



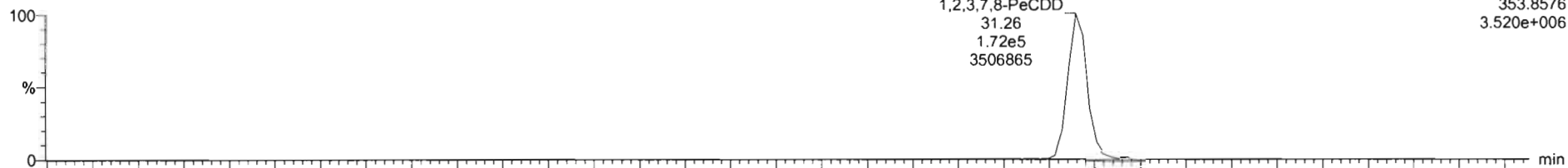
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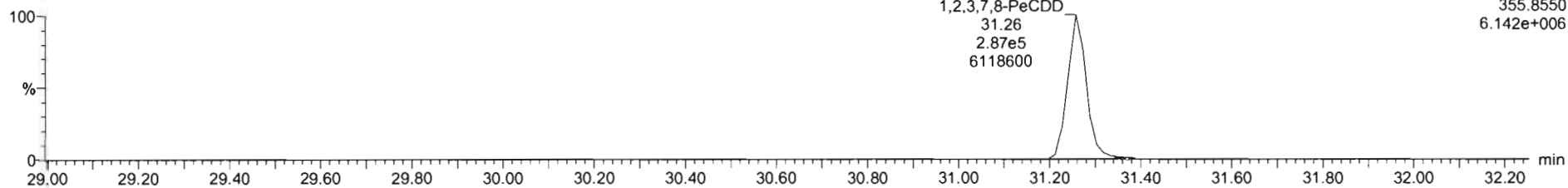
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**1,2,3,7,8-PeCDD**

210414R1\_7

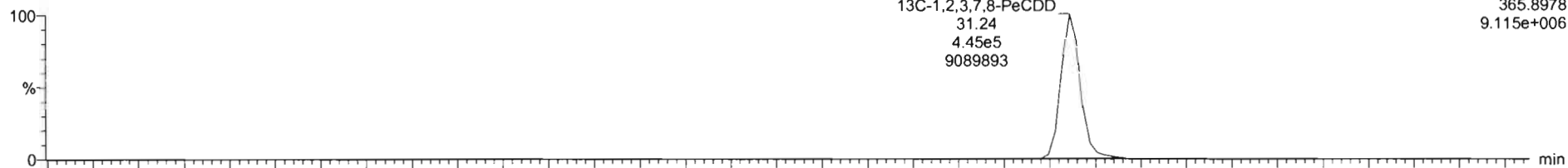


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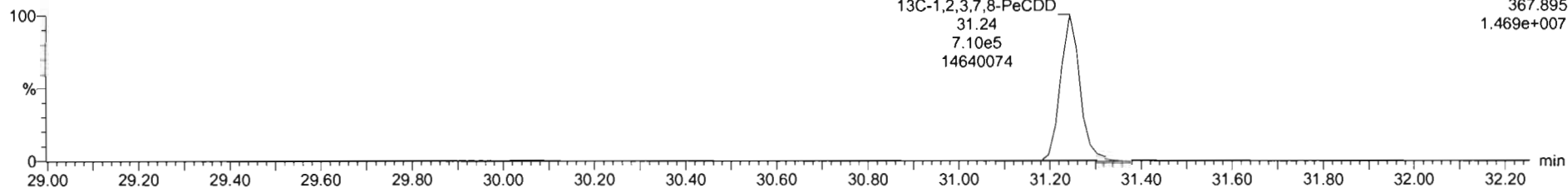


**13C-1,2,3,7,8-PeCDD**

210414R1\_7



210414R1\_7



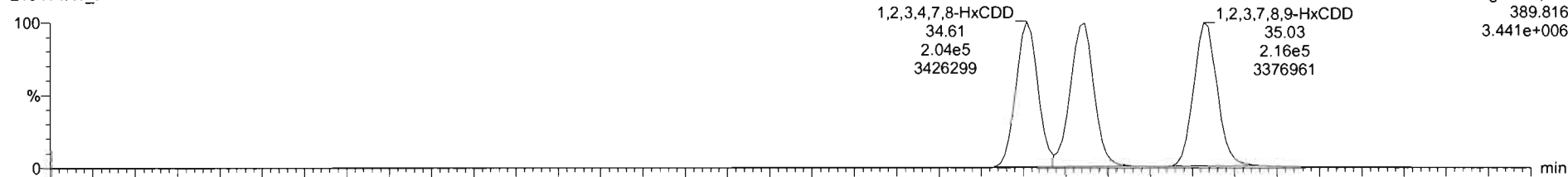
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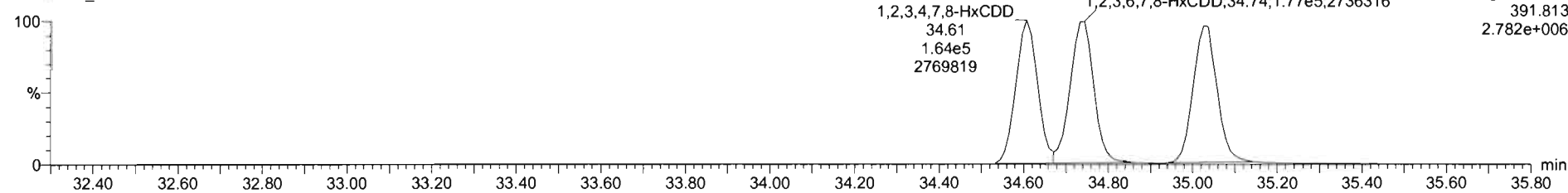
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1,2,3,4,7,8-HxCDD

210414R1\_7

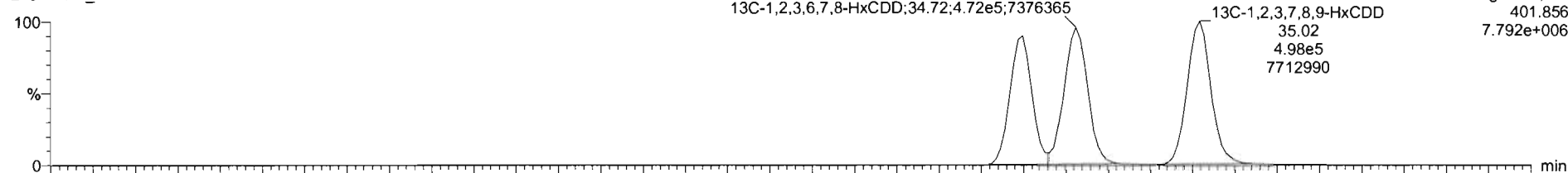


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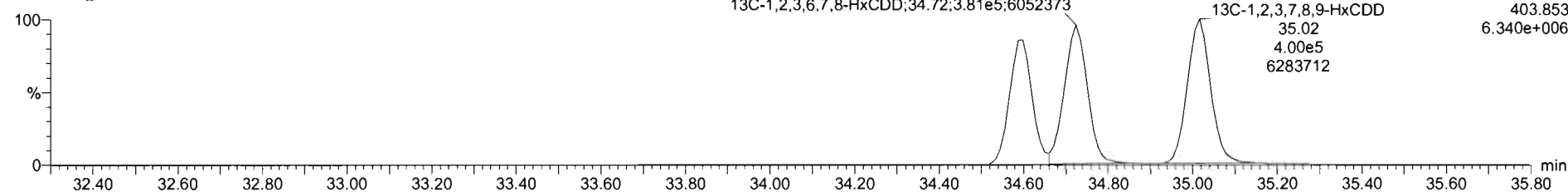


13C-1,2,3,4,7,8-HxCDD

210414R1\_7



210414R1\_7



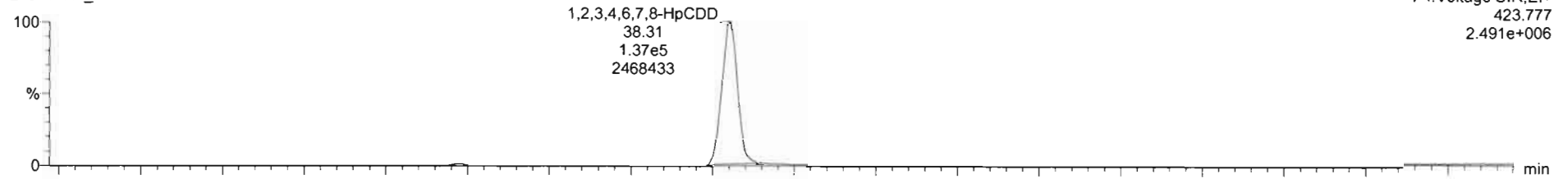
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Printed: Thursday, April 15, 2021 10:05:13 Pacific Daylight Time

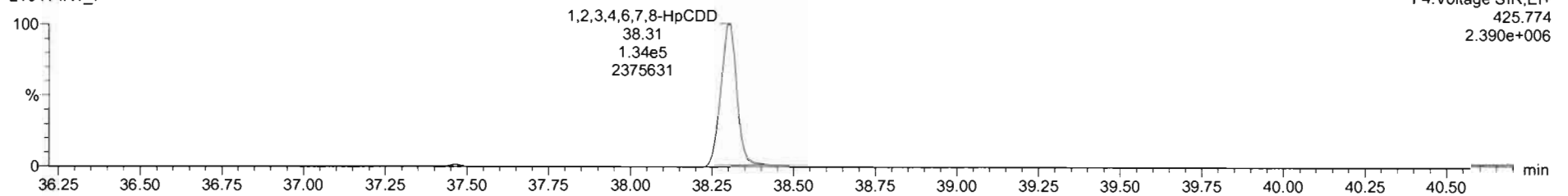
Name: 210414R1\_7, Date: 14-Apr-2021, Time: 14:34:13, ID: SS210414R1-1 1613 SSS 21C0108, Description: 1613 SSS 21C0108

**1,2,3,4,6,7,8-HpCDD**

210414R1\_7

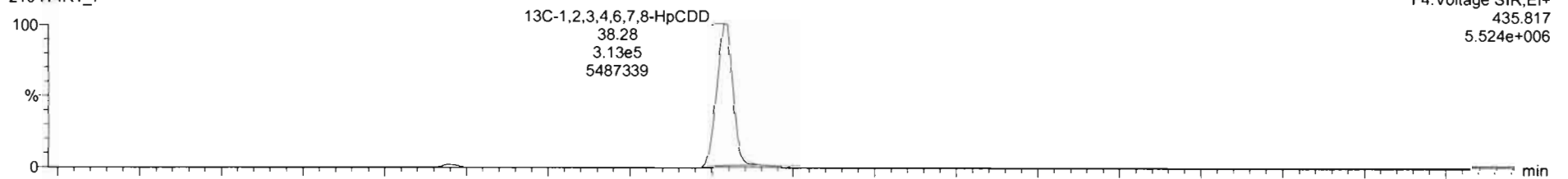


210414R1\_7

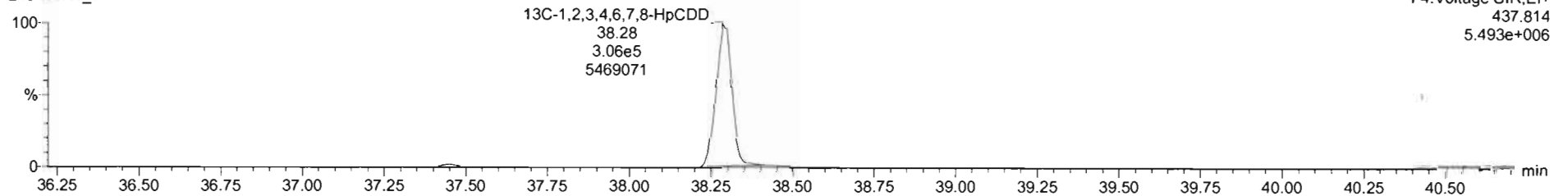


**13C-1,2,3,4,6,7,8-HpCDD**

210414R1\_7



210414R1\_7





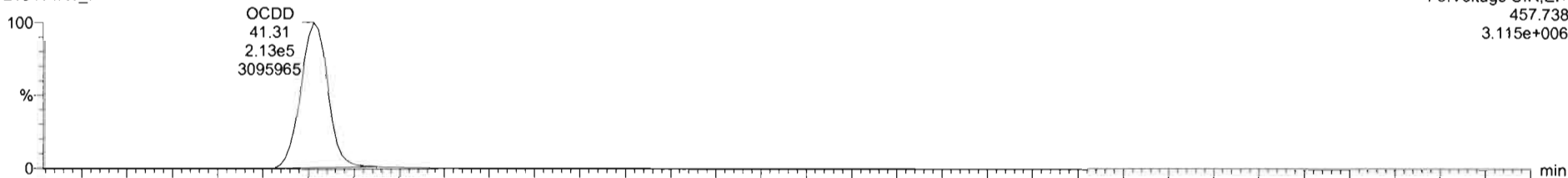
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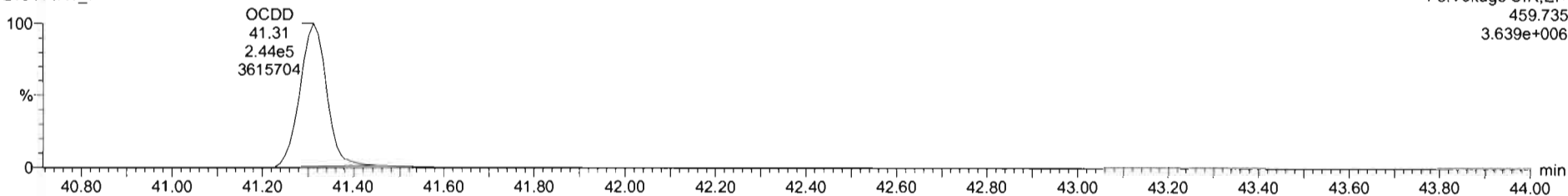
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**OCDD**

210414R1\_7

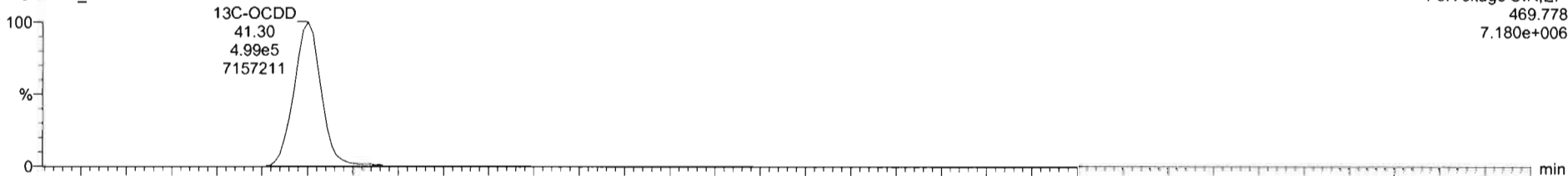


210414R1\_7

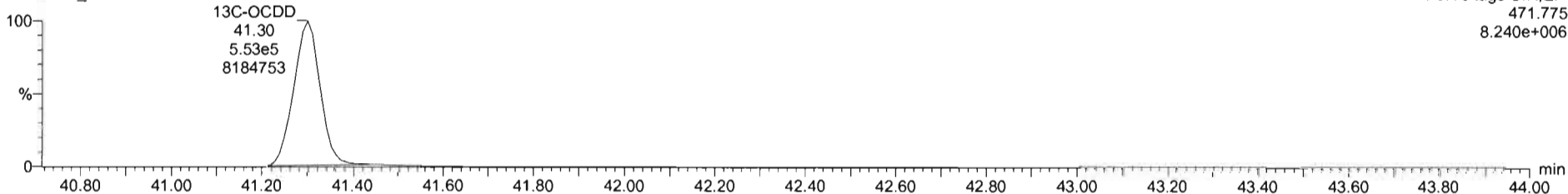


**13C-OCDD**

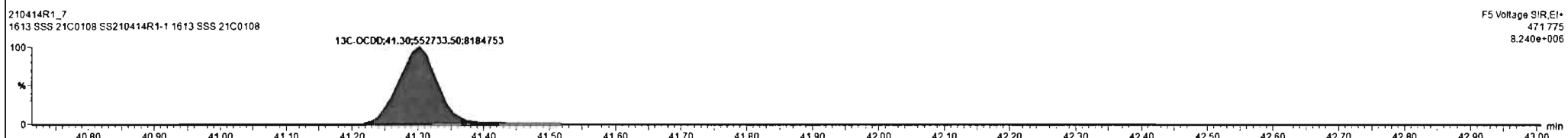
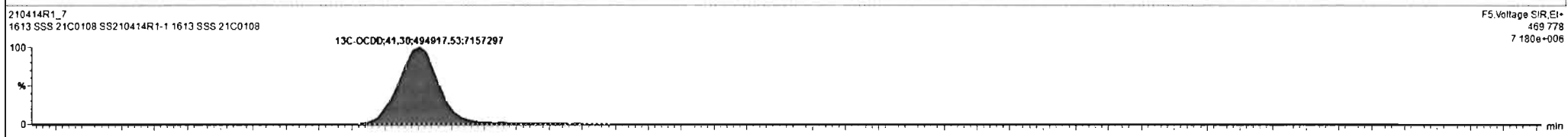
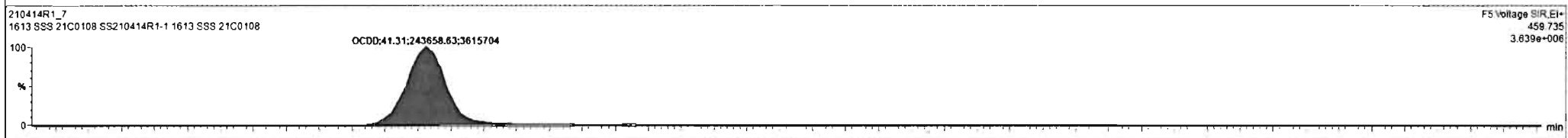
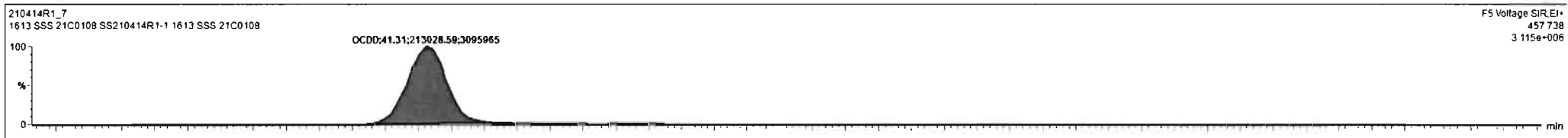
210414R1\_7



210414R1\_7



Name	Resp	RA	nly	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.42e5	0.76	NO	0.9201	1.000	26.43	1.001	9.50	95.9	0.0124	9.50
2 1,2,3,7,8-PeCDD	4.59e5	0.60	NO	0.8257	1.000	31.26	1.000	48.1	96.2	0.0507	48.1
3 1,2,3,4,7,8-HxCDD	3.68e5	1.24	NO	0.9725	1.000	34.61	1.000	50.2	100	0.114	50.2
4 1,2,3,6,7,8-HxCDD	3.95e5	1.23	NO	0.8771	1.000	34.74	1.001	52.9	106	0.119	52.9
5 1,2,3,7,8,9-HxCDD	3.69e5	1.25	NO	0.8739	1.000	35.03	1.000	49.6	99.2	0.114	49.6
6 1,2,3,4,6,7,8-HpCDD	2.71e5	1.02	NO	0.8967	1.000	38.31	1.001	48.7	97.4	0.133	48.7
7 OCDD	4.57e5	0.87	NO	0.8524	1.000	41.31	1.000	102	102	0.151	102
8 2,3,7,8-TCDF	1.58e5	0.75	NO	0.7466	1.000	26.34	1.001	8.83	98.3	0.0164	9.83
9 1,2,3,7,8-PeCDF	6.59e5	1.57	NO	0.8771	1.000	30.10	1.000	47.7	95.4	0.0773	47.7
10 2,3,4,7,8-PeCDF	6.89e5	1.54	NO	0.9621	1.000	31.09	1.000	50.9	102	0.0782	50.9
11 1,2,3,4,7,8-HxCDF	4.77e5	1.21	NO	0.9202	1.000	33.68	1.001	52.9	106	0.0947	52.9
12 1,2,3,6,7,8-HxCDF	5.01e5	1.22	NO	0.9363	1.000	33.81	1.000	51.1	102	0.0912	51.1
13 2,3,4,6,7,8-HxCDF	4.67e5	1.22	NO	0.9725	1.000	34.50	1.000	52.8	106	0.105	52.8



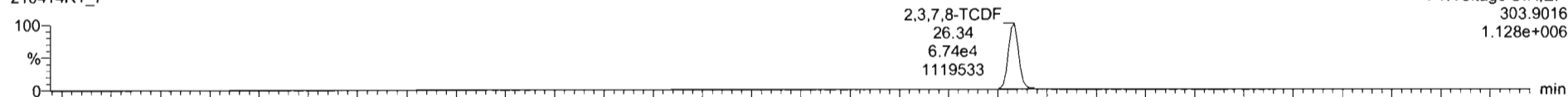
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Printed: Thursday, April 15, 2021 10:05:13 Pacific Daylight Time

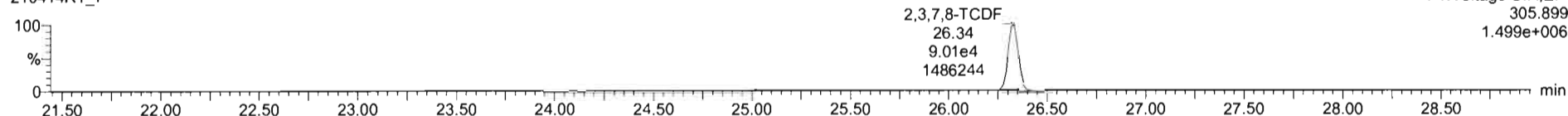
Name: 210414R1\_7, Date: 14-Apr-2021, Time: 14:34:13, ID: SS210414R1-1 1613 SSS 21C0108, Description: 1613 SSS 21C0108

**2,3,7,8-TCDF**

210414R1\_7

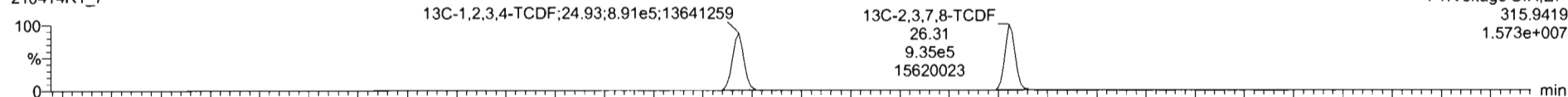


210414R1\_7

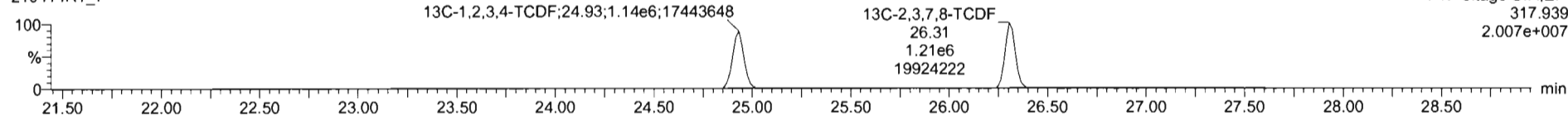


**13C-2,3,7,8-TCDF**

210414R1\_7

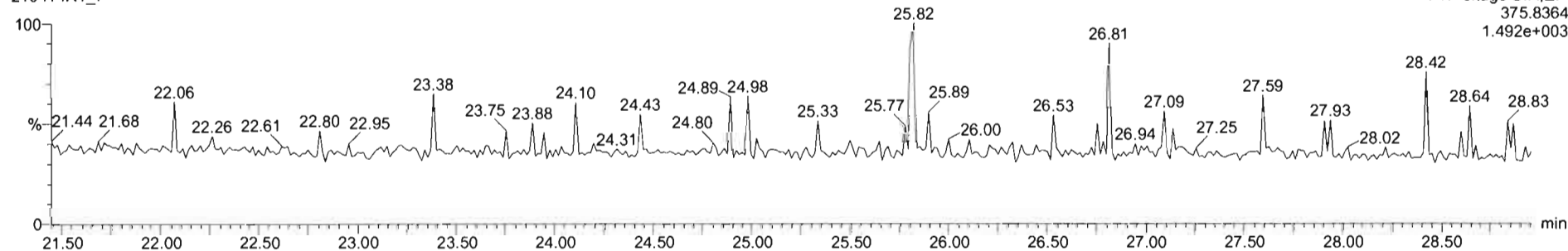


210414R1\_7



**DPE1**

210414R1\_7



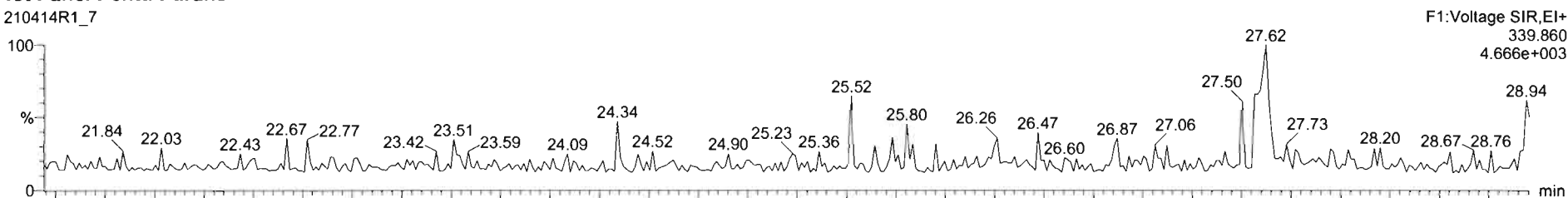
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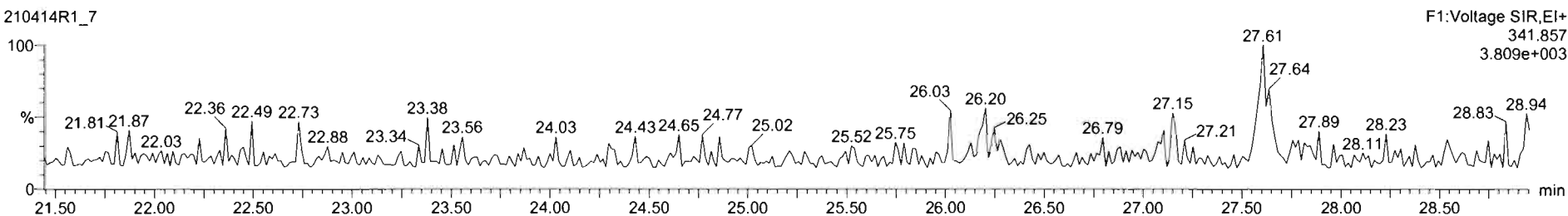
Name: 210414R1\_7, Date: 14-Apr-2021, Time: 14:34:13, ID: SS210414R1-1 1613 SSS 21C0108, Description: 1613 SSS 21C0108

1st Func. Penta-Furans

210414R1\_7

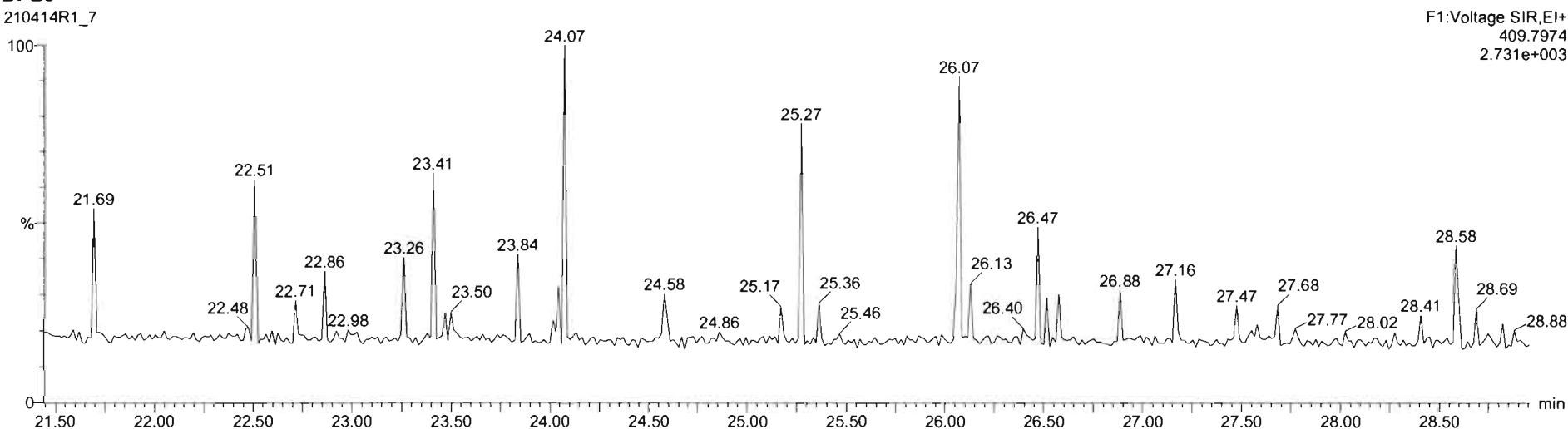


210414R1\_7



DPE6

210414R1\_7



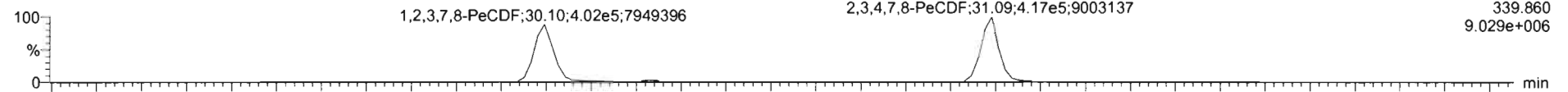
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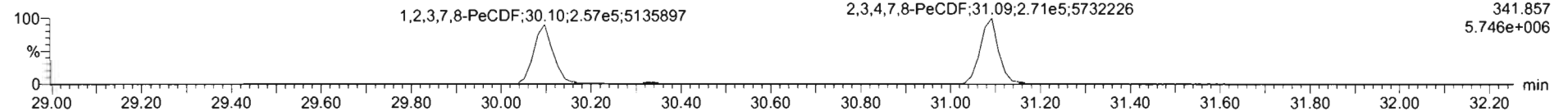
**1,2,3,7,8-PeCDF**

210414R1\_7



F2: Voltage SIR, EI+  
339.860  
9.029e+006

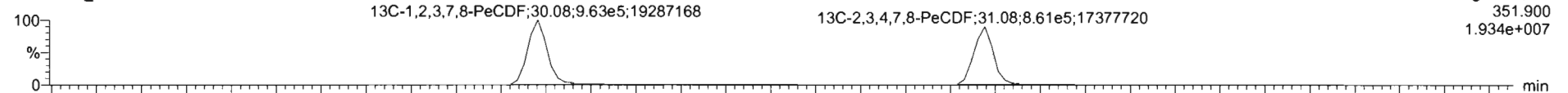
210414R1\_7



F2: Voltage SIR, EI+  
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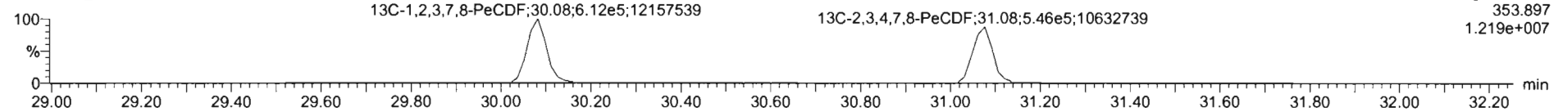
**13C-1,2,3,7,8-PeCDF**

210414R1\_7



F2: Voltage SIR, EI+  
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1.934e+007

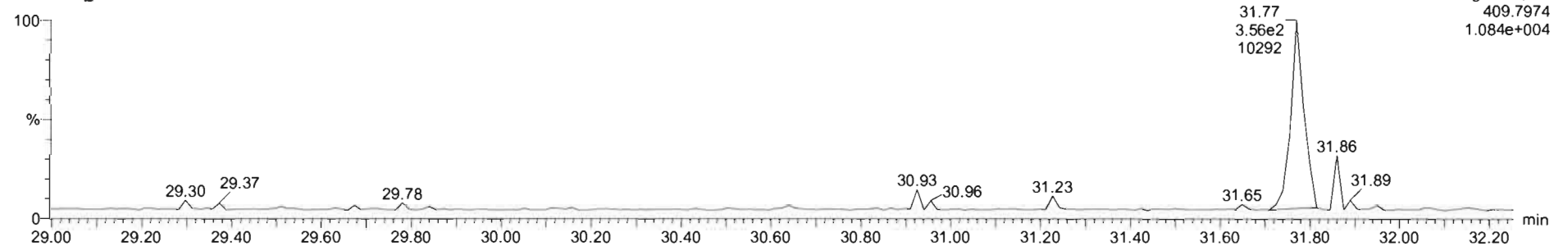
210414R1\_7



F2: Voltage SIR, EI+  
353.897  
1.219e+007

**DPE2**

210414R1\_7



F2: Voltage SIR, EI+  
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1.084e+004

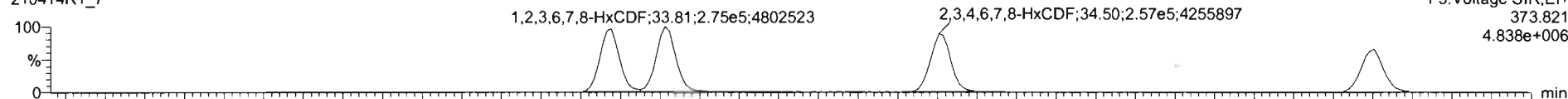
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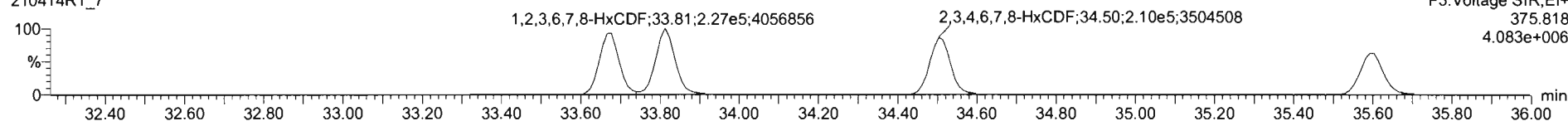
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**1,2,3,4,7,8-HxCDF**

210414R1\_7

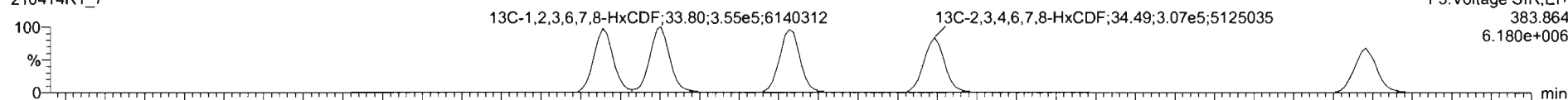


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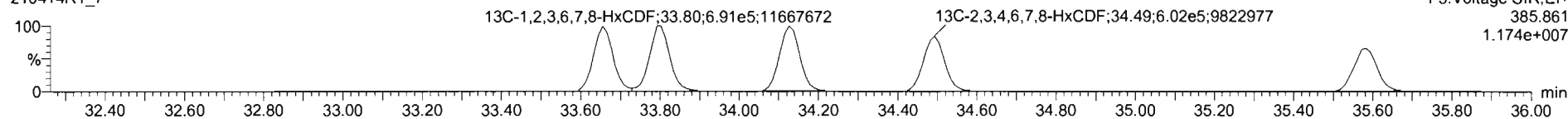


**13C-1,2,3,4,7,8-HxCDF**

210414R1\_7

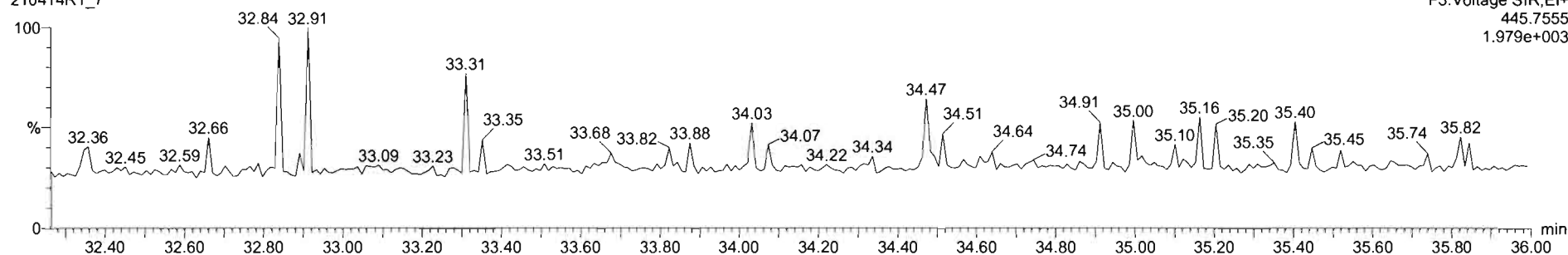


210414R1\_7

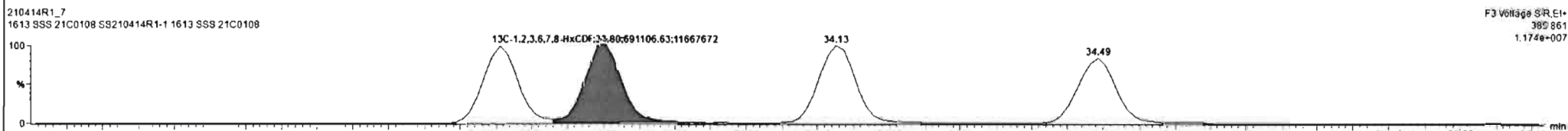
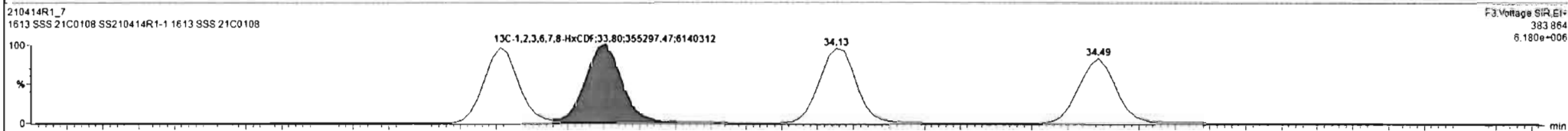
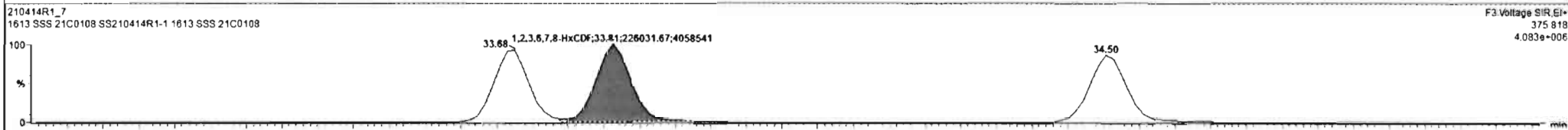
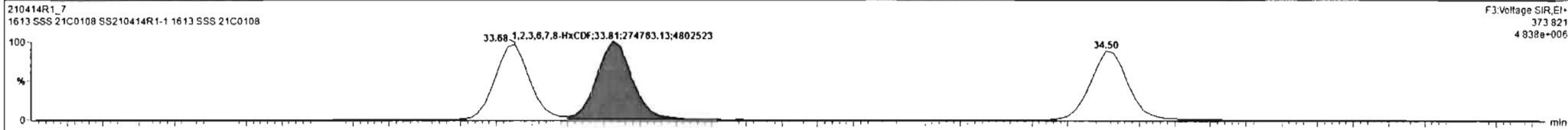


**DPE3**

210414R1\_7

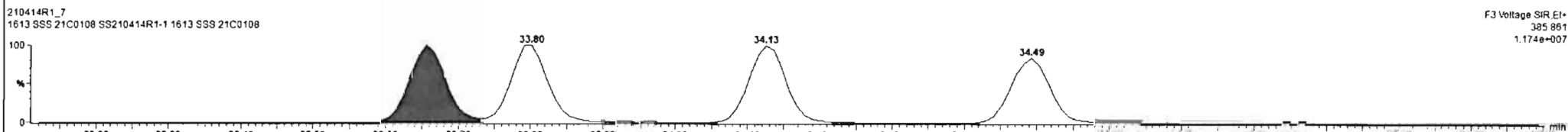
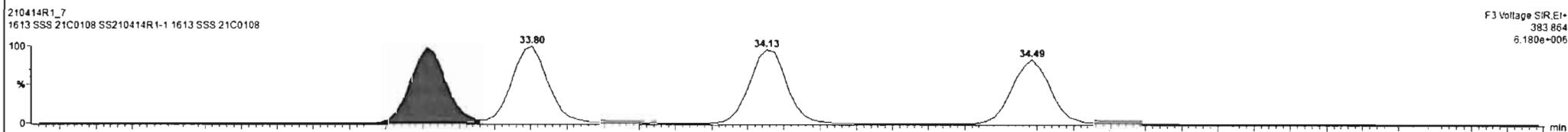
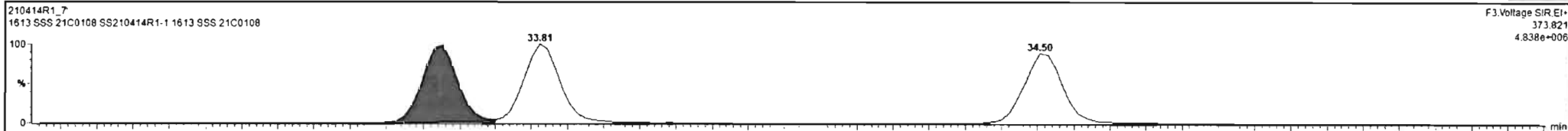


Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	NRec	DL	EMPC	
1	2,3,7,8-TCDD	1.42e5	0.76	NO	0.9291	1.000	26.93	1.001	9.59	95.9	0.0124	9.59
2	1,2,3,7,8-PeCDD	4.59e5	0.60	NO	0.8257	1.000	31.26	1.000	48.1	96.2	0.0507	48.1
3	1,2,3,4,7,8-HxCDD	3.68e5	1.24	NO	0.9725	1.000	34.61	1.000	50.2	100	0.114	50.2
4	1,2,3,6,7,8-HxCDD	3.95e5	1.23	NO	0.8771	1.000	34.74	1.001	52.9	106	0.119	52.9
5	1,2,3,7,8,9-HxCDD	3.89e5	1.25	NO	0.8739	1.000	35.03	1.000	49.6	99.2	0.114	49.6
6	1,2,3,4,6,7,8-HpCDD	2.71e5	1.02	NO	0.8987	1.000	36.31	1.001	48.7	97.4	0.133	48.7
7	OCDD	4.57e5	0.87	NO	0.8524	1.000	41.31	1.000	102	102	0.151	102
8	2,3,7,8-TCDF	1.58e5	0.75	NO	0.7466	1.000	26.34	1.001	9.83	98.3	0.0164	9.83
9	1,2,3,7,8-PeCDF	6.59e5	1.57	NO	0.8771	1.000	30.10	1.000	47.7	95.4	0.0773	47.7
10	2,3,4,7,8-PeCDF	8.89e5	1.54	NO	0.9621	1.000	31.09	1.000	50.9	102	0.0782	50.9
11	1,2,3,4,7,8-HxCDF	4.77e5	1.21	NO	0.9202	1.000	33.68	1.001	52.9	106	0.0947	52.9
12	1,2,3,6,7,8-HxCDF	5.01e5	1.22	NO	0.9363	1.000	33.81	1.000	51.1	102	0.0912	51.1
13	2,3,4,6,7,8-HxCDF	4.87e5	1.22	NO	0.9725	1.000	34.50	1.000	52.8	106	0.105	52.8



Regd. 210414R1\_7 CAP HUM

Name	Resp	RA	nHy	RRF	wt/wal	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.42e5	0.78	NO	0.9291	1.000	28.93	1.001	9.59	95.9	0.0124	9.59
2 1,2,3,7,8-PeCDD	4.59e5	0.60	NO	0.8257	1.000	31.26	1.000	48.1	96.2	0.0507	48.1
3 1,2,3,4,7,8-HxCDD	3.68e5	1.24	NO	0.9725	1.000	34.61	1.000	50.2	100	0.114	50.2
4 1,2,3,6,7,8-HxCDD	3.95e5	1.23	NO	0.8771	1.000	34.74	1.001	52.9	106	0.119	52.9
5 1,2,3,7,8,9-HxCDD	3.89e5	1.25	NO	0.8739	1.000	35.03	1.000	49.6	99.2	0.114	49.6
6 1,2,3,4,6,7,8-HpCDD	2.71e5	1.02	NO	0.8967	1.000	38.31	1.001	48.7	97.4	0.133	48.7
7 OCDD	4.57e5	0.87	NO	0.8524	1.000	41.31	1.000	102	102	0.151	102
8 2,3,7,8-TCDF	1.58e5	0.75	NO	0.7466	1.000	26.34	1.001	9.83	98.3	0.0164	9.83
9 1,2,3,7,8-PeCDF	6.59e5	1.57	NO	0.8771	1.000	30.10	1.000	47.7	95.4	0.0773	47.7
10 2,3,4,7,8-HxCDF	8.89e5	1.54	NO	0.9621	1.000	31.09	1.000	50.8	102	0.0782	50.9
11 1,2,3,4,7,8-HxCDF	4.77e5	1.21	NO	0.9002	1.000	33.68	1.001	52.9	106	0.0947	52.9
12 1,2,3,6,7,8-HxCDF	5.01e5	1.22	NO	0.9363	1.000	33.81	1.000	51.1	102	0.0912	51.1
13 2,3,4,6,7,8-HxCDF	4.87e5	1.22	NO	0.9725	1.000	34.50	1.000	52.6	106	0.105	52.8



Regdx 210414R1\_7 CAP NUM

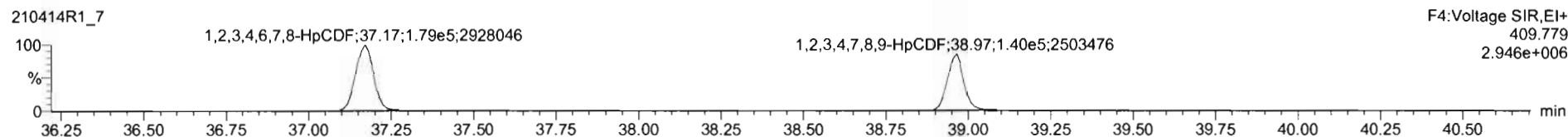
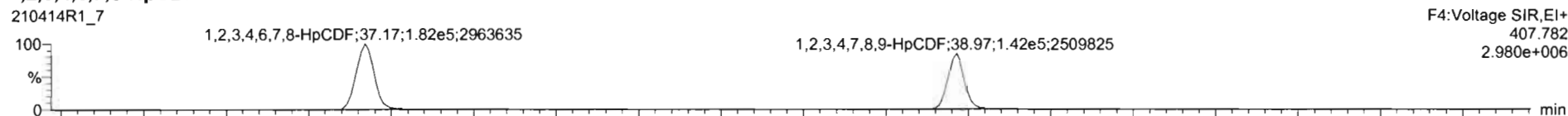


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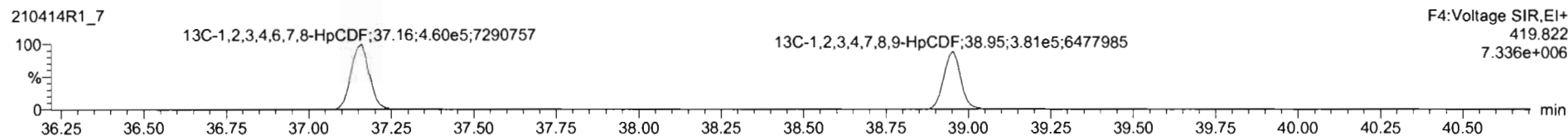
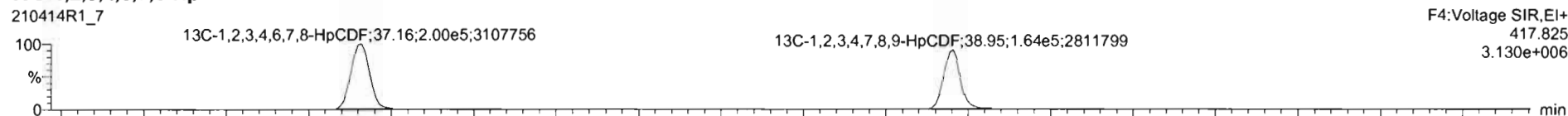
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Printed: Thursday, April 15, 2021 10:05:13 Pacific Daylight Time

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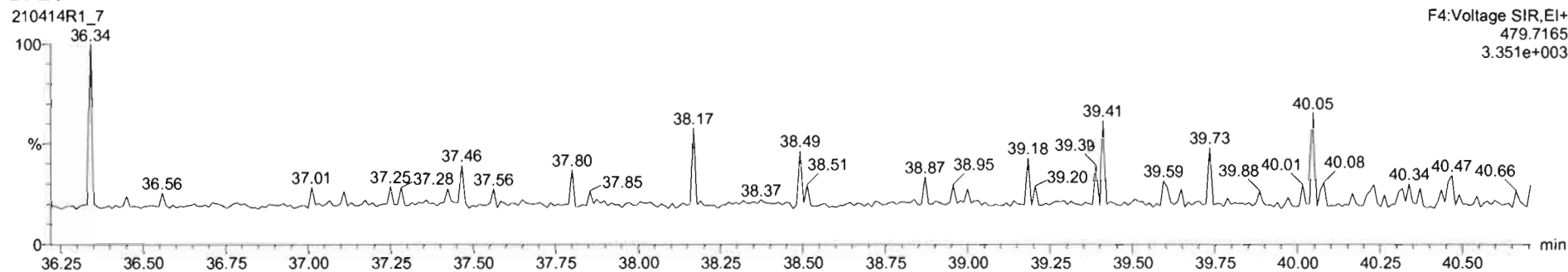
**1,2,3,4,6,7,8-HpCDF**



**13C-1,2,3,4,6,7,8-HpCDF**



**DPE4**



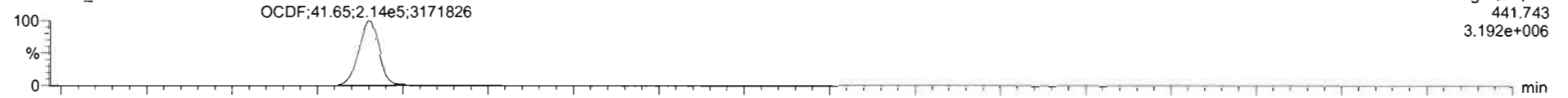
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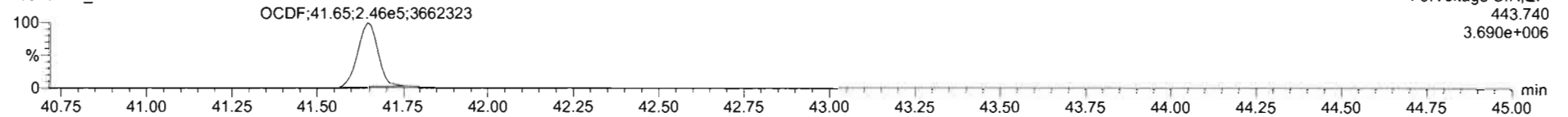
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**OCDF**

210414R1\_7

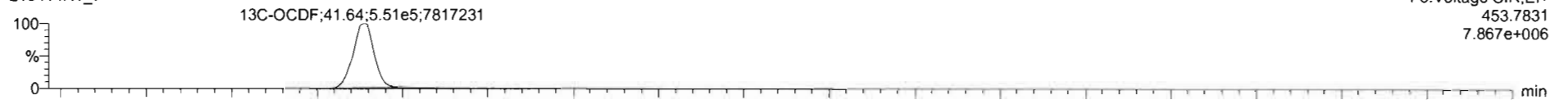


210414R1\_7

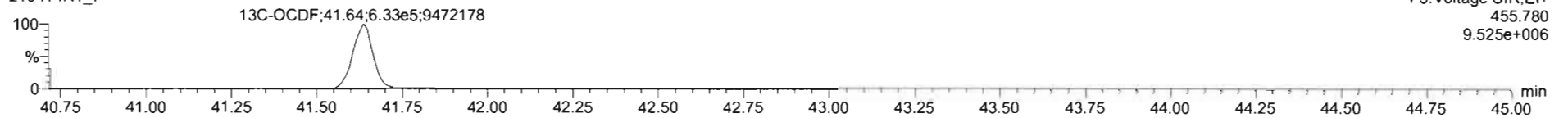


**13C-OCDF**

210414R1\_7

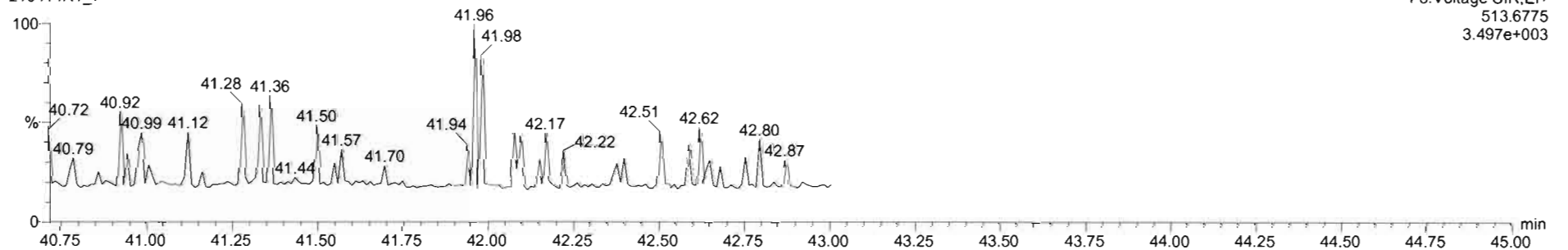


210414R1\_7



**DPE5**

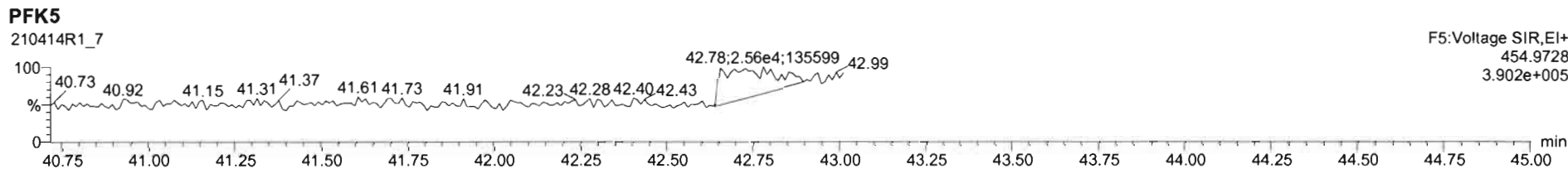
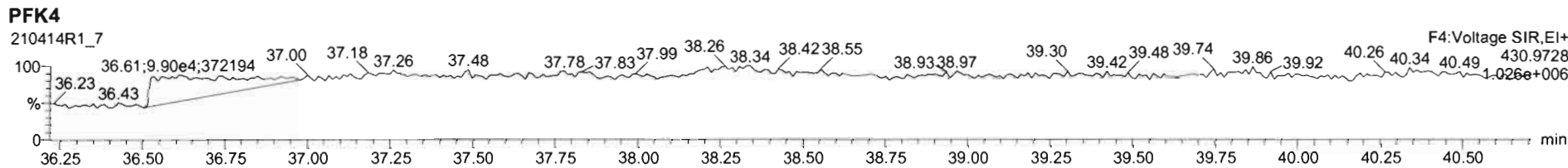
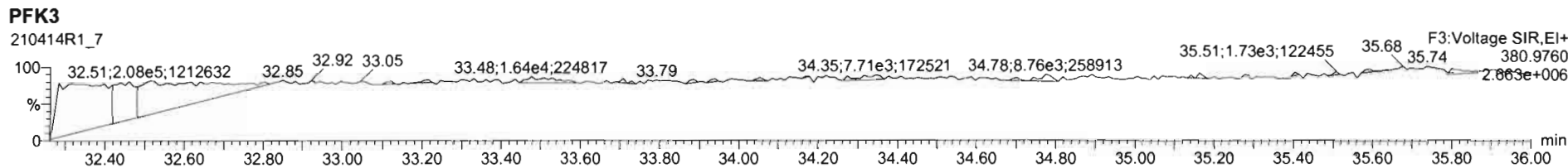
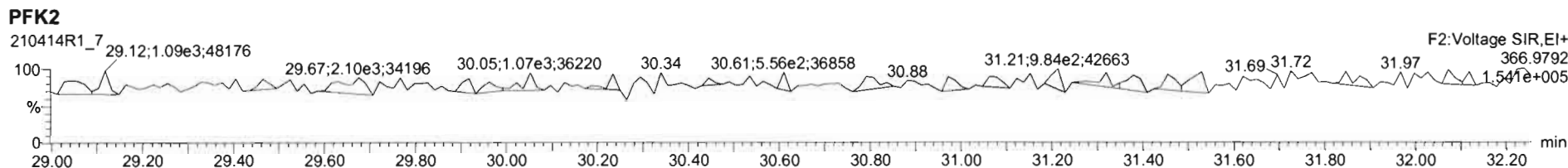
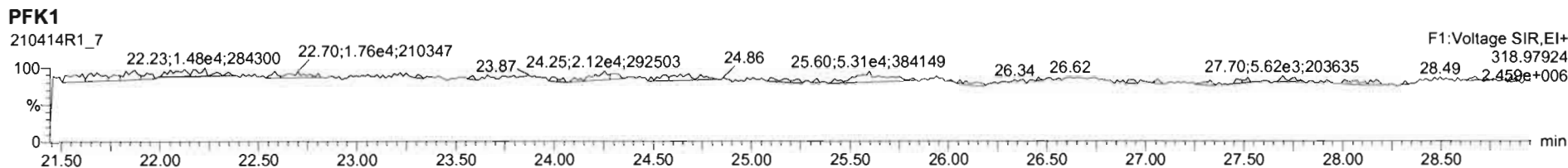
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Last Altered: Thursday, April 15, 2021 10:05:01 Pacific Daylight Time  
Printed: Thursday, April 15, 2021 10:05:13 Pacific Daylight Time

Name: 210414R1\_7, Date: 14-Apr-2021, Time: 14:34:13, ID: SS210414R1-1 1613 SSS 21C0108, Description: 1613 SSS 21C0108



Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

*Hc 11-26-2020*

*GPB 11/26/2020*

Last Altered: Wednesday, November 25, 2020 17:49:42 Pacific Standard Time  
 Printed: Thursday, November 26, 2020 07:29:32 Pacific Standard Time

*- Beginning res check had one mass under to K<sub>1</sub> column bleed  
 - End rescheck had 1 mass under 10K and 2 masses affected by column bleed*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_11-24-20.mdb 25 Nov 2020 08:43:46  
 Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

**Compound name: PCB-1**

Response Factor: 0.985672

RRF SD: 0.0704918, Relative SD: 7.15164

Response type: Internal Std ( Ref 169 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	3.36	NO	15.44	1.001	7.25e3	2.97e6	0.248	-0.7	0.978	bb
2	201125K1_2	1.00	3.12	NO	15.44	1.001	2.97e4	3.25e6	0.928	-7.2	0.915	bb
3	201125K1_3	2.50	3.27	NO	15.44	1.001	8.50e4	3.65e6	2.36	-5.5	0.932	bb
4	201125K1_4	50.0	3.21	NO	15.44	1.001	1.86e6	3.34e6	56.4	12.8	1.11	bb
5	201125K1_5	400	3.16	NO	15.43	1.001	1.40e7	3.47e6	410	2.6	1.01	bb
6	201125K1_6	1000	3.14	NO	15.47	1.002	3.16e7	3.27e6	980	-2.0	0.966	bb

**Compound name: PCB-2**

Response Factor: 1.02202

RRF SD: 0.0760829, Relative SD: 7.44434

Response type: Internal Std ( Ref 170 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	2.88	NO	17.83	0.988	7.66e3	2.95e6	0.254	1.7	1.04	MM
2	201125K1_2	1.00	3.20	NO	17.83	0.988	3.14e4	3.20e6	0.961	-3.9	0.982	bb
3	201125K1_3	2.50	3.15	NO	17.83	0.988	8.38e4	3.59e6	2.28	-8.7	0.933	bd
4	201125K1_4	50.0	3.21	NO	17.83	0.988	1.90e6	3.30e6	56.4	12.7	1.15	bb
5	201125K1_5	400	3.16	NO	17.83	0.988	1.45e7	3.46e6	409	2.2	1.04	bb
6	201125K1_6	1000	3.17	NO	17.85	0.988	3.33e7	3.39e6	960	-4.0	0.981	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

Last Altered: Wednesday, November 25, 2020 17:49:42 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:29:32 Pacific Standard Time

**Compound name: PCB-3**

Response Factor: 1.0025

RRF SD: 0.0765671, Relative SD: 7.63759

Response type: Internal Std ( Ref 170 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	2.98	NO	18.07	1.001	7.17e3	2.95e6	0.242	-3.0	0.972	MM
2	201125K1_2	1.00	3.11	NO	18.07	1.001	3.10e4	3.20e6	0.969	-3.1	0.971	bb
3	201125K1_3	2.50	3.10	NO	18.07	1.001	8.35e4	3.59e6	2.32	-7.3	0.929	db
4	201125K1_4	50.0	3.16	NO	18.07	1.001	1.89e6	3.30e6	57.1	14.2	1.14	bb
5	201125K1_5	400	3.14	NO	18.06	1.001	1.42e7	3.46e6	411	2.7	1.03	bb
6	201125K1_6	1000	3.13	NO	18.09	1.001	3.29e7	3.39e6	966	-3.4	0.968	bb

**Compound name: PCB-4/10**

Response Factor: 1.20743

RRF SD: 0.0879846, Relative SD: 7.28692

Response type: Internal Std ( Ref 171 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.63	NO	19.47	1.004	1.15e4	1.93e6	0.494	-1.1	1.19	MM
2	201125K1_2	2.00	1.61	NO	19.47	1.004	4.70e4	2.09e6	1.87	-6.7	1.13	MM
3	201125K1_3	5.00	1.55	NO	19.48	1.004	1.31e5	2.30e6	4.70	-5.9	1.14	MM
4	201125K1_4	100	1.58	NO	19.48	1.004	2.86e6	2.10e6	113	13.0	1.36	MM
5	201125K1_5	800	1.59	NO	19.47	1.004	2.18e7	2.19e6	825	3.1	1.24	MM
6	201125K1_6	2000	1.57	NO	19.49	1.004	5.09e7	2.15e6	1950	-2.3	1.18	MM

**Compound name: PCB-7/9**

Response Factor: 0.938865

RRF SD: 0.0704388, Relative SD: 7.50254

Response type: Internal Std ( Ref 172 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.47	NO	21.27	1.003	1.44e4	3.09e6	0.496	-0.7	0.932	MM
2	201125K1_2	2.00	1.54	NO	21.26	1.003	6.04e4	3.35e6	1.92	-3.9	0.903	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

Last Altered: Wednesday, November 25, 2020 17:49:42 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:29:32 Pacific Standard Time

**Compound name: PCB-7/9**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	5.00	1.61	NO	21.26	1.003	1.59e5	3.70e6	4.58	-8.5	0.859	bb
4	201125K1_4	100	1.59	NO	21.24	1.002	3.52e6	3.30e6	114	13.5	1.07	bb
5	201125K1_5	800	1.58	NO	21.26	1.003	2.70e7	3.52e6	816	2.0	0.958	bb
6	201125K1_6	2000	1.58	NO	21.26	1.002	6.37e7	3.48e6	1950	-2.5	0.915	bb

**Compound name: PCB-6**

Response Factor: 0.996323

RRF SD: 0.0783203, Relative SD: 7.86093

Response type: Internal Std ( Ref 172 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.40	NO	21.92	1.033	8.07e3	3.09e6	0.262	4.9	1.05	MM
2	201125K1_2	1.00	1.61	NO	21.92	1.033	3.12e4	3.35e6	0.935	-6.5	0.931	MM
3	201125K1_3	2.50	1.56	NO	21.92	1.033	8.40e4	3.70e6	2.28	-8.9	0.907	bb
4	201125K1_4	50.0	1.60	NO	21.92	1.033	1.85e6	3.30e6	56.2	12.5	1.12	bb
5	201125K1_5	400	1.59	NO	21.92	1.034	1.41e7	3.52e6	403	0.7	1.00	bb
6	201125K1_6	1000	1.59	NO	21.93	1.033	3.38e7	3.48e6	974	-2.6	0.970	bb

**Compound name: PCB-5/8**

Response Factor: 0.975768

RRF SD: 0.0765916, Relative SD: 7.84937

Response type: Internal Std ( Ref 172 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.40	NO	22.33	1.053	1.59e4	3.09e6	0.527	5.3	1.03	MM
2	201125K1_2	2.00	1.66	NO	22.32	1.052	6.08e4	3.35e6	1.86	-6.9	0.908	MM
3	201125K1_3	5.00	1.62	NO	22.32	1.052	1.65e5	3.70e6	4.57	-8.6	0.892	bb
4	201125K1_4	100	1.57	NO	22.32	1.052	3.62e6	3.30e6	112	12.3	1.10	bb
5	201125K1_5	800	1.57	NO	22.32	1.053	2.76e7	3.52e6	804	0.5	0.980	bb
6	201125K1_6	2000	1.57	NO	22.34	1.052	6.61e7	3.48e6	1950	-2.6	0.950	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

Last Altered: Wednesday, November 25, 2020 17:49:42 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:29:32 Pacific Standard Time

**Compound name: PCB-14**

Response Factor: 1.02377

RRF SD: 0.0911805, Relative SD: 8.90635

Response type: Internal Std ( Ref 173 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.51	NO	23.45	0.951	8.24e3	2.98e6	0.270	7.9	1.10	bd
2	201125K1_2	1.00	1.71	NO	23.45	0.951	3.04e4	3.27e6	0.909	-9.1	0.930	bd
3	201125K1_3	2.50	1.60	NO	23.45	0.951	8.37e4	3.57e6	2.29	-8.4	0.938	bb
4	201125K1_4	50.0	1.60	NO	23.45	0.951	1.83e6	3.17e6	56.4	12.9	1.16	bd
5	201125K1_5	400	1.58	NO	23.45	0.951	1.39e7	3.38e6	403	0.7	1.03	bb
6	201125K1_6	1000	1.59	NO	23.47	0.951	3.37e7	3.43e6	961	-3.9	0.983	bd

**Compound name: PCB-11**

Response Factor: 1.11599

RRF SD: 0.111011, Relative SD: 9.94726

Response type: Internal Std ( Ref 173 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.69	NO	24.68	1.001	9.47e3	2.98e6	0.284	13.7	1.27	MM
2	201125K1_2	1.00	1.62	NO	24.67	1.001	3.37e4	3.27e6	0.924	-7.6	1.03	db
3	201125K1_3	2.50	1.63	NO	24.67	1.001	8.95e4	3.57e6	2.25	-10.1	1.00	db
4	201125K1_4	50.0	1.59	NO	24.68	1.001	1.95e6	3.17e6	55.3	10.6	1.23	db
5	201125K1_5	400	1.56	NO	24.68	1.001	1.49e7	3.38e6	397	-0.9	1.11	db
6	201125K1_6	1000	1.60	NO	24.69	1.001	3.61e7	3.43e6	942	-5.8	1.05	db

**Compound name: PCB-12/13**

Response Factor: 1.01889

RRF SD: 0.0791029, Relative SD: 7.76366

Response type: Internal Std ( Ref 173 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.46	NO	25.04	1.015	1.55e4	2.98e6	0.510	2.0	1.04	MM
2	201125K1_2	2.00	1.63	NO	25.04	1.016	6.21e4	3.27e6	1.87	-6.7	0.951	MM

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

Last Altered: Wednesday, November 25, 2020 17:49:42 Pacific Standard Time  
 Printed: Thursday, November 26, 2020 07:29:32 Pacific Standard Time

**Compound name: PCB-12/13**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	5.00	1.53	NO	25.04	1.016	1.68e5	3.57e6	4.61	-7.8	0.939	MM
4	201125K1_4	100	1.58	NO	25.05	1.016	3.66e6	3.17e6	113	13.3	1.15	MM
5	201125K1_5	800	1.59	NO	25.04	1.016	2.81e7	3.38e6	817	2.2	1.04	MM
6	201125K1_6	2000	1.58	NO	25.06	1.016	6.78e7	3.43e6	1940	-3.0	0.988	MM

**Compound name: PCB-15**

Response Factor: 1.01688

RRF SD: 0.086291, Relative SD: 8.48583

Response type: Internal Std ( Ref 173 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.48	NO	25.39	1.030	7.29e3	2.98e6	0.240	-3.8	0.978	MM
2	201125K1_2	1.00	1.70	NO	25.39	1.030	3.09e4	3.27e6	0.932	-6.8	0.948	MM
3	201125K1_3	2.50	1.71	NO	25.39	1.030	8.44e4	3.57e6	2.32	-7.0	0.945	MM
4	201125K1_4	50.0	1.56	NO	25.39	1.030	1.86e6	3.17e6	57.8	15.7	1.18	MM
5	201125K1_5	400	1.56	NO	25.39	1.030	1.40e7	3.38e6	409	2.1	1.04	MM
6	201125K1_6	1000	1.58	NO	25.41	1.030	3.48e7	3.43e6	999	-0.1	1.02	MM

**Compound name: PCB-19**

Response Factor: 0.972102

RRF SD: 0.0817166, Relative SD: 8.40617

Response type: Internal Std ( Ref 174 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.10	NO	23.64	1.001	4.17e3	1.59e6	0.270	8.0	1.05	MM
2	201125K1_2	1.00	1.03	NO	23.63	1.001	1.61e4	1.76e6	0.941	-5.9	0.914	bb
3	201125K1_3	2.50	1.04	NO	23.64	1.001	4.28e4	1.98e6	2.23	-10.9	0.866	bb
4	201125K1_4	50.0	1.02	NO	23.64	1.001	9.46e5	1.75e6	55.5	11.0	1.08	bb
5	201125K1_5	400	1.03	NO	23.64	1.001	7.38e6	1.87e6	406	1.5	0.987	bb
6	201125K1_6	1000	1.03	NO	23.65	1.001	1.72e7	1.84e6	964	-3.6	0.937	bb



Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-30**

Response Factor: 1.54024

RRF SD: 0.117379, Relative SD: 7.62081

Response type: Internal Std ( Ref 174 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.98	NO	24.56	1.040	6.26e3	1.59e6	0.255	2.2	1.57	bb
2	201125K1_2	1.00	1.03	NO	24.55	1.040	2.54e4	1.76e6	0.936	-6.4	1.44	bb
3	201125K1_3	2.50	1.03	NO	24.55	1.039	6.94e4	1.98e6	2.28	-8.8	1.40	bb
4	201125K1_4	50.0	1.04	NO	24.56	1.040	1.52e6	1.75e6	56.2	12.5	1.73	bb
5	201125K1_5	400	1.03	NO	24.56	1.040	1.18e7	1.87e6	411	2.7	1.58	bb
6	201125K1_6	1000	1.03	NO	24.57	1.040	2.77e7	1.84e6	979	-2.1	1.51	bb

**Compound name: PCB-18**

Response Factor: 0.719392

RRF SD: 0.0623199, Relative SD: 8.66286

Response type: Internal Std ( Ref 175 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.11	NO	25.33	0.952	4.47e3	2.30e6	0.270	8.0	0.777	MM
2	201125K1_2	1.00	1.02	NO	25.32	0.952	1.69e4	2.54e6	0.923	-7.7	0.664	bd
3	201125K1_3	2.50	1.03	NO	25.32	0.952	4.67e4	2.88e6	2.26	-9.7	0.650	bd
4	201125K1_4	50.0	1.03	NO	25.32	0.952	1.02e6	2.56e6	55.6	11.3	0.801	bd
5	201125K1_5	400	1.03	NO	25.32	0.952	8.03e6	2.71e6	411	2.8	0.740	bd
6	201125K1_6	1000	1.03	NO	25.33	0.951	1.88e7	2.74e6	952	-4.8	0.685	bd

**Compound name: PCB-17**

Response Factor: 0.671724

RRF SD: 0.0544809, Relative SD: 8.11061

Response type: Internal Std ( Ref 175 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.01	NO	25.49	0.958	4.09e3	2.30e6	0.265	6.0	0.712	MM
2	201125K1_2	1.00	0.98	NO	25.49	0.959	1.61e4	2.54e6	0.942	-5.8	0.633	db

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-17**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.02	NO	25.49	0.959	4.38e4	2.88e6	2.27	-9.3	0.610	db
4	201125K1_4	50.0	1.03	NO	25.49	0.959	9.59e5	2.56e6	55.8	11.7	0.750	db
5	201125K1_5	400	1.02	NO	25.49	0.959	7.50e6	2.71e6	411	2.8	0.691	db
6	201125K1_6	1000	1.03	NO	25.51	0.959	1.74e7	2.74e6	945	-5.5	0.635	db

**Compound name: PCB-24/27**

Response Factor: 0.932359

RRF SD: 0.0709484, Relative SD: 7.60956

Response type: Internal Std ( Ref 175 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.07	NO	26.09	0.981	1.07e4	2.30e6	0.498	-0.4	0.929	MM
2	201125K1_2	2.00	0.98	NO	26.08	0.981	4.49e4	2.54e6	1.89	-5.4	0.882	bb
3	201125K1_3	5.00	1.01	NO	26.08	0.981	1.22e5	2.88e6	4.55	-9.0	0.849	bb
4	201125K1_4	100	1.03	NO	26.08	0.981	2.69e6	2.56e6	113	12.8	1.05	bb
5	201125K1_5	800	1.03	NO	26.08	0.981	2.10e7	2.71e6	828	3.5	0.965	bb
6	201125K1_6	2000	1.04	NO	26.10	0.981	5.02e7	2.74e6	1970	-1.6	0.917	bb

**Compound name: PCB-16/32**

Response Factor: 0.824375

RRF SD: 0.0766559, Relative SD: 9.29866

Response type: Internal Std ( Ref 175 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.19	NO	26.62	1.000	1.06e4	2.30e6	0.560	12.0	0.923	MM
2	201125K1_2	2.00	0.99	NO	26.62	1.001	3.96e4	2.54e6	1.89	-5.7	0.778	bb
3	201125K1_3	5.00	1.08	NO	26.62	1.001	1.05e5	2.88e6	4.44	-11.2	0.732	bb
4	201125K1_4	100	1.03	NO	26.62	1.001	2.32e6	2.56e6	110	10.1	0.908	bb
5	201125K1_5	800	1.03	NO	26.62	1.001	1.80e7	2.71e6	802	0.3	0.827	bb
6	201125K1_6	2000	1.03	NO	26.64	1.001	4.27e7	2.74e6	1890	-5.5	0.779	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-34**

Response Factor: 0.877693

RRF SD: 0.0699252, Relative SD: 7.96693

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	0.250	1.10	NO	27.44	0.959	5.72e3	2.83e6	0.230	-7.9	0.808	bd
2 201125K1_2	1.00	1.03	NO	27.42	0.958	2.59e4	3.00e6	0.983	-1.7	0.863	bd
3 201125K1_3	2.50	1.02	NO	27.44	0.959	7.00e4	3.35e6	2.38	-4.7	0.837	bd
4 201125K1_4	50.0	1.06	NO	27.44	0.959	1.50e6	2.99e6	57.2	14.4	1.00	bd
5 201125K1_5	400	1.05	NO	27.44	0.959	1.15e7	3.18e6	414	3.4	0.908	bd
6 201125K1_6	1000	1.08	NO	27.46	0.959	2.74e7	3.23e6	966	-3.4	0.848	bd

**Compound name: PCB-23**

Response Factor: 0.891988

RRF SD: 0.0647883, Relative SD: 7.26336

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	0.250	1.05	NO	27.53	0.962	6.33e3	2.83e6	0.250	0.2	0.894	db
2 201125K1_2	1.00	1.04	NO	27.53	0.962	2.57e4	3.00e6	0.959	-4.1	0.855	dd
3 201125K1_3	2.50	1.05	NO	27.53	0.962	6.96e4	3.35e6	2.33	-6.7	0.832	db
4 201125K1_4	50.0	1.06	NO	27.53	0.962	1.51e6	2.99e6	56.6	13.1	1.01	db
5 201125K1_5	400	1.07	NO	27.53	0.962	1.16e7	3.18e6	409	2.4	0.913	db
6 201125K1_6	1000	1.08	NO	27.55	0.962	2.74e7	3.23e6	951	-4.9	0.849	dd

**Compound name: PCB-29**

Response Factor: 0.861261

RRF SD: 0.0600608, Relative SD: 6.97358

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	0.250	0.96	NO	27.79	0.971	5.96e3	2.83e6	0.244	-2.3	0.841	bb
2 201125K1_2	1.00	1.06	NO	27.77	0.971	2.56e4	3.00e6	0.988	-1.2	0.851	dd

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-29**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.03	NO	27.77	0.971	6.64e4	3.35e6	2.31	-7.8	0.794	bd
4	201125K1_4	50.0	1.06	NO	27.77	0.971	1.45e6	2.99e6	56.4	12.7	0.971	bd
5	201125K1_5	400	1.05	NO	27.77	0.971	1.11e7	3.18e6	407	1.8	0.877	bd
6	201125K1_6	1000	1.04	NO	27.79	0.971	2.69e7	3.23e6	968	-3.2	0.833	dd

**Compound name: PCB-26**

Response Factor: 0.914637

RRF SD: 0.0705975, Relative SD: 7.71864

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.04	NO	28.00	0.979	6.41e3	2.83e6	0.247	-1.0	0.905	MM
2	201125K1_2	1.00	1.02	NO	28.00	0.979	2.71e4	3.00e6	0.987	-1.3	0.903	dd
3	201125K1_3	2.50	1.10	NO	28.00	0.979	6.93e4	3.35e6	2.26	-9.5	0.828	dd
4	201125K1_4	50.0	1.06	NO	28.00	0.979	1.55e6	2.99e6	56.6	13.3	1.04	dd
5	201125K1_5	400	1.07	NO	28.00	0.979	1.20e7	3.18e6	412	3.0	0.942	dd
6	201125K1_6	1000	1.06	NO	28.02	0.979	2.82e7	3.23e6	955	-4.5	0.874	dd

**Compound name: PCB-25**

Response Factor: 0.915347

RRF SD: 0.0710648, Relative SD: 7.7637

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.09	NO	28.17	0.984	6.18e3	2.83e6	0.238	-4.6	0.873	db
2	201125K1_2	1.00	1.07	NO	28.17	0.984	2.63e4	3.00e6	0.958	-4.2	0.877	db
3	201125K1_3	2.50	1.06	NO	28.17	0.984	7.30e4	3.35e6	2.38	-4.7	0.872	db
4	201125K1_4	50.0	1.04	NO	28.17	0.984	1.56e6	2.99e6	57.1	14.2	1.05	db
5	201125K1_5	400	1.06	NO	28.17	0.984	1.21e7	3.18e6	416	4.1	0.953	db
6	201125K1_6	1000	1.05	NO	28.18	0.984	2.82e7	3.23e6	953	-4.7	0.872	db

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-31**

Response Factor: 1.03023

RRF SD: 0.0749575, Relative SD: 7.2758

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.16	NO	28.54	0.997	7.91e3	2.83e6	0.271	8.4	1.12	bd
2	201125K1_2	1.00	1.05	NO	28.52	0.997	3.02e4	3.00e6	0.977	-2.3	1.01	bd
3	201125K1_3	2.50	1.06	NO	28.52	0.997	7.97e4	3.35e6	2.31	-7.5	0.953	bd
4	201125K1_4	50.0	1.04	NO	28.52	0.997	1.68e6	2.99e6	54.7	9.4	1.13	bd
5	201125K1_5	400	1.04	NO	28.52	0.997	1.29e7	3.18e6	395	-1.4	1.02	bd
6	201125K1_6	1000	1.05	NO	28.54	0.997	3.11e7	3.23e6	934	-6.6	0.963	bd

**Compound name: PCB-28**

Response Factor: 1.01427

RRF SD: 0.0766182, Relative SD: 7.55405

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.13	NO	28.63	1.001	6.81e3	2.83e6	0.237	-5.2	0.961	db
2	201125K1_2	1.00	1.13	NO	28.63	1.001	2.91e4	3.00e6	0.956	-4.4	0.970	db
3	201125K1_3	2.50	1.07	NO	28.63	1.001	7.95e4	3.35e6	2.34	-6.3	0.951	db
4	201125K1_4	50.0	1.07	NO	28.63	1.001	1.72e6	2.99e6	56.8	13.6	1.15	db
5	201125K1_5	400	1.06	NO	28.63	1.001	1.34e7	3.18e6	415	3.7	1.05	db
6	201125K1_6	1000	1.06	NO	28.65	1.001	3.23e7	3.23e6	987	-1.3	1.00	db

**Compound name: PCB-20/21/33**

Response Factor: 0.912707

RRF SD: 0.0632905, Relative SD: 6.93438

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.750	1.00	NO	29.26	1.023	1.88e4	2.83e6	0.728	-2.9	0.886	MM
2	201125K1_2	3.00	1.07	NO	29.26	1.023	7.86e4	3.00e6	2.87	-4.4	0.872	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-20/21/33**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	7.50	1.04	NO	29.26	1.023	2.13e5	3.35e6	6.98	-6.9	0.850	bd
4	201125K1_4	150	1.07	NO	29.26	1.023	4.60e6	2.99e6	169	12.5	1.03	bb
5	201125K1_5	1200	1.06	NO	29.26	1.023	3.58e7	3.18e6	1240	2.9	0.939	bb
6	201125K1_6	3000	1.06	NO	29.28	1.023	8.75e7	3.23e6	2970	-1.1	0.902	bb

**Compound name: PCB-22**

Response Factor: 0.947952

RRF SD: 0.0844312, Relative SD: 8.9067

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.03	NO	29.73	1.039	6.33e3	2.83e6	0.236	-5.7	0.894	MM
2	201125K1_2	1.00	1.05	NO	29.71	1.038	2.70e4	3.00e6	0.950	-5.0	0.900	bb
3	201125K1_3	2.50	1.06	NO	29.71	1.038	7.32e4	3.35e6	2.31	-7.6	0.876	bb
4	201125K1_4	50.0	1.05	NO	29.73	1.039	1.65e6	2.99e6	58.3	16.7	1.11	bb
5	201125K1_5	400	1.08	NO	29.73	1.039	1.23e7	3.18e6	407	1.7	0.964	bb
6	201125K1_6	1000	1.04	NO	29.73	1.038	3.07e7	3.23e6	1000	0.1	0.949	bb

**Compound name: PCB-36**

Response Factor: 1.06828

RRF SD: 0.101876, Relative SD: 9.53645

Response type: Internal Std ( Ref 177 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.98	NO	30.36	0.931	7.37e3	2.52e6	0.274	9.4	1.17	MM
2	201125K1_2	1.00	1.00	NO	30.36	0.932	2.72e4	2.78e6	0.917	-8.3	0.980	bb
3	201125K1_3	2.50	1.14	NO	30.36	0.932	7.59e4	3.12e6	2.28	-8.8	0.975	db
4	201125K1_4	50.0	1.08	NO	30.36	0.932	1.67e6	2.75e6	56.8	13.6	1.21	bb
5	201125K1_5	400	1.06	NO	30.36	0.932	1.27e7	2.98e6	400	-0.0	1.07	bb
6	201125K1_6	1000	1.06	NO	30.38	0.932	3.05e7	3.04e6	940	-6.0	1.00	MM

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-39**

Response Factor: 1.00329

RRF SD: 0.0918023, Relative SD: 9.15012

Response type: Internal Std ( Ref 177 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.06	NO	30.84	0.946	6.93e3	2.52e6	0.274	9.5	1.10	MM
2	201125K1_2	1.00	1.01	NO	30.84	0.946	2.66e4	2.78e6	0.953	-4.7	0.956	bb
3	201125K1_3	2.50	1.05	NO	30.83	0.946	7.13e4	3.12e6	2.28	-8.8	0.915	MM
4	201125K1_4	50.0	1.06	NO	30.84	0.946	1.57e6	2.75e6	56.7	13.5	1.14	db
5	201125K1_5	400	1.05	NO	30.84	0.946	1.14e7	2.98e6	380	-5.0	0.954	db
6	201125K1_6	1000	1.06	NO	30.86	0.946	2.91e7	3.04e6	955	-4.5	0.958	MM

**Compound name: PCB-38**

Response Factor: 1.04993

RRF SD: 0.0913836, Relative SD: 8.70375

Response type: Internal Std ( Ref 177 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.95	NO	31.65	0.970	7.04e3	2.52e6	0.266	6.4	1.12	MM
2	201125K1_2	1.00	1.02	NO	31.63	0.970	2.71e4	2.78e6	0.930	-7.0	0.977	bd
3	201125K1_3	2.50	1.07	NO	31.63	0.970	7.38e4	3.12e6	2.26	-9.7	0.948	dd
4	201125K1_4	50.0	1.06	NO	31.63	0.970	1.63e6	2.75e6	56.6	13.2	1.19	dd
5	201125K1_5	400	1.07	NO	31.63	0.970	1.27e7	2.98e6	405	1.2	1.06	dd
6	201125K1_6	1000	1.06	NO	31.65	0.970	3.06e7	3.04e6	958	-4.2	1.01	dd

**Compound name: PCB-35**

Response Factor: 1.04641

RRF SD: 0.0938332, Relative SD: 8.96714

Response type: Internal Std ( Ref 177 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.95	NO	32.19	0.987	6.40e3	2.52e6	0.243	-2.9	1.02	bb
2	201125K1_2	1.00	1.06	NO	32.17	0.987	2.74e4	2.78e6	0.941	-5.9	0.985	MM

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-35**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.07	NO	32.17	0.987	7.37e4	3.12e6	2.26	-9.6	0.946	dd
4	201125K1_4	50.0	1.07	NO	32.17	0.987	1.67e6	2.75e6	58.1	16.3	1.22	dd
5	201125K1_5	400	1.07	NO	32.17	0.987	1.27e7	2.98e6	407	1.7	1.06	dd
6	201125K1_6	1000	1.07	NO	32.19	0.987	3.20e7	3.04e6	1000	0.5	1.05	dd

**Compound name: PCB-37**

Response Factor: 1.02784

RRF SD: 0.0674641, Relative SD: 6.56366

Response type: Internal Std ( Ref 177 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.97	NO	32.63	1.001	6.86e3	2.52e6	0.265	5.9	1.09	MM
2	201125K1_2	1.00	1.04	NO	32.61	1.001	2.73e4	2.78e6	0.955	-4.5	0.981	MM
3	201125K1_3	2.50	1.10	NO	32.61	1.001	7.41e4	3.12e6	2.31	-7.5	0.951	MM
4	201125K1_4	50.0	1.07	NO	32.61	1.001	1.55e6	2.75e6	54.8	9.7	1.13	MM
5	201125K1_5	400	1.05	NO	32.61	1.001	1.22e7	2.98e6	399	-0.3	1.02	MM
6	201125K1_6	1000	1.05	NO	32.63	1.001	3.02e7	3.04e6	967	-3.3	0.994	MM

**Compound name: PCB-54**

Response Factor: 0.974277

RRF SD: 0.0842907, Relative SD: 8.65161

Response type: Internal Std ( Ref 178 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.85	NO	27.48	1.001	4.49e3	1.95e6	0.237	-5.4	0.922	MM
2	201125K1_2	1.00	0.76	NO	27.48	1.001	2.00e4	2.18e6	0.940	-6.0	0.916	bb
3	201125K1_3	2.50	0.81	NO	27.48	1.001	5.48e4	2.44e6	2.31	-7.7	0.900	bb
4	201125K1_4	50.0	0.79	NO	27.48	1.001	1.22e6	2.18e6	57.6	15.2	1.12	bb
5	201125K1_5	400	0.77	NO	27.48	1.001	9.36e6	2.30e6	418	4.5	1.02	bb
6	201125K1_6	1000	0.77	NO	27.50	1.001	2.24e7	2.31e6	994	-0.6	0.968	bb



Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-50**  
 Response Factor: 0.802752  
 RRF SD: 0.0636496, Relative SD: 7.92893  
 Response type: Internal Std ( Ref 178 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.71	NO	28.69	1.045	4.05e3	1.95e6	0.259	3.6	0.831	MM
2	201125K1_2	1.00	0.78	NO	28.69	1.045	1.61e4	2.18e6	0.918	-8.2	0.737	bb
3	201125K1_3	2.50	0.77	NO	28.69	1.045	4.44e4	2.44e6	2.27	-9.2	0.729	bb
4	201125K1_4	50.0	0.80	NO	28.69	1.045	9.76e5	2.18e6	55.9	11.8	0.897	bb
5	201125K1_5	400	0.77	NO	28.69	1.045	7.62e6	2.30e6	413	3.2	0.829	bb
6	201125K1_6	1000	0.77	NO	28.70	1.045	1.83e7	2.31e6	988	-1.2	0.793	bb

**Compound name: PCB-53**  
 Response Factor: 0.93894  
 RRF SD: 0.0903246, Relative SD: 9.61985  
 Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.85	NO	29.36	0.944	4.07e3	1.56e6	0.278	11.2	1.04	MM
2	201125K1_2	1.00	0.82	NO	29.34	0.943	1.48e4	1.74e6	0.907	-9.3	0.852	MM
3	201125K1_3	2.50	0.78	NO	29.34	0.943	4.17e4	1.97e6	2.26	-9.6	0.849	bb
4	201125K1_4	50.0	0.78	NO	29.34	0.943	9.16e5	1.75e6	55.6	11.3	1.04	bb
5	201125K1_5	400	0.80	NO	29.34	0.943	6.96e6	1.82e6	407	1.8	0.955	bb
6	201125K1_6	1000	0.79	NO	29.36	0.943	1.65e7	1.86e6	947	-5.3	0.889	bb

**Compound name: PCB-51**  
 Response Factor: 0.999549  
 RRF SD: 0.0848786, Relative SD: 8.49169  
 Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.75	NO	29.69	0.955	4.20e3	1.56e6	0.269	7.6	1.08	MM
2	201125K1_2	1.00	0.78	NO	29.69	0.955	1.62e4	1.74e6	0.928	-7.2	0.928	MM

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**Compound name: PCB-51**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	0.77	NO	29.69	0.955	4.36e4	1.97e6	2.22	-11.4	0.886	bb
4	201125K1_4	50.0	0.78	NO	29.69	0.955	9.69e5	1.75e6	55.3	10.5	1.10	bb
5	201125K1_5	400	0.78	NO	29.69	0.955	7.47e6	1.82e6	410	2.5	1.02	bb
6	201125K1_6	1000	0.78	NO	29.71	0.955	1.82e7	1.86e6	978	-2.2	0.978	bb

**Compound name: PCB-45**

Response Factor: 0.802487

RRF SD: 0.0695256, Relative SD: 8.66376

Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.81	NO	30.14	0.969	3.46e3	1.56e6	0.276	10.6	0.887	MM
2	201125K1_2	1.00	0.75	NO	30.14	0.969	1.29e4	1.74e6	0.921	-7.9	0.739	bb
3	201125K1_3	2.50	0.81	NO	30.14	0.969	3.61e4	1.97e6	2.28	-8.6	0.733	bb
4	201125K1_4	50.0	0.77	NO	30.14	0.969	7.69e5	1.75e6	54.7	9.3	0.877	bb
5	201125K1_5	400	0.76	NO	30.14	0.969	5.99e6	1.82e6	410	2.4	0.822	bb
6	201125K1_6	1000	0.79	NO	30.16	0.969	1.40e7	1.86e6	941	-5.9	0.756	bb

**Compound name: PCB-46**

Response Factor: 0.770392

RRF SD: 0.0738096, Relative SD: 9.58079

Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.78	NO	30.64	0.985	3.31e3	1.56e6	0.275	10.1	0.848	MM
2	201125K1_2	1.00	0.75	NO	30.64	0.985	1.27e4	1.74e6	0.946	-5.4	0.729	MM
3	201125K1_3	2.50	0.78	NO	30.64	0.985	3.29e4	1.97e6	2.17	-13.2	0.669	bb
4	201125K1_4	50.0	0.78	NO	30.64	0.985	7.53e5	1.75e6	55.7	11.4	0.858	bb
5	201125K1_5	400	0.78	NO	30.64	0.985	5.70e6	1.82e6	406	1.6	0.783	bb
6	201125K1_6	1000	0.77	NO	30.66	0.985	1.37e7	1.86e6	955	-4.5	0.735	bb

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**Compound name: PCB-52/69**

Response Factor: 1.08217  
 RRF SD: 0.0751398, Relative SD: 6.94345  
 Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	0.82	NO	31.14	1.001	8.74e3	1.56e6	0.517	3.5	1.12	MM
2	201125K1_2	2.00	0.77	NO	31.14	1.001	3.59e4	1.74e6	1.90	-4.8	1.03	bd
3	201125K1_3	5.00	0.77	NO	31.14	1.001	9.65e4	1.97e6	4.53	-9.4	0.981	MM
4	201125K1_4	100	0.78	NO	31.14	1.001	2.10e6	1.75e6	110	10.4	1.19	bd
5	201125K1_5	800	0.77	NO	31.14	1.001	1.62e7	1.82e6	820	2.5	1.11	bd
6	201125K1_6	2000	0.78	NO	31.16	1.001	3.93e7	1.86e6	1960	-2.2	1.06	bd

**Compound name: PCB-73**

Response Factor: 1.30624  
 RRF SD: 0.124391, Relative SD: 9.52281  
 Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.78	NO	31.25	1.005	4.63e3	1.56e6	0.227	-9.2	1.19	dd
2	201125K1_2	1.00	0.76	NO	31.25	1.005	2.17e4	1.74e6	0.953	-4.7	1.25	dd
3	201125K1_3	2.50	0.80	NO	31.25	1.005	5.88e4	1.97e6	2.29	-8.5	1.20	MM
4	201125K1_4	50.0	0.80	NO	31.25	1.005	1.31e6	1.75e6	57.2	14.4	1.49	dd
5	201125K1_5	400	0.79	NO	31.25	1.005	1.03e7	1.82e6	433	8.2	1.41	dd
6	201125K1_6	1000	0.79	NO	31.27	1.005	2.42e7	1.86e6	998	-0.2	1.30	dd

**Compound name: PCB-43/49**

Response Factor: 0.92501  
 RRF SD: 0.0735753, Relative SD: 7.954  
 Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	0.76	NO	31.44	1.011	6.95e3	1.56e6	0.482	-3.7	0.891	MM
2	201125K1_2	2.00	0.74	NO	31.42	1.010	3.02e4	1.74e6	1.87	-6.3	0.866	db

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**Compound name: PCB-43/49**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	5.00	0.76	NO	31.42	1.010	8.32e4	1.97e6	4.58	-8.5	0.846	MM
4	201125K1_4	100	0.77	NO	31.42	1.010	1.83e6	1.75e6	113	13.1	1.05	dd
5	201125K1_5	800	0.78	NO	31.42	1.010	1.41e7	1.82e6	835	4.3	0.965	dd
6	201125K1_6	2000	0.78	NO	31.44	1.010	3.47e7	1.86e6	2020	1.1	0.935	dd

**Compound name: PCB-47**

Response Factor: 0.862534

RRF SD: 0.0683092, Relative SD: 7.9196

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.80	NO	31.65	1.001	3.88e3	1.64e6	0.275	9.9	0.948	dd
2	201125K1_2	1.00	0.80	NO	31.65	1.001	1.50e4	1.86e6	0.935	-6.5	0.807	bd
3	201125K1_3	2.50	0.75	NO	31.65	1.001	4.02e4	2.04e6	2.29	-8.4	0.790	MM
4	201125K1_4	50.0	0.77	NO	31.65	1.001	8.72e5	1.85e6	54.6	9.2	0.942	dd
5	201125K1_5	400	0.78	NO	31.65	1.001	6.71e6	1.94e6	400	0.0	0.863	dd
6	201125K1_6	1000	0.77	NO	31.66	1.001	1.66e7	2.01e6	958	-4.2	0.826	dd

**Compound name: PCB-48/75**

Response Factor: 1.03767

RRF SD: 0.0827847, Relative SD: 7.97792

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	0.88	NO	31.76	1.004	8.36e3	1.64e6	0.492	-1.7	1.02	MM
2	201125K1_2	2.00	0.74	NO	31.76	1.005	3.56e4	1.86e6	1.84	-7.8	0.957	db
3	201125K1_3	5.00	0.77	NO	31.76	1.005	9.84e4	2.04e6	4.66	-6.9	0.966	MM
4	201125K1_4	100	0.80	NO	31.76	1.004	2.17e6	1.85e6	113	13.1	1.17	db
5	201125K1_5	800	0.77	NO	31.76	1.004	1.70e7	1.94e6	845	5.6	1.10	db
6	201125K1_6	2000	0.78	NO	31.77	1.004	4.08e7	2.01e6	1950	-2.3	1.01	db

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**Compound name: PCB-65**

Response Factor: 1.15918

RRF SD: 0.10847, Relative SD: 9.35746

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.85	NO	32.04	1.013	4.44e3	1.64e6	0.234	-6.4	1.09	MM
2	201125K1_2	1.00	0.80	NO	32.04	1.013	1.91e4	1.86e6	0.888	-11.2	1.03	bd
3	201125K1_3	2.50	0.79	NO	32.04	1.013	5.79e4	2.04e6	2.45	-1.9	1.14	bd
4	201125K1_4	50.0	0.77	NO	32.04	1.013	1.24e6	1.85e6	57.6	15.2	1.34	bd
5	201125K1_5	400	0.78	NO	32.04	1.013	9.55e6	1.94e6	424	5.9	1.23	bd
6	201125K1_6	1000	0.78	NO	32.06	1.013	2.30e7	2.01e6	984	-1.6	1.14	bd

**Compound name: PCB-62**

Response Factor: 1.03709

RRF SD: 0.0647308, Relative SD: 6.24158

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.72	NO	32.15	1.016	4.29e3	1.64e6	0.252	0.9	1.05	dd
2	201125K1_2	1.00	0.84	NO	32.13	1.016	1.90e4	1.86e6	0.988	-1.2	1.02	dd
3	201125K1_3	2.50	0.80	NO	32.13	1.016	4.78e4	2.04e6	2.26	-9.5	0.939	dd
4	201125K1_4	50.0	0.79	NO	32.13	1.016	1.05e6	1.85e6	54.8	9.6	1.14	dd
5	201125K1_5	400	0.79	NO	32.13	1.016	8.25e6	1.94e6	409	2.3	1.06	dd
6	201125K1_6	1000	0.80	NO	32.15	1.016	2.04e7	2.01e6	979	-2.1	1.02	dd

**Compound name: PCB-44**

Response Factor: 0.757467

RRF SD: 0.0587482, Relative SD: 7.75587

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.85	NO	32.46	1.026	2.95e3	1.64e6	0.237	-5.0	0.720	db
2	201125K1_2	1.00	0.70	NO	32.44	1.026	1.34e4	1.86e6	0.950	-5.0	0.719	db

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**Compound name: PCB-44**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	0.76	NO	32.46	1.027	3.65e4	2.04e6	2.37	-5.2	0.718	dd
4	201125K1_4	50.0	0.79	NO	32.46	1.026	7.99e5	1.85e6	56.9	13.9	0.862	db
5	201125K1_5	400	0.77	NO	32.46	1.026	6.16e6	1.94e6	418	4.6	0.792	dd
6	201125K1_6	1000	0.78	NO	32.48	1.026	1.48e7	2.01e6	968	-3.2	0.734	db

**Compound name: PCB-42/59**

Response Factor: 0.974528

RRF SD: 0.0727972, Relative SD: 7.47

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	0.87	NO	32.69	1.033	8.24e3	1.64e6	0.516	3.2	1.01	MM
2	201125K1_2	2.00	0.84	NO	32.69	1.034	3.33e4	1.86e6	1.84	-8.1	0.895	bb
3	201125K1_3	5.00	0.80	NO	32.69	1.034	9.12e4	2.04e6	4.59	-8.1	0.895	db
4	201125K1_4	100	0.79	NO	32.69	1.033	2.01e6	1.85e6	111	11.0	1.08	bb
5	201125K1_5	800	0.79	NO	32.69	1.033	1.57e7	1.94e6	828	3.5	1.01	db
6	201125K1_6	2000	0.78	NO	32.71	1.033	3.86e7	2.01e6	1970	-1.6	0.959	bb

**Compound name: PCB-41/64/71/72**

Response Factor: 1.11589

RRF SD: 0.0820734, Relative SD: 7.35496

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	1.00	0.73	NO	33.30	1.053	1.80e4	1.64e6	0.982	-1.8	1.10	MM
2	201125K1_2	4.00	0.78	NO	33.30	1.054	7.61e4	1.86e6	3.67	-8.2	1.02	bb
3	201125K1_3	10.0	0.77	NO	33.28	1.053	2.11e5	2.04e6	9.30	-7.0	1.04	bb
4	201125K1_4	200	0.78	NO	33.30	1.053	4.61e6	1.85e6	223	11.6	1.24	bd
5	201125K1_5	1600	0.78	NO	33.30	1.053	3.61e7	1.94e6	1660	3.9	1.16	bd
6	201125K1_6	4000	0.78	NO	33.32	1.053	9.11e7	2.01e6	4060	1.4	1.13	bd

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-68**

Response Factor: 1.18895

RRF SD: 0.0928011, Relative SD: 7.8053

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.70	NO	33.58	1.062	5.12e3	1.64e6	0.263	5.1	1.25	MM
2	201125K1_2	1.00	0.78	NO	33.56	1.062	2.02e4	1.86e6	0.912	-8.8	1.08	bd
3	201125K1_3	2.50	0.78	NO	33.56	1.062	5.60e4	2.04e6	2.31	-7.4	1.10	bd
4	201125K1_4	50.0	0.78	NO	33.56	1.061	1.23e6	1.85e6	55.7	11.4	1.32	dd
5	201125K1_5	400	0.78	NO	33.56	1.061	9.49e6	1.94e6	411	2.7	1.22	dd
6	201125K1_6	1000	0.78	NO	33.58	1.061	2.32e7	2.01e6	970	-3.0	1.15	dd

**Compound name: PCB-40**

Response Factor: 0.572307

RRF SD: 0.0447579, Relative SD: 7.82062

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.71	NO	33.78	1.068	2.34e3	1.64e6	0.250	-0.2	0.571	MM
2	201125K1_2	1.00	0.82	NO	33.78	1.069	9.83e3	1.86e6	0.924	-7.6	0.529	db
3	201125K1_3	2.50	0.77	NO	33.78	1.069	2.76e4	2.04e6	2.37	-5.2	0.542	db
4	201125K1_4	50.0	0.79	NO	33.78	1.068	6.01e5	1.85e6	56.7	13.4	0.649	db
5	201125K1_5	400	0.78	NO	33.78	1.068	4.65e6	1.94e6	418	4.4	0.597	db
6	201125K1_6	1000	0.78	NO	33.80	1.068	1.10e7	2.01e6	952	-4.8	0.545	db

**Compound name: PCB-57**

Response Factor: 1.07671

RRF SD: 0.0807466, Relative SD: 7.49937

Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.74	NO	34.16	0.969	5.32e3	1.92e6	0.257	2.9	1.11	MM
2	201125K1_2	1.00	0.73	NO	34.16	0.969	2.21e4	2.14e6	0.957	-4.3	1.03	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-57**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	0.79	NO	34.16	0.969	5.93e4	2.43e6	2.27	-9.2	0.977	bb
4	201125K1_4	50.0	0.77	NO	34.16	0.969	1.30e6	2.17e6	55.7	11.5	1.20	bb
5	201125K1_5	400	0.77	NO	34.16	0.969	1.03e7	2.30e6	415	3.8	1.12	bb
6	201125K1_6	1000	0.77	NO	34.18	0.969	2.48e7	2.41e6	954	-4.6	1.03	bb

**Compound name: PCB-67**

Response Factor: 1.01626  
 RRF SD: 0.100941, Relative SD: 9.93264  
 Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.71	NO	34.49	0.978	5.42e3	1.92e6	0.278	11.1	1.13	MM
2	201125K1_2	1.00	0.73	NO	34.47	0.978	2.03e4	2.14e6	0.932	-6.8	0.947	bd
3	201125K1_3	2.50	0.78	NO	34.47	0.978	5.39e4	2.43e6	2.18	-12.6	0.888	bd
4	201125K1_4	50.0	0.77	NO	34.47	0.978	1.23e6	2.17e6	55.7	11.3	1.13	bd
5	201125K1_5	400	0.77	NO	34.47	0.978	9.56e6	2.30e6	410	2.4	1.04	bd
6	201125K1_6	1000	0.77	NO	34.49	0.978	2.32e7	2.41e6	946	-5.4	0.962	bd

**Compound name: PCB-58**

Response Factor: 1.08194  
 RRF SD: 0.0888466, Relative SD: 8.21182  
 Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.69	NO	34.60	0.982	5.19e3	1.92e6	0.250	0.1	1.08	MM
2	201125K1_2	1.00	0.75	NO	34.58	0.982	2.18e4	2.14e6	0.940	-6.0	1.02	dd
3	201125K1_3	2.50	0.77	NO	34.58	0.982	5.94e4	2.43e6	2.26	-9.6	0.978	dd
4	201125K1_4	50.0	0.78	NO	34.58	0.982	1.34e6	2.17e6	56.9	13.8	1.23	dd
5	201125K1_5	400	0.79	NO	34.58	0.981	1.03e7	2.30e6	415	3.7	1.12	dd
6	201125K1_6	1000	0.78	NO	34.60	0.982	2.56e7	2.41e6	980	-2.0	1.06	dd



Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-63**

Response Factor: 0.970856

RRF SD: 0.0885327, Relative SD: 9.11904

Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	0.250	0.76	NO	34.75	0.986	4.87e3	1.92e6	0.261	4.6	1.02	db
2 201125K1_2	1.00	0.75	NO	34.75	0.986	1.98e4	2.14e6	0.950	-5.0	0.922	db
3 201125K1_3	2.50	0.79	NO	34.75	0.986	5.20e4	2.43e6	2.21	-11.7	0.857	db
4 201125K1_4	50.0	0.76	NO	34.75	0.986	1.20e6	2.17e6	57.0	14.1	1.11	db
5 201125K1_5	400	0.78	NO	34.75	0.986	9.20e6	2.30e6	412	3.1	1.00	db
6 201125K1_6	1000	0.78	NO	34.77	0.986	2.23e7	2.41e6	950	-5.0	0.922	db

**Compound name: PCB-74**

Response Factor: 1.08748

RRF SD: 0.0961944, Relative SD: 8.84564

Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	0.250	0.85	NO	35.05	0.994	5.11e3	1.92e6	0.245	-2.0	1.07	MM
2 201125K1_2	1.00	0.81	NO	35.05	0.995	2.18e4	2.14e6	0.935	-6.5	1.02	bd
3 201125K1_3	2.50	0.78	NO	35.05	0.995	5.97e4	2.43e6	2.26	-9.5	0.984	bd
4 201125K1_4	50.0	0.77	NO	35.05	0.995	1.36e6	2.17e6	57.6	15.3	1.25	bd
5 201125K1_5	400	0.78	NO	35.05	0.994	1.04e7	2.30e6	417	4.3	1.13	bd
6 201125K1_6	1000	0.78	NO	35.07	0.995	2.58e7	2.41e6	985	-1.5	1.07	bd

**Compound name: PCB-61/70**

Response Factor: 0.978165

RRF SD: 0.0892127, Relative SD: 9.12042

Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	0.500	0.69	NO	35.20	0.998	9.93e3	1.92e6	0.529	5.8	1.04	MM
2 201125K1_2	2.00	0.75	NO	35.18	0.998	3.94e4	2.14e6	1.88	-6.1	0.918	MM

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-61/70**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	5.00	0.81	NO	35.27	1.001	1.05e5	2.43e6	4.44	-11.2	0.869	MM
4	201125K1_4	100	0.77	NO	35.18	0.998	2.42e6	2.17e6	114	13.8	1.11	MM
5	201125K1_5	800	0.78	NO	35.18	0.998	1.84e7	2.30e6	820	2.5	1.00	MM
6	201125K1_6	2000	0.78	NO	35.20	0.998	4.49e7	2.41e6	1900	-4.8	0.931	MM

**Compound name: PCB-76/66**

Response Factor: 1.0712

RRF SD: 0.0824387, Relative SD: 7.69588

Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	0.75	NO	35.44	1.005	1.05e4	1.92e6	0.510	2.0	1.09	MM
2	201125K1_2	2.00	0.76	NO	35.46	1.006	4.30e4	2.14e6	1.87	-6.4	1.00	MM
3	201125K1_3	5.00	0.77	NO	35.44	1.006	1.17e5	2.43e6	4.50	-9.9	0.965	dd
4	201125K1_4	100	0.77	NO	35.46	1.006	2.60e6	2.17e6	112	11.6	1.20	MM
5	201125K1_5	800	0.77	NO	35.46	1.006	2.05e7	2.30e6	832	4.0	1.11	MM
6	201125K1_6	2000	0.77	NO	35.48	1.006	5.10e7	2.41e6	1970	-1.3	1.06	MM

**Compound name: PCB-80**

Response Factor: 1.07762

RRF SD: 0.0838862, Relative SD: 7.78439

Response type: Internal Std ( Ref 182 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.82	NO	35.70	1.000	5.30e3	1.97e6	0.249	-0.3	1.07	MM
2	201125K1_2	1.00	0.76	NO	35.70	1.000	2.20e4	2.19e6	0.932	-6.8	1.00	MM
3	201125K1_3	2.50	0.80	NO	35.70	1.000	6.10e4	2.43e6	2.33	-7.0	1.00	MM
4	201125K1_4	50.0	0.78	NO	35.70	1.000	1.38e6	2.26e6	56.9	13.8	1.23	db
5	201125K1_5	400	0.78	NO	35.70	1.000	1.07e7	2.42e6	412	3.1	1.11	db
6	201125K1_6	1000	0.80	NO	35.72	1.000	2.67e7	2.55e6	972	-2.8	1.05	db

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-55**

Response Factor: 1.06473

RRF SD: 0.0834193, Relative SD: 7.83478

Response type: Internal Std ( Ref 182 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.82	NO	36.04	1.010	5.28e3	1.97e6	0.251	0.4	1.07	MM
2	201125K1_2	1.00	0.79	NO	36.04	1.010	2.16e4	2.19e6	0.924	-7.6	0.984	MM
3	201125K1_3	2.50	0.80	NO	36.02	1.009	5.92e4	2.43e6	2.29	-8.6	0.973	MM
4	201125K1_4	50.0	0.78	NO	36.04	1.010	1.36e6	2.26e6	56.5	13.1	1.20	MM
5	201125K1_5	400	0.78	NO	36.04	1.010	1.04e7	2.42e6	405	1.3	1.08	MM
6	201125K1_6	1000	0.78	NO	36.06	1.010	2.76e7	2.55e6	1010	1.4	1.08	MM

**Compound name: PCB-56/60**

Response Factor: 0.945707

RRF SD: 0.0684457, Relative SD: 7.23752

Response type: Internal Std ( Ref 182 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	0.75	NO	36.54	1.024	9.76e3	1.97e6	0.523	4.5	0.989	bb
2	201125K1_2	2.00	0.76	NO	36.54	1.024	3.91e4	2.19e6	1.88	-5.9	0.890	bb
3	201125K1_3	5.00	0.76	NO	36.54	1.024	1.07e5	2.43e6	4.64	-7.2	0.878	bd
4	201125K1_4	100	0.78	NO	36.54	1.024	2.38e6	2.26e6	111	11.3	1.05	bb
5	201125K1_5	800	0.78	NO	36.54	1.024	1.87e7	2.42e6	817	2.1	0.966	bb
6	201125K1_6	2000	0.80	NO	36.56	1.024	4.60e7	2.55e6	1900	-4.8	0.900	bb

**Compound name: PCB-79**

Response Factor: 1.05897

RRF SD: 0.0801989, Relative SD: 7.57328

Response type: Internal Std ( Ref 182 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.79	NO	37.66	1.055	5.52e3	1.97e6	0.264	5.7	1.12	MM
2	201125K1_2	1.00	0.79	NO	37.64	1.055	2.18e4	2.19e6	0.939	-6.1	0.994	MM

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**Compound name: PCB-79**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	0.78	NO	37.64	1.055	5.81e4	2.43e6	2.26	-9.8	0.955	bb
4	201125K1_4	50.0	0.78	NO	37.64	1.055	1.32e6	2.26e6	55.2	10.3	1.17	bb
5	201125K1_5	400	0.78	NO	37.64	1.055	1.05e7	2.42e6	410	2.6	1.09	bb
6	201125K1_6	1000	0.79	NO	37.66	1.055	2.63e7	2.55e6	973	-2.7	1.03	bb

**Compound name: PCB-78**

Response Factor: 1.00588

RRF SD: 0.0890395, Relative SD: 8.85189

Response type: Internal Std ( Ref 183 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.85	NO	38.36	0.987	4.66e3	1.93e6	0.240	-3.9	0.967	MM
2	201125K1_2	1.00	0.80	NO	38.36	0.987	2.02e4	2.18e6	0.921	-7.9	0.926	MM
3	201125K1_3	2.50	0.74	NO	38.36	0.987	5.55e4	2.37e6	2.33	-7.0	0.936	MM
4	201125K1_4	50.0	0.77	NO	38.36	0.987	1.25e6	2.18e6	57.0	14.0	1.15	MM
5	201125K1_5	400	0.77	NO	38.36	0.987	1.01e7	2.34e6	431	7.7	1.08	MM
6	201125K1_6	1000	0.79	NO	38.38	0.987	2.51e7	2.57e6	970	-3.0	0.976	MM

**Compound name: PCB-81**

Response Factor: 0.94055

RRF SD: 0.0858476, Relative SD: 9.12738

Response type: Internal Std ( Ref 183 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.70	NO	38.90	1.000	4.88e3	1.93e6	0.269	7.7	1.01	MM
2	201125K1_2	1.00	0.76	NO	38.90	1.000	1.88e4	2.18e6	0.918	-8.2	0.863	MM
3	201125K1_3	2.50	0.81	NO	38.90	1.000	5.02e4	2.37e6	2.25	-10.1	0.846	MM
4	201125K1_4	50.0	0.77	NO	38.90	1.000	1.15e6	2.18e6	56.1	12.3	1.06	MM
5	201125K1_5	400	0.79	NO	38.90	1.000	9.09e6	2.34e6	413	3.3	0.972	MM
6	201125K1_6	1000	0.77	NO	38.92	1.000	2.30e7	2.57e6	949	-5.1	0.893	MM

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**Compound name: PCB-77**

Response Factor: 1.02971

RRF SD: 0.0894494, Relative SD: 8.68688

Response type: Internal Std ( Ref 184 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.81	NO	39.52	1.000	5.10e3	1.87e6	0.265	5.8	1.09	MM
2	201125K1_2	1.00	0.74	NO	39.52	1.000	1.97e4	2.12e6	0.902	-9.8	0.929	MM
3	201125K1_3	2.50	0.81	NO	39.52	1.000	5.54e4	2.33e6	2.31	-7.4	0.953	MM
4	201125K1_4	50.0	0.78	NO	39.52	1.000	1.21e6	2.09e6	56.3	12.7	1.16	MM
5	201125K1_5	400	0.79	NO	39.52	1.000	1.00e7	2.36e6	413	3.3	1.06	MM
6	201125K1_6	1000	0.79	NO	39.53	1.000	2.53e7	2.58e6	954	-4.6	0.983	MM

**Compound name: PCB-104**

Response Factor: 0.981656

RRF SD: 0.0861108, Relative SD: 8.772

Response type: Internal Std ( Ref 185 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.60	NO	32.31	1.001	4.14e3	1.54e6	0.273	9.2	1.07	MM
2	201125K1_2	1.00	1.52	NO	32.31	1.001	1.62e4	1.79e6	0.922	-7.8	0.905	bd
3	201125K1_3	2.50	1.50	NO	32.31	1.001	4.34e4	1.98e6	2.23	-10.7	0.877	bb
4	201125K1_4	50.0	1.60	NO	32.31	1.001	9.78e5	1.80e6	55.2	10.5	1.08	bb
5	201125K1_5	400	1.55	NO	32.31	1.001	7.50e6	1.87e6	409	2.2	1.00	bb
6	201125K1_6	1000	1.57	NO	32.33	1.001	1.79e7	1.89e6	966	-3.4	0.948	bb

**Compound name: PCB-96**

Response Factor: 0.982431

RRF SD: 0.0844096, Relative SD: 8.59191

Response type: Internal Std ( Ref 185 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.59	NO	33.62	1.041	3.98e3	1.54e6	0.262	5.0	1.03	MM
2	201125K1_2	1.00	1.60	NO	33.62	1.041	1.60e4	1.79e6	0.914	-8.6	0.898	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-96**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.55	NO	33.60	1.041	4.38e4	1.98e6	2.25	-9.9	0.885	bb
4	201125K1_4	50.0	1.57	NO	33.62	1.041	9.84e5	1.80e6	55.5	11.1	1.09	bb
5	201125K1_5	400	1.59	NO	33.62	1.041	7.78e6	1.87e6	424	6.0	1.04	bb
6	201125K1_6	1000	1.57	NO	33.62	1.040	1.79e7	1.89e6	965	-3.5	0.948	bb

**Compound name: PCB-103**

Response Factor: 0.769563  
 RRF SD: 0.0649093, Relative SD: 8.43457  
 Response type: Internal Std ( Ref 185 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.65	NO	34.18	1.058	2.90e3	1.54e6	0.244	-2.3	0.752	db
2	201125K1_2	1.00	1.41	NO	34.18	1.058	1.27e4	1.79e6	0.923	-7.7	0.711	MM
3	201125K1_3	2.50	1.54	NO	34.18	1.059	3.44e4	1.98e6	2.26	-9.5	0.696	bb
4	201125K1_4	50.0	1.56	NO	34.18	1.058	7.78e5	1.80e6	56.1	12.2	0.863	bb
5	201125K1_5	400	1.58	NO	34.18	1.058	6.17e6	1.87e6	429	7.2	0.825	bb
6	201125K1_6	1000	1.59	NO	34.19	1.058	1.45e7	1.89e6	1000	0.1	0.770	bb

**Compound name: PCB-100**

Response Factor: 0.804703  
 RRF SD: 0.0579279, Relative SD: 7.19867  
 Response type: Internal Std ( Ref 185 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.55	NO	34.55	1.070	3.21e3	1.54e6	0.258	3.4	0.832	MM
2	201125K1_2	1.00	1.55	NO	34.53	1.069	1.35e4	1.79e6	0.939	-6.1	0.756	MM
3	201125K1_3	2.50	1.57	NO	34.53	1.070	3.56e4	1.98e6	2.24	-10.5	0.720	bb
4	201125K1_4	50.0	1.59	NO	34.53	1.069	7.93e5	1.80e6	54.7	9.4	0.880	bb
5	201125K1_5	400	1.59	NO	34.53	1.069	6.23e6	1.87e6	415	3.6	0.834	bb
6	201125K1_6	1000	1.58	NO	34.55	1.069	1.52e7	1.89e6	1000	0.2	0.806	bb



Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-94**

Response Factor: 0.830636

RRF SD: 0.0720654, Relative SD: 8.67592

Response type: Internal Std ( Ref 186 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.40	NO	35.03	0.985	2.67e3	1.18e6	0.272	8.7	0.903	MM
2	201125K1_2	1.00	1.68	NO	35.03	0.985	9.99e3	1.35e6	0.888	-11.2	0.738	MM
3	201125K1_3	2.50	1.54	NO	35.03	0.985	2.95e4	1.50e6	2.37	-5.0	0.789	bb
4	201125K1_4	50.0	1.58	NO	35.03	0.985	6.40e5	1.39e6	55.6	11.3	0.924	bb
5	201125K1_5	400	1.55	NO	35.03	0.985	5.01e6	1.49e6	405	1.1	0.840	bb
6	201125K1_6	1000	1.57	NO	35.05	0.985	1.22e7	1.54e6	952	-4.8	0.791	bb

**Compound name: PCB-95/98/102**

Response Factor: 1.07078

RRF SD: 0.0804709, Relative SD: 7.51519

Response type: Internal Std ( Ref 186 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.750	1.50	NO	35.52	0.999	9.93e3	1.18e6	0.783	4.4	1.12	MM
2	201125K1_2	3.00	1.61	NO	35.52	0.999	4.05e4	1.35e6	2.79	-6.8	0.997	bd
3	201125K1_3	7.50	1.64	NO	35.52	0.999	1.10e5	1.50e6	6.86	-8.5	0.980	bd
4	201125K1_4	150	1.57	NO	35.50	0.998	2.49e6	1.39e6	168	11.7	1.20	bd
5	201125K1_5	1200	1.58	NO	35.52	0.999	1.94e7	1.49e6	1220	1.5	1.09	bd
6	201125K1_6	3000	1.58	NO	35.53	0.999	4.85e7	1.54e6	2930	-2.3	1.05	bd

**Compound name: PCB-93**

Response Factor: 0.761484

RRF SD: 0.103741, Relative SD: 13.6236

Response type: Internal Std ( Ref 186 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.71	NO	35.67	1.003	2.72e3	1.18e6	0.302	20.7	0.919	MM
2	201125K1_2	1.00	1.68	NO	35.65	1.003	9.33e3	1.35e6	0.904	-9.6	0.689	dd

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**Compound name: PCB-93**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.71	NO	35.65	1.003	2.42e4	1.50e6	2.13	-15.0	0.648	db
4	201125K1_4	50.0	1.56	NO	35.65	1.003	5.86e5	1.39e6	55.5	11.0	0.845	db
5	201125K1_5	400	1.59	NO	35.65	1.003	4.58e6	1.49e6	403	0.9	0.768	db
6	201125K1_6	1000	1.61	NO	35.67	1.003	1.08e7	1.54e6	920	-8.0	0.701	db

**Compound name: PCB-88/91**

Response Factor: 0.910276  
 RRF SD: 0.0986818, Relative SD: 10.8409  
 Response type: Internal Std ( Ref 186 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.69	NO	35.98	1.012	5.32e3	1.18e6	0.493	-1.4	0.898	MM
2	201125K1_2	2.00	1.54	NO	35.98	1.012	2.46e4	1.35e6	2.00	-0.1	0.909	MM
3	201125K1_3	5.00	1.61	NO	35.98	1.012	5.92e4	1.50e6	4.34	-13.1	0.791	bd
4	201125K1_4	100	1.57	NO	35.98	1.012	1.47e6	1.39e6	117	16.8	1.06	bd
5	201125K1_5	800	1.57	NO	35.98	1.012	1.16e7	1.49e6	855	6.9	0.973	bd
6	201125K1_6	2000	1.57	NO	36.00	1.012	2.56e7	1.54e6	1820	-9.1	0.827	bd

**Compound name: PCB-121**

Response Factor: 1.46478  
 RRF SD: 0.109039, Relative SD: 7.44404  
 Response type: Internal Std ( Ref 186 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.66	NO	36.09	1.015	4.63e3	1.18e6	0.267	6.8	1.56	MM
2	201125K1_2	1.00	1.62	NO	36.07	1.015	1.74e4	1.35e6	0.876	-12.4	1.28	db
3	201125K1_3	2.50	1.63	NO	36.07	1.015	5.30e4	1.50e6	2.42	-3.2	1.42	db
4	201125K1_4	50.0	1.59	NO	36.07	1.015	1.07e6	1.39e6	52.9	5.8	1.55	db
5	201125K1_5	400	1.61	NO	36.07	1.015	8.53e6	1.49e6	391	-2.2	1.43	db
6	201125K1_6	1000	1.60	NO	36.09	1.015	2.38e7	1.54e6	1050	5.2	1.54	db



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**Compound name: PCB-84/92**

Response Factor: 0.825802

RRF SD: 0.0835649, Relative SD: 10.1192

Response type: Internal Std ( Ref 187 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.62	NO	36.93	0.990	5.87e3	1.26e6	0.562	12.5	0.929	MM
2	201125K1_2	2.00	1.54	NO	36.93	0.990	2.16e4	1.46e6	1.79	-10.4	0.740	bd
3	201125K1_3	5.00	1.68	NO	36.93	0.990	5.89e4	1.59e6	4.49	-10.1	0.742	MM
4	201125K1_4	100	1.59	NO	36.93	0.990	1.33e6	1.46e6	111	10.7	0.914	bd
5	201125K1_5	800	1.56	NO	36.93	0.990	1.08e7	1.59e6	819	2.4	0.846	bd
6	201125K1_6	2000	1.61	NO	36.95	0.990	2.64e7	1.69e6	1900	-5.0	0.784	bd

**Compound name: PCB-89**

Response Factor: 0.885177

RRF SD: 0.0835355, Relative SD: 9.43716

Response type: Internal Std ( Ref 187 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.46	NO	37.12	0.995	2.96e3	1.26e6	0.264	5.8	0.936	MM
2	201125K1_2	1.00	1.60	NO	37.12	0.995	1.19e4	1.46e6	0.921	-7.9	0.816	dd
3	201125K1_3	2.50	1.62	NO	37.12	0.995	3.20e4	1.59e6	2.28	-8.8	0.807	MM
4	201125K1_4	50.0	1.57	NO	37.12	0.995	7.42e5	1.46e6	57.5	15.0	1.02	dd
5	201125K1_5	400	1.57	NO	37.12	0.995	5.76e6	1.59e6	409	2.2	0.905	dd
6	201125K1_6	1000	1.59	NO	37.13	0.995	1.40e7	1.69e6	936	-6.4	0.829	dd

**Compound name: PCB-90/101**

Response Factor: 0.904903

RRF SD: 0.0873718, Relative SD: 9.65538

Response type: Internal Std ( Ref 187 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.66	NO	37.32	1.000	6.41e3	1.26e6	0.560	12.0	1.01	MM
2	201125K1_2	2.00	1.55	NO	37.30	1.000	2.44e4	1.46e6	1.85	-7.7	0.835	db

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**Compound name: PCB-90/101**

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3 201125K1_3	5.00	1.55	NO	37.30	1.000	6.48e4	1.59e6	4.51	-9.7	0.817	MM
4 201125K1_4	100	1.57	NO	37.32	1.000	1.47e6	1.46e6	111	11.2	1.01	dd
5 201125K1_5	800	1.55	NO	37.30	1.000	1.16e7	1.59e6	805	0.6	0.911	dd
6 201125K1_6	2000	1.56	NO	37.32	1.000	2.85e7	1.69e6	1870	-6.5	0.846	dd

**Compound name: PCB-113**

Response Factor: 1.25868

RRF SD: 0.123979, Relative SD: 9.8499

Response type: Internal Std ( Ref 187 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	0.250	1.37	NO	37.56	1.007	4.33e3	1.26e6	0.272	8.7	1.37	MM
2 201125K1_2	1.00	1.62	NO	37.56	1.007	1.64e4	1.46e6	0.895	-10.5	1.13	bd
3 201125K1_3	2.50	1.60	NO	37.56	1.007	4.53e4	1.59e6	2.27	-9.3	1.14	MM
4 201125K1_4	50.0	1.58	NO	37.56	1.007	1.04e6	1.46e6	56.7	13.5	1.43	dd
5 201125K1_5	400	1.57	NO	37.56	1.007	8.22e6	1.59e6	411	2.6	1.29	dd
6 201125K1_6	1000	1.55	NO	37.58	1.007	2.02e7	1.69e6	950	-5.0	1.20	dd

**Compound name: PCB-99**

Response Factor: 0.993379

RRF SD: 0.103125, Relative SD: 10.3813

Response type: Internal Std ( Ref 187 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	0.250	1.78	NO	37.67	1.010	3.55e3	1.26e6	0.282	12.9	1.12	MM
2 201125K1_2	1.00	1.61	NO	37.66	1.010	1.35e4	1.46e6	0.932	-6.8	0.926	db
3 201125K1_3	2.50	1.65	NO	37.66	1.010	3.44e4	1.59e6	2.19	-12.6	0.868	MM
4 201125K1_4	50.0	1.61	NO	37.66	1.010	8.05e5	1.46e6	55.6	11.2	1.10	db
5 201125K1_5	400	1.61	NO	37.66	1.010	6.42e6	1.59e6	406	1.6	1.01	db
6 201125K1_6	1000	1.57	NO	37.67	1.010	1.57e7	1.69e6	937	-6.3	0.930	db

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**Compound name: PCB-119**

Response Factor: 1.53011

RRF SD: 0.140606, Relative SD: 9.18925

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.63	NO	38.14	0.987	4.26e3	1.02e6	0.273	9.1	1.67	MM
2	201125K1_2	1.00	1.73	NO	38.14	0.987	1.65e4	1.20e6	0.904	-9.6	1.38	bd
3	201125K1_3	2.50	1.60	NO	38.14	0.987	4.50e4	1.30e6	2.27	-9.2	1.39	bd
4	201125K1_4	50.0	1.61	NO	38.14	0.987	1.01e6	1.18e6	56.0	11.9	1.71	bd
5	201125K1_5	400	1.56	NO	38.14	0.987	8.15e6	1.31e6	408	1.9	1.56	bd
6	201125K1_6	1000	1.55	NO	38.16	0.987	2.03e7	1.38e6	959	-4.1	1.47	bd

**Compound name: PCB-108/112**

Response Factor: 1.24559

RRF SD: 0.103199, Relative SD: 8.28514

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.78	NO	38.29	0.991	6.48e3	1.02e6	0.509	1.8	1.27	dd
2	201125K1_2	2.00	1.58	NO	38.29	0.991	2.80e4	1.20e6	1.88	-6.0	1.17	dd
3	201125K1_3	5.00	1.48	NO	38.29	0.991	7.31e4	1.30e6	4.53	-9.4	1.13	dd
4	201125K1_4	100	1.59	NO	38.29	0.991	1.67e6	1.18e6	114	14.4	1.43	dd
5	201125K1_5	800	1.56	NO	38.29	0.991	1.32e7	1.31e6	812	1.4	1.26	dd
6	201125K1_6	2000	1.56	NO	38.31	0.991	3.36e7	1.38e6	1960	-2.2	1.22	dd

**Compound name: PCB-83**

Response Factor: 1.55726

RRF SD: 0.166748, Relative SD: 10.7078

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.49	NO	38.47	0.996	4.43e3	1.02e6	0.278	11.4	1.73	dd
2	201125K1_2	1.00	1.51	NO	38.46	0.995	1.67e4	1.20e6	0.898	-10.2	1.40	dd

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**Compound name: PCB-83**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.52	NO	38.46	0.995	4.52e4	1.30e6	2.24	-10.4	1.39	dd
4	201125K1_4	50.0	1.62	NO	38.46	0.995	1.04e6	1.18e6	56.8	13.6	1.77	dd
5	201125K1_5	400	1.57	NO	38.46	0.995	8.31e6	1.31e6	408	2.1	1.59	dd
6	201125K1_6	1000	1.58	NO	38.47	0.995	2.01e7	1.38e6	935	-6.5	1.46	dd

**Compound name: PCB-97**

Response Factor: 1.12347

RRF SD: 0.123352, Relative SD: 10.9796

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.66	NO	38.66	1.000	3.34e3	1.02e6	0.291	16.5	1.31	dd
2	201125K1_2	1.00	1.55	NO	38.66	1.000	1.23e4	1.20e6	0.916	-8.4	1.03	dd
3	201125K1_3	2.50	1.62	NO	38.66	1.000	3.24e4	1.30e6	2.22	-11.0	1.00	dd
4	201125K1_4	50.0	1.59	NO	38.66	1.000	7.23e5	1.18e6	54.8	9.5	1.23	dd
5	201125K1_5	400	1.57	NO	38.66	1.000	5.89e6	1.31e6	401	0.2	1.13	dd
6	201125K1_6	1000	1.56	NO	38.68	1.000	1.45e7	1.38e6	931	-6.9	1.05	dd

**Compound name: PCB-86**

Response Factor: 1.05834

RRF SD: 0.0913786, Relative SD: 8.63415

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.64	NO	38.83	1.005	2.81e3	1.02e6	0.260	4.0	1.10	dd
2	201125K1_2	1.00	1.54	NO	38.81	1.004	1.16e4	1.20e6	0.919	-8.1	0.972	dd
3	201125K1_3	2.50	1.49	NO	38.81	1.004	3.20e4	1.30e6	2.33	-6.8	0.986	dd
4	201125K1_4	50.0	1.57	NO	38.81	1.004	7.12e5	1.18e6	57.3	14.6	1.21	dd
5	201125K1_5	400	1.56	NO	38.83	1.005	5.63e6	1.31e6	407	1.7	1.08	dd
6	201125K1_6	1000	1.57	NO	38.83	1.004	1.38e7	1.38e6	946	-5.4	1.00	dd

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-87/117/125**

Response Factor: 1.33972

RRF SD: 0.123729, Relative SD: 9.23539

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.750	1.60	NO	38.96	1.008	1.07e4	1.02e6	0.785	4.7	1.40	dd
2	201125K1_2	3.00	1.57	NO	38.94	1.008	4.31e4	1.20e6	2.69	-10.4	1.20	dd
3	201125K1_3	7.50	1.59	NO	38.94	1.008	1.17e5	1.30e6	6.75	-10.0	1.21	dd
4	201125K1_4	150	1.58	NO	38.94	1.008	2.67e6	1.18e6	169	12.9	1.51	dd
5	201125K1_5	1200	1.57	NO	38.96	1.008	2.20e7	1.31e6	1260	4.9	1.41	dd
6	201125K1_6	3000	1.56	NO	38.98	1.008	5.43e7	1.38e6	2940	-2.1	1.31	dd

**Compound name: PCB-111/115**

Response Factor: 1.61625

RRF SD: 0.17346, Relative SD: 10.7322

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.62	NO	39.11	1.012	9.10e3	1.02e6	0.551	10.2	1.78	dd
2	201125K1_2	2.00	1.62	NO	39.11	1.012	3.31e4	1.20e6	1.71	-14.3	1.39	dd
3	201125K1_3	5.00	1.62	NO	39.11	1.012	9.17e4	1.30e6	4.38	-12.4	1.42	MM
4	201125K1_4	100	1.58	NO	39.11	1.012	2.05e6	1.18e6	108	8.0	1.75	MM
5	201125K1_5	800	1.57	NO	39.11	1.012	1.81e7	1.31e6	855	6.8	1.73	dd
6	201125K1_6	2000	1.57	NO	39.13	1.012	4.54e7	1.38e6	2030	1.7	1.64	dd

**Compound name: PCB-85/116**

Response Factor: 1.23188

RRF SD: 0.114623, Relative SD: 9.3047

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.75	NO	39.24	1.015	6.44e3	1.02e6	0.511	2.3	1.26	MM
2	201125K1_2	2.00	1.57	NO	39.24	1.015	2.81e4	1.20e6	1.91	-4.6	1.18	MM

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-85/116**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	5.00	1.59	NO	39.24	1.015	7.53e4	1.30e6	4.72	-5.6	1.16	MM
4	201125K1_4	100	1.60	NO	39.24	1.015	1.70e6	1.18e6	117	17.4	1.45	MM
5	201125K1_5	800	1.59	NO	39.24	1.015	1.27e7	1.31e6	791	-1.1	1.22	dd
6	201125K1_6	2000	1.60	NO	39.26	1.015	3.12e7	1.38e6	1830	-8.4	1.13	dd

**Compound name: PCB-120**

Response Factor: 1.79221

RRF SD: 0.184681, Relative SD: 10.3047

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.44	NO	39.52	1.023	5.20e3	1.02e6	0.284	13.7	2.04	MM
2	201125K1_2	1.00	1.49	NO	39.50	1.022	1.93e4	1.20e6	0.902	-9.8	1.62	MM
3	201125K1_3	2.50	1.68	NO	39.50	1.022	5.16e4	1.30e6	2.22	-11.1	1.59	dd
4	201125K1_4	50.0	1.54	NO	39.50	1.022	1.16e6	1.18e6	55.2	10.4	1.98	dd
5	201125K1_5	400	1.55	NO	39.50	1.022	9.45e6	1.31e6	403	0.9	1.81	dd
6	201125K1_6	1000	1.58	NO	39.52	1.022	2.38e7	1.38e6	960	-4.0	1.72	dd

**Compound name: PCB-110**

Response Factor: 1.49925

RRF SD: 0.169698, Relative SD: 11.3189

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.67	NO	39.65	1.026	4.48e3	1.02e6	0.292	16.9	1.75	MM
2	201125K1_2	1.00	1.51	NO	39.63	1.026	1.62e4	1.20e6	0.901	-9.9	1.35	db
3	201125K1_3	2.50	1.60	NO	39.63	1.026	4.37e4	1.30e6	2.25	-10.1	1.35	db
4	201125K1_4	50.0	1.59	NO	39.63	1.026	9.72e5	1.18e6	55.2	10.4	1.66	db
5	201125K1_5	400	1.57	NO	39.63	1.026	7.79e6	1.31e6	398	-0.6	1.49	db
6	201125K1_6	1000	1.58	NO	39.65	1.026	1.93e7	1.38e6	932	-6.8	1.40	db

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-82**

Response Factor: 0.637669

RRF SD: 0.0554609, Relative SD: 8.69744

Response type: Internal Std ( Ref 189 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.44	NO	40.30	0.976	2.48e3	1.49e6	0.262	4.6	0.667	MM
2	201125K1_2	1.00	1.57	NO	40.28	0.976	9.74e3	1.73e6	0.883	-11.7	0.563	db
3	201125K1_3	2.50	1.56	NO	40.28	0.976	2.78e4	1.81e6	2.41	-3.8	0.614	db
4	201125K1_4	50.0	1.60	NO	40.28	0.976	6.08e5	1.69e6	56.3	12.5	0.718	db
5	201125K1_5	400	1.55	NO	40.28	0.976	4.86e6	1.83e6	416	4.1	0.664	bb
6	201125K1_6	1000	1.59	NO	40.30	0.976	1.19e7	1.98e6	942	-5.8	0.601	db

**Compound name: PCB-124**

Response Factor: 1.07851

RRF SD: 0.0892914, Relative SD: 8.27915

Response type: Internal Std ( Ref 189 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.43	NO	41.01	0.993	4.35e3	1.49e6	0.271	8.5	1.17	MM
2	201125K1_2	1.00	1.54	NO	40.99	0.993	1.73e4	1.73e6	0.929	-7.1	1.00	dd
3	201125K1_3	2.50	1.58	NO	40.99	0.993	4.38e4	1.81e6	2.24	-10.3	0.967	bd
4	201125K1_4	50.0	1.56	NO	40.99	0.993	1.00e6	1.69e6	54.8	9.7	1.18	bd
5	201125K1_5	400	1.57	NO	40.99	0.993	8.11e6	1.83e6	411	2.8	1.11	bd
6	201125K1_6	1000	1.56	NO	41.01	0.993	2.06e7	1.98e6	964	-3.6	1.04	bd

**Compound name: PCB-107/109**

Response Factor: 1.10856

RRF SD: 0.0830058, Relative SD: 7.48769

Response type: Internal Std ( Ref 189 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.69	NO	41.14	0.996	8.49e3	1.49e6	0.514	2.9	1.14	dd
2	201125K1_2	2.00	1.52	NO	41.14	0.996	3.52e4	1.73e6	1.83	-8.3	1.02	dd

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**Compound name: PCB-107/109**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	5.00	1.55	NO	41.14	0.996	9.17e4	1.81e6	4.56	-8.7	1.01	dd
4	201125K1_4	100	1.59	NO	41.14	0.996	2.06e6	1.69e6	110	9.9	1.22	dd
5	201125K1_5	800	1.56	NO	41.14	0.996	1.71e7	1.83e6	842	5.3	1.17	dd
6	201125K1_6	2000	1.58	NO	41.15	0.996	4.33e7	1.98e6	1980	-1.1	1.10	dd

**Compound name: PCB-123**

Response Factor: 1.00057

RRF SD: 0.0914738, Relative SD: 9.14221

Response type: Internal Std ( Ref 189 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.54	NO	41.32	1.000	4.14e3	1.49e6	0.278	11.1	1.11	dd
2	201125K1_2	1.00	1.38	NO	41.30	1.000	1.62e4	1.73e6	0.936	-6.4	0.937	dd
3	201125K1_3	2.50	1.53	NO	41.30	1.000	4.06e4	1.81e6	2.24	-10.5	0.895	dd
4	201125K1_4	50.0	1.60	NO	41.32	1.001	9.31e5	1.69e6	55.0	9.9	1.10	dd
5	201125K1_5	400	1.57	NO	41.32	1.001	7.48e6	1.83e6	409	2.2	1.02	dd
6	201125K1_6	1000	1.58	NO	41.34	1.001	1.85e7	1.98e6	937	-6.3	0.937	dd

**Compound name: PCB-106/118**

Response Factor: 1.02247

RRF SD: 0.078288, Relative SD: 7.65677

Response type: Internal Std ( Ref 190 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.55	NO	41.54	1.001	7.93e3	1.47e6	0.527	5.5	1.08	MM
2	201125K1_2	2.00	1.69	NO	41.53	1.001	3.37e4	1.72e6	1.91	-4.3	0.979	MM
3	201125K1_3	5.00	1.64	NO	41.53	1.001	8.82e4	1.84e6	4.69	-6.3	0.958	dd
4	201125K1_4	100	1.58	NO	41.53	1.001	1.97e6	1.72e6	112	12.3	1.15	MM
5	201125K1_5	800	1.56	NO	41.53	1.001	1.62e7	1.98e6	802	0.2	1.02	MM
6	201125K1_6	2000	1.59	NO	41.54	1.001	4.15e7	2.19e6	1850	-7.4	0.947	MM



Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-114**

Response Factor: 1.08393

RRF SD: 0.100361, Relative SD: 9.25897

Response type: Internal Std ( Ref 191 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.79	NO	42.19	1.000	4.91e3	1.68e6	0.270	7.9	1.17	MM
2	201125K1_2	1.00	1.58	NO	42.17	1.000	1.97e4	1.94e6	0.937	-6.3	1.02	MM
3	201125K1_3	2.50	1.50	NO	42.17	1.000	4.97e4	2.05e6	2.23	-10.8	0.967	MM
4	201125K1_4	50.0	1.58	NO	42.17	1.000	1.14e6	1.86e6	56.5	13.1	1.23	MM
5	201125K1_5	400	1.56	NO	42.17	1.000	9.09e6	2.05e6	408	2.0	1.11	MM
6	201125K1_6	1000	1.56	NO	42.19	1.000	2.27e7	2.23e6	941	-5.9	1.02	MM

**Compound name: PCB-122**

Response Factor: 0.930252

RRF SD: 0.081016, Relative SD: 8.70904

Response type: Internal Std ( Ref 191 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.78	NO	42.32	1.004	3.79e3	1.68e6	0.242	-3.1	0.902	MM
2	201125K1_2	1.00	1.53	NO	42.32	1.004	1.74e4	1.94e6	0.962	-3.8	0.895	dd
3	201125K1_3	2.50	1.60	NO	42.32	1.004	4.41e4	2.05e6	2.31	-7.7	0.859	dd
4	201125K1_4	50.0	1.61	NO	42.32	1.004	1.00e6	1.86e6	58.0	15.9	1.08	MM
5	201125K1_5	400	1.58	NO	42.32	1.004	7.94e6	2.05e6	416	3.9	0.967	MM
6	201125K1_6	1000	1.56	NO	42.34	1.004	1.97e7	2.23e6	948	-5.2	0.882	MM

**Compound name: PCB-105**

Response Factor: 1.03453

RRF SD: 0.0914333, Relative SD: 8.83811

Response type: Internal Std ( Ref 192 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.60	NO	43.08	1.000	4.74e3	1.79e6	0.256	2.5	1.06	MM
2	201125K1_2	1.00	1.67	NO	43.06	1.000	1.92e4	1.95e6	0.949	-5.1	0.982	dd

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**Compound name: PCB-105**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.63	NO	43.06	1.000	5.01e4	2.12e6	2.28	-8.7	0.945	bd
4	201125K1_4	50.0	1.60	NO	43.06	1.000	1.12e6	1.88e6	57.6	15.1	1.19	dd
5	201125K1_5	400	1.60	NO	43.06	1.000	8.94e6	2.10e6	411	2.9	1.06	MM
6	201125K1_6	1000	1.55	NO	43.08	1.000	2.22e7	2.30e6	933	-6.7	0.965	bd

**Compound name: PCB-127**

Response Factor: 1.05644

RRF SD: 0.0812189, Relative SD: 7.688

Response type: Internal Std ( Ref 193 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.62	NO	43.42	1.000	5.02e3	1.85e6	0.256	2.4	1.08	MM
2	201125K1_2	1.00	1.66	NO	43.42	1.000	2.02e4	2.02e6	0.944	-5.6	0.998	db
3	201125K1_3	2.50	1.66	NO	43.42	1.000	5.37e4	2.21e6	2.30	-8.1	0.971	db
4	201125K1_4	50.0	1.56	NO	43.42	1.000	1.21e6	2.04e6	56.2	12.5	1.19	db
5	201125K1_5	400	1.59	NO	43.42	1.000	9.54e6	2.18e6	414	3.6	1.09	db
6	201125K1_6	1000	1.59	NO	43.44	1.000	2.35e7	2.33e6	951	-4.9	1.01	db

**Compound name: PCB-126**

Response Factor: 1.15088

RRF SD: 0.103522, Relative SD: 8.99506

Response type: Internal Std ( Ref 194 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.68	NO	45.39	1.000	5.12e3	1.64e6	0.272	8.8	1.25	MM
2	201125K1_2	1.00	1.62	NO	45.37	1.000	2.32e4	2.19e6	0.921	-7.9	1.06	db
3	201125K1_3	2.50	1.52	NO	45.37	1.000	5.93e4	2.30e6	2.24	-10.2	1.03	db
4	201125K1_4	50.0	1.57	NO	45.37	1.000	1.32e6	2.06e6	55.8	11.6	1.28	db
5	201125K1_5	400	1.61	NO	45.37	1.000	9.91e6	2.10e6	410	2.4	1.18	db
6	201125K1_6	1000	1.61	NO	45.39	1.000	2.51e7	2.28e6	953	-4.7	1.10	db

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-155**

Response Factor: 0.852601  
 RRF SD: 0.0562188, Relative SD: 6.5938  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.26	NO	36.86	1.000	2.62e3	1.22e6	0.251	0.2	0.855	MM
2	201125K1_2	1.00	1.29	NO	36.84	1.000	1.19e4	1.44e6	0.971	-2.9	0.828	bb
3	201125K1_3	2.50	1.31	NO	36.86	1.001	3.13e4	1.61e6	2.28	-8.9	0.777	bb
4	201125K1_4	50.0	1.29	NO	36.86	1.001	6.90e5	1.47e6	55.2	10.3	0.940	bb
5	201125K1_5	400	1.30	NO	36.86	1.001	5.50e6	1.55e6	416	4.0	0.887	bb
6	201125K1_6	1000	1.27	NO	36.86	1.000	1.32e7	1.59e6	972	-2.8	0.829	bb

**Compound name: PCB-150**

Response Factor: 0.934238  
 RRF SD: 0.101585, Relative SD: 10.8736  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.18	NO	38.16	1.036	3.34e3	1.22e6	0.292	16.7	1.09	MM
2	201125K1_2	1.00	1.30	NO	38.14	1.036	1.21e4	1.44e6	0.899	-10.1	0.840	bb
3	201125K1_3	2.50	1.34	NO	38.14	1.036	3.29e4	1.61e6	2.18	-12.8	0.815	bb
4	201125K1_4	50.0	1.26	NO	38.16	1.036	7.29e5	1.47e6	53.2	6.4	0.994	bb
5	201125K1_5	400	1.28	NO	38.16	1.036	5.90e6	1.55e6	407	1.8	0.951	bb
6	201125K1_6	1000	1.28	NO	38.18	1.036	1.46e7	1.59e6	981	-1.9	0.916	bb

**Compound name: PCB-152**

Response Factor: 1.01819  
 RRF SD: 0.102406, Relative SD: 10.0576  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.23	NO	38.64	1.049	3.56e3	1.22e6	0.285	14.2	1.16	db
2	201125K1_2	1.00	1.24	NO	38.64	1.049	1.28e4	1.44e6	0.879	-12.1	0.895	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-152**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.29	NO	38.64	1.049	3.71e4	1.61e6	2.26	-9.7	0.919	bb
4	201125K1_4	50.0	1.34	NO	38.64	1.049	8.01e5	1.47e6	53.6	7.2	1.09	bb
5	201125K1_5	400	1.28	NO	38.64	1.049	6.48e6	1.55e6	410	2.6	1.04	bb
6	201125K1_6	1000	1.30	NO	38.66	1.049	1.59e7	1.59e6	979	-2.1	0.996	bb

**Compound name: PCB-145**

Response Factor: 0.982821

RRF SD: 0.0825517, Relative SD: 8.39946

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.39	NO	39.11	1.062	3.00e3	1.22e6	0.250	-0.2	0.981	MM
2	201125K1_2	1.00	1.30	NO	39.11	1.062	1.28e4	1.44e6	0.904	-9.6	0.889	bb
3	201125K1_3	2.50	1.20	NO	39.11	1.062	3.54e4	1.61e6	2.23	-10.6	0.879	bb
4	201125K1_4	50.0	1.26	NO	39.11	1.062	7.83e5	1.47e6	54.3	8.5	1.07	bb
5	201125K1_5	400	1.26	NO	39.11	1.062	6.56e6	1.55e6	431	7.6	1.06	bb
6	201125K1_6	1000	1.31	NO	39.13	1.062	1.63e7	1.59e6	1040	4.2	1.02	bb

**Compound name: PCB-136**

Response Factor: 0.881062

RRF SD: 0.0788666, Relative SD: 8.95131

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.24	NO	39.44	1.071	2.80e3	1.22e6	0.260	3.8	0.915	MM
2	201125K1_2	1.00	1.25	NO	39.42	1.071	1.14e4	1.44e6	0.905	-9.5	0.797	bd
3	201125K1_3	2.50	1.25	NO	39.42	1.071	3.15e4	1.61e6	2.22	-11.3	0.781	bd
4	201125K1_4	50.0	1.26	NO	39.42	1.071	7.24e5	1.47e6	56.0	12.0	0.986	bd
5	201125K1_5	400	1.29	NO	39.44	1.071	5.73e6	1.55e6	420	4.9	0.924	bd
6	201125K1_6	1000	1.27	NO	39.44	1.071	1.40e7	1.59e6	1000	0.1	0.882	bd

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-148**

Response Factor: 0.666115

RRF SD: 0.0655819, Relative SD: 9.84543

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.07	NO	39.55	1.074	2.13e3	1.22e6	0.262	4.6	0.697	dd
2	201125K1_2	1.00	1.22	NO	39.53	1.074	8.67e3	1.44e6	0.907	-9.3	0.604	db
3	201125K1_3	2.50	1.34	NO	39.55	1.074	2.31e4	1.61e6	2.15	-13.9	0.574	db
4	201125K1_4	50.0	1.28	NO	39.55	1.074	5.46e5	1.47e6	55.9	11.7	0.744	db
5	201125K1_5	400	1.30	NO	39.55	1.074	4.41e6	1.55e6	427	6.8	0.712	db
6	201125K1_6	1000	1.32	NO	39.57	1.074	1.06e7	1.59e6	1000	-0.0	0.666	db

**Compound name: PCB-154**

Response Factor: 0.720709

RRF SD: 0.0489312, Relative SD: 6.78932

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.19	NO	40.06	1.087	2.11e3	1.22e6	0.239	-4.5	0.688	MM
2	201125K1_2	1.00	1.36	NO	40.06	1.088	1.01e4	1.44e6	0.972	-2.8	0.701	bb
3	201125K1_3	2.50	1.23	NO	40.06	1.088	2.65e4	1.61e6	2.28	-8.8	0.658	bb
4	201125K1_4	50.0	1.28	NO	40.06	1.088	5.79e5	1.47e6	54.7	9.4	0.789	bb
5	201125K1_5	400	1.29	NO	40.06	1.088	4.74e6	1.55e6	424	6.0	0.764	bb
6	201125K1_6	1000	1.26	NO	40.08	1.088	1.16e7	1.59e6	1010	0.6	0.725	bb

**Compound name: PCB-151**

Response Factor: 0.674097

RRF SD: 0.096058, Relative SD: 14.2499

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.18	NO	40.71	1.105	2.61e3	1.22e6	0.316	26.3	0.852	MM
2	201125K1_2	1.00	1.37	NO	40.71	1.106	8.78e3	1.44e6	0.908	-9.2	0.612	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-151**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.41	NO	40.71	1.106	2.36e4	1.61e6	2.17	-13.3	0.584	MM
4	201125K1_4	50.0	1.31	NO	40.71	1.106	5.15e5	1.47e6	52.1	4.2	0.702	bd
5	201125K1_5	400	1.28	NO	40.71	1.106	4.11e6	1.55e6	393	-1.7	0.662	bd
6	201125K1_6	1000	1.31	NO	40.73	1.106	1.01e7	1.59e6	938	-6.2	0.632	bd

**Compound name: PCB-135**

Response Factor: 0.723039

RRF SD: 0.0991453, Relative SD: 13.7123

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.20	NO	40.95	1.112	2.73e3	1.22e6	0.308	23.2	0.891	dd
2	201125K1_2	1.00	1.15	NO	40.93	1.112	9.33e3	1.44e6	0.899	-10.1	0.650	MM
3	201125K1_3	2.50	1.27	NO	40.93	1.112	2.43e4	1.61e6	2.09	-16.5	0.604	dd
4	201125K1_4	50.0	1.25	NO	40.93	1.112	5.56e5	1.47e6	52.4	4.8	0.758	dd
5	201125K1_5	400	1.28	NO	40.95	1.112	4.50e6	1.55e6	402	0.4	0.726	MM
6	201125K1_6	1000	1.25	NO	40.95	1.112	1.13e7	1.59e6	982	-1.8	0.710	MM

**Compound name: PCB-144**

Response Factor: 0.691489

RRF SD: 0.0495355, Relative SD: 7.16361

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.26	NO	41.06	1.115	2.07e3	1.22e6	0.245	-2.0	0.678	MM
2	201125K1_2	1.00	1.21	NO	41.04	1.115	9.17e3	1.44e6	0.924	-7.6	0.639	MM
3	201125K1_3	2.50	1.31	NO	41.04	1.115	2.56e4	1.61e6	2.30	-8.2	0.635	dd
4	201125K1_4	50.0	1.29	NO	41.04	1.115	5.54e5	1.47e6	54.6	9.3	0.756	dd
5	201125K1_5	400	1.30	NO	41.06	1.115	4.55e6	1.55e6	424	6.0	0.733	MM
6	201125K1_6	1000	1.31	NO	41.06	1.115	1.13e7	1.59e6	1020	2.4	0.708	MM

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**Compound name: PCB-147**

Response Factor: 0.712824

RRF SD: 0.0990544, Relative SD: 13.8961

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.25	NO	41.19	1.118	2.68e3	1.22e6	0.307	22.8	0.876	db
2	201125K1_2	1.00	1.24	NO	41.17	1.118	9.28e3	1.44e6	0.907	-9.3	0.646	MM
3	201125K1_3	2.50	1.37	NO	41.19	1.119	2.35e4	1.61e6	2.04	-18.4	0.582	db
4	201125K1_4	50.0	1.29	NO	41.19	1.119	5.44e5	1.47e6	52.0	4.0	0.741	db
5	201125K1_5	400	1.32	NO	41.19	1.119	4.48e6	1.55e6	405	1.4	0.723	db
6	201125K1_6	1000	1.28	NO	41.21	1.119	1.13e7	1.59e6	996	-0.4	0.710	db

**Compound name: PCB-139/149**

Response Factor: 0.773171

RRF SD: 0.0638554, Relative SD: 8.25891

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.07	NO	41.47	1.126	4.99e3	1.22e6	0.527	5.4	0.815	MM
2	201125K1_2	2.00	1.35	NO	41.45	1.126	2.08e4	1.44e6	1.87	-6.4	0.723	bd
3	201125K1_3	5.00	1.25	NO	41.45	1.126	5.37e4	1.61e6	4.31	-13.9	0.666	bd
4	201125K1_4	100	1.26	NO	41.45	1.126	1.21e6	1.47e6	106	6.3	0.822	bd
5	201125K1_5	800	1.30	NO	41.47	1.126	1.01e7	1.55e6	840	5.0	0.812	bd
6	201125K1_6	2000	1.26	NO	41.47	1.126	2.55e7	1.59e6	2070	3.6	0.801	bd

**Compound name: PCB-140**

Response Factor: 0.652312

RRF SD: 0.0573166, Relative SD: 8.78668

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.23	NO	41.66	1.131	2.12e3	1.22e6	0.266	6.4	0.694	MM
2	201125K1_2	1.00	1.23	NO	41.64	1.131	8.43e3	1.44e6	0.900	-10.0	0.587	db

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**Compound name: PCB-140**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.32	NO	41.64	1.131	2.34e4	1.61e6	2.22	-11.1	0.580	db
4	201125K1_4	50.0	1.28	NO	41.66	1.131	5.27e5	1.47e6	55.1	10.2	0.719	db
5	201125K1_5	400	1.31	NO	41.66	1.131	4.22e6	1.55e6	417	4.3	0.680	db
6	201125K1_6	1000	1.27	NO	41.67	1.131	1.04e7	1.59e6	1000	0.2	0.653	db

**Compound name: PCB-134/143**

Response Factor: 0.717673

RRF SD: 0.0518866, Relative SD: 7.22984

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.34	NO	42.11	0.974	5.25e3	1.49e6	0.491	-1.9	0.704	MM
2	201125K1_2	2.00	1.30	NO	42.11	0.975	2.21e4	1.61e6	1.91	-4.7	0.684	bb
3	201125K1_3	5.00	1.26	NO	42.09	0.974	5.81e4	1.77e6	4.58	-8.4	0.658	bb
4	201125K1_4	100	1.25	NO	42.11	0.975	1.29e6	1.60e6	113	12.6	0.808	bb
5	201125K1_5	800	1.24	NO	42.11	0.975	1.03e7	1.75e6	821	2.6	0.736	bb
6	201125K1_6	2000	1.24	NO	42.13	0.975	2.55e7	1.78e6	1990	-0.3	0.716	bb

**Compound name: PCB-131/133**

Response Factor: 0.767641

RRF SD: 0.0615073, Relative SD: 8.01251

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.15	NO	42.41	0.981	5.91e3	1.49e6	0.517	3.4	0.794	MM
2	201125K1_2	2.00	1.27	NO	42.41	0.982	2.32e4	1.61e6	1.87	-6.6	0.717	bd
3	201125K1_3	5.00	1.26	NO	42.41	0.982	5.97e4	1.77e6	4.41	-11.9	0.676	bd
4	201125K1_4	100	1.25	NO	42.41	0.982	1.36e6	1.60e6	111	10.7	0.850	bd
5	201125K1_5	800	1.24	NO	42.41	0.982	1.11e7	1.75e6	825	3.1	0.791	bd
6	201125K1_6	2000	1.25	NO	42.43	0.982	2.77e7	1.78e6	2030	1.3	0.778	bd



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**Compound name: PCB-142**

Response Factor: 0.687079

RRF SD: 0.0529721, Relative SD: 7.70975

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.29	NO	42.58	0.985	2.53e3	1.49e6	0.248	-1.0	0.680	dd
2	201125K1_2	1.00	1.24	NO	42.57	0.985	1.06e4	1.61e6	0.954	-4.6	0.655	dd
3	201125K1_3	2.50	1.23	NO	42.57	0.985	2.73e4	1.77e6	2.25	-9.9	0.619	dd
4	201125K1_4	50.0	1.25	NO	42.57	0.985	6.20e5	1.60e6	56.4	12.9	0.776	dd
5	201125K1_5	400	1.26	NO	42.57	0.985	4.96e6	1.75e6	413	3.2	0.709	dd
6	201125K1_6	1000	1.26	NO	42.58	0.985	1.22e7	1.78e6	994	-0.6	0.683	dd

**Compound name: PCB-146/165**

Response Factor: 0.9434

RRF SD: 0.0698543, Relative SD: 7.40453

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.22	NO	42.81	0.990	7.30e3	1.49e6	0.520	3.9	0.981	MM
2	201125K1_2	2.00	1.27	NO	42.79	0.990	2.81e4	1.61e6	1.85	-7.6	0.872	dd
3	201125K1_3	5.00	1.19	NO	42.81	0.991	7.52e4	1.77e6	4.51	-9.8	0.851	dd
4	201125K1_4	100	1.25	NO	42.81	0.991	1.66e6	1.60e6	110	9.9	1.04	dd
5	201125K1_5	800	1.25	NO	42.81	0.991	1.35e7	1.75e6	817	2.1	0.964	dd
6	201125K1_6	2000	1.25	NO	42.83	0.991	3.41e7	1.78e6	2030	1.4	0.957	dd

**Compound name: PCB-132/161**

Response Factor: 0.95709

RRF SD: 0.0791961, Relative SD: 8.27468

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.39	NO	43.06	0.996	7.59e3	1.49e6	0.532	6.4	1.02	MM
2	201125K1_2	2.00	1.28	NO	43.04	0.996	2.82e4	1.61e6	1.83	-8.6	0.875	dd

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-132/161**

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3 201125K1_3	5.00	1.26	NO	43.04	0.996	7.58e4	1.77e6	4.48	-10.4	0.858	dd
4 201125K1_4	100	1.26	NO	43.04	0.996	1.69e6	1.60e6	111	10.5	1.06	dd
5 201125K1_5	800	1.25	NO	43.06	0.997	1.38e7	1.75e6	823	2.8	0.984	dd
6 201125K1_6	2000	1.26	NO	43.08	0.997	3.38e7	1.78e6	1980	-0.8	0.950	dd

**Compound name: PCB-153**

Response Factor: 0.990121

RRF SD: 0.0793774, Relative SD: 8.01694

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	0.250	1.39	NO	43.25	1.000	3.99e3	1.49e6	0.271	8.3	1.07	MM
2 201125K1_2	1.00	1.20	NO	43.23	1.000	1.54e4	1.61e6	0.961	-3.9	0.951	dd
3 201125K1_3	2.50	1.23	NO	43.23	1.000	4.00e4	1.77e6	2.29	-8.6	0.905	dd
4 201125K1_4	50.0	1.25	NO	43.23	1.000	8.79e5	1.60e6	55.6	11.2	1.10	dd
5 201125K1_5	400	1.25	NO	43.23	1.000	6.87e6	1.75e6	397	-0.8	0.982	dd
6 201125K1_6	1000	1.26	NO	43.25	1.000	1.65e7	1.78e6	938	-6.2	0.929	dd

**Compound name: PCB-168**

Response Factor: 1.03491

RRF SD: 0.123668, Relative SD: 11.9496

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	0.250	1.32	NO	43.46	1.005	4.52e3	1.49e6	0.293	17.2	1.21	MM
2 201125K1_2	1.00	1.29	NO	43.46	1.006	1.47e4	1.61e6	0.879	-12.1	0.909	db
3 201125K1_3	2.50	1.27	NO	43.46	1.006	4.01e4	1.77e6	2.19	-12.2	0.908	db
4 201125K1_4	50.0	1.25	NO	43.46	1.006	9.07e5	1.60e6	54.9	9.8	1.14	db
5 201125K1_5	400	1.25	NO	43.46	1.006	7.38e6	1.75e6	408	2.0	1.06	db
6 201125K1_6	1000	1.25	NO	43.47	1.006	1.76e7	1.78e6	953	-4.7	0.987	db

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**Compound name: PCB-141**

Response Factor: 0.948301

RRF SD: 0.0929715, Relative SD: 9.80401

Response type: Internal Std ( Ref 197 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.09	NO	44.01	1.000	3.13e3	1.18e6	0.279	11.6	1.06	MM
2	201125K1_2	1.00	1.18	NO	43.99	1.000	1.17e4	1.35e6	0.915	-8.5	0.868	MM
3	201125K1_3	2.50	1.25	NO	43.99	1.000	3.05e4	1.47e6	2.18	-12.8	0.827	MM
4	201125K1_4	50.0	1.25	NO	44.01	1.001	7.08e5	1.36e6	54.9	9.8	1.04	bd
5	201125K1_5	400	1.25	NO	44.01	1.000	5.55e6	1.43e6	410	2.6	0.973	bd
6	201125K1_6	1000	1.24	NO	44.03	1.001	1.35e7	1.47e6	972	-2.8	0.922	bd

**Compound name: PCB-137**

Response Factor: 0.96353

RRF SD: 0.0911472, Relative SD: 9.45971

Response type: Internal Std ( Ref 197 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.37	NO	44.40	1.010	3.12e3	1.18e6	0.274	9.6	1.06	MM
2	201125K1_2	1.00	1.22	NO	44.38	1.010	1.14e4	1.35e6	0.879	-12.1	0.847	bd
3	201125K1_3	2.50	1.25	NO	44.38	1.010	3.21e4	1.47e6	2.26	-9.7	0.870	bd
4	201125K1_4	50.0	1.23	NO	44.38	1.010	7.22e5	1.36e6	55.0	10.1	1.06	bd
5	201125K1_5	400	1.23	NO	44.38	1.009	5.68e6	1.43e6	414	3.5	0.997	bd
6	201125K1_6	1000	1.22	NO	44.40	1.010	1.39e7	1.47e6	986	-1.4	0.950	bd

**Compound name: PCB-130**

Response Factor: 0.816424

RRF SD: 0.0786335, Relative SD: 9.63145

Response type: Internal Std ( Ref 197 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.42	NO	44.50	1.012	2.27e3	1.18e6	0.235	-5.8	0.769	MM
2	201125K1_2	1.00	1.20	NO	44.50	1.012	9.97e3	1.35e6	0.905	-9.5	0.739	MM

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**Compound name: PCB-130**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.25	NO	44.50	1.012	2.74e4	1.47e6	2.28	-8.8	0.745	MM
4	201125K1_4	50.0	1.25	NO	44.50	1.012	6.27e5	1.36e6	56.4	12.9	0.922	MM
5	201125K1_5	400	1.25	NO	44.50	1.012	5.11e6	1.43e6	439	9.7	0.896	MM
6	201125K1_6	1000	1.25	NO	44.52	1.012	1.22e7	1.47e6	1020	1.5	0.829	MM

**Compound name: PCB-138/163/164**

Response Factor: 1.15391

RRF SD: 0.0854246, Relative SD: 7.40304

Response type: Internal Std ( Ref 198 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.750	1.17	NO	44.90	1.001	1.09e4	1.23e6	0.764	1.9	1.18	MM
2	201125K1_2	3.00	1.19	NO	44.88	1.001	4.63e4	1.45e6	2.77	-7.8	1.06	bd
3	201125K1_3	7.50	1.26	NO	44.90	1.001	1.20e5	1.52e6	6.87	-8.4	1.06	bd
4	201125K1_4	150	1.25	NO	44.90	1.001	2.70e6	1.41e6	166	10.9	1.28	bd
5	201125K1_5	1200	1.24	NO	44.90	1.001	2.25e7	1.56e6	1250	4.4	1.20	MM
6	201125K1_6	3000	1.25	NO	44.92	1.001	5.59e7	1.63e6	2970	-1.0	1.14	MM

**Compound name: PCB-158/160**

Response Factor: 1.13802

RRF SD: 0.0855101, Relative SD: 7.51393

Response type: Internal Std ( Ref 198 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.13	NO	45.14	1.006	7.31e3	1.23e6	0.521	4.2	1.19	MM
2	201125K1_2	2.00	1.16	NO	45.12	1.006	3.14e4	1.45e6	1.90	-5.1	1.08	dd
3	201125K1_3	5.00	1.23	NO	45.12	1.006	7.99e4	1.52e6	4.63	-7.3	1.05	dd
4	201125K1_4	100	1.25	NO	45.12	1.006	1.80e6	1.41e6	112	12.4	1.28	dd
5	201125K1_5	800	1.23	NO	45.14	1.007	1.44e7	1.56e6	810	1.2	1.15	MM
6	201125K1_6	2000	1.24	NO	45.14	1.006	3.51e7	1.63e6	1890	-5.5	1.08	MM

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**Compound name: PCB-129**

Response Factor: 0.806681  
 RRF SD: 0.0764974, Relative SD: 9.48298  
 Response type: Internal Std ( Ref 198 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.14	NO	45.39	1.012	2.19e3	1.23e6	0.220	-12.1	0.709	bb
2	201125K1_2	1.00	1.20	NO	45.37	1.012	1.20e4	1.45e6	1.02	2.2	0.824	db
3	201125K1_3	2.50	1.20	NO	45.37	1.012	2.97e4	1.52e6	2.43	-2.8	0.784	db
4	201125K1_4	50.0	1.24	NO	45.39	1.012	6.62e5	1.41e6	58.3	16.6	0.941	db
5	201125K1_5	400	1.23	NO	45.39	1.012	5.02e6	1.56e6	399	-0.2	0.805	MM
6	201125K1_6	1000	1.23	NO	45.41	1.012	1.27e7	1.63e6	963	-3.7	0.777	MM

**Compound name: PCB-166**

Response Factor: 1.03119  
 RRF SD: 0.0847646, Relative SD: 8.22007  
 Response type: Internal Std ( Ref 199 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.37	NO	45.86	0.993	3.84e3	1.44e6	0.258	3.3	1.07	MM
2	201125K1_2	1.00	1.27	NO	45.84	0.993	1.70e4	1.77e6	0.928	-7.2	0.957	MM
3	201125K1_3	2.50	1.28	NO	45.84	0.993	4.39e4	1.88e6	2.27	-9.4	0.934	MM
4	201125K1_4	50.0	1.25	NO	45.84	0.993	9.93e5	1.71e6	56.2	12.4	1.16	MM
5	201125K1_5	400	1.23	NO	45.84	0.993	7.98e6	1.85e6	418	4.4	1.08	MM
6	201125K1_6	1000	1.25	NO	45.86	0.993	1.98e7	1.99e6	965	-3.5	0.995	MM

**Compound name: PCB-159**

Response Factor: 1.0964  
 RRF SD: 0.0899015, Relative SD: 8.19974  
 Response type: Internal Std ( Ref 199 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.25	NO	46.20	1.000	4.25e3	1.44e6	0.269	7.4	1.18	MM
2	201125K1_2	1.00	1.22	NO	46.19	1.000	1.78e4	1.77e6	0.915	-8.5	1.00	MM

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**Compound name: PCB-159**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.22	NO	46.18	1.000	4.74e4	1.88e6	2.30	-8.0	1.01	MM
4	201125K1_4	50.0	1.24	NO	46.18	1.000	1.04e6	1.71e6	55.4	10.8	1.21	MM
5	201125K1_5	400	1.23	NO	46.20	1.000	8.35e6	1.85e6	411	2.8	1.13	MM
6	201125K1_6	1000	1.24	NO	46.20	1.000	2.08e7	1.99e6	955	-4.5	1.05	MM

**Compound name: PCB-128/162**

Response Factor: 0.836127  
 RRF SD: 0.0743149, Relative SD: 8.88799  
 Response type: Internal Std ( Ref 199 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.37	NO	46.51	1.007	6.68e3	1.44e6	0.555	10.9	0.927	MM
2	201125K1_2	2.00	1.21	NO	46.49	1.007	2.75e4	1.77e6	1.86	-7.2	0.776	MM
3	201125K1_3	5.00	1.29	NO	46.49	1.007	7.03e4	1.88e6	4.48	-10.5	0.749	MM
4	201125K1_4	100	1.24	NO	46.49	1.007	1.56e6	1.71e6	109	8.8	0.910	MM
5	201125K1_5	800	1.24	NO	46.49	1.007	1.28e7	1.85e6	825	3.2	0.863	MM
6	201125K1_6	2000	1.24	NO	46.51	1.007	3.15e7	1.99e6	1900	-5.2	0.792	MM

**Compound name: PCB-167**

Response Factor: 0.960374  
 RRF SD: 0.0617668, Relative SD: 6.43153  
 Response type: Internal Std ( Ref 200 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.37	NO	46.90	1.000	3.56e3	1.49e6	0.249	-0.5	0.956	MM
2	201125K1_2	1.00	1.26	NO	46.90	1.001	1.67e4	1.80e6	0.962	-3.8	0.924	MM
3	201125K1_3	2.50	1.20	NO	46.88	1.000	4.25e4	1.93e6	2.29	-8.2	0.882	bb
4	201125K1_4	50.0	1.23	NO	46.88	1.000	9.27e5	1.76e6	54.9	9.8	1.05	bb
5	201125K1_5	400	1.24	NO	46.90	1.000	7.61e6	1.89e6	419	4.8	1.01	bb
6	201125K1_6	1000	1.25	NO	46.90	1.000	1.90e7	2.02e6	978	-2.2	0.939	bb

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**Compound name: PCB-156**

Response Factor: 1.06254

RRF SD: 0.0932552, Relative SD: 8.77663

Response type: Internal Std ( Ref 201 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.21	NO	48.25	1.001	4.08e3	1.38e6	0.278	11.3	1.18	MM
2	201125K1_2	1.00	1.20	NO	48.23	1.000	1.67e4	1.66e6	0.946	-5.4	1.00	bd
3	201125K1_3	2.50	1.24	NO	48.23	1.000	4.24e4	1.79e6	2.22	-11.1	0.944	bd
4	201125K1_4	50.0	1.24	NO	48.23	1.001	9.52e5	1.64e6	54.6	9.2	1.16	bb
5	201125K1_5	400	1.24	NO	48.23	1.000	7.66e6	1.79e6	402	0.5	1.07	bd
6	201125K1_6	1000	1.24	NO	48.25	1.000	2.00e7	1.97e6	956	-4.4	1.02	bb

**Compound name: PCB-157**

Response Factor: 0.959906

RRF SD: 0.0939394, Relative SD: 9.78631

Response type: Internal Std ( Ref 202 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.36	NO	48.51	1.000	3.71e3	1.39e6	0.278	11.1	1.07	MM
2	201125K1_2	1.00	1.40	NO	48.50	1.000	1.46e4	1.70e6	0.897	-10.3	0.861	dd
3	201125K1_3	2.50	1.28	NO	48.50	1.000	3.99e4	1.81e6	2.29	-8.3	0.881	dd
4	201125K1_4	50.0	1.25	NO	48.50	1.000	8.88e5	1.66e6	55.9	11.8	1.07	bd
5	201125K1_5	400	1.25	NO	48.51	1.000	7.15e6	1.83e6	408	2.0	0.979	dd
6	201125K1_6	1000	1.25	NO	48.51	1.000	1.81e7	2.01e6	938	-6.2	0.900	bd

**Compound name: PCB-169**

Response Factor: 1.03922

RRF SD: 0.0926086, Relative SD: 8.91138

Response type: Internal Std ( Ref 203 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.26	NO	50.79	1.000	3.87e3	1.40e6	0.266	6.4	1.11	MM
2	201125K1_2	1.00	1.30	NO	50.77	1.000	1.58e4	1.68e6	0.904	-9.6	0.939	bb



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**Compound name: PCB-169**

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3 201125K1_3	2.50	1.31	NO	50.79	1.000	4.20e4	1.78e6	2.27	-9.2	0.944	bb
4 201125K1_4	50.0	1.26	NO	50.77	1.000	9.54e5	1.63e6	56.4	12.9	1.17	bb
5 201125K1_5	400	1.25	NO	50.79	1.000	7.42e6	1.74e6	410	2.4	1.06	bb
6 201125K1_6	1000	1.25	NO	50.79	1.000	1.97e7	1.95e6	971	-2.9	1.01	bb

**Compound name: PCB-188**

Response Factor: 1.14978

RRF SD: 0.0865148, Relative SD: 7.52447

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	0.250	1.03	NO	42.85	1.000	3.84e3	1.26e6	0.266	6.4	1.22	MM
2 201125K1_2	1.00	1.05	NO	42.85	1.000	1.53e4	1.42e6	0.937	-6.3	1.08	bb
3 201125K1_3	2.50	0.96	NO	42.85	1.000	4.11e4	1.52e6	2.35	-5.9	1.08	bb
4 201125K1_4	50.0	1.04	NO	42.85	1.000	8.97e5	1.41e6	55.5	10.9	1.28	bb
5 201125K1_5	400	1.03	NO	42.85	1.000	7.52e6	1.61e6	407	1.7	1.17	bb
6 201125K1_6	1000	1.03	NO	42.87	1.000	1.83e7	1.71e6	932	-6.8	1.07	bb

**Compound name: PCB-184**

Response Factor: 1.13984

RRF SD: 0.122278, Relative SD: 10.7276

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	0.250	0.96	NO	43.32	1.012	4.09e3	1.26e6	0.286	14.2	1.30	MM
2 201125K1_2	1.00	1.08	NO	43.31	1.011	1.50e4	1.42e6	0.928	-7.2	1.06	bb
3 201125K1_3	2.50	1.10	NO	43.31	1.011	4.14e4	1.52e6	2.39	-4.2	1.09	bb
4 201125K1_4	50.0	1.04	NO	43.32	1.012	9.01e5	1.41e6	56.2	12.5	1.28	bb
5 201125K1_5	400	1.04	NO	43.32	1.012	7.06e6	1.61e6	385	-3.7	1.10	bb
6 201125K1_6	1000	1.03	NO	43.34	1.012	1.73e7	1.71e6	885	-11.5	1.01	bb



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**Compound name: PCB-179**

Response Factor: 1.0746

RRF SD: 0.121782, Relative SD: 11.3327

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.11	NO	44.12	1.030	2.97e3	1.26e6	0.220	-12.0	0.945	bb
2	201125K1_2	1.00	0.93	NO	44.12	1.030	1.49e4	1.42e6	0.979	-2.1	1.05	bb
3	201125K1_3	2.50	1.07	NO	44.12	1.030	3.91e4	1.52e6	2.40	-4.1	1.03	bb
4	201125K1_4	50.0	1.02	NO	44.12	1.030	9.13e5	1.41e6	60.4	20.8	1.30	bb
5	201125K1_5	400	1.05	NO	44.12	1.030	7.14e6	1.61e6	413	3.2	1.11	bb
6	201125K1_6	1000	1.05	NO	44.14	1.030	1.73e7	1.71e6	943	-5.7	1.01	bb

**Compound name: PCB-176**

Response Factor: 1.11287

RRF SD: 0.0852407, Relative SD: 7.65954

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.93	NO	44.59	1.041	3.46e3	1.26e6	0.248	-0.8	1.10	MM
2	201125K1_2	1.00	1.09	NO	44.59	1.041	1.55e4	1.42e6	0.980	-2.0	1.09	bb
3	201125K1_3	2.50	1.06	NO	44.59	1.041	4.06e4	1.52e6	2.41	-3.8	1.07	bb
4	201125K1_4	50.0	1.02	NO	44.59	1.041	8.91e5	1.41e6	57.0	13.9	1.27	bb
5	201125K1_5	400	1.05	NO	44.59	1.041	7.27e6	1.61e6	406	1.5	1.13	bb
6	201125K1_6	1000	1.03	NO	44.61	1.041	1.74e7	1.71e6	912	-8.8	1.01	bb

**Compound name: PCB-186**

Response Factor: 1.2312

RRF SD: 0.107186, Relative SD: 8.7058

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.17	NO	45.24	1.056	3.64e3	1.26e6	0.236	-5.7	1.16	db
2	201125K1_2	1.00	1.06	NO	45.22	1.056	1.73e4	1.42e6	0.993	-0.7	1.22	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-186**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.02	NO	45.22	1.056	4.66e4	1.52e6	2.49	-0.3	1.23	bb
4	201125K1_4	50.0	1.03	NO	45.22	1.056	1.00e6	1.41e6	58.0	16.1	1.43	bb
5	201125K1_5	400	1.04	NO	45.22	1.056	7.93e6	1.61e6	400	0.0	1.23	bb
6	201125K1_6	1000	1.04	NO	45.24	1.056	1.91e7	1.71e6	907	-9.3	1.12	bb

**Compound name: PCB-178**

Response Factor: 0.830122  
 RRF SD: 0.0681517, Relative SD: 8.20984  
 Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.04	NO	45.75	1.068	2.58e3	1.26e6	0.247	-1.0	0.822	MM
2	201125K1_2	1.00	1.06	NO	45.73	1.068	1.22e4	1.42e6	1.03	3.2	0.857	bb
3	201125K1_3	2.50	1.01	NO	45.73	1.068	2.93e4	1.52e6	2.32	-7.0	0.772	bb
4	201125K1_4	50.0	1.03	NO	45.73	1.068	6.66e5	1.41e6	57.1	14.1	0.947	bb
5	201125K1_5	400	1.03	NO	45.73	1.068	5.32e6	1.61e6	398	-0.5	0.826	bb
6	201125K1_6	1000	1.03	NO	45.75	1.068	1.30e7	1.71e6	912	-8.8	0.757	bb

**Compound name: PCB-175**

Response Factor: 0.852865  
 RRF SD: 0.0676445, Relative SD: 7.93145  
 Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.92	NO	46.09	1.076	2.83e3	1.26e6	0.265	5.8	0.902	bd
2	201125K1_2	1.00	1.02	NO	46.09	1.076	1.16e4	1.42e6	0.956	-4.4	0.815	bd
3	201125K1_3	2.50	0.98	NO	46.09	1.076	3.04e4	1.52e6	2.35	-6.1	0.801	bd
4	201125K1_4	50.0	1.06	NO	46.09	1.076	6.72e5	1.41e6	56.0	12.1	0.956	bd
5	201125K1_5	400	1.02	NO	46.09	1.076	5.56e6	1.61e6	405	1.4	0.865	bd
6	201125K1_6	1000	1.04	NO	46.11	1.076	1.33e7	1.71e6	913	-8.7	0.778	bd

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-182/187**

Response Factor: 0.94182

RRF SD: 0.0798673, Relative SD: 8.4801

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.00	NO	46.30	1.081	5.97e3	1.26e6	0.505	1.0	0.951	db
2	201125K1_2	2.00	1.12	NO	46.26	1.080	2.49e4	1.42e6	1.86	-6.9	0.877	db
3	201125K1_3	5.00	1.08	NO	46.28	1.081	6.61e4	1.52e6	4.63	-7.5	0.871	db
4	201125K1_4	100	1.04	NO	46.28	1.081	1.52e6	1.41e6	115	14.9	1.08	db
5	201125K1_5	800	1.04	NO	46.28	1.081	1.25e7	1.61e6	826	3.3	0.973	db
6	201125K1_6	2000	1.03	NO	46.30	1.081	3.07e7	1.71e6	1900	-4.8	0.896	db

**Compound name: PCB-183**

Response Factor: 0.910092

RRF SD: 0.0770699, Relative SD: 8.46836

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.13	NO	46.60	1.088	2.95e3	1.26e6	0.258	3.1	0.939	MM
2	201125K1_2	1.00	0.99	NO	46.60	1.088	1.23e4	1.42e6	0.949	-5.1	0.864	bb
3	201125K1_3	2.50	1.08	NO	46.60	1.088	3.19e4	1.52e6	2.31	-7.6	0.841	bb
4	201125K1_4	50.0	1.04	NO	46.60	1.088	7.34e5	1.41e6	57.3	14.7	1.04	bb
5	201125K1_5	400	1.03	NO	46.60	1.088	5.96e6	1.61e6	407	1.7	0.926	bb
6	201125K1_6	1000	1.05	NO	46.62	1.088	1.45e7	1.71e6	931	-6.9	0.848	bb

**Compound name: PCB-185**

Response Factor: 1.23838

RRF SD: 0.113934, Relative SD: 9.2002

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.94	NO	47.28	0.955	2.28e3	8.18e5	0.225	-10.1	1.11	bb
2	201125K1_2	1.00	1.01	NO	47.28	0.955	1.15e4	9.17e5	1.01	1.3	1.25	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-185**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.05	NO	47.28	0.955	2.90e4	1.02e6	2.30	-7.9	1.14	bb
4	201125K1_4	50.0	1.03	NO	47.28	0.955	6.65e5	9.31e5	57.6	15.2	1.43	bb
5	201125K1_5	400	1.05	NO	47.28	0.955	5.32e6	1.03e6	416	4.1	1.29	bb
6	201125K1_6	1000	1.05	NO	47.30	0.955	1.32e7	1.10e6	973	-2.7	1.21	bb

**Compound name: PCB-174**

Response Factor: 1.19822

RRF SD: 0.127974, Relative SD: 10.6803

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.06	NO	47.66	0.962	2.71e3	8.18e5	0.277	10.8	1.33	MM
2	201125K1_2	1.00	1.05	NO	47.66	0.962	1.03e4	9.17e5	0.939	-6.1	1.13	bd
3	201125K1_3	2.50	0.99	NO	47.64	0.962	2.63e4	1.02e6	2.16	-13.7	1.03	bd
4	201125K1_4	50.0	1.01	NO	47.66	0.962	6.21e5	9.31e5	55.6	11.2	1.33	bd
5	201125K1_5	400	1.02	NO	47.66	0.962	5.24e6	1.03e6	424	6.0	1.27	bd
6	201125K1_6	1000	1.03	NO	47.66	0.962	1.21e7	1.10e6	918	-8.2	1.10	bd

**Compound name: PCB-181**

Response Factor: 1.32963

RRF SD: 0.12544, Relative SD: 9.43425

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.12	NO	47.78	0.964	2.56e3	8.18e5	0.235	-6.0	1.25	MM
2	201125K1_2	1.00	1.07	NO	47.76	0.964	1.20e4	9.17e5	0.983	-1.7	1.31	dd
3	201125K1_3	2.50	0.97	NO	47.76	0.964	3.07e4	1.02e6	2.27	-9.0	1.21	dd
4	201125K1_4	50.0	1.04	NO	47.76	0.964	7.30e5	9.31e5	58.9	17.9	1.57	dd
5	201125K1_5	400	1.01	NO	47.76	0.964	5.38e6	1.03e6	392	-2.1	1.30	dd
6	201125K1_6	1000	1.02	NO	47.78	0.964	1.47e7	1.10e6	1010	0.9	1.34	dd

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-177**

Response Factor: 1.14129

RRF SD: 0.0993816, Relative SD: 8.70783

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.04	NO	47.95	0.968	2.20e3	8.18e5	0.236	-5.6	1.08	MM
2	201125K1_2	1.00	0.99	NO	47.93	0.967	1.08e4	9.17e5	1.03	3.1	1.18	db
3	201125K1_3	2.50	0.98	NO	47.93	0.967	2.62e4	1.02e6	2.25	-9.8	1.03	db
4	201125K1_4	50.0	1.01	NO	47.93	0.967	6.11e5	9.31e5	57.5	15.0	1.31	db
5	201125K1_5	400	1.00	NO	47.95	0.968	4.78e6	1.03e6	405	1.3	1.16	db
6	201125K1_6	1000	1.03	NO	47.95	0.967	1.20e7	1.10e6	960	-4.0	1.10	db

**Compound name: PCB-171**

Response Factor: 1.2176

RRF SD: 0.111823, Relative SD: 9.18391

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.05	NO	48.25	0.974	2.76e3	8.18e5	0.277	10.9	1.35	MM
2	201125K1_2	1.00	1.07	NO	48.23	0.974	1.03e4	9.17e5	0.927	-7.3	1.13	bd
3	201125K1_3	2.50	1.09	NO	48.23	0.974	2.74e4	1.02e6	2.21	-11.5	1.08	bd
4	201125K1_4	50.0	1.02	NO	48.23	0.974	6.25e5	9.31e5	55.1	10.2	1.34	bd
5	201125K1_5	400	1.03	NO	48.25	0.974	5.09e6	1.03e6	405	1.2	1.23	bd
6	201125K1_6	1000	1.04	NO	48.25	0.974	1.29e7	1.10e6	966	-3.4	1.18	bd

**Compound name: PCB-173**

Response Factor: 1.06761

RRF SD: 0.0813238, Relative SD: 7.61737

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.15	NO	48.69	0.983	1.98e3	8.18e5	0.227	-9.2	0.969	MM
2	201125K1_2	1.00	1.05	NO	48.67	0.982	9.72e3	9.17e5	0.993	-0.7	1.06	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-173**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.01	NO	48.67	0.982	2.62e4	1.02e6	2.41	-3.5	1.03	db
4	201125K1_4	50.0	1.03	NO	48.67	0.982	5.64e5	9.31e5	56.8	13.5	1.21	db
5	201125K1_5	400	1.04	NO	48.69	0.983	4.50e6	1.03e6	409	2.2	1.09	bb
6	201125K1_6	1000	1.02	NO	48.69	0.982	1.15e7	1.10e6	978	-2.2	1.04	bb

**Compound name: PCB-172**

Response Factor: 1.2571

RRF SD: 0.0971729, Relative SD: 7.72991

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.06	NO	49.16	0.992	2.66e3	8.18e5	0.259	3.6	1.30	MM
2	201125K1_2	1.00	0.94	NO	49.14	0.992	1.09e4	9.17e5	0.942	-5.8	1.18	bd
3	201125K1_3	2.50	0.99	NO	49.14	0.992	2.86e4	1.02e6	2.24	-10.3	1.13	dd
4	201125K1_4	50.0	1.04	NO	49.14	0.992	6.54e5	9.31e5	55.9	11.8	1.41	dd
5	201125K1_5	400	1.03	NO	49.14	0.992	5.31e6	1.03e6	409	2.2	1.29	MM
6	201125K1_6	1000	1.02	NO	49.16	0.992	1.36e7	1.10e6	984	-1.6	1.24	dd

**Compound name: PCB-192**

Response Factor: 1.61387

RRF SD: 0.133594, Relative SD: 8.27787

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.18	NO	49.35	0.996	3.48e3	8.18e5	0.264	5.5	1.70	MM
2	201125K1_2	1.00	1.05	NO	49.35	0.996	1.40e4	9.17e5	0.948	-5.2	1.53	dd
3	201125K1_3	2.50	1.00	NO	49.35	0.996	3.61e4	1.02e6	2.20	-12.0	1.42	dd
4	201125K1_4	50.0	1.06	NO	49.33	0.996	8.41e5	9.31e5	55.9	11.8	1.80	dd
5	201125K1_5	400	1.01	NO	49.35	0.996	6.70e6	1.03e6	402	0.5	1.62	MM
6	201125K1_6	1000	1.04	NO	49.35	0.996	1.76e7	1.10e6	994	-0.6	1.60	dd

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-180**

Response Factor: 1.30127  
 RRF SD: 0.108671, Relative SD: 8.35116  
 Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.95	NO	49.56	1.000	2.90e3	8.18e5	0.273	9.1	1.42	MM
2	201125K1_2	1.00	1.01	NO	49.56	1.000	1.17e4	9.17e5	0.979	-2.1	1.27	dd
3	201125K1_3	2.50	1.04	NO	49.56	1.000	2.90e4	1.02e6	2.19	-12.2	1.14	dd
4	201125K1_4	50.0	1.03	NO	49.56	1.000	6.64e5	9.31e5	54.8	9.6	1.43	dd
5	201125K1_5	400	1.03	NO	49.56	1.000	5.39e6	1.03e6	401	0.3	1.31	MM
6	201125K1_6	1000	1.04	NO	49.58	1.000	1.36e7	1.10e6	954	-4.6	1.24	dd

**Compound name: PCB-193**

Response Factor: 1.47149  
 RRF SD: 0.108088, Relative SD: 7.34545  
 Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.98	NO	49.78	1.005	3.17e3	8.18e5	0.264	5.4	1.55	bb
2	201125K1_2	1.00	1.04	NO	49.76	1.005	1.32e4	9.17e5	0.977	-2.3	1.44	db
3	201125K1_3	2.50	1.04	NO	49.76	1.005	3.38e4	1.02e6	2.26	-9.6	1.33	dd
4	201125K1_4	50.0	1.05	NO	49.76	1.005	7.63e5	9.31e5	55.6	11.3	1.64	db
5	201125K1_5	400	1.03	NO	49.76	1.005	6.01e6	1.03e6	396	-1.1	1.46	MM
6	201125K1_6	1000	1.04	NO	49.78	1.005	1.56e7	1.10e6	963	-3.7	1.42	db

**Compound name: PCB-191**

Response Factor: 1.50589  
 RRF SD: 0.103084, Relative SD: 6.84542  
 Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.10	NO	50.05	1.010	3.16e3	8.18e5	0.257	2.6	1.55	bb
2	201125K1_2	1.00	1.10	NO	50.03	1.010	1.34e4	9.17e5	0.971	-2.9	1.46	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-191**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.00	NO	50.03	1.010	3.50e4	1.02e6	2.29	-8.4	1.38	db
4	201125K1_4	50.0	1.05	NO	50.03	1.010	7.83e5	9.31e5	55.9	11.7	1.68	bb
5	201125K1_5	400	1.03	NO	50.03	1.010	6.24e6	1.03e6	401	0.3	1.51	bb
6	201125K1_6	1000	1.02	NO	50.05	1.010	1.60e7	1.10e6	968	-3.2	1.46	bb

**Compound name: PCB-170**

Response Factor: 1.23123  
 RRF SD: 0.140921, Relative SD: 11.4455  
 Response type: Internal Std ( Ref 206 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.04	NO	51.22	1.000	2.62e3	7.25e5	0.294	17.4	1.45	MM
2	201125K1_2	1.00	0.97	NO	51.22	1.000	9.44e3	8.58e5	0.893	-10.7	1.10	bd
3	201125K1_3	2.50	1.08	NO	51.22	1.000	2.52e4	9.23e5	2.22	-11.2	1.09	bd
4	201125K1_4	50.0	1.02	NO	51.22	1.000	5.71e5	8.53e5	54.4	8.7	1.34	bd
5	201125K1_5	400	1.04	NO	51.22	1.000	4.55e6	9.09e5	406	1.6	1.25	bd
6	201125K1_6	1000	1.04	NO	51.24	1.000	1.17e7	1.01e6	942	-5.8	1.16	bd

**Compound name: PCB-190**

Response Factor: 1.60982  
 RRF SD: 0.125108, Relative SD: 7.77152  
 Response type: Internal Std ( Ref 206 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.95	NO	51.43	1.004	2.90e3	7.25e5	0.248	-0.7	1.60	MM
2	201125K1_2	1.00	1.06	NO	51.41	1.004	1.38e4	8.58e5	0.996	-0.4	1.60	db
3	201125K1_3	2.50	1.01	NO	51.41	1.004	3.29e4	9.23e5	2.21	-11.5	1.42	db
4	201125K1_4	50.0	1.02	NO	51.41	1.004	7.67e5	8.53e5	55.9	11.8	1.80	db
5	201125K1_5	400	1.04	NO	51.41	1.004	6.10e6	9.09e5	417	4.2	1.68	db
6	201125K1_6	1000	1.00	NO	51.43	1.004	1.57e7	1.01e6	966	-3.4	1.56	db



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**Compound name: PCB-189**

Response Factor: 1.27206

RRF SD: 0.125093, Relative SD: 9.8339

Response type: Internal Std ( Ref 207 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.95	NO	52.93	1.000	3.26e3	9.40e5	0.273	9.1	1.39	MM
2	201125K1_2	1.00	0.91	NO	52.93	1.000	1.28e4	1.13e6	0.886	-11.4	1.13	MM
3	201125K1_3	2.50	0.99	NO	52.93	1.000	3.40e4	1.18e6	2.26	-9.7	1.15	bd
4	201125K1_4	50.0	1.04	NO	52.93	1.000	7.70e5	1.07e6	56.4	12.7	1.43	bb
5	201125K1_5	400	1.03	NO	52.93	1.000	6.45e6	1.24e6	409	2.3	1.30	bb
6	201125K1_6	1000	1.03	NO	52.95	1.000	1.65e7	1.34e6	969	-3.1	1.23	bb

**Compound name: PCB-202**

Response Factor: 0.99452

RRF SD: 0.0985506, Relative SD: 9.90936

Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.90	NO	48.46	1.000	2.84e3	1.06e6	0.269	7.7	1.07	MM
2	201125K1_2	1.00	0.86	NO	48.44	1.000	1.08e4	1.25e6	0.875	-12.5	0.870	bb
3	201125K1_3	2.50	0.90	NO	48.44	1.000	3.16e4	1.40e6	2.27	-9.2	0.903	bb
4	201125K1_4	50.0	0.89	NO	48.44	1.000	7.08e5	1.26e6	56.3	12.6	1.12	bb
5	201125K1_5	400	0.90	NO	48.46	1.000	5.86e6	1.41e6	419	4.7	1.04	bb
6	201125K1_6	1000	0.90	NO	48.46	1.000	1.48e7	1.54e6	967	-3.3	0.962	bb

**Compound name: PCB-201**

Response Factor: 0.903723

RRF SD: 0.0708146, Relative SD: 7.83588

Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.80	NO	48.95	1.011	2.43e3	1.06e6	0.253	1.2	0.915	MM
2	201125K1_2	1.00	0.82	NO	48.95	1.011	1.07e4	1.25e6	0.953	-4.7	0.861	bd

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**Compound name: PCB-201**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	0.93	NO	48.95	1.011	2.92e4	1.40e6	2.31	-7.8	0.833	bd
4	201125K1_4	50.0	0.90	NO	48.95	1.011	6.53e5	1.26e6	57.1	14.3	1.03	bd
5	201125K1_5	400	0.90	NO	48.95	1.010	5.15e6	1.41e6	405	1.2	0.914	bd
6	201125K1_6	1000	0.89	NO	48.97	1.011	1.33e7	1.54e6	958	-4.2	0.866	bd

**Compound name: PCB-204**

Response Factor: 0.954692  
 RRF SD: 0.0868925, Relative SD: 9.10163  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.99	NO	49.12	1.014	2.48e3	1.06e6	0.245	-2.0	0.936	MM
2	201125K1_2	1.00	0.89	NO	49.10	1.014	1.10e4	1.25e6	0.924	-7.6	0.882	db
3	201125K1_3	2.50	0.88	NO	49.10	1.014	2.98e4	1.40e6	2.23	-10.9	0.851	db
4	201125K1_4	50.0	0.89	NO	49.10	1.014	6.85e5	1.26e6	56.7	13.4	1.08	db
5	201125K1_5	400	0.91	NO	49.12	1.014	5.77e6	1.41e6	429	7.3	1.02	db
6	201125K1_6	1000	0.90	NO	49.12	1.014	1.46e7	1.54e6	997	-0.3	0.952	db

**Compound name: PCB-197**

Response Factor: 0.963848  
 RRF SD: 0.0913517, Relative SD: 9.47782  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.89	NO	49.42	1.020	2.79e3	1.06e6	0.272	9.0	1.05	MM
2	201125K1_2	1.00	0.92	NO	49.42	1.021	1.10e4	1.25e6	0.913	-8.7	0.880	bb
3	201125K1_3	2.50	0.93	NO	49.42	1.021	3.03e4	1.40e6	2.25	-10.1	0.867	bb
4	201125K1_4	50.0	0.90	NO	49.42	1.021	6.87e5	1.26e6	56.4	12.7	1.09	bb
5	201125K1_5	400	0.89	NO	49.42	1.020	5.54e6	1.41e6	408	2.0	0.983	bb
6	201125K1_6	1000	0.89	NO	49.44	1.021	1.41e7	1.54e6	951	-4.9	0.916	bb

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**Compound name: PCB-200**

Response Factor: 0.911134  
 RRF SD: 0.0870136, Relative SD: 9.55004  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.98	NO	50.35	1.039	2.56e3	1.06e6	0.265	6.0	0.966	MM
2	201125K1_2	1.00	0.92	NO	50.35	1.040	1.05e4	1.25e6	0.921	-7.9	0.839	bb
3	201125K1_3	2.50	0.95	NO	50.35	1.040	2.84e4	1.40e6	2.23	-11.0	0.811	bb
4	201125K1_4	50.0	0.90	NO	50.35	1.040	6.59e5	1.26e6	57.2	14.4	1.04	bb
5	201125K1_5	400	0.90	NO	50.37	1.040	5.29e6	1.41e6	412	3.1	0.940	bb
6	201125K1_6	1000	0.90	NO	50.37	1.040	1.34e7	1.54e6	954	-4.6	0.870	bb

**Compound name: PCB-198**

Response Factor: 0.695612  
 RRF SD: 0.0481991, Relative SD: 6.92902  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.77	NO	51.92	1.072	1.84e3	1.06e6	0.249	-0.4	0.693	MM
2	201125K1_2	1.00	0.95	NO	51.91	1.072	8.40e3	1.25e6	0.970	-3.0	0.675	bd
3	201125K1_3	2.50	0.93	NO	51.91	1.072	2.18e4	1.40e6	2.24	-10.5	0.622	bd
4	201125K1_4	50.0	0.90	NO	51.91	1.072	4.85e5	1.26e6	55.1	10.1	0.766	bd
5	201125K1_5	400	0.89	NO	51.91	1.072	4.08e6	1.41e6	416	4.1	0.724	MM
6	201125K1_6	1000	0.89	NO	51.92	1.072	1.06e7	1.54e6	997	-0.3	0.693	bd

**Compound name: PCB-199**

Response Factor: 0.70586  
 RRF SD: 0.0741888, Relative SD: 10.5104  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.93	NO	52.04	1.074	2.05e3	1.06e6	0.274	9.5	0.773	MM
2	201125K1_2	1.00	0.77	NO	52.04	1.075	8.18e3	1.25e6	0.930	-7.0	0.656	db

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**Compound name: PCB-199**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	0.93	NO	52.04	1.075	2.05e4	1.40e6	2.08	-16.8	0.587	db
4	201125K1_4	50.0	0.91	NO	52.04	1.075	4.89e5	1.26e6	54.8	9.7	0.774	db
5	201125K1_5	400	0.90	NO	52.04	1.074	4.21e6	1.41e6	424	6.0	0.748	MM
6	201125K1_6	1000	0.90	NO	52.06	1.075	1.07e7	1.54e6	987	-1.3	0.696	db

**Compound name: PCB-196/203**

Response Factor: 0.754338

RRF SD: 0.0732794, Relative SD: 9.7144

Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	0.99	NO	52.34	1.081	4.37e3	1.06e6	0.546	9.1	0.823	MM
2	201125K1_2	2.00	0.84	NO	52.34	1.081	1.69e4	1.25e6	1.80	-10.1	0.678	bb
3	201125K1_3	5.00	0.89	NO	52.34	1.081	4.54e4	1.40e6	4.30	-14.1	0.648	bb
4	201125K1_4	100	0.91	NO	52.34	1.081	1.02e6	1.26e6	107	7.4	0.810	bb
5	201125K1_5	800	0.90	NO	52.34	1.081	8.94e6	1.41e6	841	5.2	0.793	bb
6	201125K1_6	2000	0.90	NO	52.36	1.081	2.37e7	1.54e6	2050	2.5	0.773	bb

**Compound name: PCB-195**

Response Factor: 0.957294

RRF SD: 0.0838878, Relative SD: 8.76301

Response type: Internal Std ( Ref 209 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.89	NO	53.63	0.983	2.28e3	9.79e5	0.243	-2.7	0.932	MM
2	201125K1_2	1.00	0.89	NO	53.62	0.983	1.01e4	1.16e6	0.912	-8.8	0.873	bb
3	201125K1_3	2.50	0.87	NO	53.63	0.983	2.88e4	1.21e6	2.49	-0.6	0.952	bd
4	201125K1_4	50.0	0.89	NO	53.62	0.983	6.22e5	1.11e6	58.3	16.6	1.12	bd
5	201125K1_5	400	0.90	NO	53.62	0.983	4.91e6	1.28e6	402	0.4	0.961	bd
6	201125K1_6	1000	0.89	NO	53.63	0.983	1.23e7	1.35e6	951	-4.9	0.911	bd

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**Compound name: PCB-194**

Response Factor: 1.06072

RRF SD: 0.126126, Relative SD: 11.8905

Response type: Internal Std ( Ref 209 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.94	NO	54.55	1.000	3.08e3	9.79e5	0.296	18.5	1.26	MM
2	201125K1_2	1.00	0.88	NO	54.52	1.000	1.13e4	1.16e6	0.918	-8.2	0.974	bb
3	201125K1_3	2.50	0.89	NO	54.55	1.000	2.83e4	1.21e6	2.20	-12.0	0.934	bb
4	201125K1_4	50.0	0.89	NO	54.55	1.000	6.50e5	1.11e6	55.0	10.0	1.17	bb
5	201125K1_5	400	0.92	NO	54.54	1.000	5.38e6	1.28e6	397	-0.8	1.05	bb
6	201125K1_6	1000	0.91	NO	54.57	1.000	1.32e7	1.35e6	925	-7.5	0.982	bb

**Compound name: PCB-205**

Response Factor: 1.2691

RRF SD: 0.10753, Relative SD: 8.47293

Response type: Internal Std ( Ref 209 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.98	NO	54.83	1.005	3.27e3	9.79e5	0.263	5.2	1.34	MM
2	201125K1_2	1.00	0.88	NO	54.80	1.005	1.38e4	1.16e6	0.934	-6.6	1.19	bb
3	201125K1_3	2.50	0.88	NO	54.81	1.005	3.42e4	1.21e6	2.22	-11.0	1.13	bb
4	201125K1_4	50.0	0.90	NO	54.81	1.005	7.92e5	1.11e6	56.0	12.0	1.42	bb
5	201125K1_5	400	0.89	NO	54.80	1.005	6.72e6	1.28e6	414	3.6	1.32	bb
6	201125K1_6	1000	0.90	NO	54.83	1.005	1.66e7	1.35e6	968	-3.2	1.23	bb

**Compound name: PCB-208**

Response Factor: 0.860576

RRF SD: 0.0737664, Relative SD: 8.57175

Response type: Internal Std ( Ref 210 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.49	NO	53.79	1.000	2.49e3	1.14e6	0.253	1.2	0.871	MM
2	201125K1_2	1.00	1.32	NO	53.78	1.000	1.14e4	1.39e6	0.956	-4.4	0.823	bb

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**Compound name: PCB-208**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.37	NO	53.78	1.000	3.03e4	1.58e6	2.22	-11.1	0.765	bb
4	201125K1_4	50.0	1.37	NO	53.78	1.000	6.69e5	1.37e6	56.8	13.7	0.978	bb
5	201125K1_5	400	1.36	NO	53.78	1.000	5.48e6	1.52e6	418	4.5	0.899	bb
6	201125K1_6	1000	1.36	NO	53.79	1.000	1.36e7	1.64e6	961	-3.9	0.827	bb

**Compound name: PCB-207**

Response Factor: 0.849344

RRF SD: 0.101202, Relative SD: 11.9153

Response type: Internal Std ( Ref 210 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.29	NO	54.13	1.007	2.65e3	1.14e6	0.273	9.0	0.926	MM
2	201125K1_2	1.00	1.40	NO	54.10	1.006	1.05e4	1.39e6	0.891	-10.9	0.757	bb
3	201125K1_3	2.50	1.34	NO	54.11	1.007	2.82e4	1.58e6	2.10	-16.1	0.712	bb
4	201125K1_4	50.0	1.36	NO	54.11	1.007	6.64e5	1.37e6	57.1	14.3	0.971	bb
5	201125K1_5	400	1.36	NO	54.10	1.006	5.50e6	1.52e6	425	6.3	0.903	bb
6	201125K1_6	1000	1.36	NO	54.13	1.007	1.36e7	1.64e6	974	-2.6	0.828	bb

**Compound name: PCB-206**

Response Factor: 0.95136

RRF SD: 0.10274, Relative SD: 10.7993

Response type: Internal Std ( Ref 211 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.33	NO	56.09	1.000	2.46e3	9.01e5	0.287	14.7	1.09	MM
2	201125K1_2	1.00	1.34	NO	56.07	1.000	8.43e3	9.86e5	0.898	-10.2	0.855	bb
3	201125K1_3	2.50	1.35	NO	56.09	1.000	2.24e4	1.06e6	2.23	-10.8	0.849	bb
4	201125K1_4	50.0	1.35	NO	56.07	1.000	5.21e5	9.90e5	55.3	10.7	1.05	bb
5	201125K1_5	400	1.37	NO	56.07	1.000	4.31e6	1.12e6	405	1.2	0.963	bb
6	201125K1_6	1000	1.34	NO	56.13	1.000	1.04e7	1.16e6	943	-5.7	0.897	bb



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**Compound name: PCB-209**

Response Factor: 0.862661

RRF SD: 0.0997366, Relative SD: 11.5615

Response type: Internal Std ( Ref 212 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.15	NO	57.33	1.000	2.55e3	1.01e6	0.292	16.7	1.01	MM
2	201125K1_2	1.00	1.26	NO	57.33	1.000	8.49e3	1.12e6	0.882	-11.8	0.761	bb
3	201125K1_3	2.50	1.22	NO	57.36	1.000	2.47e4	1.29e6	2.22	-11.1	0.767	bb
4	201125K1_4	50.0	1.17	NO	57.33	1.000	5.46e5	1.16e6	54.7	9.5	0.945	bb
5	201125K1_5	400	1.20	NO	57.32	1.000	4.42e6	1.25e6	409	2.3	0.882	bb
6	201125K1_6	1000	1.18	NO	57.35	1.000	1.15e7	1.41e6	945	-5.5	0.815	bb

**Compound name: 13C-PCB-1**

Response Factor: 0.937053

RRF SD: 0.0505934, Relative SD: 5.39921

Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	3.20	NO	15.42	0.608	2.97e6	3.24e6	97.8	-2.2	0.916	bb
2	201125K1_2	100	3.19	NO	15.42	0.608	3.25e6	3.50e6	99.0	-1.0	0.928	bb
3	201125K1_3	100	3.27	NO	15.42	0.608	3.65e6	3.65e6	107	6.8	1.00	bb
4	201125K1_4	100	3.21	NO	15.42	0.608	3.34e6	3.44e6	104	3.8	0.973	bb
5	201125K1_5	100	3.22	NO	15.41	0.607	3.47e6	3.65e6	101	1.3	0.950	bb
6	201125K1_6	100	3.18	NO	15.44	0.608	3.27e6	3.83e6	91.3	-8.7	0.855	bb

**Compound name: 13C-PCB-3**

Response Factor: 0.933629

RRF SD: 0.0366464, Relative SD: 3.92516

Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	3.19	NO	18.04	0.711	2.95e6	3.24e6	97.5	-2.5	0.911	bb
2	201125K1_2	100	3.15	NO	18.04	0.711	3.20e6	3.50e6	97.8	-2.2	0.913	bb

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**Compound name: 13C-PCB-3**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	100	3.17	NO	18.04	0.711	3.59e6	3.65e6	106	5.6	0.986	bb
4	201125K1_4	100	3.20	NO	18.04	0.711	3.30e6	3.44e6	103	2.8	0.959	bb
5	201125K1_5	100	3.16	NO	18.04	0.711	3.46e6	3.65e6	101	1.4	0.947	bb
6	201125K1_6	100	3.15	NO	18.07	0.711	3.39e6	3.83e6	95.0	-5.0	0.887	bb

**Compound name: 13C-PCB-4**

Response Factor: 0.599302  
 RRF SD: 0.0221993, Relative SD: 3.7042  
 Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.61	NO	19.40	0.765	1.93e6	3.24e6	99.6	-0.4	0.597	bb
2	201125K1_2	100	1.61	NO	19.40	0.765	2.09e6	3.50e6	99.4	-0.6	0.596	bb
3	201125K1_3	100	1.61	NO	19.40	0.765	2.30e6	3.65e6	105	5.3	0.631	bb
4	201125K1_4	100	1.59	NO	19.40	0.765	2.10e6	3.44e6	102	1.8	0.610	bb
5	201125K1_5	100	1.60	NO	19.39	0.764	2.19e6	3.65e6	100	0.1	0.600	bb
6	201125K1_6	100	1.63	NO	19.42	0.765	2.15e6	3.83e6	93.9	-6.1	0.563	bb

**Compound name: 13C-PCB-9**

Response Factor: 0.959668  
 RRF SD: 0.0341837, Relative SD: 3.56204  
 Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.59	NO	21.21	0.836	3.09e6	3.24e6	99.4	-0.6	0.954	bb
2	201125K1_2	100	1.58	NO	21.21	0.836	3.35e6	3.50e6	99.6	-0.4	0.956	bb
3	201125K1_3	100	1.58	NO	21.21	0.836	3.70e6	3.65e6	106	5.9	1.02	bb
4	201125K1_4	100	1.59	NO	21.21	0.836	3.30e6	3.44e6	100	0.1	0.960	bb
5	201125K1_5	100	1.58	NO	21.20	0.836	3.52e6	3.65e6	100	0.4	0.963	bb
6	201125K1_6	100	1.59	NO	21.23	0.836	3.48e6	3.83e6	94.7	-5.3	0.908	bb



Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: 13C-PCB-11**

Response Factor: 0.92918

RRF SD: 0.0274692, Relative SD: 2.95629

Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	100	1.59	NO	24.66	0.972	2.98e6	3.24e6	99.2	-0.8	0.921	bb
2 201125K1_2	100	1.59	NO	24.65	0.971	3.27e6	3.50e6	100	0.3	0.932	bb
3 201125K1_3	100	1.59	NO	24.65	0.971	3.57e6	3.65e6	105	5.4	0.979	bb
4 201125K1_4	100	1.57	NO	24.66	0.972	3.17e6	3.44e6	99.1	-0.9	0.921	bb
5 201125K1_5	100	1.60	NO	24.65	0.971	3.38e6	3.65e6	99.5	-0.5	0.925	bb
6 201125K1_6	100	1.57	NO	24.67	0.972	3.43e6	3.83e6	96.4	-3.6	0.896	bb

**Compound name: 13C-PCB-19**

Response Factor: 0.506448

RRF SD: 0.0212462, Relative SD: 4.19513

Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	100	1.05	NO	23.62	0.931	1.59e6	3.24e6	97.0	-3.0	0.491	bb
2 201125K1_2	100	1.04	NO	23.61	0.930	1.76e6	3.50e6	99.4	-0.6	0.504	bb
3 201125K1_3	100	1.04	NO	23.62	0.931	1.98e6	3.65e6	107	7.0	0.542	bb
4 201125K1_4	100	1.03	NO	23.62	0.931	1.75e6	3.44e6	101	0.8	0.510	bb
5 201125K1_5	100	1.04	NO	23.62	0.931	1.87e6	3.65e6	101	1.0	0.512	bb
6 201125K1_6	100	1.05	NO	23.63	0.930	1.84e6	3.83e6	94.7	-5.3	0.480	bb

**Compound name: 13C-PCB-32**

Response Factor: 0.737965

RRF SD: 0.0285725, Relative SD: 3.8718

Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	100	1.05	NO	26.61	1.049	2.30e6	3.24e6	96.2	-3.8	0.710	bb
2 201125K1_2	100	1.05	NO	26.60	1.048	2.54e6	3.50e6	98.4	-1.6	0.726	bb

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**Compound name: 13C-PCB-32**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	100	1.04	NO	26.60	1.048	2.88e6	3.65e6	107	6.9	0.789	bb
4	201125K1_4	100	1.05	NO	26.60	1.048	2.56e6	3.44e6	101	0.8	0.744	bb
5	201125K1_5	100	1.05	NO	26.60	1.048	2.71e6	3.65e6	101	0.7	0.743	bb
6	201125K1_6	100	1.05	NO	26.62	1.048	2.74e6	3.83e6	96.9	-3.1	0.715	bb

**Compound name: 13C-PCB-28**

Response Factor: 1.05953

RRF SD: 0.0309293, Relative SD: 2.91916

Response type: Internal Std ( Ref 214 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.05	NO	28.61	1.004	2.83e6	2.59e6	103	3.2	1.09	db
2	201125K1_2	100	1.05	NO	28.61	1.004	3.00e6	2.97e6	95.5	-4.5	1.01	db
3	201125K1_3	100	1.03	NO	28.61	1.004	3.35e6	3.08e6	103	2.6	1.09	db
4	201125K1_4	100	1.05	NO	28.61	1.004	2.99e6	2.82e6	100	0.1	1.06	db
5	201125K1_5	100	1.04	NO	28.61	1.004	3.18e6	2.98e6	101	0.7	1.07	db
6	201125K1_6	100	1.06	NO	28.63	1.004	3.23e6	3.12e6	97.8	-2.2	1.04	db

**Compound name: 13C-PCB-37**

Response Factor: 0.978788

RRF SD: 0.0260808, Relative SD: 2.6646

Response type: Internal Std ( Ref 214 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.04	NO	32.61	1.144	2.52e6	2.59e6	99.4	-0.6	0.973	bb
2	201125K1_2	100	1.04	NO	32.60	1.144	2.78e6	2.97e6	95.7	-4.3	0.936	bb
3	201125K1_3	100	1.05	NO	32.59	1.144	3.12e6	3.08e6	103	3.5	1.01	bb
4	201125K1_4	100	1.07	NO	32.59	1.144	2.75e6	2.82e6	99.7	-0.3	0.976	bb
5	201125K1_5	100	1.06	NO	32.59	1.144	2.98e6	2.98e6	102	2.1	0.999	bb
6	201125K1_6	100	1.05	NO	32.61	1.144	3.04e6	3.12e6	99.6	-0.4	0.975	bb

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**Compound name: 13C-PCB-54**

Response Factor: 0.98117

RRF SD: 0.061457, Relative SD: 6.26365

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.79	NO	27.46	0.752	1.95e6	2.00e6	99.1	-0.9	0.973	bb
2	201125K1_2	100	0.79	NO	27.46	0.752	2.18e6	2.22e6	100	0.3	0.984	bb
3	201125K1_3	100	0.79	NO	27.46	0.752	2.44e6	2.24e6	111	11.0	1.09	bb
4	201125K1_4	100	0.79	NO	27.46	0.752	2.18e6	2.23e6	99.3	-0.7	0.975	bb
5	201125K1_5	100	0.79	NO	27.46	0.752	2.30e6	2.37e6	98.7	-1.3	0.968	bb
6	201125K1_6	100	0.81	NO	27.48	0.752	2.31e6	2.58e6	91.5	-8.5	0.898	bb

**Compound name: 13C-PCB-52**

Response Factor: 0.786428

RRF SD: 0.0515253, Relative SD: 6.55181

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.79	NO	31.11	0.852	1.56e6	2.00e6	99.0	-1.0	0.779	bb
2	201125K1_2	100	0.77	NO	31.11	0.852	1.74e6	2.22e6	100	-0.0	0.786	bd
3	201125K1_3	100	0.76	NO	31.11	0.852	1.97e6	2.24e6	112	11.8	0.879	bb
4	201125K1_4	100	0.81	NO	31.11	0.852	1.75e6	2.23e6	99.9	-0.1	0.786	bd
5	201125K1_5	100	0.78	NO	31.11	0.852	1.82e6	2.37e6	97.6	-2.4	0.767	bb
6	201125K1_6	100	0.79	NO	31.12	0.852	1.86e6	2.58e6	91.7	-8.3	0.721	bd

**Compound name: 13C-PCB-47**

Response Factor: 0.832807

RRF SD: 0.0425999, Relative SD: 5.11522

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.80	NO	31.63	0.866	1.64e6	2.00e6	98.2	-1.8	0.818	bb
2	201125K1_2	100	0.78	NO	31.61	0.865	1.86e6	2.22e6	101	0.7	0.838	bb

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**Compound name: 13C-PCB-47**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	100	0.80	NO	31.61	0.865	2.04e6	2.24e6	109	9.3	0.910	bb
4	201125K1_4	100	0.78	NO	31.63	0.866	1.85e6	2.23e6	99.7	-0.3	0.830	bb
5	201125K1_5	100	0.78	NO	31.63	0.866	1.94e6	2.37e6	98.4	-1.6	0.819	bb
6	201125K1_6	100	0.78	NO	31.65	0.866	2.01e6	2.58e6	93.8	-6.2	0.781	bb

**Compound name: 13C-PCB-70**

Response Factor: 0.981197

RRF SD: 0.05236, Relative SD: 5.33634

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.78	NO	35.26	0.965	1.92e6	2.00e6	97.6	-2.4	0.958	bb
2	201125K1_2	100	0.81	NO	35.24	0.965	2.14e6	2.22e6	98.6	-1.4	0.967	bb
3	201125K1_3	100	0.80	NO	35.24	0.965	2.43e6	2.24e6	111	10.6	1.08	bb
4	201125K1_4	100	0.79	NO	35.24	0.965	2.17e6	2.23e6	99.2	-0.8	0.973	bb
5	201125K1_5	100	0.80	NO	35.26	0.965	2.30e6	2.37e6	98.6	-1.4	0.967	bb
6	201125K1_6	100	0.81	NO	35.26	0.965	2.41e6	2.58e6	95.5	-4.5	0.937	bb

**Compound name: 13C-PCB-80**

Response Factor: 1.01385

RRF SD: 0.038379, Relative SD: 3.78548

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.79	NO	35.68	0.977	1.97e6	2.00e6	97.2	-2.8	0.985	bb
2	201125K1_2	100	0.79	NO	35.68	0.977	2.19e6	2.22e6	97.6	-2.4	0.990	bb
3	201125K1_3	100	0.81	NO	35.68	0.977	2.43e6	2.24e6	107	7.3	1.09	bb
4	201125K1_4	100	0.80	NO	35.68	0.977	2.26e6	2.23e6	99.7	-0.3	1.01	bb
5	201125K1_5	100	0.80	NO	35.68	0.977	2.42e6	2.37e6	100	0.4	1.02	bb
6	201125K1_6	100	0.79	NO	35.70	0.977	2.55e6	2.58e6	97.7	-2.3	0.991	bb

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**Compound name: 13C-PCB-81**

Response Factor: 0.994918

RRF SD: 0.0342779, Relative SD: 3.4453

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.79	NO	38.88	1.065	1.93e6	2.00e6	96.6	-3.4	0.961	dd
2	201125K1_2	100	0.78	NO	38.88	1.065	2.18e6	2.22e6	98.9	-1.1	0.984	bb
3	201125K1_3	100	0.78	NO	38.88	1.065	2.37e6	2.24e6	107	6.6	1.06	bb
4	201125K1_4	100	0.78	NO	38.88	1.065	2.18e6	2.23e6	98.4	-1.6	0.979	bd
5	201125K1_5	100	0.81	NO	38.88	1.065	2.34e6	2.37e6	99.0	-1.0	0.985	bd
6	201125K1_6	100	0.80	NO	38.90	1.065	2.57e6	2.58e6	100	0.5	1.00	bd

**Compound name: 13C-PCB-77**

Response Factor: 0.976833

RRF SD: 0.0413891, Relative SD: 4.23707

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.79	NO	39.50	1.082	1.87e6	2.00e6	95.6	-4.4	0.934	bb
2	201125K1_2	100	0.78	NO	39.50	1.082	2.12e6	2.22e6	97.9	-2.1	0.957	bb
3	201125K1_3	100	0.78	NO	39.50	1.082	2.33e6	2.24e6	106	6.4	1.04	bb
4	201125K1_4	100	0.80	NO	39.50	1.082	2.09e6	2.23e6	96.0	-4.0	0.937	bb
5	201125K1_5	100	0.79	NO	39.50	1.082	2.36e6	2.37e6	102	1.7	0.994	bb
6	201125K1_6	100	0.80	NO	39.52	1.082	2.58e6	2.58e6	102	2.4	1.00	bb

**Compound name: 13C-PCB-104**

Response Factor: 1.00439

RRF SD: 0.0835399, Relative SD: 8.3175

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.58	NO	32.30	0.826	1.54e6	1.54e6	100	0.1	1.00	bb
2	201125K1_2	100	1.61	NO	32.30	0.826	1.79e6	1.70e6	105	4.8	1.05	bb



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**Compound name: 13C-PCB-104**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	100	1.58	NO	32.28	0.826	1.98e6	1.78e6	110	10.5	1.11	bb
4	201125K1_4	100	1.59	NO	32.30	0.826	1.80e6	1.74e6	103	3.3	1.04	bb
5	201125K1_5	100	1.59	NO	32.30	0.826	1.87e6	1.97e6	94.5	-5.5	0.950	bb
6	201125K1_6	100	1.57	NO	32.31	0.826	1.89e6	2.16e6	86.9	-13.1	0.872	bb

**Compound name: 13C-PCB-95**

Response Factor: 0.779195  
 RRF SD: 0.0426369, Relative SD: 5.47192  
 Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.60	NO	35.55	0.909	1.18e6	1.54e6	98.9	-1.1	0.771	bb
2	201125K1_2	100	1.59	NO	35.55	0.910	1.35e6	1.70e6	102	2.3	0.797	bb
3	201125K1_3	100	1.60	NO	35.55	0.910	1.50e6	1.78e6	108	7.7	0.839	bb
4	201125K1_4	100	1.58	NO	35.55	0.910	1.39e6	1.74e6	102	2.4	0.798	bb
5	201125K1_5	100	1.58	NO	35.55	0.910	1.49e6	1.97e6	97.2	-2.8	0.757	bb
6	201125K1_6	100	1.61	NO	35.57	0.910	1.54e6	2.16e6	91.6	-8.4	0.714	bb

**Compound name: 13C-PCB-101**

Response Factor: 0.83281  
 RRF SD: 0.0388395, Relative SD: 4.66367  
 Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.61	NO	37.30	0.954	1.26e6	1.54e6	98.8	-1.2	0.823	bb
2	201125K1_2	100	1.60	NO	37.30	0.954	1.46e6	1.70e6	103	3.1	0.858	bb
3	201125K1_3	100	1.60	NO	37.30	0.954	1.59e6	1.78e6	107	6.9	0.890	bb
4	201125K1_4	100	1.61	NO	37.30	0.954	1.46e6	1.74e6	101	0.7	0.838	bb
5	201125K1_5	100	1.59	NO	37.30	0.954	1.59e6	1.97e6	97.1	-2.9	0.809	bb
6	201125K1_6	100	1.60	NO	37.32	0.954	1.69e6	2.16e6	93.5	-6.5	0.779	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: 13C-PCB-97**

Response Factor: 0.679085

RRF SD: 0.0315288, Relative SD: 4.64284

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	100	1.62	NO	38.64	0.988	1.02e6	1.54e6	98.0	-2.0	0.665	bb
2 201125K1_2	100	1.61	NO	38.64	0.989	1.20e6	1.70e6	104	3.6	0.704	bb
3 201125K1_3	100	1.67	NO	38.64	0.989	1.30e6	1.78e6	107	7.0	0.727	bb
4 201125K1_4	100	1.59	NO	38.64	0.989	1.18e6	1.74e6	99.6	-0.4	0.676	bb
5 201125K1_5	100	1.60	NO	38.64	0.989	1.31e6	1.97e6	97.9	-2.1	0.665	bb
6 201125K1_6	100	1.61	NO	38.66	0.989	1.38e6	2.16e6	94.0	-6.0	0.638	bb

**Compound name: 13C-PCB-123**

Response Factor: 0.970059

RRF SD: 0.0431045, Relative SD: 4.44349

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	100	1.59	NO	41.30	1.056	1.49e6	1.54e6	99.9	-0.1	0.969	bd
2 201125K1_2	100	1.63	NO	41.28	1.056	1.73e6	1.70e6	105	4.9	1.02	dd
3 201125K1_3	100	1.57	NO	41.28	1.056	1.81e6	1.78e6	105	4.8	1.02	dd
4 201125K1_4	100	1.60	NO	41.28	1.056	1.69e6	1.74e6	100	0.5	0.975	bd
5 201125K1_5	100	1.60	NO	41.28	1.056	1.83e6	1.97e6	95.9	-4.1	0.930	bd
6 201125K1_6	100	1.55	NO	41.30	1.056	1.98e6	2.16e6	94.1	-5.9	0.913	bd

**Compound name: 13C-PCB-118**

Response Factor: 1.00101

RRF SD: 0.0258967, Relative SD: 2.58705

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	100	1.61	NO	41.49	1.061	1.47e6	1.54e6	95.6	-4.4	0.957	db
2 201125K1_2	100	1.61	NO	41.47	1.061	1.72e6	1.70e6	101	1.2	1.01	db

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**Compound name: 13C-PCB-118**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	100	1.57	NO	41.47	1.061	1.84e6	1.78e6	103	3.1	1.03	db
4	201125K1_4	100	1.61	NO	41.47	1.061	1.72e6	1.74e6	98.7	-1.3	0.988	db
5	201125K1_5	100	1.57	NO	41.47	1.061	1.98e6	1.97e6	100	0.4	1.00	db
6	201125K1_6	100	1.60	NO	41.49	1.061	2.19e6	2.16e6	101	1.1	1.01	db

**Compound name: 13C-PCB-114**

Response Factor: 1.54758  
 RRF SD: 0.0382101, Relative SD: 2.46903  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.58	NO	42.17	0.908	1.68e6	1.09e6	99.9	-0.1	1.55	bb
2	201125K1_2	100	1.59	NO	42.15	0.907	1.94e6	1.26e6	99.3	-0.7	1.54	bb
3	201125K1_3	100	1.58	NO	42.15	0.907	2.05e6	1.27e6	105	4.7	1.62	bb
4	201125K1_4	100	1.61	NO	42.15	0.907	1.86e6	1.23e6	97.3	-2.7	1.51	bd
5	201125K1_5	100	1.58	NO	42.15	0.907	2.05e6	1.34e6	99.3	-0.7	1.54	bb
6	201125K1_6	100	1.57	NO	42.17	0.908	2.23e6	1.45e6	99.6	-0.4	1.54	bb

**Compound name: 13C-PCB-105**

Response Factor: 1.59216  
 RRF SD: 0.0573023, Relative SD: 3.59902  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.59	NO	43.06	0.927	1.79e6	1.09e6	103	3.3	1.65	bb
2	201125K1_2	100	1.60	NO	43.04	0.927	1.95e6	1.26e6	97.1	-2.9	1.55	dd
3	201125K1_3	100	1.61	NO	43.04	0.927	2.12e6	1.27e6	105	5.2	1.67	bd
4	201125K1_4	100	1.55	NO	43.04	0.927	1.88e6	1.23e6	95.9	-4.1	1.53	bd
5	201125K1_5	100	1.63	NO	43.04	0.927	2.10e6	1.34e6	98.7	-1.3	1.57	bd
6	201125K1_6	100	1.58	NO	43.06	0.927	2.30e6	1.45e6	99.9	-0.1	1.59	bd



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**Compound name: 13C-PCB-127**

Response Factor: 1.65806  
 RRF SD: 0.0569631, Relative SD: 3.43554  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.59	NO	43.40	0.934	1.85e6	1.09e6	103	2.9	1.71	bb
2	201125K1_2	100	1.58	NO	43.40	0.934	2.02e6	1.26e6	96.5	-3.5	1.60	db
3	201125K1_3	100	1.60	NO	43.40	0.934	2.21e6	1.27e6	105	5.3	1.75	db
4	201125K1_4	100	1.59	NO	43.40	0.934	2.04e6	1.23e6	99.5	-0.5	1.65	bb
5	201125K1_5	100	1.59	NO	43.40	0.934	2.18e6	1.34e6	98.4	-1.6	1.63	bb
6	201125K1_6	100	1.57	NO	43.42	0.934	2.33e6	1.45e6	97.3	-2.7	1.61	db

**Compound name: 13C-PCB-126**

Response Factor: 1.64515  
 RRF SD: 0.113562, Relative SD: 6.90284  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.57	NO	45.37	0.977	1.64e6	1.09e6	91.5	-8.5	1.51	bb
2	201125K1_2	100	1.57	NO	45.35	0.976	2.19e6	1.26e6	105	5.3	1.73	bb
3	201125K1_3	100	1.59	NO	45.35	0.976	2.30e6	1.27e6	110	10.0	1.81	bb
4	201125K1_4	100	1.56	NO	45.35	0.976	2.06e6	1.23e6	102	1.6	1.67	bb
5	201125K1_5	100	1.59	NO	45.35	0.976	2.10e6	1.34e6	95.6	-4.4	1.57	bb
6	201125K1_6	100	1.57	NO	45.37	0.976	2.28e6	1.45e6	96.0	-4.0	1.58	bb

**Compound name: 13C-PCB-155**

Response Factor: 0.819205  
 RRF SD: 0.0583422, Relative SD: 7.12181  
 Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.33	NO	36.84	0.942	1.22e6	1.54e6	97.3	-2.7	0.797	bd
2	201125K1_2	100	1.30	NO	36.82	0.942	1.44e6	1.70e6	103	3.1	0.845	bb

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**Compound name: 13C-PCB-155**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	100	1.28	NO	36.82	0.942	1.61e6	1.78e6	110	10.4	0.905	bb
4	201125K1_4	100	1.26	NO	36.82	0.942	1.47e6	1.74e6	103	3.1	0.844	bb
5	201125K1_5	100	1.26	NO	36.82	0.942	1.55e6	1.97e6	96.2	-3.8	0.788	bb
6	201125K1_6	100	1.26	NO	36.84	0.942	1.59e6	2.16e6	89.8	-10.2	0.736	bb

**Compound name: 13C-PCB-153**

Response Factor: 1.3128

RRF SD: 0.0601607, Relative SD: 4.58262

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.25	NO	43.23	0.931	1.49e6	1.09e6	104	4.4	1.37	bb
2	201125K1_2	100	1.26	NO	43.21	0.930	1.61e6	1.26e6	97.4	-2.6	1.28	bb
3	201125K1_3	100	1.24	NO	43.21	0.930	1.77e6	1.27e6	106	6.1	1.39	bb
4	201125K1_4	100	1.26	NO	43.21	0.930	1.60e6	1.23e6	98.7	-1.3	1.30	bb
5	201125K1_5	100	1.25	NO	43.21	0.930	1.75e6	1.34e6	99.7	-0.3	1.31	bb
6	201125K1_6	100	1.24	NO	43.23	0.930	1.78e6	1.45e6	93.7	-6.3	1.23	bb

**Compound name: 13C-PCB-141**

Response Factor: 1.08374

RRF SD: 0.0488281, Relative SD: 4.50553

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.27	NO	43.99	0.947	1.18e6	1.09e6	100	0.4	1.09	bb
2	201125K1_2	100	1.25	NO	43.97	0.947	1.35e6	1.26e6	98.6	-1.4	1.07	bb
3	201125K1_3	100	1.30	NO	43.97	0.947	1.47e6	1.27e6	107	7.2	1.16	bb
4	201125K1_4	100	1.24	NO	43.97	0.947	1.36e6	1.23e6	102	1.8	1.10	bb
5	201125K1_5	100	1.25	NO	43.99	0.947	1.43e6	1.34e6	98.4	-1.6	1.07	bb
6	201125K1_6	100	1.24	NO	43.99	0.947	1.47e6	1.45e6	93.6	-6.4	1.01	bb

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**Compound name: 13C-PCB-138**

Response Factor: 1.15246

RRF SD: 0.0246767, Relative SD: 2.14121

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.26	NO	44.86	0.966	1.23e6	1.09e6	98.5	-1.5	1.14	bb
2	201125K1_2	100	1.26	NO	44.84	0.965	1.45e6	1.26e6	99.8	-0.2	1.15	bb
3	201125K1_3	100	1.24	NO	44.84	0.965	1.52e6	1.27e6	104	3.7	1.20	bb
4	201125K1_4	100	1.25	NO	44.84	0.965	1.41e6	1.23e6	99.0	-1.0	1.14	bb
5	201125K1_5	100	1.25	NO	44.84	0.965	1.56e6	1.34e6	101	1.2	1.17	bb
6	201125K1_6	100	1.26	NO	44.86	0.965	1.63e6	1.45e6	97.9	-2.1	1.13	bb

**Compound name: 13C-PCB-159**

Response Factor: 1.39384

RRF SD: 0.0504761, Relative SD: 3.62136

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.25	NO	46.18	0.994	1.44e6	1.09e6	95.2	-4.8	1.33	bd
2	201125K1_2	100	1.27	NO	46.17	0.994	1.77e6	1.26e6	101	0.8	1.40	bd
3	201125K1_3	100	1.24	NO	46.17	0.994	1.88e6	1.27e6	106	6.3	1.48	bd
4	201125K1_4	100	1.26	NO	46.17	0.994	1.71e6	1.23e6	99.6	-0.4	1.39	bd
5	201125K1_5	100	1.28	NO	46.18	0.994	1.85e6	1.34e6	99.4	-0.6	1.39	bd
6	201125K1_6	100	1.26	NO	46.18	0.994	1.99e6	1.45e6	98.7	-1.3	1.38	bd

**Compound name: 13C-PCB-167**

Response Factor: 1.4261

RRF SD: 0.0506788, Relative SD: 3.55367

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.26	NO	46.88	1.009	1.49e6	1.09e6	96.2	-3.8	1.37	bb
2	201125K1_2	100	1.25	NO	46.87	1.009	1.80e6	1.26e6	100	0.1	1.43	bb

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**Compound name: 13C-PCB-167**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	100	1.26	NO	46.87	1.009	1.93e6	1.27e6	107	6.6	1.52	bb
4	201125K1_4	100	1.24	NO	46.87	1.009	1.76e6	1.23e6	99.9	-0.1	1.43	bb
5	201125K1_5	100	1.25	NO	46.88	1.009	1.89e6	1.34e6	99.2	-0.8	1.41	bb
6	201125K1_6	100	1.24	NO	46.88	1.009	2.02e6	1.45e6	97.9	-2.1	1.40	bb

**Compound name: 13C-PCB-156**

Response Factor: 1.33903  
 RRF SD: 0.0482579, Relative SD: 3.60394  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.27	NO	48.21	1.038	1.38e6	1.09e6	94.9	-5.1	1.27	bb
2	201125K1_2	100	1.23	NO	48.21	1.038	1.66e6	1.26e6	98.2	-1.8	1.32	bb
3	201125K1_3	100	1.29	NO	48.21	1.038	1.79e6	1.27e6	106	5.7	1.42	bb
4	201125K1_4	100	1.25	NO	48.19	1.038	1.64e6	1.23e6	99.3	-0.7	1.33	bb
5	201125K1_5	100	1.26	NO	48.21	1.038	1.79e6	1.34e6	100	0.2	1.34	bd
6	201125K1_6	100	1.27	NO	48.23	1.038	1.97e6	1.45e6	102	1.6	1.36	bb

**Compound name: 13C-PCB-157**

Response Factor: 1.35902  
 RRF SD: 0.050097, Relative SD: 3.68626  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.23	NO	48.50	1.044	1.39e6	1.09e6	94.3	-5.7	1.28	bb
2	201125K1_2	100	1.27	NO	48.48	1.044	1.70e6	1.26e6	98.9	-1.1	1.34	bb
3	201125K1_3	100	1.26	NO	48.48	1.044	1.81e6	1.27e6	105	5.3	1.43	bb
4	201125K1_4	100	1.27	NO	48.48	1.044	1.66e6	1.23e6	98.8	-1.2	1.34	bb
5	201125K1_5	100	1.27	NO	48.50	1.044	1.83e6	1.34e6	101	0.5	1.37	db
6	201125K1_6	100	1.25	NO	48.50	1.044	2.01e6	1.45e6	102	2.2	1.39	bb

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**Compound name: 13C-PCB-169**

Response Factor: 1.33191

RRF SD: 0.0409131, Relative SD: 3.07175

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	100	1.26	NO	50.77	1.093	1.40e6	1.09e6	96.7	-3.3	1.29	bb
2 201125K1_2	100	1.26	NO	50.75	1.093	1.68e6	1.26e6	99.8	-0.2	1.33	bb
3 201125K1_3	100	1.27	NO	50.77	1.093	1.78e6	1.27e6	105	5.5	1.40	bb
4 201125K1_4	100	1.29	NO	50.75	1.093	1.63e6	1.23e6	99.0	-1.0	1.32	bb
5 201125K1_5	100	1.22	NO	50.77	1.093	1.74e6	1.34e6	98.0	-2.0	1.31	bb
6 201125K1_6	100	1.26	NO	50.77	1.093	1.95e6	1.45e6	101	1.1	1.35	bb

**Compound name: 13C-PCB-188**

Response Factor: 1.38996

RRF SD: 0.0377155, Relative SD: 2.71342

Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	100	0.46	NO	42.83	0.925	1.26e6	8.77e5	103	3.0	1.43	bb
2 201125K1_2	100	0.45	NO	42.83	0.926	1.42e6	1.02e6	100	0.4	1.40	bb
3 201125K1_3	100	0.45	NO	42.83	0.926	1.52e6	1.06e6	103	3.0	1.43	bb
4 201125K1_4	100	0.46	NO	42.83	0.925	1.41e6	1.03e6	98.0	-2.0	1.36	bb
5 201125K1_5	100	0.46	NO	42.83	0.925	1.61e6	1.17e6	99.4	-0.6	1.38	bb
6 201125K1_6	100	0.46	NO	42.85	0.926	1.71e6	1.28e6	96.2	-3.8	1.34	bb

**Compound name: 13C-PCB-180**

Response Factor: 0.906631

RRF SD: 0.0351626, Relative SD: 3.87838

Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	100	0.47	NO	49.54	1.070	8.18e5	8.77e5	103	2.9	0.932	bd
2 201125K1_2	100	0.46	NO	49.54	1.071	9.17e5	1.02e6	99.5	-0.5	0.902	bb



Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: 13C-PCB-180**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	100	0.45	NO	49.54	1.071	1.02e6	1.06e6	106	5.8	0.959	bb
4	201125K1_4	100	0.45	NO	49.54	1.070	9.31e5	1.03e6	99.5	-0.5	0.902	bd
5	201125K1_5	100	0.46	NO	49.54	1.070	1.03e6	1.17e6	97.7	-2.3	0.886	bd
6	201125K1_6	100	0.46	NO	49.56	1.071	1.10e6	1.28e6	94.7	-5.3	0.858	bd

**Compound name: 13C-PCB-170**

Response Factor: 0.822577

RRF SD: 0.0342242, Relative SD: 4.16061

Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.45	NO	51.21	1.106	7.25e5	8.77e5	100	0.5	0.827	bb
2	201125K1_2	100	0.45	NO	51.21	1.107	8.58e5	1.02e6	103	2.6	0.844	bb
3	201125K1_3	100	0.46	NO	51.21	1.107	9.23e5	1.06e6	106	5.9	0.871	bb
4	201125K1_4	100	0.44	NO	51.21	1.106	8.53e5	1.03e6	100	0.4	0.826	bb
5	201125K1_5	100	0.45	NO	51.21	1.106	9.09e5	1.17e6	94.9	-5.1	0.780	bb
6	201125K1_6	100	0.46	NO	51.22	1.107	1.01e6	1.28e6	95.7	-4.3	0.788	bb

**Compound name: 13C-PCB-189**

Response Factor: 1.07577

RRF SD: 0.0329942, Relative SD: 3.06704

Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.46	NO	52.91	1.143	9.40e5	8.77e5	99.6	-0.4	1.07	bb
2	201125K1_2	100	0.45	NO	52.91	1.144	1.13e6	1.02e6	104	3.8	1.12	bb
3	201125K1_3	100	0.45	NO	52.91	1.144	1.18e6	1.06e6	104	3.7	1.12	bb
4	201125K1_4	100	0.46	NO	52.91	1.143	1.07e6	1.03e6	96.7	-3.3	1.04	bb
5	201125K1_5	100	0.47	NO	52.91	1.143	1.24e6	1.17e6	98.9	-1.1	1.06	bb
6	201125K1_6	100	0.46	NO	52.93	1.144	1.34e6	1.28e6	97.4	-2.6	1.05	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: 13C-PCB-202**

Response Factor: 1.23171

RRF SD: 0.0446575, Relative SD: 3.62564

Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.91	NO	48.44	1.047	1.06e6	8.77e5	98.3	-1.7	1.21	bb
2	201125K1_2	100	0.95	NO	48.42	1.047	1.25e6	1.02e6	99.5	-0.5	1.23	bb
3	201125K1_3	100	0.91	NO	48.42	1.047	1.40e6	1.06e6	107	7.2	1.32	bb
4	201125K1_4	100	0.90	NO	48.42	1.046	1.26e6	1.03e6	99.5	-0.5	1.22	bb
5	201125K1_5	100	0.90	NO	48.44	1.047	1.41e6	1.17e6	98.1	-1.9	1.21	bb
6	201125K1_6	100	0.93	NO	48.44	1.047	1.54e6	1.28e6	97.4	-2.6	1.20	bb

**Compound name: 13C-PCB-194**

Response Factor: 0.709951

RRF SD: 0.0247228, Relative SD: 3.48232

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.91	NO	54.54	0.995	9.79e5	1.44e6	95.8	-4.2	0.680	bb
2	201125K1_2	100	0.90	NO	54.52	0.995	1.16e6	1.63e6	100	0.3	0.712	bb
3	201125K1_3	100	0.91	NO	54.54	0.995	1.21e6	1.62e6	105	5.2	0.747	bb
4	201125K1_4	100	0.90	NO	54.54	0.995	1.11e6	1.54e6	102	1.8	0.723	bb
5	201125K1_5	100	0.91	NO	54.52	0.995	1.28e6	1.79e6	100	0.3	0.712	bb
6	201125K1_6	100	0.90	NO	54.55	0.995	1.35e6	1.97e6	96.5	-3.5	0.685	bb

**Compound name: 13C-PCB-208**

Response Factor: 0.86538

RRF SD: 0.0626855, Relative SD: 7.24369

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.80	NO	53.78	0.981	1.14e6	1.44e6	91.8	-8.2	0.794	bb
2	201125K1_2	100	0.80	NO	53.76	0.981	1.39e6	1.63e6	98.5	-1.5	0.853	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: 13C-PCB-208**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	100	0.79	NO	53.76	0.981	1.58e6	1.62e6	113	12.9	0.977	bb
4	201125K1_4	100	0.79	NO	53.76	0.981	1.37e6	1.54e6	103	2.5	0.887	bb
5	201125K1_5	100	0.79	NO	53.76	0.981	1.52e6	1.79e6	98.2	-1.8	0.849	bb
6	201125K1_6	100	0.78	NO	53.78	0.981	1.64e6	1.97e6	96.1	-3.9	0.832	bb

**Compound name: 13C-PCB-206**

Response Factor: 0.62257

RRF SD: 0.0234903, Relative SD: 3.77312

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.79	NO	56.07	1.023	9.01e5	1.44e6	101	0.5	0.626	bb
2	201125K1_2	100	0.80	NO	56.06	1.023	9.86e5	1.63e6	97.3	-2.7	0.606	bb
3	201125K1_3	100	0.77	NO	56.07	1.023	1.06e6	1.62e6	105	4.6	0.651	bd
4	201125K1_4	100	0.78	NO	56.07	1.023	9.90e5	1.54e6	103	3.1	0.642	bb
5	201125K1_5	100	0.79	NO	56.06	1.023	1.12e6	1.79e6	100	0.2	0.624	bb
6	201125K1_6	100	0.80	NO	56.12	1.024	1.16e6	1.97e6	94.3	-5.7	0.587	bb

**Compound name: 13C-PCB-209**

Response Factor: 0.724727

RRF SD: 0.0408528, Relative SD: 5.63699

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.17	NO	57.32	1.046	1.01e6	1.44e6	97.2	-2.8	0.704	bb
2	201125K1_2	100	1.20	NO	57.32	1.046	1.12e6	1.63e6	94.6	-5.4	0.685	bb
3	201125K1_3	100	1.19	NO	57.35	1.046	1.29e6	1.62e6	110	9.7	0.795	bb
4	201125K1_4	100	1.19	NO	57.32	1.046	1.16e6	1.54e6	103	3.4	0.749	bb
5	201125K1_5	100	1.22	NO	57.30	1.046	1.25e6	1.79e6	96.3	-3.7	0.698	bb
6	201125K1_6	100	1.20	NO	57.33	1.046	1.41e6	1.97e6	98.8	-1.2	0.716	bb



Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: 13C-PCB-15**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.60	NO	25.37	0.000	3.24e6	3.24e6	100	0.0	1.00	bb
2	201125K1_2	100	1.60	NO	25.37	0.000	3.50e6	3.50e6	100	0.0	1.00	bb
3	201125K1_3	100	1.61	NO	25.37	0.000	3.65e6	3.65e6	100	0.0	1.00	bb
4	201125K1_4	100	1.60	NO	25.37	0.000	3.44e6	3.44e6	100	0.0	1.00	bb
5	201125K1_5	100	1.59	NO	25.37	0.000	3.65e6	3.65e6	100	0.0	1.00	bb
6	201125K1_6	100	1.57	NO	25.39	0.000	3.83e6	3.83e6	100	0.0	1.00	bb

**Compound name: 13C-PCB-31**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 214 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.03	NO	28.50	0.000	2.59e6	2.59e6	100	0.0	1.00	bd
2	201125K1_2	100	1.05	NO	28.50	0.000	2.97e6	2.97e6	100	0.0	1.00	bd
3	201125K1_3	100	1.04	NO	28.50	0.000	3.08e6	3.08e6	100	0.0	1.00	bd
4	201125K1_4	100	1.05	NO	28.50	0.000	2.82e6	2.82e6	100	0.0	1.00	bd
5	201125K1_5	100	1.03	NO	28.50	0.000	2.98e6	2.98e6	100	0.0	1.00	bd
6	201125K1_6	100	1.05	NO	28.52	0.000	3.12e6	3.12e6	100	0.0	1.00	bd

**Compound name: 13C-PCB-60**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.80	NO	36.52	0.000	2.00e6	2.00e6	100	0.0	1.00	bb
2	201125K1_2	100	0.79	NO	36.52	0.000	2.22e6	2.22e6	100	0.0	1.00	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: 13C-PCB-60**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	100	0.79	NO	36.52	0.000	2.24e6	2.24e6	100	0.0	1.00	bb
4	201125K1_4	100	0.80	NO	36.52	0.000	2.23e6	2.23e6	100	0.0	1.00	bb
5	201125K1_5	100	0.81	NO	36.52	0.000	2.37e6	2.37e6	100	0.0	1.00	bb
6	201125K1_6	100	0.80	NO	36.54	0.000	2.58e6	2.58e6	100	0.0	1.00	bb

**Compound name: 13C-PCB-111**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.60	NO	39.11	0.000	1.54e6	1.54e6	100	0.0	1.00	bb
2	201125K1_2	100	1.61	NO	39.09	0.000	1.70e6	1.70e6	100	0.0	1.00	bb
3	201125K1_3	100	1.60	NO	39.09	0.000	1.78e6	1.78e6	100	0.0	1.00	bb
4	201125K1_4	100	1.61	NO	39.09	0.000	1.74e6	1.74e6	100	0.0	1.00	bb
5	201125K1_5	100	1.60	NO	39.09	0.000	1.97e6	1.97e6	100	0.0	1.00	bb
6	201125K1_6	100	1.59	NO	39.11	0.000	2.16e6	2.16e6	100	0.0	1.00	bb

**Compound name: 13C-PCB-128**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.28	NO	46.45	0.000	1.09e6	1.09e6	100	0.0	1.00	db
2	201125K1_2	100	1.24	NO	46.45	0.000	1.26e6	1.26e6	100	0.0	1.00	db
3	201125K1_3	100	1.29	NO	46.45	0.000	1.27e6	1.27e6	100	0.0	1.00	db
4	201125K1_4	100	1.26	NO	46.45	0.000	1.23e6	1.23e6	100	0.0	1.00	db
5	201125K1_5	100	1.28	NO	46.45	0.000	1.34e6	1.34e6	100	0.0	1.00	db
6	201125K1_6	100	1.26	NO	46.47	0.000	1.45e6	1.45e6	100	0.0	1.00	db

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: 13C-PCB-182**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.45	NO	46.28	0.000	8.77e5	8.77e5	100	0.0	1.00	bb
2	201125K1_2	100	0.46	NO	46.26	0.000	1.02e6	1.02e6	100	0.0	1.00	bb
3	201125K1_3	100	0.46	NO	46.26	0.000	1.06e6	1.06e6	100	0.0	1.00	bb
4	201125K1_4	100	0.45	NO	46.28	0.000	1.03e6	1.03e6	100	0.0	1.00	bb
5	201125K1_5	100	0.46	NO	46.28	0.000	1.17e6	1.17e6	100	0.0	1.00	bb
6	201125K1_6	100	0.46	NO	46.28	0.000	1.28e6	1.28e6	100	0.0	1.00	bb

**Compound name: 13C-PCB-205**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.92	NO	54.81	0.000	1.44e6	1.44e6	100	0.0	1.00	bb
2	201125K1_2	100	0.92	NO	54.78	0.000	1.63e6	1.63e6	100	0.0	1.00	bb
3	201125K1_3	100	0.90	NO	54.80	0.000	1.62e6	1.62e6	100	0.0	1.00	bb
4	201125K1_4	100	0.89	NO	54.80	0.000	1.54e6	1.54e6	100	0.0	1.00	bb
5	201125K1_5	100	0.91	NO	54.78	0.000	1.79e6	1.79e6	100	0.0	1.00	bb
6	201125K1_6	100	0.90	NO	54.81	0.000	1.97e6	1.97e6	100	0.0	1.00	bb

**Compound name: 13C-PCB-79**

Response Factor: 1.03585

RRF SD: 0.031989, Relative SD: 3.08818

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.77	NO	37.64	1.031	2.04e6	2.00e6	98.2	-1.8	1.02	bb
2	201125K1_2	100	0.78	NO	37.62	1.030	2.29e6	2.22e6	99.6	-0.4	1.03	bb

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**Compound name: 13C-PCB-79**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	100	0.78	NO	37.62	1.030	2.40e6	2.24e6	103	3.4	1.07	bb
4	201125K1_4	100	0.78	NO	37.62	1.030	2.24e6	2.23e6	96.9	-3.1	1.00	bb
5	201125K1_5	100	0.78	NO	37.62	1.030	2.40e6	2.37e6	97.7	-2.3	1.01	bb
6	201125K1_6	100	0.79	NO	37.64	1.030	2.78e6	2.58e6	104	4.2	1.08	bb

**Compound name: 13C-PCB-178**

Response Factor: 0.77438

RRF SD: 0.0207314, Relative SD: 2.67717

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.45	NO	45.73	0.988	8.05e5	1.09e6	95.7	-4.3	0.741	bd
2	201125K1_2	100	0.47	NO	45.71	0.988	9.73e5	1.26e6	99.5	-0.5	0.770	bb
3	201125K1_3	100	0.46	NO	45.71	0.988	1.01e6	1.27e6	103	3.3	0.800	bb
4	201125K1_4	100	0.46	NO	45.71	0.988	9.61e5	1.23e6	101	0.6	0.779	bb
5	201125K1_5	100	0.45	NO	45.71	0.988	1.02e6	1.34e6	98.9	-1.1	0.766	bb
6	201125K1_6	100	0.46	NO	45.73	0.988	1.14e6	1.45e6	102	2.0	0.790	bb

**Compound name: 13C-PCB-79**

Response Factor: 1.03585

RRF SD: 0.031989, Relative SD: 3.08818

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.77	NO	37.64	0.968	2.04e6	1.93e6	102	1.6	1.06	bb
2	201125K1_2	100	0.78	NO	37.62	0.967	2.29e6	2.18e6	101	0.7	1.05	bb
3	201125K1_3	100	0.78	NO	37.62	0.967	2.40e6	2.37e6	97.0	-3.0	1.01	bb
4	201125K1_4	100	0.78	NO	37.62	0.967	2.24e6	2.18e6	98.5	-1.5	1.03	bb
5	201125K1_5	100	0.78	NO	37.62	0.967	2.40e6	2.34e6	98.6	-1.4	1.03	bb
6	201125K1_6	100	0.79	NO	37.64	0.967	2.78e6	2.57e6	104	3.7	1.08	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

Last Altered: Wednesday, November 25, 2020 17:49:42 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:29:32 Pacific Standard Time

**Compound name: 13C-PCB-178**

Response Factor: 0.77438

RRF SD: 0.0207314, Relative SD: 2.67717

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.45	NO	45.73	0.923	8.05e5	8.18e5	96.7	-3.3	0.984	bb
2	201125K1_2	100	0.47	NO	45.71	0.923	9.73e5	9.17e5	104	4.2	1.06	bb
3	201125K1_3	100	0.46	NO	45.71	0.923	1.01e6	1.02e6	98.1	-1.9	0.998	bb
4	201125K1_4	100	0.46	NO	45.71	0.923	9.62e5	9.31e5	101	1.4	1.03	bb
5	201125K1_5	100	0.45	NO	45.71	0.923	1.02e6	1.03e6	97.4	-2.6	0.991	bb
6	201125K1_6	100	0.46	NO	45.73	0.923	1.14e6	1.10e6	102	2.2	1.04	bb

Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:53:28 Pacific Standard Time

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Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

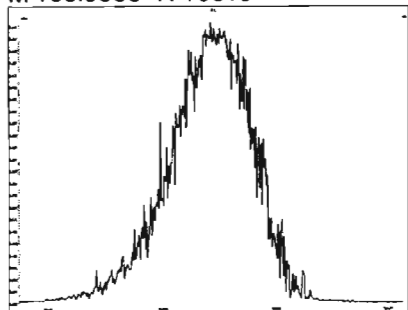
Compound name: PCB-1

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1	201125K1_1	ST201125K1-1 PCB 209 CS0 20J1214	25-Nov-20	09:48:37
2	201125K1_2	ST201125K1-2 PCB 209 CS1 20J1215	25-Nov-20	10:48:14
3	201125K1_3	ST201125K1-3 PCB 209 CS2 20J1216	25-Nov-20	11:48:31
4	201125K1_4	ST201125K1-4 PCB 209 CS3 20J1217	25-Nov-20	12:48:48
5	201125K1_5	ST201125K1-5 PCB 209 CS4 20J1218	25-Nov-20	13:49:04
6	201125K1_6	ST201125K1-6 PCB 209 CS5 20J1219	25-Nov-20	14:49:20
7	201125K1_7	SOLVENT BLANK	25-Nov-20	15:49:32
8	201125K1_8	SS201125K1-1 PCB 209 SS 20J1220	25-Nov-20	16:54:25
9	201125K1_9	SOLVENT BLANK	25-Nov-20	18:01:56
10	201125K1_10	QC201125K1-CRV BLANK	25-Nov-20	19:00:53
11	201125K1_11	ST201125K1-7 PCB 209 CS3 19G2609	25-Nov-20	20:01:08
12	201125K1_12	B0K0086-BS2 OPR 10	25-Nov-20	21:01:22
13	201125K1_13	B0K0086-BS7 OPR 10	25-Nov-20	22:01:41
14	201125K1_14	B0K0062-BS8 OPR 10	25-Nov-20	23:02:01
15	201125K1_15	B0K0062-BS1 OPR 5	26-Nov-20	00:02:21

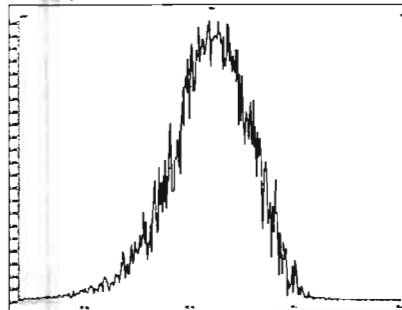
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Printed: Wednesday, November 25, 2020 09:36:09 Pacific Standard Time

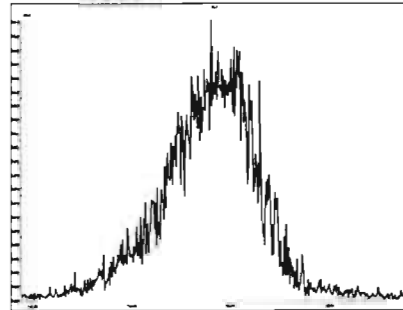
M 168.9888 R 10819



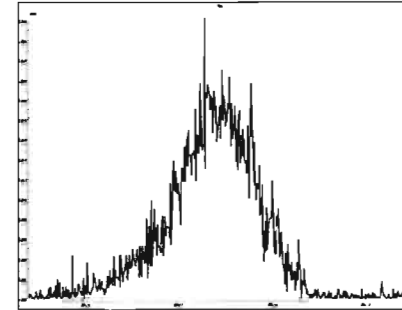
M 180.9888 R 10825



M 192.9888 R 10081



M 204.9888 R 10681



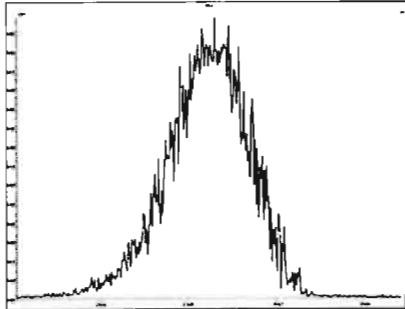
Experiment Calibration Report

MassLynx 4.1 SCN815

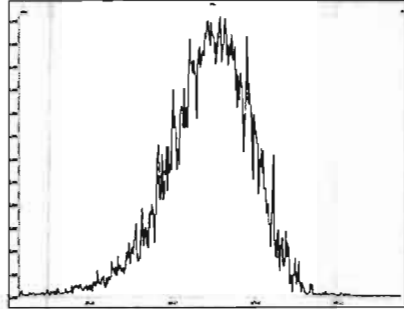
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Printed: Wednesday, November 25, 2020 09:40:26 Pacific Standard Time

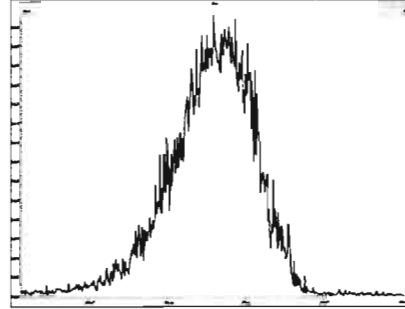
M 218.9856 R 10869



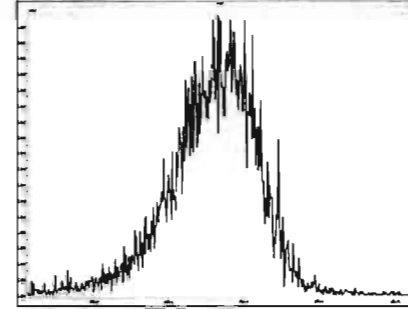
M 230.9856 R 10591



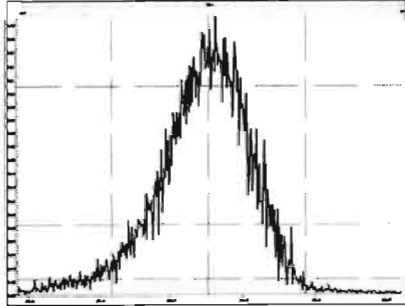
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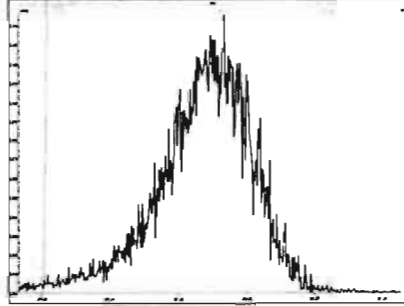
M 254.9856 R 11849



M 268.9824 R 11418



M 280.9824 R 10205





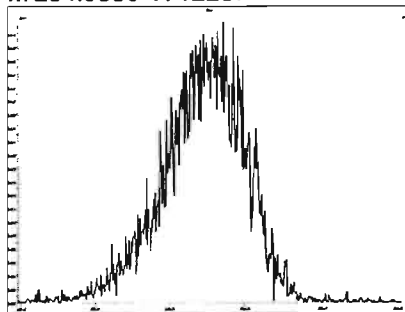
Experiment Calibration Report

MassLynx 4.1 SCN815

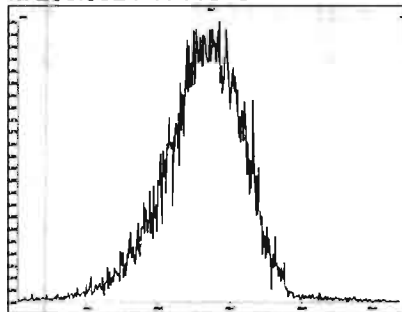
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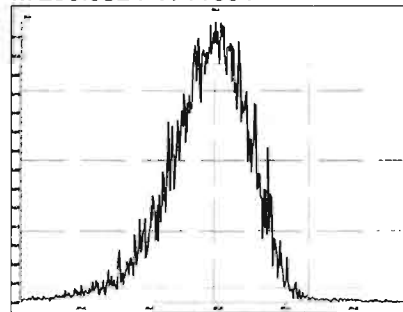
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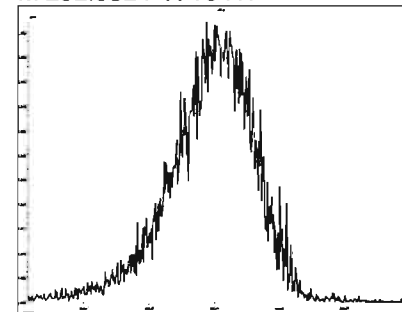
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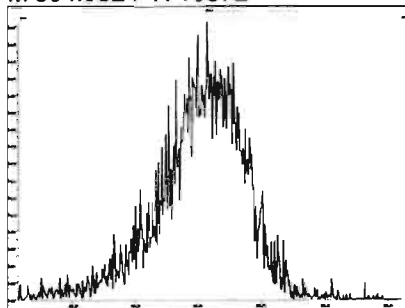
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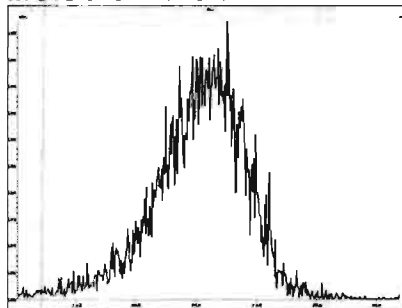
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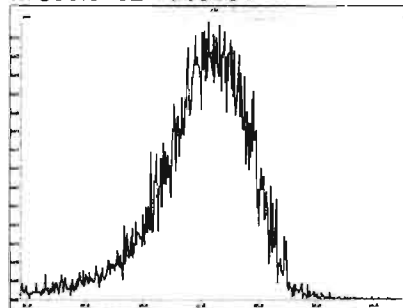
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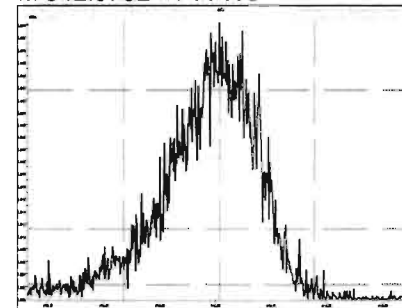
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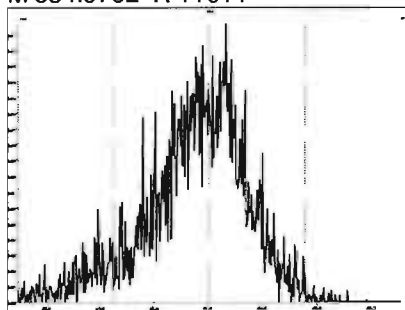
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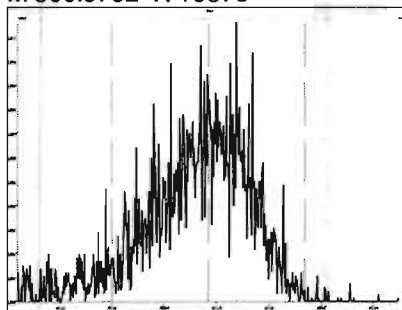
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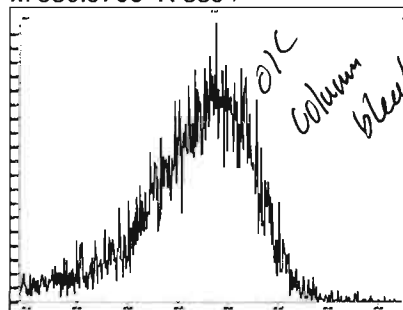
M 354.9792 R 11011



M 366.9792 R 10375



M 380.9760 R 8894



O/C  
column  
bleed

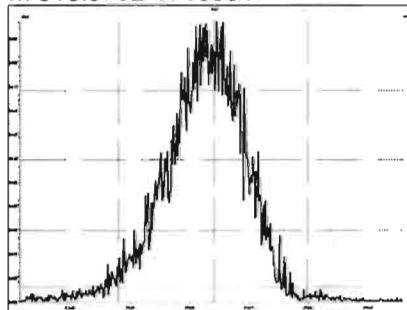
Experiment Calibration Report

MassLynx 4.1 SCN815

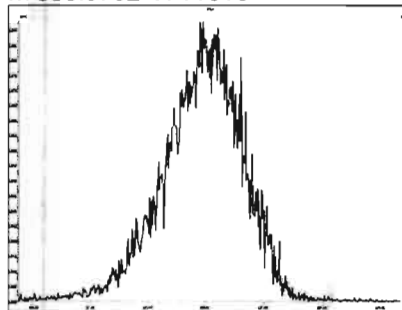
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Printed: Wednesday, November 25, 2020 09:47:06 Pacific Standard Time

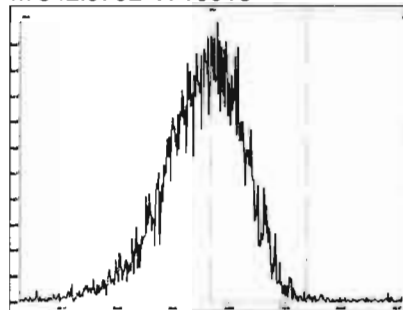
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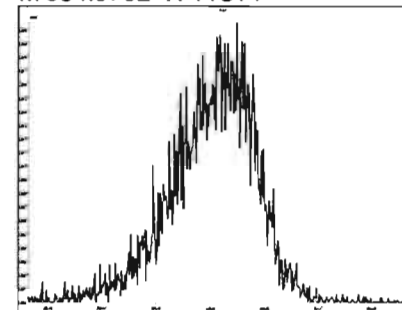
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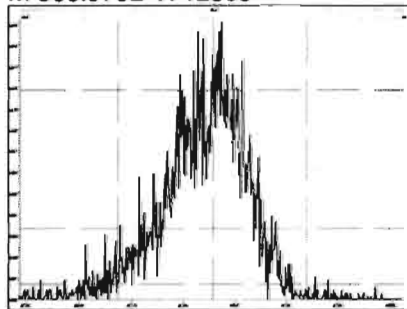
M 342.9792 R 10915



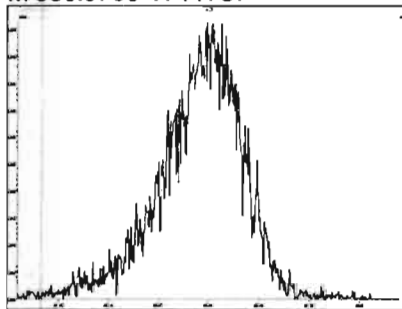
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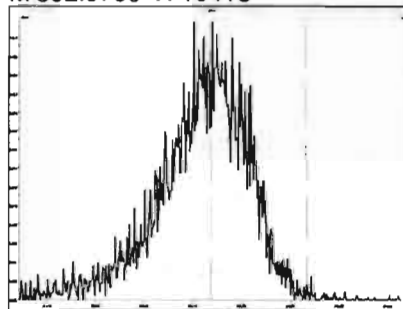
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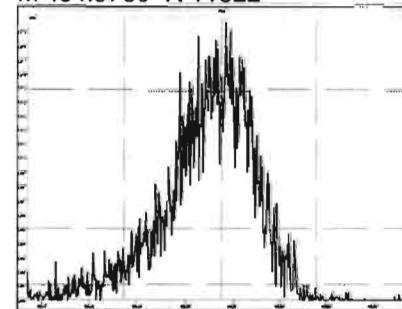
M 380.9760 R 11737



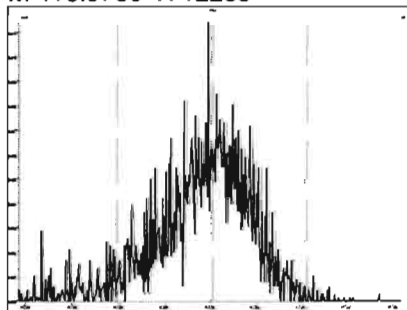
M 392.9760 R 10415



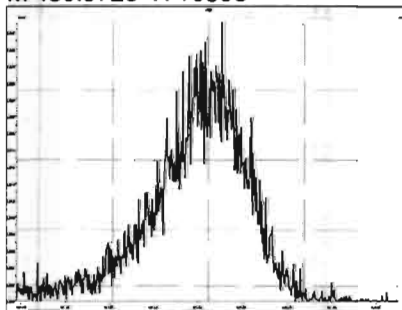
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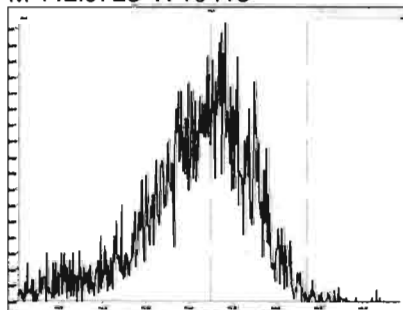
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M 430.9728 R 10593



M 442.9728 R 10415



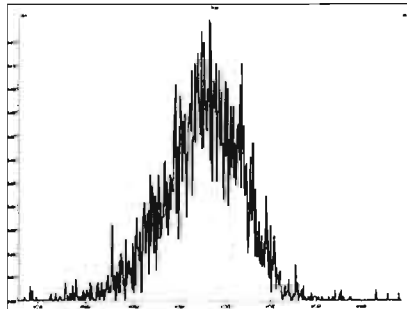
Experiment Calibration Report

MassLynx 4.1 SCN815

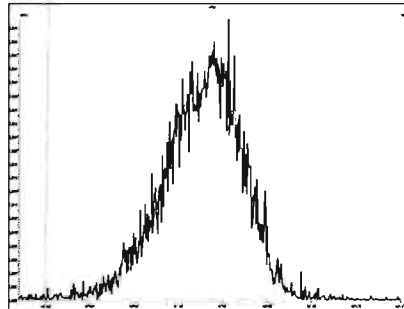
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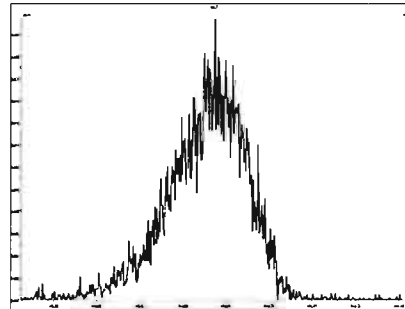
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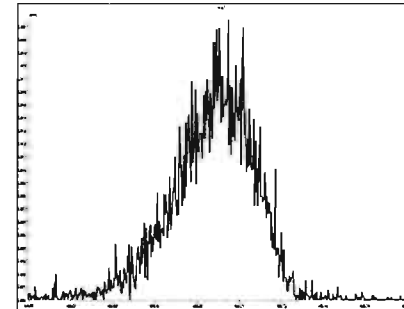
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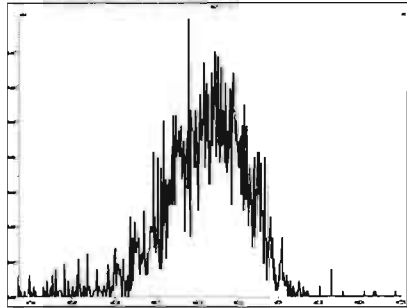
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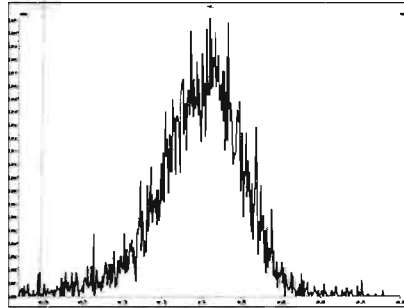
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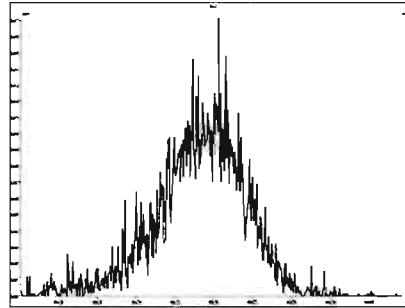
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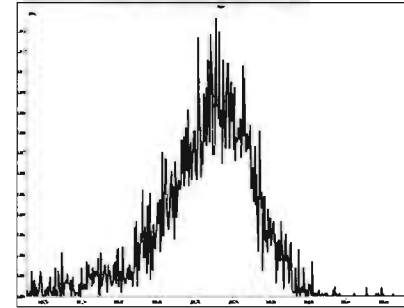
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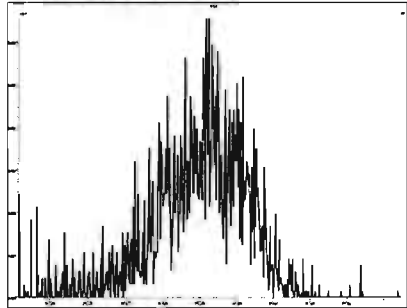
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M 504.9696 R 11209



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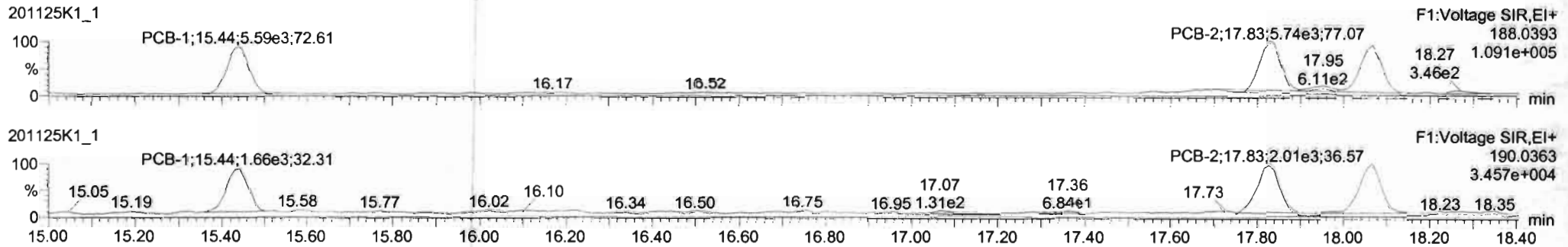
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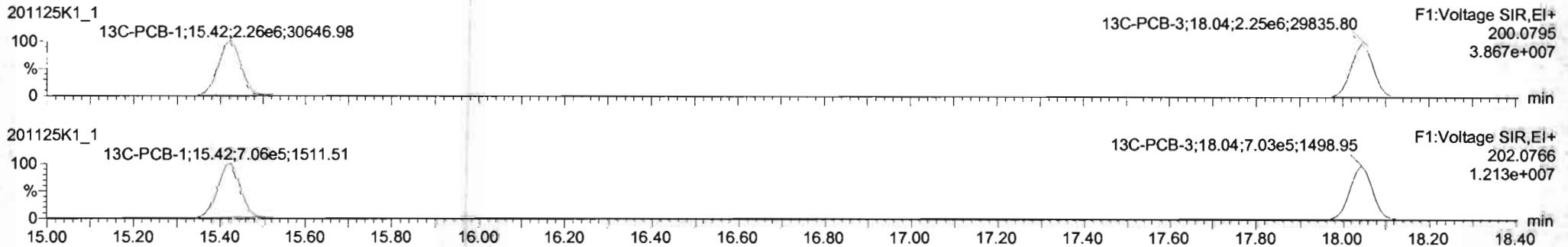
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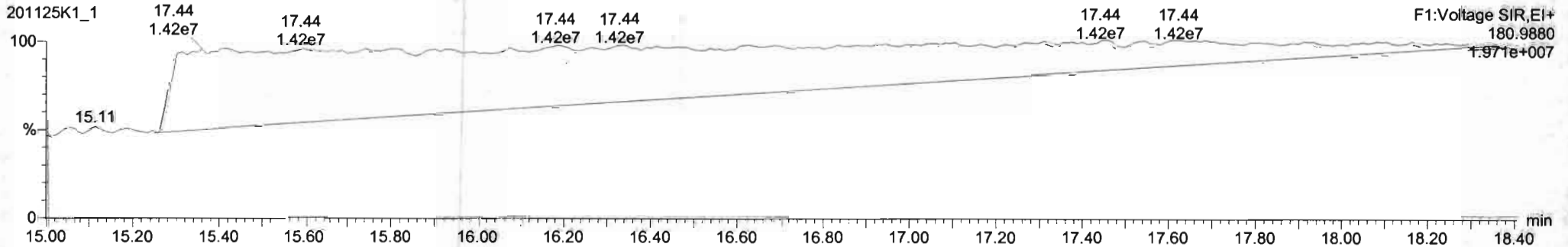
PCB-1



13C-PCB-1

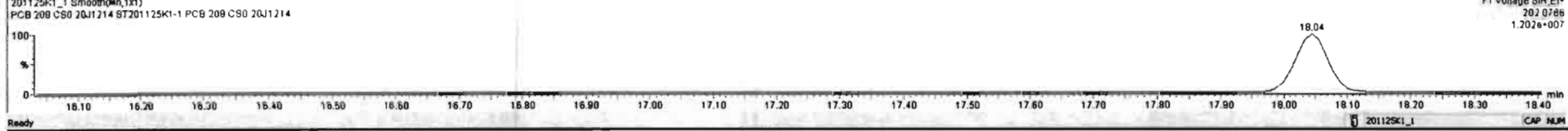
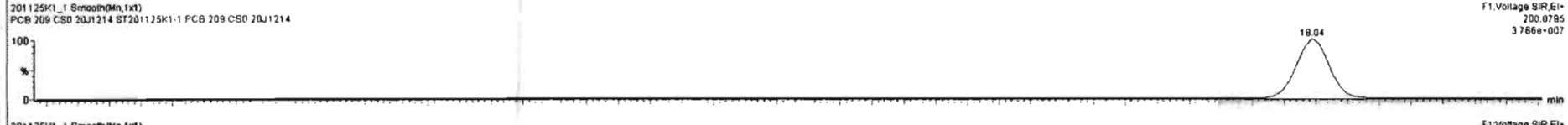
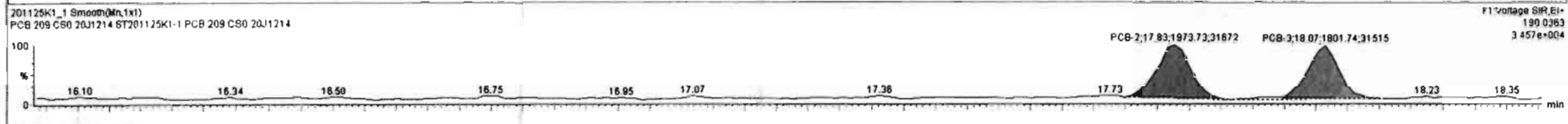
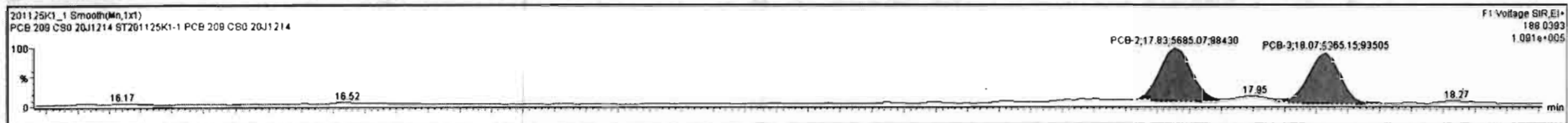


PFK1



#	Name	Resp	RA	n/y	RPF	wtAvol	Pred RT	RT	Pred R	RRT	RRT Fat	Conc.	%Rec	DL	EMPC
221	221 13C-PCB-178	8.05e5	0.45	NO	0.7744	1.000	45.72	45.73	0.988	0.988	NO	95.67	95.7	0.0474	
222	222 13C-PCB-78	2.04e6	0.77	NO	1.0415	1.000	37.83	37.84	0.988	0.988	NO	101.8	102	0.0412	
223	223 13C-PCB-178	8.05e5	0.45	NO	1.0180	1.000	45.71	45.73	0.923	0.923	NO	96.67	96.7	0.0487	
224	224 Total Mono-PCBs				1.0294	1.000	0.00		0.000		NO	0.7448		0.0258	0.7450
225	225 Total Di-PCBs				1.0367	1.000	0.00		0.000		NO	3.084		0.152	3.084
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	2.118		0.0947	2.118
227	227 3rd Function Tri-PCBs				0.9887	1.000	0.00		0.000		NO	4.003		0.161	4.003
228	228 Total Tetra-PCBs				0.9910	1.000	0.00		0.000		NO	10.71		0.559	10.71

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	1 PCB-1	15.43	15.44	5.591e3	1.664e3	3.130	3.38	NO	0.24000	0.24817
2	2 PCB-2	17.83	17.83	5.895e3	1.974e3	3.130	2.88	NO	0.25400	0.25416
3	3 PCB-3	18.06	18.07	5.305e3	1.802e3	3.130	2.98	NO	0.24200	0.24247



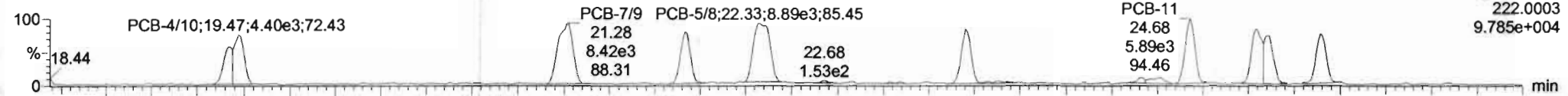
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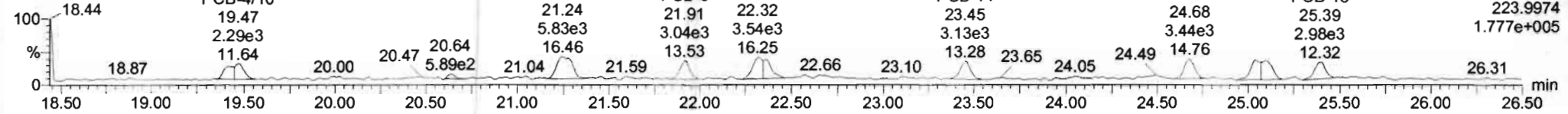
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**PCB-4/10**

201125K1\_1

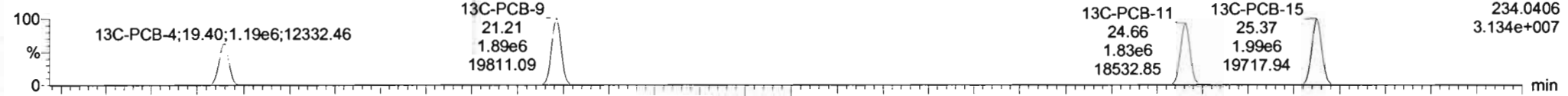


201125K1\_1

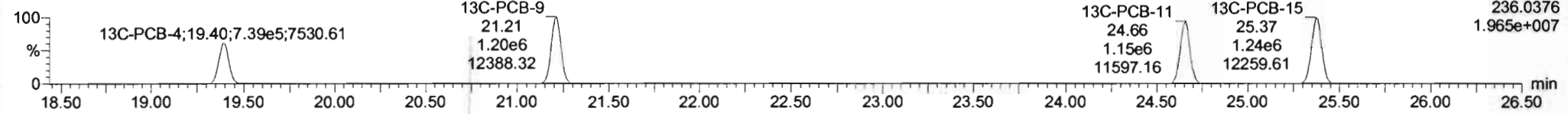


**13C-PCB-4**

201125K1\_1

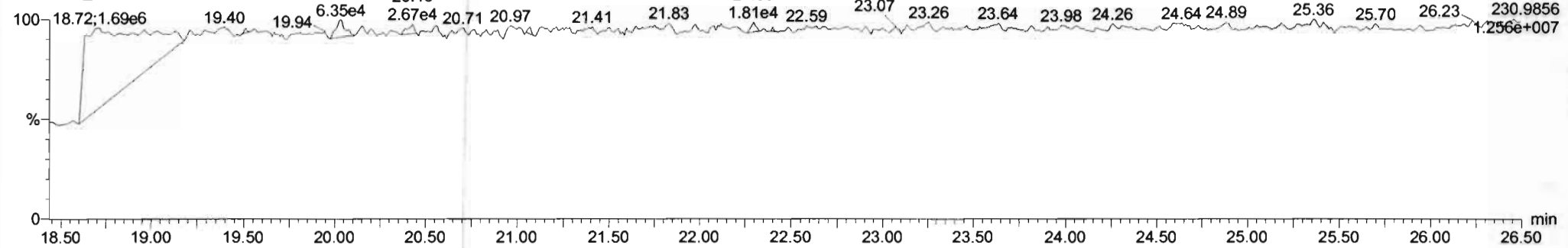


201125K1\_1



**PFK2a**

201125K1\_1





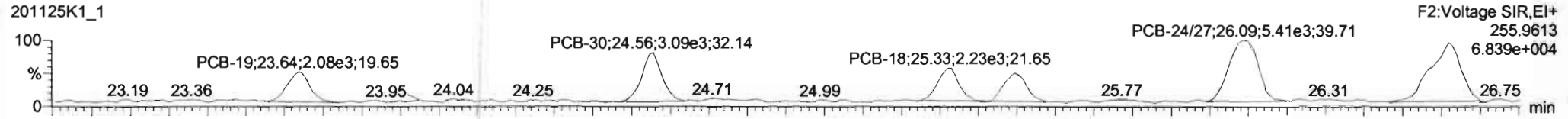
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

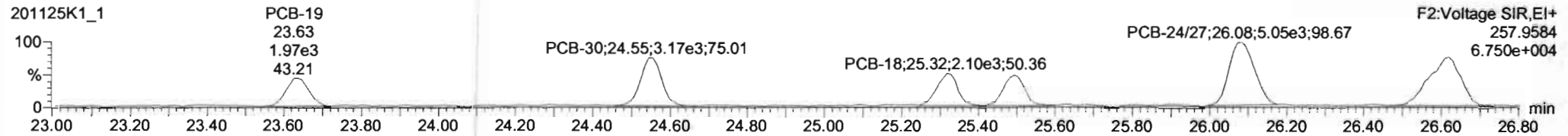
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**PCB-19**

201125K1\_1

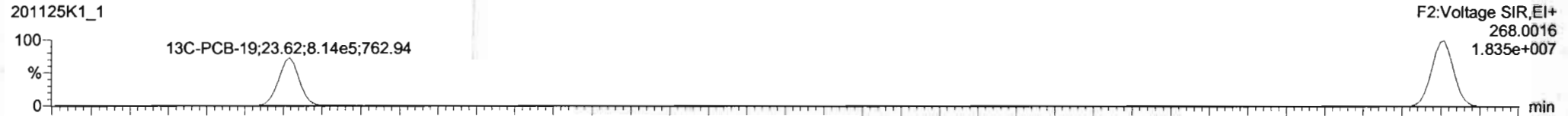


201125K1\_1

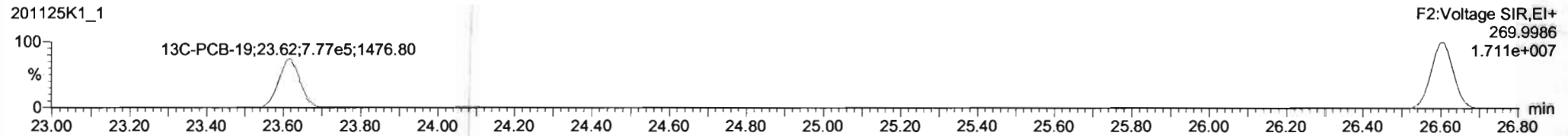


**13C-PCB-19**

201125K1\_1

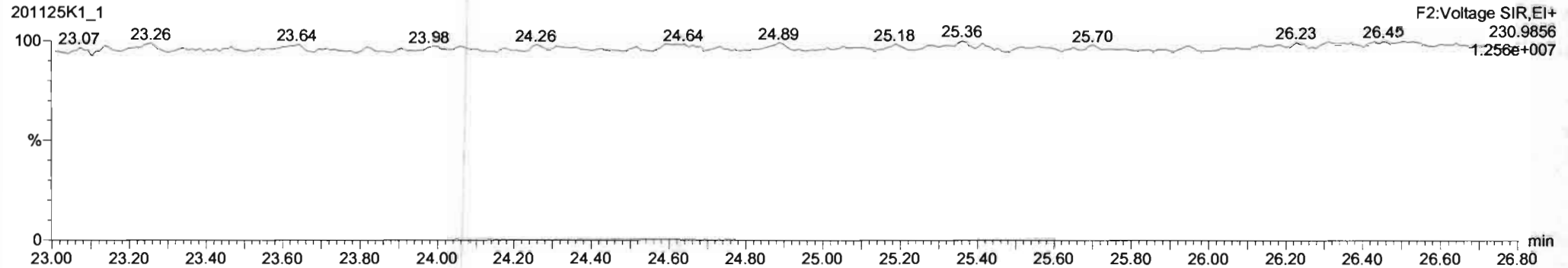


201125K1\_1



**PFK2b**

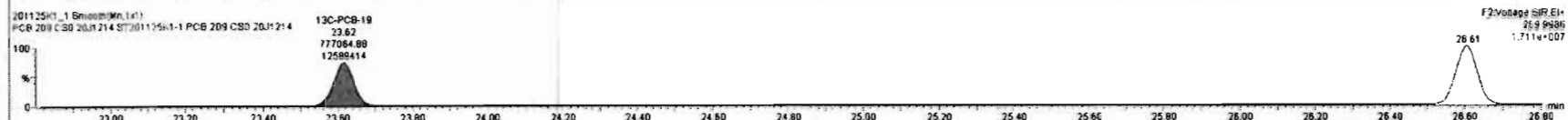
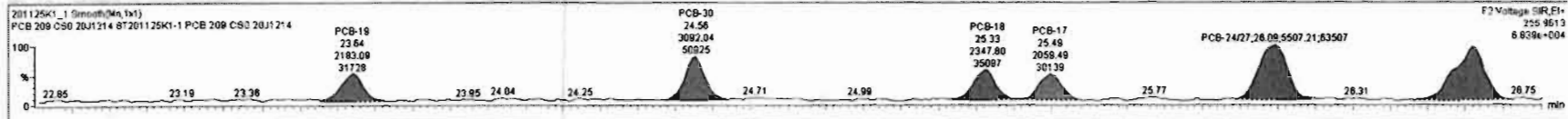
201125K1\_1





#	Name	Resp	RA	nly	RRF	wtAval	Pred RT	RT	Pred R	RTT	RR1 Fnd	Conc.	%Rec	DL	EMPC
221	221 13C-PCB-178	8.05e5	0.45	NO	0.7744	1.000	45.72	45.73	0.988	0.988	NO	95.67	95.7	0.0474	
222	222 13C-PCB-79	2.04e6	0.77	NO	1.0415	1.000	37.83	37.84	0.988	0.988	NO	101.5	102	0.0412	
223	223 13C-PCB-178	8.05e5	0.45	NO	1.0180	1.000	45.71	45.73	0.923	0.923	NO	96.67	96.7	0.0487	
224	224 Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	0.7448		0.0259	0.7450
225	225 Total Di-PCBs				1.0367	1.000	0.00		0.000		NO	3.084		0.152	3.084
226	226 3rd Function Tri-PCBs				1.9434	1.000	0.00		0.000		NO	2.118		0.0947	2.118
227	227 3rd Function Tetra-PCBs				0.9687	1.000	0.00		0.000		NO	4.003		0.161	4.003
228	228 Total Tetra-PCBs				0.9910	1.000	0.00		0.000		NO	10.71		0.558	10.71

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc
1	12 PCB-19	23.85	23.84	2.183e3	1.991e3	1.040	1.10	NO	0.27000	0.26882
2	13 PCB-30	24.58	24.56	3.092e3	3.189e3	1.040	0.98	NO	0.25500	0.25648
3	14 PCB-18	25.33	25.33	2.348e3	2.119e3	1.040	1.11	NO	0.27000	0.27008
4	15 PCB-17	25.50	25.49	2.059e3	2.033e3	1.040	1.01	NO	0.26500	0.26497
5	16 PCB-24/27	26.10	26.08	5.507e3	5.170e3	1.040	1.07	NO	0.48900	0.48907
6	17 PCB-16/32	26.63	26.62	5.765e3	4.845e3	1.040	1.19	NO	0.58000	0.55878



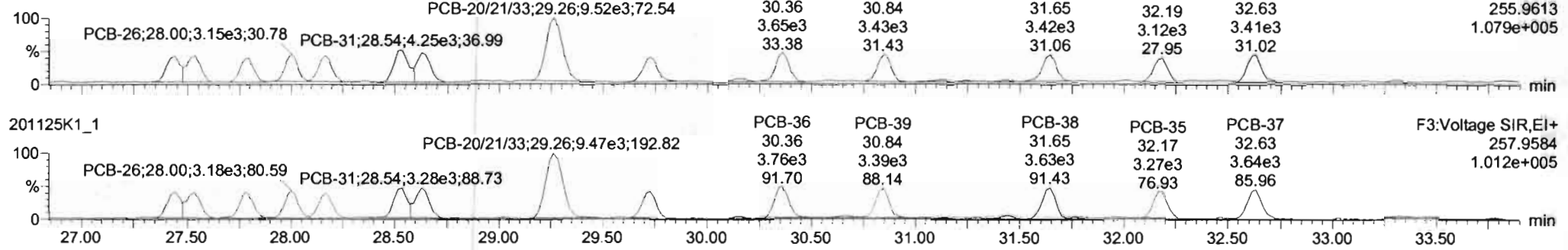
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

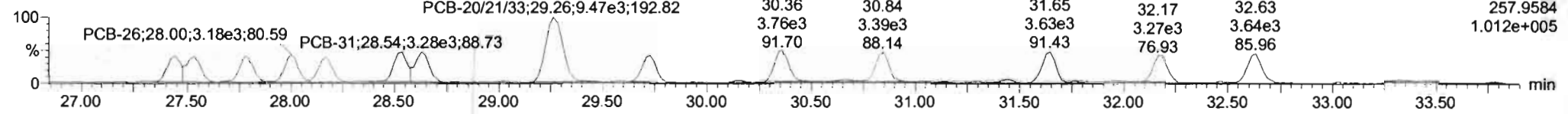
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**PCB-34**

201125K1\_1

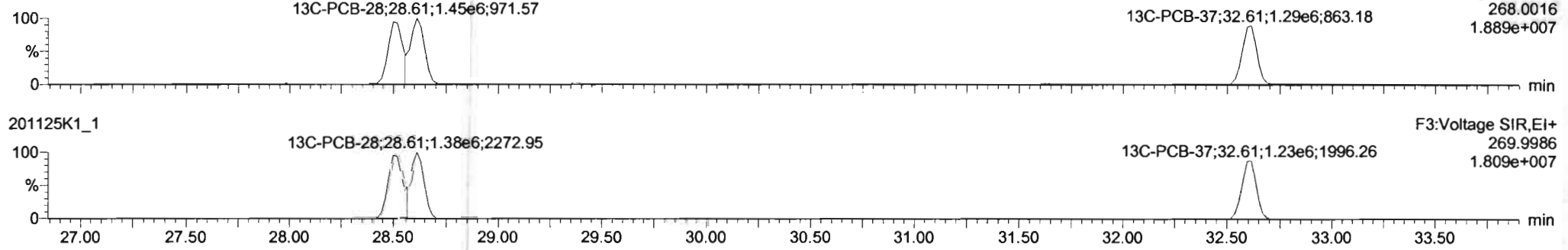


201125K1\_1

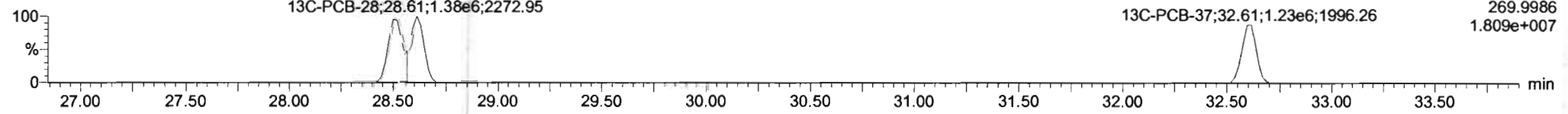


**13C-PCB-28**

201125K1\_1

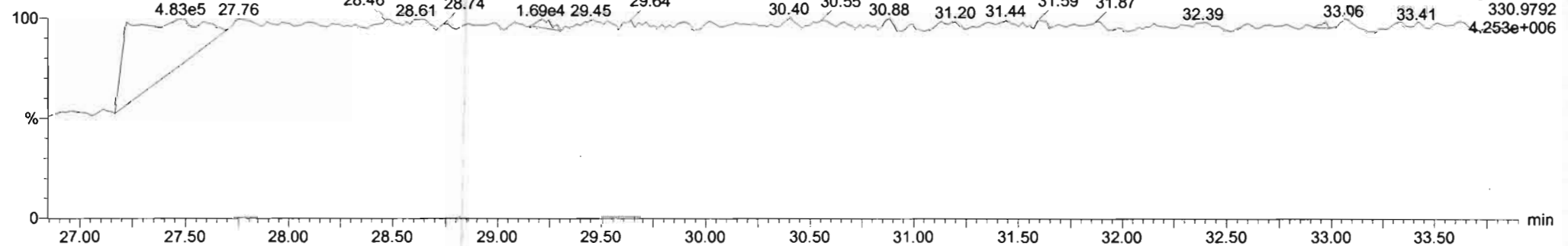


201125K1\_1



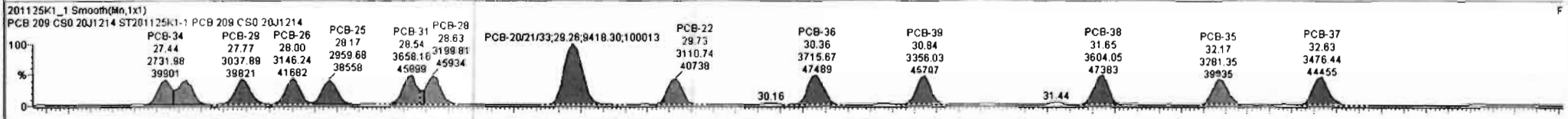
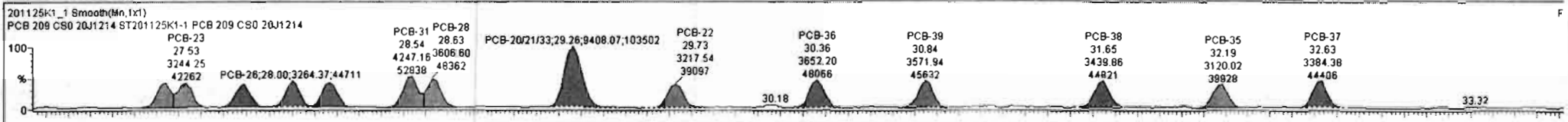
**PFK3d**

201125K1\_1



#	Name	Resp	RA	n/y	RfF	w/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
221	221 13C-PCB-178	8.05e5	0.45	NO	0.7744	1.000	45.72	45.73	0.988	0.988	NO	95.67	95.7	0.0474	
222	222 13C-PCB-79	2.04e6	0.77	NO	1.0415	1.000	37.63	37.64	0.968	0.968	NO	101.6	102	0.0412	
223	223 13C-PCB-178	8.05e5	0.45	NO	1.0180	1.000	45.71	45.73	0.923	0.923	NO	96.67	96.7	0.0487	
224	224 Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	0.7448		0.0259	0.7450
225	225 Total Di-PCBs				1.0367	1.000	0.00		0.000		NO	3.084		0.152	3.084
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	2.118		0.0947	2.118
227	227 3rd Function Tri-PCBs				0.9887	1.000	0.00		0.000		NO	4.003		0.181	4.003
228	228 Total Tetra-PCBs				0.9910	1.000	0.00		0.000		NO	10.71		0.558	10.71

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
18	PCB-34	27.44	27.44	2.891e3	2.732e3	1.040	1.10	NO	0.23000	0.23021
19	PCB-23	27.53	27.53	3.244e3	3.084e3	1.040	1.05	NO	0.25000	0.25048
20	PCB-29	27.77	27.79	2.918e3	3.038e3	1.040	0.96	NO	0.24400	0.24413
21	PCB-26	28.00	28.00	3.284e3	3.146e3	1.040	1.04	NO	0.24700	0.24744
22	PCB-25	28.16	28.17	3.223e3	2.960e3	1.040	1.09	NO	0.23800	0.23845
23	PCB-31	28.53	28.54	4.247e3	3.658e3	1.040	1.16	NO	0.27100	0.27080
24	PCB-28	28.63	28.63	3.607e3	3.200e3	1.040	1.13	NO	0.23700	0.23691

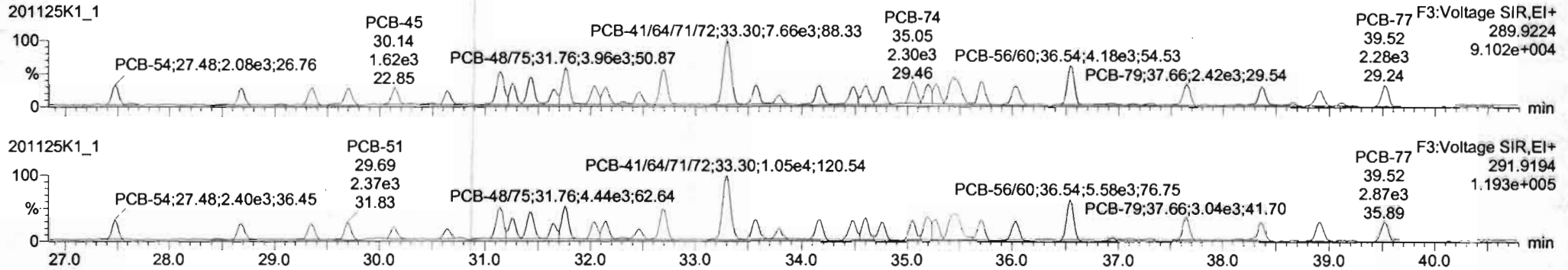


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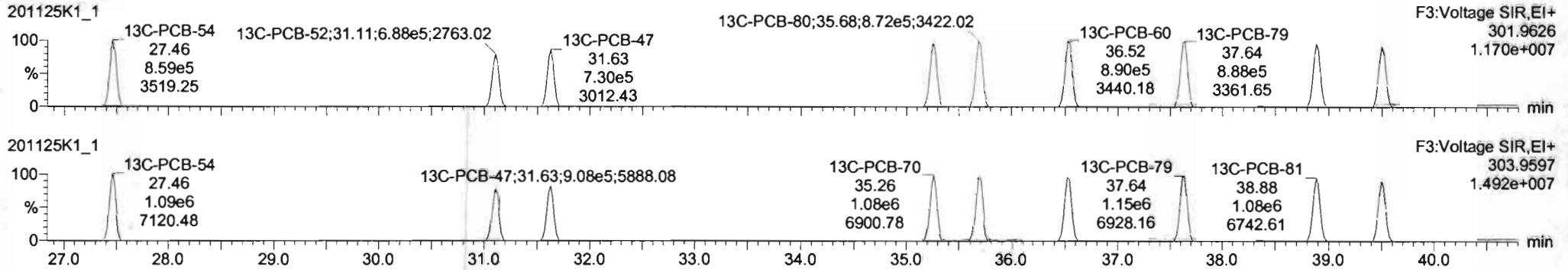
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Name: 201125K1\_1, Date: 25-Nov-2020, Time: 09:48:37, ID: ST201125K1-1 PCB 209 CS0 20J1214, Description: PCB 209 CS0 20J1214

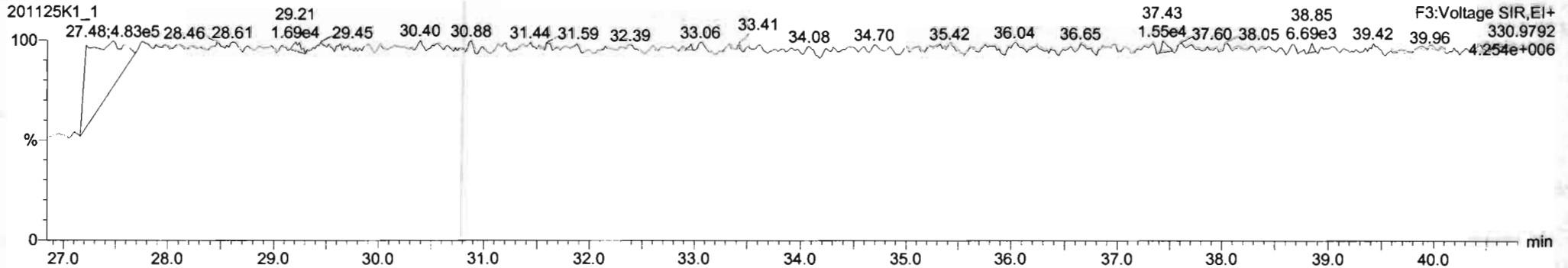
**PCB-54**



**13C-PCB-54**



**PFK3a**



Dataset: Untitled

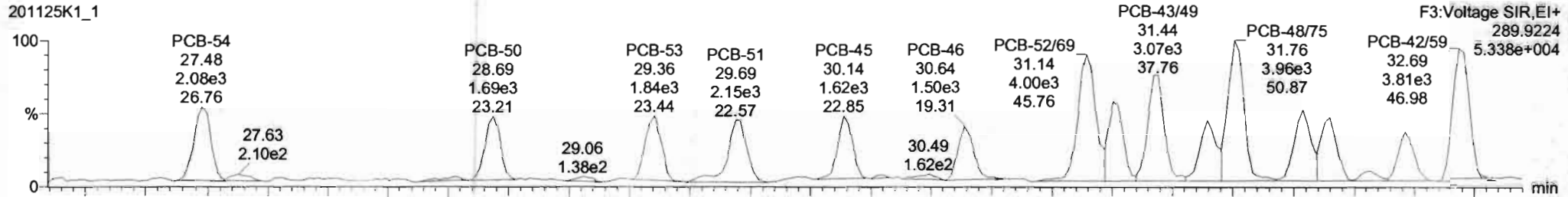
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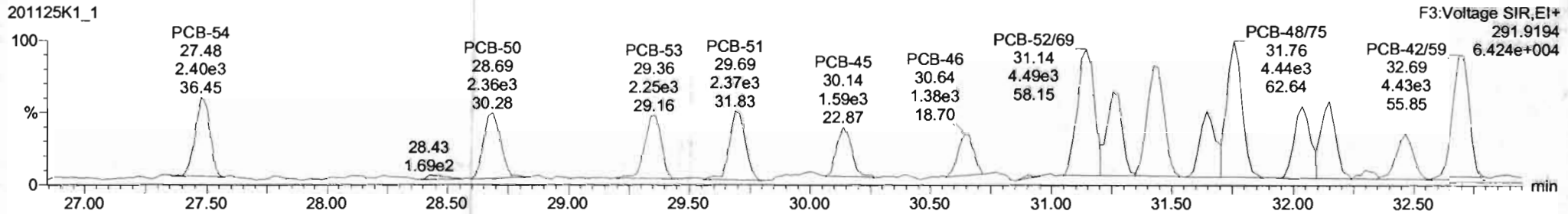
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PCB-50

201125K1\_1

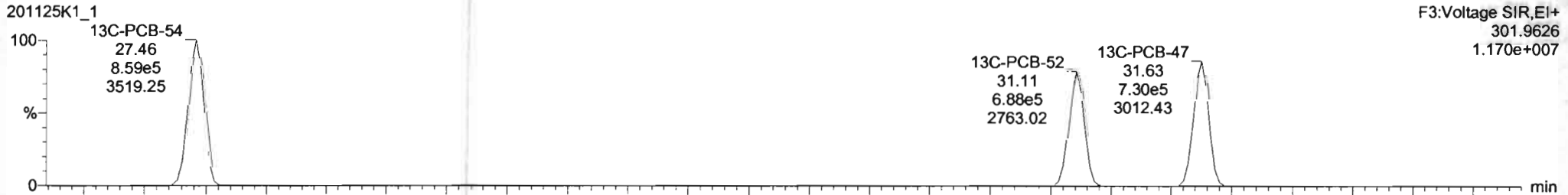


201125K1\_1

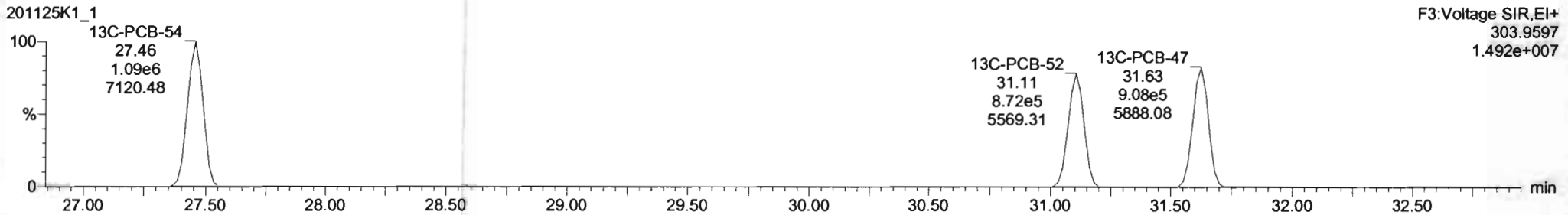


13C-PCB-52

201125K1\_1

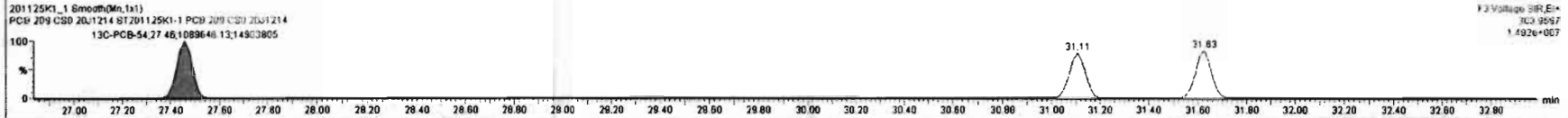
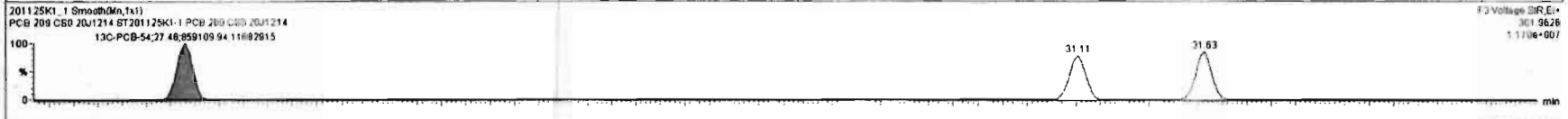
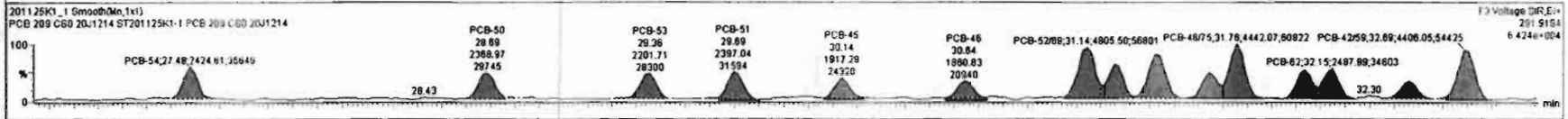
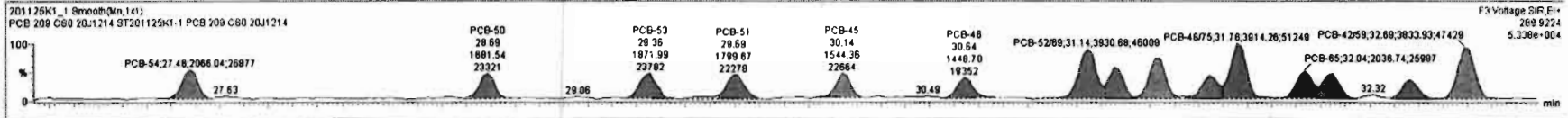


201125K1\_1



#	Name	Resp	RA	n/y	RRF	wtAvt	Pred.RT	RT	Pred.R	RR1	RR1 Fail	Conc.	%Rec	DL	EMPC
221	221 13C-PCB-178	8.05e5	0.45	NO	0.7744	1.000	45.72	45.73	0.999	0.999	NO	95.67	95.7	0.0474	
222	222 13C-PCB-78	2.04e6	0.77	NO	1.0415	1.000	37.63	37.64	0.999	0.999	NO	101.6	102	0.0412	
223	223 13C-PCB-178	8.05e5	0.45	NO	1.0180	1.000	45.71	45.73	0.923	0.923	NO	95.67	98.7	0.0487	
224	224 Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	0.7448		0.0259	0.7450
225	225 Total Di-PCBs				1.0367	1.000	0.00		0.000		NO	3.084		0.152	3.084
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	2.118		0.0947	2.118
227	227 3rd Function Tri-PCBs				0.9687	1.000	0.00		0.000		NO	4.003		0.181	4.003
228	228 Total Tetra-PCBs				0.9910	1.000	0.00		0.000		NO	10.71		0.539	10.71

#	Name	Pred.RT	RT	wt Resp	nc2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.48	27.48	2.086e3	2.425e3	0.770	0.85	NO	0.23700	0.23652
2	33 PCB-50	28.88	28.89	1.682e3	2.369e3	0.770	0.71	NO	0.25900	0.25862
3	34 PCB-53	29.37	29.36	1.872e3	2.202e3	0.770	0.85	NO	0.27800	0.27805
4	35 PCB-51	29.70	29.69	1.800e3	2.397e3	0.770	0.75	NO	0.26900	0.26907
5	36 PCB-45	30.15	30.14	1.544e3	1.917e3	0.770	0.81	NO	0.27800	0.27845
6	37 PCB-46	30.65	30.64	1.449e3	1.861e3	0.770	0.78	NO	0.27500	0.27531
7	38 PCB-52/69	31.14	31.14	3.931e3	4.806e3	0.770	0.82	NO	0.51700	0.51738
8	39 PCB-73	31.25	31.25	2.026e3	2.800e3	0.770	0.78	NO	0.22700	0.22686





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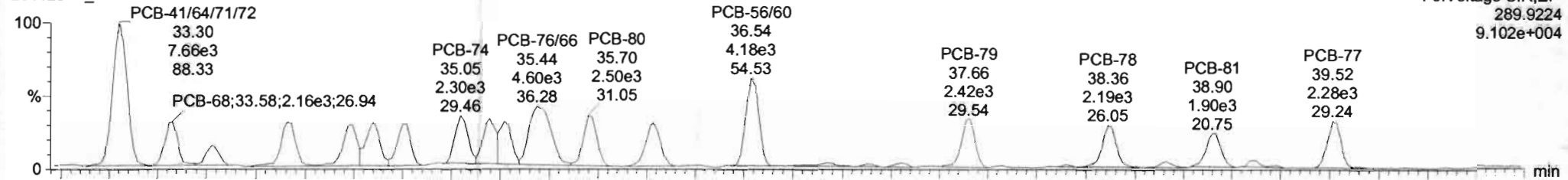
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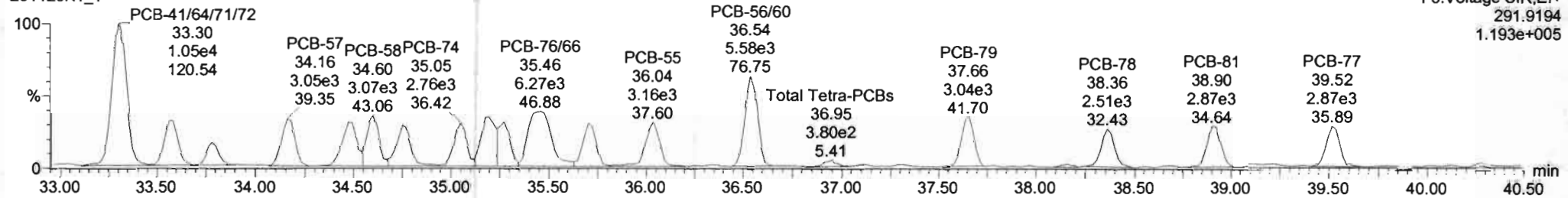
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**PCB-68**

201125K1\_1

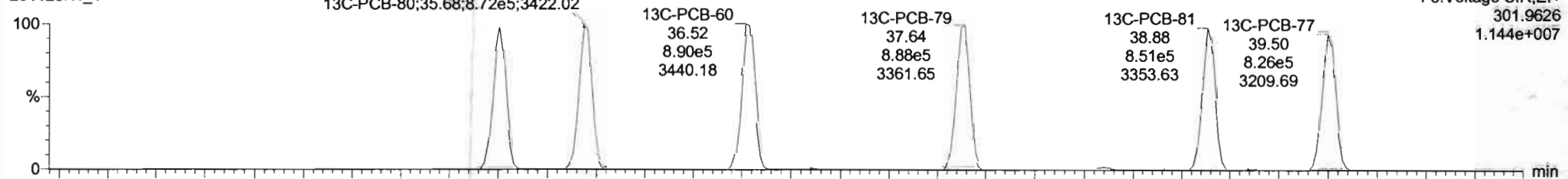


201125K1\_1

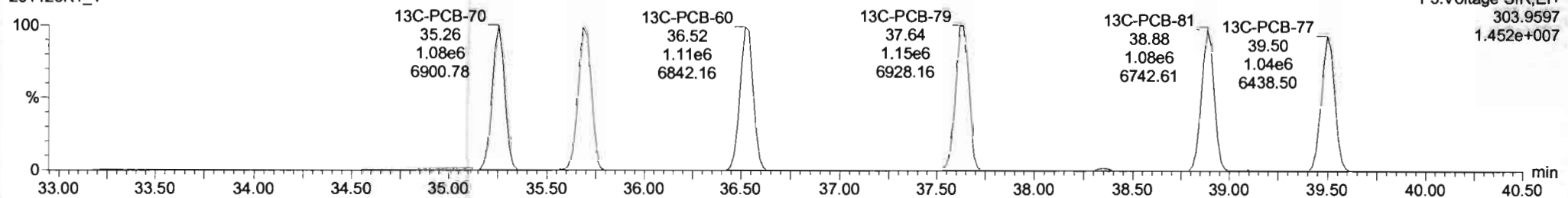


**13C-PCB-60**

201125K1\_1



201125K1\_1







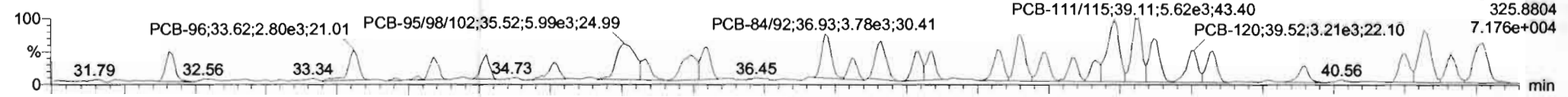
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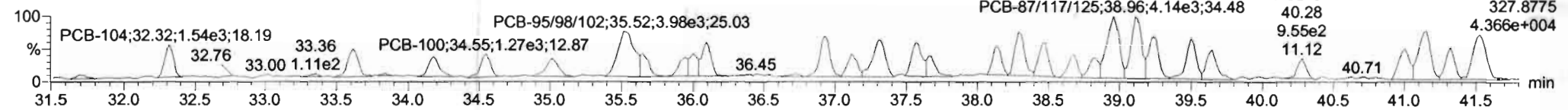
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**PCB-104**

201125K1\_1

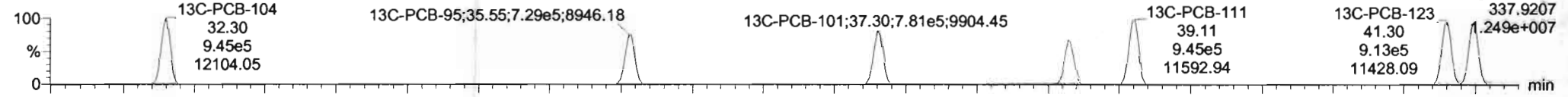


201125K1\_1

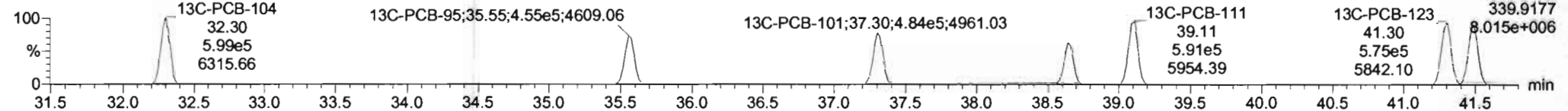


**13C-PCB-104**

201125K1\_1

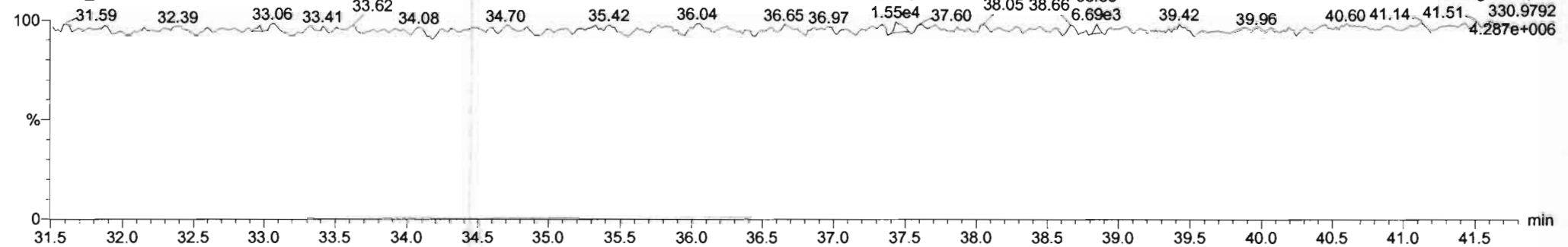


201125K1\_1



**PFK3b**

201125K1\_1



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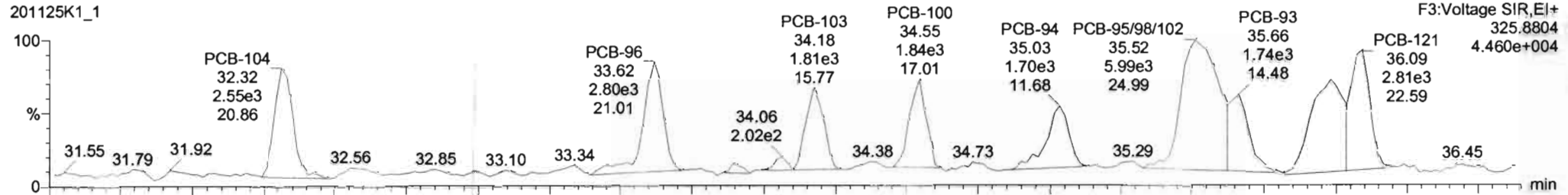
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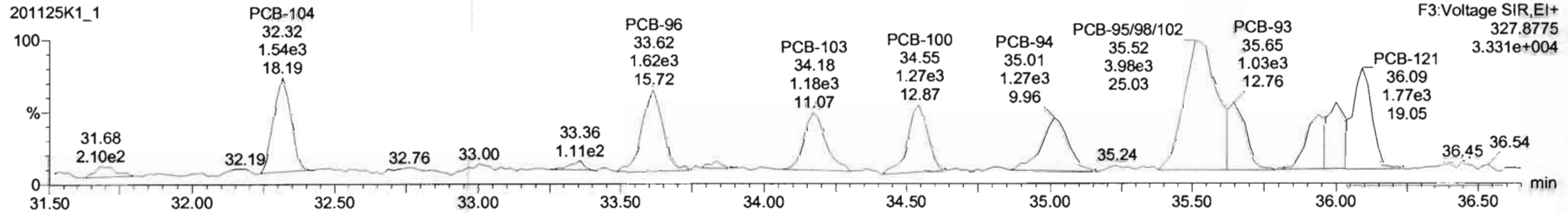
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**PCB-96**

201125K1\_1

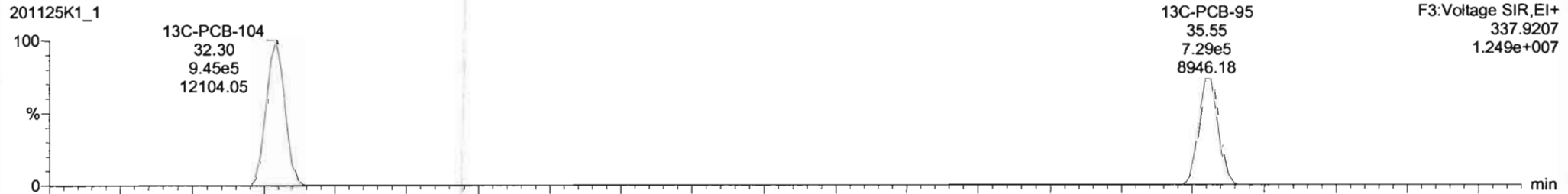


201125K1\_1

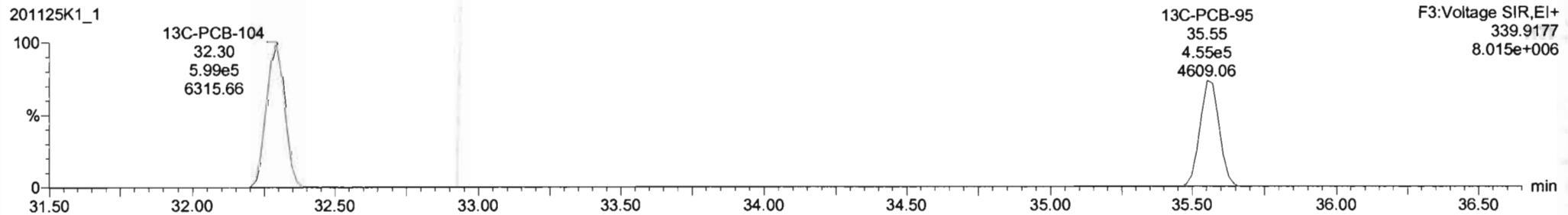


**13C-PCB-95**

201125K1\_1

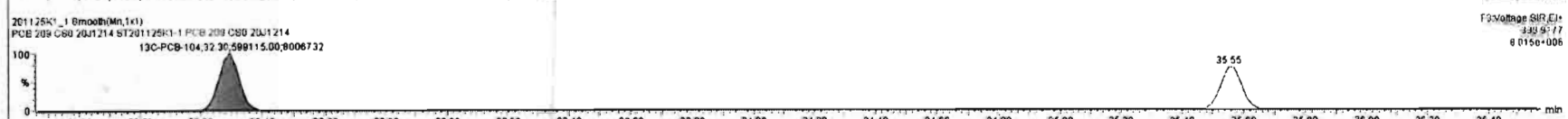
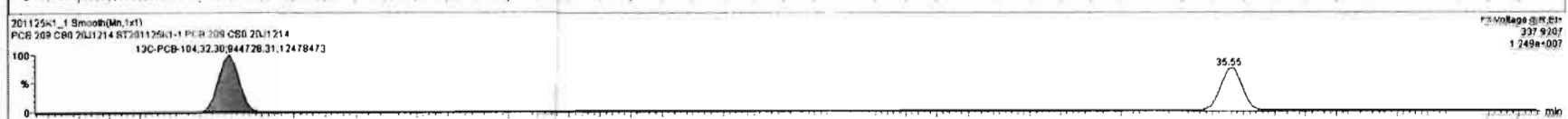
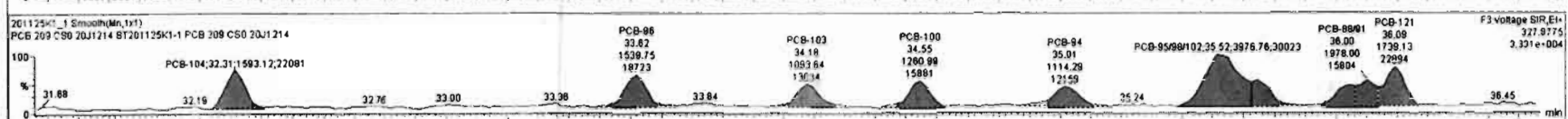
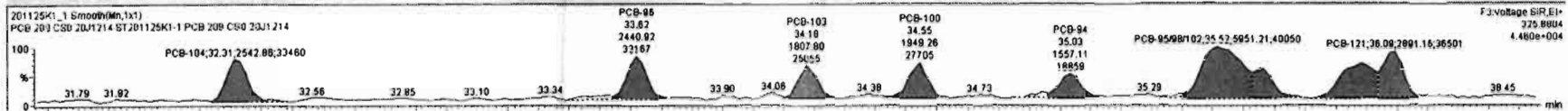


201125K1\_1



#	Name	Resp	RA	nly	RRF	wtVol	Pred RT	RT	Pred R	RRT	RRT Fal	Conc	%Rec	DL	EMPC
221	221 13C-PCB-178	0.05e5	0.45	NO	0.7744	1.000	45.72	45.73	0.988	0.989	NO	95.67	95.7	0.0474	
222	222 13C-PCB-79	2.04e6	0.77	NO	1.0415	1.000	37.63	37.64	0.968	0.968	NO	101.8	102	0.0412	
223	223 13C-PCB-178	0.05e5	0.45	NO	1.0180	1.000	45.71	45.73	0.923	0.923	NO	96.87	96.7	0.0487	
224	224 Total Mono-PCBs				1.0034	1.000	0.00	0.00	0.000	0.000	NO	0.7448		0.0259	0.7450
225	225 Total Di-PCBs				1.0367	1.000	0.00	0.00	0.000	0.000	NO	3.084		0.152	3.084
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00	0.00	0.000	0.000	NO	2.118		0.0847	2.118
227	227 3rd Function Tri-PCBs				0.9887	1.000	0.00	0.00	0.000	0.000	NO	4.003		0.161	4.003
228	228 Total Tetra-PCBs				0.9910	1.000	0.00	0.00	0.000	0.000	NO	10.71		0.559	10.71

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	64 PCB-104	32.32	32.31	2.543e3	1.593e3	1.560	1.80	NO	0.27300	0.27291
2	85 PCB-96	33.62	33.62	2.441e3	1.540e3	1.560	1.59	NO	0.26200	0.26245
3	86 PCB-103	34.17	34.18	1.808e3	1.094e3	1.560	1.85	NO	0.24400	0.24421
4	87 PCB-100	34.54	34.55	1.949e3	1.261e3	1.560	1.55	NO	0.25800	0.25940
5	88 PCB-94	35.03	35.03	1.567e3	1.114e3	1.560	1.40	NO	0.27200	0.27164
6	69 PCB-95/98/102	35.50	35.52	5.851e3	3.977e3	1.560	1.50	NO	0.28200	0.28213
7	70 PCB-83	35.65	35.67	1.717e3	1.002e3	1.560	1.71	NO	0.30200	0.30173
8	71 PCB-89/91	35.90	35.90	3.338e3	1.976e3	1.560	1.89	NO	0.48300	0.48325

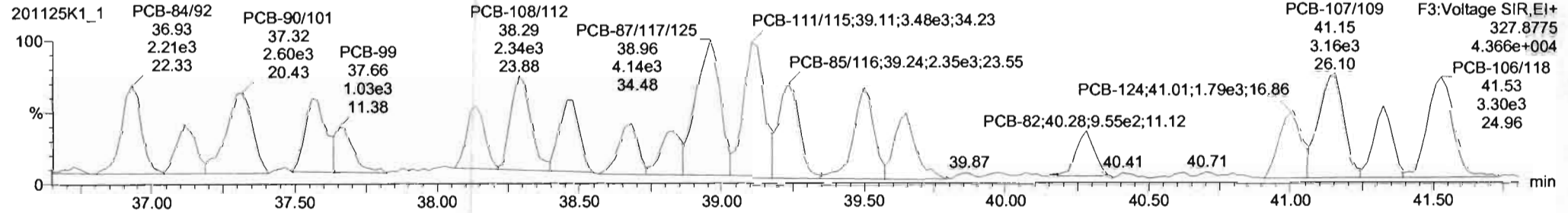
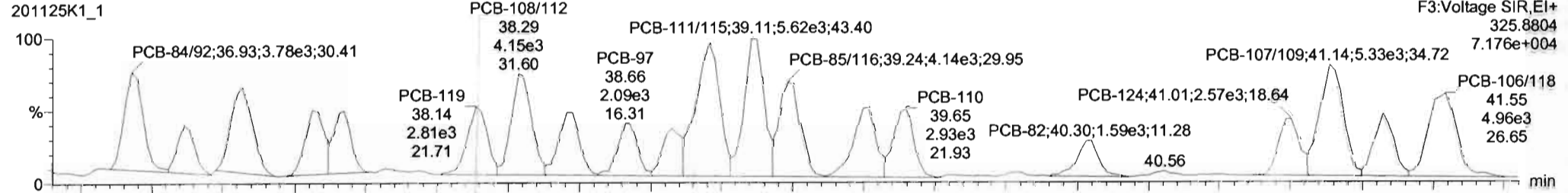


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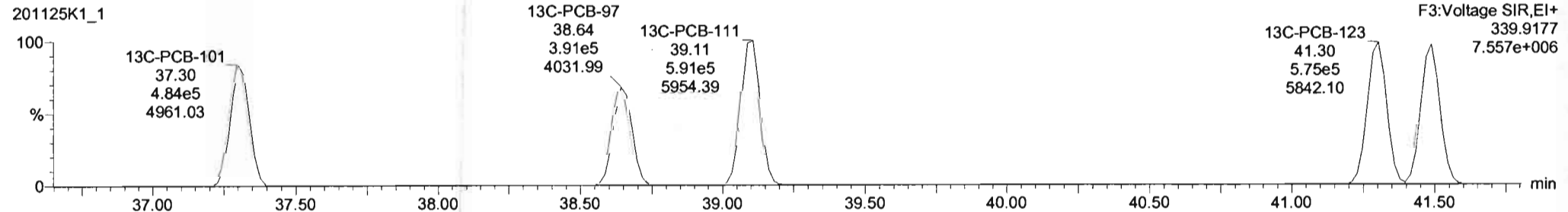
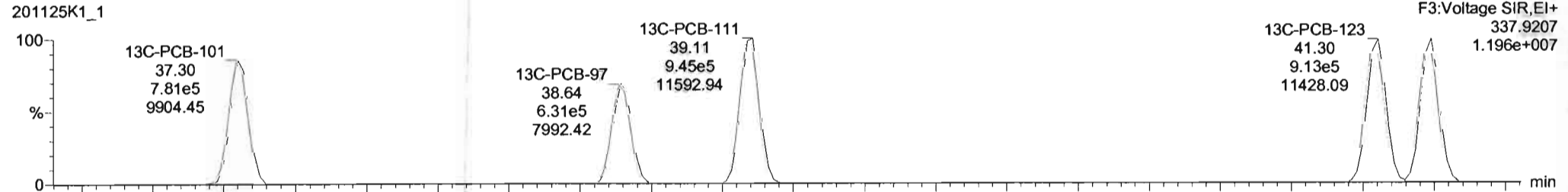
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Name: 201125K1\_1, Date: 25-Nov-2020, Time: 09:48:37, ID: ST201125K1-1 PCB 209 CS0 20J1214, Description: PCB 209 CS0 20J1214

PCB-119

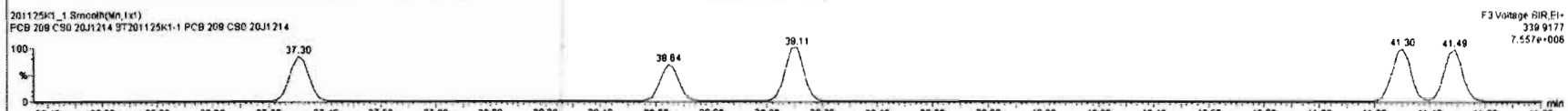
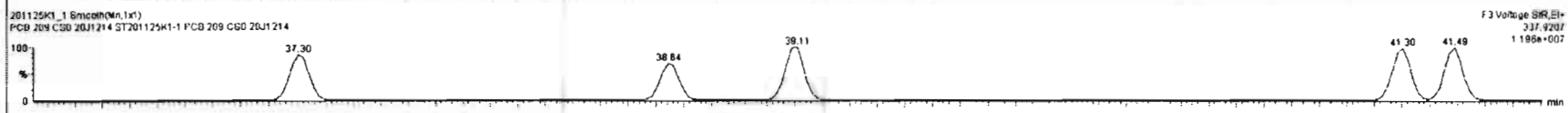
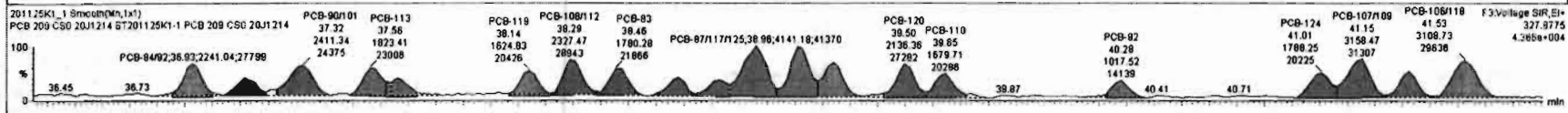
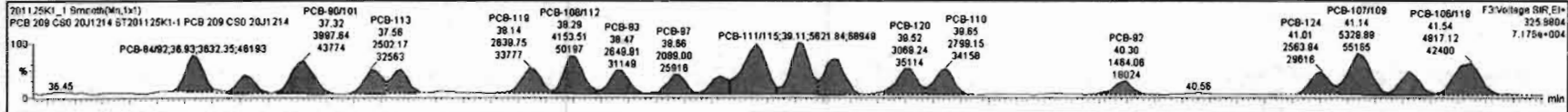


13C-PCB-111



#	Name	Resp	RA	n/y	RRF	wtAdj	Pred.RT	RT	Pred.R...	RRF	RRT	Fail	Conc.	%Rec	DL	EMPC
221	221 13C-PCB-178	0.05e5	0.45	NO	0.7744	1.000	45.72	45.73	0.990	0.990	NO	95.67	95.7	0.0474		
222	222 13C-PCB-79	2.04e6	0.77	NO	1.0415	1.000	37.63	37.64	0.968	0.968	NO	101.8	102	0.0412		
223	223 13C-PCB-178	0.05e5	0.45	NO	1.0180	1.000	45.71	45.73	0.923	0.923	NO	96.67	96.7	0.0487		
224	224 Total Mono-PCBs				1.0034	1.000	0.00	0.00	0.000	0.000	NO	0.7448		0.0259	0.7450	
225	225 Total Di-PCBs				1.0267	1.000	0.00	0.00	0.000	0.000	NO	3.084		0.152	3.084	
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00	0.00	0.000	0.000	NO	2.118		0.0947	2.118	
227	227 3rd Function Tri-PCBs				0.9687	1.000	0.00	0.00	0.000	0.000	NO	4.003		0.181	4.003	
228	228 Total Tetra-PCBs				0.9910	1.000	0.00	0.00	0.000	0.000	NO	10.71		0.559	10.71	

#	Name	Pred.RT	RT	Int Resp	m2 Resp	* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	64 PCB-104	32.32	32.31	2.543e3	1.593e3	1.560	1.60	NO	0.27300	0.27291
2	65 PCB-96	33.62	33.62	2.441e3	1.540e3	1.560	1.58	NO	0.26200	0.26245
3	66 PCB-103	34.17	34.18	1.808e3	1.094e3	1.560	1.85	NO	0.24400	0.24421
4	67 PCB-100	34.54	34.55	1.948e3	1.261e3	1.560	1.55	NO	0.25800	0.25840
5	68 PCB-84	35.03	35.03	1.567e3	1.114e3	1.560	1.40	NO	0.27200	0.27184
6	69 PCB-95/96/102	35.50	35.52	5.951e3	3.977e3	1.560	1.50	NO	0.76500	0.76313
7	70 PCB-83	36.65	36.67	1.717e3	1.003e3	1.560	1.71	NO	0.30200	0.30173
8	71 PCB-86/81	36.98	36.98	3.328e3	1.978e3	1.560	1.69	NO	0.48300	0.48325
9	72 PCB-121	36.09	36.08	2.891e3	1.736e3	1.560	1.68	NO	0.26700	0.26700

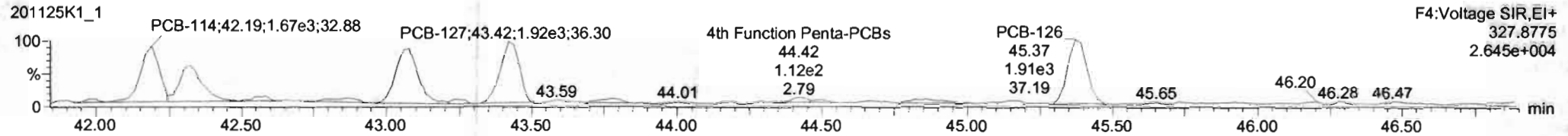
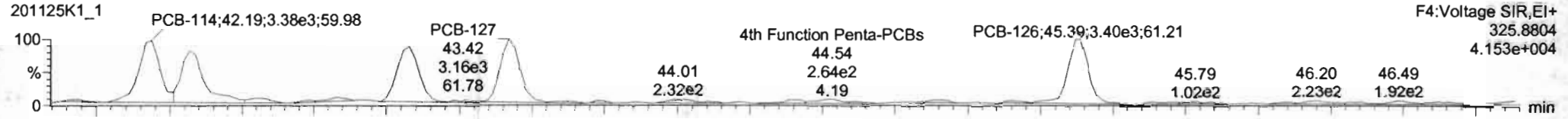


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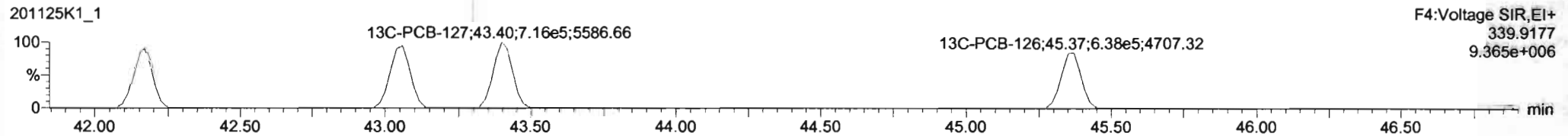
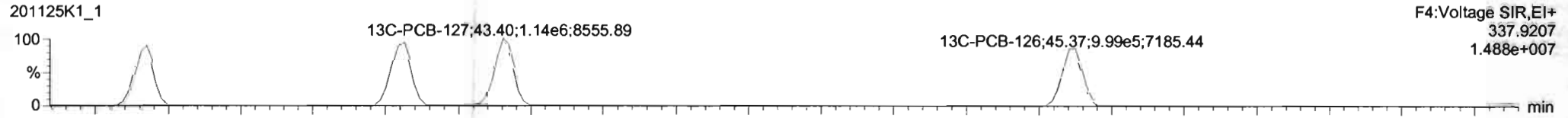
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Name: 201125K1\_1, Date: 25-Nov-2020, Time: 09:48:37, ID: ST201125K1-1 PCB 209 CS0 20J1214, Description: PCB 209 CS0 20J1214

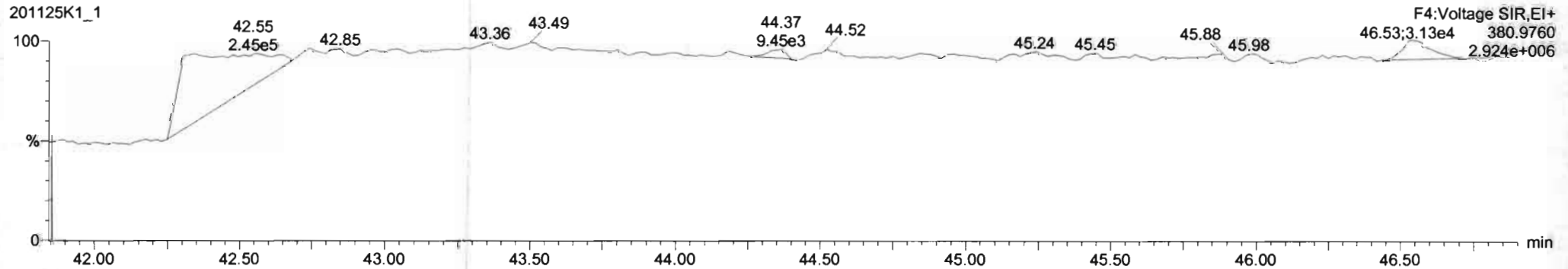
**PCB-114**



**13C-PCB-114**



**PFK4a**







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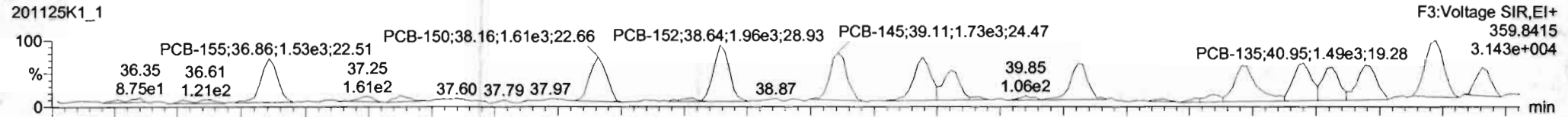
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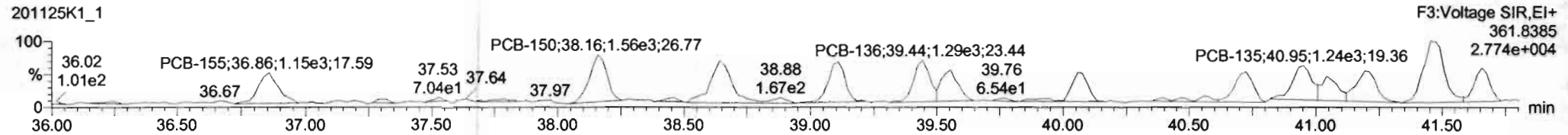
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**PCB-155**

201125K1\_1

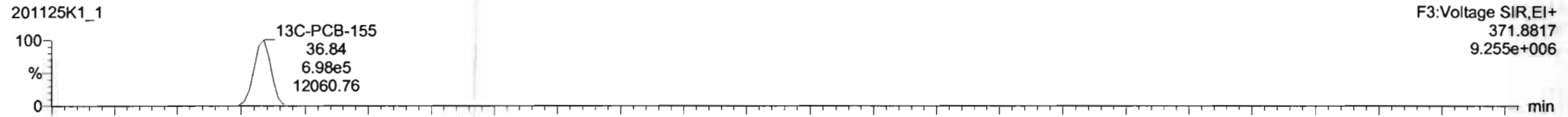


201125K1\_1

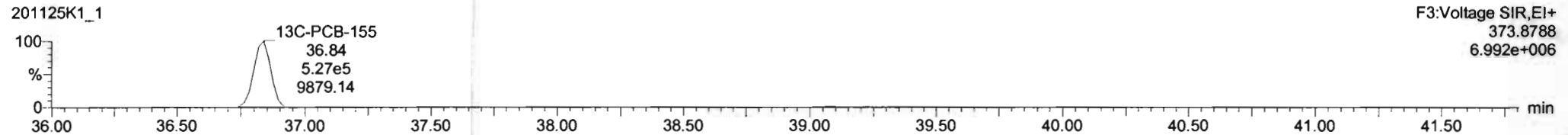


**13C-PCB-155**

201125K1\_1

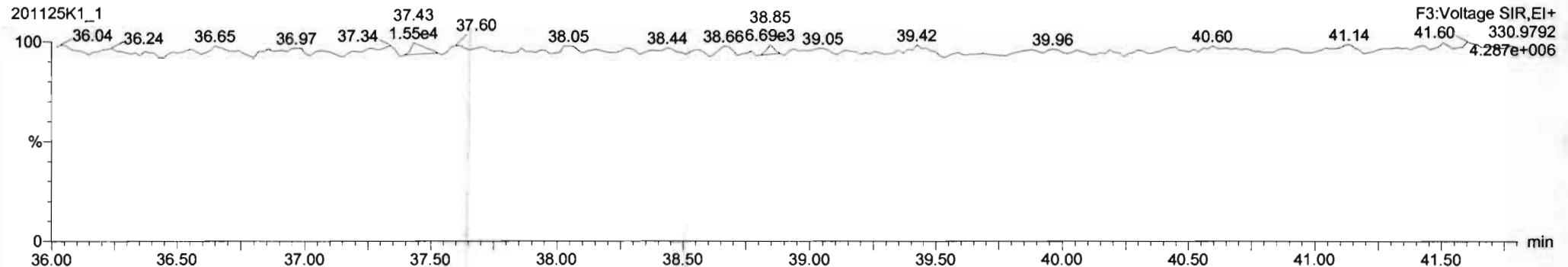


201125K1\_1



**PFK3c**

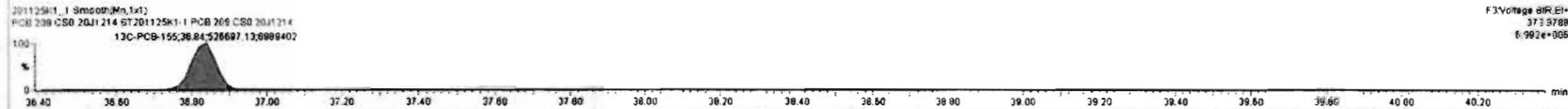
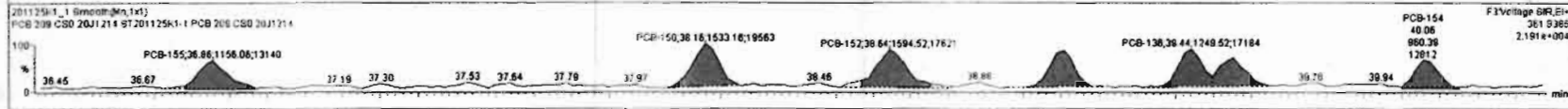
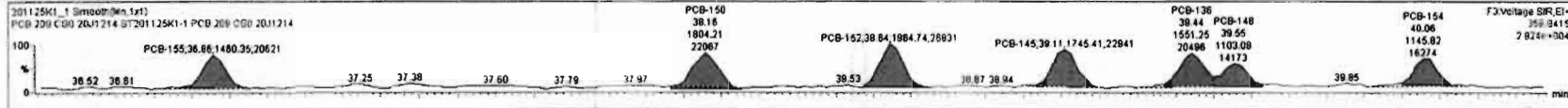
201125K1\_1

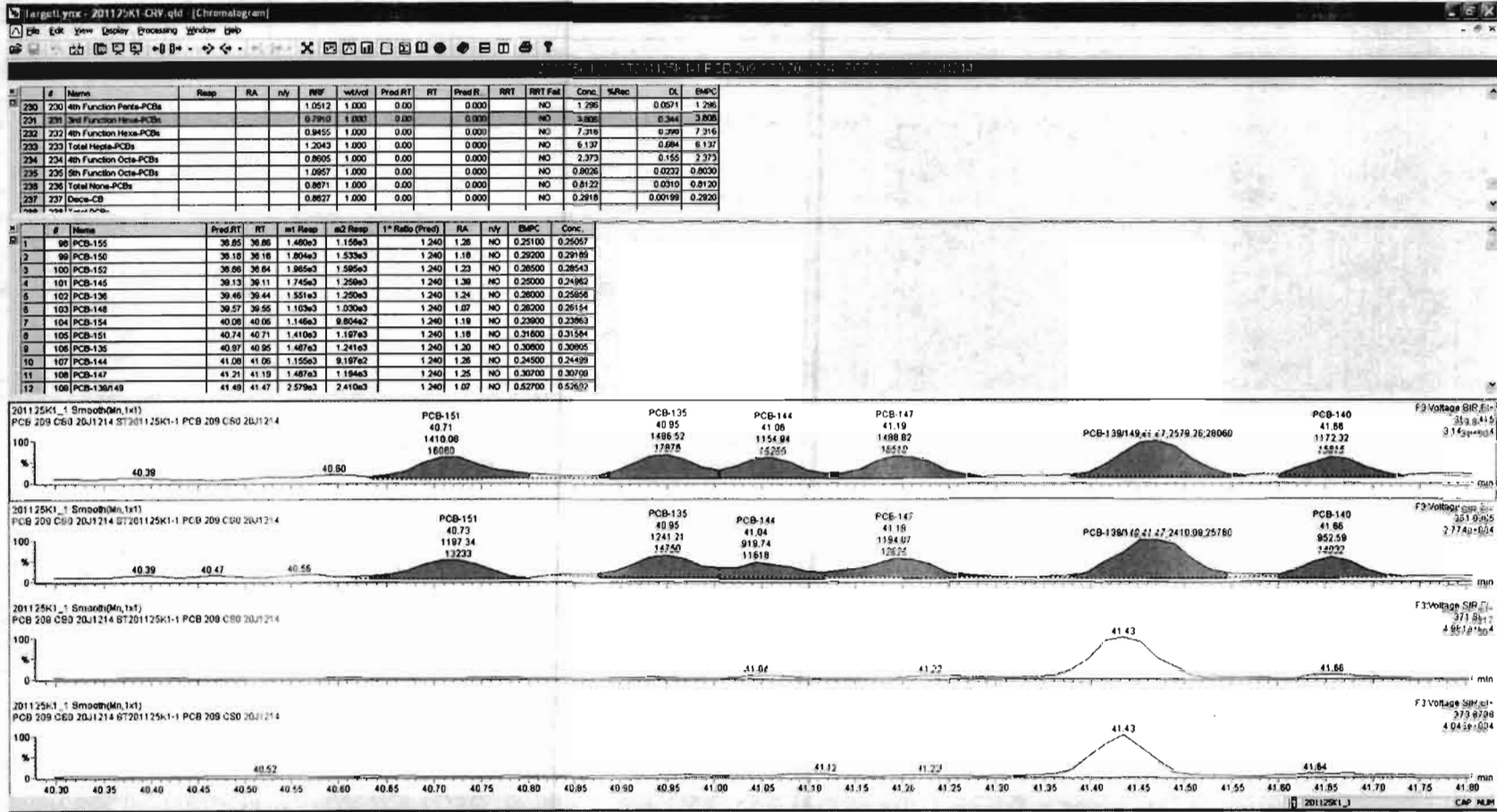




#	Name	Retap	RA	rvy	RNF	w0w2	Prod RT	RT	Prod.R	RRT	RRT Std	Conc	uRec	DL	EMPC
230	4th Function Para-PCBs				1.0512	1.000	0.00		0.000		NO	1.296		0.0571	1.296
231	3rd Function Hepta-PCBs				0.7956	1.000	0.00		0.000		NO	3.836		0.344	3.836
232	4th Function Hepta-PCBs				0.9455	1.000	0.00		0.000		NO	7.316		0.396	7.316
233	Total Hepta-PCBs				1.2043	1.000	0.00		0.000		NO	6.137		0.694	6.137
234	4th Function Octa-PCBs				0.8606	1.000	0.00		0.000		NO	2.373		0.155	2.373
235	5th Function Octa-PCBs				1.0957	1.000	0.00		0.000		NO	0.8026		0.0232	0.8030
236	Total Nona-PCBs				0.8671	1.000	0.00		0.000		NO	0.8122		0.0310	0.8120
237	Deca-CB				0.8527	1.000	0.00		0.000		NO	0.2918		0.00189	0.2920

#	Name	Prod RT	RT	wt Resp	m2 Resp	1* Ratio (Prod)	RA	rvy	EMPC	Conc
1	90 PCB-155	36.85	36.86	1.480e3	1.156e3	1.240	1.26	NO	0.25100	0.25057
2	90 PCB-150	38.19	38.16	1.804e3	1.530e3	1.240	1.18	NO	0.29200	0.29169
3	100 PCB-152	38.86	38.84	1.985e3	1.595e3	1.240	1.23	NO	0.28500	0.28543
4	101 PCB-145	38.13	38.11	1.745e3	1.259e3	1.240	1.38	NO	0.25500	0.24982
5	102 PCB-136	38.46	38.44	1.551e3	1.250e3	1.240	1.24	NO	0.26000	0.25956
6	103 PCB-148	38.67	38.55	1.103e3	1.030e3	1.240	1.07	NO	0.26200	0.26154
7	104 PCB-154	40.06	40.06	1.146e3	9.894e2	1.240	1.19	NO	0.23600	0.23663
8	105 PCB-151	40.74	40.71	1.410e3	1.187e3	1.240	1.18	NO	0.31600	0.31584
9	106 PCB-135	40.97	40.95	1.487e3	1.261e3	1.240	1.20	NO	0.30800	0.30805
10	107 PCB-144	41.08	41.08	1.155e3	8.187e2	1.240	1.28	NO	0.24500	0.24498
11	108 PCB-147	41.21	41.19	1.487e3	1.194e3	1.240	1.25	NO	0.30700	0.30708



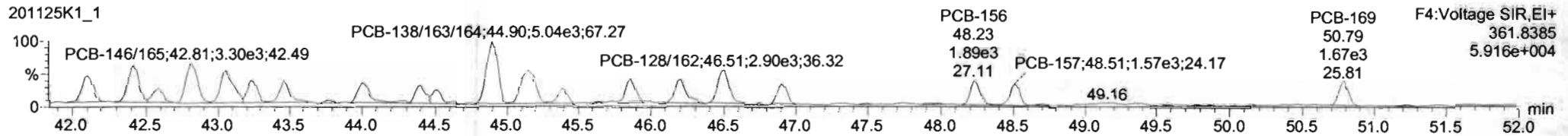
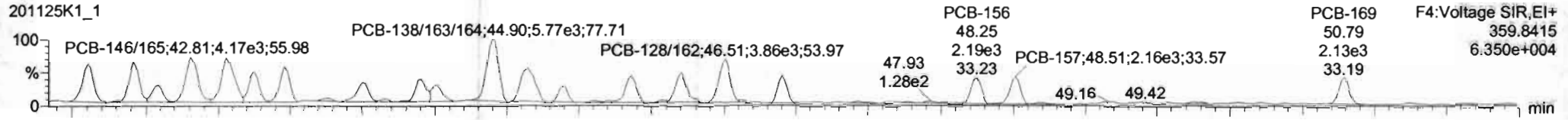


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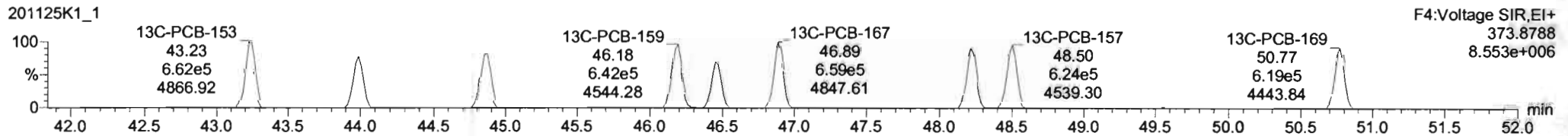
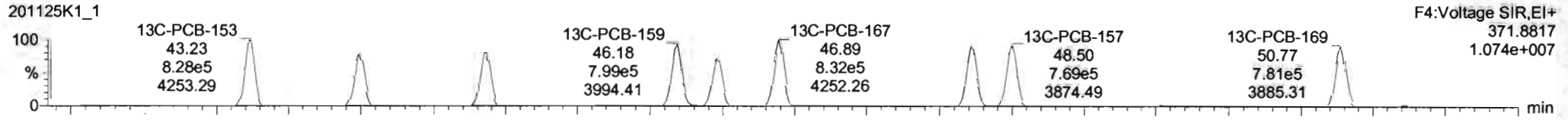
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Name: 201125K1\_1, Date: 25-Nov-2020, Time: 09:48:37, ID: ST201125K1-1 PCB 209 CS0 20J1214, Description: PCB 209 CS0 20J1214

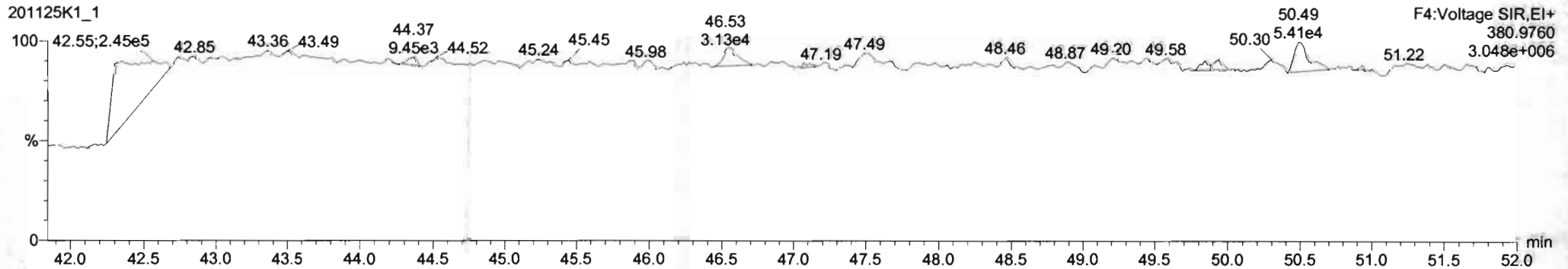
**PCB-134/143**

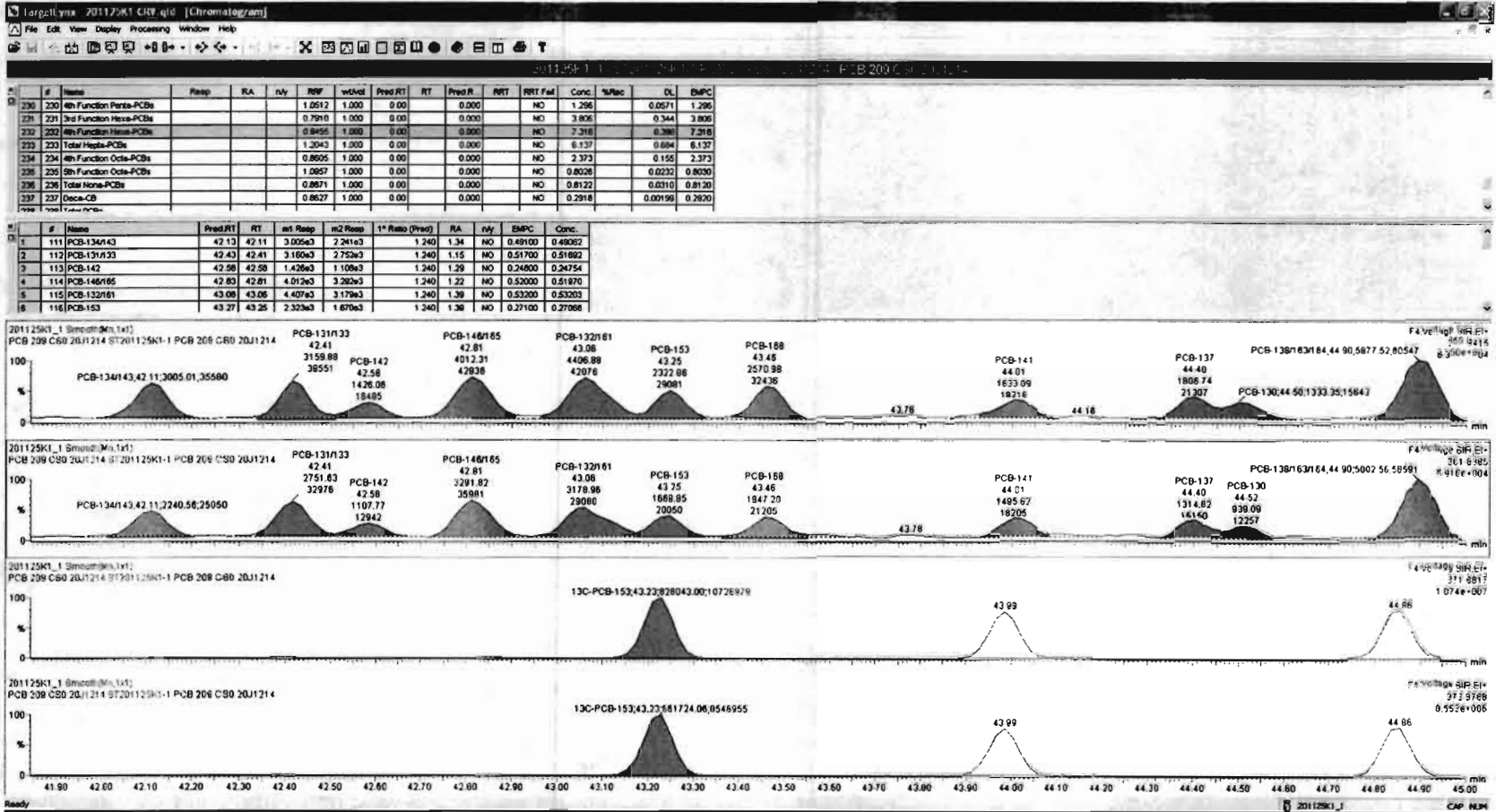


**13C-PCB-153**



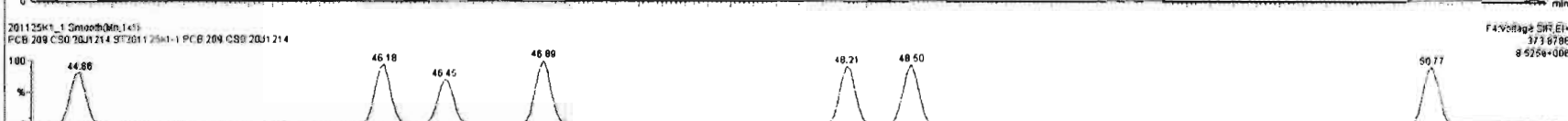
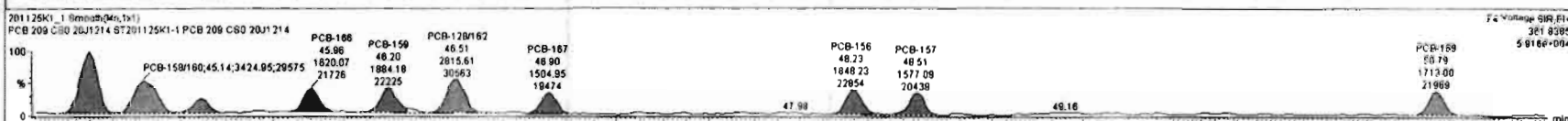
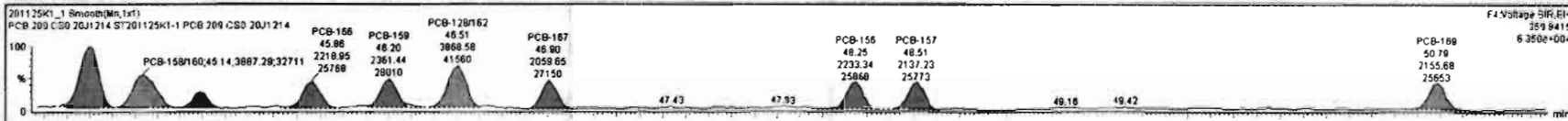
**PFK4b**





#	Name	Resp	RA	n/y	RRF	wVol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	BMP
230	230	4th Function Penta-PCBs			1.0512	1.000	0.000	0.000	0.000	1.290	NO	1.290	0.0571	1.290	
231	231	3rd Function Hexa-PCBs			0.7910	1.000	0.000	0.000	0.000	3.806	NO	3.806	0.344	3.806	
232	232	4th Function Hexa-PCBs			0.9435	1.000	0.000	0.000	0.000	7.318	NO	7.318	0.396	7.318	
233	233	Total Hepto-PCBs			1.2043	1.000	0.000	0.000	0.000	6.137	NO	6.137	0.684	6.137	
234	234	4th Function Octa-PCBs			0.8635	1.000	0.000	0.000	0.000	2.373	NO	2.373	0.155	2.373	
235	235	5th Function Octa-PCBs			1.0957	1.000	0.000	0.000	0.000	0.8028	NO	0.8028	0.0232	0.8030	
236	236	Total Nona-PCBs			0.8671	1.000	0.000	0.000	0.000	0.8122	NO	0.8122	0.0310	0.8120	
237	237	Deca-CB			0.8627	1.000	0.000	0.000	0.000	0.2818	NO	0.2818	0.00198	0.2820	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	BMP	Conc
1	111 PCB-134/143	42.13	42.11	3.005e3	2.241e3	1.240	1.34	NO	0.49100	0.49062
2	112 PCB-131/133	42.43	42.41	3.180e3	2.752e3	1.240	1.15	NO	0.51700	0.51682
3	113 PCB-142	42.58	42.58	1.426e3	1.108e3	1.240	1.28	NO	0.24800	0.24754
4	114 PCB-146/165	42.83	42.81	4.012e3	3.292e3	1.240	1.22	NO	0.53000	0.51970
5	115 PCB-132/161	43.08	43.06	4.407e3	3.178e3	1.240	1.38	NO	0.53200	0.53203
6	116 PCB-153	43.27	43.25	2.323e3	1.870e3	1.240	1.38	NO	0.27100	0.27088



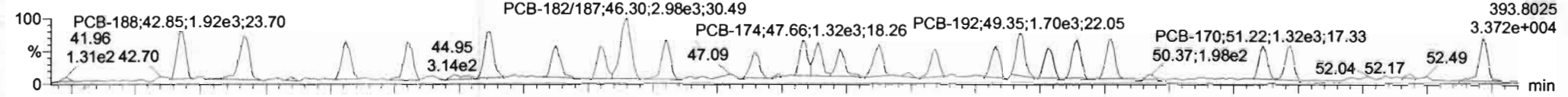
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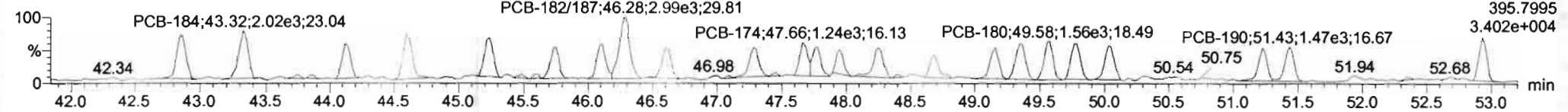
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**PCB-188**

201125K1\_1

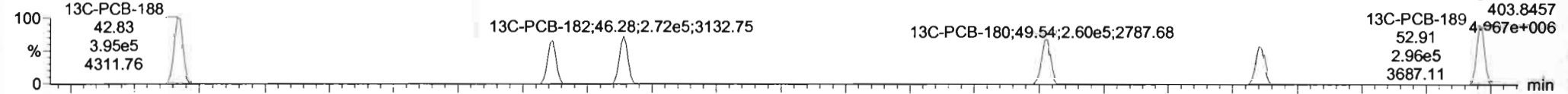


201125K1\_1

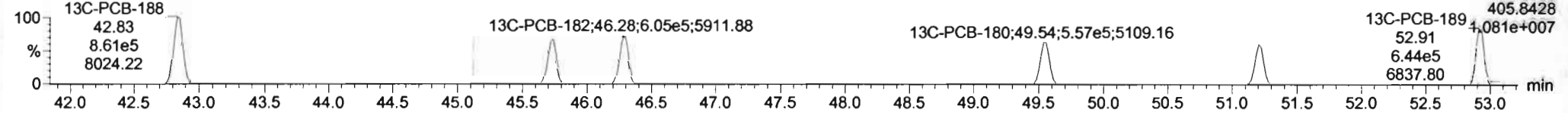


**13C-PCB-188**

201125K1\_1

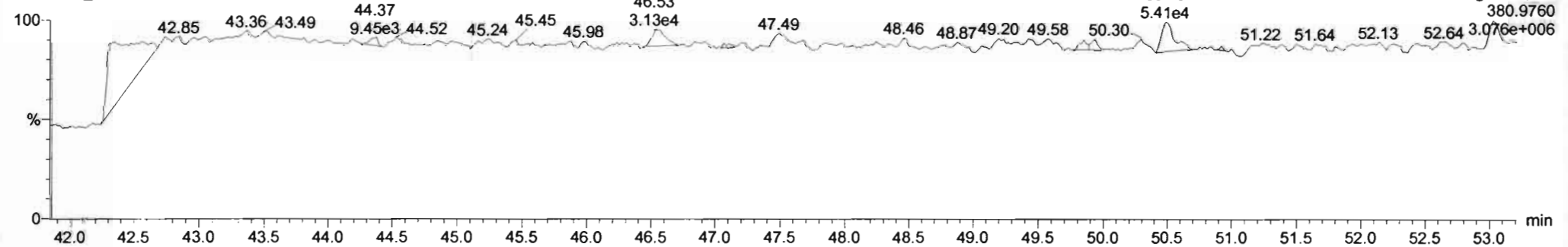


201125K1\_1



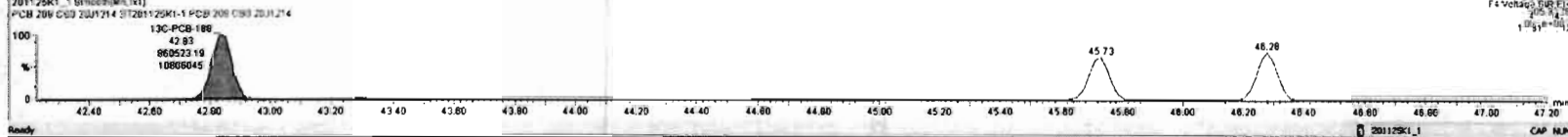
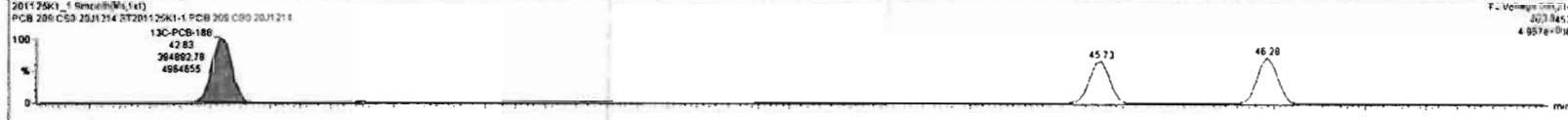
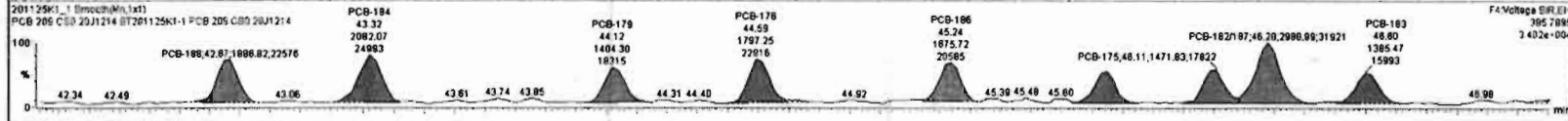
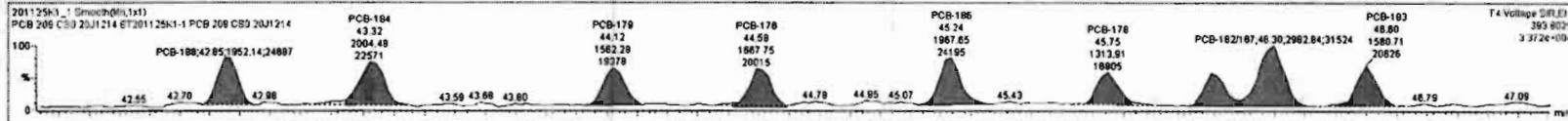
**PFK4c**

201125K1\_1



#	Name	Resp	RA	nly	RT	wtVol	Pred RT	RT	Pred R	WRT	PRT Fail	Conc	Misc	CL	DMPC
220	230 4th Function Penta-PCBs				1.0512	1.000	0.00	0.000	0.000	NO	1.206	0.0571	1.206		
221	231 3rd Function Hexa-PCBs				0.7910	1.000	0.00	0.000	0.000	NO	3.806	0.244	3.806		
222	232 4th Function Hexa-PCBs				0.9455	1.000	0.00	0.000	0.000	NO	7.316	0.396	7.316		
223	233 Total Hepta-PCBs				1.2043	1.000	0.00	0.000	0.000	NO	8.137	0.694	8.137		
224	234 4th Function Octa-PCBs				0.8605	1.000	0.00	0.000	0.000	NO	2.373	0.155	2.373		
225	235 5th Function Octa-PCBs				1.0957	1.000	0.00	0.000	0.000	NO	0.8026	0.0232	0.8030		
226	236 Total Nona-PCBs				0.8871	1.000	0.00	0.000	0.000	NO	0.8122	0.0310	0.8120		
227	237 Deca-CB				0.8627	1.000	0.00	0.000	0.000	NO	0.2910	0.0098	0.2920		

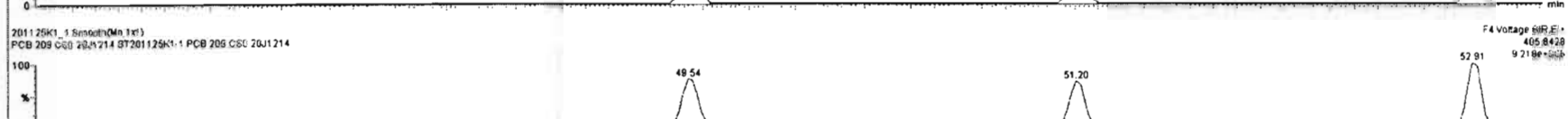
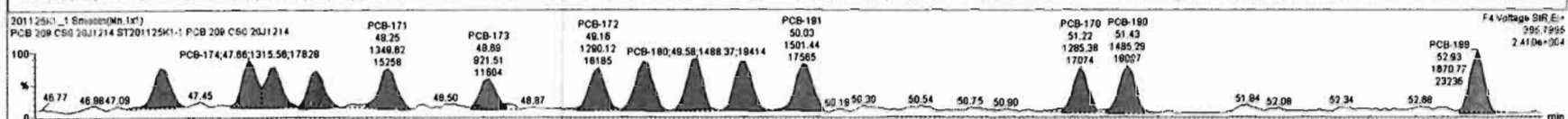
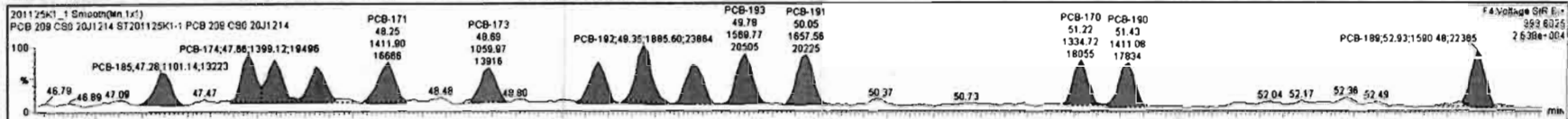
#	Name	Pred RT	RT	wt Resp	m2 Resp	1* Ratio (Pred)	RA	nly	DMPC	Conc
1	131 PCB-188	42.87	42.85	1.952e3	1.887e3	1.000	1.03	NO	0.26900	0.26598
2	132 PCB-184	43.30	43.32	2.004e3	2.082e3	1.050	0.98	NO	0.26900	0.26598
3	133 PCB-178	44.12	44.12	1.582e3	1.404e3	1.050	1.11	NO	0.22000	0.21690
4	134 PCB-176	44.59	44.59	1.869e3	1.797e3	1.050	0.93	NO	0.24800	0.24401
5	135 PCB-186	45.24	45.24	1.988e3	1.878e3	1.050	1.17	NO	0.23800	0.23571
6	136 PCB-178	45.75	45.75	1.314e3	1.285e3	1.050	1.04	NO	0.24700	0.24743





#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	1.296		0.0571	1.296
231	231 3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	3.806		0.344	3.806
232	232 4th Function Hexa-PCBs				0.9455	1.000	0.00		0.000		NO	7.318		0.396	7.318
233	233 Total Hepta-PCBs				1.2063	1.000	0.00		0.000		NO	6.137		0.894	6.137
234	234 4th Function Octa-PCBs				0.8605	1.000	0.00		0.000		NO	2.373		0.155	2.373
235	235 5th Function Octa-PCBs				1.0657	1.000	0.00		0.000		NO	0.8026		0.0232	0.8030
236	236 Total Nona-PCBs				0.8871	1.000	0.00		0.000		NO	0.8122		0.0310	0.8120
237	237 Deca-CD				0.8627	1.000	0.00		0.000		NO	0.2918		0.00199	0.2920

#	Name	Pred.RT	RT	wt Resp	nt Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc
1	131 PCB-188	42.87	42.85	1.952e3	1.887e3	1.050	1.03	NO	0.28600	0.28596
2	132 PCB-184	43.32	43.32	2.004e3	2.002e3	1.050	0.96	NO	0.28600	0.28558
3	133 PCB-179	44.12	44.12	1.562e3	1.404e3	1.050	1.11	NO	0.22000	0.21990
4	134 PCB-176	44.58	44.58	1.696e3	1.797e3	1.050	0.93	NO	0.24800	0.24801
5	135 PCB-186	45.24	45.24	1.866e3	1.878e3	1.050	1.17	NO	0.23900	0.23571
6	136 PCB-178	45.75	45.75	1.314e3	1.285e3	1.050	1.04	NO	0.24700	0.24743





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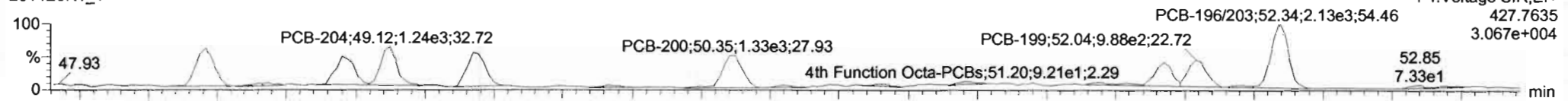
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

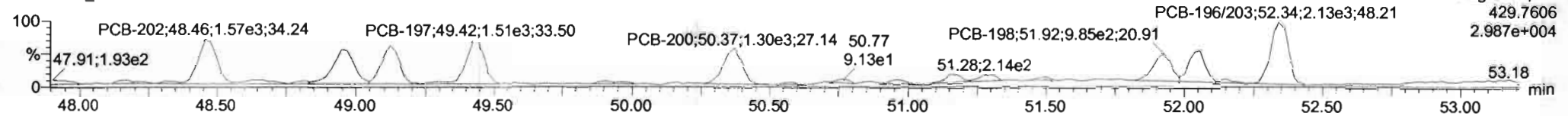
Name: 201125K1\_1, Date: 25-Nov-2020, Time: 09:48:37, ID: ST201125K1-1 PCB 209 CS0 20J1214, Description: PCB 209 CS0 20J1214

**PCB-202**

201125K1\_1

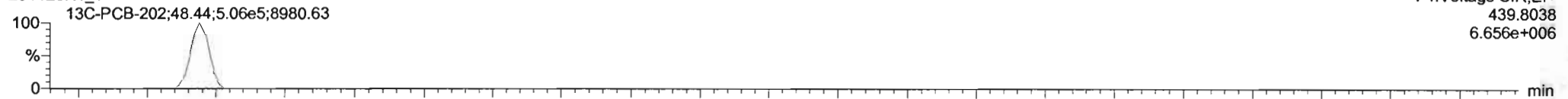


201125K1\_1

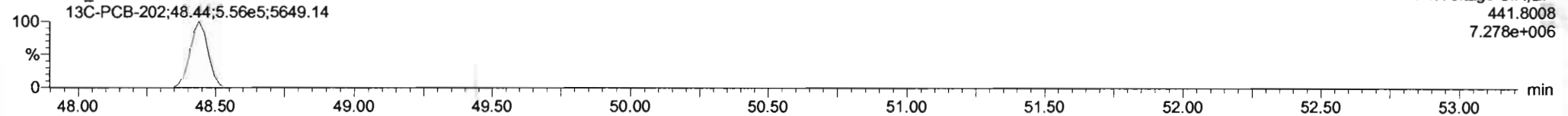


**13C-PCB-202**

201125K1\_1

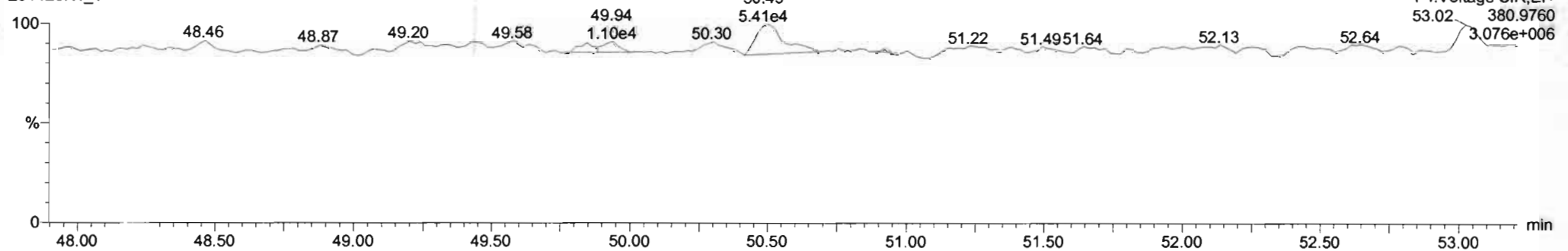


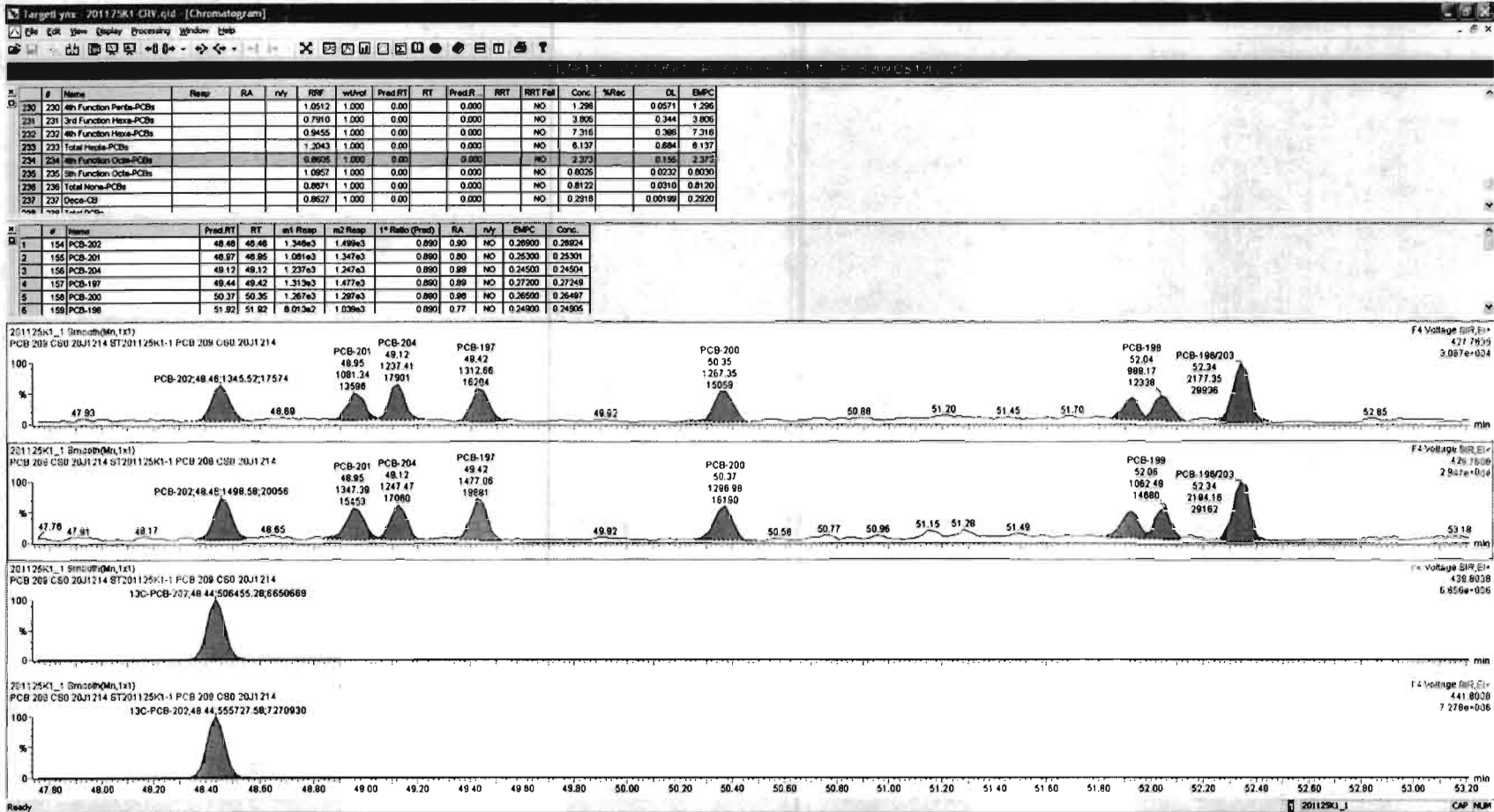
201125K1\_1



**PFK4d**

201125K1\_1





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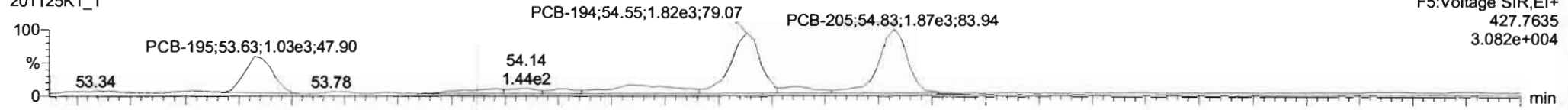
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

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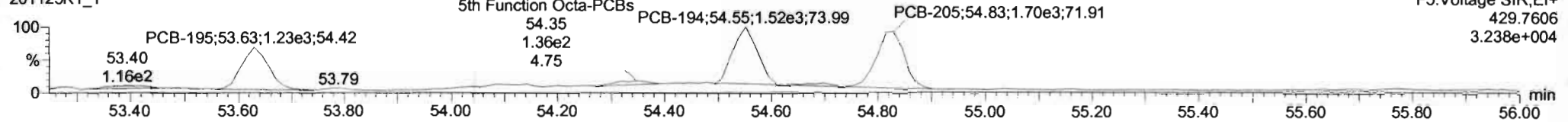
**PCB-195**

201125K1\_1



F5:Voltage SIR,EI+  
427.7635  
3.082e+004

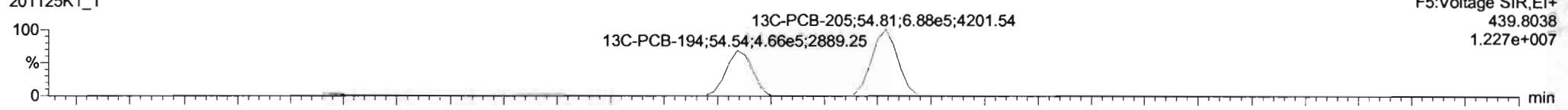
201125K1\_1



F5:Voltage SIR,EI+  
429.7606  
3.238e+004

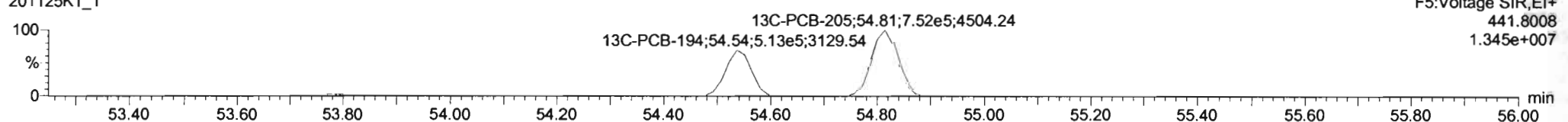
**13C-PCB-194**

201125K1\_1



F5:Voltage SIR,EI+  
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1.227e+007

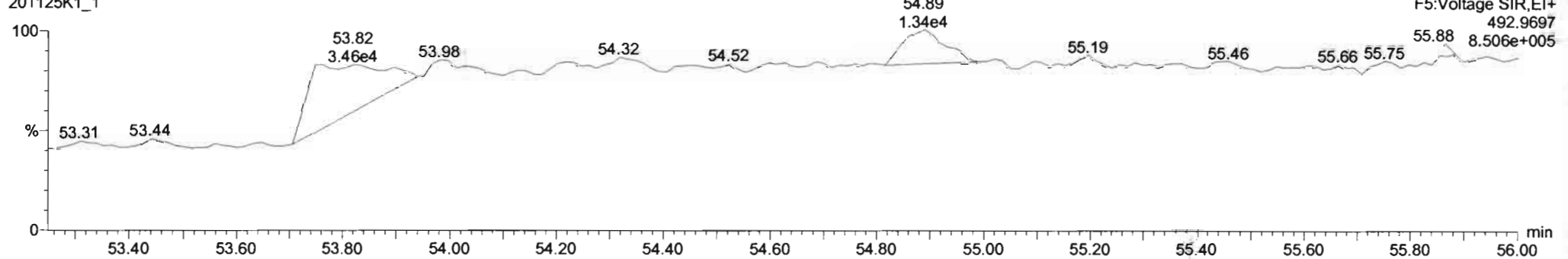
201125K1\_1



F5:Voltage SIR,EI+  
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1.345e+007

**PFK5a**

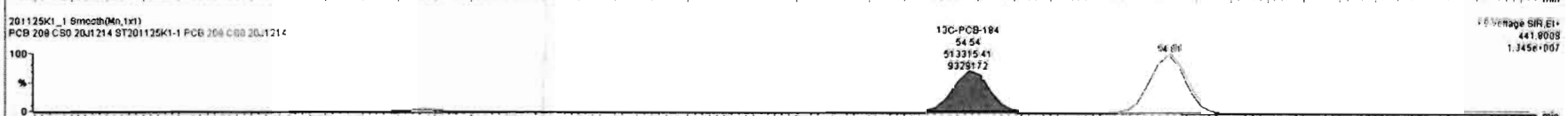
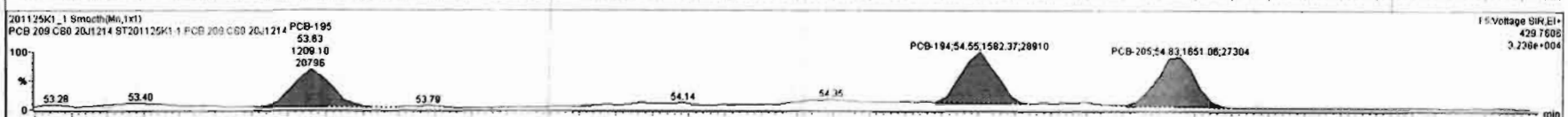
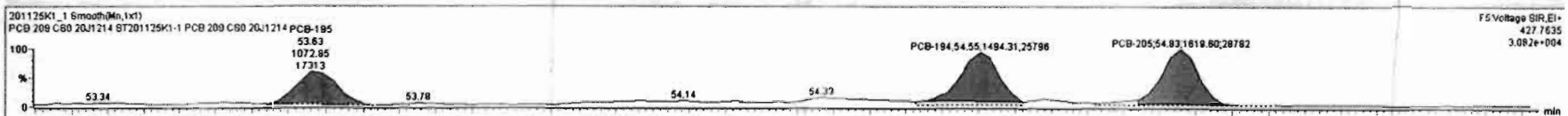
201125K1\_1



F5:Voltage SIR,EI+  
492.9697  
8.506e+005

#	Name	Resp	RA	nly	RPF	wt/wt	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	1.296		0.0571	1.296
231	231 3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	3.806		0.344	3.806
232	232 4th Function Hexa-PCBs				0.9455	1.000	0.00		0.000		NO	7.316		0.396	7.316
233	233 Total Hepta-PCBs				1.2043	1.000	0.00		0.000		NO	6.137		0.684	6.137
234	234 4th Function Octa-PCBs				0.8605	1.000	0.00		0.000		NO	2.373		0.155	2.373
235	235 5th Function Octa-PCBs				1.0957	1.000	0.00		0.000		NO	0.8036		0.0332	0.8036
236	236 Total Nona-PCBs				0.8871	1.000	0.00		0.000		NO	0.8122		0.0310	0.8120
237	237 Deca-CB				0.8627	1.000	0.00		0.000		NO	0.2918		0.00199	0.2920

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	nly	EMPC	Conc.
1	162 PCB-195	53.64	53.63	1.073e3	1.209e3	0.890	0.69	NO	0.24300	0.24337
2	163 PCB-194	54.55	54.55	1.494e3	1.592e3	0.890	0.94	NO	0.29600	0.29614
3	164 PCB-205	54.83	54.83	1.620e3	1.651e3	0.890	0.99	NO	0.26300	0.26312



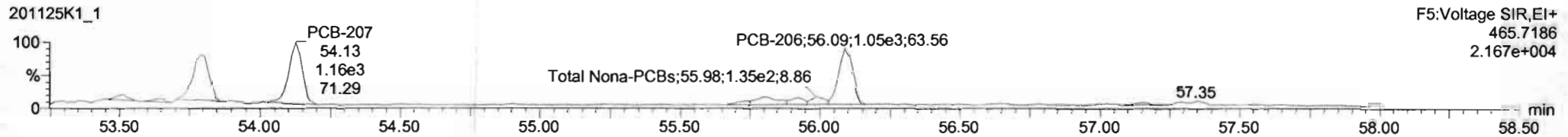
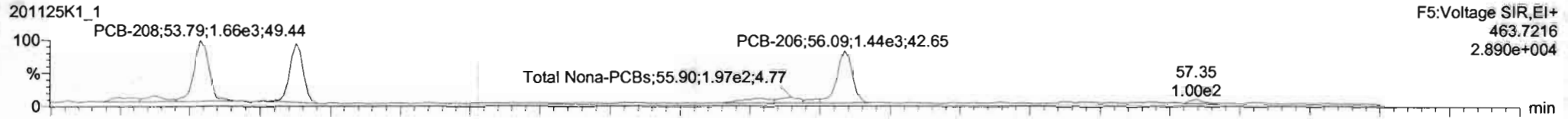
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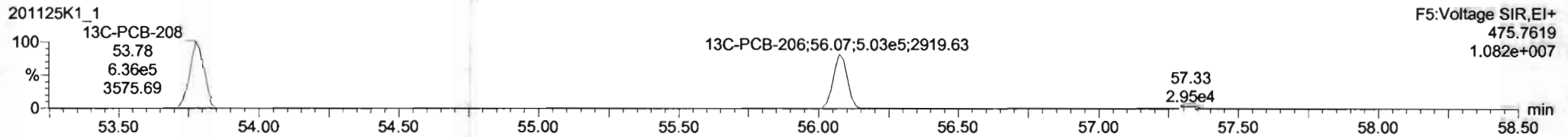
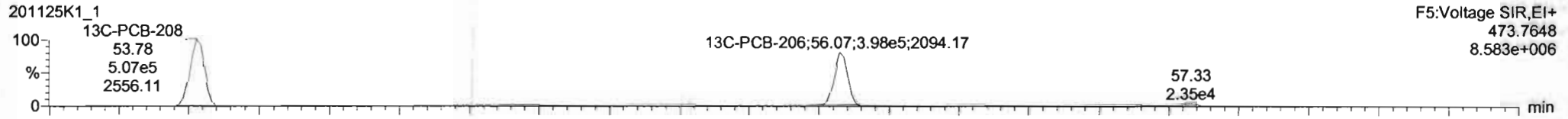
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Name: 201125K1\_1, Date: 25-Nov-2020, Time: 09:48:37, ID: ST201125K1-1 PCB 209 CS0 20J1214, Description: PCB 209 CS0 20J1214

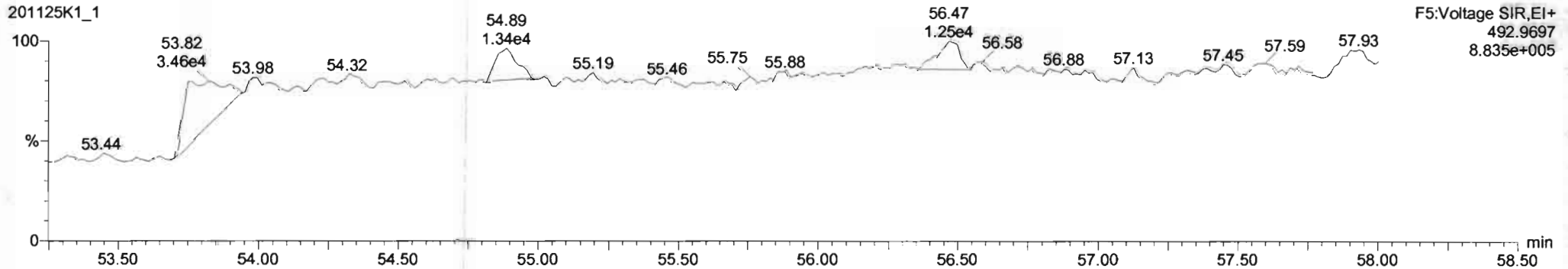
**PCB-208**



**13C-PCB-208**

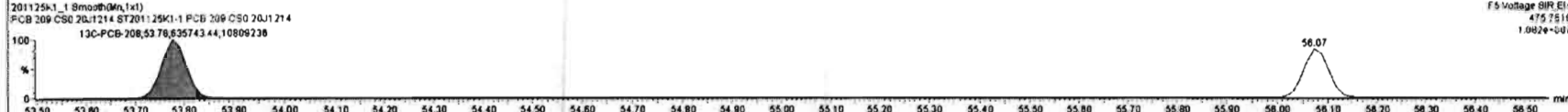
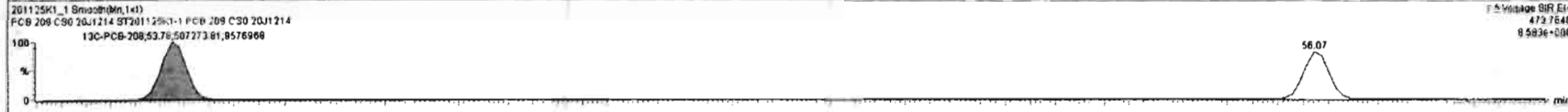


**PFK5**



#	Name	Resp	RA	nly	RRF	wAcet	Pred RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	4th Function Penta-PCBs				1.0512	1.000	0.00	0.000	0.000	NO		1.296	0.0571	1.296	
231	3rd Function Hexa-PCBs				0.7910	1.000	0.00	0.000	0.000	NO		3.806	0.344	3.806	
232	4th Function Hexa-PCBs				0.9455	1.000	0.00	0.000	0.000	NO		7.316	0.399	7.316	
233	Total Hepta-PCBs				1.2043	1.000	0.00	0.000	0.000	NO		6.137	0.664	6.137	
234	4th Function Octa-PCBs				0.8605	1.000	0.00	0.000	0.000	NO		2.373	0.156	2.373	
235	5th Function Octa-PCBs				1.0957	1.000	0.00	0.000	0.000	NO		0.8026	0.0222	0.8030	
236	Total Nona-PCBs				0.8627	1.000	0.00	0.000	0.000	NO		0.8122	0.0210	0.8120	
237	Deca-Cl				0.8627	1.000	0.00	0.000	0.000	NO		0.2918	0.00199	0.2920	

#	Name	Pred RT	RT	m1 Resp	m2 Resp	** Ratio (Pred)	RA	nly	EMPC	Conc.
1	165 PCB-208	53.79	53.79	1.489e3	9.991e2	1.340	1.48	NO	0.25300	0.26290
2	166 PCB-207	54.13	54.13	1.489e3	1.157e3	1.340	1.29	NO	0.27300	0.27254
3	167 PCB-206	56.09	56.09	1.405e3	1.053e3	1.340	1.33	NO	0.28700	0.28671



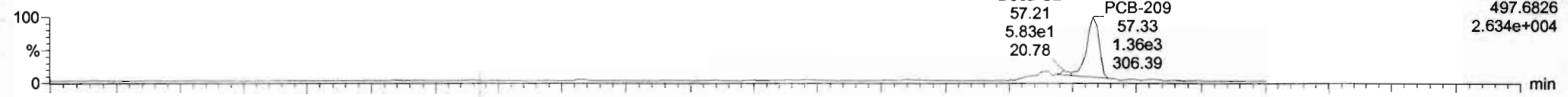
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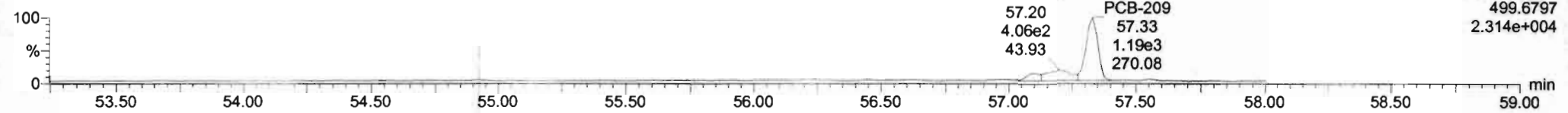
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**PCB-209**

201125K1\_1

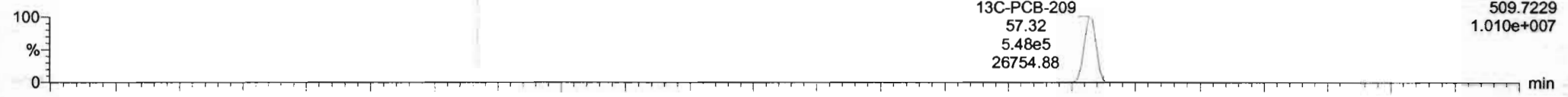


201125K1\_1

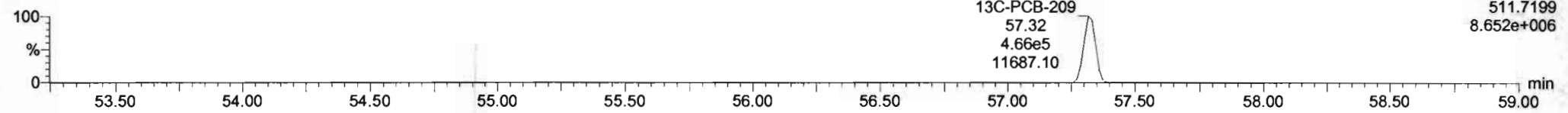


**13C-PCB-209**

201125K1\_1

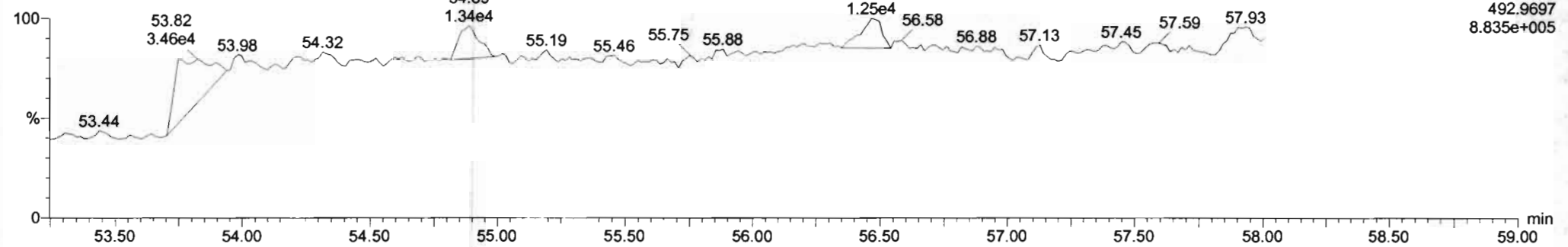


201125K1\_1

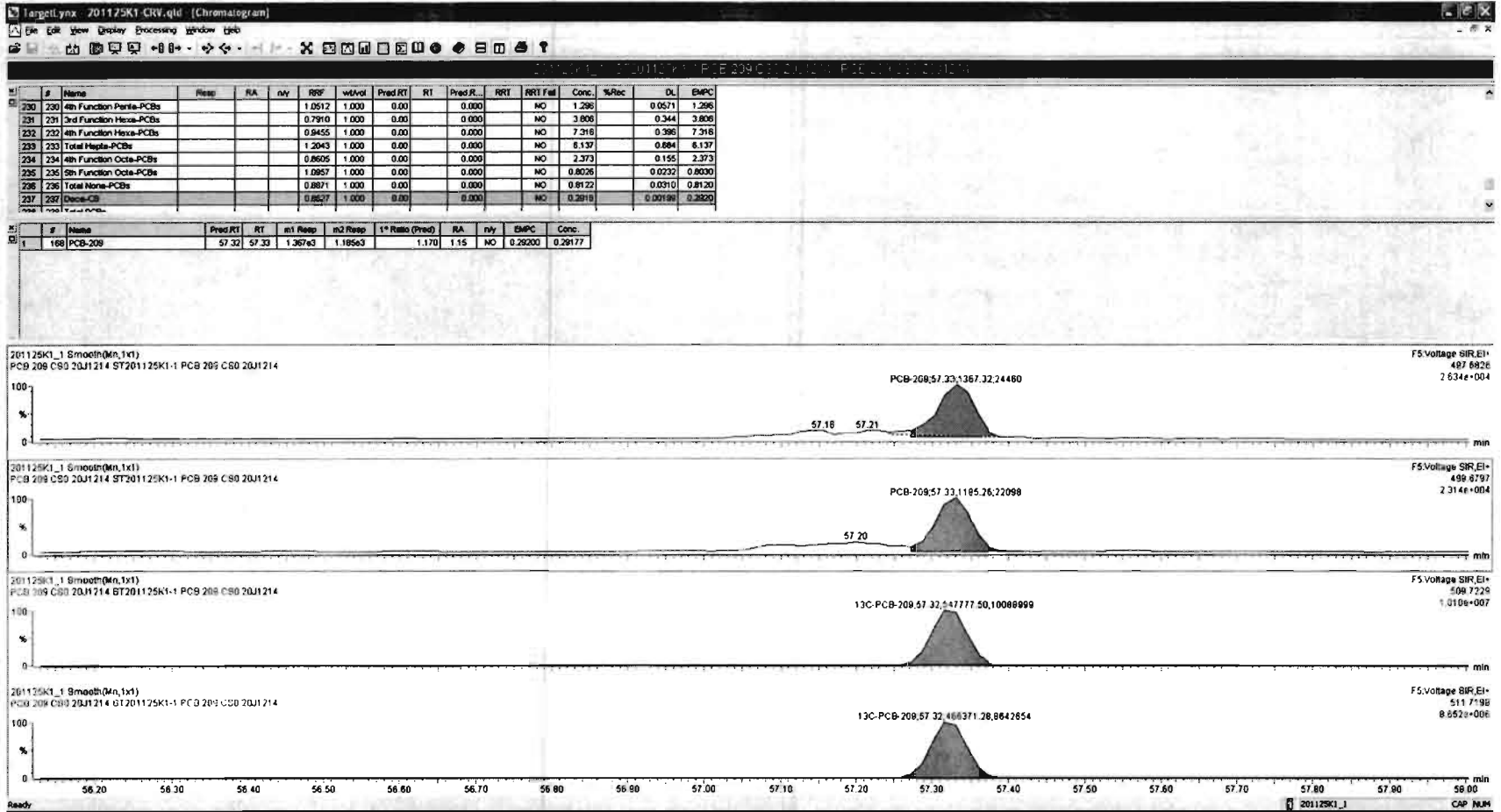


**PFK5b**

201125K1\_1









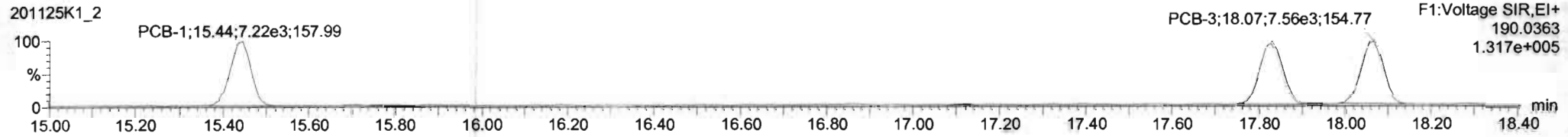
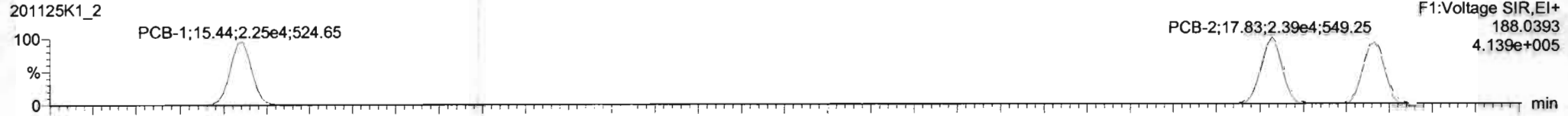
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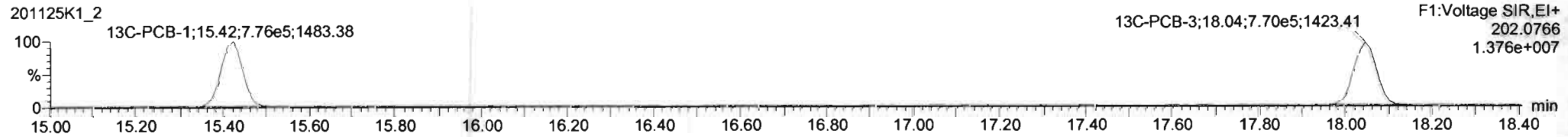
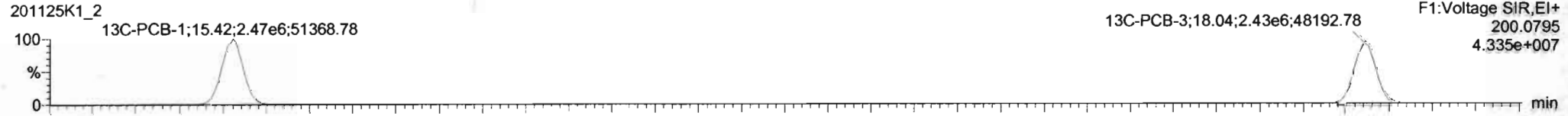
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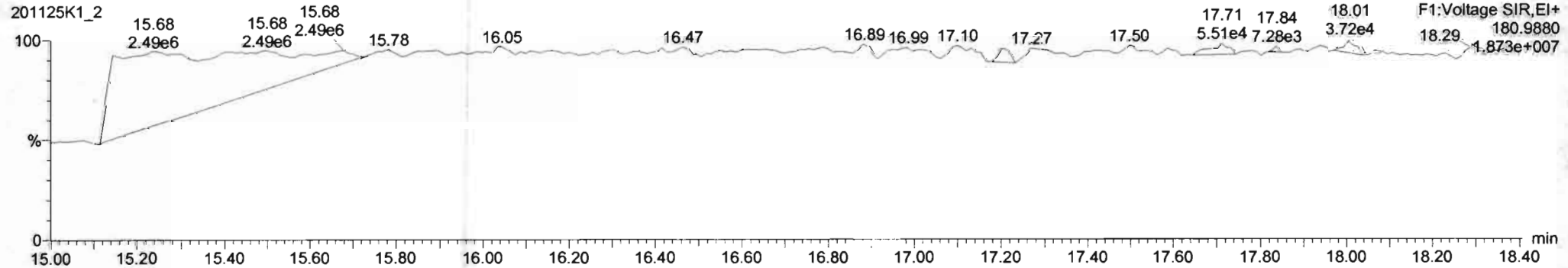
**PCB-1**



**13C-PCB-1**



**PFK1**

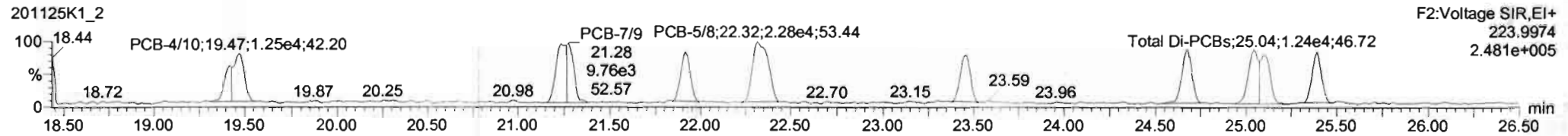
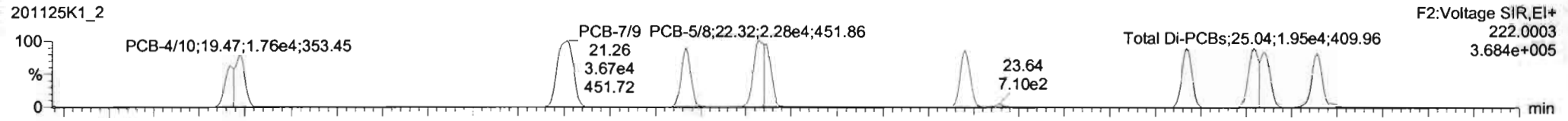


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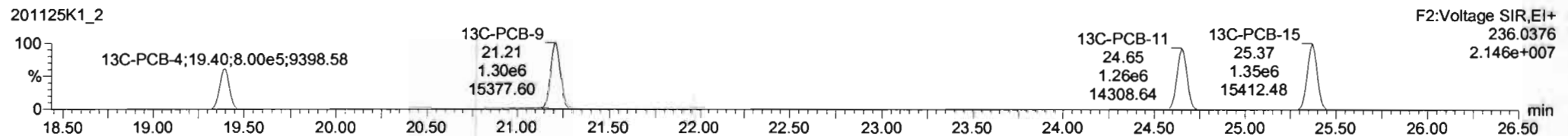
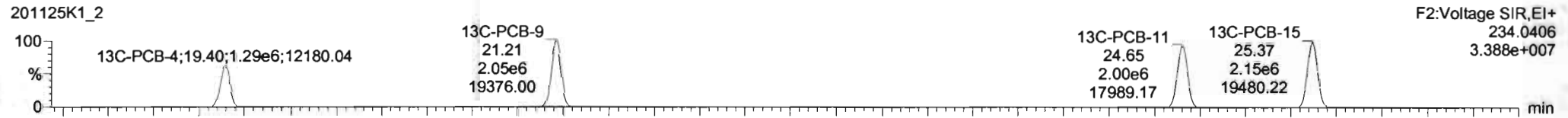
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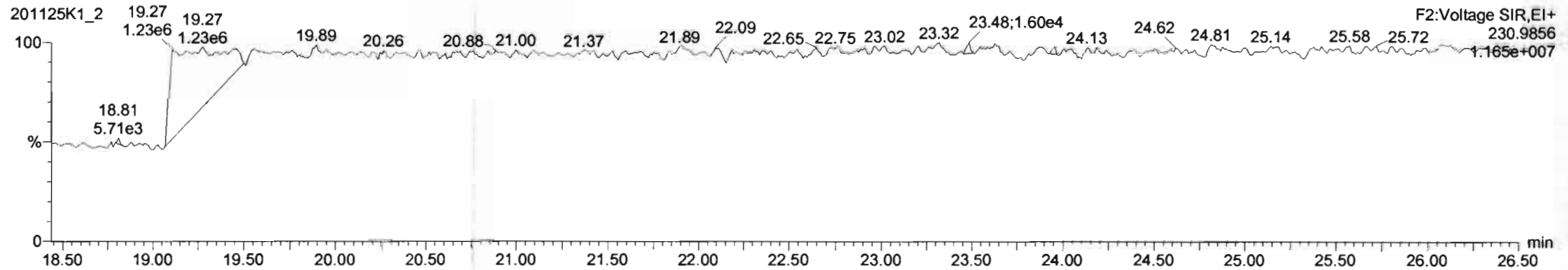
**PCB-4/10**



**13C-PCB-4**

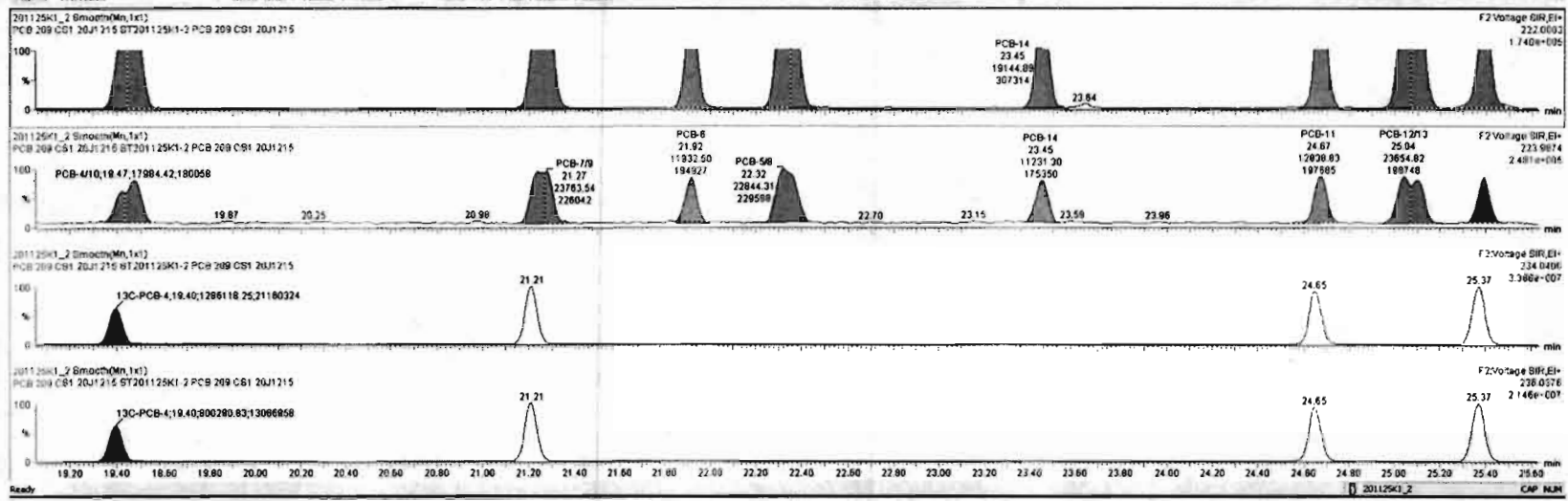


**PFK2a**



#	Name	Resp	RA	nly	RF	wt/Std	Prod RT	RT	Prod R	RTI	RTI fail	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	2.29e5	0.78	NO	1.0415	1.000	37.63	37.62	0.999	0.987	NO	100.7	101	0.0308	
223	13C-PCB-178	9.73e5	0.47	NO	1.0180	1.000	45.71	45.71	0.922	0.922	NO	104.2	104	0.0292	
224	Total Mono-PCBs				1.0024	1.000	0.00	0.000			NO	2.858		0.0171	2.858
225	Total Di-PCBs				1.0387	1.000	0.00	0.000			NO	11.22		0.199	11.22
226	2nd Function Tri-PCBs				0.8434	1.000	0.00	0.000			NO	7.521		0.0710	7.521
227	3rd Function Tri-PCBs				0.8687	1.000	0.00	0.000			NO	15.32		0.163	15.32
228	Total Tetra-PCBs				0.9810	1.000	0.00	0.000			NO	38.12		0.233	38.12
229	3rd Function Penta-PCBs				1.1133	1.000	0.00	0.000			NO	37.67		0.302	37.67

#	Name	Prod RT	RT	wt Resp	n2 Resp	1* Ratio (Prod)	RA	nly	EMPC	Conc.
4	PCB-4/10	19.48	19.47	2.900e4	1.790e4	1.560	1.61	NO	1.8650	1.8651
5	PCB-7/9	21.27	21.26	3.687e4	2.378e4	1.560	1.54	NO	1.9230	1.9226
6	PCB-6	21.92	21.92	1.825e4	1.180e4	1.560	1.61	NO	0.90500	0.90471
7	PCB-5/8	22.32	22.32	3.799e4	2.294e4	1.560	1.66	NO	1.8630	1.8630
8	PCB-14	23.44	23.45	1.814e4	1.123e4	1.560	1.71	NO	0.80500	0.80852
9	PCB-11	24.67	24.67	2.085e4	1.284e4	1.560	1.62	NO	0.82400	0.82443
10	PCB-12/13	25.10	25.04	3.846e4	2.365e4	1.560	1.83	NO	1.8670	1.8688
11	PCB-14	26.36	26.36	1.847e4	1.147e4	1.560	1.70	NO	0.83200	0.83178

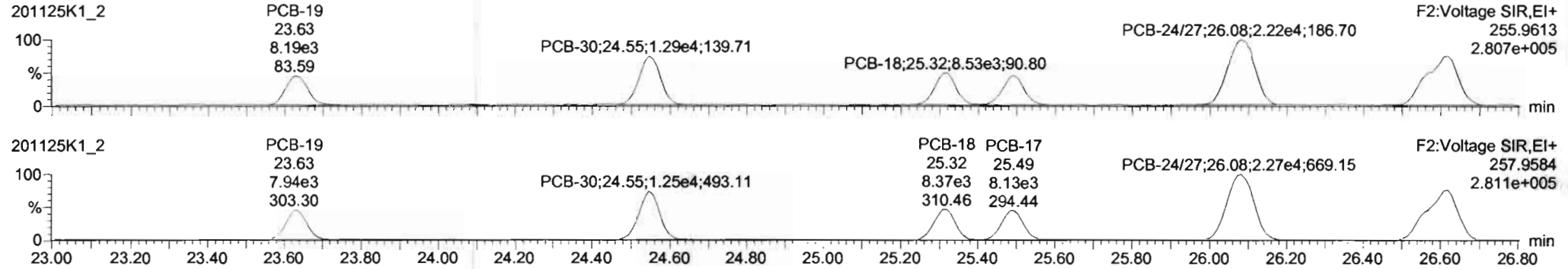


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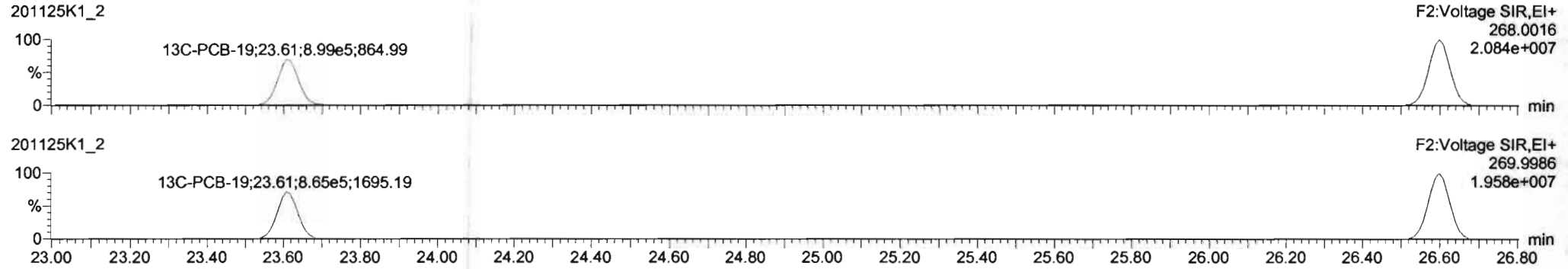
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Name: 201125K1\_2, Date: 25-Nov-2020, Time: 10:48:14, ID: ST201125K1-2 PCB 209 CS1 20J1215, Description: PCB 209 CS1 20J1215

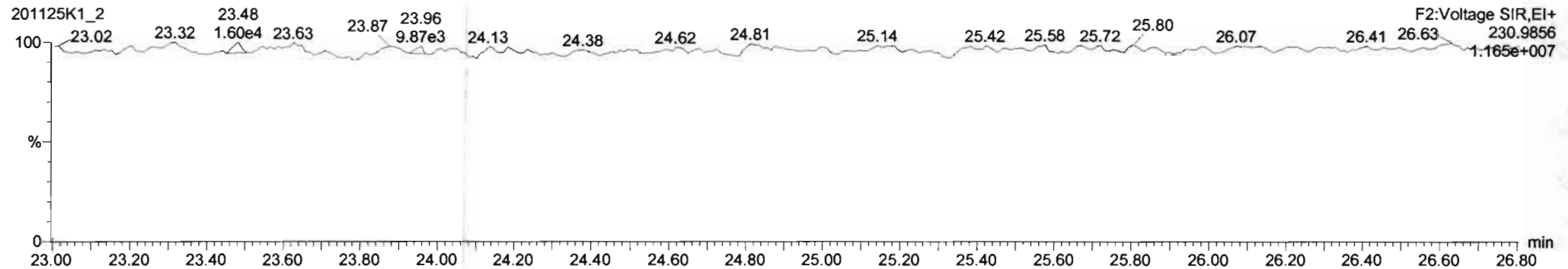
**PCB-19**



**13C-PCB-19**



**PFK2b**

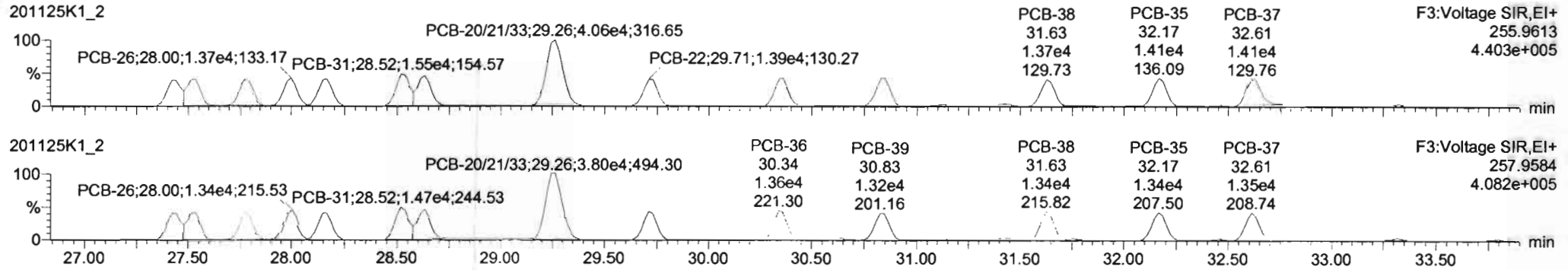


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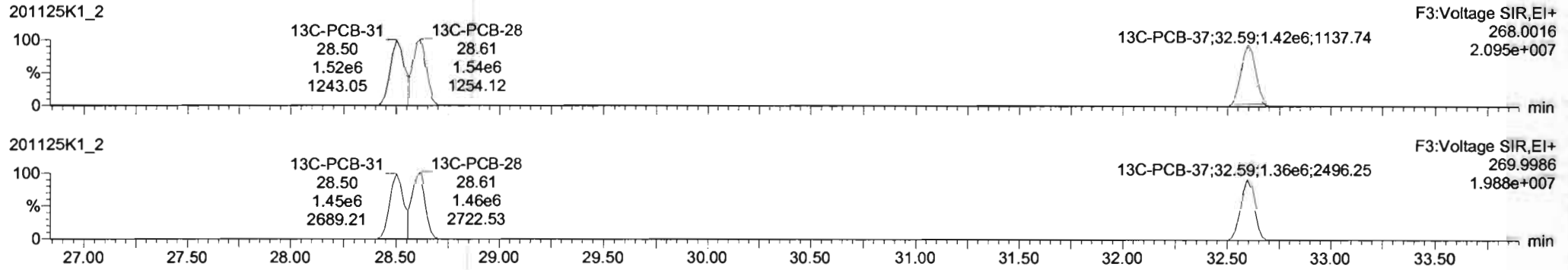
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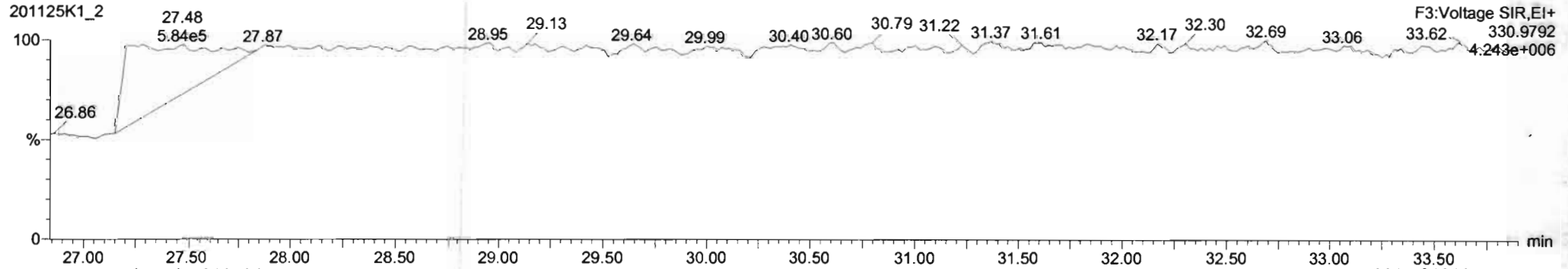
**PCB-34**



**13C-PCB-28**

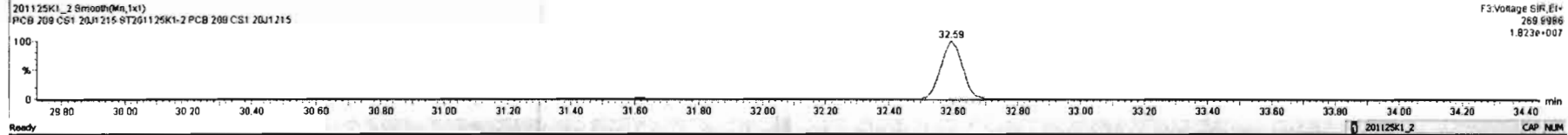
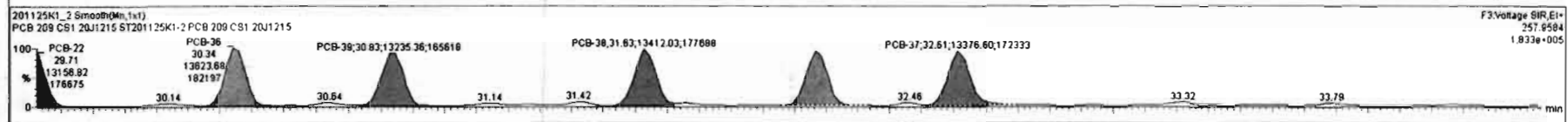
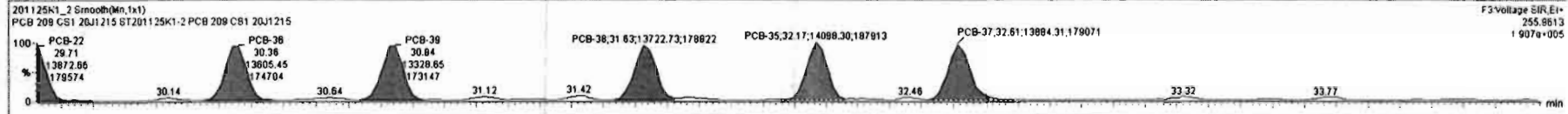


**PFK3d**



#	Name	Resp	RA	rvj	RRF	wtAval	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	2.28e8	0.79	NO	1.0415	1.000	37.63	37.62	0.999	0.997	NO	100.7	101	0.0308	
223	13C-PCB-178	8.73e5	0.47	NO	1.0180	1.000	45.71	45.71	0.923	0.923	NO	104.2	104	0.0382	
224	Total Mono-PCBs				1.0034	1.000	0.00		0.000	0.000	NO	2.858		0.0171	2.858
225	Total Di-PCBs				1.0367	1.000	0.00		0.000	0.000	NO	11.23		0.159	11.23
226	2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000	0.000	NO	7.521		0.0710	7.521
227	3rd Function Tri-PCBs				8.9567	1.000	0.00		0.000	0.000	NO	15.30		0.183	15.30
228	Total Tetra-PCBs				0.9910	1.000	0.00		0.000	0.000	NO	39.12		0.233	39.12
229	3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000	0.000	NO	37.67		0.302	37.67

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	rvj	EMPC	Conc.
1	18 PCB-34	27.44	27.42	1.312e4	1.278e4	1.040	1.03	NO	0.98300	0.99272
2	19 PCB-23	27.53	27.53	1.311e4	1.256e4	1.040	1.04	NO	0.95900	0.95861
3	20 PCB-29	27.77	27.77	1.314e4	1.241e4	1.040	1.06	NO	0.98800	0.98818
4	21 PCB-26	28.00	28.00	1.369e4	1.341e4	1.040	1.02	NO	0.98700	0.98701
5	22 PCB-25	28.16	28.17	1.359e4	1.272e4	1.040	1.07	NO	0.95800	0.95764
6	23 PCB-31	28.53	28.52	1.551e4	1.472e4	1.040	1.05	NO	0.97700	0.97741
7	24 PCB-28	28.83	28.83	1.548e4	1.364e4	1.040	1.13	NO	0.95600	0.95607
18	18 PCB-34	28.27	28.26	4.059e4	3.798e4	1.040	1.07	NO	0.96901	0.96777

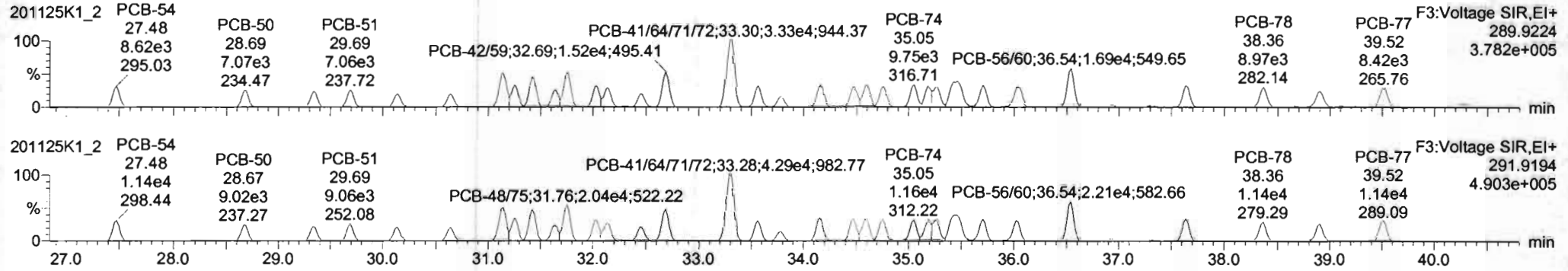


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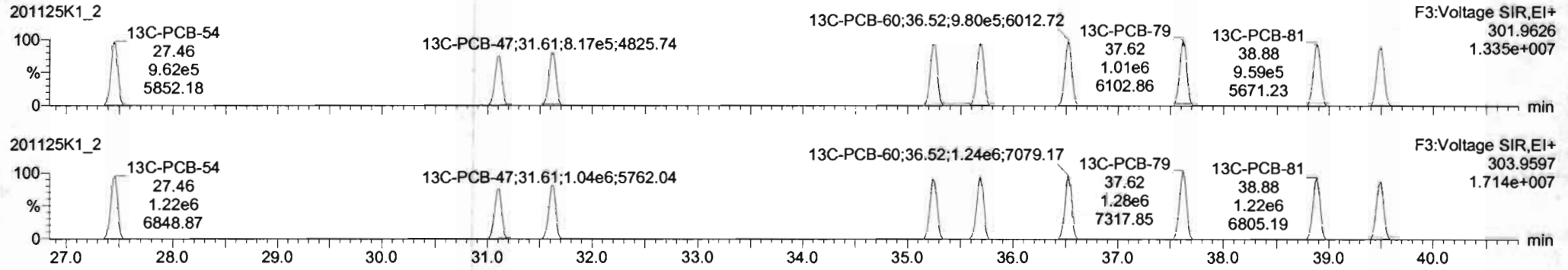
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Name: 201125K1\_2, Date: 25-Nov-2020, Time: 10:48:14, ID: ST201125K1-2 PCB 209 CS1 20J1215, Description: PCB 209 CS1 20J1215

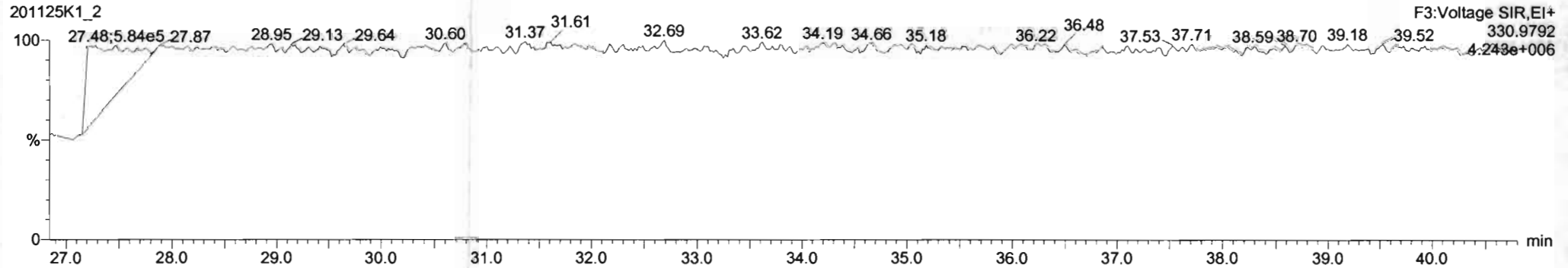
**PCB-54**



**13C-PCB-54**



**PFK3a**



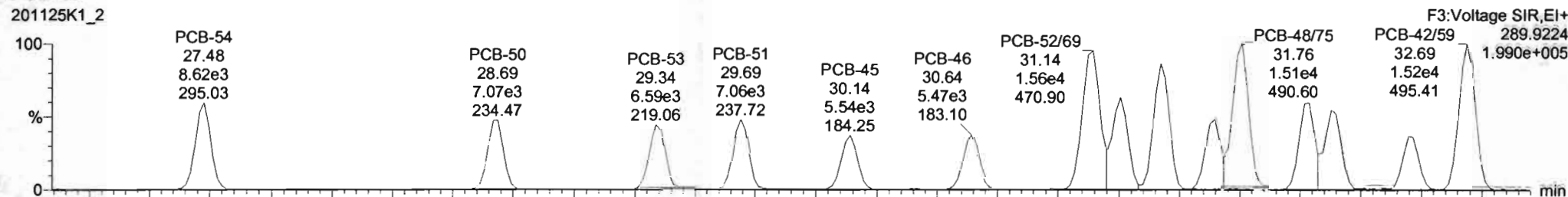
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

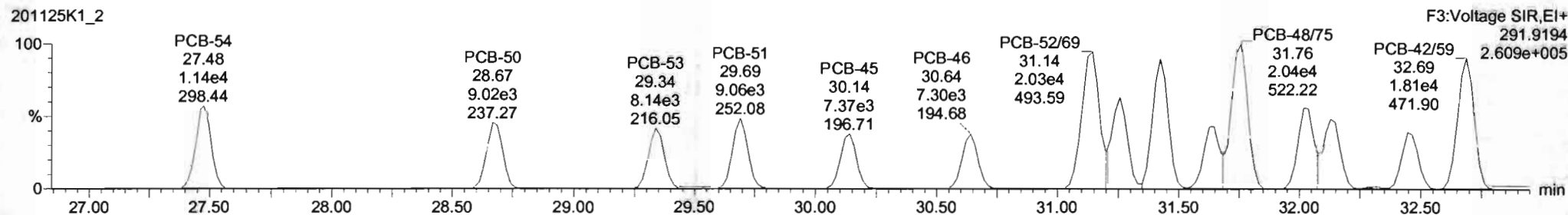
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**PCB-50**

201125K1\_2

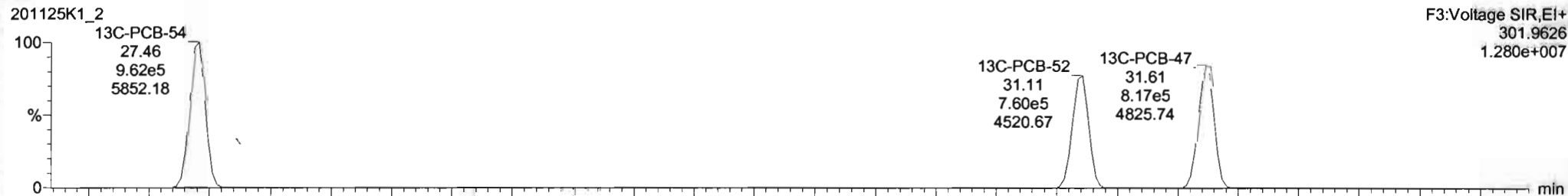


201125K1\_2

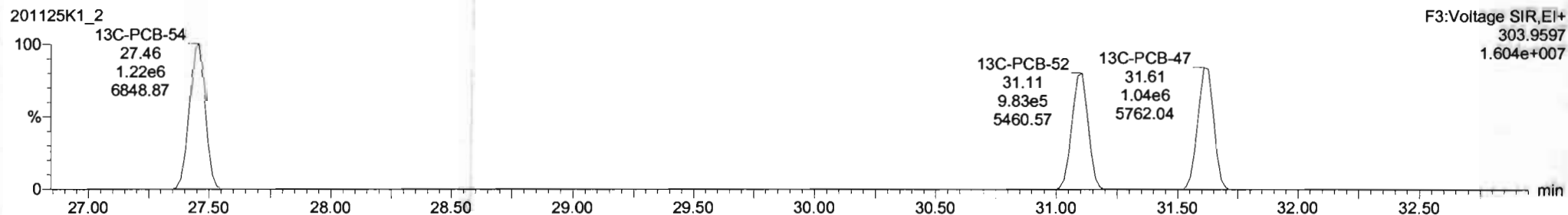


**13C-PCB-52**

201125K1\_2



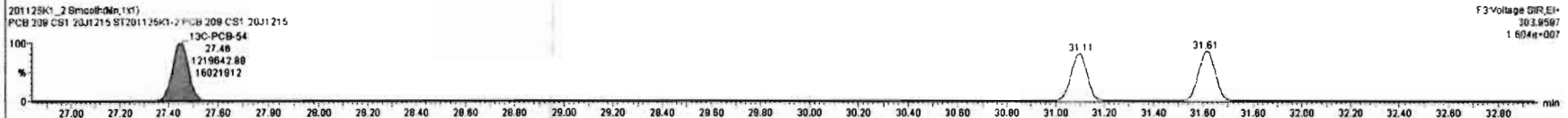
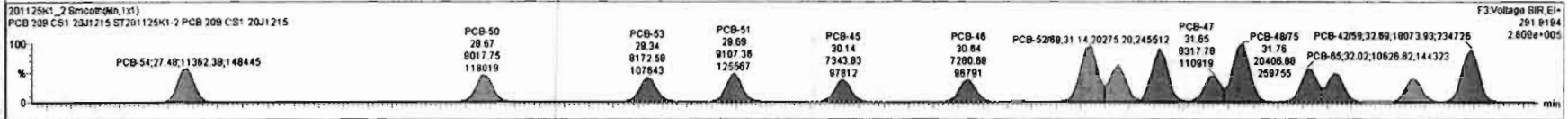
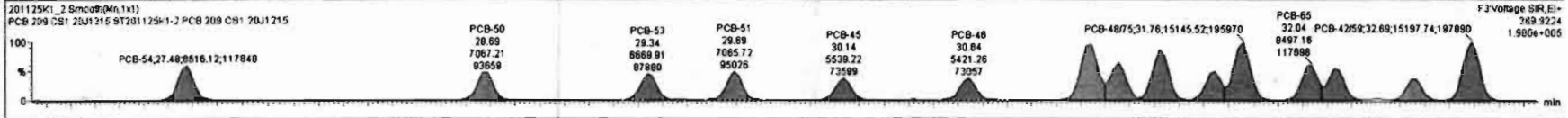
201125K1\_2





#	Name	Resp	RA	nly	RRF	wt/vol	Pred RT	RT	Pred R <sub>z</sub>	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	2.79e6	0.78	NO	1.0415	1.000	37.83	37.82	0.968	0.967	NO	100.7	101	0.0308	
223	13C-PCB-178	9.73e5	0.47	NO	1.0190	1.000	45.71	45.71	0.923	0.923	NO	104.2	104	0.0392	
224	Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	2.858		0.0171	2.858
225	Total Di-PCBs				1.0367	1.000	0.00		0.000		NO	11.22		0.158	11.22
226	2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	7.521		0.0710	7.521
227	3rd Function Tri-PCBs				0.9687	1.000	0.00		0.000		NO	15.32		0.163	15.32
228	Total Tetra-PCBs				0.8919	1.000	0.00		0.000		NO	39.12		0.233	39.12
229	3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	37.87		0.302	37.87

#	Name	Pred RT	RT	nt Resp	nt Resp	1st Ratio (Pred)	RA	nly	EMPC	Conc
1	32 PCB-54	27.48	27.48	8.616e3	1.136e4	0.770	0.76	NO	0.94000	0.93991
2	33 PCB-50	28.68	28.68	7.067e3	9.018e3	0.770	0.78	NO	0.91800	0.91843
3	34 PCB-53	29.37	29.34	6.670e3	8.173e3	0.770	0.82	NO	0.90700	0.90703
4	35 PCB-51	29.70	29.69	7.066e3	9.107e3	0.770	0.78	NO	0.92800	0.92841
5	36 PCB-45	30.15	30.14	5.539e3	7.344e3	0.770	0.75	NO	0.92100	0.92116
6	37 PCB-46	30.85	30.84	5.421e3	7.281e3	0.770	0.75	NO	0.94600	0.94604
7	38 PCB-52/69	31.14	31.14	1.584e4	2.028e4	0.770	0.77	NO	1.90400	1.9044
8	39 PCB-71	31.26	31.26	8.964e3	1.244e4	0.770	0.76	NO	0.96000	0.96021

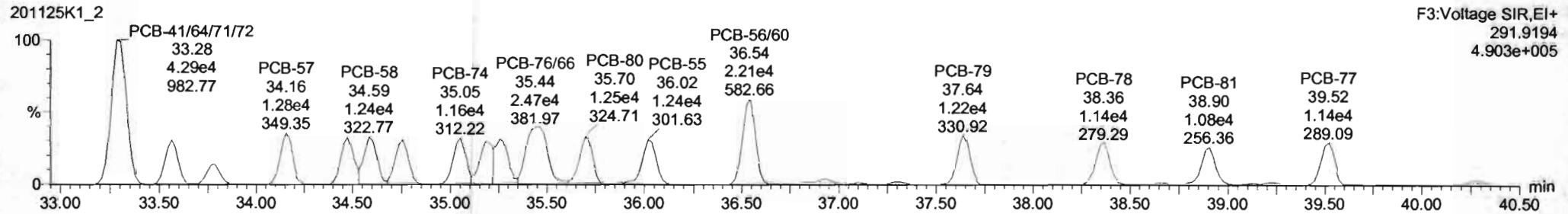
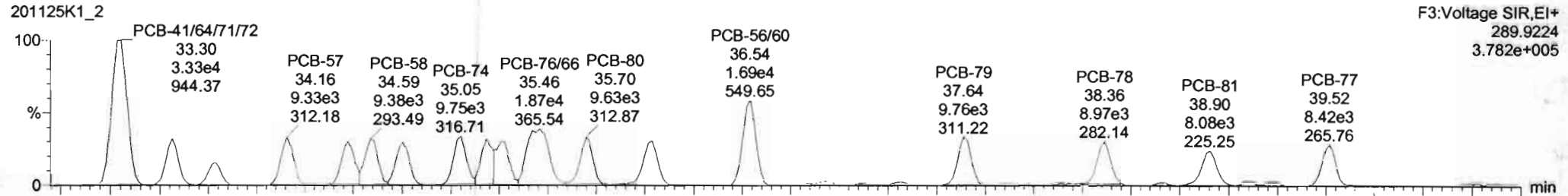


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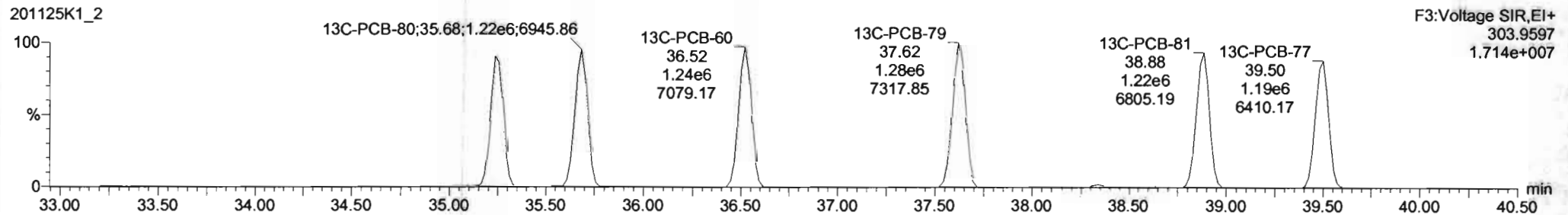
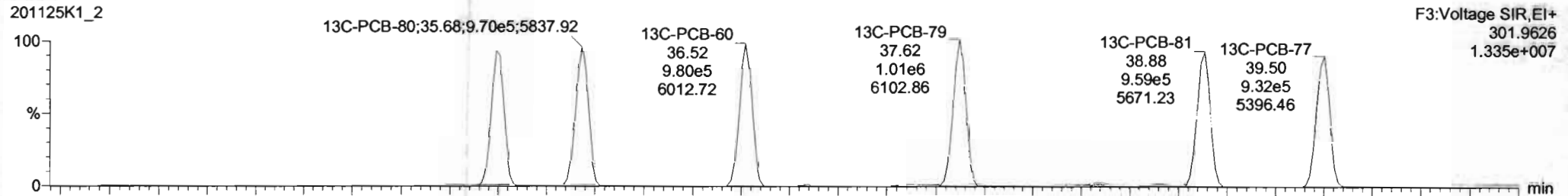
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Name: 201125K1\_2, Date: 25-Nov-2020, Time: 10:48:14, ID: ST201125K1-2 PCB 209 CS1 20J1215, Description: PCB 209 CS1 20J1215

**PCB-68**

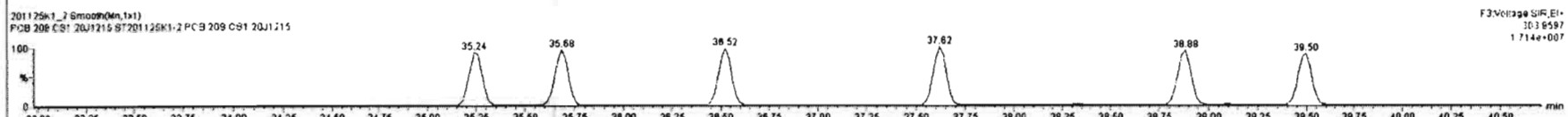
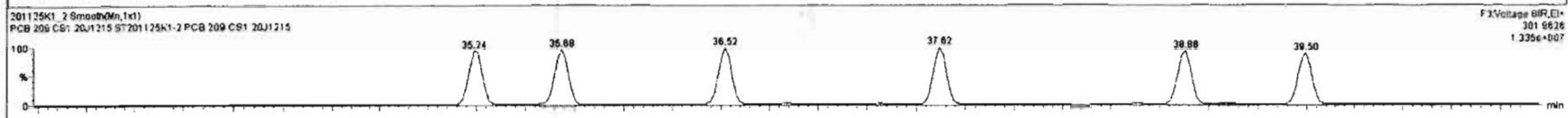
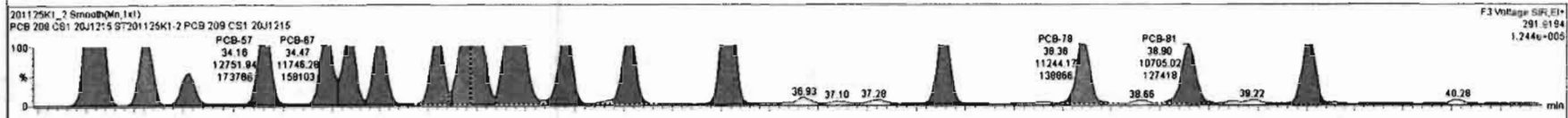
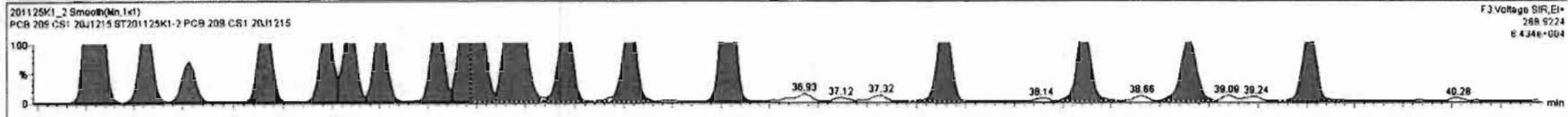


**13C-PCB-60**



#	Name	Resp	RA	nV	RPF	wtVol	Pred RT	RT	Pred_R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
222	13C-PCB-78	2.20e6	0.78	NO	1.0415	1.000	37.63	37.62	0.968	0.967	NO	100.7	101	0.0308	
223	13C-PCB-178	8.73e5	0.47	NO	1.0180	1.000	45.71	45.71	0.923	0.923	NO	104.2	104	0.0387	
224	Total Mono-PCBs				1.0034	1.000	0.00	0.000			NO	2.858		0.0171	2.858
225	Total Di-PCBs				1.0067	1.000	0.00	0.000			NO	11.22		0.158	11.22
226	2nd Function Tri-PCBs				0.9434	1.000	0.00	0.000			NO	7.521		0.0710	7.521
227	3rd Function Tri-PCBs				0.9687	1.000	0.00	0.000			NO	15.32		0.163	15.32
228	Total Tetra-PCBs				0.9910	1.000	0.00	0.000			NO	39.12		0.233	39.12
229	3rd Function Penta-PCBs				1.1133	1.000	0.00	0.000			NO	37.67		0.302	37.67

#	Name	Pred RT	RT	Int Resp	Int Ratio	1st Ratio (Pred)	RA	nV	EMPC	Conc
1	PCB-54	27.48	27.48	8.616e3	1.136e4	0.770	0.78	NO	0.94000	0.93991
2	PCB-50	28.68	28.69	7.067e3	9.019e3	0.770	0.78	NO	0.91600	0.91843
3	PCB-53	29.37	29.34	6.670e3	8.173e3	0.770	0.82	NO	0.90700	0.90703
4	PCB-51	29.70	29.68	7.066e3	8.107e3	0.770	0.78	NO	0.92000	0.92041
5	PCB-45	30.15	30.14	5.529e3	7.344e3	0.770	0.75	NO	0.92100	0.92116
6	PCB-46	30.65	30.64	5.421e3	7.281e3	0.770	0.75	NO	0.94600	0.94604
7	PCB-52/89	31.14	31.14	1.564e4	2.028e4	0.770	0.77	NO	1.90400	1.9044
8	PCB-71	31.26	31.26	8.363e3	1.294e4	0.770	0.78	NO	0.96300	0.96321

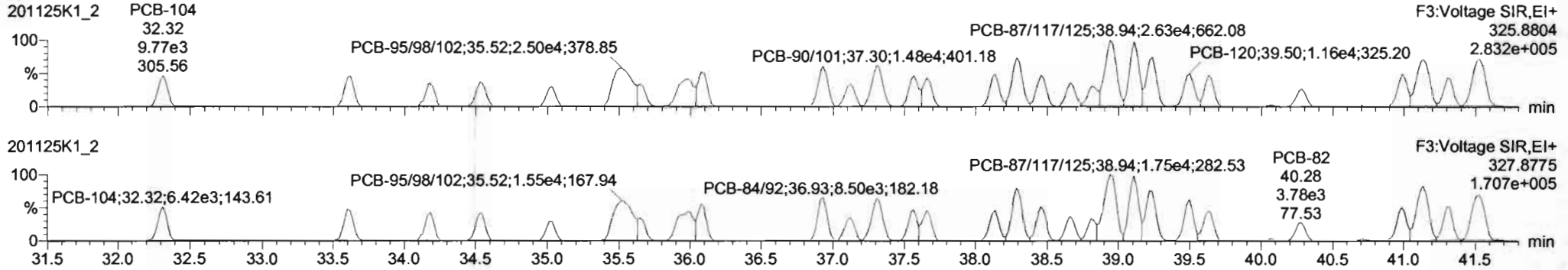


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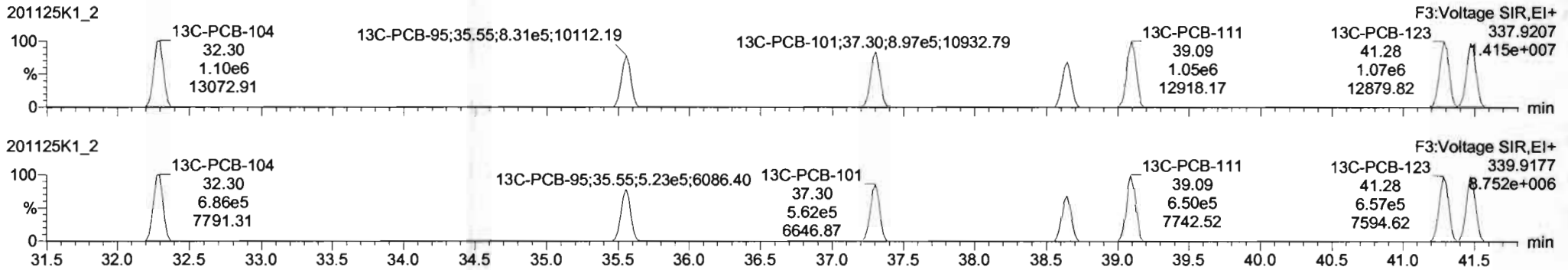
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_2, Date: 25-Nov-2020, Time: 10:48:14, ID: ST201125K1-2 PCB 209 CS1 20J1215, Description: PCB 209 CS1 20J1215

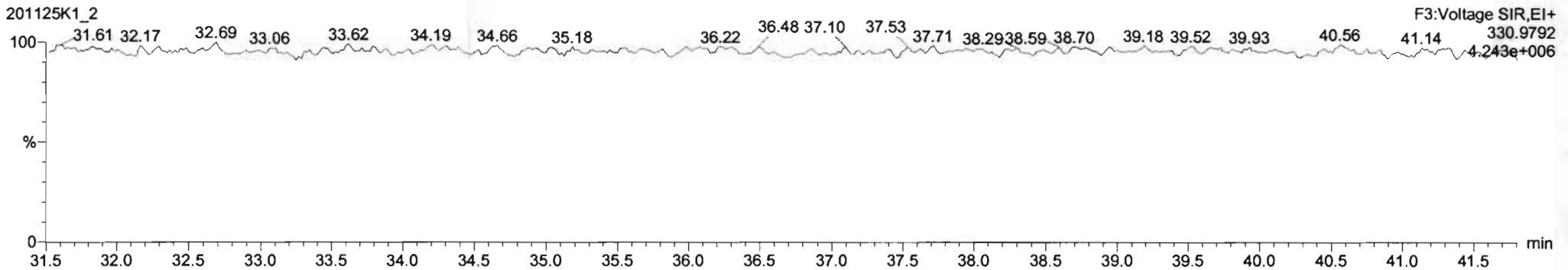
**PCB-104**



**13C-PCB-104**



**PFK3b**

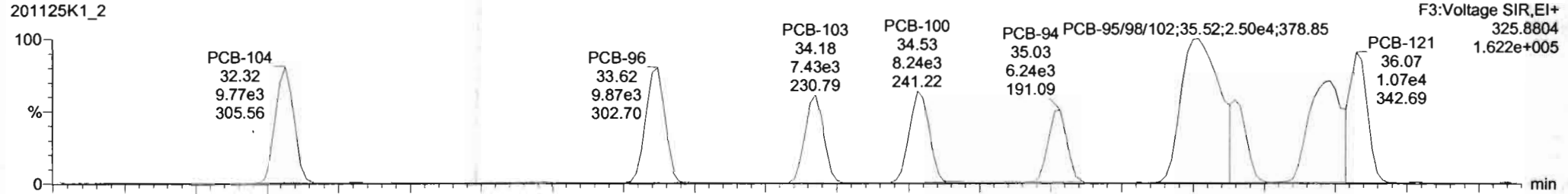


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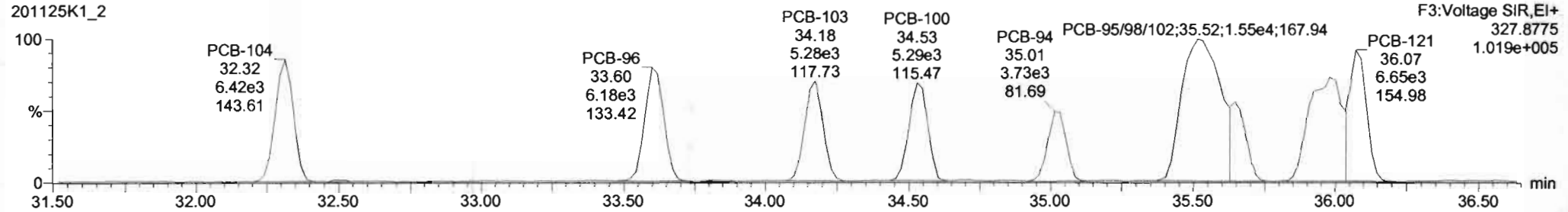
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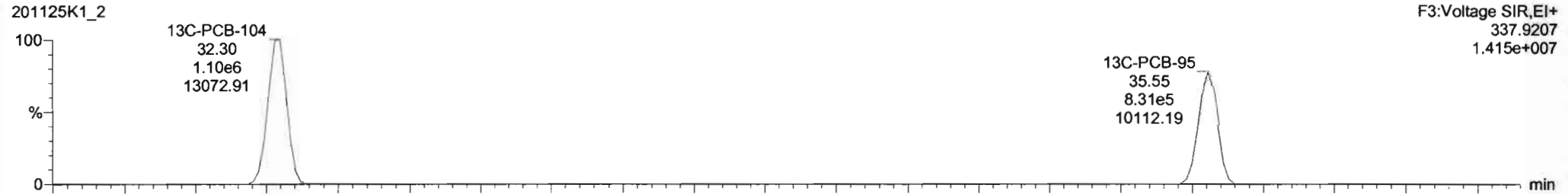
**PCB-96**



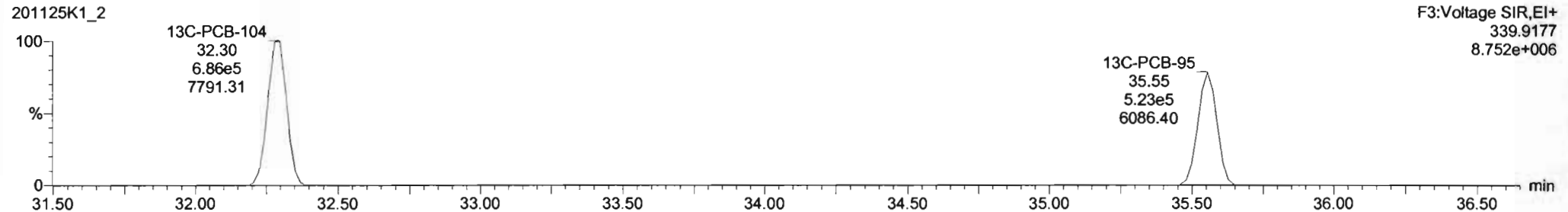
201125K1\_2



**13C-PCB-95**



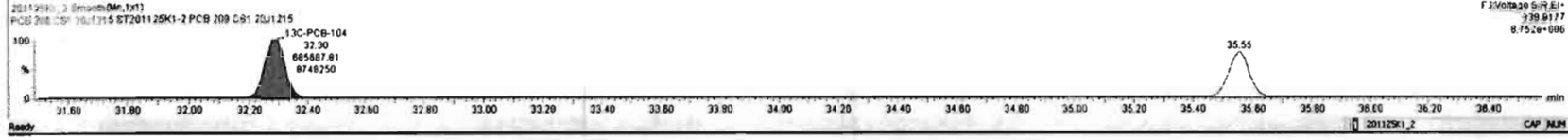
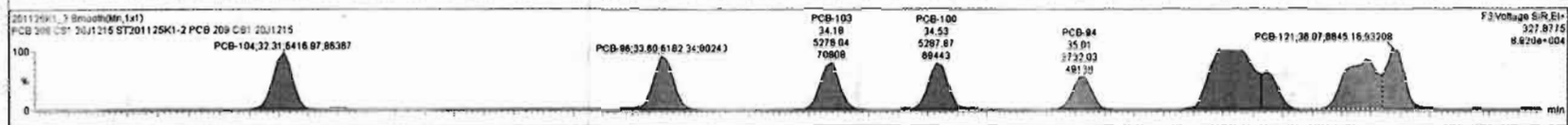
201125K1\_2





#	Name	Resp	RA	nly	RFV	VolVol	Pred.RT	RT	Pred.R	RR1	RR1.Fid	Conc.	%Rec	DL	EMPC
222	13C-PCB-78	2.26e5	0.78	NO	1.0415	1.000	37.63	37.62	0.999	0.987	NO	100.7	101		0.0308
223	13C-PCB-178	9.73e5	0.47	NO	1.0160	1.000	45.71	45.71	0.923	0.923	NO	104.2	104		0.0303
224	Total Mono-PCBs				1.0024	1.000	0.00	0.000			NO	2.856		0.0171	2.858
225	Total Di-PCBs				1.0367	1.000	0.00	0.000			NO	11.22		0.198	11.22
226	2nd Function Tri-PCBs				0.9434	1.000	0.00	0.000			NO	7.521		0.0710	7.521
227	3rd Function Tri-PCBs				0.9887	1.000	0.00	0.000			NO	15.32		0.163	15.32
228	Total Tetra-PCBs				0.9910	1.000	0.00	0.000			NO	30.13		0.331	30.13
229	3rd Function Penta-PCBs				1.1133	1.000	0.00	0.000			NO	37.67		0.302	37.67

#	Name	Pred.RT	RT	n1 Resp	n2 Resp	1st Ratio (Pred)	RA	nly	EMPC	Conc.
1	64 PCB-104	32.32	32.31	9.770e3	6.417e3	1.500	1.52	NO	0.92200	0.92229
2	65 PCB-86	33.82	33.82	9.889e3	6.182e3	1.580	1.80	NO	0.81400	0.81375
3	66 PCB-103	34.17	34.18	7.427e3	5.278e3	1.560	1.41	NO	0.92300	0.92341
4	67 PCB-100	34.54	34.53	6.220e3	5.289e3	1.580	1.55	NO	0.93900	0.93990
5	68 PCB-84	35.03	35.03	6.262e3	3.732e3	1.580	1.68	NO	0.88800	0.88826
6	69 PCB-95/96/102	35.50	35.52	7.499e4	1.555e4	1.580	1.81	NO	2.7950	2.7946
7	70 PCB-93	35.85	35.85	3.849e3	3.481e3	1.580	1.68	NO	0.93400	0.93437
8	71 PCB-96/97	36.98	36.98	1.496e4	8.652e3	1.580	1.54	NO	1.9070	1.9073

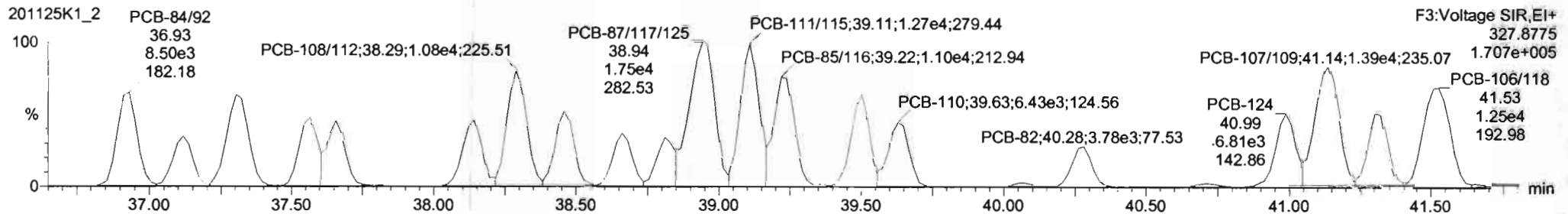
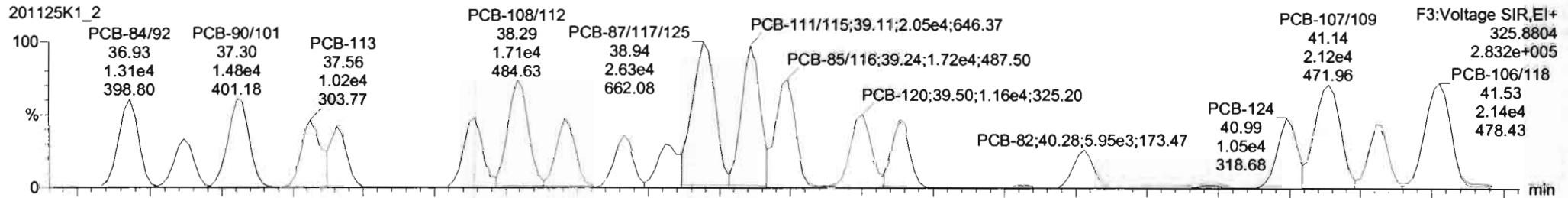


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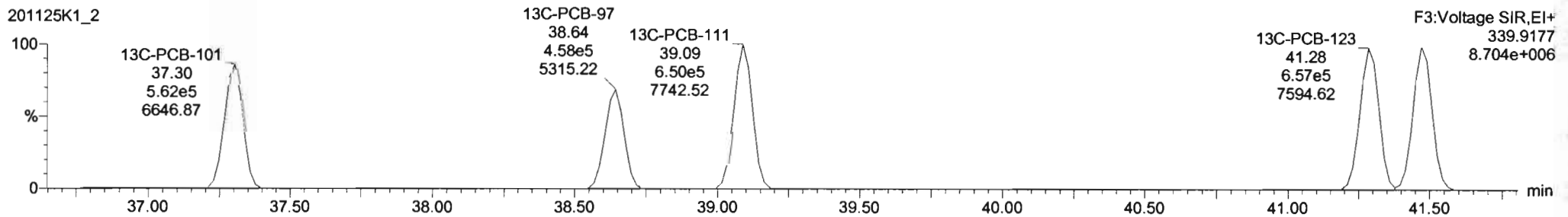
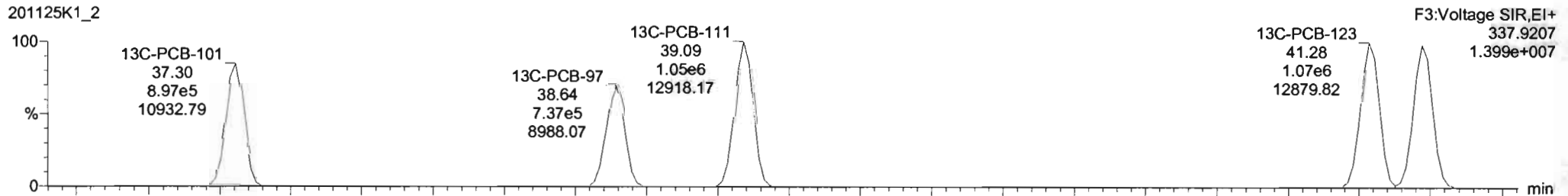
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Name: 201125K1\_2, Date: 25-Nov-2020, Time: 10:48:14, ID: ST201125K1-2 PCB 209 CS1 20J1215, Description: PCB 209 CS1 20J1215

PCB-119

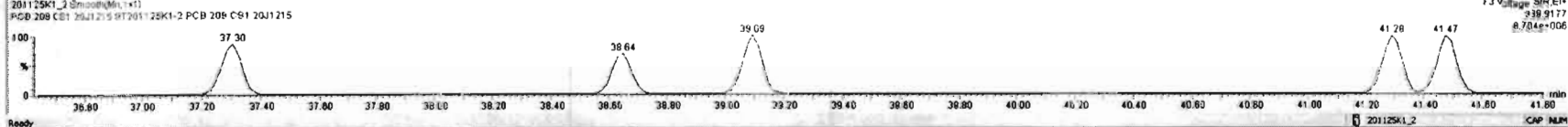
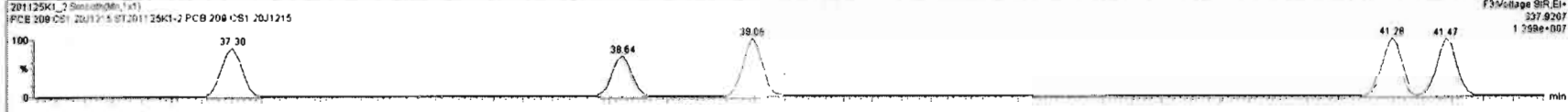
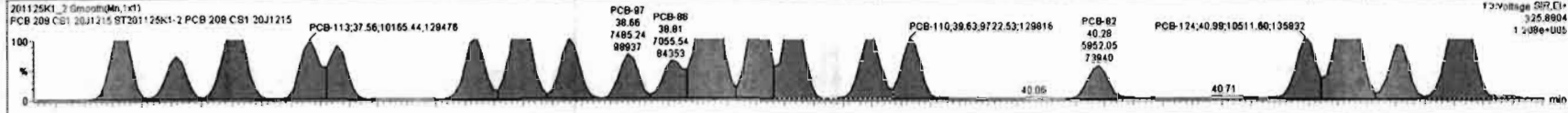


13C-PCB-111



#	Name	Resp	RA	nV	RF	wVol	Pred RT	RT	Pred R...	RT	RF	Conc	%Rec	DL	EMPC
222	13C-PCB-79	2.29e5	0.78	NO	1.0415	1.000	37.63	37.62	0.968	0.967	NO	1007	101	0.0308	
223	13C-PCB-176	9.73e5	0.67	NO	1.0180	1.000	45.71	45.71	0.923	0.923	NO	104	104	0.0392	
224	Total Mono-PCBs				1.0094	1.000	0.00	0.00	0.000	0.000	NO	2.858		0.0171	2.858
225	Total Di-PCBs				1.0087	1.000	0.00	0.00	0.000	0.000	NO	11.22		0.158	11.22
226	2nd Function 14-PCBs				0.9434	1.000	0.00	0.00	0.000	0.000	NO	7.521		0.0710	7.521
227	3rd Function 14-PCBs				0.9687	1.000	0.00	0.00	0.000	0.000	NO	15.32		0.163	15.32
228	Total Tetra-PCBs				0.9810	1.000	0.00	0.00	0.000	0.000	NO	30.12		0.233	30.12
229	3rd Function Penta-PCBs				1.1133	1.000	0.00	0.00	0.000	0.000	NO	37.67		0.302	37.67

#	Name	Pred RT	RT	nV Resp	nV Resp	1st Ratio (Pred)	RA	nV	EMPC	Conc
1	64 PCB-104	32.32	32.31	8.770e3	6.417e3	1.560	1.52	NO	0.82200	0.82229
2	65 PCB-86	33.62	33.62	9.888e3	6.182e3	1.590	1.60	NO	0.81400	0.81375
3	66 PCB-103	34.17	34.16	7.427e3	5.278e3	1.560	1.41	NO	0.92300	0.82341
4	67 PCB-100	34.54	34.53	8.220e3	5.298e3	1.560	1.55	NO	0.93900	0.83690
5	68 PCB-84	35.03	35.03	6.262e3	3.732e3	1.560	1.68	NO	0.88800	0.88626
6	69 PCB-95/97/102	35.50	35.52	2.498e4	1.556e4	1.560	1.61	NO	2.7950	2.7946
7	70 PCB-83	35.65	35.65	5.846e3	3.481e3	1.560	1.68	NO	0.90400	0.80437
8	71 PCB-99/101	35.98	35.98	1.496e4	0.862e3	1.560	1.54	NO	1.6070	1.6071



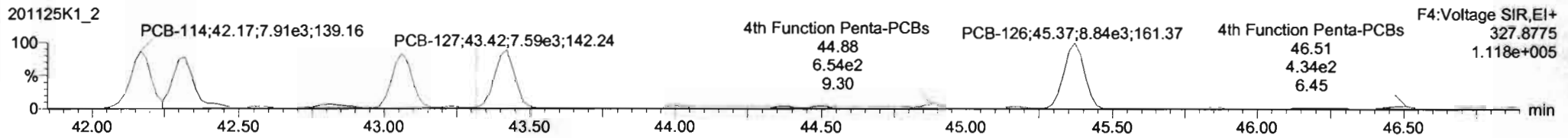
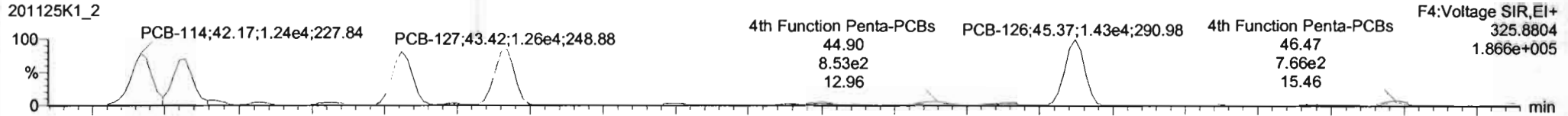


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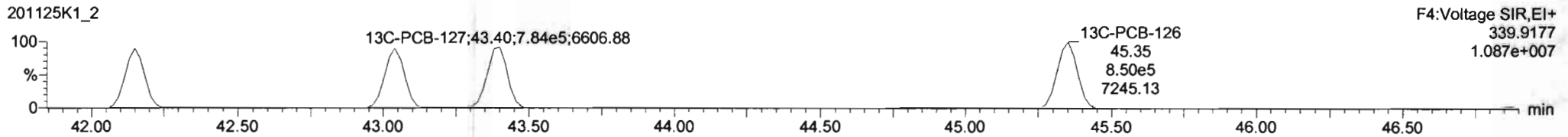
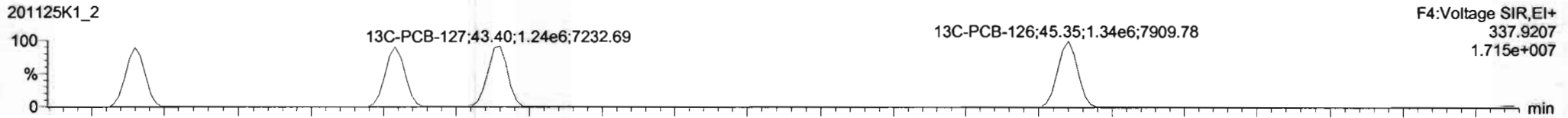
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Name: 201125K1\_2, Date: 25-Nov-2020, Time: 10:48:14, ID: ST201125K1-2 PCB 209 CS1 20J1215, Description: PCB 209 CS1 20J1215

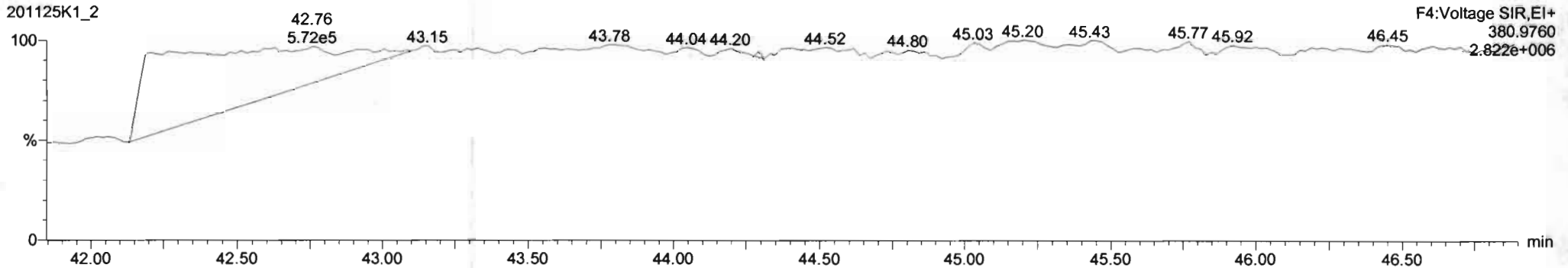
**PCB-114**



**13C-PCB-114**

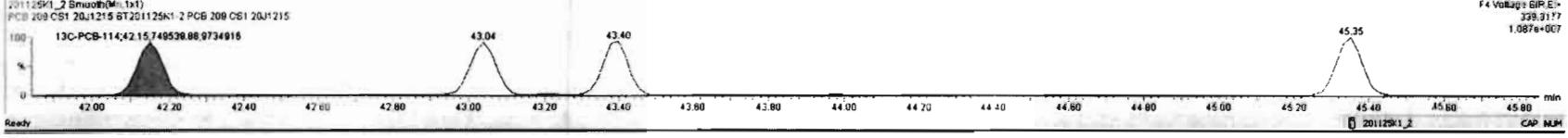
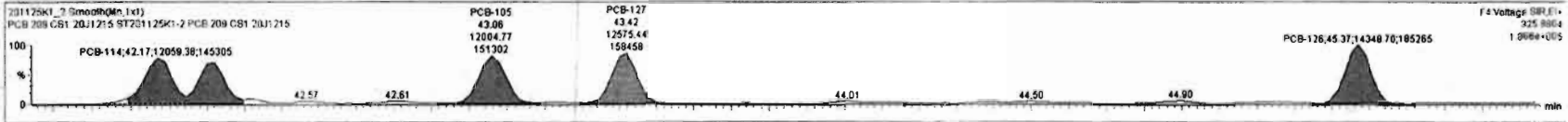


**PFK4a**



#	Name	Resp	RA	nHy	RRF	wt/Vol	Pred RT	RT	Pred R	RRT	RRT Fat	Conc	%Rec	DL	EMPC
222	223 13C-PCB-79	2.29e6	0.78	NO	1.0415	1.000	37.83	37.82	0.968	0.967	NO	100.7	104	0.0300	
223	223 13C-PCB-178	9.73e5	0.47	NO	1.0180	1.000	45.71	45.71	0.923	0.923	NO	104.2	104	0.0282	
224	224 Total Mono-PCBs				1.0034	1.000	0.000	0.000			NO	2.858		0.0171	2.868
225	225 Total Di-PCBs				1.0367	1.000	0.000	0.000			NO	11.22		0.1559	11.20
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.000	0.000			NO	7.621		0.0710	7.521
227	227 3rd Function Tri-PCBs				0.9887	1.000	0.000	0.000			NO	15.32		0.183	15.32
228	228 Total Tetra-PCBs				0.9810	1.000	0.000	0.000			NO	38.12		0.233	38.12
229	229 3rd Function Penta-PCBs				1.1133	1.000	0.000	0.000			NO	37.67		0.302	37.67

#	Name	Pred RT	RT	n1 Resp	n2 Resp	1st Ratio (Pred)	RA	nHy	EMPC	Conc
83	PCB-114	42.17	42.17	1.205e4	7.637e3	1.580	1.58	NO	0.93700	0.93678
94	PCB-122	42.32	42.32	1.051e4	6.945e3	1.500	1.53	NO	0.96200	0.96161
95	PCB-105	43.06	43.06	1.200e4	7.167e3	1.550	1.87	NO	0.94800	0.94941
96	PCB-127	43.42	43.42	1.259e4	7.589e3	1.580	1.66	NO	0.94400	0.94440
97	PCB-126	45.37	45.37	1.435e4	8.838e3	1.580	1.82	NO	0.92100	0.92146

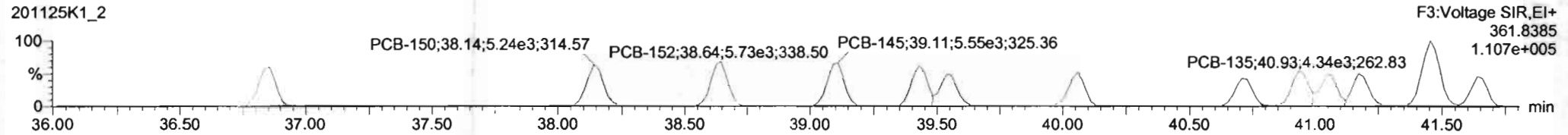
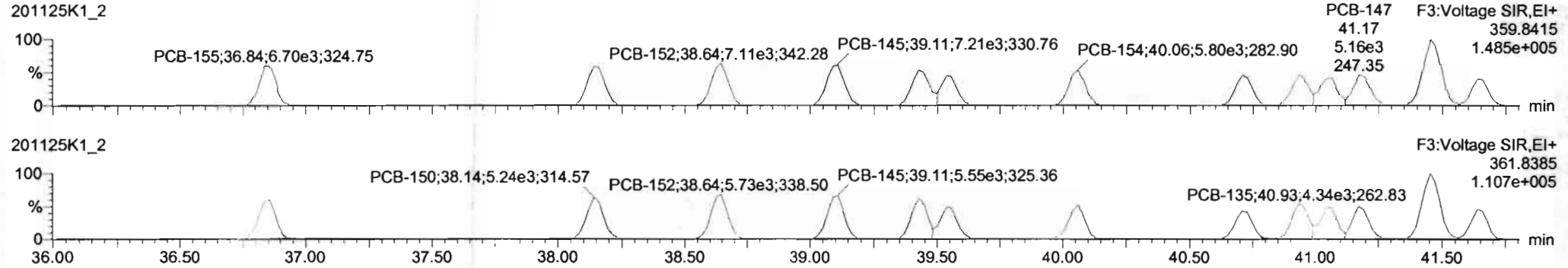


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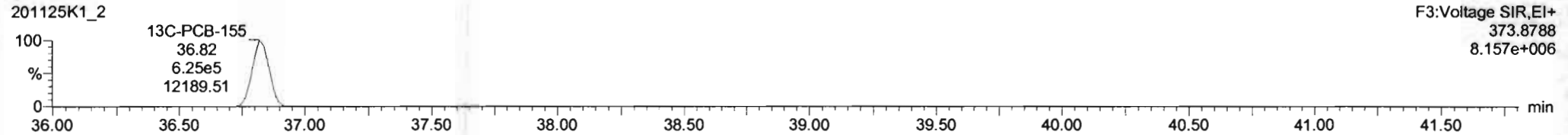
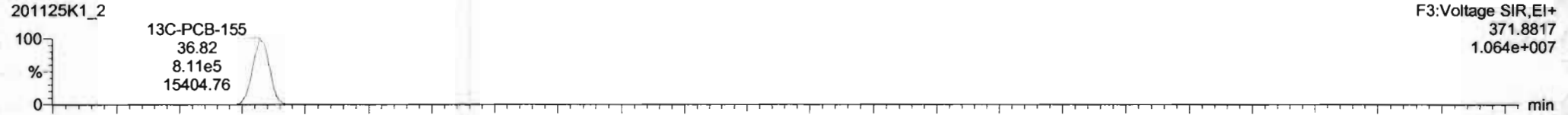
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_2, Date: 25-Nov-2020, Time: 10:48:14, ID: ST201125K1-2 PCB 209 CS1 20J1215, Description: PCB 209 CS1 20J1215

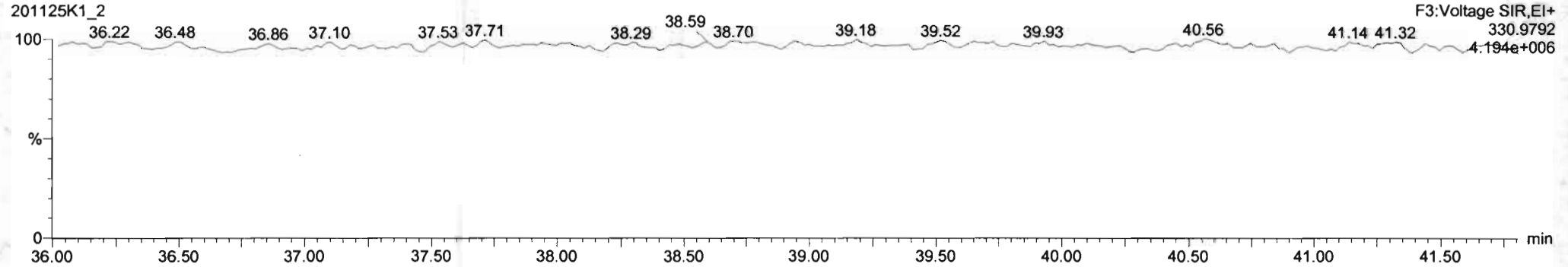
**PCB-155**



**13C-PCB-155**

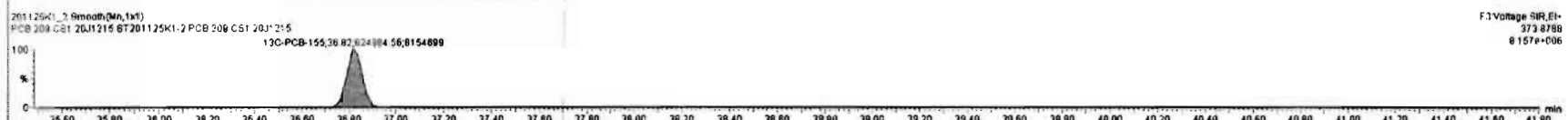
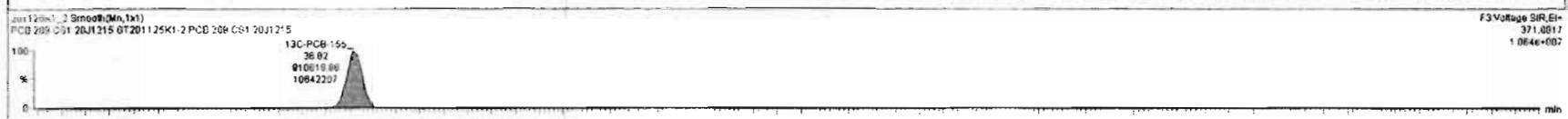
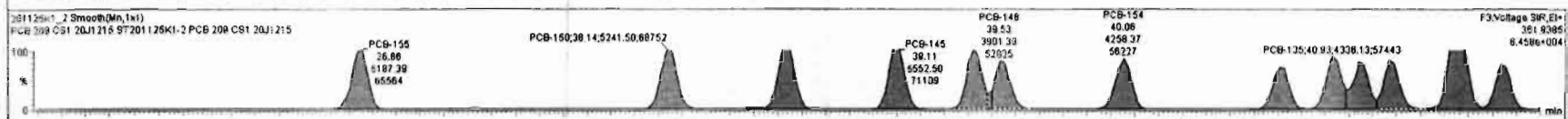


**PFK3c**



#	Name	Resp	RA	nly	RRF	wtVcl	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	OL	EMPC
231	3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	12.95		0.0073	12.85
232	4th Function Hexa-PCBs				0.9455	1.000	0.00		0.000		NO	26.04		0.186	26.04
233	Total Hepta-PCBs				1.2043	1.000	0.00		0.000		NO	23.09		0.158	23.09
234	4th Function Octa-PCBs				0.8005	1.000	0.00		0.000		NO	8.263		0.0475	8.263
235	5th Function Octa-PCBs				1.0867	1.000	0.00		0.000		NO	2.764		0.0145	2.764
236	Total Nona-PCBs				0.8871	1.000	0.00		0.000		NO	2.346		0.0178	2.346
237	Deca-CB				0.8627	1.000	0.00		0.000		NO	0.8016		0.0030	0.8020
238	Total PCBs														

#	Name	Pred.RT	RT	nt Resp	w2 Resp	* Ratio (Pred)	RA	nly	EMPC	Conc
1	99 PCB-155	36.84	36.84	6.702e3	5.187e3	1.240	1.29	NO	0.87100	0.87133
2	99 PCB-150	38.16	38.14	6.819e3	5.241e3	1.240	1.30	NO	0.86900	0.86904
3	100 PCB-152	38.84	38.84	7.111e3	5.734e3	1.240	1.24	NO	0.87800	0.87871
4	101 PCB-145	39.11	39.11	7.206e3	5.553e3	1.240	1.30	NO	0.89400	0.89427
5	102 PCB-138	39.44	39.42	6.363e3	5.096e3	1.240	1.25	NO	0.89500	0.89509
6	103 PCB-148	39.55	39.53	4.773e3	3.901e3	1.240	1.22	NO	0.89700	0.89711
7	104 PCB-154	40.06	40.06	5.801e3	4.258e3	1.240	1.36	NO	0.87200	0.87228
8	106 PCB-141	40.72	40.71	5.073e3	3.719e3	1.240	1.37	NO	0.89000	0.89776



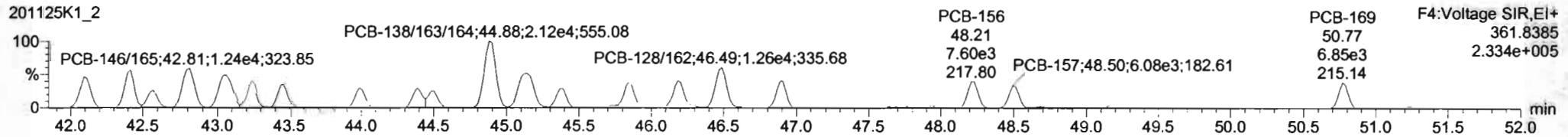
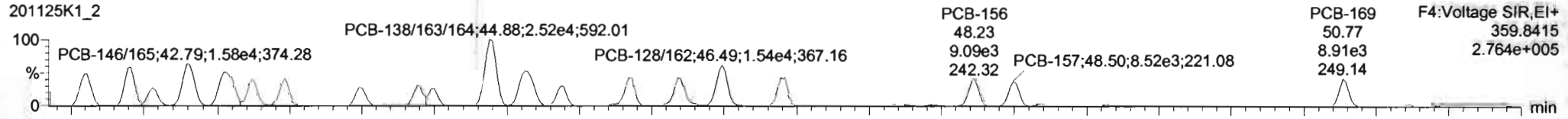
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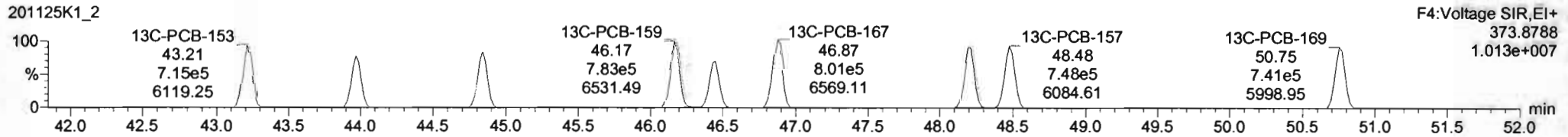
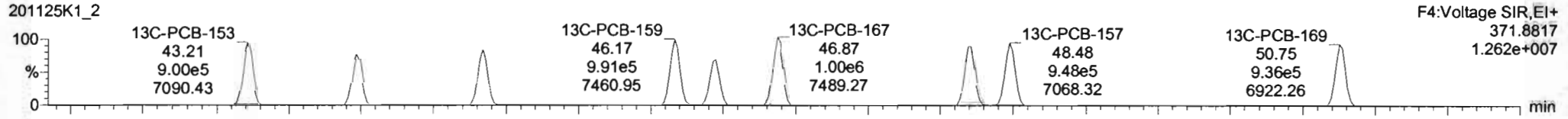
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Name: 201125K1\_2, Date: 25-Nov-2020, Time: 10:48:14, ID: ST201125K1-2 PCB 209 CS1 20J1215, Description: PCB 209 CS1 20J1215

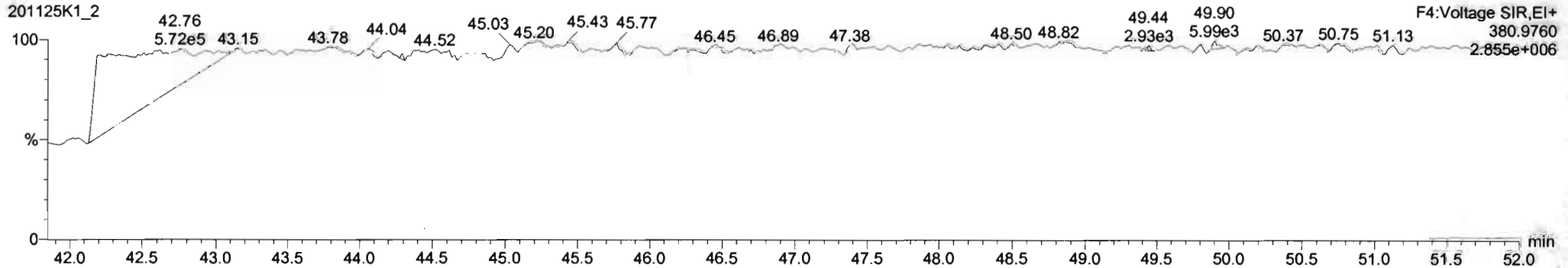
**PCB-134/143**



**13C-PCB-153**

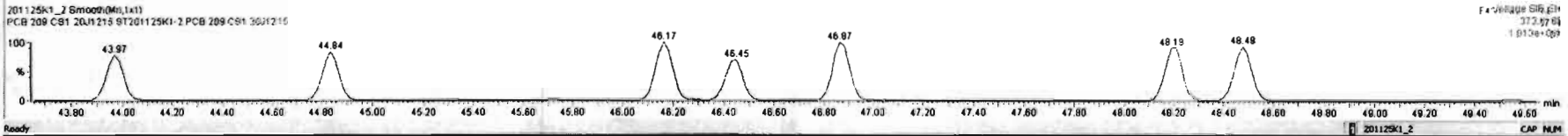
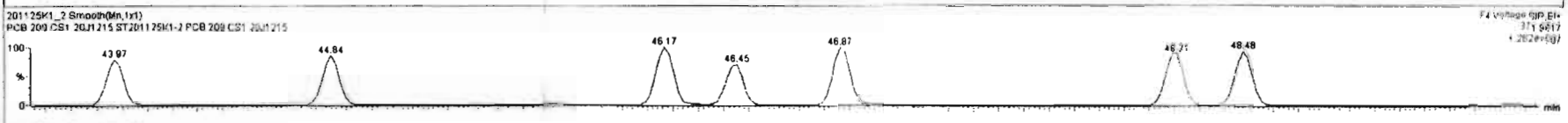
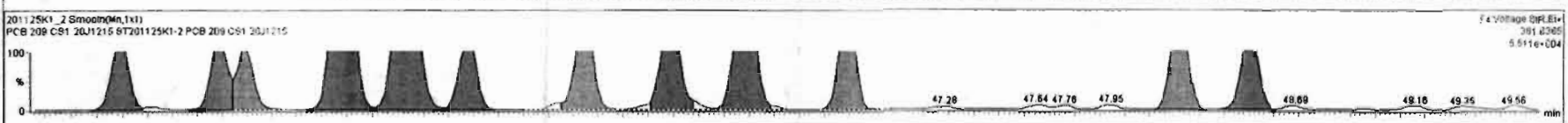
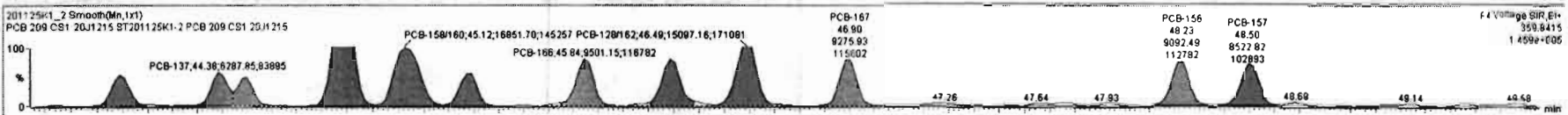


**PFK4b**



#	Name	Resp	RA	n/y	RPF	wt/wt	Pred RT	RT	Pred R...	RRT	RRT Fat	Conc.	%Rec	DL	EMPC
231	231 3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	12.85	0.0972	12.85	
232	232 4th Function Hexa-PCBs				0.8455	1.000	0.00		0.000		NO	26.04	0.188	26.04	
233	233 Total Hepta-PCBs				1.2043	1.000	0.00		0.000		NO	23.09	0.158	23.09	
234	234 4th Function Octa-PCBs				0.8605	1.000	0.00		0.000		NO	8.283	0.0475	8.283	
235	235 5th Function Octa-PCBs				1.0857	1.000	0.00		0.000		NO	2.764	0.0145	2.764	
236	236 Total Nona-PCBs				0.8871	1.000	0.00		0.000		NO	2.746	0.0178	2.746	
237	237 Dece-CB				0.8827	1.000	0.00		0.000		NO	0.8816	0.00130	0.8820	
238	238 Total PCBs														

#	Name	Pred RT	RT	nt Resp	mO Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	111 PCB-134/43	42.11	42.11	1.247e4	9.619e3	1.240	1.30	NO	1.9060	1.9060
2	112 PCB-131/33	42.42	42.41	1.294e4	1.021e4	1.240	1.27	NO	1.8680	1.8681
3	113 PCB-142	42.56	42.57	5.864e3	4.718e3	1.240	1.24	NO	0.95400	0.95302
4	114 PCB-148/65	42.81	42.79	1.576e4	1.239e4	1.240	1.27	NO	1.8480	1.8479
5	115 PCB-132/61	43.06	43.04	1.588e4	1.236e4	1.240	1.28	NO	1.8280	1.8277
6	116 PCB-153	43.25	43.23	8.381e3	6.977e3	1.240	1.20	NO	0.96100	0.96063
7	117 PCB-168	43.46	43.46	8.287e3	6.398e3	1.240	1.29	NO	0.87800	0.87878
8	118 PCB-141	43.66	43.66	6.365e3	5.361e3	1.240	1.18	NO	0.81600	0.81630

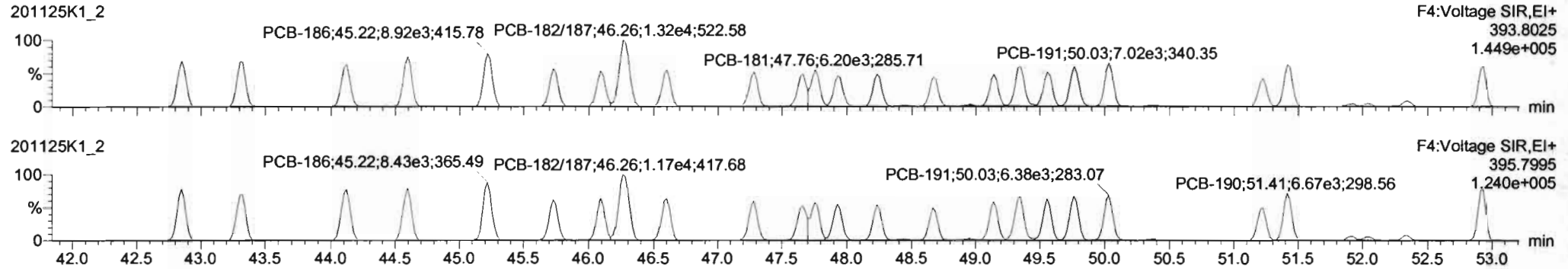


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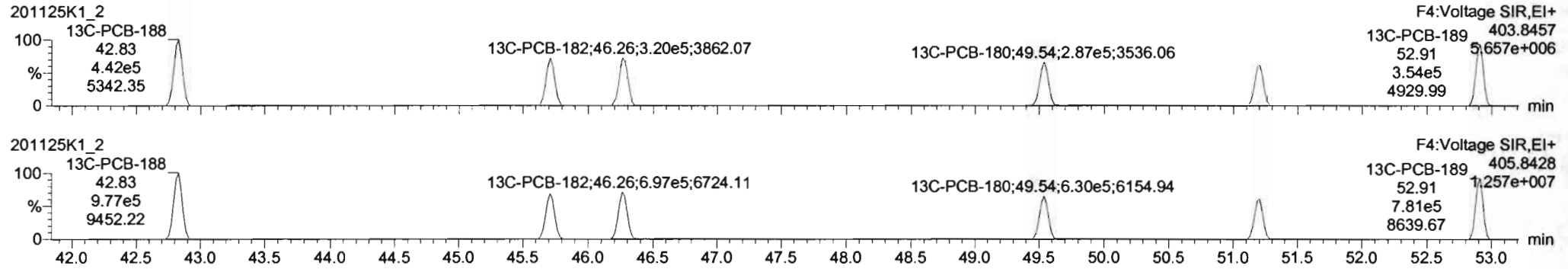
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Name: 201125K1\_2, Date: 25-Nov-2020, Time: 10:48:14, ID: ST201125K1-2 PCB 209 CS1 20J1215, Description: PCB 209 CS1 20J1215

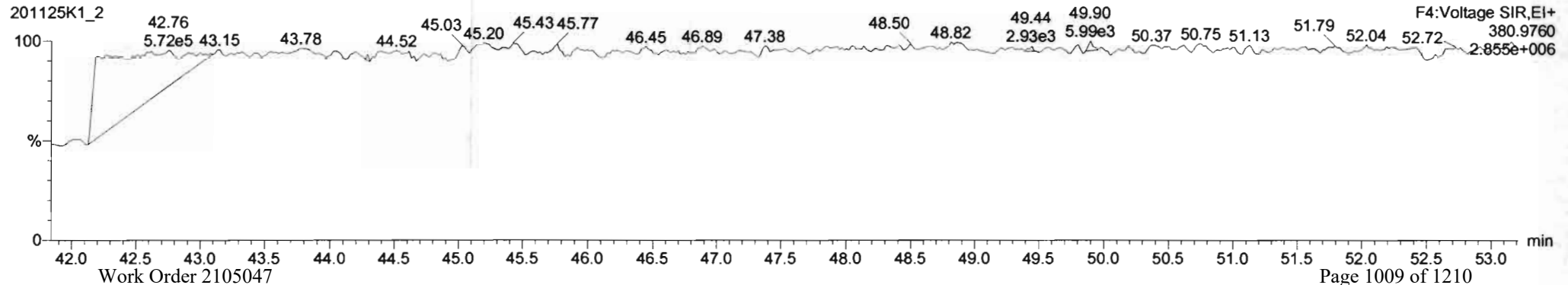
**PCB-188**



**13C-PCB-188**

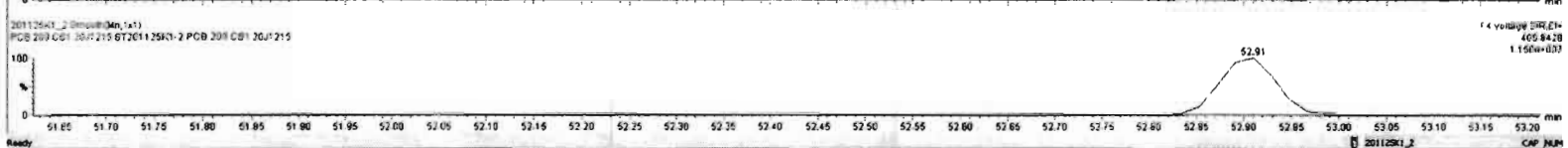
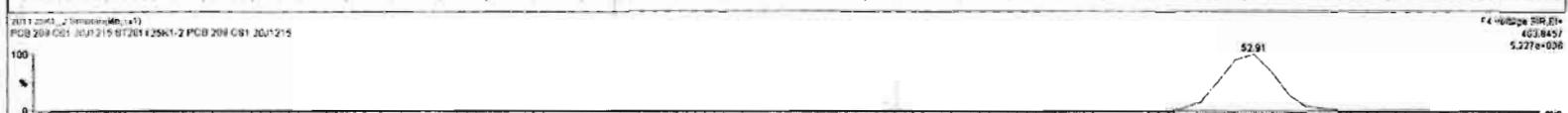


**PFK4c**



#	Name	Resp	RA	rv	RF	rd	PreRT	RT	PostR	RR	NRT	Fail	Conc	%Rec	DL	dBPC
221	221 3rd Function Hexa-PCBs				0.7910	1.000	0.00	0.000	0.000			NO	12.85	0.0872	12.85	
222	222 4th Function Hexa-PCBs				0.9455	1.000	0.00	0.000	0.000			NO	26.04	0.188	26.04	
223	223 Total Hexa-PCBs				1.2643	1.000	0.00	0.000	0.000			NO	23.00	0.198	23.08	
224	224 4th Function Octa-PCBs				0.8805	1.000	0.00	0.000	0.000			NO	8.283	0.0475	8.283	
225	225 5th Function Octa-PCBs				1.0857	1.000	0.00	0.000	0.000			NO	2.784	0.0145	2.784	
226	226 Total Hexa-PCBs				0.8871	1.000	0.00	0.000	0.000			NO	2.746	0.0178	2.746	
227	227 Deca-CB				0.8627	1.000	0.00	0.000	0.000			NO	0.8816	0.00130	0.8820	
228	228 Total PCBs															

#	Name	PreRT	RT	wt Resp	rd Resp	1* Ratio (Pre)	RA	rv	dBPC	Conc
1	131 PCB-188	42.87	42.85	7.823e3	7.467e3	1.050	1.05	NO	0.92700	0.92711
2	132 PCB-184	43.32	43.31	7.800e3	7.206e3	1.050	1.08	NO	0.92800	0.92775
3	133 PCB-179	44.12	44.12	7.210e3	7.717e3	1.050	0.93	NO	0.97800	0.97895
4	134 PCB-178	44.59	44.59	8.085e3	7.387e3	1.050	1.09	NO	0.98000	0.97975
5	135 PCB-186	45.24	45.22	8.916e3	8.428e3	1.050	1.06	NO	0.99300	0.99289
6	136 PCB-178	45.75	45.73	8.267e3	5.890e3	1.050	1.06	NO	1.0320	1.0320
7	137 PCB-175	46.00	46.00	5.856e3	5.712e3	1.050	1.02	NO	0.95900	0.95970
8	138 PCB-182/87	46.28	46.28	1.517e4	1.172e4	1.050	1.12	NO	1.8620	1.8623





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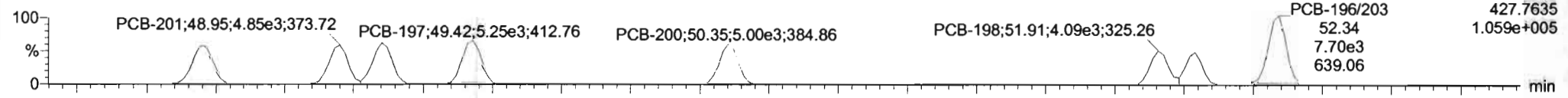
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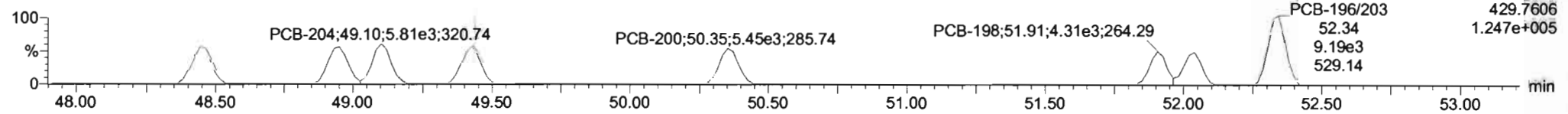
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**PCB-202**

201125K1\_2

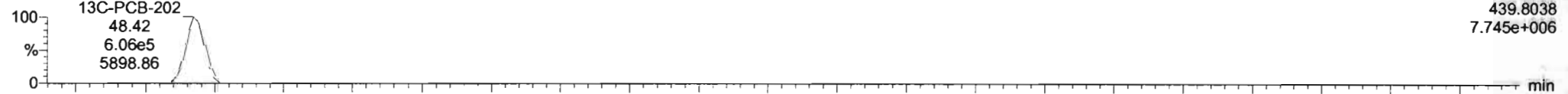


201125K1\_2

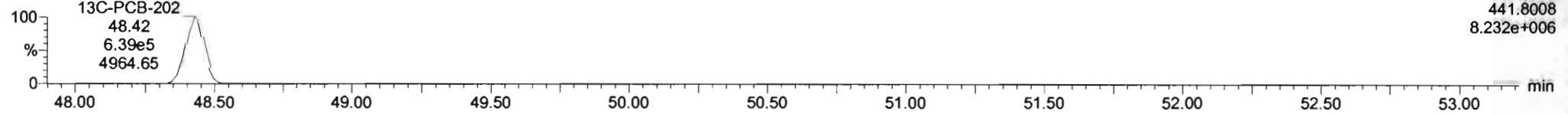


**13C-PCB-202**

201125K1\_2

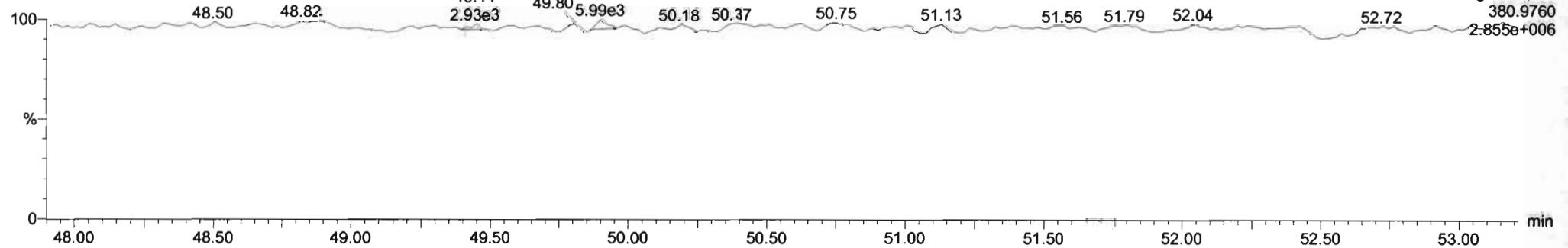


201125K1\_2



**PFK4d**

201125K1\_2



Dataset: Untitled

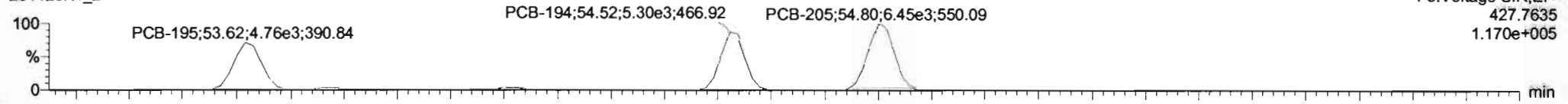
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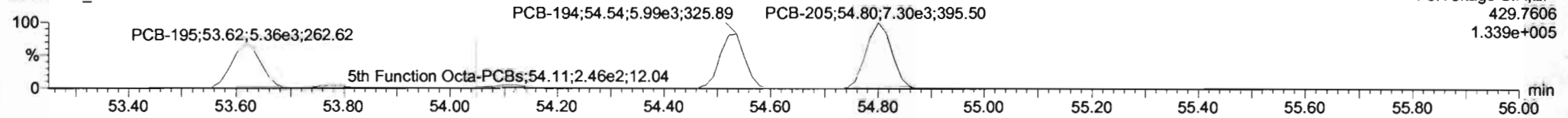
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**PCB-195**

201125K1\_2

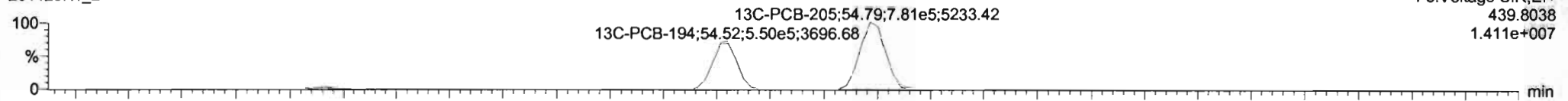


201125K1\_2

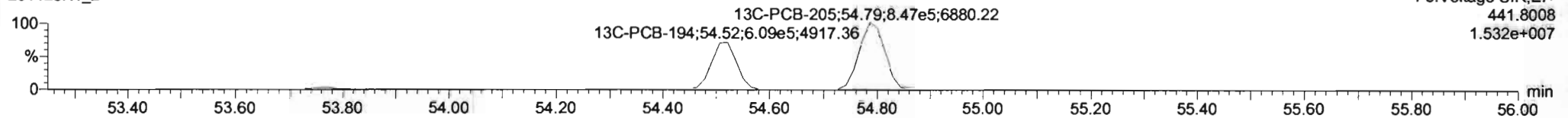


**13C-PCB-194**

201125K1\_2

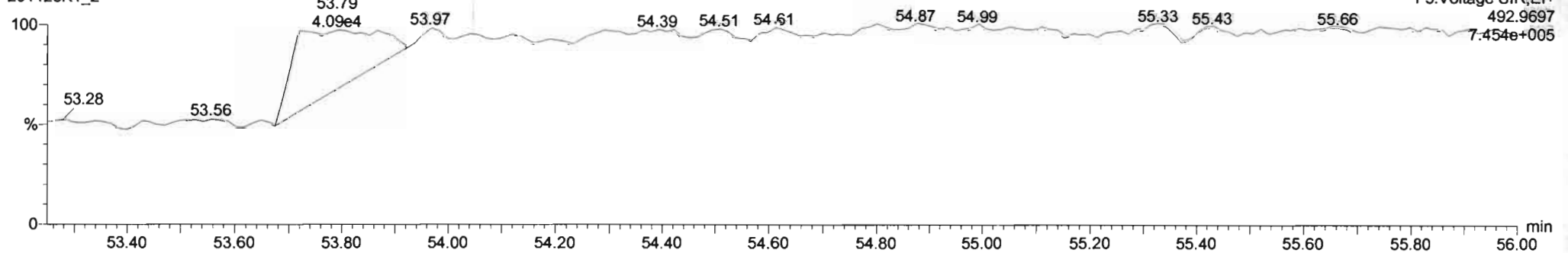


201125K1\_2



**PFK5a**

201125K1\_2



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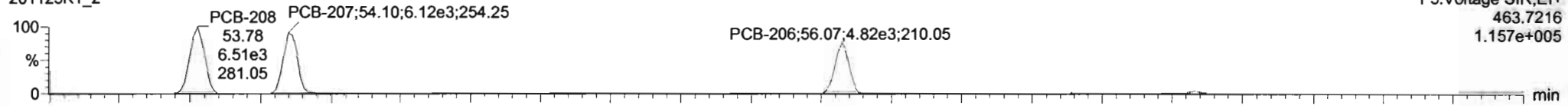
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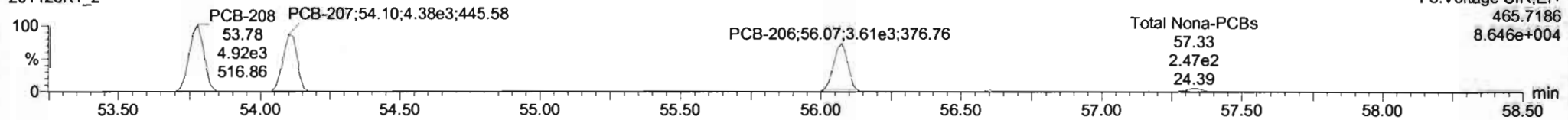
**PCB-208**

201125K1\_2



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1.157e+005

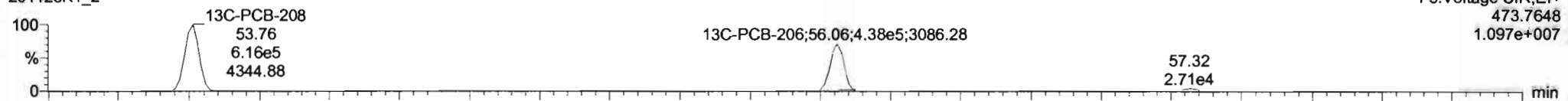
201125K1\_2



F5:Voltage SIR,EI+  
465.7186  
8.646e+004

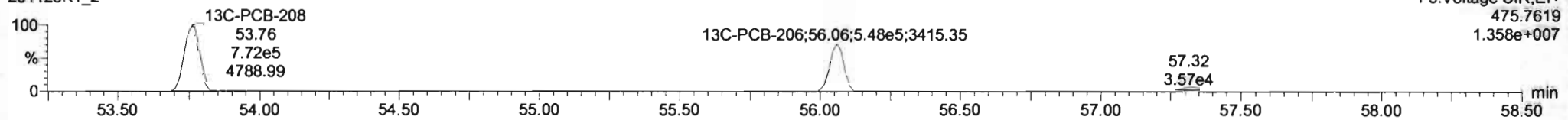
**13C-PCB-208**

201125K1\_2



F5:Voltage SIR,EI+  
473.7648  
1.097e+007

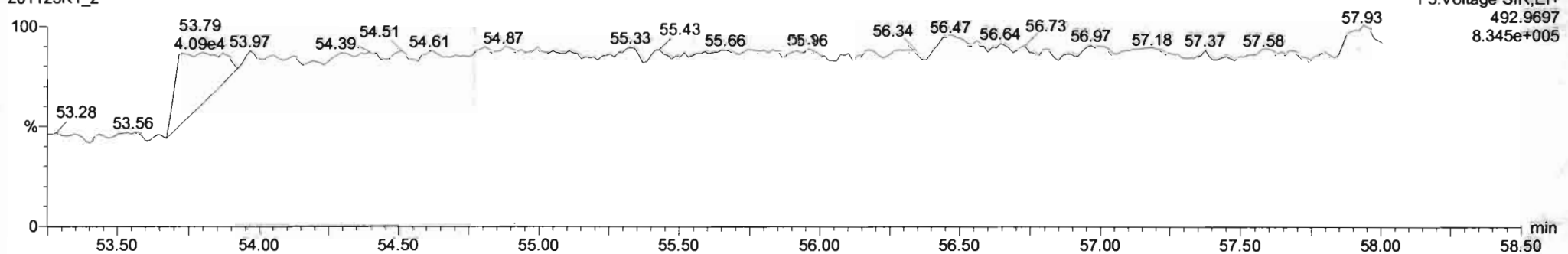
201125K1\_2



F5:Voltage SIR,EI+  
475.7619  
1.358e+007

**PFK5**

201125K1\_2



F5:Voltage SIR,EI+  
492.9697  
8.345e+005

Dataset: Untitled

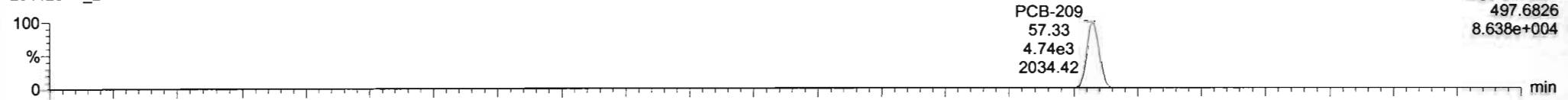
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

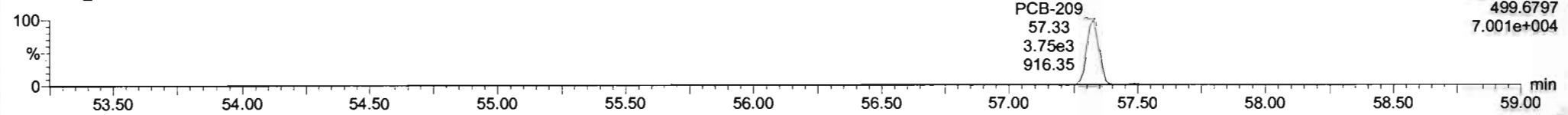
Name: 201125K1\_2, Date: 25-Nov-2020, Time: 10:48:14, ID: ST201125K1-2 PCB 209 CS1 20J1215, Description: PCB 209 CS1 20J1215

**PCB-209**

201125K1\_2

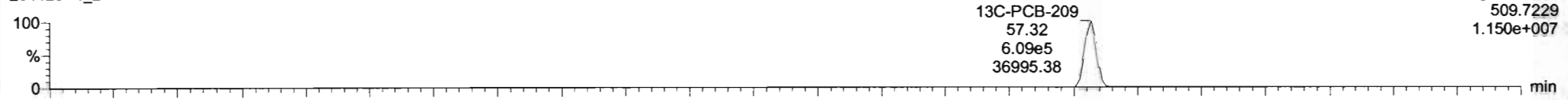


201125K1\_2

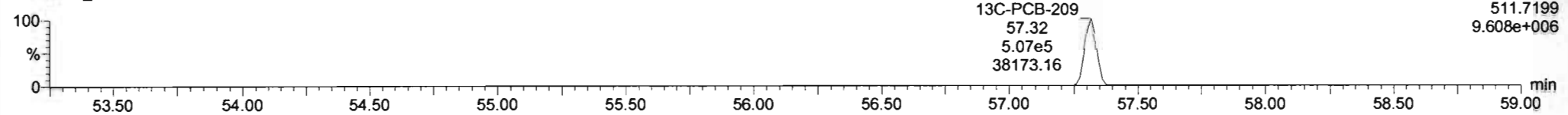


**13C-PCB-209**

201125K1\_2

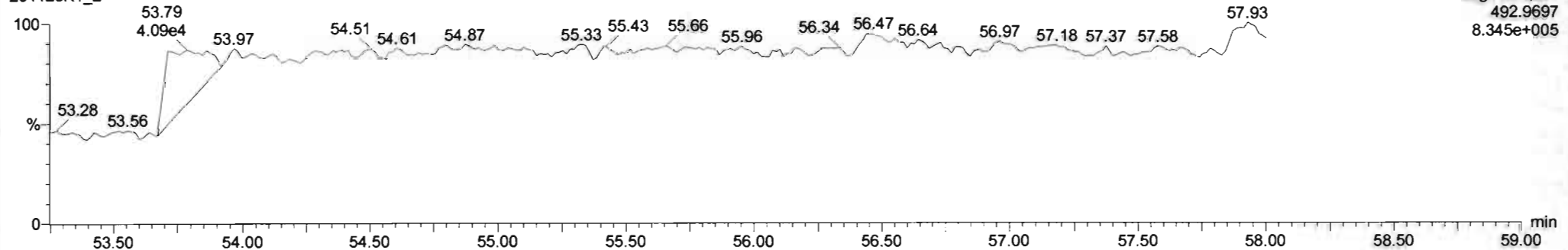


201125K1\_2



**PFK5b**

201125K1\_2

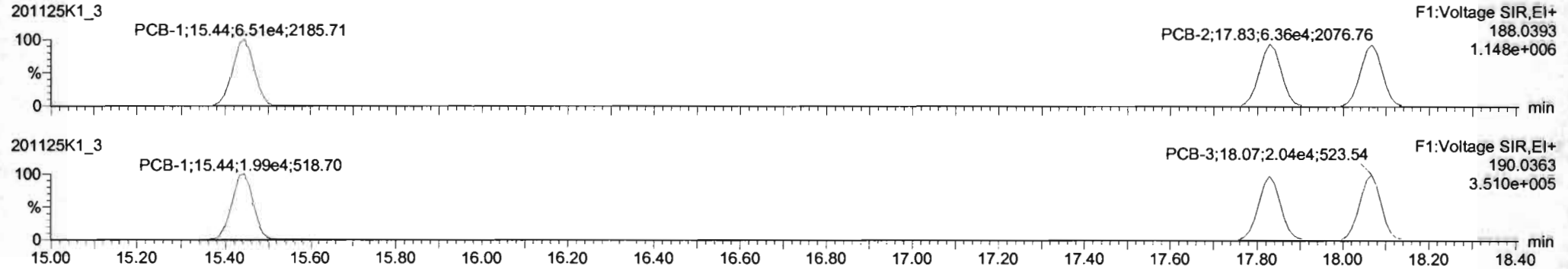


Dataset: Untitled

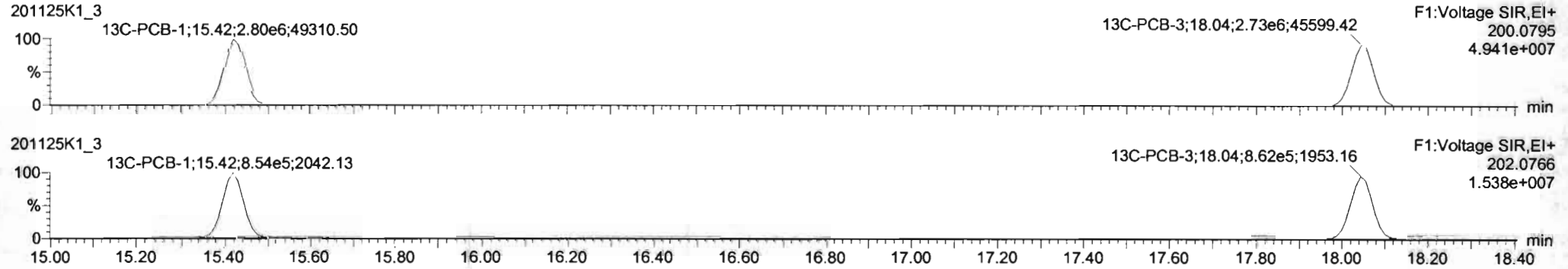
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_3, Date: 25-Nov-2020, Time: 11:48:31, ID: ST201125K1-3 PCB 209 CS2 20J1216, Description: PCB 209 CS2 20J1216

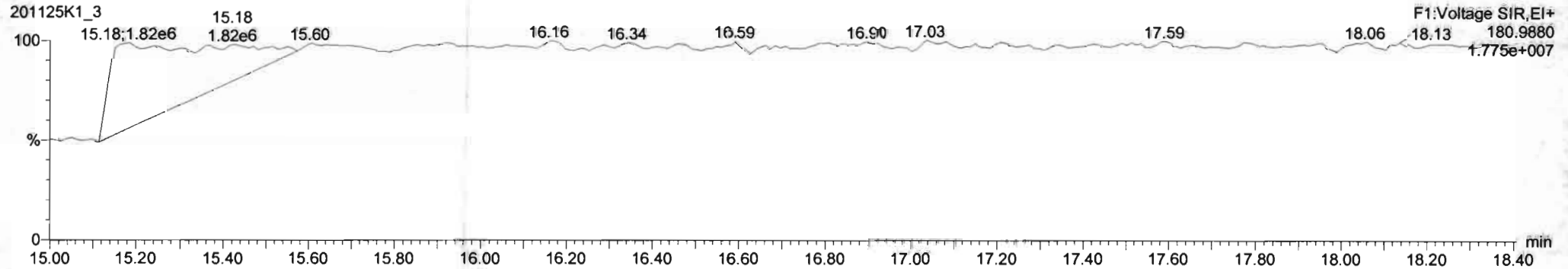
**PCB-1**



**13C-PCB-1**



**PFK1**

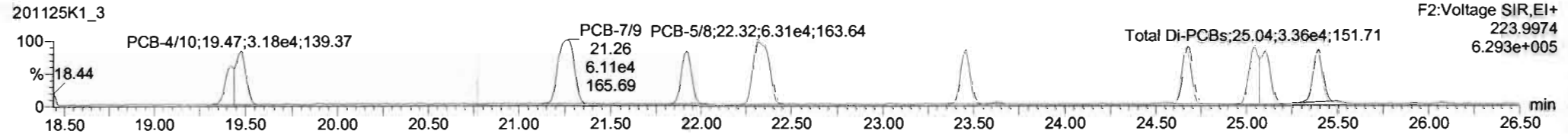
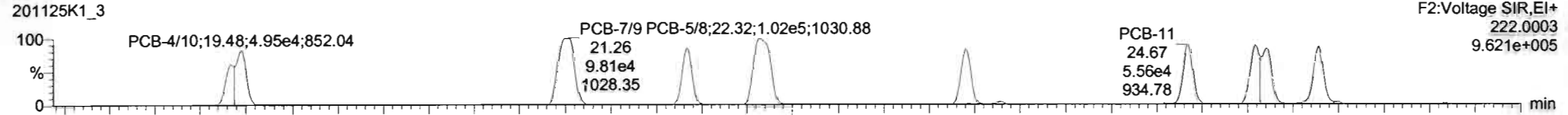


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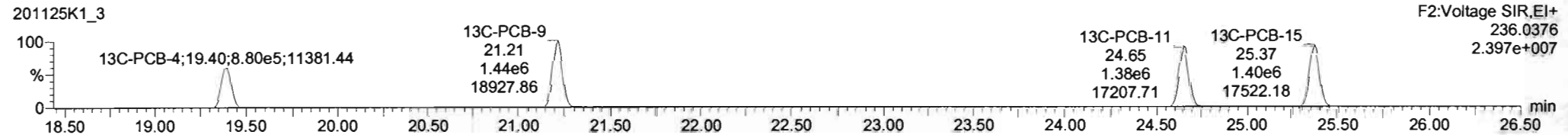
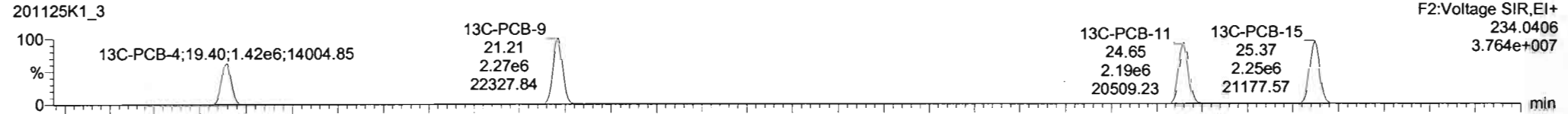
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_3, Date: 25-Nov-2020, Time: 11:48:31, ID: ST201125K1-3 PCB 209 CS2 20J1216, Description: PCB 209 CS2 20J1216

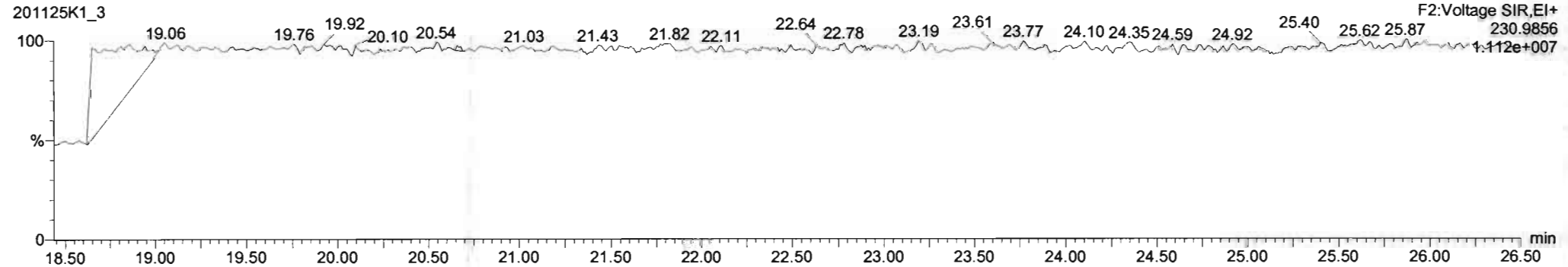
**PCB-4/10**



**13C-PCB-4**

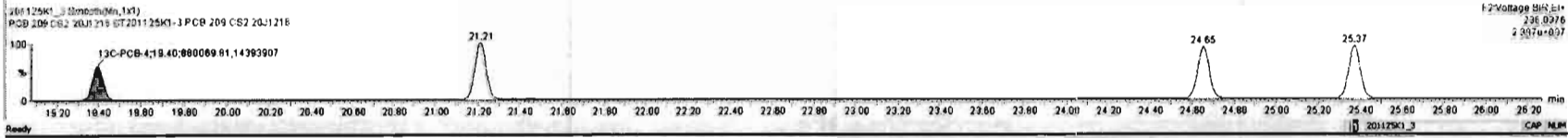
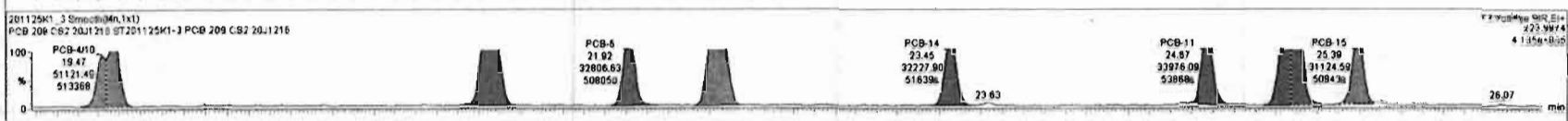
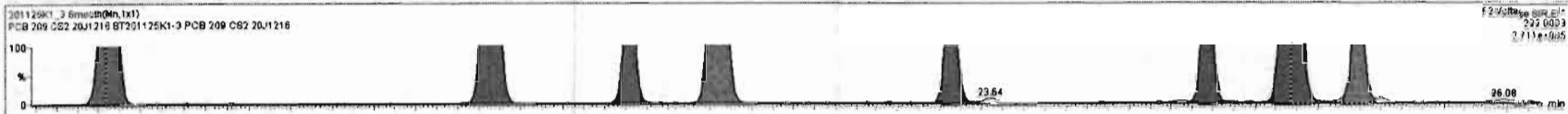


**PFK2a**



#	Name	Resp	RA	nly	RFV	wtAvd	PredRT	RT	PredR..	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	6.965		0.0116	6.965
225	Total Di-PCBs				1.0067	1.000	0.00		0.000		NO	27.80		0.129	27.80
226	2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	18.03		0.0521	18.03
227	3rd Function Tri-PCBs				0.9887	1.000	0.00		0.000		NO	37.00		0.168	37.01
228	Total Tetra-PCBs				0.9910	1.000	0.00		0.000		NO	86.03		0.287	86.03
229	3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	92.90		0.252	92.90
230	4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	11.36		0.0424	11.36
231	3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	30.72		0.0769	30.72
232	4th Function Hexa-PCBs				1.0444	1.000	0.00		0.000		NO	43.40		0.133	43.40

#	Name	PredRT	RT	wt Resp	sd Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
4	PCB-4/10	19.46	19.48	7.849e4	5.112e4	1.560	1.55	NO	4.7030	4.7032
5	PCB-7/9	21.27	21.26	9.808e4	6.106e4	1.590	1.61	NO	4.5760	4.5769
6	PCB-6	21.92	21.92	5.121e4	3.291e4	1.590	1.56	NO	2.2770	2.2769
7	PCB-5/8	22.32	22.32	1.021e5	6.307e4	1.590	1.62	NO	4.5700	4.5702
8	PCB-14	23.44	23.45	5.152e4	3.223e4	1.590	1.60	NO	2.2910	2.2912
9	PCB-11	24.67	24.67	5.555e4	3.399e4	1.590	1.63	NO	2.2470	2.2469
7	PCB-12/13	25.10	25.04	1.014e5	6.620e4	1.590	1.53	NO	4.6000	4.6002
8	PCB-15	25.38	25.39	5.326e4	3.112e4	1.590	1.71	NO	2.3240	2.3243



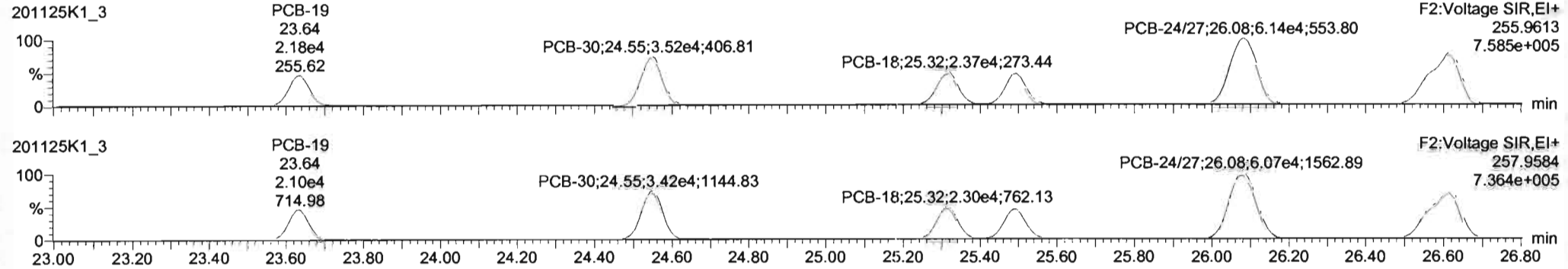
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

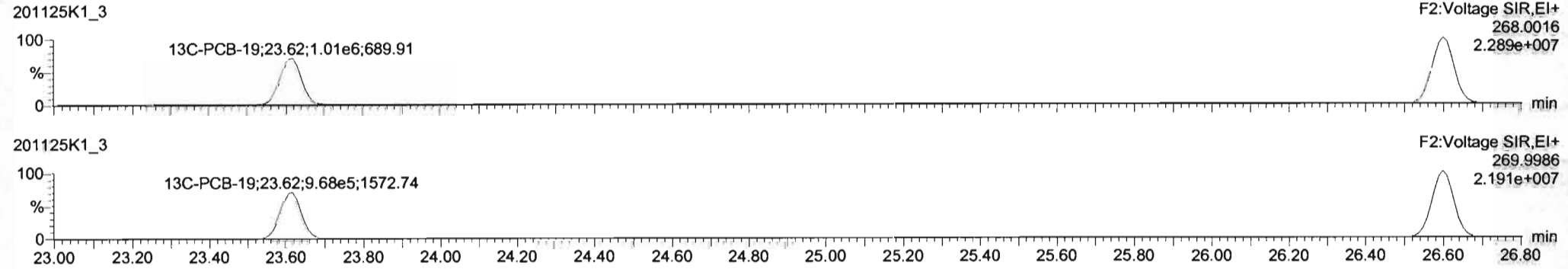
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_3, Date: 25-Nov-2020, Time: 11:48:31, ID: ST201125K1-3 PCB 209 CS2 20J1216, Description: PCB 209 CS2 20J1216

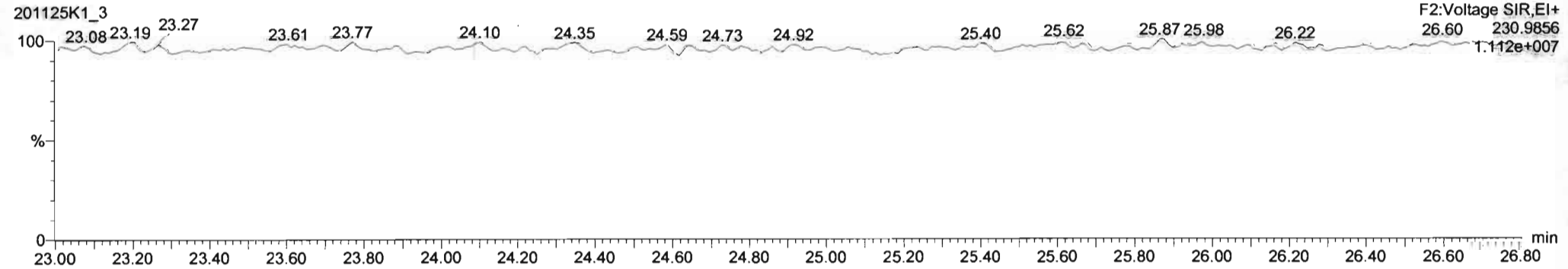
**PCB-19**



**13C-PCB-19**



**PFK2b**



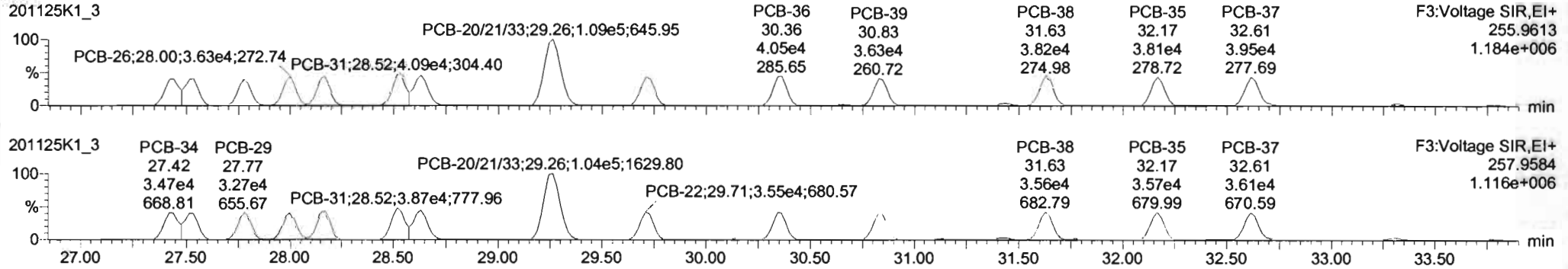


Dataset: Untitled

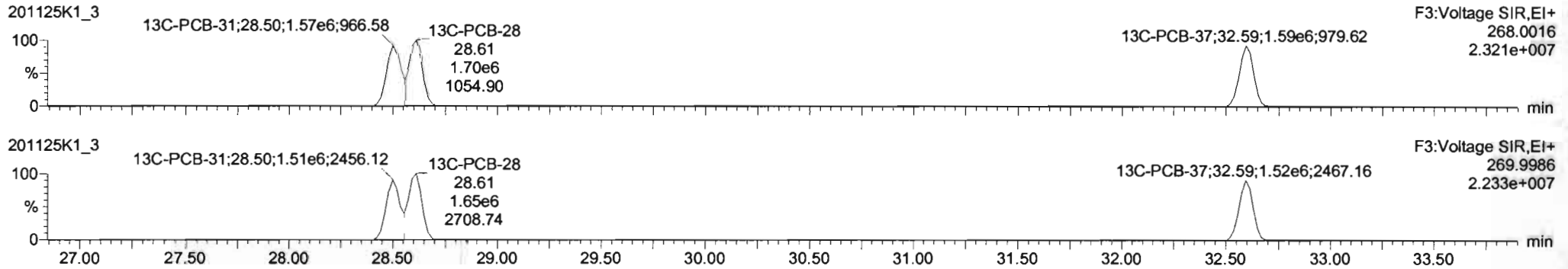
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_3, Date: 25-Nov-2020, Time: 11:48:31, ID: ST201125K1-3 PCB 209 CS2 20J1216, Description: PCB 209 CS2 20J1216

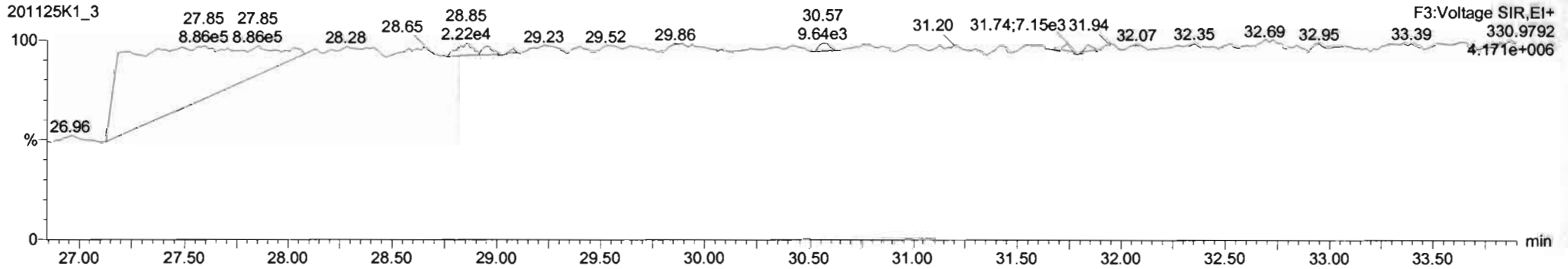
**PCB-34**

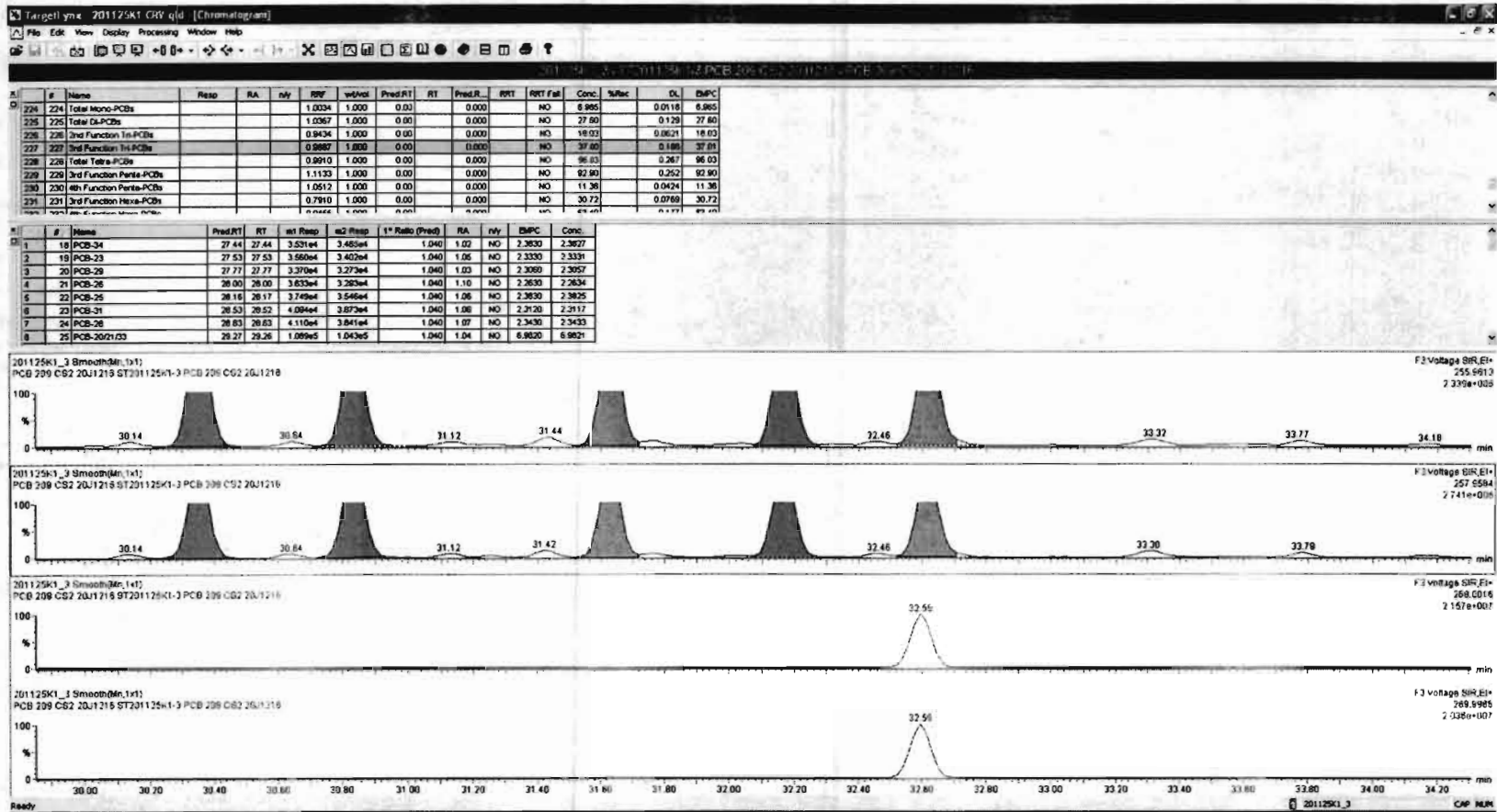


**13C-PCB-28**



**PFK3d**





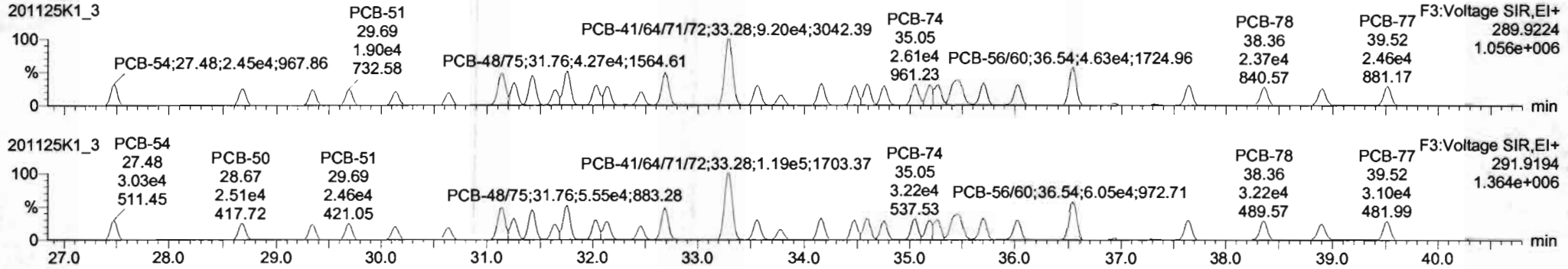
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

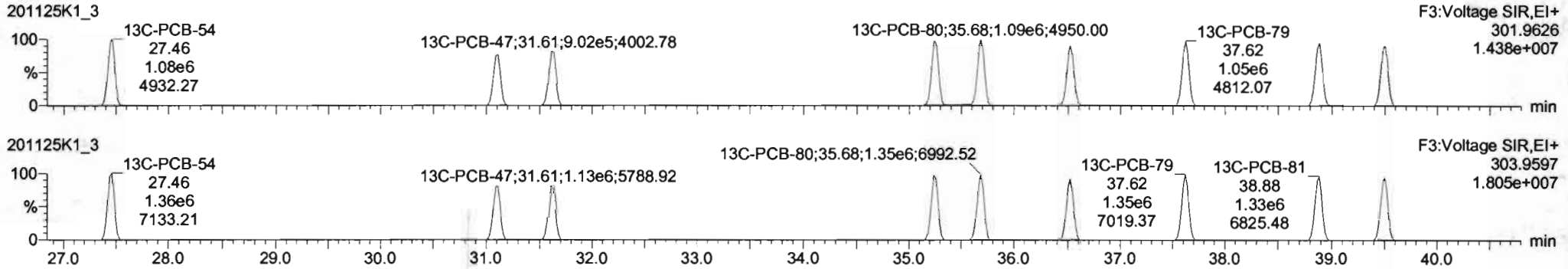
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_3, Date: 25-Nov-2020, Time: 11:48:31, ID: ST201125K1-3 PCB 209 CS2 20J1216, Description: PCB 209 CS2 20J1216

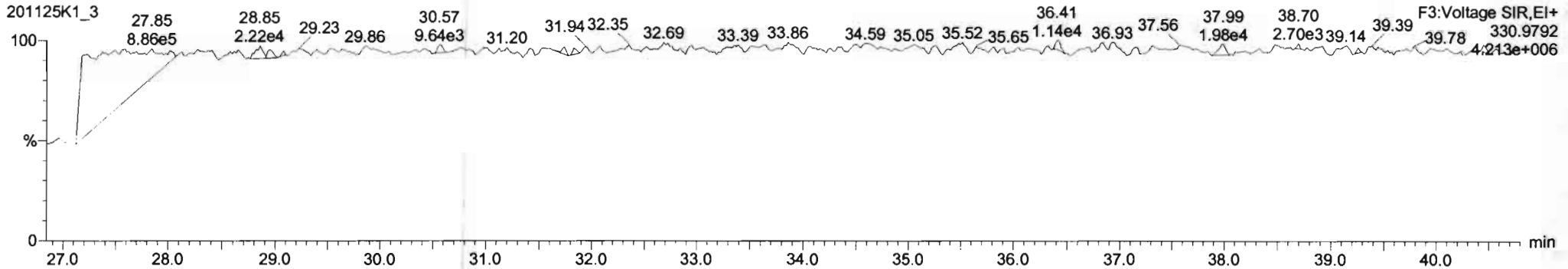
**PCB-54**



**13C-PCB-54**



**PFK3a**



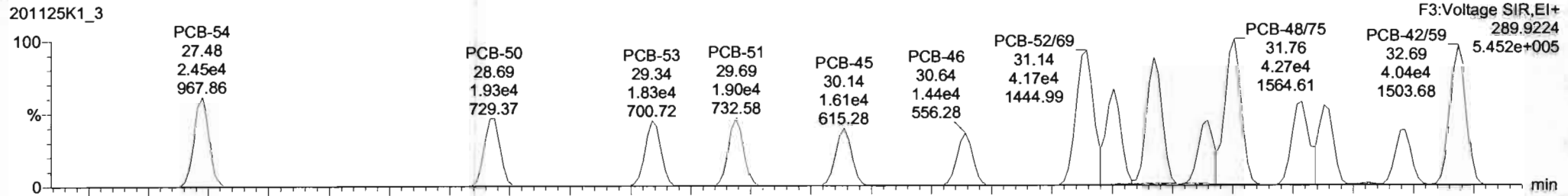
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

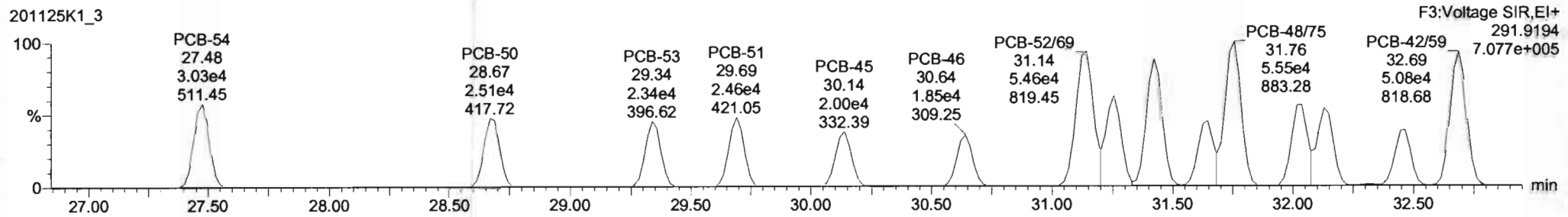
Name: 201125K1\_3, Date: 25-Nov-2020, Time: 11:48:31, ID: ST201125K1-3 PCB 209 CS2 20J1216, Description: PCB 209 CS2 20J1216

**PCB-50**

201125K1\_3

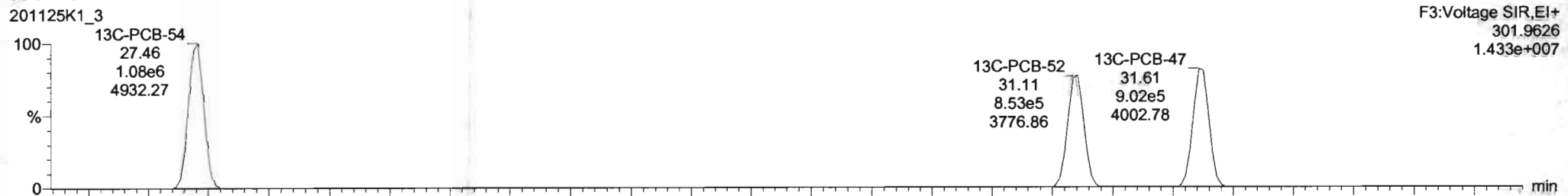


201125K1\_3

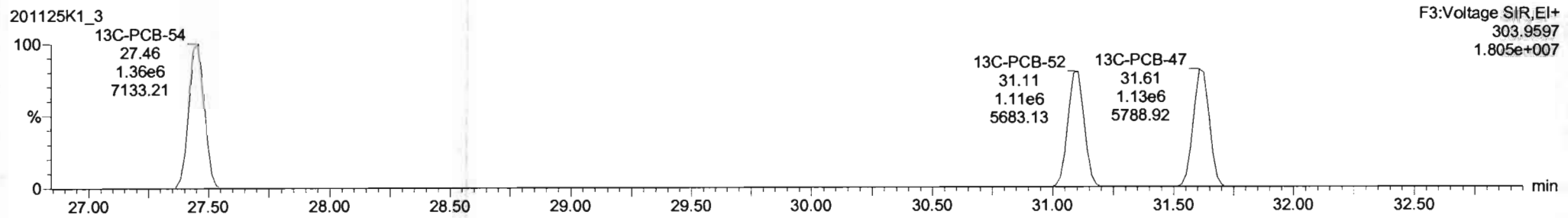


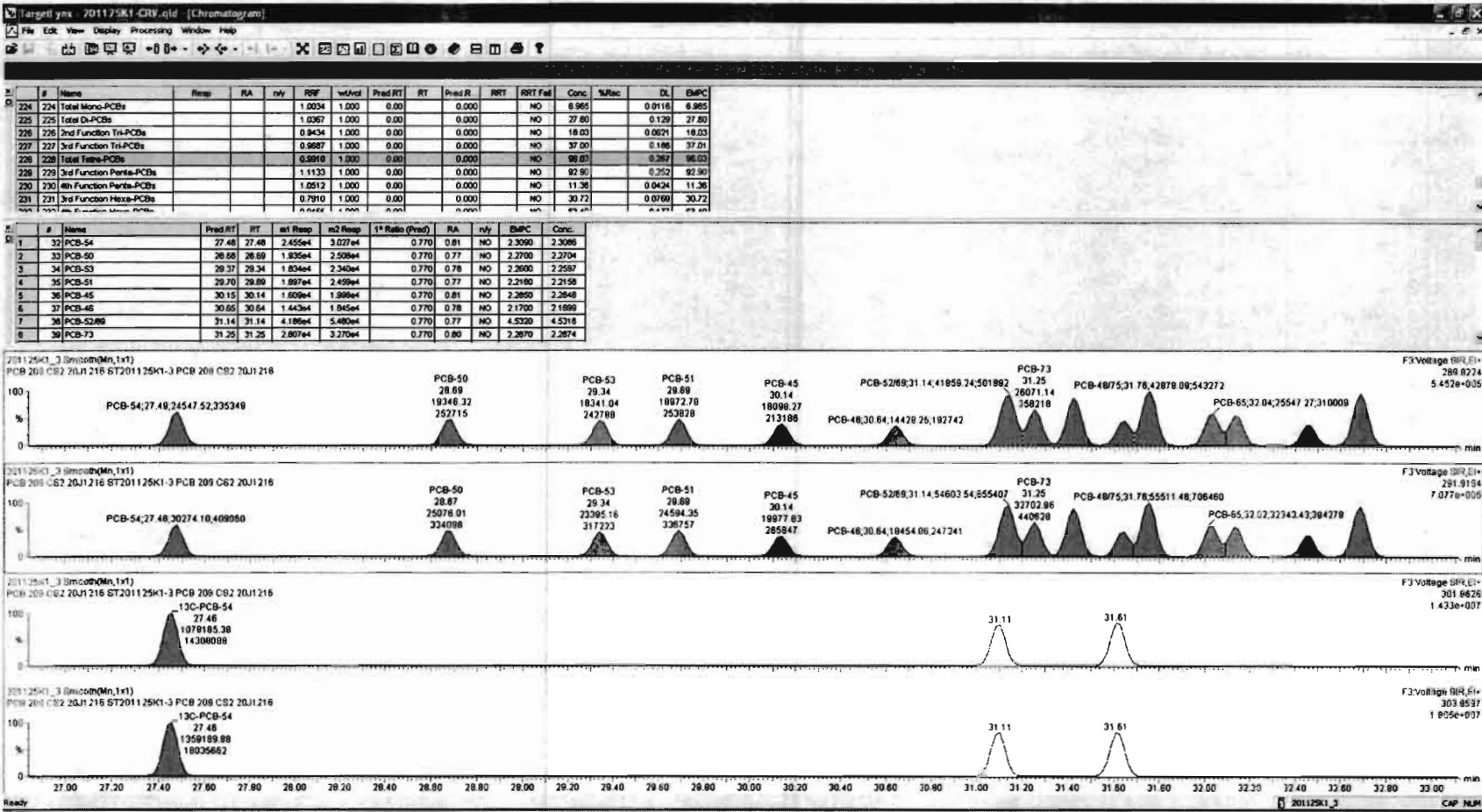
**13C-PCB-52**

201125K1\_3



201125K1\_3





Dataset: Untitled

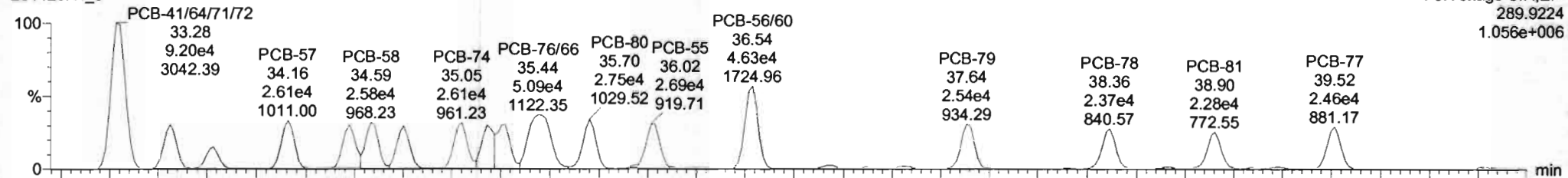
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

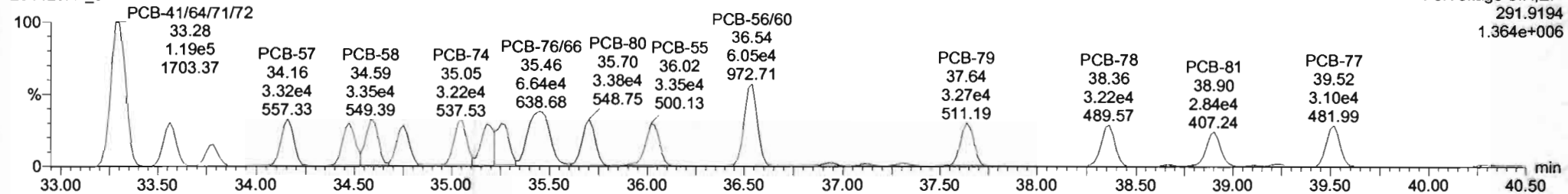
Name: 201125K1\_3, Date: 25-Nov-2020, Time: 11:48:31, ID: ST201125K1-3 PCB 209 CS2 20J1216, Description: PCB 209 CS2 20J1216

**PCB-68**

201125K1\_3

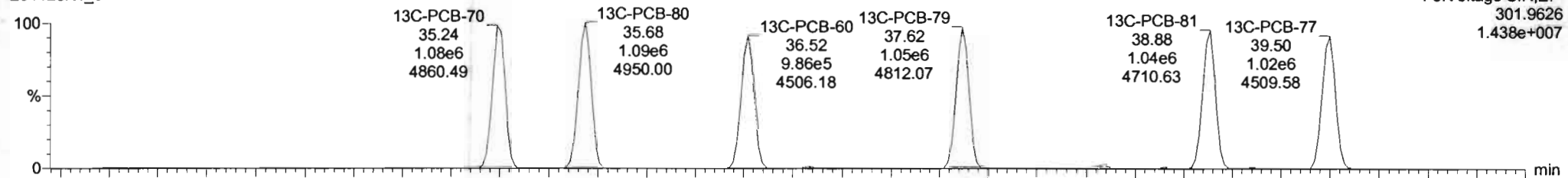


201125K1\_3

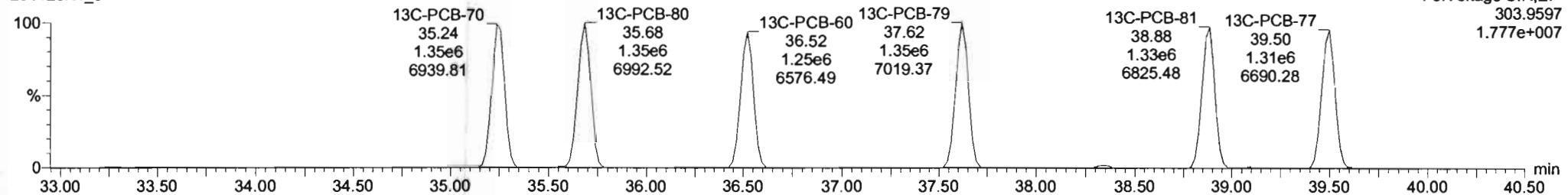


**13C-PCB-60**

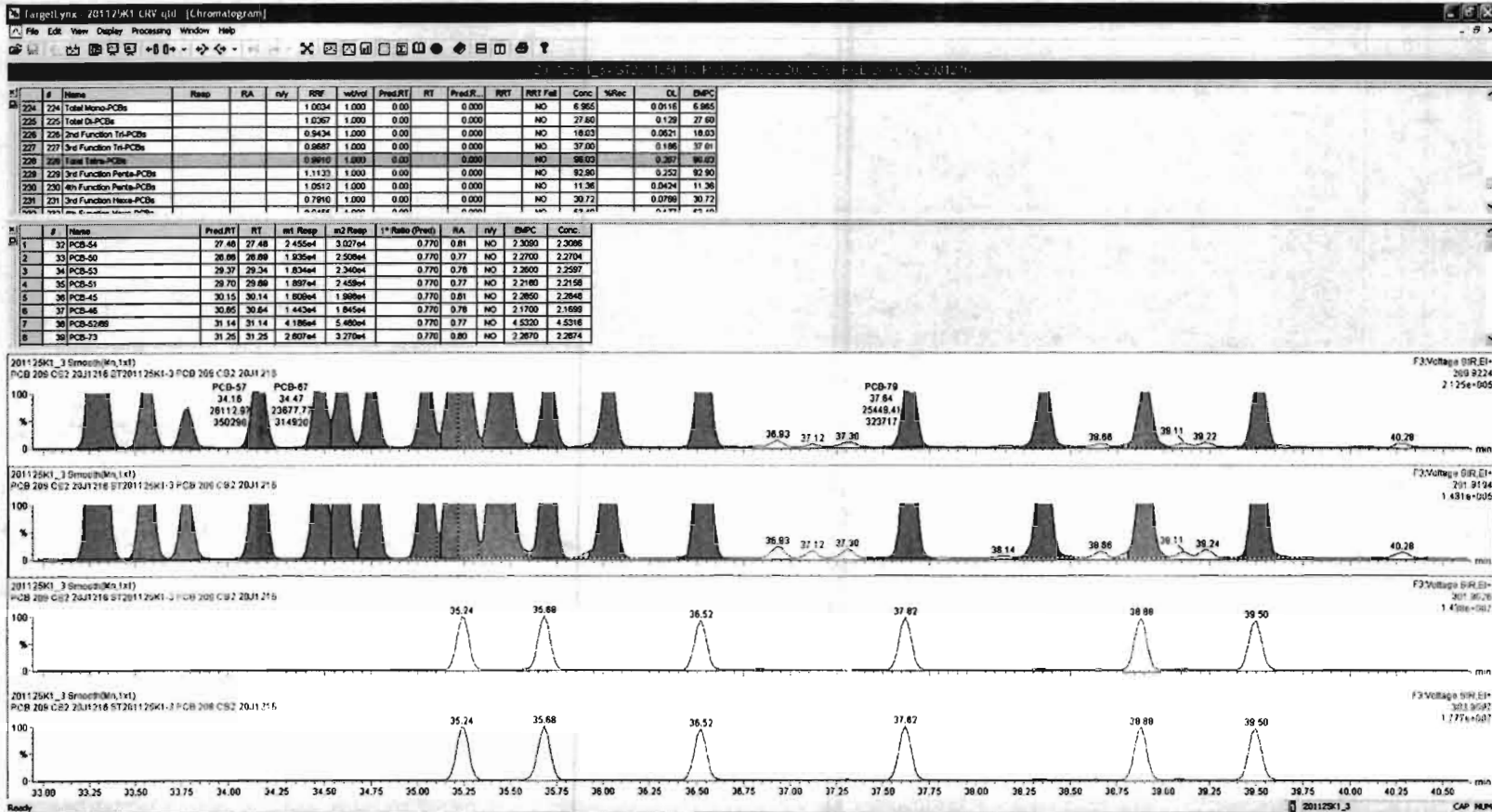
201125K1\_3



201125K1\_3







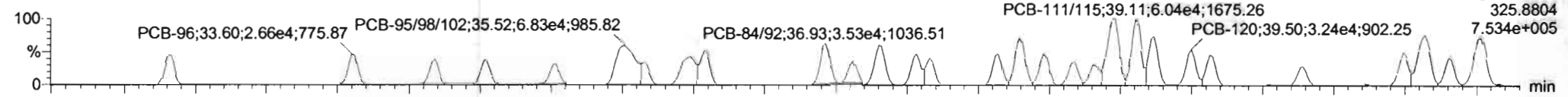
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

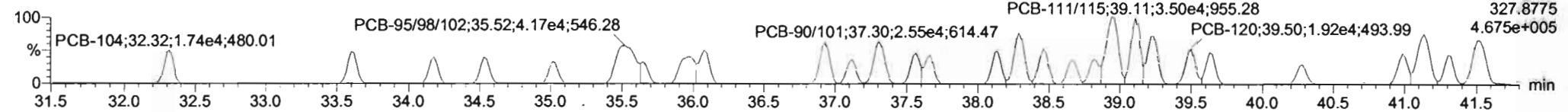
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**PCB-104**

201125K1\_3

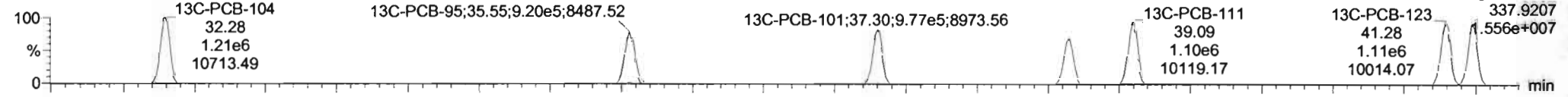


201125K1\_3

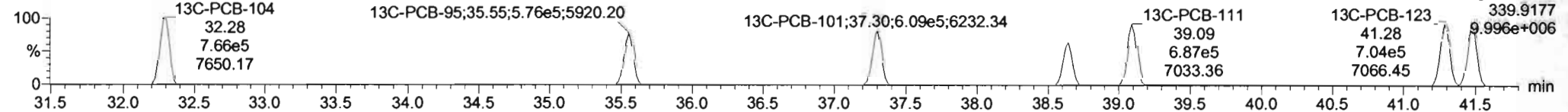


**13C-PCB-104**

201125K1\_3

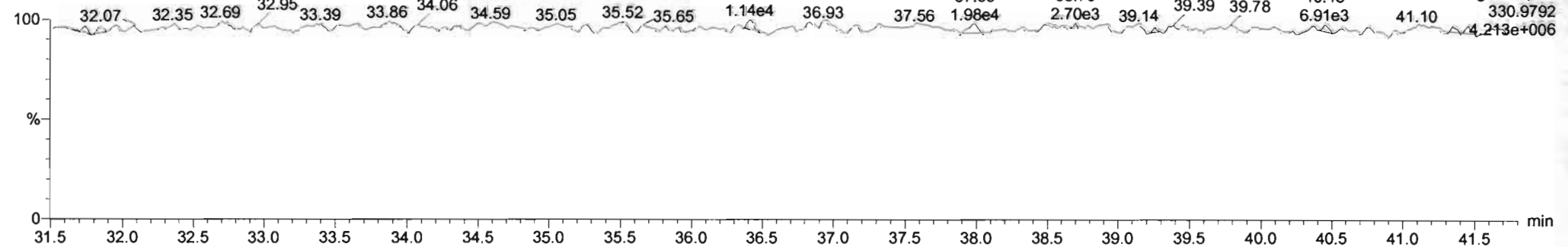


201125K1\_3



**PFK3b**

201125K1\_3





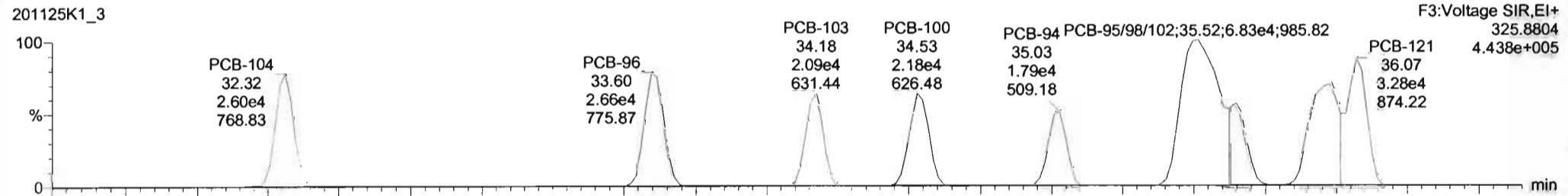
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

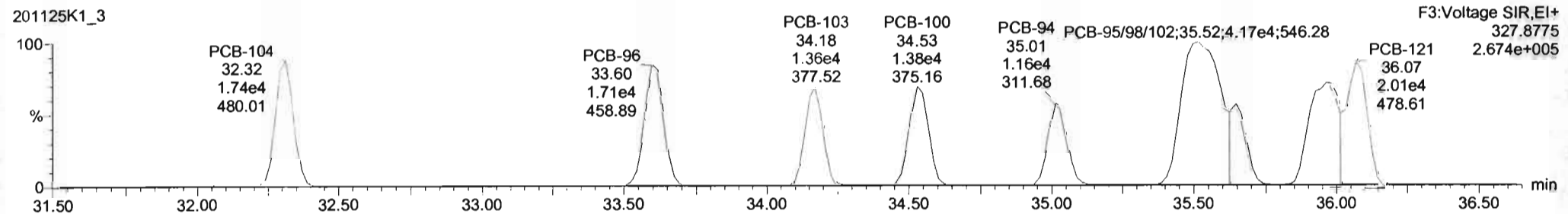
Name: 201125K1\_3, Date: 25-Nov-2020, Time: 11:48:31, ID: ST201125K1-3 PCB 209 CS2 20J1216, Description: PCB 209 CS2 20J1216

**PCB-96**

201125K1\_3

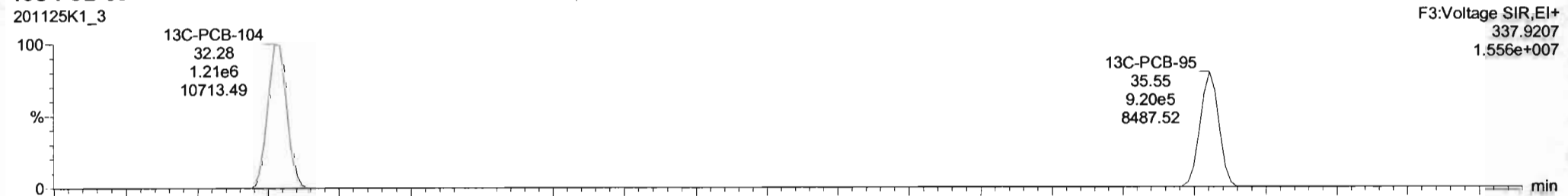


201125K1\_3

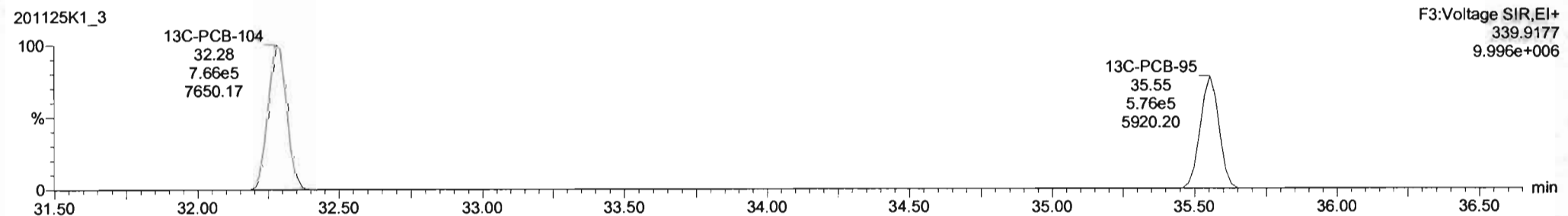


**13C-PCB-95**

201125K1\_3



201125K1\_3



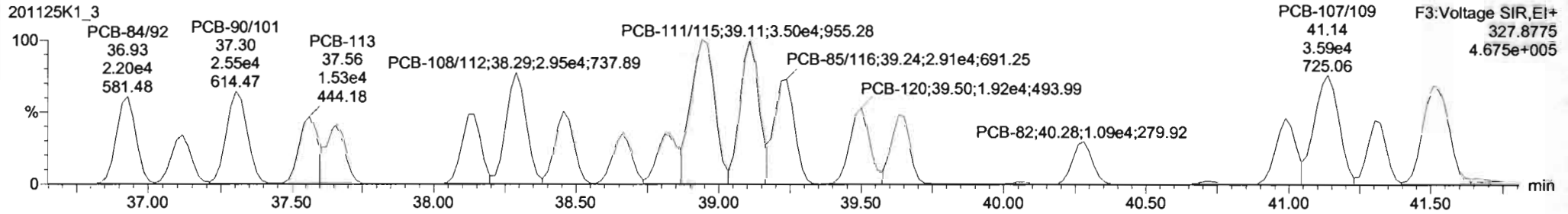
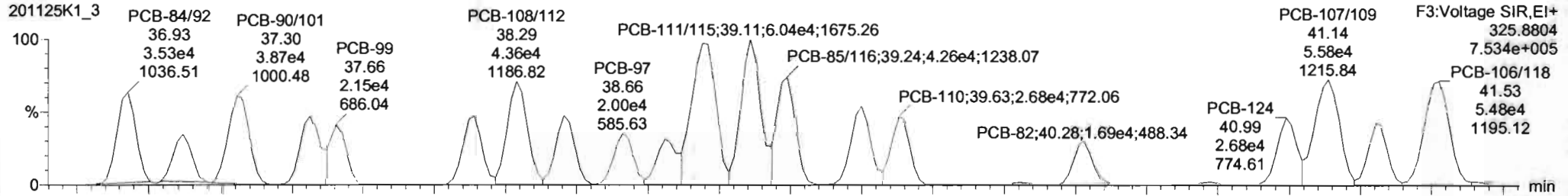
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

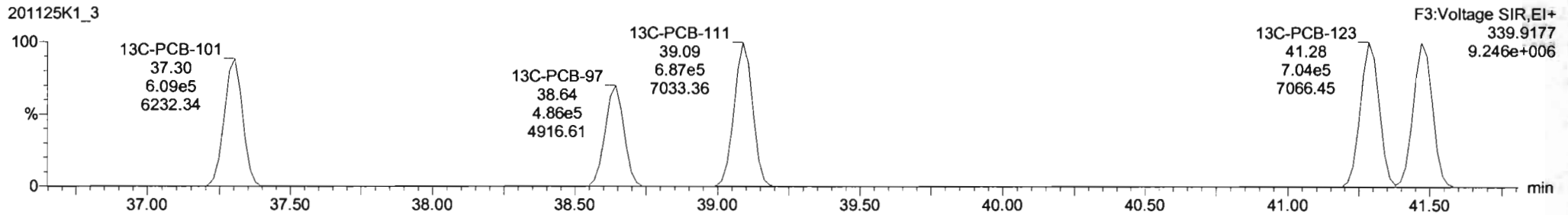
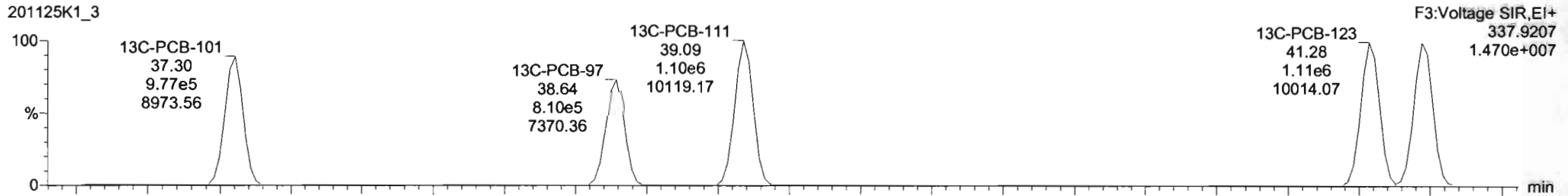
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

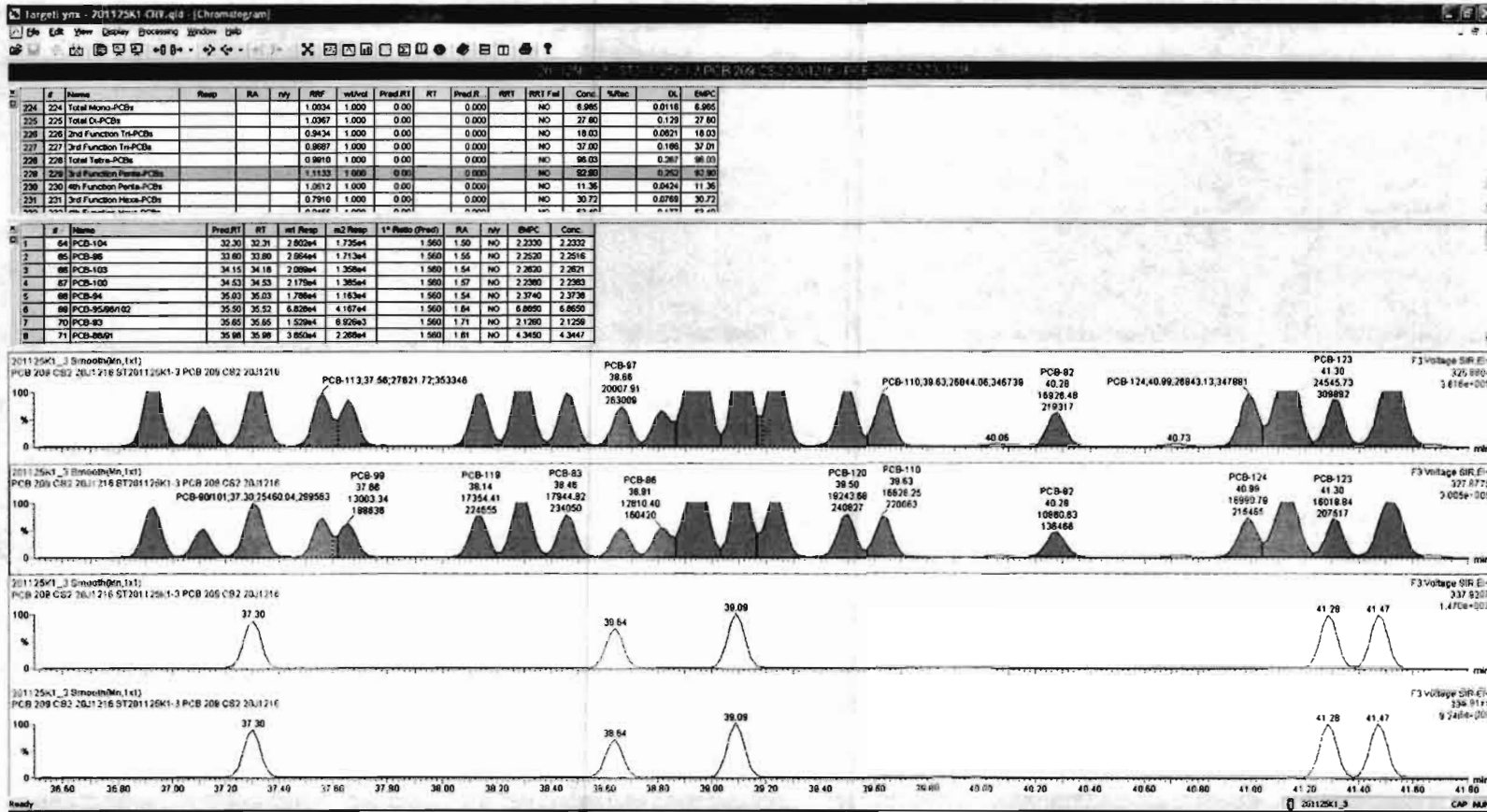
Name: 201125K1\_3, Date: 25-Nov-2020, Time: 11:48:31, ID: ST201125K1-3 PCB 209 CS2 20J1216, Description: PCB 209 CS2 20J1216

**PCB-119**



**13C-PCB-111**





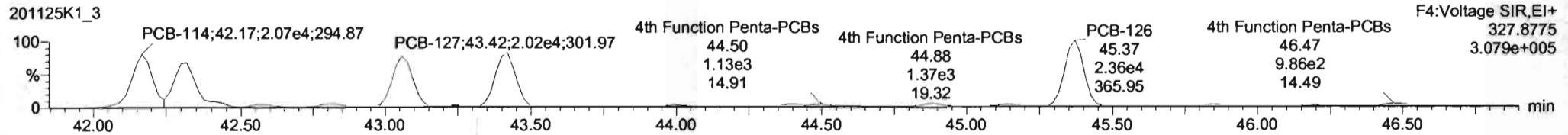
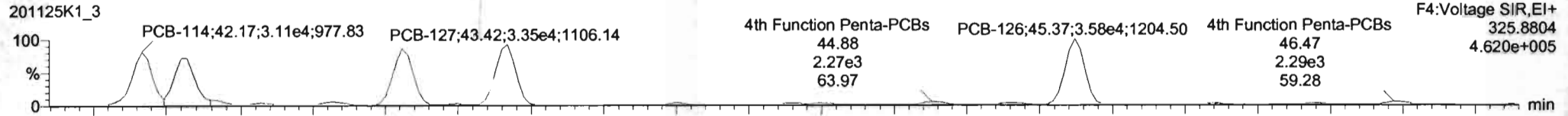
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

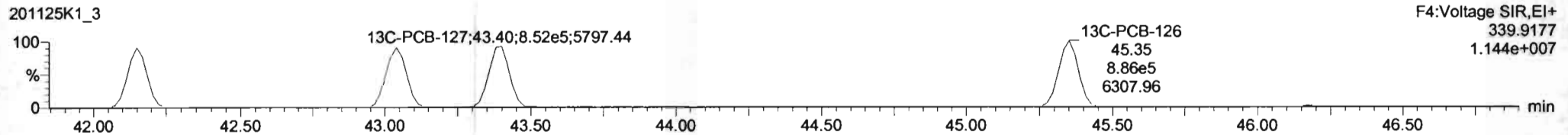
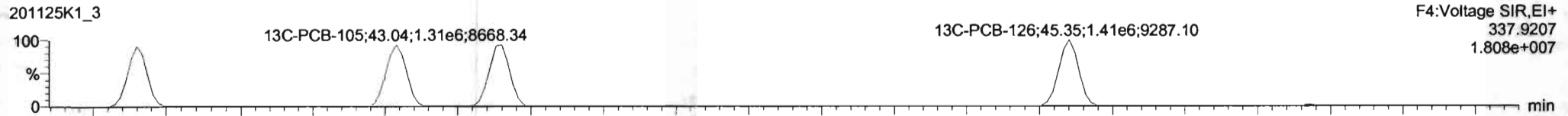
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_3, Date: 25-Nov-2020, Time: 11:48:31, ID: ST201125K1-3 PCB 209 CS2 20J1216, Description: PCB 209 CS2 20J1216

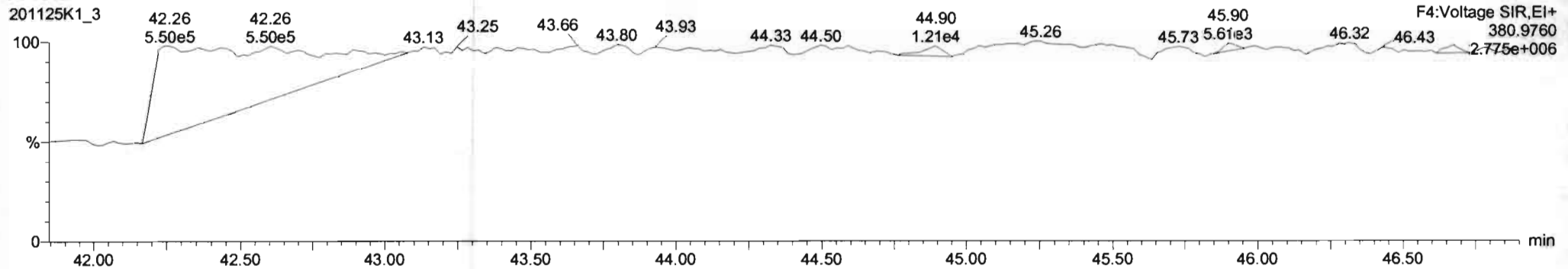
**PCB-114**



**13C-PCB-114**

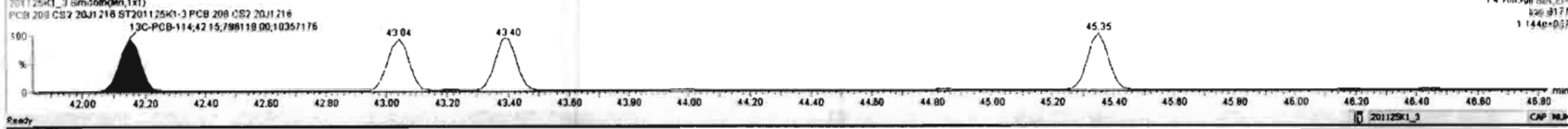
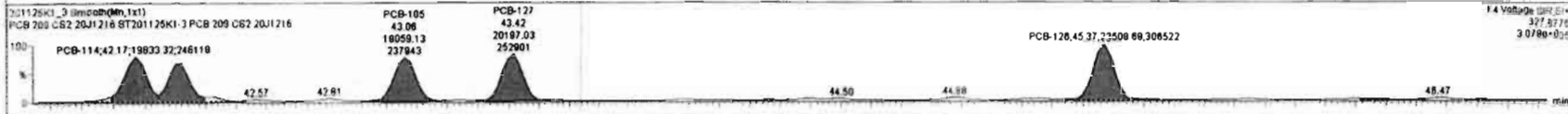


**PFK4a**



#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R	RRT	RRT Fal	Conc	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0034	1.000	0.00	0.000			NO	6.985		0.0116	6.965
225	225 Total Di-PCBs				1.0067	1.000	0.00	0.000			NO	27.80		0.129	27.60
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00	0.000			NO	18.03		0.0621	18.03
227	227 3rd Function Tri-PCBs				0.9687	1.000	0.00	0.000			NO	37.00		0.186	37.01
228	228 Total Tetra-PCBs				0.9910	1.000	0.00	0.000			NO	86.03		0.267	86.03
229	229 3rd Function Penta-PCBs				1.1133	1.000	0.00	0.000			NO	62.93		0.252	62.90
230	230 4th Function Penta-PCBs				1.0913	1.000	0.00	0.000			NO	11.28		0.0624	11.28
231	231 3rd Function Hexa-PCBs				0.7910	1.000	0.00	0.000			NO	30.72		0.0769	30.72

#	Name	Pred.RT	RT	wt Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc
1	93 PCB-114	42.17	42.17	2.983e4	1.983e4	1.580	1.50	NO	2.2210	2.2200
2	84 PCB-122	42.33	42.33	3.710e4	1.898e4	1.580	1.80	NO	2.3070	2.3073
3	85 PCB-105	43.06	43.06	3.107e4	1.805e4	1.550	1.63	NO	2.2830	2.2826
4	86 PCB-127	43.42	43.42	3.353e4	2.020e4	1.580	1.86	NO	2.2970	2.2968
5	97 PCB-126	45.37	45.37	3.578e4	2.351e4	1.580	1.52	NO	2.2460	2.2449



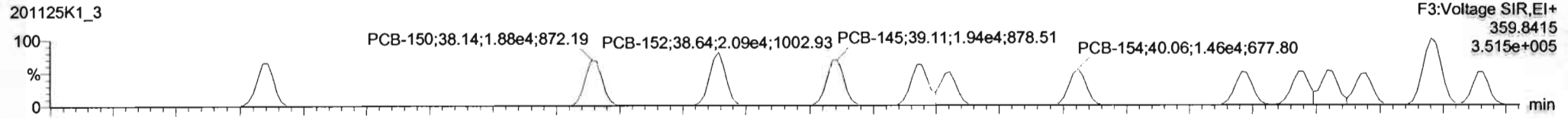
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

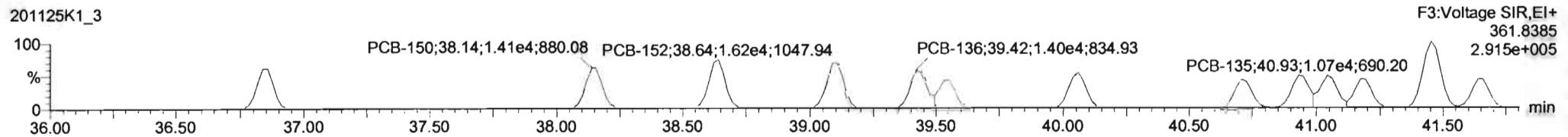
Name: 201125K1\_3, Date: 25-Nov-2020, Time: 11:48:31, ID: ST201125K1-3 PCB 209 CS2 20J1216, Description: PCB 209 CS2 20J1216

**PCB-155**

201125K1\_3

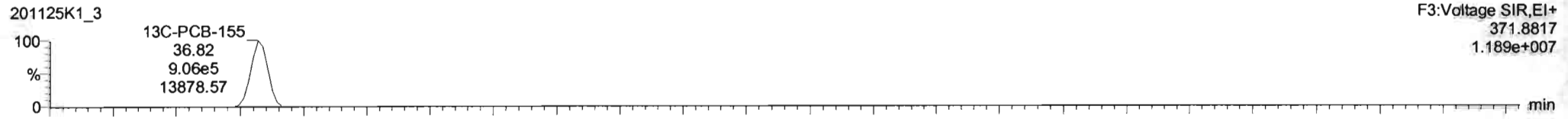


201125K1\_3

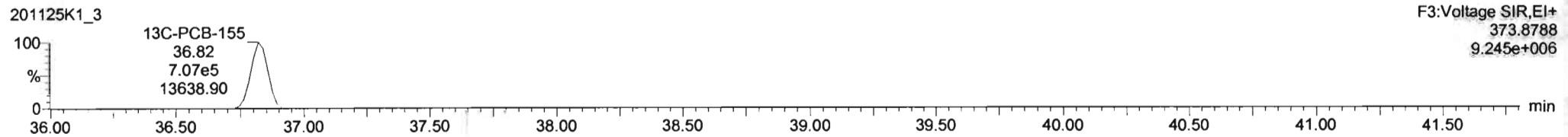


**13C-PCB-155**

201125K1\_3

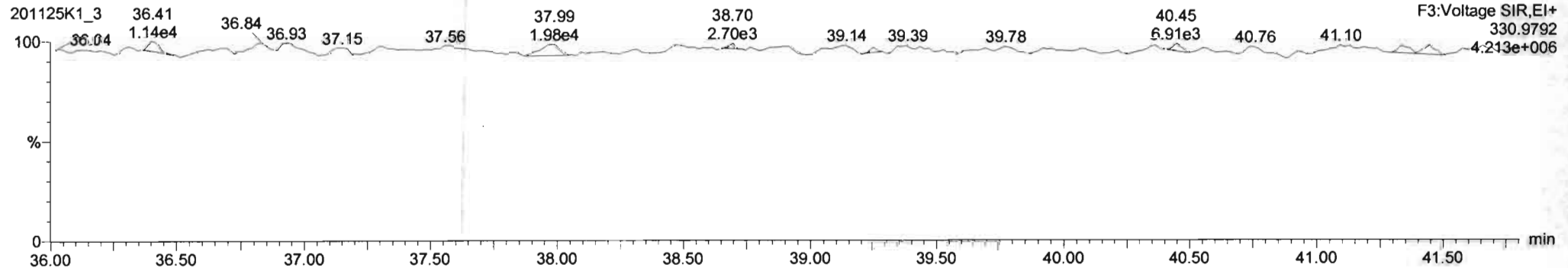


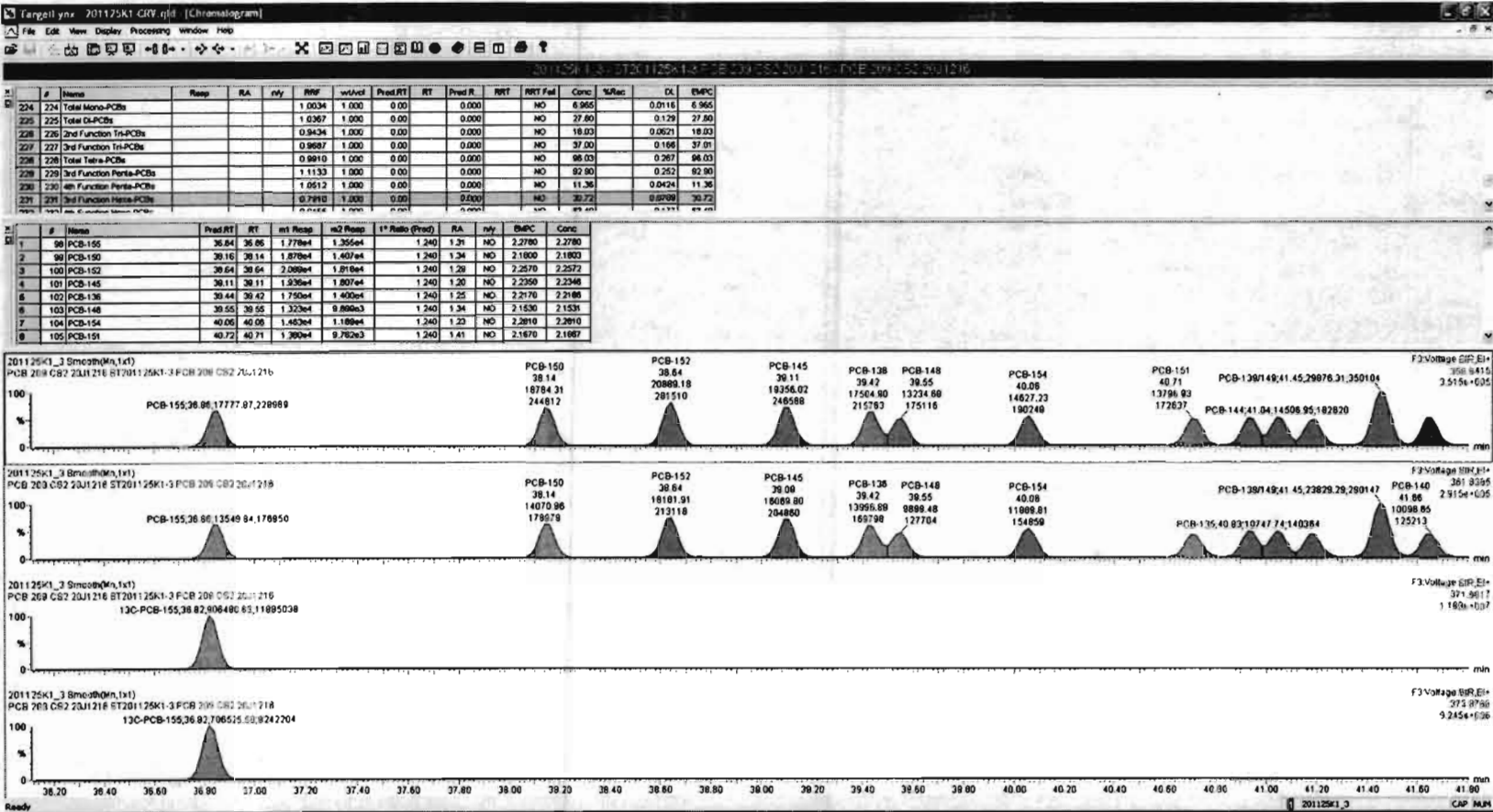
201125K1\_3



**PFK3c**

201125K1\_3

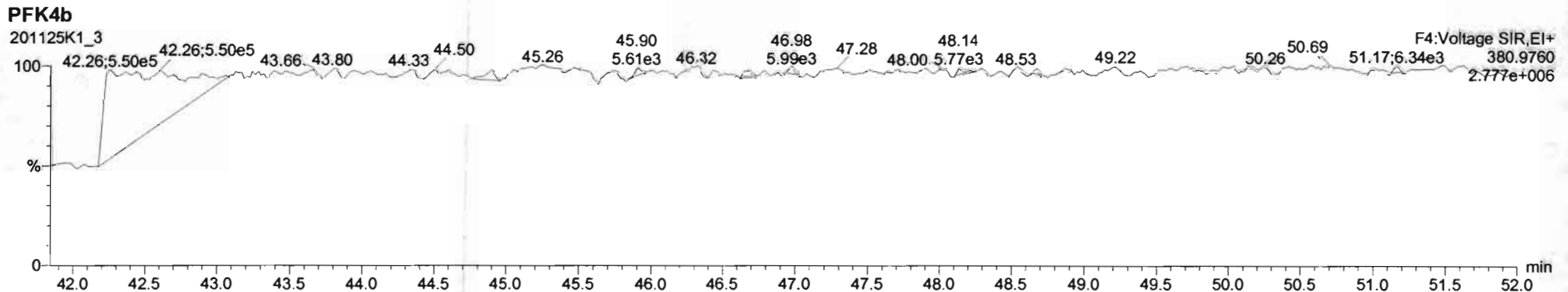
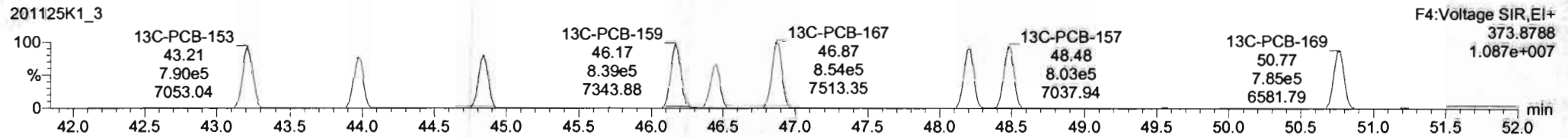
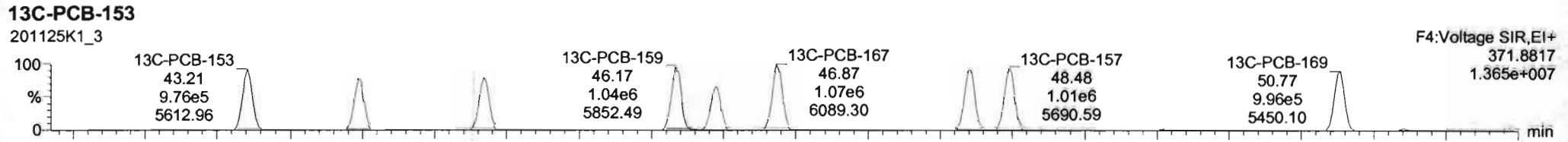
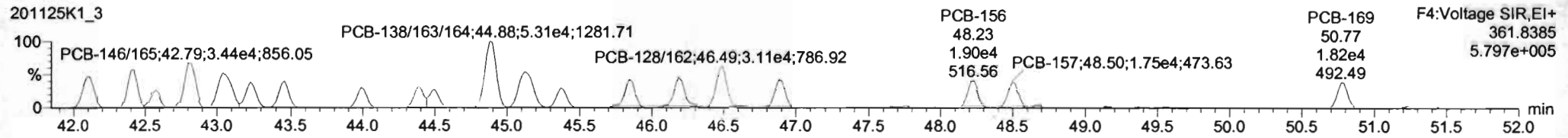
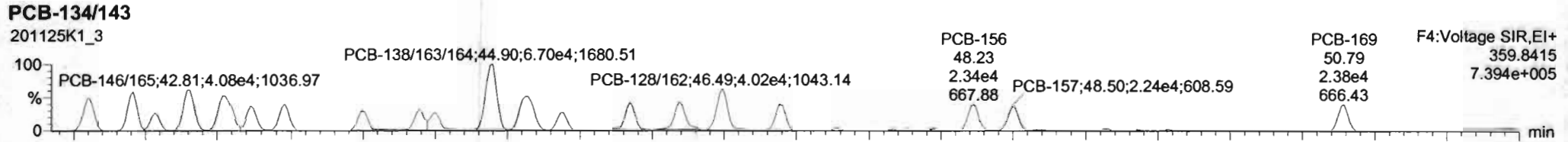




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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

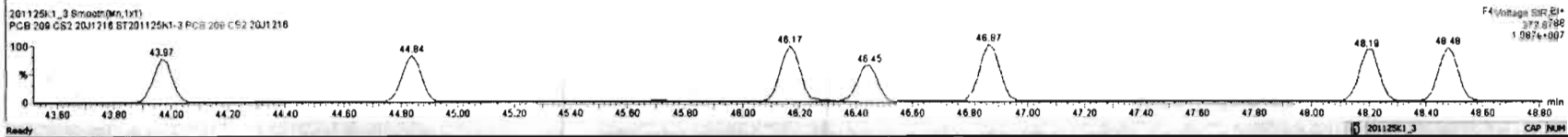
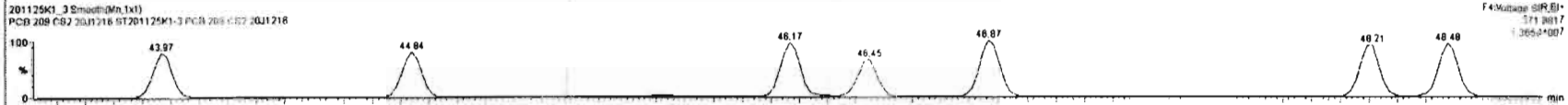
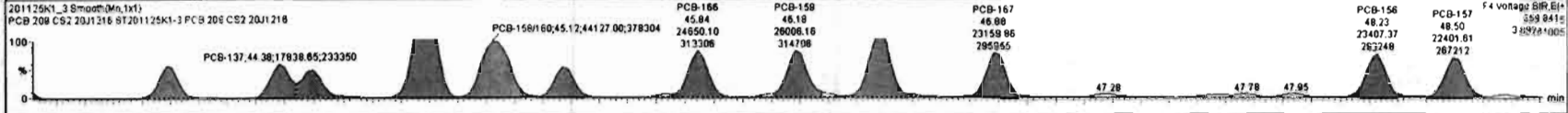
Name: 201125K1\_3, Date: 25-Nov-2020, Time: 11:48:31, ID: ST201125K1-3 PCB 209 CS2 20J1216, Description: PCB 209 CS2 20J1216





#	Name	Resp	RA	nHy	RRF	wt/vol	Pred RT	RT	Pred R...	RRT	RRT Fal	Conc	%Rec	DL	EMPC
224	224	Total Mono-PCBs			1.0034	1.000	0.00	0.000			NO	6.965	0.0116	6.965	
225	225	Total Di-PCBs			1.0367	1.000	0.00	0.000			NO	27.60	0.129	27.60	
226	226	2nd Function Tri-PCBs			0.9434	1.000	0.00	0.000			NO	18.03	0.0621	18.03	
227	227	3rd Function Tri-PCBs			0.9687	1.000	0.00	0.000			NO	37.00	0.168	37.01	
228	228	Total Tetra-PCBs			0.9910	1.000	0.00	0.000			NO	96.03	0.267	96.03	
229	229	3rd Function Penta-PCBs			1.1133	1.000	0.00	0.000			NO	92.90	0.252	92.90	
230	230	4th Function Penta-PCBs			1.0512	1.000	0.00	0.000			NO	11.36	0.0424	11.36	
231	231	3rd Function Hexa-PCBs			0.7910	1.000	0.00	0.000			NO	30.72	0.0769	30.72	

#	Name	Pred RT	RT	wt Resp	m2 Resp	1* Ratio (Pred)	RA	nHy	EMPC	Conc
1	111 PCB-134n43	42.11	42.08	3.241e4	2.567e4	1.240	1.26	NO	4.5020	4.5915
2	112 PCB-137n33	42.42	42.41	3.338e4	2.846e4	1.240	1.26	NO	4.4060	4.4063
3	113 PCB-142	42.56	42.57	1.597e4	1.226e4	1.240	1.23	NO	2.2530	2.2526
4	114 PCB-146n65	42.81	42.81	4.077e4	3.439e4	1.240	1.19	NO	4.5100	4.5103
5	115 PCB-132n61	43.00	43.04	4.228e4	3.347e4	1.240	1.26	NO	4.4810	4.4813
6	116 PCB-153	43.25	43.23	2.205e4	1.793e4	1.240	1.23	NO	2.2860	2.2862
7	117 PCB-168	43.46	43.46	2.243e4	1.769e4	1.240	1.27	NO	2.1950	2.1945
8	118 PCB-141	43.90	43.99	1.892e4	1.356e4	1.240	1.26	NO	2.1810	2.1806

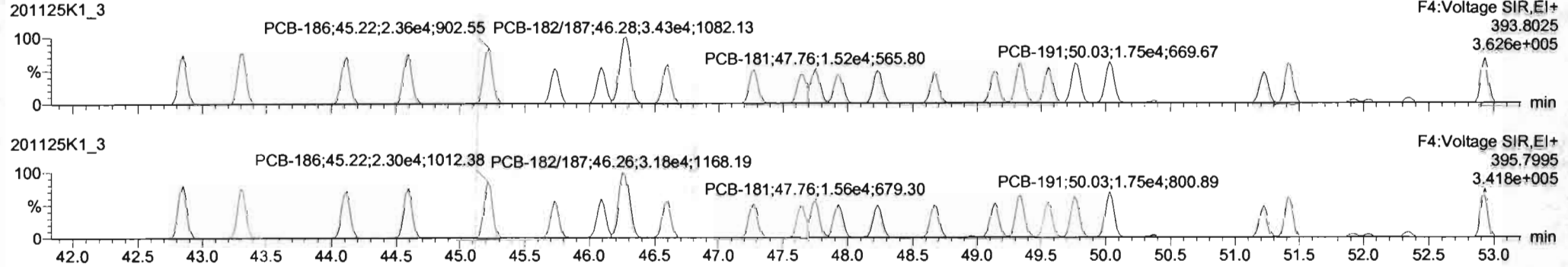


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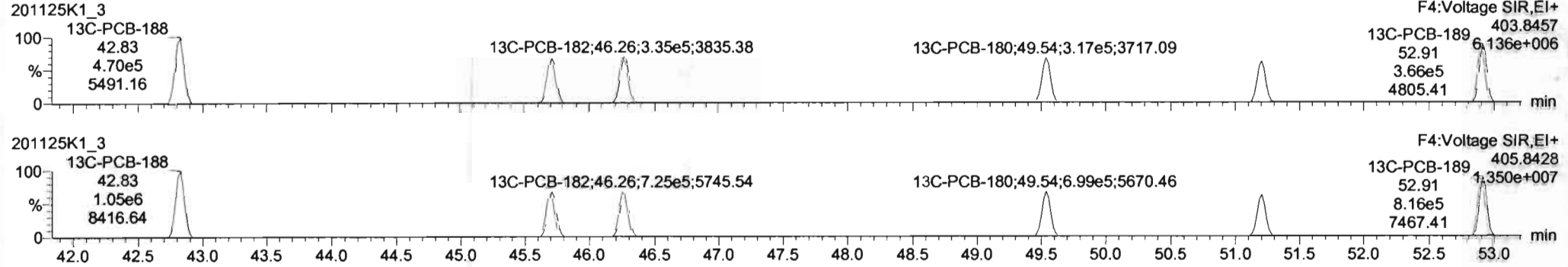
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_3, Date: 25-Nov-2020, Time: 11:48:31, ID: ST201125K1-3 PCB 209 CS2 20J1216, Description: PCB 209 CS2 20J1216

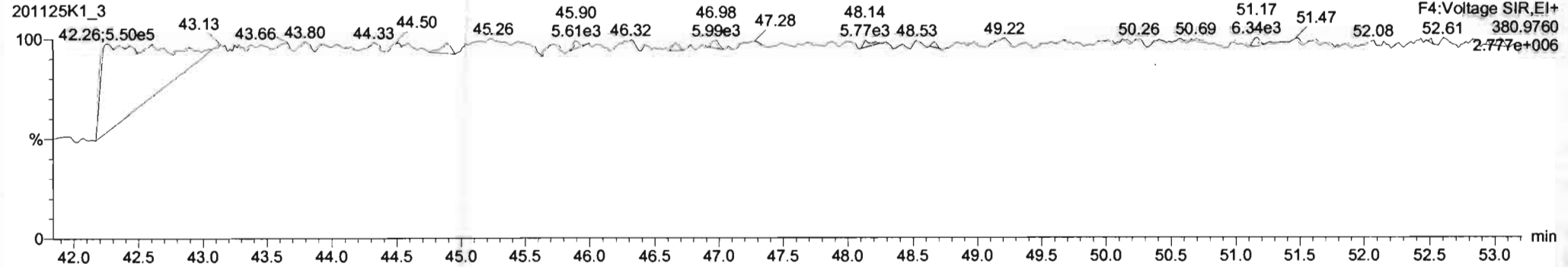
**PCB-188**



**13C-PCB-188**



**PFK4c**

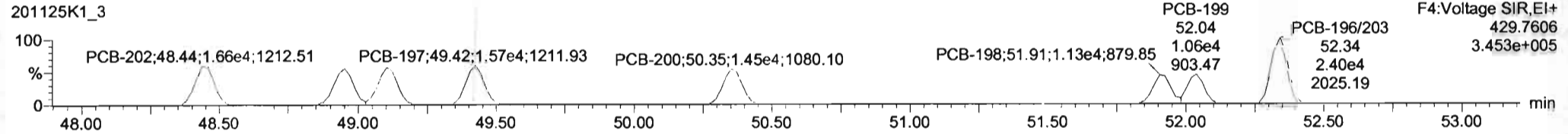
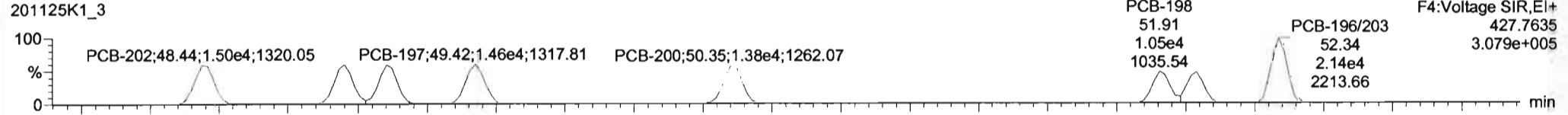


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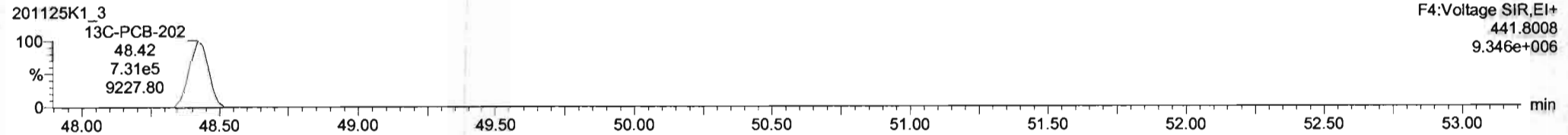
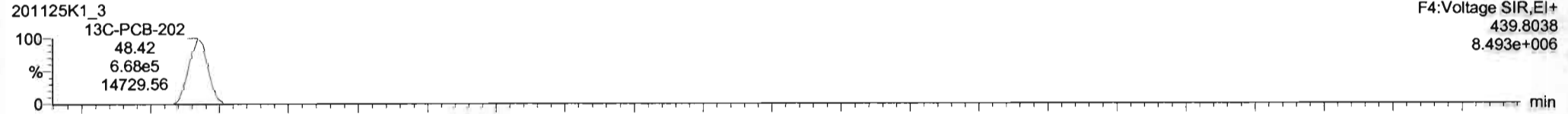
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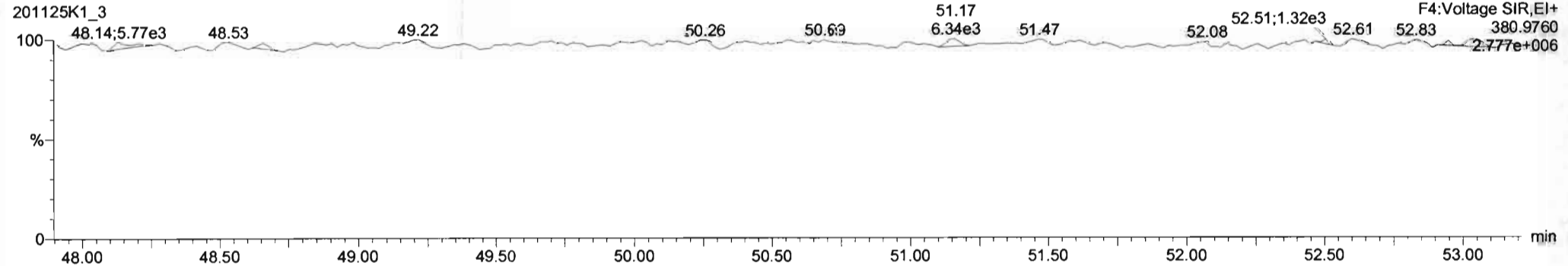
**PCB-202**



**13C-PCB-202**



**PFK4d**

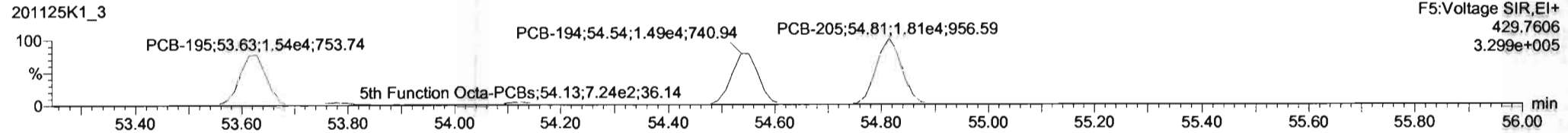
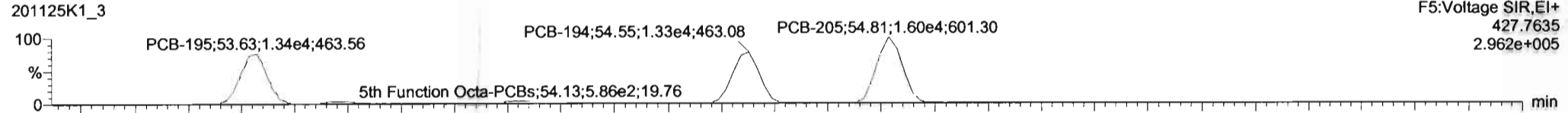


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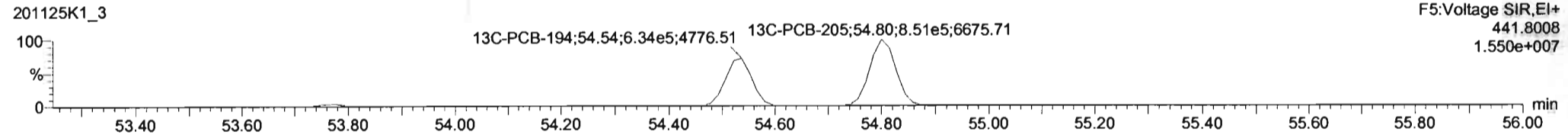
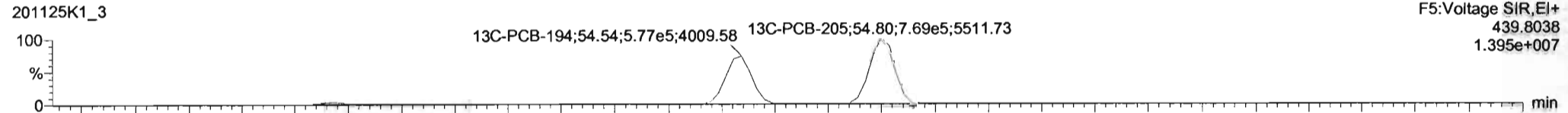
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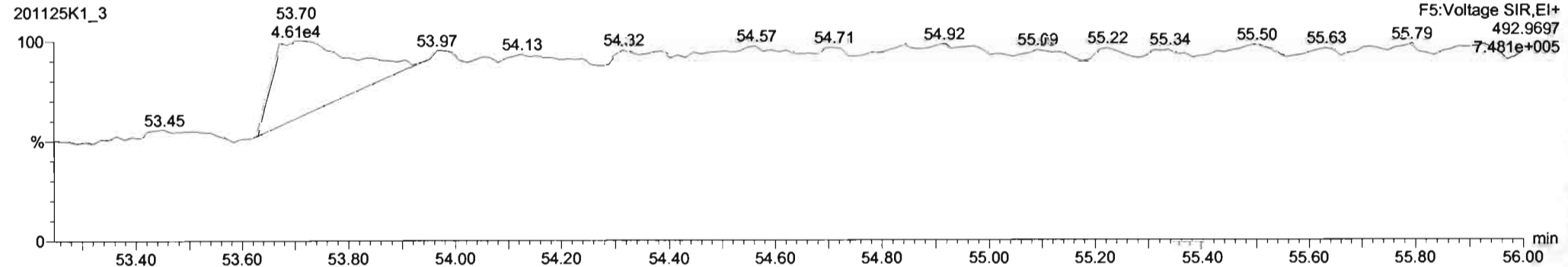
**PCB-195**



**13C-PCB-194**



**PFK5a**

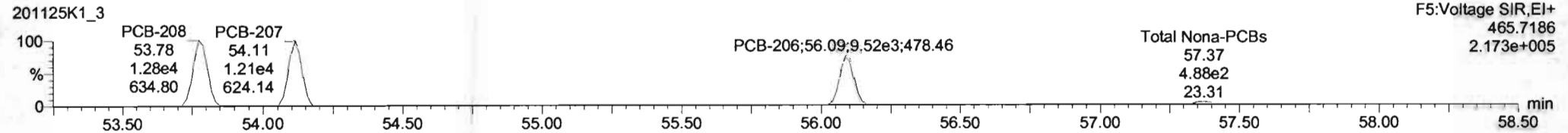
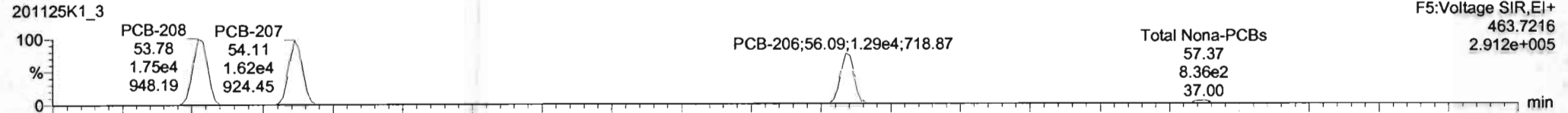


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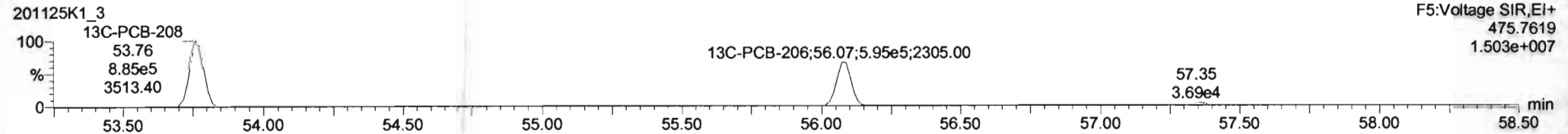
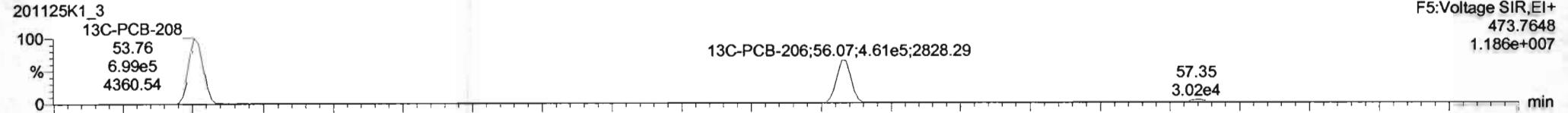
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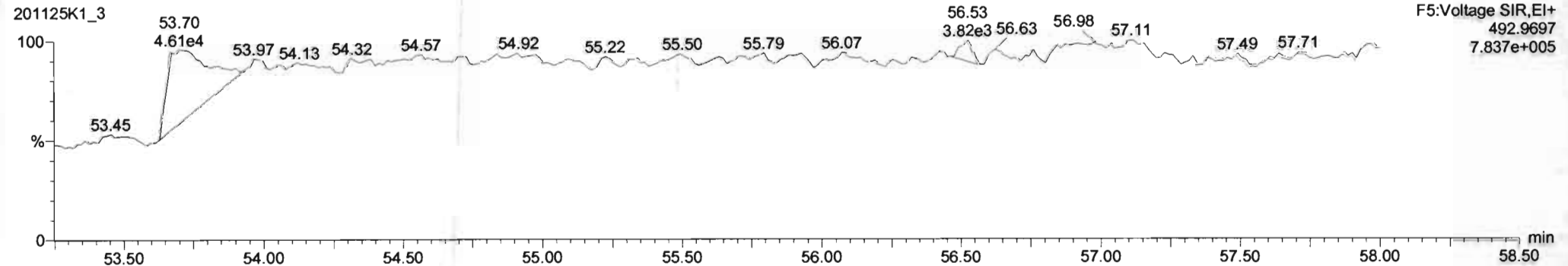
**PCB-208**



**13C-PCB-208**



**PFK5**



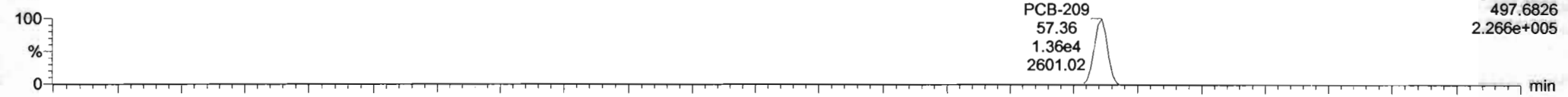
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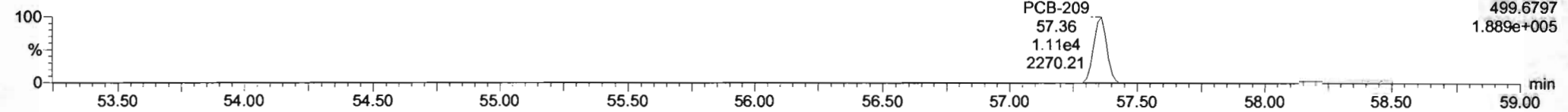
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**PCB-209**

201125K1\_3

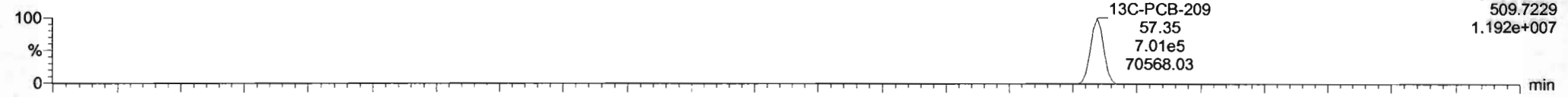


201125K1\_3

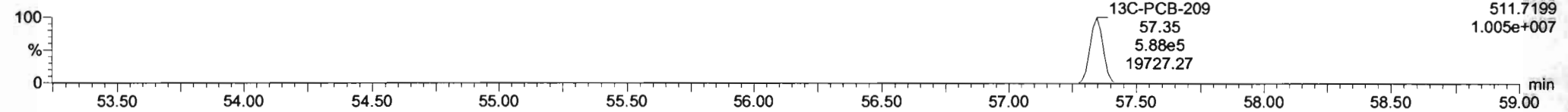


**13C-PCB-209**

201125K1\_3

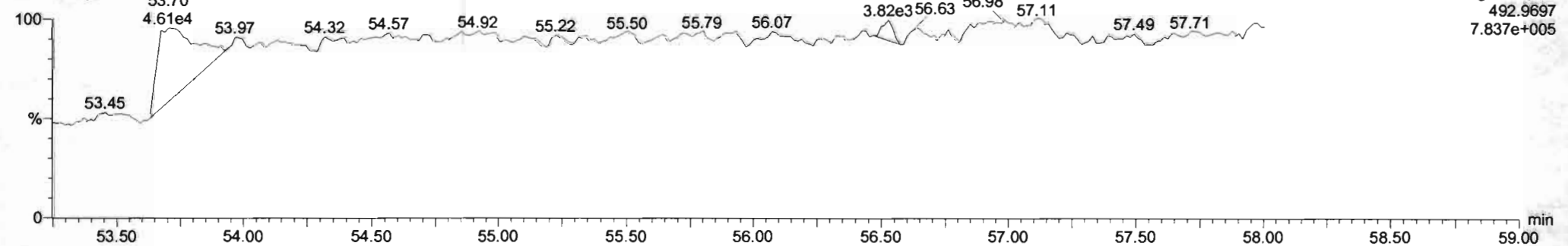


201125K1\_3



**PFK5b**

201125K1\_3



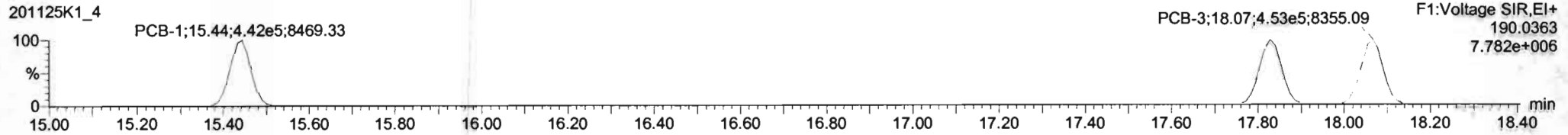
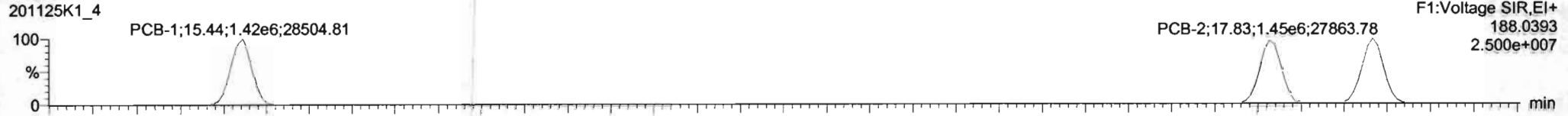
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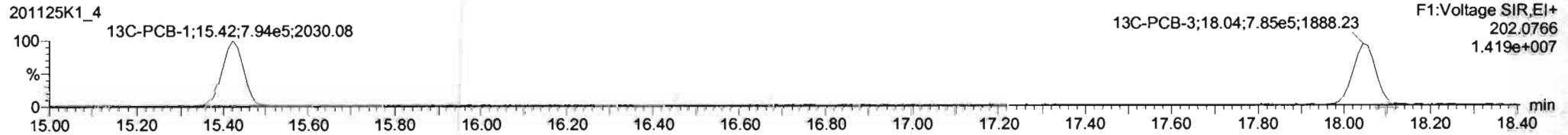
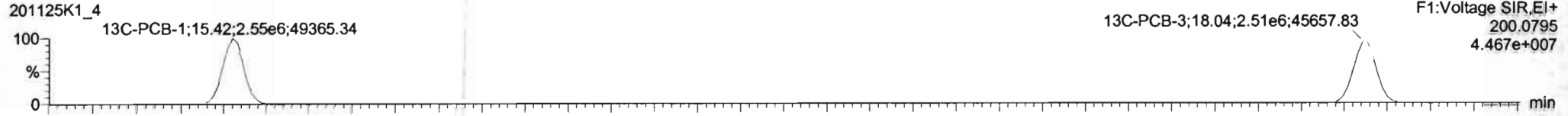
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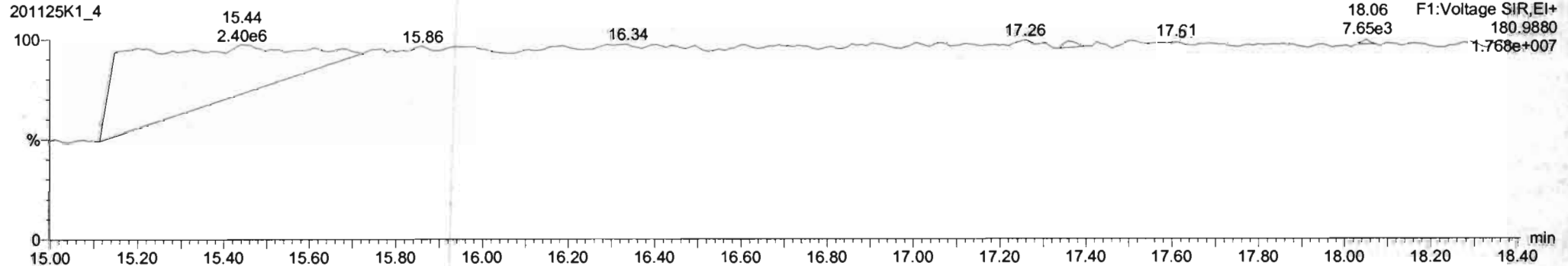
**PCB-1**



**13C-PCB-1**



**PFK1**

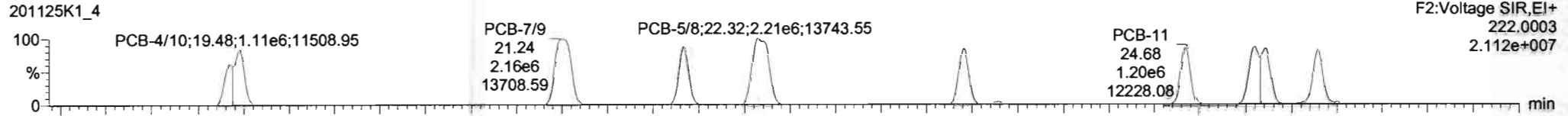


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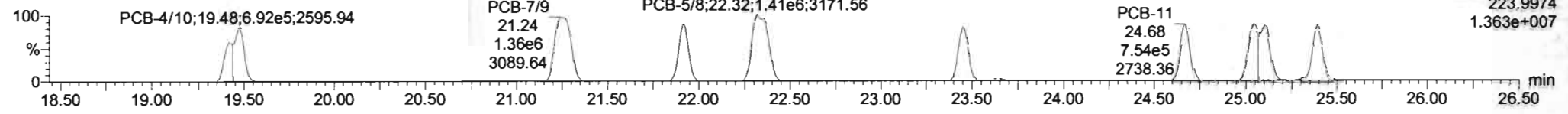
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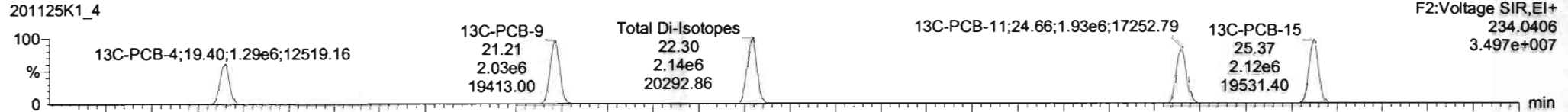
**PCB-4/10**



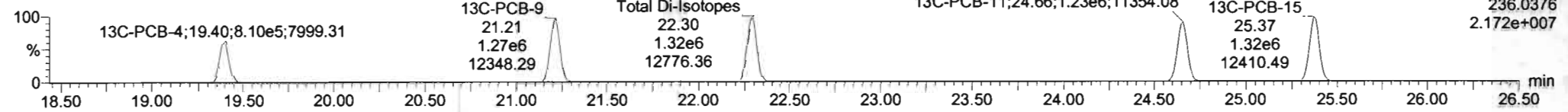
**PCB-4/10**



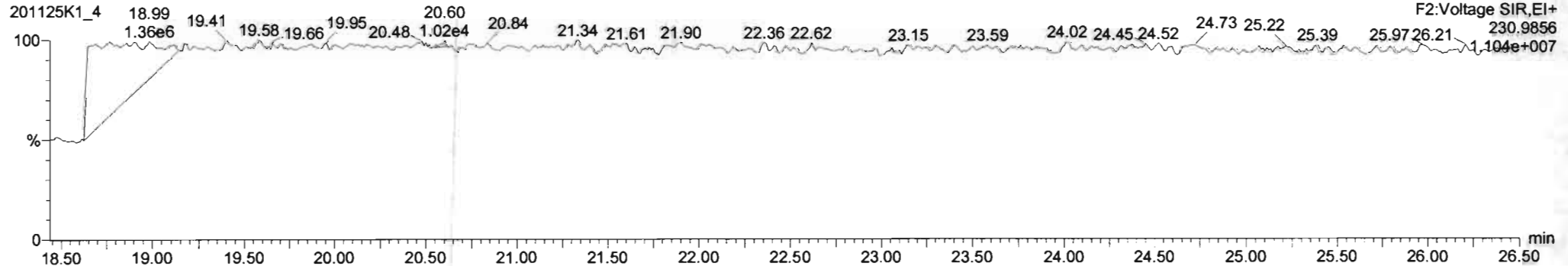
**13C-PCB-4**



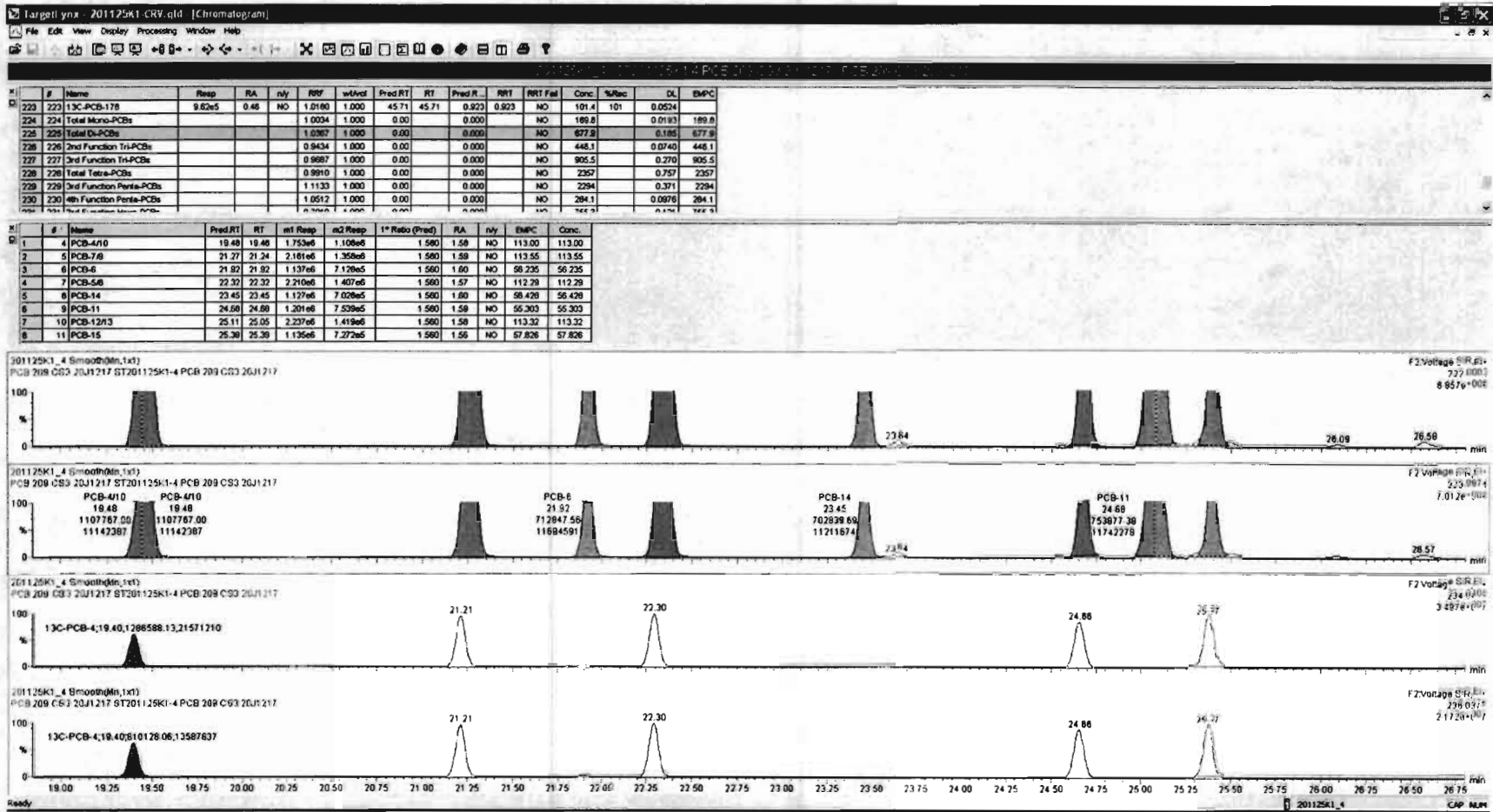
**13C-PCB-4**



**PFK2a**







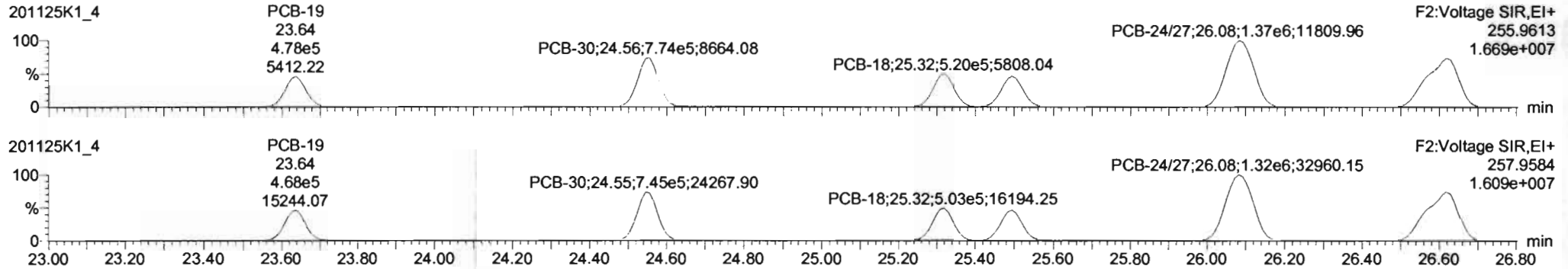
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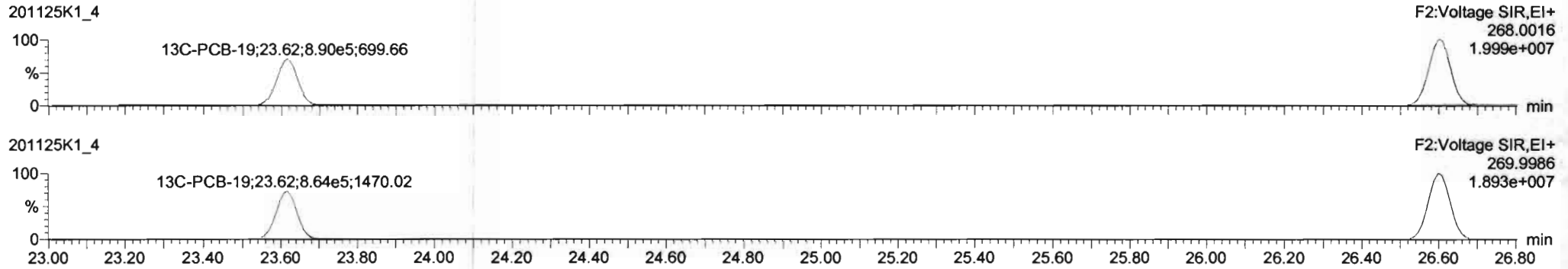
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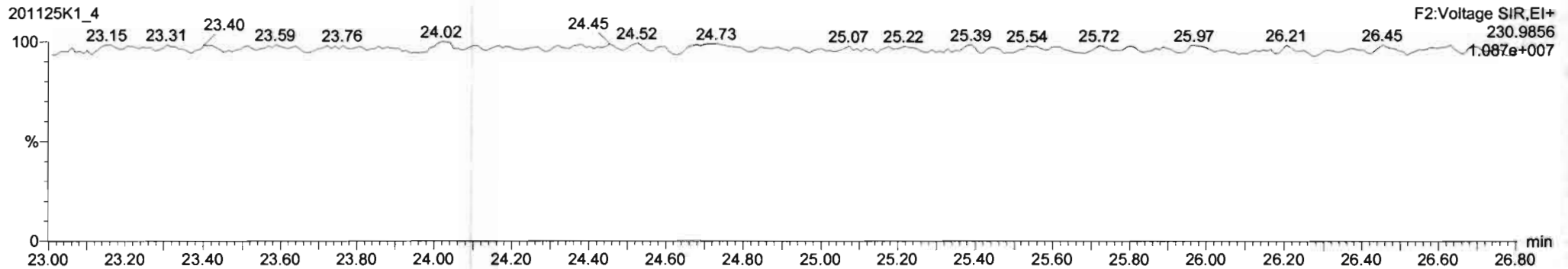
**PCB-19**



**13C-PCB-19**



**PFK2b**

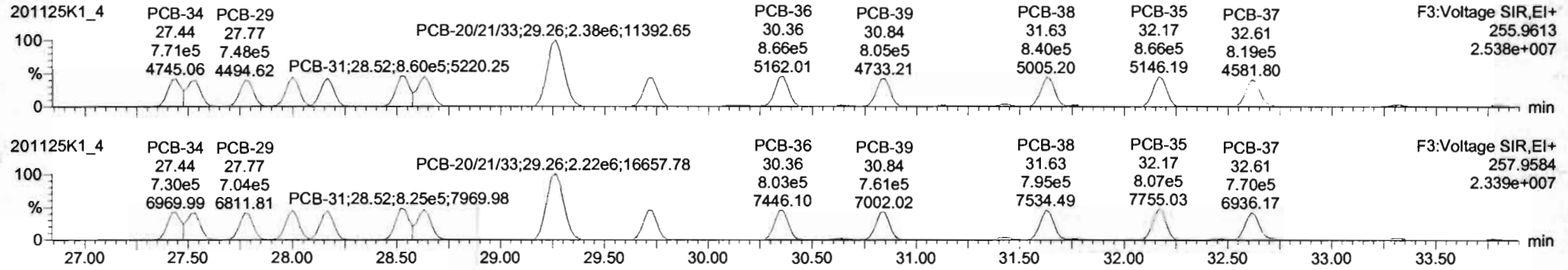


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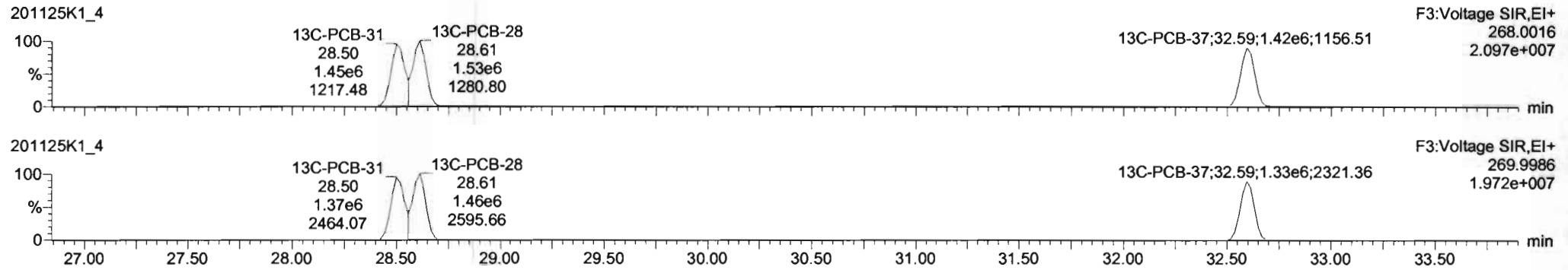
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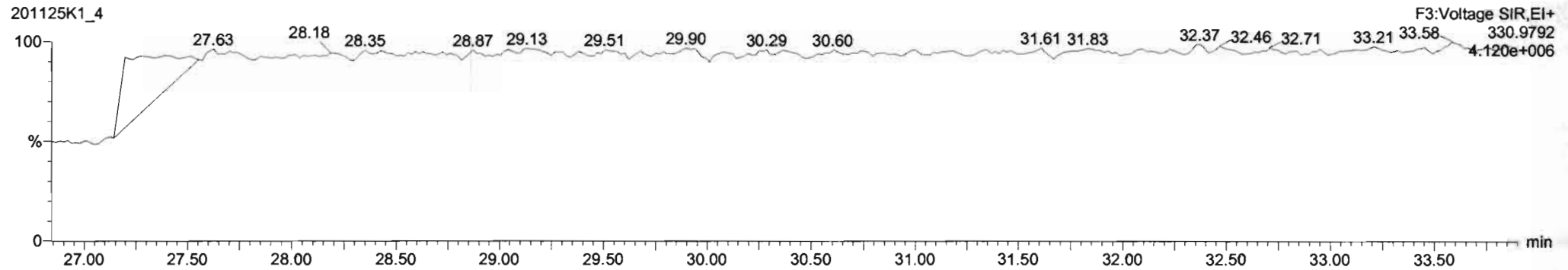
**PCB-34**

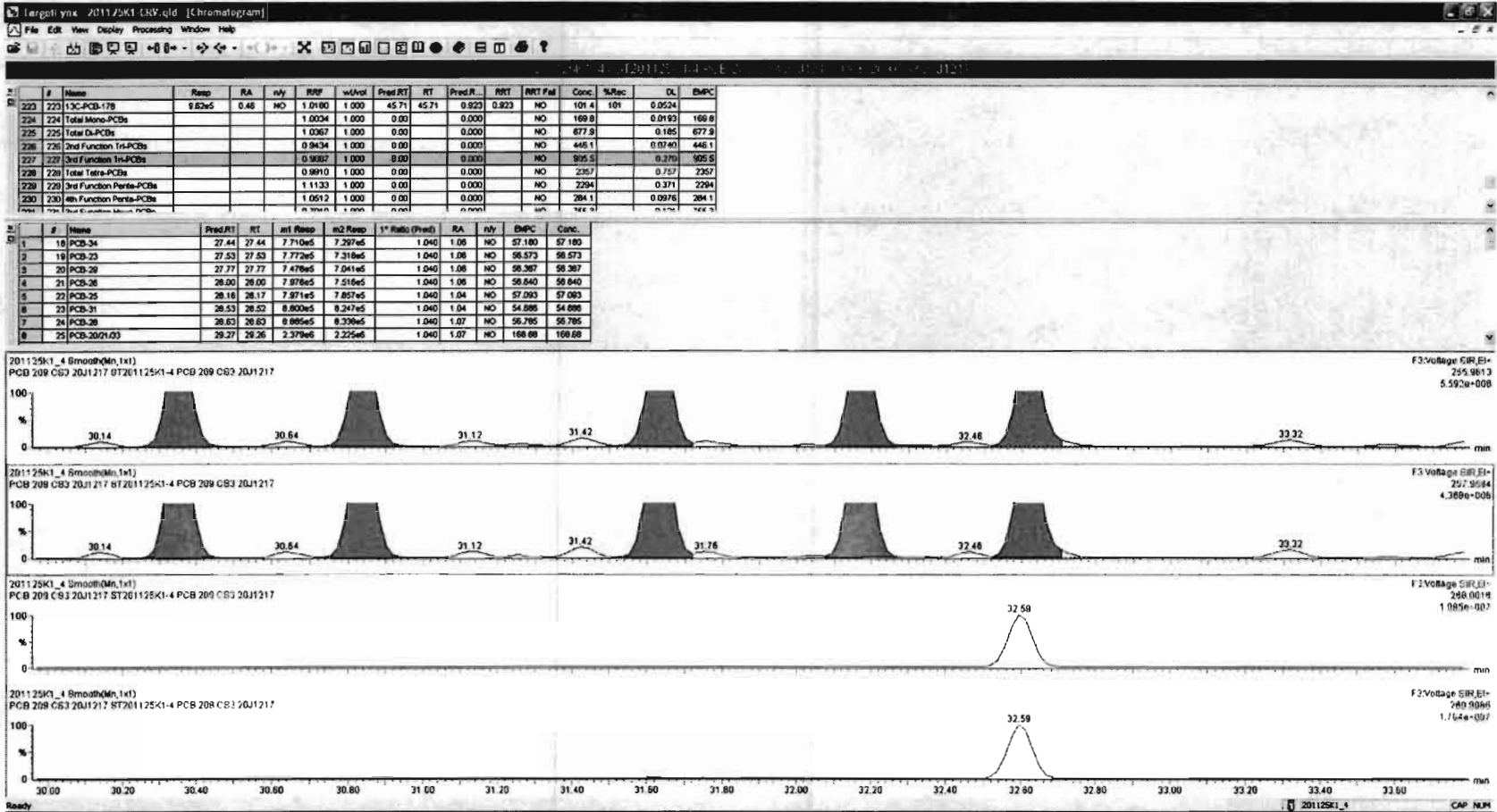


**13C-PCB-28**



**PFK3d**



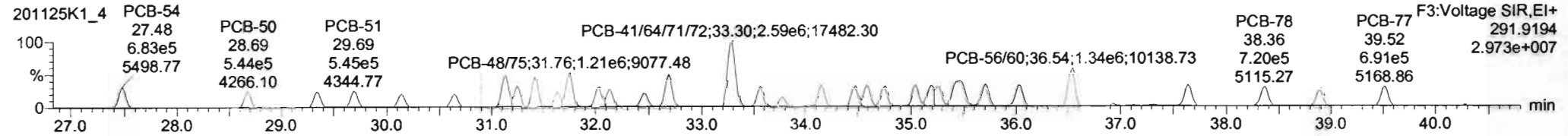
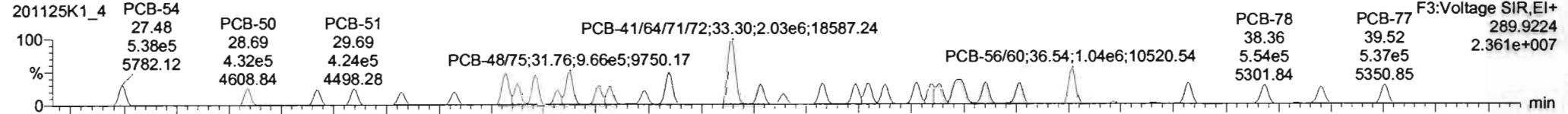


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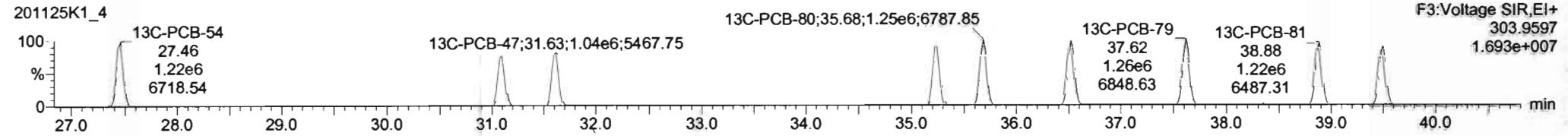
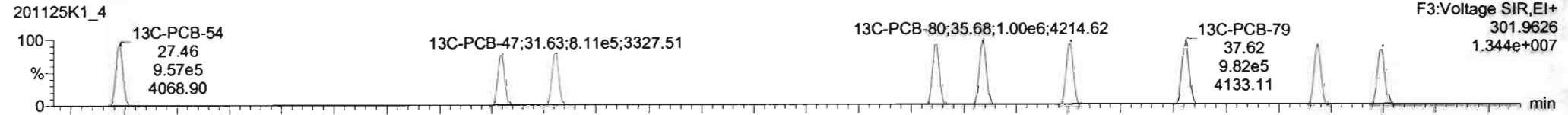
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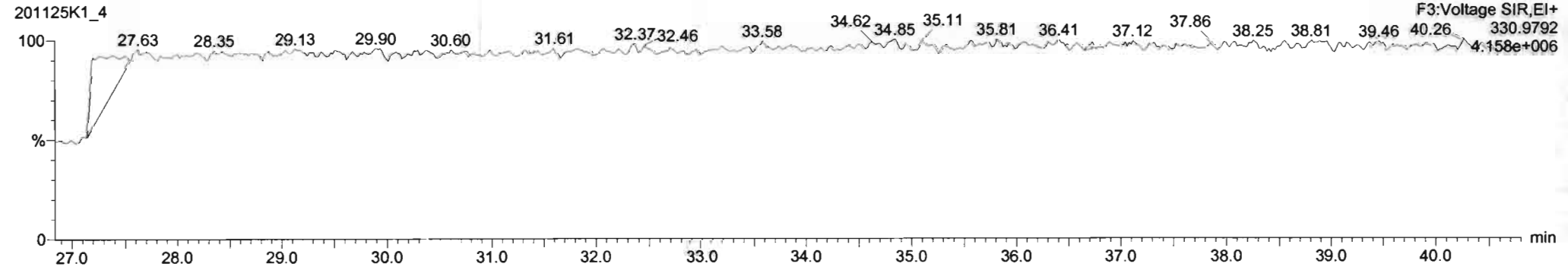
**PCB-54**



**13C-PCB-54**



**PFK3a**



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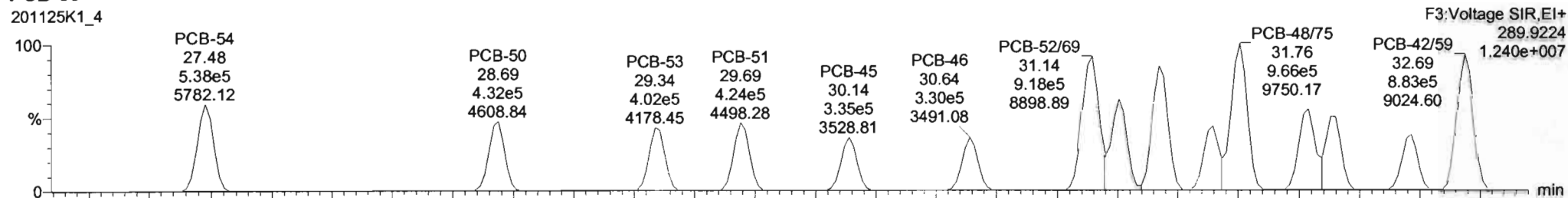
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

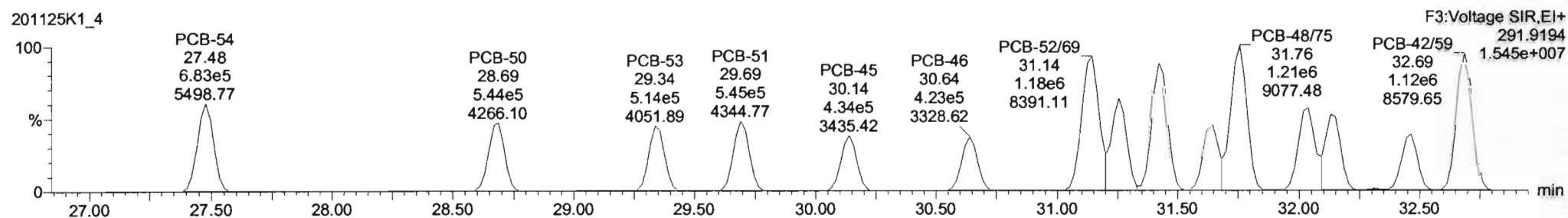
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**PCB-50**

201125K1\_4



201125K1\_4

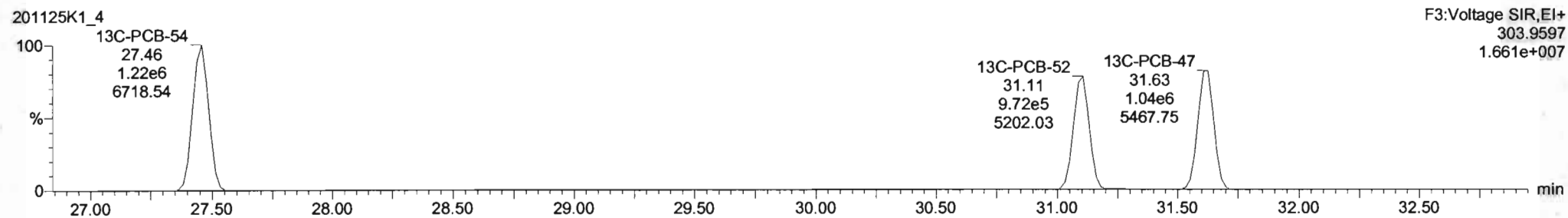


**13C-PCB-52**

201125K1\_4



201125K1\_4



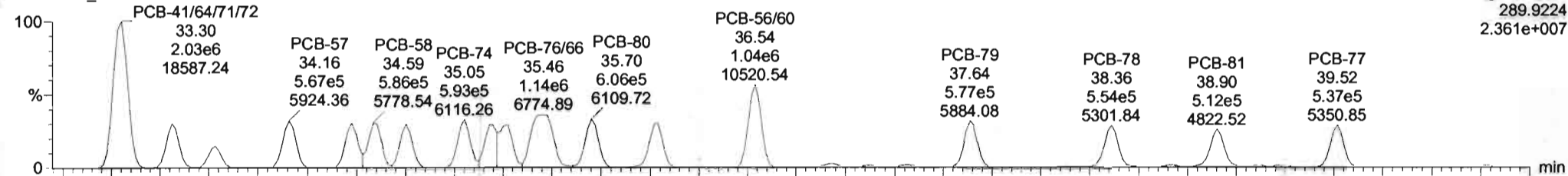
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

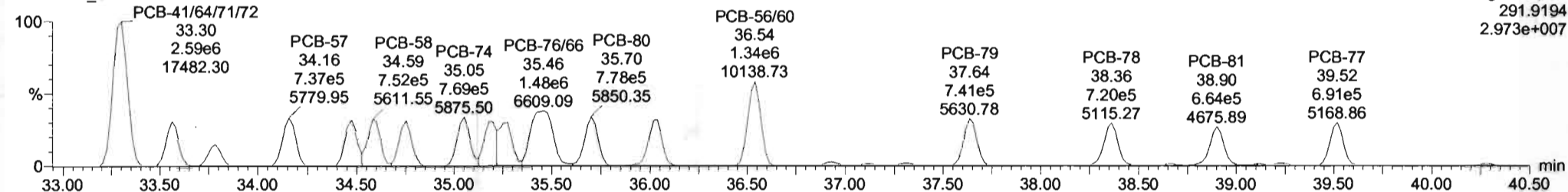
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PCB-68

201125K1\_4

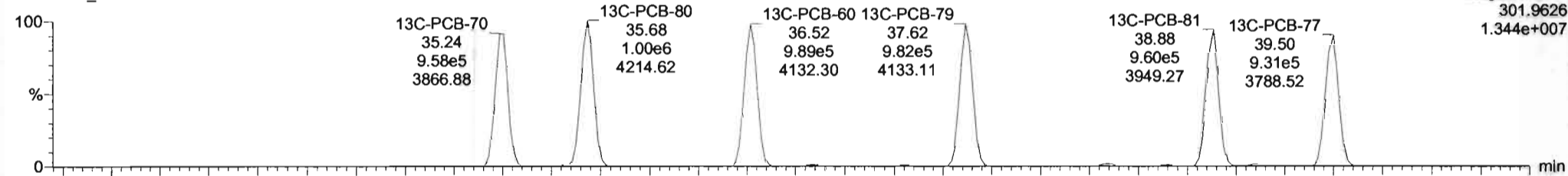


201125K1\_4

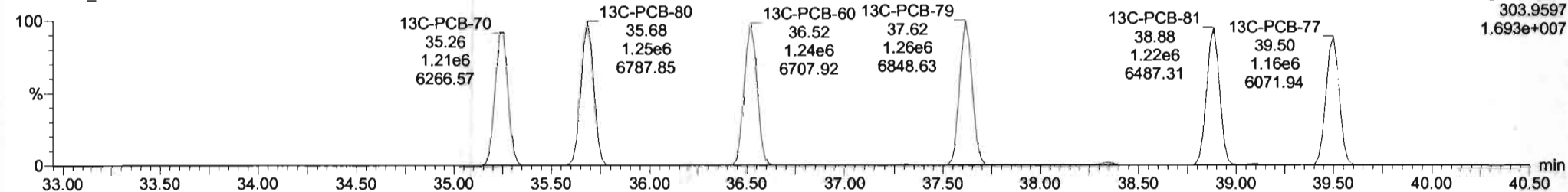


13C-PCB-60

201125K1\_4

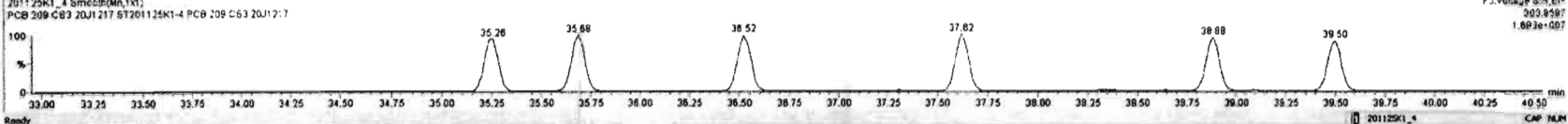
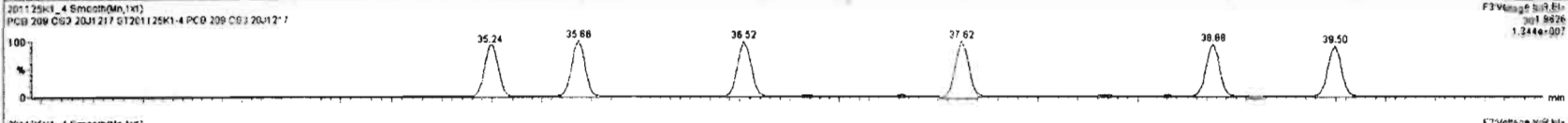
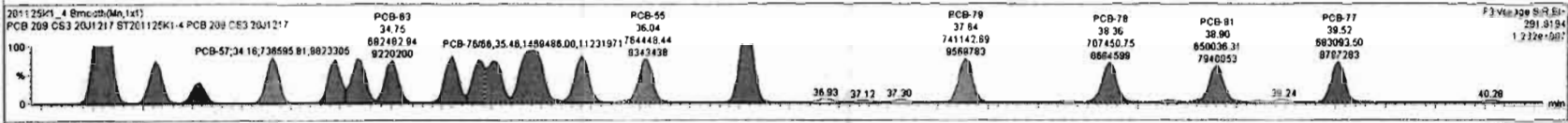
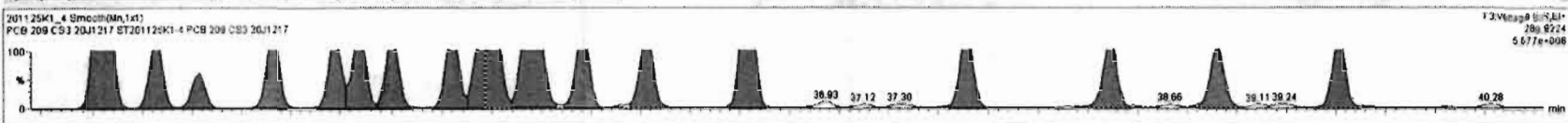


201125K1\_4



#	Name	Resp	RA	n/y	RRT	Wt/Std	Pred.RT	RT	Pred.RT	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
223	223 1,3C-PCB-178	9.52e5	0.46	NO	1.0180	1.000	45.71	45.71	0.8223	0.8223	NO	101.4	101	0.0524	
224	224 Total Mono-PCBs				1.0034	1.000	0.00	0.00	0.0000	0.0000	NO	189.9		0.0193	189.8
225	225 Total Di-PCBs				1.0367	1.000	0.00	0.00	0.0000	0.0000	NO	877.9		0.185	877.9
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00	0.00	0.0000	0.0000	NO	448.1		0.0740	448.1
227	227 3rd Function Tri-PCBs				0.9887	1.000	0.00	0.00	0.0000	0.0000	NO	925.5		0.370	925.5
228	228 Total Tetra-PCBs				0.8810	1.000	0.00	0.00	0.0000	0.0000	NO	2367		0.752	2367
229	229 3rd Function Penta-PCBs				1.1133	1.000	0.00	0.00	0.0000	0.0000	NO	2294		0.371	2294
230	230 4th Function Penta-PCBs				1.0512	1.000	0.00	0.00	0.0000	0.0000	NO	284.1		0.0876	284.1

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.48	27.48	5.37e5	8.828e5	0.770	0.78	NO	57.576	57.576
2	33 PCB-50	28.68	28.68	4.323e5	5.438e5	0.770	0.80	NO	55.888	55.888
3	34 PCB-53	28.37	28.34	4.025e5	5.137e5	0.770	0.78	NO	55.828	55.828
4	35 PCB-51	29.70	29.69	4.239e5	5.451e5	0.770	0.78	NO	55.285	55.285
5	36 PCB-45	30.15	30.14	3.352e5	4.343e5	0.770	0.77	NO	54.682	54.682
6	37 PCB-46	30.65	30.64	3.288e5	4.279e5	0.770	0.78	NO	55.886	55.886
7	38 PCB-52/69	31.14	31.14	9.179e5	1.177e6	0.770	0.78	NO	110.37	110.37
8	39 PCB-73	31.25	31.25	5.827e5	7.278e5	0.770	0.80	NO	57.184	57.184





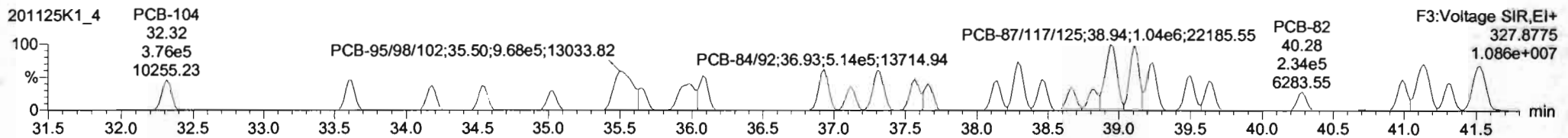
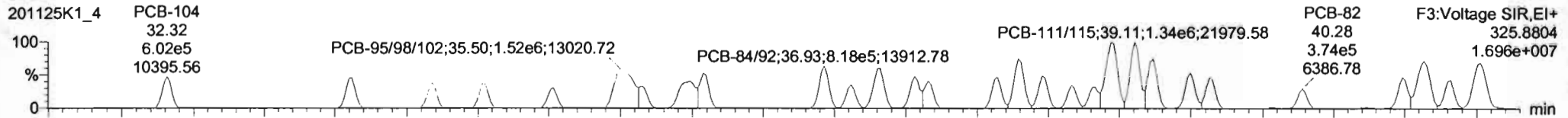
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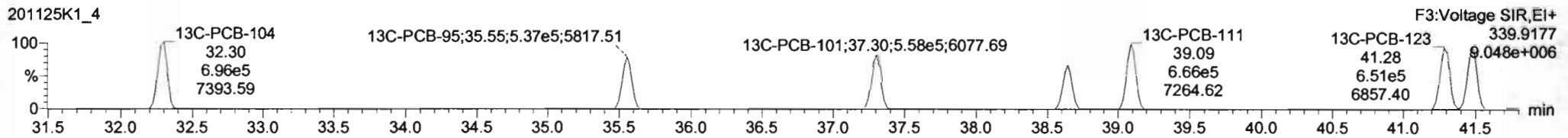
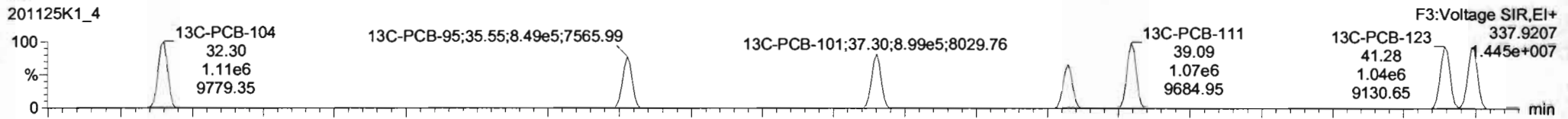
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_4, Date: 25-Nov-2020, Time: 12:48:48, ID: ST201125K1-4 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

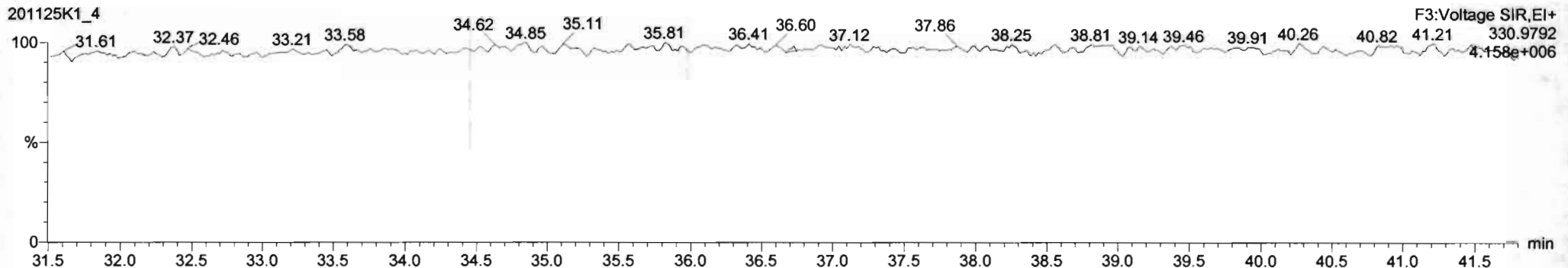
**PCB-104**



**13C-PCB-104**



**PFK3b**



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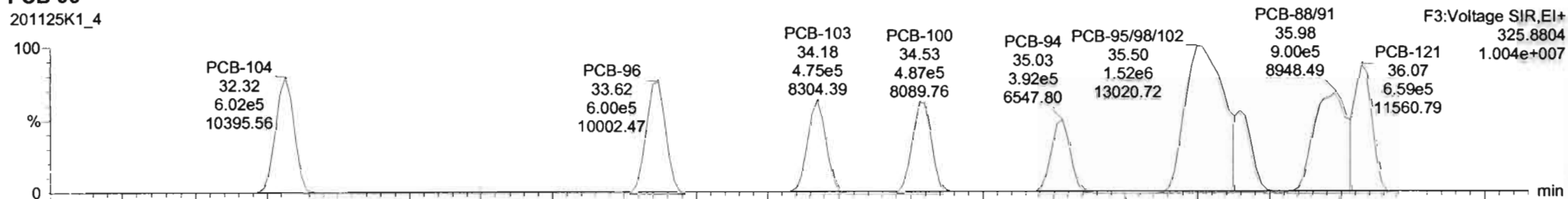
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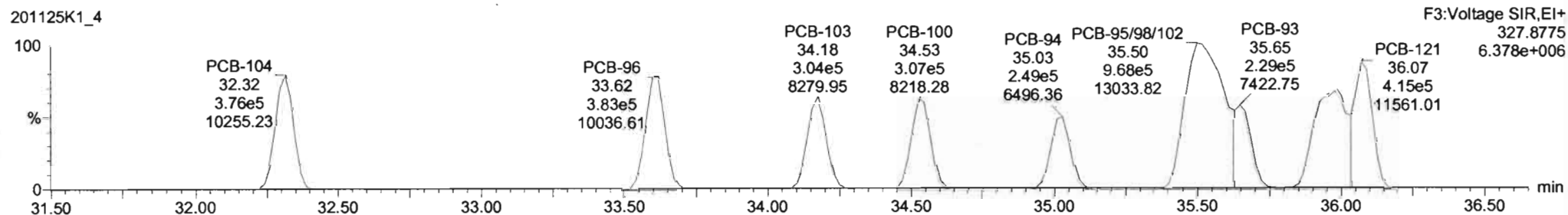
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**PCB-96**

201125K1\_4

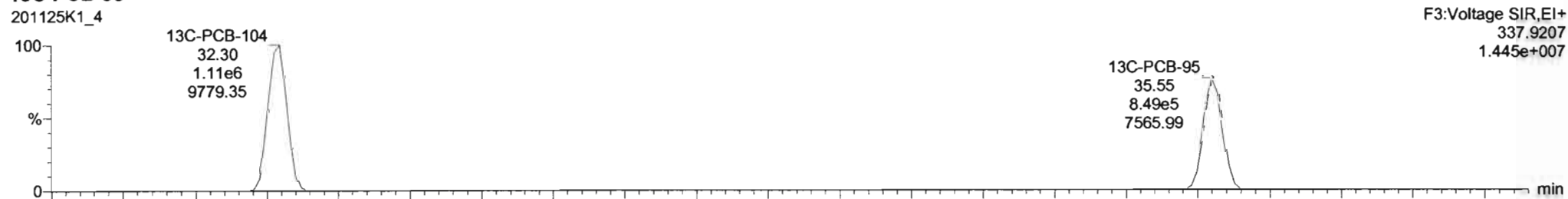


201125K1\_4

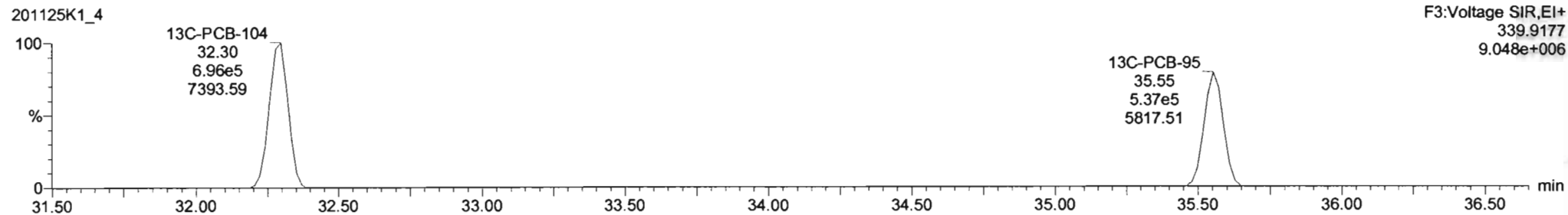


**13C-PCB-95**

201125K1\_4



201125K1\_4

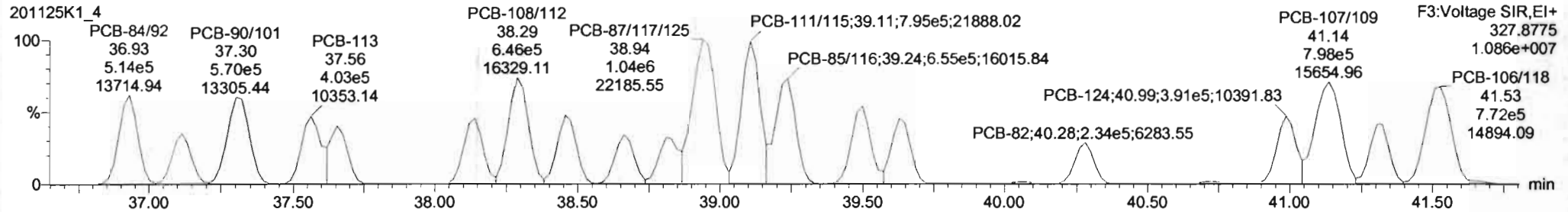
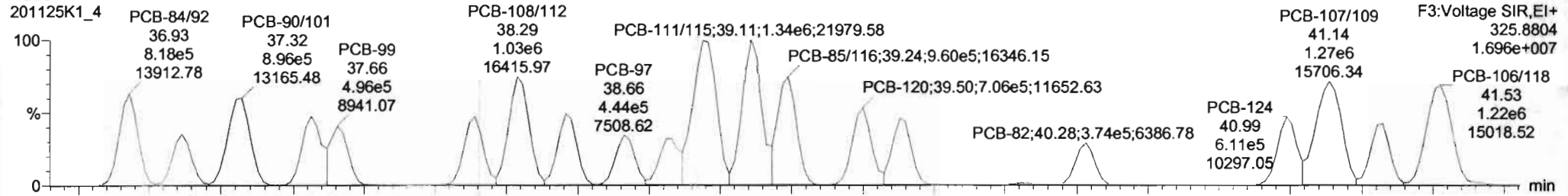


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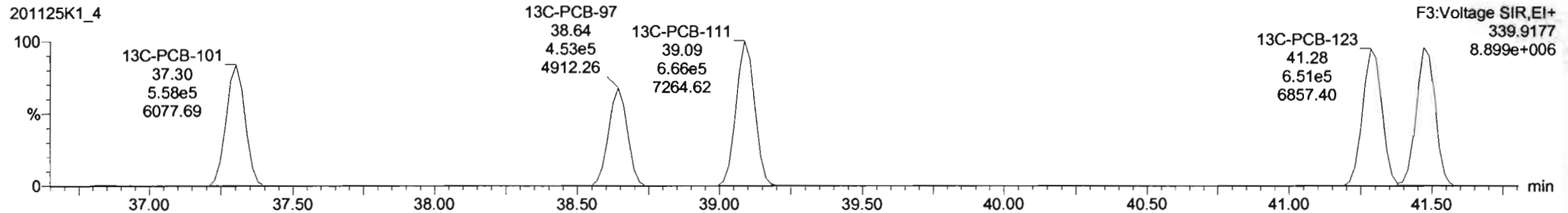
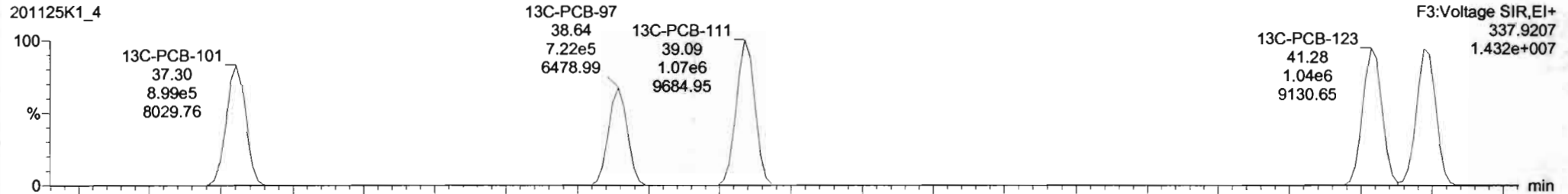
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_4, Date: 25-Nov-2020, Time: 12:48:48, ID: ST201125K1-4 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

PCB-119

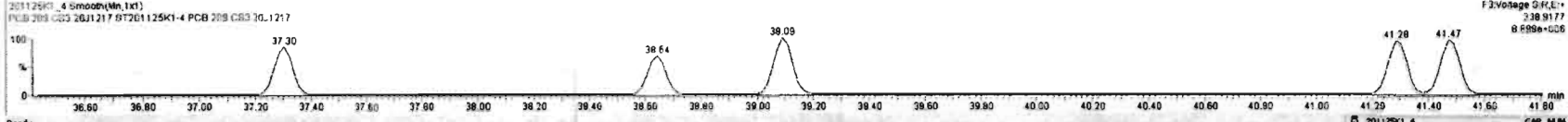
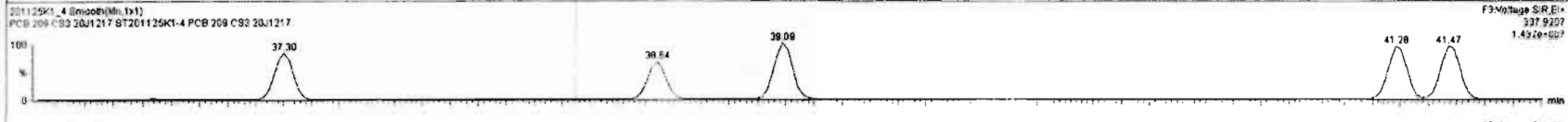
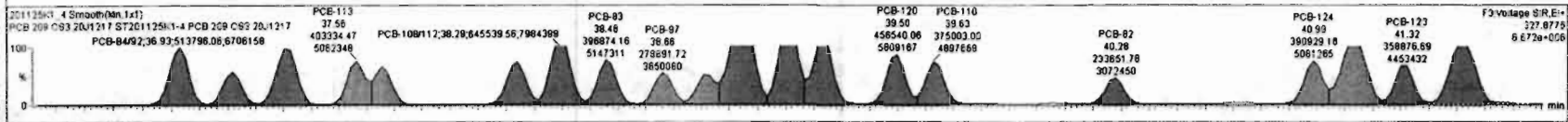
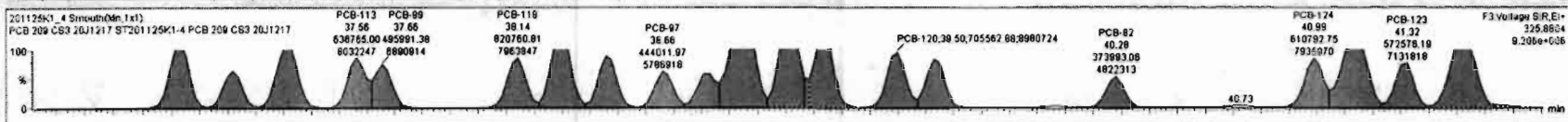


13C-PCB-111



#	Name	Resp	RA	n/y	RF	wt/vol	Pred RT	RT	Pred R.	RR1	RR1 Fat	Conc.	%Rec	DL	EMPC
223	13C-PCB-176	9.62e5	0.48	NO	1.0160	1.000	45.71	45.71	0.923	0.923	NO	101.4	101	0.0524	
224	Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	169.9		0.9193	169.9
225	Total Di-PCBs				1.0367	1.000	0.00		0.000		NO	877.9		0.185	877.9
226	2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	448.1		0.0740	448.1
227	3rd Function Tri-PCBs				0.9987	1.000	0.00		0.000		NO	905.5		0.270	905.5
228	Total Tetra-PCBs				0.9919	1.000	0.00		0.000		NO	2367		0.757	2367
229	3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	2294		0.371	2294
230	4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	204.1		0.0976	204.1

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1st Ratio (Pred)	RA	n/y	EMPC	Conc.
64	PCB-104	32.32	32.31	6.020e5	3.757e5	1.560	1.80	NO	55.240	55.240
65	PCB-96	33.62	33.62	6.005e5	3.834e5	1.560	1.57	NO	55.547	55.547
66	PCB-103	34.17	34.18	4.749e5	3.035e5	1.560	1.58	NO	56.089	56.089
67	PCB-100	34.54	34.53	4.867e5	3.055e5	1.560	1.58	NO	54.878	54.878
68	PCB-94	35.03	35.03	3.919e5	2.485e5	1.560	1.58	NO	55.625	55.625
69	PCB-95/90/102	35.50	35.50	1.518e6	9.600e5	1.560	1.57	NO	167.53	167.53
70	PCB-83	35.65	35.65	3.588e5	2.287e5	1.560	1.56	NO	55.478	55.478
71	PCB-99/91	35.90	35.90	8.999e5	5.741e5	1.560	1.57	NO	116.83	116.83

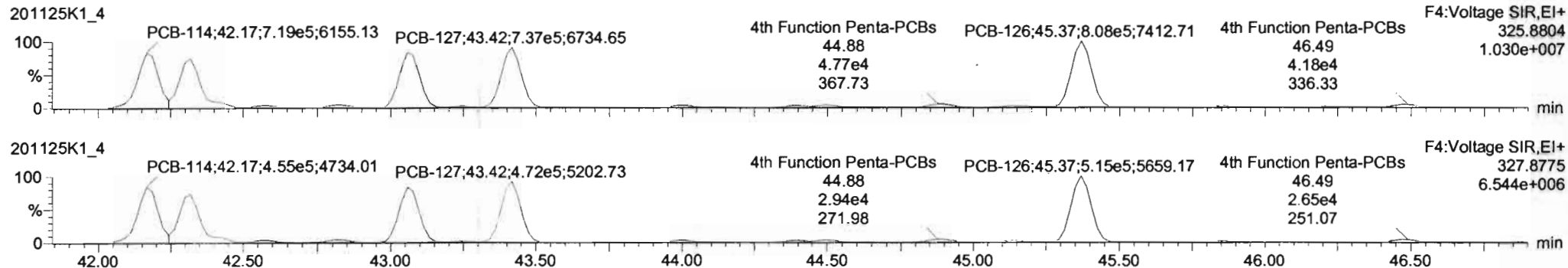


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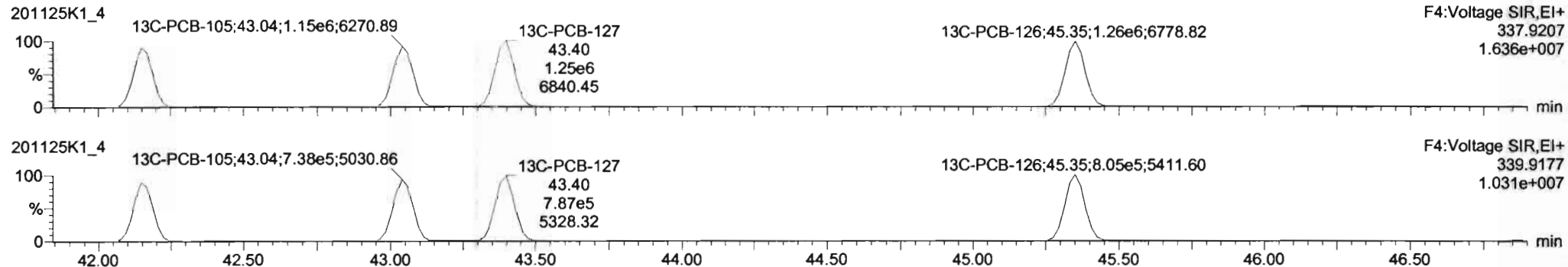
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_4, Date: 25-Nov-2020, Time: 12:48:48, ID: ST201125K1-4 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

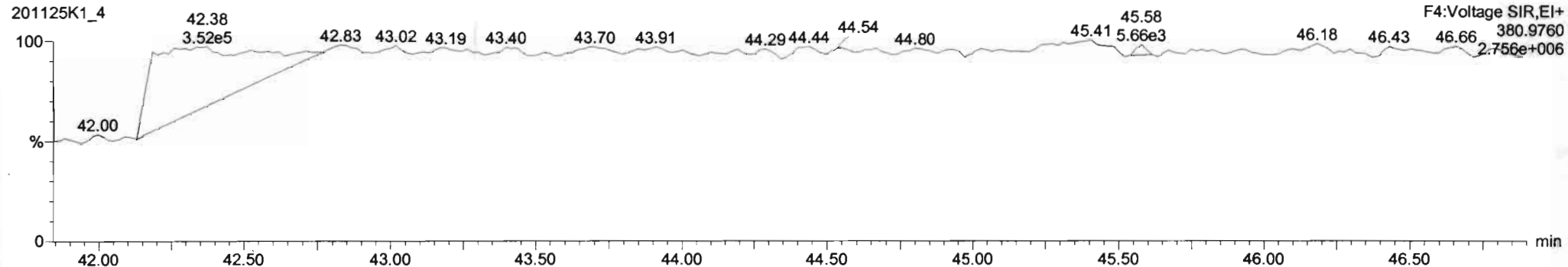
**PCB-114**



**13C-PCB-114**

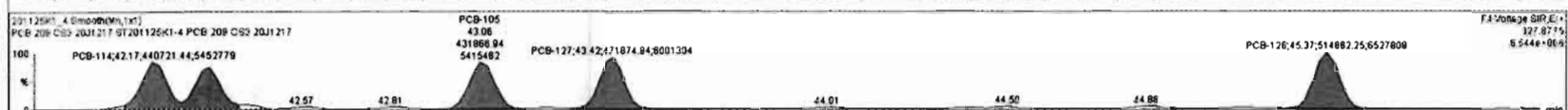
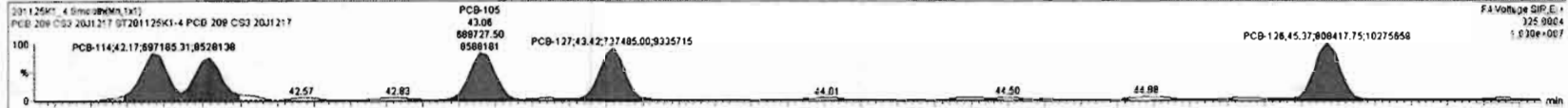


**PFK4a**



#	Name	Resp	RA	nly	RF	wVol	Pred.RT	RT	Pred.R	RTT	RTT Fat	Conc.	%Rec	DL	EMPC
223	13C-PCB-178	8.82e5	0.46	NO	1.0180	1.000	45.71	45.71	0.923	0.923	NO	101.4	101	0.0024	
224	Total Mono-PCBs				1.0334	1.000	0.00	0.000			NO	159.8		0.0180	169.8
225	Total Di-PCBs				1.0267	1.000	0.00	0.000			NO	877.9		0.185	877.9
226	2nd Function Tri-PCBs				0.8434	1.000	0.00	0.000			NO	448.1		0.0740	448.1
227	3rd Function Tri-PCBs				0.9887	1.000	0.00	0.000			NO	805.5		0.270	905.5
228	Total Tetra-PCBs				0.9910	1.000	0.00	0.000			NO	2267		0.757	2267
229	3rd Function Penta-PCBs				1.1133	1.000	0.00	0.000			NO	2294		0.371	2294
230	4th Function Penta-PCBs				1.0512	1.000	0.00	0.000			NO	284.1		0.0678	284.1

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1st Ratio (Pred)	RA	nly	EMPC	Conc.
1	83 PCB-114	42.17	42.17	8.872e5	4.407e5	1.560	1.58	NO	56.544	56.544
2	94 PCB-122	42.32	42.32	6.167e5	3.841e5	1.560	1.81	NO	57.952	57.952
3	95 PCB-105	43.06	43.06	8.887e5	4.319e5	1.550	1.80	NO	57.574	57.574
4	96 PCB-127	43.42	43.42	7.375e5	4.719e5	1.580	1.58	NO	56.241	56.241
5	97 PCB-126	45.37	45.37	8.084e5	5.149e5	1.580	1.57	NO	55.778	55.778



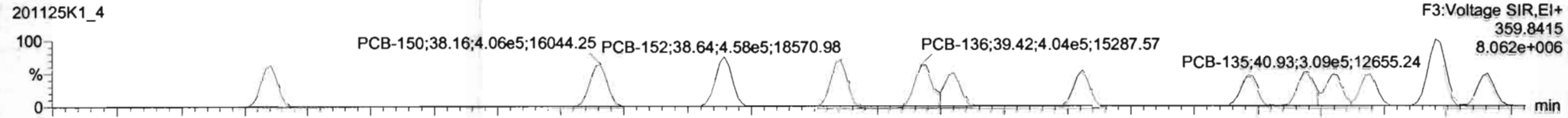
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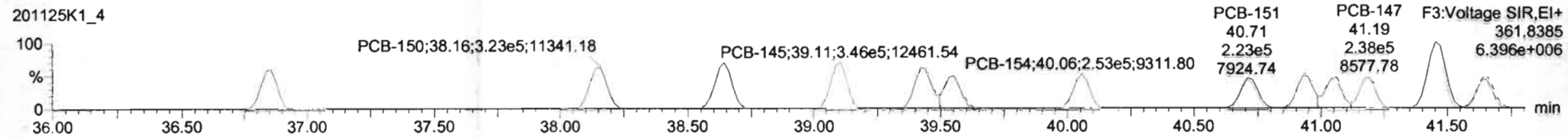
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**PCB-155**

201125K1\_4

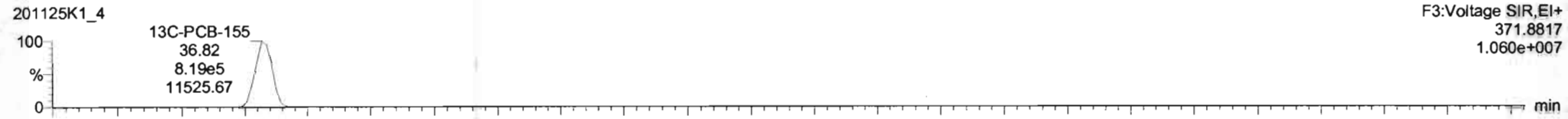


201125K1\_4

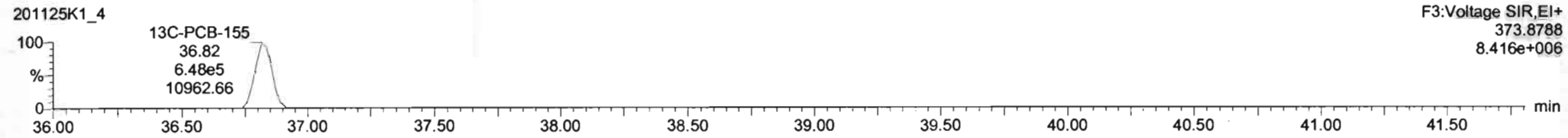


**13C-PCB-155**

201125K1\_4

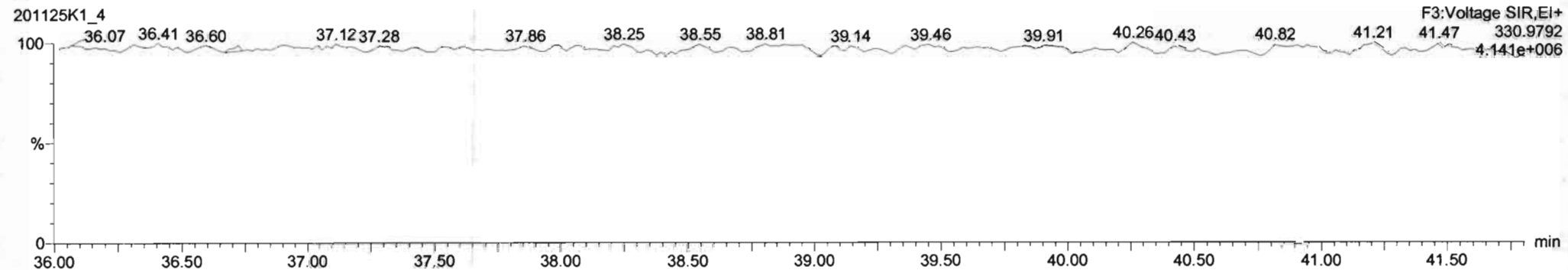


201125K1\_4



**PFK3c**

201125K1\_4





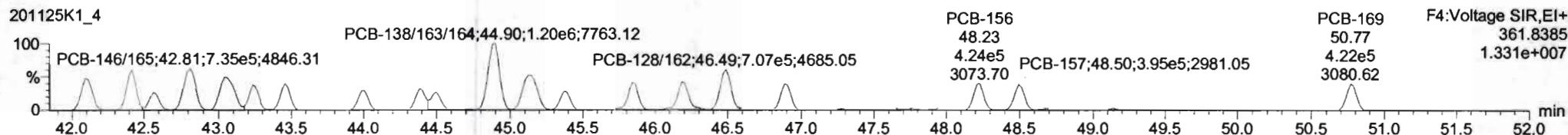
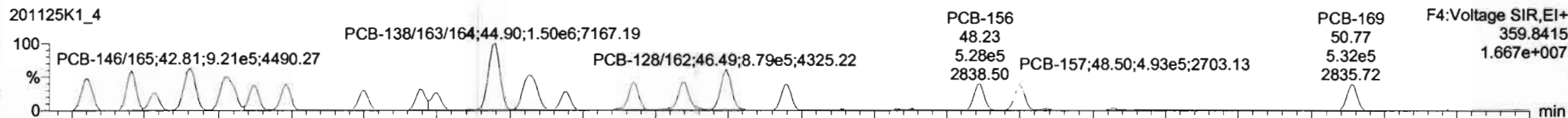
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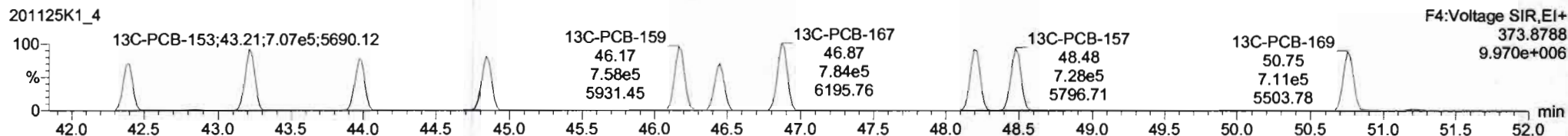
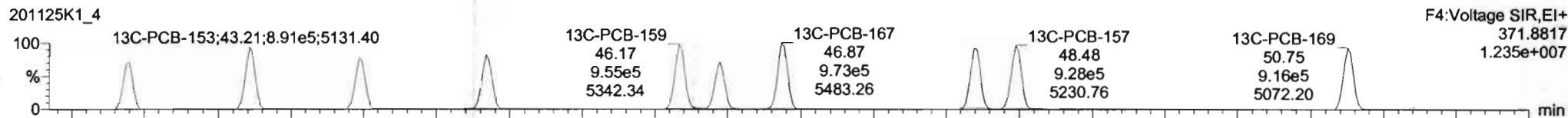
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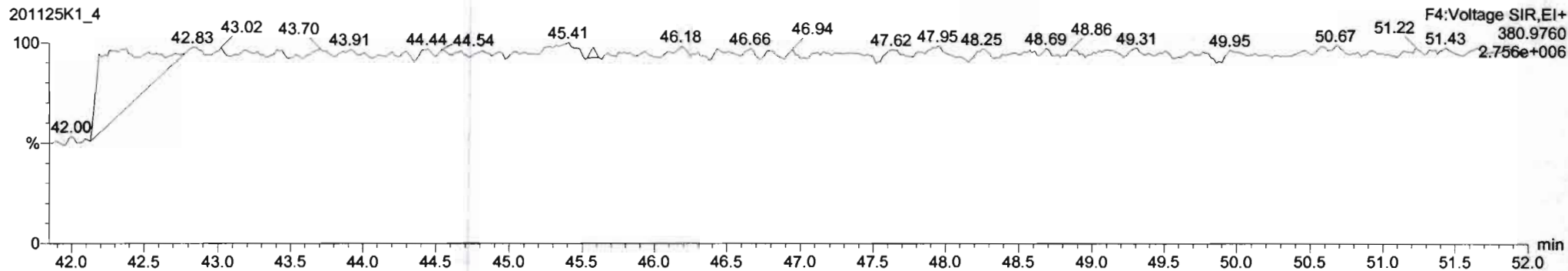
**PCB-134/143**



**13C-PCB-153**



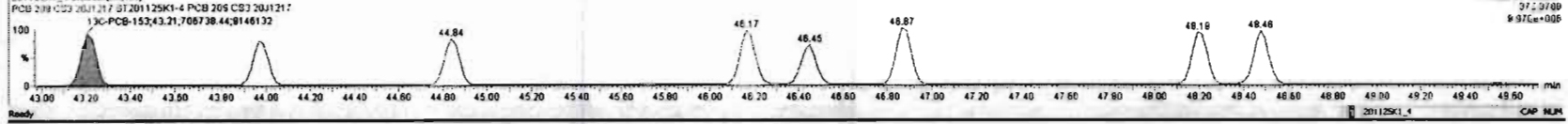
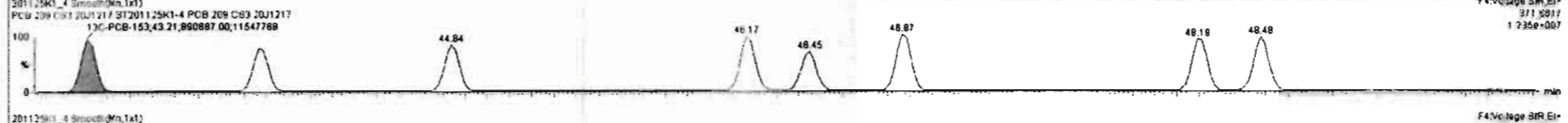
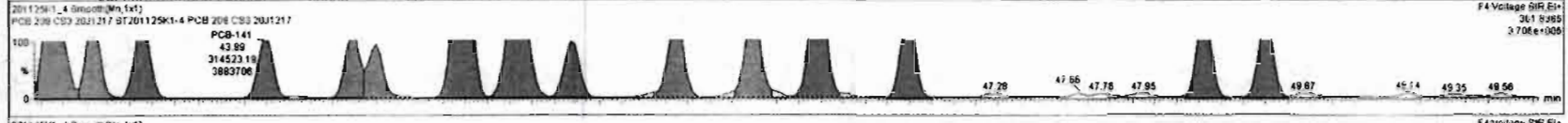
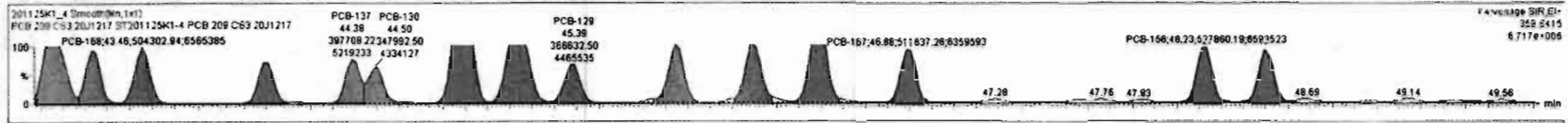
**PFK4b**





#	Name	Reap	RA	nV	RF	WtVol	Prac RT	RT	Prac R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
232	4th Function Hexa-PCBs					0.8955	1.000	0.00	0.000		NO	1508	0.878	1556	
233	Total Hexa-PCBs					1.2043	1.000	0.00	0.000		NO	1359	0.852	1360	
234	4th Function Octa-PCBs					0.8626	1.000	0.00	0.000		NO	501.0	0.122	501.0	
235	5th Function Octa-PCBs					1.0957	1.000	0.00	0.000		NO	189.2	0.0728	189.2	
236	Total Hexa-PCBs					0.8871	1.000	0.00	0.000		NO	189.3	0.102	189.3	
237	Deca-CB					0.8827	1.000	0.00	0.000		NO	54.74	0.00337	54.74	
238	Total PCBs														
239	Total Mono-isotopes														

#	Name	Prac RT	RT	wt Reap	wt Reap	1* Ratio (Prac)	RA	nV	EMPC	Conc.
1	PCB-134/143	42.11	42.11	7.173e5	5.739e5	1.240	1.25	NO	112.60	112.80
2	PCB-131/133	42.42	42.41	7.525e5	6.046e5	1.240	1.25	NO	110.67	110.67
3	PCB-142	42.58	42.57	3.440e5	2.755e5	1.240	1.25	NO	58.447	58.447
4	PCB-146/165	42.81	42.81	9.213e5	7.302e5	1.240	1.25	NO	109.82	109.82
5	PCB-132/161	43.00	43.04	9.425e5	7.475e5	1.240	1.28	NO	110.53	110.53
6	PCB-153	43.25	43.23	4.886e5	3.909e5	1.240	1.25	NO	55.602	55.602
7	PCB-168	43.46	43.46	5.043e5	4.031e5	1.240	1.25	NO	54.895	54.895
8	PCB-141	43.99	44.01	3.940e5	3.145e5	1.240	1.25	NO	54.892	54.892



Dataset: Untitled

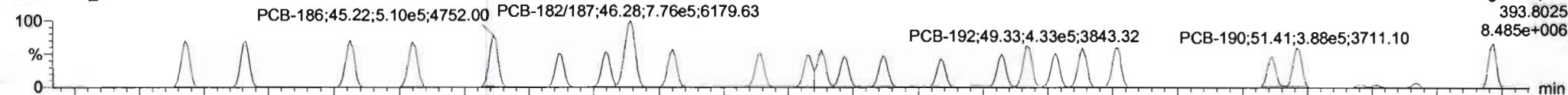
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

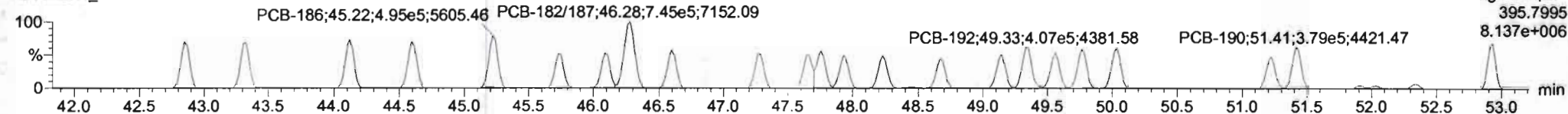
Name: 201125K1\_4, Date: 25-Nov-2020, Time: 12:48:48, ID: ST201125K1-4 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

**PCB-188**

201125K1\_4

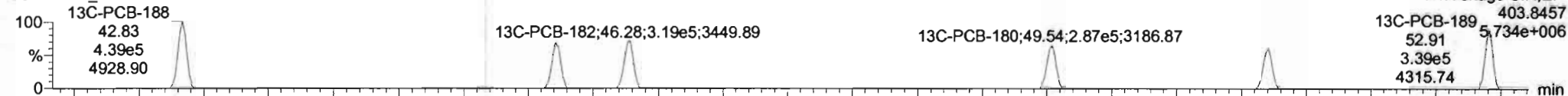


201125K1\_4

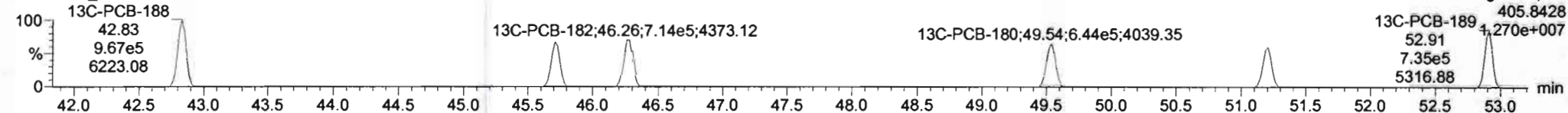


**13C-PCB-188**

201125K1\_4

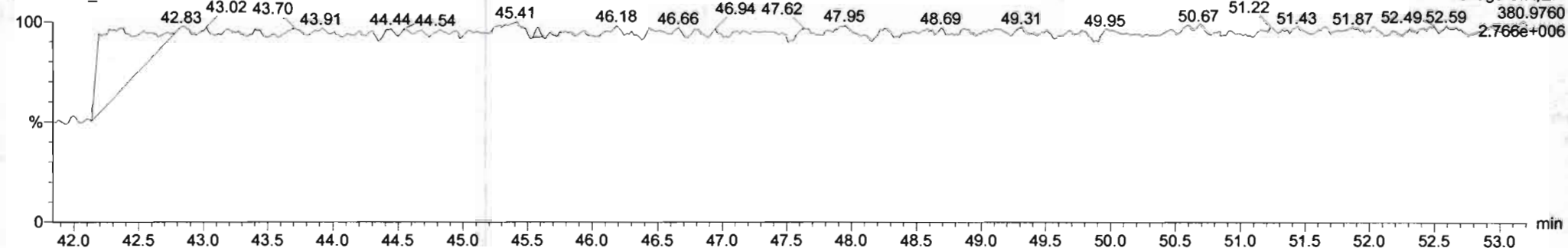


201125K1\_4



**PFK4c**

201125K1\_4



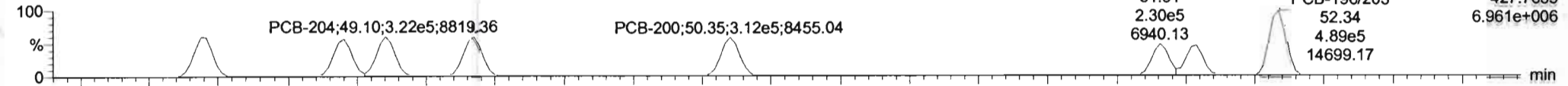
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

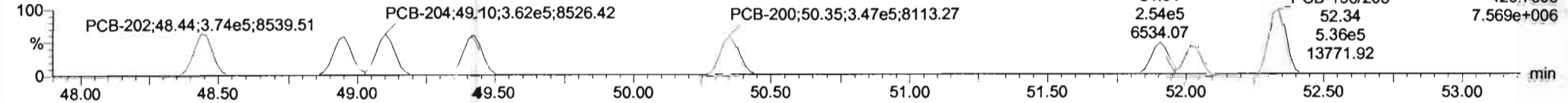
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**PCB-202**

201125K1\_4

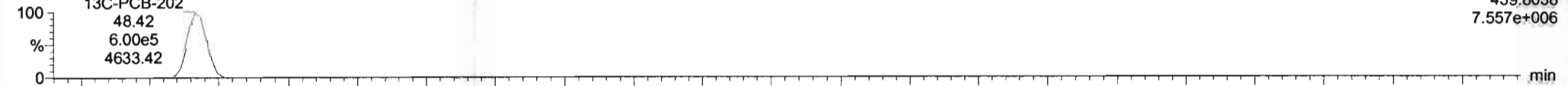


201125K1\_4

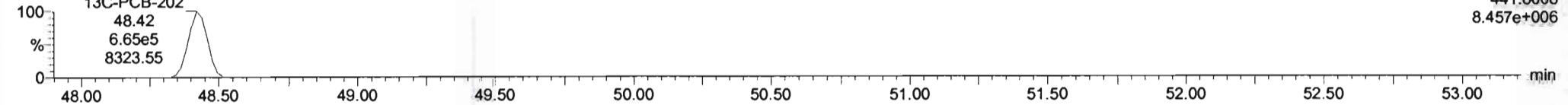


**13C-PCB-202**

201125K1\_4

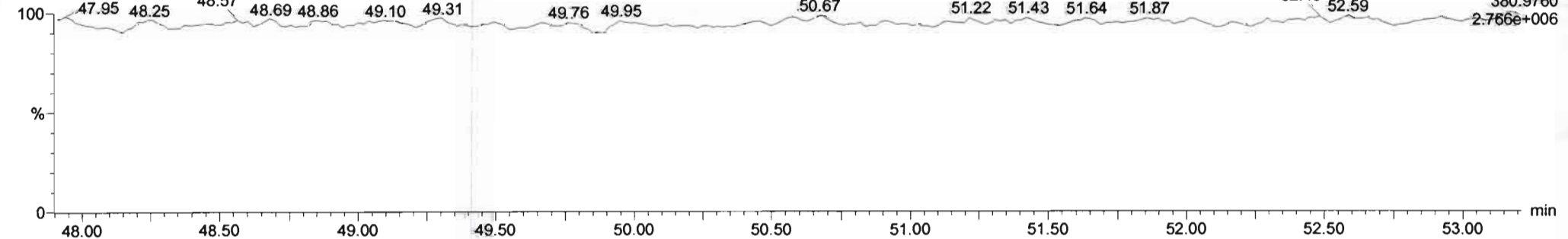


201125K1\_4



**PFK4d**

201125K1\_4



Dataset: Untitled

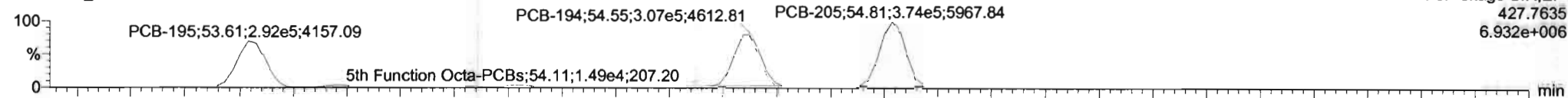
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

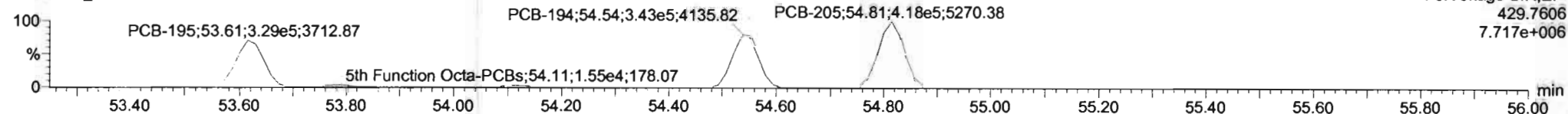
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**PCB-195**

201125K1\_4

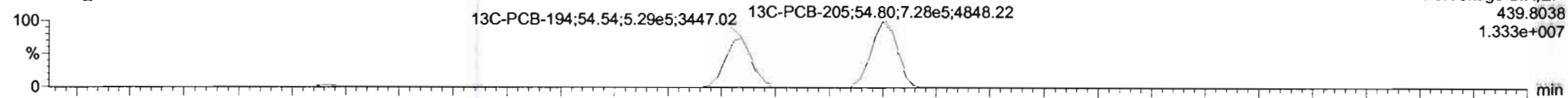


201125K1\_4

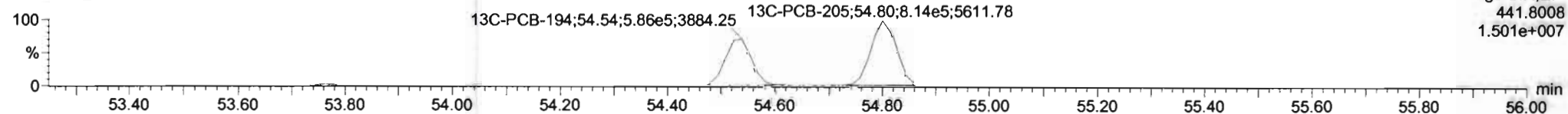


**13C-PCB-194**

201125K1\_4

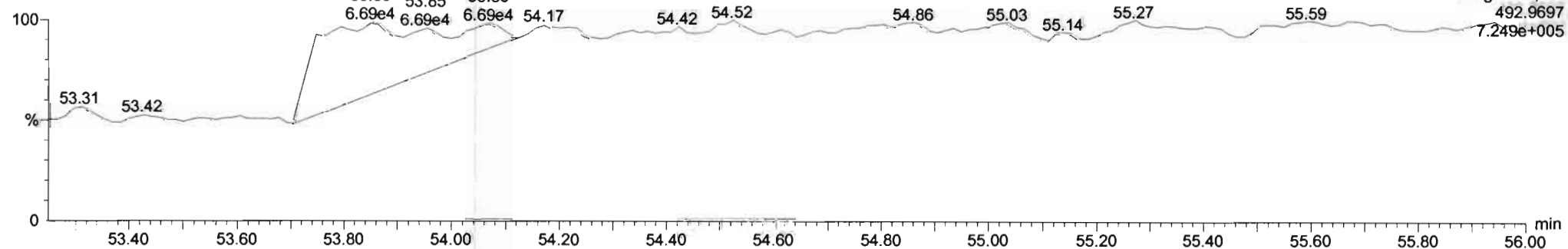


201125K1\_4



**PFK5a**

201125K1\_4



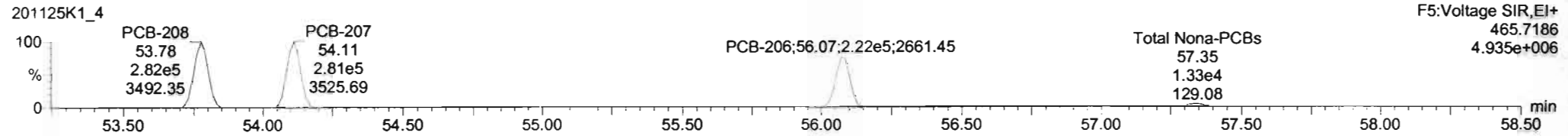
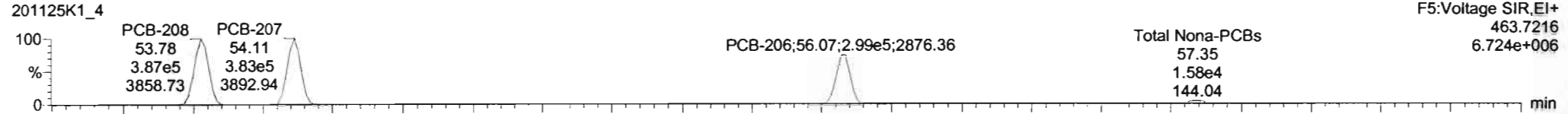


Dataset: Untitled

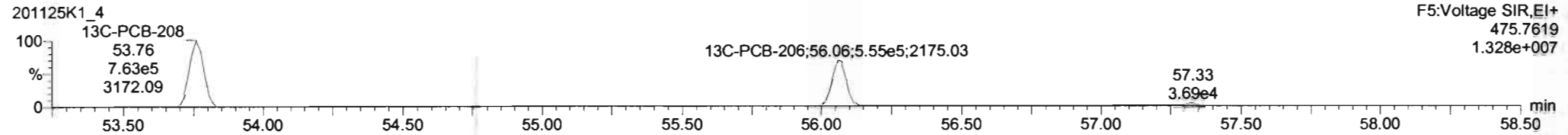
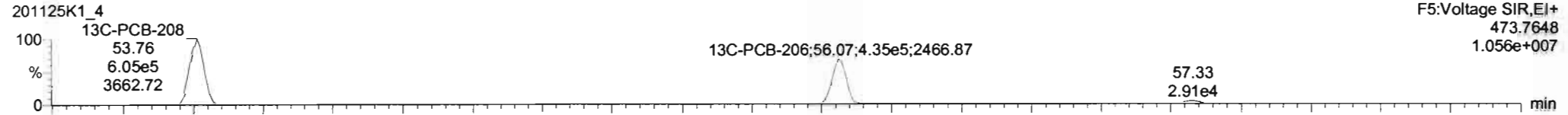
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

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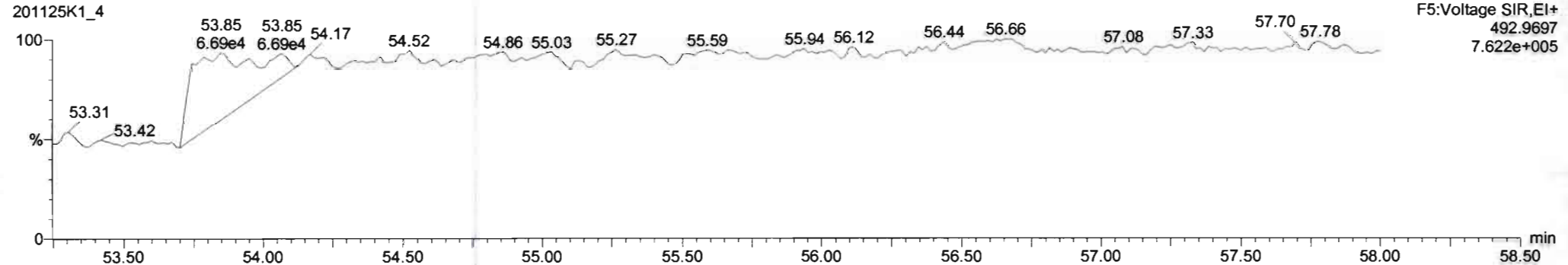
**PCB-208**



**13C-PCB-208**



**PFK5**



Dataset: Untitled

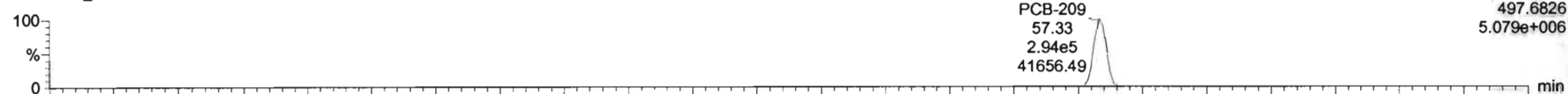
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_4, Date: 25-Nov-2020, Time: 12:48:48, ID: ST201125K1-4 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

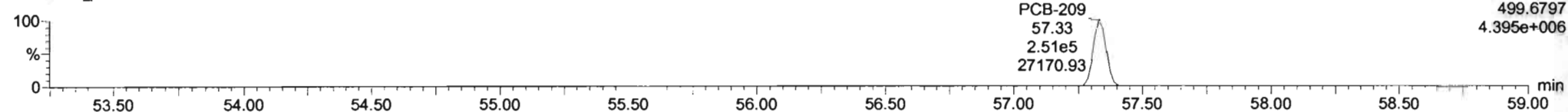
**PCB-209**

201125K1\_4



F5:Voltage SIR,EI+  
497.6826  
5.079e+006

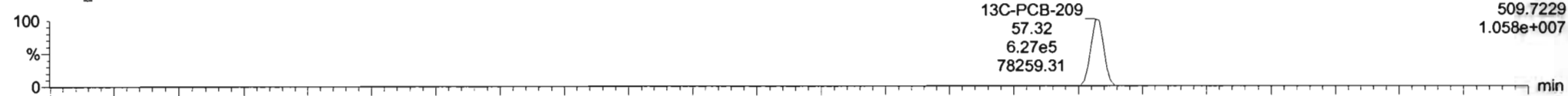
201125K1\_4



F5:Voltage SIR,EI+  
499.6797  
4.395e+006

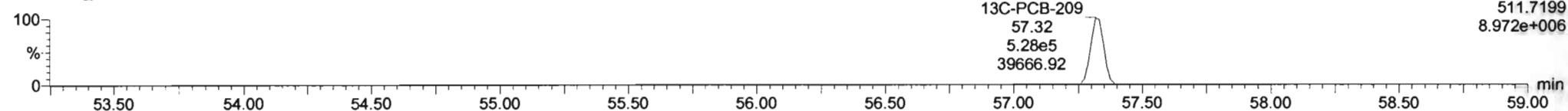
**13C-PCB-209**

201125K1\_4



F5:Voltage SIR,EI+  
509.7229  
1.058e+007

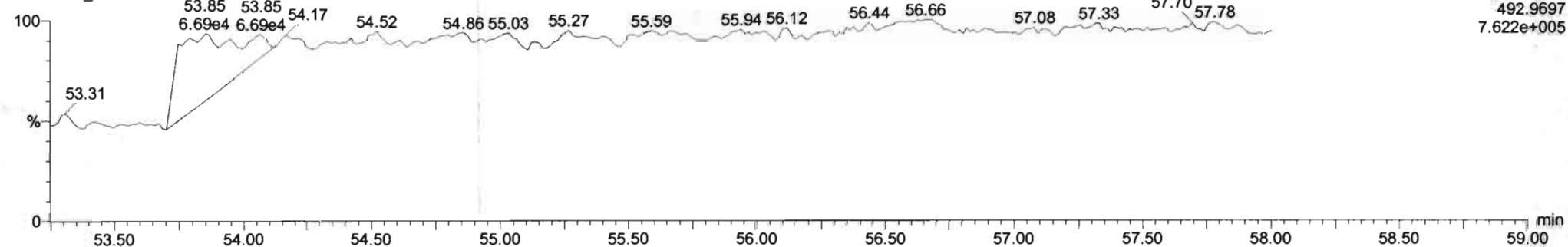
201125K1\_4



F5:Voltage SIR,EI+  
511.7199  
8.972e+006

**PFK5b**

201125K1\_4



F5:Voltage SIR,EI+  
492.9697  
7.622e+005

Dataset: Untitled

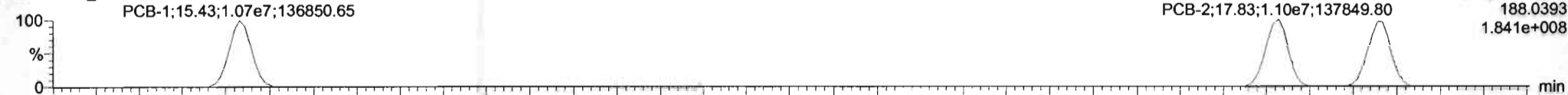
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

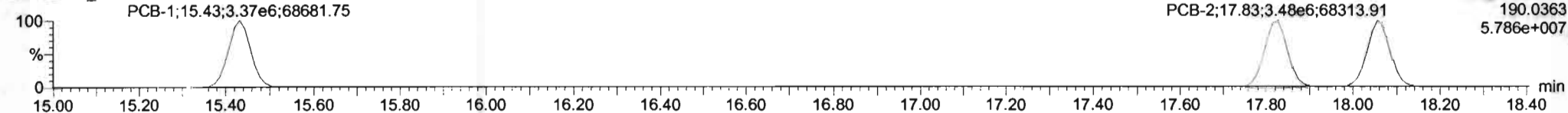
Name: 201125K1\_5, Date: 25-Nov-2020, Time: 13:49:04, ID: ST201125K1-5 PCB 209 CS4 20J1218, Description: PCB 209 CS4 20J1218

**PCB-1**

201125K1\_5

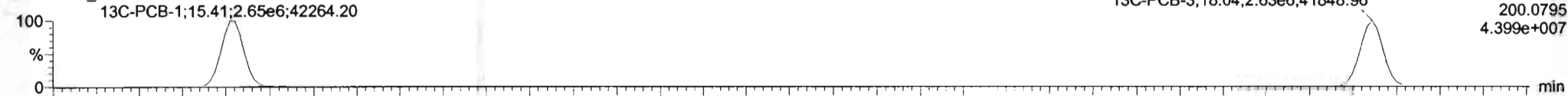


201125K1\_5

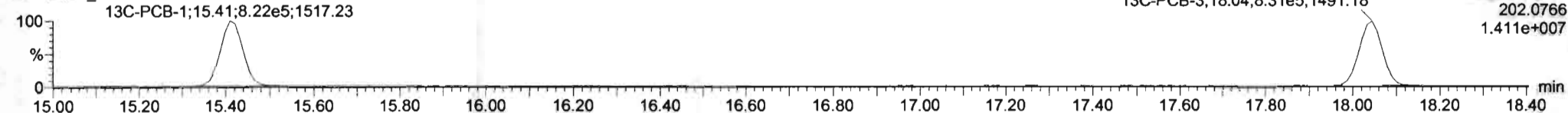


**13C-PCB-1**

201125K1\_5

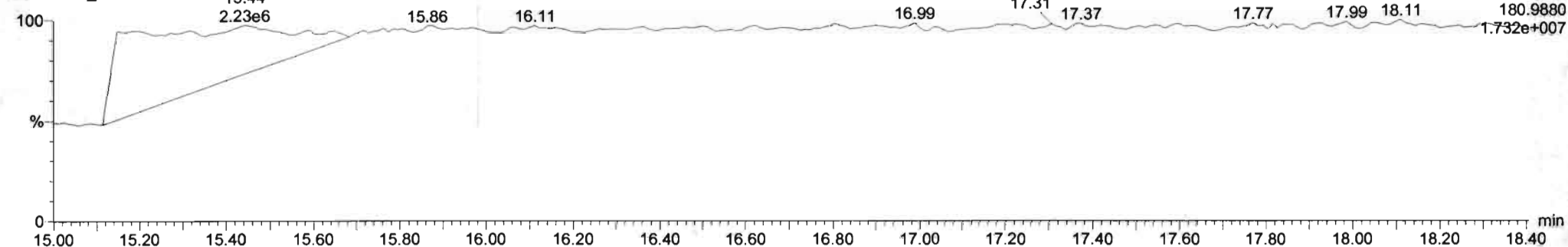


201125K1\_5



**PFK1**

201125K1\_5

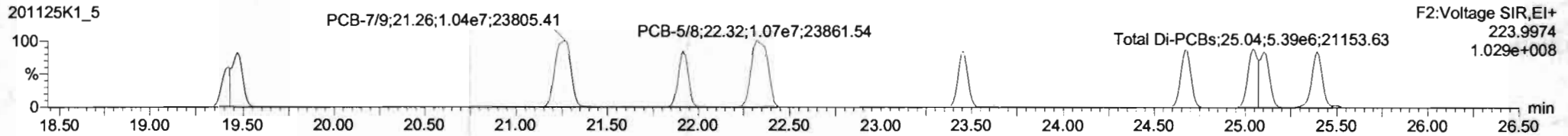
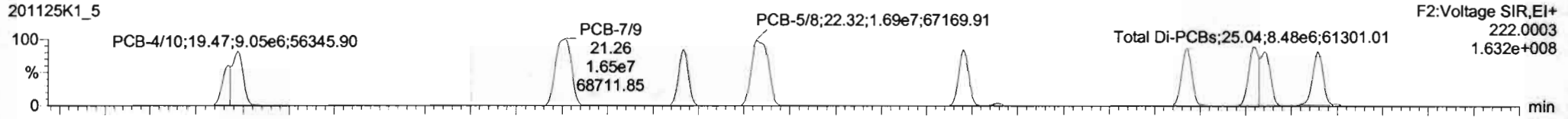


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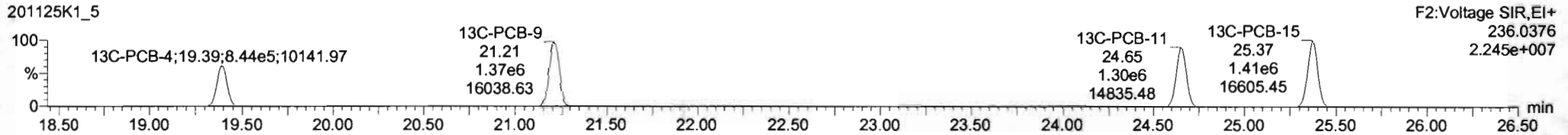
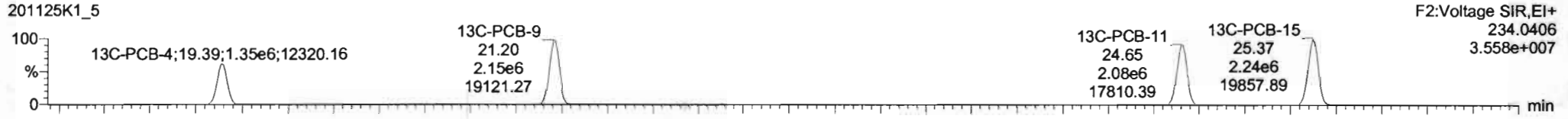
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_5, Date: 25-Nov-2020, Time: 13:49:04, ID: ST201125K1-5 PCB 209 CS4 20J1218, Description: PCB 209 CS4 20J1218

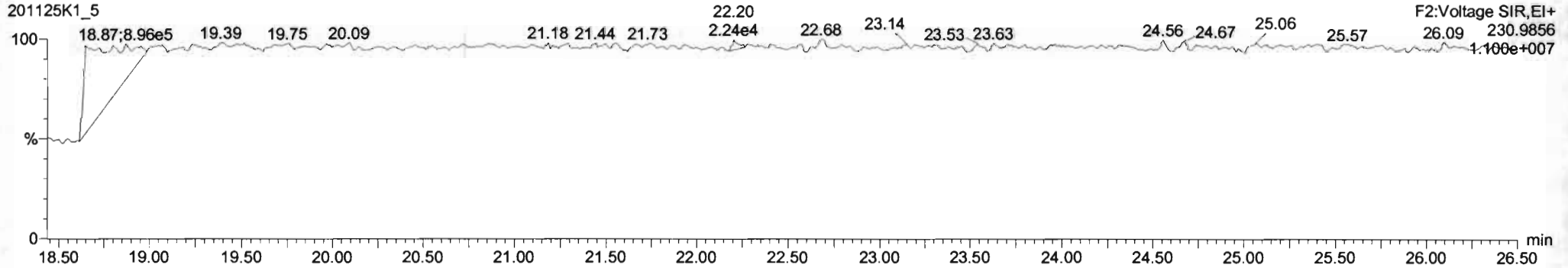
**PCB-4/10**



**13C-PCB-4**



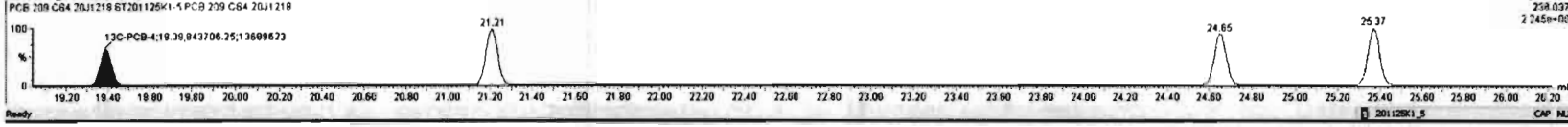
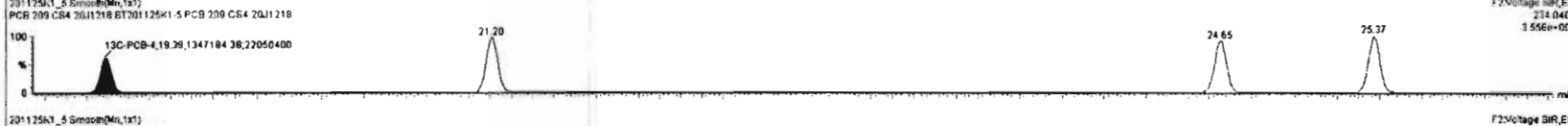
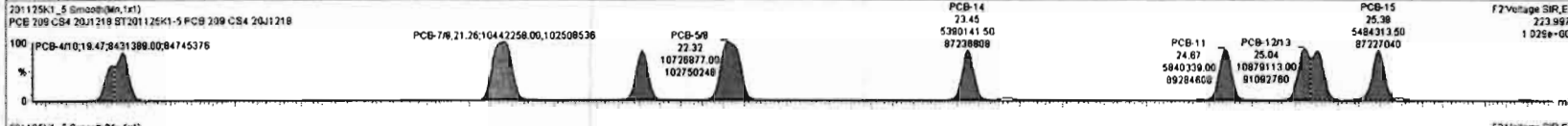
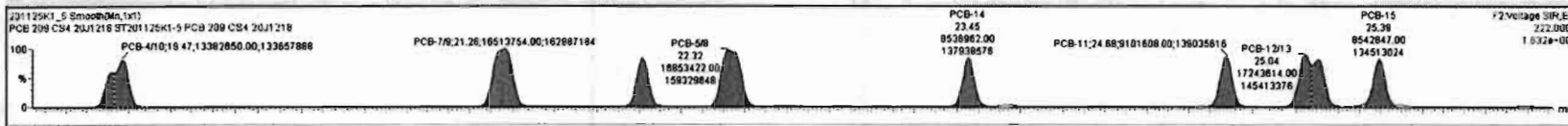
**PFK2a**





#	Name	Resp	RA	n/y	RFV	wtAvd	Pred.RT	RT	Pred.R...	RRT	RRT Fal	Conc	%Rec	DL	BMP
224	Total Mono-PCBs		1.0034	1.000	0.00	0.000	0.000		0.000		NO	1230		0.0227	1230
225	Total Di-PCBs		1.0387	1.000	0.00	0.000	0.000		0.000		NO	4873		0.304	4873
226	2nd Function Tri-PCBs		0.9434	1.000	0.00	0.000	0.000		0.000		NO	3270		0.0046	3270
227	3rd Function Tri-PCBs		0.9887	1.000	0.00	0.000	0.000		0.000		NO	5500		0.369	5500
228	Total Tetra-PCBs		0.9810	1.000	0.00	0.000	0.000		0.000		NO	17360		0.881	17360
229	2nd Function Penta-PCBs		1.1133	1.000	0.00	0.000	0.000		0.000		NO	16620		0.416	16620
230	4th Function Penta-PCBs		1.0512	1.000	0.00	0.000	0.000		0.000		NO	2058		0.222	2058
231	3rd Function Hexa-PCBs		0.7910	1.000	0.00	0.000	0.000		0.000		NO	5917		0.181	5917

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
1	PCB-4/0	19.47	19.47	1.336e7	8.431e6	1.560	1.58	NO	824.62	824.62
5	PCB-7/0	21.26	21.26	1.851e7	1.044e7	1.560	1.58	NO	816.32	816.32
3	PCB-6	21.81	21.82	0.660e6	5.454e6	1.560	1.58	NO	402.76	402.77
4	PCB-5/8	22.31	22.32	1.889e7	1.073e7	1.560	1.57	NO	803.64	803.64
5	PCB-14	23.44	23.45	8.537e6	5.390e6	1.560	1.58	NO	402.87	402.87
8	PCB-11	24.87	24.88	9.102e6	5.840e6	1.560	1.58	NO	396.50	396.50
7	PCB-12/3	25.10	25.04	1.724e7	1.089e7	1.560	1.59	NO	817.40	817.40
11	PCB-15	25.38	25.39	8.543e6	5.484e6	1.560	1.58	NO	408.51	408.51

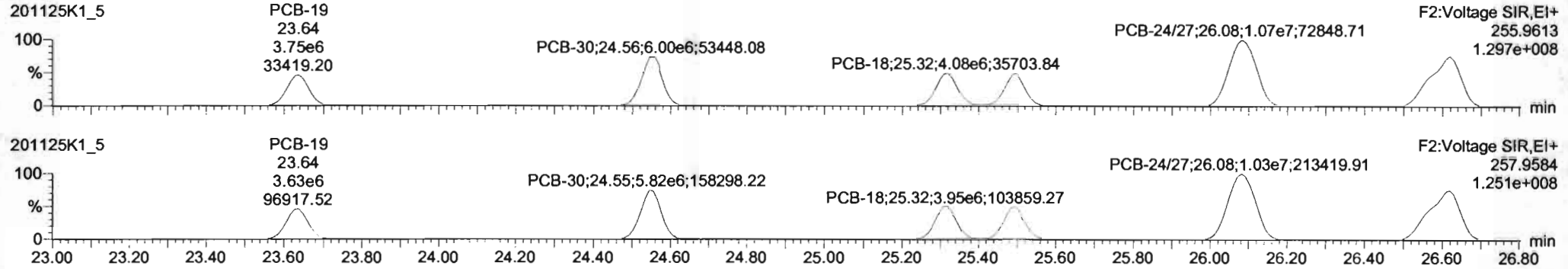


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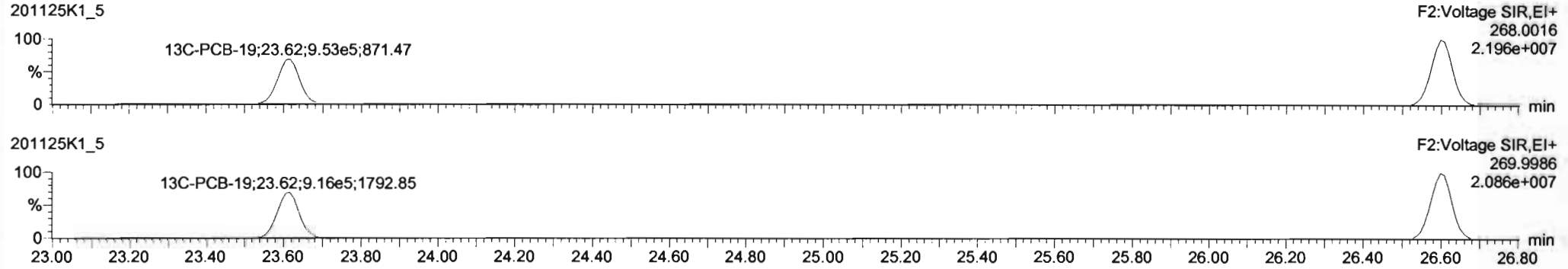
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_5, Date: 25-Nov-2020, Time: 13:49:04, ID: ST201125K1-5 PCB 209 CS4 20J1218, Description: PCB 209 CS4 20J1218

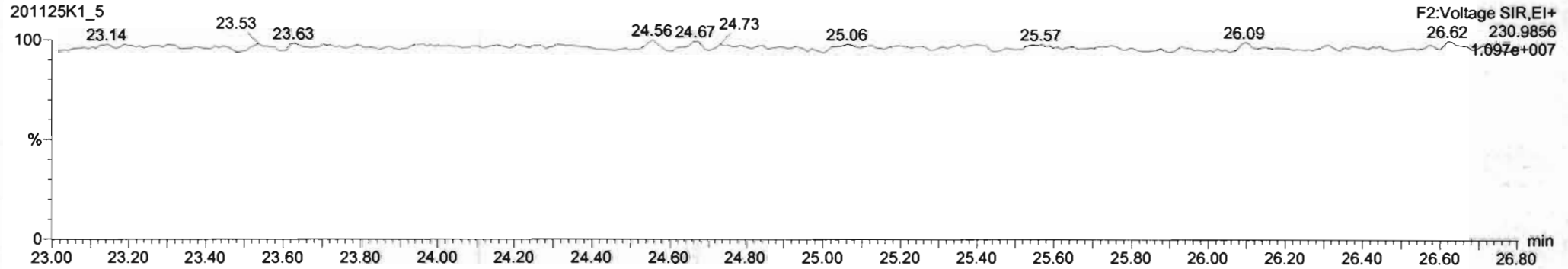
**PCB-19**



**13C-PCB-19**



**PFK2b**

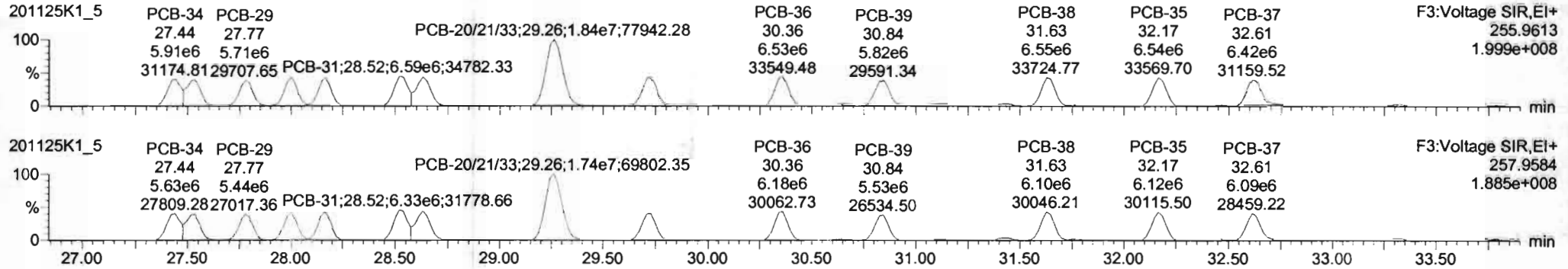


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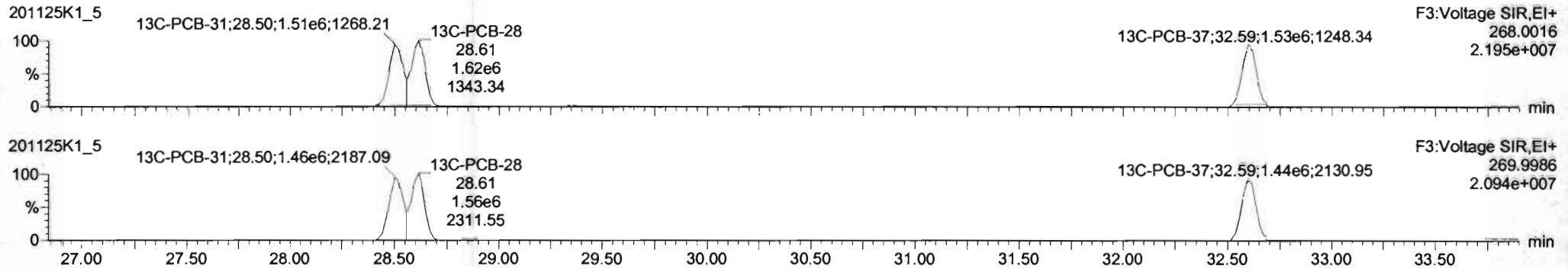
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

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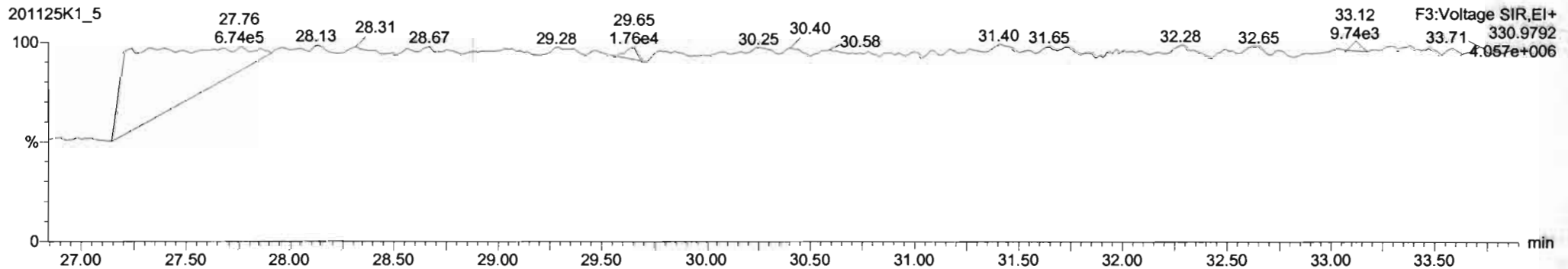
**PCB-34**



**13C-PCB-28**

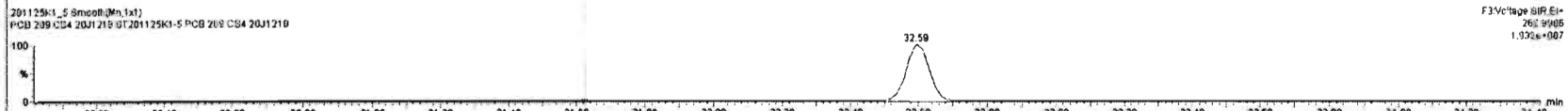
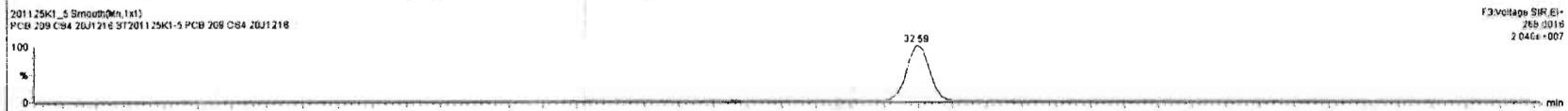
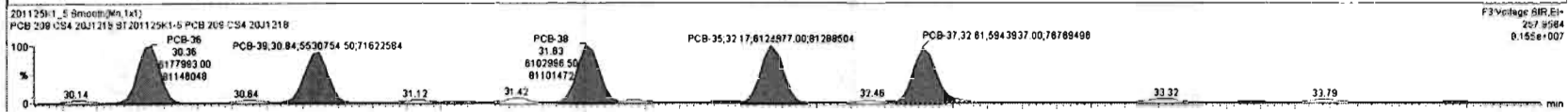
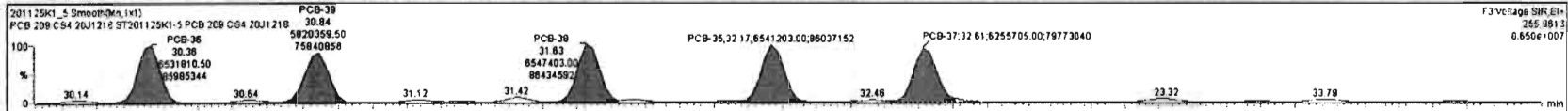


**PFK3d**



#	Name	Resp	RA	nV	RF	wtAve	Pred RT	RT	Pres.R	RRT	RTI	Fail	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs				1.0034	1.000	0.00	0.000	0.000	NO	NO		1230	0.0227	1230	
225	Total Di-PCBs				1.0267	1.000	0.00	0.000	0.000	NO	NO		4873	0.204	4873	
226	3rd Function Tri-PCBs				0.9434	1.000	0.00	0.000	0.000	NO	NO		3270	0.0846	3270	
227	3rd Function Tetra-PCBs				0.8897	1.000	0.00	0.000	0.000	NO	NO		6500	0.269	6500	
228	Total Tetra-PCBs				0.8910	1.000	0.00	0.000	0.000	NO	NO		17300	0.681	17300	
229	3rd Function Penta-PCBs				1.1133	1.000	0.00	0.000	0.000	NO	NO		16820	0.416	16820	
230	4th Function Penta-PCBs				1.0512	1.000	0.00	0.000	0.000	NO	NO		2058	0.222	2058	
231	3rd Function Hexa-PCBs				0.7910	1.000	0.00	0.000	0.000	NO	NO		5817	0.161	5817	

#	Name	Pred RT	RT	wt Resp	m2 Resp	1st Ratio (Pred)	RA	nV	EMPC	Conc.
1	PCB-34	27.44	27.44	5.914e6	5.027e6	1.040	1.05	NO	413.65	413.86
2	PCB-23	27.53	27.53	6.006e6	5.802e6	1.040	1.07	NO	409.40	409.40
3	PCB-29	27.77	27.77	5.707e6	5.441e6	1.040	1.05	NO	407.20	407.20
4	PCB-26	28.00	28.00	6.186e6	5.782e6	1.040	1.07	NO	412.00	412.00
5	PCB-25	28.16	28.17	6.221e6	5.883e6	1.040	1.08	NO	416.30	416.30
6	PCB-31	28.53	28.52	6.586e6	6.335e6	1.040	1.04	NO	394.53	394.53
7	PCB-28	28.63	28.63	6.873e6	6.487e6	1.040	1.08	NO	414.85	414.85
8	PCB-2021/23	29.27	29.26	1.843e7	1.740e7	1.040	1.08	NO	1235.0	1235.0



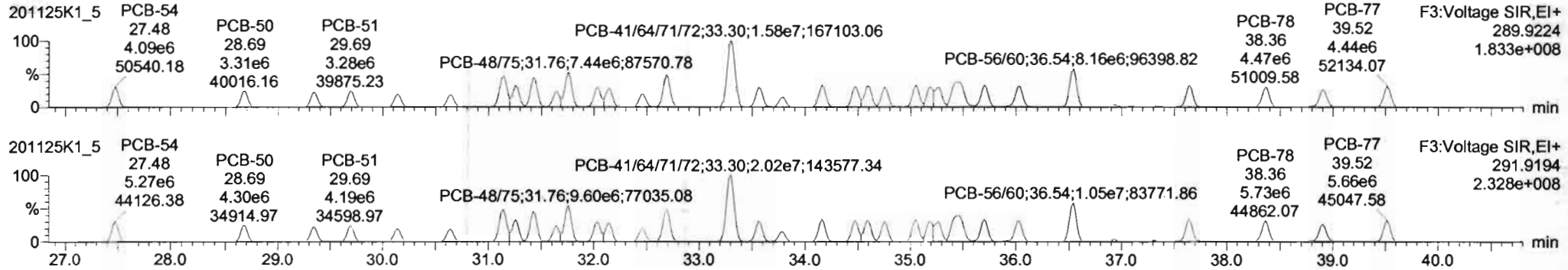
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

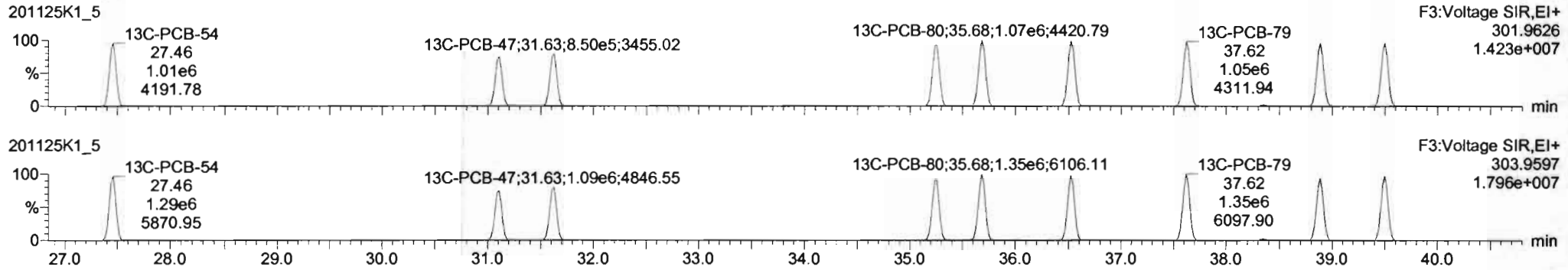
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Name: 201125K1\_5, Date: 25-Nov-2020, Time: 13:49:04, ID: ST201125K1-5 PCB 209 CS4 20J1218, Description: PCB 209 CS4 20J1218

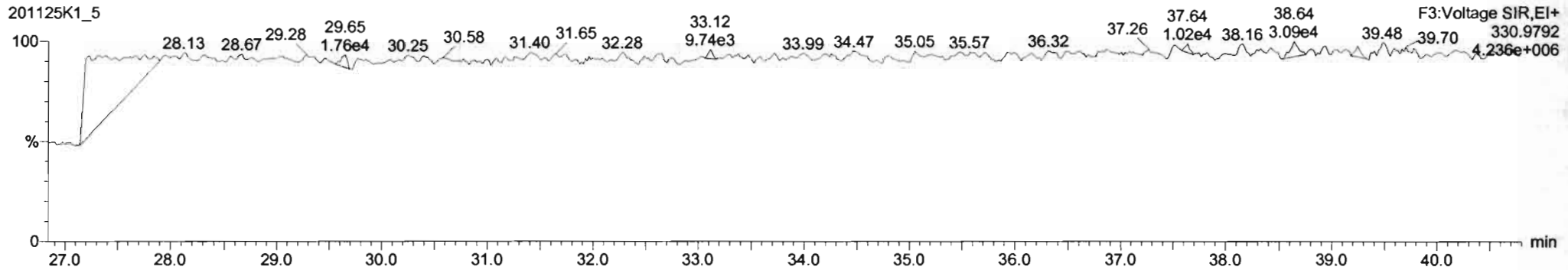
**PCB-54**



**13C-PCB-54**



**PFK3a**



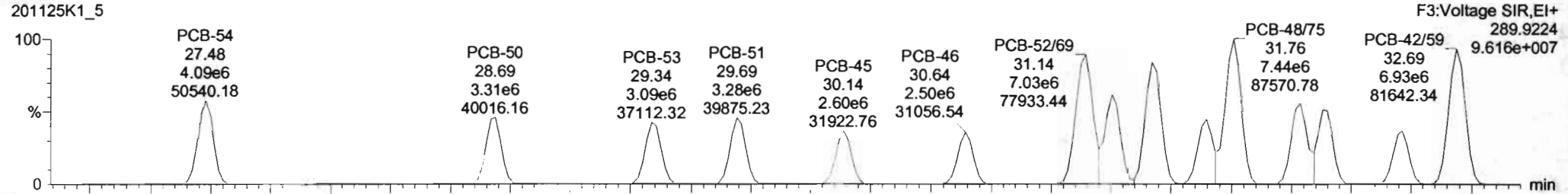
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

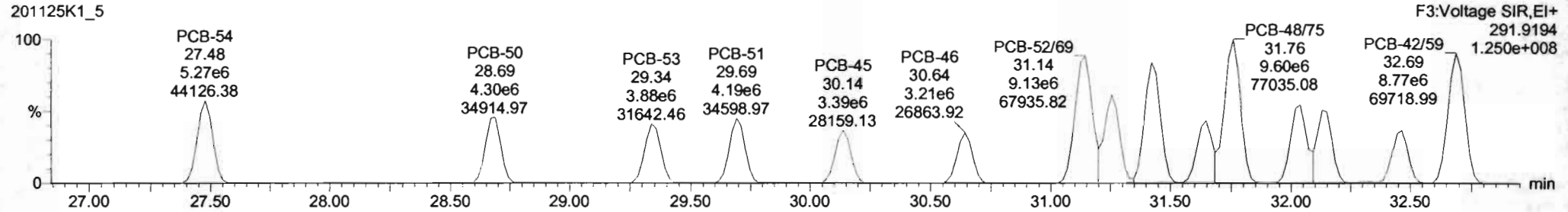
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**PCB-50**

201125K1\_5

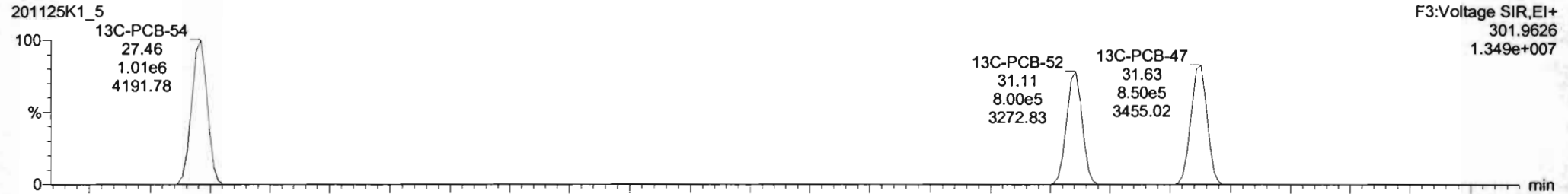


201125K1\_5

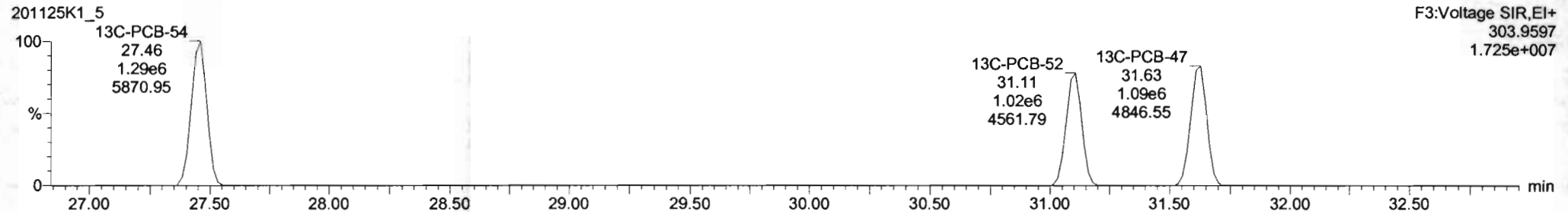


**13C-PCB-52**

201125K1\_5



201125K1\_5



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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

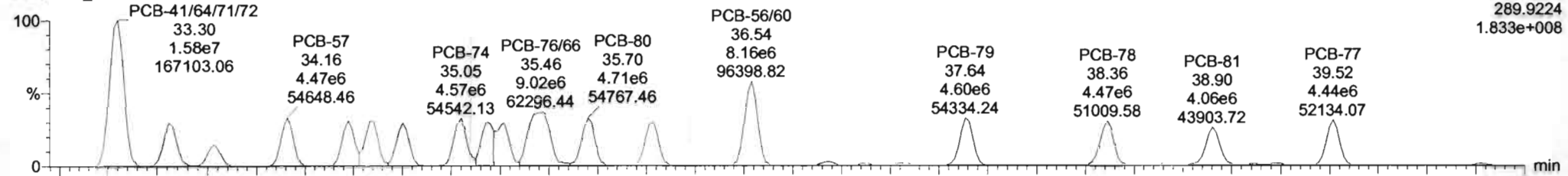
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Name: 201125K1\_5, Date: 25-Nov-2020, Time: 13:49:04, ID: ST201125K1-5 PCB 209 CS4 20J1218, Description: PCB 209 CS4 20J1218

**PCB-68**

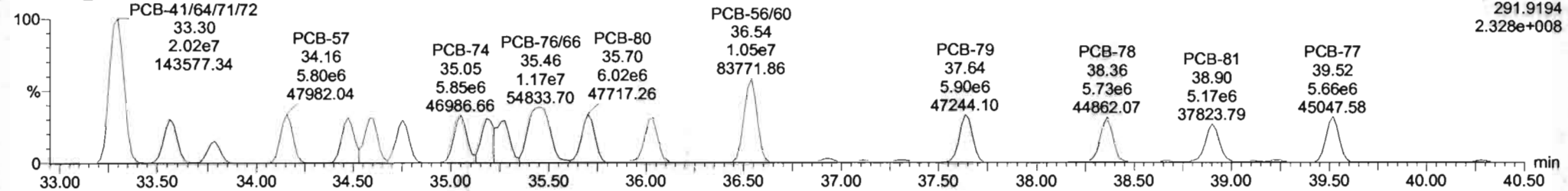
201125K1\_5

F3:Voltage SIR,EI+  
289.9224  
1.833e+008



201125K1\_5

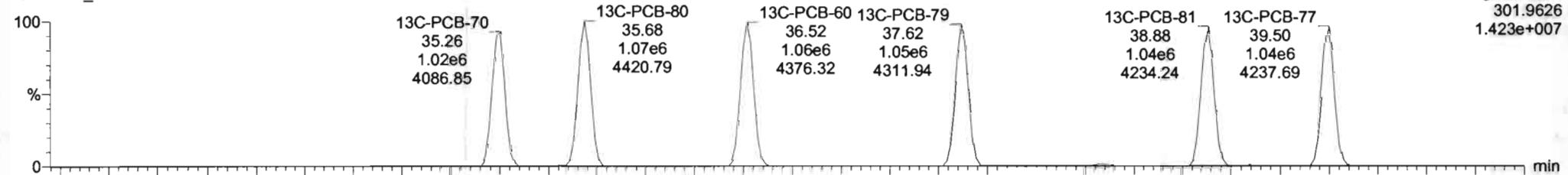
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291.9194  
2.328e+008



**13C-PCB-60**

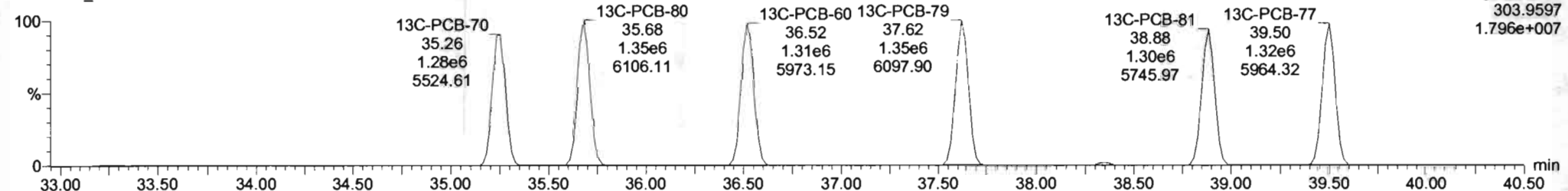
201125K1\_5

F3:Voltage SIR,EI+  
301.9626  
1.423e+007



201125K1\_5

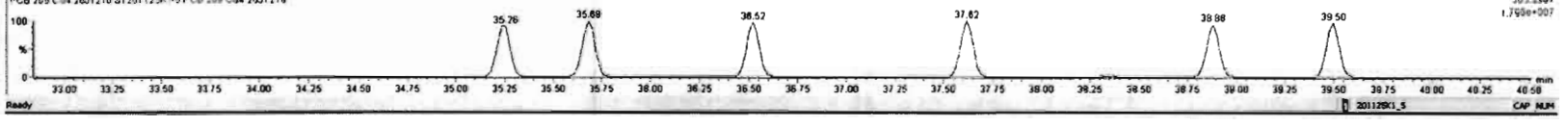
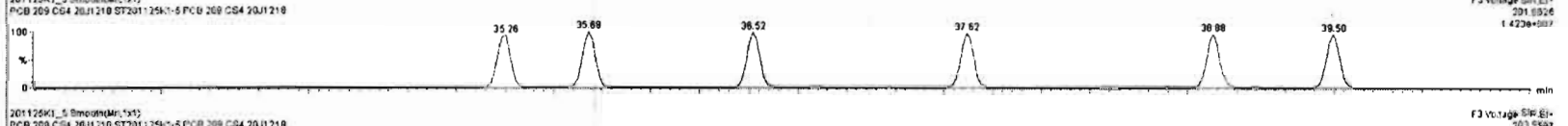
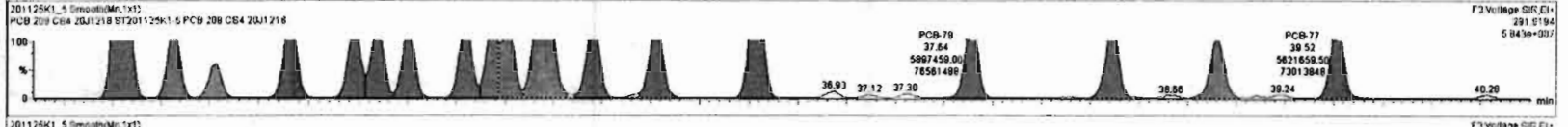
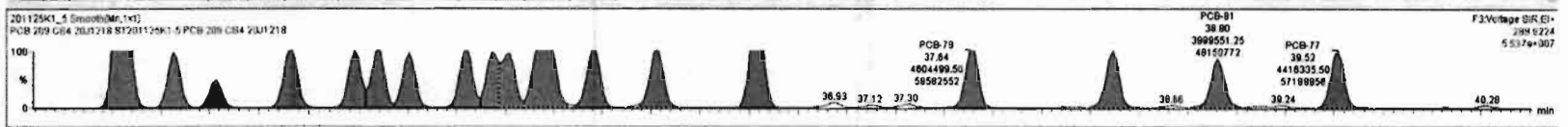
F3:Voltage SIR,EI+  
303.9597  
1.796e+007





#	Name	Resp	RA	nly	RRF	stdDev	ProdRT	RT	ProdR	RRT	RRF Rat	Conc	NRec	DL	EMPC
224	Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	1230		0.0227	1230
225	Total Di-PCBs				1.0367	1.000	0.00		0.000		NO	4873		0.204	4873
226	2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	3270		0.0846	3270
227	3rd Function Tri-PCBs				0.8887	1.000	0.00		0.000		NO	6500		0.388	6500
228	Total Tetra-PCBs				0.8910	1.000	0.00		0.000		NO	17385		0.881	17385
229	3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	18820		0.416	18820
230	4th Function Penta-PCBs				1.9512	1.000	0.00		0.000		NO	2058		0.222	2058
231	3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	5817		0.181	5817
232	Total 6-Function Hexa-PCBs				0.7447	1.000	0.00		0.000		NO	11294		0.141	11294

#	Name	ProdRT	RT	rel Resp	rel Peak	1st Ratio (Prod)	RA	nly	EMPC	Conc
1	30 PCB-54	27.48	27.48	4.087e6	5.273e6	0.770	0.77	NO	418.10	418.10
2	30 PCB-50	28.68	28.68	3.315e6	4.303e6	0.770	0.77	NO	412.96	412.96
3	34 PCB-53	29.37	29.34	3.085e6	3.877e6	0.770	0.80	NO	407.01	407.01
4	36 PCB-51	29.70	29.69	3.278e6	4.181e6	0.770	0.78	NO	410.10	410.10
5	36 PCB-45	30.15	30.14	2.597e6	3.383e6	0.770	0.76	NO	408.78	408.78
6	37 PCB-46	30.65	30.64	2.488e6	3.206e6	0.770	0.78	NO	408.50	408.50
7	38 PCB-52/68	31.14	31.14	7.034e6	8.129e6	0.770	0.77	NO	818.87	818.87
8	38 PCB-73	31.25	31.25	4.530e6	5.772e6	0.770	0.78	NO	432.93	432.93





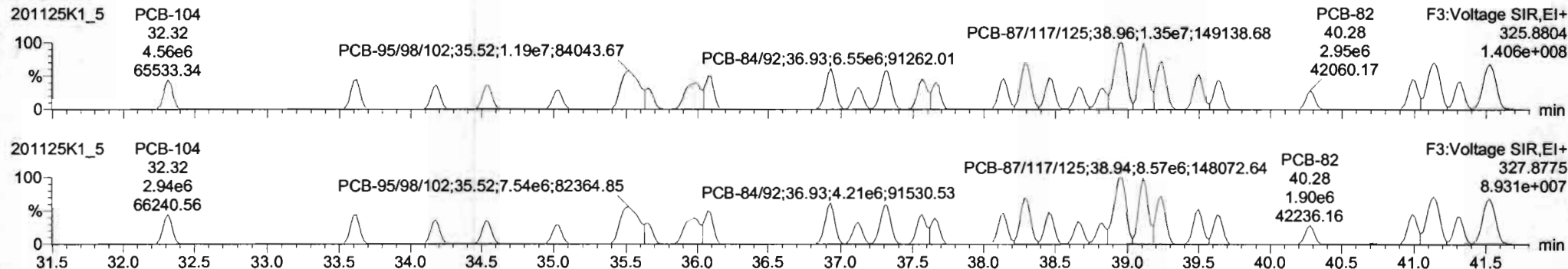
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

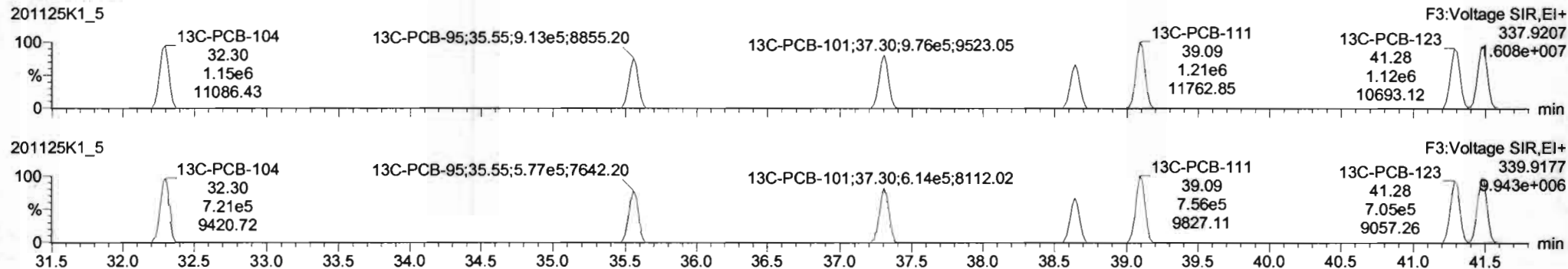
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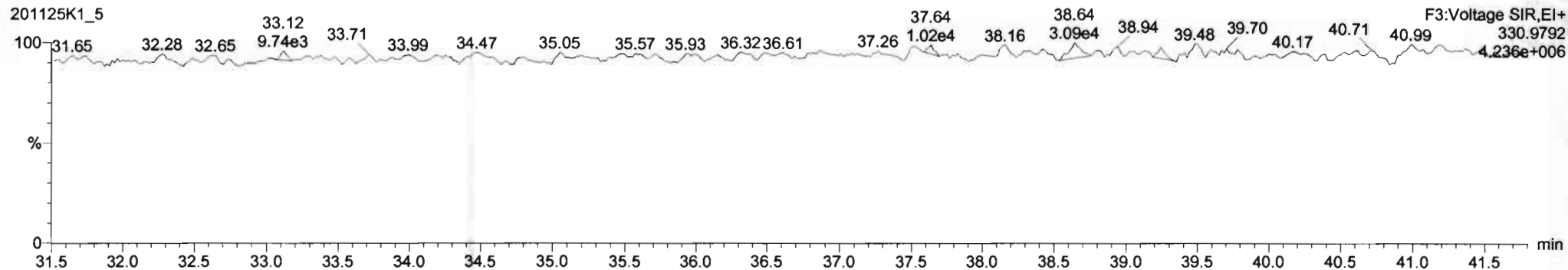
### PCB-104



### 13C-PCB-104



### PFK3b

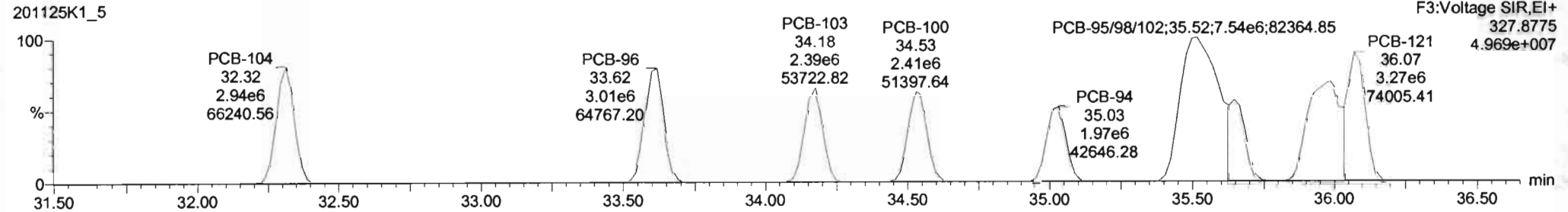
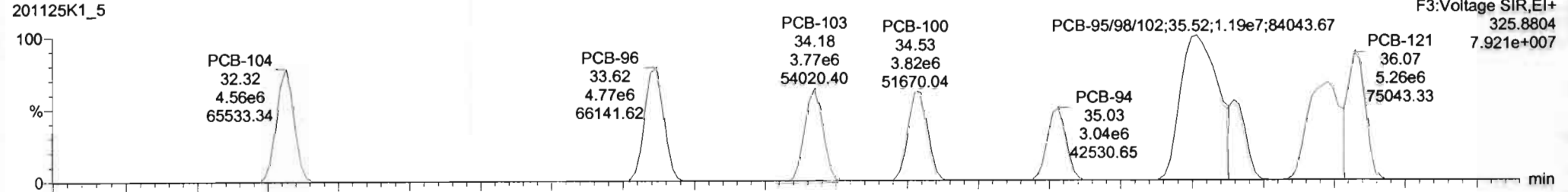


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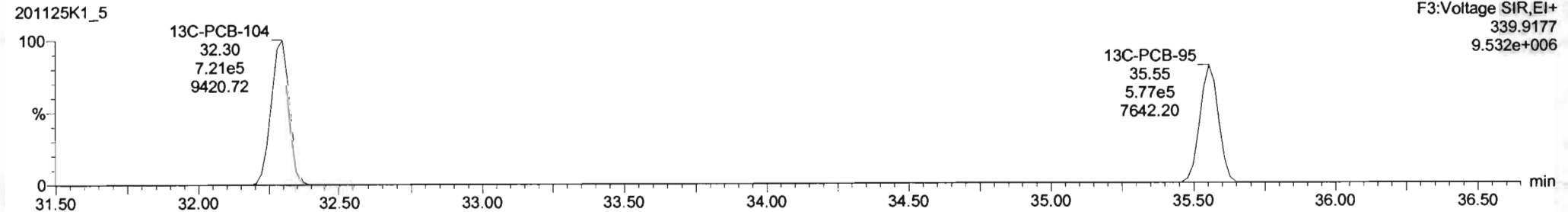
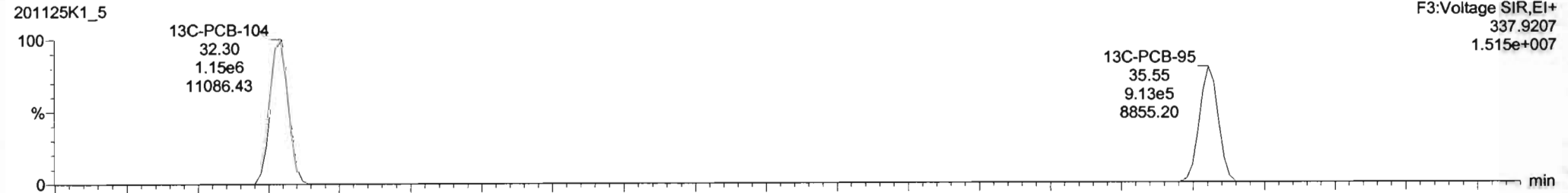
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Name: 201125K1\_5, Date: 25-Nov-2020, Time: 13:49:04, ID: ST201125K1-5 PCB 209 CS4 20J1218, Description: PCB 209 CS4 20J1218

**PCB-96**



**13C-PCB-95**



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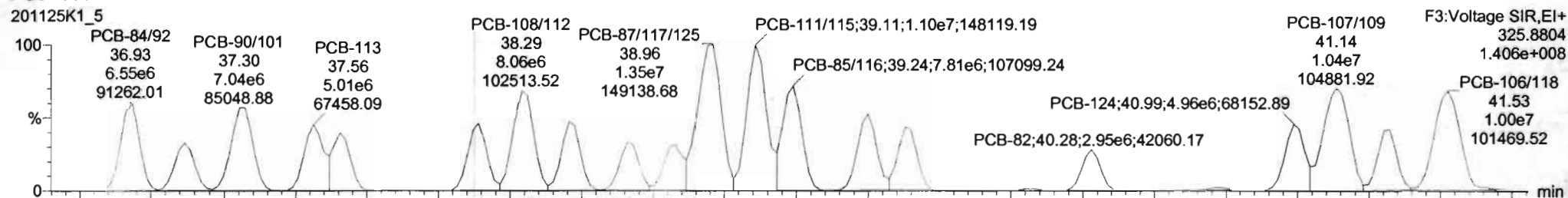
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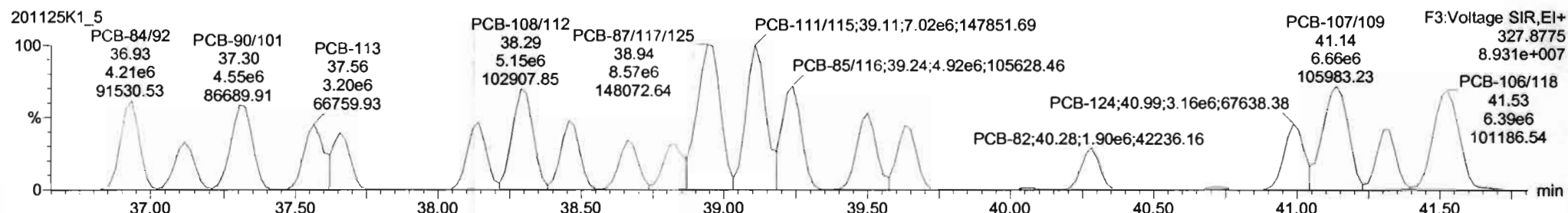
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PCB-119

201125K1\_5

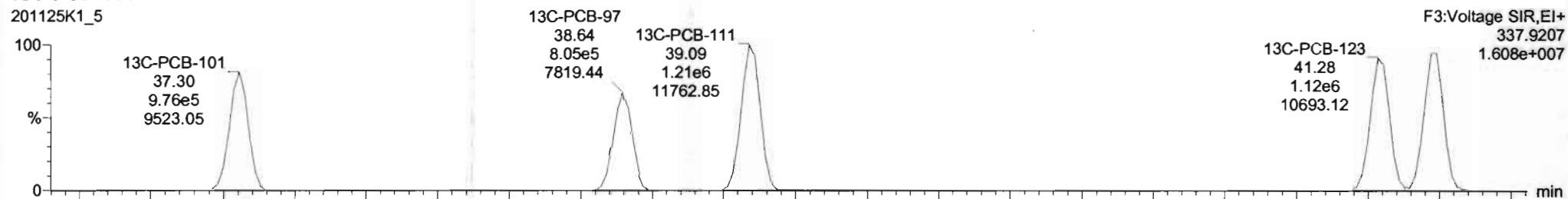


201125K1\_5

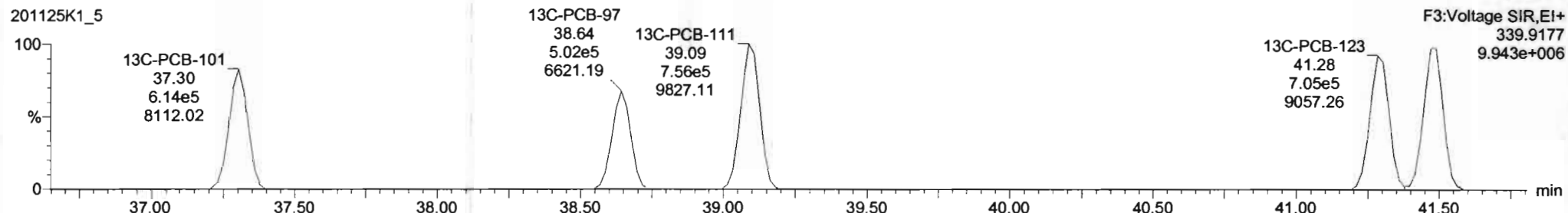


13C-PCB-111

201125K1\_5

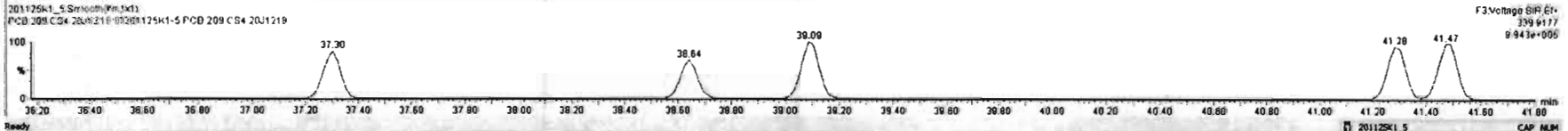
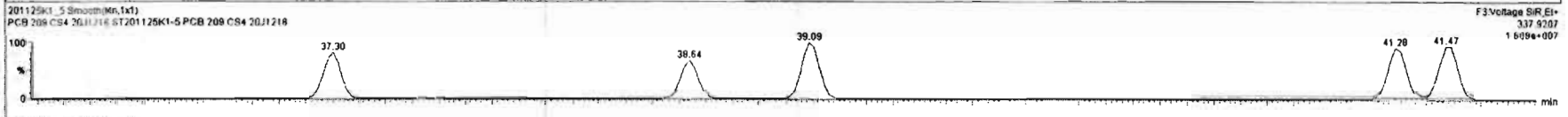
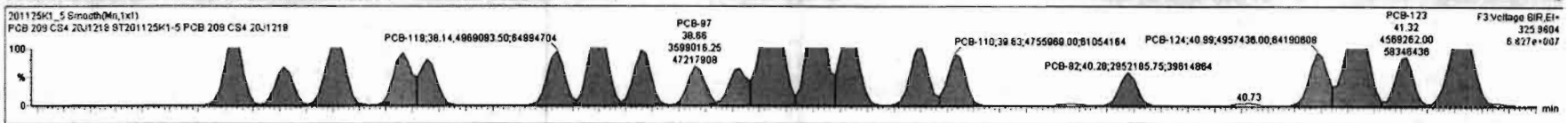


201125K1\_5



#	Name	Resp	RA	n/y	RRF	wt/Std	Pred.RT	RT	Pred.R.	PRT	PRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	1230	0.0227	1230	
225	225 Total Di-PCBs				1.0367	1.000	0.00		0.000		NO	4873	0.204	4873	
226	226 2nd Function Tri-PCBs				0.8434	1.000	0.00		0.000		NO	3270	0.0846	3270	
227	227 3rd Function Tri-PCBs				0.8687	1.000	0.00		0.000		NO	6500	0.369	6500	
228	228 Total Tetra-PCBs				0.9910	1.000	0.00		0.000		NO	17390	0.561	17390	
229	229 3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	18820	0.418	18820	
230	230 4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	2058	0.222	2058	
231	231 3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	5817	0.161	5817	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	64 PCB-104	32.32	32.31	4.556e6	2.942e6	1.560	1.55	NO	408.89	438.89
2	65 PCB-98	33.62	33.62	4.774e6	3.006e6	1.560	1.58	NO	423.95	423.95
3	86 PCB-103	34.17	34.18	3.773e6	2.384e6	1.560	1.58	NO	428.97	428.97
4	67 PCB-100	34.54	34.53	3.825e6	2.407e6	1.560	1.58	NO	414.58	414.58
5	68 PCB-94	35.03	35.03	3.038e6	1.968e6	1.560	1.55	NO	404.52	404.52
6	69 PCB-85/98/102	35.50	35.52	1.189e7	7.543e6	1.560	1.58	NO	1218.3	1218.3
7	70 PCB-93	36.65	36.65	2.807e6	1.789e6	1.560	1.58	NO	403.43	403.43
8	71 PCB-98/91	35.98	35.98	7.077e6	4.518e6	1.560	1.57	NO	855.13	855.13

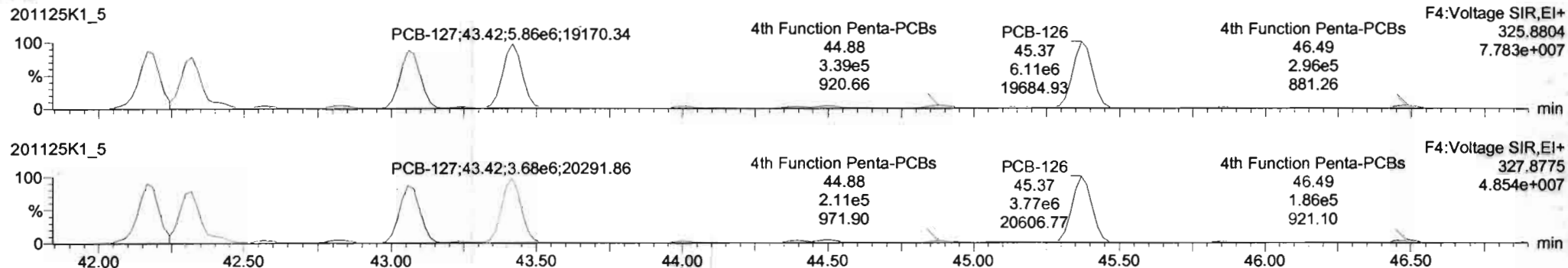


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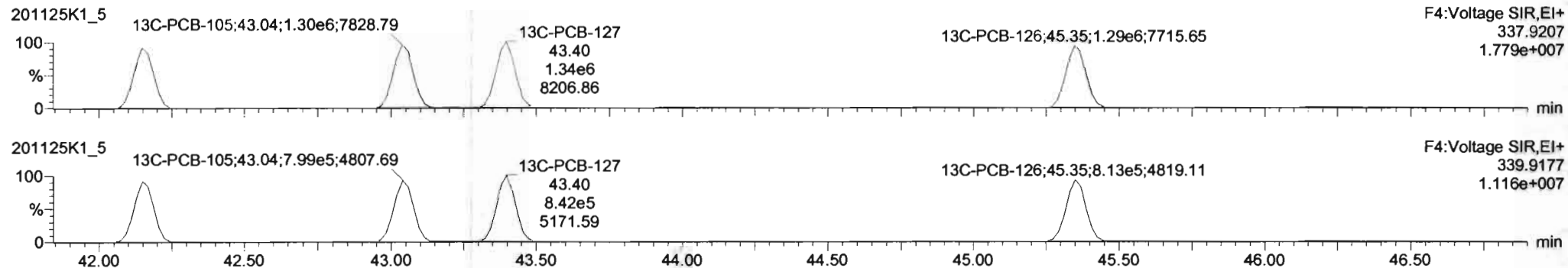
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_5, Date: 25-Nov-2020, Time: 13:49:04, ID: ST201125K1-5 PCB 209 CS4 20J1218, Description: PCB 209 CS4 20J1218

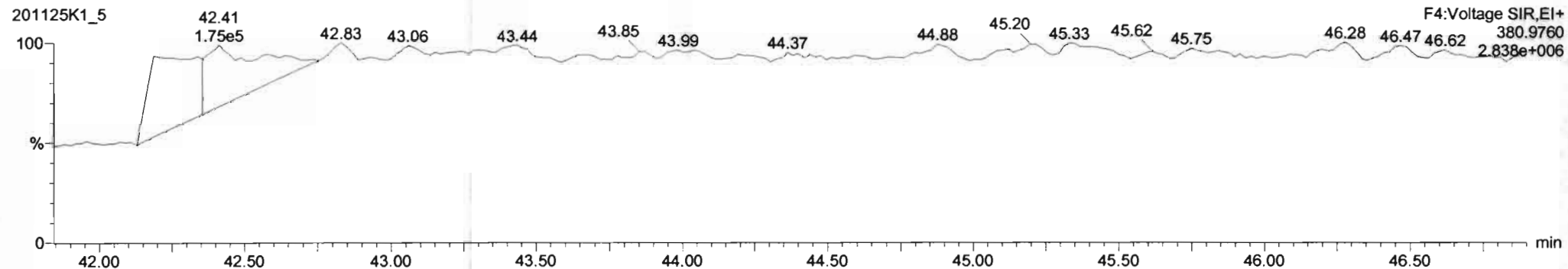
**PCB-114**



**13C-PCB-114**

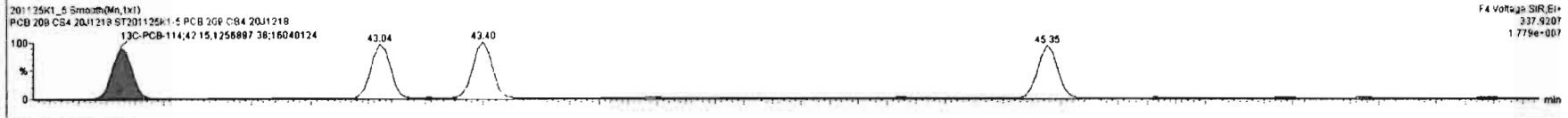
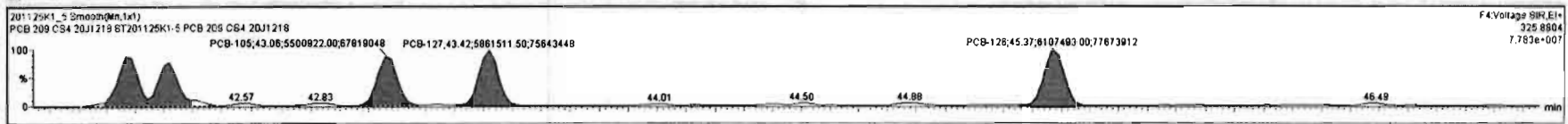


**PFK4a**



#	Name	Resp	RA	n/y	RF	nt/nt	Pred.RT	RT	Prod.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
224	Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	1230		0.0227	1230
225	Total Di-PCBs				1.0267	1.000	0.00		0.000		NO	4873		0.204	4873
226	2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	3270		0.0846	3270
227	3rd Function Tri-PCBs				0.9687	1.000	0.00		0.000		NO	6500		0.399	6500
228	Total Tetra-PCBs				0.9010	1.000	0.00		0.000		NO	17390		0.661	17390
229	3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	16620		0.416	16620
230	4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	2069		0.222	2069
231	3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	5817		0.181	5817

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
1	83 PCB-114	42.17	42.17	5.539e6	3.547e6	1.580	1.58	NO	408.10	408.10
2	84 PCB-122	42.32	42.32	4.968e6	3.077e6	1.580	1.58	NO	415.73	415.73
3	85 PCB-105	43.06	43.06	5.501e6	3.435e6	1.550	1.60	NO	411.46	411.46
4	86 PCB-127	43.42	43.42	5.062e6	3.081e6	1.560	1.59	NO	414.48	414.48
5	87 PCB-126	45.37	45.37	8.107e6	3.799e6	1.560	1.61	NO	408.71	409.71





Dataset: Untitled

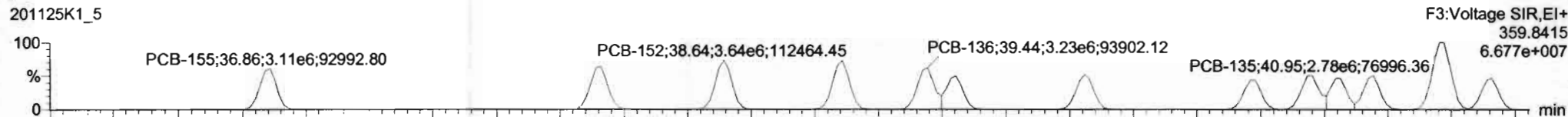
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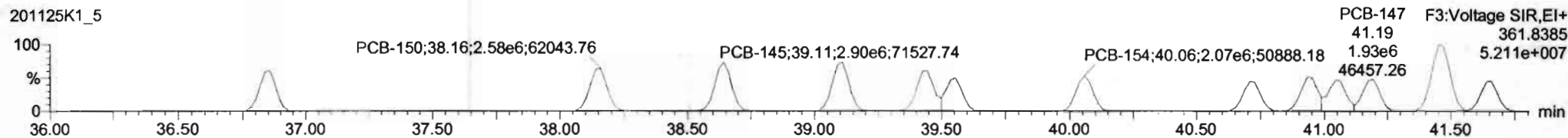
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**PCB-155**

201125K1\_5

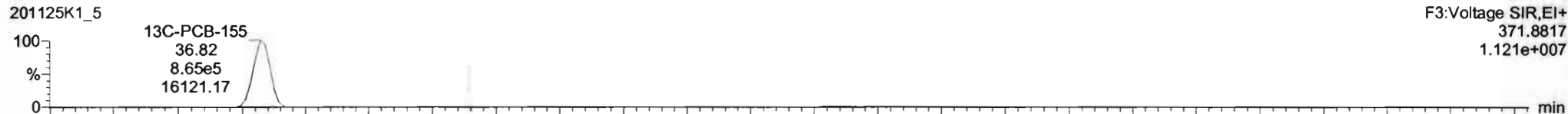


201125K1\_5

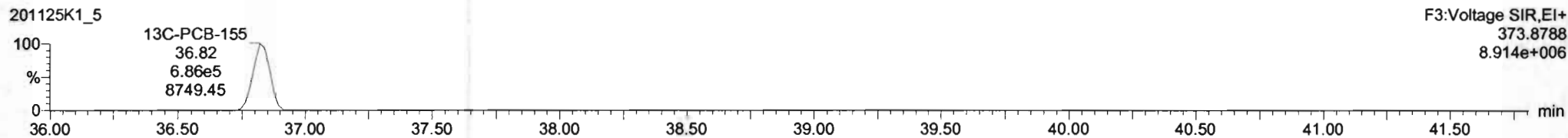


**13C-PCB-155**

201125K1\_5

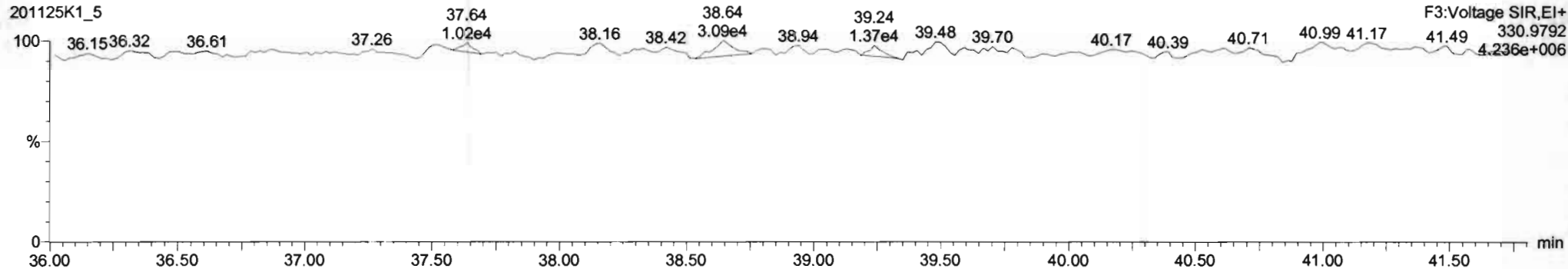


201125K1\_5



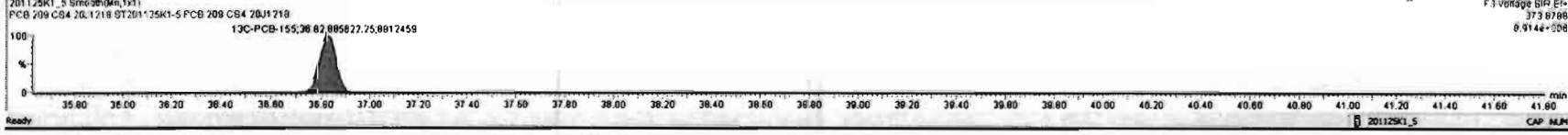
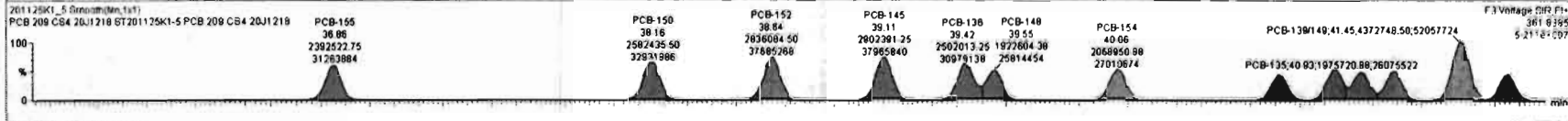
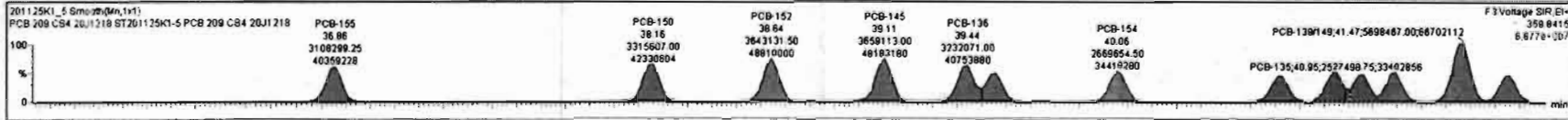
**PFK3c**

201125K1\_5



#	Name	Resp	RA	n/y	RRF	wAveI	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0034	1.000	0.00	0.000	0.000	NO	NO	1230	0.0227	1230	
225	225 Total Di-PCBs				1.0367	1.000	0.00	0.000	0.000	NO	NO	4873	0.204	4873	
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00	0.000	0.000	NO	NO	3270	0.0846	3270	
227	227 3rd Function Tri-PCBs				0.9687	1.000	0.00	0.000	0.000	NO	NO	6500	0.368	6500	
228	228 Total Tetra-PCBs				0.9910	1.000	0.00	0.000	0.000	NO	NO	17390	0.681	17390	
229	229 3rd Function Penta-PCBs				1.1133	1.000	0.00	0.000	0.000	NO	NO	18820	0.416	18820	
230	230 4th Function Penta-PCBs				1.0512	1.000	0.00	0.000	0.000	NO	NO	2058	0.227	2058	
231	231 3rd Function Hexa-PCBs				0.7910	1.000	0.00	0.000	0.000	NO	NO	5817	0.181	5817	

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	98 PCB-155	36.84	36.86	3.108e6	2.393e6	1.240	1.30	NO	416.08	416.08
2	99 PCB-150	38.16	38.18	3.316e6	2.582e6	1.240	1.28	NO	407.14	407.14
3	100 PCB-152	38.84	38.84	3.843e6	2.836e6	1.240	1.28	NO	410.38	410.38
4	101 PCB-145	38.11	38.11	3.659e6	2.902e6	1.240	1.28	NO	430.55	430.55
5	102 PCB-138	39.44	39.44	3.232e6	2.502e6	1.240	1.29	NO	418.71	418.71
6	103 PCB-148	38.55	38.55	2.481e6	1.923e6	1.240	1.30	NO	427.34	427.34
7	104 PCB-154	40.08	40.08	2.670e6	2.086e6	1.240	1.29	NO	434.02	434.02
8	105 PCB-151	40.72	40.71	2.304e6	1.806e6	1.240	1.28	NO	393.10	393.10



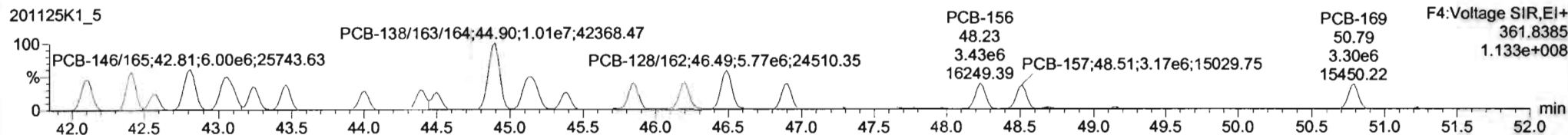
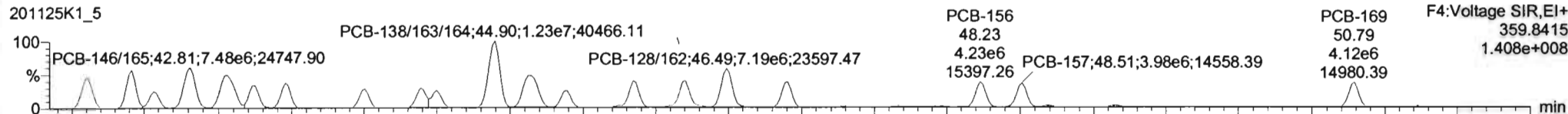


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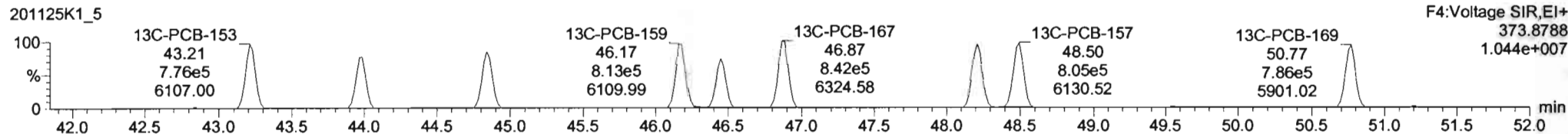
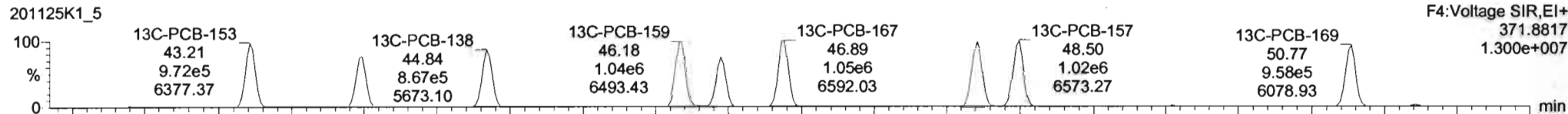
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

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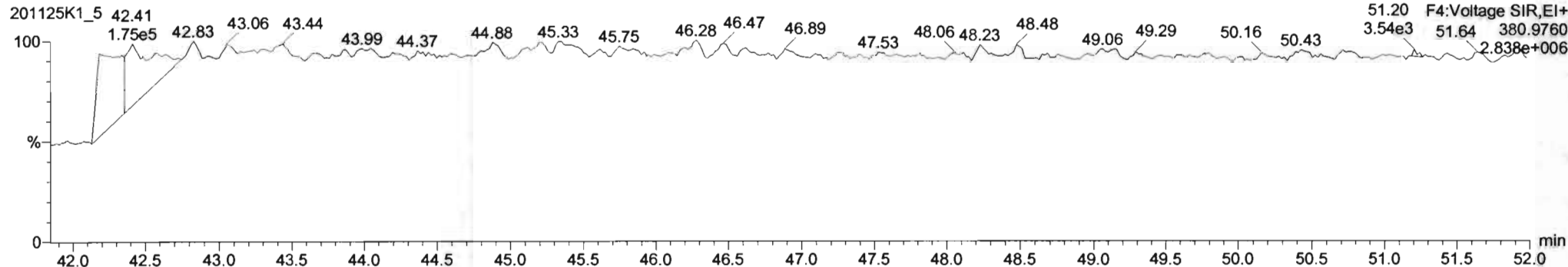
**PCB-134/143**



**13C-PCB-153**

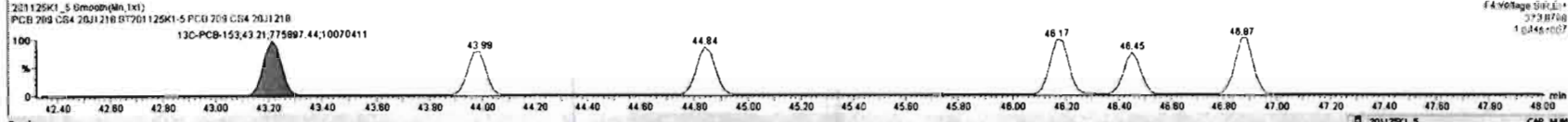
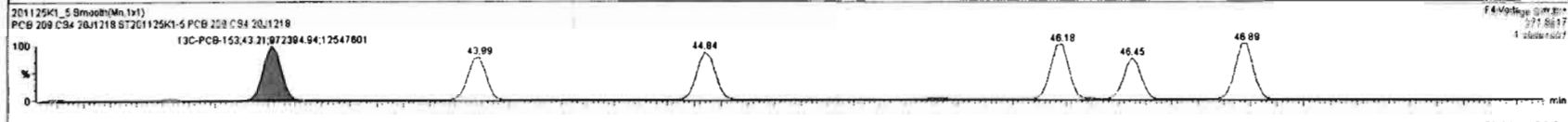
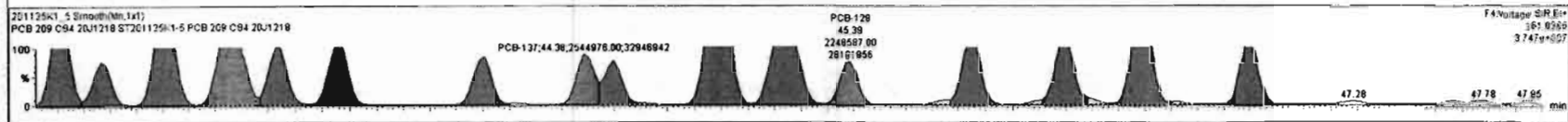


**PFK4b**



#	Name	Resp	RA	nfy	RR'	wtVcl	Pred RT	RT	Pred R...	RRT	RRT Fat	Conc	%Rec	Et	EMPC
224	Total Mono-PCBs				1.0034	1.000	0.00	0.000			NO	1230		0.0227	1230
225	Total Di-PCBs				1.2367	1.000	0.00	0.000			NO	4873		0.204	4873
226	2nd Function Tri-PCBs				0.8434	1.000	0.00	0.000			NO	3270		0.0848	3270
227	3rd Function Tri-PCBs				0.8887	1.000	0.00	0.000			NO	6500		0.269	6500
228	Total Tetra-PCBs				0.9910	1.000	0.00	0.000			NO	17390		0.691	17390
229	2nd Function Penta-PCBs				1.1133	1.000	0.00	0.000			NO	16820		0.416	16820
230	4th Function Penta-PCBs				1.0512	1.000	0.00	0.000			NO	2059		0.222	2059
231	3rd Function Hexa-PCBs				0.7910	1.000	0.00	0.000			NO	5917		0.161	5917

#	Name	Pred RT	RT	wt Filter	wt Resp	1* Ratio (Pred)	RA	nfy	EMPC	Conc
1	111 PCB-134/43	42.11	42.11	5.711e6	4.599e6	1.240	1.24	NO	820.87	820.87
2	112 PCB-131/43	42.42	42.41	6.133e6	4.834e6	1.240	1.24	NO	824.64	824.64
3	113 PCB-142	42.58	42.57	2.781e6	2.198e6	1.240	1.26	NO	412.85	412.85
4	114 PCB-146/65	42.81	42.81	7.477e6	5.999e6	1.240	1.25	NO	817.07	817.07
5	115 PCB-132/61	43.06	43.06	7.657e6	6.107e6	1.240	1.25	NO	822.58	822.58
6	116 PCB-153	43.25	43.23	3.819e6	3.049e6	1.240	1.25	NO	386.73	386.73
7	117 PCB-168	43.46	43.46	4.085e6	3.288e6	1.240	1.25	NO	408.03	408.03
8	118 PCB-141	44.01	44.01	3.085e6	2.482e6	1.240	1.25	NO	410.44	410.44

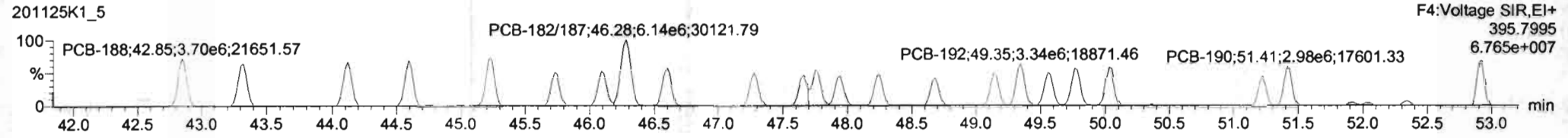
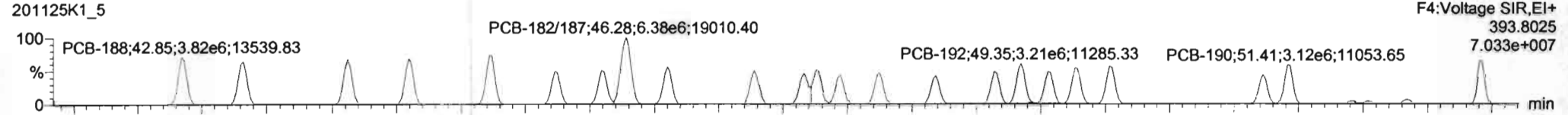


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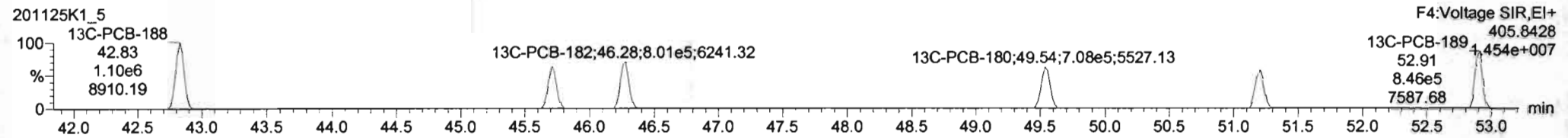
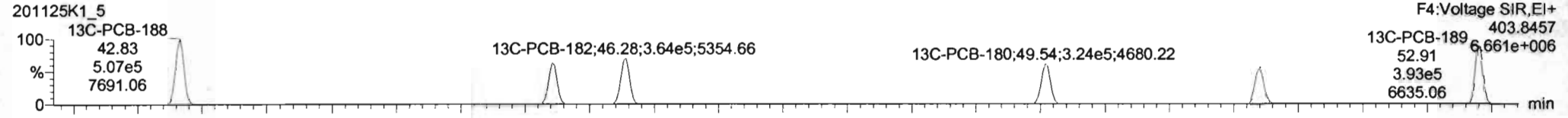
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_5, Date: 25-Nov-2020, Time: 13:49:04, ID: ST201125K1-5 PCB 209 CS4 20J1218, Description: PCB 209 CS4 20J1218

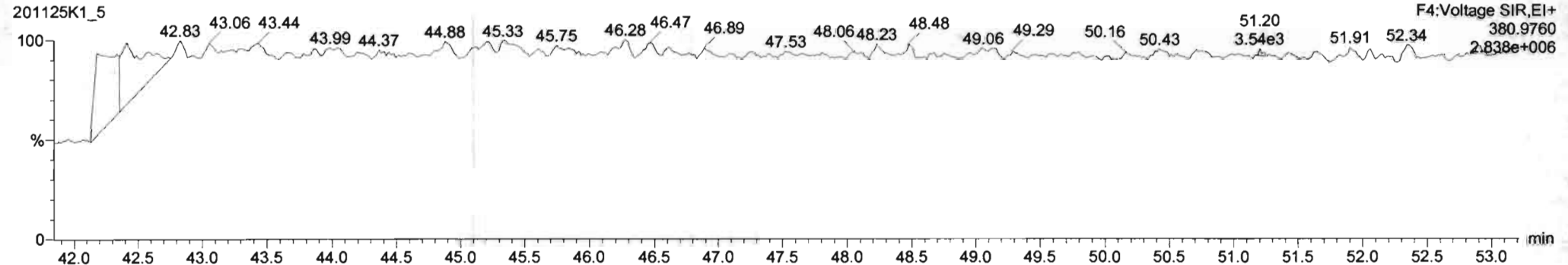
**PCB-188**



**13C-PCB-188**

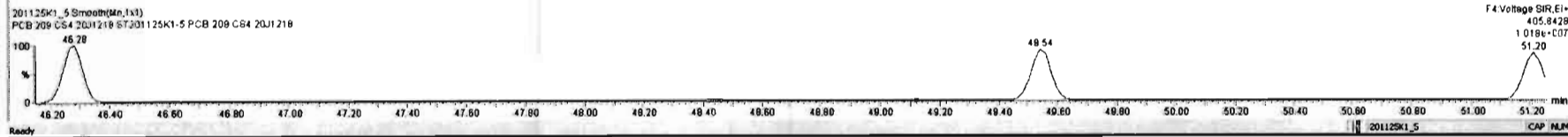
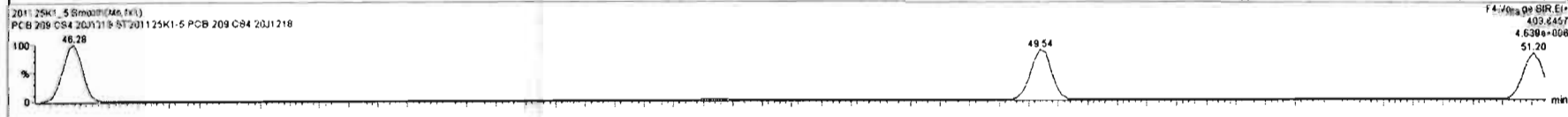
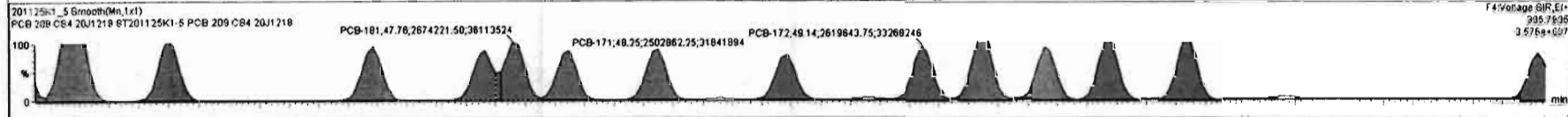
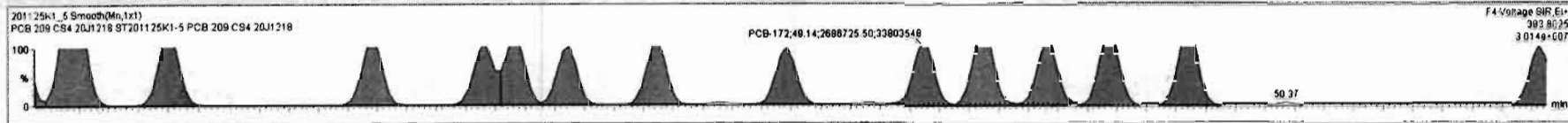


**PFK4c**



#	Name	Resp	RA	n/y	RRF	wt/val	Pred RT	RT	Pred R...	RRT	RRT Fal	Conc	%Rec	DL	EMPC
233	Total Hepta-PCBs				1.2043	1.000	0.00	0.000			NO	3740	1.48	3740	
234	4th Function Octa-PCBs				0.8605	1.000	0.00	0.000			NO	3755	0.267	3755	
235	5th Function Octa-PCBs				1.0957	1.000	0.00	0.000			NO	1213	0.178	1213	
236	Total Nona-PCBs				0.8671	1.000	0.00	0.000			NO	1248	0.284	1248	
237	Deca-CB				0.8627	1.000	0.00	0.000			NO	408.1	0.00348	408.1	
238	Total PCBs														
239	Total Mono-Isotopes														
240	Total Di-Isotopes														

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
1	PCB-188	42.87	42.85	3.820e6	3.702e6	1.050	1.03	NO	406.62	406.62
2	PCB-184	43.32	43.32	3.598e6	3.465e6	1.050	1.04	NO	385.11	385.11
3	PCB-179	44.12	44.12	3.658e6	3.479e6	1.050	1.05	NO	412.80	412.80
4	PCB-176	44.50	44.50	3.716e6	3.554e6	1.050	1.05	NO	405.99	405.99
5	PCB-186	45.24	45.22	4.045e6	3.891e6	1.050	1.04	NO	400.10	400.10
6	PCB-178	45.75	45.73	2.690e6	2.618e6	1.050	1.03	NO	398.05	398.05
7	PCB-175	46.00	46.00	2.816e6	2.748e6	1.050	1.02	NO	405.47	405.47
8	PCB-182/187	46.28	46.28	6.381e6	6.143e6	1.050	1.04	NO	626.44	626.44



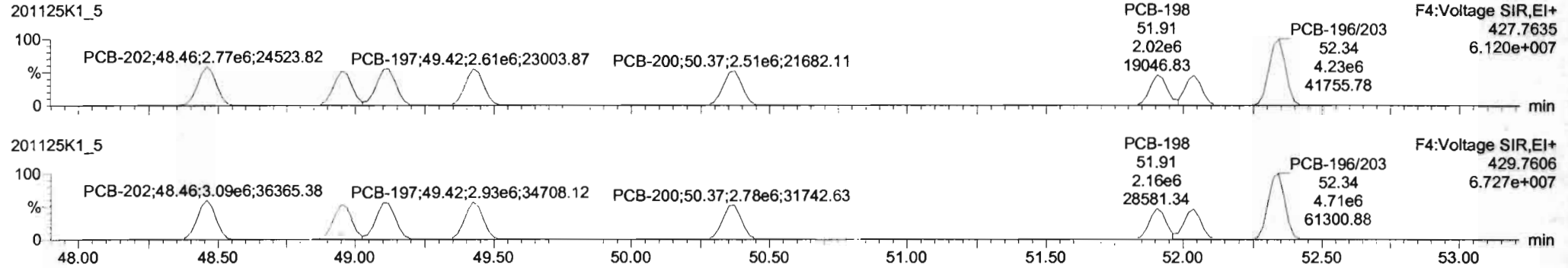
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

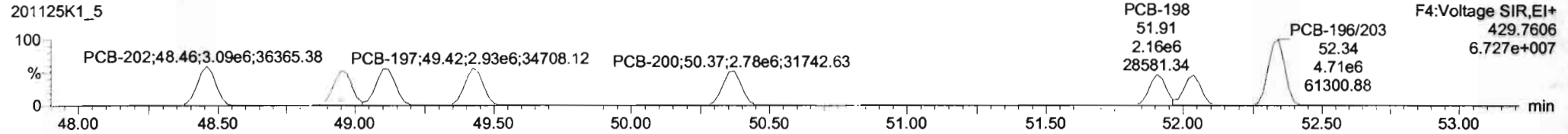
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**PCB-202**

201125K1\_5

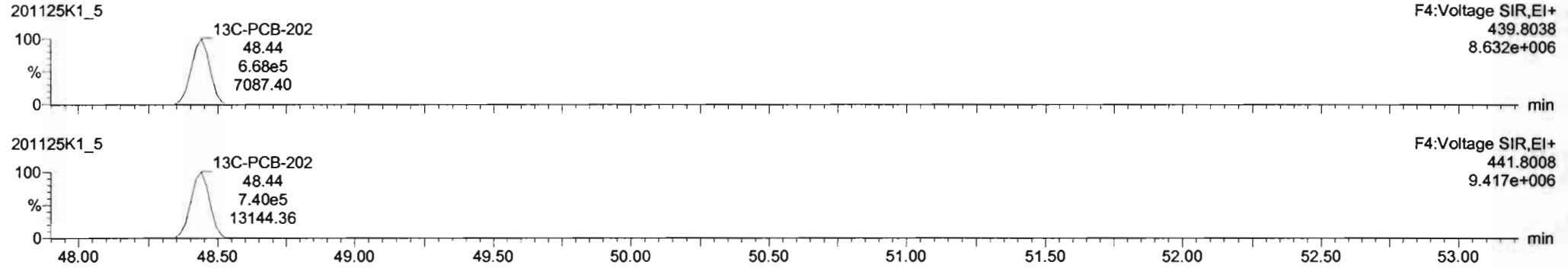


201125K1\_5

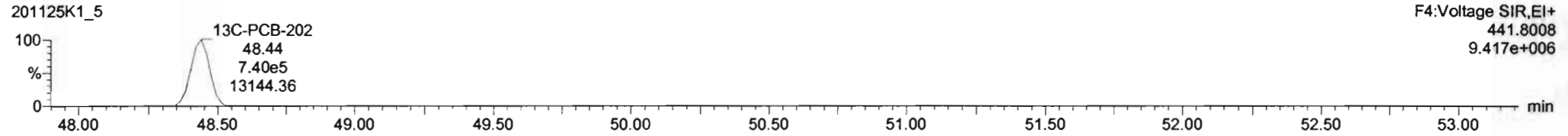


**13C-PCB-202**

201125K1\_5

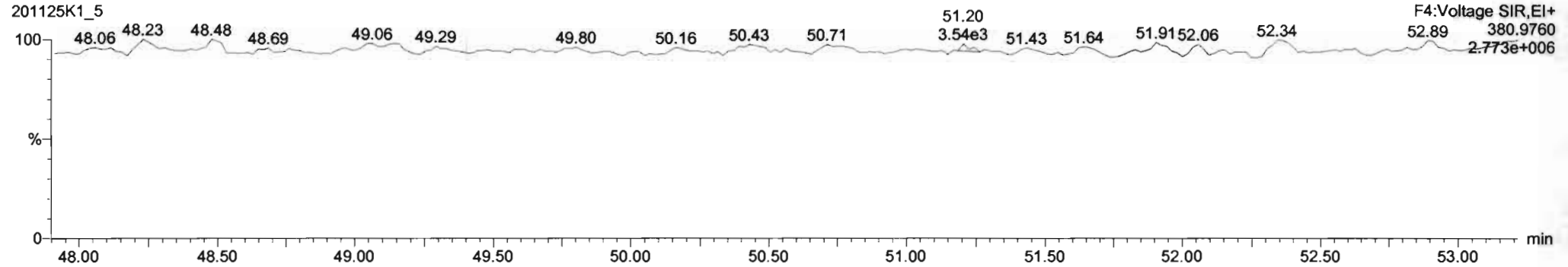


201125K1\_5



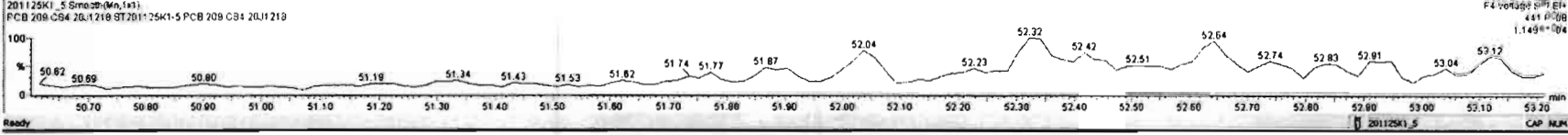
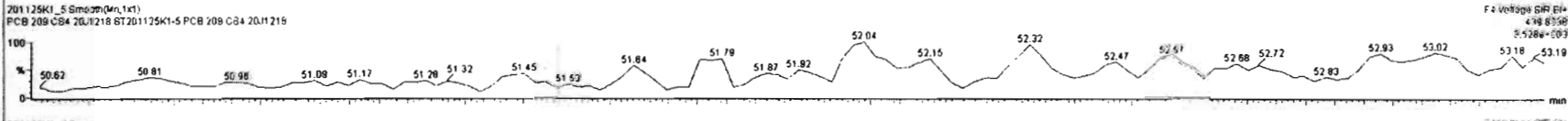
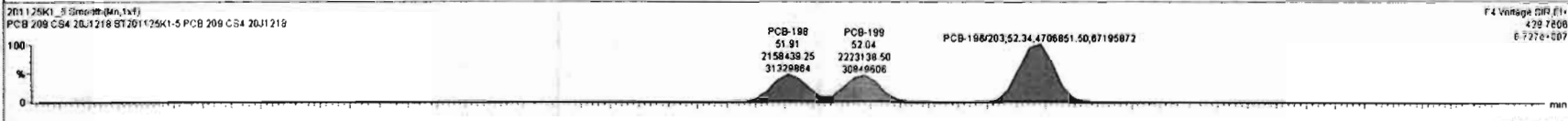
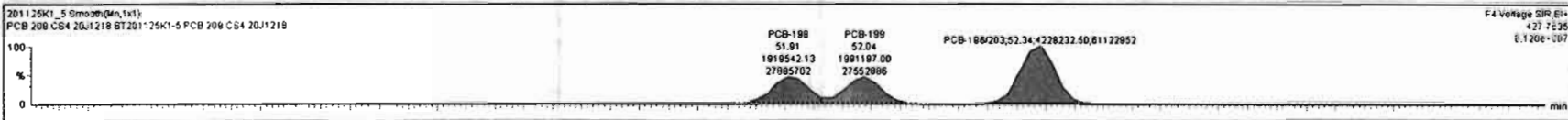
**PFK4d**

201125K1\_5



#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Prad R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
233	233 Total Hepta-PCBs		1.2043	1.000	0.000	1.000	0.00	0.000	0.000	NO	NO	9740	1.48	9740	
234	234 4th Function Octa-PCBs				0.8605	1.000	0.00	0.000	0.000	NO	NO	3756	0.267	3756	
235	235 5th Function Octa-PCBs				1.0957	1.000	0.00	0.000	0.000	NO	NO	1213	0.178	1213	
236	236 Total Nona-PCBs		0.8071	1.000	0.00	0.000	0.00	0.000	0.000	NO	NO	1248	0.264	1248	
237	237 Deca-CB		0.8627	1.000	0.00	0.000	0.00	0.000	0.000	NO	NO	409.1	0.00346	409.1	
238	238 Total PCBs														
239	239 Total Mono-Isotopes														
240	240 Total Di-Isotopes														

#	Name	Pred RT	RT	ml Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	154 PCB-202	48.48	48.46	2.775e6	3.067e6	0.900	0.90	NO	418.74	418.74
2	155 PCB-201	48.97	48.95	2.433e6	2.716e6	0.890	0.90	NO	404.75	404.75
3	156 PCB-204	49.12	49.12	2.742e6	3.027e6	0.890	0.91	NO	429.25	429.24
4	157 PCB-197	49.44	49.42	2.611e6	2.926e6	0.890	0.89	NO	408.13	408.13
5	158 PCB-200	50.37	50.37	2.512e6	2.778e6	0.890	0.90	NO	412.50	412.50
6	159 PCB-198	51.82	51.81	1.920e6	2.156e6	0.880	0.89	NO	416.48	416.48
7	180 PCB-199	52.06	52.04	1.981e6	2.223e6	0.880	0.90	NO	424.18	424.18
8	181 PCB-196/203	52.36	52.34	4.228e6	4.707e6	0.890	0.90	NO	841.49	841.49





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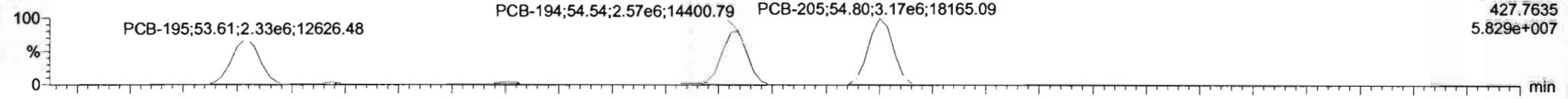
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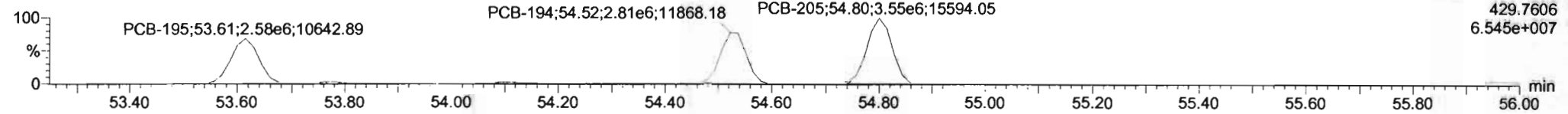
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**PCB-195**

201125K1\_5

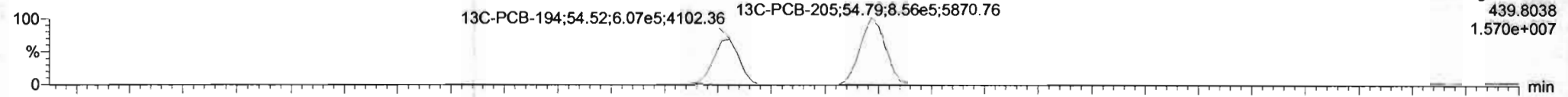


201125K1\_5

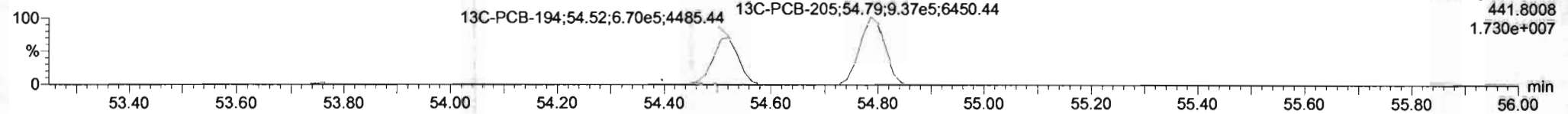


**13C-PCB-194**

201125K1\_5

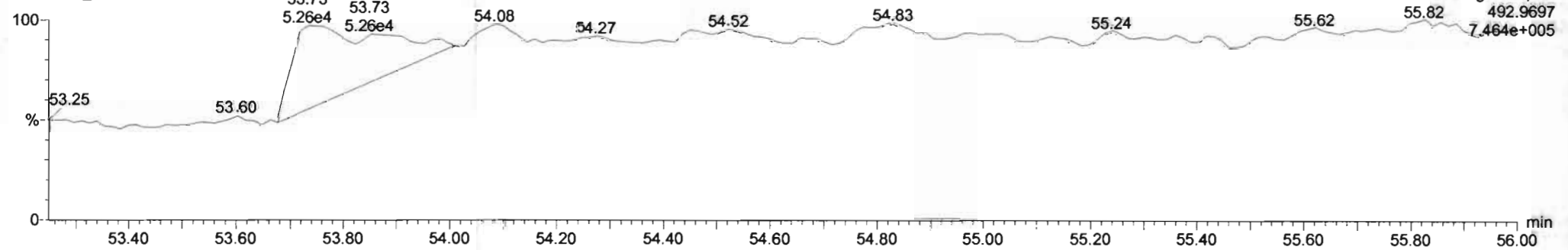


201125K1\_5



**PFK5a**

201125K1\_5



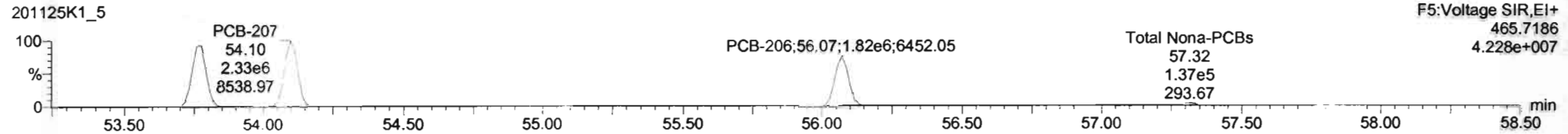
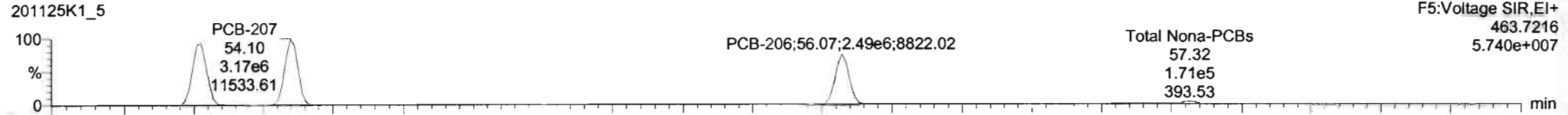
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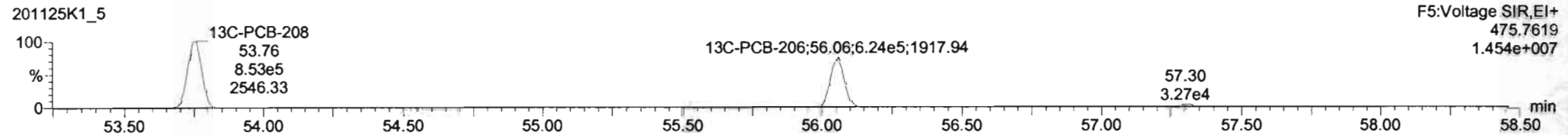
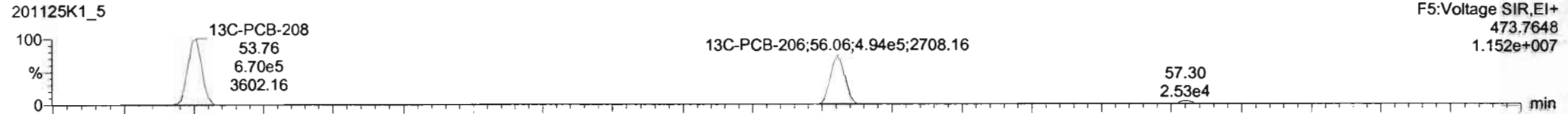
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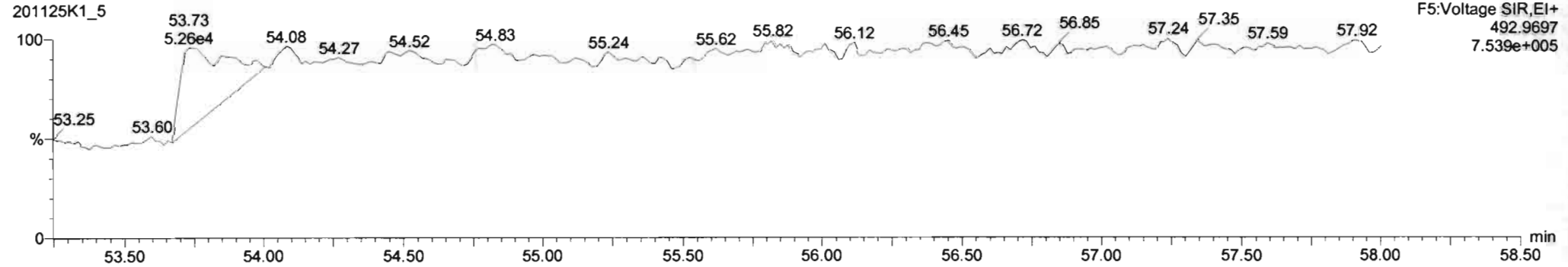
**PCB-208**



**13C-PCB-208**



**PFK5**





Dataset: Untitled

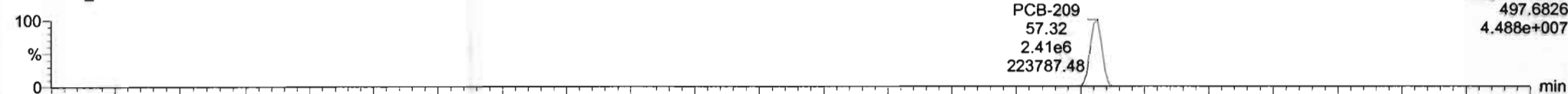
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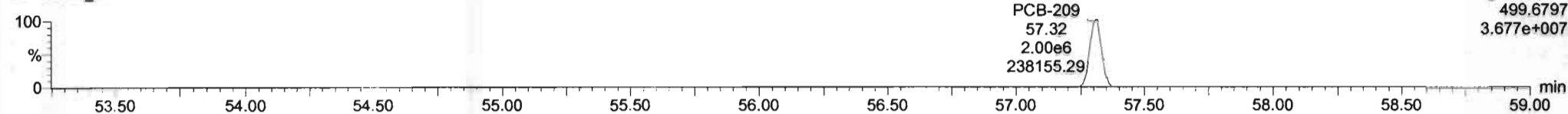
**PCB-209**

201125K1\_5



F5:Voltage SIR,EI+  
497.6826  
4.488e+007

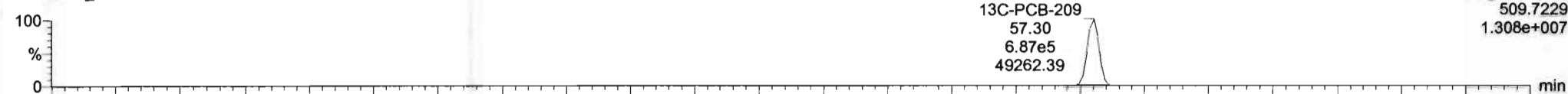
201125K1\_5



F5:Voltage SIR,EI+  
499.6797  
3.677e+007

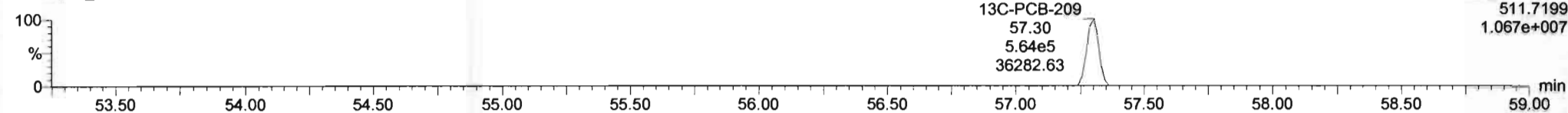
**13C-PCB-209**

201125K1\_5



F5:Voltage SIR,EI+  
509.7229  
1.308e+007

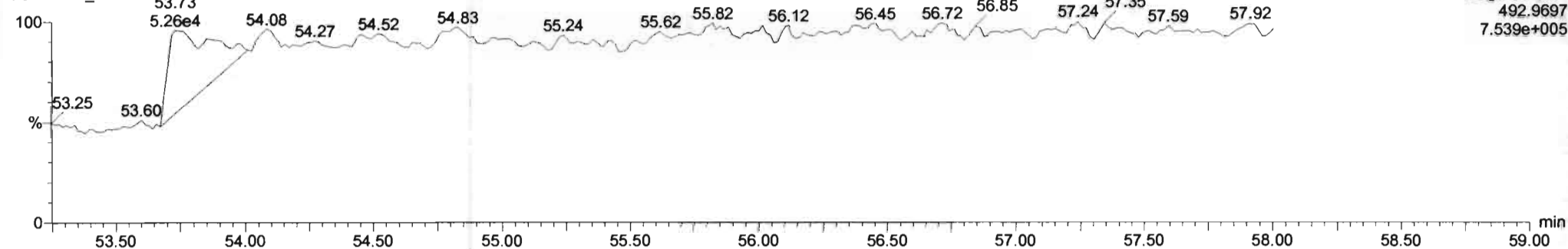
201125K1\_5



F5:Voltage SIR,EI+  
511.7199  
1.067e+007

**PFK5b**

201125K1\_5



F5:Voltage SIR,EI+  
492.9697  
7.539e+005

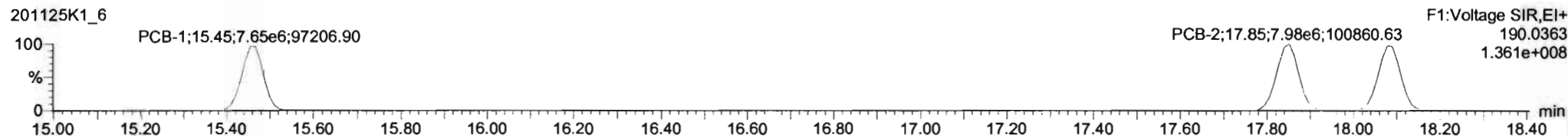
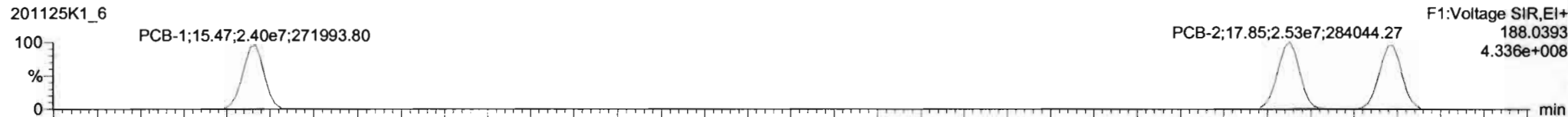
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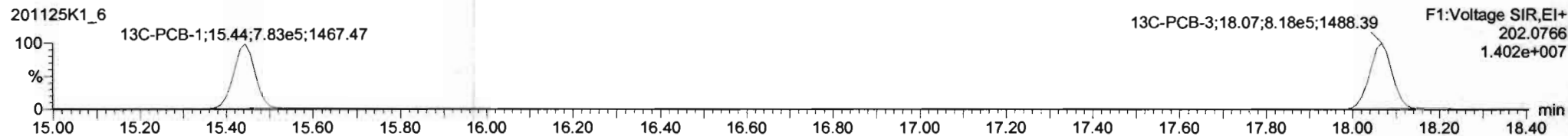
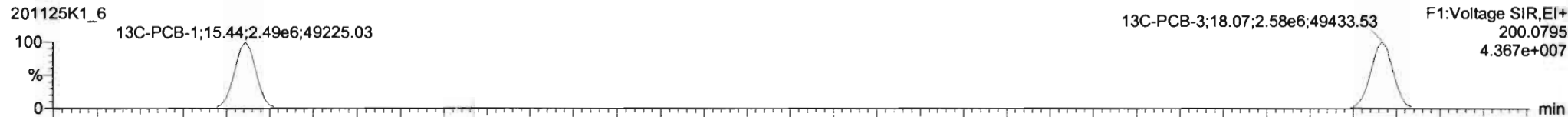
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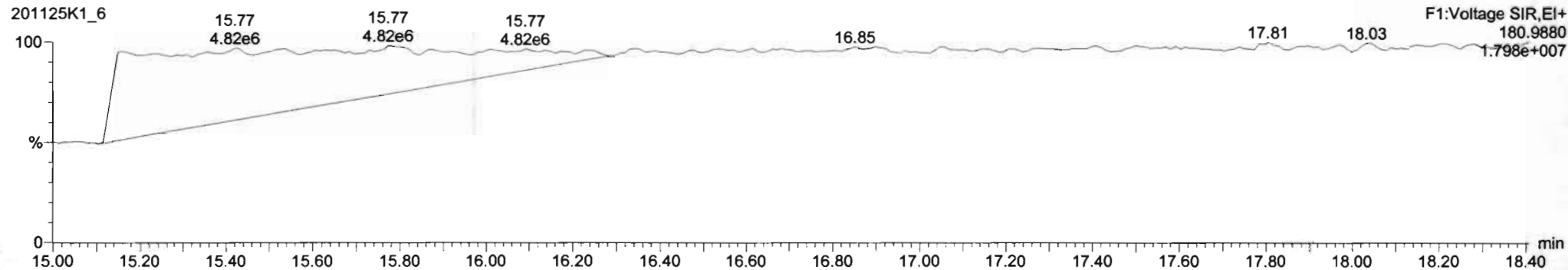
**PCB-1**



**13C-PCB-1**



**PFK1**

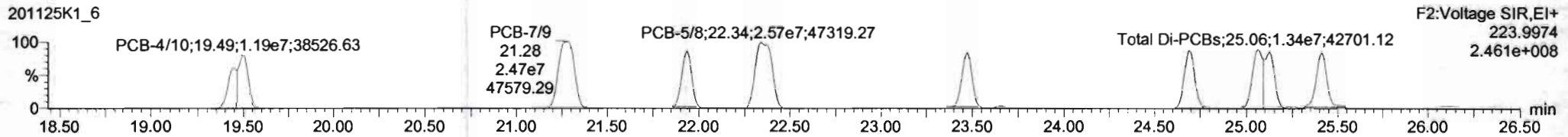
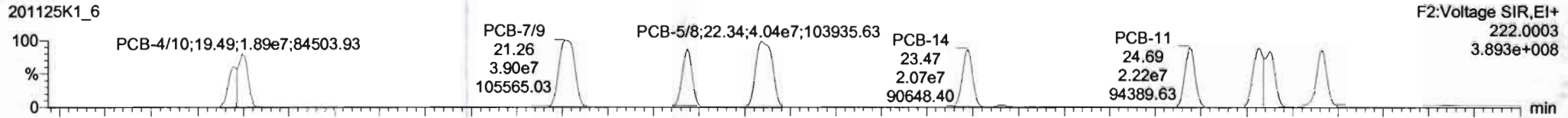


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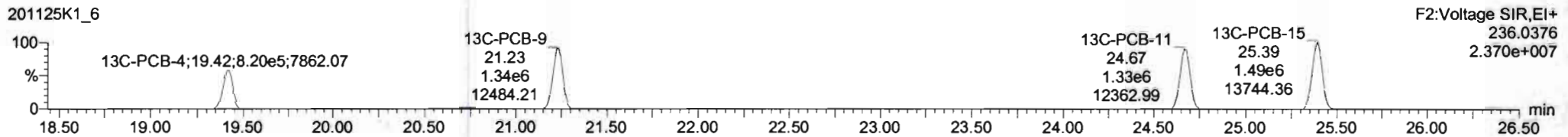
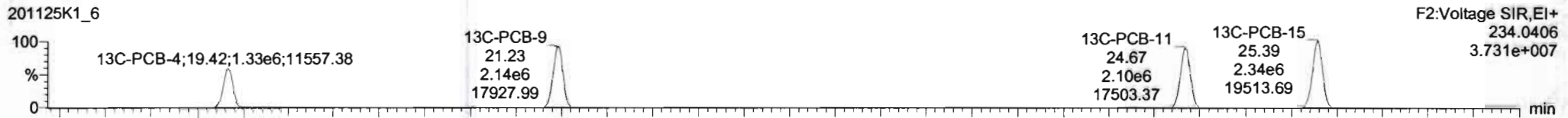
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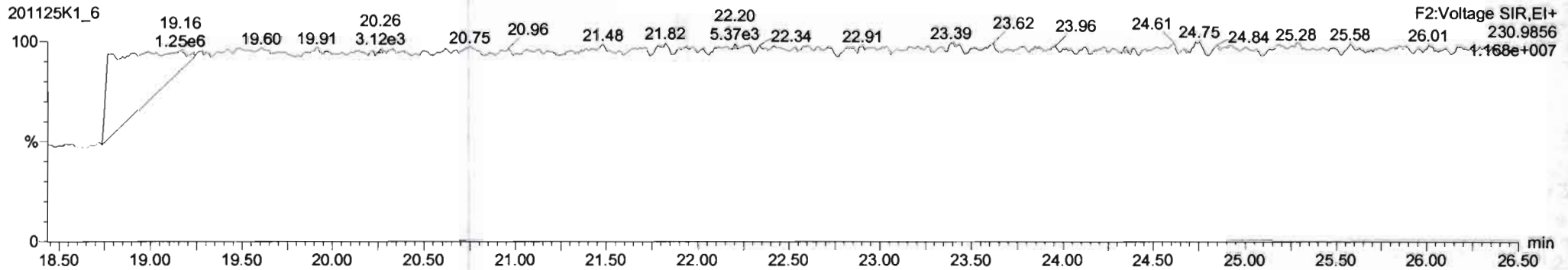
**PCB-4/10**



**13C-PCB-4**

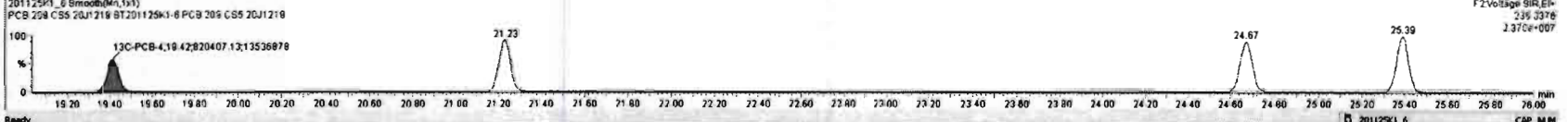
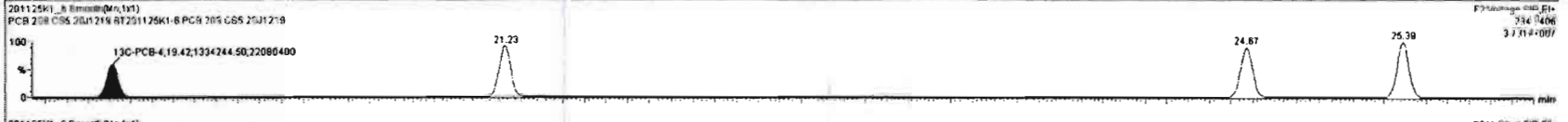
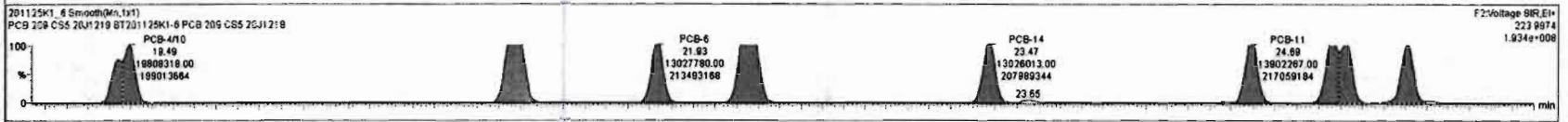
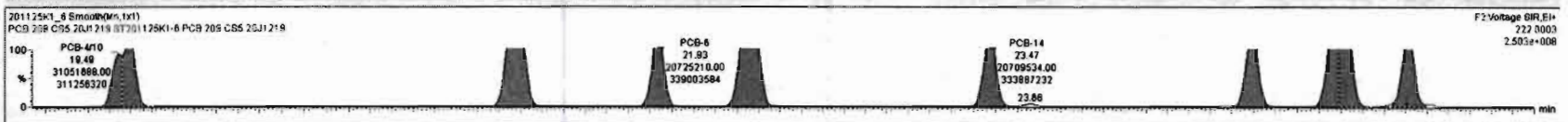


**PFK2a**



#	Name	Resp	RA	nly	RRF	wtAveI	Pred RT	RT	Pred.R	RRT	RRT Fall	Conc	%Rec	DL	EMPC
224	Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	2908	0.0290	2908	
225	Total Di-PCBs				1.0367	1.000	0.00		0.000		NO	11870	0.283	11870	
226	2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	7698	0.0860	7698	
227	3rd Function Tri-PCBs				0.9687	1.000	0.00		0.000		NO	15510	1.30	15510	
228	Total Tetra-PCBs				0.9810	1.000	0.00		0.000		NO	41000	1.83	41000	
229	3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	38290	1.09	38290	
230	4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	4726	0.236	4726	
231	3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	13890	0.281	13890	

#	Name	Pred RT	RT	ret Resp	m2 Resp	1st Ratio (Pred)	RA	nly	EMPC	Conc.
4	PCB-4/0	19.50	19.49	3.105e7	1.981e7	1.560	1.57	NO	1955.0	1955.0
5	PCB-7/0	21.29	21.26	3.902e7	2.485e7	1.560	1.58	NO	1949.9	1949.9
6	PCB-6	21.84	21.83	2.073e7	1.303e7	1.560	1.58	NO	974.02	974.02
7	PCB-5/8	22.34	22.34	4.037e7	2.574e7	1.560	1.57	NO	1949.1	1949.1
8	PCB-14	23.46	23.47	2.071e7	1.303e7	1.560	1.59	NO	980.81	980.81
9	PCB-11	24.89	24.89	2.217e7	1.390e7	1.560	1.60	NO	942.21	942.21
10	PCB-12/3	25.12	25.05	4.148e7	2.632e7	1.560	1.59	NO	1939.3	1939.3
11	PCB-15	25.40	25.41	2.136e7	1.349e7	1.560	1.58	NO	998.90	998.90

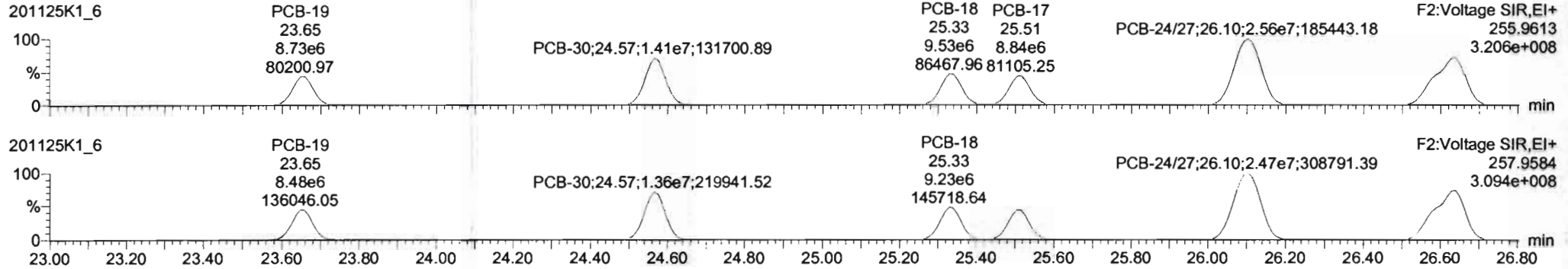


Dataset: Untitled

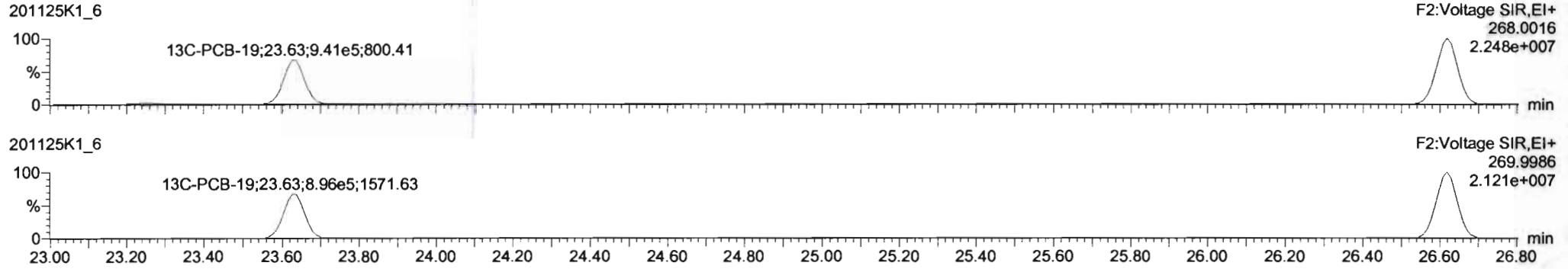
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_6, Date: 25-Nov-2020, Time: 14:49:20, ID: ST201125K1-6 PCB 209 CS5 20J1219, Description: PCB 209 CS5 20J1219

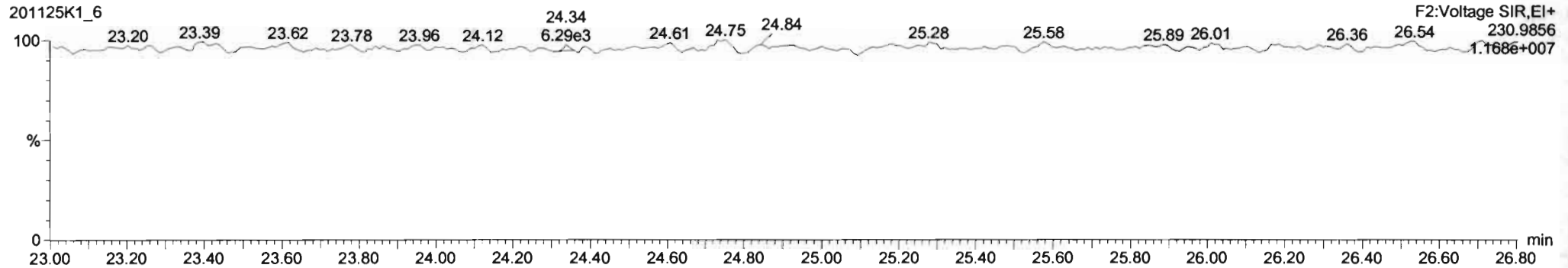
**PCB-19**



**13C-PCB-19**



**PFK2b**



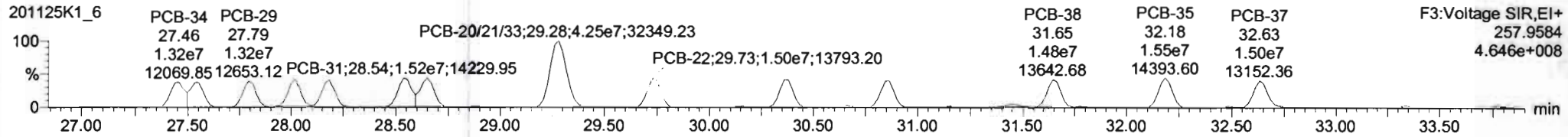
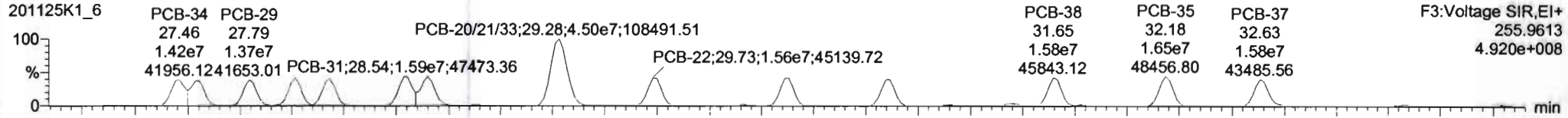


Dataset: Untitled

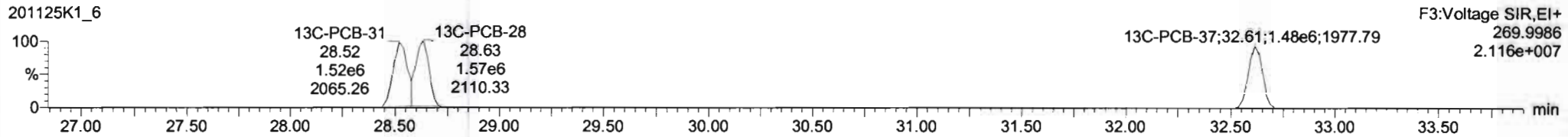
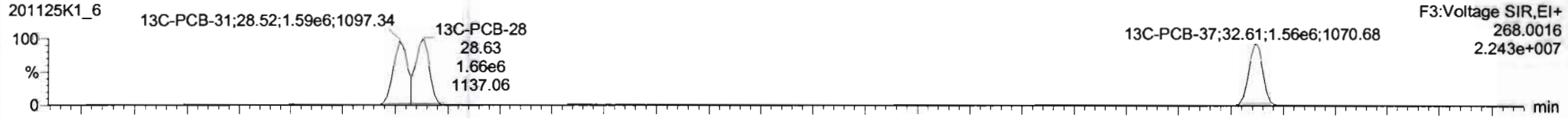
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_6, Date: 25-Nov-2020, Time: 14:49:20, ID: ST201125K1-6 PCB 209 CS5 20J1219, Description: PCB 209 CS5 20J1219

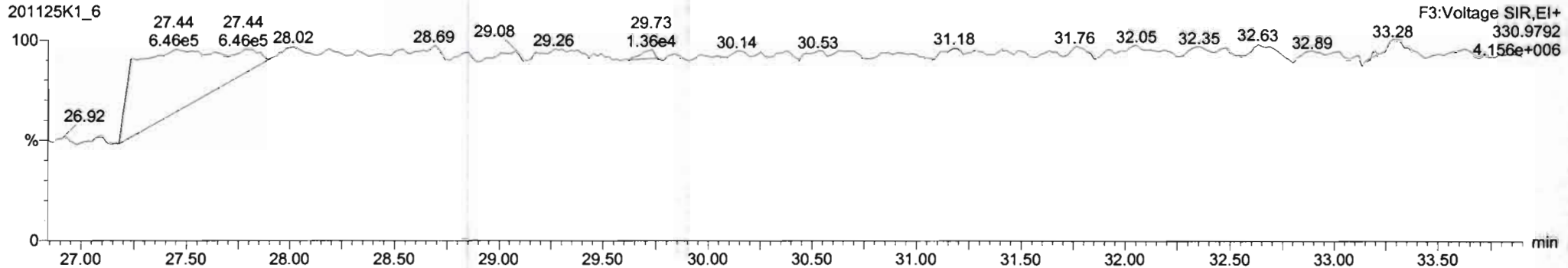
**PCB-34**

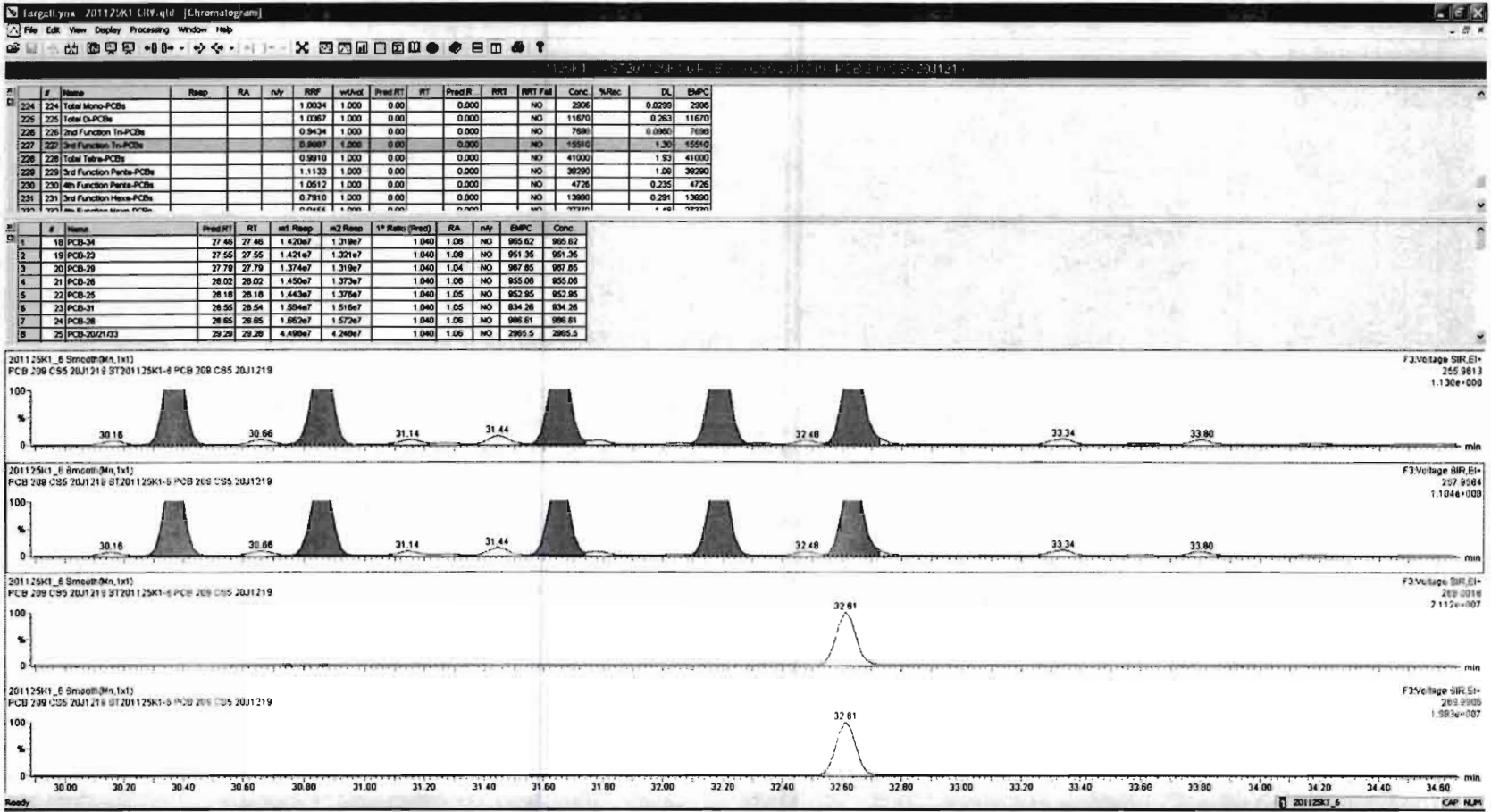


**13C-PCB-28**



**PFK3d**





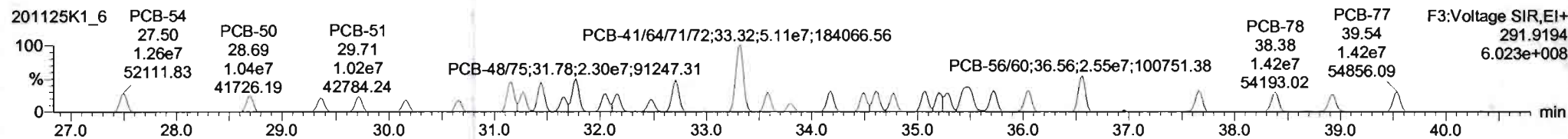
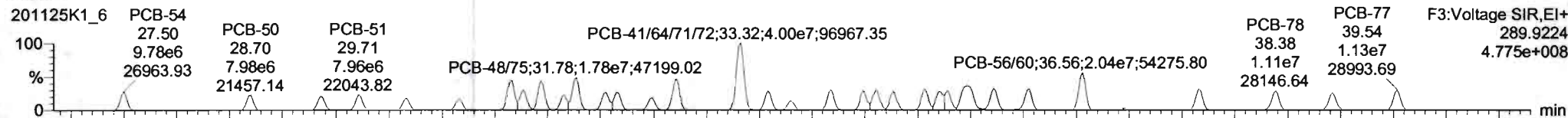
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

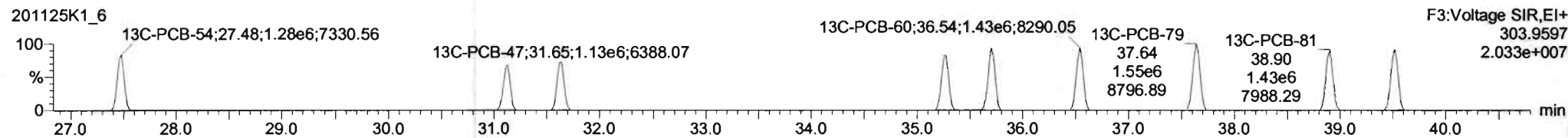
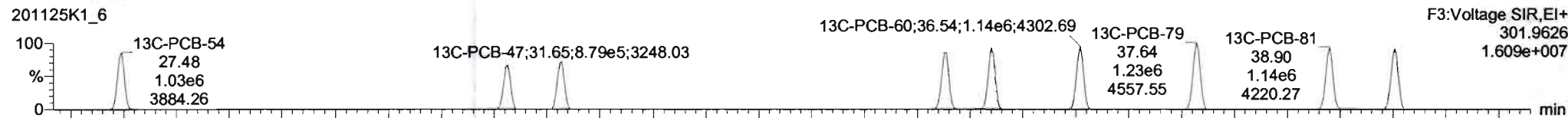
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_6, Date: 25-Nov-2020, Time: 14:49:20, ID: ST201125K1-6 PCB 209 CS5 20J1219, Description: PCB 209 CS5 20J1219

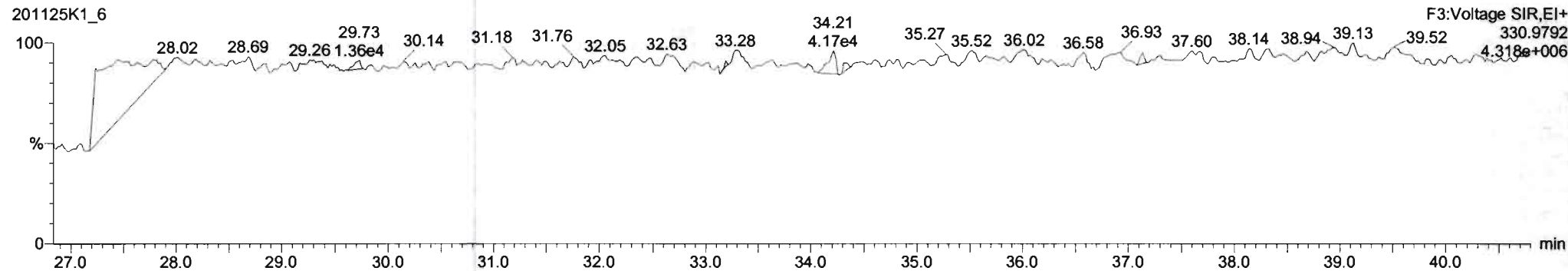
**PCB-54**



**13C-PCB-54**



**PFK3a**





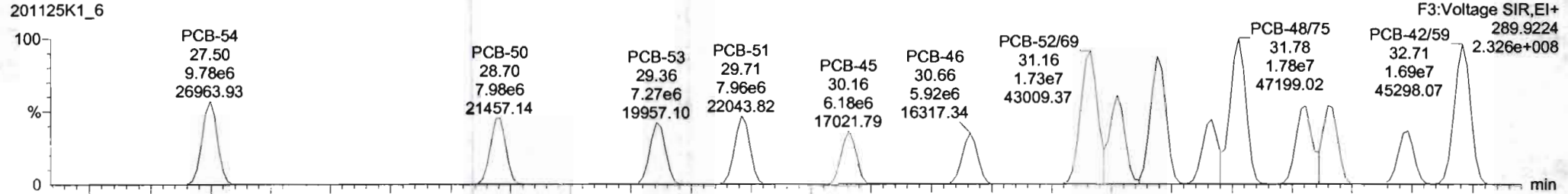
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

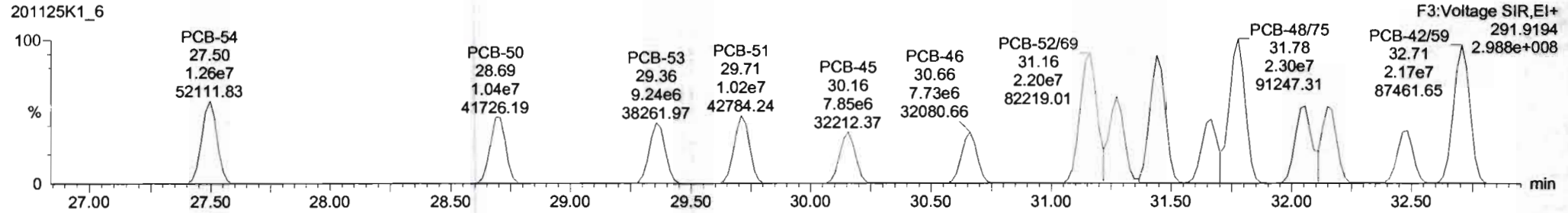
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PCB-50

201125K1\_6

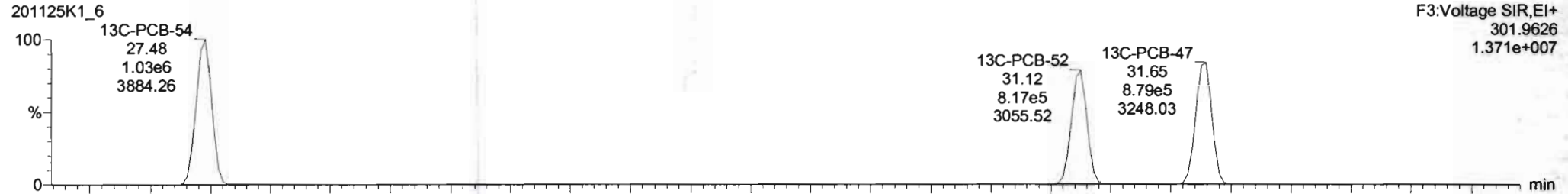


201125K1\_6

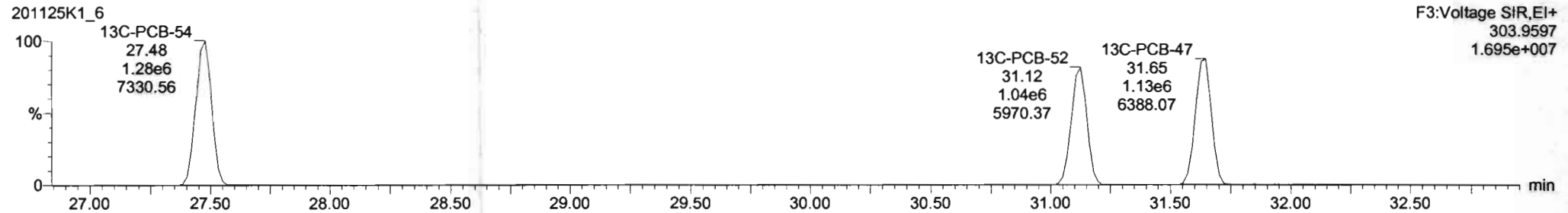


13C-PCB-52

201125K1\_6



201125K1\_6



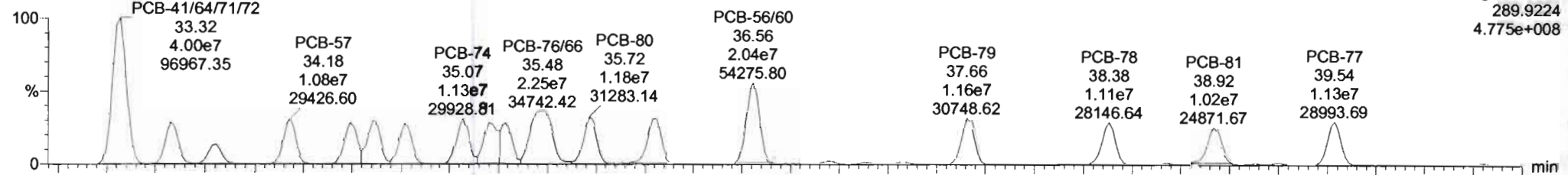
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_6, Date: 25-Nov-2020, Time: 14:49:20, ID: ST201125K1-6 PCB 209 CS5 20J1219, Description: PCB 209 CS5 20J1219

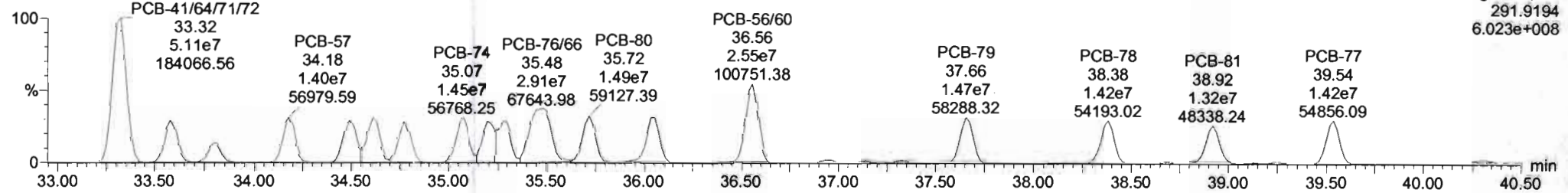
PCB-68

201125K1\_6



F3:Voltage SIR,EI+  
289.9224  
4.775e+008

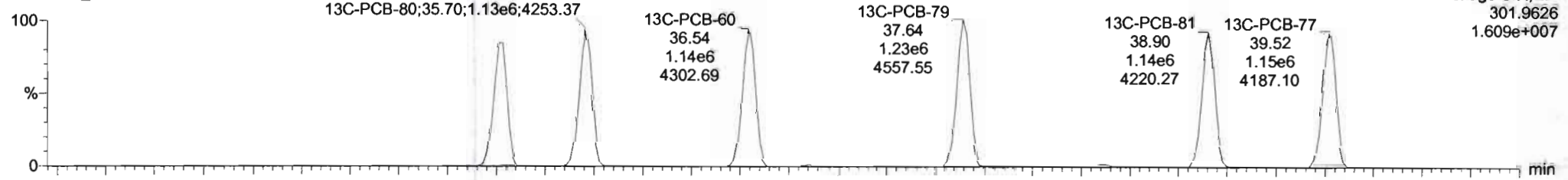
201125K1\_6



F3:Voltage SIR,EI+  
291.9194  
6.023e+008

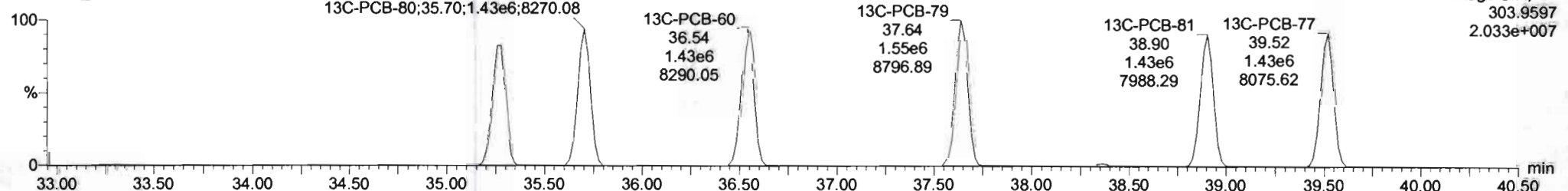
13C-PCB-60

201125K1\_6



F3:Voltage SIR,EI+  
301.9626  
1.609e+007

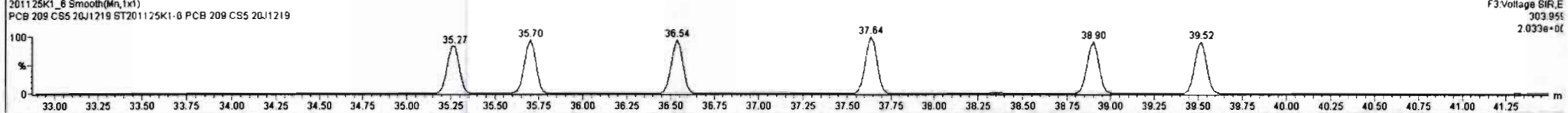
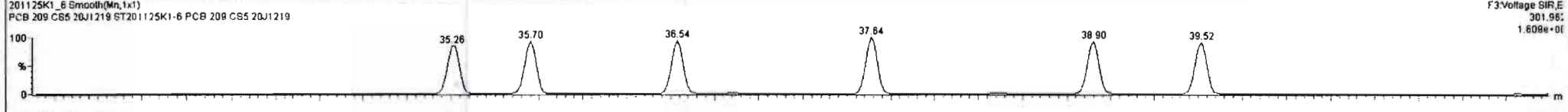
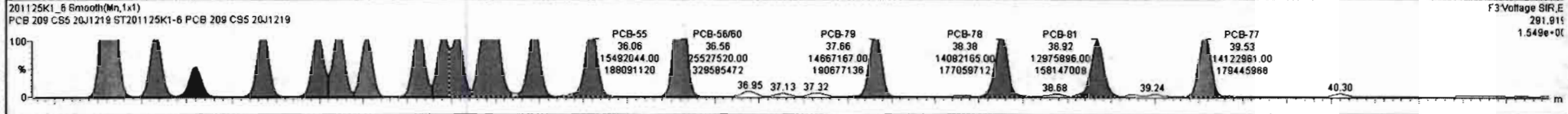
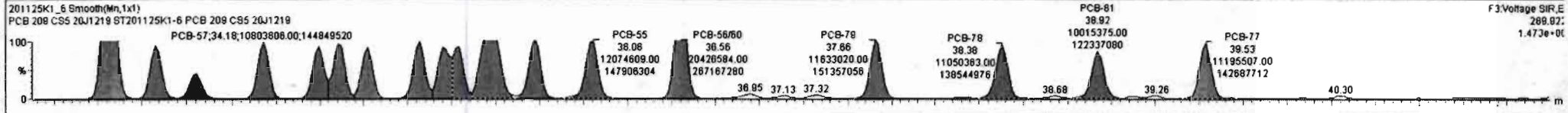
201125K1\_6



F3:Voltage SIR,EI+  
303.9597  
2.033e+007

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	2906		0.0299	2906
225	Total Di-PCBs				1.0367	1.000	0.00		0.000		NO	11670		0.263	11670
226	2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	7698		0.0960	7698
227	3rd Function Tri-PCBs				0.9687	1.000	0.00		0.000		NO	15510		1.30	15510
228	Total Tetra-PCBs				0.9810	1.000	0.00		0.000		NO	41000		1.93	41000
229	3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	39290		1.09	39290
230	4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	4726		0.235	4726
231	3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	13990		0.291	13990

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
32	PCB-54	27.50	27.50	9.781e6	1.262e7	0.770	0.77	NO	993.80	993.80
33	PCB-50	28.70	28.70	7.979e6	1.036e7	0.770	0.77	NO	987.58	987.58
34	PCB-53	29.38	29.38	7.271e6	9.240e6	0.770	0.79	NO	948.80	948.81
35	PCB-51	29.71	29.71	7.955e6	1.021e7	0.770	0.78	NO	978.43	978.43
36	PCB-45	30.17	30.18	6.183e6	7.849e6	0.770	0.79	NO	941.49	941.49
37	PCB-46	30.86	30.86	5.924e6	7.734e6	0.770	0.77	NO	954.58	954.58
38	PCB-52/69	31.18	31.18	1.728e7	2.204e7	0.770	0.78	NO	1956.5	1956.5
39	PCB-73	31.27	31.27	1.069e7	1.352e7	0.770	0.79	NO	997.95	997.95



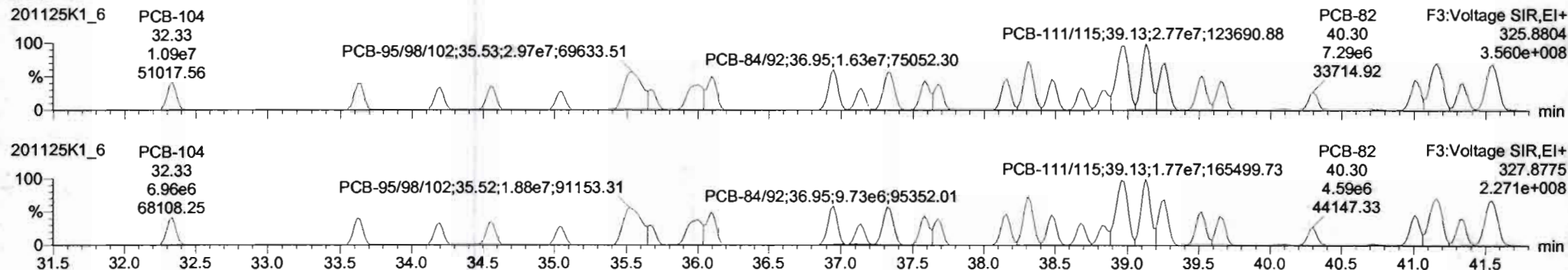


Dataset: Untitled

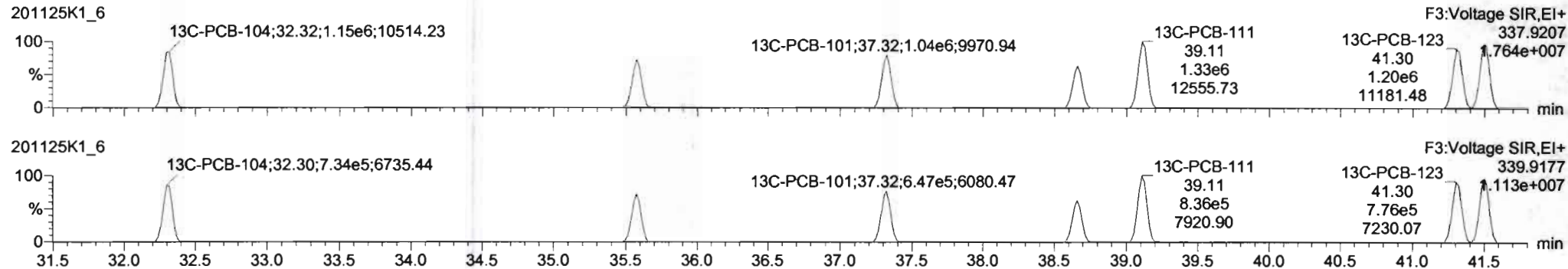
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_6, Date: 25-Nov-2020, Time: 14:49:20, ID: ST201125K1-6 PCB 209 CS5 20J1219, Description: PCB 209 CS5 20J1219

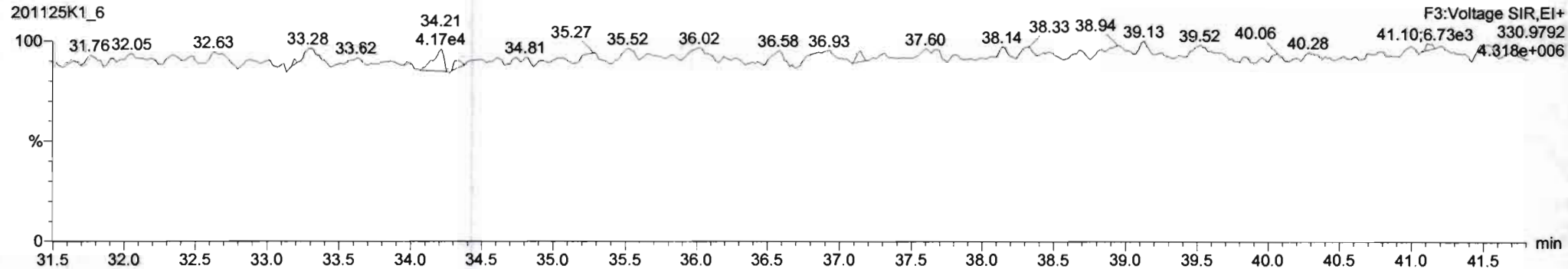
**PCB-104**



**13C-PCB-104**



**PFK3b**



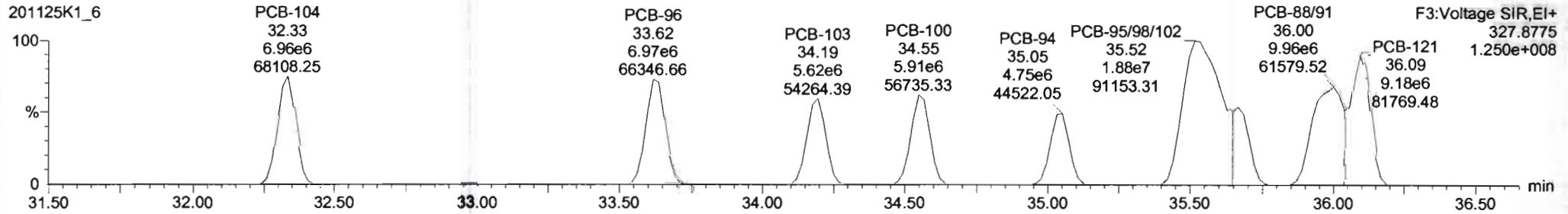
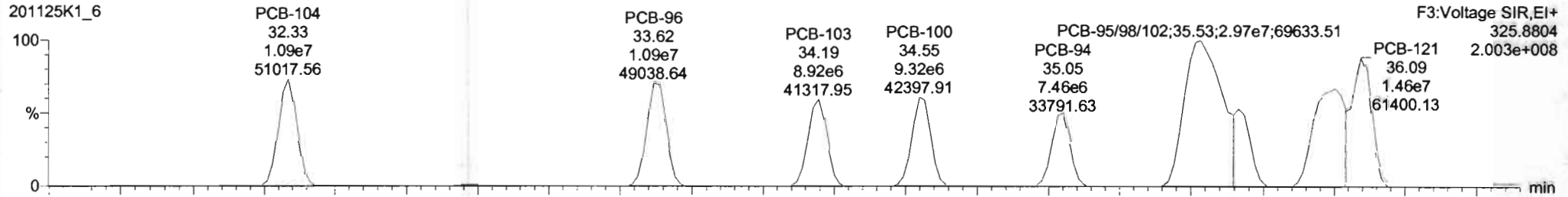
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

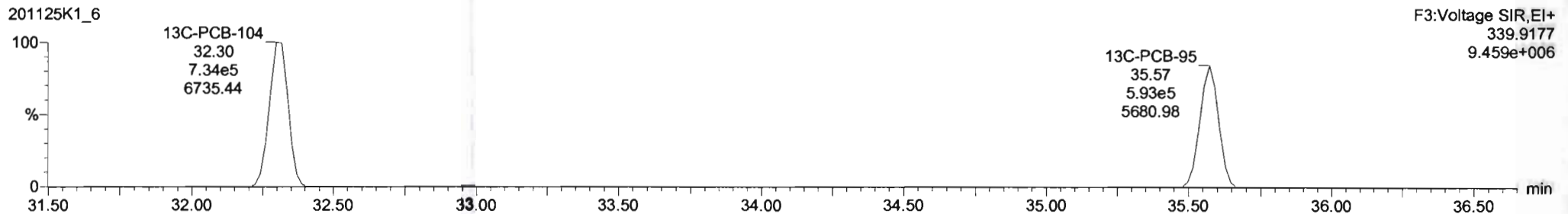
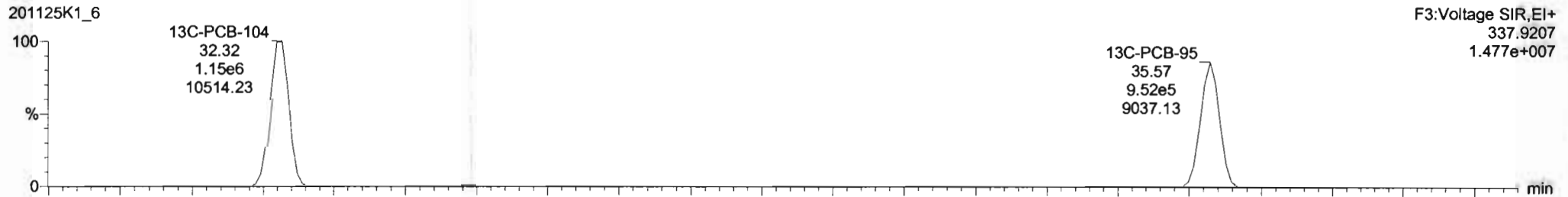
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_6, Date: 25-Nov-2020, Time: 14:49:20, ID: ST201125K1-6 PCB 209 CS5 20J1219, Description: PCB 209 CS5 20J1219

**PCB-96**



**13C-PCB-95**

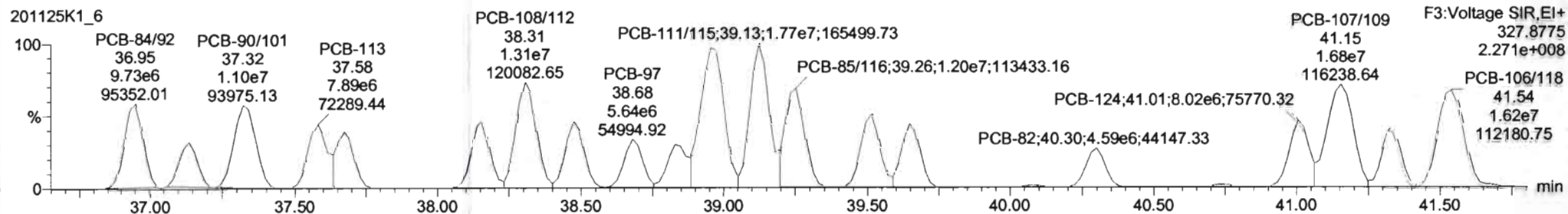
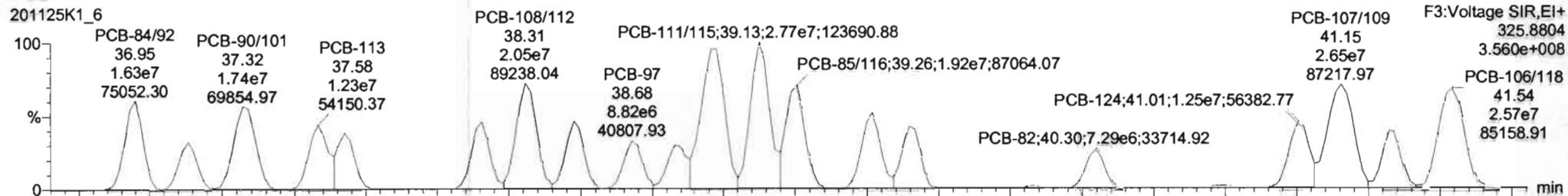


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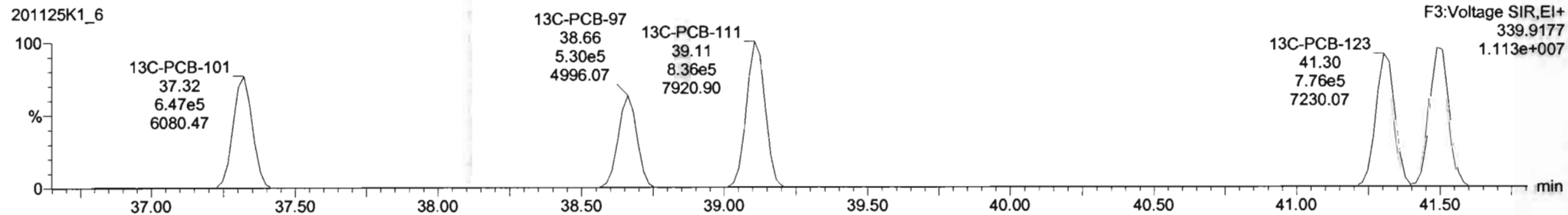
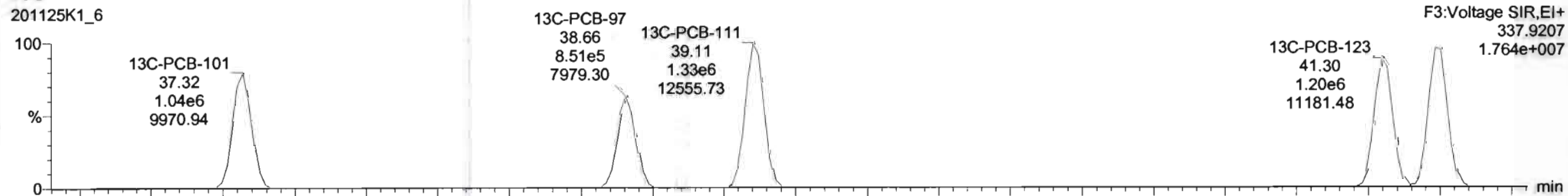
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_6, Date: 25-Nov-2020, Time: 14:49:20, ID: ST201125K1-6 PCB 209 CS5 20J1219, Description: PCB 209 CS5 20J1219

PCB-119

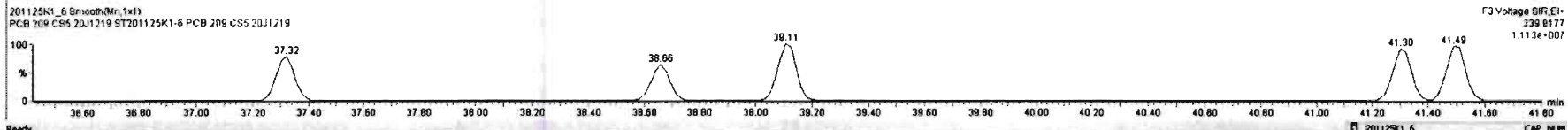
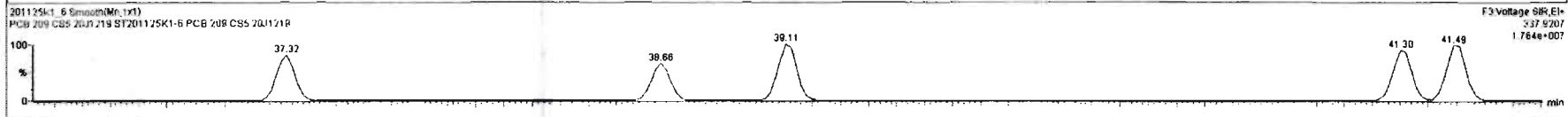
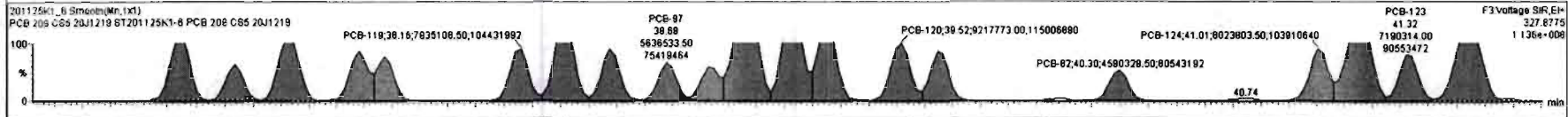
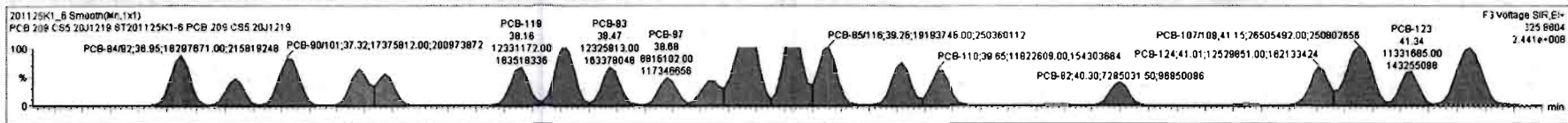


13C-PCB-111



#	Name	Resp	RA	nly	RRF	wtWet	Pred.RT	RT	Pred.R	RRT	RRT.Fall	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs				1.0034	1.000	0.00	0.000	0.000		NO	2908	0.0298	2906	
225	Total Di-PCBs				1.0367	1.000	0.00	0.000	0.000		NO	11670	0.263	11670	
226	2nd Function Tri-PCBs				0.9434	1.000	0.00	0.000	0.000		NO	7698	0.0960	7698	
227	3rd Function Tri-PCBs				0.9687	1.000	0.00	0.000	0.000		NO	15510	1.30	15510	
228	Total Tetra-PCBs				0.9910	1.000	0.00	0.000	0.000		NO	41000	1.83	41000	
229	3rd Function Penta-PCBs				1.1133	1.000	0.00	0.000	0.000		NO	30290	1.00	30290	
230	4th Function Penta-PCBs				1.0512	1.000	0.00	0.000	0.000		NO	4726	0.235	4726	
231	3rd Function Hexa-PCBs				0.7910	1.000	0.00	0.000	0.000		NO	13980	0.291	13980	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	nly	EMPC	Conc.
1	64 PCB-104	32.33	32.33	1.094e7	8.955e6	1.560	1.57	NO	965.79	965.79
2	65 PCB-96	33.63	33.62	1.094e7	8.957e6	1.560	1.57	NO	964.99	964.99
3	66 PCB-103	34.19	34.19	8.918e6	5.622e6	1.560	1.58	NO	1000.5	1000.5
4	67 PCB-100	34.56	34.55	8.322e6	5.906e6	1.560	1.58	NO	1002.1	1002.1
5	68 PCB-94	35.05	35.05	7.462e6	4.750e6	1.560	1.57	NO	951.83	951.83
6	69 PCB-85/96/102	35.52	35.53	2.970e7	1.877e7	1.560	1.58	NO	2930.6	2930.6
7	70 PCB-83	35.87	35.87	6.674e6	4.149e6	1.590	1.81	NO	820.18	820.19
8	71 PCB-86/91	36.00	36.00	1.590e7	9.957e6	1.590	1.57	NO	1817.4	1817.4





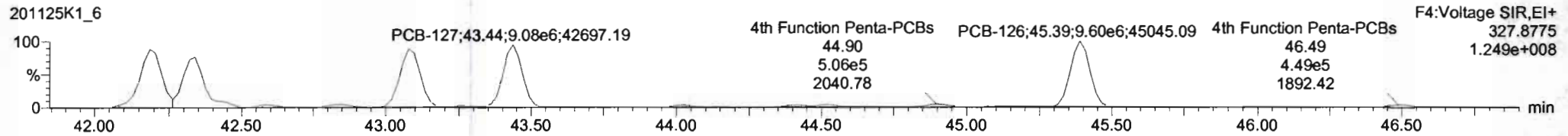
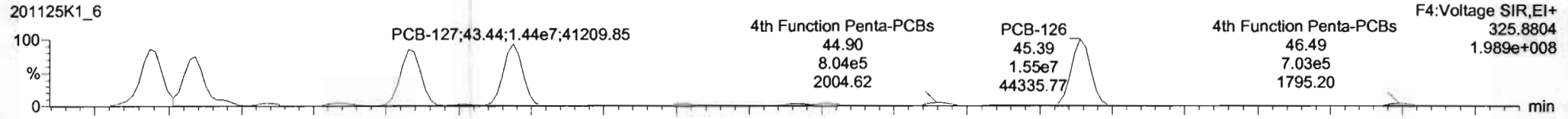
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

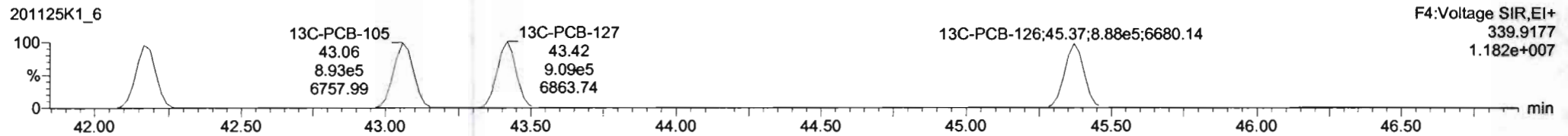
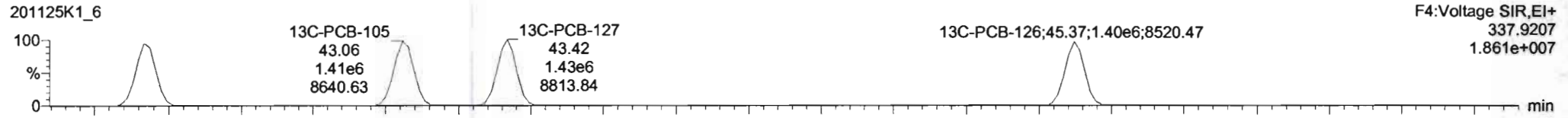
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Name: 201125K1\_6, Date: 25-Nov-2020, Time: 14:49:20, ID: ST201125K1-6 PCB 209 CS5 20J1219, Description: PCB 209 CS5 20J1219

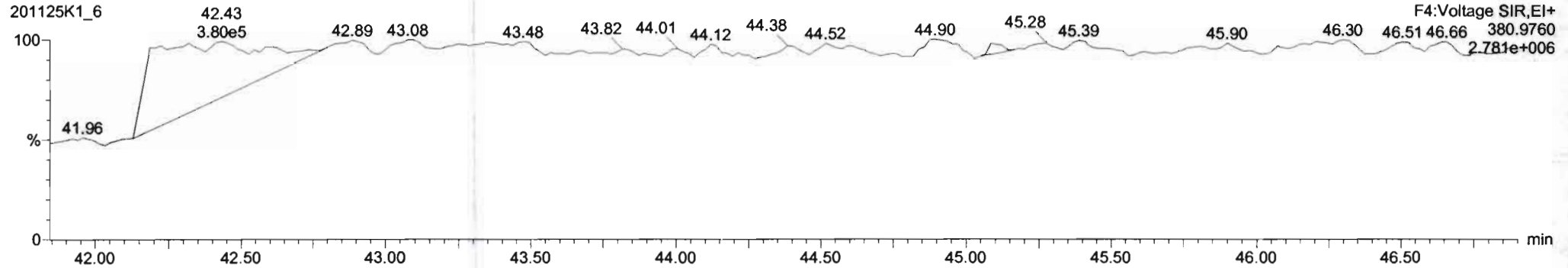
**PCB-114**



**13C-PCB-114**



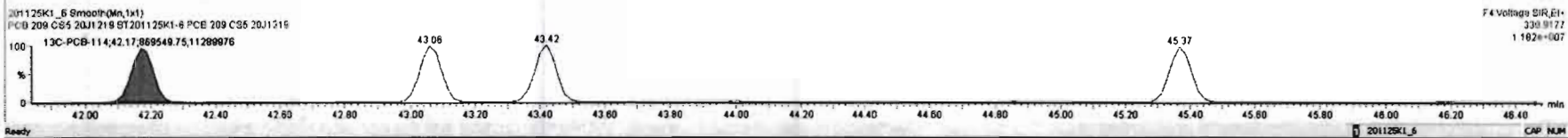
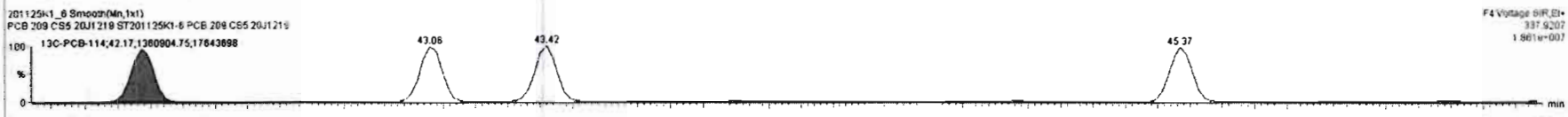
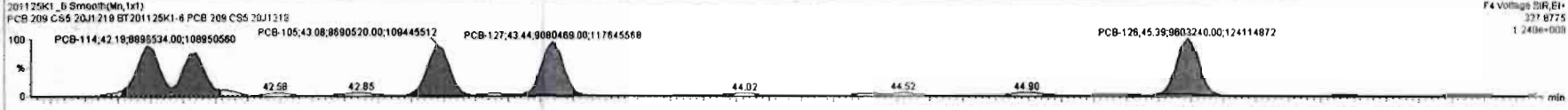
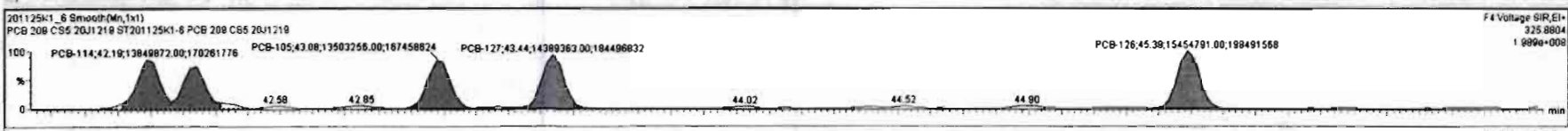
**PFK4a**





#	Name	Resp	RA	n/y	RR	wt/Vol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc	%Rec	Dt	EMPC
224	224 Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	2906		0.0299	2906
225	225 Total Di-PCBs				1.0067	1.000	0.00		0.000		NO	11670		0.263	11670
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	7698		0.0960	7698
227	227 3rd Function Tri-PCBs				0.9687	1.000	0.00		0.000		NO	15510		1.30	15510
228	228 Total Tetra-PCBs				0.9910	1.000	0.00		0.000		NO	41000		1.93	41000
229	229 3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	39290		1.09	39290
230	230 4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	4726		0.236	4726
231	231 3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	13990		0.291	13990

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Cruc
1	93 PCB-114	42.19	42.19	1.365e7	8.807e6	1.560	1.56	NO	940.84	940.84
2	94 PCB-122	42.34	42.34	1.190e7	7.609e6	1.560	1.56	NO	947.76	947.76
3	95 PCB-105	43.08	43.08	1.350e7	8.691e6	1.550	1.55	NO	932.52	932.52
4	96 PCB-127	43.44	43.44	1.439e7	9.000e6	1.560	1.56	NO	951.49	951.49
5	97 PCB-126	45.39	45.39	1.545e7	9.603e6	1.560	1.61	NO	952.93	952.93



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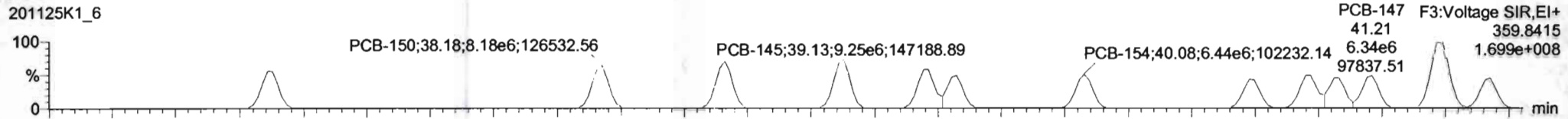
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

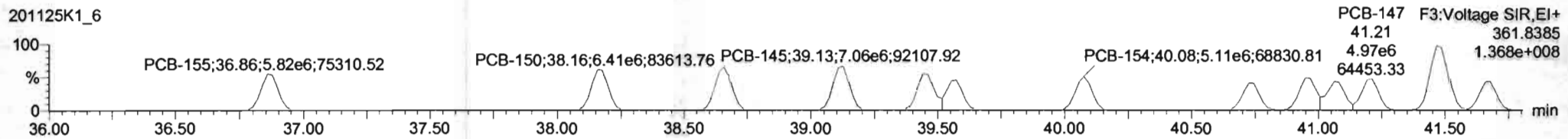
Name: 201125K1\_6, Date: 25-Nov-2020, Time: 14:49:20, ID: ST201125K1-6 PCB 209 CS5 20J1219, Description: PCB 209 CS5 20J1219

**PCB-155**

201125K1\_6

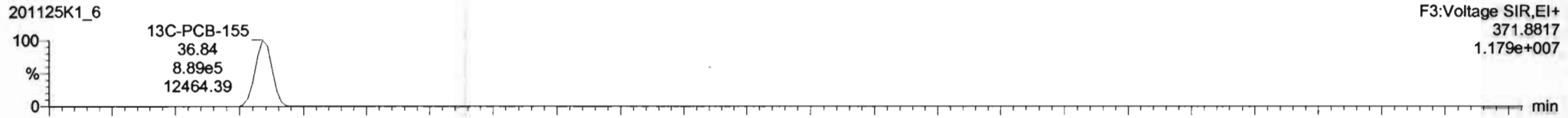


201125K1\_6

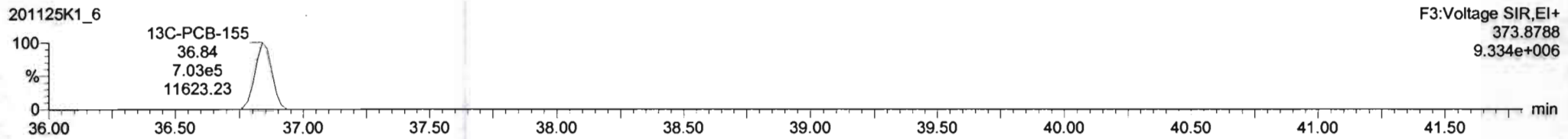


**13C-PCB-155**

201125K1\_6

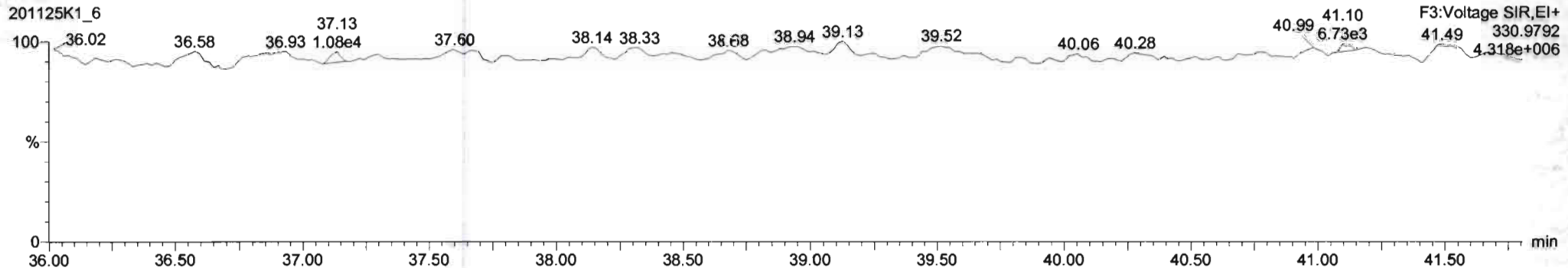


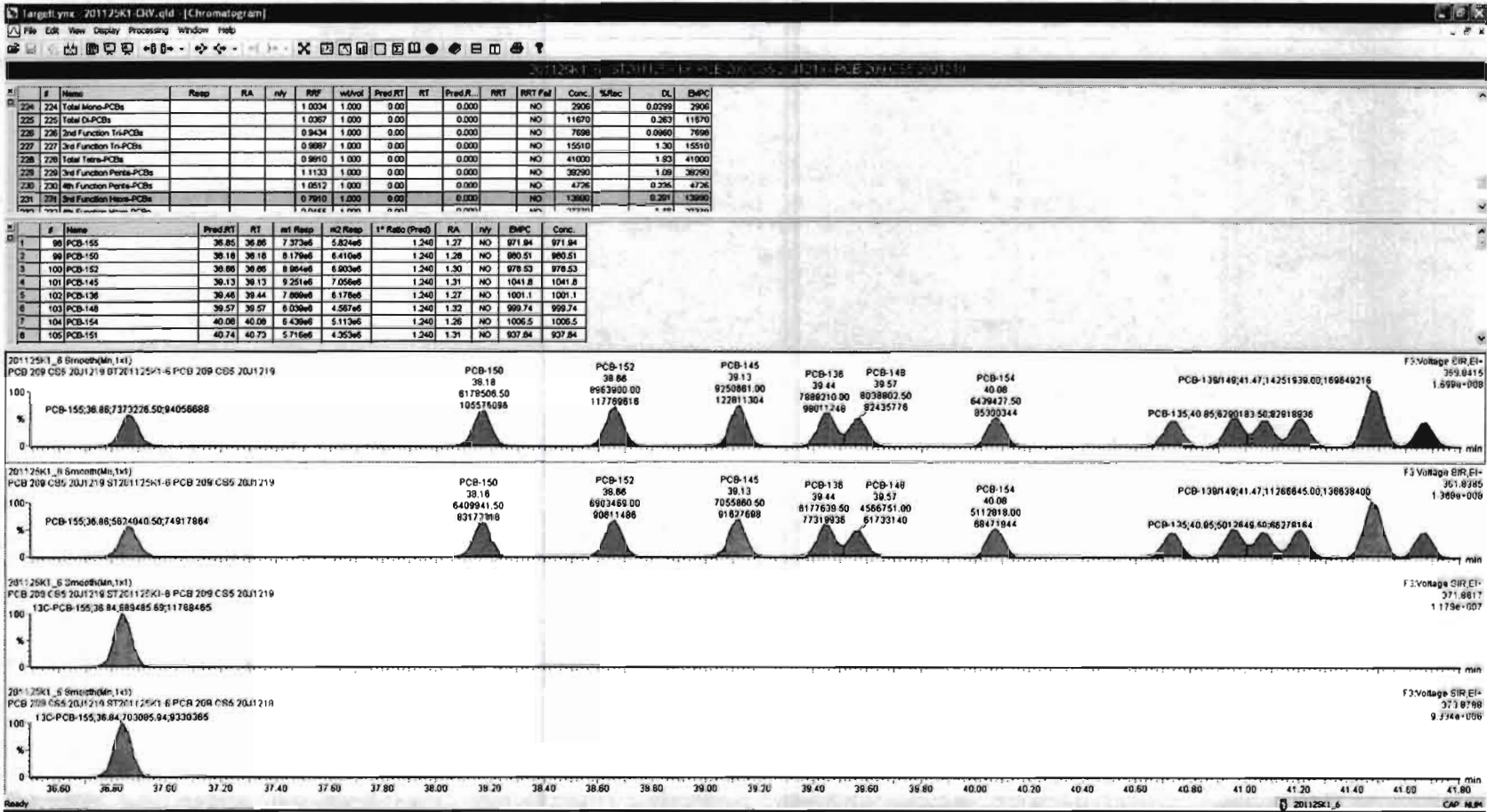
201125K1\_6



**PFK3c**

201125K1\_6





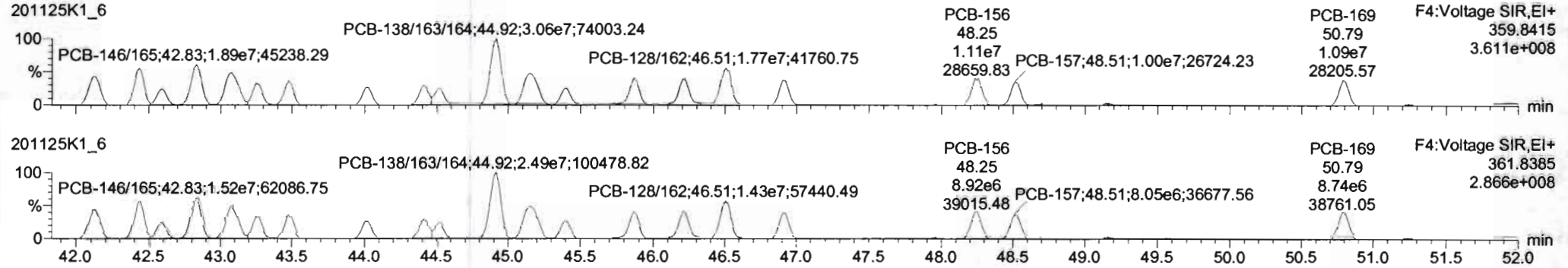
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

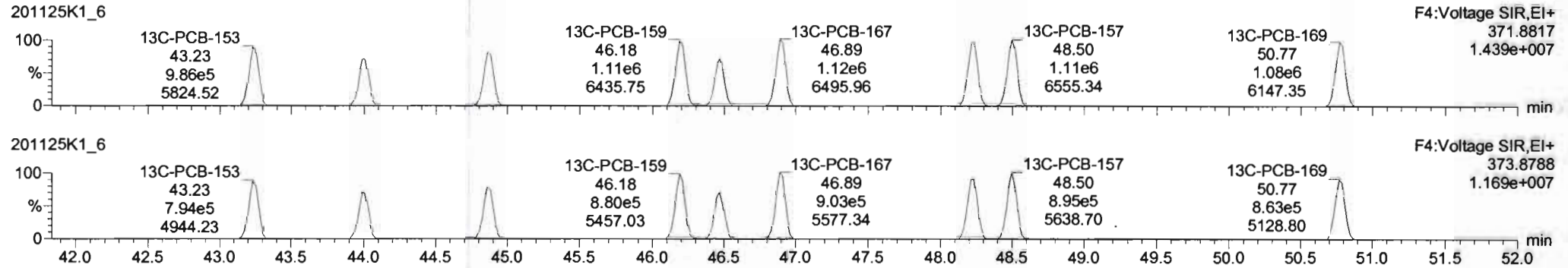
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Name: 201125K1\_6, Date: 25-Nov-2020, Time: 14:49:20, ID: ST201125K1-6 PCB 209 CS5 20J1219, Description: PCB 209 CS5 20J1219

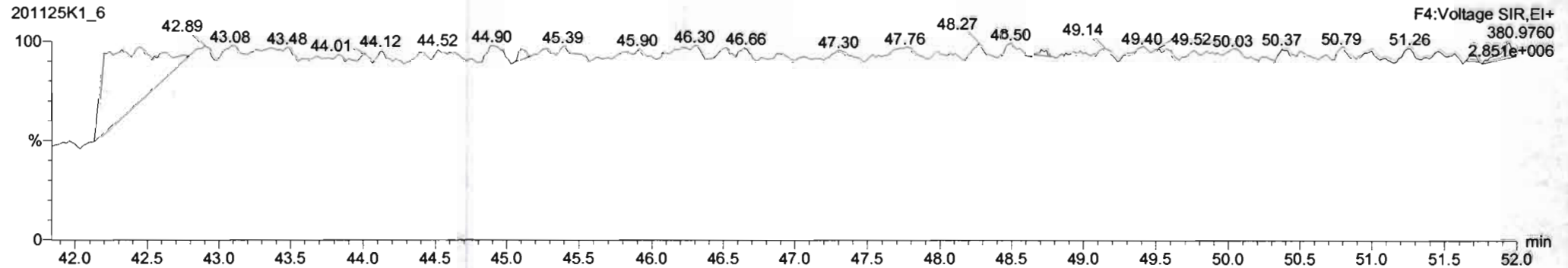
**PCB-134/143**



**13C-PCB-153**



**PFK4b**







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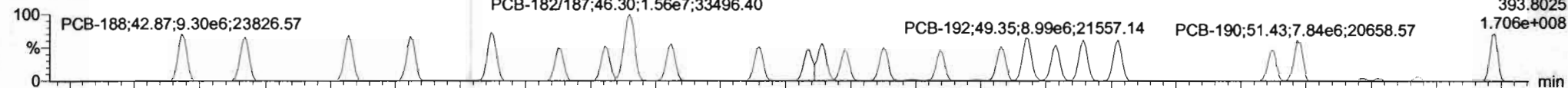
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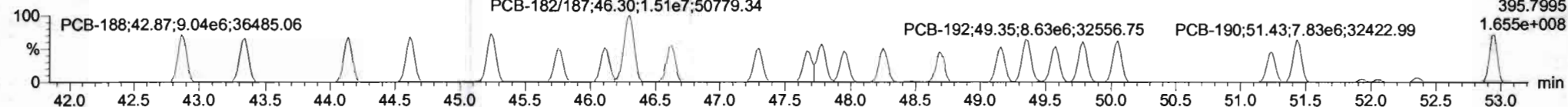
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### PCB-188

201125K1\_6

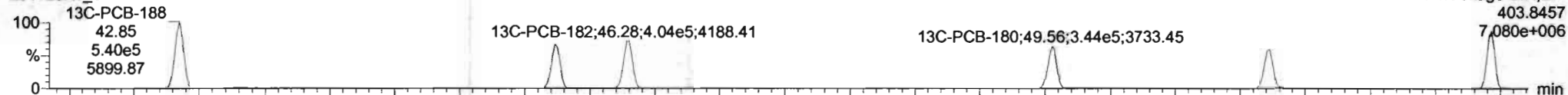


201125K1\_6

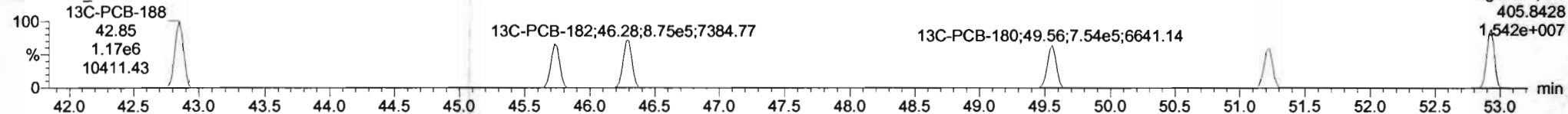


### 13C-PCB-188

201125K1\_6

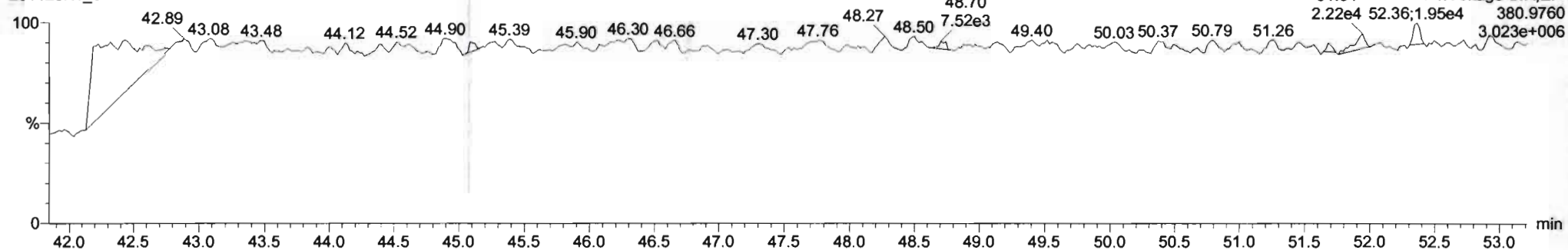


201125K1\_6



### PFK4c

201125K1\_6

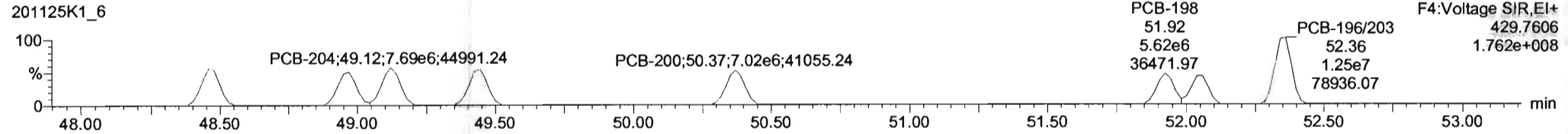
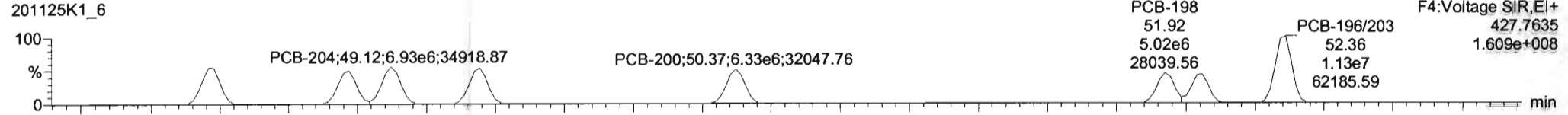


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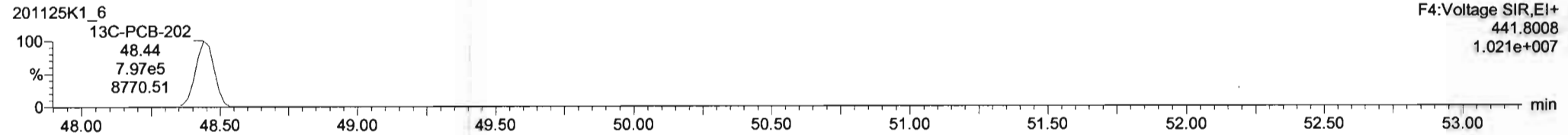
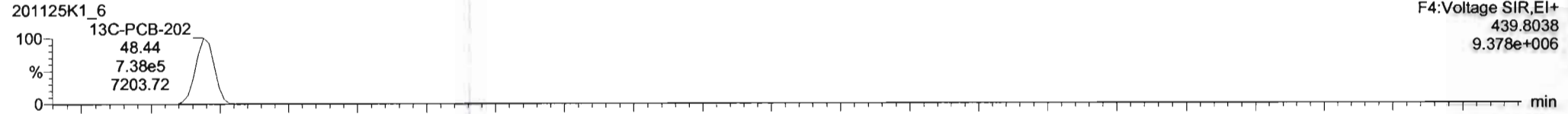
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

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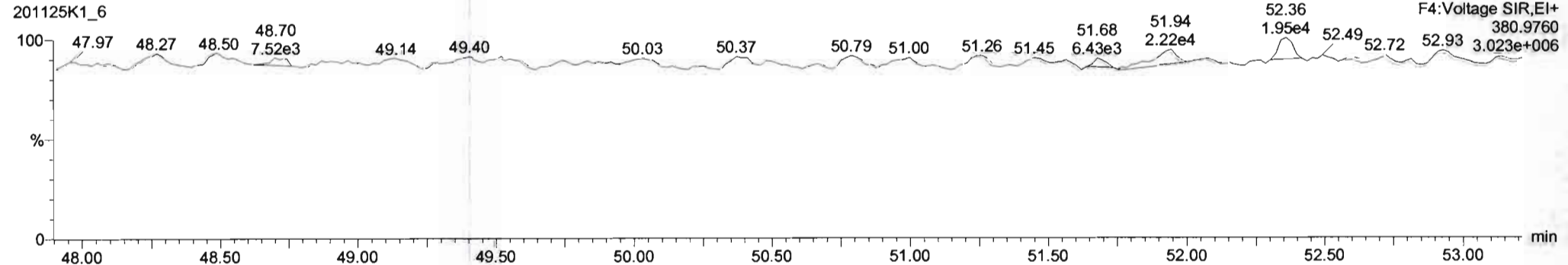
**PCB-202**



**13C-PCB-202**



**PFK4d**



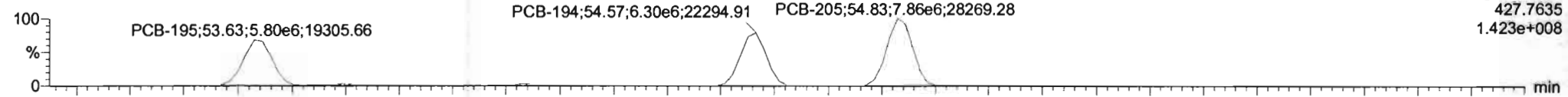
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

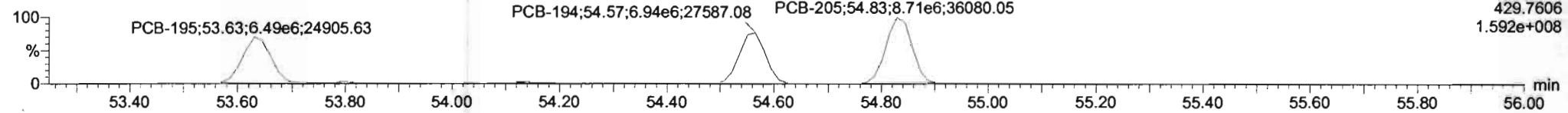
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**PCB-195**

201125K1\_6

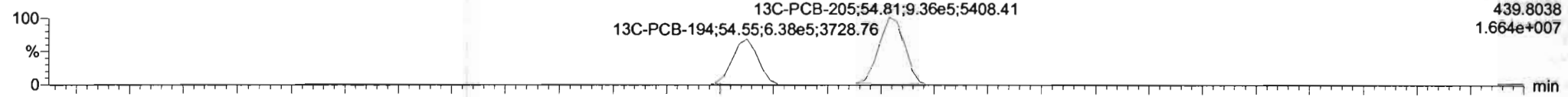


201125K1\_6

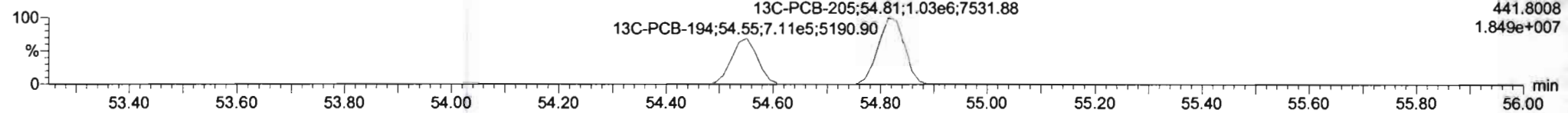


**13C-PCB-194**

201125K1\_6

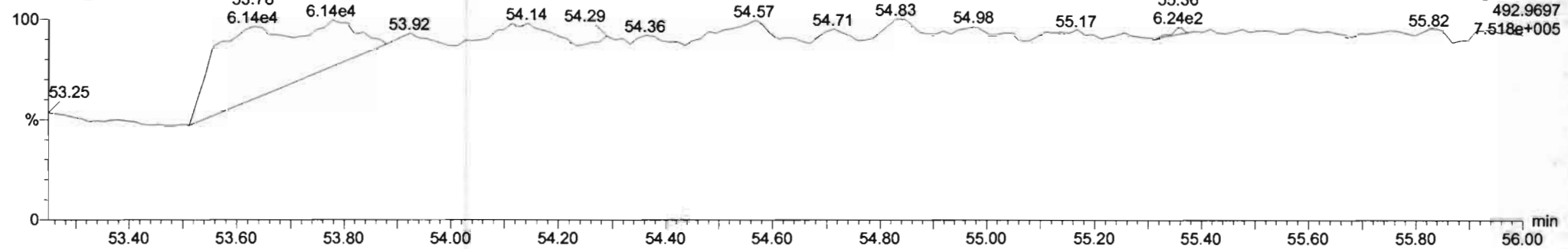


201125K1\_6



**PFK5a**

201125K1\_6





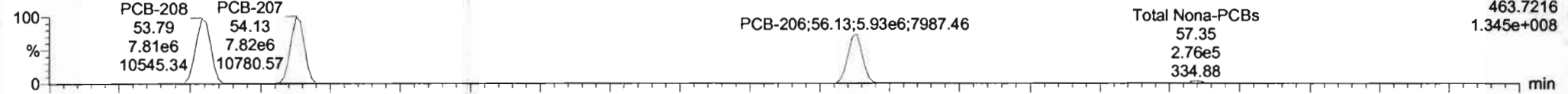
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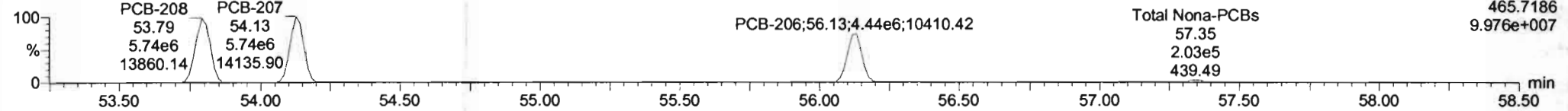
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**PCB-208**

201125K1\_6

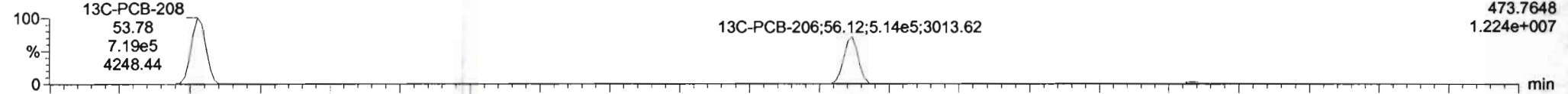


201125K1\_6

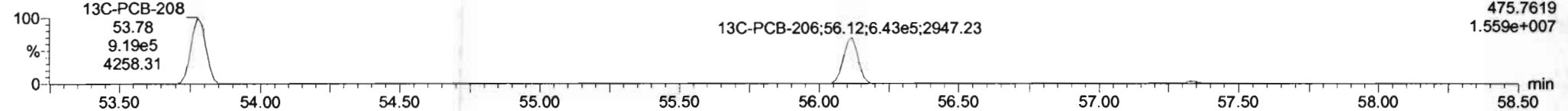


**13C-PCB-208**

201125K1\_6

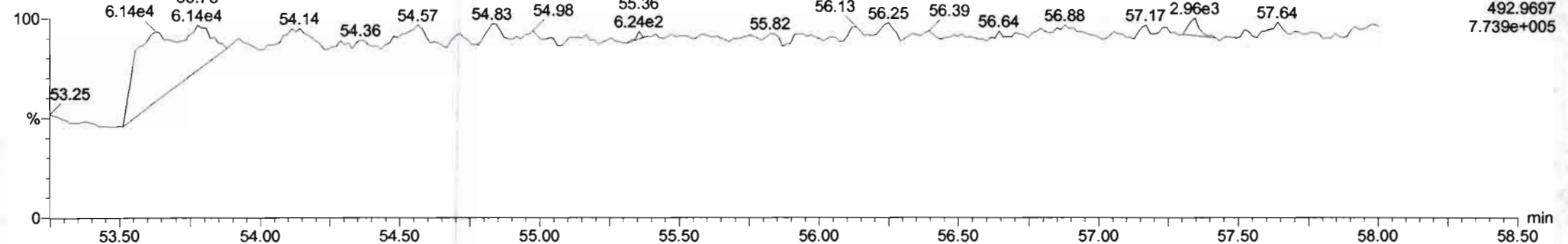


201125K1\_6



**PFK5**

201125K1\_6



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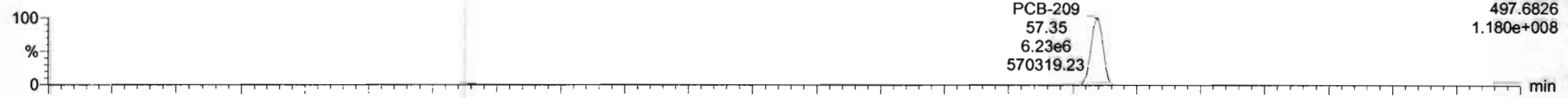
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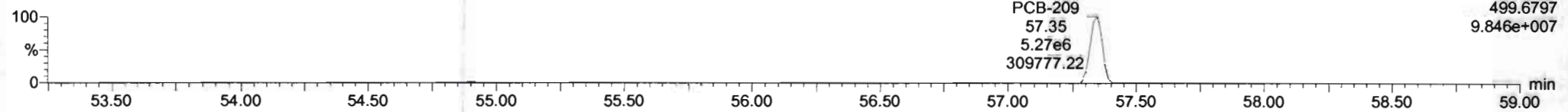
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**PCB-209**

201125K1\_6

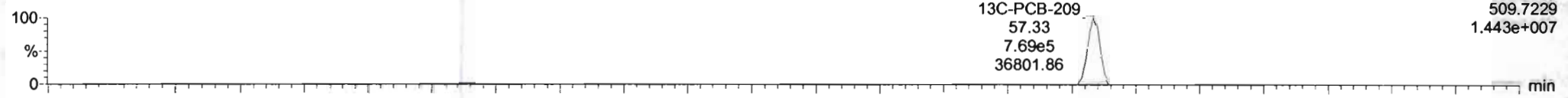


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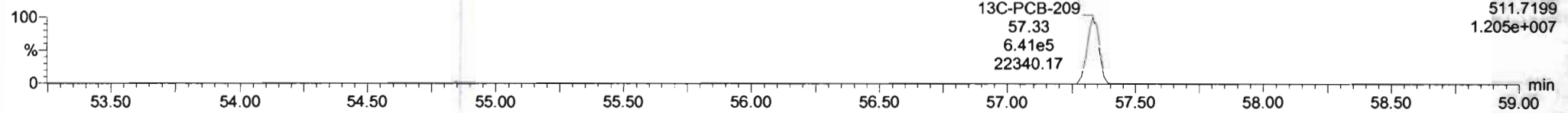


**13C-PCB-209**

201125K1\_6

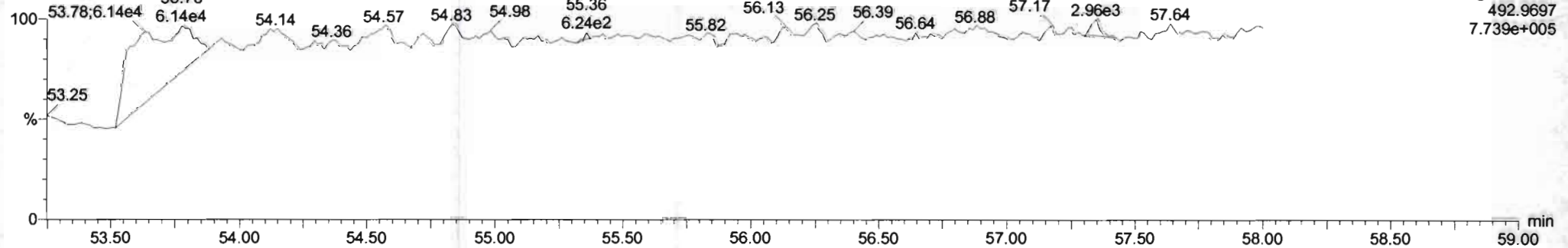


201125K1\_6

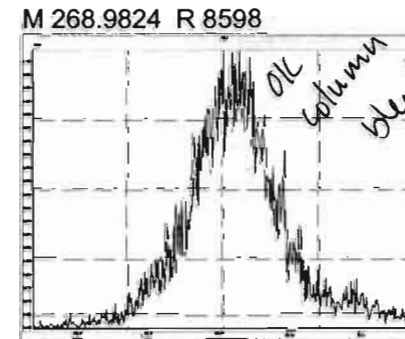
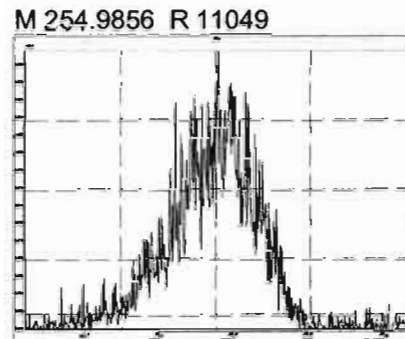
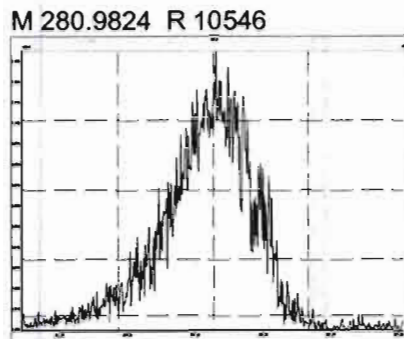
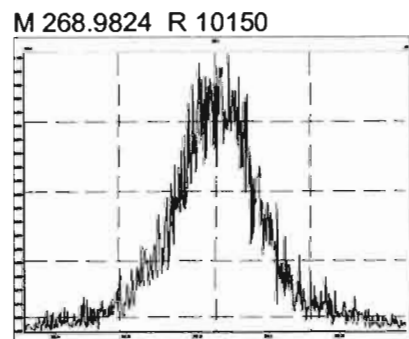
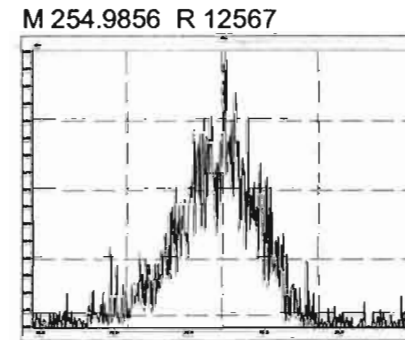
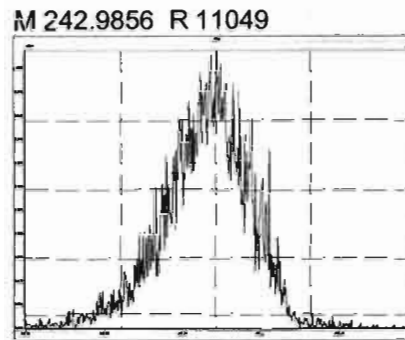
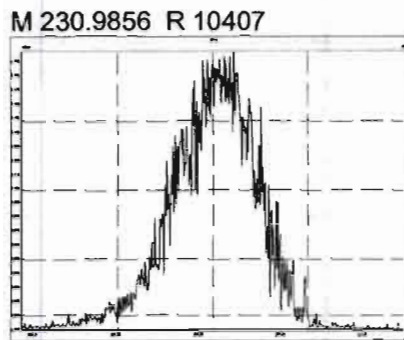
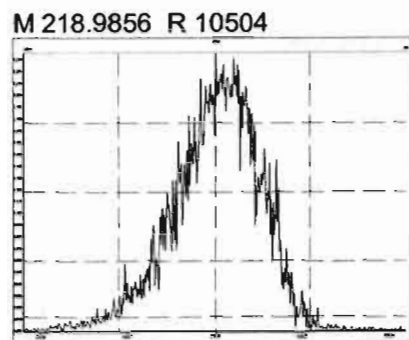
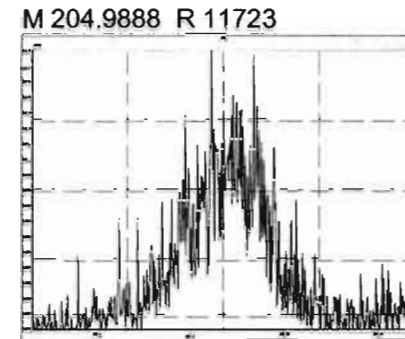
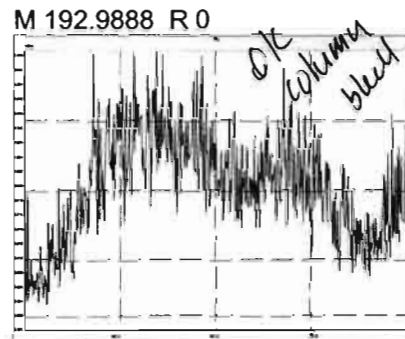
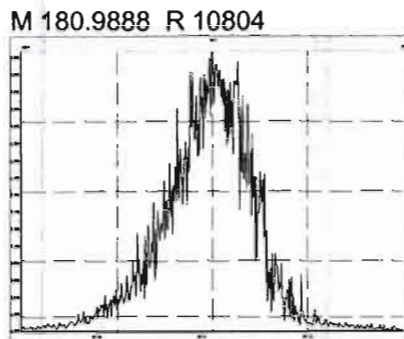
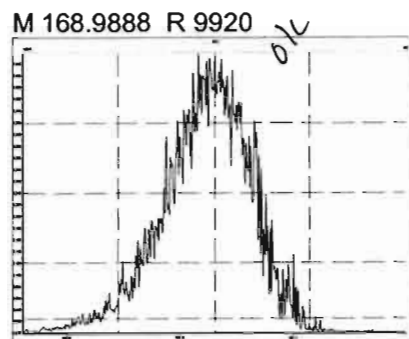


**PFK5b**

201125K1\_6

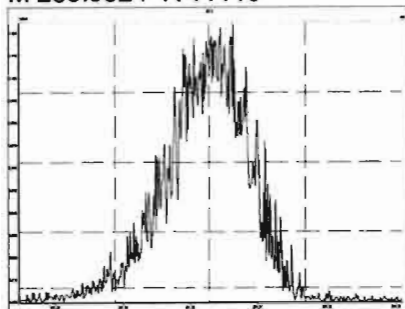


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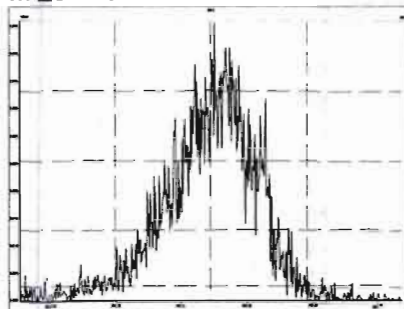


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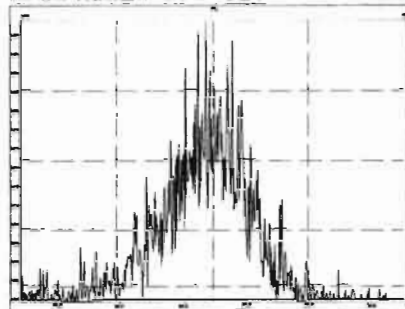
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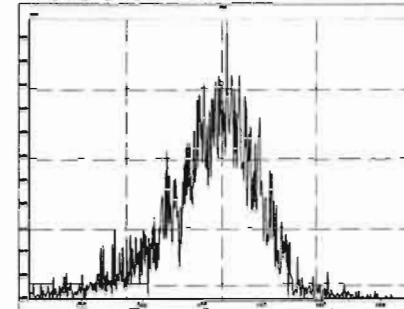
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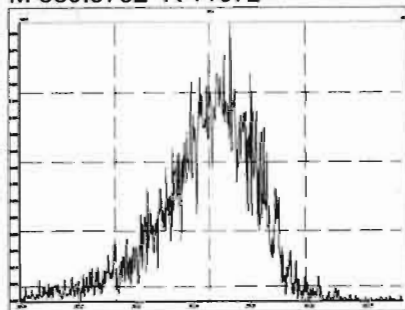
M 304.9824 R 14621



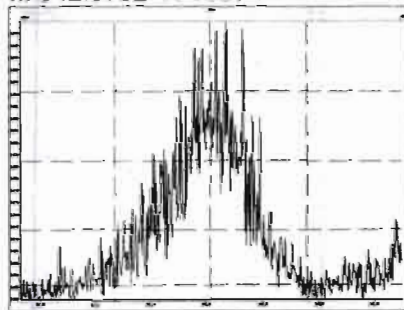
M 318.9792 R 12218



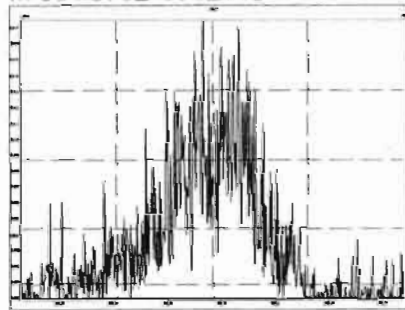
M 330.9792 R 11072



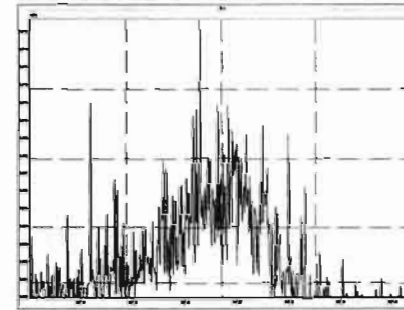
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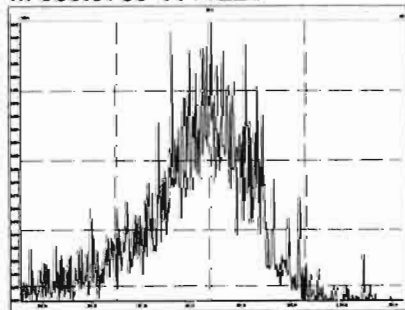
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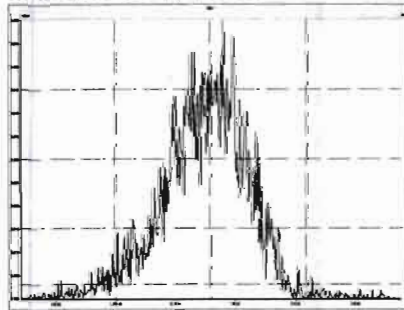
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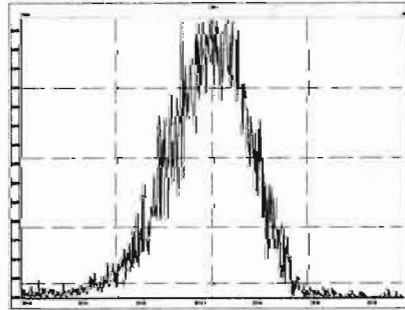
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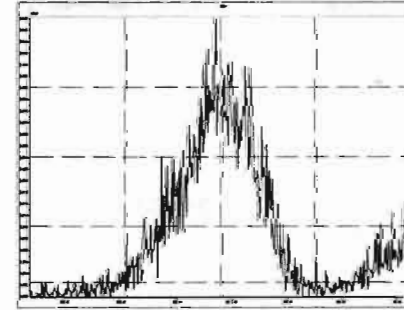
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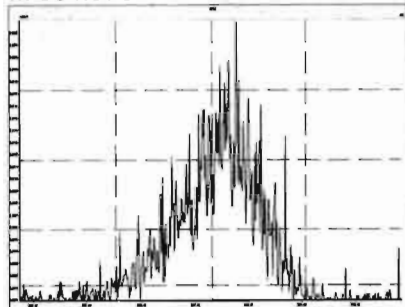
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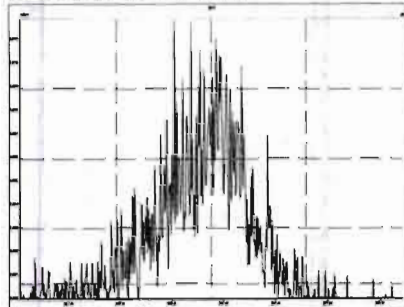


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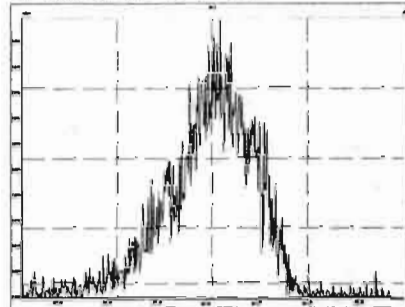
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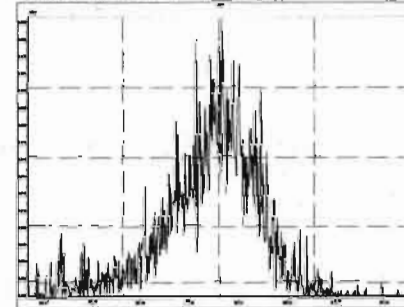
M 366.9792 R 16637



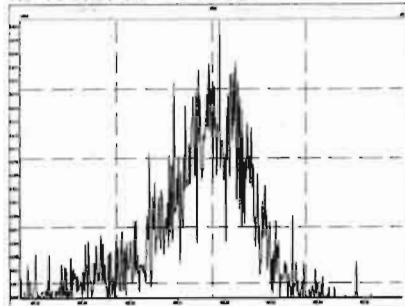
M 380.9760 R 11192



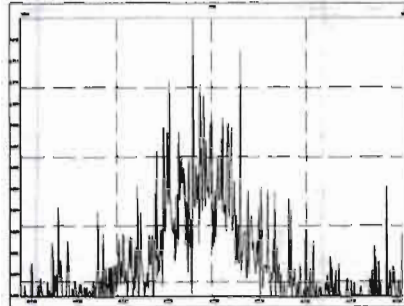
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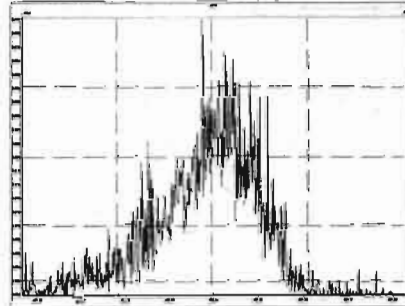
M 404.9760 R 13487



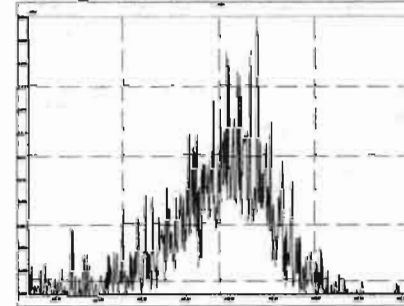
M 416.9760 R 26388



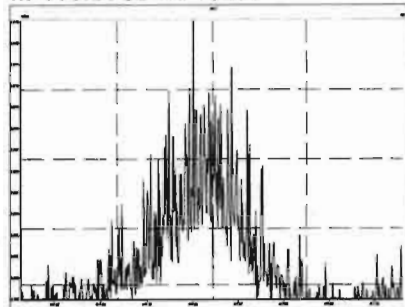
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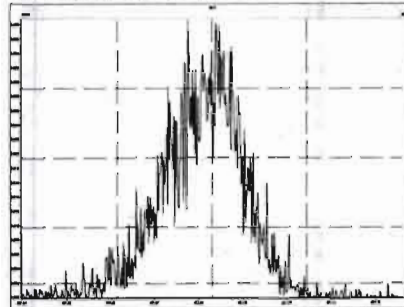
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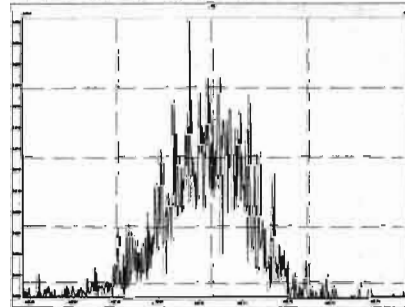
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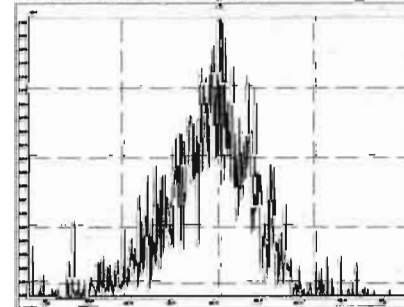
M 430.9728 R 11700



M 442.9728 R 12427

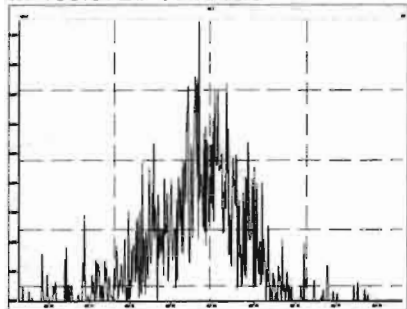


M 454.9728 R 13815

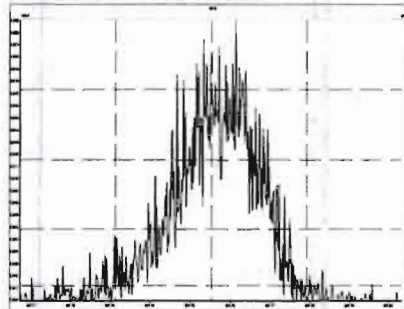


Printed: Thursday, November 26, 2020 01:11:04 Pacific Standard Time

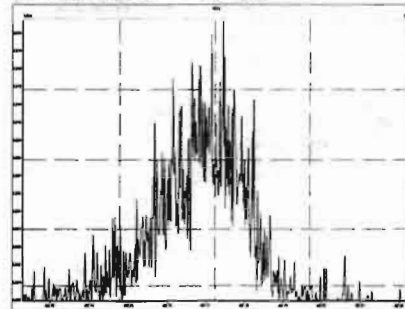
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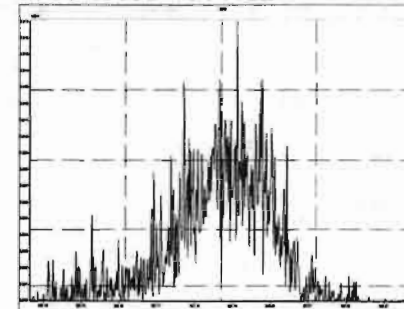
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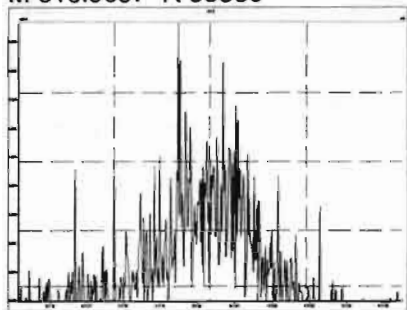
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M 504.9696 R 14102



M 516.9697 R 35353



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Last Altered: Thursday, November 26, 2020 08:15:17 Pacific Standard Time  
Printed: Thursday, November 26, 2020 08:15:28 Pacific Standard Time

*HC 11-26-2020*

*GRB 11/26/2020*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_11-24-20.mdb 25 Nov 2020 08:43:46  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	3.26e6	3.18	NO	0.986	1.000	15.43	15.44	1.001	1.001	NO	110.5	70-130	0.00665	110.5
2	2 PCB-2			NO	1.02	1.000	17.83		0.988		YES			0.00680	
3	3 PCB-3	3.35e6	3.15	NO	1.00	1.000	18.05	18.07	1.001	1.001	NO	111.5	70-130	0.00693	111.5
4	4 PCB-4/10	5.29e6	1.58	NO	1.21	1.000	19.48	19.48	1.004	1.004	NO	232.7	140-260	0.0296	232.7
5	5 PCB-7/9	3.26e6	1.59	NO	0.939	1.000	21.27	21.23	1.003	1.001	NO	116.7	70-130	0.0240	116.7
6	6 PCB-6			NO	0.996	1.000	21.92		1.033		YES			0.0226	
7	7 PCB-5/8	3.26e6	1.58	NO	0.976	1.000	22.32	22.32	1.052	1.052	NO	112.4		0.0231	112.4
8	8 PCB-14			NO	1.02	1.000	23.45		0.951		YES			0.0239	
9	9 PCB-11	3.28e6	1.59	NO	1.12	1.000	24.68	24.68	1.001	1.001	NO	103.3		0.0219	103.3
10	10 PCB-12/13	3.16e6	1.59	NO	1.02	1.000	25.11	25.11	1.018	1.018	NO	109.1		0.0240	109.1
11	11 PCB-15	3.44e6	1.60	NO	1.02	1.000	25.39	25.40	1.030	1.030	NO	119.0		0.0240	119.0
12	12 PCB-19	8.20e5	1.04	NO	0.972	1.000	23.65	23.64	1.001	1.001	NO	53.11	35-65	0.0170	53.11
13	13 PCB-30			NO	1.54	1.000	24.56		1.040		YES			0.0107	
14	14 PCB-18	8.50e5	1.02	NO	0.719	1.000	25.33	25.32	0.952	0.952	NO	51.35		0.0163	51.35
15	15 PCB-17			NO	0.672	1.000	25.50		0.958		YES			0.0174	
16	16 PCB-24/27			NO	0.932	1.000	26.11		0.981		YES			0.0126	
17	17 PCB-16/32			NO	0.824	1.000	26.63		1.001		YES			0.0142	
18	18 PCB-34			NO	0.878	1.000	27.44		0.959		YES			0.0159	
19	19 PCB-23			NO	0.892	1.000	27.53		0.962		YES			0.0157	
20	20 PCB-29			NO	0.861	1.000	27.77		0.971		YES			0.0162	
21	21 PCB-26			NO	0.915	1.000	28.01		0.979		YES			0.0153	
22	22 PCB-25			NO	0.915	1.000	28.16		0.984		YES			0.0153	
23	23 PCB-31	1.42e6	1.06	NO	1.03	1.000	28.53	28.54	0.997	0.997	NO	49.33		0.0136	49.33
24	24 PCB-28	1.54e6	1.06	NO	1.01	1.000	28.63	28.63	1.001	1.001	NO	54.54		0.0138	54.54
25	25 PCB-20/21/33	1.36e6	1.05	NO	0.913	1.000	29.27	29.30	1.023	1.024	NO	53.55	53.6	0.0153	53.55
26	26 PCB-22			NO	0.948	1.000	29.74		1.039		YES			0.0148	
27	27 PCB-36			NO	1.07	1.000	30.36		0.932		YES			0.0150	
28	28 PCB-39			NO	1.00	1.000	30.84		0.946		YES			0.0160	
29	29 PCB-38	1.31e6	1.07	NO	1.05	1.000	31.64	31.63	0.971	0.970	NO	49.20		0.0153	49.20
30	30 PCB-35	1.36e6	1.06	NO	1.05	1.000	32.16	32.17	0.987	0.987	NO	51.28		0.0153	51.28
31	31 PCB-37	1.39e6	1.07	NO	1.03	1.000	32.61	32.63	1.001	1.001	NO	53.44		0.0156	53.44
32	32 PCB-54	1.03e6	0.77	NO	0.974	1.000	27.48	27.48	1.001	1.001	NO	53.70		0.0190	53.70

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-8.qld

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Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50			NO	0.803	1.000	28.68		1.044		YES			0.0231	
34	34 PCB-53			NO	0.939	1.000	29.37		0.944		YES			0.0246	
35	35 PCB-51			NO	1.00	1.000	29.70		0.955		YES			0.0231	
36	36 PCB-45			NO	0.802	1.000	30.15		0.969		YES			0.0288	
37	37 PCB-46			NO	0.770	1.000	30.65		0.985		YES			0.0300	
38	38 PCB-52/69	8.16e5	0.79	NO	1.08	1.000	31.14	31.12	1.001	1.001	NO	46.55		0.0213	46.55
39	39 PCB-73			NO	1.31	1.000	31.25		1.005		YES			0.0177	
40	40 PCB-43/49	8.41e5	0.78	NO	0.925	1.000	31.43	31.44	1.010	1.011	NO	56.14		0.0249	56.14
41	41 PCB-47			NO	0.863	1.000	31.65		1.001		YES			0.0256	
42	42 PCB-48/75			NO	1.04	1.000	31.76		1.004		YES			0.0213	
43	43 PCB-65			NO	1.16	1.000	32.03		1.013		YES			0.0191	
44	44 PCB-62			NO	1.04	1.000	32.16		1.017		YES			0.0213	
45	45 PCB-44	7.20e5	0.80	NO	0.757	1.000	32.46	32.46	1.026	1.026	NO	55.56		0.0292	55.56
46	46 PCB-42/59			NO	0.975	1.000	32.69		1.033		YES			0.0227	
47	47 PCB-41/64/71/72			NO	1.12	1.000	33.31		1.053		YES			0.0198	
48	48 PCB-68			NO	1.19	1.000	33.56		1.061		YES			0.0186	
49	49 PCB-40			NO	0.572	1.000	33.77		1.068		YES			0.0386	
50	50 PCB-57	1.02e6	0.77	NO	1.08	1.000	34.17	34.16	0.969	0.969	NO	48.27		0.0181	48.27
51	51 PCB-67			NO	1.02	1.000	34.48		0.978		YES			0.0191	
52	52 PCB-58			NO	1.08	1.000	34.61		0.982		YES			0.0180	
53	53 PCB-63			NO	0.971	1.000	34.75		0.986		YES			0.0200	
54	54 PCB-74	1.11e6	0.77	NO	1.09	1.000	35.06	35.05	0.994	0.994	NO	52.32		0.0179	52.32
55	55 PCB-61/70	1.10e6	0.77	NO	0.978	1.000	35.27	35.27	1.000	1.001	NO	57.45		0.0199	57.45
56	56 PCB-76/66	1.10e6	0.79	NO	1.07	1.000	35.45	35.48	1.005	1.006	NO	52.44		0.0181	52.44
57	57 PCB-80			NO	1.08	1.000	35.71		1.001		YES			0.0173	
58	58 PCB-55			NO	1.06	1.000	36.04		1.010		YES			0.0175	
59	59 PCB-56/60			NO	0.946	1.000	36.55		1.024		YES			0.0197	
60	60 PCB-79	1.09e6	0.80	NO	1.06	1.000	37.65	37.64	1.055	1.055	NO	50.51		0.0176	50.51
61	61 PCB-78	9.87e5	0.77	NO	1.01	1.000	38.36	38.36	0.987	0.987	NO	49.55		0.0191	49.55
62	62 PCB-81	1.08e6	0.77	NO	0.941	1.000	38.90	38.90	1.000	1.000	NO	57.84		0.0204	57.84
63	63 PCB-77	1.05e6	0.78	NO	1.03	1.000	39.52	39.52	1.000	1.000	NO	52.16		0.0190	52.16
64	64 PCB-104	9.32e5	1.54	NO	0.982	1.000	32.32	32.32	1.001	1.001	NO	57.20		0.0149	57.20
65	65 PCB-96			NO	0.982	1.000	33.61		1.041		YES			0.0149	
66	66 PCB-103			NO	0.770	1.000	34.17		1.058		YES			0.0190	
67	67 PCB-100			NO	0.805	1.000	34.54		1.070		YES			0.0182	
68	68 PCB-94			NO	0.831	1.000	35.03		0.985		YES			0.0238	

35-65 mg/g(v)



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Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	6.70e5	1.58	NO	1.07	1.000	35.50	35.59	0.999	1.001	NO	49.84	49.8 <i>35-15</i>	0.0185	49.84
70	70 PCB-93			NO	0.761	1.000	35.65		1.003		YES			0.0260	
71	71 PCB-88/91			NO	0.910	1.000	35.98		1.012		YES			0.0218	
72	72 PCB-121			NO	1.46	1.000	36.09		1.015		YES			0.0135	
73	73 PCB-84/92			NO	0.826	1.000	36.93		0.990		YES			0.0223	
74	74 PCB-89			NO	0.885	1.000	37.11		0.995		YES			0.0208	
75	75 PCB-90/101	7.10e5	1.55	NO	0.905	1.000	37.31	37.32	1.000	1.000	NO	58.87		0.0204	58.87
76	76 PCB-113			NO	1.26	1.000	37.56		1.007		YES			0.0147	
77	77 PCB-99	7.49e5	1.57	NO	0.993	1.000	37.66	37.66	1.010	1.009	NO	56.61		0.0186	56.61
78	78 PCB-119			NO	1.53	1.000	38.14		0.987		YES			0.0148	
79	79 PCB-108/112			NO	1.25	1.000	38.30		0.991		YES			0.0181	
80	80 PCB-83			NO	1.56	1.000	38.45		0.995		YES			0.0145	
81	81 PCB-97			NO	1.12	1.000	38.66		1.000		YES			0.0201	
82	82 PCB-86			NO	1.06	1.000	38.83		1.005		YES			0.0214	
83	83 PCB-87/117/125	6.16e5	1.56	NO	1.34	1.000	38.95	38.96	1.008	1.008	NO	42.44	42.4	0.0169	42.44
84	84 PCB-111/115	8.83e5	1.57	NO	1.62	1.000	39.11	39.13	1.012	1.013	NO	50.40		0.0140	50.40
85	85 PCB-85/116			NO	1.23	1.000	39.23		1.015		YES			0.0183	
86	86 PCB-120			NO	1.79	1.000	39.50		1.022		YES			0.0126	
87	87 PCB-110	8.76e5	1.59	NO	1.50	1.000	39.65	39.65	1.026	1.026	NO	53.90		0.0151	53.90
88	88 PCB-82			NO	0.638	1.000	40.30		0.976		YES			0.0251	
89	89 PCB-124			NO	1.08	1.000	41.01		0.993		YES			0.0149	
90	90 PCB-107/109	8.39e5	1.58	NO	1.11	1.000	41.15	41.32	0.996	1.000	YES	47.54		0.0144	47.54
91	91 PCB-123			NO	1.00	1.000	41.32		1.000		YES			0.0160	
92	92 PCB-106/118	9.16e5	1.59	NO	1.02	1.000	41.53	41.51	1.001	1.000	NO	56.90		0.0156	56.90
93	93 PCB-114	9.73e5	1.58	NO	1.08	1.000	42.19	42.19	1.000	1.000	NO	51.79		0.0222	51.79
94	94 PCB-122			NO	0.930	1.000	42.34		1.004		YES			0.0259	
95	95 PCB-105	9.70e5	1.58	NO	1.03	1.000	43.06	43.06	1.000	1.000	NO	52.89		0.0225	52.89
96	96 PCB-127			NO	1.06	1.000	43.42		1.000		YES			0.0205	
97	97 PCB-126	9.80e5	1.57	NO	1.15	1.000	45.37	45.37	1.000	1.000	NO	47.91		0.0201	47.91
98	98 PCB-155	7.17e5	1.25	NO	0.853	1.000	36.86	36.86	1.000	1.001	NO	61.43		0.0155	61.43
99	99 PCB-150			NO	0.934	1.000	38.18		1.036		YES			0.0141	
100	1... PCB-152			NO	1.02	1.000	38.66		1.049		YES			0.0129	
101	1... PCB-145			NO	0.983	1.000	39.13		1.062		YES			0.0134	
102	1... PCB-136			NO	0.881	1.000	39.46		1.071		YES			0.0150	
103	1... PCB-148			NO	0.666	1.000	39.57		1.074		YES			0.0198	
104	1... PCB-154			NO	0.721	1.000	40.07		1.088		YES			0.0183	

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Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151			NO	0.674	1.000	40.74		1.106		YES			0.0196	
106	1... PCB-135			NO	0.723	1.000	40.97		1.112		YES			0.0182	
107	1... PCB-144			NO	0.691	1.000	41.08		1.115		YES			0.0191	
108	1... PCB-147			NO	0.713	1.000	41.21		1.119		YES			0.0185	
109	1... PCB-139/149	4.88e5	1.27	NO	0.773	1.000	41.49	41.45	1.126	1.125	NO	46.09		0.0170	46.09
110	1... PCB-140			NO	0.652	1.000	41.68		1.131		YES			0.0202	
111	1... PCB-134/143			NO	0.718	1.000	42.11		0.975		YES			0.0303	
112	1... PCB-131/133			NO	0.768	1.000	42.41		0.982		YES			0.0283	
113	1... PCB-142			NO	0.687	1.000	42.56		0.985		YES			0.0317	
114	1... PCB-146/165			NO	0.943	1.000	42.81		0.991		YES			0.0231	
115	1... PCB-132/161			NO	0.957	1.000	43.06		0.997		YES			0.0227	
116	1... PCB-153	7.49e5	1.24	NO	0.990	1.000	43.25	43.25	1.001	1.001	NO	51.25		0.0220	51.25
117	1... PCB-168			NO	1.03	1.000	43.46		1.006		YES			0.0210	
118	1... PCB-141			NO	0.948	1.000	44.00		1.000		YES			0.0271	
119	1... PCB-137			NO	0.964	1.000	44.38		1.009		YES			0.0267	
120	1... PCB-130			NO	0.816	1.000	44.50		1.012		YES			0.0315	
121	1... PCB-138/163/164	6.71e5	1.22	NO	1.15	1.000	44.90	44.86	1.001	1.000	NO	44.80	44.8	0.0214	44.80
122	1... PCB-158/160			NO	1.14	1.000	45.14		1.007		YES			0.0217	
123	1... PCB-129			NO	0.807	1.000	45.39		1.012		YES			0.0306	
124	1... PCB-166			NO	1.03	1.000	45.87		0.993		YES			0.0207	
125	1... PCB-159			NO	1.10	1.000	46.23		1.001		YES			0.0195	
126	1... PCB-128/162	8.43e5	1.23	NO	0.836	1.000	46.51	46.51	1.007	1.007	NO	64.21		0.0255	64.21
127	1... PCB-167	8.12e5	1.22	NO	0.960	1.000	46.90	46.90	1.000	1.000	NO	52.28		0.0204	52.28
128	1... PCB-156	8.18e5	1.24	NO	1.06	1.000	48.23	48.23	1.000	1.000	NO	50.97		0.0198	50.97
129	1... PCB-157	8.21e5	1.26	NO	0.960	1.000	48.52	48.51	1.000	1.000	NO	54.88		0.0221	54.88
130	1... PCB-169	7.93e5	1.24	NO	1.04	1.000	50.79	50.79	1.000	1.000	NO	49.90		0.0209	49.90
131	1... PCB-188	8.45e5	1.05	NO	1.15	1.000	42.87	42.85	1.001	1.000	NO	56.09		0.0243	56.09
132	1... PCB-184			NO	1.14	1.000	43.32		1.011		YES			0.0245	
133	1... PCB-179			NO	1.07	1.000	44.12		1.030		YES			0.0260	
134	1... PCB-176			NO	1.11	1.000	44.59		1.041		YES			0.0251	
135	1... PCB-186			NO	1.23	1.000	45.24		1.056		YES			0.0227	
136	1... PCB-178	5.97e5	1.02	NO	0.830	1.000	45.75	45.75	1.068	1.068	NO	54.84		0.0336	54.84
137	1... PCB-175			NO	0.853	1.000	46.09		1.076		YES			0.0327	
138	1... PCB-182/187	6.30e5	1.04	NO	0.942	1.000	46.28	46.26	1.081	1.080	NO	51.06		0.0296	51.06
139	1... PCB-183			NO	0.910	1.000	46.60		1.088		YES			0.0307	
140	1... PCB-185			NO	1.24	1.000	47.28		0.954		YES			0.0350	

3565

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Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	5.82e5	1.05	NO	1.20	1.000	47.66	47.66	0.962	0.962	NO	56.13	75-85	0.0362	56.13
142	1... PCB-181			NO	1.33	1.000	47.76		0.964		YES			0.0326	
143	1... PCB-177			NO	1.14	1.000	47.93		0.967		YES			0.0380	
144	1... PCB-171			NO	1.22	1.000	48.23		0.974		YES			0.0356	
145	1... PCB-173			NO	1.07	1.000	48.68		0.983		YES			0.0407	
146	1... PCB-172			NO	1.26	1.000	49.14		0.992		YES			0.0345	
147	1... PCB-192			NO	1.61	1.000	49.35		0.996		YES			0.0269	
148	1... PCB-180	6.03e5	1.04	NO	1.30	1.000	49.56	49.56	1.000	1.000	NO	53.60		0.0334	53.60
149	1... PCB-193			NO	1.47	1.000	49.78		1.005		YES			0.0295	
150	1... PCB-191			NO	1.51	1.000	50.03		1.010		YES			0.0288	
151	1... PCB-170	5.30e5	1.05	NO	1.23	1.000	51.23	51.22	1.000	1.000	NO	52.39		0.0359	52.39
152	1... PCB-190			NO	1.61	1.000	51.44		1.005		YES			0.0275	
153	1... PCB-189	7.01e5	1.03	NO	1.27	1.000	52.93	52.93	1.000	1.000	NO	54.09		0.0256	54.09
154	1... PCB-202	6.66e5	0.89	NO	0.995	1.000	48.48	48.46	1.001	1.000	NO	55.95		0.0152	55.95
155	1... PCB-201			NO	0.904	1.000	48.97		1.011		YES			0.0167	
156	1... PCB-204			NO	0.955	1.000	49.12		1.014		YES			0.0159	
157	1... PCB-197			NO	0.964	1.000	49.44		1.021		YES			0.0157	
158	1... PCB-200	6.12e5	0.91	NO	0.911	1.000	50.37	50.35	1.040	1.040	NO	56.06		0.0166	56.06
159	1... PCB-198			NO	0.696	1.000	51.92		1.072		YES			0.0218	
160	1... PCB-199			NO	0.706	1.000	52.06		1.075		YES			0.0214	
161	1... PCB-196/203	4.73e5	0.91	NO	0.754	1.000	52.36	52.34	1.081	1.081	NO	52.32		0.0201	52.32
162	1... PCB-195	5.36e5	0.90	NO	0.957	1.000	53.62	53.61	0.984	0.983	NO	53.46		0.0235	53.46
163	1... PCB-194	5.68e5	0.90	NO	1.06	1.000	54.54	54.54	1.000	1.000	NO	51.08		0.0212	51.08
164	1... PCB-205	7.14e5	0.90	NO	1.27	1.000	54.81	54.81	1.005	1.005	NO	53.68		0.0177	53.68
165	1... PCB-208	6.02e5	1.36	NO	0.861	1.000	53.78	53.78	1.000	1.000	NO	55.33		0.0261	55.33
166	1... PCB-207			NO	0.849	1.000	54.11		1.007		YES			0.0264	
167	1... PCB-206	4.66e5	1.35	NO	0.951	1.000	56.07	56.07	1.000	1.000	NO	52.10		0.0308	52.10
168	1... PCB-209	5.43e5	1.19	NO	0.863	1.000	57.32	57.32	1.000	1.000	NO	57.91		0.00269	57.91
169	1... 13C-PCB-1	2.99e6	3.20	NO	0.937	1.000	15.43	15.42	0.608	0.608	NO	100.7	101	0.0440	
170	1... 13C-PCB-3	3.00e6	3.21	NO	0.934	1.000	18.06	18.04	0.712	0.711	NO	101.2	101	0.0442	
171	1... 13C-PCB-4	1.88e6	1.59	NO	0.599	1.000	19.41	19.40	0.765	0.764	NO	98.94	98.9	0.0200	
172	1... 13C-PCB-9	2.98e6	1.59	NO	0.960	1.000	21.22	21.21	0.836	0.836	NO	97.79	97.8	0.0125	
173	1... 13C-PCB-11	2.84e6	1.59	NO	0.929	1.000	24.66	24.66	0.971	0.972	NO	96.41	96.4	0.0129	
174	1... 13C-PCB-19	1.59e6	1.03	NO	0.506	1.000	23.63	23.62	0.931	0.930	NO	98.84	98.8	0.255	
175	1... 13C-PCB-32	2.30e6	1.03	NO	0.738	1.000	26.62	26.61	1.049	1.048	NO	98.29	98.3	0.175	
176	1... 13C-PCB-28	2.79e6	1.06	NO	1.06	1.000	28.61	28.61	1.004	1.004	NO	100.1	100	0.159	

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-8.qld

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#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	2.53e6	1.04	NO	0.979	1.000	32.59	32.59	1.143	1.144	NO	98.38	98.4	0.172	
178	1... 13C-PCB-54	1.97e6	0.78	NO	0.981	1.000	27.49	27.46	0.753	0.752	NO	98.99	99.0	0.0397	
179	1... 13C-PCB-52	1.62e6	0.78	NO	0.786	1.000	31.10	31.11	0.852	0.852	NO	101.6	102	0.0495	
180	1... 13C-PCB-47	1.71e6	0.79	NO	0.833	1.000	31.63	31.63	0.866	0.866	NO	101.2	101	0.0467	
181	1... 13C-PCB-70	1.96e6	0.80	NO	0.981	1.000	35.25	35.26	0.965	0.965	NO	98.47	98.5	0.0397	
182	1... 13C-PCB-80	2.03e6	0.80	NO	1.01	1.000	35.68	35.68	0.977	0.977	NO	98.88	98.9	0.0384	
183	1... 13C-PCB-81	1.98e6	0.80	NO	0.995	1.000	38.88	38.88	1.064	1.065	NO	98.16	98.2	0.0391	
184	1... 13C-PCB-77	1.95e6	0.80	NO	0.977	1.000	39.50	39.50	1.082	1.082	NO	98.25	98.3	0.0398	
185	1... 13C-PCB-104	1.66e6	1.59	NO	1.00	1.000	32.30	32.30	0.826	0.826	NO	102.4	102	0.0227	
186	1... 13C-PCB-95	1.26e6	1.59	NO	0.779	1.000	35.55	35.55	0.910	0.910	NO	99.88	99.9	0.0292	
187	1... 13C-PCB-101	1.33e6	1.56	NO	0.833	1.000	37.30	37.30	0.954	0.954	NO	99.16	99.2	0.0273	
188	1... 13C-PCB-97	1.08e6	1.59	NO	0.679	1.000	38.64	38.64	0.988	0.989	NO	98.90	98.9	0.0335	
189	1... 13C-PCB-123	1.59e6	1.59	NO	0.970	1.000	41.28	41.30	1.056	1.057	NO	101.7	102	0.0235	
190	1... 13C-PCB-118	1.57e6	1.58	NO	1.00	1.000	41.49	41.49	1.061	1.061	NO	97.51	97.5	0.0227	
191	1... 13C-PCB-114	1.73e6	1.58	NO	1.55	1.000	42.15	42.17	0.908	0.908	NO	96.45	96.5	0.0333	
192	1... 13C-PCB-105	1.77e6	1.59	NO	1.59	1.000	43.04	43.04	0.927	0.927	NO	95.97	96.0	0.0324	
193	1... 13C-PCB-127	1.85e6	1.61	NO	1.66	1.000	43.40	43.40	0.934	0.934	NO	95.97	96.0	0.0311	
194	1... 13C-PCB-126	1.78e6	1.60	NO	1.65	1.000	45.35	45.35	0.976	0.976	NO	93.10	93.1	0.0314	
195	1... 13C-PCB-155	1.37e6	1.31	NO	0.819	1.000	36.81	36.84	0.942	0.942	NO	103.6	104	0.0158	
196	1... 13C-PCB-153	1.48e6	1.26	NO	1.31	1.000	43.22	43.21	0.930	0.930	NO	96.88	96.9	0.0450	
197	1... 13C-PCB-141	1.24e6	1.25	NO	1.08	1.000	43.99	43.99	0.947	0.947	NO	98.40	98.4	0.0545	
198	1... 13C-PCB-138	1.30e6	1.22	NO	1.15	1.000	44.84	44.84	0.965	0.965	NO	97.12	97.1	0.0513	
199	1... 13C-PCB-159	1.57e6	1.29	NO	1.39	1.000	46.16	46.18	0.994	0.994	NO	97.03	97.0	0.0424	
200	2... 13C-PCB-167	1.62e6	1.23	NO	1.43	1.000	46.88	46.89	1.009	1.009	NO	97.69	97.7	0.0414	
201	2... 13C-PCB-156	1.51e6	1.27	NO	1.34	1.000	48.21	48.21	1.038	1.038	NO	97.20	97.2	0.0441	
202	2... 13C-PCB-157	1.56e6	1.28	NO	1.36	1.000	48.48	48.50	1.044	1.044	NO	98.76	98.8	0.0435	
203	2... 13C-PCB-169	1.53e6	1.24	NO	1.33	1.000	50.75	50.77	1.092	1.093	NO	98.99	99.0	0.0444	
204	2... 13C-PCB-188	1.31e6	0.46	NO	1.39	1.000	42.83	42.83	0.925	0.925	NO	96.90	96.9	0.0411	
205	2... 13C-PCB-180	8.65e5	0.47	NO	0.907	1.000	49.55	49.54	1.071	1.070	NO	98.08	98.1	0.0630	
206	2... 13C-PCB-170	8.22e5	0.45	NO	0.823	1.000	51.20	51.20	1.106	1.106	NO	102.7	103	0.0695	
207	2... 13C-PCB-189	1.02e6	0.46	NO	1.08	1.000	52.91	52.91	1.143	1.143	NO	97.37	97.4	0.0531	
208	2... 13C-PCB-202	1.20e6	0.93	NO	1.23	1.000	48.43	48.44	1.046	1.047	NO	99.93	99.9	0.0297	
209	2... 13C-PCB-194	1.05e6	0.93	NO	0.710	1.000	54.53	54.52	0.995	0.995	NO	99.51	99.5	0.0474	
210	2... 13C-PCB-208	1.26e6	0.78	NO	0.865	1.000	53.77	53.76	0.981	0.981	NO	98.50	98.5	0.0487	
211	2... 13C-PCB-206	9.41e5	0.80	NO	0.623	1.000	56.08	56.06	1.023	1.023	NO	101.9	102	0.0677	
212	2... 13C-PCB-209	1.09e6	1.20	NO	0.725	1.000	57.32	57.32	1.046	1.046	NO	101.1	101	0.00609	

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	3.17e6	1.61	NO	1.00	1.000	25.39	25.38	1.000	0.000	NO	100.0	100	0.0120	
214	2... 13C-PCB-31	2.63e6	1.04	NO	1.00	1.000	28.52	28.50	1.000	0.000	NO	100.0	100	0.169	
215	2... 13C-PCB-60	2.03e6	0.79	NO	1.00	1.000	36.54	36.52	1.000	0.000	NO	100.0	100	0.0389	
216	2... 13C-PCB-111	1.61e6	1.59	NO	1.00	1.000	39.11	39.09	1.000	0.000	NO	100.0	100	0.0228	
217	2... 13C-PCB-128	1.16e6	1.26	NO	1.00	1.000	46.47	46.45	1.000	0.000	NO	100.0	100	0.0591	
218	2... 13C-PCB-182	9.73e5	0.45	NO	1.00	1.000	46.30	46.28	0.000	0.000	NO	100.0	100	0.0572	
219	2... 13C-PCB-205	1.48e6	0.93	NO	1.00	1.000	54.81	54.80	1.000	0.000	NO	100.0	100	0.0336	
220	2... 13C-PCB-79	2.08e6	0.79	NO	1.04	1.000	37.62	37.62	1.030	1.030	NO	99.24	99.2	0.0376	to 13d
221	2... 13C-PCB-178	9.06e5	0.45	NO	0.774	1.000	45.72	45.71	0.988	0.988	NO	100.8	101	0.0608	
222	2... 13C-PCB-79	2.08e6	0.79	NO	1.04	1.000	37.63	37.62	0.968	0.967	NO	101.1	101	0.0378	
223	2... 13C-PCB-178	9.06e5	0.45	NO	1.02	1.000	45.71	45.71	0.923	0.923	NO	102.9	103	0.0632	

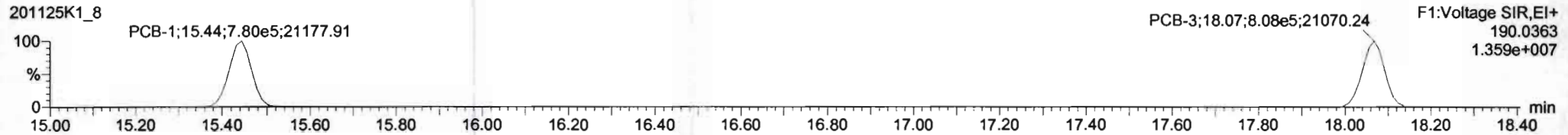
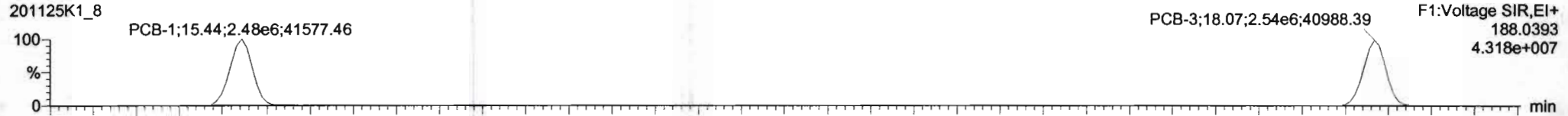
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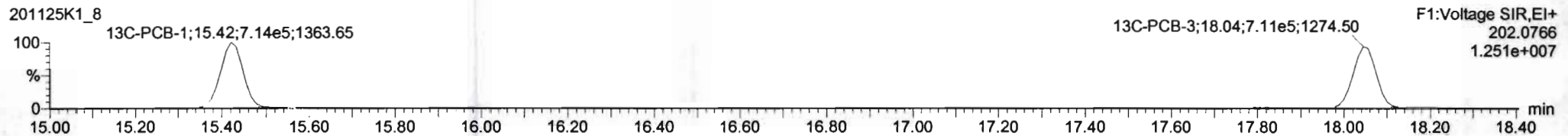
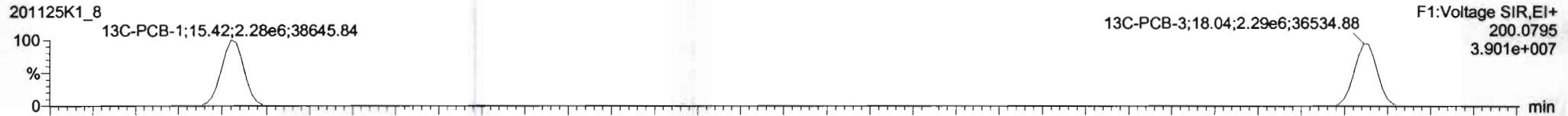
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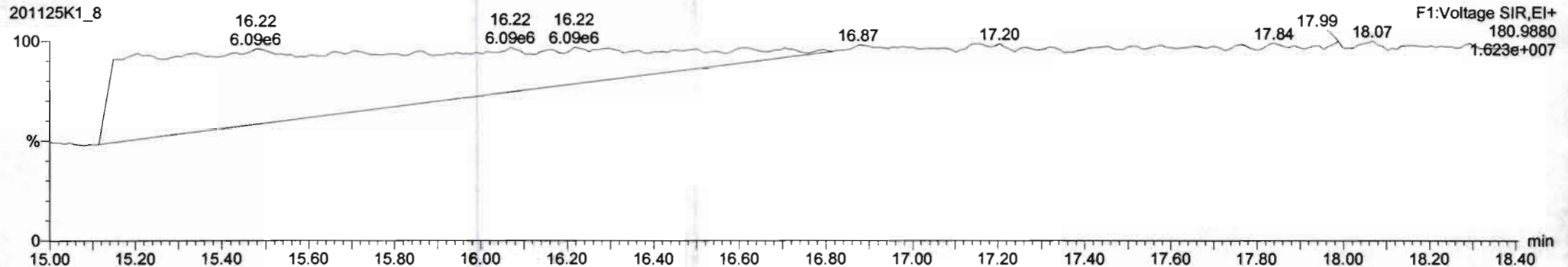
**PCB-1**



**13C-PCB-1**



**PFK1**

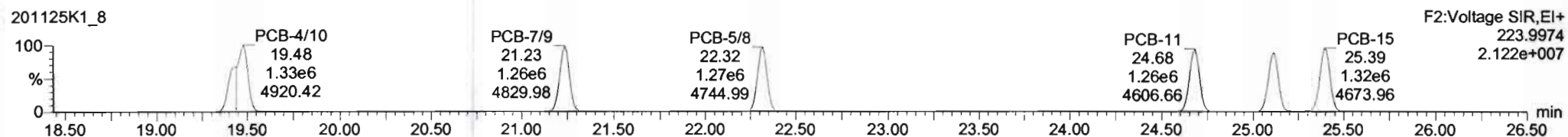
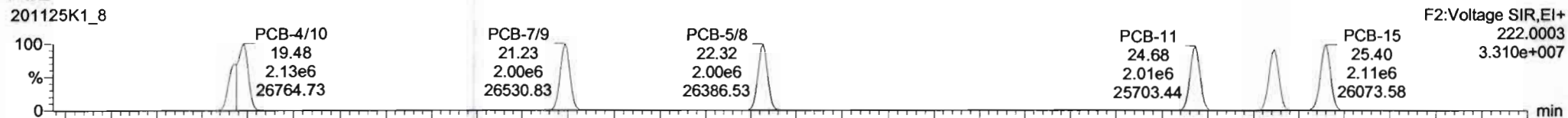


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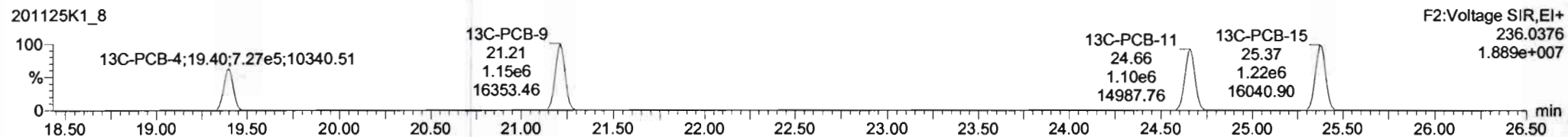
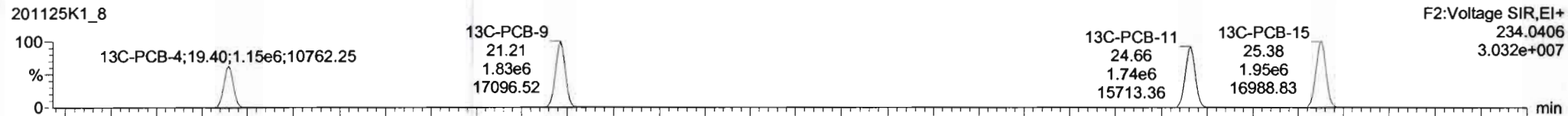
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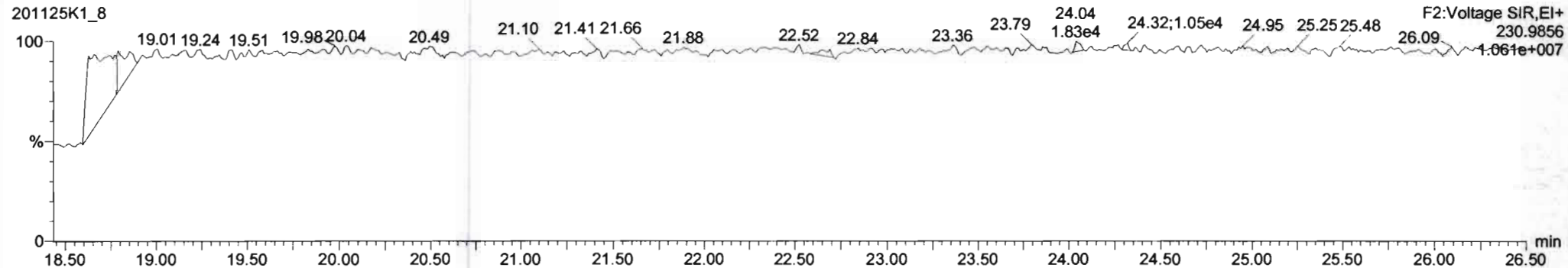
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**13C-PCB-4**

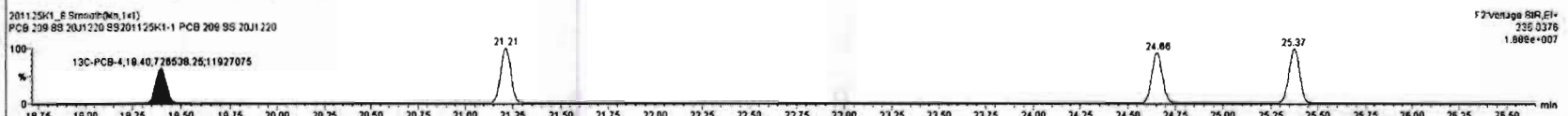
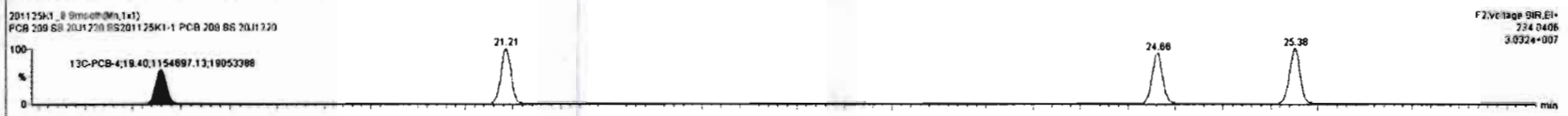
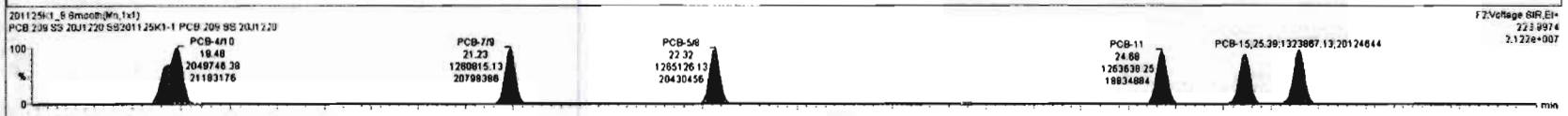
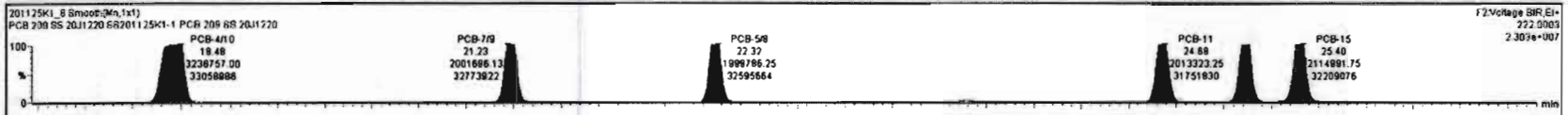


**PFK2a**



#	Name	Resp	RA	rvy	RF	wtWtd	Prod.RT	RT	Prod.R	RT	WRT	Final	Conc	SL	DL	EMPC
218	218 13C-PCB-183	8.72e5	0.45	NO	1.0000	1.000	46.30	46.28	0.000	0.000	NO	100.0	100		0.0672	
219	219 13C-PCB-205	1.48e6	0.83	NO	1.0000	1.000	54.81	54.80	1.000	0.000	NO	100.0	100		0.0306	
220	220 13C-PCB-78	2.08e5	0.79	NO	1.0359	1.000	37.62	37.62	1.030	1.030	NO	80.24	80.2		0.0376	
221	221 13C-PCB-178	9.08e5	0.45	NO	0.7744	1.000	45.72	45.71	0.988	0.988	NO	100.8	101		0.0600	
222	222 13C-PCB-78	2.08e5	0.79	NO	1.0415	1.000	37.63	37.62	0.988	0.987	NO	101.1	101		0.0378	
223	223 13C-PCB-178	9.08e5	0.45	NO	1.0180	1.000	45.71	45.71	0.823	0.823	NO	102.8	103		0.0632	
224	224 Total Mono-PCBs				1.0034	1.000		0.00	0.000		NO	222.0			0.0204	222.0
225	225 Total Di-PCBs				1.8387	1.000		0.00	0.000		NO	783.2			0.183	783.2
226	226 2nd Function Tri-PCBs				0.9434	1.000		0.00	0.000		NO	104.6			0.0892	104.6

#	Name	Prod.RT	RT	wt Resp	wt Resp	* Ratio (Prod)	RA	rvy	EMPC	Conc
4	PCB-4/10	19.48	19.48	3.237e6	2.050e6	1.580	1.58	NO	232.74	232.74
5	PCB-7/9	21.27	21.23	2.002e6	1.261e6	1.580	1.58	NO	118.70	118.70
7	PCB-5/8	22.32	22.32	2.000e6	1.265e6	1.580	1.58	NO	112.37	112.37
9	PCB-11	24.68	24.68	2.013e6	1.264e6	1.580	1.58	NO	103.31	103.31
10	PCB-12/13	25.11	25.11	1.940e6	1.218e6	1.580	1.58	NO	100.05	100.05
11	PCB-15	25.38	25.40	2.115e6	1.324e6	1.580	1.80	NO	118.89	118.89





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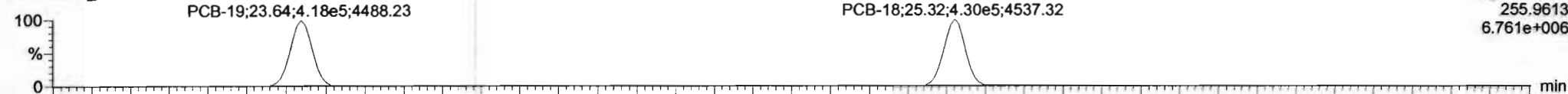
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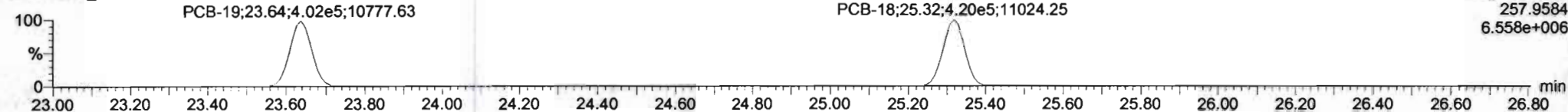
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**PCB-19**

201125K1\_8

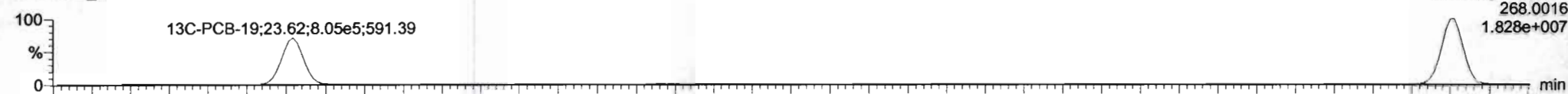


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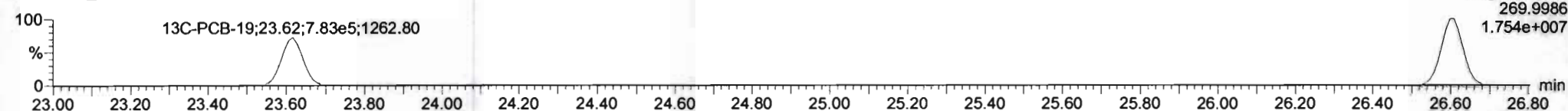


**13C-PCB-19**

201125K1\_8

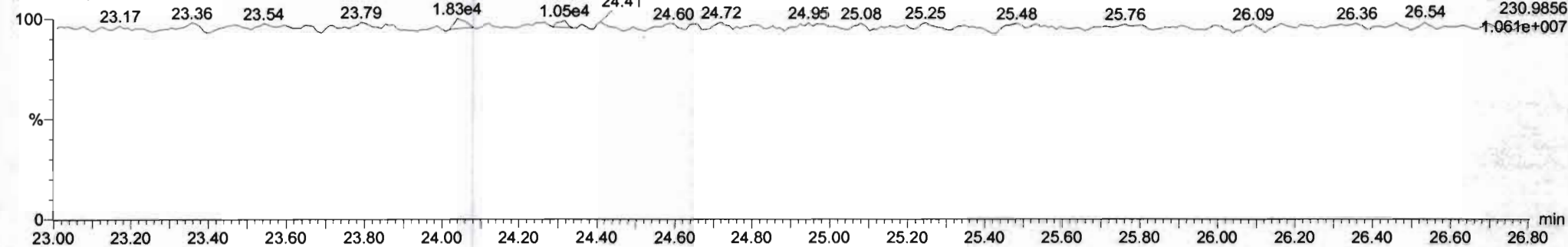


201125K1\_8



**PFK2b**

201125K1\_8



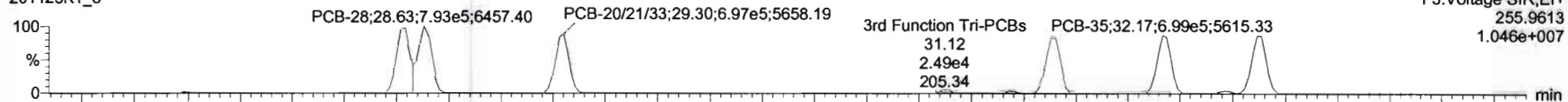
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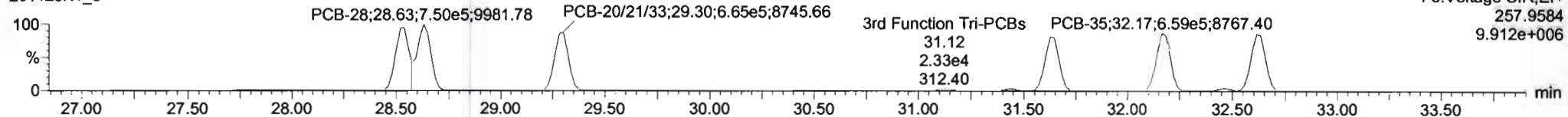
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**PCB-34**

201125K1\_8

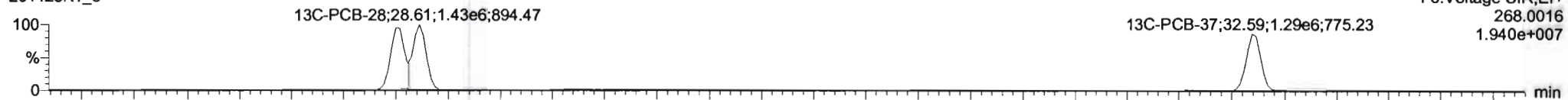


201125K1\_8

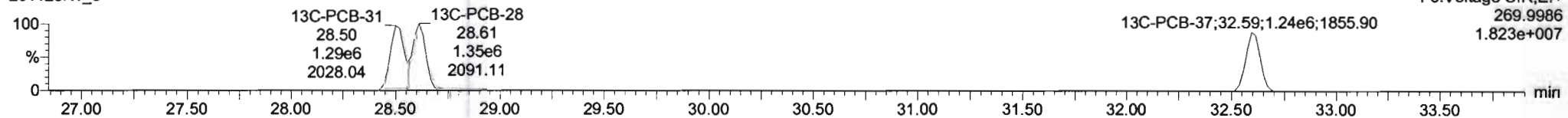


**13C-PCB-28**

201125K1\_8

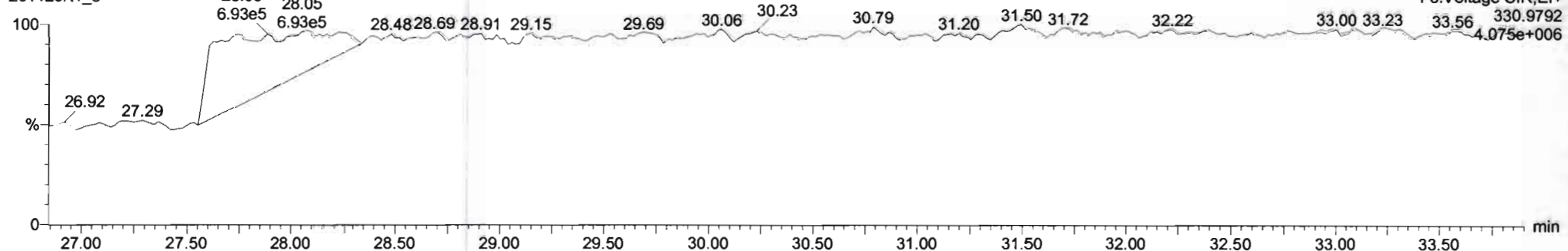


201125K1\_8



**PFK3d**

201125K1\_8



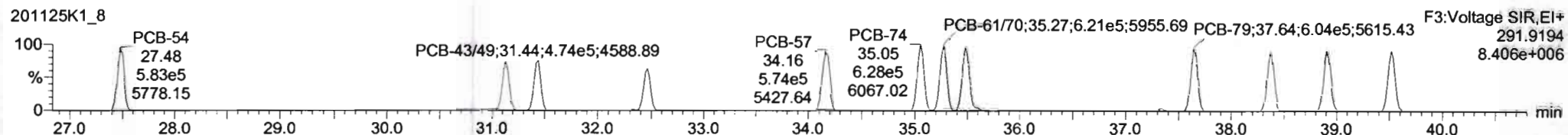
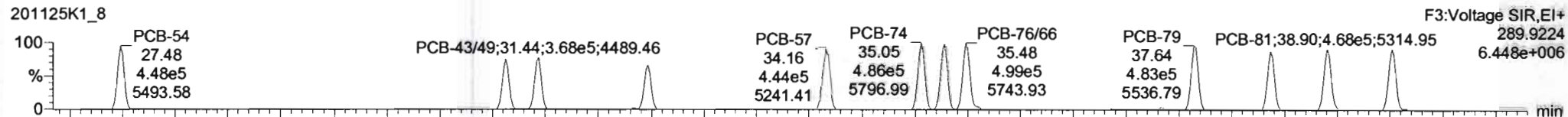
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Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

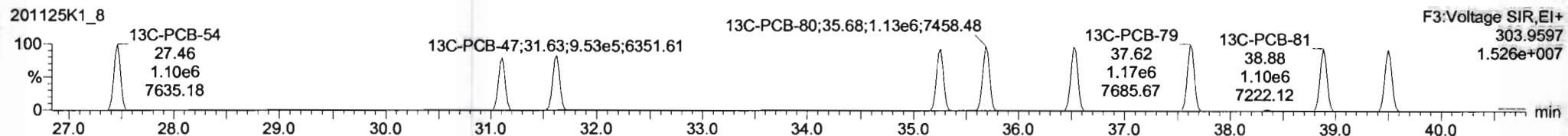
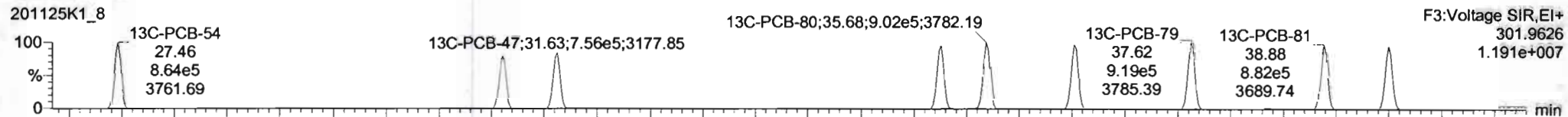
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

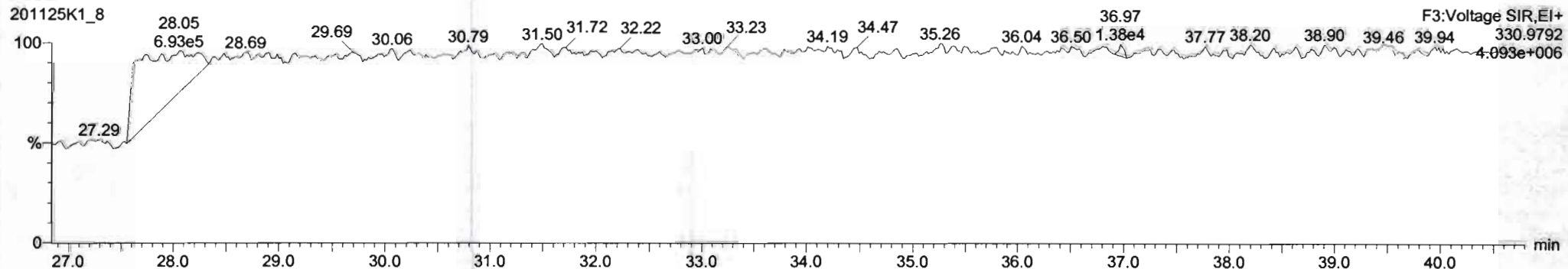
**PCB-54**



**13C-PCB-54**



**PFK3a**



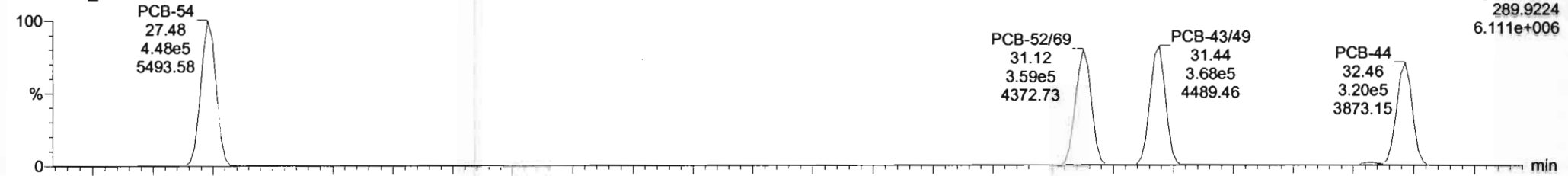
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

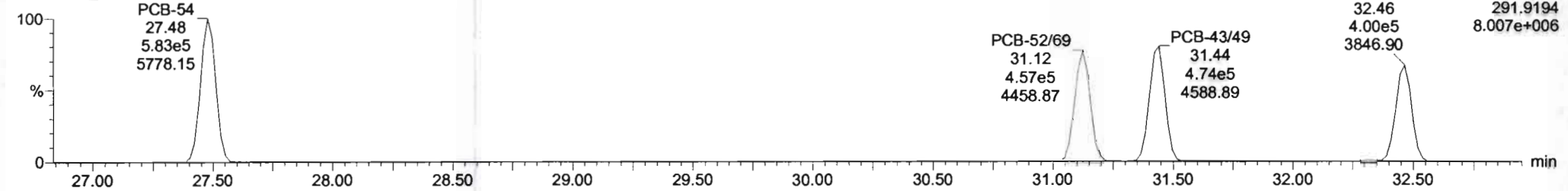
Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

**PCB-50**

201125K1\_8

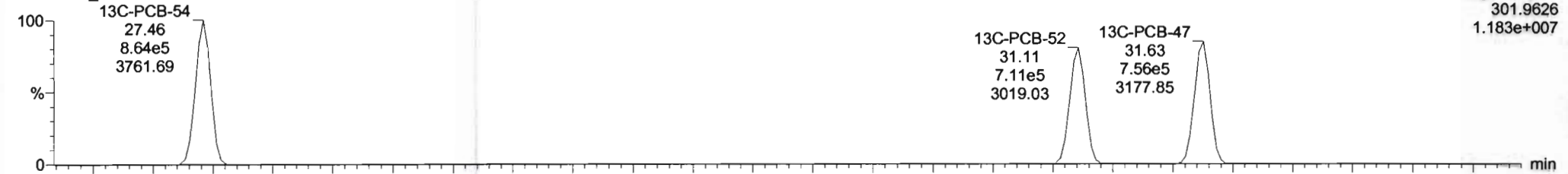


201125K1\_8

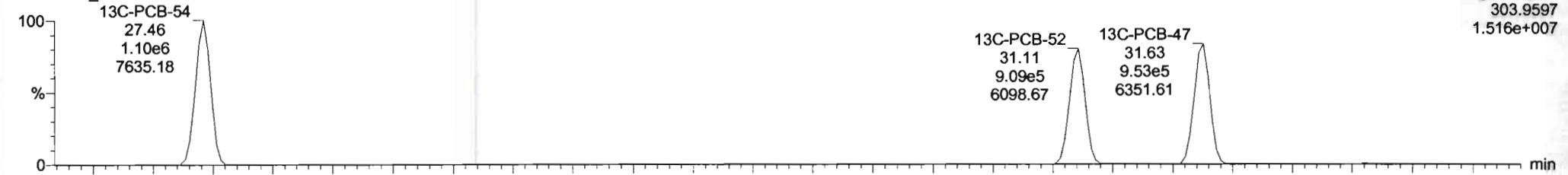


**13C-PCB-52**

201125K1\_8



201125K1\_8





Dataset: Untitled

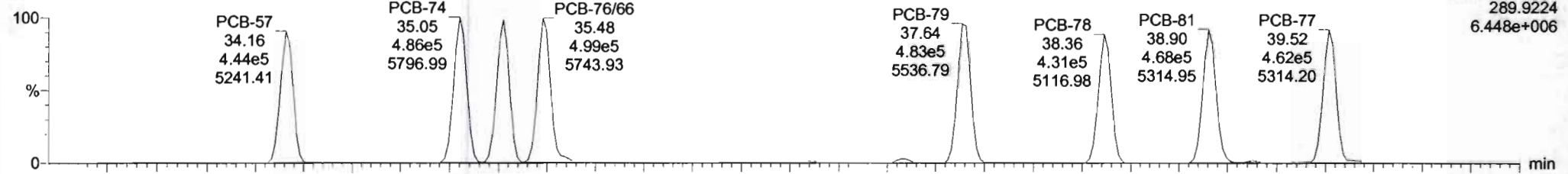
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

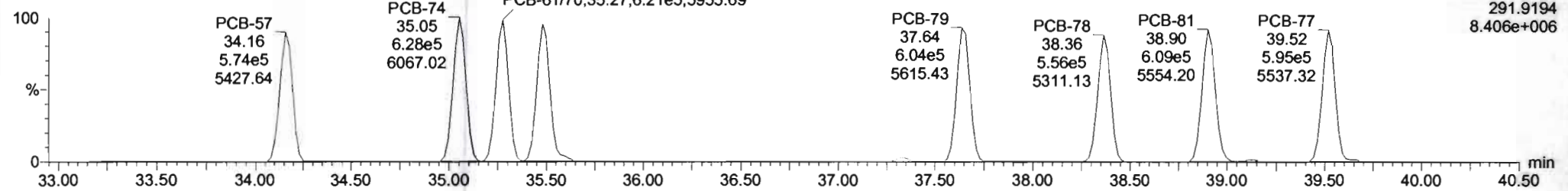
Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

**PCB-68**

201125K1\_8

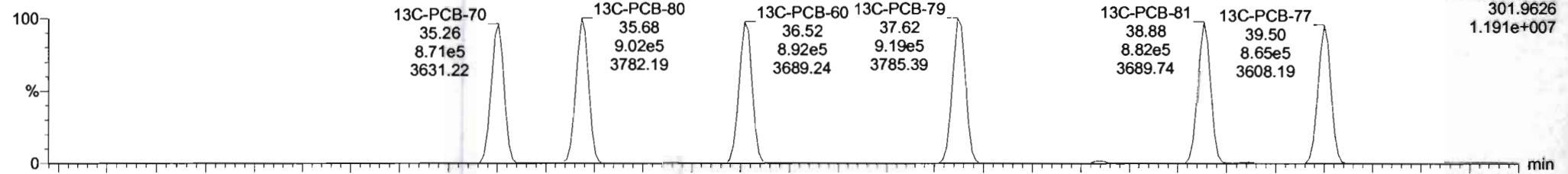


201125K1\_8

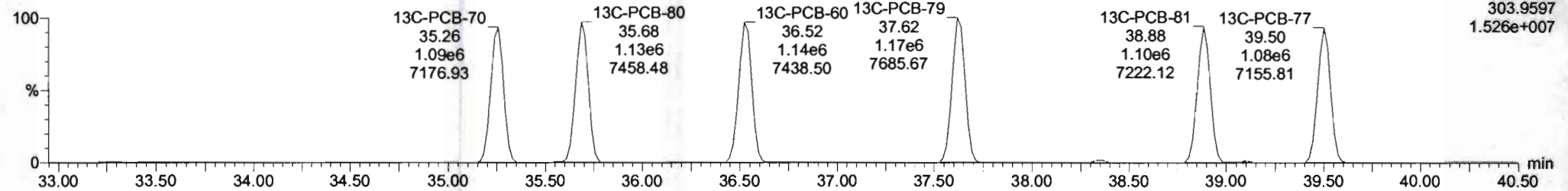


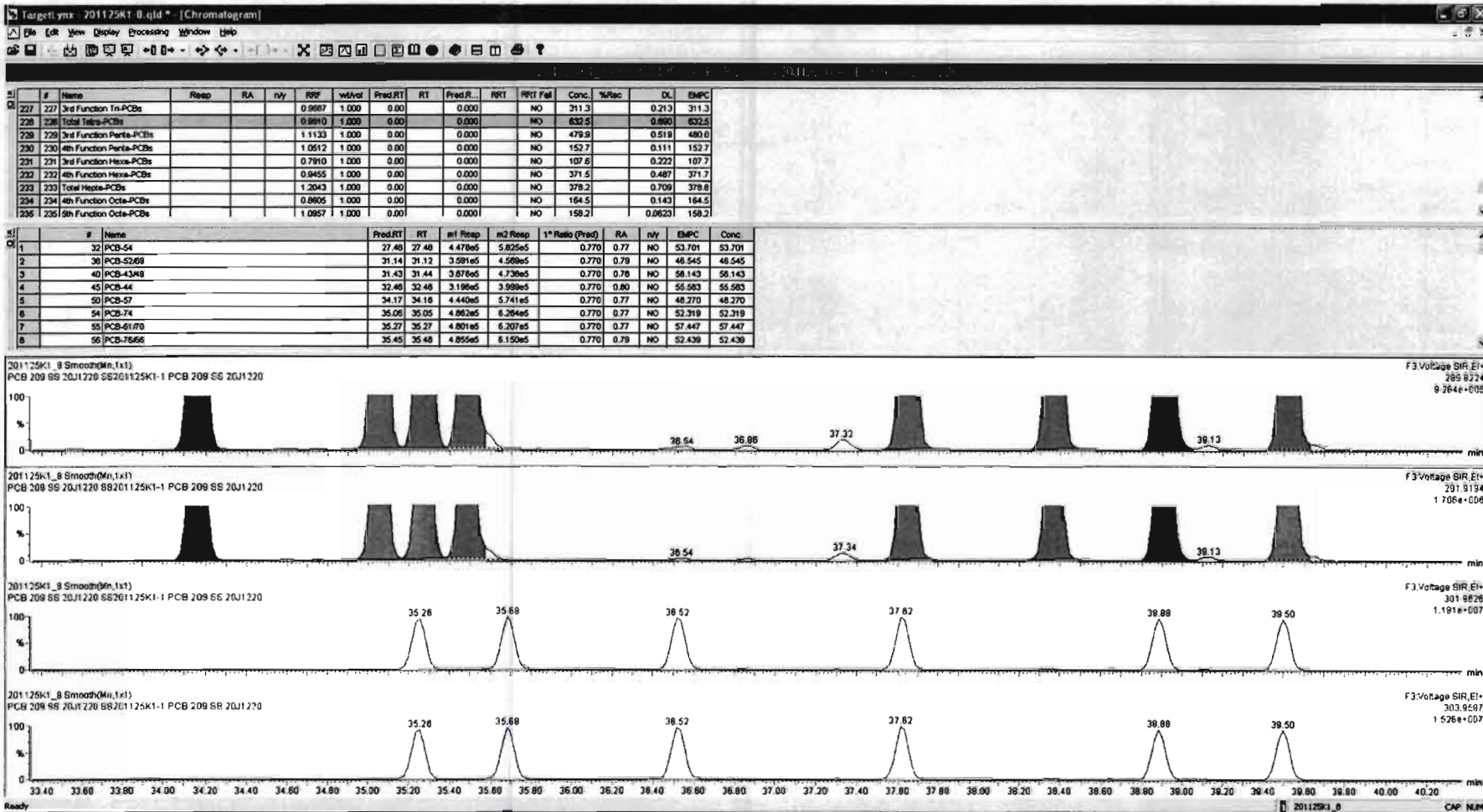
**13C-PCB-60**

201125K1\_8



201125K1\_8



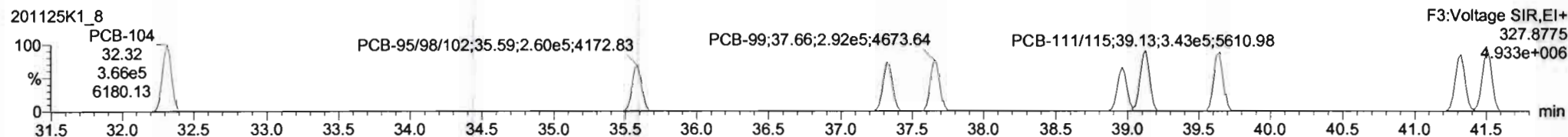
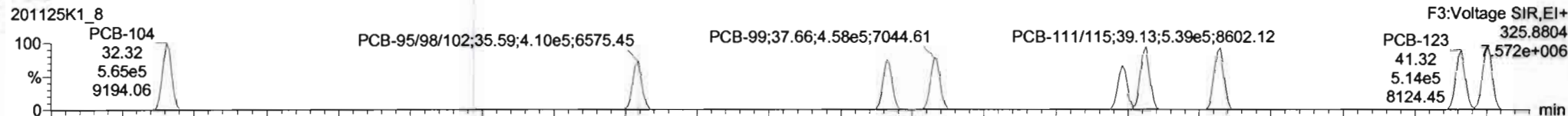


Dataset: Untitled

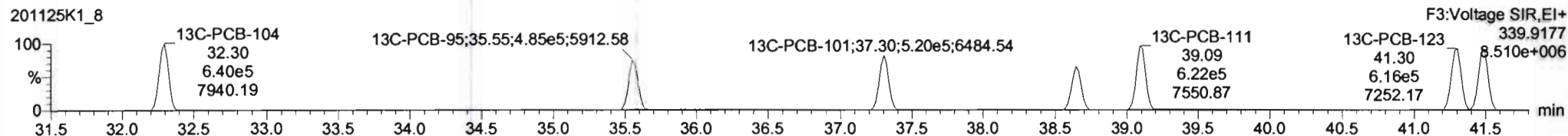
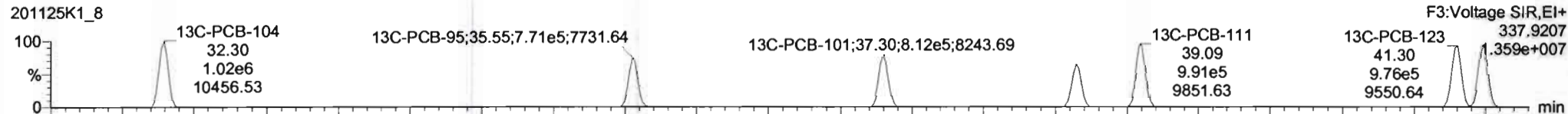
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

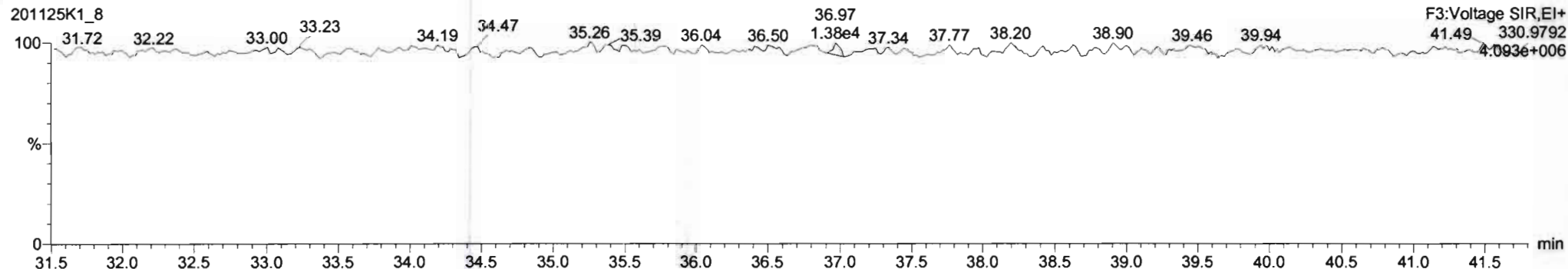
**PCB-104**



**13C-PCB-104**



**PFK3b**



Dataset: Untitled

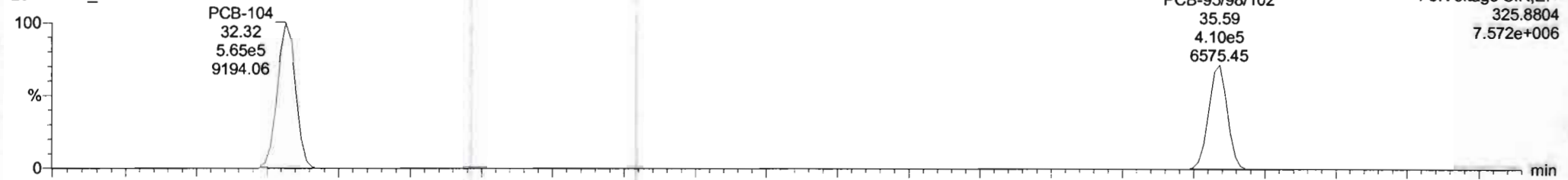
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

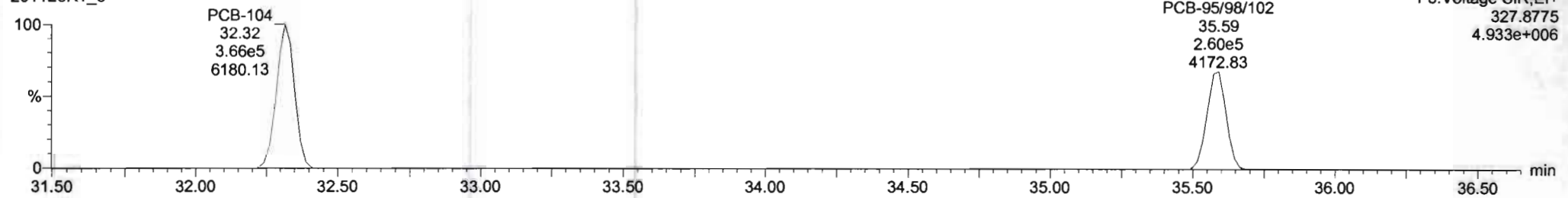
**PCB-96**

201125K1\_8



F3:Voltage SIR,EI+  
325.8804  
7.572e+006

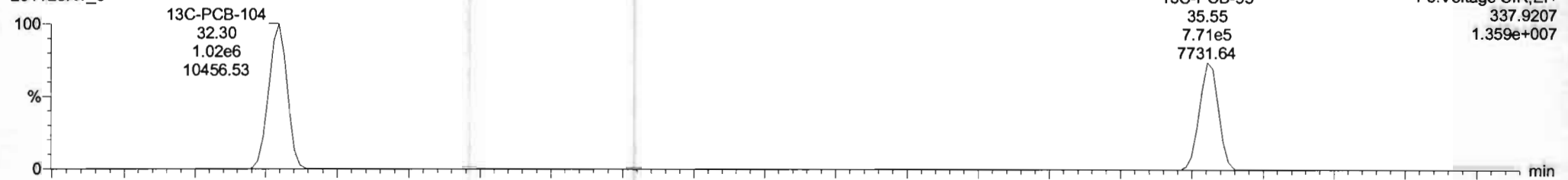
201125K1\_8



F3:Voltage SIR,EI+  
327.8775  
4.933e+006

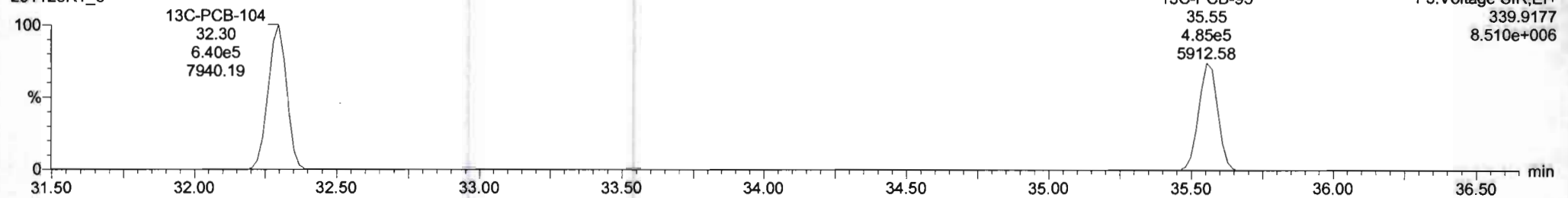
**13C-PCB-95**

201125K1\_8



F3:Voltage SIR,EI+  
337.9207  
1.359e+007

201125K1\_8



F3:Voltage SIR,EI+  
339.9177  
8.510e+006



Dataset: Untitled

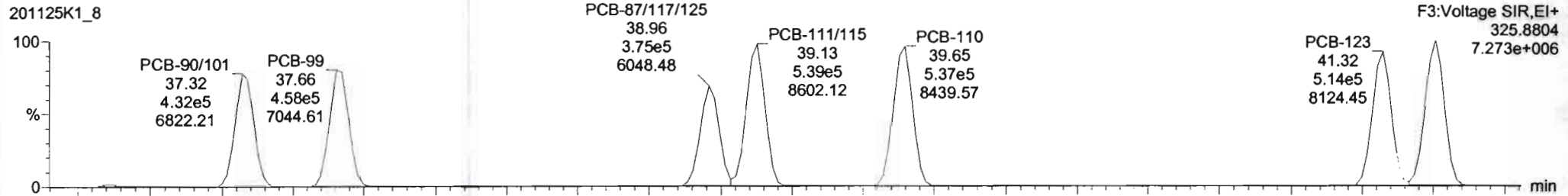
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

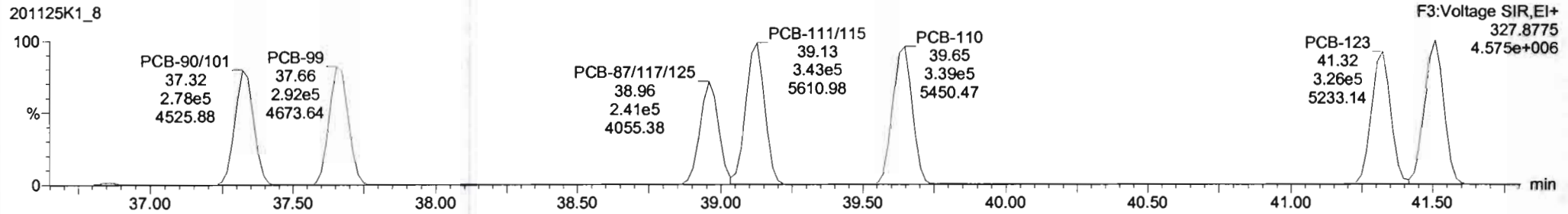
Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

**PCB-119**

201125K1\_8

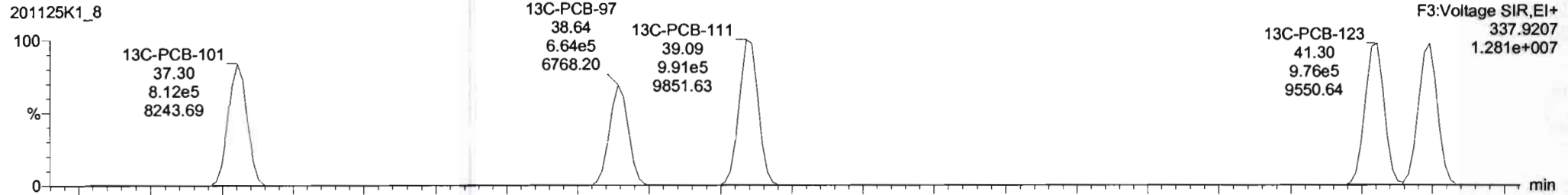


201125K1\_8

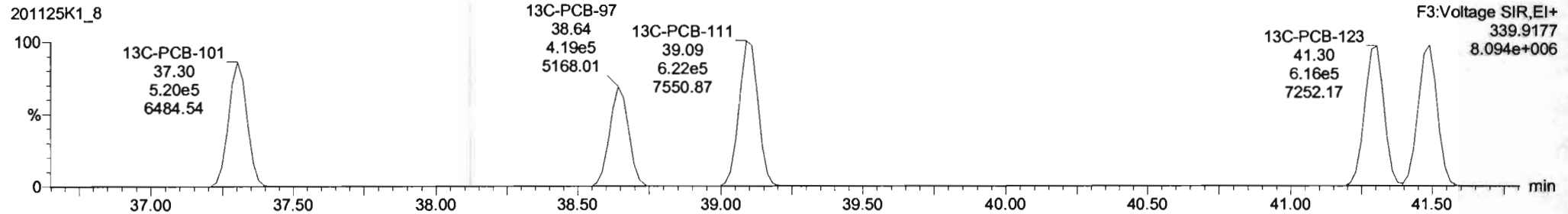


**13C-PCB-111**

201125K1\_8



201125K1\_8

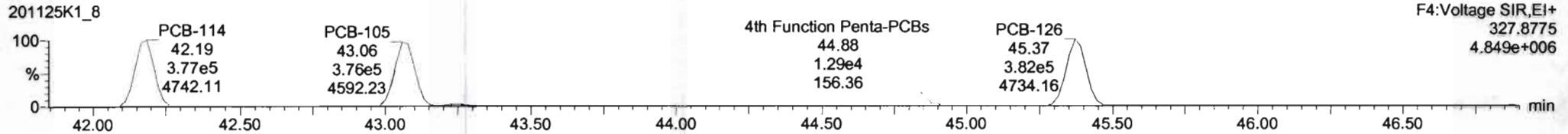
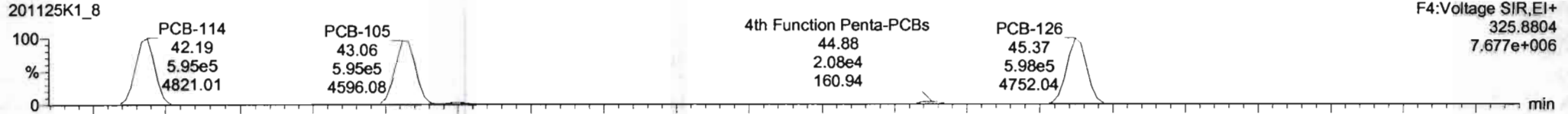


Dataset: Untitled

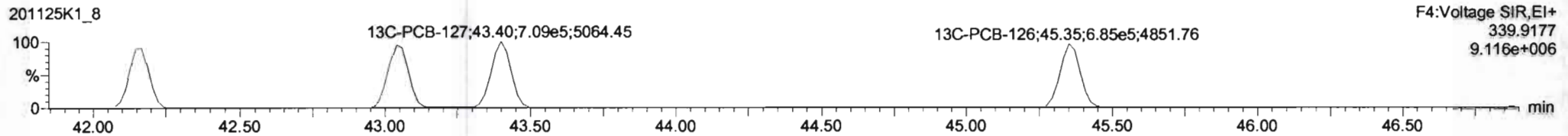
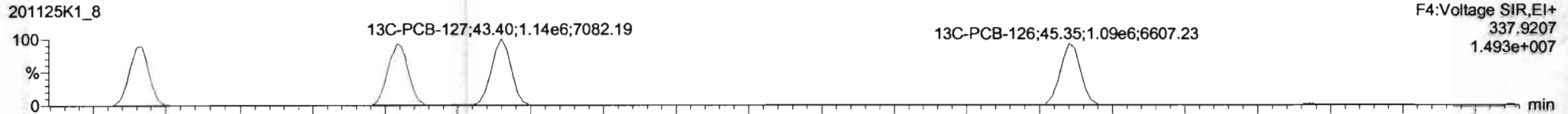
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

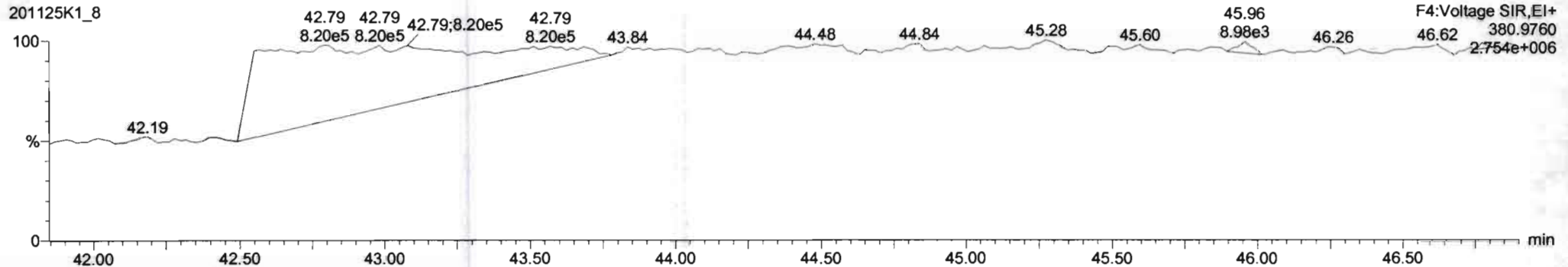
**PCB-114**



**13C-PCB-114**



**PFK4a**

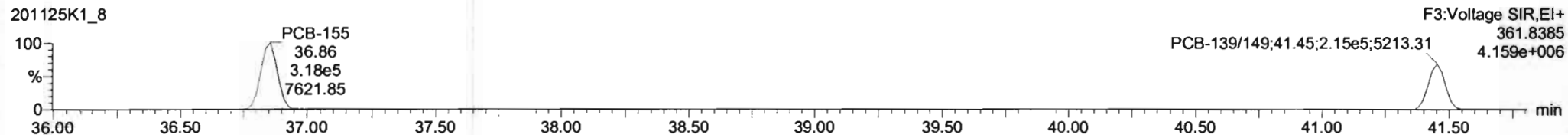
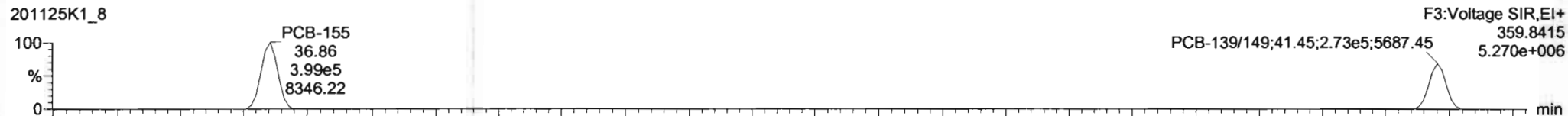


Dataset: Untitled

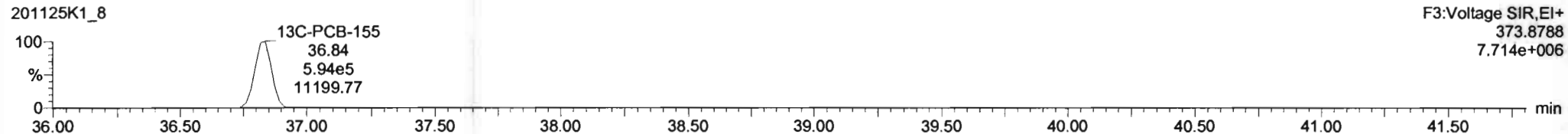
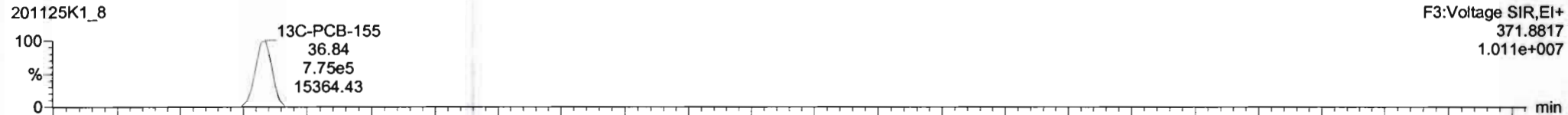
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

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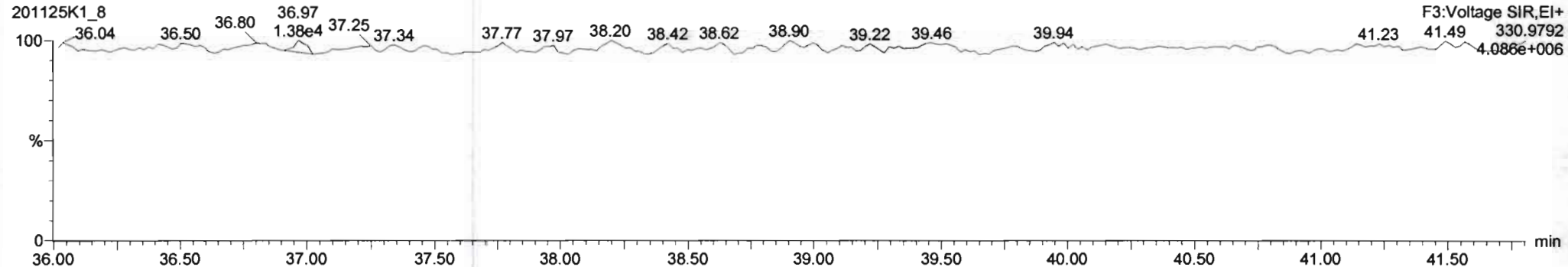
**PCB-155**



**13C-PCB-155**



**PFK3c**

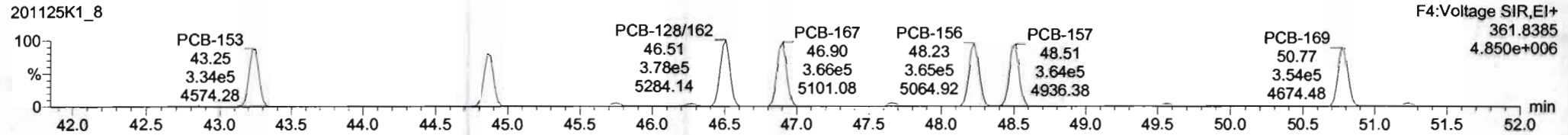
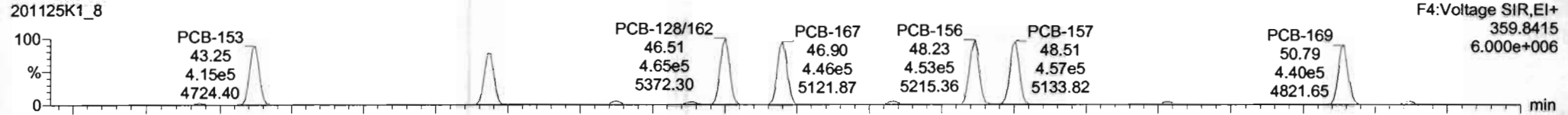


Dataset: Untitled

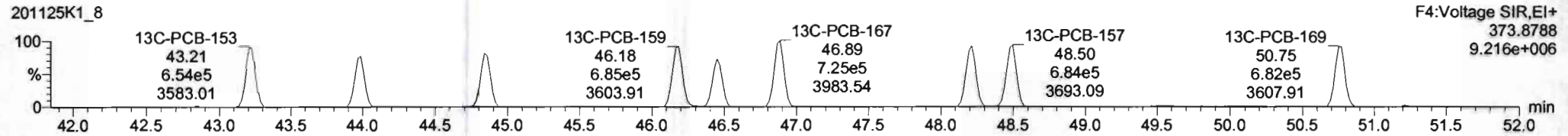
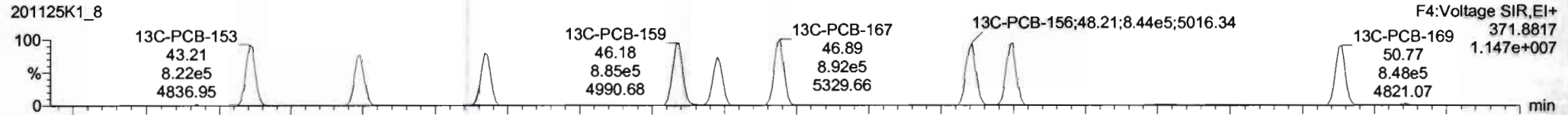
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

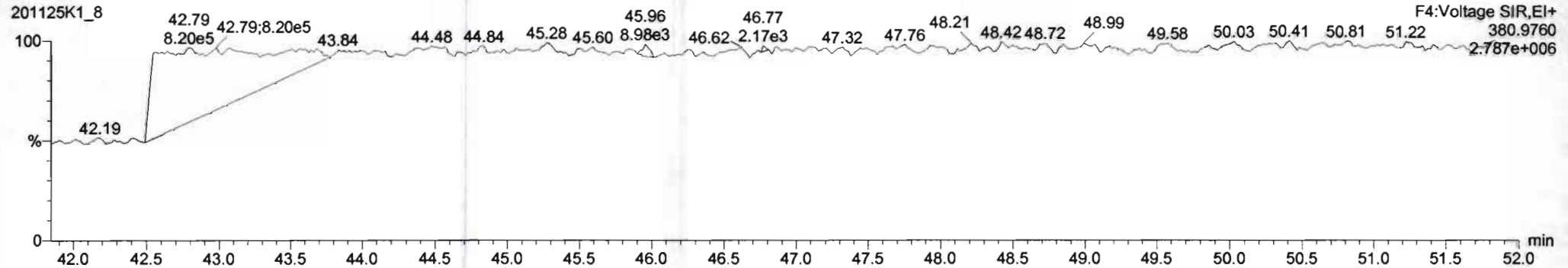
**PCB-134/143**



**13C-PCB-153**



**PFK4b**



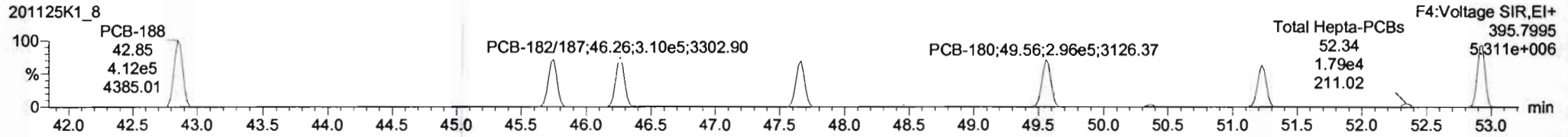
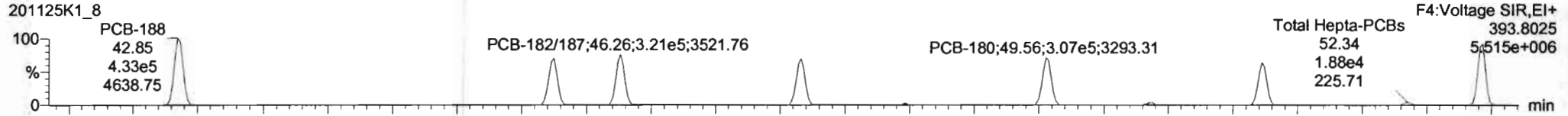


Dataset: Untitled

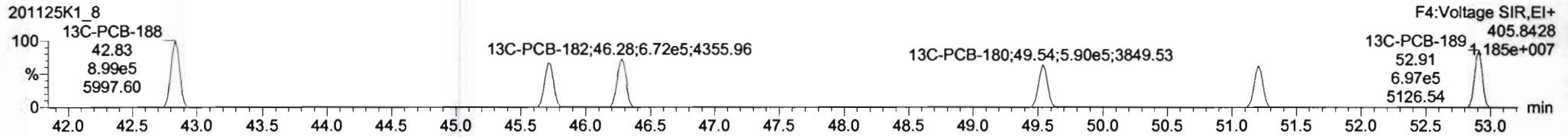
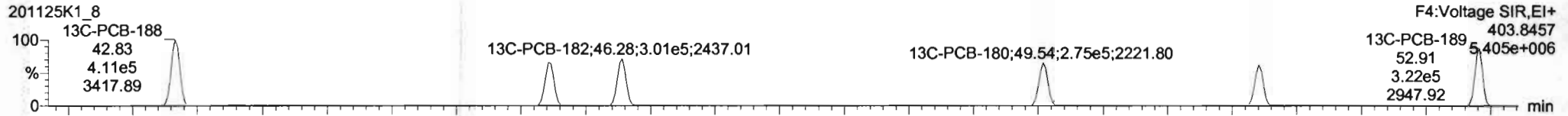
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

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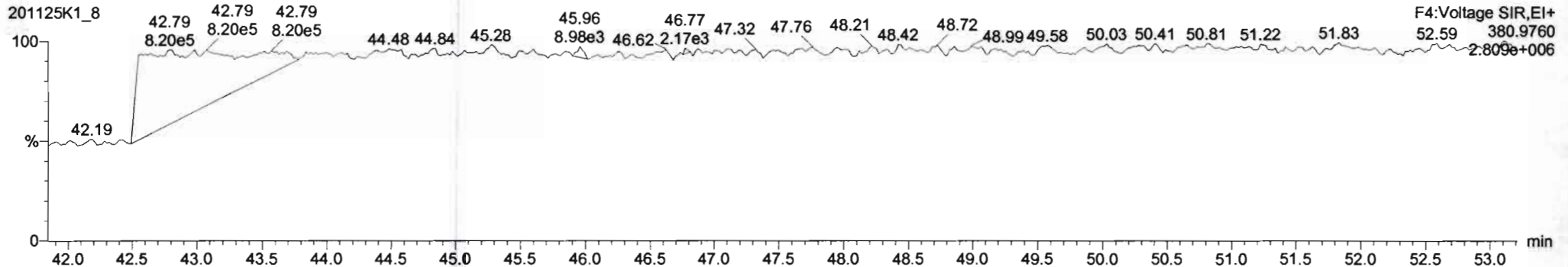
**PCB-188**



**13C-PCB-188**



**PFK4c**



Dataset: Untitled

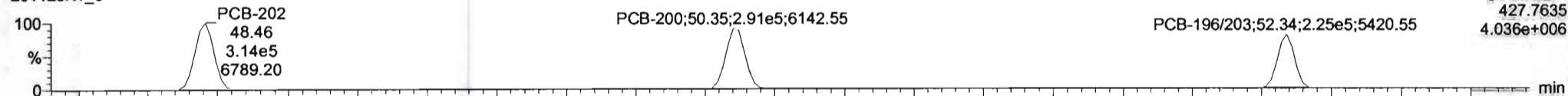
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

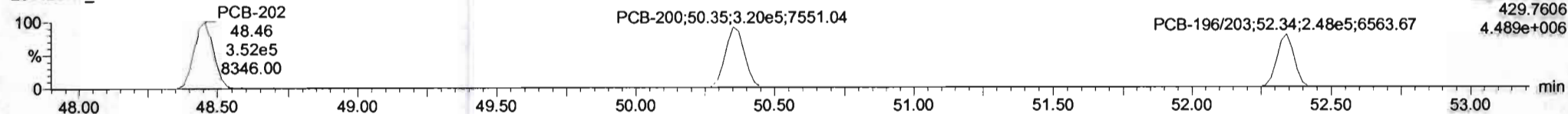
Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

**PCB-202**

201125K1\_8



201125K1\_8

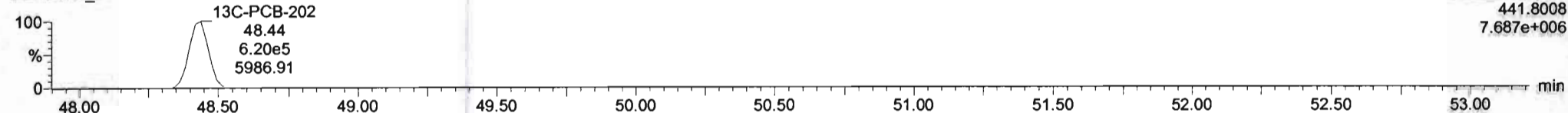


**13C-PCB-202**

201125K1\_8

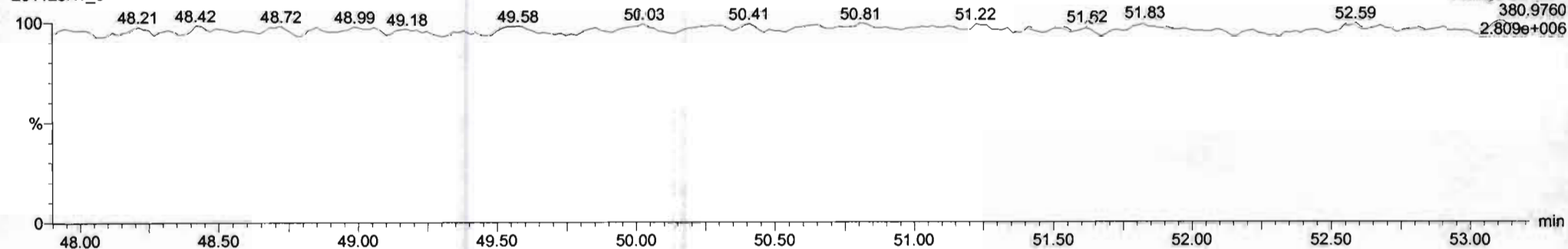


201125K1\_8



**PFK4d**

201125K1\_8



Dataset: Untitled

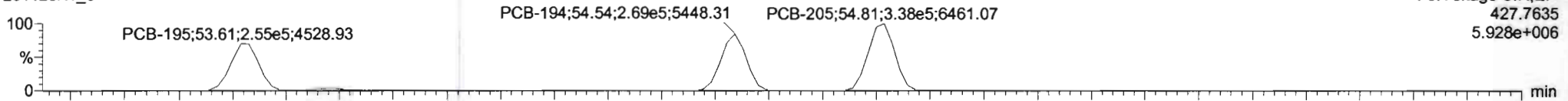
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

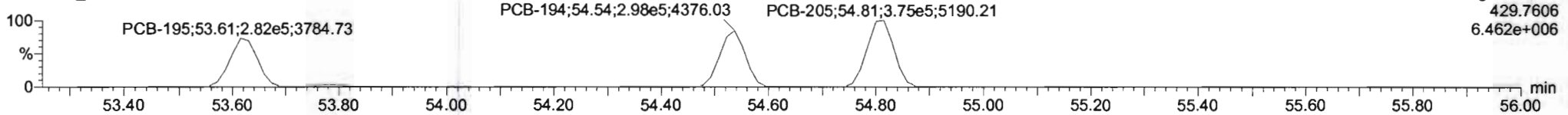
Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

**PCB-195**

201125K1\_8

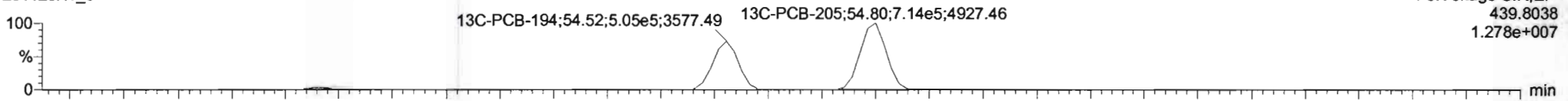


201125K1\_8

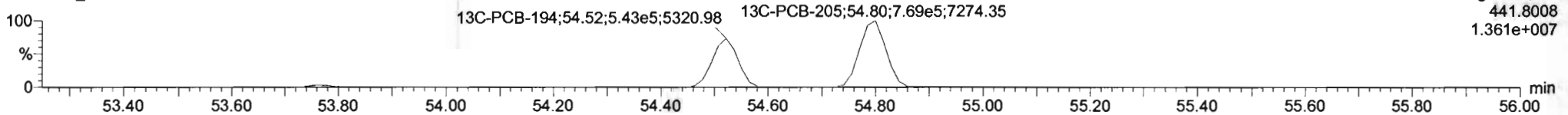


**13C-PCB-194**

201125K1\_8

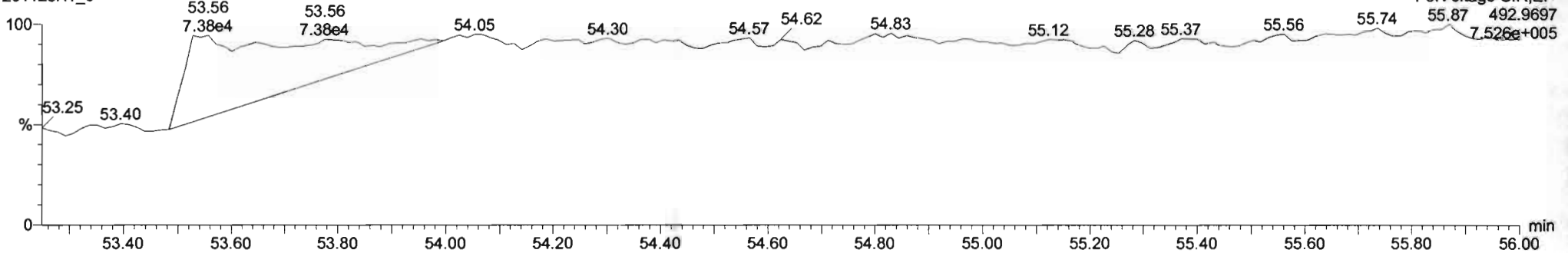


201125K1\_8



**PFK5a**

201125K1\_8

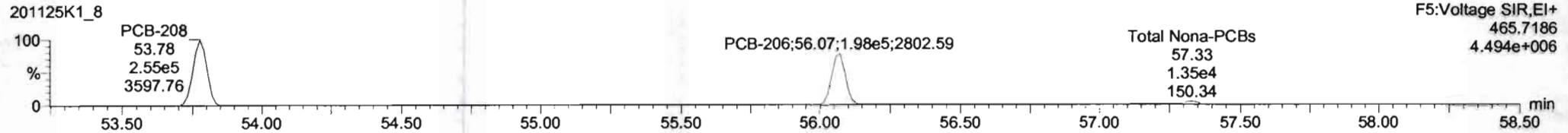
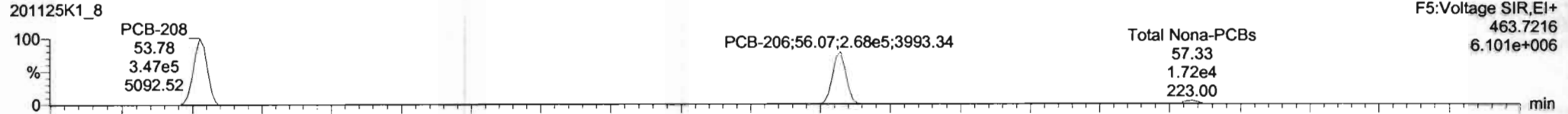


Dataset: Untitled

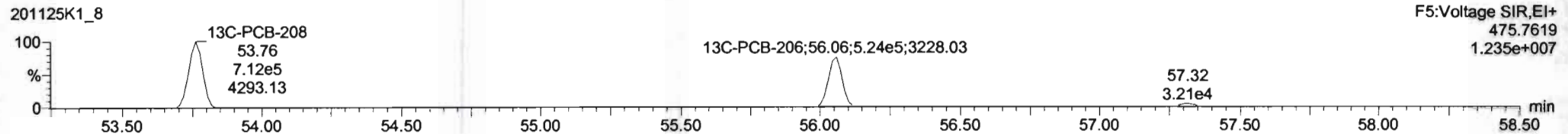
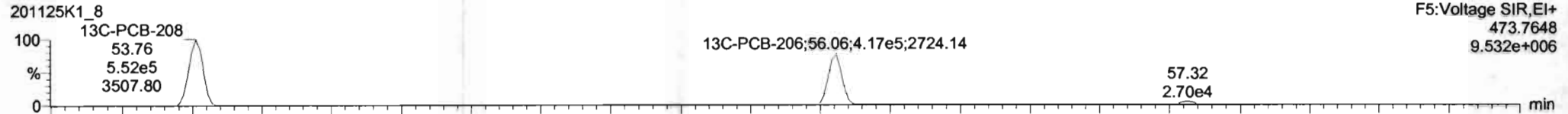
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

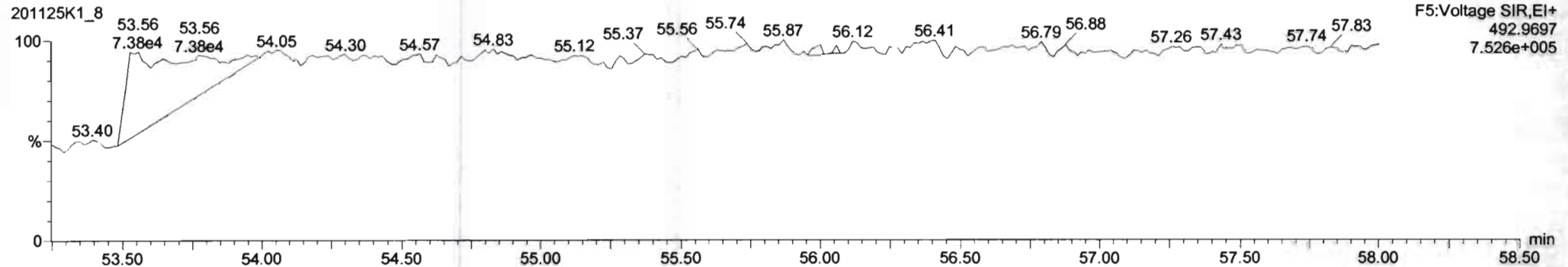
**PCB-208**



**13C-PCB-208**



**PFK5**





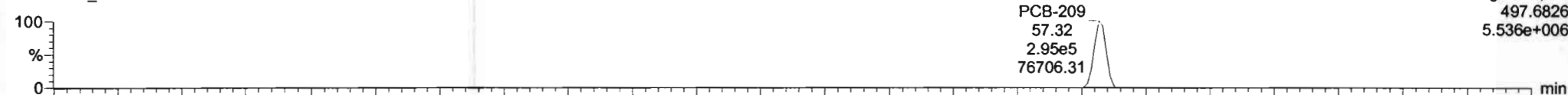
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

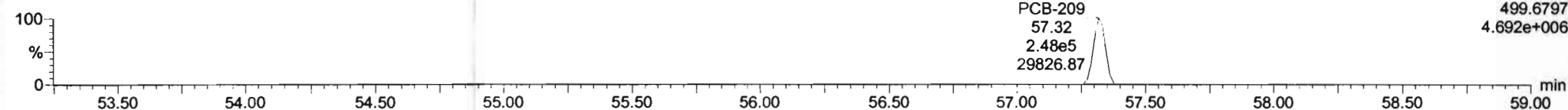
**PCB-209**

201125K1\_8



F5:Voltage SIR,EI+  
497.6826  
5.536e+006

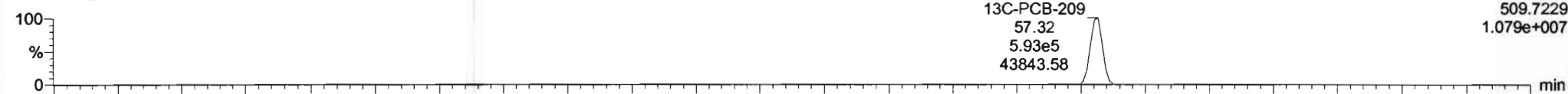
201125K1\_8



F5:Voltage SIR,EI+  
499.6797  
4.692e+006

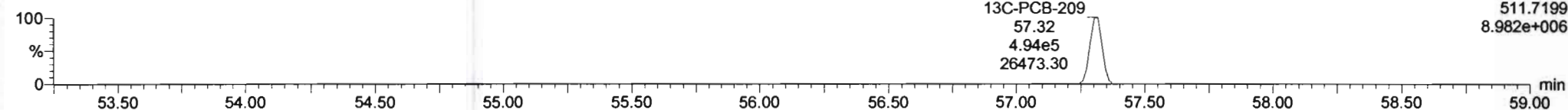
**13C-PCB-209**

201125K1\_8



F5:Voltage SIR,EI+  
509.7229  
1.079e+007

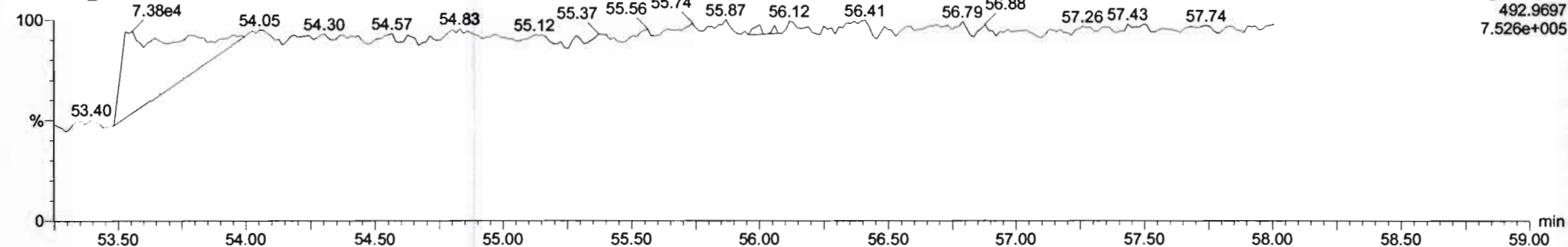
201125K1\_8



F5:Voltage SIR,EI+  
511.7199  
8.982e+006

**PFK5b**

201125K1\_8



F5:Voltage SIR,EI+  
492.9697  
7.526e+005

Dataset: Untitled

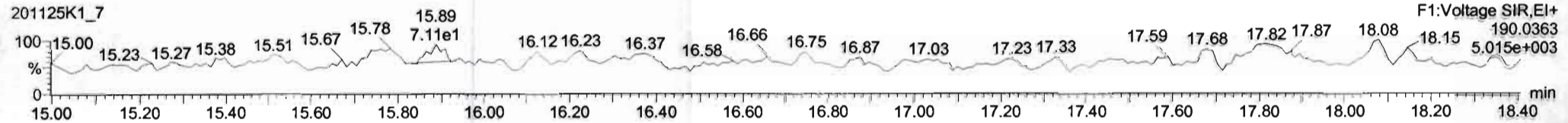
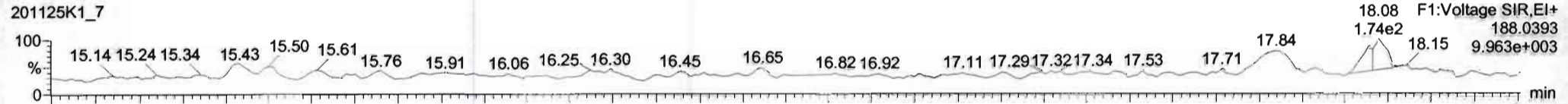
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

*HZ* *11-25-2020* *GRB 11/26/2020*

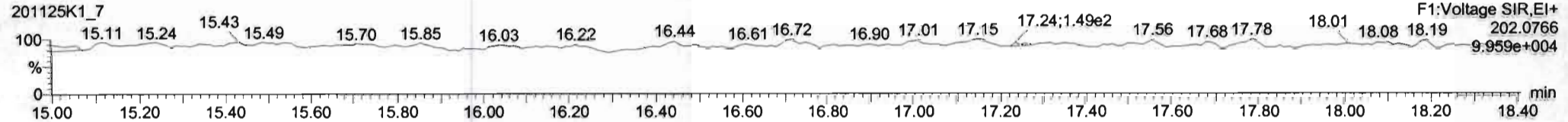
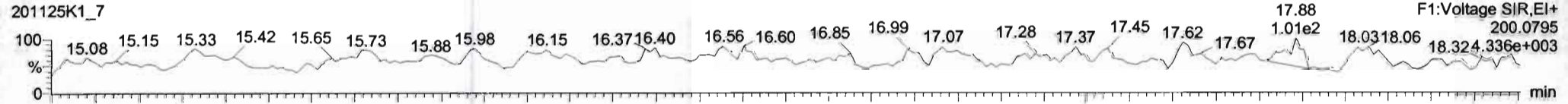
Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_11-24-20.mdb 25 Nov 2020 08:43:46  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

Name: 201125K1\_7, Date: 25-Nov-2020, Time: 15:49:32, ID: SOLVENT BLANK, Description: SOLVENT BLANK

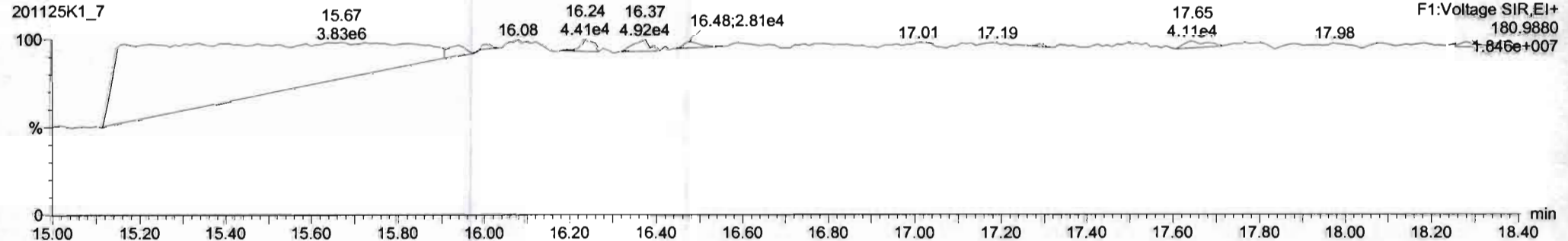
**PCB-1**



**13C-PCB-1**



**PFK1**



Dataset: Untitled

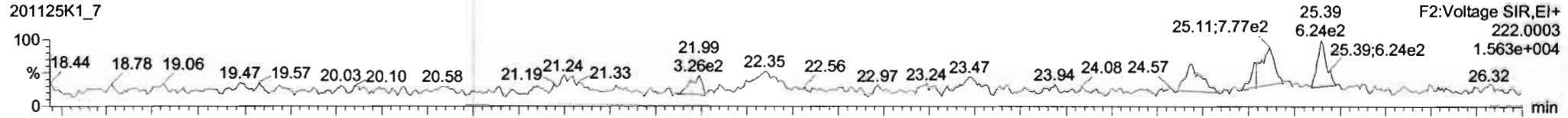
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Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

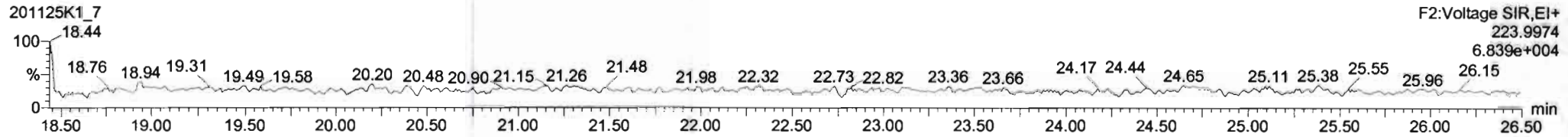
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**PCB-4/10**

201125K1\_7

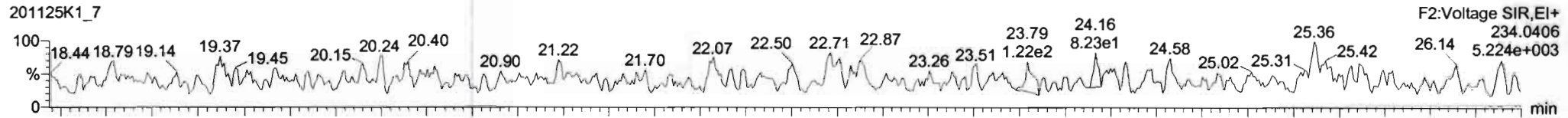


201125K1\_7

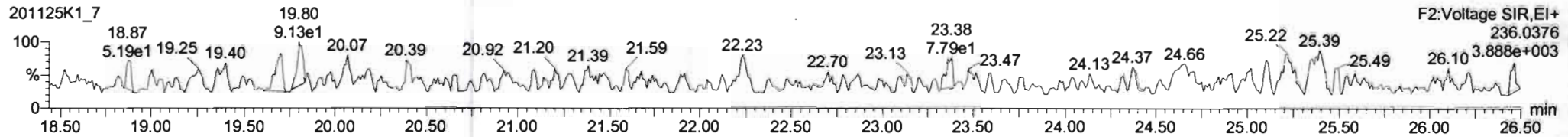


**13C-PCB-4**

201125K1\_7

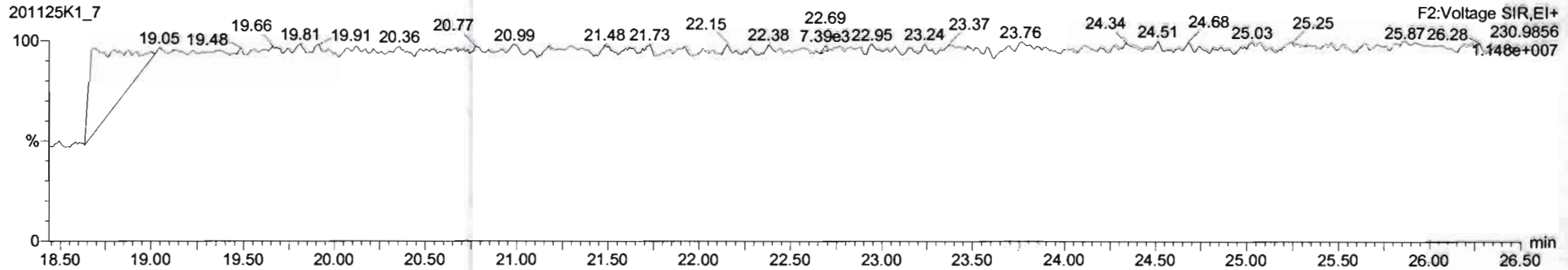


201125K1\_7



**PFK2a**

201125K1\_7





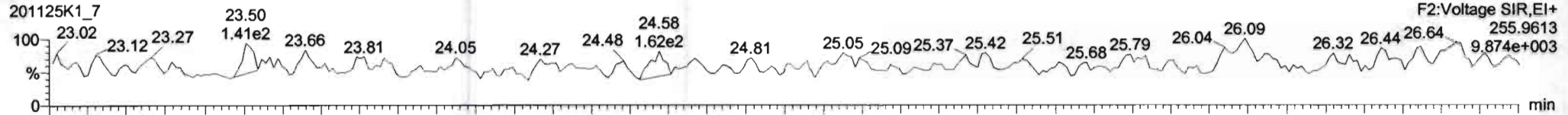
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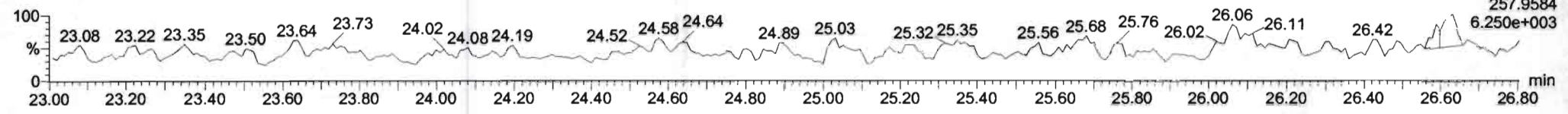
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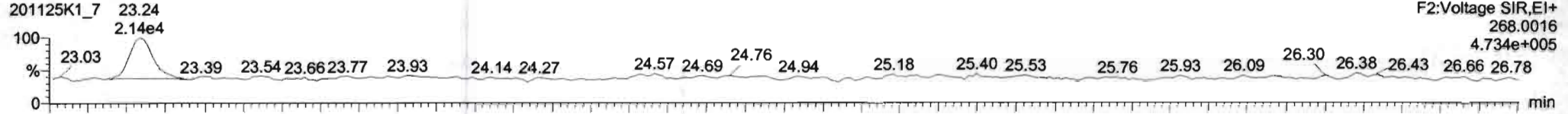
**PCB-19**



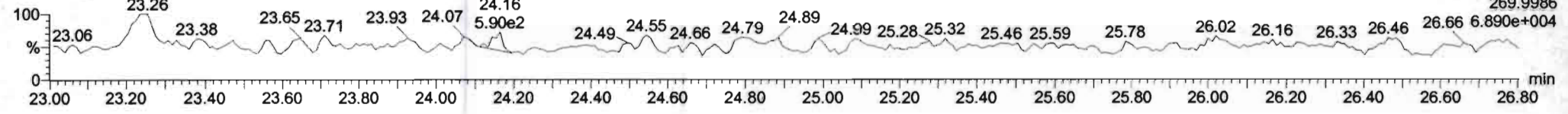
**PCB-19**



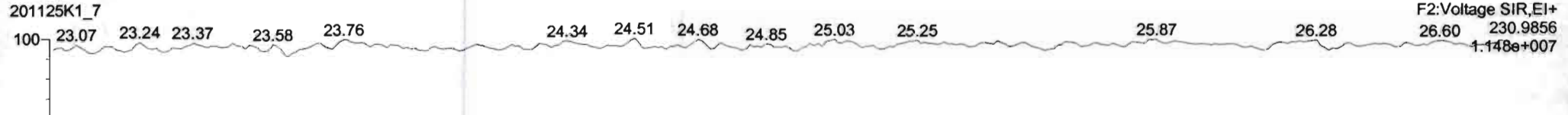
**13C-PCB-19**



**PCB-19**



**PFK2b**



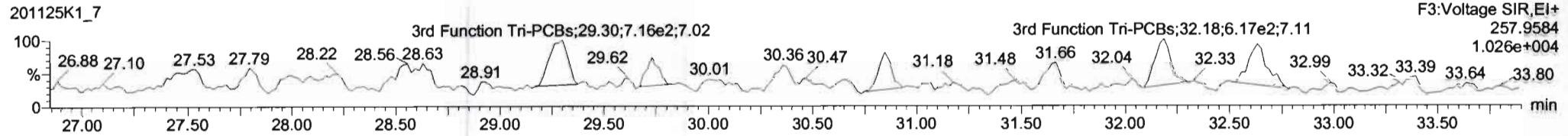
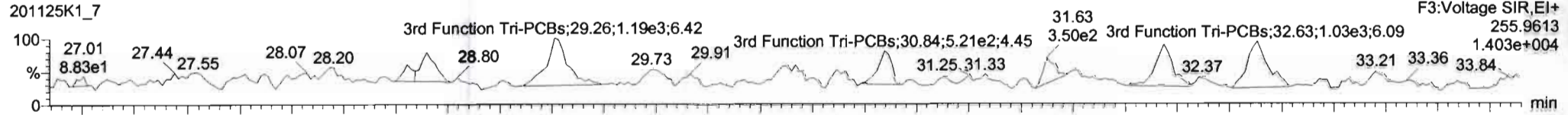
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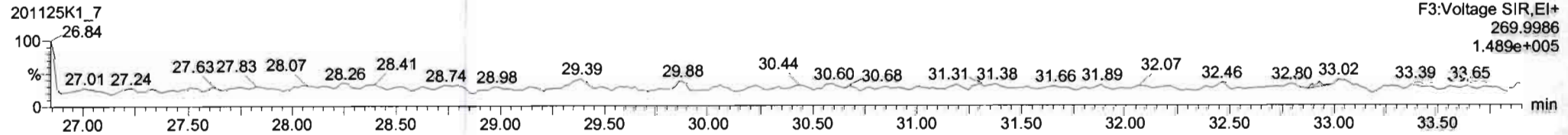
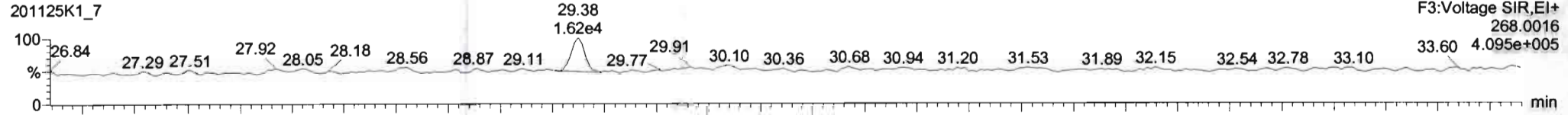
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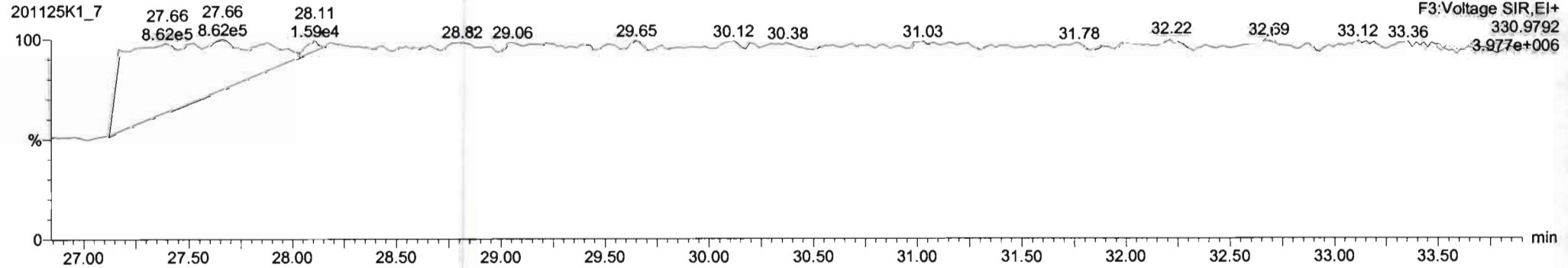
**PCB-34**



**13C-PCB-28**



**PFK3d**

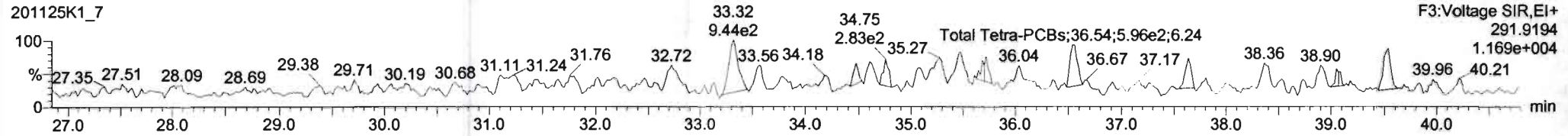
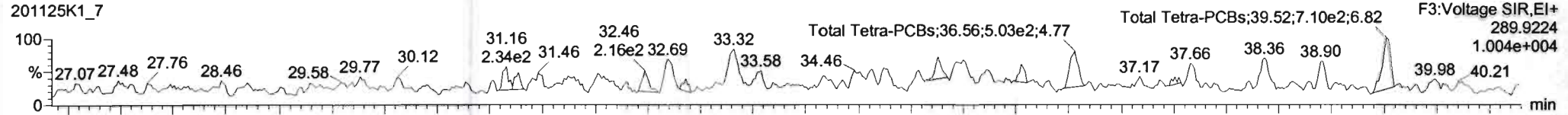


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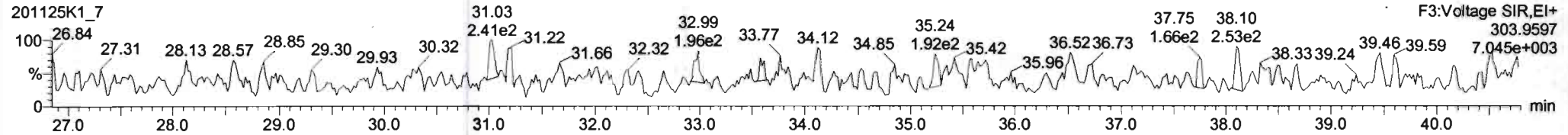
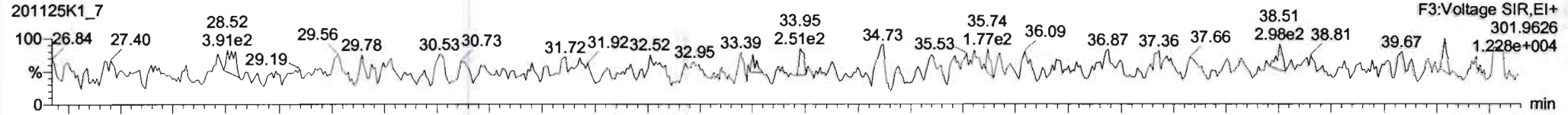
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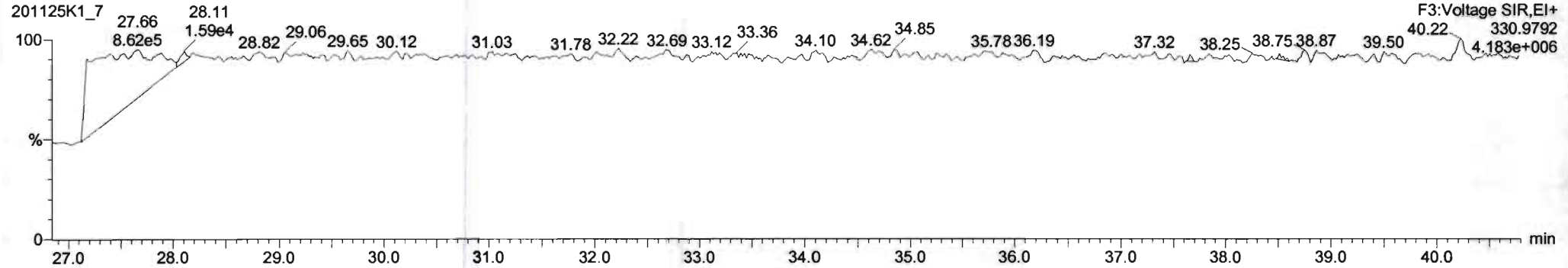
PCB-54



13C-PCB-54



PFK3a





Dataset: Untitled

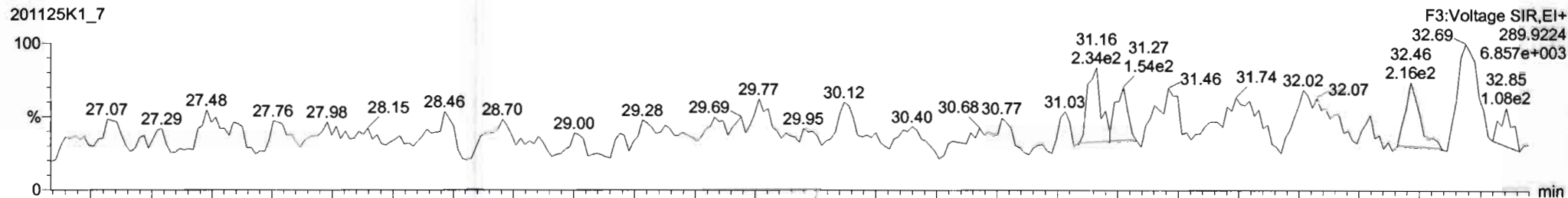
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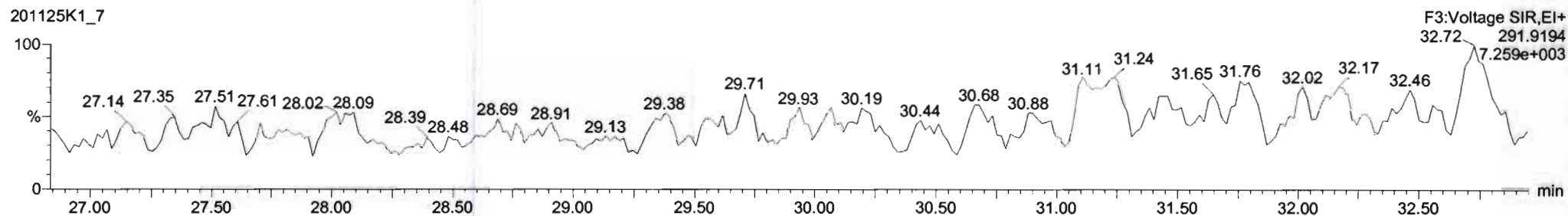
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**PCB-50**

201125K1\_7

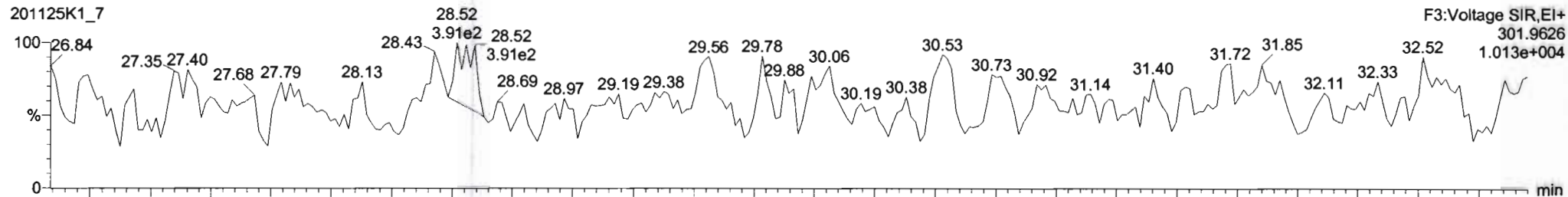


201125K1\_7

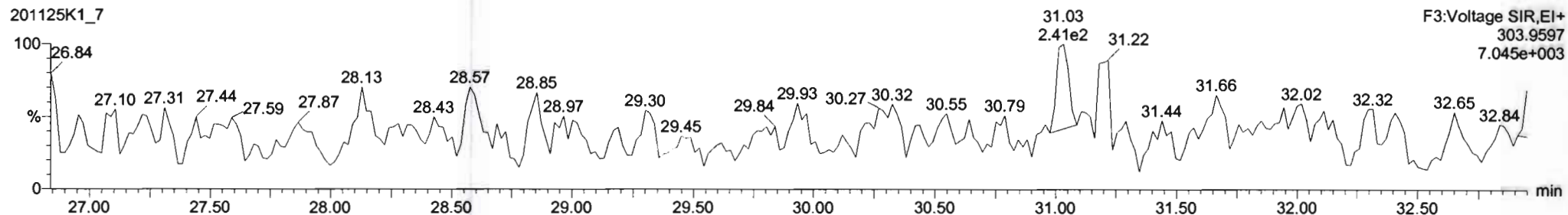


**13C-PCB-52**

201125K1\_7



201125K1\_7



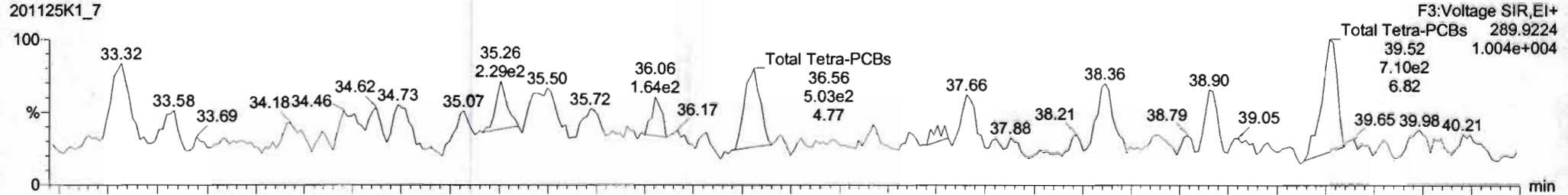
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

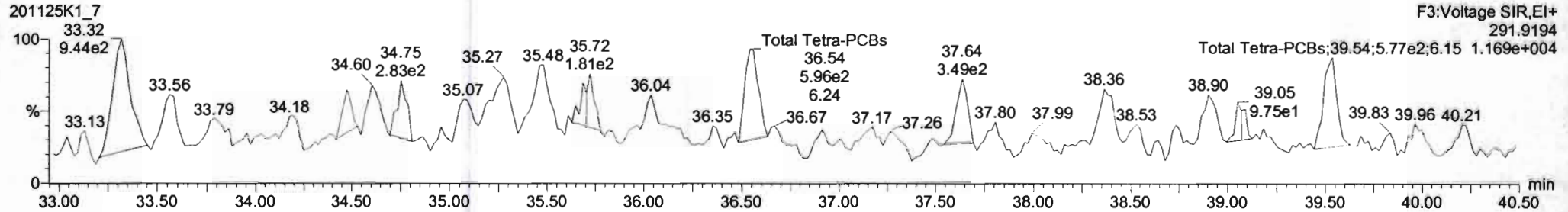
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PCB-68

201125K1\_7

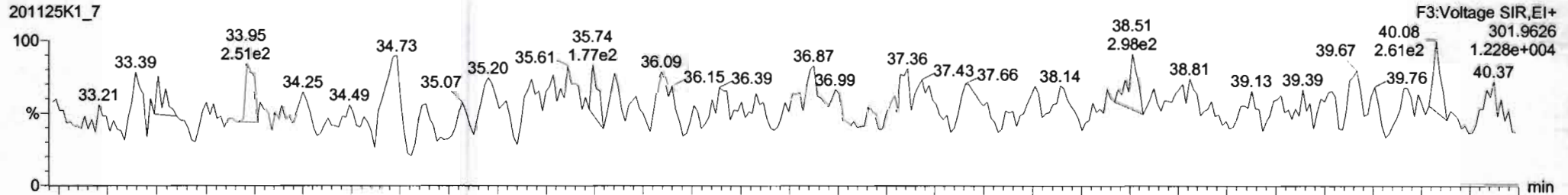


201125K1\_7

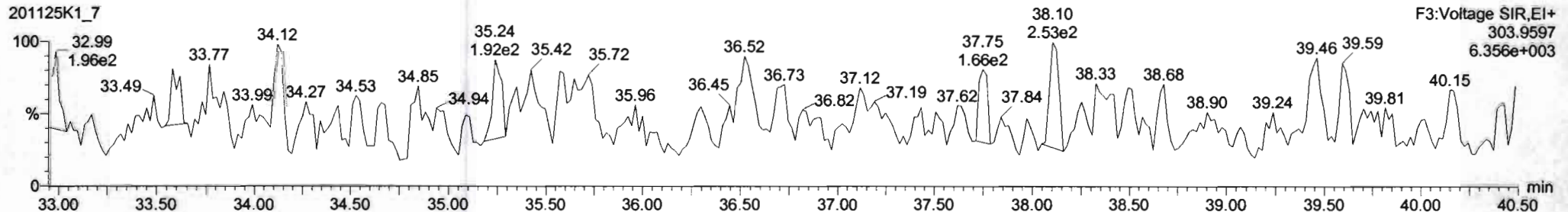


13C-PCB-60

201125K1\_7



201125K1\_7





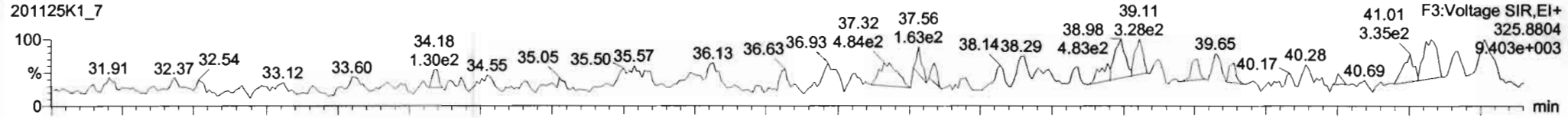
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Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

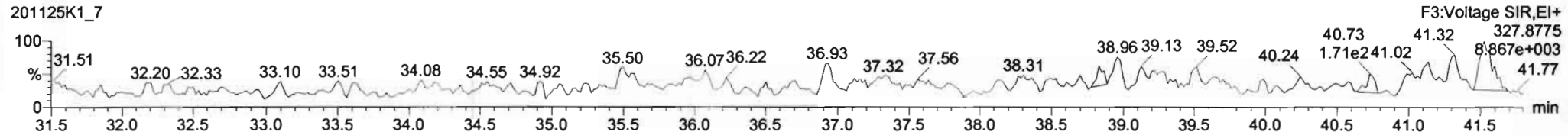
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**PCB-104**

201125K1\_7

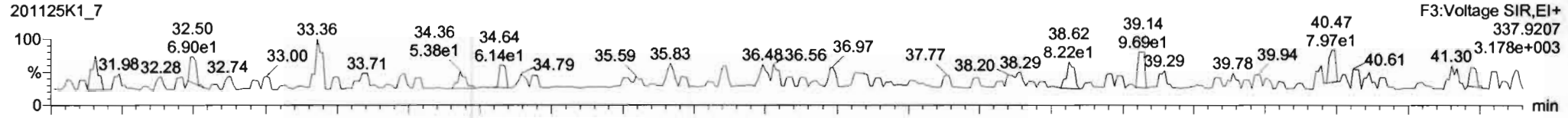


201125K1\_7

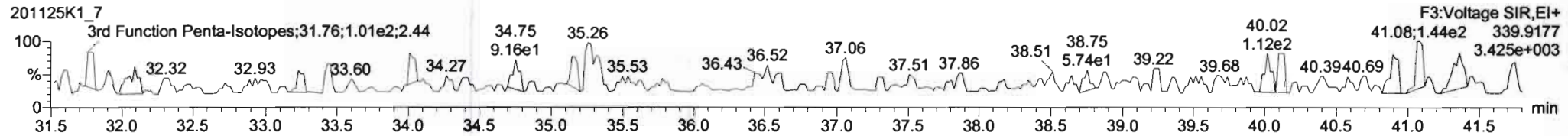


**13C-PCB-104**

201125K1\_7

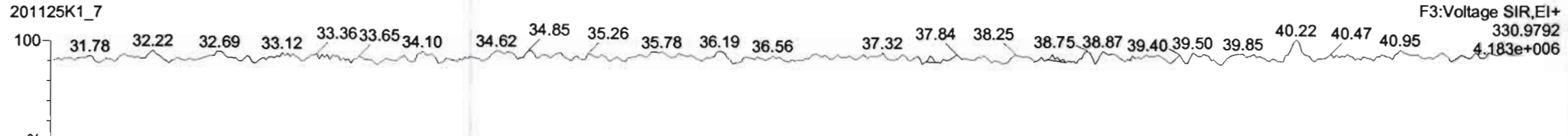


201125K1\_7



**PFK3b**

201125K1\_7



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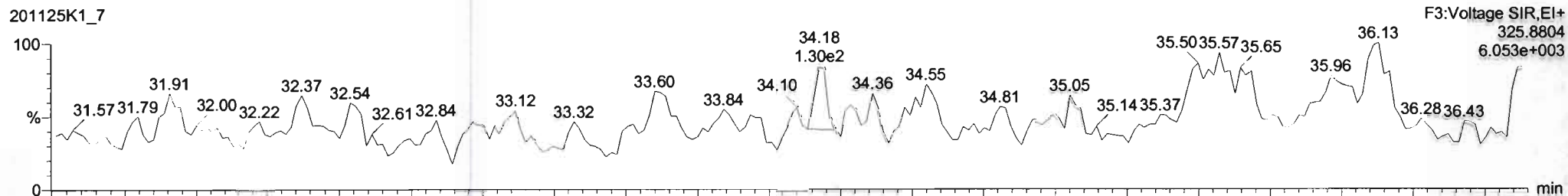
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

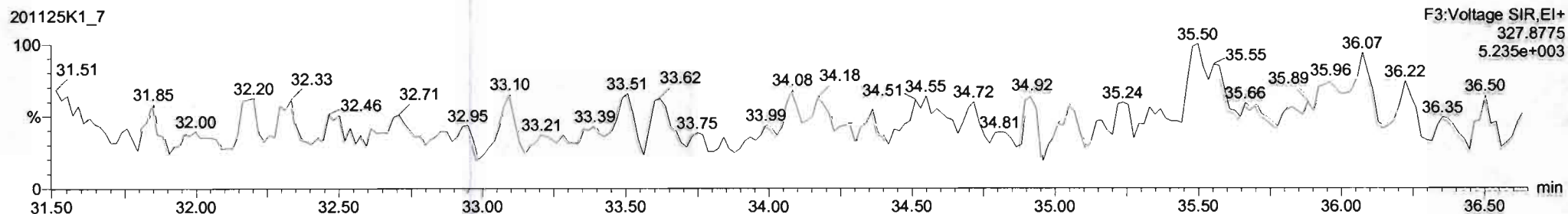
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PCB-96

201125K1\_7

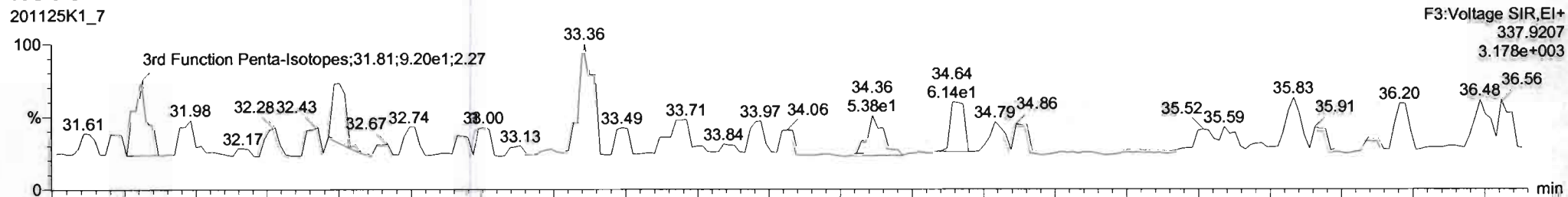


201125K1\_7

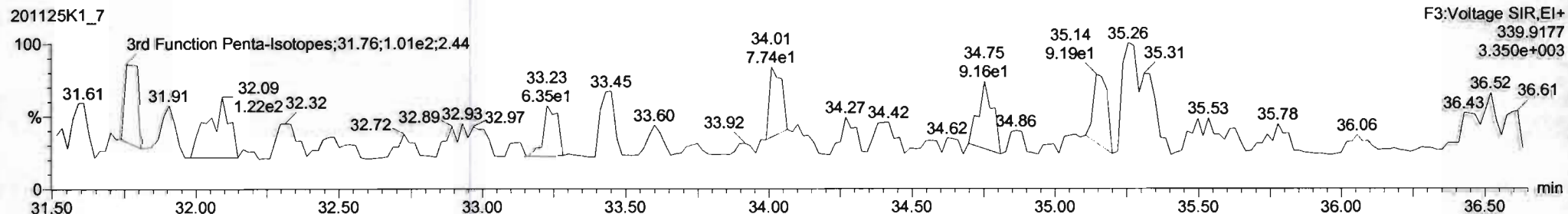


13C-PCB-95

201125K1\_7



201125K1\_7



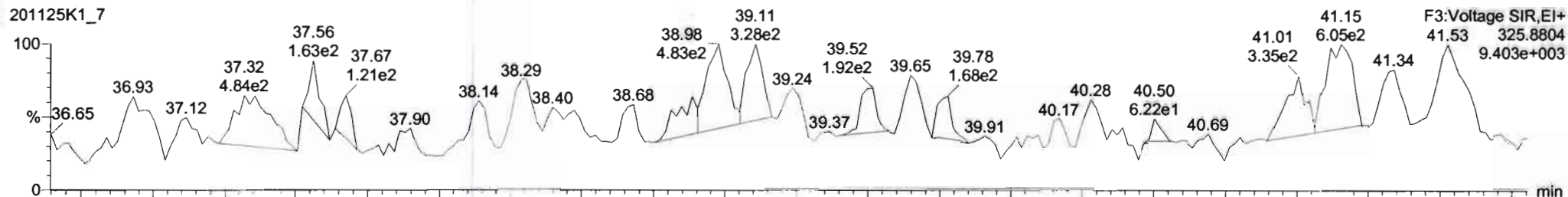
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Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

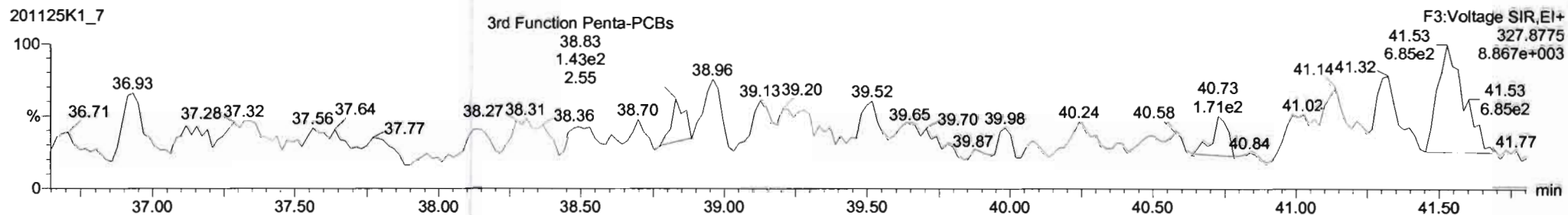
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PCB-119

201125K1\_7

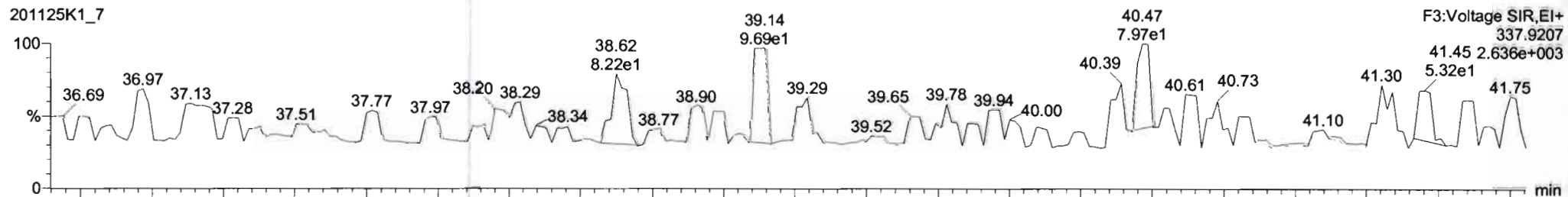


201125K1\_7

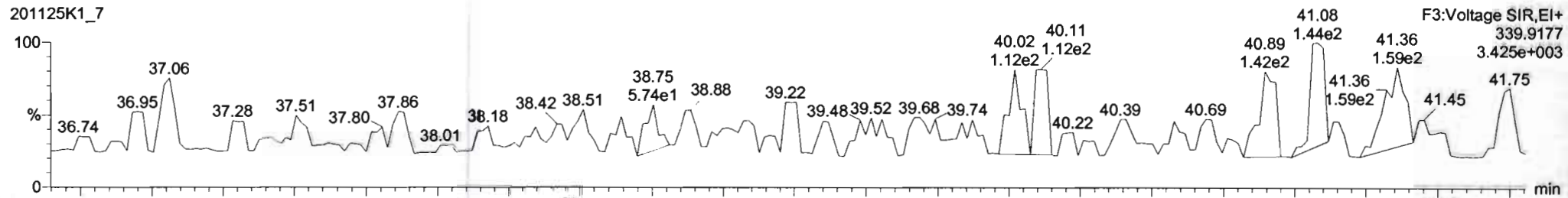


13C-PCB-111

201125K1\_7



201125K1\_7



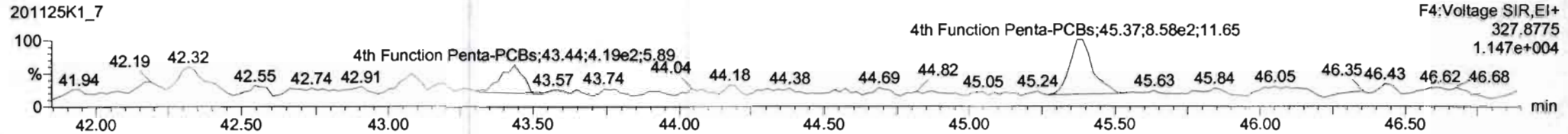
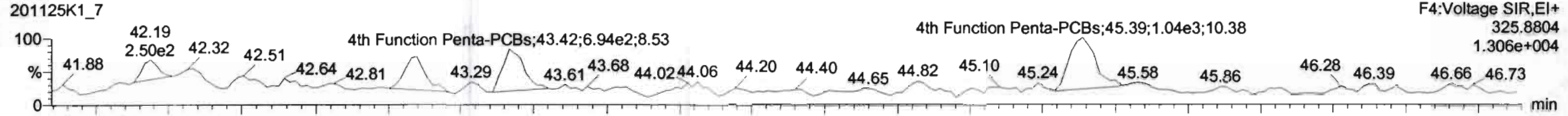


Dataset: Untitled

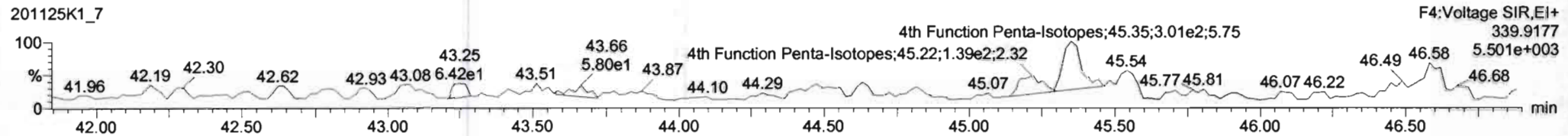
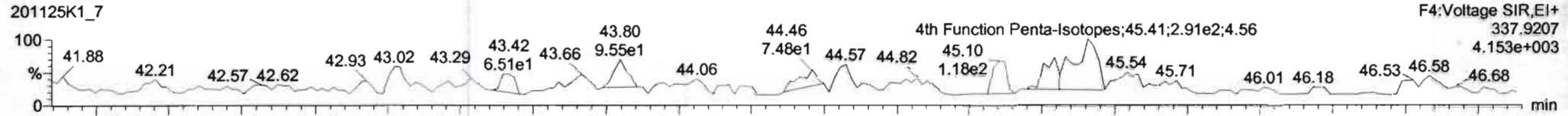
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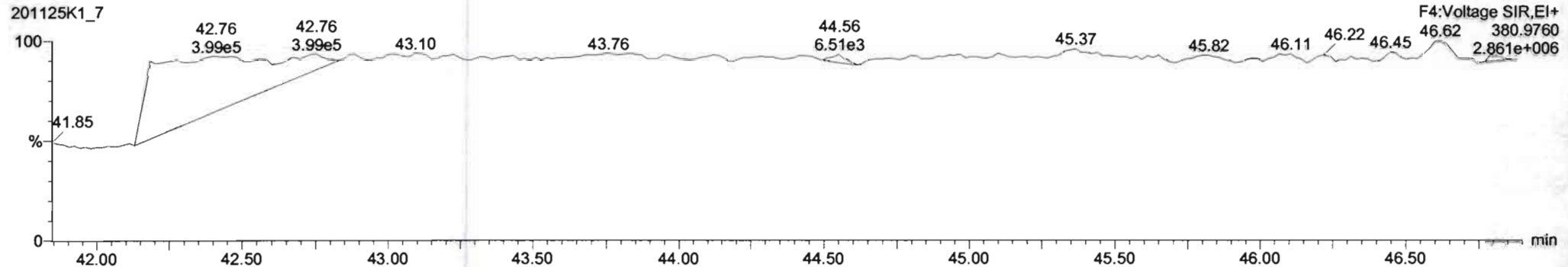
**PCB-114**



**13C-PCB-114**



**PFK4a**



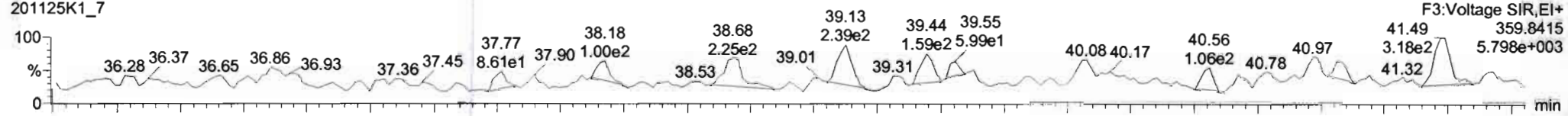
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Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

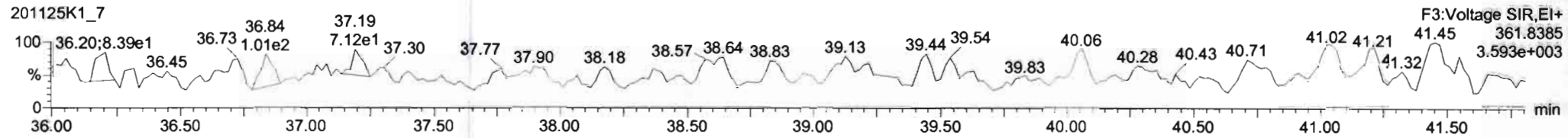
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**PCB-155**

201125K1\_7

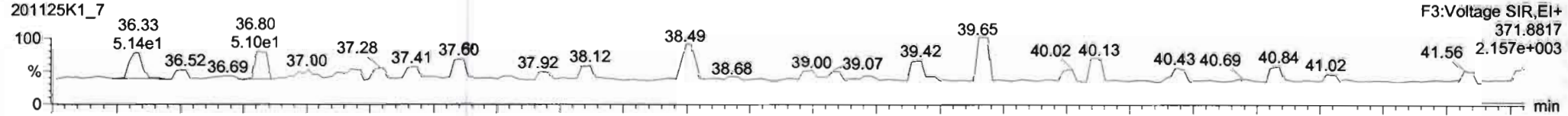


201125K1\_7

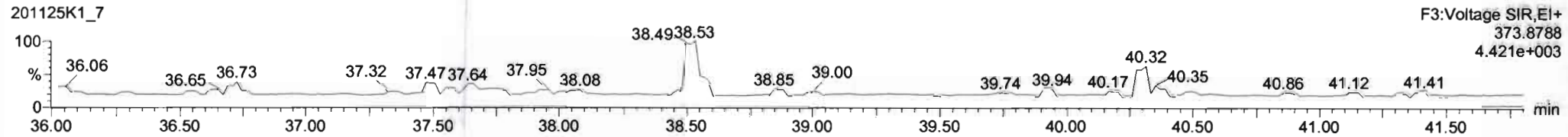


**13C-PCB-155**

201125K1\_7

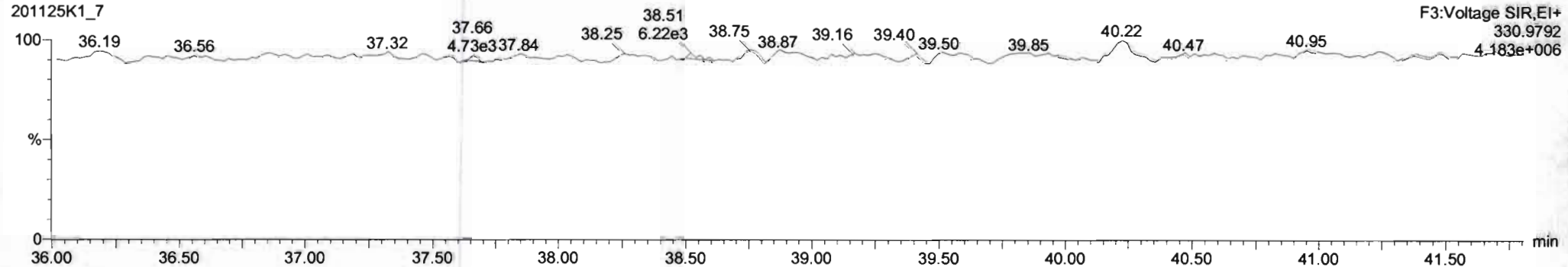


201125K1\_7



**PFK3c**

201125K1\_7

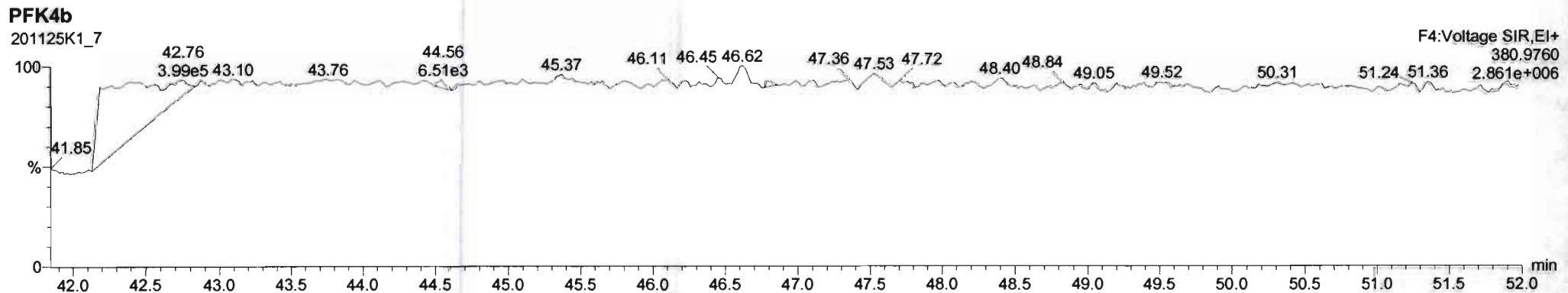
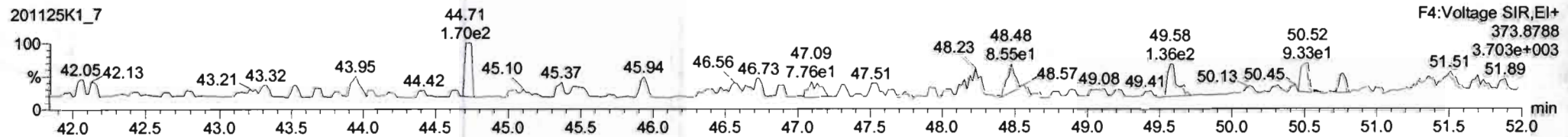
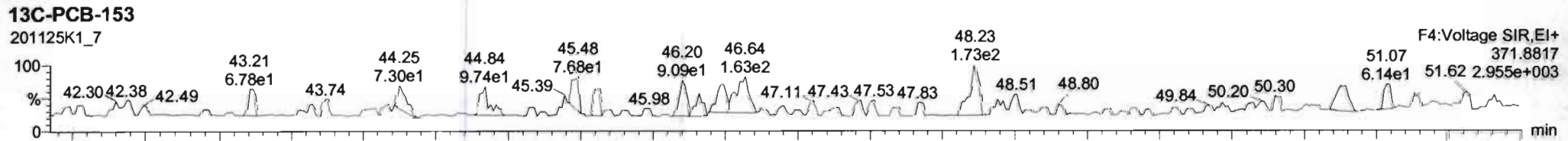
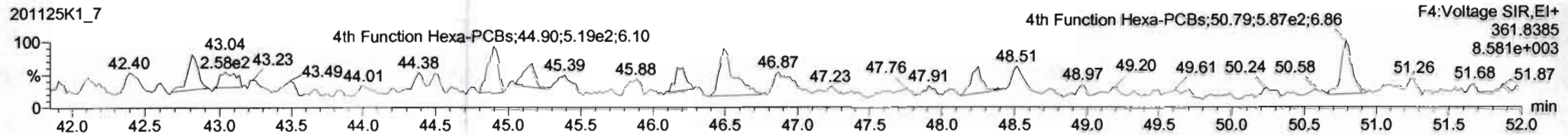
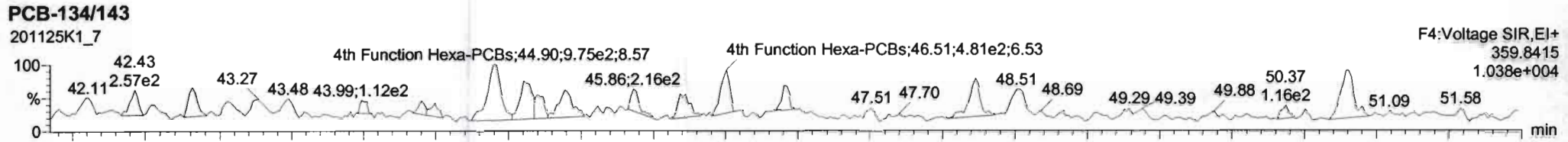


Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

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Dataset: Untitled

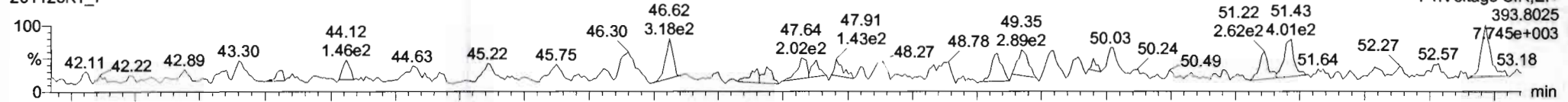
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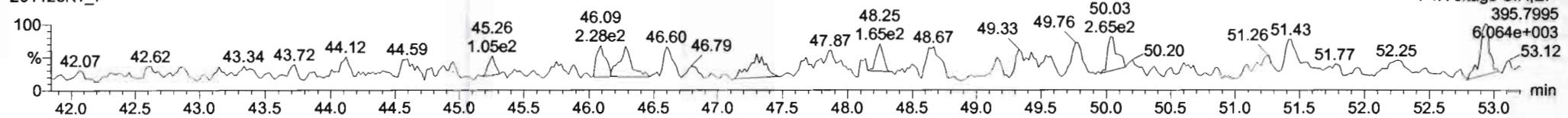
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**PCB-188**

201125K1\_7

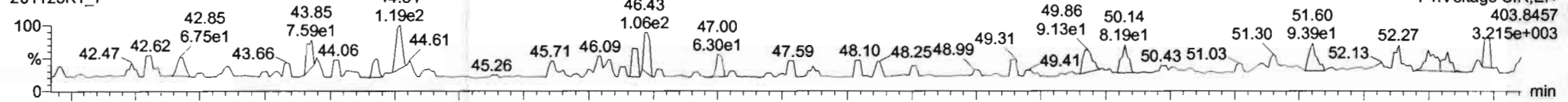


201125K1\_7

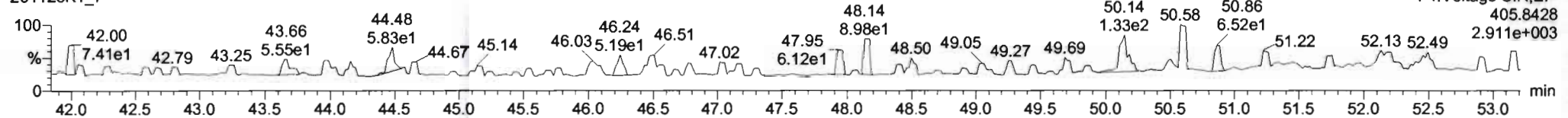


**13C-PCB-188**

201125K1\_7

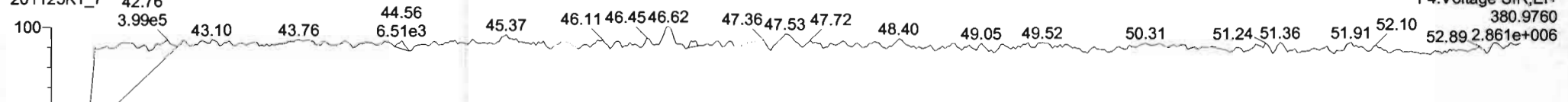


201125K1\_7



**PFK4c**

201125K1\_7



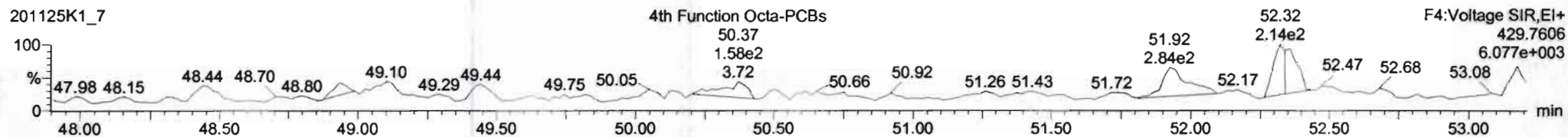
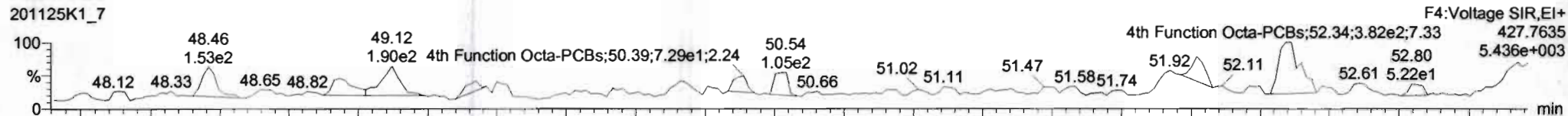
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

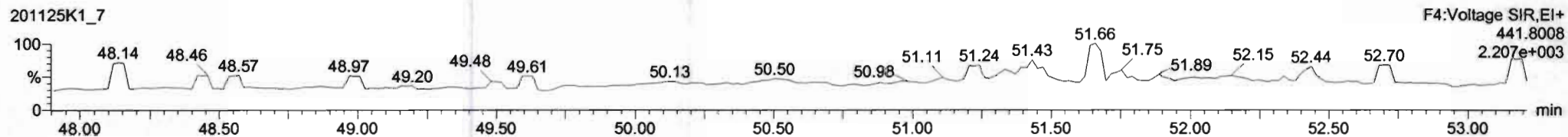
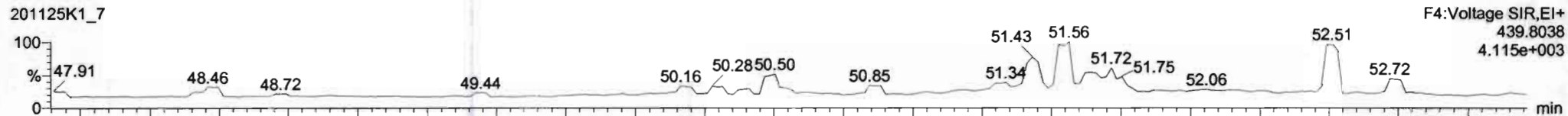
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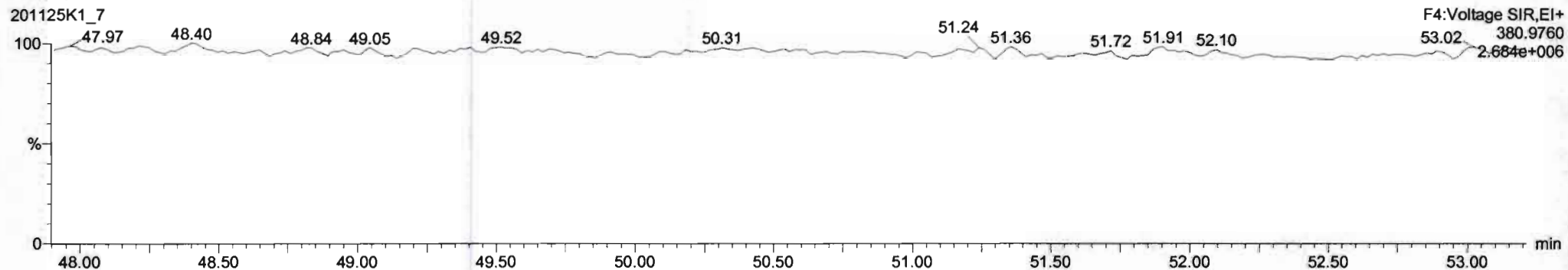
**PCB-202**



**13C-PCB-202**



**PFK4d**



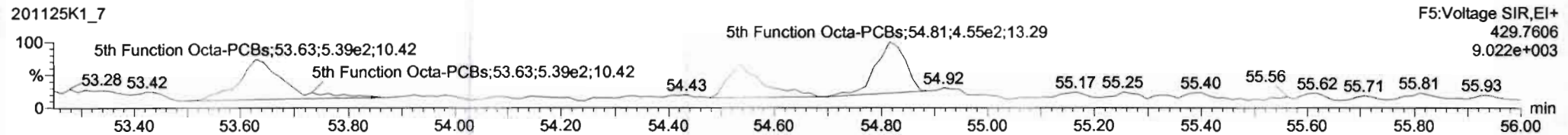
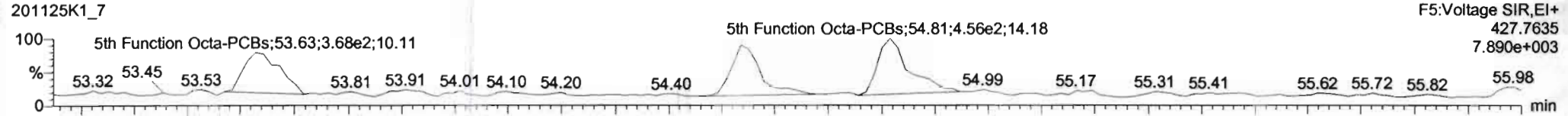


Dataset: Untitled

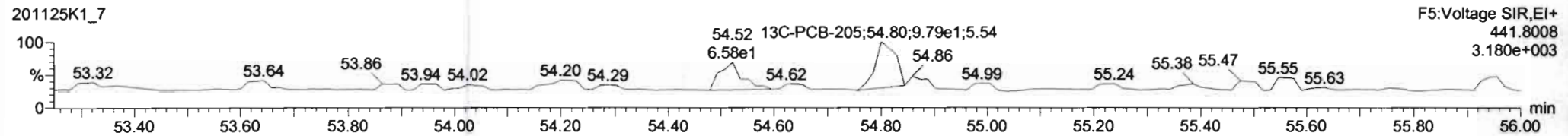
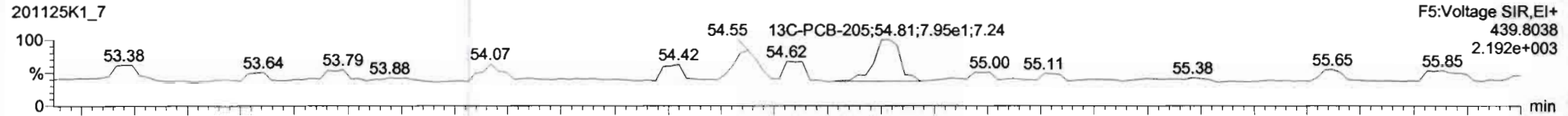
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_7, Date: 25-Nov-2020, Time: 15:49:32, ID: SOLVENT BLANK, Description: SOLVENT BLANK

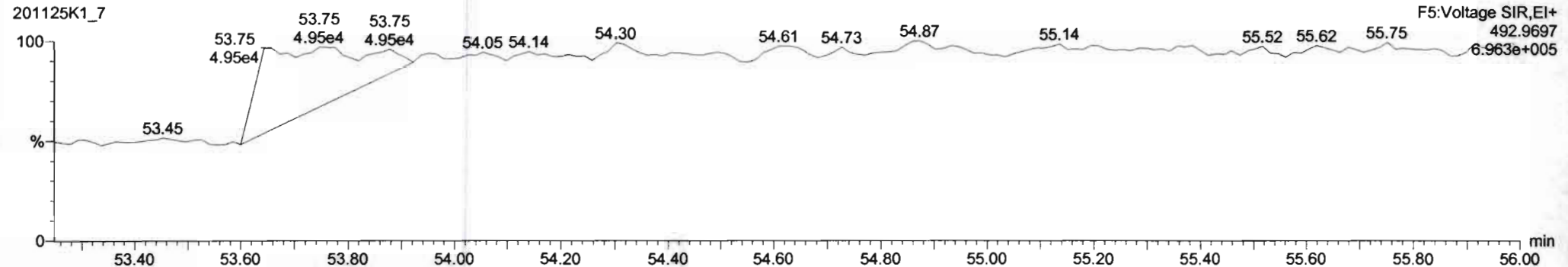
**PCB-195**



**13C-PCB-194**



**PFK5a**



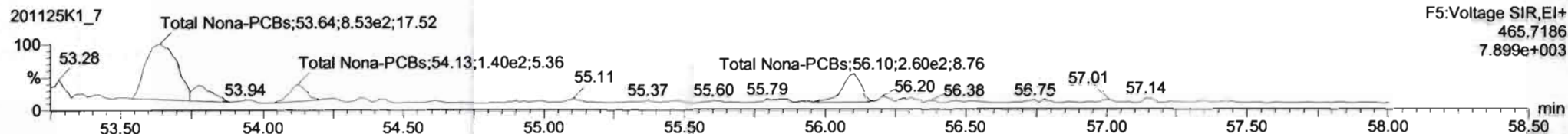
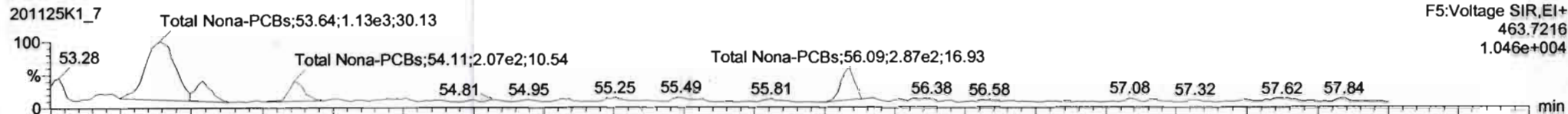
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Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

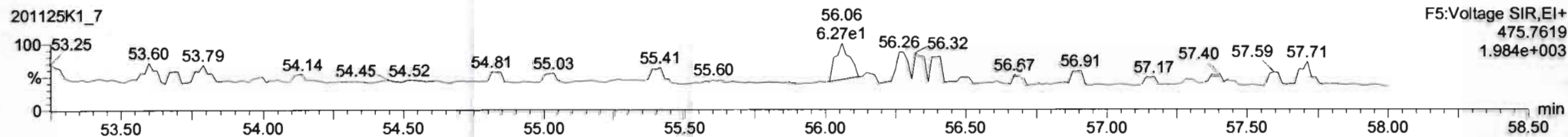
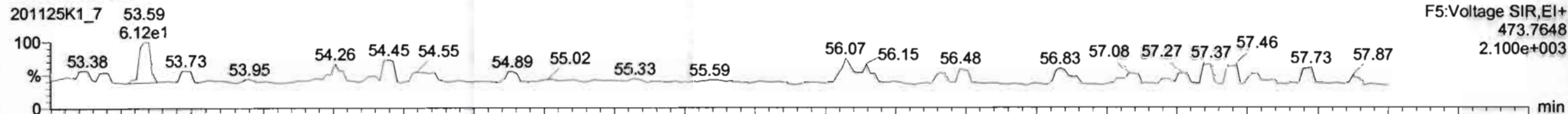
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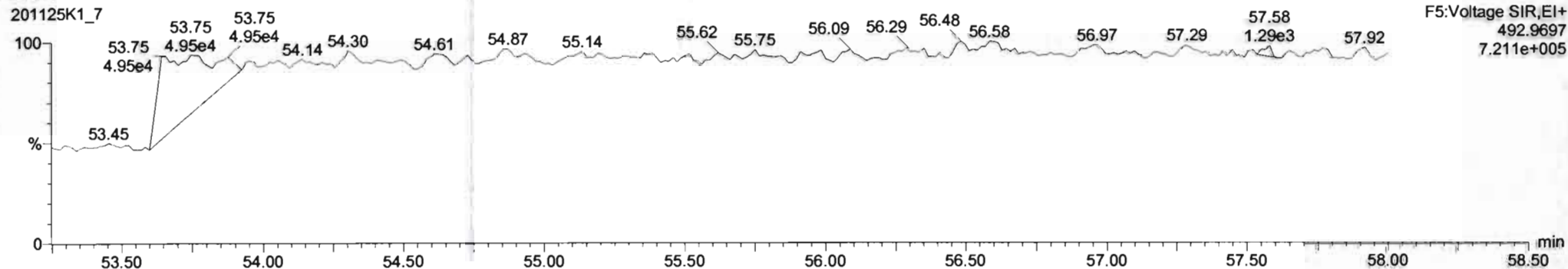
**PCB-208**



**13C-PCB-208**



**PFK5**



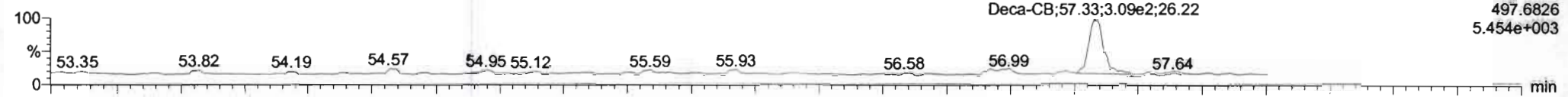
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Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

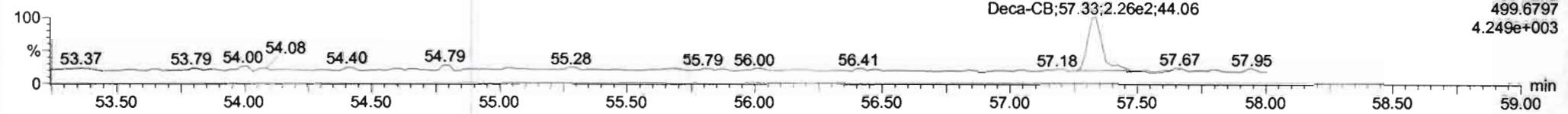
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**PCB-209**

201125K1\_7

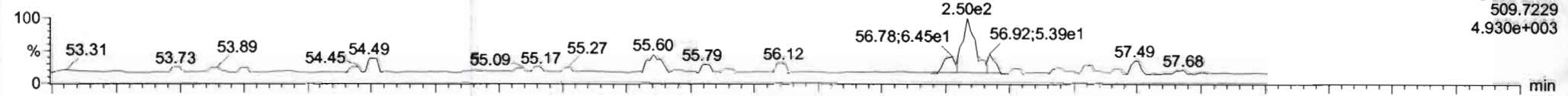


201125K1\_7

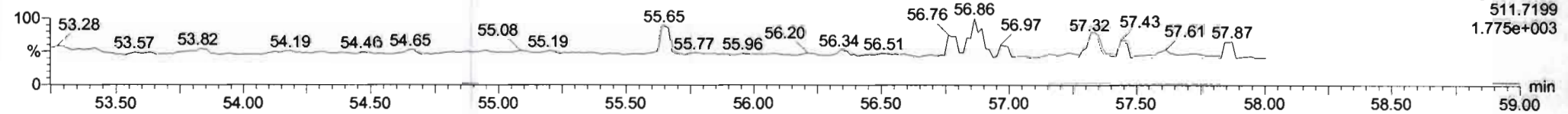


**13C-PCB-209**

201125K1\_7

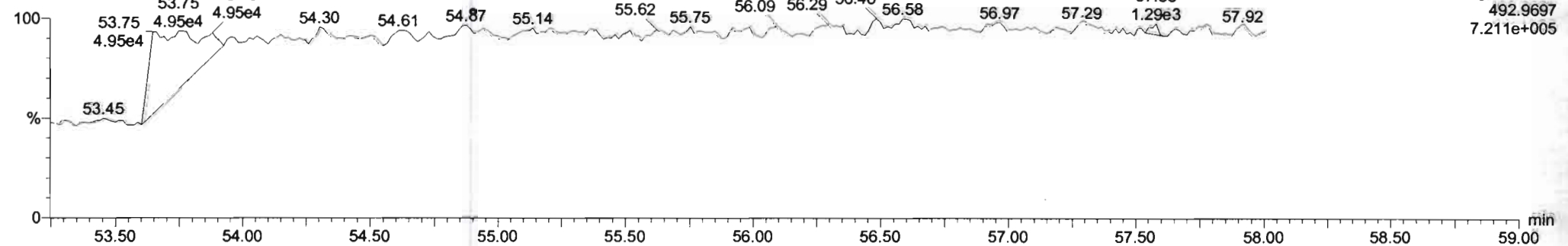


201125K1\_7



**PFK5b**

201125K1\_7





Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

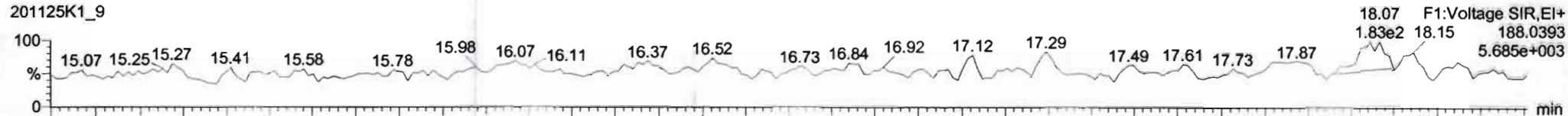
*HZ 11.26.2020*

*GRB 11/26/2020*

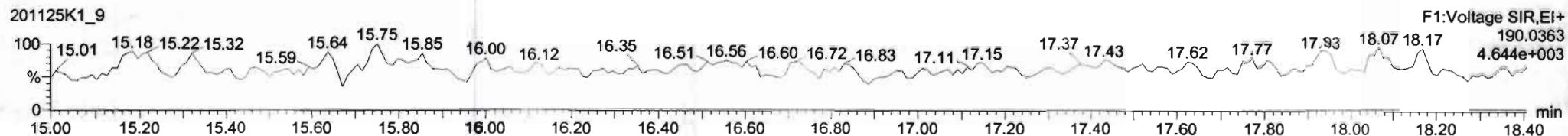
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**PCB-1**

201125K1\_9

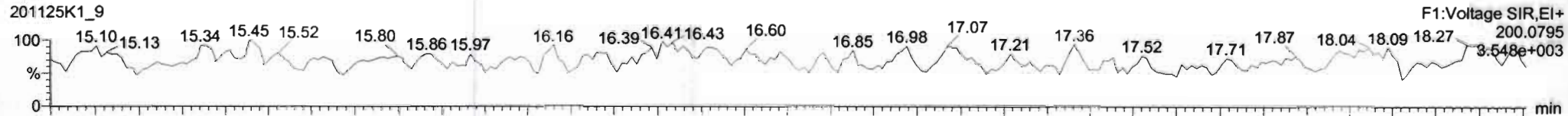


201125K1\_9

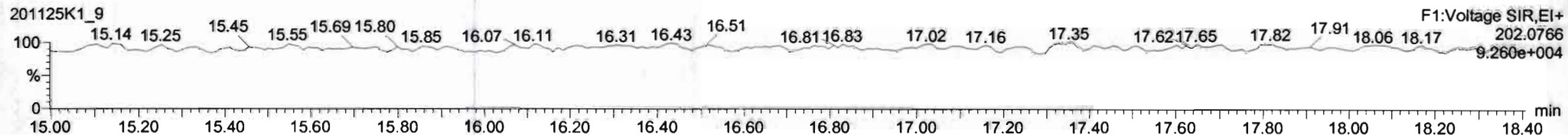


**13C-PCB-1**

201125K1\_9

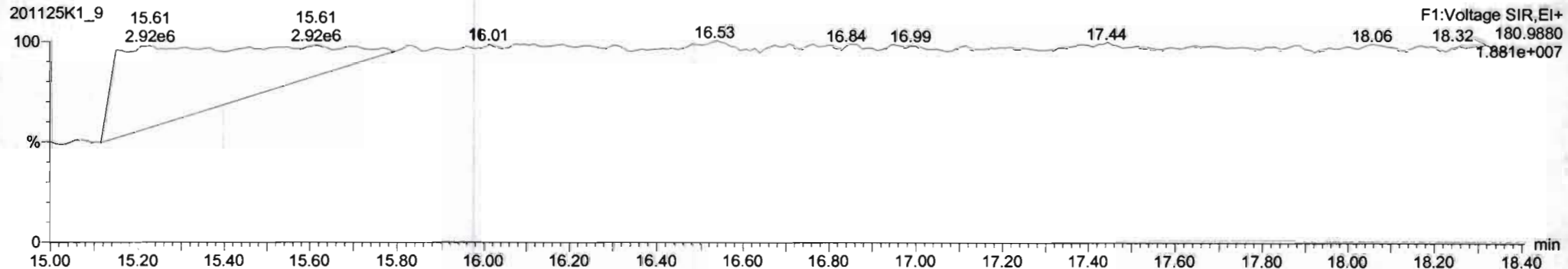


201125K1\_9



**PFK1**

201125K1\_9

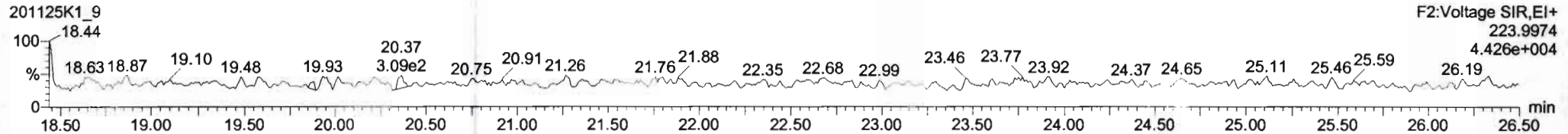
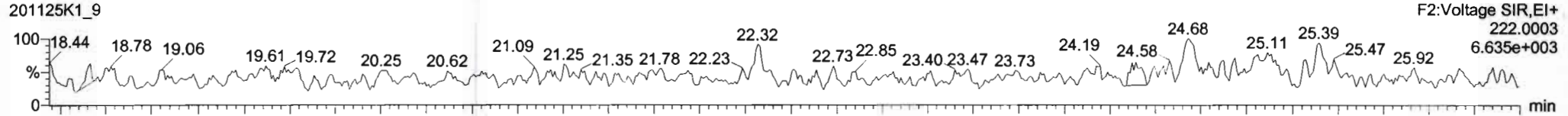


Dataset: Untitled

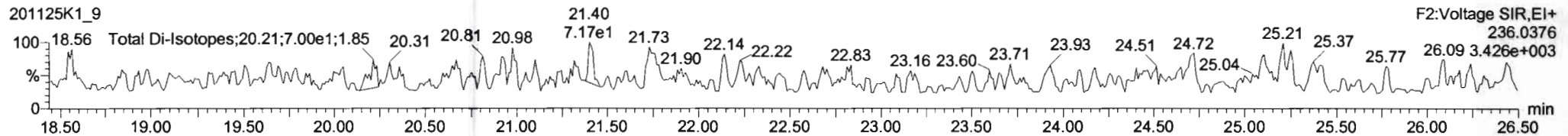
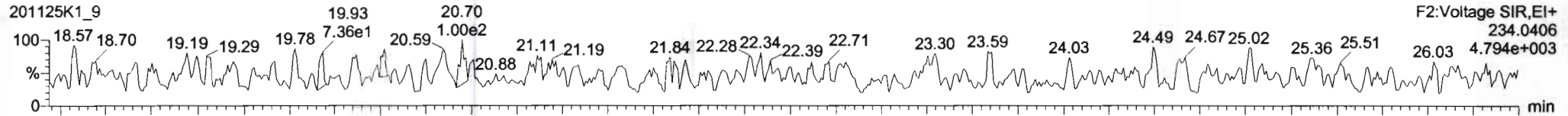
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

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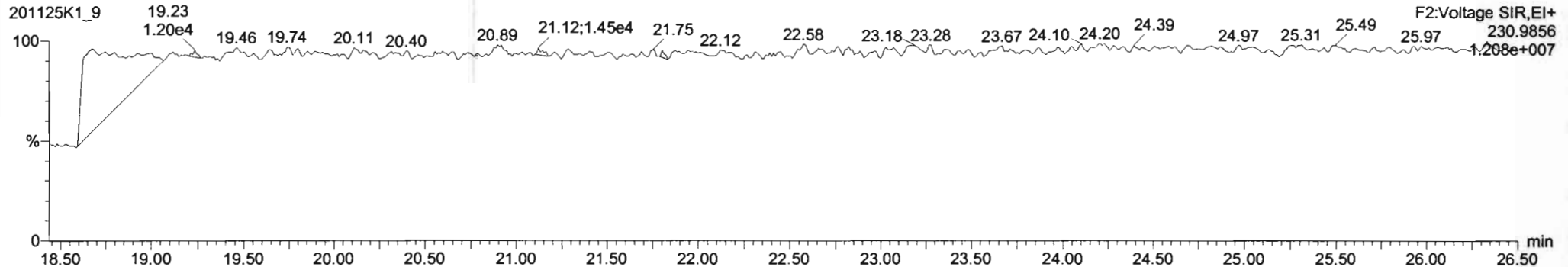
PCB-4/10



13C-PCB-4



PFK2a



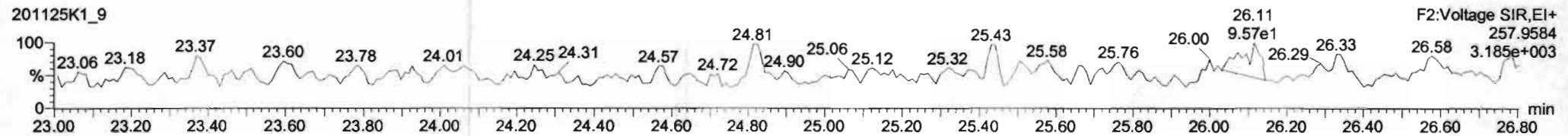
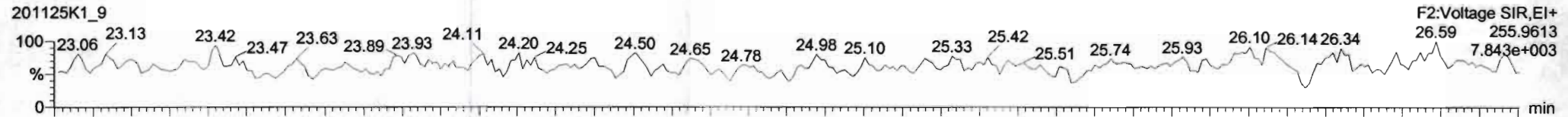
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Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

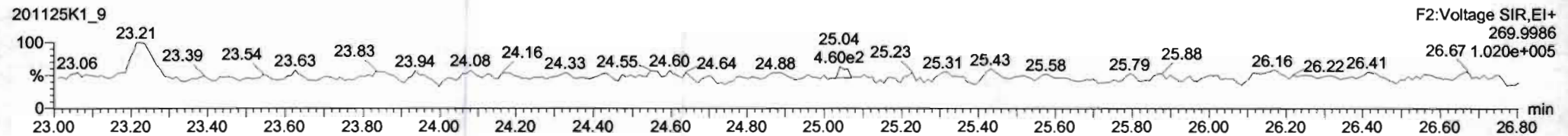
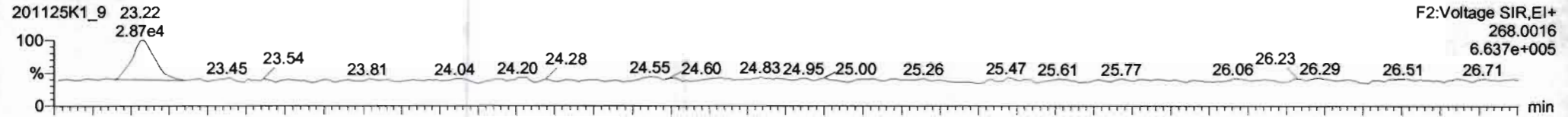
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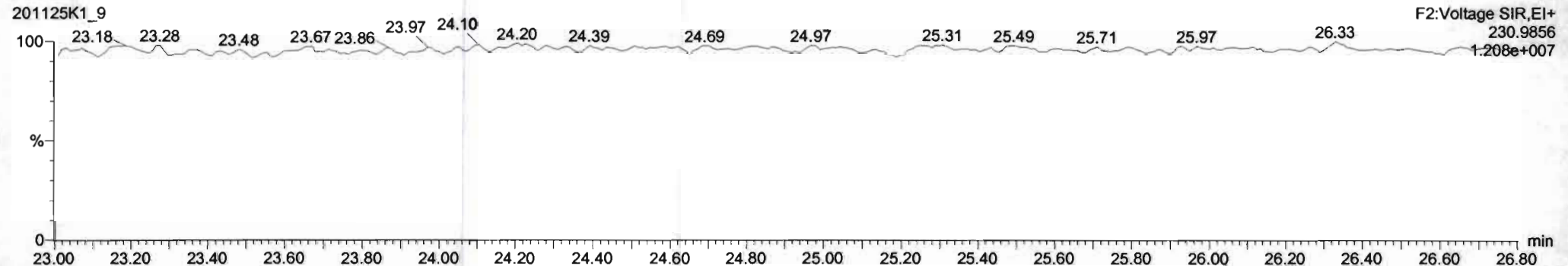
**PCB-19**



**13C-PCB-19**



**PFK2b**





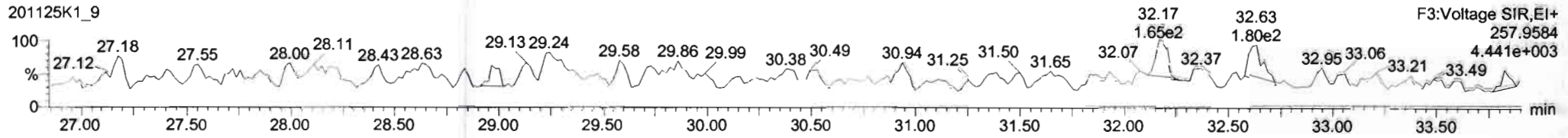
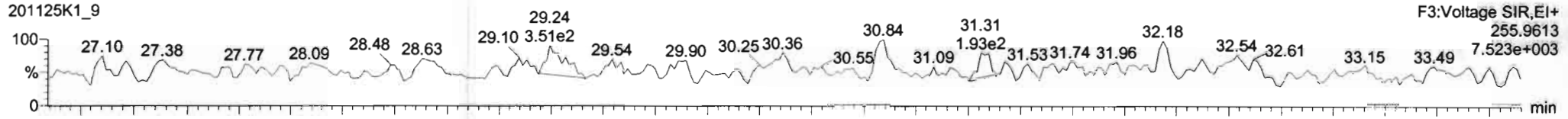
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Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

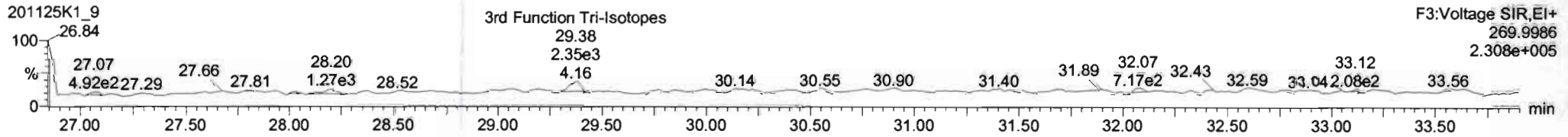
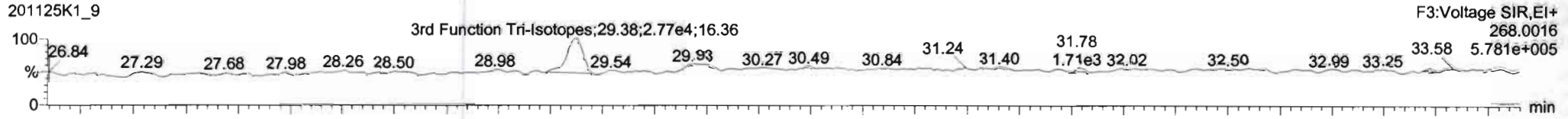
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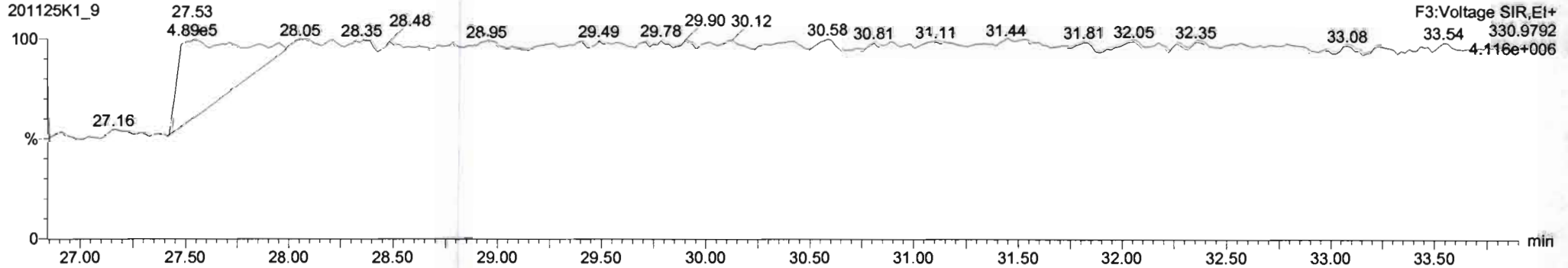
**PCB-34**



**13C-PCB-28**



**PFK3d**



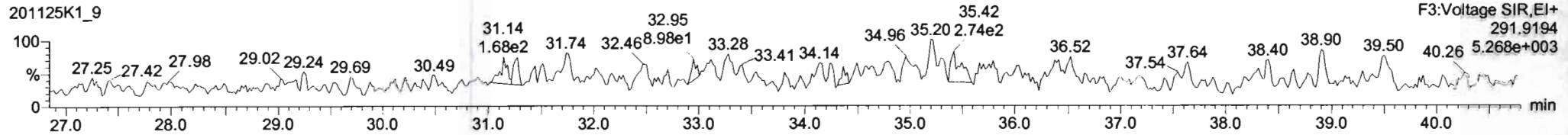
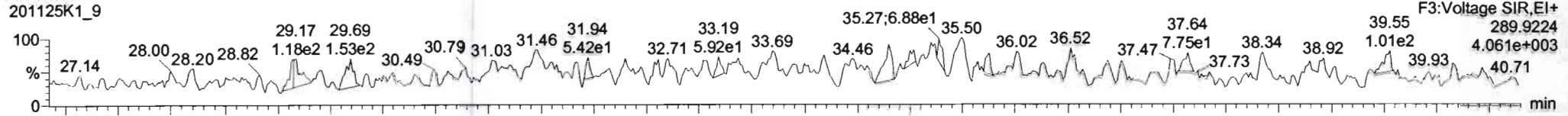
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

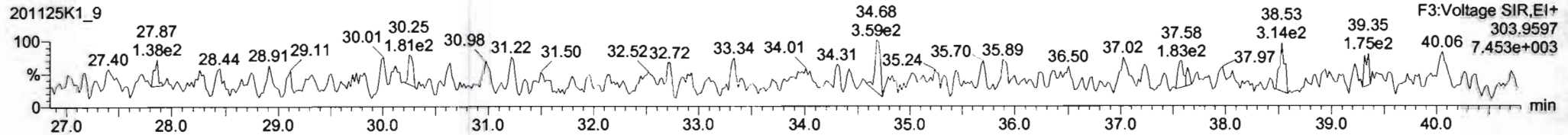
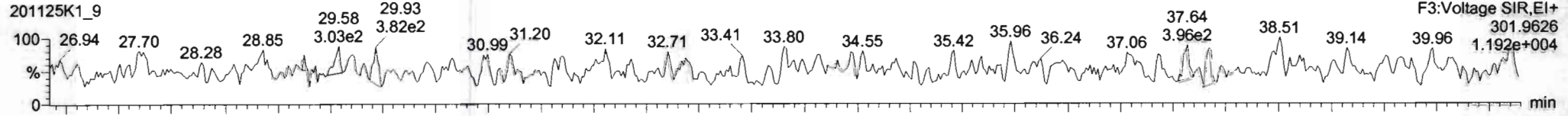
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

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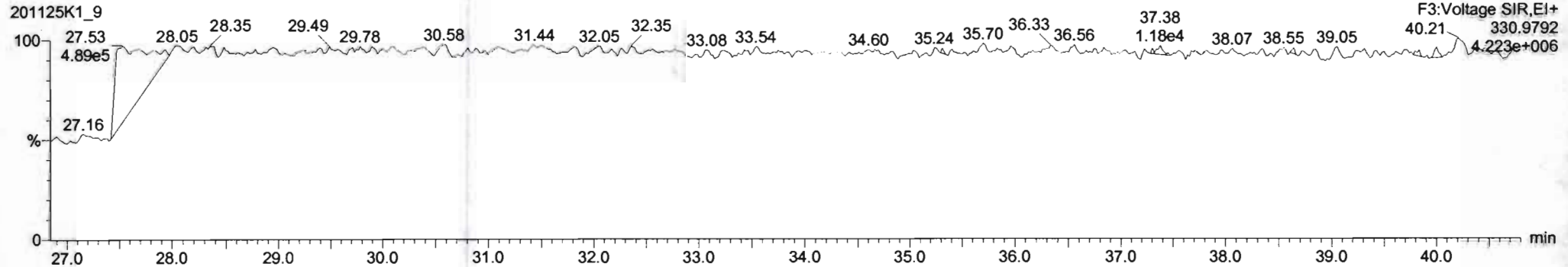
**PCB-54**



**13C-PCB-54**



**PFK3a**





Dataset: Untitled

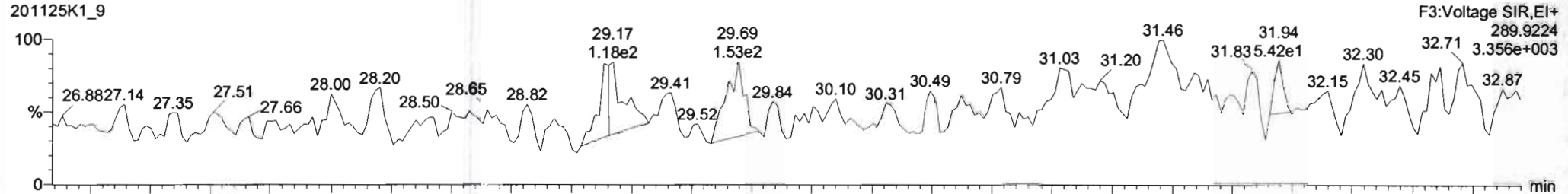
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Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

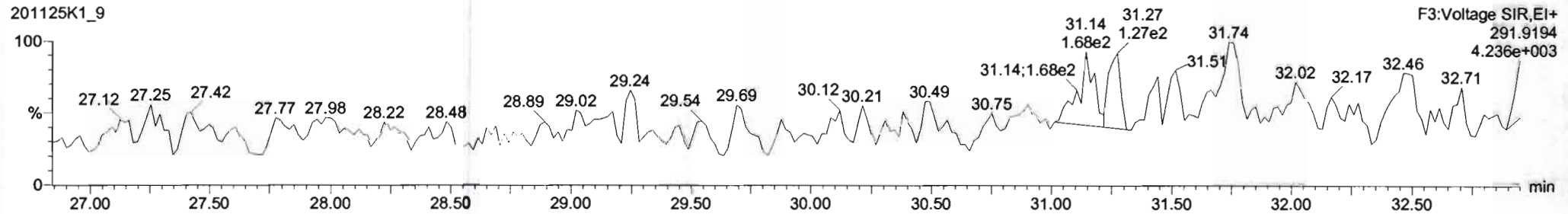
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**PCB-50**

201125K1\_9

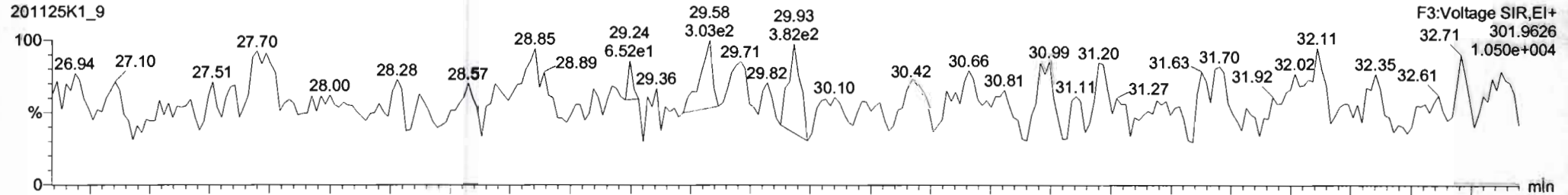


201125K1\_9

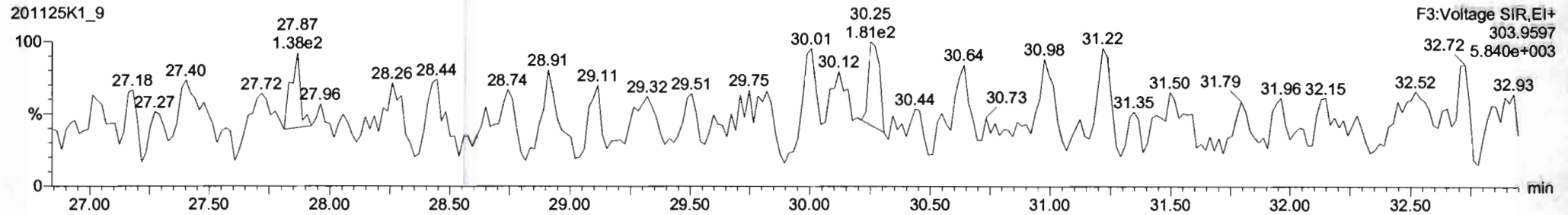


**13C-PCB-52**

201125K1\_9



201125K1\_9



Dataset: Untitled

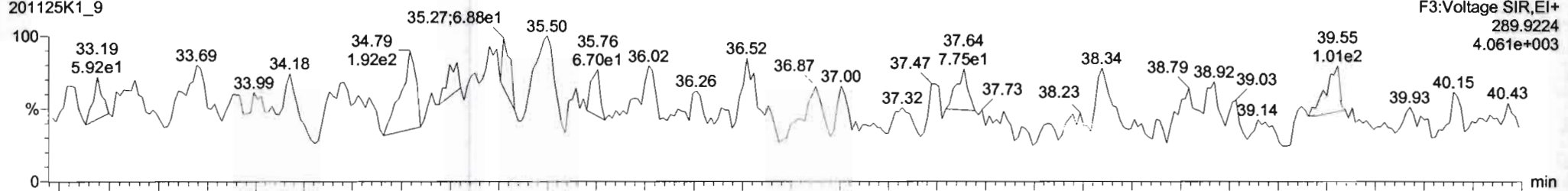
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

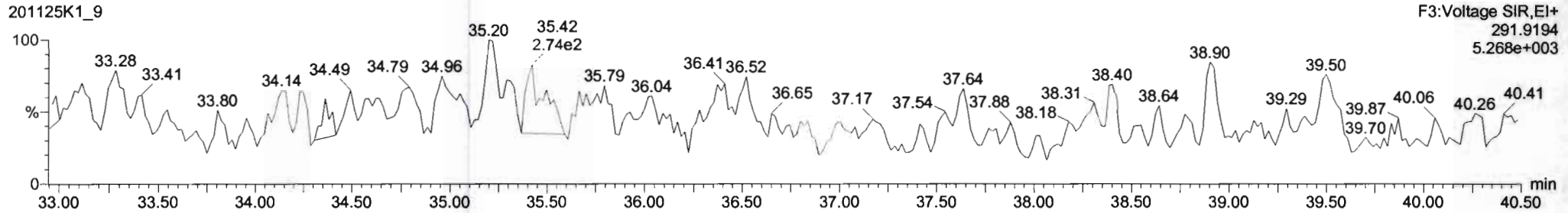
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PCB-68

201125K1\_9

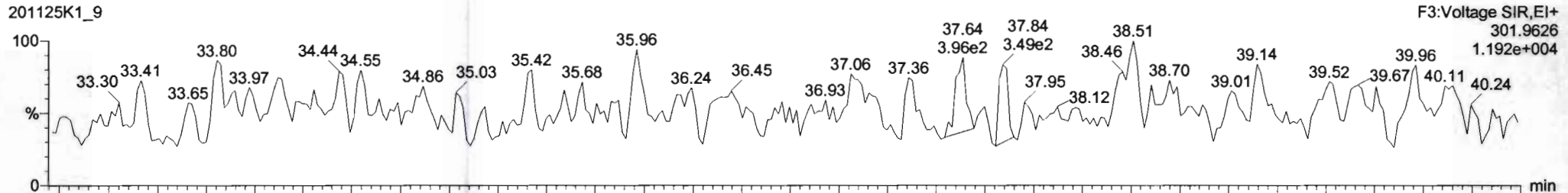


201125K1\_9

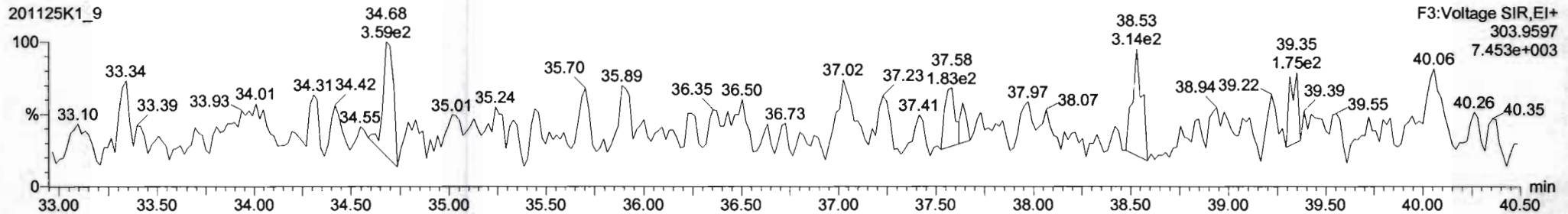


13C-PCB-60

201125K1\_9



201125K1\_9



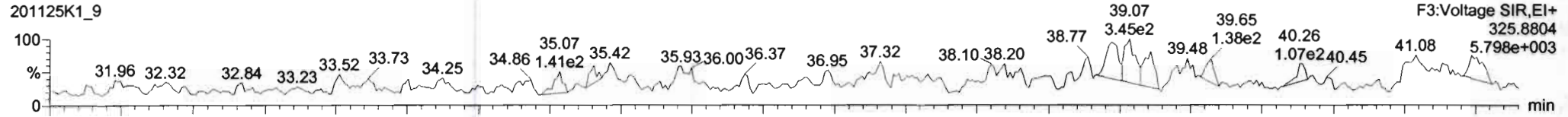
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Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

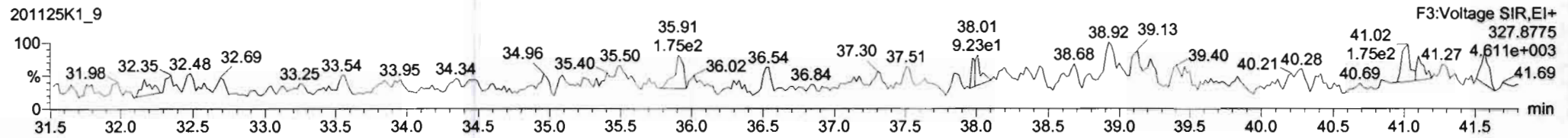
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**PCB-104**

201125K1\_9

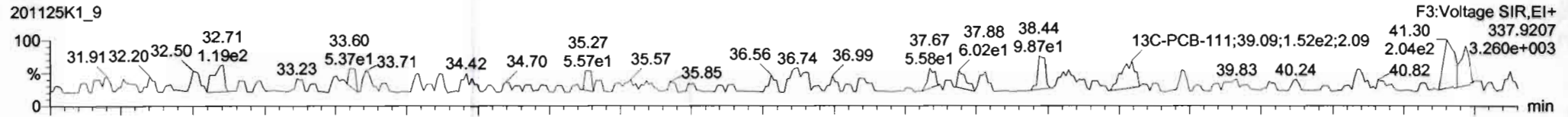


201125K1\_9

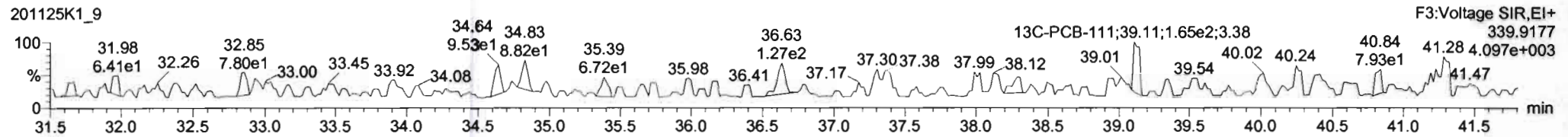


**13C-PCB-104**

201125K1\_9

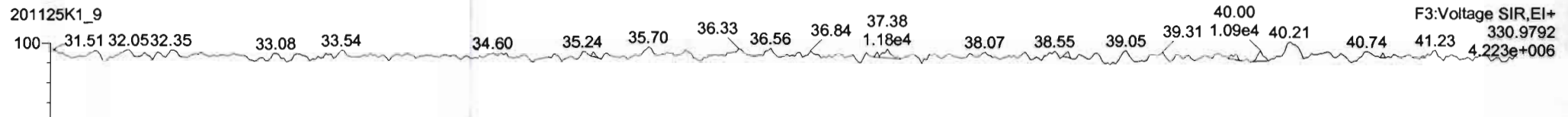


201125K1\_9



**PFK3b**

201125K1\_9





Dataset: Untitled

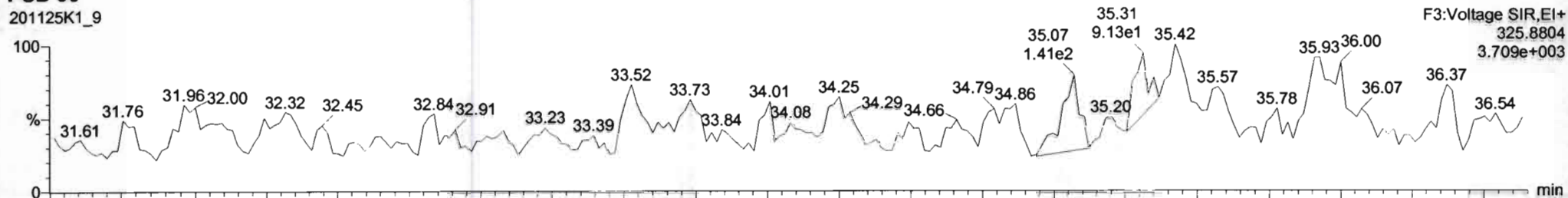
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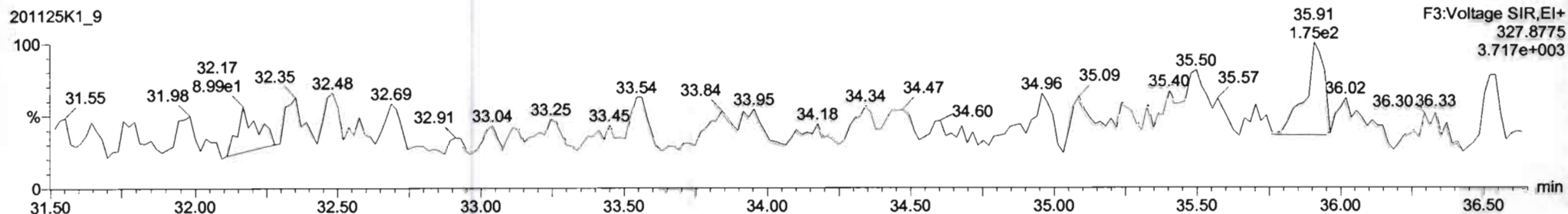
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PCB-96

201125K1\_9

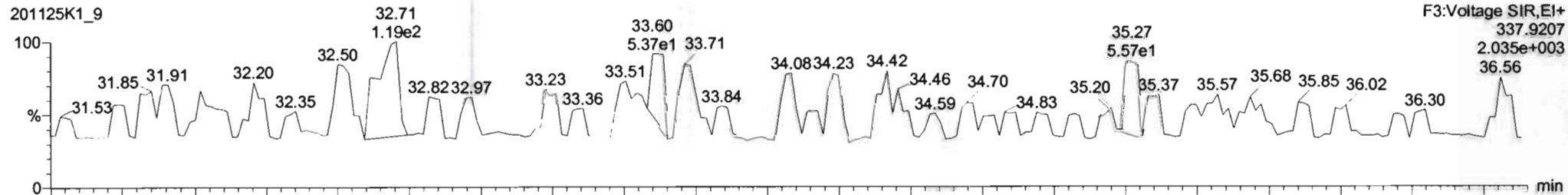


201125K1\_9

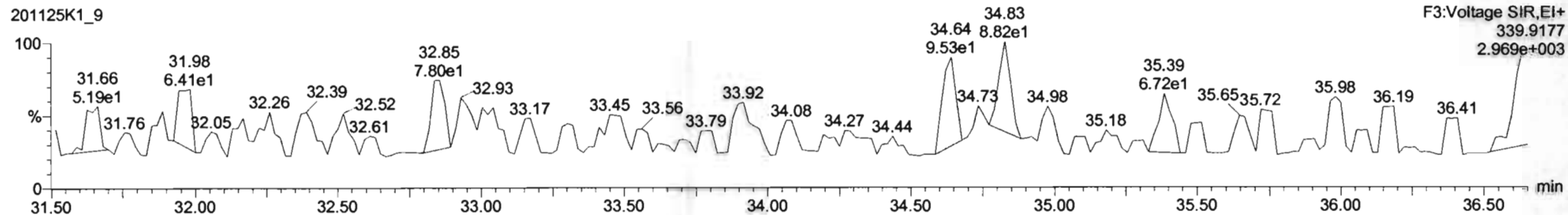


13C-PCB-95

201125K1\_9



201125K1\_9



Dataset: Untitled

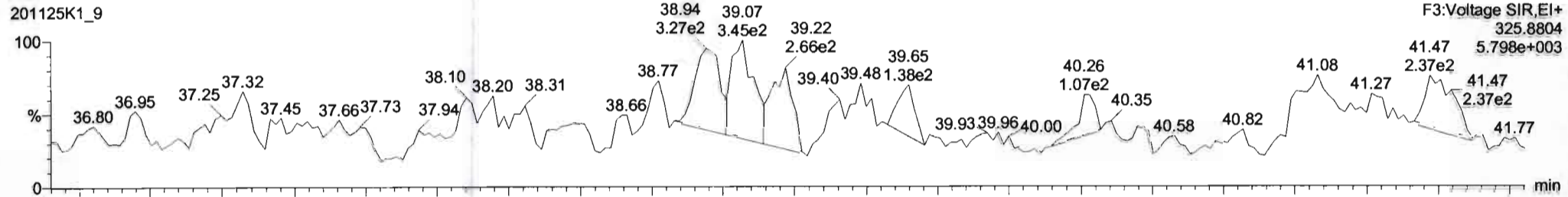
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

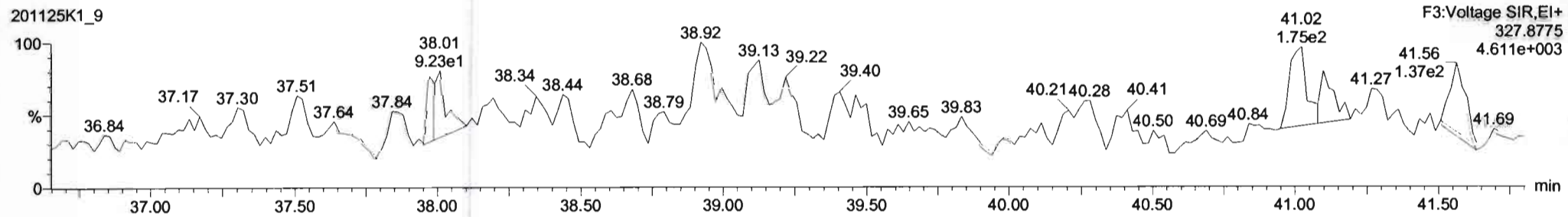
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PCB-119

201125K1\_9

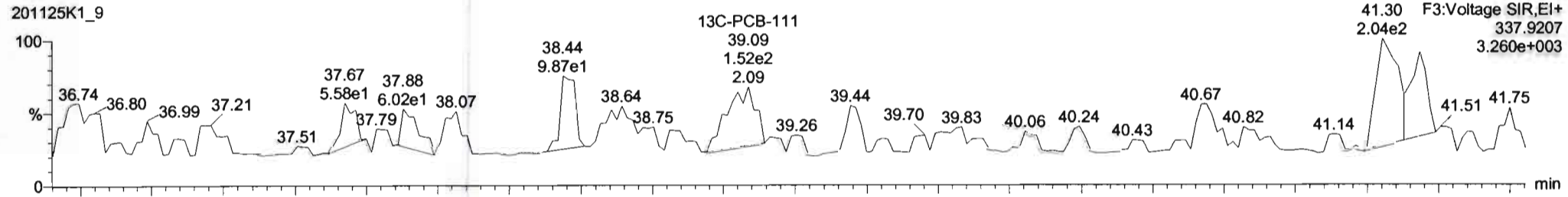


201125K1\_9

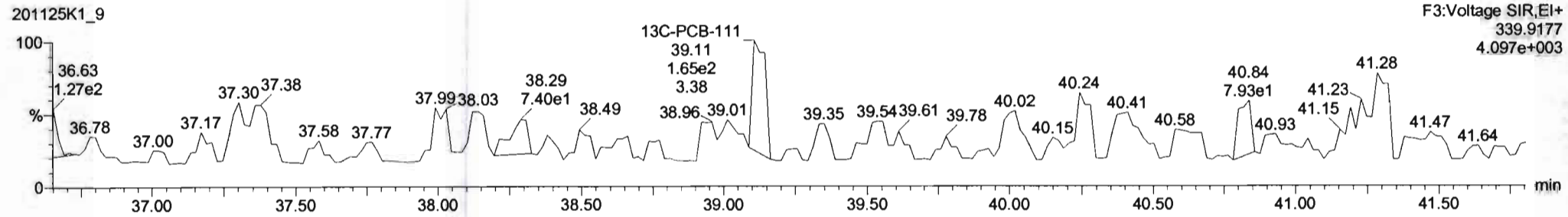


13C-PCB-111

201125K1\_9



201125K1\_9



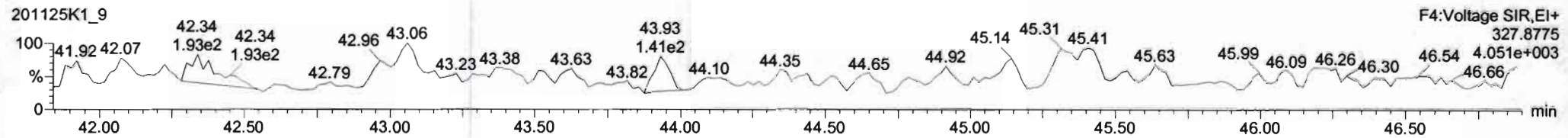
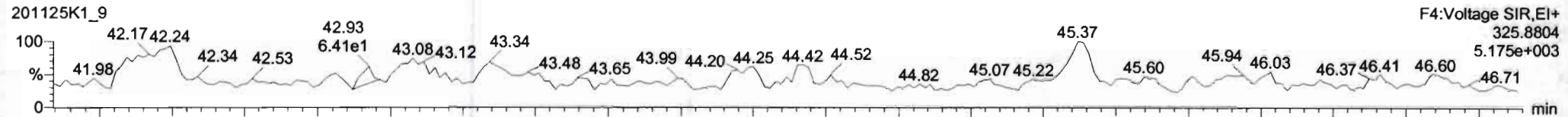
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Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

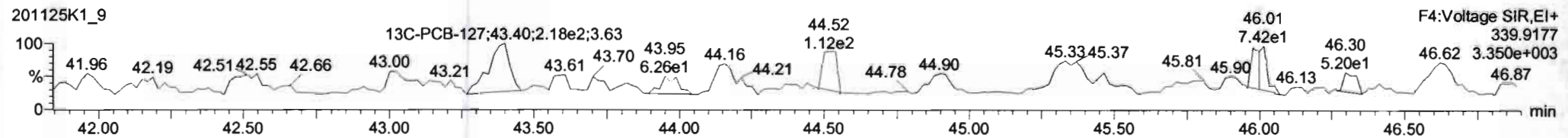
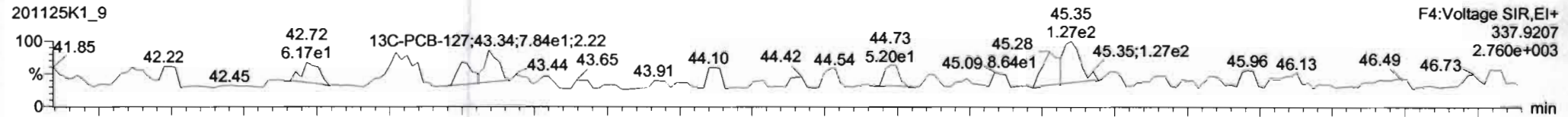
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

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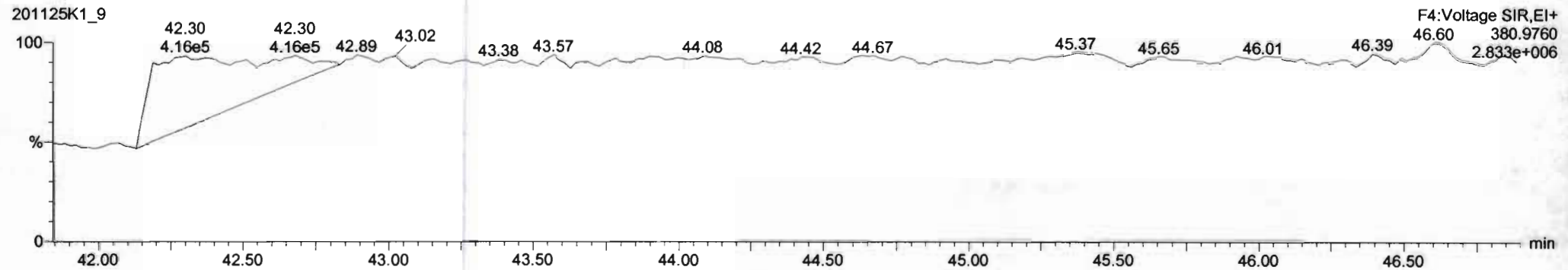
**PCB-114**



**13C-PCB-114**



**PFK4a**





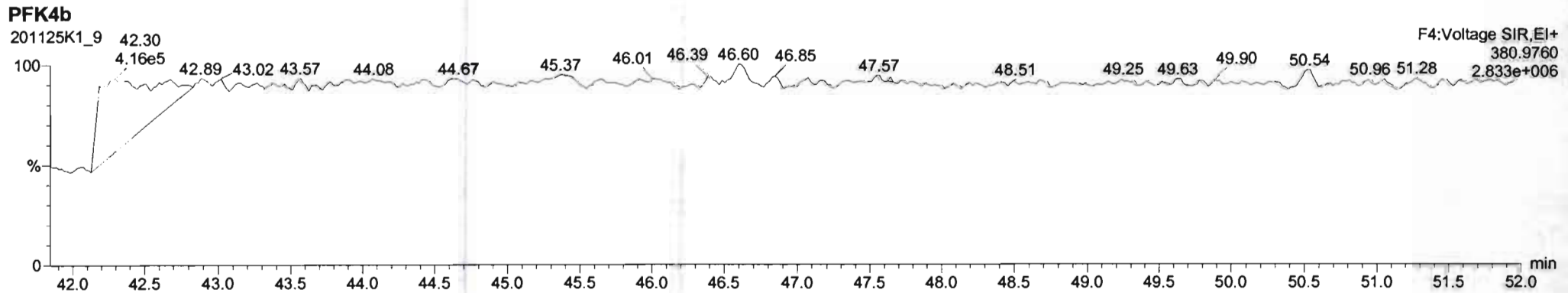
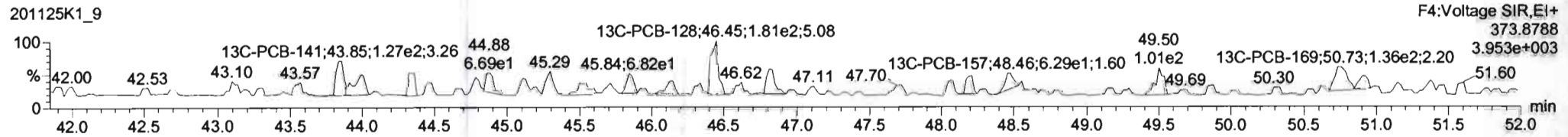
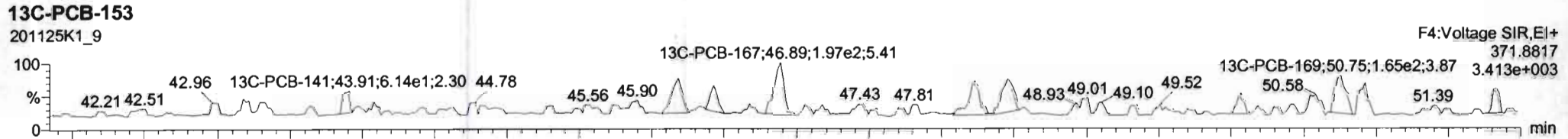
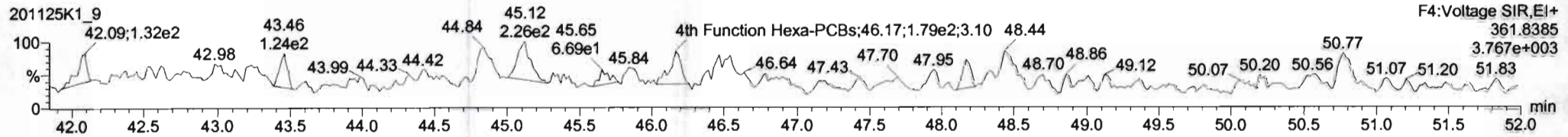
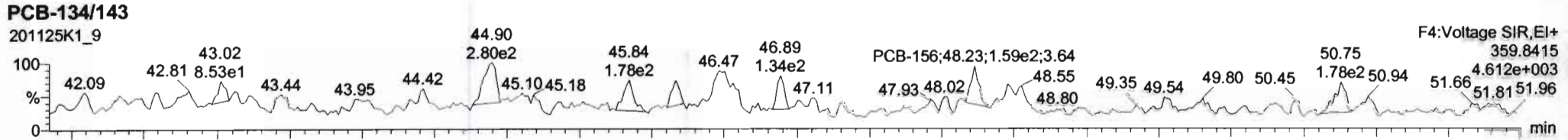


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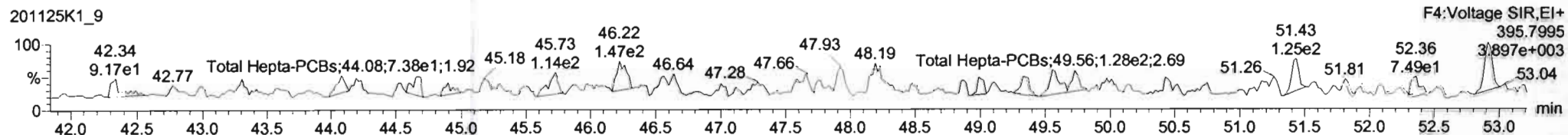
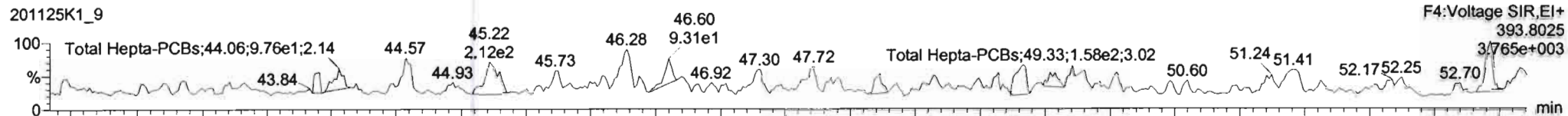
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

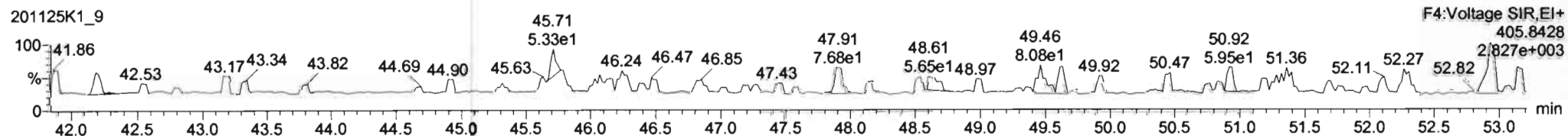
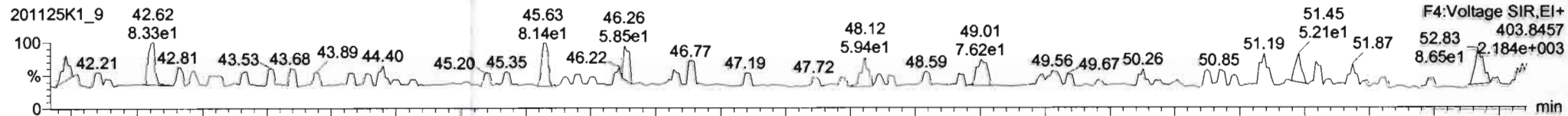
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_9, Date: 25-Nov-2020, Time: 18:01:56, ID: SOLVENT BLANK, Description: SOLVENT BLANK

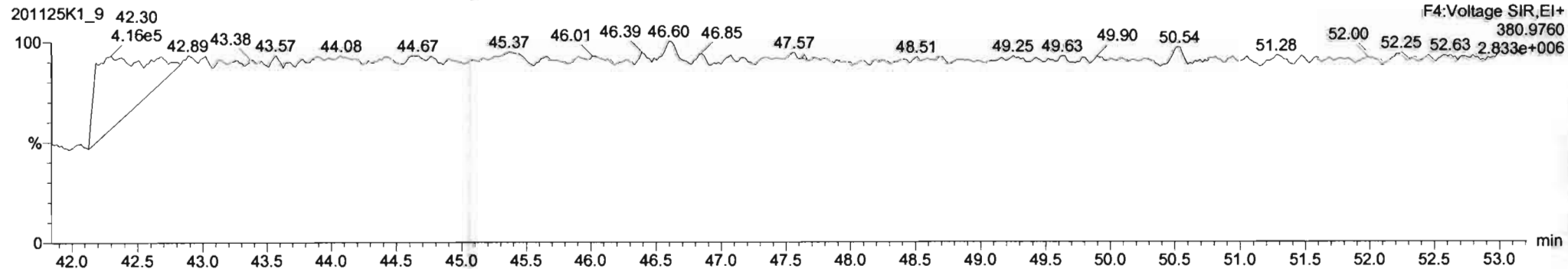
**PCB-188**



**13C-PCB-188**



**PFK4c**



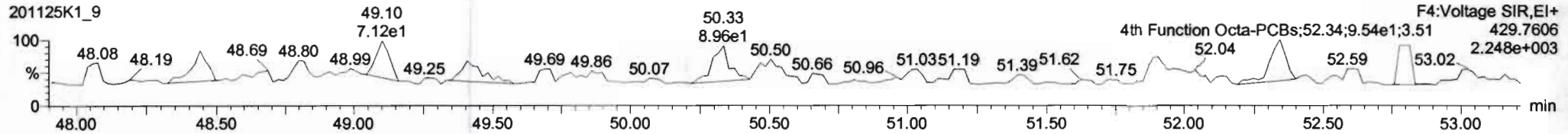
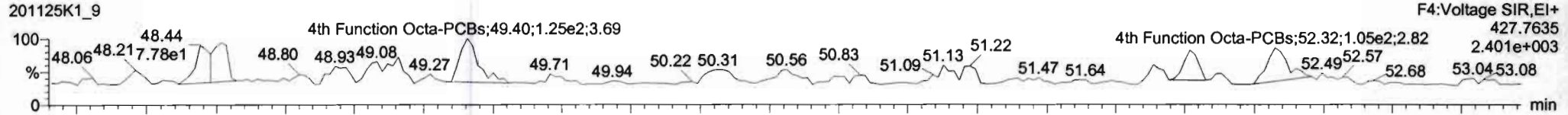
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

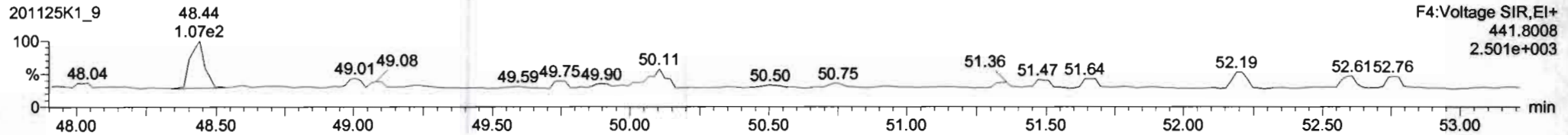
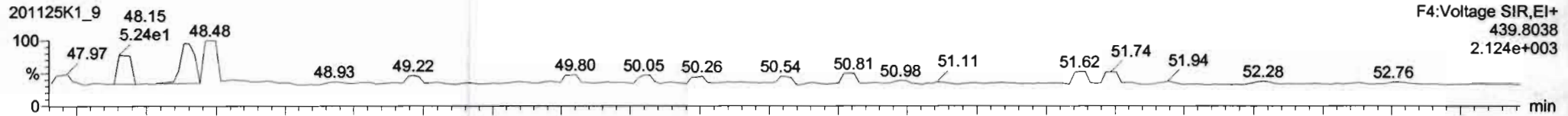
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_9, Date: 25-Nov-2020, Time: 18:01:56, ID: SOLVENT BLANK, Description: SOLVENT BLANK

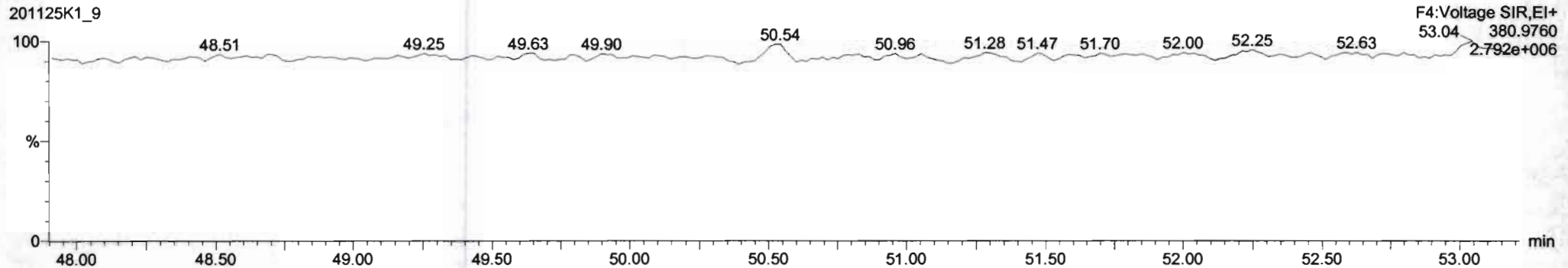
**PCB-202**



**13C-PCB-202**



**PFK4d**



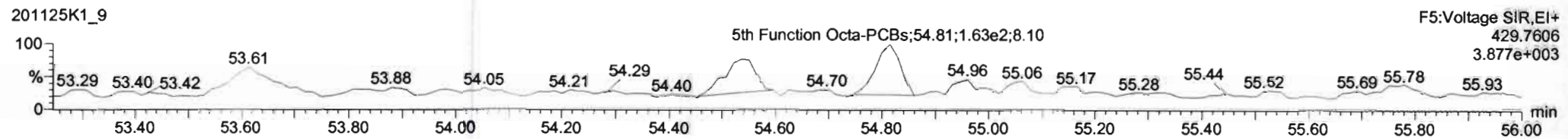
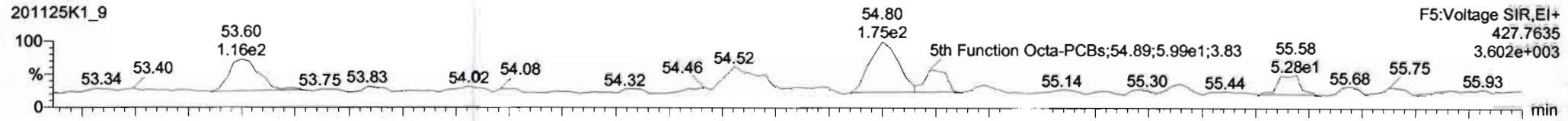
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

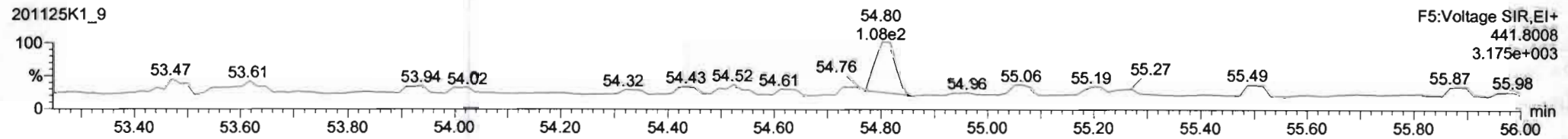
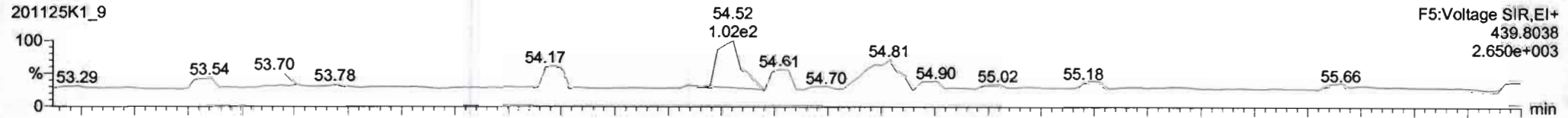
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_9, Date: 25-Nov-2020, Time: 18:01:56, ID: SOLVENT BLANK, Description: SOLVENT BLANK

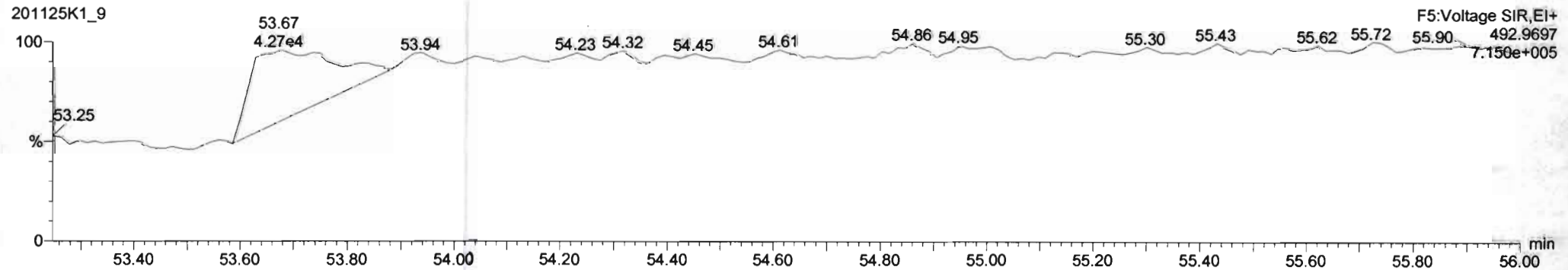
**PCB-195**



**13C-PCB-194**



**PFK5a**





Dataset: Untitled

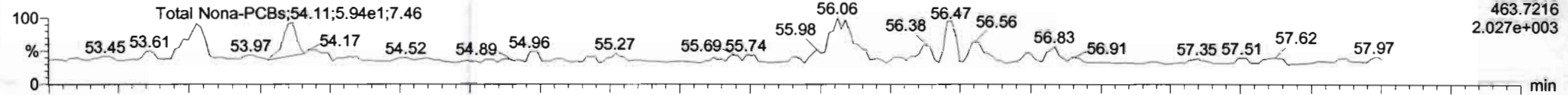
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

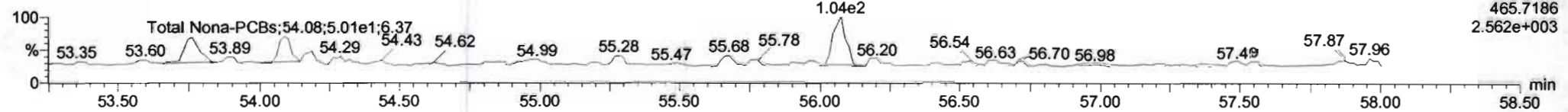
Name: 201125K1\_9, Date: 25-Nov-2020, Time: 18:01:56, ID: SOLVENT BLANK, Description: SOLVENT BLANK

**PCB-208**

201125K1\_9

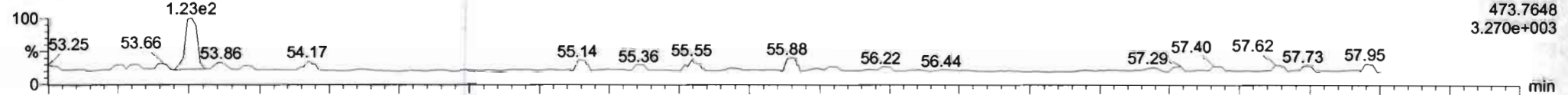


201125K1\_9

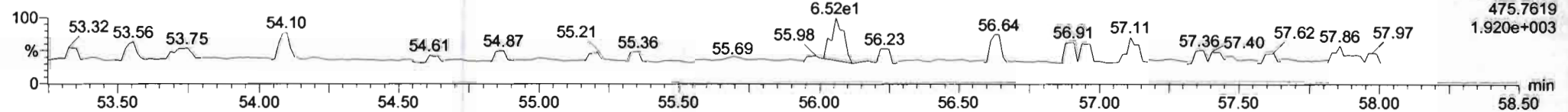


**13C-PCB-208**

201125K1\_9

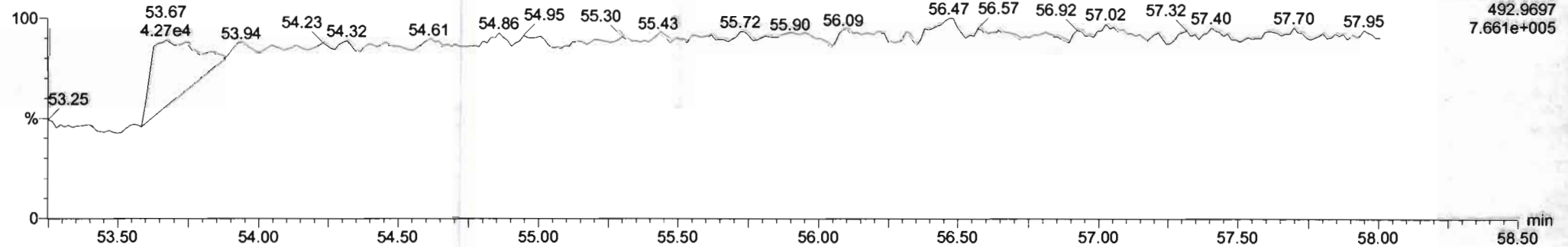


201125K1\_9



**PFK5**

201125K1\_9



Dataset: Untitled

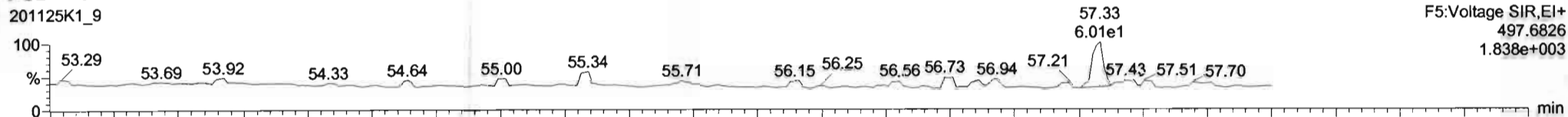
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

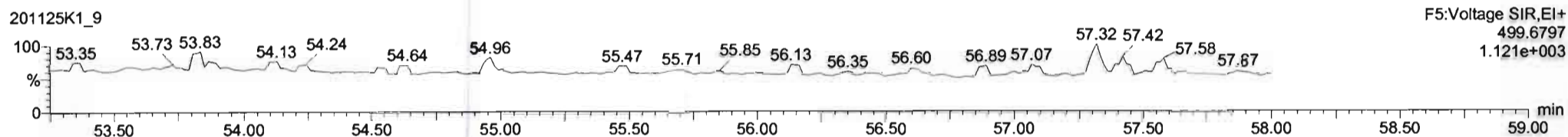
Name: 201125K1\_9, Date: 25-Nov-2020, Time: 18:01:56, ID: SOLVENT BLANK, Description: SOLVENT BLANK

**PCB-209**

201125K1\_9

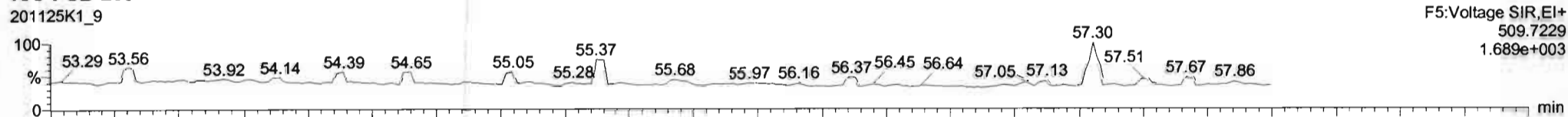


201125K1\_9

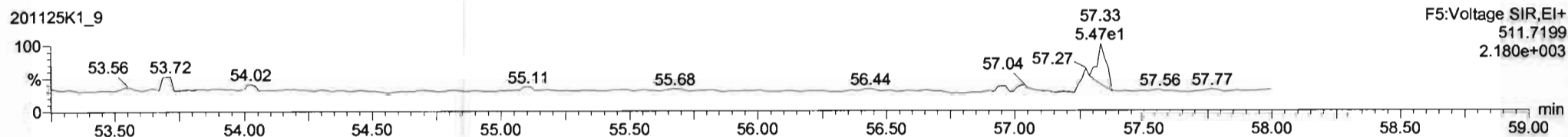


**13C-PCB-209**

201125K1\_9

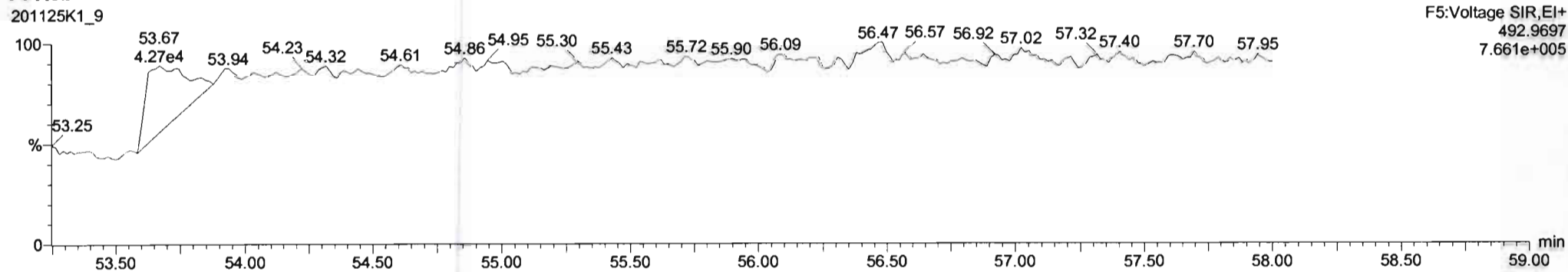


201125K1\_9



**PFK5b**

201125K1\_9



Dataset: U:\VG11.PRO\Results\201125K1\201125K1-10.qld

Last Altered: Thursday, November 26, 2020 08:23:15 Pacific Standard Time  
Printed: Thursday, November 26, 2020 08:25:36 Pacific Standard Time

*HL 11-26-2020  
good recovery*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_11-24-20.mdb 25 Nov 2020 08:43:46  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1			NO	0.986	1.000	15.43		1.001		YES			0.784	
2	2 PCB-2			NO	1.02	1.000	17.83		0.988		YES			0.823	
3	3 PCB-3			NO	1.00	1.000	18.05		1.001		YES			0.839	
4	4 PCB-4/10			NO	1.21	1.000	19.48		1.004		YES			2.86	
5	5 PCB-7/9			NO	0.939	1.000	21.27		1.003		YES			2.31	
6	6 PCB-6			NO	0.996	1.000	21.92		1.033		YES			2.17	
7	7 PCB-5/8			NO	0.976	1.000	22.32		1.052		YES			2.22	
8	8 PCB-14			NO	1.02	1.000	23.45		0.951		YES			2.28	
9	9 PCB-11			NO	1.12	1.000	24.68		1.001		YES			2.09	
10	10 PCB-12/13			NO	1.02	1.000	25.11		1.018		YES			2.29	
11	11 PCB-15			NO	1.02	1.000	25.39		1.030		YES			2.30	
12	12 PCB-19			NO	0.972	1.000	23.65		1.001		YES			2.14	
13	13 PCB-30			NO	1.54	1.000	24.56		1.040		YES			1.35	
14	14 PCB-18			NO	0.719	1.000	25.32		0.952		YES			2.04	
15	15 PCB-17			NO	0.672	1.000	25.49		0.958		YES			2.18	
16	16 PCB-24/27			NO	0.932	1.000	26.09		0.981		YES			1.57	
17	17 PCB-16/32			NO	0.824	1.000	26.62		1.001		YES			1.78	
18	18 PCB-34			NO	0.878	1.000	27.44		0.959		YES			1.45	
19	19 PCB-23			NO	0.892	1.000	27.53		0.962		YES			1.43	
20	20 PCB-29			NO	0.861	1.000	27.77		0.971		YES			1.48	
21	21 PCB-26			NO	0.915	1.000	28.00		0.979		YES			1.39	
22	22 PCB-25			NO	0.915	1.000	28.16		0.984		YES			1.39	
23	23 PCB-31			NO	1.03	1.000	28.53		0.997		YES			1.24	
24	24 PCB-28			NO	1.01	1.000	28.63		1.001		YES			1.25	
25	25 PCB-20/21/33			NO	0.913	1.000	29.27		1.023		YES			1.39	
26	26 PCB-22			NO	0.948	1.000	29.74		1.039		YES			1.34	
27	27 PCB-36			NO	1.07	1.000	30.36		0.932		YES			1.35	
28	28 PCB-39			NO	1.00	1.000	30.84		0.946		YES			1.44	
29	29 PCB-38			NO	1.05	1.000	31.64		0.971		YES			1.38	
30	30 PCB-35			NO	1.05	1.000	32.16		0.987		YES			1.38	
31	31 PCB-37			NO	1.03	1.000	32.61		1.001		YES			1.41	
32	32 PCB-54			NO	0.974	1.000	27.48		1.001		YES			1.25	

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-10.qld

Last Altered: Thursday, November 26, 2020 08:23:15 Pacific Standard Time

Printed: Thursday, November 26, 2020 08:25:36 Pacific Standard Time

Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50			NO	0.803	1.000	28.68		1.044		YES			1.52	
34	34 PCB-53			NO	0.939	1.000	29.37		0.944		YES			1.64	
35	35 PCB-51			NO	1.00	1.000	29.70		0.955		YES			1.54	
36	36 PCB-45			NO	0.802	1.000	30.15		0.969		YES			1.92	
37	37 PCB-46			NO	0.770	1.000	30.65		0.985		YES			2.00	
38	38 PCB-52/69			NO	1.08	1.000	31.14		1.001		YES			1.42	
39	39 PCB-73			NO	1.31	1.000	31.25		1.005		YES			1.18	
40	40 PCB-43/49			NO	0.925	1.000	31.43		1.010		YES			1.66	
41	41 PCB-47			NO	0.863	1.000	31.65		1.001		YES			1.74	
42	42 PCB-48/75			NO	1.04	1.000	31.76		1.004		YES			1.45	
43	43 PCB-65			NO	1.16	1.000	32.03		1.013		YES			1.29	
44	44 PCB-62			NO	1.04	1.000	32.16		1.017		YES			1.45	
45	45 PCB-44			NO	0.757	1.000	32.46		1.026		YES			1.98	
46	46 PCB-42/59			NO	0.975	1.000	32.69		1.033		YES			1.54	
47	47 PCB-41/64/71/72			NO	1.12	1.000	33.31		1.053		YES			1.34	
48	48 PCB-68			NO	1.19	1.000	33.56		1.061		YES			1.26	
49	49 PCB-40			NO	0.572	1.000	33.77		1.068		YES			2.62	
50	50 PCB-57			NO	1.08	1.000	34.17		0.969		YES			1.17	
51	51 PCB-67			NO	1.02	1.000	34.48		0.978		YES			1.24	
52	52 PCB-58			NO	1.08	1.000	34.61		0.982		YES			1.17	
53	53 PCB-63			NO	0.971	1.000	34.76		0.986		YES			1.30	
54	54 PCB-74			NO	1.09	1.000	35.06		0.994		YES			1.16	
55	55 PCB-61/70			NO	0.978	1.000	35.27		1.000		YES			1.29	
56	56 PCB-76/66			NO	1.07	1.000	35.45		1.005		YES			1.18	
57	57 PCB-80			NO	1.08	1.000	35.71		1.001		YES			1.13	
58	58 PCB-55			NO	1.06	1.000	36.04		1.010		YES			1.14	
59	59 PCB-56/60			NO	0.946	1.000	36.55		1.024		YES			1.29	
60	60 PCB-79			NO	1.06	1.000	37.65		1.055		YES			1.15	
61	61 PCB-78			NO	1.01	1.000	38.36		0.987		YES			1.24	
62	62 PCB-81			NO	0.941	1.000	38.90		1.000		YES			1.33	
63	63 PCB-77			NO	1.03	1.000	39.52		1.000		YES			1.27	
64	64 PCB-104			NO	0.982	1.000	32.32		1.001		YES			1.59	
65	65 PCB-96			NO	0.982	1.000	33.61		1.041		YES			1.59	
66	66 PCB-103			NO	0.770	1.000	34.17		1.058		YES			2.03	
67	67 PCB-100			NO	0.805	1.000	34.54		1.070		YES			1.94	
68	68 PCB-94			NO	0.831	1.000	35.03		0.985		YES			2.41	



Dataset: U:\VG11.PRO\Results\201125K1\201125K1-10.qld

Last Altered: Thursday, November 26, 2020 08:23:15 Pacific Standard Time

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Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102			NO	1.07	1.000	35.50		0.999		YES			1.87	
70	70 PCB-93			NO	0.761	1.000	35.65		1.003		YES			2.62	
71	71 PCB-88/91			NO	0.910	1.000	35.98		1.012		YES			2.20	
72	72 PCB-121			NO	1.46	1.000	36.09		1.015		YES			1.36	
73	73 PCB-84/92			NO	0.826	1.000	36.93		0.990		YES			2.25	
74	74 PCB-89			NO	0.885	1.000	37.11		0.995		YES			2.10	
75	75 PCB-90/101			NO	0.905	1.000	37.31		1.000		YES			2.05	
76	76 PCB-113			NO	1.26	1.000	37.56		1.007		YES			1.47	
77	77 PCB-99			NO	0.993	1.000	37.66		1.010		YES			1.87	
78	78 PCB-119			NO	1.53	1.000	38.14		0.987		YES			1.50	
79	79 PCB-108/112			NO	1.25	1.000	38.30		0.991		YES			1.85	
80	80 PCB-83			NO	1.56	1.000	38.45		0.995		YES			1.48	
81	81 PCB-97			NO	1.12	1.000	38.66		1.000		YES			2.05	
82	82 PCB-86			NO	1.06	1.000	38.83		1.005		YES			2.17	
83	83 PCB-87/117/125			NO	1.34	1.000	38.95		1.008		YES			1.72	
84	84 PCB-111/115			NO	1.62	1.000	39.11		1.012		YES			1.42	
85	85 PCB-85/116			NO	1.23	1.000	39.23		1.015		YES			1.87	
86	86 PCB-120			NO	1.79	1.000	39.50		1.022		YES			1.28	
87	87 PCB-110			NO	1.50	1.000	39.65		1.026		YES			1.53	
88	88 PCB-82			NO	0.638	1.000	40.29		0.976		YES			2.56	
89	89 PCB-124			NO	1.08	1.000	41.00		0.993		YES			1.51	
90	90 PCB-107/109			NO	1.11	1.000	41.14		0.996		YES			1.47	
91	91 PCB-123			NO	1.00	1.000	41.31		1.000		YES			1.63	
92	92 PCB-106/118			NO	1.02	1.000	41.51		1.001		YES			1.61	
93	93 PCB-114			NO	1.08	1.000	42.17		1.000		YES			1.34	
94	94 PCB-122			NO	0.930	1.000	42.32		1.004		YES			1.56	
95	95 PCB-105			NO	1.03	1.000	43.06		1.000		YES			1.36	
96	96 PCB-127			NO	1.06	1.000	43.42		1.000		YES			1.24	
97	97 PCB-126			NO	1.15	1.000	45.37		1.000		YES			1.30	
98	98 PCB-155			NO	0.853	1.000	36.84		1.000		YES			1.75	
99	99 PCB-150			NO	0.934	1.000	38.16		1.036		YES			1.60	
100	1... PCB-152			NO	1.02	1.000	38.64		1.049		YES			1.47	
101	1... PCB-145			NO	0.983	1.000	39.11		1.062		YES			1.52	
102	1... PCB-136			NO	0.881	1.000	39.44		1.071		YES			1.70	
103	1... PCB-148			NO	0.666	1.000	39.55		1.074		YES			2.24	
104	1... PCB-154			NO	0.721	1.000	40.06		1.088		YES			2.07	



Dataset: U:\VG11.PRO\Results\201125K1\201125K1-10.qld

Last Altered: Thursday, November 26, 2020 08:23:15 Pacific Standard Time

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Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151			NO	0.674	1.000	40.72		1.106		YES			2.22	
106	1... PCB-135			NO	0.723	1.000	40.95		1.112		YES			2.07	
107	1... PCB-144			NO	0.691	1.000	41.06		1.115		YES			2.16	
108	1... PCB-147			NO	0.713	1.000	41.19		1.119		YES			2.10	
109	1... PCB-139/149			NO	0.773	1.000	41.47		1.126		YES			1.93	
110	1... PCB-140			NO	0.652	1.000	41.66		1.131		YES			2.29	
111	1... PCB-134/143			NO	0.718	1.000	42.11		0.975		YES			1.91	
112	1... PCB-131/133			NO	0.768	1.000	42.42		0.982		YES			1.79	
113	1... PCB-142			NO	0.687	1.000	42.56		0.985		YES			2.00	
114	1... PCB-146/165			NO	0.943	1.000	42.81		0.991		YES			1.46	
115	1... PCB-132/161			NO	0.957	1.000	43.06		0.997		YES			1.43	
116	1... PCB-153			NO	0.990	1.000	43.25		1.001		YES			1.39	
117	1... PCB-168			NO	1.03	1.000	43.46		1.006		YES			1.33	
118	1... PCB-141			NO	0.948	1.000	43.99		1.000		YES			1.81	
119	1... PCB-137			NO	0.964	1.000	44.36		1.009		YES			1.78	
120	1... PCB-130			NO	0.816	1.000	44.48		1.012		YES			2.10	
121	1... PCB-138/163/164			NO	1.15	1.000	44.90		1.001		YES			1.38	
122	1... PCB-158/160			NO	1.14	1.000	45.14		1.007		YES			1.40	
123	1... PCB-129			NO	0.807	1.000	45.39		1.012		YES			1.98	
124	1... PCB-166			NO	1.03	1.000	45.85		0.993		YES			1.36	
125	1... PCB-159			NO	1.10	1.000	46.21		1.001		YES			1.28	
126	1... PCB-128/162			NO	0.836	1.000	46.49		1.007		YES			1.68	
127	1... PCB-167			NO	0.960	1.000	46.90		1.000		YES			1.41	
128	1... PCB-156			NO	1.06	1.000	48.23		1.000		YES			1.37	
129	1... PCB-157			NO	0.960	1.000	48.50		1.000		YES			1.46	
130	1... PCB-169			NO	1.04	1.000	50.77		1.000		YES			1.45	
131	1... PCB-188			NO	1.15	1.000	42.87		1.001		YES			1.11	
132	1... PCB-184			NO	1.14	1.000	43.32		1.011		YES			1.12	
133	1... PCB-179			NO	1.07	1.000	44.12		1.030		YES			1.19	
134	1... PCB-176			NO	1.11	1.000	44.59		1.041		YES			1.15	
135	1... PCB-186			NO	1.23	1.000	45.24		1.056		YES			1.04	
136	1... PCB-178			NO	0.830	1.000	45.75		1.068		YES			1.54	
137	1... PCB-175			NO	0.853	1.000	46.09		1.076		YES			1.49	
138	1... PCB-182/187			NO	0.942	1.000	46.28		1.081		YES			1.35	
139	1... PCB-183			NO	0.910	1.000	46.60		1.088		YES			1.40	
140	1... PCB-185			NO	1.24	1.000	47.28		0.954		YES			1.71	

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-10.qld

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Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174			NO	1.20	1.000	47.66		0.962		YES			1.77	
142	1... PCB-181			NO	1.33	1.000	47.76		0.964		YES			1.59	
143	1... PCB-177			NO	1.14	1.000	47.93		0.967		YES			1.86	
144	1... PCB-171			NO	1.22	1.000	48.24		0.974		YES			1.74	
145	1... PCB-173			NO	1.07	1.000	48.68		0.983		YES			1.98	
146	1... PCB-172			NO	1.26	1.000	49.14		0.992		YES			1.69	
147	1... PCB-192			NO	1.61	1.000	49.35		0.996		YES			1.31	
148	1... PCB-180			NO	1.30	1.000	49.56		1.000		YES			1.63	
149	1... PCB-193			NO	1.47	1.000	49.78		1.005		YES			1.44	
150	1... PCB-191			NO	1.51	1.000	50.03		1.010		YES			1.41	
151	1... PCB-170			NO	1.23	1.000	51.22		1.000		YES			1.74	
152	1... PCB-190			NO	1.61	1.000	51.44		1.005		YES			1.33	
153	1... PCB-189			NO	1.27	1.000	52.93		1.000		YES			1.25	
154	1... PCB-202			NO	0.995	1.000	48.46		1.001		YES			0.829	
155	1... PCB-201			NO	0.904	1.000	48.95		1.011		YES			0.912	
156	1... PCB-204			NO	0.955	1.000	49.10		1.014		YES			0.864	
157	1... PCB-197			NO	0.964	1.000	49.42		1.021		YES			0.855	
158	1... PCB-200			NO	0.911	1.000	50.35		1.040		YES			0.905	
159	1... PCB-198			NO	0.696	1.000	51.90		1.072		YES			1.19	
160	1... PCB-199			NO	0.706	1.000	52.04		1.075		YES			1.17	
161	1... PCB-196/203			NO	0.754	1.000	52.34		1.081		YES			1.09	
162	1... PCB-195			NO	0.957	1.000	53.62		0.984		YES			0.838	
163	1... PCB-194	3.47e2	0.94	NO	1.06	1.000	54.54	54.52	1.000	1.000	NO	4.329		0.756	4.329
164	1... PCB-205			NO	1.27	1.000	54.81		1.005		YES			0.632	
165	1... PCB-208	1.74e2	2.38	YES	0.861	1.000	53.78	53.79	1.000	1.000	NO	2.123		0.538	1.469
166	1... PCB-207	1.45e2	1.53	NO	0.849	1.000	54.11	54.13	1.007	1.007	NO	1.800		0.545	1.800
167	1... PCB-206	1.05e2	1.34	NO	0.951	1.000	56.08	56.07	1.000	1.000	NO	1.599		0.664	1.599
168	1... PCB-209	9.30e1	0.72	YES	0.863	1.000	57.30	57.32	1.000	1.000	NO	1.360		0.418	1.057
169	1... 13C-PCB-1	2.28e6	3.19	NO	0.937	1.000	15.43	15.42	0.608	0.608	NO	10680	107	6.20	
170	1... 13C-PCB-3	2.22e6	3.18	NO	0.934	1.000	18.06	18.04	0.712	0.711	NO	10400	104	6.22	
171	1... 13C-PCB-4	1.44e6	1.62	NO	0.599	1.000	19.41	19.40	0.765	0.765	NO	10560	106	2.79	
172	1... 13C-PCB-9	2.30e6	1.59	NO	0.960	1.000	21.22	21.21	0.836	0.836	NO	10510	105	1.74	
173	1... 13C-PCB-11	2.24e6	1.60	NO	0.929	1.000	24.65	24.66	0.971	0.972	NO	10550	106	1.80	
174	1... 13C-PCB-19	1.23e6	1.01	NO	0.506	1.000	23.62	23.62	0.931	0.931	NO	10620	106	33.4	
175	1... 13C-PCB-32	1.79e6	1.03	NO	0.738	1.000	26.61	26.60	1.049	1.048	NO	10600	106	22.9	
176	1... 13C-PCB-28	2.12e6	1.06	NO	1.06	1.000	28.61	28.61	1.004	1.004	NO	10640	106	23.0	

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-10.qld

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Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	1.88e6	1.05	NO	0.979	1.000	32.59	32.59	1.143	1.144	NO	10220	102	24.9	
178	1... 13C-PCB-54	1.51e6	0.79	NO	0.981	1.000	27.49	27.46	0.753	0.752	NO	10560	106	5.36	
179	1... 13C-PCB-52	1.20e6	0.78	NO	0.786	1.000	31.10	31.11	0.852	0.852	NO	10470	105	6.68	
180	1... 13C-PCB-47	1.27e6	0.77	NO	0.833	1.000	31.63	31.63	0.866	0.866	NO	10500	105	6.31	
181	1... 13C-PCB-70	1.51e6	0.80	NO	0.981	1.000	35.25	35.26	0.965	0.965	NO	10570	106	5.36	
182	1... 13C-PCB-80	1.55e6	0.78	NO	1.01	1.000	35.68	35.68	0.977	0.977	NO	10520	105	5.18	
183	1... 13C-PCB-81	1.52e6	0.78	NO	0.995	1.000	38.88	38.88	1.064	1.065	NO	10460	105	5.28	
184	1... 13C-PCB-77	1.45e6	0.79	NO	0.977	1.000	39.50	39.50	1.082	1.082	NO	10190	102	5.38	
185	1... 13C-PCB-104	1.25e6	1.58	NO	1.00	1.000	32.30	32.30	0.826	0.826	NO	10760	108	4.16	
186	1... 13C-PCB-95	9.60e5	1.58	NO	0.779	1.000	35.55	35.55	0.910	0.910	NO	10690	107	5.36	
187	1... 13C-PCB-101	1.04e6	1.58	NO	0.833	1.000	37.30	37.30	0.954	0.954	NO	10840	108	5.01	
188	1... 13C-PCB-97	8.51e5	1.62	NO	0.679	1.000	38.64	38.64	0.988	0.989	NO	10870	109	6.15	
189	1... 13C-PCB-123	1.22e6	1.56	NO	0.970	1.000	41.28	41.28	1.056	1.056	NO	10880	109	4.30	
190	1... 13C-PCB-118	1.23e6	1.60	NO	1.00	1.000	41.49	41.47	1.061	1.061	NO	10670	107	4.17	
191	1... 13C-PCB-114	1.29e6	1.59	NO	1.55	1.000	42.15	42.15	0.908	0.907	NO	10550	106	4.70	
192	1... 13C-PCB-105	1.34e6	1.60	NO	1.59	1.000	43.04	43.04	0.927	0.927	NO	10670	107	4.57	
193	1... 13C-PCB-127	1.42e6	1.60	NO	1.66	1.000	43.40	43.40	0.934	0.934	NO	10900	109	4.39	
194	1... 13C-PCB-126	1.27e6	1.63	NO	1.65	1.000	45.35	45.35	0.976	0.976	NO	9783	97.8	4.42	
195	1... 13C-PCB-155	1.02e6	1.27	NO	0.819	1.000	36.81	36.82	0.942	0.942	NO	10810	108	2.78	
196	1... 13C-PCB-153	1.12e6	1.22	NO	1.31	1.000	43.22	43.21	0.930	0.930	NO	10830	108	4.35	
197	1... 13C-PCB-141	9.33e5	1.28	NO	1.08	1.000	43.99	43.97	0.947	0.947	NO	10930	109	5.27	
198	1... 13C-PCB-138	9.70e5	1.27	NO	1.15	1.000	44.84	44.84	0.965	0.965	NO	10680	107	4.96	
199	1... 13C-PCB-159	1.13e6	1.29	NO	1.39	1.000	46.16	46.17	0.994	0.994	NO	10280	103	4.10	
200	2... 13C-PCB-167	1.20e6	1.25	NO	1.43	1.000	46.88	46.88	1.009	1.009	NO	10670	107	4.00	
201	2... 13C-PCB-156	1.11e6	1.25	NO	1.34	1.000	48.22	48.21	1.038	1.038	NO	10550	106	4.26	
202	2... 13C-PCB-157	1.12e6	1.26	NO	1.36	1.000	48.48	48.48	1.044	1.044	NO	10500	105	4.20	
203	2... 13C-PCB-169	1.11e6	1.24	NO	1.33	1.000	50.75	50.75	1.092	1.093	NO	10560	106	4.29	
204	2... 13C-PCB-188	1.02e6	0.44	NO	1.39	1.000	42.83	42.83	0.925	0.925	NO	10950	110	4.57	
205	2... 13C-PCB-180	6.39e5	0.46	NO	0.907	1.000	49.55	49.54	1.071	1.070	NO	10480	105	7.00	
206	2... 13C-PCB-170	6.02e5	0.45	NO	0.823	1.000	51.20	51.21	1.106	1.106	NO	10890	109	7.72	
207	2... 13C-PCB-189	7.42e5	0.46	NO	1.08	1.000	52.91	52.91	1.143	1.143	NO	10260	103	5.90	
208	2... 13C-PCB-202	9.20e5	0.96	NO	1.23	1.000	48.43	48.42	1.046	1.046	NO	11100	111	3.00	
209	2... 13C-PCB-194	7.56e5	0.92	NO	0.710	1.000	54.52	54.52	0.995	0.995	NO	10410	104	5.51	
210	2... 13C-PCB-208	9.50e5	0.79	NO	0.865	1.000	53.76	53.76	0.981	0.981	NO	10720	107	5.47	
211	2... 13C-PCB-206	6.89e5	0.79	NO	0.623	1.000	56.07	56.06	1.023	1.023	NO	10800	108	7.60	
212	2... 13C-PCB-209	7.93e5	1.18	NO	0.725	1.000	57.31	57.30	1.046	1.046	NO	10680	107	0.941	

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	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	2.28e6	1.61	NO	1.00	1.000	25.39	25.37	1.000	0.000	NO	10000	100	1.67	
214	2... 13C-PCB-31	1.88e6	1.06	NO	1.00	1.000	28.52	28.50	1.000	0.000	NO	10000	100	24.4	
215	2... 13C-PCB-60	1.46e6	0.80	NO	1.00	1.000	36.54	36.52	1.000	0.000	NO	10000	100	5.26	
216	2... 13C-PCB-111	1.15e6	1.61	NO	1.00	1.000	39.11	39.09	1.000	0.000	NO	10000	100	4.17	
217	2... 13C-PCB-128	7.88e5	1.25	NO	1.00	1.000	46.47	46.45	1.000	0.000	NO	10000	100	5.71	
218	2... 13C-PCB-182	6.72e5	0.46	NO	1.00	1.000	46.30	46.28	0.000	0.000	NO	10000	100	6.35	
219	2... 13C-PCB-205	1.02e6	0.91	NO	1.00	1.000	54.81	54.78	1.000	0.000	NO	10000	100	3.91	
220	2... 13C-PCB-79	1.69e6	0.80	NO	1.04	1.000	37.62	37.62	1.030	1.030	NO	11200	112	5.07	
221	2... 13C-PCB-178	7.33e5	0.46	NO	0.774	1.000	45.72	45.71	0.988	0.988	NO	12020	120	6.70	
222	2... 13C-PCB-79	1.69e6	0.80	NO	1.04	1.000	37.63	37.62	0.968	0.967	NO	10700	107	4.88	
223	2... 13C-PCB-178	7.33e5	0.46	NO	1.02	1.000	45.71	45.71	0.923	0.923	NO	11270	113	6.43	

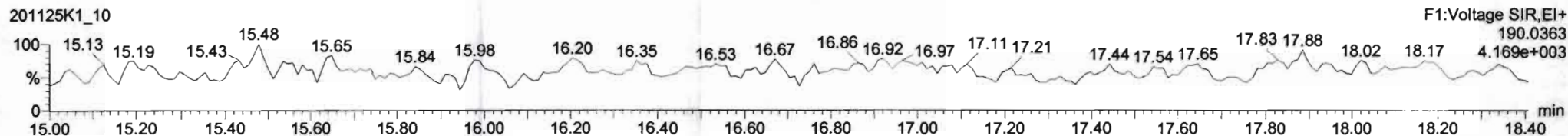
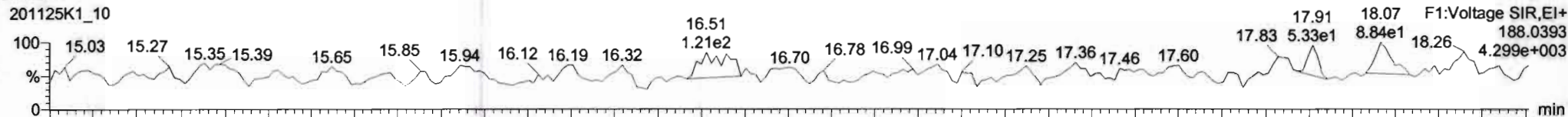


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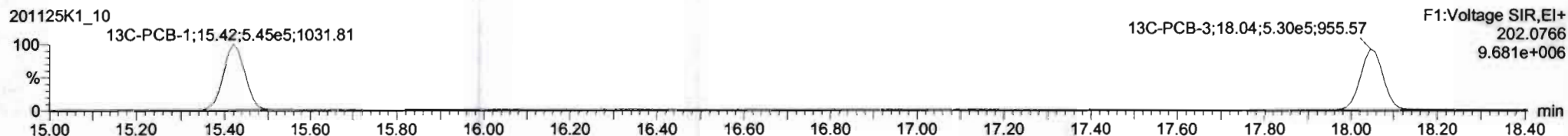
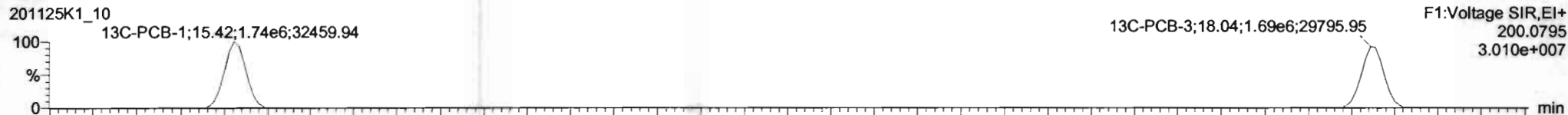
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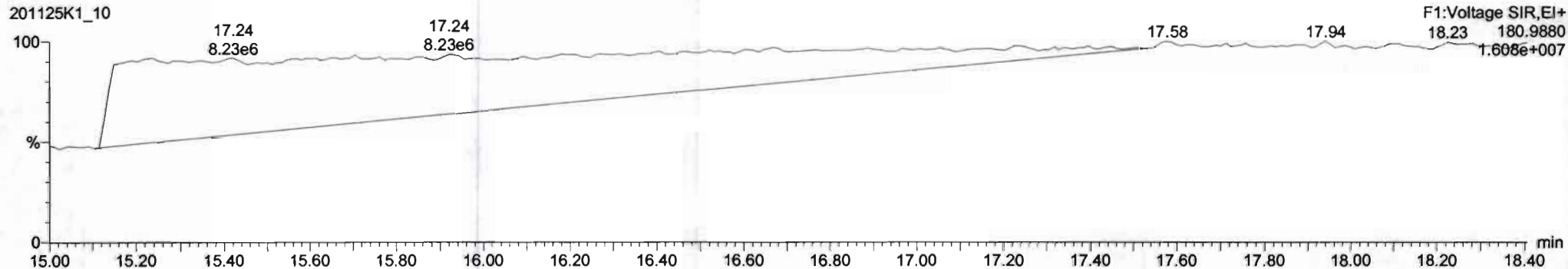
**PCB-1**



**13C-PCB-1**



**PFK1**



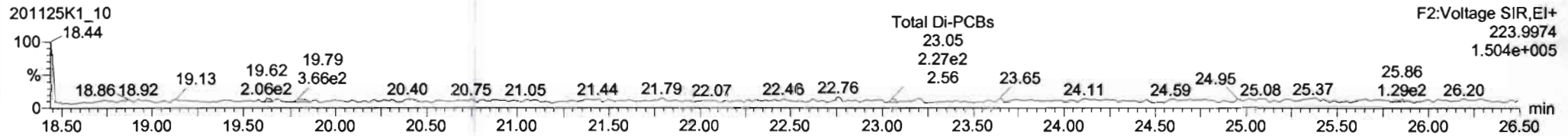
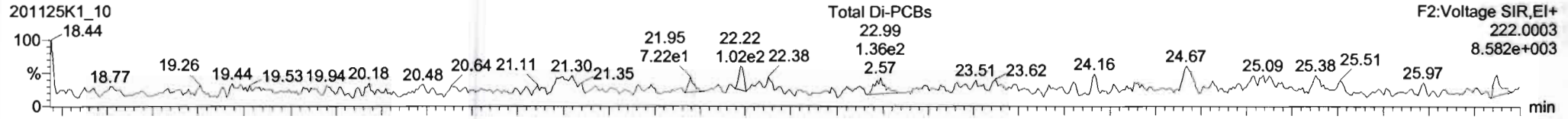
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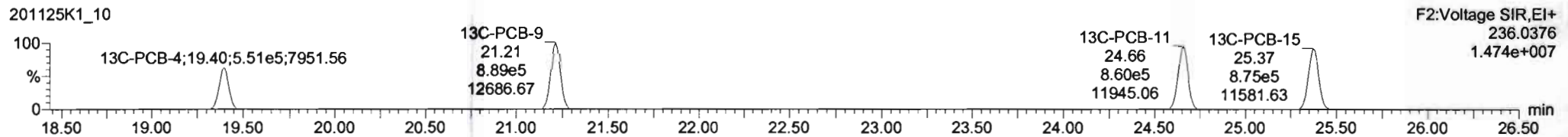
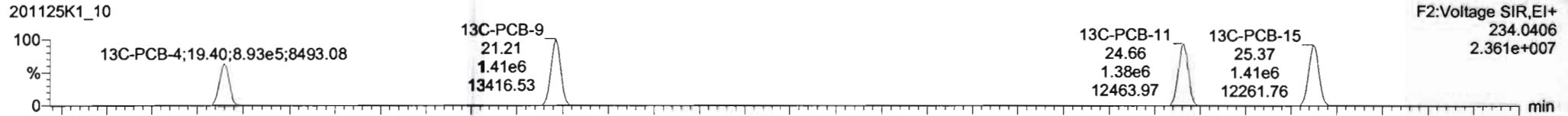
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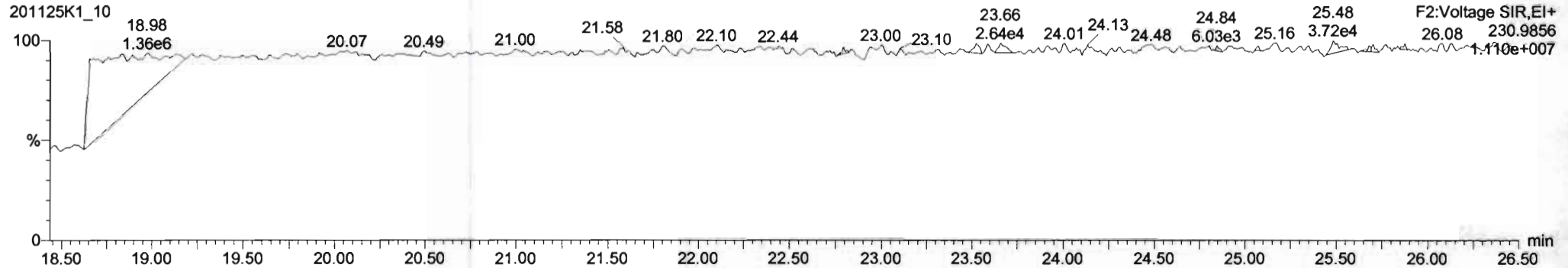
**PCB-4/10**



**13C-PCB-4**



**PFK2a**



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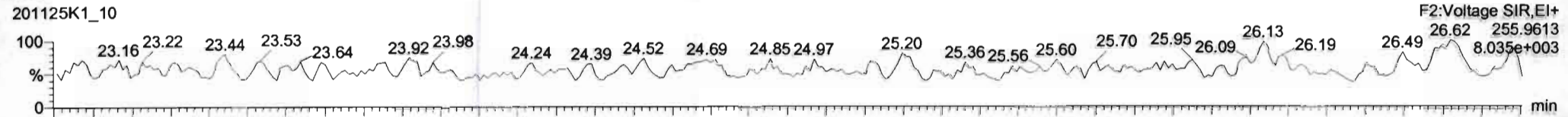
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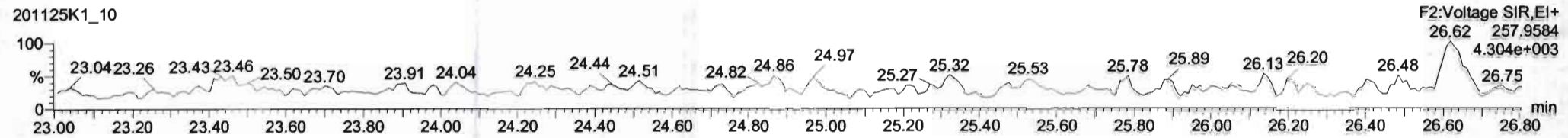
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**PCB-19**

201125K1\_10

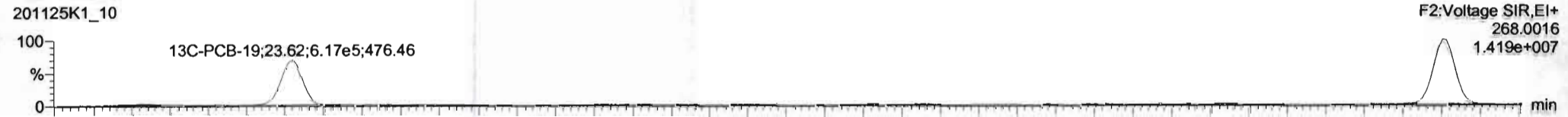


201125K1\_10

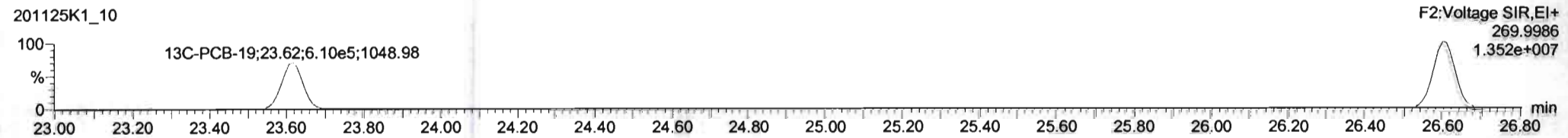


**13C-PCB-19**

201125K1\_10

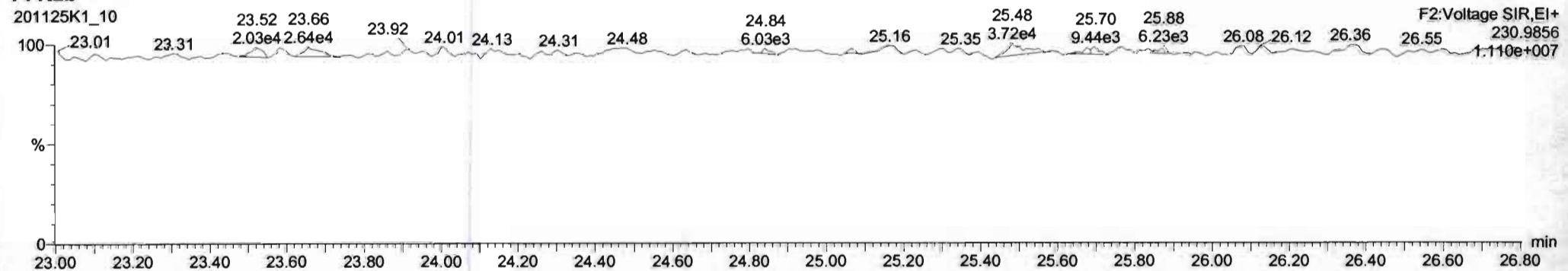


201125K1\_10



**PFK2b**

201125K1\_10





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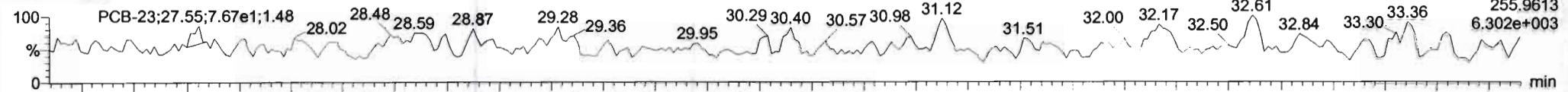
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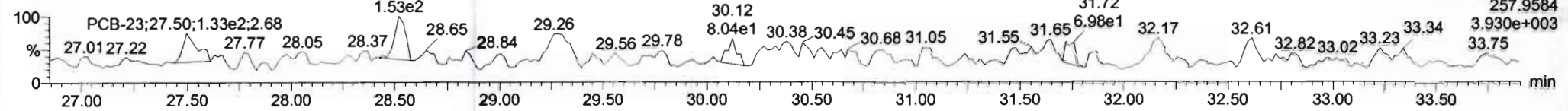
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**PCB-34**

201125K1\_10



201125K1\_10

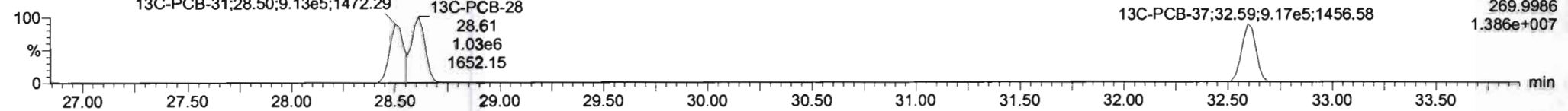


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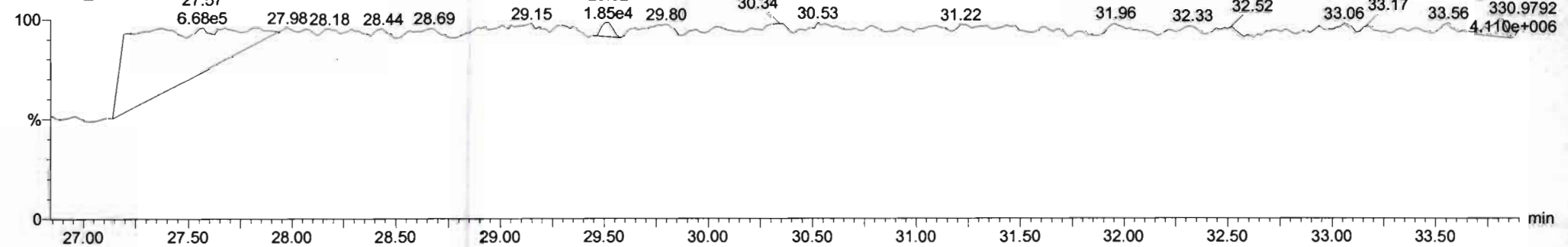


201125K1\_10



**PFK3d**

201125K1\_10





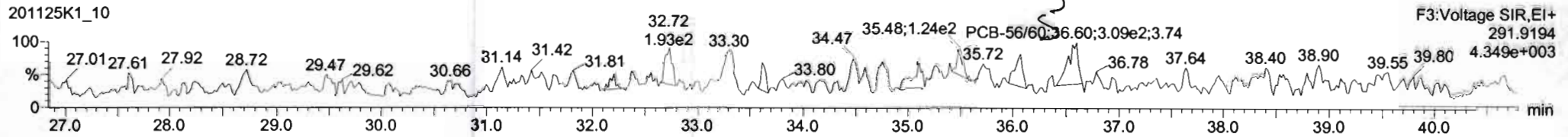
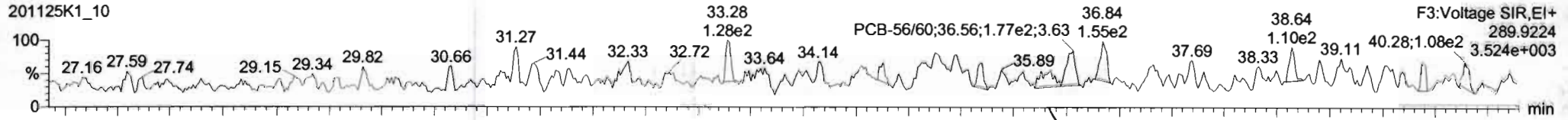
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Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

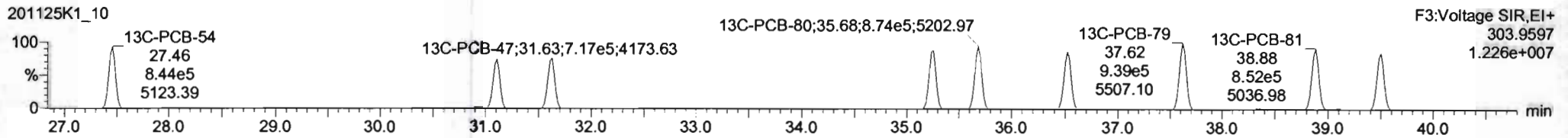
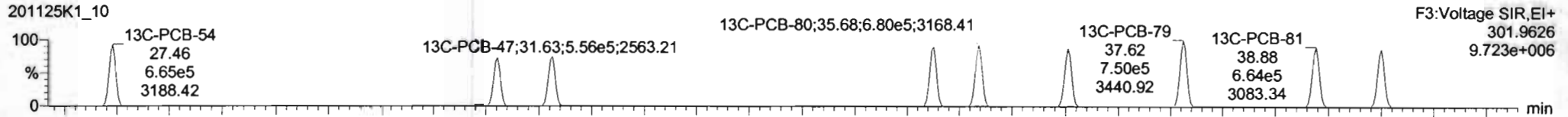
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

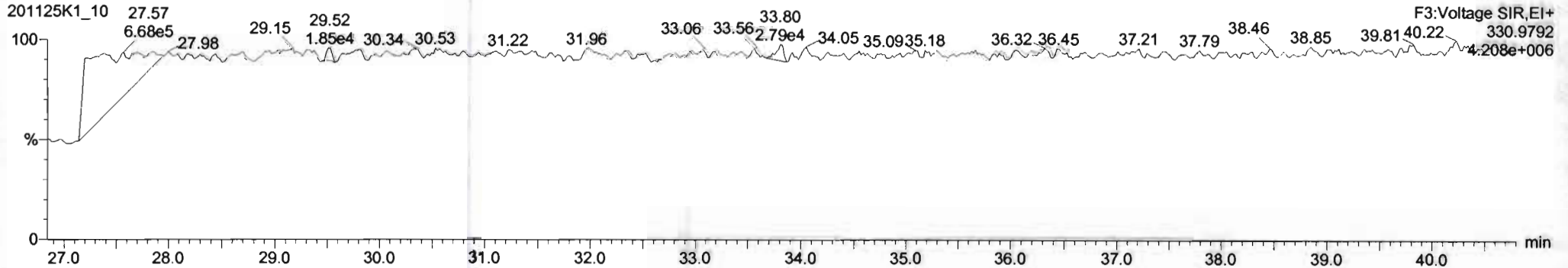
**PCB-54**



**13C-PCB-54**



**PFK3a**



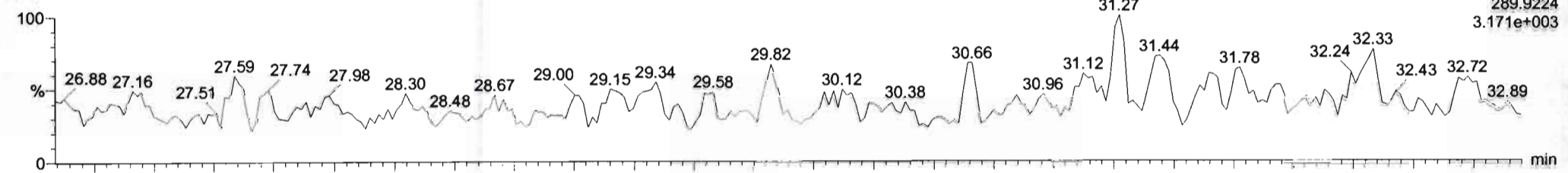
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

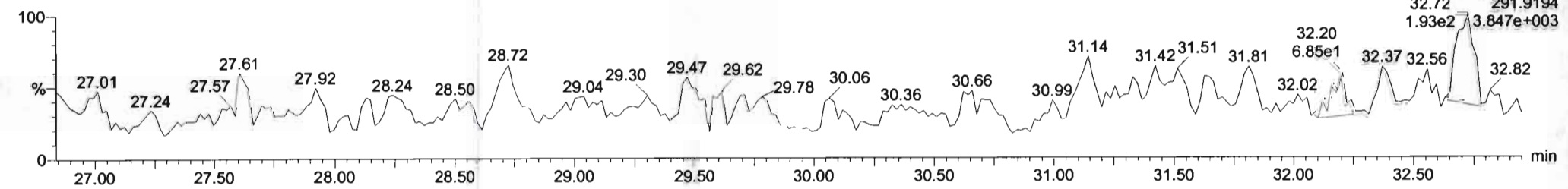
Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

PCB-50

201125K1\_10

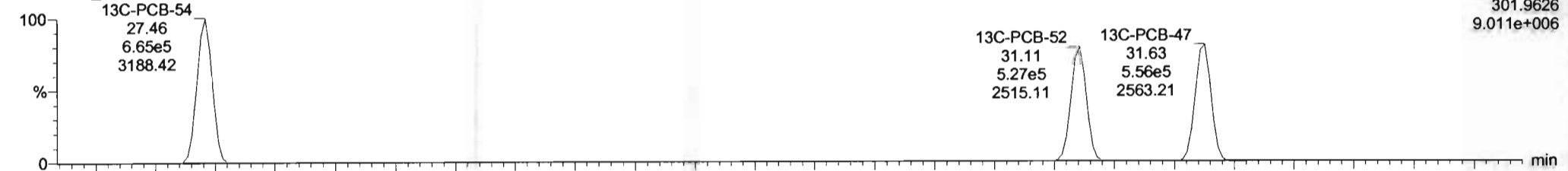


201125K1\_10

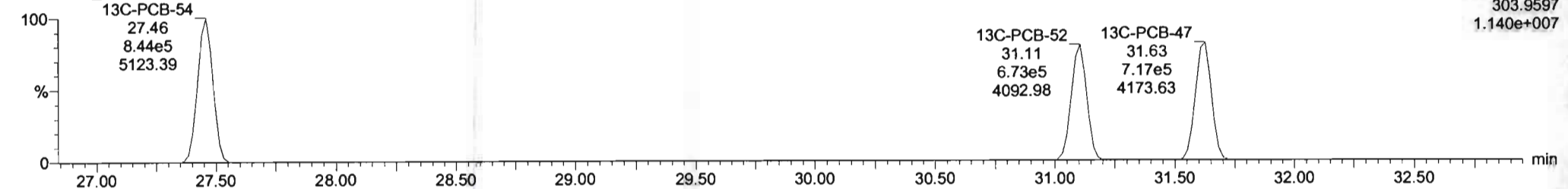


13C-PCB-52

201125K1\_10



201125K1\_10



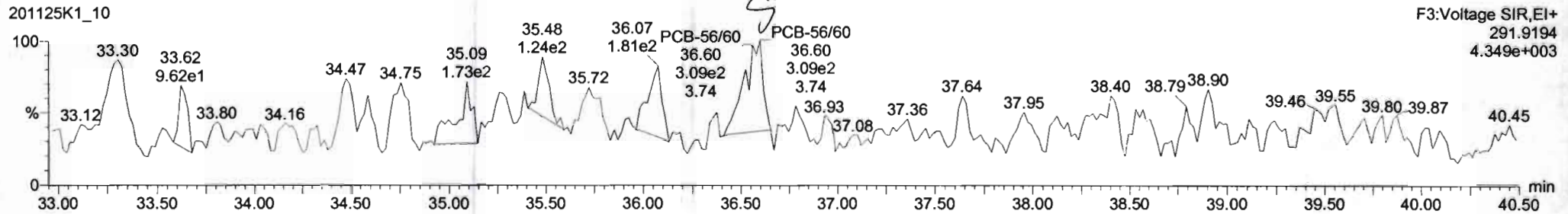
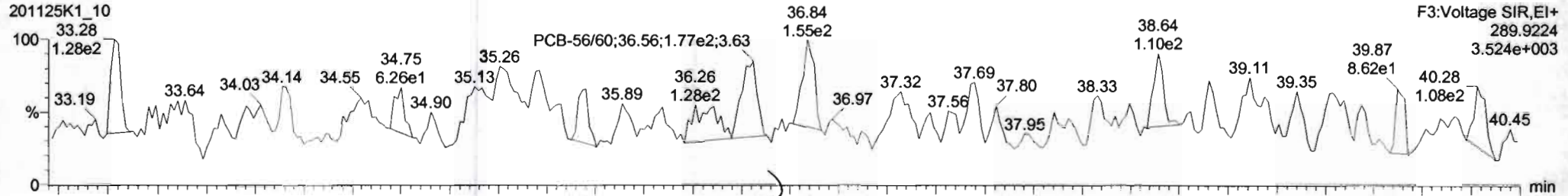
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

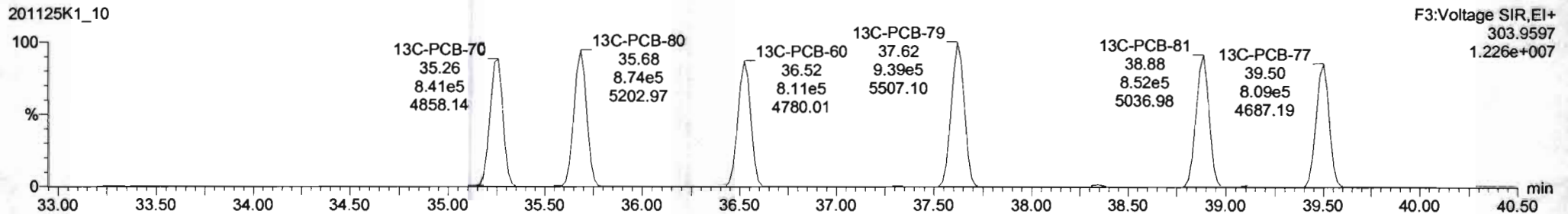
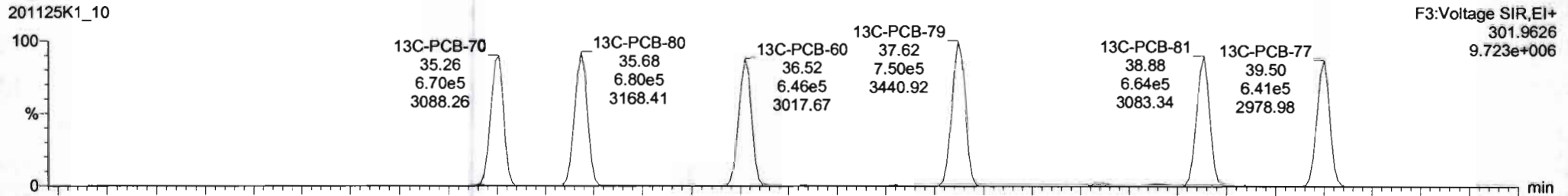
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

**PCB-68**



**13C-PCB-60**



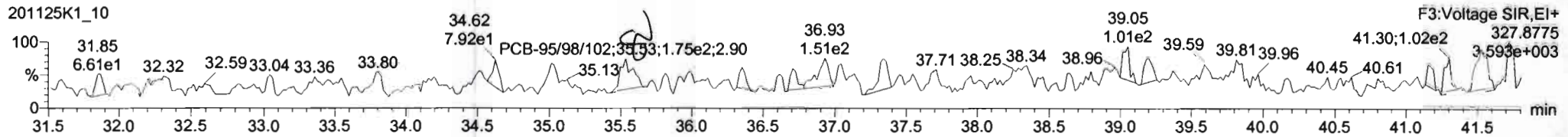
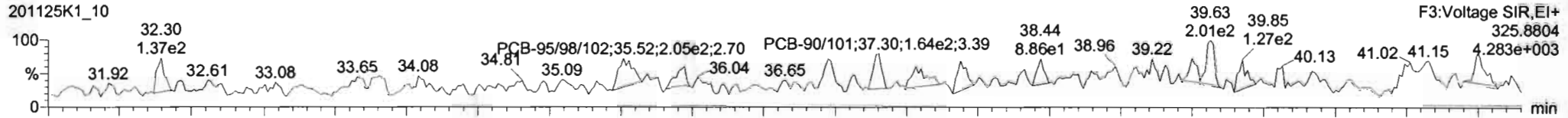
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

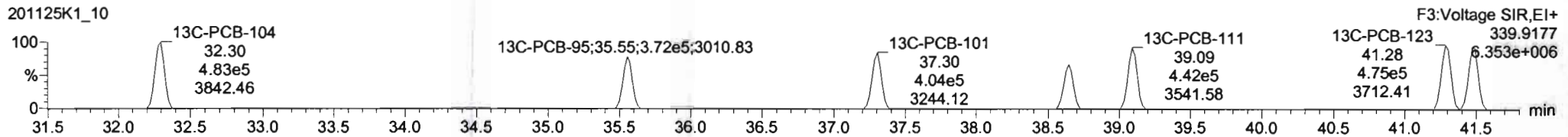
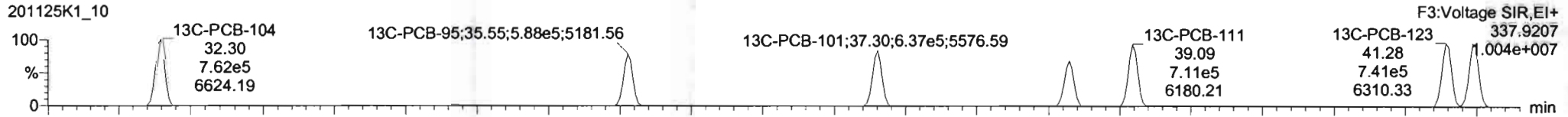
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

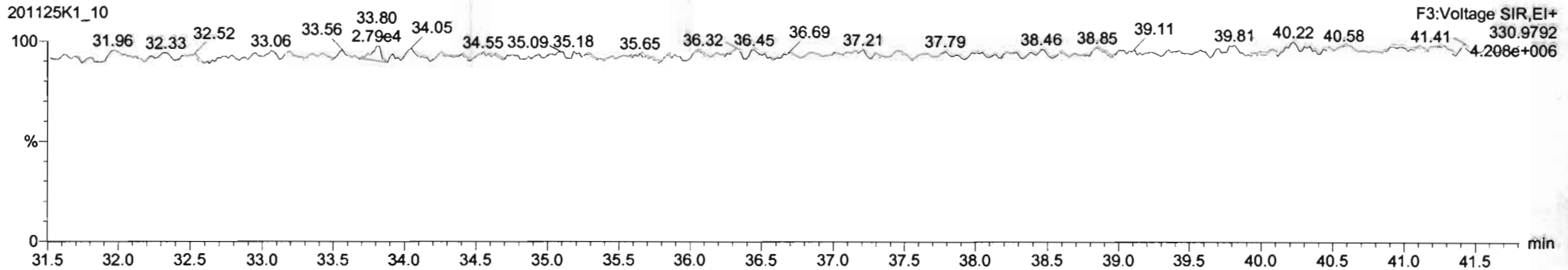
**PCB-104**



**13C-PCB-104**



**PFK3b**



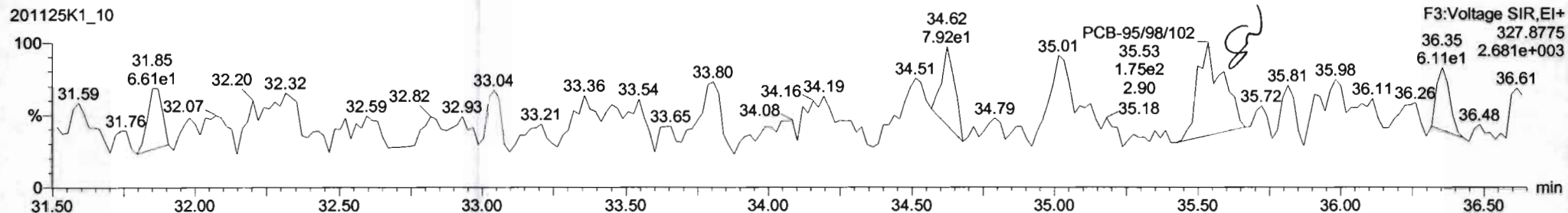
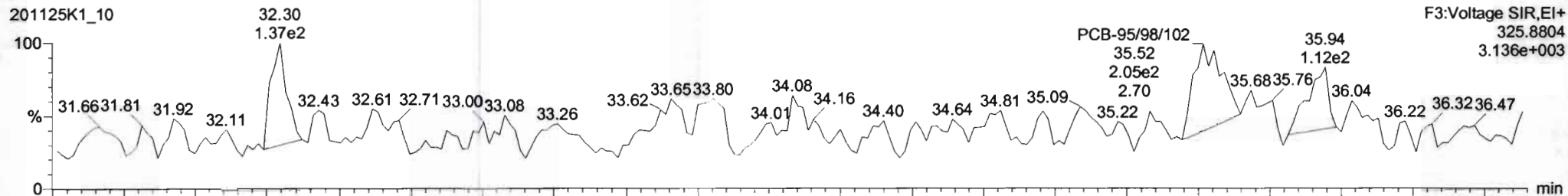


Dataset: Untitled

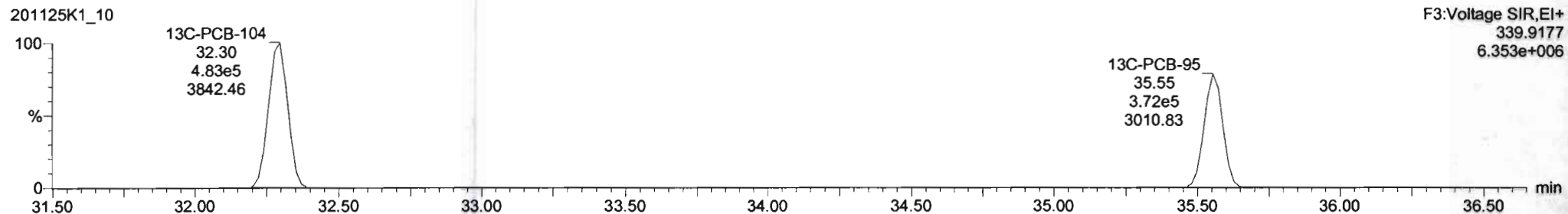
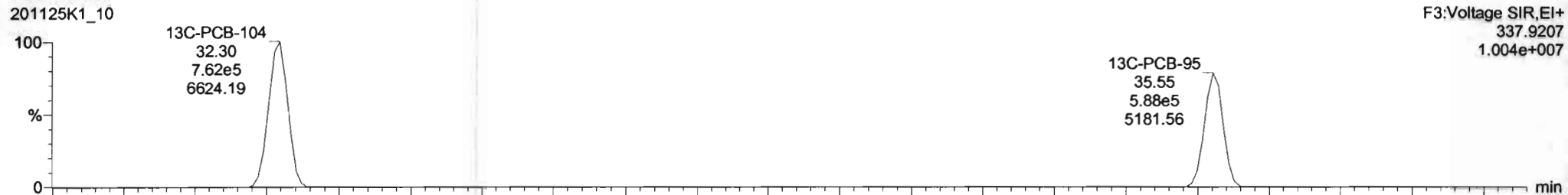
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

**PCB-96**



**13C-PCB-95**



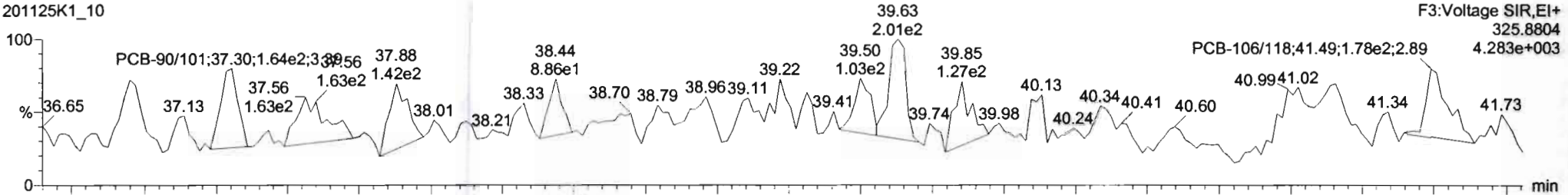
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

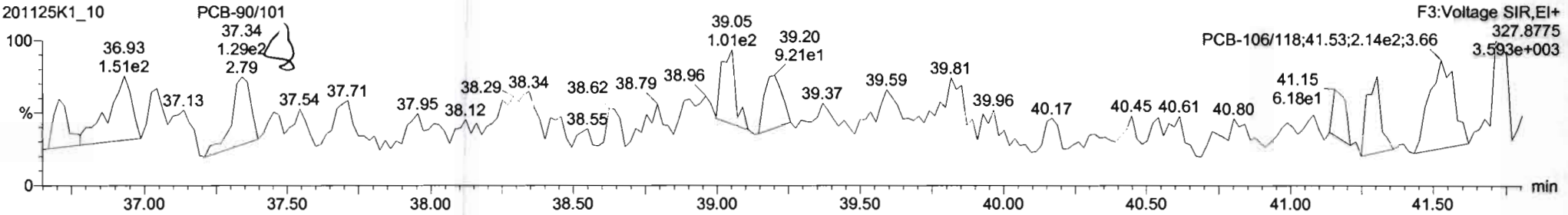
Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

**PCB-119**

201125K1\_10

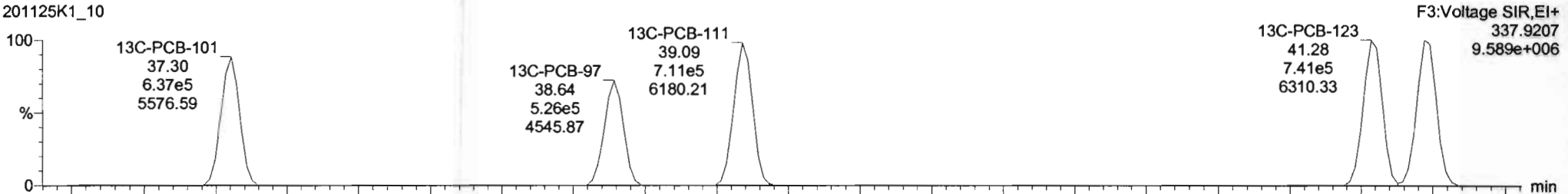


201125K1\_10

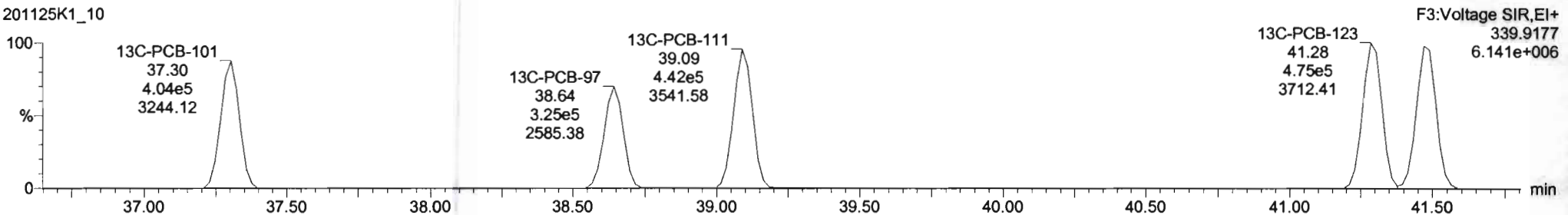


**13C-PCB-111**

201125K1\_10



201125K1\_10



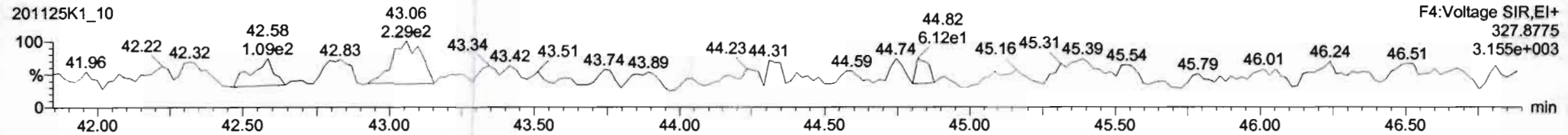
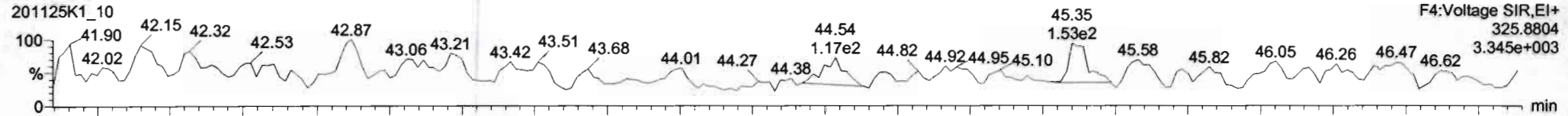
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

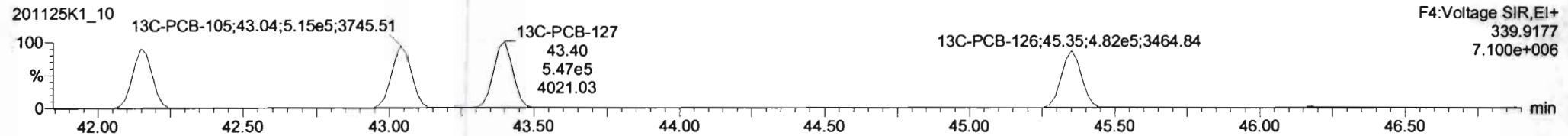
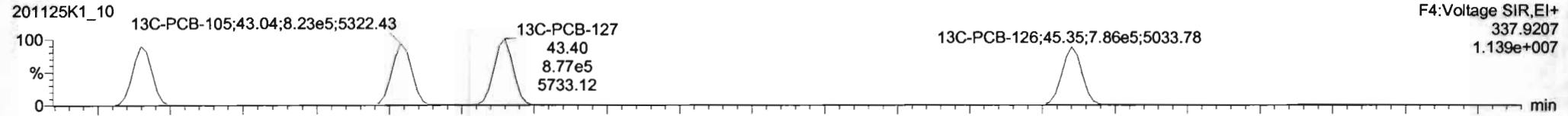
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

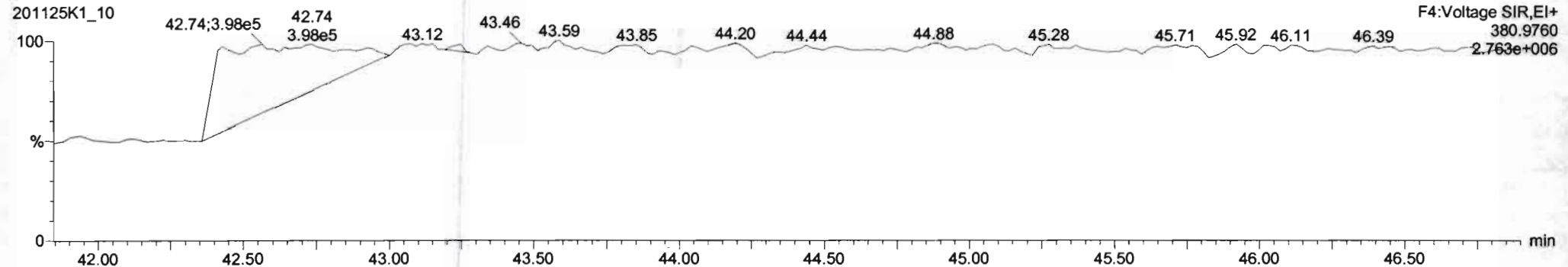
**PCB-114**



**13C-PCB-114**



**PFK4a**



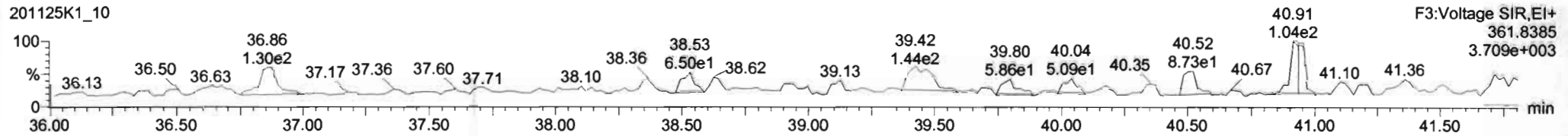
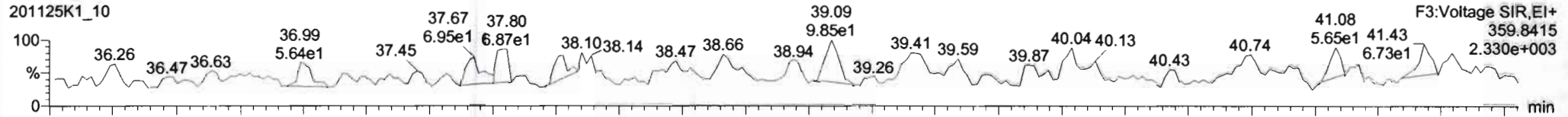
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

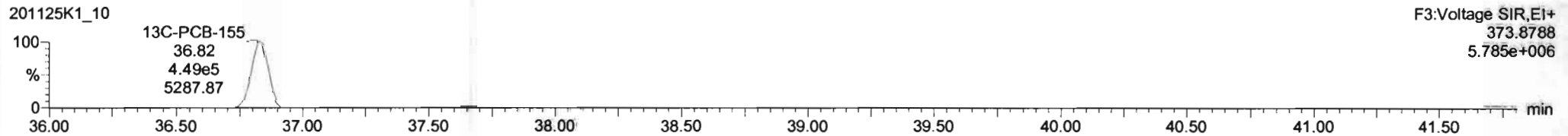
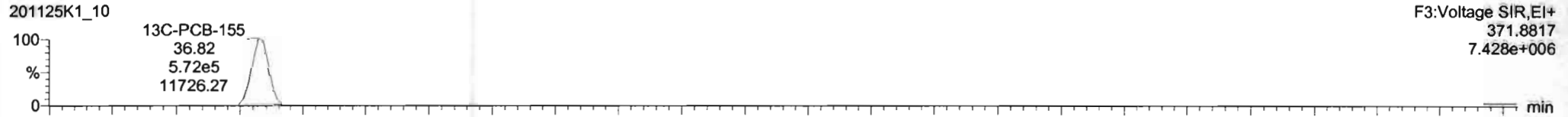
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

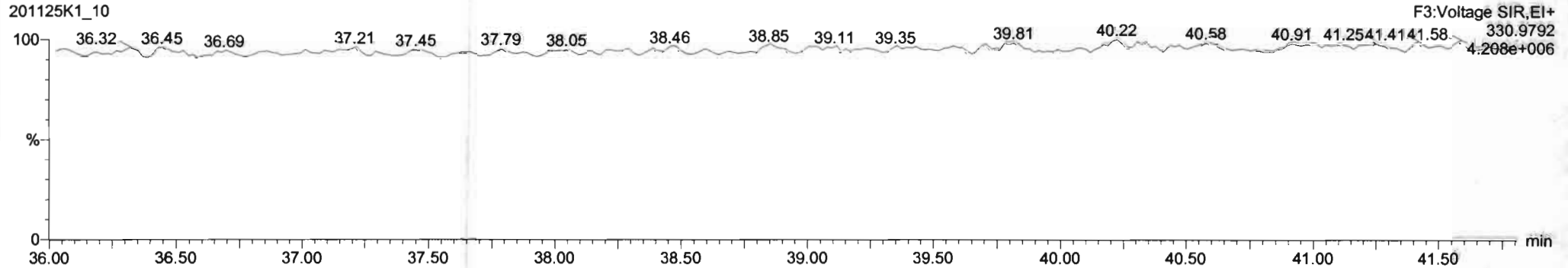
**PCB-155**



**13C-PCB-155**



**PFK3c**





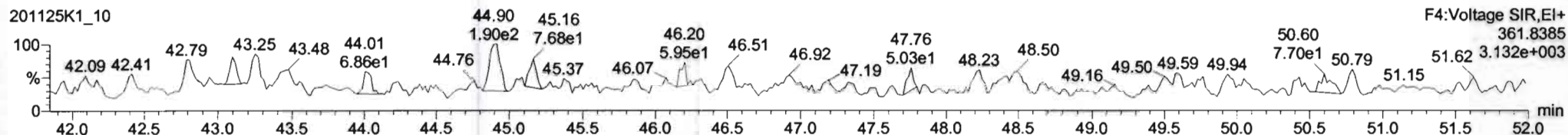
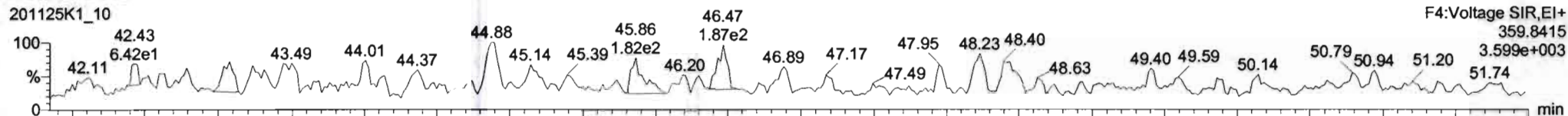
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

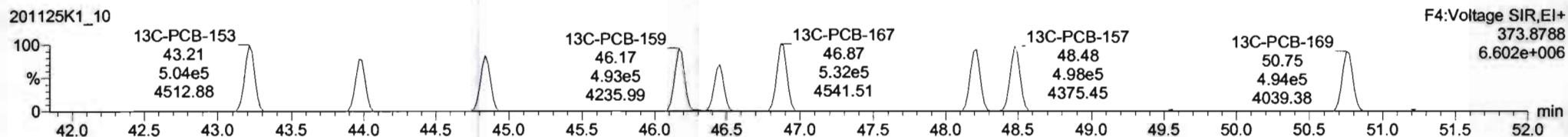
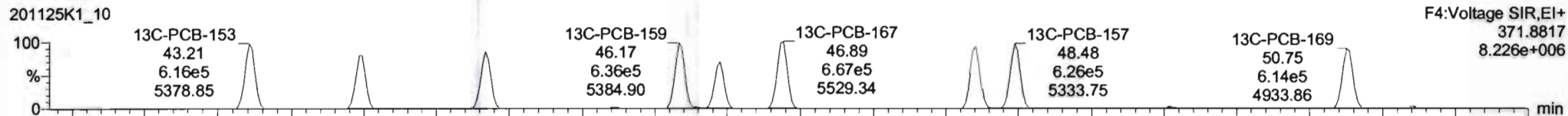
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

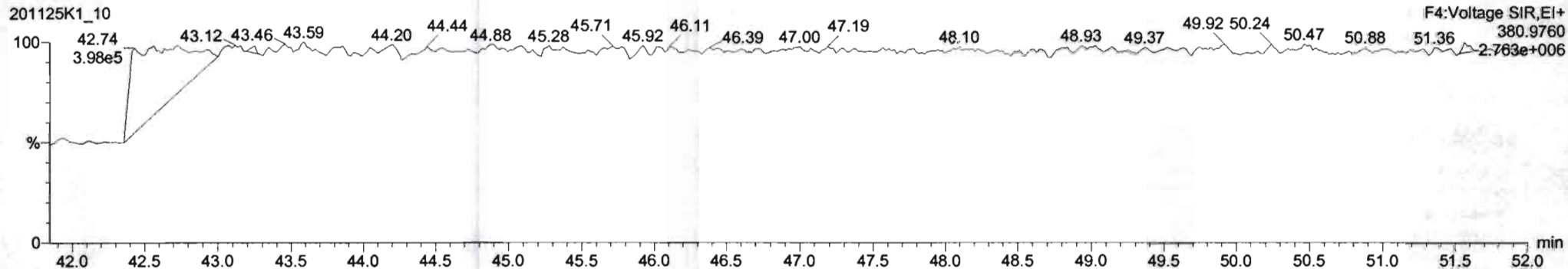
**PCB-134/143**



**13C-PCB-153**



**PFK4b**

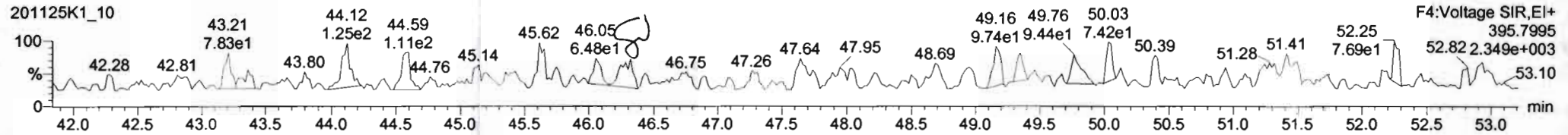
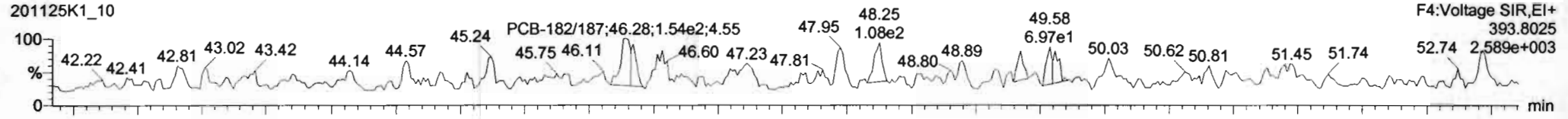


Dataset: Untitled

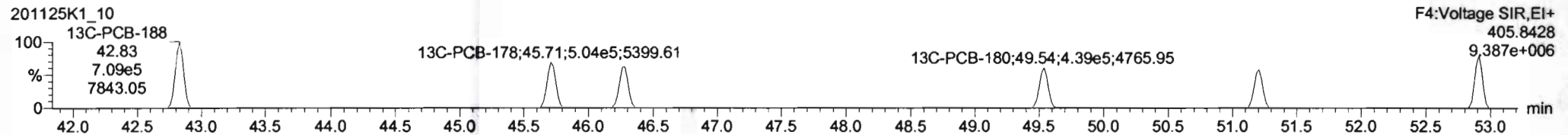
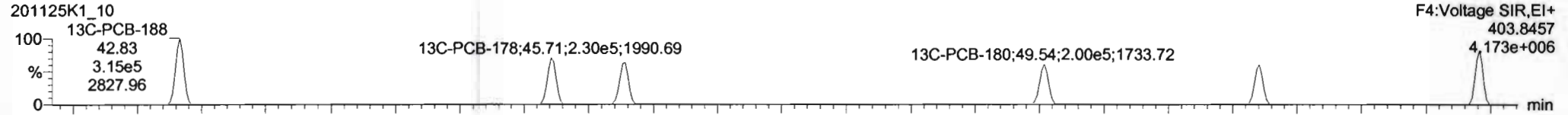
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

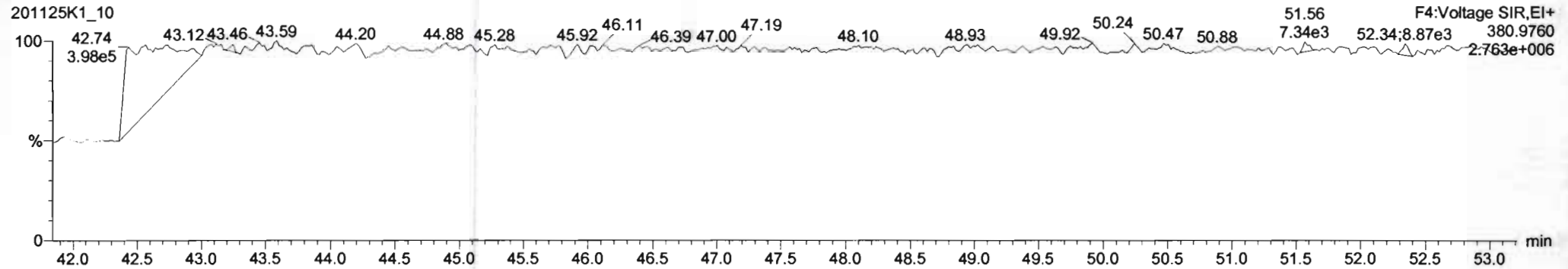
**PCB-188**



**13C-PCB-188**



**PFK4c**



Dataset: Untitled

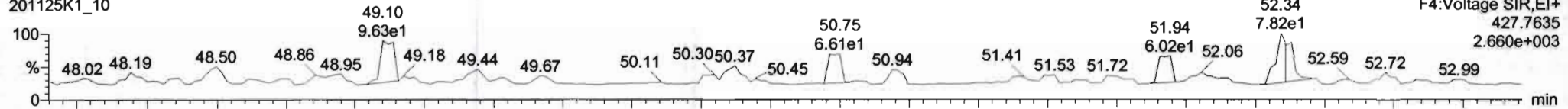
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

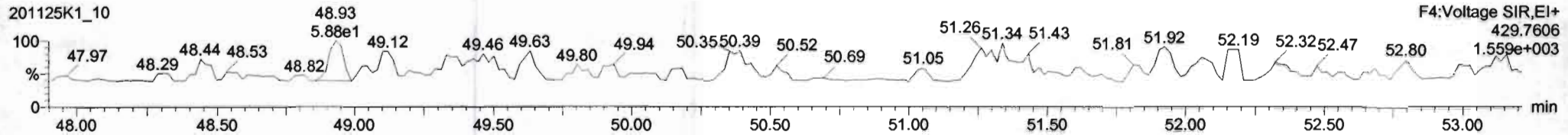
Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

**PCB-202**

201125K1\_10

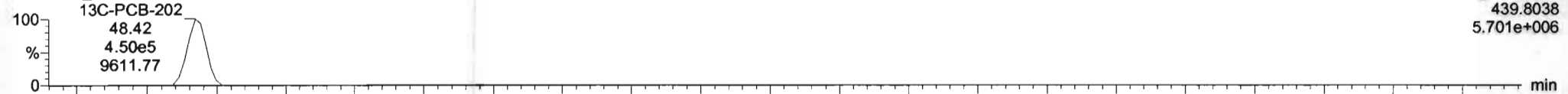


201125K1\_10

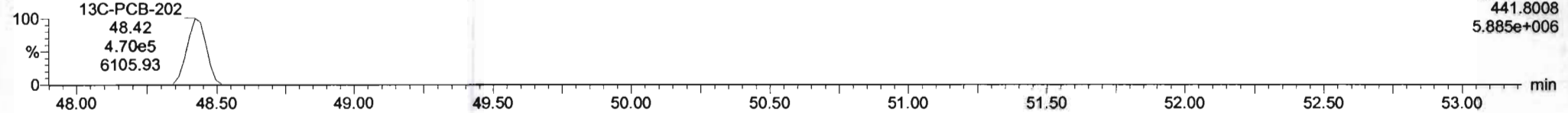


**13C-PCB-202**

201125K1\_10

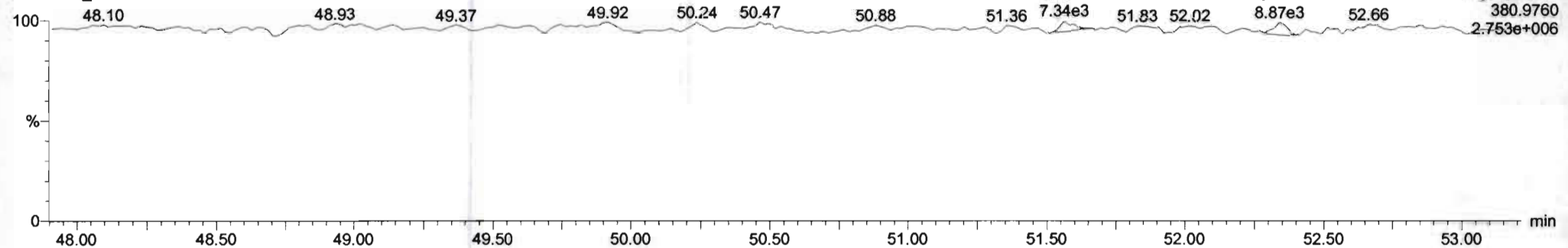


201125K1\_10



**PFK4d**

201125K1\_10



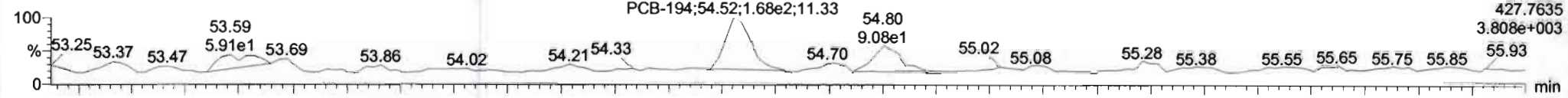
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

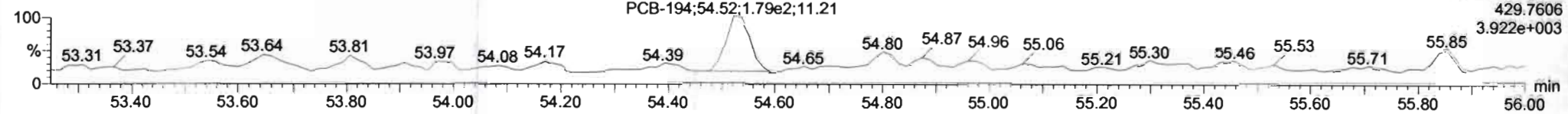
Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

**PCB-195**

201125K1\_10

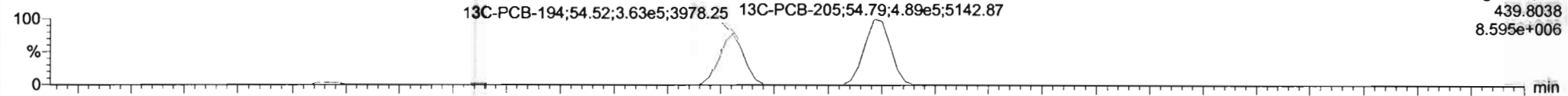


201125K1\_10

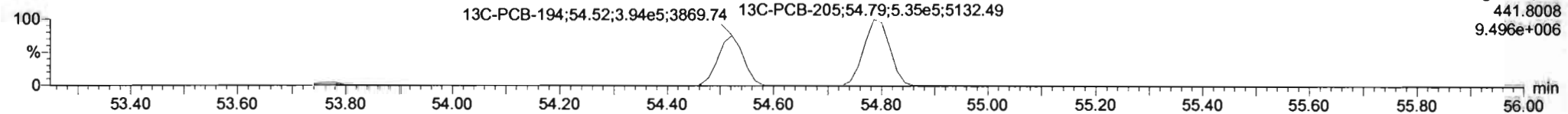


**13C-PCB-194**

201125K1\_10

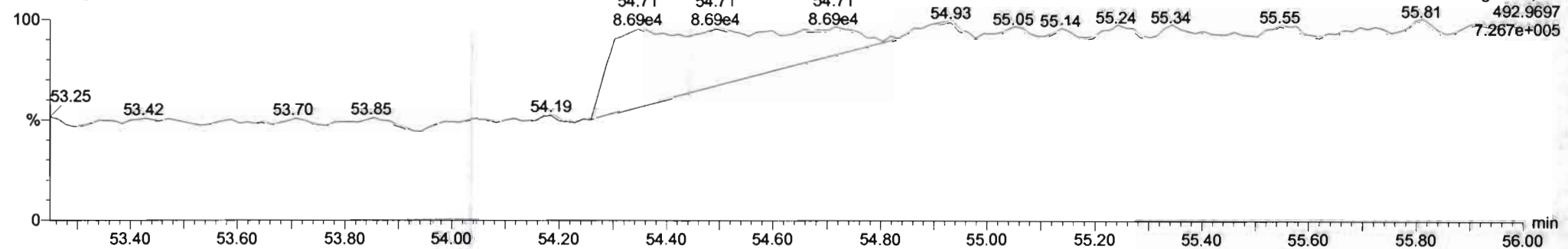


201125K1\_10



**PFK5a**

201125K1\_10





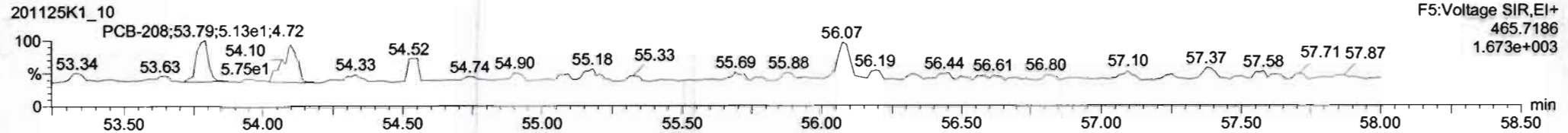
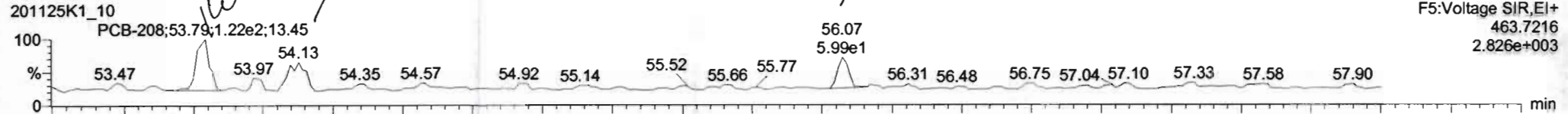
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

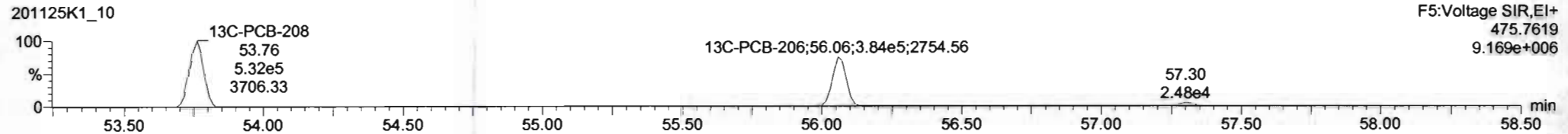
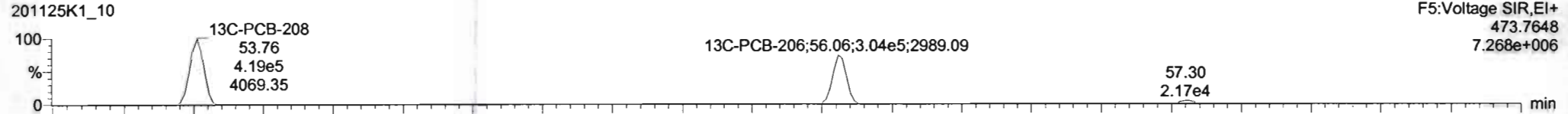
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

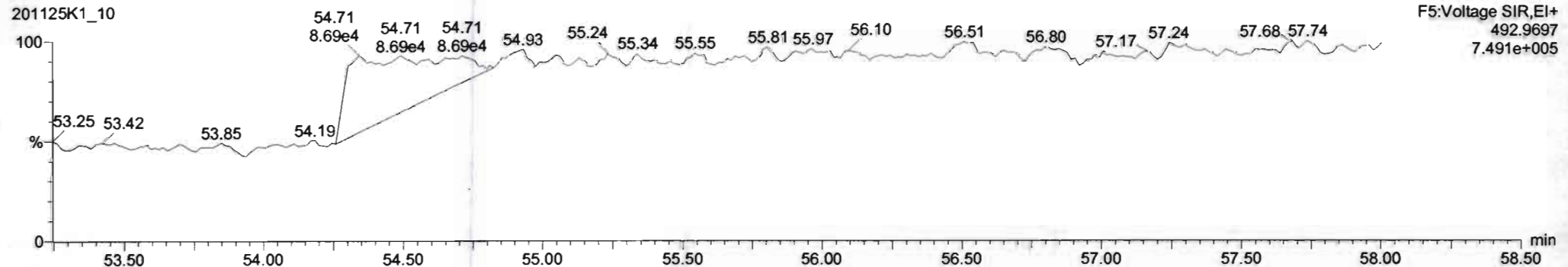
**PCB-208**

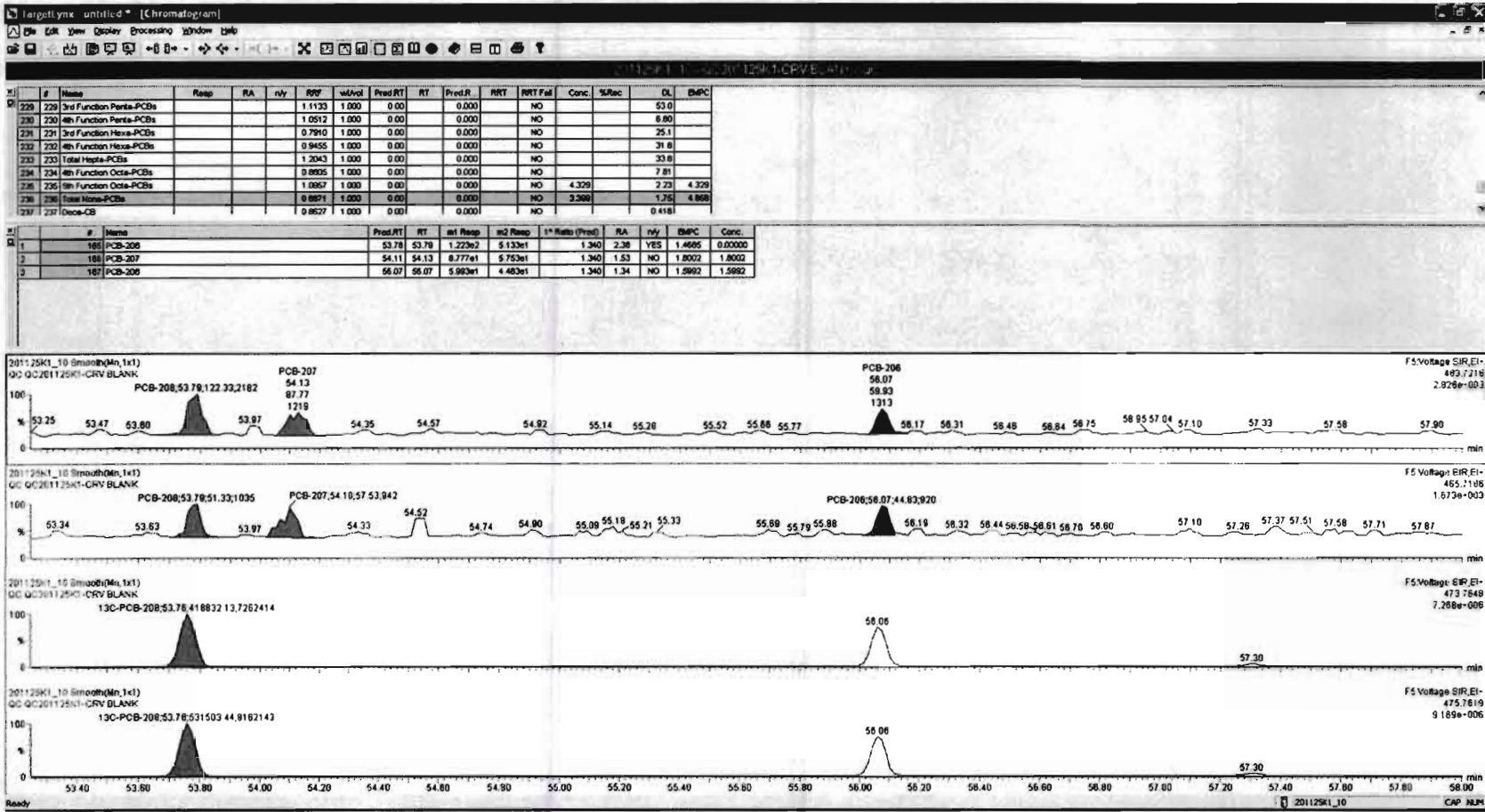


**13C-PCB-208**



**PFK5**





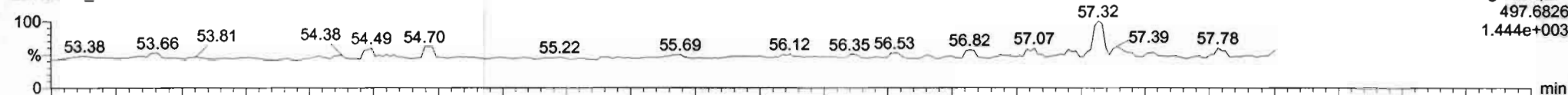
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

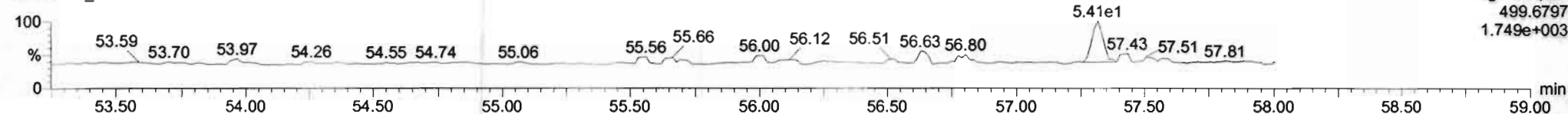
Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

**PCB-209**

201125K1\_10

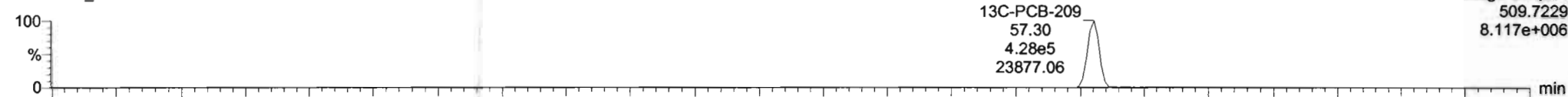


201125K1\_10

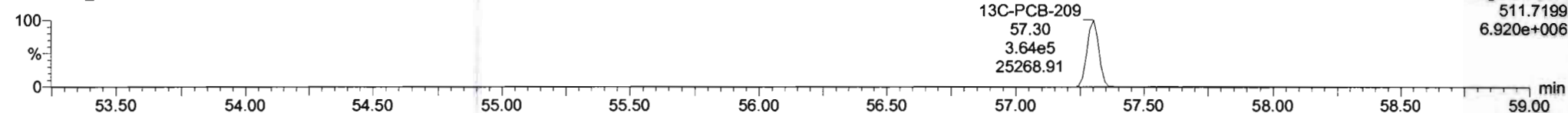


**13C-PCB-209**

201125K1\_10

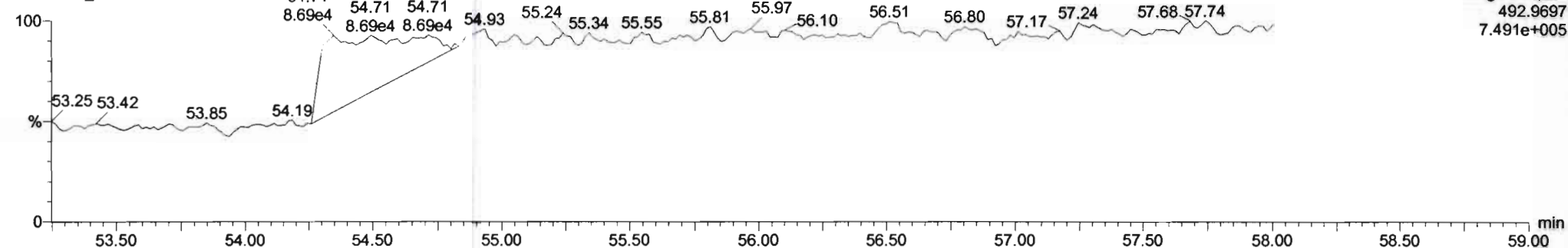


201125K1\_10



**PFK5b**

201125K1\_10



#	Name	Resp	RA	n/y	R/R	ndVol	Prod RT	RT	Prod R	RRT	RRT Fail	Conc	%Rec	DL	BMP
229	229 3rd Function Penta-PCBs				1.1133	1.000	0.00	0.000			NO			53.0	
230	230 4th Function Penta-PCBs				1.0512	1.000	0.00	0.000			NO			6.80	
231	231 3rd Function Hexa-PCBs				0.7916	1.000	0.00	0.000			NO			25.1	
232	232 4th Function Hexa-PCBs				0.9455	1.000	0.00	0.000			NO			31.8	
233	233 Total Hepta-PCBs				1.2043	1.000	0.00	0.000			NO			33.8	
234	234 4th Function Octa-PCBs				0.8605	1.000	0.00	0.000			NO			7.91	
235	235 5th Function Octa-PCBs				1.0957	1.000	0.00	0.000			NO	4.320		2.23	4.320
236	236 Total Nona-PCBs				0.8871	1.000	0.00	0.000			NO	3.389		1.75	4.668
237	237 Dewax-Cl				0.8827	1.000	0.00	0.000			NO	0.0000		0.4161	1.007

#	Name	Prod RT	RT	nt Resp	nd Resp	1 <sup>st</sup> Resp (Prod)	RA	n/y	BMP	Conc
1	100 PCB-200	57.30	57.32	3.899e1	5.408e1	1.170	0.72	YES	1.0000	0.00000

