

June 03, 2020

Vista Work Order No. 2000957

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 April 28, 2020 under your Project Name 'Gasco PDI'.

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.

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. 2000957

Case Narrative

Sample Condition on Receipt:

Twenty-one sediment samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The EPA Method 1668 analyses of samples "PDI-147SC-A-00-01-200425" and "PDI-149SC-A-00-01-200425" were assigned to Vista Work Order No. 2000962 and "PDI-150SC-A-00-01-200425" was assigned to Vista Work Order No. 2000965. The EPA Method 1613 analysis of sample "PDI-150SC-A-00-01-200425" was assigned to Vista Work Order No. 2000968.

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-5MS 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 in the Method Blank. The OPR recoveries were within the method acceptance criteria.

As requested, a duplicate was performed on sample "PDI-147SC-A-12-13-200425". The RPDs were outside of the acceptance criteria for OCDD, 1,2,3,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF and 1,2,3,4,7,8,9-HpCDF.

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

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2000957-01	PDI-1147SC-A-13-14-200425	25-Apr-20 14:57	28-Apr-20 09:04	Amber Glass, 120 mL
2000957-02	PDI-147SC-A-00-01-200425	25-Apr-20 14:57	28-Apr-20 09:04	Amber Glass, 120 mL
2000957-03	PDI-147SC-A-05-06-200425	25-Apr-20 14:57	28-Apr-20 09:04	Amber Glass, 120 mL
2000957-04	PDI-147SC-A-06-07-200425	25-Apr-20 14:57	28-Apr-20 09:04	Amber Glass, 120 mL
2000957-05	PDI-147SC-A-07-08-200425	25-Apr-20 14:57	28-Apr-20 09:04	Amber Glass, 120 mL
2000957-06	PDI-147SC-A-08-09-200425	25-Apr-20 14:57	28-Apr-20 09:04	Amber Glass, 120 mL
2000957-07	PDI-147SC-A-09-10-200425	25-Apr-20 14:57	28-Apr-20 09:04	Amber Glass, 120 mL
2000957-08	PDI-147SC-A-10-11-200425	25-Apr-20 14:57	28-Apr-20 09:04	Amber Glass, 120 mL
2000957-09	PDI-147SC-A-11-12-200425	25-Apr-20 14:57	28-Apr-20 09:04	Amber Glass, 120 mL
2000957-10	PDI-147SC-A-12-13-200425	DUP25-Apr-20 14:57	28-Apr-20 09:04	Amber Glass, 120 mL Amber Glass, 120 mL
2000957-11	PDI-147SC-A-13-14-200425	25-Apr-20 14:57	28-Apr-20 09:04	Amber Glass, 120 mL
2000957-12	PDI-147SC-A-14-14.5-200425	25-Apr-20 14:57	28-Apr-20 09:04	Amber Glass, 120 mL
2000957-13	PDI-149SC-A-00-01-200425	25-Apr-20 13:06	28-Apr-20 09:04	Amber Glass, 120 mL
2000957-14	PDI-149SC-A-04-05-200425	25-Apr-20 13:06	28-Apr-20 09:04	Amber Glass, 120 mL
2000957-15	PDI-149SC-A-05-06-200425	25-Apr-20 13:06	28-Apr-20 09:04	Amber Glass, 120 mL
2000957-16	PDI-149SC-A-06-07-200425	25-Apr-20 13:06	28-Apr-20 09:04	Amber Glass, 120 mL
2000957-17	PDI-149SC-A-07-08-200425	25-Apr-20 13:06	28-Apr-20 09:04	Amber Glass, 120 mL
2000957-18	PDI-149SC-A-08-09-200425	25-Apr-20 13:06	28-Apr-20 09:04	Amber Glass, 120 mL
2000957-19	PDI-149SC-A-09-10-200425	25-Apr-20 13:06	28-Apr-20 09:04	Amber Glass, 120 mL
2000957-20	PDI-149SC-A-10-11-200425	25-Apr-20 13:06	28-Apr-20 09:04	Amber Glass, 120 mL

ANALYTICAL RESULTS

Sample ID: Method Blank **EPA Method 1613B**

Matrix: Solid	QC Batch: B0E0022	Lab Sample: B0E0022-BLK1
Sample Size: 10.0 g	Date Extracted: 04-May-2020 6:11	Date Analyzed: 19-May-20 16:37 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0517			IS 13C-2,3,7,8-TCDD	75.3	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0471			13C-1,2,3,7,8-PeCDD	82.7	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0597			13C-1,2,3,4,7,8-HxCDD	75.3	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0593			13C-1,2,3,6,7,8-HxCDD	73.8	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.0722			13C-1,2,3,7,8,9-HxCDD	72.8	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	0.0935			13C-1,2,3,4,6,7,8-HpCDD	77.7	23 - 140	
OCDD	ND	0.0855			13C-OCDD	72.3	17 - 157	
2,3,7,8-TCDF	ND	0.0450			13C-2,3,7,8-TCDF	74.7	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0347			13C-1,2,3,7,8-PeCDF	82.6	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0335			13C-2,3,4,7,8-PeCDF	82.3	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0540			13C-1,2,3,4,7,8-HxCDF	71.6	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0513			13C-1,2,3,6,7,8-HxCDF	74.0	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0550			13C-2,3,4,6,7,8-HxCDF	71.8	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0857			13C-1,2,3,7,8,9-HxCDF	73.0	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0572			13C-1,2,3,4,6,7,8-HpCDF	72.9	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0626			13C-1,2,3,4,7,8,9-HpCDF	82.4	26 - 138	
OCDF	ND	0.0796			13C-OCDF	80.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	81.5	35 - 197	

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

TEQMinWHO2005Dioxin 0.00

TOTALS		
Total TCDD	ND	0.0517
Total PeCDD	ND	0.0471
Total HxCDD	ND	0.0722
Total HpCDD	ND	0.0935
Total TCDF	ND	0.0450
Total PeCDF	ND	0.0347
Total HxCDF	ND	0.0857
Total HpCDF	ND	0.0626

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	QC Batch: B0E0022	Lab Sample: B0E0022-BS1					
Sample Size: 10.0 g	Date Extracted: 04-May-2020 6:11	Date Analyzed: 19-May-20 15:04	Column: ZB-5MS				
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	17.4	20.0	86.8	67 - 158	IS 13C-2,3,7,8-TCDD	76.3	20 - 175
1,2,3,7,8-PeCDD	88.3	100	88.3	70 - 142	13C-1,2,3,7,8-PeCDD	85.0	21 - 227
1,2,3,4,7,8-HxCDD	96.9	100	96.9	70 - 164	13C-1,2,3,4,7,8-HxCDD	74.9	21 - 193
1,2,3,6,7,8-HxCDD	96.5	100	96.5	76 - 134	13C-1,2,3,6,7,8-HxCDD	74.0	25 - 163
1,2,3,7,8,9-HxCDD	93.1	100	93.1	64 - 162	13C-1,2,3,7,8,9-HxCDD	75.6	21 - 193
1,2,3,4,6,7,8-HpCDD	97.1	100	97.1	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	73.7	26 - 166
OCDD	197	200	98.5	78 - 144	13C-OCDD	70.7	13 - 199
2,3,7,8-TCDF	18.7	20.0	93.7	75 - 158	13C-2,3,7,8-TCDF	76.8	22 - 152
1,2,3,7,8-PeCDF	95.2	100	95.2	80 - 134	13C-1,2,3,7,8-PeCDF	85.1	21 - 192
2,3,4,7,8-PeCDF	94.2	100	94.2	68 - 160	13C-2,3,4,7,8-PeCDF	87.5	13 - 328
1,2,3,4,7,8-HxCDF	105	100	105	72 - 134	13C-1,2,3,4,7,8-HxCDF	72.8	19 - 202
1,2,3,6,7,8-HxCDF	103	100	103	84 - 130	13C-1,2,3,6,7,8-HxCDF	75.0	21 - 159
2,3,4,6,7,8-HxCDF	104	100	104	70 - 156	13C-2,3,4,6,7,8-HxCDF	72.6	22 - 176
1,2,3,7,8,9-HxCDF	107	100	107	78 - 130	13C-1,2,3,7,8,9-HxCDF	75.6	17 - 205
1,2,3,4,6,7,8-HpCDF	104	100	104	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	72.0	21 - 158
1,2,3,4,7,8,9-HpCDF	102	100	102	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	81.4	20 - 186
OCDF	206	200	103	63 - 170	13C-OCDF	73.9	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	84.4	31 - 191

LCL-UCL - Lower control limit - upper control limit

Sample ID: PDI-1147SC-A-13-14-200425 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000957-01 Date Received: 28-Apr-2020 9:04
Project: Gasco PDI	Sample Size: 17.4 g	QC Batch: B0E0022 Date Extracted: 04-May-2020 6:11
Date Collected: 25-Apr-2020 14:57	% Solids: 57.8	Date Analyzed : 19-May-20 17:23 Column: ZB-5MS 20-May-20 21:00 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	1.17				IS 13C-2,3,7,8-TCDD	90.0	25 - 164	
1,2,3,7,8-PeCDD	2.42			J	13C-1,2,3,7,8-PeCDD	101	25 - 181	
1,2,3,4,7,8-HxCDD	2.95				13C-1,2,3,4,7,8-HxCDD	83.6	32 - 141	
1,2,3,6,7,8-HxCDD	22.2				13C-1,2,3,6,7,8-HxCDD	81.8	28 - 130	
1,2,3,7,8,9-HxCDD	8.98				13C-1,2,3,7,8,9-HxCDD	83.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	495				13C-1,2,3,4,6,7,8-HpCDD	77.6	23 - 140	
OCDD	4890				13C-OCDD	58.7	17 - 157	
2,3,7,8-TCDF	39.7				13C-2,3,7,8-TCDF	87.1	24 - 169	
1,2,3,7,8-PeCDF	122				13C-1,2,3,7,8-PeCDF	102	24 - 185	
2,3,4,7,8-PeCDF	48.5				13C-2,3,4,7,8-PeCDF	100	21 - 178	
1,2,3,4,7,8-HxCDF	288				13C-1,2,3,4,7,8-HxCDF	86.8	26 - 152	
1,2,3,6,7,8-HxCDF	78.2				13C-1,2,3,6,7,8-HxCDF	87.0	26 - 123	
2,3,4,6,7,8-HxCDF	18.0				13C-2,3,4,6,7,8-HxCDF	80.9	28 - 136	
1,2,3,7,8,9-HxCDF	3.77				13C-1,2,3,7,8,9-HxCDF	90.0	29 - 147	
1,2,3,4,6,7,8-HpCDF	150				13C-1,2,3,4,6,7,8-HpCDF	79.3	28 - 143	
1,2,3,4,7,8,9-HpCDF	37.6				13C-1,2,3,4,7,8,9-HpCDF	87.4	26 - 138	
OCDF	318				13C-OCDF	69.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	107	35 - 197	

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

TEQMinWHO2005Dioxin	76.4
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TOTALS		
Total TCDD	10.8	11.5
Total PeCDD	21.6	
Total HxCDD	183	184
Total HpCDD	1110	
Total TCDF	156	157
Total PeCDF	337	338
Total HxCDF	541	
Total HpCDF	424	

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: PDI-147SC-A-00-01-200425 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000957-02 Date Received: 28-Apr-2020 9:04
Project: Gasco PDI	Sample Size: 15.1 g	QC Batch: B0E0022 Date Extracted: 04-May-2020 6:11
Date Collected: 25-Apr-2020 14:57	% Solids: 66.5	Date Analyzed : 19-May-20 18:09 Column: ZB-5MS 20-May-20 21:32 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.109			IS 13C-2,3,7,8-TCDD	95.7	25 - 164	
1,2,3,7,8-PeCDD	ND		0.144		13C-1,2,3,7,8-PeCDD	110	25 - 181	
1,2,3,4,7,8-HxCDD	0.460			J	13C-1,2,3,4,7,8-HxCDD	81.2	32 - 141	
1,2,3,6,7,8-HxCDD	1.37			J	13C-1,2,3,6,7,8-HxCDD	87.9	28 - 130	
1,2,3,7,8,9-HxCDD	0.647			J	13C-1,2,3,7,8,9-HxCDD	85.9	32 - 141	
1,2,3,4,6,7,8-HpCDD	38.8				13C-1,2,3,4,6,7,8-HpCDD	85.6	23 - 140	
OCDD	383				13C-OCDD	86.8	17 - 157	
2,3,7,8-TCDF	3.27				13C-2,3,7,8-TCDF	90.0	24 - 169	
1,2,3,7,8-PeCDF	3.52				13C-1,2,3,7,8-PeCDF	102	24 - 185	
2,3,4,7,8-PeCDF	ND		0.654		13C-2,3,4,7,8-PeCDF	103	21 - 178	
1,2,3,4,7,8-HxCDF	5.02				13C-1,2,3,4,7,8-HxCDF	88.4	26 - 152	
1,2,3,6,7,8-HxCDF	1.24			J	13C-1,2,3,6,7,8-HxCDF	93.7	26 - 123	
2,3,4,6,7,8-HxCDF	0.653			J	13C-2,3,4,6,7,8-HxCDF	89.6	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.299		13C-1,2,3,7,8,9-HxCDF	95.6	29 - 147	
1,2,3,4,6,7,8-HpCDF	8.21				13C-1,2,3,4,6,7,8-HpCDF	89.9	28 - 143	
1,2,3,4,7,8,9-HpCDF	1.19			J	13C-1,2,3,4,7,8,9-HpCDF	96.4	26 - 138	
OCDF	24.0				13C-OCDF	93.3	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	103	35 - 197	

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

TEQMinWHO2005Dioxin 1.98

TOTALS		
Total TCDD	1.48	
Total PeCDD	0.868	1.66
Total HxCDD	12.8	
Total HpCDD	90.0	
Total TCDF	8.45	9.50
Total PeCDF	8.38	11.0
Total HxCDF	15.6	16.2
Total HpCDF	28.2	

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: PDI-147SC-A-05-06-200425 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000957-03 Date Received: 28-Apr-2020 9:04
Project: Gasco PDI	Sample Size: 14.5 g	QC Batch: B0E0022 Date Extracted: 04-May-2020 6:11
Date Collected: 25-Apr-2020 14:57	% Solids: 69.2	Date Analyzed : 19-May-20 18:55 Column: ZB-5MS 20-May-20 22:03 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	0.821				IS 13C-2,3,7,8-TCDD	71.8	25 - 164	
1,2,3,7,8-PeCDD	0.471			J	13C-1,2,3,7,8-PeCDD	80.4	25 - 181	
1,2,3,4,7,8-HxCDD	ND		3.11		13C-1,2,3,4,7,8-HxCDD	58.1	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.882			13C-1,2,3,6,7,8-HxCDD	57.5	28 - 130	
1,2,3,7,8,9-HxCDD	1.67			J	13C-1,2,3,7,8,9-HxCDD	55.6	32 - 141	
1,2,3,4,6,7,8-HpCDD	194				13C-1,2,3,4,6,7,8-HpCDD	49.6	23 - 140	
OCDD	1610				13C-OCDD	47.3	17 - 157	
2,3,7,8-TCDF	5.82				13C-2,3,7,8-TCDF	72.6	24 - 169	
1,2,3,7,8-PeCDF	6.39				13C-1,2,3,7,8-PeCDF	72.1	24 - 185	
2,3,4,7,8-PeCDF	3.02				13C-2,3,4,7,8-PeCDF	73.8	21 - 178	
1,2,3,4,7,8-HxCDF	9.33				13C-1,2,3,4,7,8-HxCDF	68.1	26 - 152	
1,2,3,6,7,8-HxCDF	ND		2.46		13C-1,2,3,6,7,8-HxCDF	69.6	26 - 123	
2,3,4,6,7,8-HxCDF	ND		0.940		13C-2,3,4,6,7,8-HxCDF	64.7	28 - 136	
1,2,3,7,8,9-HxCDF	0.692			J	13C-1,2,3,7,8,9-HxCDF	65.3	29 - 147	
1,2,3,4,6,7,8-HpCDF	15.4				13C-1,2,3,4,6,7,8-HpCDF	54.7	28 - 143	
1,2,3,4,7,8,9-HpCDF	1.96			J	13C-1,2,3,4,7,8,9-HpCDF	56.6	26 - 138	
OCDF	64.8				13C-OCDF	53.8	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	78.7	35 - 197	

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

TEQMinWHO2005Dioxin 6.76

TOTALS		
Total TCDD	7.75	9.04
Total PeCDD	5.74	7.00
Total HxCDD	47.0	53.8
Total HpCDD	509	
Total TCDF	31.1	31.6
Total PeCDF	26.0	27.8
Total HxCDF	27.3	30.7
Total HpCDF	68.1	

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: PDI-147SC-A-06-07-200425 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000957-04 Date Received: 28-Apr-2020 9:04
Project: Gasco PDI	Sample Size: 14.7 g	QC Batch: B0E0022 Date Extracted: 04-May-2020 6:11
Date Collected: 25-Apr-2020 14:57	% Solids: 68.3	Date Analyzed : 19-May-20 19:42 Column: ZB-5MS 21-May-20 14:06 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.251			IS 13C-2,3,7,8-TCDD	81.1	25 - 164	
1,2,3,7,8-PeCDD	0.459			J	13C-1,2,3,7,8-PeCDD	82.5	25 - 181	
1,2,3,4,7,8-HxCDD	ND		0.740		13C-1,2,3,4,7,8-HxCDD	71.9	32 - 141	
1,2,3,6,7,8-HxCDD	ND	1.17			13C-1,2,3,6,7,8-HxCDD	71.9	28 - 130	
1,2,3,7,8,9-HxCDD	2.33			J	13C-1,2,3,7,8,9-HxCDD	70.4	32 - 141	
1,2,3,4,6,7,8-HpCDD	514				13C-1,2,3,4,6,7,8-HpCDD	67.7	23 - 140	
OCDD	3720				13C-OCDD	71.8	17 - 157	
2,3,7,8-TCDF	3.99				13C-2,3,7,8-TCDF	77.5	24 - 169	
1,2,3,7,8-PeCDF	4.23				13C-1,2,3,7,8-PeCDF	73.1	24 - 185	
2,3,4,7,8-PeCDF	2.49				13C-2,3,4,7,8-PeCDF	74.6	21 - 178	
1,2,3,4,7,8-HxCDF	6.62				13C-1,2,3,4,7,8-HxCDF	78.3	26 - 152	
1,2,3,6,7,8-HxCDF	2.01			J	13C-1,2,3,6,7,8-HxCDF	80.3	26 - 123	
2,3,4,6,7,8-HxCDF	0.944			J	13C-2,3,4,6,7,8-HxCDF	75.7	28 - 136	
1,2,3,7,8,9-HxCDF	0.264			J	13C-1,2,3,7,8,9-HxCDF	78.3	29 - 147	
1,2,3,4,6,7,8-HpCDF	22.9				13C-1,2,3,4,6,7,8-HpCDF	70.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	2.22			J	13C-1,2,3,4,7,8,9-HpCDF	72.6	26 - 138	
OCDF	ND	0.363			13C-OCDF	75.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	87.6	35 - 197	

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

TEQMinWHO2005Dioxin 9.46

TOTALS		
Total TCDD	0.869	1.72
Total PeCDD	5.29	6.27
Total HxCDD	96.0	96.8
Total HpCDD	1270	
Total TCDF	19.8	21.2
Total PeCDF	18.2	18.4
Total HxCDF	30.7	31.4
Total HpCDF	126	

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: PDI-147SC-A-07-08-200425 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000957-05 Date Received: 28-Apr-2020 9:04
Project: Gasco PDI	Sample Size: 16.5 g	QC Batch: B0E0022 Date Extracted: 04-May-2020 6:11
Date Collected: 25-Apr-2020 14:57	% Solids: 60.9	Date Analyzed : 19-May-20 20:28 Column: ZB-5MS 21-May-20 14:38 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0909			IS 13C-2,3,7,8-TCDD	95.5	25 - 164	
1,2,3,7,8-PeCDD	ND		0.193		13C-1,2,3,7,8-PeCDD	102	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.192			13C-1,2,3,4,7,8-HxCDD	85.5	32 - 141	
1,2,3,6,7,8-HxCDD	0.622			J	13C-1,2,3,6,7,8-HxCDD	84.6	28 - 130	
1,2,3,7,8,9-HxCDD	ND		0.199		13C-1,2,3,7,8,9-HxCDD	87.5	32 - 141	
1,2,3,4,6,7,8-HpCDD	19.4				13C-1,2,3,4,6,7,8-HpCDD	81.2	23 - 140	
OCDD	198				13C-OCDD	70.4	17 - 157	
2,3,7,8-TCDF	1.96				13C-2,3,7,8-TCDF	89.3	24 - 169	
1,2,3,7,8-PeCDF	3.59				13C-1,2,3,7,8-PeCDF	97.3	24 - 185	
2,3,4,7,8-PeCDF	1.27			J	13C-2,3,4,7,8-PeCDF	94.4	21 - 178	
1,2,3,4,7,8-HxCDF	8.80				13C-1,2,3,4,7,8-HxCDF	93.7	26 - 152	
1,2,3,6,7,8-HxCDF	4.05				13C-1,2,3,6,7,8-HxCDF	94.9	26 - 123	
2,3,4,6,7,8-HxCDF	1.01			J	13C-2,3,4,6,7,8-HxCDF	91.9	28 - 136	
1,2,3,7,8,9-HxCDF	0.266			J	13C-1,2,3,7,8,9-HxCDF	94.0	29 - 147	
1,2,3,4,6,7,8-HpCDF	9.39				13C-1,2,3,4,6,7,8-HpCDF	86.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	1.68			J	13C-1,2,3,4,7,8,9-HpCDF	92.4	26 - 138	
OCDF	10.0				13C-OCDF	81.5	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	99.5	35 - 197	

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

TEQMinWHO2005Dioxin 2.53

TOTALS		
Total TCDD	0.226	0.390
Total PeCDD	0.352	1.17
Total HxCDD	6.82	7.02
Total HpCDD	54.7	
Total TCDF	6.13	7.22
Total PeCDF	10.7	
Total HxCDF	19.1	
Total HpCDF	18.0	

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: PDI-147SC-A-08-09-200425 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000957-06 Date Received: 28-Apr-2020 9:04
Project: Gasco PDI	Sample Size: 16.2 g	QC Batch: B0E0022 Date Extracted: 04-May-2020 6:11
Date Collected: 25-Apr-2020 14:57	% Solids: 61.6	Date Analyzed : 21-May-20 15:24 Column: ZB-5MS 22-May-20 13:39 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.101			IS 13C-2,3,7,8-TCDD	103	25 - 164	
1,2,3,7,8-PeCDD	ND	0.157			13C-1,2,3,7,8-PeCDD	109	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.218			13C-1,2,3,4,7,8-HxCDD	99.3	32 - 141	
1,2,3,6,7,8-HxCDD	0.982			J	13C-1,2,3,6,7,8-HxCDD	98.8	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.266			13C-1,2,3,7,8,9-HxCDD	98.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	25.9				13C-1,2,3,4,6,7,8-HpCDD	92.2	23 - 140	
OCDD	227				13C-OCDD	79.9	17 - 157	
2,3,7,8-TCDF	2.13				13C-2,3,7,8-TCDF	102	24 - 169	
1,2,3,7,8-PeCDF	1.26			J	13C-1,2,3,7,8-PeCDF	112	24 - 185	
2,3,4,7,8-PeCDF	0.887			J	13C-2,3,4,7,8-PeCDF	110	21 - 178	
1,2,3,4,7,8-HxCDF	1.56			J	13C-1,2,3,4,7,8-HxCDF	95.8	26 - 152	
1,2,3,6,7,8-HxCDF	0.463			J	13C-1,2,3,6,7,8-HxCDF	102	26 - 123	
2,3,4,6,7,8-HxCDF	0.304			J	13C-2,3,4,6,7,8-HxCDF	94.6	28 - 136	
1,2,3,7,8,9-HxCDF	0.385			J	13C-1,2,3,7,8,9-HxCDF	95.5	29 - 147	
1,2,3,4,6,7,8-HpCDF	2.51				13C-1,2,3,4,6,7,8-HpCDF	89.7	28 - 143	
1,2,3,4,7,8,9-HpCDF	0.436			J	13C-1,2,3,4,7,8,9-HpCDF	95.4	26 - 138	
OCDF	7.43				13C-OCDF	81.5	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	108	35 - 197	

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

TEQMinWHO2005Dioxin 1.25

TOTALS			
Total TCDD	0.175		
Total PeCDD	0.357		
Total HxCDD	10.4		
Total HpCDD	70.2		
Total TCDF	7.58		
Total PeCDF	5.98	6.08	
Total HxCDF	5.98		
Total HpCDF	8.69		

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: PDI-147SC-A-09-10-200425 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000957-07 Date Received: 28-Apr-2020 9:04
Project: Gasco PDI	Sample Size: 15.8 g	QC Batch: B0E0022 Date Extracted: 04-May-2020 6:11
Date Collected: 25-Apr-2020 14:57	% Solids: 63.6	Date Analyzed : 21-May-20 16:10 Column: ZB-5MS 22-May-20 14:11 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	0.430			J	IS 13C-2,3,7,8-TCDD	95.9	25 - 164	
1,2,3,7,8-PeCDD	0.899			J	13C-1,2,3,7,8-PeCDD	102	25 - 181	
1,2,3,4,7,8-HxCDD	1.36			J	13C-1,2,3,4,7,8-HxCDD	94.5	32 - 141	
1,2,3,6,7,8-HxCDD	11.8				13C-1,2,3,6,7,8-HxCDD	91.8	28 - 130	
1,2,3,7,8,9-HxCDD	4.81				13C-1,2,3,7,8,9-HxCDD	91.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	433				13C-1,2,3,4,6,7,8-HpCDD	91.2	23 - 140	
OCDD	3420				13C-OCDD	86.7	17 - 157	
2,3,7,8-TCDF	18.6				13C-2,3,7,8-TCDF	94.6	24 - 169	
1,2,3,7,8-PeCDF	33.7				13C-1,2,3,7,8-PeCDF	109	24 - 185	
2,3,4,7,8-PeCDF	15.5				13C-2,3,4,7,8-PeCDF	107	21 - 178	
1,2,3,4,7,8-HxCDF	43.6				13C-1,2,3,4,7,8-HxCDF	91.6	26 - 152	
1,2,3,6,7,8-HxCDF	10.8				13C-1,2,3,6,7,8-HxCDF	95.2	26 - 123	
2,3,4,6,7,8-HxCDF	3.52				13C-2,3,4,6,7,8-HxCDF	88.1	28 - 136	
1,2,3,7,8,9-HxCDF	3.49				13C-1,2,3,7,8,9-HxCDF	91.9	29 - 147	
1,2,3,4,6,7,8-HpCDF	29.7				13C-1,2,3,4,6,7,8-HpCDF	83.5	28 - 143	
1,2,3,4,7,8,9-HpCDF	4.87				13C-1,2,3,4,7,8,9-HpCDF	90.4	26 - 138	
OCDF	63.9				13C-OCDF	80.8	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	105	35 - 197	

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

TEQMinWHO2005Dioxin 22.5

TOTALS		
Total TCDD	2.87	
Total PeCDD	7.16	8.10
Total HxCDD	140	
Total HpCDD	932	
Total TCDF	55.8	56.8
Total PeCDF	95.5	97.0
Total HxCDF	101	
Total HpCDF	95.8	

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: PDI-147SC-A-10-11-200425 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000957-08 Date Received: 28-Apr-2020 9:04
Project: Gasco PDI	Sample Size: 16.1 g	QC Batch: B0E0022 Date Extracted: 04-May-2020 6:11
Date Collected: 25-Apr-2020 14:57	% Solids: 62.0	Date Analyzed : 21-May-20 16:56 Column: ZB-5MS 22-May-20 14:42 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	0.500				IS 13C-2,3,7,8-TCDD	72.7	25 - 164	
1,2,3,7,8-PeCDD	ND		0.963		13C-1,2,3,7,8-PeCDD	74.6	25 - 181	
1,2,3,4,7,8-HxCDD	1.16			J	13C-1,2,3,4,7,8-HxCDD	69.8	32 - 141	
1,2,3,6,7,8-HxCDD	9.20				13C-1,2,3,6,7,8-HxCDD	70.8	28 - 130	
1,2,3,7,8,9-HxCDD	3.18				13C-1,2,3,7,8,9-HxCDD	70.3	32 - 141	
1,2,3,4,6,7,8-HpCDD	305				13C-1,2,3,4,6,7,8-HpCDD	68.1	23 - 140	
OCDD	2610				13C-OCDD	71.9	17 - 157	
2,3,7,8-TCDF	13.6				13C-2,3,7,8-TCDF	70.1	24 - 169	
1,2,3,7,8-PeCDF	14.7				13C-1,2,3,7,8-PeCDF	76.8	24 - 185	
2,3,4,7,8-PeCDF	6.66				13C-2,3,4,7,8-PeCDF	77.2	21 - 178	
1,2,3,4,7,8-HxCDF	25.7				13C-1,2,3,4,7,8-HxCDF	67.5	26 - 152	
1,2,3,6,7,8-HxCDF	6.82				13C-1,2,3,6,7,8-HxCDF	71.5	26 - 123	
2,3,4,6,7,8-HxCDF	2.70				13C-2,3,4,6,7,8-HxCDF	66.1	28 - 136	
1,2,3,7,8,9-HxCDF	2.29			J	13C-1,2,3,7,8,9-HxCDF	66.9	29 - 147	
1,2,3,4,6,7,8-HpCDF	39.0				13C-1,2,3,4,6,7,8-HpCDF	63.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	4.68				13C-1,2,3,4,7,8,9-HpCDF	68.6	26 - 138	
OCDF	127				13C-OCDF	68.3	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	71.5	35 - 197	

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

TEQMinWHO2005Dioxin 13.7

TOTALS			
Total TCDD	4.58		
Total PeCDD	7.47	9.68	
Total HxCDD	94.6		
Total HpCDD	764		
Total TCDF	56.6	56.9	
Total PeCDF	57.6	60.1	
Total HxCDF	79.1		
Total HpCDF	145		

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: PDI-147SC-A-11-12-200425 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000957-09 Date Received: 28-Apr-2020 9:04
Project: Gasco PDI	Sample Size: 16.4 g	QC Batch: B0E0022 Date Extracted: 04-May-2020 6:11
Date Collected: 25-Apr-2020 14:57	% Solids: 61.0	Date Analyzed : 21-May-20 17:42 Column: ZB-5MS 22-May-20 15:14 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	0.948				IS 13C-2,3,7,8-TCDD	72.9	25 - 164	
1,2,3,7,8-PeCDD	1.29			J	13C-1,2,3,7,8-PeCDD	75.6	25 - 181	
1,2,3,4,7,8-HxCDD	1.75			J	13C-1,2,3,4,7,8-HxCDD	68.5	32 - 141	
1,2,3,6,7,8-HxCDD	12.4				13C-1,2,3,6,7,8-HxCDD	70.4	28 - 130	
1,2,3,7,8,9-HxCDD	4.78				13C-1,2,3,7,8,9-HxCDD	75.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	541				13C-1,2,3,4,6,7,8-HpCDD	70.6	23 - 140	
OCDD	4440				13C-OCDD	76.4	17 - 157	
2,3,7,8-TCDF	76.7				13C-2,3,7,8-TCDF	71.2	24 - 169	
1,2,3,7,8-PeCDF	125				13C-1,2,3,7,8-PeCDF	80.3	24 - 185	
2,3,4,7,8-PeCDF	71.6				13C-2,3,4,7,8-PeCDF	76.9	21 - 178	
1,2,3,4,7,8-HxCDF	181				13C-1,2,3,4,7,8-HxCDF	72.1	26 - 152	
1,2,3,6,7,8-HxCDF	42.9				13C-1,2,3,6,7,8-HxCDF	73.3	26 - 123	
2,3,4,6,7,8-HxCDF	12.2				13C-2,3,4,6,7,8-HxCDF	65.8	28 - 136	
1,2,3,7,8,9-HxCDF	18.1				13C-1,2,3,7,8,9-HxCDF	67.6	29 - 147	
1,2,3,4,6,7,8-HpCDF	73.9				13C-1,2,3,4,6,7,8-HpCDF	66.1	28 - 143	
1,2,3,4,7,8,9-HpCDF	12.9				13C-1,2,3,4,7,8,9-HpCDF	68.9	26 - 138	
OCDF	194				13C-OCDF	72.1	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	73.9	35 - 197	

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

TEQMinWHO2005Dioxin 70.1

TOTALS	
Total TCDD	9.64
Total PeCDD	13.8
Total HxCDD	158
Total HpCDD	1440
Total TCDF	265
Total PeCDF	416
Total HxCDF	343
Total HpCDF	256

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: PDI-147SC-A-12-13-200425 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000957-10 Date Received: 28-Apr-2020 9:04
Project: Gasco PDI	Sample Size: 17.0 g	QC Batch: B0E0022 Date Extracted: 04-May-2020 6:11
Date Collected: 25-Apr-2020 14:57	% Solids: 59.0	Date Analyzed : 21-May-20 18:28 Column: ZB-5MS 22-May-20 15:46 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	1.02				IS 13C-2,3,7,8-TCDD	91.1	25 - 164	
1,2,3,7,8-PeCDD	2.52				13C-1,2,3,7,8-PeCDD	92.7	25 - 181	
1,2,3,4,7,8-HxCDD	3.11				13C-1,2,3,4,7,8-HxCDD	87.7	32 - 141	
1,2,3,6,7,8-HxCDD	23.8				13C-1,2,3,6,7,8-HxCDD	86.8	28 - 130	
1,2,3,7,8,9-HxCDD	9.46				13C-1,2,3,7,8,9-HxCDD	85.8	32 - 141	
1,2,3,4,6,7,8-HpCDD	543				13C-1,2,3,4,6,7,8-HpCDD	89.5	23 - 140	
OCDD	4980				13C-OCDD	92.0	17 - 157	
2,3,7,8-TCDF	28.9				13C-2,3,7,8-TCDF	89.8	24 - 169	
1,2,3,7,8-PeCDF	31.0				13C-1,2,3,7,8-PeCDF	98.1	24 - 185	
2,3,4,7,8-PeCDF	15.2				13C-2,3,4,7,8-PeCDF	99.0	21 - 178	
1,2,3,4,7,8-HxCDF	59.9				13C-1,2,3,4,7,8-HxCDF	83.6	26 - 152	
1,2,3,6,7,8-HxCDF	16.2				13C-1,2,3,6,7,8-HxCDF	86.9	26 - 123	
2,3,4,6,7,8-HxCDF	6.45				13C-2,3,4,6,7,8-HxCDF	85.2	28 - 136	
1,2,3,7,8,9-HxCDF	5.35				13C-1,2,3,7,8,9-HxCDF	84.1	29 - 147	
1,2,3,4,6,7,8-HpCDF	85.5				13C-1,2,3,4,6,7,8-HpCDF	78.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	11.2				13C-1,2,3,4,7,8,9-HpCDF	87.7	26 - 138	
OCDF	191				13C-OCDF	85.2	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	91.4	35 - 197	

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

TEQMinWHO2005Dioxin 32.3

TOTALS		
Total TCDD	10.3	
Total PeCDD	19.8	22.6
Total HxCDD	206	
Total HpCDD	1240	
Total TCDF	115	
Total PeCDF	133	139
Total HxCDF	197	
Total HpCDF	277	

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: Duplicate					EPA Method 1613B			
Source Client ID: PDI-147SC-A-12-13-200425		QC Batch: B0E0022		Lab Sample: B0E0022-DUP1				
Source LabNumber: 2000957-10		Date Extracted: 04-May-2020 6:11		Date Analyzed: 21-May-20 19:15 Column: ZB-5MS				
Matrix: Solid				22-May-20 17:53 Column: ZB-5MS				
Sample Size: 17.0 g								
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	1.15				IS 13C-2,3,7,8-TCDD	86.9	25 - 164	
1,2,3,7,8-PeCDD	2.57				13C-1,2,3,7,8-PeCDD	90.0	25 - 181	
1,2,3,4,7,8-HxCDD	2.83				13C-1,2,3,4,7,8-HxCDD	84.4	32 - 141	
1,2,3,6,7,8-HxCDD	20.7				13C-1,2,3,6,7,8-HxCDD	85.8	28 - 130	
1,2,3,7,8,9-HxCDD	8.70				13C-1,2,3,7,8,9-HxCDD	84.5	32 - 141	
1,2,3,4,6,7,8-HpCDD	449				13C-1,2,3,4,6,7,8-HpCDD	85.1	23 - 140	
OCDD	3650				13C-OCDD	86.8	17 - 157	
2,3,7,8-TCDF	29.1				13C-2,3,7,8-TCDF	85.0	24 - 169	
1,2,3,7,8-PeCDF	41.3				13C-1,2,3,7,8-PeCDF	95.9	24 - 185	
2,3,4,7,8-PeCDF	16.4				13C-2,3,4,7,8-PeCDF	96.3	21 - 178	
1,2,3,4,7,8-HxCDF	109				13C-1,2,3,4,7,8-HxCDF	83.5	26 - 152	
1,2,3,6,7,8-HxCDF	30.6				13C-1,2,3,6,7,8-HxCDF	87.1	26 - 123	
2,3,4,6,7,8-HxCDF	7.65				13C-2,3,4,6,7,8-HxCDF	82.7	28 - 136	
1,2,3,7,8,9-HxCDF	7.26				13C-1,2,3,7,8,9-HxCDF	83.3	29 - 147	
1,2,3,4,6,7,8-HpCDF	93.6				13C-1,2,3,4,6,7,8-HpCDF	76.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	18.9				13C-1,2,3,4,7,8,9-HpCDF	85.2	26 - 138	
OCDF	200				13C-OCDF	83.4	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	90.0	35 - 197	
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)			
					TEQMinWHO2005Dioxin 38.2			
TOTALS								
Total TCDD	11.1							
Total PeCDD	20.7		23.6					
Total HxCDD	200							
Total HpCDD	1130							
Total TCDF	119		120					
Total PeCDF	149		155					
Total HxCDF	265							
Total HpCDF	289							

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.

weight.

The sample size is reported in wet

Sample ID: Duplicate					EPA Method 1613B				
Source Client ID: PDI-147SC-A-12-13-200425					Duplicate Lab Sample: B0E0022-DUP1				
Source LabNumber: 2000957-10									
Matrix: Solid									
Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limits	Labeled Standard	Dup %R	Source %R	LCL-UCL	
2,3,7,8-TCDD	1.15	1.02	11.8	25	IS 13C-2,3,7,8-TCDD	86.9	91.1	25 - 164	
1,2,3,7,8-PeCDD	2.57	2.52	1.83	25	13C-1,2,3,7,8-PeCDD	90.0	92.7	25 - 181	
1,2,3,4,7,8-HxCDD	2.83	3.11	9.29	25	13C-1,2,3,4,7,8-HxCDD	84.4	87.7	32 - 141	
1,2,3,6,7,8-HxCDD	20.7	23.8	14.0	25	13C-1,2,3,6,7,8-HxCDD	85.8	86.8	28 - 130	
1,2,3,7,8,9-HxCDD	8.70	9.46	8.26	25	13C-1,2,3,7,8,9-HxCDD	84.5	85.8	32 - 141	
1,2,3,4,6,7,8-HpCDD	449	543	19.0	25	13C-1,2,3,4,6,7,8-HpCDD	85.1	89.5	23 - 140	
OCDD	3650	4980	31.0	25	13C-OCDD	86.8	92.0	17 - 157	
2,3,7,8-TCDF	29.1	28.9	0.748	25	13C-2,3,7,8-TCDF	85.0	89.8	24 - 169	
1,2,3,7,8-PeCDF	41.3	31.0	28.3	25	13C-1,2,3,7,8-PeCDF	95.9	98.1	24 - 185	
2,3,4,7,8-PeCDF	16.4	15.2	7.63	25	13C-2,3,4,7,8-PeCDF	96.3	99.0	21 - 178	
1,2,3,4,7,8-HxCDF	109	59.9	58.5	25	13C-1,2,3,4,7,8-HxCDF	83.5	83.6	26 - 152	
1,2,3,6,7,8-HxCDF	30.6	16.2	61.3	25	13C-1,2,3,6,7,8-HxCDF	87.1	86.9	26 - 123	
2,3,4,6,7,8-HxCDF	7.65	6.45	17.0	25	13C-2,3,4,6,7,8-HxCDF	82.7	85.2	28 - 136	
1,2,3,7,8,9-HxCDF	7.26	5.35	30.3	25	13C-1,2,3,7,8,9-HxCDF	83.3	84.1	29 - 147	
1,2,3,4,6,7,8-HpCDF	93.6	85.5	8.95	25	13C-1,2,3,4,6,7,8-HpCDF	76.6	78.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	18.9	11.2	50.9	25	13C-1,2,3,4,7,8,9-HpCDF	85.2	87.7	26 - 138	
OCDF	200	191	4.56	25	13C-OCDF	83.4	85.2	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	90.0	91.4	35 - 197	

LCL-UCL - Lower control limit - upper control limit
The results are reported in dry weight.
The sample size is reported in wet weight. Results reported to the MDL

Sample ID: PDI-147SC-A-13-14-200425 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000957-11 Date Received: 28-Apr-2020 9:04
Project: Gasco PDI	Sample Size: 17.3 g	QC Batch: B0E0022 Date Extracted: 04-May-2020 6:11
Date Collected: 25-Apr-2020 14:57	% Solids: 57.9	Date Analyzed : 21-May-20 20:01 Column: ZB-5MS 29-May-20 22:07 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	1.17				IS 13C-2,3,7,8-TCDD	70.8	25 - 164	
1,2,3,7,8-PeCDD	3.33				13C-1,2,3,7,8-PeCDD	74.5	25 - 181	
1,2,3,4,7,8-HxCDD	12.4				13C-1,2,3,4,7,8-HxCDD	75.2	32 - 141	
1,2,3,6,7,8-HxCDD	50.4				13C-1,2,3,6,7,8-HxCDD	73.4	28 - 130	
1,2,3,7,8,9-HxCDD	24.3				13C-1,2,3,7,8,9-HxCDD	73.3	32 - 141	
1,2,3,4,6,7,8-HpCDD	1470				13C-1,2,3,4,6,7,8-HpCDD	78.7	23 - 140	
OCDD	7600			D	13C-OCDD	78.1	17 - 157	D
2,3,7,8-TCDF	49.1				13C-2,3,7,8-TCDF	69.2	24 - 169	
1,2,3,7,8-PeCDF	40.6				13C-1,2,3,7,8-PeCDF	77.0	24 - 185	
2,3,4,7,8-PeCDF	21.0				13C-2,3,4,7,8-PeCDF	76.9	21 - 178	
1,2,3,4,7,8-HxCDF	63.4				13C-1,2,3,4,7,8-HxCDF	69.2	26 - 152	
1,2,3,6,7,8-HxCDF	16.7				13C-1,2,3,6,7,8-HxCDF	69.9	26 - 123	
2,3,4,6,7,8-HxCDF	7.15				13C-2,3,4,6,7,8-HxCDF	66.8	28 - 136	
1,2,3,7,8,9-HxCDF	6.13				13C-1,2,3,7,8,9-HxCDF	71.2	29 - 147	
1,2,3,4,6,7,8-HpCDF	66.7				13C-1,2,3,4,6,7,8-HpCDF	64.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	10.8				13C-1,2,3,4,7,8,9-HpCDF	62.0	26 - 138	
OCDF	172				13C-OCDF	51.3	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	78.9	35 - 197	

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

TEQMinWHO2005Dioxin 52.8

TOTALS			
Total TCDD	13.8		
Total PeCDD	68.3	74.0	
Total HxCDD	1230		
Total HpCDD	3790		
Total TCDF	180		
Total PeCDF	136	177	
Total HxCDF	186		
Total HpCDF	223		

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: PDI-147SC-A-14-14.5-200425 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000957-12 Date Received: 28-Apr-2020 9:04
Project: Gasco PDI	Sample Size: 15.7 g	QC Batch: B0E0022 Date Extracted: 04-May-2020 6:11
Date Collected: 25-Apr-2020 14:57	% Solids: 63.8	Date Analyzed : 21-May-20 20:47 Column: ZB-5MS 22-May-20 16:49 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.106			IS 13C-2,3,7,8-TCDD	99.3	25 - 164	
1,2,3,7,8-PeCDD	0.125			J	13C-1,2,3,7,8-PeCDD	102	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.251			13C-1,2,3,4,7,8-HxCDD	97.2	32 - 141	
1,2,3,6,7,8-HxCDD	0.997			J	13C-1,2,3,6,7,8-HxCDD	95.0	28 - 130	
1,2,3,7,8,9-HxCDD	ND		0.363		13C-1,2,3,7,8,9-HxCDD	95.9	32 - 141	
1,2,3,4,6,7,8-HpCDD	50.6				13C-1,2,3,4,6,7,8-HpCDD	93.3	23 - 140	
OCDD	348				13C-OCDD	83.3	17 - 157	
2,3,7,8-TCDF	1.01				13C-2,3,7,8-TCDF	98.9	24 - 169	
1,2,3,7,8-PeCDF	0.649			J	13C-1,2,3,7,8-PeCDF	107	24 - 185	
2,3,4,7,8-PeCDF	0.496			J	13C-2,3,4,7,8-PeCDF	106	21 - 178	
1,2,3,4,7,8-HxCDF	0.887			J	13C-1,2,3,4,7,8-HxCDF	92.6	26 - 152	
1,2,3,6,7,8-HxCDF	0.359			J	13C-1,2,3,6,7,8-HxCDF	94.0	26 - 123	
2,3,4,6,7,8-HxCDF	0.201			J	13C-2,3,4,6,7,8-HxCDF	90.2	28 - 136	
1,2,3,7,8,9-HxCDF	0.188			J	13C-1,2,3,7,8,9-HxCDF	91.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	2.16			J	13C-1,2,3,4,6,7,8-HpCDF	89.5	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND		0.264		13C-1,2,3,4,7,8,9-HpCDF	94.1	26 - 138	
OCDF	4.75			J	13C-OCDF	89.6	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	107	35 - 197	

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

TEQMinWHO2005Dioxin 1.29

TOTALS								
Total TCDD	ND	0.106						
Total PeCDD	0.877		0.970					
Total HxCDD	15.1		15.5					
Total HpCDD	121							
Total TCDF	4.90		5.11					
Total PeCDF	3.96		4.45					
Total HxCDF	5.79							
Total HpCDF	7.51		7.78					

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: PDI-149SC-A-00-01-200425 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000957-13 Date Received: 28-Apr-2020 9:04
Project: Gasco PDI	Sample Size: 12.4 g	QC Batch: B0E0022 Date Extracted: 04-May-2020 6:11
Date Collected: 25-Apr-2020 13:06	% Solids: 80.7	Date Analyzed : 21-May-20 21:33 Column: ZB-5MS 22-May-20 17:21 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.111		IS 13C-2,3,7,8-TCDD	93.5	25 - 164	
1,2,3,7,8-PeCDD	ND	0.178			13C-1,2,3,7,8-PeCDD	95.5	25 - 181	
1,2,3,4,7,8-HxCDD	ND		0.287		13C-1,2,3,4,7,8-HxCDD	87.7	32 - 141	
1,2,3,6,7,8-HxCDD	1.46			J	13C-1,2,3,6,7,8-HxCDD	84.6	28 - 130	
1,2,3,7,8,9-HxCDD	ND		0.672		13C-1,2,3,7,8,9-HxCDD	83.4	32 - 141	
1,2,3,4,6,7,8-HpCDD	77.5				13C-1,2,3,4,6,7,8-HpCDD	72.4	23 - 140	
OCDD	606				13C-OCDD	48.3	17 - 157	
2,3,7,8-TCDF	1.46				13C-2,3,7,8-TCDF	93.1	24 - 169	
1,2,3,7,8-PeCDF	2.24			J	13C-1,2,3,7,8-PeCDF	101	24 - 185	
2,3,4,7,8-PeCDF	1.02			J	13C-2,3,4,7,8-PeCDF	98.9	21 - 178	
1,2,3,4,7,8-HxCDF	2.48			J	13C-1,2,3,4,7,8-HxCDF	84.4	26 - 152	
1,2,3,6,7,8-HxCDF	0.764			J	13C-1,2,3,6,7,8-HxCDF	86.5	26 - 123	
2,3,4,6,7,8-HxCDF	ND		0.310		13C-2,3,4,6,7,8-HxCDF	77.6	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.152		13C-1,2,3,7,8,9-HxCDF	80.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	5.40				13C-1,2,3,4,6,7,8-HpCDF	72.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	0.565			J	13C-1,2,3,4,7,8,9-HpCDF	76.6	26 - 138	
OCDF	22.5				13C-OCDF	56.7	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	101	35 - 197	

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

TEQMinWHO2005Dioxin 2.01

TOTALS		
Total TCDD	0.915	1.03
Total PeCDD	0.833	1.26
Total HxCDD	19.6	20.6
Total HpCDD	209	
Total TCDF	5.24	5.66
Total PeCDF	8.01	8.20
Total HxCDF	8.36	9.03
Total HpCDF	23.1	

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: PDI-149SC-A-04-05-200425 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000957-14 Date Received: 28-Apr-2020 9:04
Project: Gasco PDI	Sample Size: 12.1 g	QC Batch: B0E0022 Date Extracted: 04-May-2020 6:11
Date Collected: 25-Apr-2020 13:06	% Solids: 82.7	Date Analyzed: 21-May-20 22:19 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.114		IS 13C-2,3,7,8-TCDD	111	25 - 164	
1,2,3,7,8-PeCDD	ND	0.129			13C-1,2,3,7,8-PeCDD	114	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.175			13C-1,2,3,4,7,8-HxCDD	110	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.178			13C-1,2,3,6,7,8-HxCDD	108	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.201			13C-1,2,3,7,8,9-HxCDD	111	32 - 141	
1,2,3,4,6,7,8-HpCDD	2.13			J	13C-1,2,3,4,6,7,8-HpCDD	104	23 - 140	
OCDD	25.2				13C-OCDD	92.6	17 - 157	
2,3,7,8-TCDF	ND	0.0423			13C-2,3,7,8-TCDF	108	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0648			13C-1,2,3,7,8-PeCDF	118	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0575			13C-2,3,4,7,8-PeCDF	117	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0686			13C-1,2,3,4,7,8-HxCDF	105	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0614			13C-1,2,3,6,7,8-HxCDF	110	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0711			13C-2,3,4,6,7,8-HxCDF	104	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.108			13C-1,2,3,7,8,9-HxCDF	107	29 - 147	
1,2,3,4,6,7,8-HpCDF	0.185			J	13C-1,2,3,4,6,7,8-HpCDF	99.7	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.123			13C-1,2,3,4,7,8,9-HpCDF	106	26 - 138	
OCDF	ND		0.302		13C-OCDF	96.4	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	121	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.0307

TOTALS			
Total TCDD	0.811		0.925
Total PeCDD	ND		0.222
Total HxCDD	1.93		
Total HpCDD	6.05		
Total TCDF	ND		0.133
Total PeCDF	0.285		
Total HxCDF	0.258		
Total HpCDF	0.185		0.353

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: PDI-149SC-A-05-06-200425 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000957-15 Date Received: 28-Apr-2020 9:04
Project: Gasco PDI	Sample Size: 11.2 g	QC Batch: B0E0022 Date Extracted: 04-May-2020 6:11
Date Collected: 25-Apr-2020 13:06	% Solids: 89.6	Date Analyzed: 29-May-20 17:30 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0471			IS 13C-2,3,7,8-TCDD	92.2	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0543			13C-1,2,3,7,8-PeCDD	98.1	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0963			13C-1,2,3,4,7,8-HxCDD	90.6	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0992			13C-1,2,3,6,7,8-HxCDD	85.5	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.111			13C-1,2,3,7,8,9-HxCDD	84.9	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.772			J	13C-1,2,3,4,6,7,8-HpCDD	82.1	23 - 140	
OCDD	4.98				13C-OCDD	69.6	17 - 157	
2,3,7,8-TCDF	ND	0.0261			13C-2,3,7,8-TCDF	91.3	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0279			13C-1,2,3,7,8-PeCDF	101	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0264			13C-2,3,4,7,8-PeCDF	102	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0565			13C-1,2,3,4,7,8-HxCDF	87.6	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0501			13C-1,2,3,6,7,8-HxCDF	88.9	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0553			13C-2,3,4,6,7,8-HxCDF	88.7	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0808			13C-1,2,3,7,8,9-HxCDF	87.2	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0509			13C-1,2,3,4,6,7,8-HpCDF	85.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0548			13C-1,2,3,4,7,8,9-HpCDF	85.2	26 - 138	
OCDF	ND		0.147		13C-OCDF	76.1	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	111	35 - 197	

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

TEQMinWHO2005Dioxin 0.00921

TOTALS		
Total TCDD	0.136	
Total PeCDD	0.0752	
Total HxCDD	0.727	
Total HpCDD	1.76	
Total TCDF	ND	0.0261
Total PeCDF	0.0428	
Total HxCDF	ND	0.0808
Total HpCDF	ND	0.0548

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: PDI-149SC-A-06-07-200425 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000957-16 Date Received: 28-Apr-2020 9:04
Project: Gasco PDI	Sample Size: 11.6 g	QC Batch: B0E0022 Date Extracted: 04-May-2020 6:11
Date Collected: 25-Apr-2020 13:06	% Solids: 86.7	Date Analyzed: 29-May-20 18:16 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0431			IS 13C-2,3,7,8-TCDD	99.7	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0459			13C-1,2,3,7,8-PeCDD	103	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0674			13C-1,2,3,4,7,8-HxCDD	93.4	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0666			13C-1,2,3,6,7,8-HxCDD	89.1	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.0782			13C-1,2,3,7,8,9-HxCDD	91.1	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.534			J	13C-1,2,3,4,6,7,8-HpCDD	90.1	23 - 140	
OCDD	4.80			J	13C-OCDD	79.3	17 - 157	
2,3,7,8-TCDF	ND	0.0240			13C-2,3,7,8-TCDF	95.5	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0274			13C-1,2,3,7,8-PeCDF	104	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0251			13C-2,3,4,7,8-PeCDF	105	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0321			13C-1,2,3,4,7,8-HxCDF	92.5	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0291			13C-1,2,3,6,7,8-HxCDF	90.3	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0315			13C-2,3,4,6,7,8-HxCDF	93.6	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.0456		13C-1,2,3,7,8,9-HxCDF	92.9	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0424			13C-1,2,3,4,6,7,8-HpCDF	90.2	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0446			13C-1,2,3,4,7,8,9-HpCDF	89.1	26 - 138	
OCDF	ND	0.0737			13C-OCDF	79.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	116	35 - 197	

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

TEQMinWHO2005Dioxin 0.00678

TOTALS								
Total TCDD	0.117							
Total PeCDD	ND	0.0459						
Total HxCDD	0.551							
Total HpCDD	1.51							
Total TCDF	ND	0.0240						
Total PeCDF	ND	0.0274						
Total HxCDF	ND		0.0569					
Total HpCDF	ND	0.0446						

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: PDI-149SC-A-07-08-200425 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000957-17 Date Received: 28-Apr-2020 9:04
Project: Gasco PDI	Sample Size: 12.1 g	QC Batch: B0E0022 Date Extracted: 04-May-2020 6:11
Date Collected: 25-Apr-2020 13:06	% Solids: 82.9	Date Analyzed : 29-May-20 19:02 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0430			IS 13C-2,3,7,8-TCDD	101	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0394			13C-1,2,3,7,8-PeCDD	104	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0536			13C-1,2,3,4,7,8-HxCDD	97.8	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0537			13C-1,2,3,6,7,8-HxCDD	94.8	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.0651			13C-1,2,3,7,8,9-HxCDD	94.4	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.355			J	13C-1,2,3,4,6,7,8-HpCDD	92.9	23 - 140	
OCDD	2.08			J	13C-OCDD	81.5	17 - 157	
2,3,7,8-TCDF	ND	0.0236			13C-2,3,7,8-TCDF	99.3	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0262			13C-1,2,3,7,8-PeCDF	105	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0235			13C-2,3,4,7,8-PeCDF	109	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0335			13C-1,2,3,4,7,8-HxCDF	96.1	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0306			13C-1,2,3,6,7,8-HxCDF	96.1	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0333			13C-2,3,4,6,7,8-HxCDF	96.3	28 - 136	
1,2,3,7,8,9-HxCDF	0.0595			J	13C-1,2,3,7,8,9-HxCDF	94.0	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0412			13C-1,2,3,4,6,7,8-HpCDF	92.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0442			13C-1,2,3,4,7,8,9-HpCDF	94.9	26 - 138	
OCDF	ND	0.0541			13C-OCDF	83.6	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	112	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.0101

TOTALS			
Total TCDD	ND	0.0430	
Total PeCDD	ND		0.0442
Total HxCDD	0.240		
Total HpCDD	0.905		
Total TCDF	ND	0.0236	
Total PeCDF	ND	0.0262	
Total HxCDF	0.0595		
Total HpCDF	ND	0.0442	

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: PDI-149SC-A-08-09-200425 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000957-18 Date Received: 28-Apr-2020 9:04
Project: Gasco PDI	Sample Size: 10.9 g	QC Batch: B0E0022 Date Extracted: 04-May-2020 6:11
Date Collected: 25-Apr-2020 13:06	% Solids: 92.6	Date Analyzed: 29-May-20 19:48 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0416			IS 13C-2,3,7,8-TCDD	96.4	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0535			13C-1,2,3,7,8-PeCDD	99.0	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0509			13C-1,2,3,4,7,8-HxCDD	93.7	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0504			13C-1,2,3,6,7,8-HxCDD	92.9	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.0565			13C-1,2,3,7,8,9-HxCDD	96.6	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.259			J	13C-1,2,3,4,6,7,8-HpCDD	88.2	23 - 140	
OCDD	1.50			J	13C-OCDD	79.4	17 - 157	
2,3,7,8-TCDF	ND	0.0225			13C-2,3,7,8-TCDF	94.5	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0208			13C-1,2,3,7,8-PeCDF	103	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0193			13C-2,3,4,7,8-PeCDF	103	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0328			13C-1,2,3,4,7,8-HxCDF	91.3	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0308			13C-1,2,3,6,7,8-HxCDF	92.1	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0328			13C-2,3,4,6,7,8-HxCDF	93.0	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.0596		13C-1,2,3,7,8,9-HxCDF	93.9	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0414			13C-1,2,3,4,6,7,8-HpCDF	91.4	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0455			13C-1,2,3,4,7,8,9-HpCDF	89.0	26 - 138	
OCDF	ND	0.0558			13C-OCDF	85.7	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	113	35 - 197	

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

TEQMinWHO2005Dioxin 0.00304

TOTALS				
Total TCDD	0.0899			
Total PeCDD	0.0434			
Total HxCDD	0.249			
Total HpCDD	0.705			
Total TCDF	ND	0.0225		
Total PeCDF	ND	0.0208		
Total HxCDF	ND		0.0596	
Total HpCDF	ND	0.0455		

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: PDI-149SC-A-09-10-200425 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000957-19 Date Received: 28-Apr-2020 9:04
Project: Gasco PDI	Sample Size: 11.5 g	QC Batch: B0E0022 Date Extracted: 04-May-2020 6:11
Date Collected: 25-Apr-2020 13:06	% Solids: 87.3	Date Analyzed: 29-May-20 20:35 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0556			IS 13C-2,3,7,8-TCDD	67.3	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0650			13C-1,2,3,7,8-PeCDD	69.4	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.115			13C-1,2,3,4,7,8-HxCDD	67.2	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.122			13C-1,2,3,6,7,8-HxCDD	62.5	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.147			13C-1,2,3,7,8,9-HxCDD	62.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.745			J	13C-1,2,3,4,6,7,8-HpCDD	62.4	23 - 140	
OCDD	6.67				13C-OCDD	57.0	17 - 157	
2,3,7,8-TCDF	ND	0.0238			13C-2,3,7,8-TCDF	66.3	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0324			13C-1,2,3,7,8-PeCDF	69.3	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0306			13C-2,3,4,7,8-PeCDF	72.7	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0380			13C-1,2,3,4,7,8-HxCDF	61.4	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0339			13C-1,2,3,6,7,8-HxCDF	62.4	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0367			13C-2,3,4,6,7,8-HxCDF	63.0	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0502			13C-1,2,3,7,8,9-HxCDF	67.6	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0453			13C-1,2,3,4,6,7,8-HpCDF	57.2	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0445			13C-1,2,3,4,7,8,9-HpCDF	65.2	26 - 138	
OCDF	ND	0.0602			13C-OCDF	57.7	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	108	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.00945

TOTALS			
Total TCDD	ND		0.306
Total PeCDD	ND		0.123
Total HxCDD	0.662		
Total HpCDD	2.23		
Total TCDF	ND	0.0238	
Total PeCDF	ND	0.0324	
Total HxCDF	ND	0.0502	
Total HpCDF	ND	0.0453	

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: PDI-149SC-A-10-11-200425 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000957-20 Date Received: 28-Apr-2020 9:04
Project: Gasco PDI	Sample Size: 13.2 g	QC Batch: B0E0022 Date Extracted: 04-May-2020 6:11
Date Collected: 25-Apr-2020 13:06	% Solids: 75.8	Date Analyzed: 29-May-20 21:21 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0401			IS 13C-2,3,7,8-TCDD	96.0	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0469			13C-1,2,3,7,8-PeCDD	101	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0550			13C-1,2,3,4,7,8-HxCDD	92.8	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0556			13C-1,2,3,6,7,8-HxCDD	88.9	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.0658			13C-1,2,3,7,8,9-HxCDD	88.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.790			J	13C-1,2,3,4,6,7,8-HpCDD	90.6	23 - 140	
OCDD	9.33				13C-OCDD	80.8	17 - 157	
2,3,7,8-TCDF	ND	0.0225			13C-2,3,7,8-TCDF	93.2	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0236			13C-1,2,3,7,8-PeCDF	101	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0212			13C-2,3,4,7,8-PeCDF	104	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0284			13C-1,2,3,4,7,8-HxCDF	90.3	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0248			13C-1,2,3,6,7,8-HxCDF	91.1	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0273			13C-2,3,4,6,7,8-HxCDF	91.4	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.0420		13C-1,2,3,7,8,9-HxCDF	90.5	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0395			13C-1,2,3,4,6,7,8-HpCDF	88.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0417			13C-1,2,3,4,7,8,9-HpCDF	89.6	26 - 138	
OCDF	ND	0.0625			13C-OCDF	80.8	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	114	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.0107

TOTALS				
Total TCDD	0.143			
Total PeCDD	0.104			
Total HxCDD	0.947			
Total HpCDD	2.31			
Total TCDF	ND	0.0225		
Total PeCDF	ND	0.0236		
Total HxCDF	ND		0.0495	
Total HpCDF	ND	0.0417		

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.

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)
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
TEQ	Toxic Equivalency
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	19-013-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-23
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2018017
Massachusetts Department of Environmental Protection	N/A
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1521520
New Hampshire Environmental Accreditation Program	207718-B
New Jersey Department of Environmental Protection	190001
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-010
Pennsylvania Department of Environmental Protection	016
Texas Commission on Environmental Quality	T104704189-19-10
Vermont Department of Health	VT-4042
Virginia Department of General Services	10272
Washington Department of Ecology	C584-19
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
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	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
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613/1613B
1,4-Dioxane (1,4-Diethyleneoxide) analysis by GC/HRMS	EPA 522
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	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

COC ID:

VISTA-20200425-162849

POC: # Delaney Peterson (360-715-2707)

Project: Gasco PDI

Sample Custodian:

SN

1605 Cornwall Avenue, Bellingham, WA 98225

Client: NW Natural

2000957 3.4°C, 4.5°C Lab

VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	PDI-1147SC-A-13-14-200425	FD	SE	04/25/2020		1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	7 7	4°C 4°C
* 002	PDI-147SC-A-00-01-200425	N	SE	04/25/2020	14:57	1	<input type="checkbox"/>	Dioxin/Furans PCB Congeners * Total solids (VISTA)	E1613B E1668A SM2540G	7 7 7	4°C 4°C 4°C
003	PDI-147SC-A-05-06-200425	N	SE	04/25/2020	14:57	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	7 7	4°C 4°C
004	PDI-147SC-A-06-07-200425	N	SE	04/25/2020	14:57	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	7 7	4°C 4°C
005	PDI-147SC-A-07-08-200425	N	SE	04/25/2020	14:57	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	7 7	4°C 4°C
006	PDI-147SC-A-08-09-200425	N	SE	04/25/2020	14:57	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	7 7	4°C 4°C
007	PDI-147SC-A-09-10-200425	N	SE	04/25/2020	14:57	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	7 7	4°C 4°C

Comment: * WO # 2000957

Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
Print Name: Seshu Narasimhan	Print Name: William R Wright	Print Name:	Print Name:	Print Name:	Print Name:
Company: Anchor QEA	Company: VAI	Company:	Company:	Company:	Company:
Date/Time: 4/27/20 12:30	Date/Time: 4-28-20 09:04	Date/Time:	Date/Time:	Date/Time:	Date/Time:

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: VISTA-20200425-162849
Sample Custodian: SN
Lab: VISTA

POC: * Delaney Peterson (360-715-2707)
 1605 Cornwall Avenue, Bellingham, WA 98225
Project: Gasco PDI
Client: NW Natural

2000957

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
008	PDI-147SC-A-10-11-200425	N	SE	04/25/2020	14:57	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	7 7	4°C 4°C
009	PDI-147SC-A-11-12-200425	N	SE	04/25/2020	14:57	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	7 7	4°C 4°C
010	PDI-147SC-A-12-13-200425	N	SE	04/25/2020	14:57	2	<input checked="" type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	7 7	4°C 4°C
011	PDI-147SC-A-13-14-200425	N	SE	04/25/2020	14:57	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	7 7	4°C 4°C
012	PDI-147SC-A-14-14.5-200425	N	SE	04/25/2020	14:57	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	7 7	4°C 4°C
* 013	PDI-149SC-A-00-01-200425	N	SE	04/25/2020	13:06	1	<input type="checkbox"/>	Dioxin/Furans PCB Congeners * Total solids (VISTA)	E1613B E1668A SM2540G	7 7 7	4°C 4°C 4°C
014	PDI-149SC-A-04-05-200425	N	SE	04/25/2020	13:06	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	7 7	4°C 4°C

Comment: * WO# 2000962

Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
Print Name: <i>[Name]</i>	Print Name: <i>[Name]</i>	Print Name: <i>[Name]</i>	Print Name: <i>[Name]</i>	Print Name: <i>[Name]</i>	Print Name: <i>[Name]</i>
Company: <i>[Company]</i>	Company: <i>[Company]</i>	Company: <i>[Company]</i>	Company: <i>[Company]</i>	Company: <i>[Company]</i>	Company: <i>[Company]</i>
Date/Time: <i>[Date/Time]</i>	Date/Time: <i>[Date/Time]</i>	Date/Time: <i>[Date/Time]</i>	Date/Time: <i>[Date/Time]</i>	Date/Time: <i>[Date/Time]</i>	Date/Time: <i>[Date/Time]</i>

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

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

Project: Gasco PDI
Client: NW Natural

2000957

COC ID: VISTA-20200425-162849
Sample Custodian: SN
Lab: VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
015	PDI-149SC-A-05-06-200425	N	SE	04/25/2020	13:06	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	7 7	4°C 4°C
016	PDI-149SC-A-06-07-200425	N	SE	04/25/2020	13:06	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	7 7	4°C 4°C
017	PDI-149SC-A-07-08-200425	N	SE	04/25/2020	13:06	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	7 7	4°C 4°C
018	PDI-149SC-A-08-09-200425	N	SE	04/25/2020	13:06	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	7 7	4°C 4°C
019	PDI-149SC-A-09-10-200425	N	SE	04/25/2020	13:06	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	7 7	4°C 4°C
020	PDI-149SC-A-10-11-200425	N	SE	04/25/2020	13:06	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	7 7	4°C 4°C
* 021	PDI-150SC-A-00-01-200425	N	SE	04/25/2020	11:01	1	<input type="checkbox"/>	Dioxin/Furans ** PCB Congeners (*) Total solids (VISTA)	E1613B E1668A SM2540G	7 7 7	4°C 4°C 4°C

Comment: (* WO # 2000968
** WO # 2000965

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: [Signature]	Signature: [Signature]	Signature:	Signature:	Signature:	Signature:
Print Name: [Name]	Print Name: [Name]	Print Name:	Print Name:	Print Name:	Print Name:
Company: [Company]	Company: [Company]	Company:	Company:	Company:	Company:
Date/Time: [Date/Time]	Date/Time: [Date/Time]	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Page # 1 of 1

 Vista Work Order #: 2000957

 TAT rush

Samples Arrival:	Date/Time 4/20/20 09:04	Initials: WLU	Location: WR-2
			Shelf/Rack: N/A
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"/> Dry Ice
	<input type="checkbox"/> None		
Temp °C: 3.4 (uncorrected)	Probe used: Y / (N)		Thermometer ID: IR-3
Temp °C: 3.4 (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>3 of 2</u> <u>1 of 3</u> Trk # <u>7703 3190 0431</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 04/28/20 1555	Initials: WWS	Location: WR-2
			Shelf/Rack: G-5
COC Anomaly/Sample Acceptance Form completed?			<input type="checkbox"/>
			<input checked="" type="checkbox"/>
			<input checked="" type="checkbox"/>

Comments:

Sample Log-In Checklist

 Page # 1 of 1

 Vista Work Order #: 2000957 TAT rush

Samples Arrival:	Date/Time: 4/28/20 09:04	Initials: WWS	Location: WR-2
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac
Preservation:	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Dry Ice
Temp °C: 4.3 (uncorrected)	Probe used: Y / <input checked="" type="checkbox"/> N		Thermometer ID: IR3
Temp °C: 4.3 (corrected)			
			Shelf/Rack: NA
			Hand Delivered: <input type="checkbox"/>
			Other: <input type="checkbox"/>

	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>3 of 3</u> Trk # <u>7703 3190 1482</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 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: 04/28/20 1555	Initials: WWS	Location: WR-2
			Shelf/Rack: G-5
COC Anomaly/Sample Acceptance Form completed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Comments:

CoC/Label Reconciliation Report WO# 2000957

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2000957-01	A PDI-1147SC-A-13-14-200425	<input checked="" type="checkbox"/>	25-Apr-20 14:57	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000957-02	A PDI-147SC-A-00-01-200425	<input checked="" type="checkbox"/>	25-Apr-20 14:57	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000957-03	A PDI-147SC-A-05-06-200425	<input checked="" type="checkbox"/>	25-Apr-20 14:57	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000957-04	A PDI-147SC-A-06-07-200425	<input checked="" type="checkbox"/>	25-Apr-20 14:57	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000957-05	A PDI-147SC-A-07-08-200425	<input checked="" type="checkbox"/>	25-Apr-20 14:57	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000957-06	A PDI-147SC-A-08-09-200425	<input checked="" type="checkbox"/>	25-Apr-20 14:57	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000957-07	A PDI-147SC-A-09-10-200425	<input checked="" type="checkbox"/>	25-Apr-20 14:57	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000957-08	A PDI-147SC-A-10-11-200425	<input checked="" type="checkbox"/>	25-Apr-20 14:57	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000957-09	A PDI-147SC-A-11-12-200425	<input checked="" type="checkbox"/>	25-Apr-20 14:57	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000957-10	A PDI-147SC-A-12-13-200425	<input checked="" type="checkbox"/>	25-Apr-20 14:57	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid DUP
2000957-10	B PDI-147SC-A-12-13-200425	<input checked="" type="checkbox"/>	25-Apr-20 14:57	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid DUP
2000957-11	A PDI-147SC-A-13-14-200425	<input checked="" type="checkbox"/>	25-Apr-20 14:57	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000957-12	A PDI-147SC-A-14-14.5-200425	<input checked="" type="checkbox"/>	25-Apr-20 14:57	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000957-13	A PDI-149SC-A-00-01-200425	<input checked="" type="checkbox"/>	25-Apr-20 13:06	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000957-14	A PDI-149SC-A-04-05-200425	<input checked="" type="checkbox"/>	25-Apr-20 13:06	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000957-15	A PDI-149SC-A-05-06-200425	<input checked="" type="checkbox"/>	25-Apr-20 13:06	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000957-16	A PDI-149SC-A-06-07-200425	<input checked="" type="checkbox"/>	25-Apr-20 13:06	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000957-17	A PDI-149SC-A-07-08-200425	<input checked="" type="checkbox"/>	25-Apr-20 13:06	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000957-18	A PDI-149SC-A-08-09-200425	<input checked="" type="checkbox"/>	25-Apr-20 13:06	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000957-19	A PDI-149SC-A-09-10-200425	<input checked="" type="checkbox"/>	25-Apr-20 13:06	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000957-20	A PDI-149SC-A-10-11-200425	<input checked="" type="checkbox"/>	25-Apr-20 13:06	<input checked="" 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	Comments:
Sample Container Intact?	✓			
Sample Custody Seals Intact?			✓	
Adequate Sample Volume?	✓			
Container Type Appropriate for Analysis(es)	✓			
Preservation Documented: Na2S2O3 Trizma <u>None</u> Other			✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓	

Verified by/Date: KA 04/29/2020

EXTRACTION INFORMATION

RUSH!

Process Sheet
Workorder: **2000957**

Prep Expiration: 2021-04-25
Client: Anchor QEA, LLC

Workorder Due: 05-May-20 00:00

TAT: 7

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

Prep Batch: BOE0022

Prep Data Entered: W OS107120
Date and Initials

Initial Sequence: SOE0055

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2000957-01	<input type="checkbox"/>	PDI-1147SC-A-13-14-200425	28-Apr-20 09:04	WR-2 G-5	"PDI-1147SC -A- 13-14 -200425"
2000957-02	<input checked="" type="checkbox"/>	PDI-147SC-A-00-01-200425	28-Apr-20 09:04	WR-2 G-5	
2000957-03	<input checked="" type="checkbox"/>	PDI-147SC-A-05-06-200425	28-Apr-20 09:04	WR-2 G-5	
2000957-04	<input checked="" type="checkbox"/>	PDI-147SC-A-06-07-200425	28-Apr-20 09:04	WR-2 G-5	
2000957-05	<input checked="" type="checkbox"/>	PDI-147SC-A-07-08-200425	28-Apr-20 09:04	WR-2 G-5	
2000957-06	<input checked="" type="checkbox"/>	PDI-147SC-A-08-09-200425	28-Apr-20 09:04	WR-2 G-5	
2000957-07	<input checked="" type="checkbox"/>	PDI-147SC-A-09-10-200425	28-Apr-20 09:04	WR-2 G-5	
2000957-08	<input checked="" type="checkbox"/>	PDI-147SC-A-10-11-200425	28-Apr-20 09:04	WR-2 G-5	
2000957-09	<input checked="" type="checkbox"/>	PDI-147SC-A-11-12-200425	28-Apr-20 09:04	WR-2 G-5	
2000957-10	<input checked="" type="checkbox"/>	PDI-147SC-A-12-13-200425	28-Apr-20 09:04	WR-2 G-5	DUP
2000957-11	<input checked="" type="checkbox"/>	PDI-147SC-A-13-14-200425	28-Apr-20 09:04	WR-2 G-5	
2000957-12	<input checked="" type="checkbox"/>	PDI-147SC-A-14-14.5-200425	28-Apr-20 09:04	WR-2 G-5	
2000957-13	<input checked="" type="checkbox"/>	PDI-149SC-A-00-01-200425	28-Apr-20 09:04	WR-2 G-5	
2000957-14	<input checked="" type="checkbox"/>	PDI-149SC-A-04-05-200425	28-Apr-20 09:04	WR-2 G-5	
2000957-15	<input checked="" type="checkbox"/>	PDI-149SC-A-05-06-200425	28-Apr-20 09:04	WR-2 G-5	
2000957-16	<input checked="" type="checkbox"/>	PDI-149SC-A-06-07-200425	28-Apr-20 09:04	WR-2 G-5	
2000957-17	<input checked="" type="checkbox"/>	PDI-149SC-A-07-08-200425	28-Apr-20 09:04	WR-2 G-5	
2000957-18	<input checked="" type="checkbox"/>	PDI-149SC-A-08-09-200425	28-Apr-20 09:04	WR-2 G-5	
2000957-19	<input checked="" type="checkbox"/>	PDI-149SC-A-09-10-200425	28-Apr-20 09:04	WR-2 G-5	
2000957-20	<input checked="" type="checkbox"/>	PDI-149SC-A-10-11-200425	28-Apr-20 09:04	WR-2 G-5	

WO Comments: **Dioxin - 10g (dry weight)**
One dup required per batch of 20 samples

W OS10 05/04/20

Pre-Prep Check Out: CHT 04/30/20
Pre-Prep Check In: CHT 04/30/20

Prep Check Out: EMM 05/04/20
Prep Check In: EMM 05/04/20

Prep Reconciled Initials/Date: CHT 04/30/20
Spike Reconciled Initials/Date: EMM-04 *
VialBoxID: ~~05107190~~ ~~05107190~~ ~~Reisa DUBH~~

* 05/04/20 EMM 05/14/20
DAILY FRES ~~05/27/2020~~

PREPARATION BENCH SHEET

Matrix: Solid

BOE0022

Chemist: EM

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 04-May-20 06:11

C	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisol CHEM/ DATE	RS CHEM/WIT DATE
<input type="checkbox"/>	BOE0022-BLK1	N/A	(10.00)	EM 05/04/20	AZ 05/05/20	AB 05/05/20	AD 05/06/20	AD 05/06/20	N 05/07/20	N 05/07/20
<input type="checkbox"/>	BOE0022-BS1	N/A	(10.00)	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	BOE0022-DUP1 2000957-10 (A)	16.95	16.97	↓	↓	↓	yellow	↓	↓	↓
<input type="checkbox"/>	2000957-01	17.29	17.36	↓	↓	NA	↓	↓	↓	↓
<input type="checkbox"/>	2000957-02	15.03	15.08	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	2000957-03 (A)	14.46	14.49	↓	↓	AZ 05/05/20	↓	↓	↓	↓
<input type="checkbox"/>	2000957-04	14.65	14.69	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	2000957-05	16.42	16.47	↓	↓	NA	↓	↓	↓	↓
<input type="checkbox"/>	2000957-06	16.23	16.24	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	2000957-07	15.73	15.75	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	2000957-08 (A)	16.12	16.14	↓	↓	AZ 05/05/20	↓	↓	↓	↓
<input type="checkbox"/>	2000957-09	16.40	16.41	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	2000957-10	16.95	16.97	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	2000957-11	17.28	17.29	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	2000957-12	15.67	15.70	↓	↓	NA	↓	↓	↓	↓

IS Name <u>V3</u>	NS Name <u>V2</u>	CRS Name <u>V2</u>	RS Name <u>V1</u>	Cycle Time	APP: SEFUN SOX <u>SDS</u>	Check Out: <u>EM 05/04/20</u>
PCDD/F <u>19L2304, 10uL</u>	PCDD/F <u>18F1913, 10uL</u>	PCDD/F <u>19L1602, 10uL</u>	PCDD/F <u>19L1603, 10uL</u>	Start Date/Time <u>05/04/20 1237</u>	SOLV: <u>TOL</u>	Check In: <u>EM 05/04/20</u>
PCB _____	PCB _____	PCB _____	PCB _____	Stop Date/Time <u>05/05/20 530</u>	Other <u>N/A</u>	Balance ID: <u>HRMS-08</u>
PAH _____	PAH _____	PAH _____	PAH _____	Final Volume(s) <u>20 uL</u>	<u>C14</u>	

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

(A) RB rinsed w/ DCM to remove part 05/05/20 AZ

PREPARATION BENCH SHEET

Matrix: Solid

B0E0022

Chemist: EMM

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 04-May-20 06:11

C	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
<input type="checkbox"/>	2000957-13	12.39	12.40	AO <u>EMM 05/04/20</u>	AO <u>NR 05/05/20</u>	NA	AO <u>05/06/20</u>	AO <u>05/06/20</u>	<u>NR 05/07/20</u>	<u>NR 05/07/20</u>
<input type="checkbox"/>	2000957-14	12.09	12.10	T	T	T	T	T	T	T
<input type="checkbox"/>	2000957-15	67.00	11.21	T	T	T	T	T	T	T
<input type="checkbox"/>	2000957-16	11.53	11.59	T	T	T	T	T	T	T
<input type="checkbox"/>	2000957-17	12.07	12.10	T	T	T	T	T	T	T
<input type="checkbox"/>	2000957-18	10.80	10.86	T	T	T	T	T	T	T
<input type="checkbox"/>	2000957-19	11.45	11.50	T	T	T	T	T	T	T
<input type="checkbox"/>	2000957-20	13.19	13.24	T	T	T	T	T	T	T

* 11.17 EMM 05/04/20

IS Name <u>13</u>	NS Name <u>12</u>	CRS Name <u>12</u>	RS Name <u>11</u>	Cycle Time	APP: SEFUN SOX <u>SDS</u>	Check Out: Chemist/Date: <u>EMM 05/04/20</u>
PCDD/F <u>19L2301, 10ML</u>	PCDD/F <u>18F1913, 10ML</u>	PCDD/F <u>19I1602, 10ML</u>	PCDD/F <u>19I1603, 10ML</u>	Start Date/Time <u>05/04/20 1232</u>	SOLV: <u>T01</u>	Check In: Chemist/Date: <u>EMM 05/04/20</u>
PCB _____	PCB _____	PCB _____	PCB _____	Stop Date/Time <u>05/05/20</u>	Other <u>N/A</u>	Balance ID: <u>HRMS-08</u>
PAH _____	PAH _____	PAH _____	PAH _____		Final Volume(s) <u>20ML</u> <u>C14</u>	

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

Analyst: CHT	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) <u>EM 05/04/20</u>
Analyte:	Units: %	
Oven ID: 01 (02)	Dried at 110°C +/- 5°C	

Inst HRMS-9

Date/Time IN:	Date/Time OUT:
4/30/20 11:38	5/1/20 15:03

B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Particle Size	SampID	SampType	Initial and Date:	CHT 04/30/2020	RR 05/01/2020	Dry Sample Weight (g)	%Solids RawVal	Visual Inspection	CF	pH Before	pH After	Acid Added	CHT 04/30/2020	Sample Homogenized*
			Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)									
	2000957-01	A	Sample	1.3100 ✓	6.6700 ✓	4.4100 ✓	3.1000	57.84	Mud	N/A	N/A	N/A	N/A	X
	2000957-02	A	Sample	1.3300 ✓	7.0100 ✓	5.1100 ✓	3.7800	66.55	Mud	N/A	N/A	N/A	N/A	X
	2000957-03	A	Sample	1.3300 ✓	6.2900 ✓	4.7600 ✓	3.4300	69.15	Mud	N/A	N/A	N/A	N/A	X
	2000957-04	A	Sample	1.2900 ✓	9.5500 ✓	6.9300 ✓	5.6400	68.28	Mud	N/A	N/A	N/A	N/A	X
	2000957-05	A	Sample	1.3300 ✓	10.4900 ✓	6.9100 ✓	5.5800	60.92	Mud	N/A	N/A	N/A	N/A	X
	2000957-06	A	Sample	1.2800 ✓	5.2400 ✓	3.7200 ✓	2.4400	61.62	Mud	N/A	N/A	N/A	N/A	X
	2000957-07	A	Sample	1.3000 ✓	7.3400 ✓	5.1400 ✓	3.8400	63.58	Mud	N/A	N/A	N/A	N/A	X
	2000957-08	A	Sample	1.3200 ✓	5.8500 ✓	4.1300 ✓	2.8100	62.03	Mud	N/A	N/A	N/A	N/A	X
	2000957-09	A	Sample	1.3100 ✓	7.2800 ✓	4.9500 ✓	3.6400	60.97	Mud	N/A	N/A	N/A	N/A	X
	2000957-10	A	Sample	1.3100 ✓	8.5800 ✓	5.6000 ✓	4.2900	59.01	Mud	N/A	N/A	N/A	N/A	X
	2000957-11	A	Sample	1.2900 ✓	6.1800 ✓	4.1200 ✓	2.8300	57.87	Mud	N/A	N/A	N/A	N/A	X
	2000957-12	A	Sample	1.3200 ✓	11.3800 ✓	7.7400 ✓	6.4200	63.82	Mud	N/A	N/A	N/A	N/A	X
	2000957-13	A	Sample	1.3000 ✓	6.0100 ✓	5.1000 ✓	3.8000	80.68	Soil	N/A	N/A	N/A	N/A	X
	2000957-14	A	Sample	1.3000 ✓	5.6400 ✓	4.8900 ✓	3.5900	82.72	Soil	N/A	N/A	N/A	N/A	X
	2000957-15	A	Sample	1.3100 ✓	5.3300 ✓	4.9100 ✓	3.6000	89.55	Soil	N/A	N/A	N/A	N/A	X
	2000957-16	A	Sample	1.3100 ✓	5.6100 ✓	5.0400 ✓	3.7300	86.74	Soil	N/A	N/A	N/A	N/A	X
	2000957-17	A	Sample	1.3100 ✓	5.5100 ✓	4.7900 ✓	3.4800	82.86	Soil	N/A	N/A	N/A	N/A	X
	2000957-18	A	Sample	1.3300 ✓	5.6700 ✓	5.3500 ✓	4.0200	92.63	Soil	N/A	N/A	N/A	N/A	X
	2000957-19	A	Sample	1.3100 ✓	5.7300 ✓	5.1700 ✓	3.6600	87.33	Soil	N/A	N/A	N/A	N/A	X
	2000957-20	A	Sample	1.3300 ✓	5.9600 ✓	4.8400 ✓	3.5100	75.81	Soil	N/A	N/A	N/A	N/A	X

*Sample homogenized in sample container unless otherwise noted.

Analyst: LHT	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) <u>N/A</u>
Analyte: Dried at 110°C±5°C	Units: %	
Oven ID: 01 (62)		

Inst **HEMS 9**

Date/Time IN: **04/30/20 1138** Date/Time OUT: **05/01/20 1503**

Particle Size	SampID	SampType	Initial and Date:		Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	Visual Inspection	Cl-	pH Before	pH After	Acid Added	Sample Homogenized*
			Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)									
	2000957-01	Sample	1.31	6.67	4.41		Mxd						✓
	2000957-02	Sample	1.33	7.01	5.11								✓
	2000957-03	Sample	1.33	6.29	4.76								✓
	2000957-04	Sample	1.29	9.55	4.93								✓
	2000957-05	Sample	1.33	10.49	6.91								✓
	2000957-06	Sample	1.28	5.24	2.72								✓
	2000957-07	Sample	1.30	7.34	6.92								✓
	2000957-08	Sample	1.32	5.85	4.13								✓
	2000957-09	Sample	1.31	7.28	4.95								✓
	2000957-10	Sample	1.31	8.58	5.60								✓
	2000957-11	Sample	1.29	6.18	4.12								✓
	2000957-12	Sample	1.32	11.38	7.74								✓
	2000957-13	Sample	1.30	6.01	5.10								✓
	2000957-14	Sample	1.30	5.64	4.89								✓
	2000957-15	Sample	1.31	5.33	4.91								✓
	2000957-16	Sample	1.31	5.61	5.04								✓
	2000957-17	Sample	1.31	5.51	4.79								✓
	2000957-18	Sample	1.33	5.67	5.35								✓
	2000957-19	Sample	1.31	5.73	5.17								✓
	2000957-20	Sample	1.33	5.96	4.84								✓

*Sample homogenized in sample container unless otherwise noted.

*6.93 RR 05/01/20
*5.14 RR 05/01/20

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
2000957-01	17.36 ✓	57.83582	10.0403	20	04-May-20 06:11	EMM			Sediment	1613 Full List
2000957-02	15.08 ✓	66.54929	10.0356	20	04-May-20 06:11	EMM			Sediment	1613 Full List
2000957-03	14.49 ✓	69.15323	10.0203	20	04-May-20 06:11	EMM			Sediment	1613 Full List
2000957-04	14.69 ✓	68.28087	10.0305	20	04-May-20 06:11	EMM			Sediment	1613 Full List
2000957-05	16.47 ✓	60.91703	10.0330	20	04-May-20 06:11	EMM			Sediment	1613 Full List
2000957-06	16.24 ✓	61.61617	10.0065	20	04-May-20 06:11	EMM			Sediment	1613 Full List
2000957-07	15.75 ✓	63.57616	10.0132	20	04-May-20 06:11	EMM			Sediment	1613 Full List
2000957-08	16.14 ✓	62.03091	10.0118	20	04-May-20 06:11	EMM			Sediment	1613 Full List
2000957-09	16.41 ✓	60.97152	10.0054	20	04-May-20 06:11	EMM			Sediment	1613 Full List
2000957-10	16.97 ✓	59.00963	10.0139	20	04-May-20 06:11	EMM			Sediment	1613 Full List
2000957-11	17.29 ✓	57.87321	10.0063	20	04-May-20 06:11	EMM			Sediment	1613 Full List
2000957-12	15.7 ✓	63.81709	10.0193	20	04-May-20 06:11	EMM			Sediment	1613 Full List
2000957-13	12.4 ✓	80.6794	10.0042	20	04-May-20 06:11	EMM			Sediment	1613 Full List
2000957-14	12.1 ✓	82.71889	10.0090	20	04-May-20 06:11	EMM			Sediment	1613 Full List
2000957-15	11.21 ✓	89.55224	10.0388	20	04-May-20 06:11	EMM			Sediment	1613 Full List
2000957-16	11.59 ✓	86.74419	10.0537	20	04-May-20 06:11	EMM			Sediment	1613 Full List
2000957-17	12.1 ✓	82.85714	10.0257	20	04-May-20 06:11	EMM			Sediment	1613 Full List
2000957-18	10.86 ✓	92.62672	10.0593	20	04-May-20 06:11	EMM			Sediment	1613 Full List
2000957-19	11.5 ✓	87.33031	10.0430	20	04-May-20 06:11	EMM			Sediment	1613 Full List
2000957-20	13.24 ✓	75.80994	10.0372	20	04-May-20 06:11	EMM			Sediment	1613 Full List
B0E0022-BLK1	10			20	04-May-20 06:11	EMM				QC
B0E0022-BS1	10			20	04-May-20 06:11	EMM	18F1913 ✓	10 ✓		QC
B0E0022-DUP1	16.97 ✓	59.00963	10.0139	20	04-May-20 06:11	EMM				QC

All bolded data on report verified against written benchsheet by (initial/date) UC 05/07/20

SAMPLE DATA – EPA METHOD 1613

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-5.qld

Last Altered: Wednesday, May 20, 2020 08:26:23 Pacific Daylight Time
Printed: Wednesday, May 20, 2020 10:30:18 Pacific Daylight Time

BL 05/20/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

CT 06/02/2020

Name: 200519R2_5, Date: 19-May-2020, Time: 16:37:21, ID: B0E0022-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc	Area	DL
1	2,3,7,8-TCDD			NO	0.947	10.000	26.051		1.001				0.0517
2	1,2,3,7,8-PeCDD			NO	0.942	10.000	31.131		1.001				0.0471
3	1,2,3,4,7,8-HxCDD			NO	1.06	10.000	34.494		1.000				0.0597
4	1,2,3,6,7,8-HxCDD			NO	0.915	10.000	34.590		1.000				0.0593
5	1,2,3,7,8,9-HxCDD			NO	0.915	10.000	34.867		1.000				0.0722
6	1,2,3,4,6,7,8-HpCDD			NO	0.898	10.000	38.383		1.000				0.0935
7	OCDD			NO	0.933	10.000	41.343		1.000				0.0855
8	2,3,7,8-TCDF			NO	0.787	10.000	25.102		1.001				0.0450
9	1,2,3,7,8-PeCDF			NO	0.910	10.000	29.818		1.001				0.0347
10	2,3,4,7,8-PeCDF			NO	0.966	10.000	30.820		1.001				0.0335
11	1,2,3,4,7,8-HxCDF			NO	0.878	10.000	33.621		1.000				0.0540
12	1,2,3,6,7,8-HxCDF			NO	0.874	10.000	33.749		1.000				0.0513
13	2,3,4,6,7,8-HxCDF			NO	0.922	10.000	34.348		1.001				0.0550
14	1,2,3,7,8,9-HxCDF			NO	0.864	10.000	35.208		1.000				0.0857
15	1,2,3,4,6,7,8-HpCDF			NO	0.871	10.000	36.981		1.001				0.0572
16	1,2,3,4,7,8,9-HpCDF			NO	1.01	10.000	38.957		1.000				0.0626
17	OCDF			NO	0.802	10.000	41.535		1.000				0.0796
18	13C-2,3,7,8-TCDD	1.28e6	0.80	NO	1.16	10.000	26.000	26.02	1.026	1.027	150.59	75.3	0.155
19	13C-1,2,3,7,8-PeCDD	1.03e6	0.63	NO	0.847	10.000	31.086	31.11	1.227	1.228	165.38	82.7	0.219
20	13C-1,2,3,4,7,8-HxCDD	7.61e5	1.37	NO	0.750	10.000	34.495	34.48	1.014	1.014	150.60	75.3	0.326
21	13C-1,2,3,6,7,8-HxCDD	9.58e5	1.21	NO	0.963	10.000	34.607	34.59	1.017	1.017	147.69	73.8	0.254
22	13C-1,2,3,7,8,9-HxCDD	8.22e5	1.24	NO	0.838	10.000	34.876	34.86	1.025	1.025	145.61	72.8	0.292
23	13C-1,2,3,4,6,7,8-HpCDD	6.71e5	1.09	NO	0.641	10.000	38.366	38.37	1.128	1.128	155.38	77.7	0.308
24	13C-OCDD	1.14e6	0.95	NO	0.586	10.000	41.359	41.34	1.216	1.215	289.10	72.3	0.426
25	13C-2,3,7,8-TCDF	1.61e6	0.76	NO	1.03	10.000	25.060	25.08	0.989	0.990	149.50	74.7	0.250
26	13C-1,2,3,7,8-PeCDF	1.45e6	1.62	NO	0.845	10.000	29.777	29.80	1.176	1.176	165.14	82.6	0.385
27	13C-2,3,4,7,8-PeCDF	1.40e6	1.57	NO	0.814	10.000	30.767	30.79	1.215	1.215	164.68	82.3	0.399
28	13C-1,2,3,4,7,8-HxCDF	9.70e5	0.51	NO	1.00	10.000	33.634	33.62	0.989	0.988	143.22	71.6	0.456
29	13C-1,2,3,6,7,8-HxCDF	1.13e6	0.51	NO	1.14	10.000	33.757	33.74	0.992	0.992	147.98	74.0	0.403
30	13C-2,3,4,6,7,8-HxCDF	9.88e5	0.51	NO	1.02	10.000	34.325	34.31	1.009	1.009	143.51	71.8	0.448
31	13C-1,2,3,7,8,9-HxCDF	8.31e5	0.53	NO	0.845	10.000	35.216	35.21	1.035	1.035	145.94	73.0	0.543

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-5.qld

Last Altered: Wednesday, May 20, 2020 08:26:23 Pacific Daylight Time

Printed: Wednesday, May 20, 2020 10:30:18 Pacific Daylight Time

Name: 200519R2_5, Date: 19-May-2020, Time: 16:37:21, ID: B0E0022-BLK1 Method Blank 10, Description: Method Blank

Peak #	Name	Resp	RA	n/y	RRF	w/w%	Area	Height	Area	Height	Area	Height	Area
32	13C-1,2,3,4,6,7,8-HpCDF	7.58e5	0.44	NO	0.771	10.000	36.947	36.94	1.086	1.086	145.83	72.9	0.417
33	13C-1,2,3,4,7,8,9-HpCDF	5.35e5	0.43	NO	0.482	10.000	38.958	38.96	1.145	1.145	164.79	82.4	0.667
34	13C-OCDF	1.46e6	0.88	NO	0.669	10.000	41.529	41.53	1.221	1.221	323.46	80.9	0.371
35	37Cl-2,3,7,8-TCDD	5.25e5			1.10	10.000	26.030	26.03	1.028	1.028	65.216	81.5	0.0310
36	13C-1,2,3,4-TCDD	1.47e6	0.79	NO	1.00	10.000	25.350	25.33	1.000	1.000	200.00	100	0.180
37	13C-1,2,3,4-TCDF	2.08e6	0.79	NO	1.00	10.000	23.560	23.57	1.000	1.000	200.00	100	0.259
38	13C-1,2,3,4,6,9-HxCDF	1.35e6	0.51	NO	1.00	10.000	34.000	34.01	1.000	1.000	200.00	100	0.458
39	Total Tetra-Dioxins				0.947	10.000	24.620		0.000				0.0347
40	Total Penta-Dioxins				0.942	10.000	29.960		0.000				0.0253
41	Total Hexa-Dioxins				0.915	10.000	33.635		0.000				0.0446
42	Total Hepta-Dioxins				0.898	10.000	37.640		0.000				0.0482
43	Total Tetra-Furans				0.787	10.000	23.610		0.000				0.0170
44	1st Func. Penta-Furans				0.910	10.000	27.090		0.000				0.00658
45	Total Penta-Furans				0.910	10.000	29.275		0.000				0.0127
46	Total Hexa-Furans				0.922	10.000	33.555		0.000				0.0367
47	Total Hepta-Furans				0.871	10.000	37.835		0.000				0.0320

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-5.qld

Last Altered: Wednesday, May 20, 2020 08:26:23 Pacific Daylight Time
Printed: Wednesday, May 20, 2020 10:30:18 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
Calibration: U:\VG12.PRO\CurveDB\cb5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200519R2_5, Date: 19-May-2020, Time: 16:37:21, ID: B0E0022-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
------	----	-----------	-----------	---------	---------	----	-----	------	-------	------	----

Penta-Dioxins

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

Hexa-Dioxins

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

Hepta-Dioxins

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

Tetra-Furans

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

Penta-Furans function 1

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

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-5.qld

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Printed: Wednesday, May 20, 2020 10:30:18 Pacific Daylight Time

Name: 200519R2_5, Date: 19-May-2020, Time: 16:37:21, ID: B0E0022-BLK1 Method Blank 10, Description: Method Blank

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	RF	Resp	Cond	EMPC	DL
1											

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	RF	Resp	Cond	EMPC	DL
1											

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	RF	Resp	Cond	EMPC	DL
1											

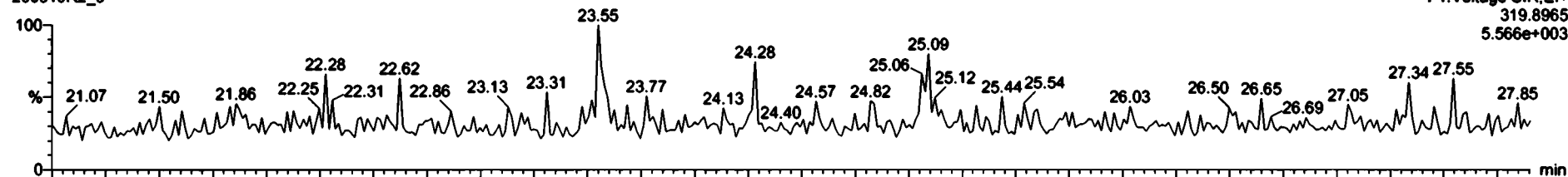
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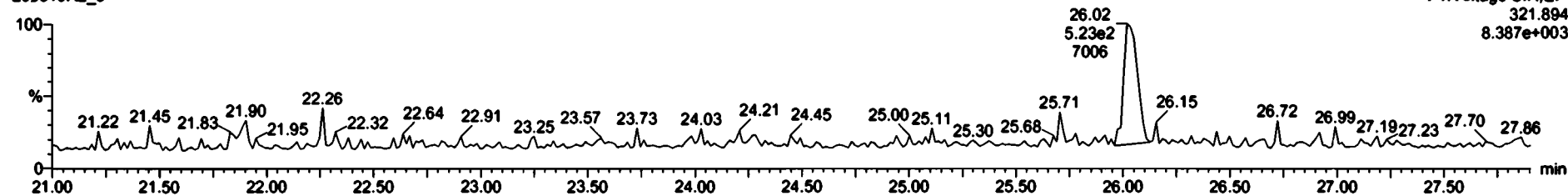
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2,3,7,8-TCDD

200519R2_5

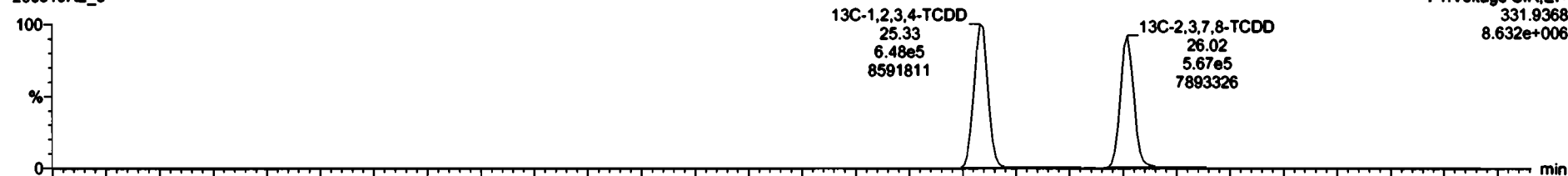


200519R2_5

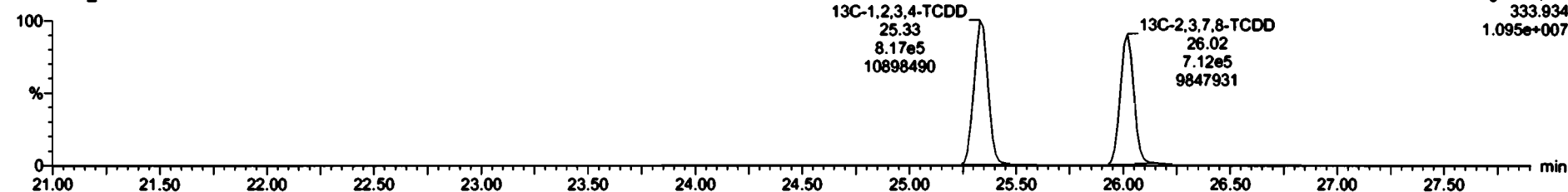


13C-2,3,7,8-TCDD

200519R2_5



200519R2_5



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Printed: Wednesday, May 20, 2020 07:20:02 Pacific Daylight Time

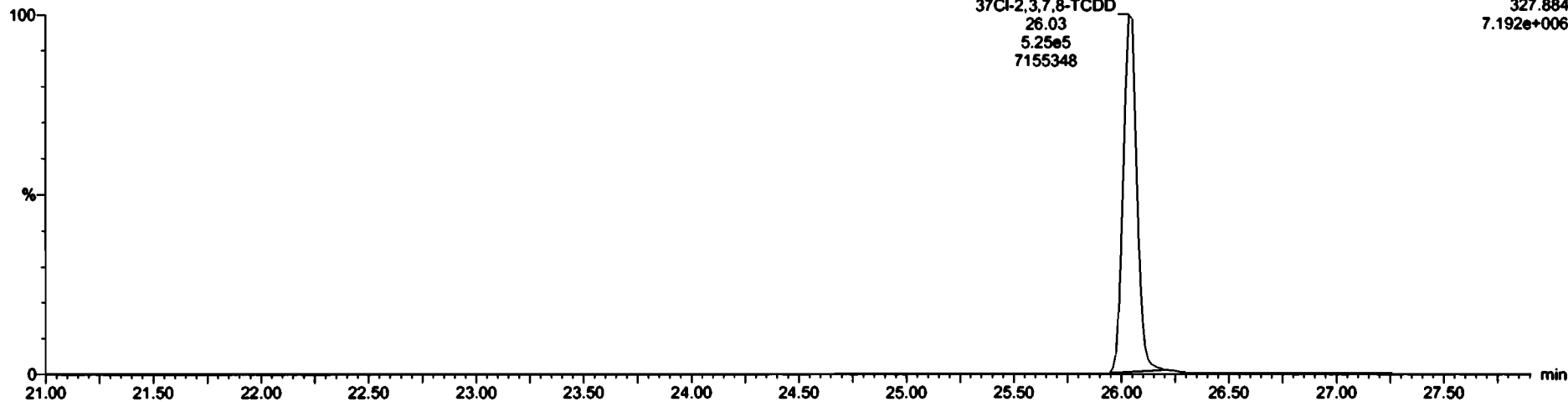
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37Cl-2,3,7,8-TCDD

200519R2_5

37Cl-2,3,7,8-TCDD
26.03
5.25e5
7155348

F1:Voltage SIR,EI+
327.884
7.192e+006



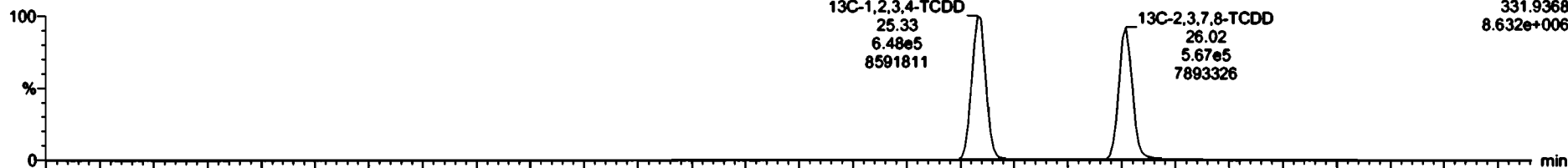
13C-1,2,3,4-TCDD

200519R2_5

13C-1,2,3,4-TCDD
25.33
6.48e5
8591811

13C-2,3,7,8-TCDD
26.02
5.67e5
7893326

F1:Voltage SIR,EI+
331.9368
8.632e+006

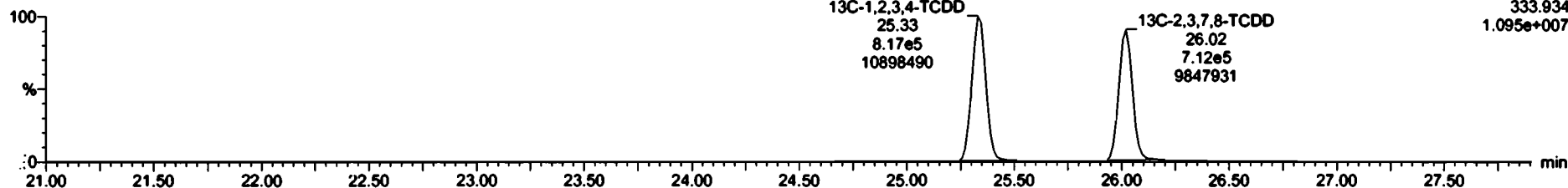


200519R2_5

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25.33
8.17e5
10898490

13C-2,3,7,8-TCDD
26.02
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9847931

F1:Voltage SIR,EI+
333.934
1.095e+007



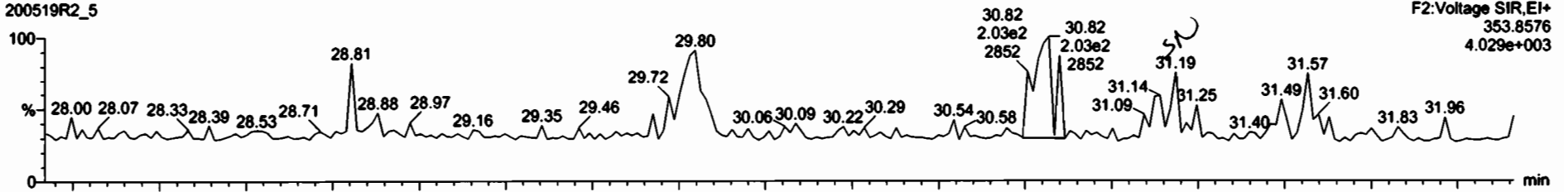
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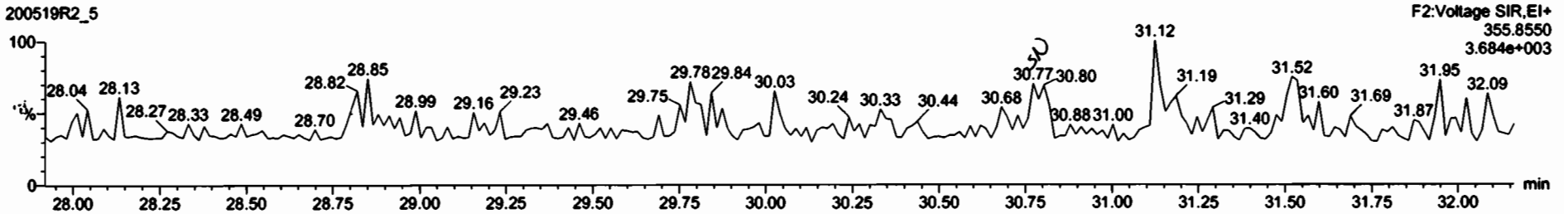
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1,2,3,7,8-PeCDD

200519R2_5

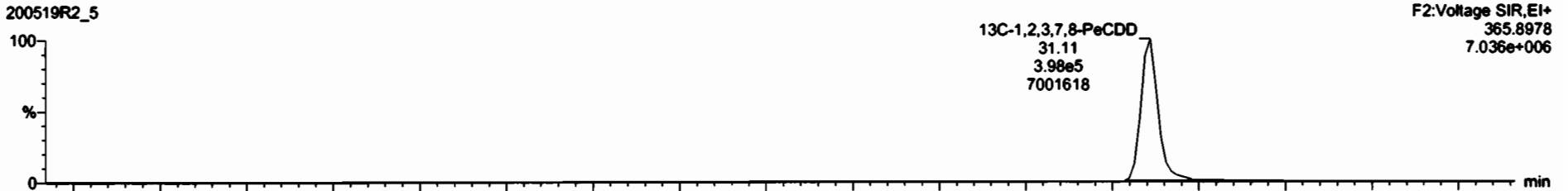


200519R2_5

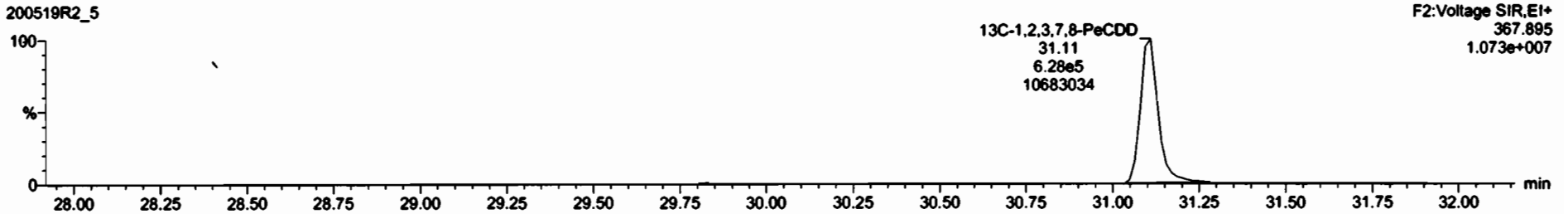


13C-1,2,3,7,8-PeCDD

200519R2_5



200519R2_5



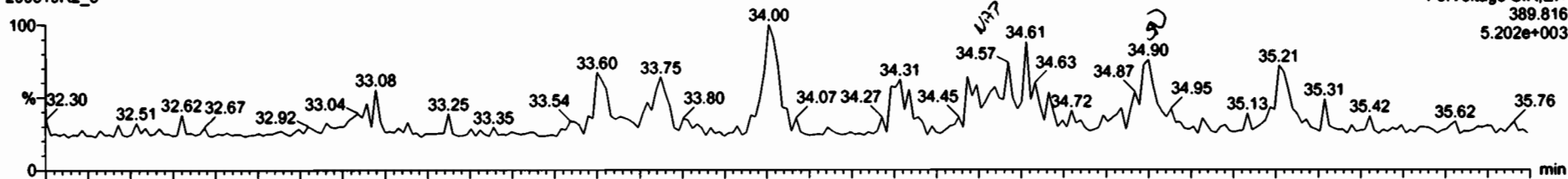
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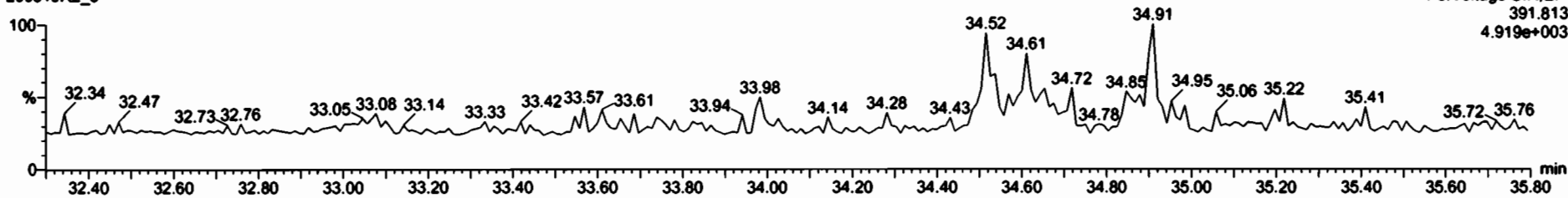
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1,2,3,4,7,8-HxCDD

200519R2_5

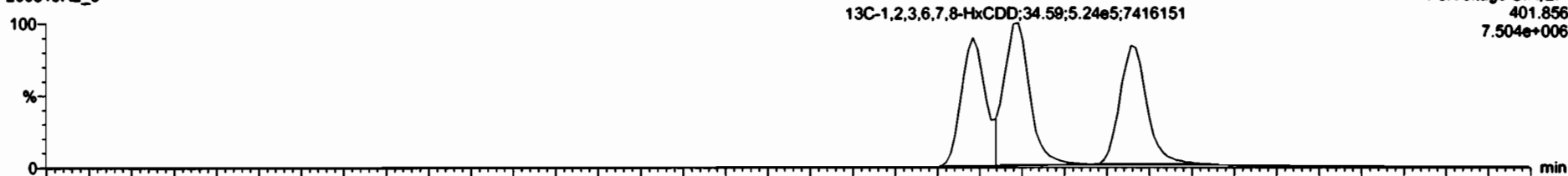


200519R2_5

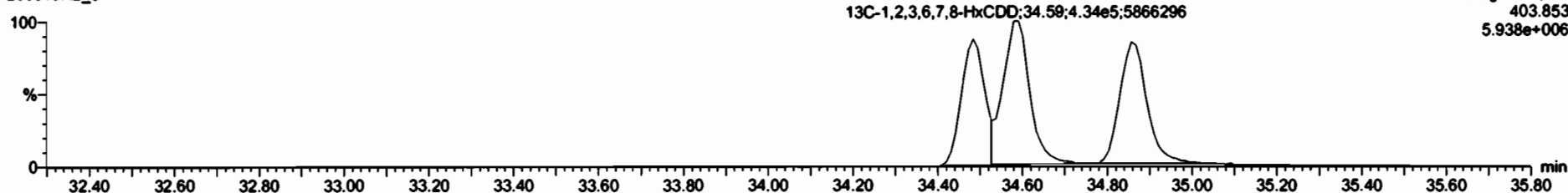


13C-1,2,3,4,7,8-HxCDD

200519R2_5



200519R2_5



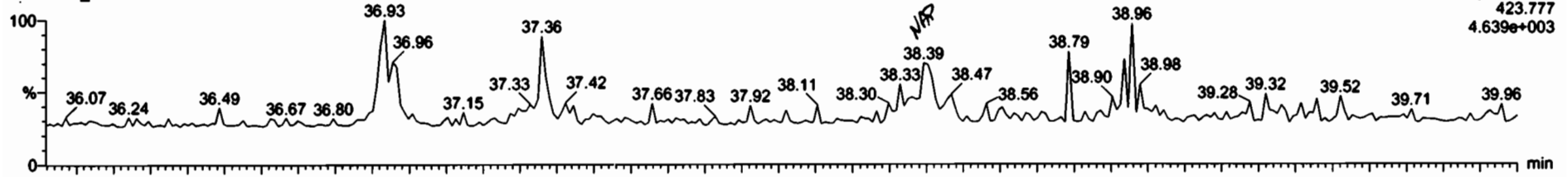
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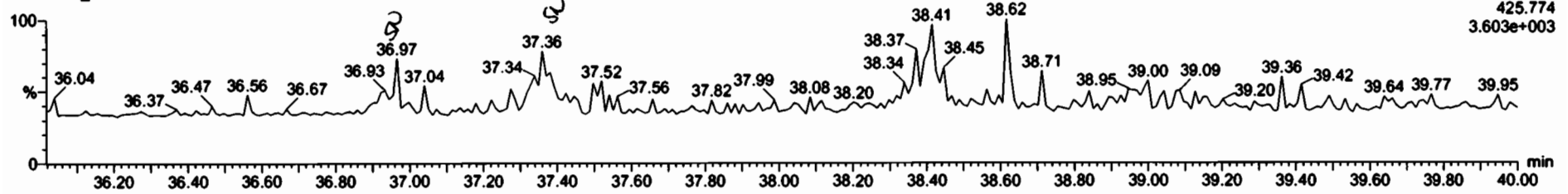
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1,2,3,4,6,7,8-HpCDD

200519R2_5



200519R2_5

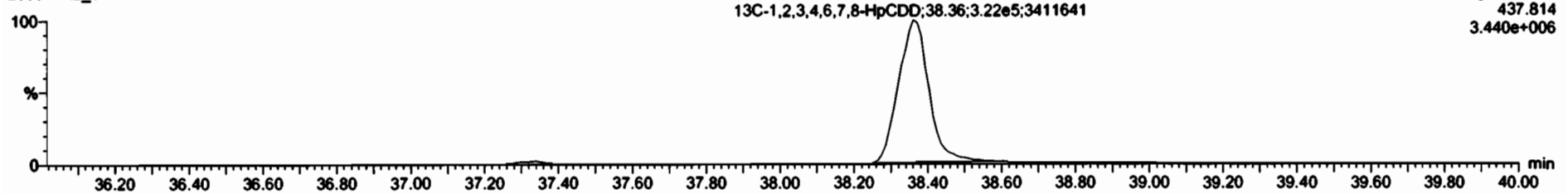


13C-1,2,3,4,6,7,8-HpCDD

200519R2_5



200519R2_5



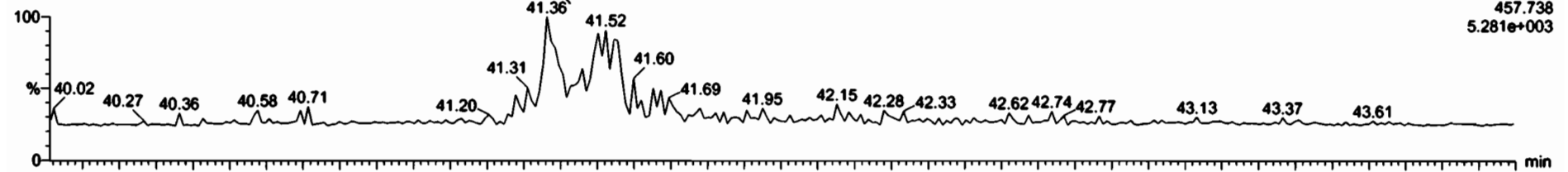
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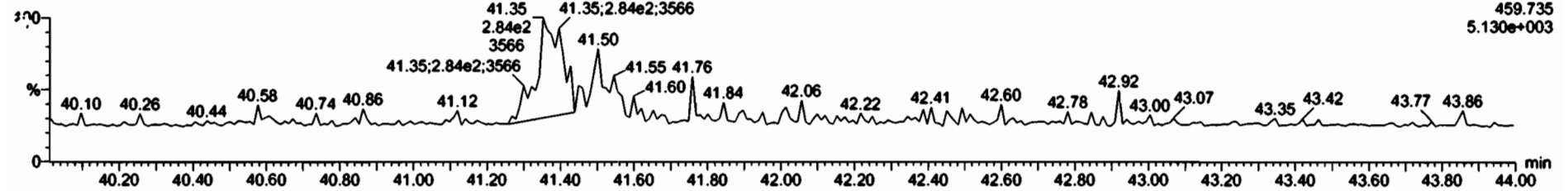
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OCDD

200519R2_5



200519R2_5

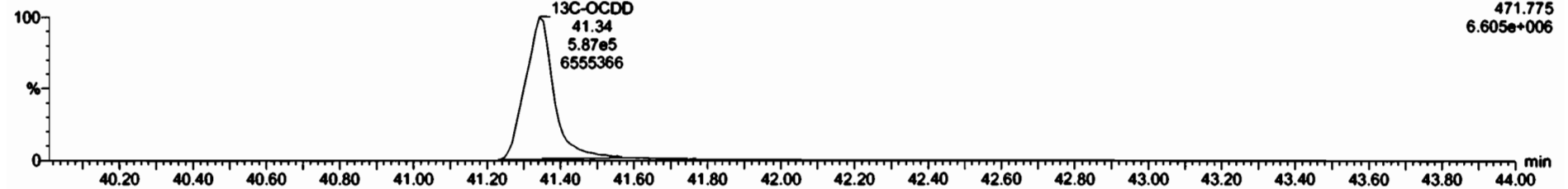


13C-OCDD

200519R2_5



200519R2_5

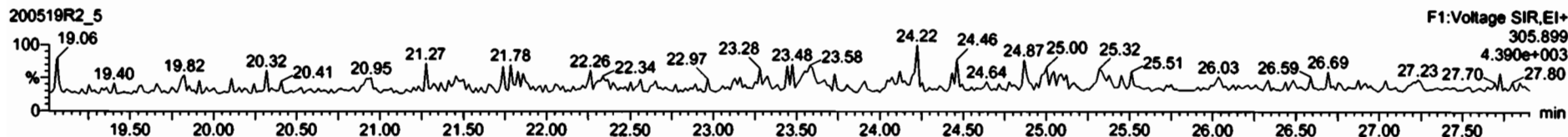
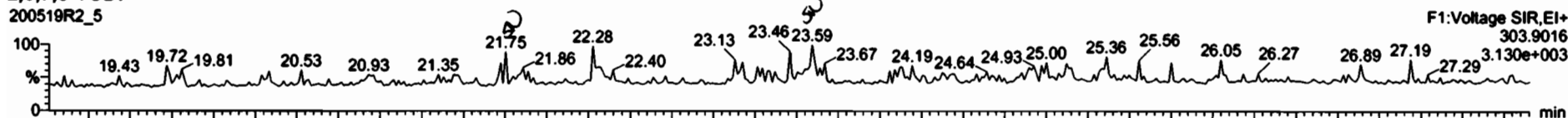


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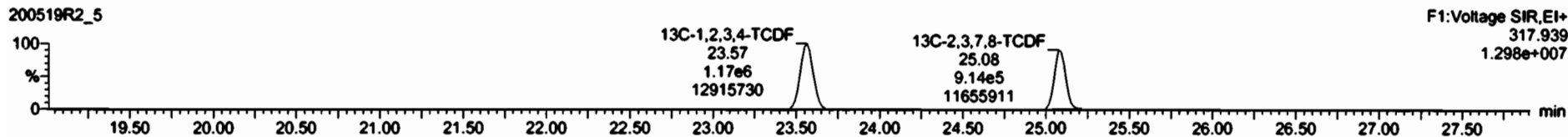
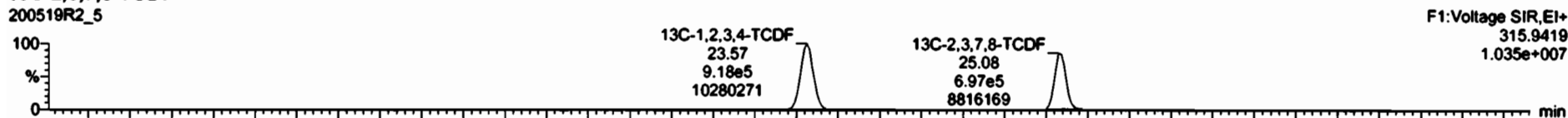
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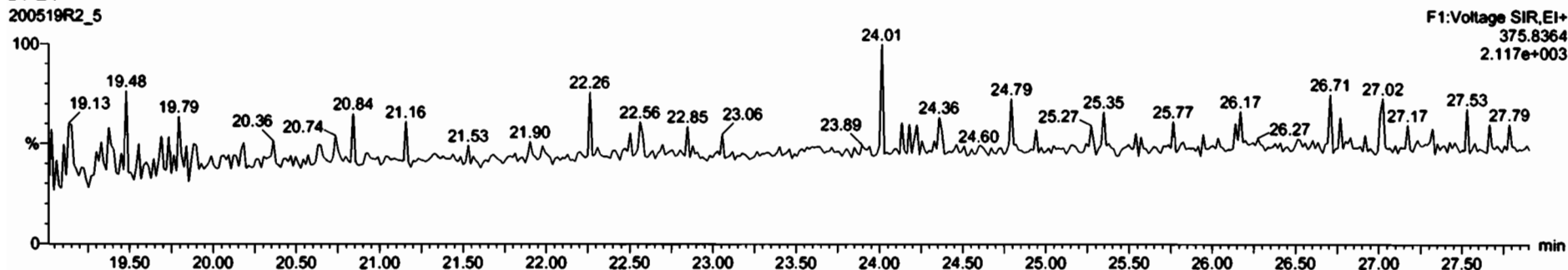
2,3,7,8-TCDF



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



DPE1



Dataset: Untitled

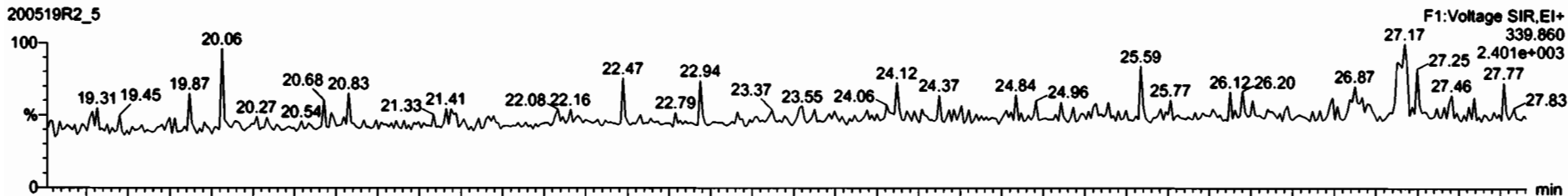
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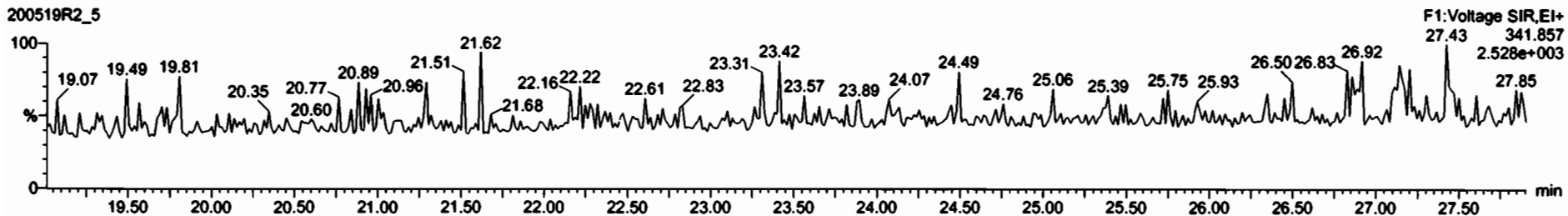
Name: 200519R2_5, Date: 19-May-2020, Time: 16:37:21, ID: B0E0022-BLK1 Method Blank 10, Description: Method Blank

1st Func. Penta-Furans

200519R2_5

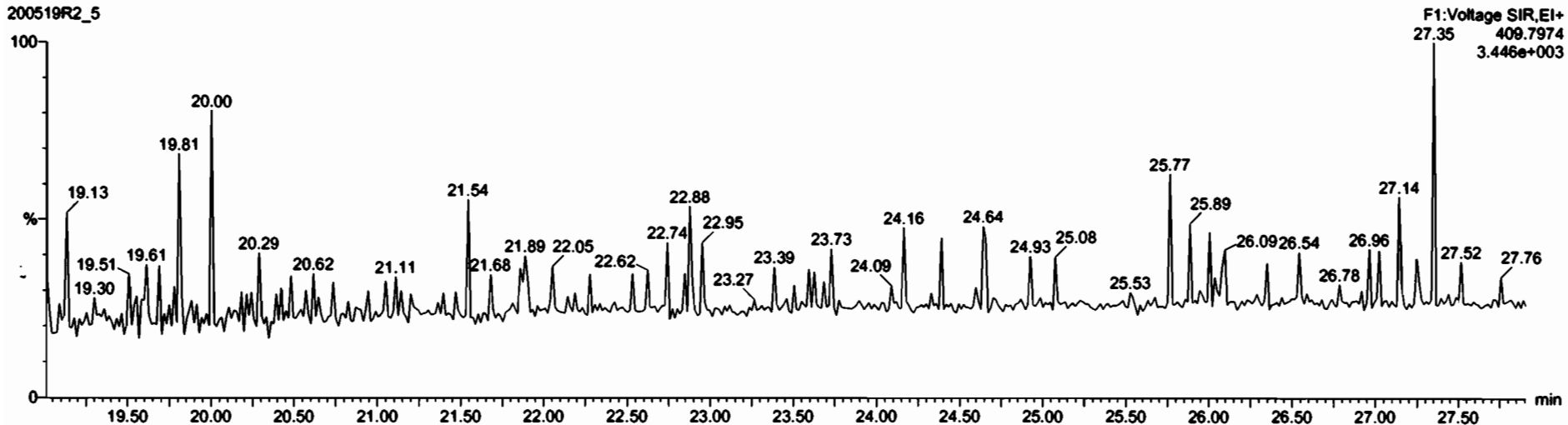


200519R2_5



DPE6

200519R2_5



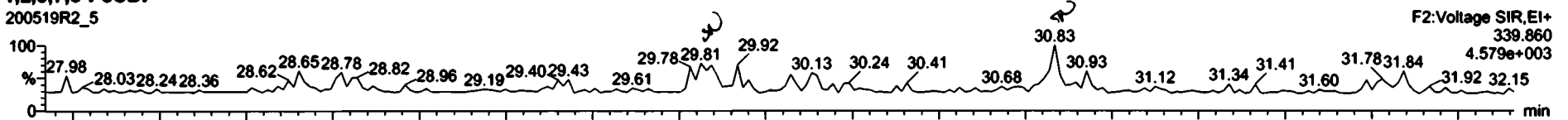
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Printed: Wednesday, May 20, 2020 07:20:02 Pacific Daylight Time

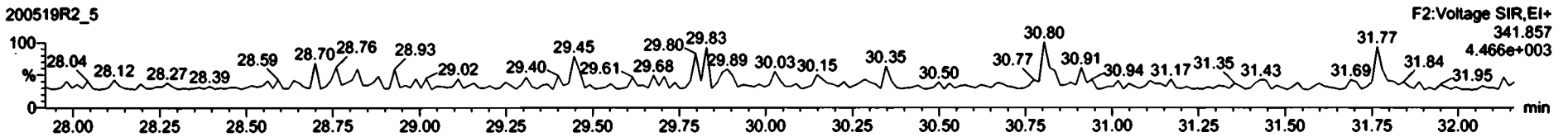
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1,2,3,7,8-PeCDF

200519R2_5

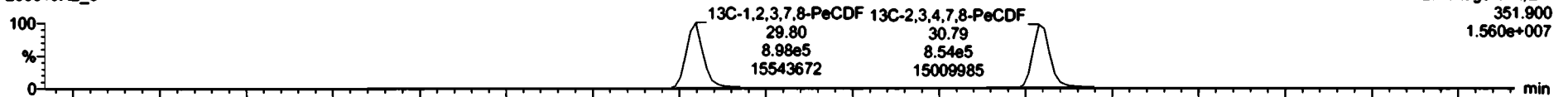


200519R2_5

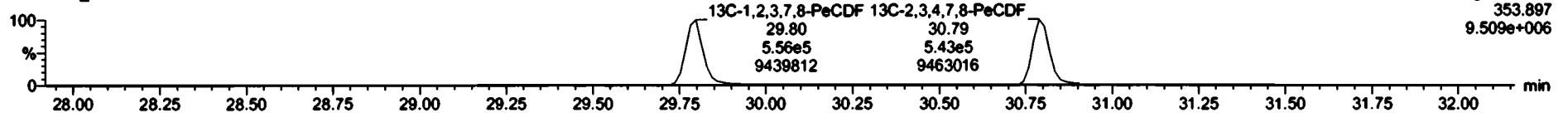


13C-1,2,3,7,8-PeCDF

200519R2_5

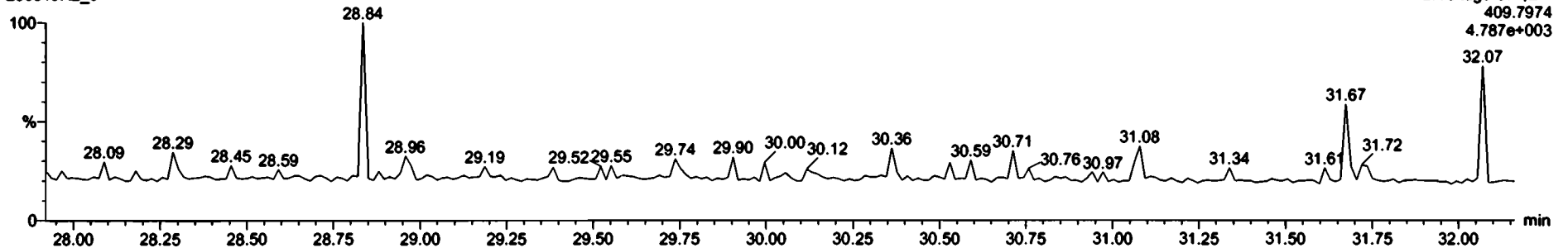


200519R2_5



DPE2

200519R2_5

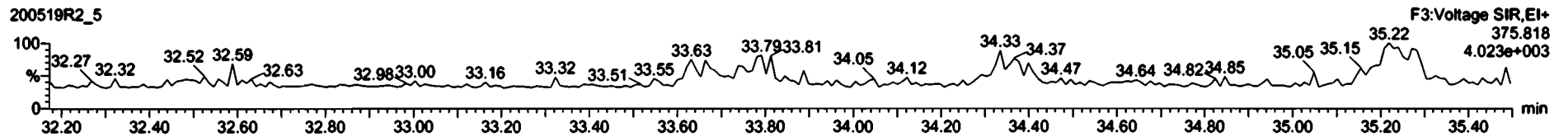
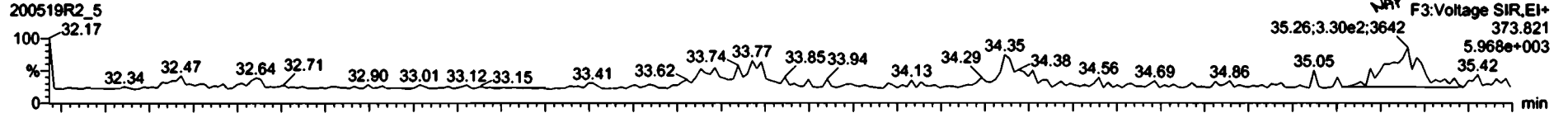


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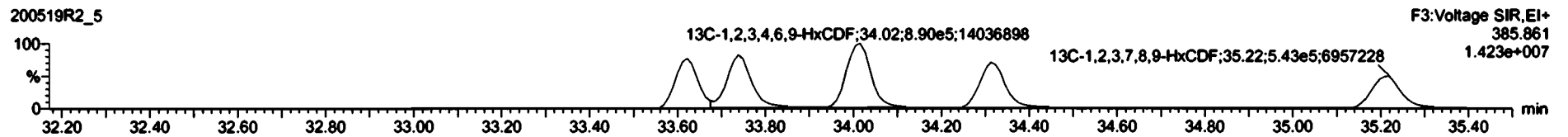
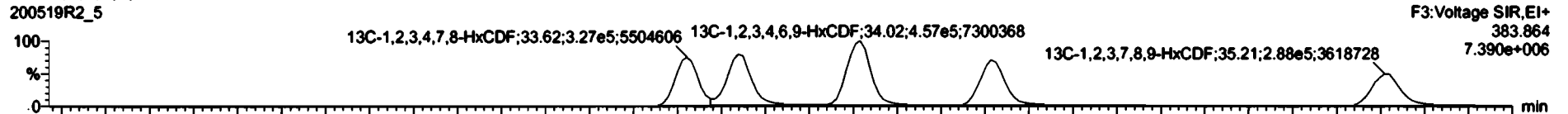
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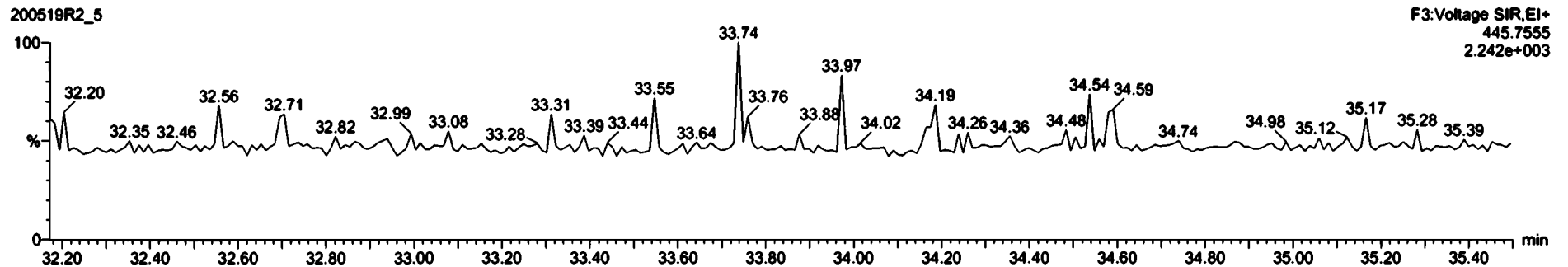
1,2,3,4,7,8-HxCDF



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



DPE3



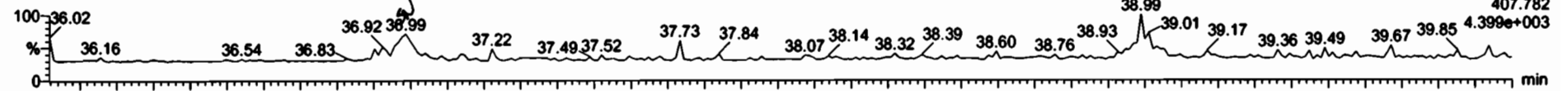
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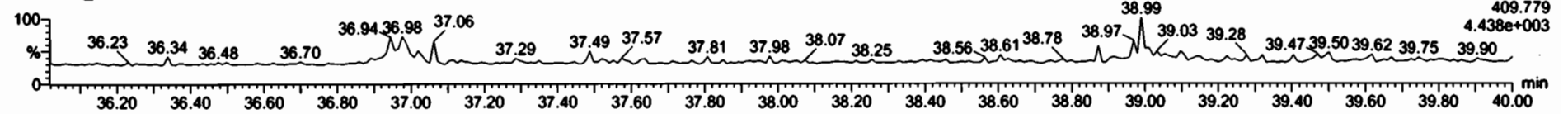
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1,2,3,4,6,7,8-HpCDF

200519R2_5



200519R2_5

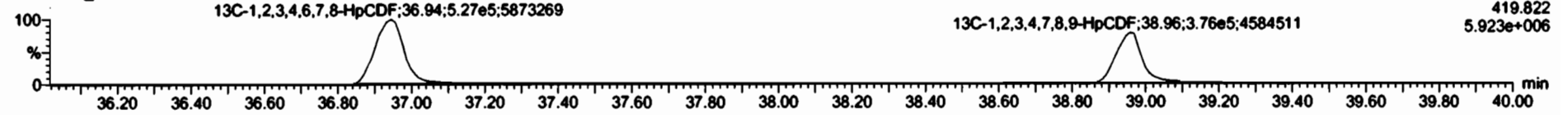


13C-1,2,3,4,6,7,8-HpCDF

200519R2_5

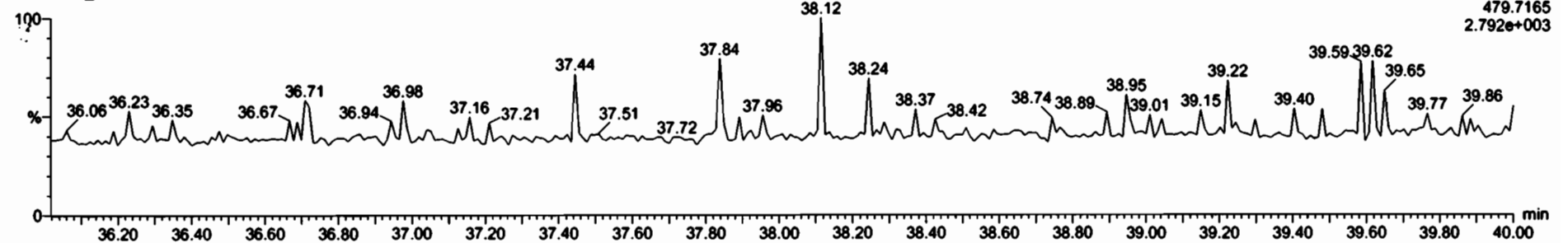


200519R2_5



DPE4

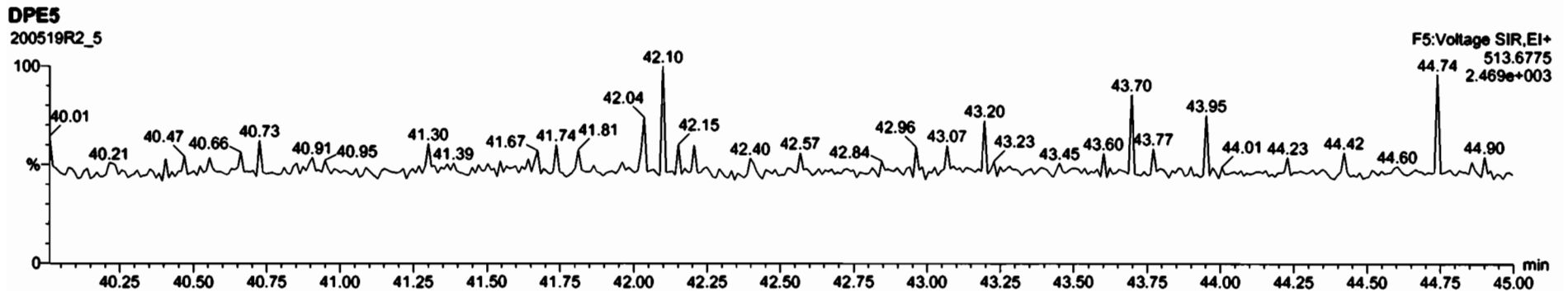
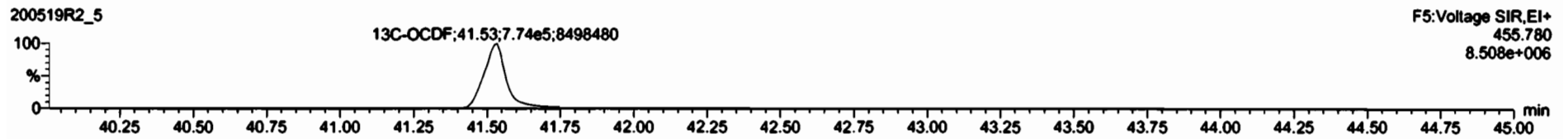
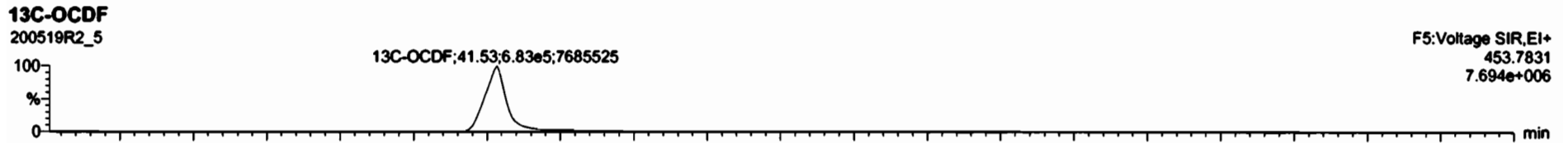
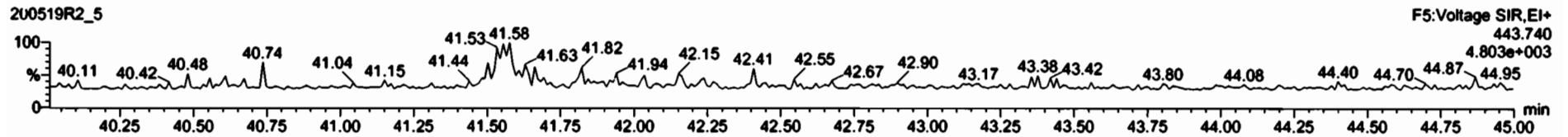
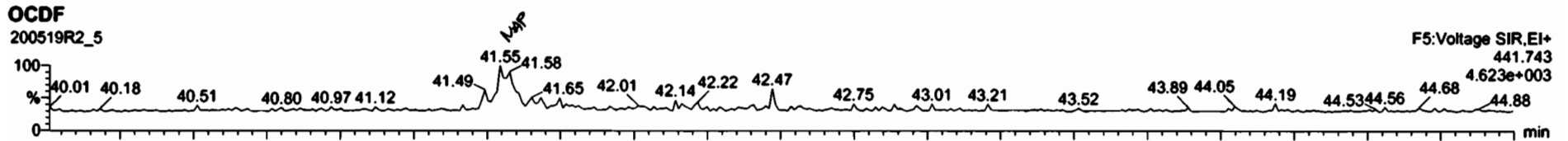
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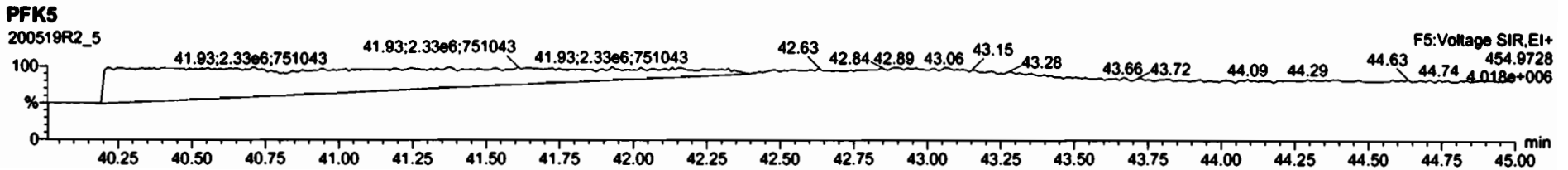
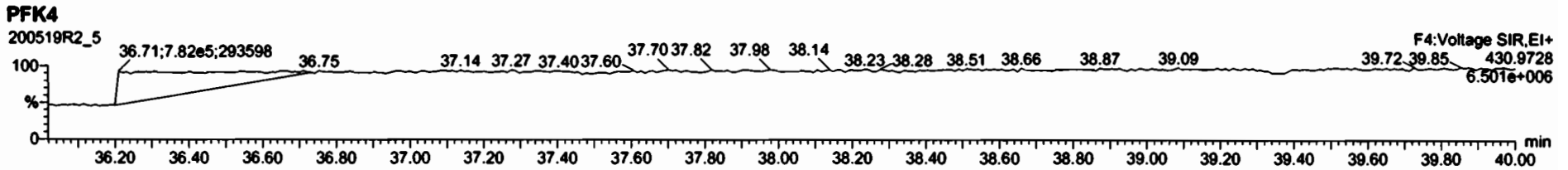
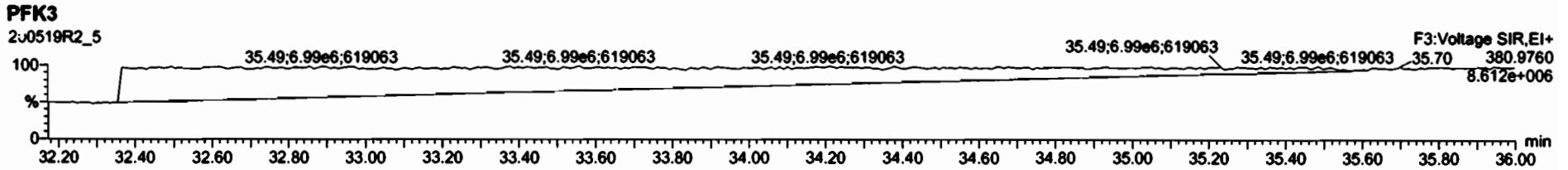
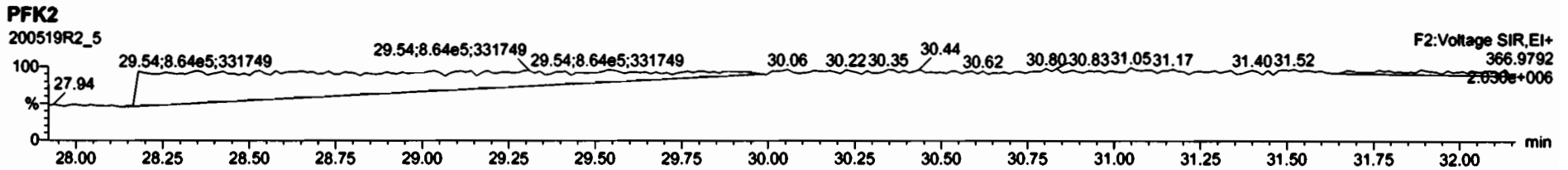
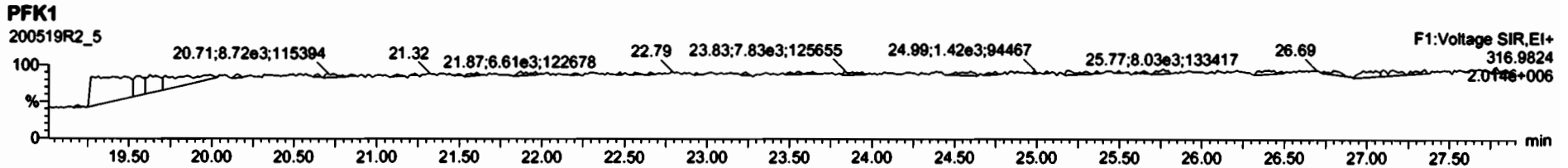
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Dataset: Untitled

Last Altered: Wednesday, May 20, 2020 07:20:02 Pacific Daylight Time
Printed: Wednesday, May 20, 2020 07:20:02 Pacific Daylight Time

Name: 200519R2_5, Date: 19-May-2020, Time: 16:37:21, ID: B0E0022-BLK1 Method Blank 10, Description: Method Blank



Dataset: U:\VG12.PRO\Results\200519R2\200519R2-3.qld

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31 05/20/2020

LT 06/02/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200519R2_3, Date: 19-May-2020, Time: 15:04:59, ID: B0E0022-BS1 OPR 10, Description: OPR

Peak	Ret	RA	n/y	RRF	w/vol	Prod.Rt	RT	Prod.RRT	RRT	Conc	Conc	Conc	
1	2,3,7,8-TCDD	9.89e4	0.74	NO	0.947	10.000	26.066	26.05	1.001	1.001	17.369	0.0824	17.4
2	1,2,3,7,8-PeCDD	4.07e5	0.61	NO	0.942	10.000	31.147	31.14	1.001	1.000	88.271	0.123	88.3
3	1,2,3,4,7,8-HxCDD	3.66e5	1.28	NO	1.06	10.000	34.515	34.52	1.000	1.000	96.874	0.149	96.9
4	1,2,3,6,7,8-HxCDD	3.97e5	1.18	NO	0.915	10.000	34.601	34.61	1.000	1.000	96.472	0.155	96.5
5	1,2,3,7,8,9-HxCDD	3.41e5	1.22	NO	0.915	10.000	34.888	34.89	1.000	1.000	93.118	0.177	93.1
6	1,2,3,4,6,7,8-HpCDD	2.60e5	0.99	NO	0.898	10.000	38.394	38.39	1.000	1.000	97.145	0.360	97.1
7	OCDD	4.81e5	0.88	NO	0.933	10.000	41.364	41.36	1.000	1.000	196.92	0.319	197
8	2,3,7,8-TCDF	1.11e5	0.76	NO	0.787	10.000	25.116	25.11	1.001	1.001	18.739	0.0599	18.7
9	1,2,3,7,8-PeCDF	5.90e5	1.57	NO	0.910	10.000	29.834	29.83	1.001	1.001	95.204	0.134	95.2
10	2,3,4,7,8-PeCDF	6.14e5	1.58	NO	0.966	10.000	30.851	30.83	1.001	1.000	94.201	0.119	94.2
11	1,2,3,4,7,8-HxCDF	4.27e5	1.22	NO	0.878	10.000	33.632	33.65	1.000	1.001	105.34	0.253	105
12	1,2,3,6,7,8-HxCDF	4.85e5	1.21	NO	0.874	10.000	33.770	33.77	1.000	1.000	103.00	0.247	103
13	2,3,4,6,7,8-HxCDF	4.49e5	1.21	NO	0.922	10.000	34.369	34.35	1.001	1.000	103.85	0.263	104
14	1,2,3,7,8,9-HxCDF	3.73e5	1.21	NO	0.864	10.000	35.229	35.24	1.000	1.000	106.97	0.387	107
15	1,2,3,4,6,7,8-HpCDF	3.19e5	1.01	NO	0.871	10.000	36.992	36.97	1.001	1.000	104.36	0.308	104
16	1,2,3,4,7,8,9-HpCDF	2.56e5	1.01	NO	1.01	10.000	38.957	38.97	1.000	1.000	101.96	0.351	102
17	OCDF	5.17e5	0.91	NO	0.802	10.000	41.545	41.56	1.000	1.000	206.20	0.282	206
18	13C-2,3,7,8-TCDD	1.20e6	0.77	NO	1.16	10.000	26.015	26.03	1.026	1.027	152.53	76.3	0.169
19	13C-1,2,3,7,8-PeCDD	9.79e5	0.63	NO	0.847	10.000	31.105	31.13	1.227	1.228	169.93	85.0	0.273
20	13C-1,2,3,4,7,8-HxCDD	7.09e5	1.28	NO	0.750	10.000	34.506	34.51	1.014	1.014	149.74	74.9	0.258
21	13C-1,2,3,6,7,8-HxCDD	9.01e5	1.25	NO	0.963	10.000	34.618	34.60	1.017	1.017	148.09	74.0	0.201
22	13C-1,2,3,7,8,9-HxCDD	8.00e5	1.24	NO	0.838	10.000	34.887	34.88	1.025	1.025	151.11	75.6	0.231
23	13C-1,2,3,4,6,7,8-HpCDD	5.97e5	1.09	NO	0.641	10.000	38.378	38.38	1.128	1.128	147.35	73.7	0.246
24	13C-OCDD	1.05e6	0.89	NO	0.586	10.000	41.372	41.36	1.216	1.216	282.81	70.7	0.308
25	13C-2,3,7,8-TCDF	1.51e6	0.78	NO	1.03	10.000	25.075	25.09	0.989	0.990	153.61	76.8	0.309
26	13C-1,2,3,7,8-PeCDF	1.36e6	1.59	NO	0.845	10.000	29.794	29.81	1.176	1.176	170.13	85.1	0.407
27	13C-2,3,4,7,8-PeCDF	1.35e6	1.61	NO	0.814	10.000	30.785	30.82	1.215	1.216	175.00	87.5	0.422
28	13C-1,2,3,4,7,8-HxCDF	9.24e5	0.51	NO	1.00	10.000	33.645	33.63	0.989	0.988	145.58	72.8	0.341
29	13C-1,2,3,6,7,8-HxCDF	1.08e6	0.52	NO	1.14	10.000	33.767	33.76	0.992	0.992	149.96	75.0	0.301
30	13C-2,3,4,6,7,8-HxCDF	9.38e5	0.51	NO	1.02	10.000	34.336	34.33	1.009	1.009	145.23	72.6	0.335
31	13C-1,2,3,7,8,9-HxCDF	8.07e5	0.53	NO	0.845	10.000	35.227	35.23	1.035	1.035	151.27	75.6	0.406

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Printed: Wednesday, May 20, 2020 10:49:17 Pacific Daylight Time

Name: 200519R2_3, Date: 19-May-2020, Time: 15:04:59, ID: B0E0022-BS1 OPR 10, Description: OPR

# Comp	Resp	RA	n/y	RRF	w/wd	Pred.RT	RT	Pred.RRT	RRT	Conc	Unit	DL	EMF
32 13C-1,2,3,4,6,7,8-HpCDF	7.02e5	0.43	NO	0.771	10.000	36.959	36.96	1.086	1.086	144.09	72.0	0.355	
33 13C-1,2,3,4,7,8,9-HpCDF	4.96e5	0.43	NO	0.482	10.000	38.970	38.96	1.145	1.145	162.88	81.4	0.567	
34 13C-OCDF	1.25e6	0.91	NO	0.669	10.000	41.542	41.54	1.221	1.221	295.76	73.9	0.302	
35 37Cl-2,3,7,8-TCDD	5.04e5			1.10	10.000	26.046	26.05	1.028	1.028	67.530	84.4	0.0454	
36 13C-1,2,3,4-TCDD	1.36e6	0.81	NO	1.00	10.000	25.350	25.35	1.000	1.000	200.00	100	0.196	
37 13C-1,2,3,4-TCDF	1.90e6	0.77	NO	1.00	10.000	23.560	23.57	1.000	1.000	200.00	100	0.319	
38 13C-1,2,3,4,6,9-HxCDF	1.26e6	0.51	NO	1.00	10.000	34.000	34.03	1.000	1.000	200.00	100	0.343	
39 Total Tetra-Dioxins				0.947	10.000	24.620		0.000		17.369		0.0824	17.4
40 Total Penta-Dioxins				0.942	10.000	29.960		0.000		88.399		0.123	88.4
41 Total Hexa-Dioxins				0.915	10.000	33.635		0.000		286.46		0.168	286
42 Total Hepta-Dioxins				0.898	10.000	37.640		0.000		97.145		0.360	97.9
43 Total Tetra-Furans				0.787	10.000	23.610		0.000		18.739		0.0599	18.7
44 1st Func. Penta-Furans				0.910	10.000	27.090		0.000				0.0108	
45 Total Penta-Furans				0.910	10.000	29.275		0.000		190.43		0.131	191
46 Total Hexa-Furans				0.922	10.000	33.555		0.000		419.15		0.271	419
47 Total Hepta-Furans				0.871	10.000	37.835		0.000		206.32		0.349	206

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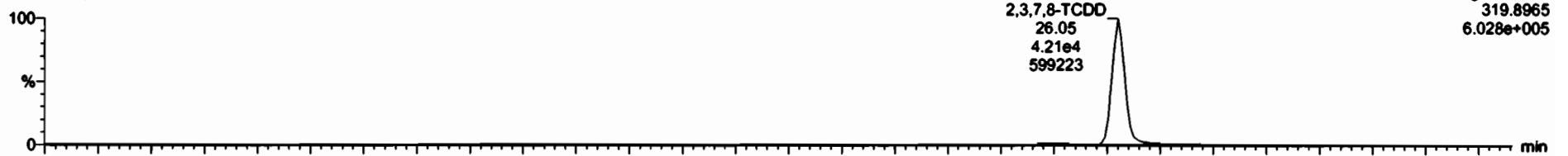
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Printed: Wednesday, May 20, 2020 07:20:02 Pacific Daylight Time

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Calibration: U:\VG12.PRO\CurveDB\ldb5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

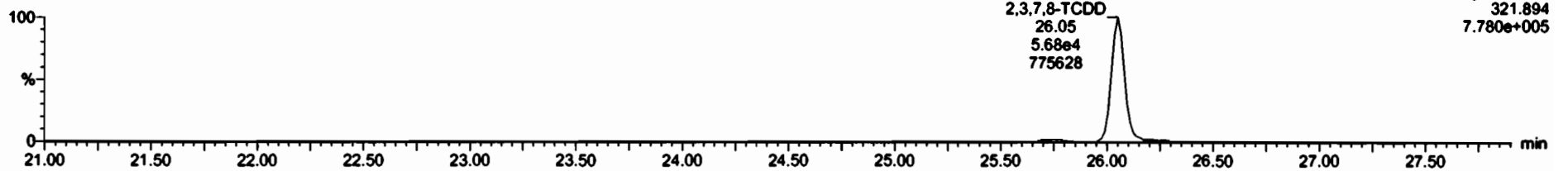
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2,3,7,8-TCDD

200519R2_3

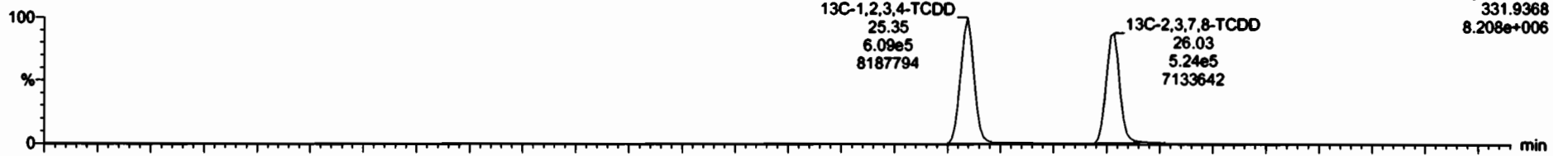


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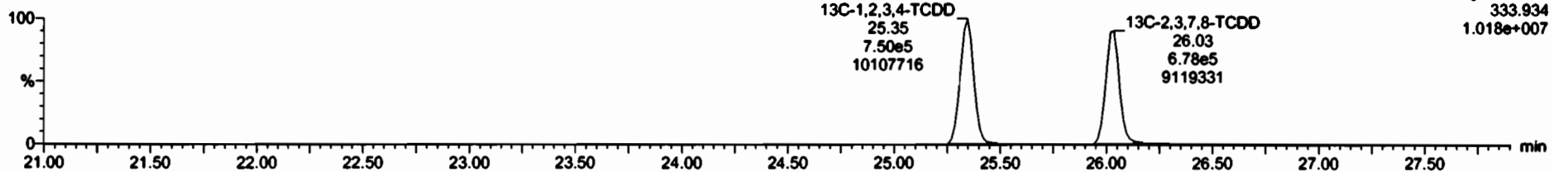


13C-2,3,7,8-TCDD

200519R2_3



200519R2_3



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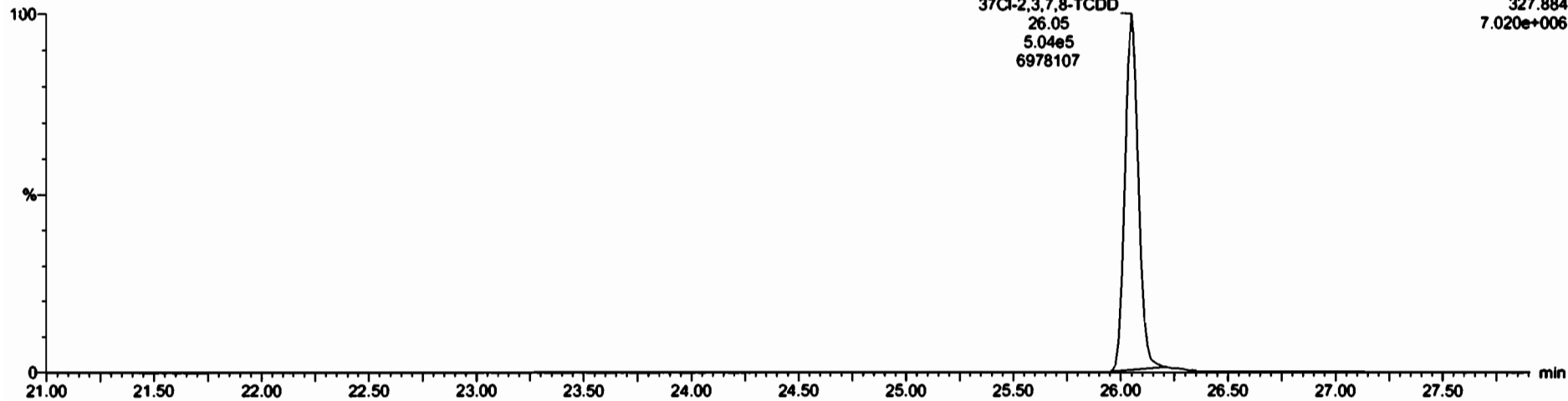
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37Cl-2,3,7,8-TCDD

200519R2_3

37Cl-2,3,7,8-TCDD
26.05
5.04e5
6978107

F1:Voltage SIR,EI+
327.884
7.020e+006



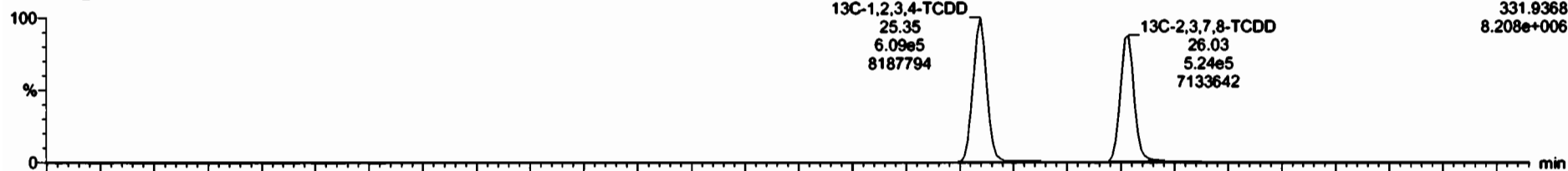
13C-1,2,3,4-TCDD

200519R2_3

13C-1,2,3,4-TCDD
25.35
6.09e5
8187794

13C-2,3,7,8-TCDD
26.03
5.24e5
7133642

F1:Voltage SIR,EI+
331.9368
8.208e+006

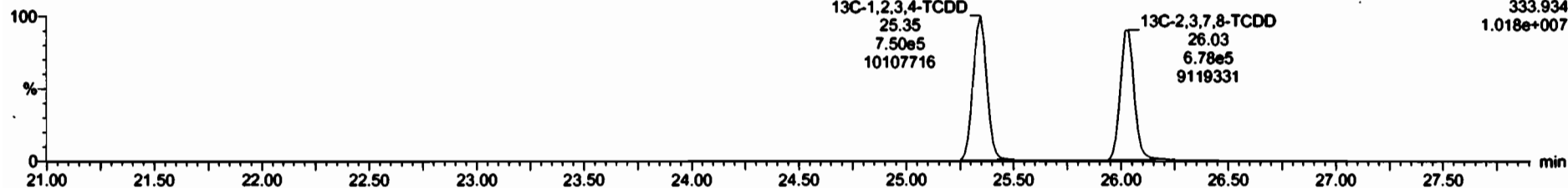


200519R2_3

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25.35
7.50e5
10107716

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6.78e5
9119331

F1:Voltage SIR,EI+
333.934
1.018e+007



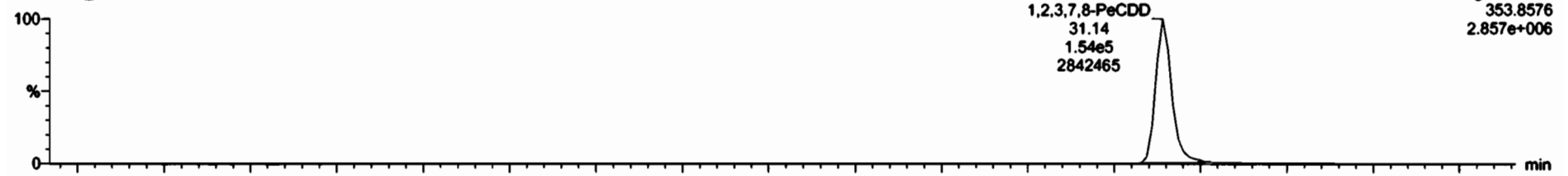
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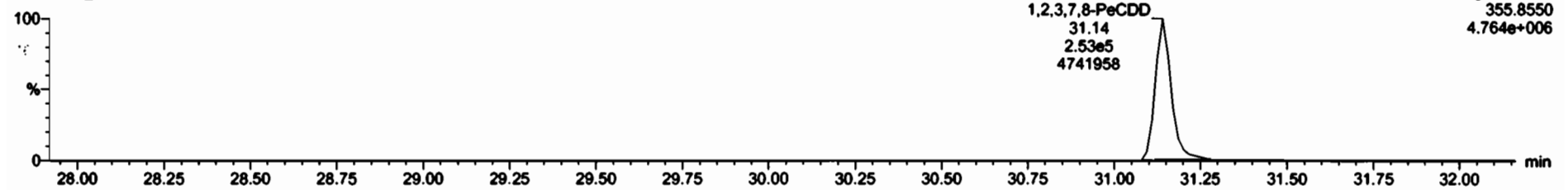
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1,2,3,7,8-PeCDD

200519R2_3

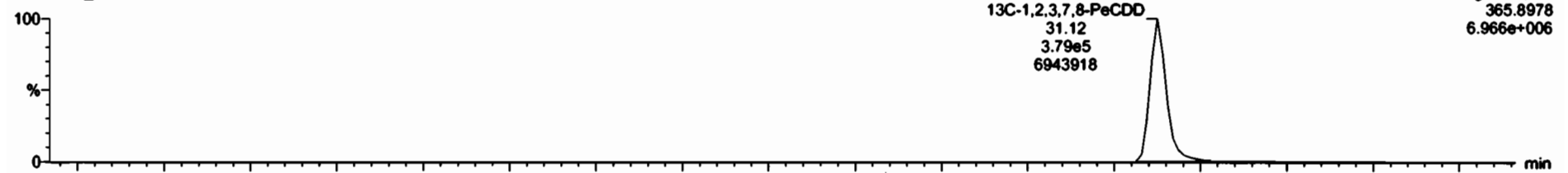


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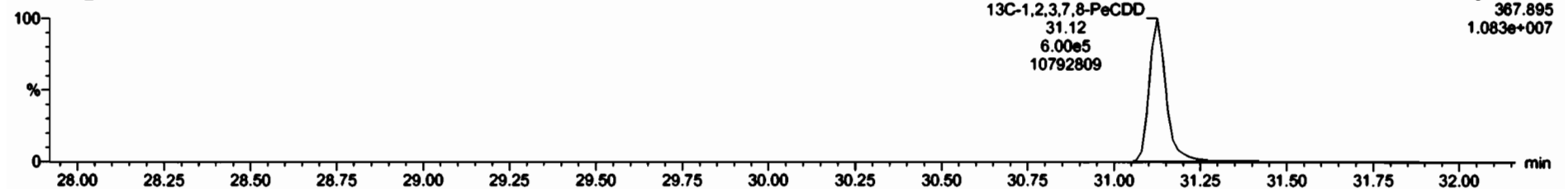


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200519R2_3



200519R2_3



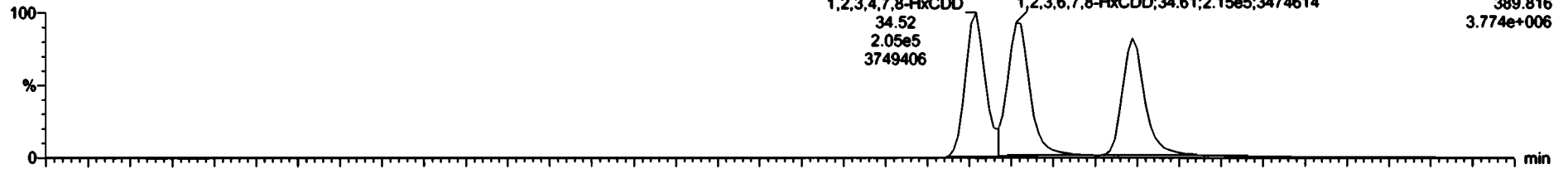
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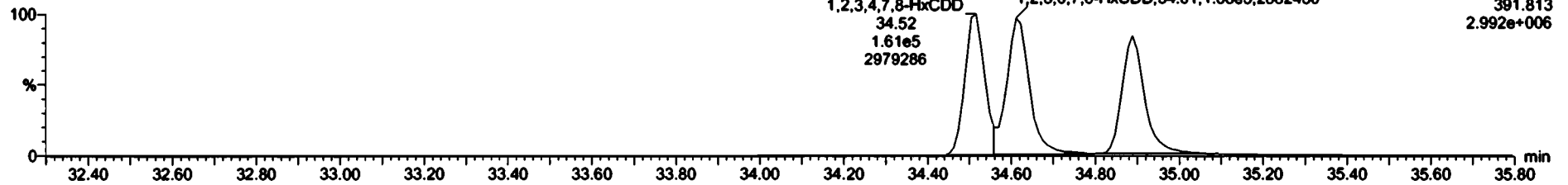
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1,2,3,4,7,8-HxCDD

200519R2_3



200519R2_3

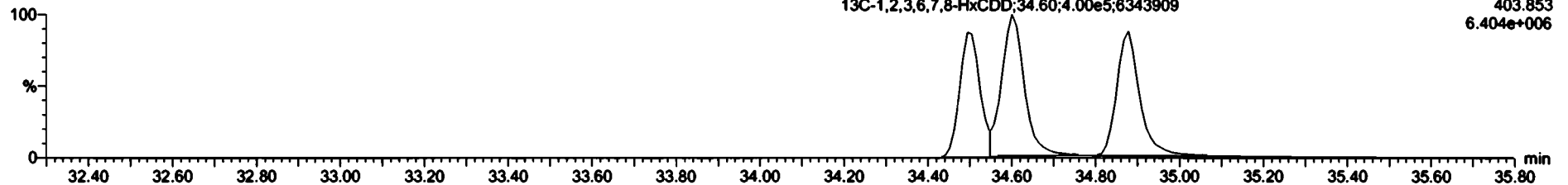


13C-1,2,3,4,7,8-HxCDD

200519R2_3



200519R2_3

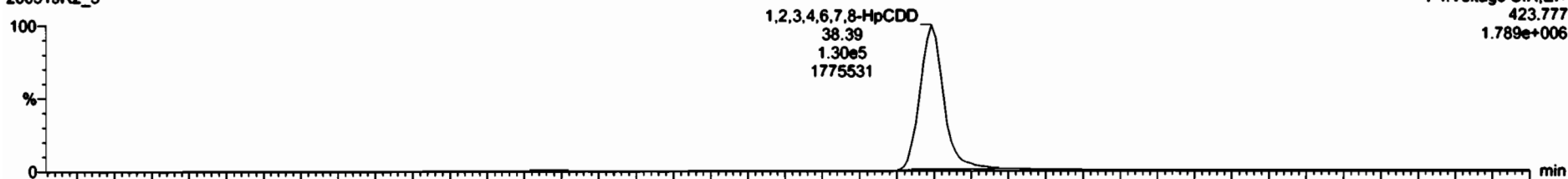


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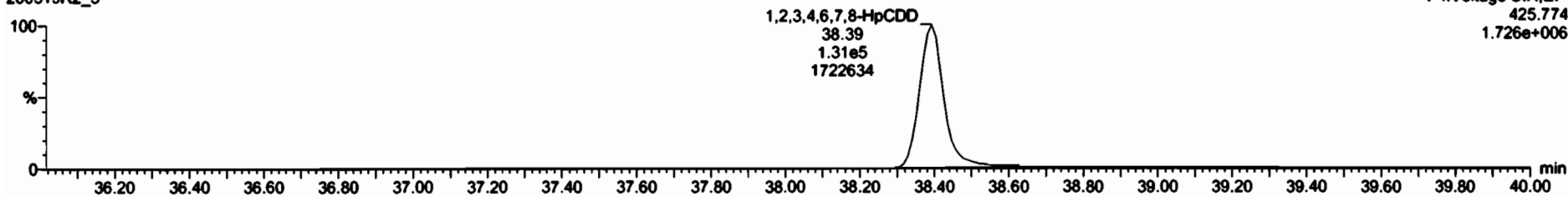
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1,2,3,4,6,7,8-HpCDD
200519R2_3



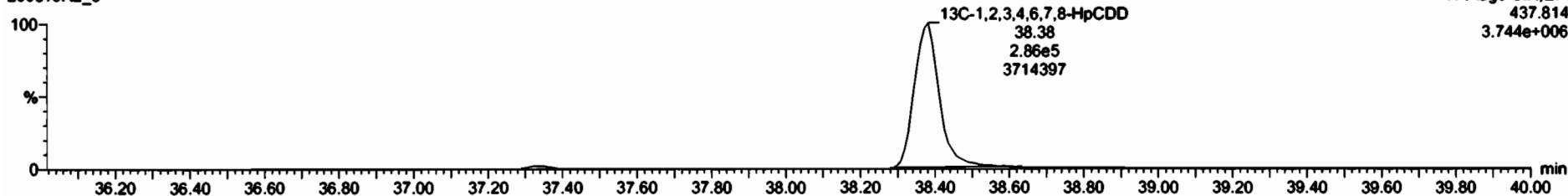
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13C-1,2,3,4,6,7,8-HpCDD
200519R2_3



200519R2_3



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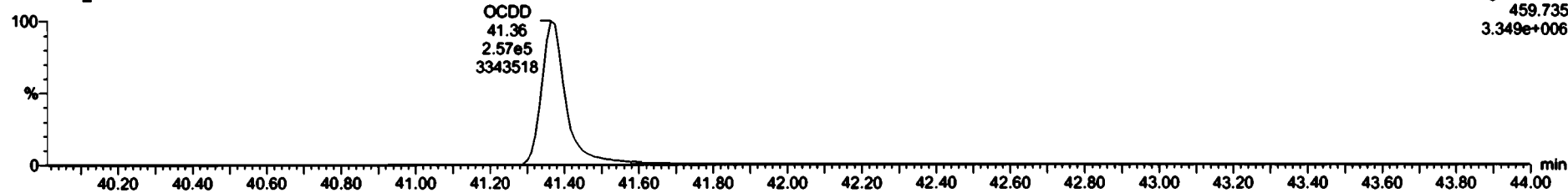
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OCDD

200519R2_3



2:0519R2_3

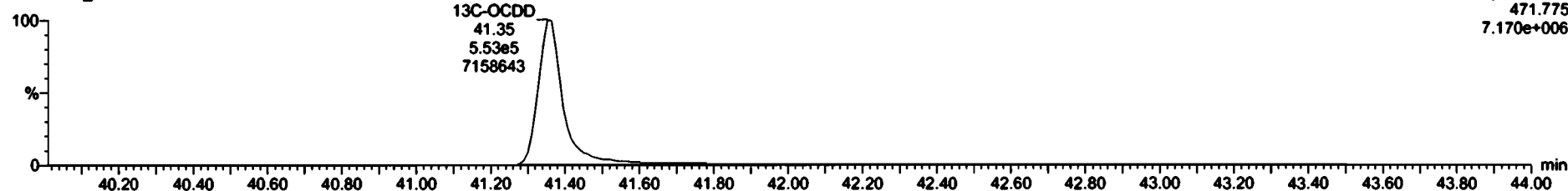


13C-OCDD

200519R2_3



200519R2_3



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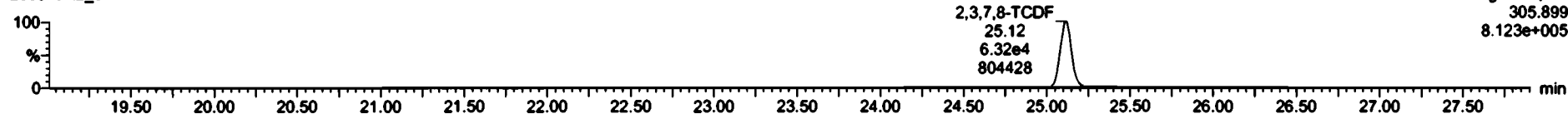
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2,3,7,8-TCDF

200519R2_3

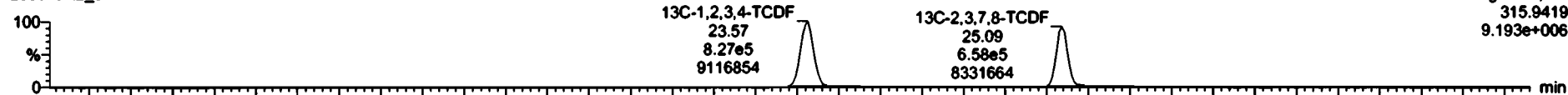


200519R2_3

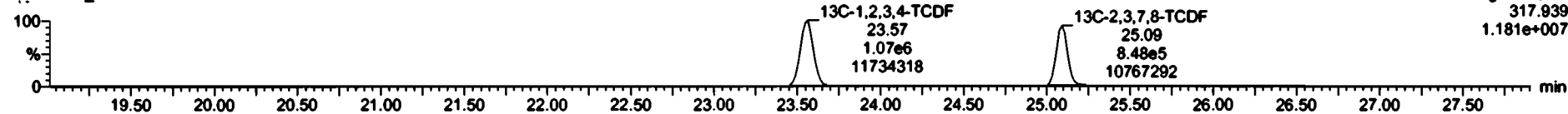


13C-2,3,7,8-TCDF

200519R2_3

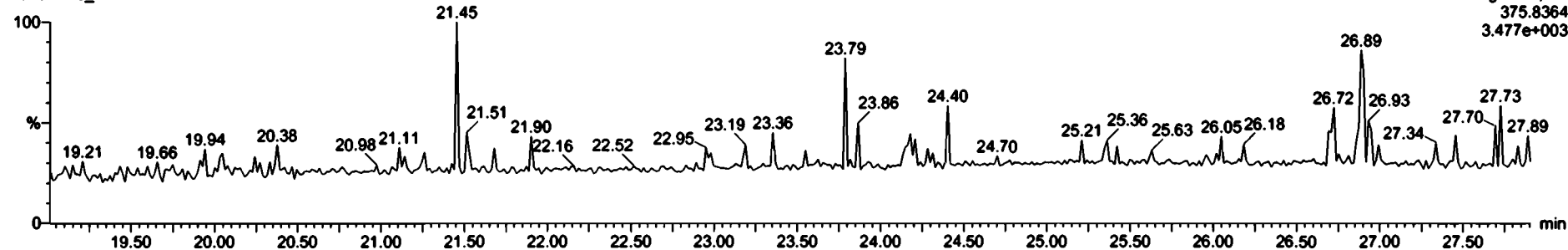


200519R2_3



DPE1

200519R2_3



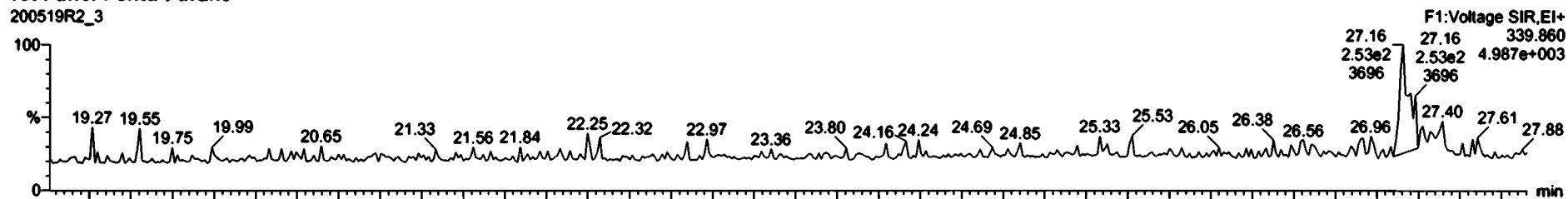
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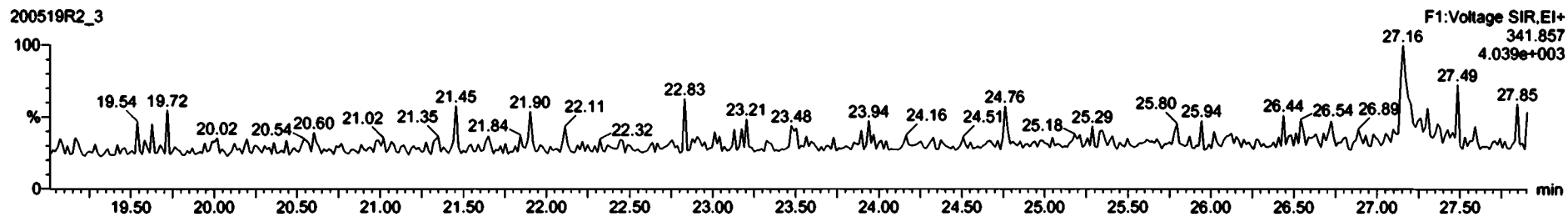
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1st Func. Penta-Furans

200519R2_3

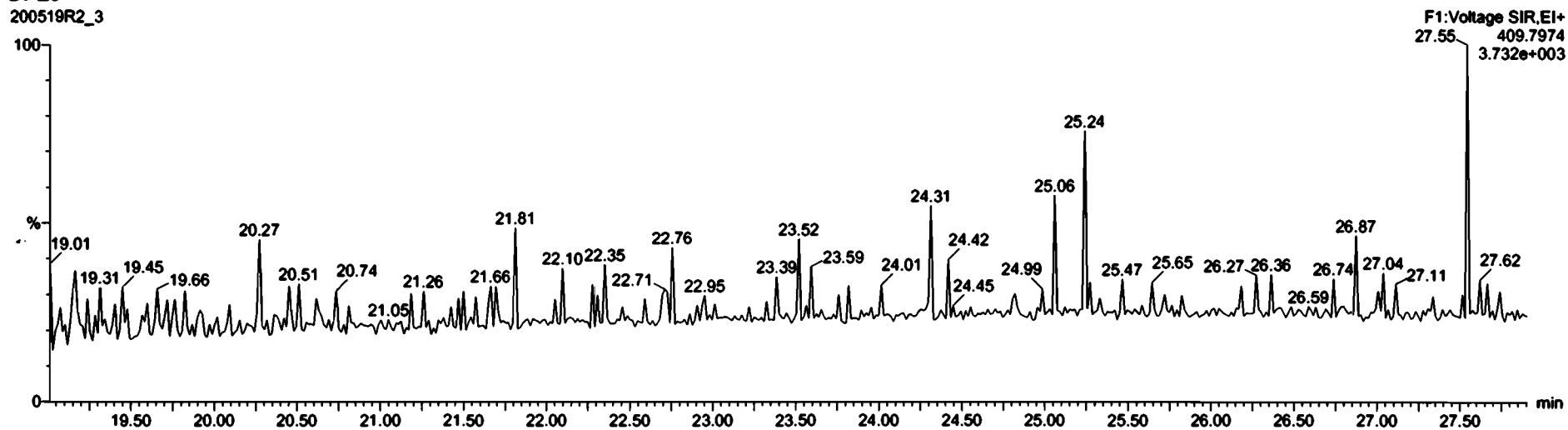


200519R2_3



DPE6

200519R2_3



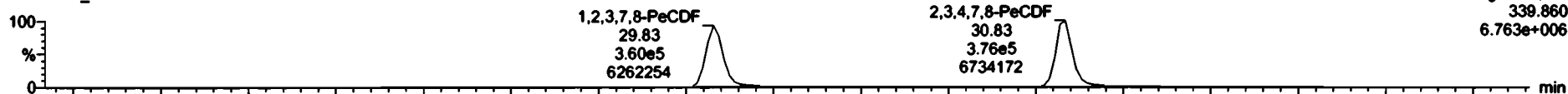
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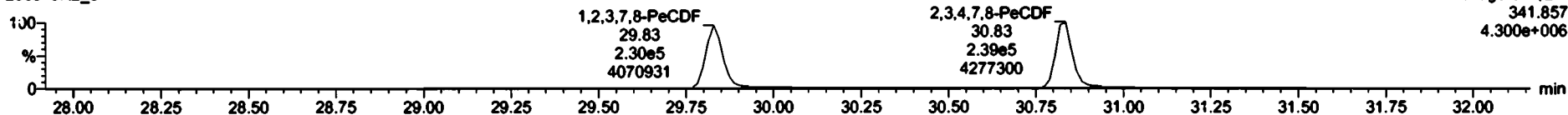
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1,2,3,7,8-PeCDF

200519R2_3

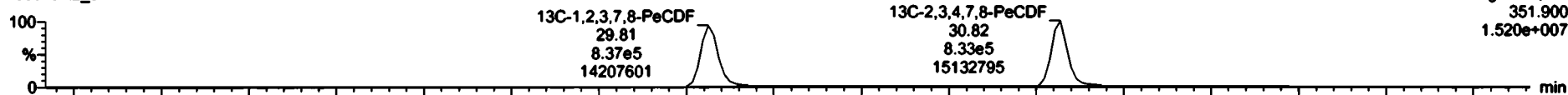


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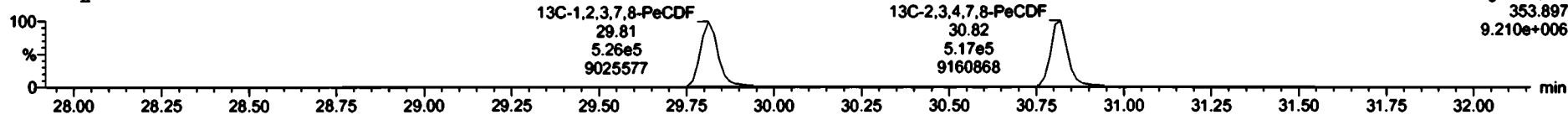


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200519R2_3

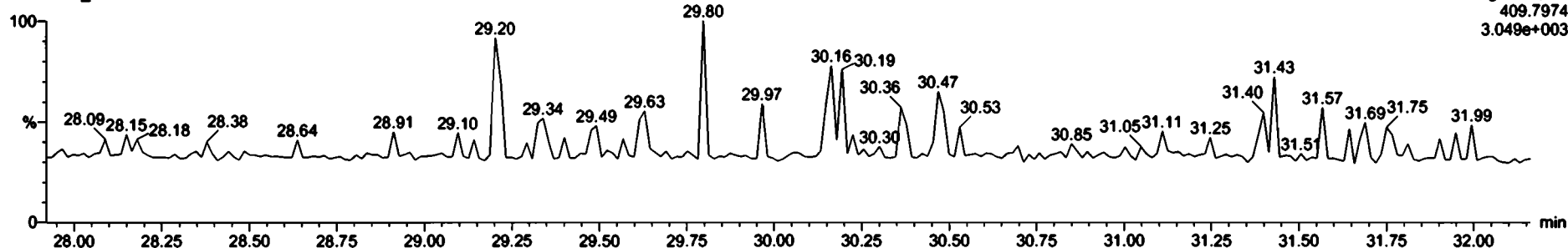


200519R2_3



DPE2

200519R2_3



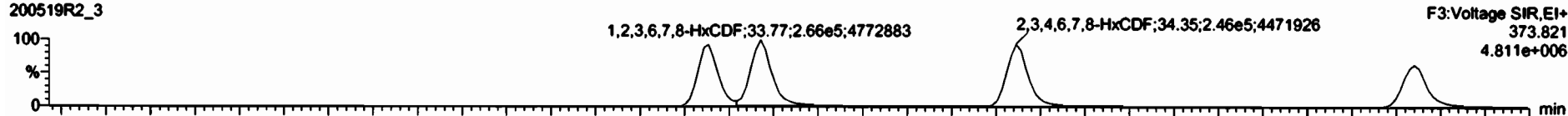
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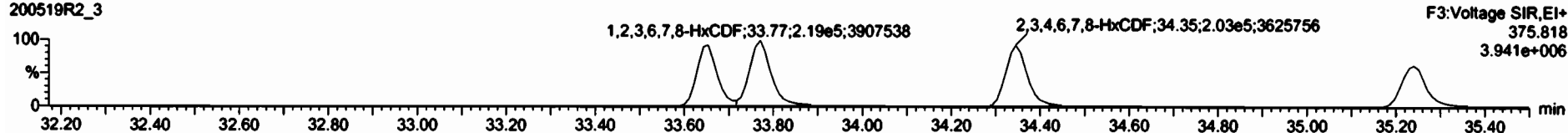
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1,2,3,4,7,8-HxCDF

200519R2_3

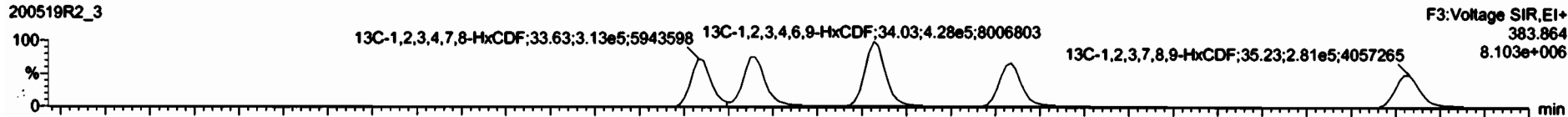


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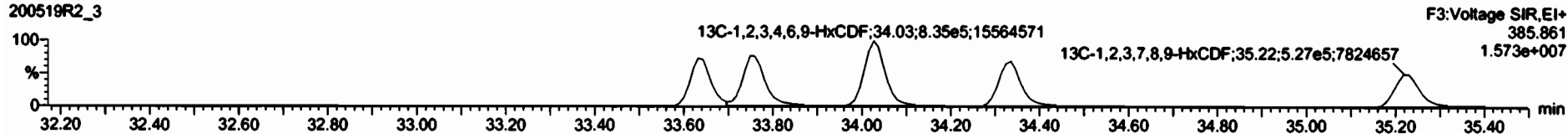


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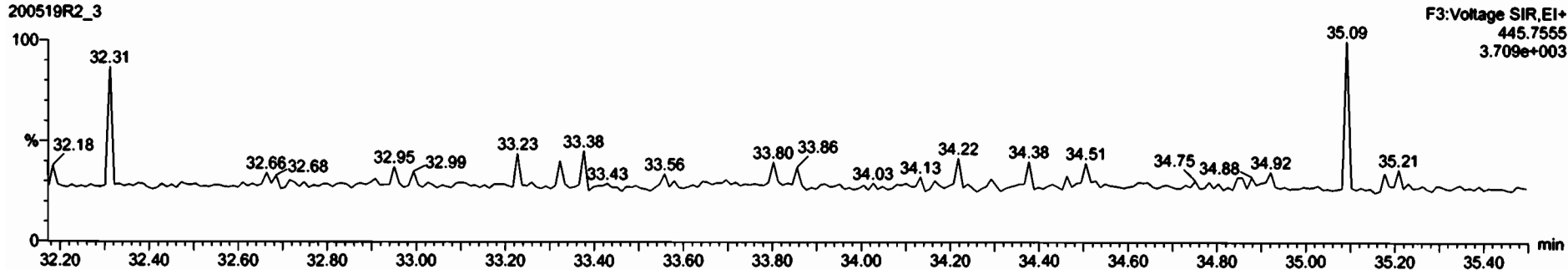


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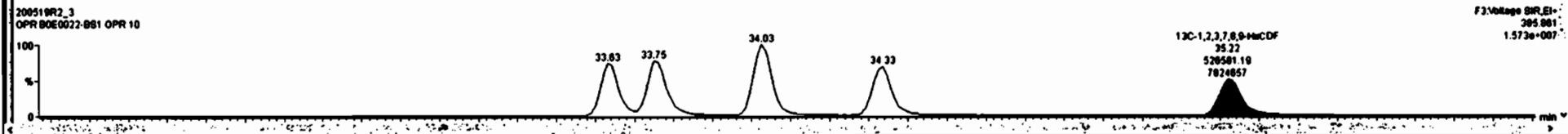
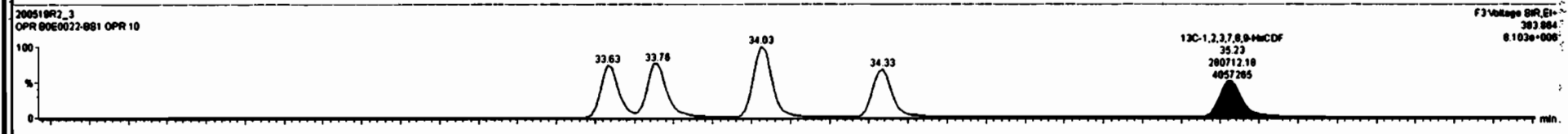
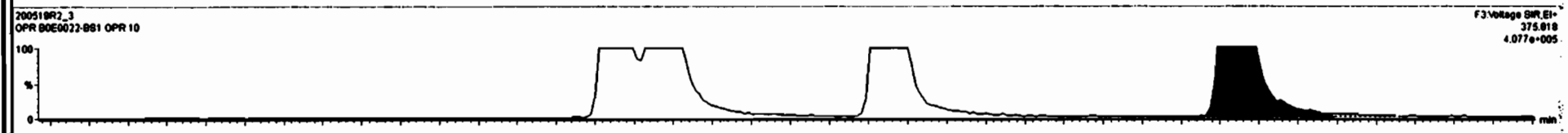
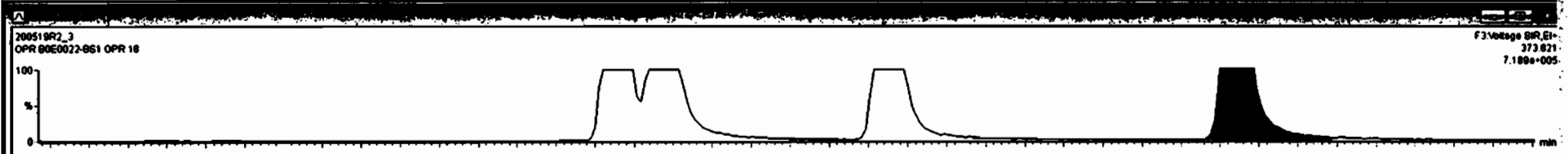
DPE3

200519R2_3



Name	Range	RA	adj	RFV	width	RT	RRT	Comp.	StRes	EL	StPC
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14											
16	1,2,3,4,5,7,8-MeCDF	3.10e5	1.01	NO	0.8712	10.000	36.87	1.000	104	0.300	104

Name	RT	adj Range	adj Comp.	RA	adj	StPC	Comp.



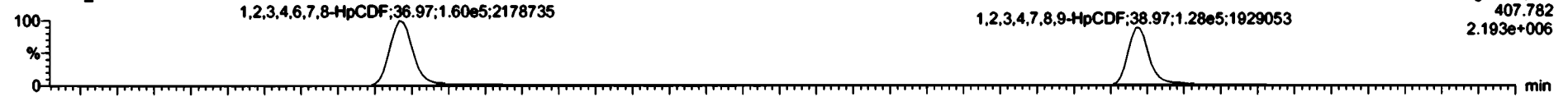
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Printed: Wednesday, May 20, 2020 07:20:02 Pacific Daylight Time

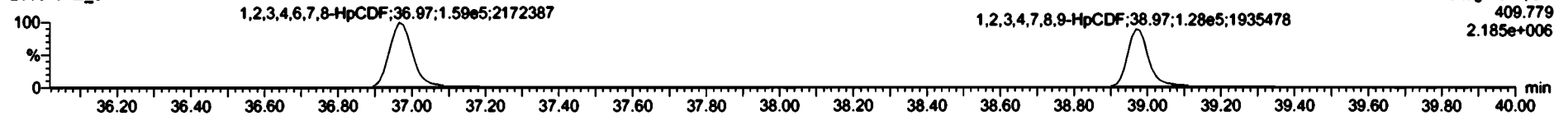
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200519R2_3

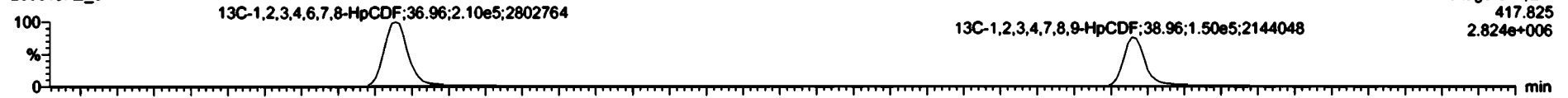


200519R2_3

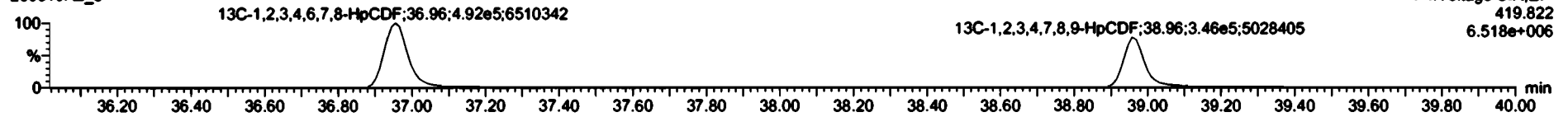


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200519R2_3

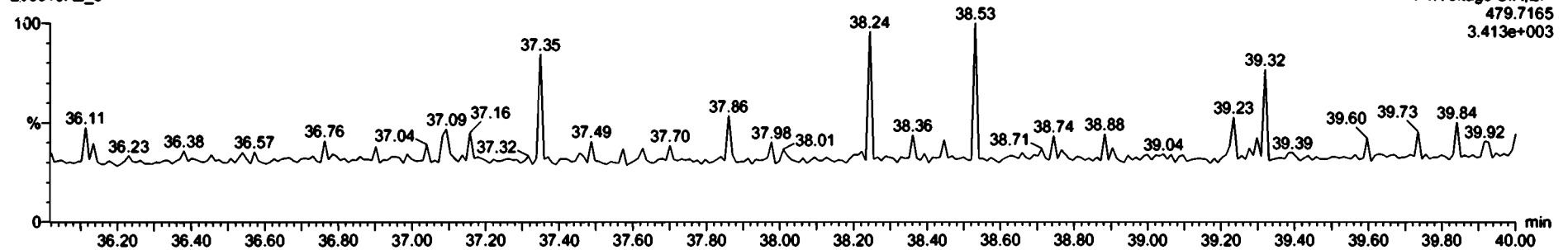


200519R2_3



DPE4

200519R2_3



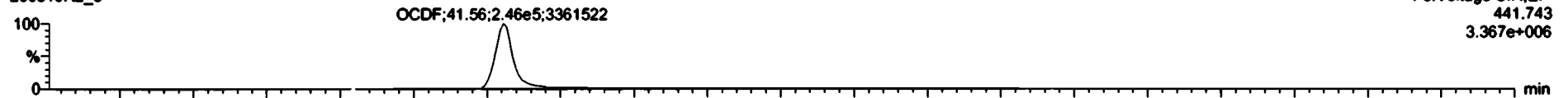
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Printed: Wednesday, May 20, 2020 07:20:02 Pacific Daylight Time

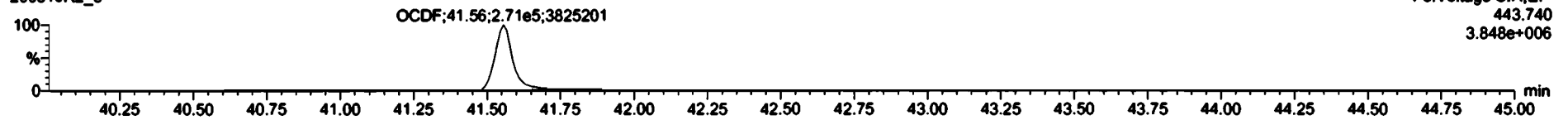
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OCDF

200519R2_3

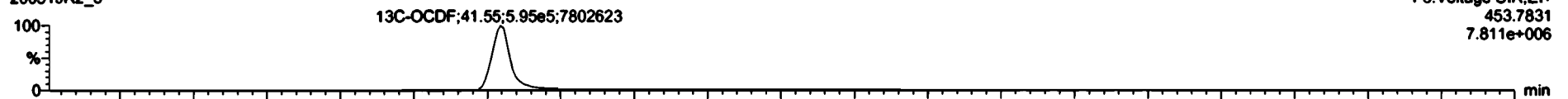


200519R2_3

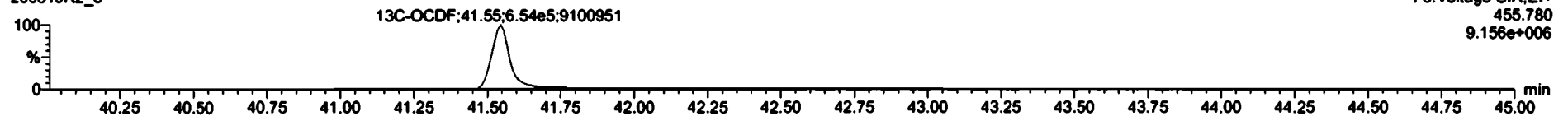


13C-OCDF

200519R2_3

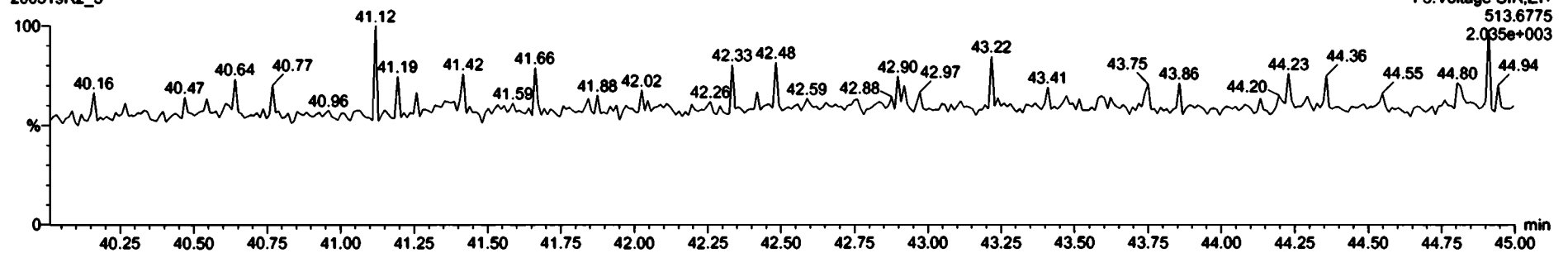


200519R2_3



DPES

200519R2_3

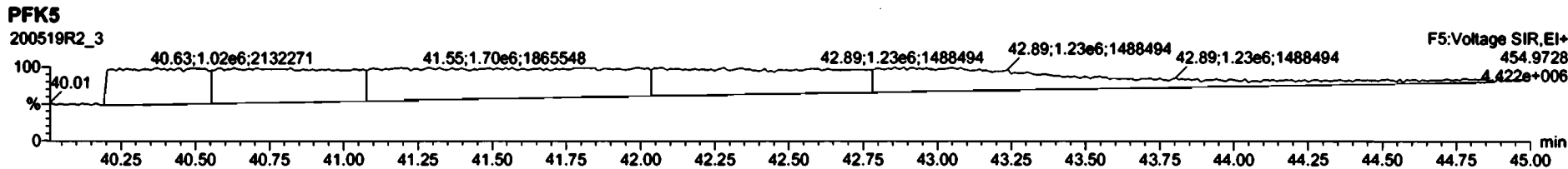
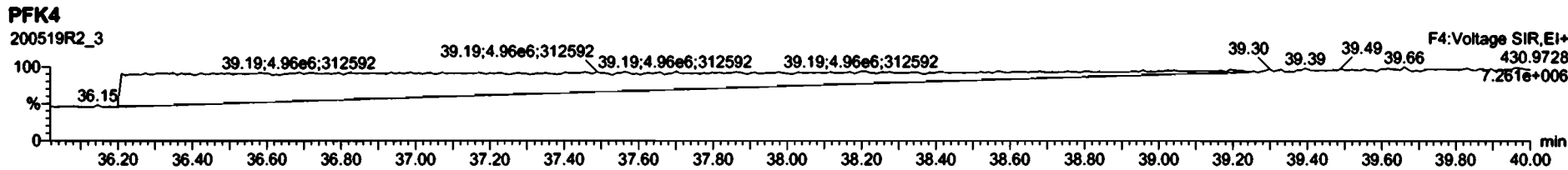
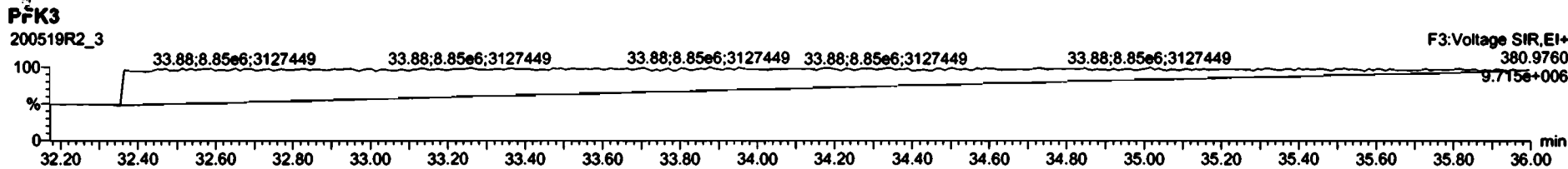
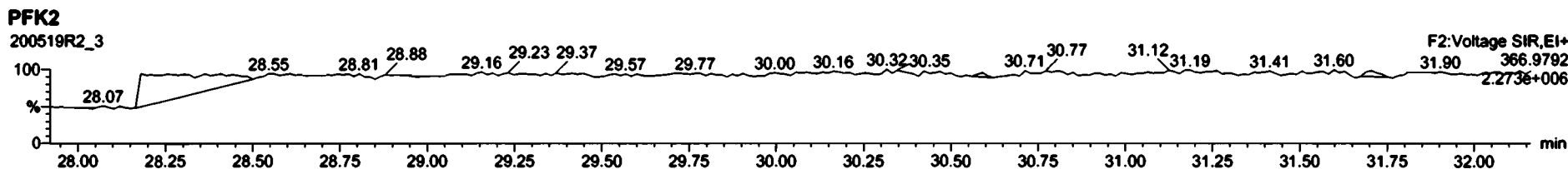
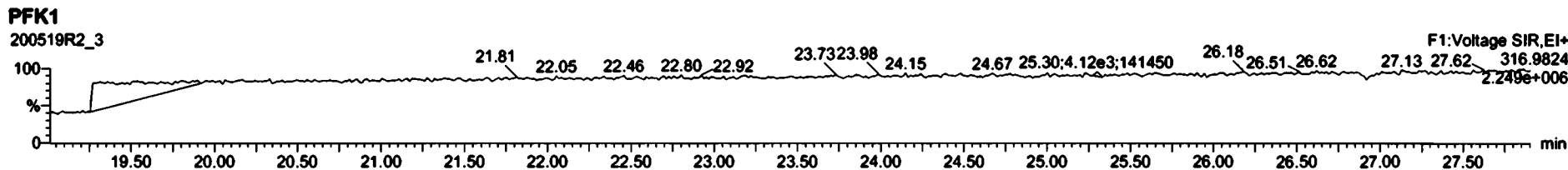


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Printed: Wednesday, May 20, 2020 07:20:02 Pacific Daylight Time

Name: 200519R2_3, Date: 19-May-2020, Time: 15:04:59, ID: B0E0022-BS1 OPR 10, Description: OPR



Dataset: U:\VG12.PRO\Results\200519R2\200519R2-6.qld

Last Altered: Wednesday, May 20, 2020 12:06:28 Pacific Daylight Time
Printed: Wednesday, May 20, 2020 12:08:44 Pacific Daylight Time

PL 05/20/2020

CT 06/02/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
Calibration: U:\VG12.PRO\CurveDB\cb5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200519R2_6, Date: 19-May-2020, Time: 17:23:34, ID: 2000957-01 PDI-1147SC-A-13-14-200425 17.36, Description: PDI-1147SC-A-13-14-200425

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	7.52e3	0.67	NO	0.947	10.040	26.066	26.05	1.001	1.001	1.1685		0.115	1.17
2	1,2,3,7,8-PeCDD	1.27e4	0.60	NO	0.942	10.040	31.147	31.14	1.001	1.000	2.4240		0.102	2.42
3	1,2,3,4,7,8-HxCDD	1.24e4	1.38	NO	1.06	10.040	34.516	34.53	1.000	1.001	2.9501		0.227	2.95
4	1,2,3,6,7,8-HxCDD	1.01e5	1.28	NO	0.915	10.040	34.612	34.62	1.000	1.000	22.217		0.224	22.2
5	1,2,3,7,8,9-HxCDD	3.63e4	1.28	NO	0.915	10.040	34.899	34.89	1.000	1.000	8.9832		0.276	8.98
6	1,2,3,4,6,7,8-HpCDD	1.39e6	1.03	NO	0.898	10.040	38.394	38.39	1.000	1.000	495.09		0.842	495
7	OCDD	9.90e6	0.88	NO	0.933	10.040	41.364	41.38	1.000	1.000	4891.4		1.14	4890
8	2,3,7,8-TCDF	3.08e5	0.76	NO	0.787	10.040	25.117	25.12	1.001	1.001	46.310	(39.7)	0.153	46.3
9	1,2,3,7,8-PeCDF	9.01e5	1.55	NO	0.910	10.040	29.834	29.83	1.001	1.001	122.08		0.294	122
10	2,3,4,7,8-PeCDF	3.58e5	1.53	NO	0.966	10.040	30.851	30.83	1.001	1.000	48.541		0.260	48.5
11	1,2,3,4,7,8-HxCDF	1.39e6	1.21	NO	0.878	10.040	33.643	33.65	1.000	1.000	287.97		0.260	288
12	1,2,3,6,7,8-HxCDF	4.27e5	1.24	NO	0.874	10.040	33.770	33.78	1.000	1.001	78.242		0.254	78.2
13	2,3,4,6,7,8-HxCDF	8.65e4	1.18	NO	0.922	10.040	34.369	34.35	1.001	1.000	18.001		0.289	18.0
14	1,2,3,7,8,9-HxCDF	1.56e4	1.25	NO	0.864	10.040	35.230	35.25	1.000	1.001	3.7713		0.387	3.77
15	1,2,3,4,6,7,8-HpCDF	5.05e5	1.01	NO	0.871	10.040	37.003	36.98	1.001	1.000	150.37		0.405	150
16	1,2,3,4,7,8,9-HpCDF	1.01e5	0.99	NO	1.01	10.040	38.968	38.98	1.000	1.000	37.615		0.455	37.6
17	OCDF	7.50e5	0.86	NO	0.802	10.040	41.545	41.56	1.000	1.000	317.55		0.325	318
18	13C-2,3,7,8-TCDD	1.35e6	0.78	NO	1.16	10.040	26.015	26.03	1.026	1.027	179.24	90.0	0.179	
19	13C-1,2,3,7,8-PeCDD	1.11e6	0.63	NO	0.847	10.040	31.105	31.13	1.227	1.228	200.55	101	0.190	
20	13C-1,2,3,4,7,8-HxCDD	7.87e5	1.27	NO	0.750	10.040	34.517	34.51	1.014	1.014	166.56	83.6	0.311	
21	13C-1,2,3,6,7,8-HxCDD	9.89e5	1.25	NO	0.963	10.040	34.629	34.61	1.017	1.017	162.92	81.8	0.242	
22	13C-1,2,3,7,8,9-HxCDD	8.80e5	1.28	NO	0.838	10.040	34.898	34.89	1.025	1.025	166.67	83.7	0.279	
23	13C-1,2,3,4,6,7,8-HpCDD	6.25e5	1.04	NO	0.641	10.040	38.390	38.38	1.128	1.128	154.50	77.6	0.292	
24	13C-OCDD	8.64e5	0.91	NO	0.586	10.040	41.386	41.36	1.216	1.215	233.80	58.7	0.296	
25	13C-2,3,7,8-TCDF	1.68e6	0.77	NO	1.03	10.040	25.075	25.09	0.989	0.990	173.48	87.1	0.275	
26	13C-1,2,3,7,8-PeCDF	1.62e6	1.59	NO	0.845	10.040	29.794	29.81	1.176	1.176	203.85	102	0.383	
27	13C-2,3,4,7,8-PeCDF	1.52e6	1.61	NO	0.814	10.040	30.785	30.82	1.215	1.216	199.34	100	0.397	
28	13C-1,2,3,4,7,8-HxCDF	1.10e6	0.51	NO	1.00	10.040	33.656	33.64	0.989	0.988	172.99	86.8	0.364	
29	13C-1,2,3,6,7,8-HxCDF	1.24e6	0.51	NO	1.14	10.040	33.778	33.76	0.992	0.992	173.38	87.0	0.322	
30	13C-2,3,4,6,7,8-HxCDF	1.04e6	0.50	NO	1.02	10.040	34.347	34.33	1.009	1.009	161.21	80.9	0.358	
31	13C-1,2,3,7,8,9-HxCDF	9.54e5	0.50	NO	0.845	10.040	35.239	35.23	1.035	1.035	179.20	90.0	0.433	

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-6.qld

Last Altered: Wednesday, May 20, 2020 12:06:28 Pacific Daylight Time

Printed: Wednesday, May 20, 2020 12:08:44 Pacific Daylight Time

Name: 200519R2_6, Date: 19-May-2020, Time: 17:23:34, ID: 2000957-01 PDI-1147SC-A-13-14-200425 17.36, Description: PDI-1147SC-A-13-14-200425

#	Name	Resp	RA	n/y	RRF	wt/vol	Prod.RT	Ref.RT	RR1	RR2	RR3	RR4	RR5	RR6	RR7	RR8	RR9	RR10
32	13C-1,2,3,4,6,7,8-HpCDF	7.68e5	0.45	NO	0.771	10.040	36.971	36.97	1.086	1.086	157.92	79.3	0.308					
33	13C-1,2,3,4,7,8,9-HpCDF	5.29e5	0.41	NO	0.482	10.040	38.983	38.97	1.145	1.145	174.13	87.4	0.492					
34	13C-OCDF	1.17e6	0.91	NO	0.669	10.040	41.556	41.54	1.221	1.221	278.33	69.9	0.269					
35	37Cl-2,3,7,8-TCDD	6.09e5			1.10	10.040	26.046	26.05	1.028	1.028	85.108	107	0.0630					
36	13C-1,2,3,4-TCDD	1.30e6	0.79	NO	1.00	10.040	25.350	25.35	1.000	1.000	199.20	100	0.207					
37	13C-1,2,3,4-TCDF	1.87e6	0.79	NO	1.00	10.040	23.560	23.57	1.000	1.000	199.20	100	0.285					
38	13C-1,2,3,4,6,9-HxCDF	1.26e6	0.52	NO	1.00	10.040	34.000	34.04	1.000	1.000	199.20	100	0.366					
39	Total Tetra-Dioxins				0.947	10.040	24.620		0.000		10.816		0.115					11.5
40	Total Penta-Dioxins				0.942	10.040	29.960		0.000		21.597		0.102					21.6
41	Total Hexa-Dioxins				0.915	10.040	33.635		0.000		182.67		0.253					184
42	Total Hepta-Dioxins				0.898	10.040	37.640		0.000		1113.2		0.842					1110
43	Total Tetra-Furans				0.787	10.040	23.610		0.000		156.43		0.153					157
44	1st Func. Penta-Furans				0.910	10.040	27.090		0.000		31.794		0.0245					31.8
45	Total Penta-Furans				0.910	10.040	29.275		0.000		305.37		0.285					306
46	Total Hexa-Furans				0.922	10.040	33.555		0.000		541.02		0.281					541
47	Total Hepta-Furans				0.871	10.040	37.835		0.000		423.66		0.456					424

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-6.qld

Last Altered: Wednesday, May 20, 2020 12:06:28 Pacific Daylight Time
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Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
Calibration: U:\VG12.PRO\CurveDB\cb5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200519R2_6, Date: 19-May-2020, Time: 17:23:34, ID: 2000957-01 PDI-1147SC-A-13-14-200425 17.36, Description: PDI-1147SC-A-13-14-200425

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	21.86	8.819e4	1.013e5	7.825e3	9.871e3	0.79	NO	1.770e4	2.7477	2.7477	0.115
2	Total Tetra-Dioxins	22.28	3.581e4	4.518e4	3.285e3	4.238e3	0.78	NO	7.523e3	1.1681	1.1681	0.115
3	Total Tetra-Dioxins	22.80	1.623e4	2.061e4	1.546e3	1.967e3	0.79	NO	3.513e3	0.54557	0.54557	0.115
4	Total Tetra-Dioxins	23.75	1.195e4	1.954e4	1.164e3	1.765e3	0.66	NO	2.929e3	0.45478	0.45478	0.115
5	Total Tetra-Dioxins	24.01	2.162e4	2.258e4	1.755e3	2.218e3	0.79	NO	3.973e3	0.61690	0.61690	0.115
6	Total Tetra-Dioxins	24.25	2.816e4	4.205e4	2.636e3	3.671e3	0.72	NO	6.306e3	0.97923	0.97923	0.115
7	Total Tetra-Dioxins	24.49	9.563e3	1.174e4	6.370e2	8.729e2	0.73	NO	1.510e3	0.23446	0.23446	0.115
8	Total Tetra-Dioxins	24.76	1.074e4	1.452e4	7.207e2	1.130e3	0.64	YES	0.000e0	0.00000	0.25725	0.115
9	Total Tetra-Dioxins	24.94	1.267e4	1.227e4	8.158e2	1.065e3	0.77	NO	1.881e3	0.29204	0.29204	0.115
10	Total Tetra-Dioxins	25.32	1.111e4	1.407e4	9.397e2	1.147e3	0.82	NO	2.087e3	0.32404	0.32404	0.115
11	Total Tetra-Dioxins	25.78	8.500e4	9.467e4	6.446e3	8.265e3	0.78	NO	1.471e4	2.2844	2.2844	0.115
12	2,3,7,8-TCDD	26.05	4.127e4	6.028e4	3.023e3	4.502e3	0.67	NO	7.525e3	1.1685	1.1685	0.115
13	Total Tetra-Dioxins	26.39	1.674e4	1.627e4	9.858e2	1.071e3	0.92	YES	0.000e0	0.00000	0.29429	0.115
14	Total Tetra-Dioxins	26.54	4.165e3	4.398e3	2.785e2	2.287e2	1.22	YES	0.000e0	0.00000	0.062859	0.115
15	Total Tetra-Dioxins	27.05	6.297e3	6.170e3	3.253e2	3.366e2	0.97	YES	0.000e0	0.00000	0.092510	0.115

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.88	1.445e5	2.483e5	1.224e4	2.036e4	0.60	NO	3.260e4	6.2246	6.2246	0.102
2	Total Penta-Dioxins	29.37	4.705e4	7.361e4	2.753e3	3.869e3	0.71	NO	6.622e3	1.2644	1.2644	0.102
3	Total Penta-Dioxins	29.87	1.103e5	1.641e5	6.371e3	9.739e3	0.65	NO	1.611e4	3.0759	3.0759	0.102
4	Total Penta-Dioxins	30.06	1.035e5	1.589e5	5.591e3	9.362e3	0.60	NO	1.495e4	2.8551	2.8551	0.102
5	Total Penta-Dioxins	30.13	5.184e4	8.161e4	3.052e3	4.643e3	0.66	NO	7.695e3	1.4693	1.4693	0.102
6	Total Penta-Dioxins	30.36	6.541e4	9.598e4	5.487e3	8.055e3	0.68	NO	1.354e4	2.5858	2.5858	0.102
7	Total Penta-Dioxins	30.71	1.711e4	2.563e4	9.774e2	1.415e3	0.69	NO	2.393e3	0.45687	0.45687	0.102
8	1,2,3,7,8-PeCDD	31.14	8.667e4	1.371e5	4.748e3	7.947e3	0.60	NO	1.269e4	2.4240	2.4240	0.102
9	Total Penta-Dioxins	31.22	2.013e4	3.375e4	1.305e3	1.858e3	0.70	NO	3.163e3	0.60388	0.60388	0.102
10	Total Penta-Dioxins	31.52	2.160e4	4.097e4	1.304e3	2.034e3	0.64	NO	3.338e3	0.63738	0.63738	0.102

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-6.qld

Last Altered: Wednesday, May 20, 2020 12:06:28 Pacific Daylight Time
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Name: 200519R2_6, Date: 19-May-2020, Time: 17:23:34, ID: 2000957-01 PDI-1147SC-A-13-14-200425 17.36, Description: PDI-1147SC-A-13-14-200425

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	NY	Resp	Conc	EMPG	DL
Total Hexa-Dioxins	33.04	2.365e6	1.964e6	1.208e5	9.680e4	1.25	NO	2.176e5	53.525	53.525	0.253
Total Hexa-Dioxins	33.59	2.682e5	1.938e5	1.306e4	9.904e3	1.32	NO	2.297e4	5.6499	5.6499	0.253
Total Hexa-Dioxins	33.85	2.910e6	2.405e6	1.997e5	1.635e5	1.22	NO	3.632e5	89.343	89.343	0.253
1,2,3,4,7,8-HxCDD	34.53	1.296e5	1.034e5	7.206e3	5.203e3	1.38	NO	1.241e4	2.9501	2.9501	0.227
1,2,3,6,7,8-HxCDD	34.62	9.343e5	7.500e5	5.667e4	4.422e4	1.28	NO	1.009e5	22.217	22.217	0.224
Total Hexa-Dioxins	34.80	7.526e4	4.814e4	4.163e3	2.808e3	1.48	YES	0.000e0	0.00000	1.5470	0.253
1,2,3,7,8,9-HxCDD	34.89	3.132e5	2.571e5	2.040e4	1.591e4	1.28	NO	3.631e4	8.9832	8.9832	0.276

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	NY	Resp	Conc	EMPG	DL
Total Hepta-Dioxins	37.36	1.202e7	1.176e7	8.822e5	8.586e5	1.03	NO	1.741e6	618.10	618.10	0.842
1,2,3,4,6,7,8-HpCDD	38.39	9.438e6	9.237e6	7.067e5	6.877e5	1.03	NO	1.394e6	495.09	495.09	0.842

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-6.qld

Last Altered: Wednesday, May 20, 2020 12:06:28 Pacific Daylight Time
 Printed: Wednesday, May 20, 2020 12:08:44 Pacific Daylight Time

Name: 200519R2_6, Date: 19-May-2020, Time: 17:23:34, ID: 2000957-01 PDI-1147SC-A-13-14-200425 17.36, Description: PDI-1147SC-A-13-14-200425

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ry	Resp	Cond	EMPC	DU
Total Tetra-Furans	19.78	3.177e4	3.783e4	2.591e3	3.479e3	0.74	NO	6.070e3	0.91299	0.91299	0.153
Total Tetra-Furans	20.30	5.496e4	7.794e4	4.720e3	6.642e3	0.71	NO	1.136e4	1.7089	1.7089	0.153
Total Tetra-Furans	20.89	3.161e5	4.016e5	2.675e4	3.497e4	0.76	NO	6.171e4	9.2824	9.2824	0.153
Total Tetra-Furans	21.44	7.086e4	9.535e4	1.176e4	1.574e4	0.75	NO	2.751e4	4.1372	4.1372	0.153
Total Tetra-Furans	21.83	3.882e5	5.219e5	3.840e4	5.219e4	0.74	NO	9.059e4	13.625	13.625	0.153
Total Tetra-Furans	22.31	1.386e5	1.941e5	1.379e4	1.788e4	0.77	NO	3.167e4	4.7634	4.7634	0.153
Total Tetra-Furans	22.46	5.097e4	6.262e4	4.762e3	5.793e3	0.82	NO	1.056e4	1.5877	1.5877	0.153
Total Tetra-Furans	22.67	7.946e4	1.044e5	8.210e3	1.074e4	0.76	NO	1.895e4	2.8502	2.8502	0.153
Total Tetra-Furans	23.10	1.361e4	1.409e4	1.291e3	1.480e3	0.87	NO	2.771e3	0.41672	0.41672	0.153
Total Tetra-Furans	23.28	3.252e4	4.486e4	3.166e3	4.100e3	0.77	NO	7.266e3	1.0929	1.0929	0.153
Total Tetra-Furans	23.57	2.072e5	2.939e5	3.161e4	4.189e4	0.75	NO	7.350e4	11.056	11.056	0.153
Total Tetra-Furans	24.12	1.408e6	1.892e6	1.221e5	1.618e5	0.75	NO	2.838e5	42.693	42.693	0.153
Total Tetra-Furans	24.43	5.495e4	7.375e4	4.554e3	6.627e3	0.69	NO	1.118e4	1.6818	1.6818	0.153
Total Tetra-Furans	24.64	2.507e4	2.771e4	1.830e3	2.391e3	0.77	NO	4.221e3	0.63482	0.63482	0.153
Total Tetra-Furans	24.87	2.571e4	2.890e4	1.196e3	1.680e3	0.71	NO	2.876e3	0.43257	0.43257	0.153
Total Tetra-Furans	25.00	2.075e5	2.634e5	1.277e4	1.754e4	0.73	NO	3.031e4	4.5588	4.5588	0.153
2,3,7,8-TCDF	25.12	1.647e6	2.153e6	1.327e5	1.752e5	0.76	NO	3.079e5	46.310	46.310	0.153
Total Tetra-Furans	25.51	1.254e5	1.664e5	9.813e3	1.314e4	0.75	NO	2.296e4	3.4529	3.4529	0.153
Total Tetra-Furans	25.77	2.470e4	3.216e4	1.368e3	2.020e3	0.68	NO	3.387e3	0.50950	0.50950	0.153
Total Tetra-Furans	26.77	7.285e3	9.335e3	4.998e2	5.485e2	0.91	YES	0.000e0	0.00000	0.14603	0.153
Total Tetra-Furans	26.93	1.182e4	1.025e4	7.544e2	6.754e2	1.12	YES	0.000e0	0.00000	0.17982	0.153
Total Tetra-Furans	27.20	2.021e5	2.641e5	1.368e4	1.770e4	0.77	NO	3.138e4	4.7203	4.7203	0.153

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ry	Resp	Cond	EMPC	DU
1st Func. Penta-Furans	27.19	2.191e6	1.351e6	1.423e5	8.557e4	1.66	NO	2.278e5	31.794	31.794	0.0245

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-6.qld

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Name: 200519R2_6, Date: 19-May-2020, Time: 17:23:34, ID: 2000957-01 PDI-1147SC-A-13-14-200425 17.36, Description: PDI-1147SC-A-13-14-200425

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Wt %	Resp	Conc.	EMPC	DL
Total Penta-Furans	28.67	2.086e5	1.336e5	1.258e4	7.988e3	1.58	NO	2.057e4	2.8707	2.8707	0.285
Total Penta-Furans	28.82	4.316e6	2.752e6	2.894e5	1.870e5	1.55	NO	4.764e5	66.487	66.487	0.285
Total Penta-Furans	29.43	3.972e5	2.427e5	2.819e4	1.708e4	1.65	NO	4.526e4	6.3161	6.3161	0.285
Total Penta-Furans	29.65	7.701e5	5.023e5	4.099e4	2.585e4	1.59	NO	6.683e4	9.3267	9.3267	0.285
1,2,3,7,8-PeCDF	29.83	9.201e6	5.983e6	5.478e5	3.532e5	1.55	NO	9.010e5	122.08	122.08	0.294
Total Penta-Furans	30.10	3.272e6	2.114e6	1.793e5	1.145e5	1.57	NO	2.938e5	41.001	41.001	0.285
Total Penta-Furans	30.73	9.687e4	4.734e4	4.604e3	2.239e3	2.06	YES	0.000e0	0.00000	0.79681	0.285
2,3,4,7,8-PeCDF	30.83	3.645e6	2.342e6	2.169e5	1.414e5	1.53	NO	3.583e5	48.541	48.541	0.260
Total Penta-Furans	30.88	1.424e6	9.165e5	2.941e4	1.856e4	1.58	NO	4.797e4	6.6944	6.6944	0.285
Total Penta-Furans	31.78	1.557e5	1.071e5	8.934e3	5.756e3	1.55	NO	1.469e4	2.0499	2.0499	0.285

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Wt %	Resp	Conc.	EMPC	DL
Total Hexa-Furans	32.48	8.655e5	6.948e5	4.161e4	3.375e4	1.23	NO	7.536e4	15.039	15.039	0.281
Total Hexa-Furans	32.65	3.231e6	2.674e6	1.632e5	1.345e5	1.21	NO	2.977e5	59.413	59.413	0.281
Total Hexa-Furans	33.19	3.049e6	2.597e6	1.531e5	1.265e5	1.21	NO	2.796e5	55.794	55.794	0.281
1,2,3,4,7,8-HxCDF	33.65	1.432e7	1.186e7	7.610e5	6.303e5	1.21	NO	1.391e6	287.97	287.97	0.260
1,2,3,6,7,8-HxCDF	33.78	3.890e6	3.174e6	2.360e5	1.905e5	1.24	NO	4.266e5	78.242	78.242	0.254
2,3,4,6,7,8-HxCDF	34.35	8.541e5	7.084e5	4.687e4	3.968e4	1.18	NO	8.654e4	18.001	18.001	0.289
1,2,3,7,8,9-HxCDF	35.25	4.318e5	3.662e5	8.688e3	6.928e3	1.25	NO	1.561e4	3.7713	3.7713	0.387
Total Hexa-Furans	35.29	1.062e6	8.758e5	6.280e4	5.141e4	1.22	NO	1.142e5	22.792	22.792	0.281

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Wt %	Resp	Conc.	EMPC	DL
1,2,3,4,6,7,8-HpCDF	36.98	3.602e6	3.572e6	2.540e5	2.509e5	1.01	NO	5.049e5	150.37	150.37	0.405
Total Hepta-Furans	37.37	6.449e4	7.148e4	4.076e3	4.559e3	0.89	NO	8.635e3	3.0442	3.0442	0.456
Total Hepta-Furans	37.57	4.666e6	4.611e6	3.312e5	3.287e5	1.01	NO	6.599e5	232.63	232.63	0.456
1,2,3,4,7,8,9-HpCDF	38.98	8.232e5	7.826e5	5.033e4	5.080e4	0.99	NO	1.011e5	37.615	37.615	0.455

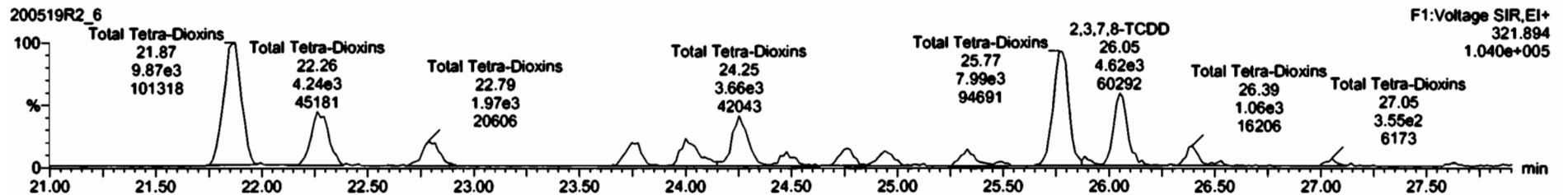
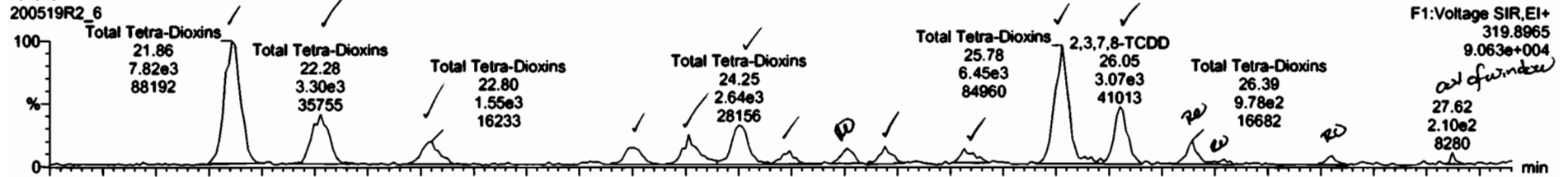
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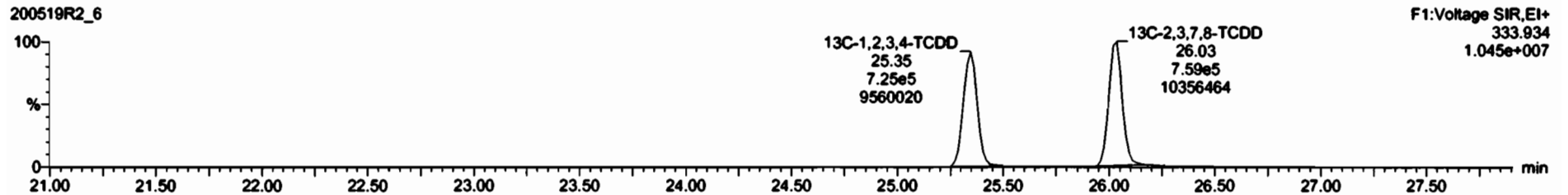
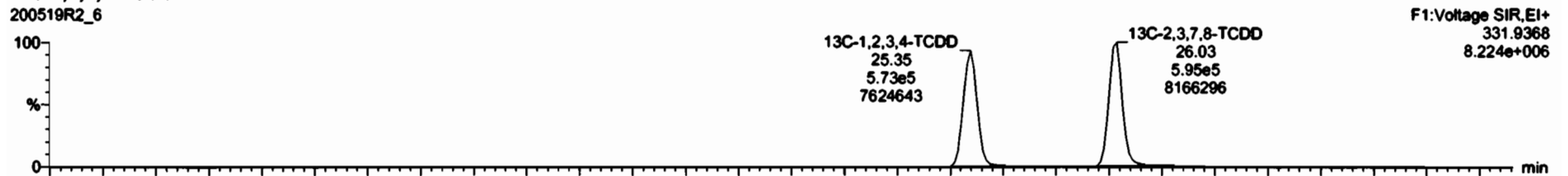
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Name: 200519R2_6, Date: 19-May-2020, Time: 17:23:34, ID: 2000957-01 PDI-1147SC-A-13-14-200425 17.36, Description: PDI-1147SC-A-13-14-200425

2,3,7,8-TCDD



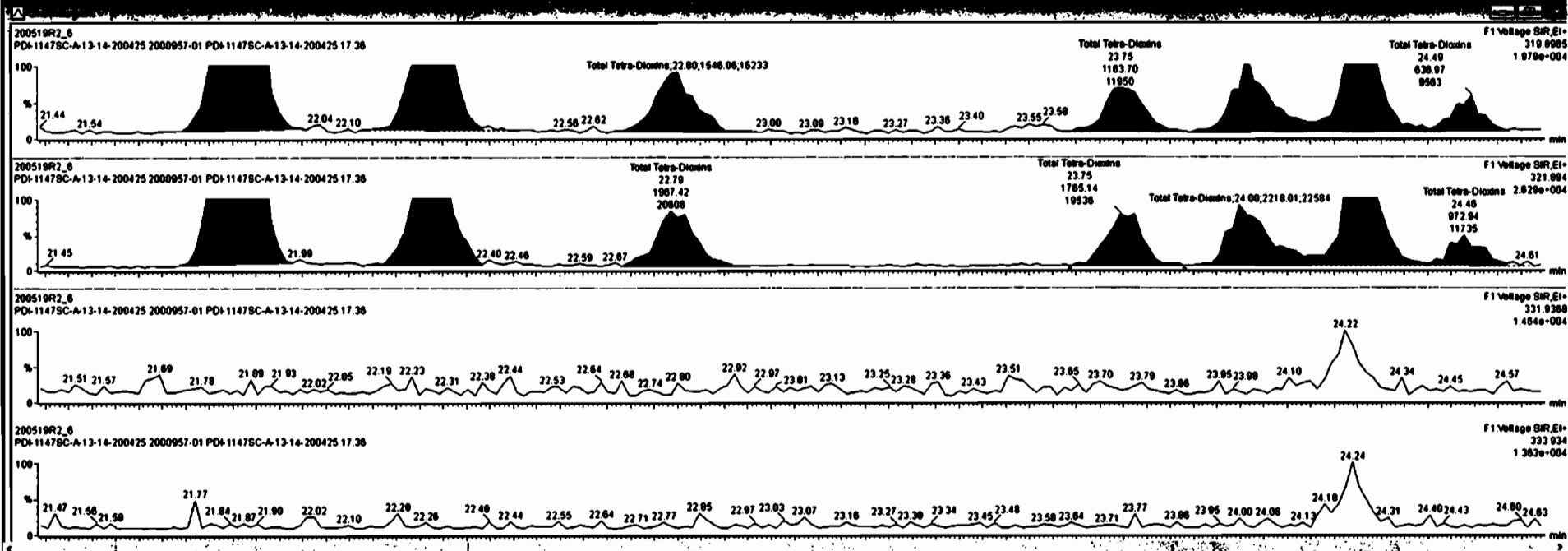
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File Edit View Display Processing Window Help

Name	Range	RA	rv	RF	wvald	RT	RRT	Qnd.J	SRms	OL	EMPC
13C-1,2,3,4,6,8-PeCDF	1.26e6	0.52	NO	1.0000	10.040	34.04	1.000	100	100	0.396	
Total Penta-Dioxins				0.9425	10.040			16.91		0.1021	20.91

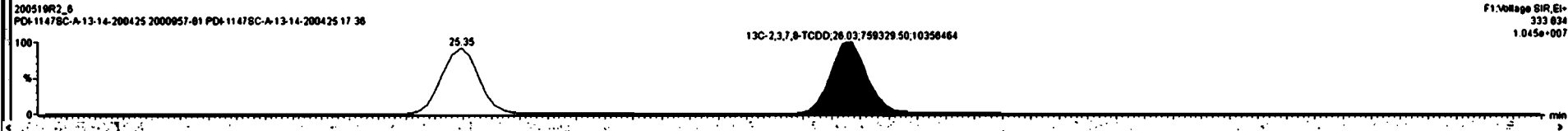
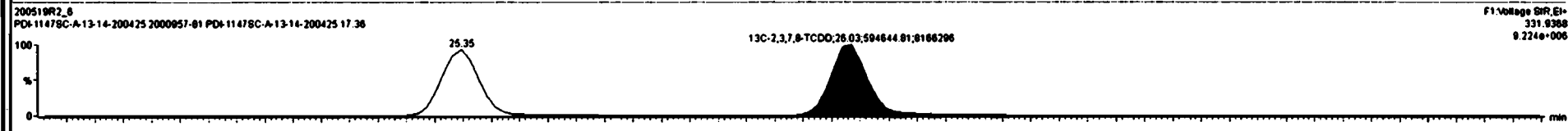
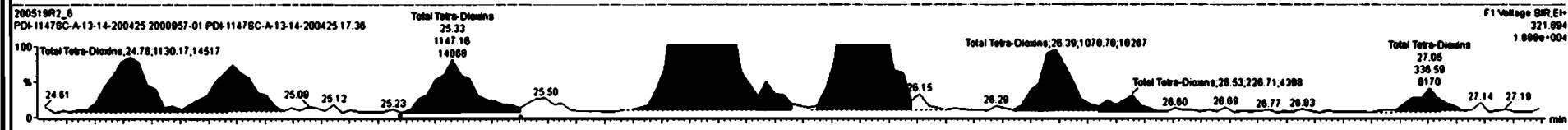
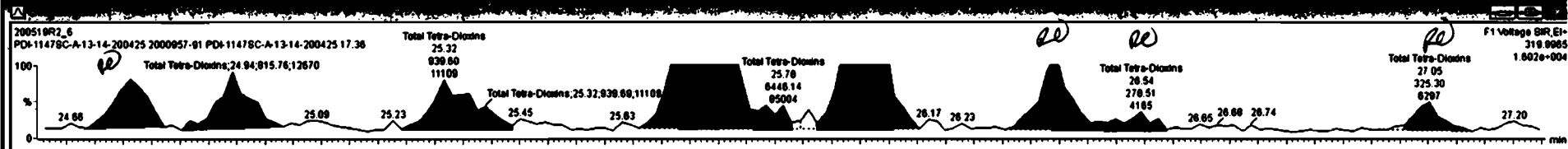
Name	RT	col Range	col Range	RA	rv	EMPC	Qnd.
1 Total Tetra-Dioxins	26.54	2.352e2	2.198e2	1.00	YES	0.060268	0.00000
2 Total Tetra-Dioxins	28.39	8.780e2	1.082e3	0.92	YES	0.29190	0.00000
3 2,3,7,8-TCDD	28.05	3.089e3	4.822e3	0.98	NO	1.1940	1.1940
4 Total Tetra-Dioxins	28.78	6.453e3	7.980e3	0.91	NO	2.2428	2.2428
5 Total Tetra-Dioxins	25.32	7.487e2	1.147e3	0.85	YES	0.28759	0.00000
6 Total Tetra-Dioxins	24.84	8.159e2	1.085e3	0.77	NO	0.29197	0.29197
7 Total Tetra-Dioxins	24.76	7.207e2	1.137e3	0.83	YES	0.28725	0.00000



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Name	Resp	RA	dy	RF	Voltd	RT	RF	Comp	SRes	OL	EMPC
38 13C-1,2,3,6,8-TCDF	1.26e8	0.52	NO	1.0000	10.040	34.04	1.000	100	100	0.398	
40 Total Penta-Dioxine				0.9425	10.040			16.91		0.1021	20.91

Name	RF	Voltd	RA	dy	EMPC	Comp
9 Total Tetra-Dioxine	24.94	8.158e2	1.085e3	0.77	NO	0.28204
10 Total Tetra-Dioxine	25.32	8.387e2	1.147e3	0.82	NO	0.32404
11 Total Tetra-Dioxine	25.78	8.448e3	8.285e3	0.78	NO	2.2844
12 2,3,7,8-TCDD	26.05	3.023e3	4.502e3	0.87	NO	1.1885
13 Total Tetra-Dioxine	26.54	9.899e2	1.071e3	0.92	YES	0.28429
14 Total Tetra-Dioxine	27.05	2.785e2	2.287e2	1.22	YES	0.08289
15 Total Tetra-Dioxine	27.05	3.253e2	3.388e2	0.97	YES	0.082510

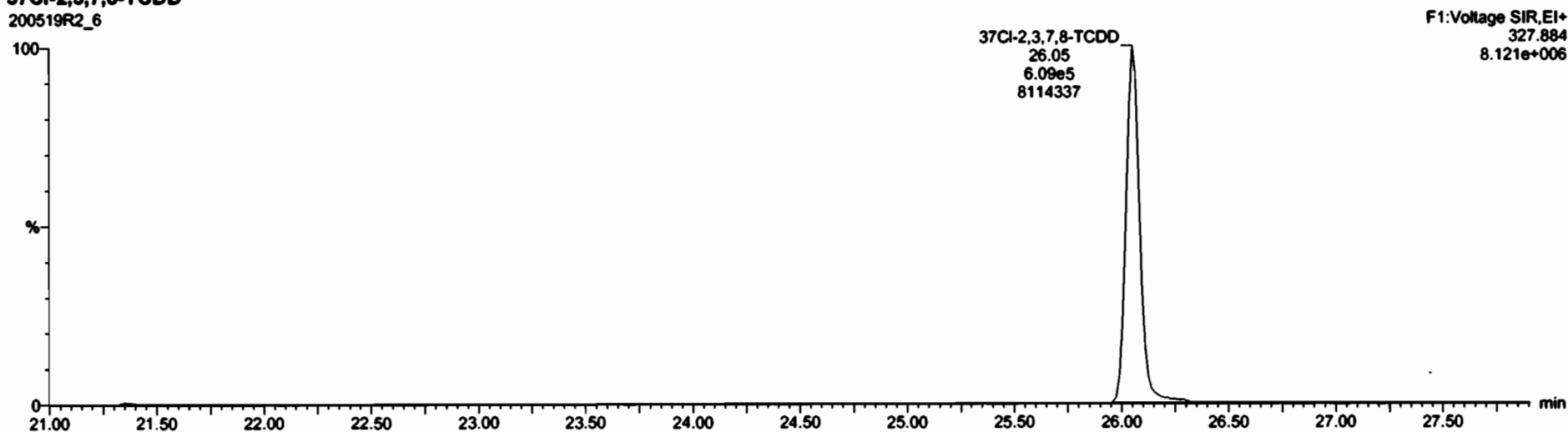


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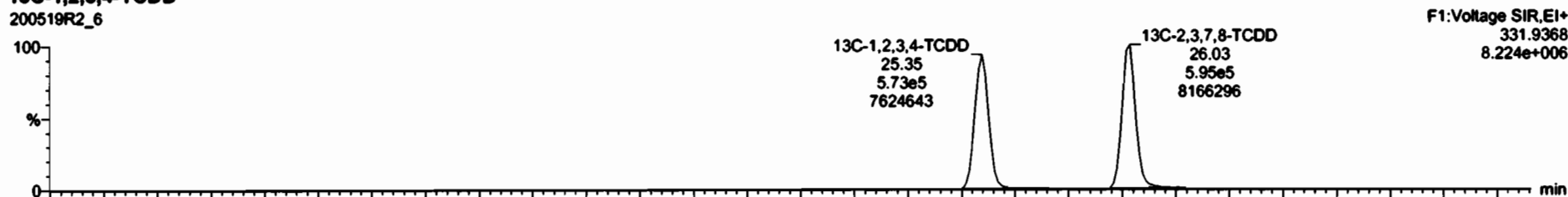
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Name: 200519R2_6, Date: 19-May-2020, Time: 17:23:34, ID: 2000957-01 PDI-1147SC-A-13-14-200425 17.36, Description: PDI-1147SC-A-13-14-200425

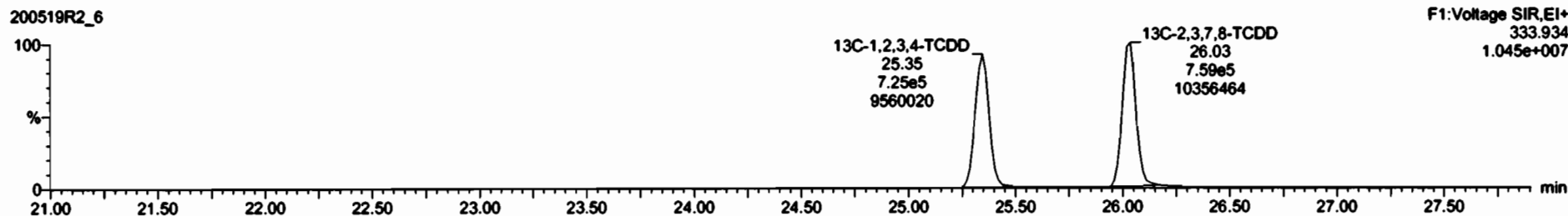
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200519R2_6



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200519R2_6



200519R2_6



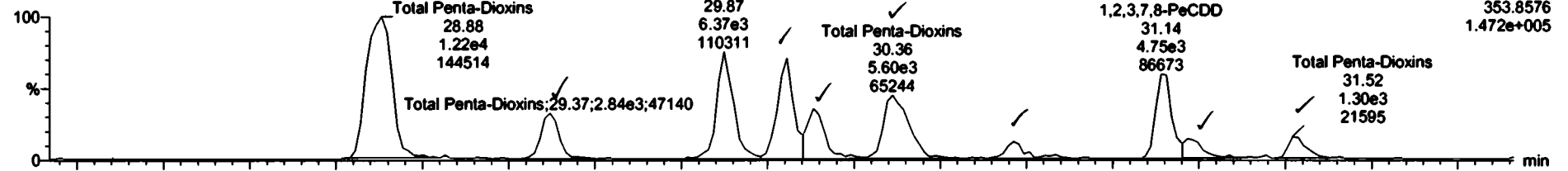
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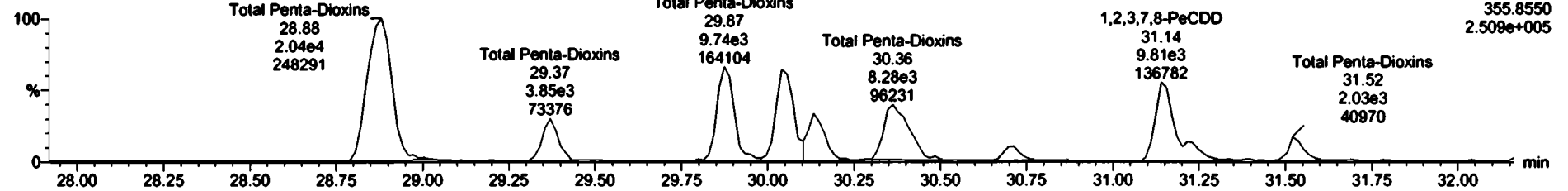
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1,2,3,7,8-PeCDD

200519R2_6



200519R2_6

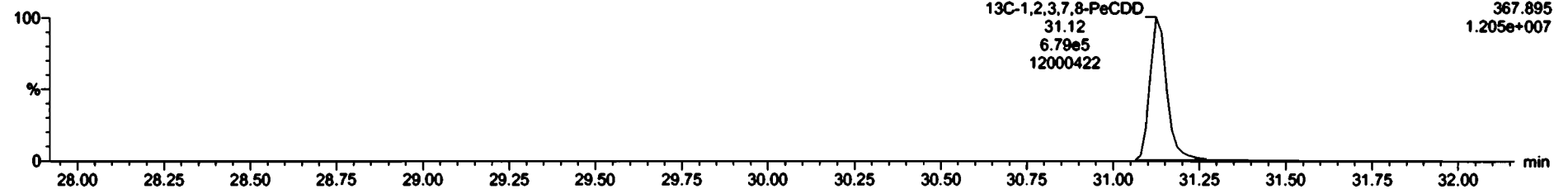


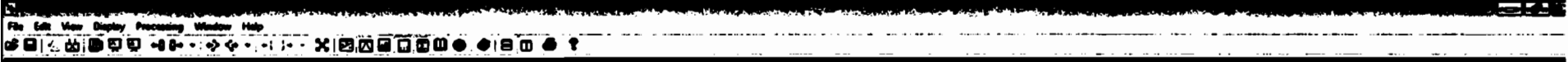
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200519R2_6



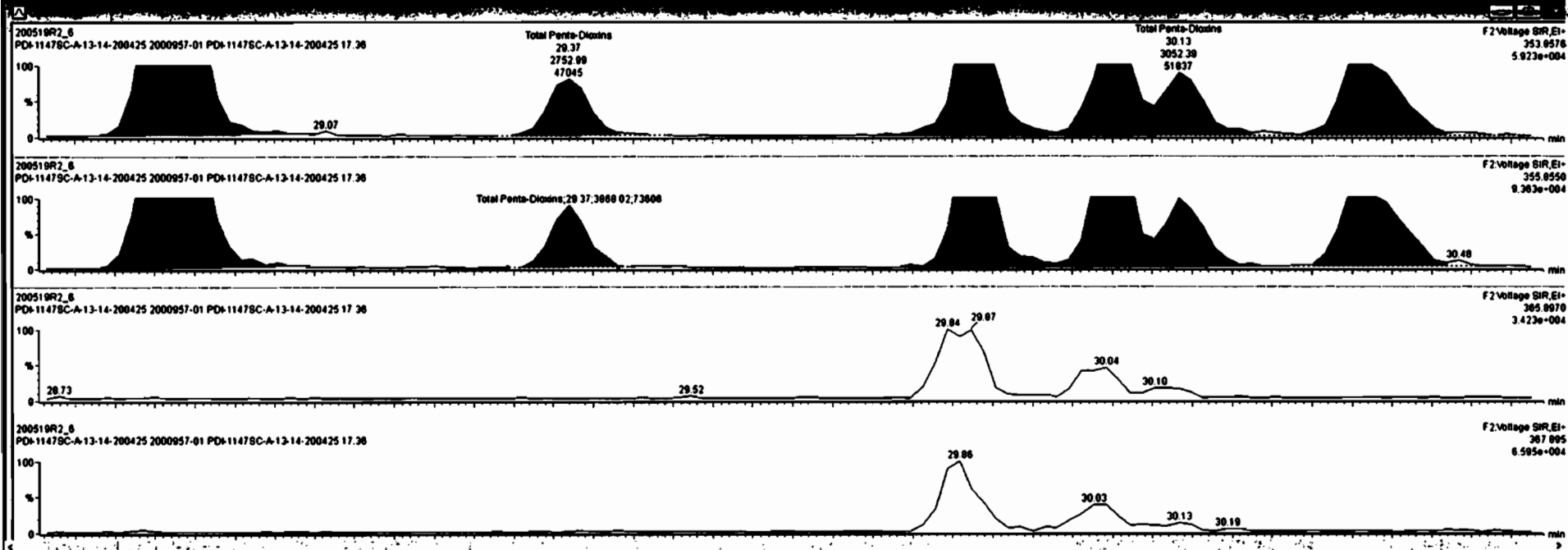
200519R2_6





Name	Resp	RA	Qty	RFV	total	RT	RFT	Comp.	%Res	GL	SLPC
13C-1,2,3,4,6,8-hrCDF	1.20e6	0.52	NO	1.0000	10.040	34.04	1.000	190	100	0.390	
Total Penta-Dioxins				0.9475	10.040			10.0		0.115	11.5

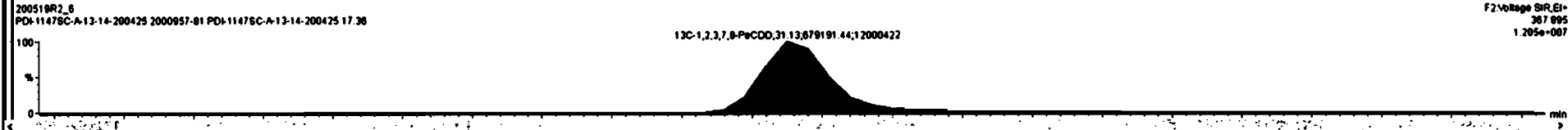
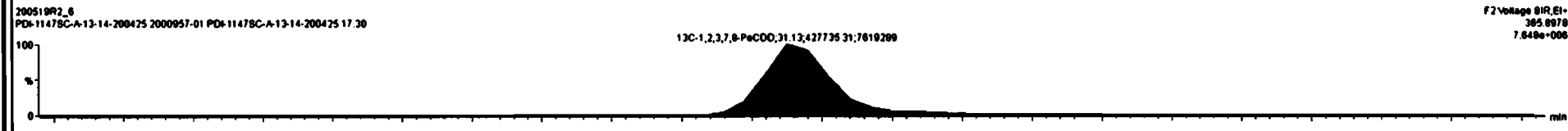
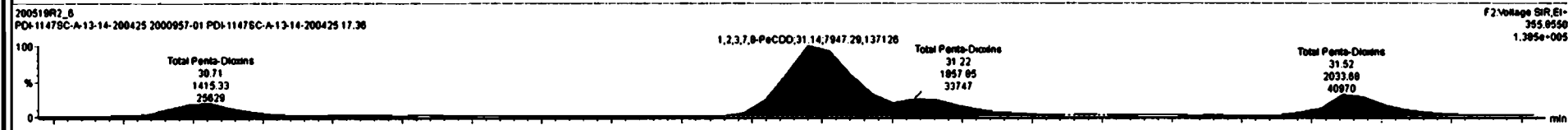
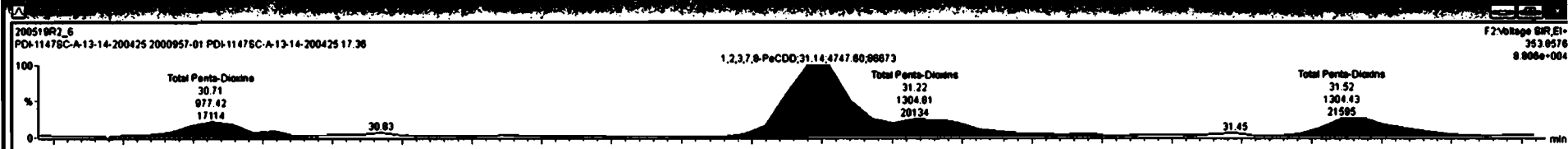
Name	RT	Std Resp	Std Resp	RA	Qty	SLPC	Comp.
Total Penta-Dioxins	29.88	1.224e4	2.038e4	0.60	NO	6.2246	6.2246
Total Penta-Dioxins	29.37	2.753e3	3.609e3	0.71	NO	1.2644	1.2644
Total Penta-Dioxins	29.87	6.371e3	9.739e3	0.95	NO	3.0759	3.0759
Total Penta-Dioxins	30.08	5.591e3	9.362e3	0.80	NO	2.8561	2.8561
Total Penta-Dioxins	30.13	3.052e3	4.843e3	0.66	NO	1.4893	1.4893
Total Penta-Dioxins	30.36	5.487e3	8.055e3	0.66	NO	2.5859	2.5859
Total Penta-Dioxins	30.71	1.051e3	1.415e3	0.74	YES	0.44080	0.00000





Name	Resp	RA	nlv	RFV	width	RT	RRT	Conc.	%Rec	GL	SLPC
13C-1,2,3,7,8-PeCDF	1.20e6	0.52	NO	1.0000	10.040	34.04	1.000	100	100	0.290	
Total Tetra-Dioxins				0.9475	10.040			10.0		0.115	11.5

Name	RT	nd Resp	id Resp	RA	nlv	SLPC	Conc.
Total Penta-Dioxins	30.08	5.591e3	9.382e3	0.60	NO	2.8551	2.8661
Total Penta-Dioxins	30.13	3.052e3	4.843e3	0.66	NO	1.4883	1.4893
Total Penta-Dioxins	30.38	5.487e3	8.055e3	0.69	NO	2.5058	2.5068
Total Penta-Dioxins	30.71	8.774e2	1.415e3	0.69	NO	0.45887	0.45887
1,2,3,7,8-PeCDD	31.14	4.748e3	7.947e3	0.60	NO	2.4240	2.4240
Total Penta-Dioxins	31.22	1.305e3	1.898e3	0.70	NO	0.60388	0.60388
Total Penta-Dioxins	31.52	1.304e3	2.034e3	0.64	NO	0.63738	0.63738



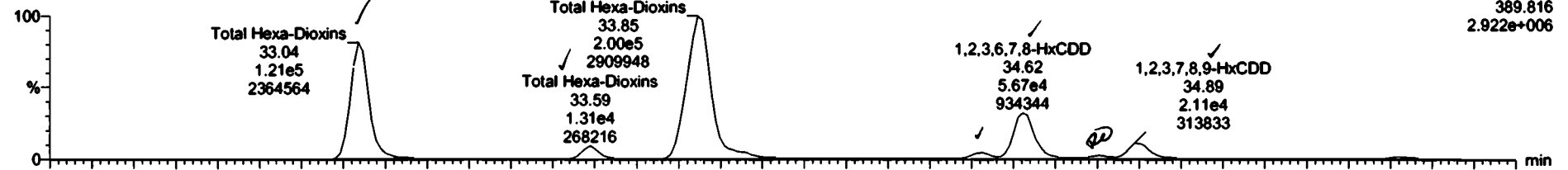
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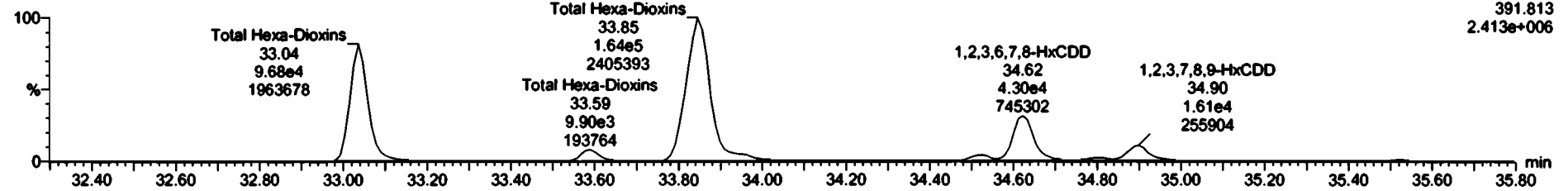
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1,2,3,4,7,8-HxCDD

200519R2_6

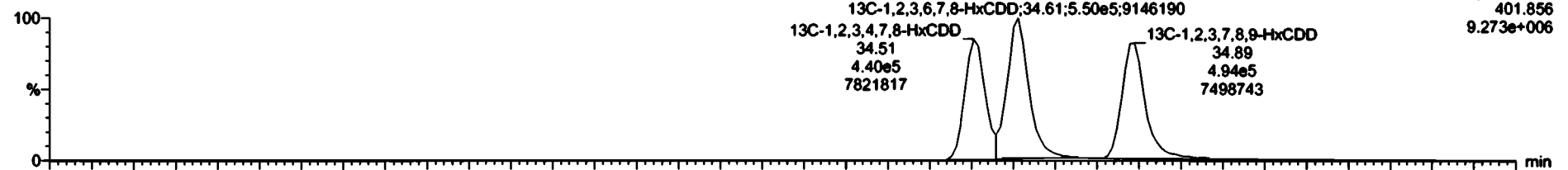


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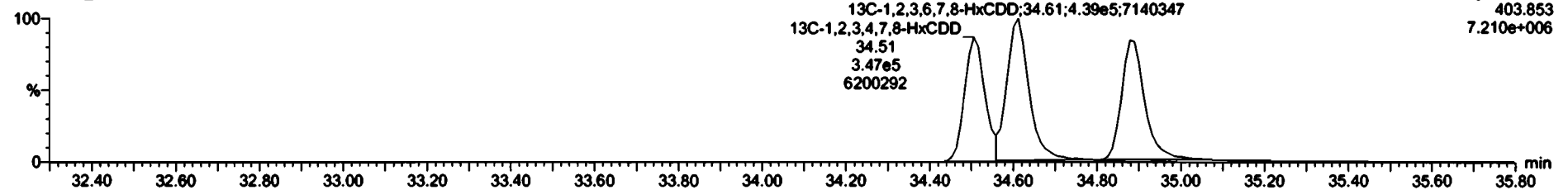


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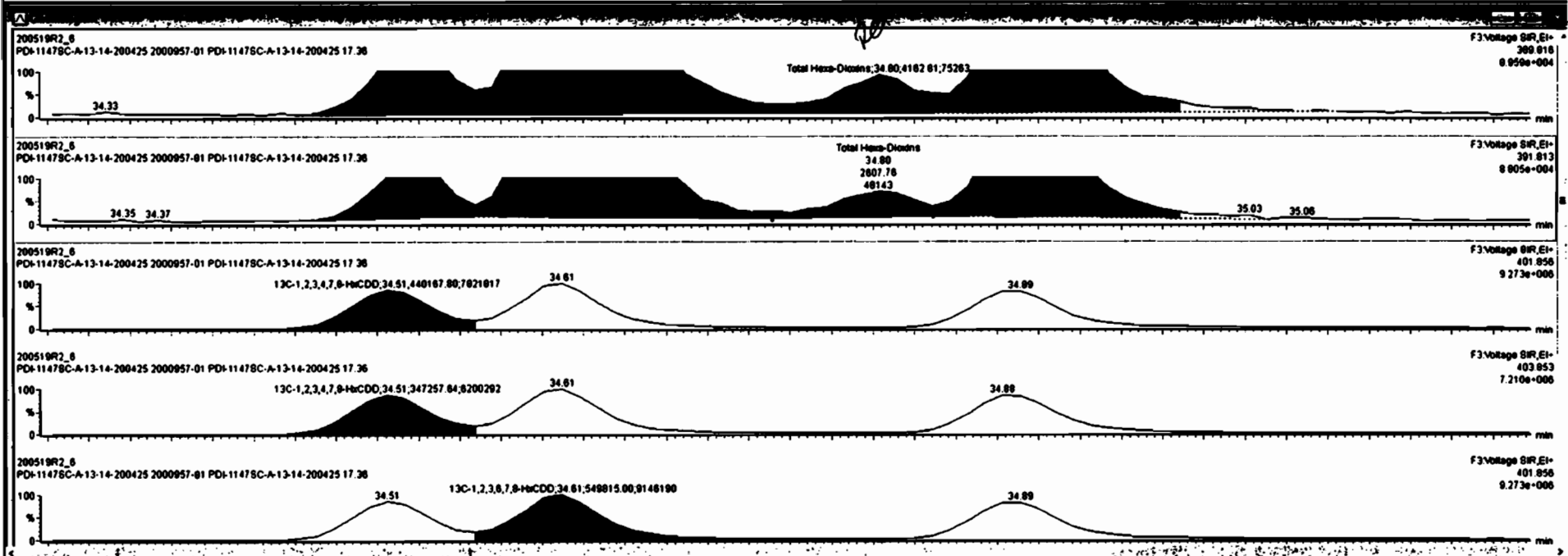


200519R2_6



Area	Resp	BA	Qty	FWP	VolVol	RT	RRT	Comp.	SRNo	GL	SRPC
01											
02	Total Hexa-Dioxins			0.8878	10.040			1110		0.842	1110
03	Total Tetra-Furans			0.7871	10.040			143		0.1531	152

Area	RT	Std Resp	Std Resp	BA	Qty	SRPC	Comp.
0	Total Hexa-Dioxins	33.04	1.208e5	0.680e4	1.25	NO	53.525
2	Total Hexa-Dioxins	33.59	1.305e4	0.504e3	1.22	NO	5.8480
3	Total Hexa-Dioxins	33.85	1.887e5	1.635e5	1.22	NO	88.343
4	1,2,3,4,7,8-HxCDD	34.53	7.208e3	5.203e3	1.30	NO	2.8801
5	1,2,3,6,7,8-HxCDD	34.82	5.887e4	4.422e4	1.28	NO	22.217
6	Total Hexa-Dioxins	34.80	4.163e3	2.808e3	1.46	YES	1.5470
7	1,2,3,7,8-HxCDD	34.80	2.040e4	1.591e4	1.28	NO	0.8832



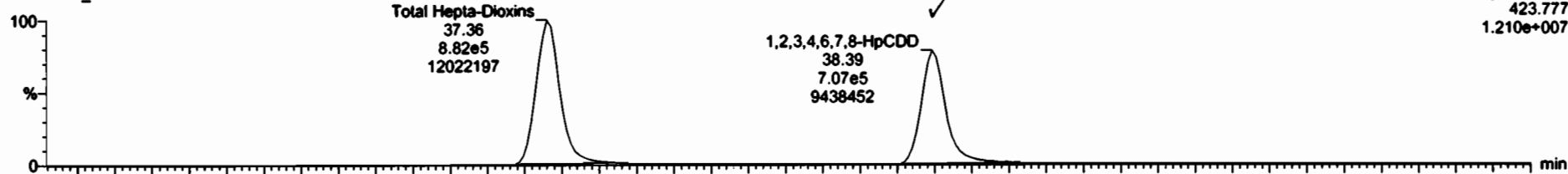
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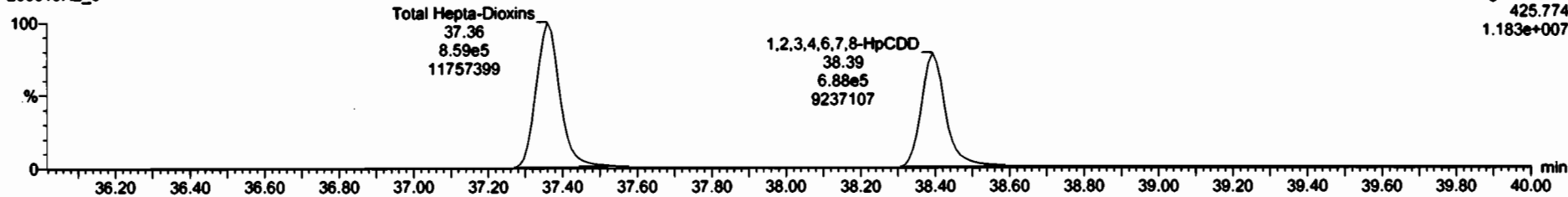
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200519R2_6



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1.210e+007

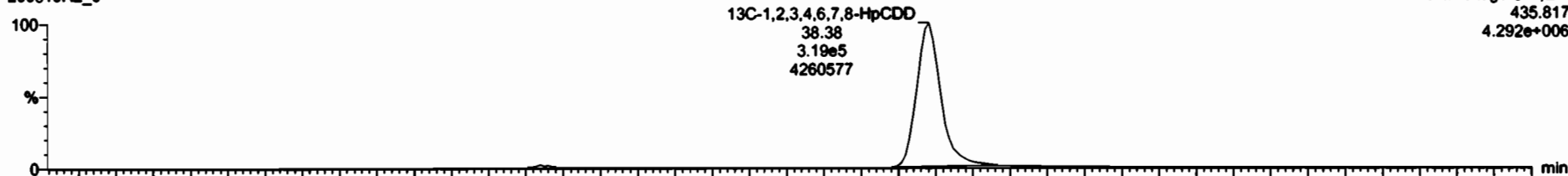
200519R2_6



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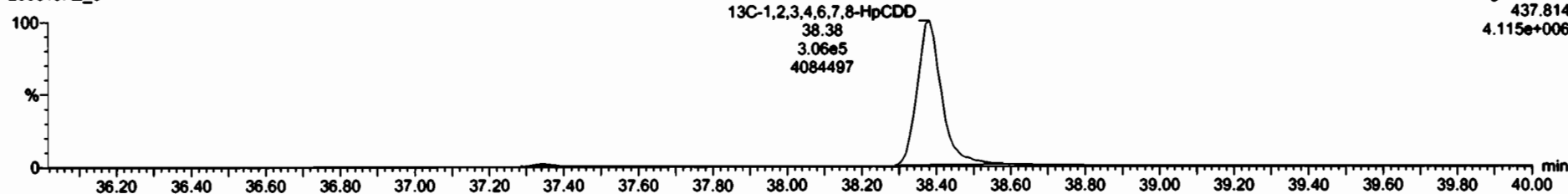
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200519R2_6



F4:Voltage SIR,EI+
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200519R2_6

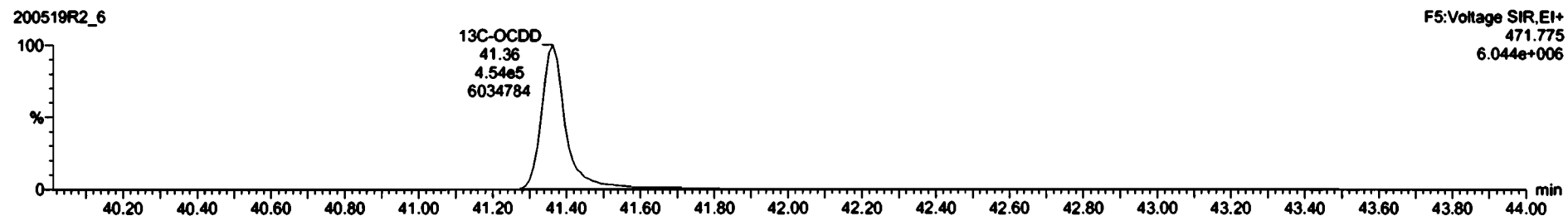
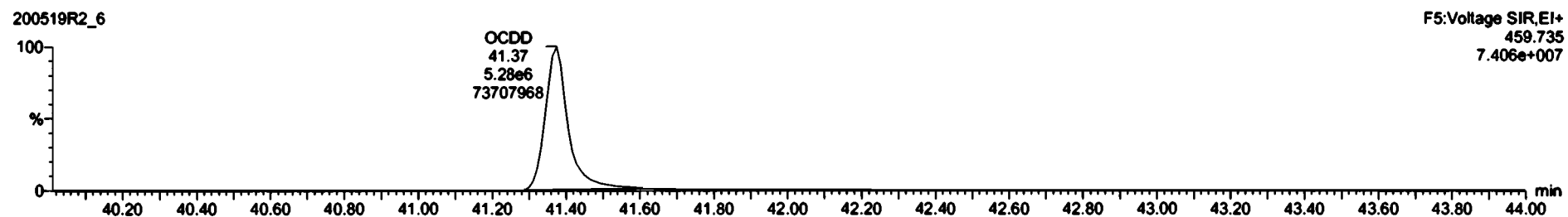


F4:Voltage SIR,EI+
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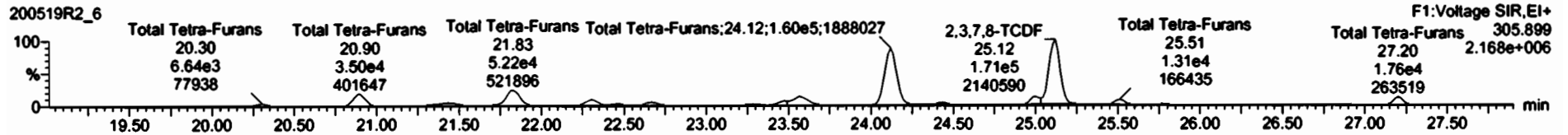
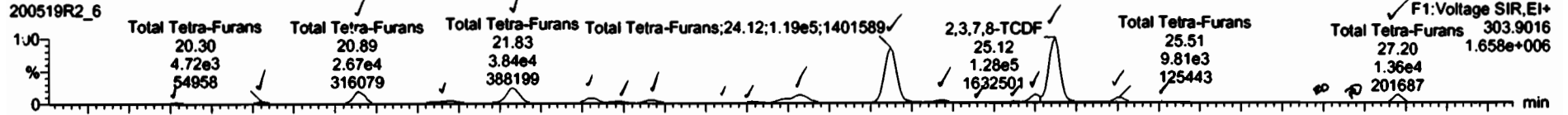


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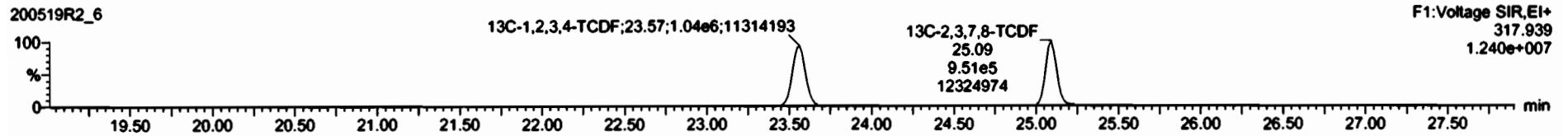
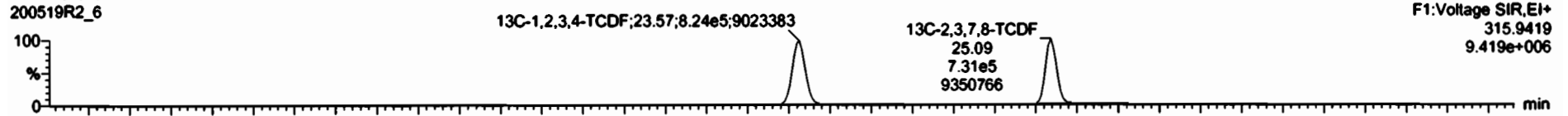
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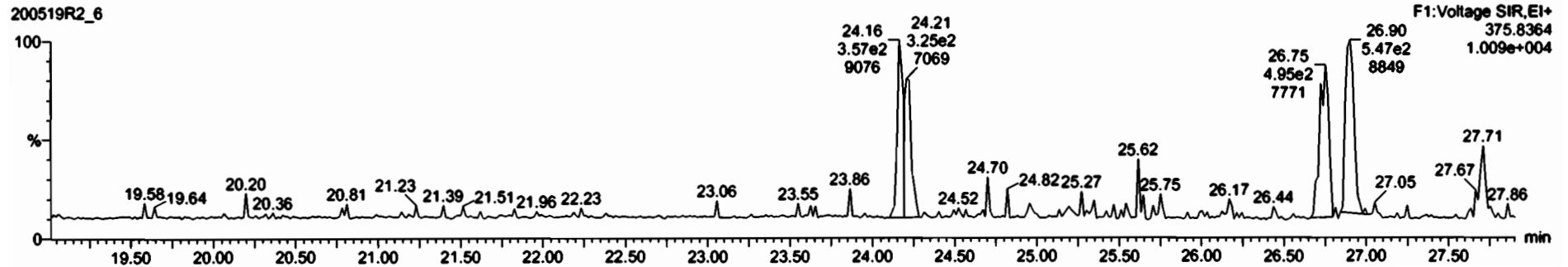
2,3,7,8-TCDF



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

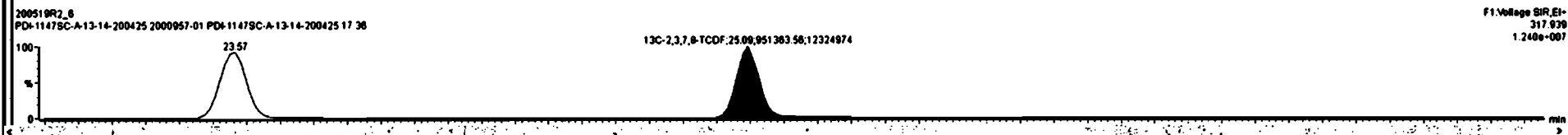
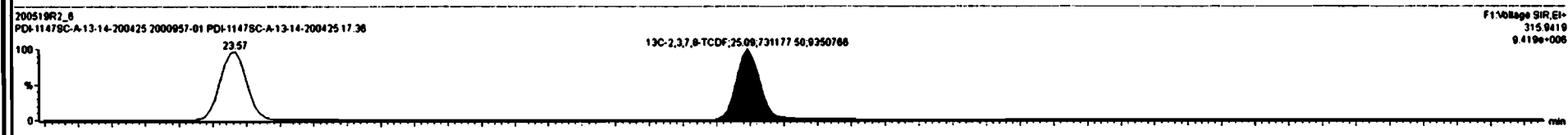
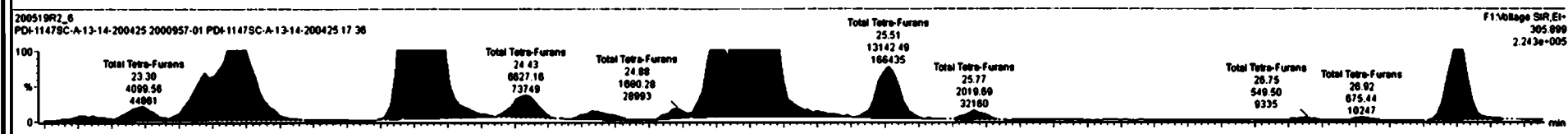
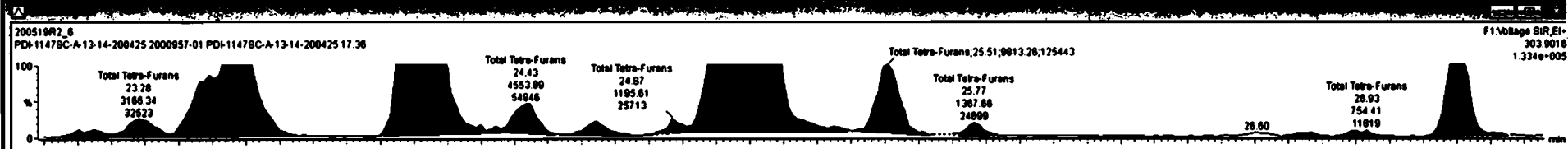


DPE1



Name	Resp	RA	inj	RPF	valvol	RT	RRT	Conc.	%Res	DL	SDPC
41 Total Hexa-Chlorine				0.9145	10.040			163		0.253	184
42 Total Hepta-Chlorine				0.9979	10.040			1110		0.842	1110

Name	RT	inj Resp	mD Resp	RA	inj	SDPC	Conc.
16 Total Tetra-Furans	25.00	1.277e4	1.754e4	0.73	NO	4.5628	4.5628
17 2,3,7,8-TCDF	25.12	1.327e5	1.752e5	0.76	NO	48.310	48.310
18 Total Tetra-Furans	26.91	9.813e3	1.214e4	0.75	NO	3.4529	3.4529
19 Total Tetra-Furans	25.77	1.388e3	2.020e3	0.69	NO	0.50950	0.50950
20 Total Tetra-Furans	26.77	4.888e2	5.485e2	0.91	YES	0.14803	0.00000
21 Total Tetra-Furans	26.93	7.544e2	8.754e2	1.12	YES	0.17982	0.00000
22 Total Tetra-Furans	27.20	1.388e4	1.770e4	0.77	NO	4.7203	4.7203



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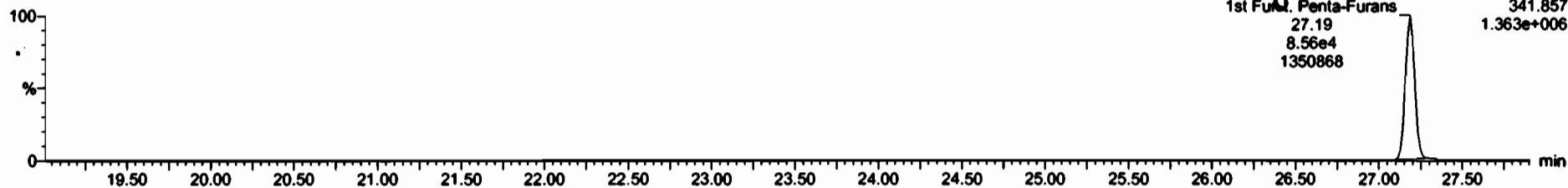
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1st Func. Penta-Furans

200519R2_6

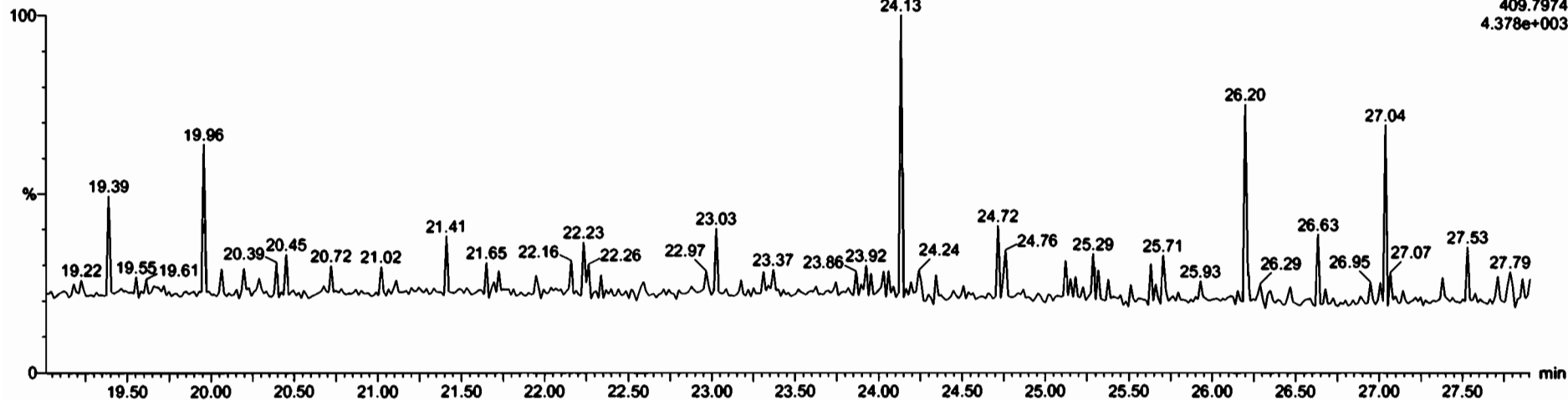


200519R2_6



DPE6

200519R2_6



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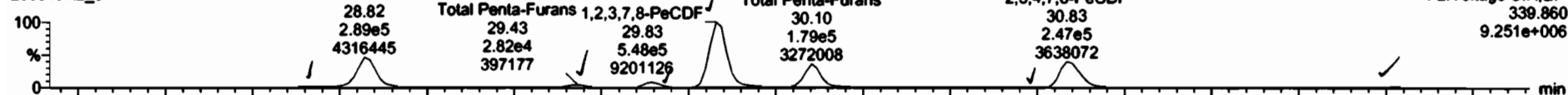
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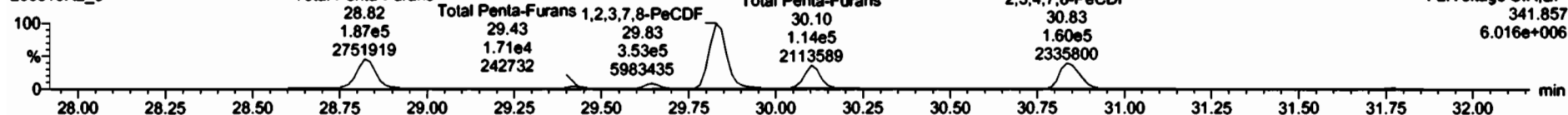
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1,2,3,7,8-PeCDF

200519R2_6

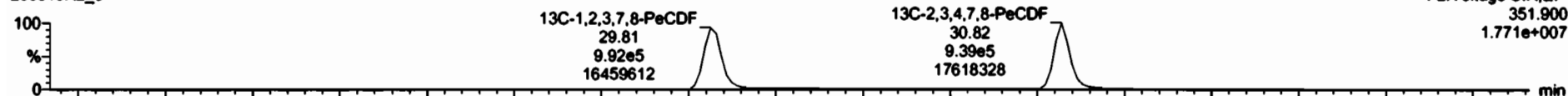


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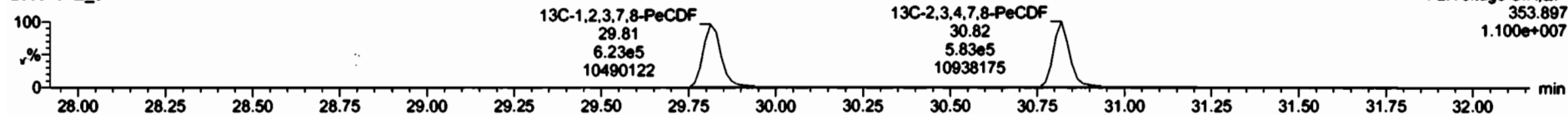


13C-1,2,3,7,8-PeCDF

200519R2_6

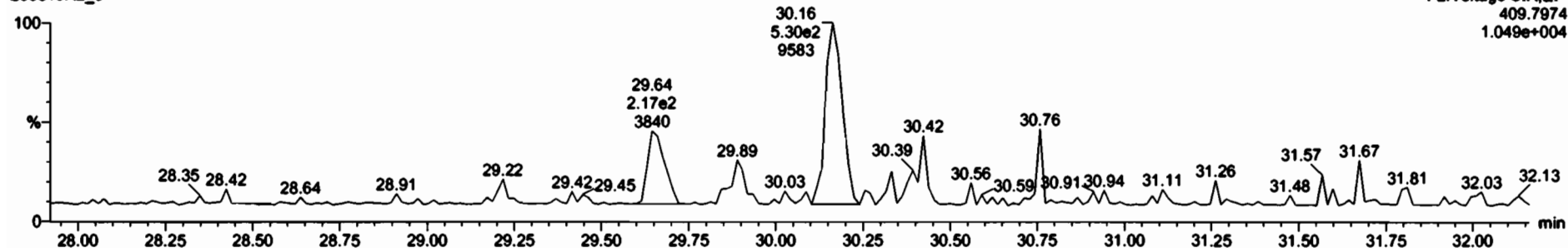


200519R2_6



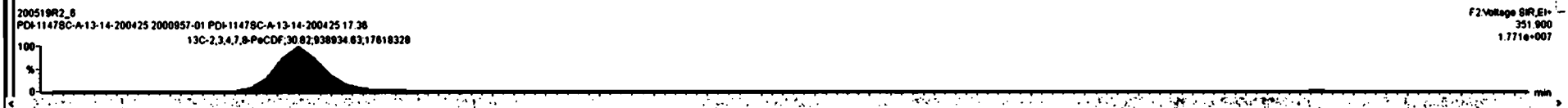
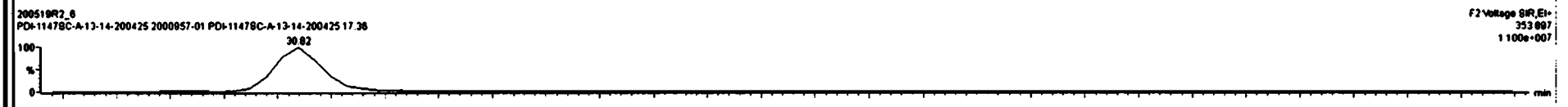
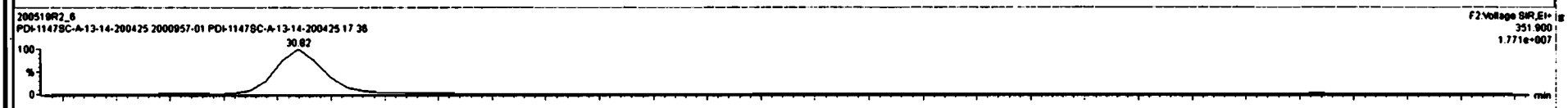
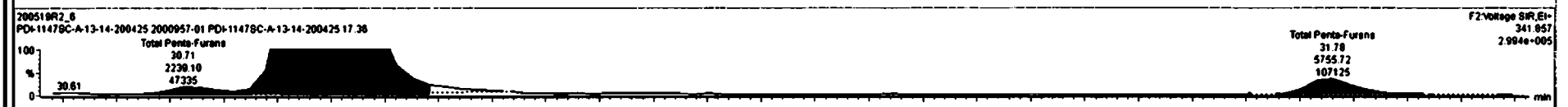
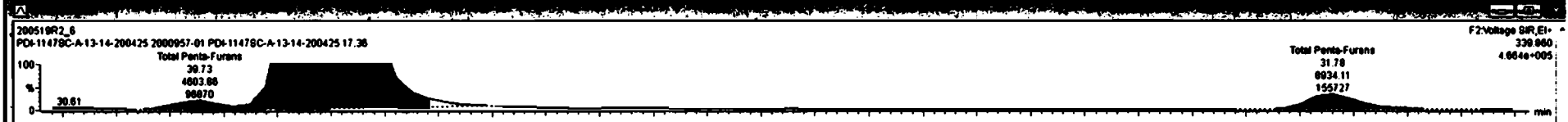
DPE2

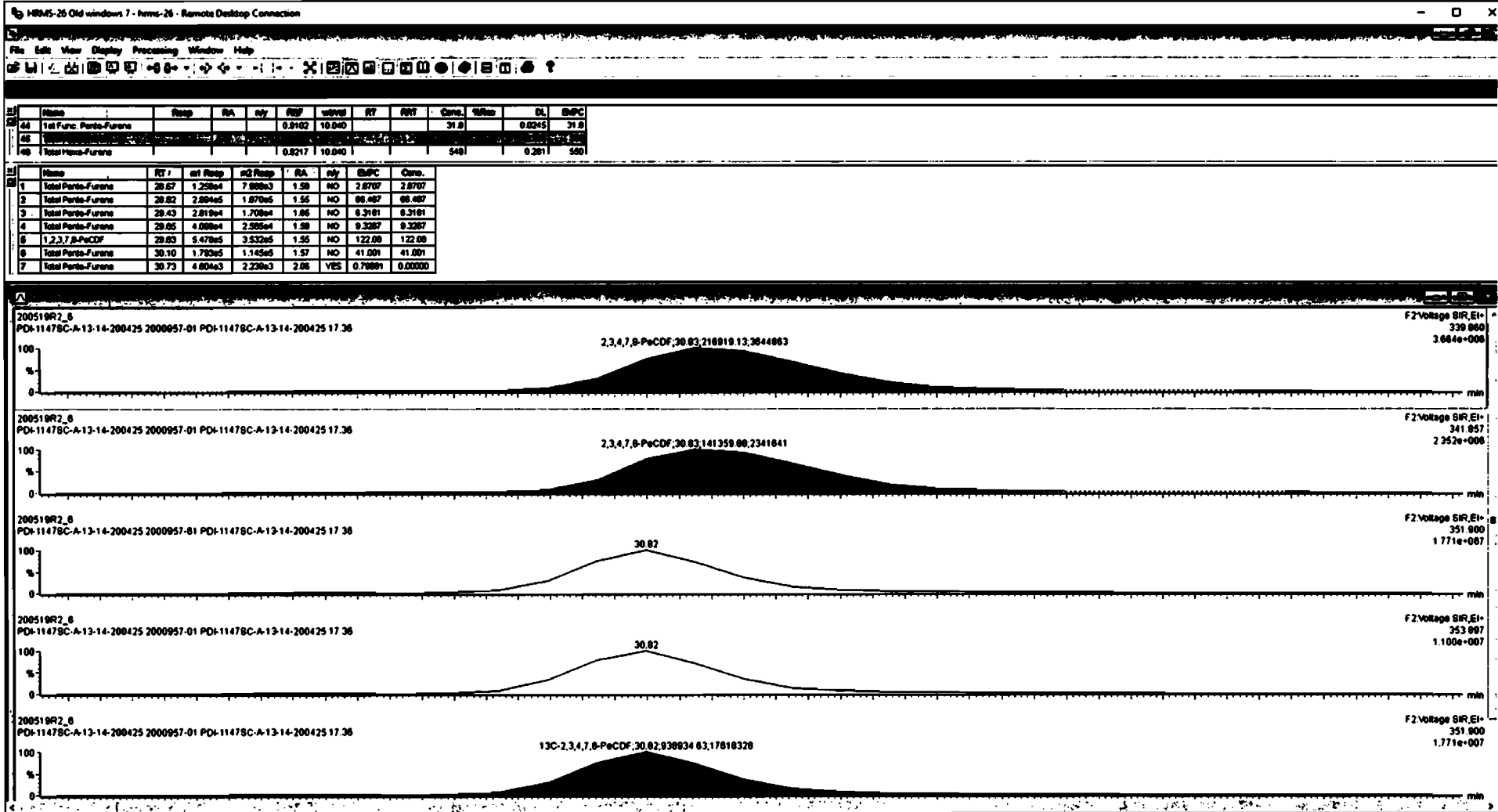
200519R2_6



Name	Resp	RA	inj	RF	VolVol	RT	RRT	Conc.	%Rec	DL	EMPC
Total Penta-Furans				0.9102	10.040			31.8		0.0245	31.8
Total Hexa-Furans				0.9217	10.040			5401		0.291	550

Name	RT /	inj Resp	std Resp	RA	inj	EMPC	Conc.
1 Total Penta-Furans	28.67	1.258e4	7.988e3	1.98	NO	2.8707	2.8707
2 Total Penta-Furans	28.82	2.804e5	1.870e5	1.55	NO	88.487	88.487
3 Total Penta-Furans	29.43	2.919e4	1.708e4	1.65	NO	6.3161	6.3161
4 Total Penta-Furans	29.85	4.888e4	2.585e4	1.59	NO	9.3287	9.3287
5 1,2,3,7,8-PeCDF	29.83	5.478e5	3.532e5	1.55	NO	122.88	122.88
6 Total Penta-Furans	30.10	1.783e5	1.145e5	1.57	NO	41.001	41.001
7 Total Penta-Furans	30.73	4.804e3	2.239e3	2.05	YES	0.78891	0.00000



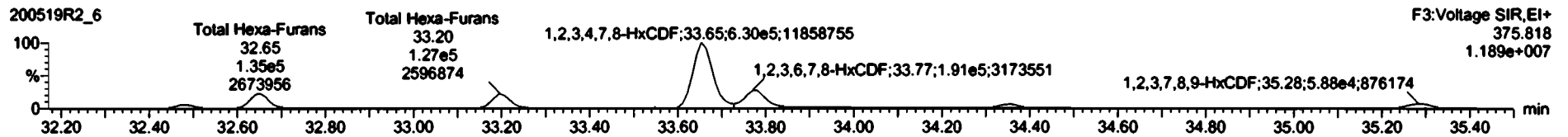
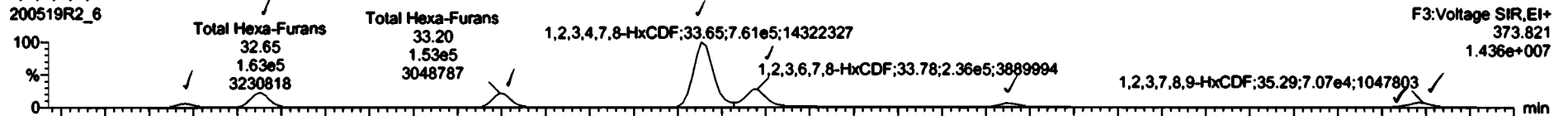


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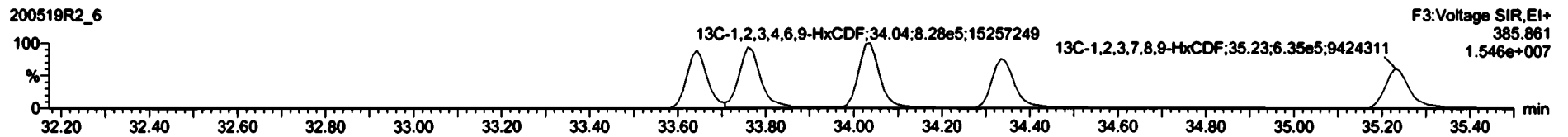
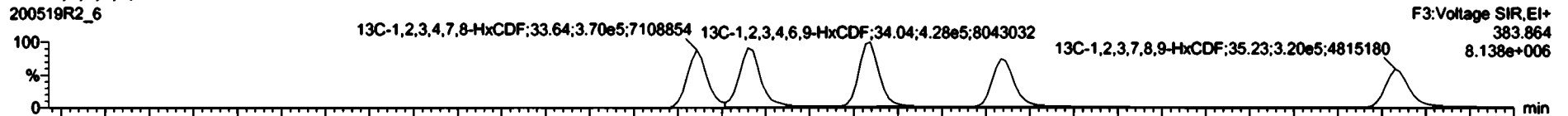
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Name: 200519R2_6, Date: 19-May-2020, Time: 17:23:34, ID: 2000957-01 PDI-1147SC-A-13-14-200425 17.36, Description: PDI-1147SC-A-13-14-200425

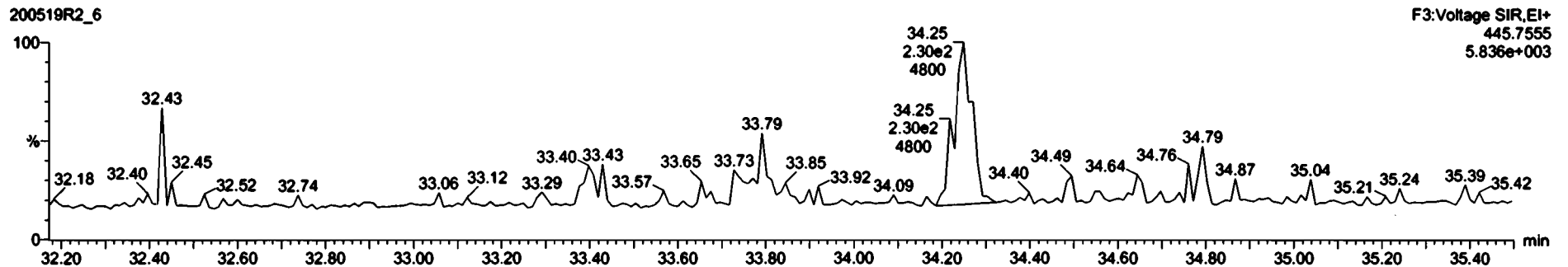
1,2,3,4,7,8-HxCDF

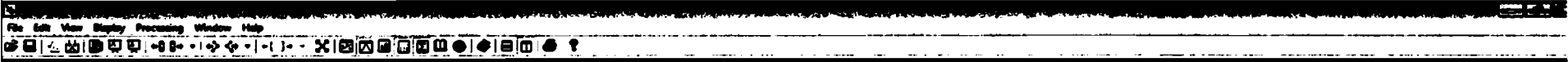


13C-1,2,3,4,7,8-HxCDF



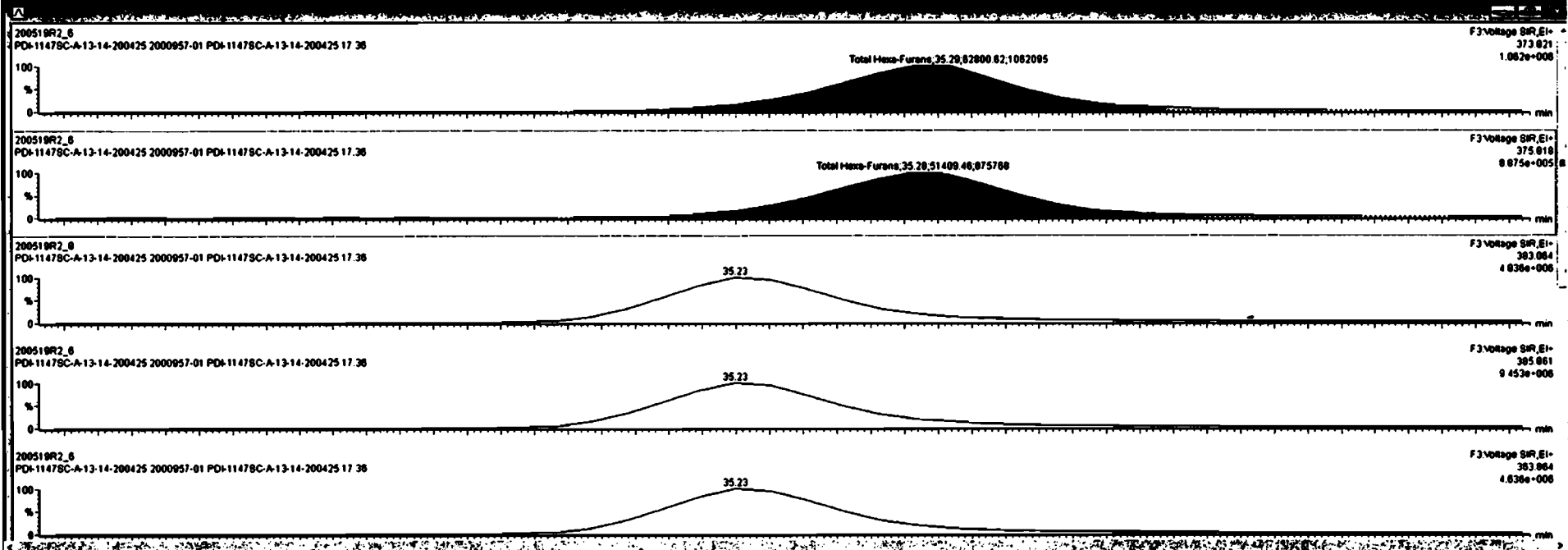
DPE3





Peak	Name	Resp	RA	rt	RF	Vol%	RT	RF	Area	Area	GL	SLPC
26	Total Perte-Furane				0.9102	10.040			31.8		0.0245	31.8
25	Total Perte-Furane				0.9102	10.040			305		0.285	308

Peak	Name	RT	Int Resp	Int Resp	RA	rt	SLPC	Area
1	Total Hexa-Furane	32.48	4.181e4	3.375e4	1.23	NO	15.038	15.038
2	Total Hexa-Furane	32.85	1.832e5	1.345e5	1.21	NO	58.413	58.413
3	Total Hexa-Furane	33.19	1.531e5	1.285e5	1.21	NO	55.794	55.794
4	1,2,3,4,7,8-HxCDF	33.85	7.810e5	6.303e5	1.21	NO	287.87	287.87
5	1,2,3,6,7,8-HxCDF	33.78	2.380e5	1.805e5	1.24	NO	78.242	78.242
6	2,3,4,6,7,8-HxCDF	34.35	4.887e4	3.888e4	1.18	NO	18.001	18.001
7	1,2,3,7,8,9-HxCDF	35.25	8.088e3	6.928e3	1.25	NO	3.7713	3.7713

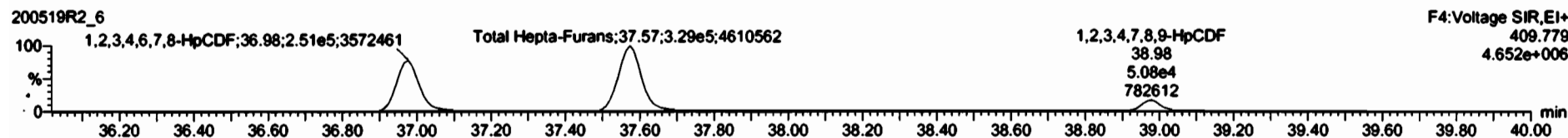
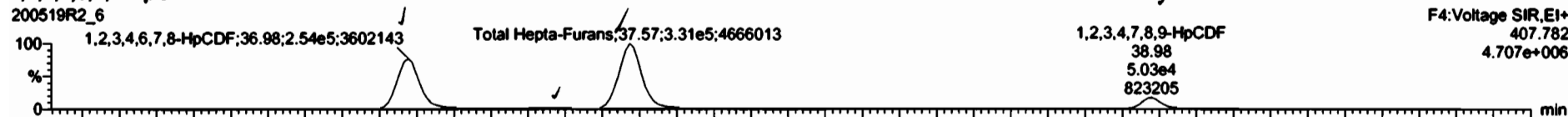


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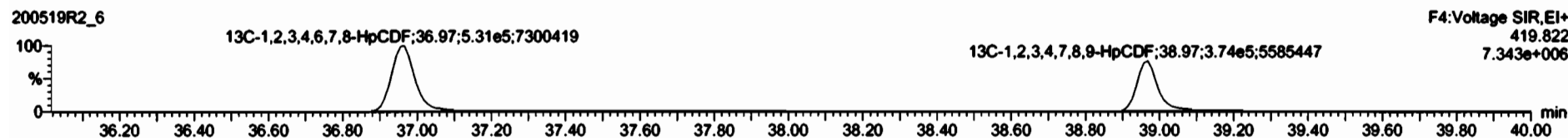
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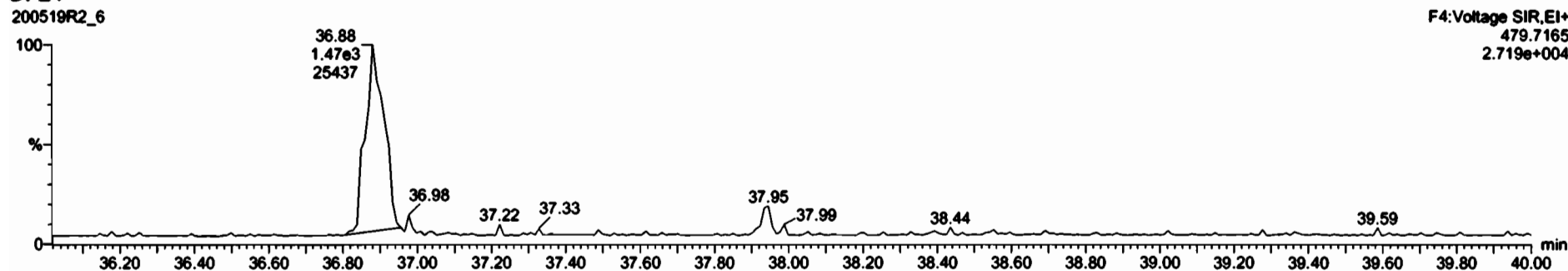
1,2,3,4,6,7,8-HpCDF



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



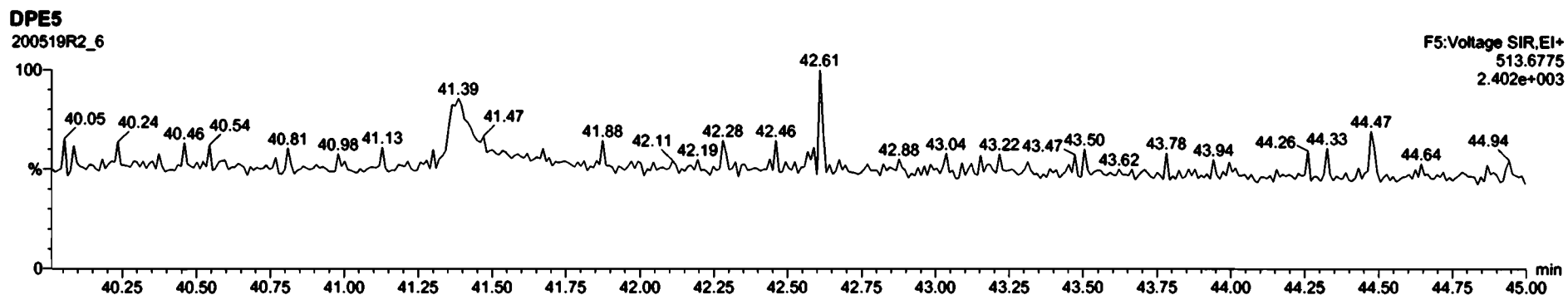
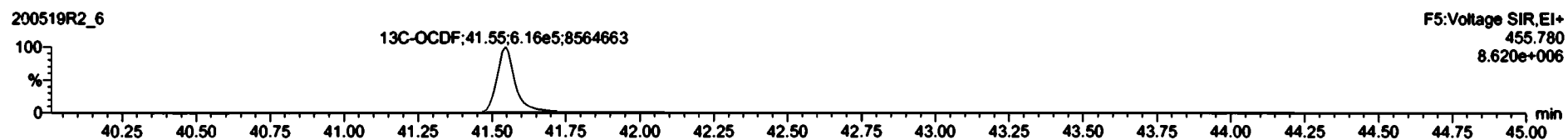
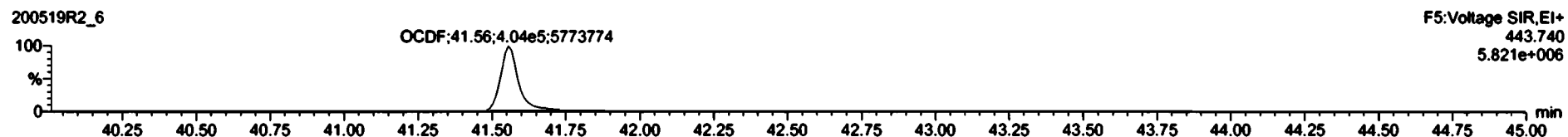
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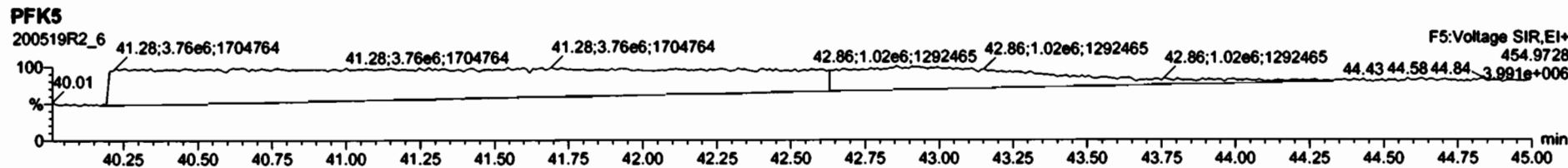
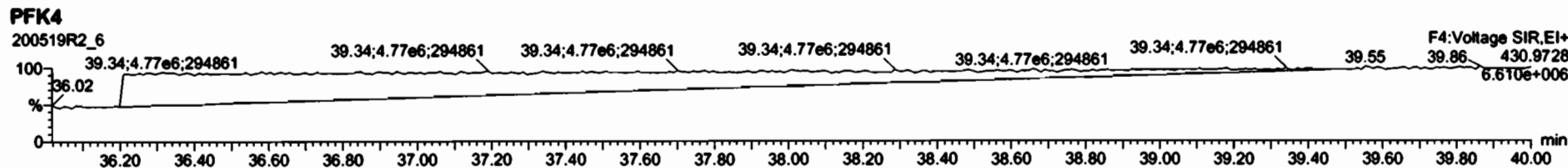
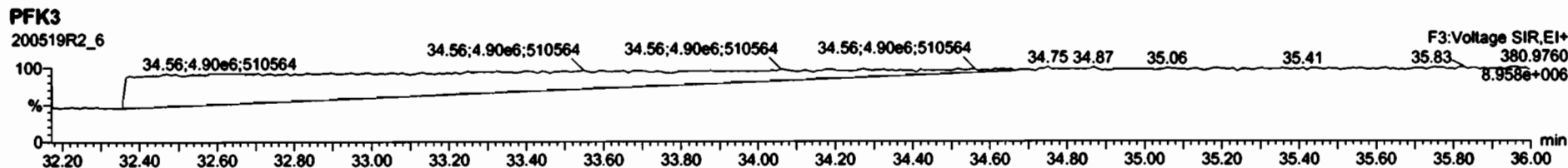
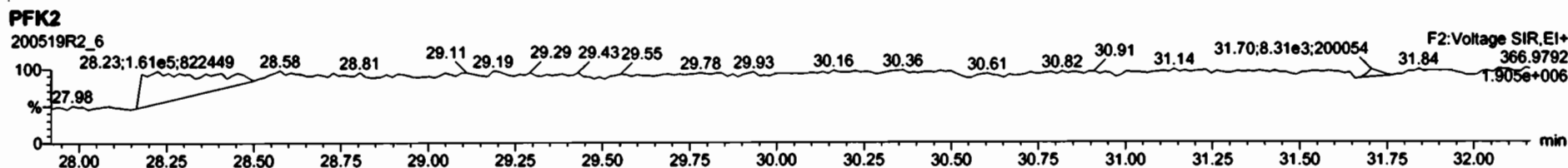
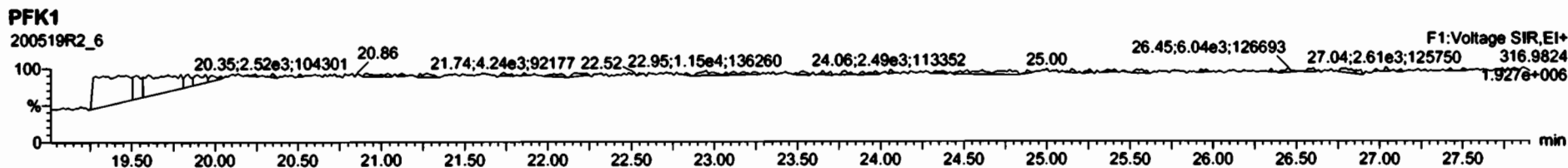
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Dataset: U:\VG12.PRO\Results\200519R2\200519R2-7.qld

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8/05/20/2020

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6/06/02/2020

Name: 200519R2_7, Date: 19-May-2020, Time: 18:09:46, ID: 2000957-02 PDI-147SC-A-00-01-200425 15.08, Description: PDI-147SC-A-00-01-200425

#Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMRC
1 2,3,7,8-TCDD			NO	0.947	10.036	26.066		1.001				0.109	
2 1,2,3,7,8-PeCDD	3.02e2	0.41	YES	0.942	10.036	31.147	31.12	1.001	1.000	0.19260		0.109	0.144
3 1,2,3,4,7,8-HxCDD	6.86e2	1.21	NO	1.06	10.036	34.505	34.52	1.000	1.001	0.45984		0.226	0.460
4 1,2,3,6,7,8-HxCDD	2.45e3	1.27	NO	0.915	10.036	34.590	34.61	1.000	1.001	1.3714		0.238	1.37
5 1,2,3,7,8,9-HxCDD	9.80e2	1.21	NO	0.915	10.036	34.877	34.88	1.000	1.000	0.64656		0.281	0.647
6 1,2,3,4,6,7,8-HpCDD	4.40e4	1.04	NO	0.898	10.036	38.394	38.39	1.000	1.000	38.759		0.651	38.8
7 OCDD	4.19e5	0.87	NO	0.933	10.036	41.354	41.38	1.000	1.001	382.75		0.747	383
8 2,3,7,8-TCDF	7.11e3	0.81	NO	0.787	10.036	25.117	25.12	1.001	1.001	3.2661	OK	0.146	3.27
9 1,2,3,7,8-PeCDF	8.20e3	1.50	NO	0.910	10.036	29.834	29.81	1.001	1.000	3.5218		0.161	3.52
10 2,3,4,7,8-PeCDF	2.74e3	3.44	YES	0.966	10.036	30.835	30.83	1.001	1.001	1.1381		0.145	0.654
11 1,2,3,4,7,8-HxCDF	9.02e3	1.23	NO	0.878	10.036	33.632	33.65	1.000	1.001	5.0201		0.127	5.02
12 1,2,3,6,7,8-HxCDF	2.65e3	1.28	NO	0.874	10.036	33.759	33.76	1.000	1.000	1.2373		0.124	1.24
13 2,3,4,6,7,8-HxCDF	1.27e3	1.13	NO	0.922	10.036	34.358	34.35	1.001	1.001	0.65255		0.132	0.653
14 1,2,3,7,8,9-HxCDF	5.28e2	1.02	YES	0.864	10.036	35.219	35.25	1.000	1.001	0.32772		0.109	0.299
15 1,2,3,4,6,7,8-HpCDF	1.14e4	1.00	NO	0.871	10.036	36.992	36.98	1.001	1.001	8.2134		0.297	8.21
16 1,2,3,4,7,8,9-HpCDF	1.29e3	0.97	NO	1.01	10.036	38.968	38.98	1.000	1.000	1.1889		0.366	1.19
17 OCDF	2.76e4	0.86	NO	0.802	10.036	41.545	41.56	1.000	1.000	23.960		0.313	24.0
18 13C-2,3,7,8-TCDD	3.92e5	0.81	NO	1.16	10.036	26.015	26.03	1.026	1.027	190.66	95.7	0.332	
19 13C-1,2,3,7,8-PeCDD	3.31e5	0.64	NO	0.847	10.036	31.105	31.13	1.227	1.228	219.86	110	0.464	
20 13C-1,2,3,4,7,8-HxCDD	2.79e5	1.30	NO	0.750	10.036	34.506	34.49	1.014	1.014	161.84	81.2	0.826	
21 13C-1,2,3,6,7,8-HxCDD	3.89e5	1.36	NO	0.963	10.036	34.618	34.59	1.017	1.017	175.21	87.9	0.643	
22 13C-1,2,3,7,8,9-HxCDD	3.30e5	1.40	NO	0.838	10.036	34.887	34.87	1.025	1.025	171.19	85.9	0.739	
23 13C-1,2,3,4,6,7,8-HpCDD	2.52e5	1.07	NO	0.641	10.036	38.378	38.38	1.128	1.128	170.68	85.6	0.626	
24 13C-OCDD	4.67e5	0.91	NO	0.586	10.036	41.372	41.35	1.216	1.215	345.93	86.8	0.885	
25 13C-2,3,7,8-TCDF	5.51e5	0.81	NO	1.03	10.036	25.075	25.09	0.989	0.990	179.32	90.0	0.406	
26 13C-1,2,3,7,8-PeCDF	5.10e5	1.62	NO	0.845	10.036	29.794	29.81	1.176	1.176	203.01	102	0.776	
27 13C-2,3,4,7,8-PeCDF	4.97e5	1.60	NO	0.814	10.036	30.785	30.80	1.215	1.215	205.24	103	0.806	
28 13C-1,2,3,4,7,8-HxCDF	4.08e5	0.51	NO	1.00	10.036	33.645	33.63	0.989	0.988	176.19	88.4	0.971	
29 13C-1,2,3,6,7,8-HxCDF	4.89e5	0.51	NO	1.14	10.036	33.767	33.75	0.992	0.992	186.64	93.7	0.858	
30 13C-2,3,4,6,7,8-HxCDF	4.20e5	0.51	NO	1.02	10.036	34.336	34.32	1.009	1.009	178.49	89.6	0.954	
31 13C-1,2,3,7,8,9-HxCDF	3.70e5	0.47	NO	0.845	10.036	35.227	35.22	1.035	1.035	190.44	95.6	1.15	

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-7.qld

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Name: 200519R2_7, Date: 19-May-2020, Time: 18:09:46, ID: 2000957-02 PDI-147SC-A-00-01-200425 15.08, Description: PDI-147SC-A-00-01-200425

Name	Resp	RA	n/y	RRF	w/wol	Peak	RT	Area	Height	Area	Height	Area	Height
32 13C-1,2,3,4,6,7,8-HpCDF	3.18e5	0.44	NO	0.771	10.036	36.959	36.96	1.086	1.086	179.12	89.9	0.639	
33 13C-1,2,3,4,7,8,9-HpCDF	2.13e5	0.44	NO	0.482	10.036	38.970	38.97	1.145	1.145	192.08	96.4	1.02	
34 13C-OCDF	5.72e5	0.88	NO	0.669	10.036	41.542	41.54	1.221	1.221	371.81	93.3	0.694	
35 37Cl-2,3,7,8-TCDD	1.60e5			1.10	10.036	26.046	26.05	1.028	1.028	81.842	103	0.121	
36 13C-1,2,3,4-TCDD	3.54e5	0.80	NO	1.00	10.036	25.350	25.35	1.000	1.000	199.29	100	0.385	
37 13C-1,2,3,4-TCDF	5.92e5	0.79	NO	1.00	10.036	23.560	23.58	1.000	1.000	199.29	100	0.420	
38 13C-1,2,3,4,6,9-HxCDF	4.59e5	0.51	NO	1.00	10.036	34.000	34.03	1.000	1.000	199.29	100	0.975	
39 Total Tetra-Dioxins				0.947	10.036	24.620		0.000		1.4752		0.109	1.48
40 Total Penta-Dioxins				0.942	10.036	29.960		0.000		0.86770		0.189	1.66
41 Total Hexa-Dioxins				0.915	10.036	33.635		0.000		12.829		0.259	12.8
42 Total Hepta-Dioxins				0.898	10.036	37.640		0.000		90.046		0.651	90.0
43 Total Tetra-Furans				0.787	10.036	23.610		0.000		8.4468		0.146	9.50
44 1st Func. Penta-Furans				0.910	10.036	27.090		0.000		1.8148		0.0402	1.81
45 Total Penta-Furans				0.910	10.036	29.275		0.000		6.5679		0.157	9.16
46 Total Hexa-Furans				0.922	10.036	33.555		0.000		15.641		0.135	16.2
47 Total Hepta-Furans				0.871	10.036	37.835		0.000		28.219		0.348	28.2

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-7.qld

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Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200519R2_7, Date: 19-May-2020, Time: 18:09:46, ID: 2000957-02 PDI-147SC-A-00-01-200425 15.08, Description: PDI-147SC-A-00-01-200425

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Tetra-Dioxins	21.89	3.503e3	4.761e3	3.172e2	3.852e2	0.82	NO	7.024e2	0.37646	0.37646	0.109
Total Tetra-Dioxins	25.78	1.272e4	1.623e4	8.425e2	1.208e3	0.70	NO	2.050e3	1.0987	1.0987	0.109

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Penta-Dioxins	28.88	6.652e3	7.957e3	4.467e2	6.675e2	0.67	NO	1.114e3	0.71249	0.71249	0.189
Total Penta-Dioxins	29.35	2.357e3	3.346e3	9.716e1	1.456e2	0.67	NO	2.427e2	0.15521	0.15521	0.189
Total Penta-Dioxins	29.87	3.788e3	3.691e3	2.100e2	2.449e2	0.86	YES	0.000e0	0.00000	0.25524	0.189
Total Penta-Dioxins	30.03	5.135e3	5.013e3	2.204e2	2.503e2	0.88	YES	0.000e0	0.00000	0.26087	0.189
Total Penta-Dioxins	30.12	2.029e3	2.802e3	1.022e2	1.309e2	0.78	YES	0.000e0	0.00000	0.13639	0.189
1,2,3,7,8-PeCDD	31.12	2.214e3	5.275e3	8.722e1	2.143e2	0.41	YES	3.015e2	0.00000	0.14431	0.189

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Hexa-Dioxins	33.03	6.906e4	5.166e4	4.006e3	2.968e3	1.35	NO	6.974e3	4.5681	4.5681	0.259
Total Hexa-Dioxins	33.58	7.541e3	6.176e3	4.779e2	3.509e2	1.36	NO	8.288e2	0.54286	0.54286	0.259
Total Hexa-Dioxins	33.83	5.195e4	4.628e4	4.342e3	3.659e3	1.19	NO	8.001e3	5.2403	5.2403	0.259
1,2,3,4,7,8-HxCDD	34.52	5.892e3	6.198e3	3.753e2	3.109e2	1.21	NO	6.862e2	0.45984	0.45984	0.226
1,2,3,6,7,8-HxCDD	34.61	1.768e4	1.541e4	1.369e3	1.076e3	1.27	NO	2.445e3	1.3714	1.3714	0.238
1,2,3,7,8,9-HxCDD	34.88	8.982e3	6.951e3	5.356e2	4.444e2	1.21	NO	9.800e2	0.64656	0.64656	0.281

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Hepta-Dioxins	37.36	3.168e5	3.124e5	2.969e4	2.856e4	1.04	NO	5.826e4	51.287	51.287	0.651
1,2,3,4,6,7,8-HpCDD	38.39	2.333e5	2.359e5	2.248e4	2.154e4	1.04	NO	4.403e4	38.759	38.759	0.651

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Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Why	Resp	Cont	EMPC	DE
Total Tetra-Furans	20.93	8.115e3	1.216e4	7.498e2	1.019e3	0.74	NO	1.769e3	0.81236	0.81236	0.146
Total Tetra-Furans	21.83	9.505e3	1.278e4	9.449e2	1.183e3	0.80	NO	2.128e3	0.97701	0.97701	0.146
Total Tetra-Furans	22.29	3.723e3	5.802e3	3.349e2	4.452e2	0.75	NO	7.800e2	0.35820	0.35820	0.146
Total Tetra-Furans	22.67	2.623e3	2.936e3	2.422e2	2.771e2	0.87	NO	5.193e2	0.23845	0.23845	0.146
Total Tetra-Furans	23.58	5.604e3	5.957e3	5.621e2	9.680e2	0.58	YES	0.000e0	0.00000	0.59335	0.146
Total Tetra-Furans	24.13	2.822e4	4.270e4	2.452e3	3.634e3	0.67	NO	6.086e3	2.7947	2.7947	0.146
Total Tetra-Furans	25.02	5.110e3	4.412e3	2.779e2	2.183e2	1.27	YES	0.000e0	0.00000	0.17741	0.146
2,3,7,8-TCDF	25.12	4.076e4	5.202e4	3.173e3	3.939e3	0.81	NO	7.112e3	3.2661	3.2661	0.146
Total Tetra-Furans	25.51	4.328e3	4.368e3	3.108e2	3.500e2	0.89	YES	0.000e0	0.00000	0.28448	0.146

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Why	Resp	Cont	EMPC	DE
1st Func. Penta-Furans	27.17	3.702e4	2.384e4	2.529e3	1.642e3	1.54	NO	4.171e3	1.8148	1.8148	0.0402

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Why	Resp	Cont	EMPC	DE
Total Penta-Furans	28.65	5.887e3	3.888e3	3.805e2	2.347e2	1.62	NO	6.152e2	0.26765	0.26765	0.157
Total Penta-Furans	28.82	5.413e4	2.988e4	3.570e3	2.181e3	1.64	NO	5.750e3	2.5017	2.5017	0.157
Total Penta-Furans	29.42	8.240e3	5.383e3	4.023e2	2.338e2	1.72	NO	6.361e2	0.27675	0.27675	0.157
Total Penta-Furans	29.63	8.965e3	9.204e3	4.371e2	3.747e2	1.17	YES	0.000e0	0.00000	0.31283	0.157
1,2,3,7,8-PeCDF	29.81	8.144e4	5.066e4	4.927e3	3.276e3	1.50	NO	8.202e3	3.5218	3.5218	0.161
Total Penta-Furans	30.10	2.906e4	1.832e4	1.781e3	9.682e2	1.84	YES	0.000e0	0.00000	1.0741	0.157
2,3,4,7,8-PeCDF	30.83	4.367e4	2.525e4	2.123e3	6.177e2	3.44	YES	2.741e3	0.00000	0.65412	0.145
Total Penta-Furans	30.85	3.163e4	2.800e4	7.746e2	1.472e3	0.53	YES	0.000e0	0.00000	0.55439	0.157

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-7.qld

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Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Hy	Resp	Conc	EMPC	DL
Total Hexa-Furans	32.47	2.110e4	2.103e4	1.135e3	8.851e2	1.28	NO	2.020e3	1.0355	1.0355	0.135
Total Hexa-Furans	32.84	6.840e4	5.612e4	3.750e3	2.967e3	1.26	NO	6.717e3	3.4439	3.4439	0.135
Total Hexa-Furans	33.19	7.804e4	6.761e4	4.420e3	3.873e3	1.14	NO	8.293e3	4.2519	4.2519	0.135
1,2,3,4,7,8-HxCDF	33.65	7.578e4	6.886e4	4.977e3	4.042e3	1.23	NO	9.019e3	5.0201	5.0201	0.127
1,2,3,6,7,8-HxCDF	33.76	2.182e4	1.818e4	1.488e3	1.163e3	1.28	NO	2.651e3	1.2373	1.2373	0.124
2,3,4,6,7,8-HxCDF	34.35	1.279e4	9.026e3	6.724e2	5.957e2	1.13	NO	1.268e3	0.65255	0.65255	0.132
1,2,3,7,8,9-HxCDF	35.25	7.680e3	5.624e3	2.661e2	2.604e2	1.02	YES	5.264e2	0.00000	0.29921	0.189
Total Hexa-Furans	35.27	7.447e3	7.767e3	3.505e2	2.309e2	1.52	YES	0.000e0	0.00000	0.26514	0.135

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Hy	Resp	Conc	EMPC	DL
1,2,3,4,6,7,8-HpCDF	36.98	6.532e4	7.171e4	5.713e3	5.708e3	1.00	NO	1.142e4	8.2134	8.2134	0.297
Total Hepta-Furans	37.56	1.172e5	1.191e5	1.081e4	1.105e4	0.98	NO	2.186e4	18.817	18.817	0.348
1,2,3,4,7,8,9-HpCDF	38.98	7.338e3	9.796e3	6.339e2	6.534e2	0.97	NO	1.267e3	1.1889	1.1889	0.366

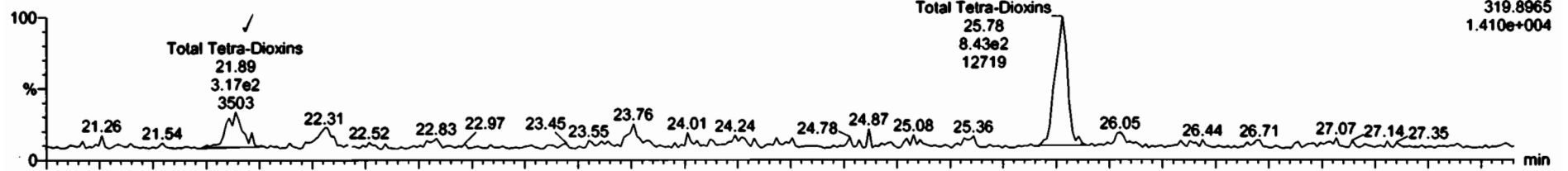
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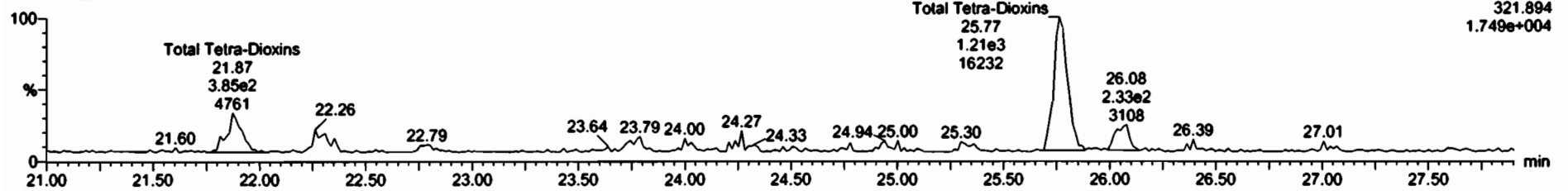
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2,3,7,8-TCDD

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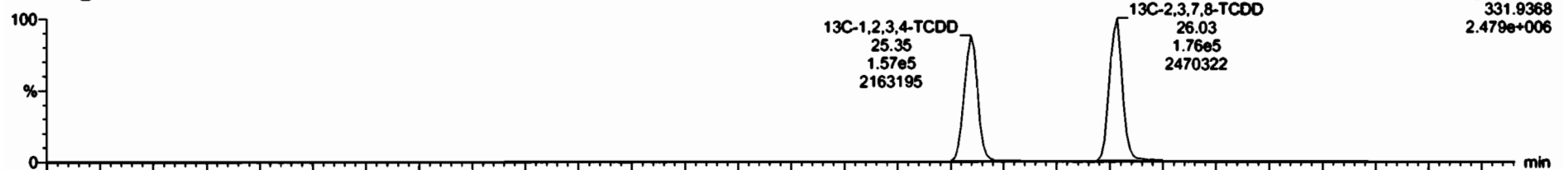


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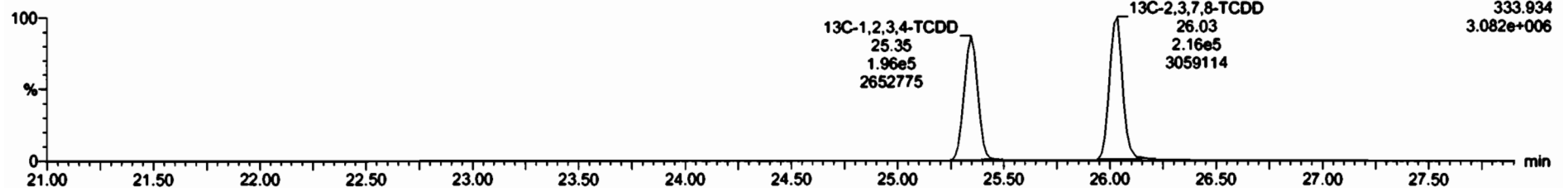


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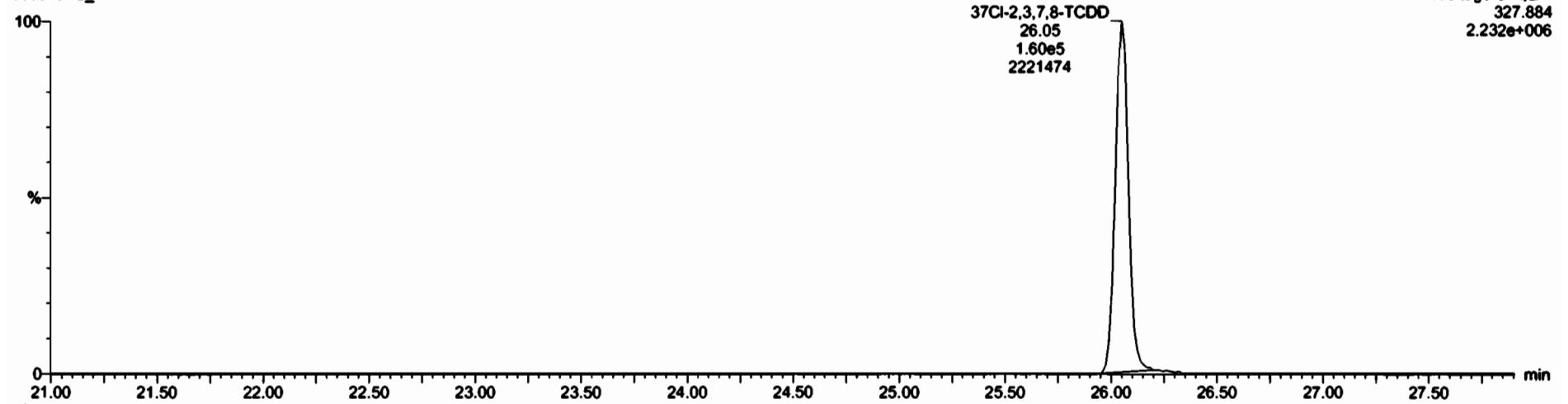


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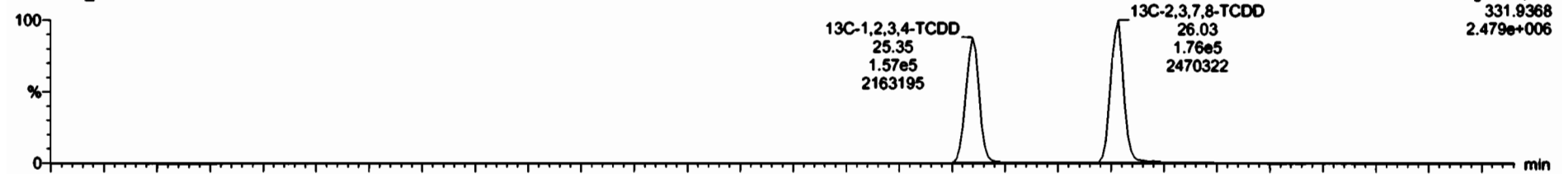
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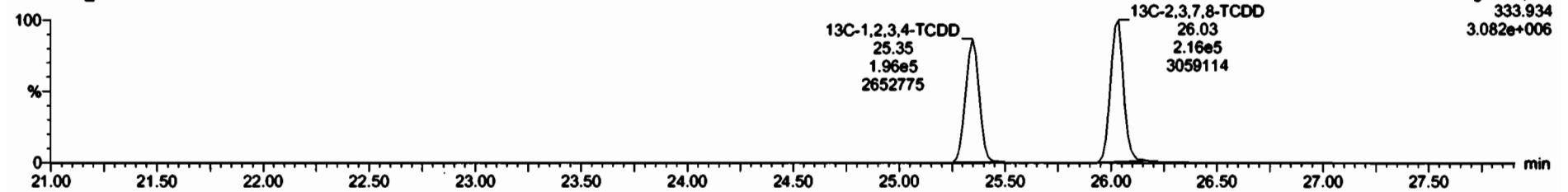
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200519R2_7



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200519R2_7



200519R2_7



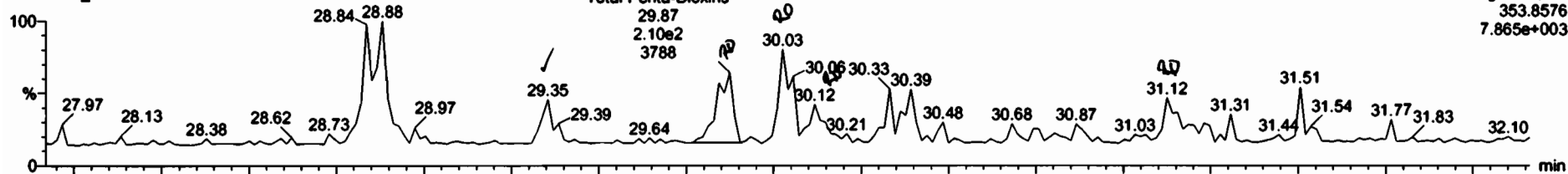
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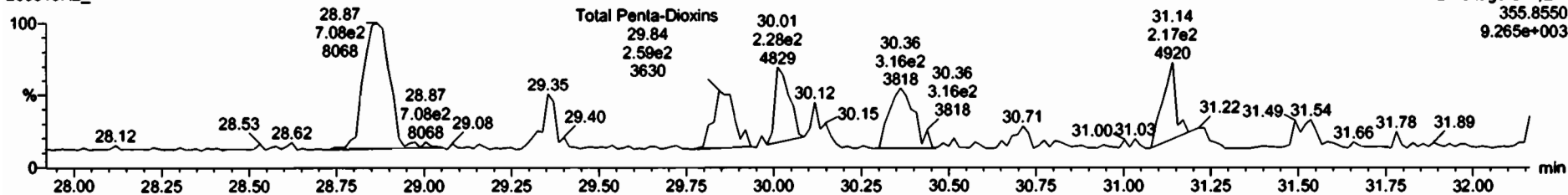
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1,2,3,7,8-PeCDD

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200519R2_7

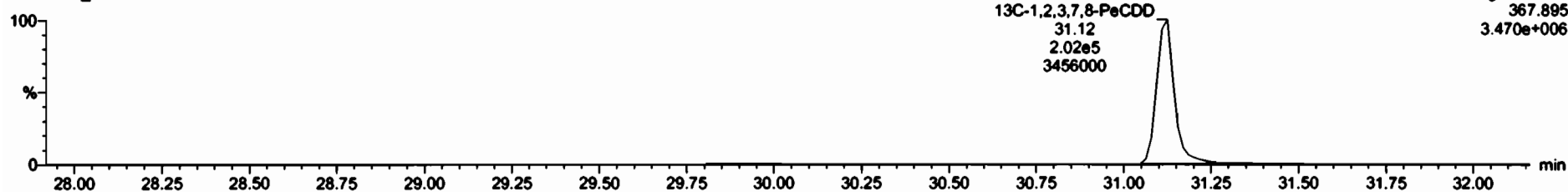


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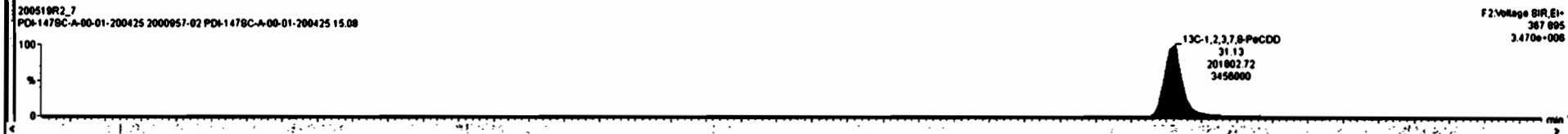
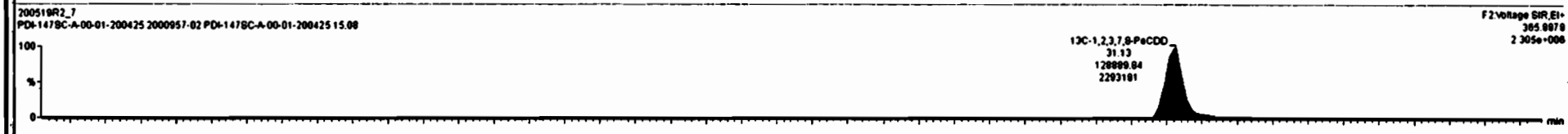
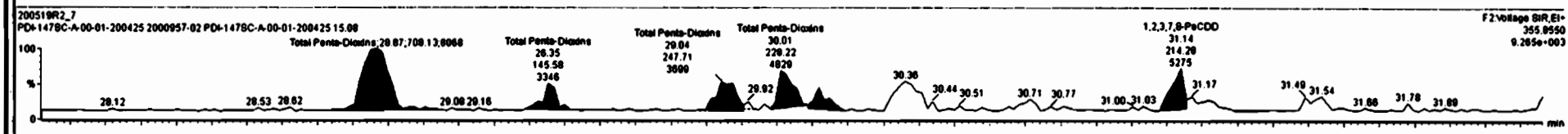
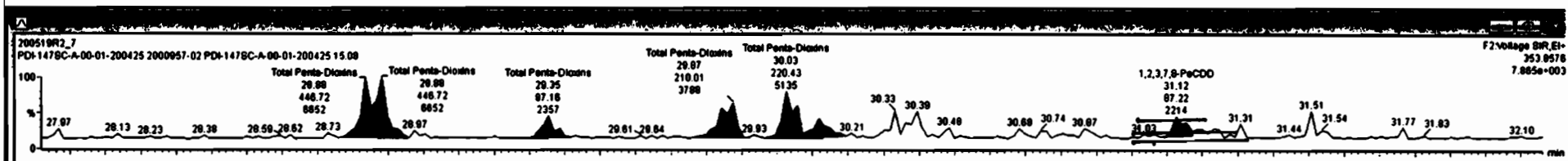
200519R2_7





Name	Range	BA	dy	RFP	width	RT	RWT	Comp.	%Area	EL	ELPC
13C-1,2,3,4,8-PeCDF	4.50e5	0.51	NO	1.0000	10.000	34.83	1.000	100	100	0.975	
Total Penta-Dioxins				0.9475	10.000			1.40		0.100	1.40

Name	RT /	act Resp	std Resp	BA	dy	ELPC	Comp.
1 Total Penta-Dioxins	28.87	4.487e2	7.081e2	0.63	NO	0.72046	0.73046
2 Total Penta-Dioxins	29.01	9.718e1	1.458e2	0.67	NO	0.15521	0.15521
3 Total Penta-Dioxins	29.35	2.100e2	2.477e2	0.86	YES	0.25018	0.80000
4 Total Penta-Dioxins	29.71	2.204e2	2.262e2	0.97	YES	0.23787	0.00000
5 Total Penta-Dioxins	30.03	1.022e2	1.154e2	0.89	YES	0.12027	0.00000
6 1,2,3,7,8-PeCDD	31.13	8.722e1	2.143e2	0.41	YES	0.14431	0.00000



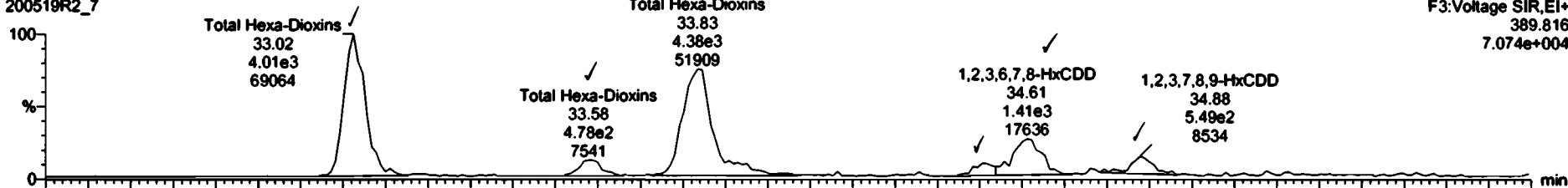
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Last Altered: Wednesday, May 20, 2020 08:24:27 Pacific Daylight Time
Printed: Wednesday, May 20, 2020 08:24:37 Pacific Daylight Time

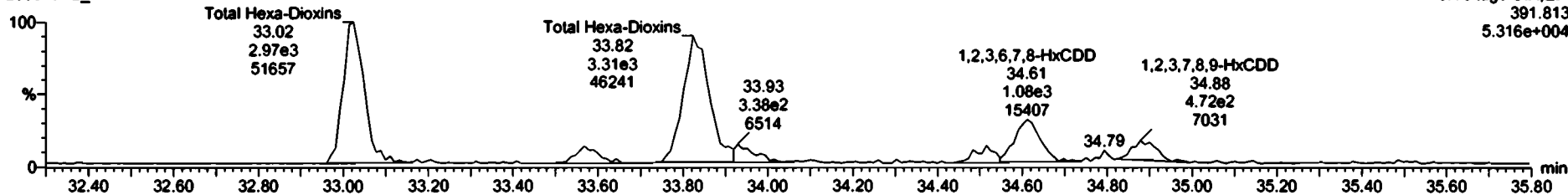
Name: 200519R2_7, Date: 19-May-2020, Time: 18:09:46, ID: 2000957-02 PDI-147SC-A-00-01-200425 15.08, Description: PDI-147SC-A-00-01-200425

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

200519R2_7

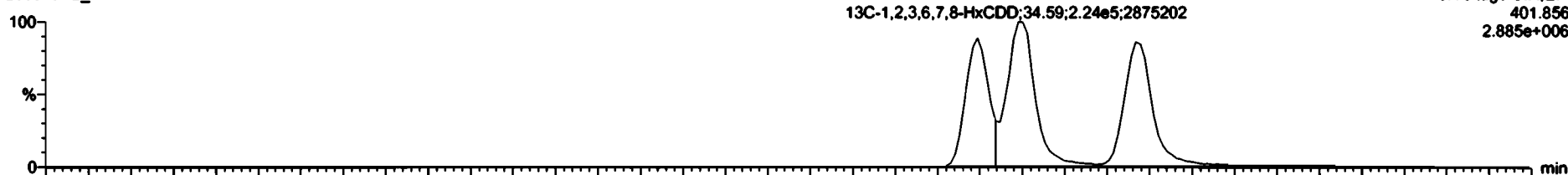


200519R2_7

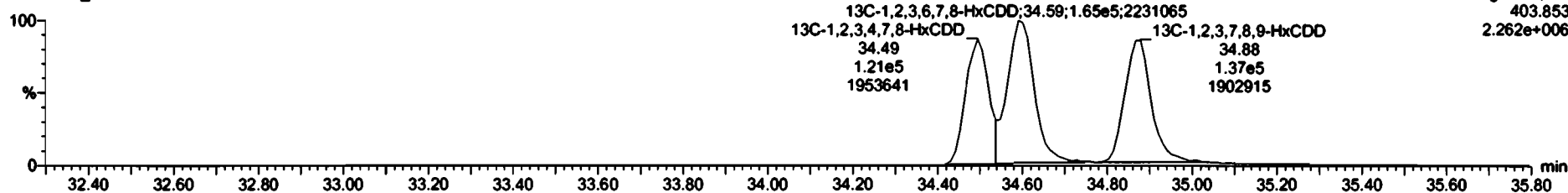


13C-1,2,3,4,7,8-HxCDD

200519R2_7



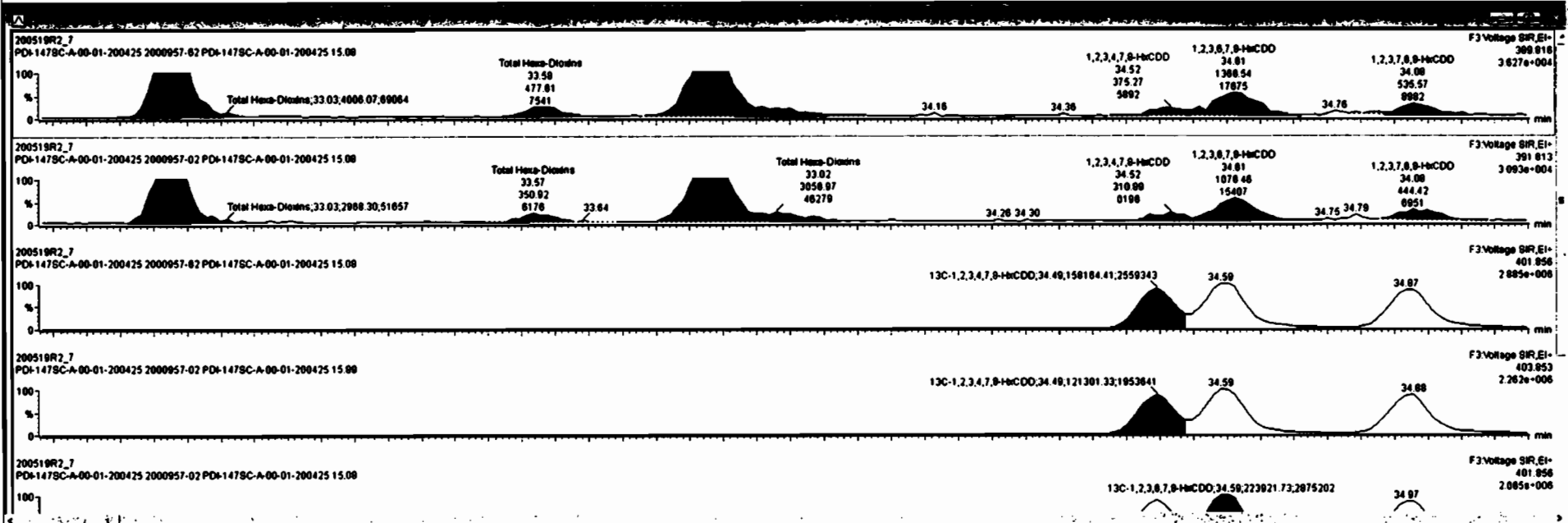
200519R2_7





#	Name	Resp	RA	adj	RF	valve	RT	RR	Comp	Ratio	CL	BPIC
01	Total Hexa-Chlorine				0.8879	10.038			80.0		0.851	80.0
02	Total Tetra-Furane				0.7871	10.038			0.54		0.148	9.51

Name	RT	adj Resp	adj Resp	RA	adj	BPIC	Comp
1 Total Hexa-Chlorine	33.03	4.008e3	2.909e3	1.35	NO	4.5991	4.5991
2 Total Hexa-Chlorine	33.58	4.779e2	3.508e2	1.38	NO	0.54288	0.54288
3 Total Hexa-Chlorine	33.83	4.342e3	3.889e3	1.19	NO	5.2403	5.2403
4 1,2,3,4,7,8-HxCDD	34.52	3.753e2	3.108e2	1.21	NO	0.48894	0.48894
5 1,2,3,6,7,8-HxCDD	34.81	1.389e3	1.078e3	1.27	NO	1.3714	1.3714
6 1,2,3,7,8,9-HxCDD	34.88	5.358e2	4.444e2	1.21	NO	0.84858	0.84858



Dataset: Untitled

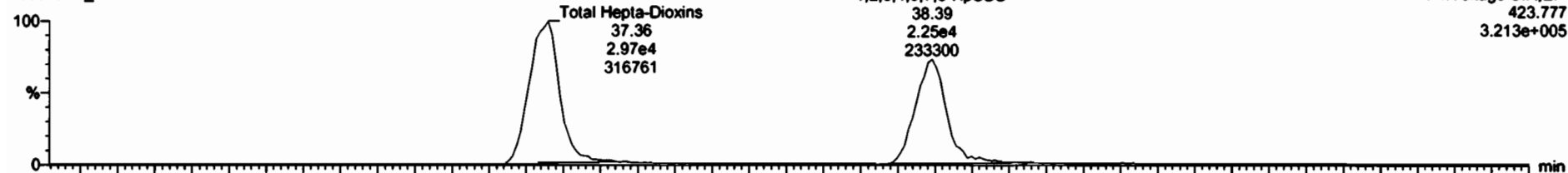
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Printed: Wednesday, May 20, 2020 08:24:37 Pacific Daylight Time

Name: 200519R2_7, Date: 19-May-2020, Time: 18:09:46, ID: 2000957-02 PDI-147SC-A-00-01-200425 15.08, Description: PDI-147SC-A-00-01-200425

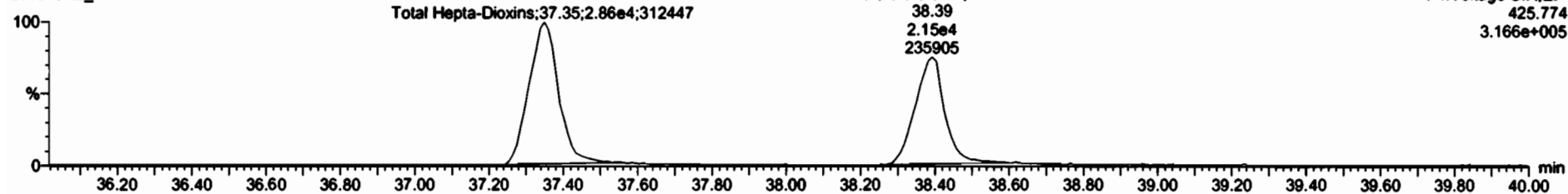
1,2,3,4,6,7,8-HpCDD

200519R2_7



F4: Voltage SIR, EI+
423.777
3.213e+005

200519R2_7



F4: Voltage SIR, EI+
425.774
3.166e+005

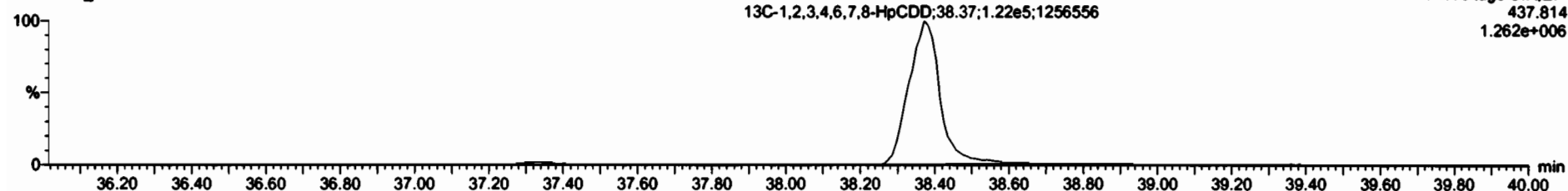
13C-1,2,3,4,6,7,8-HpCDD

200519R2_7



F4: Voltage SIR, EI+
435.817
1.363e+006

200519R2_7

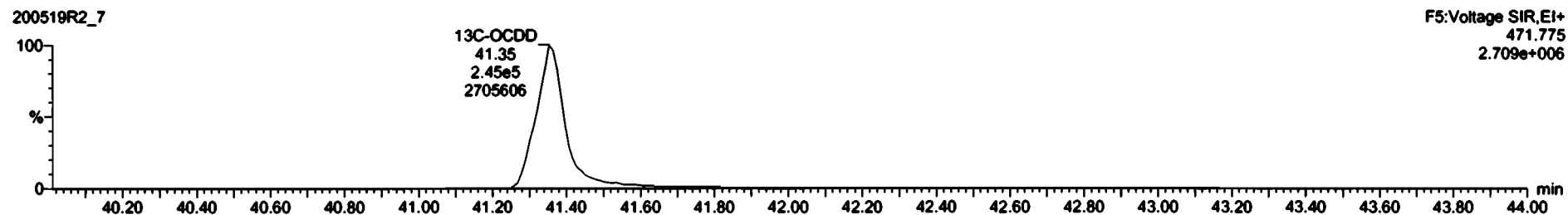
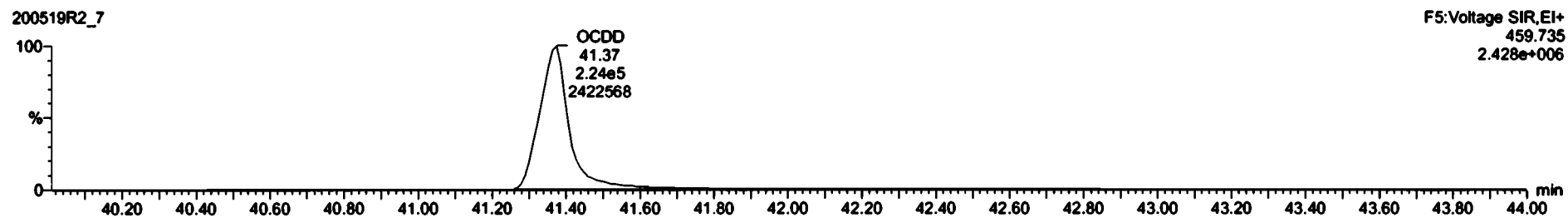
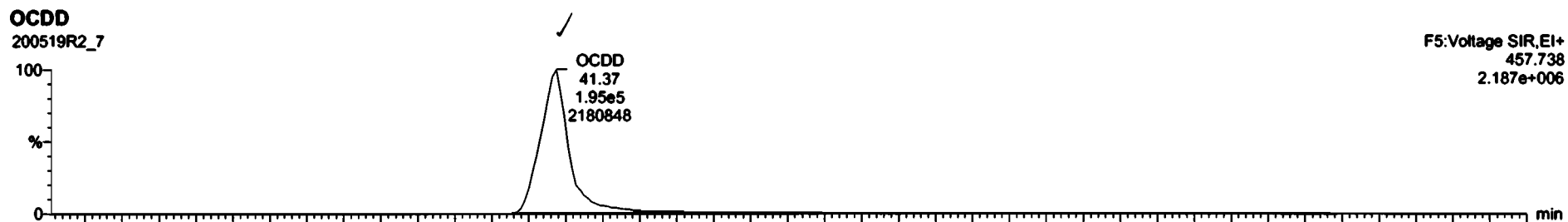


F4: Voltage SIR, EI+
437.814
1.262e+006

Dataset: Untitled

Last Altered: Wednesday, May 20, 2020 08:24:27 Pacific Daylight Time
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Name: 200519R2_7, Date: 19-May-2020, Time: 18:09:46, ID: 2000957-02 PDI-147SC-A-00-01-200425 15.08, Description: PDI-147SC-A-00-01-200425



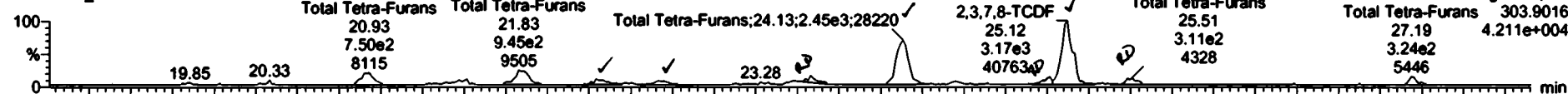
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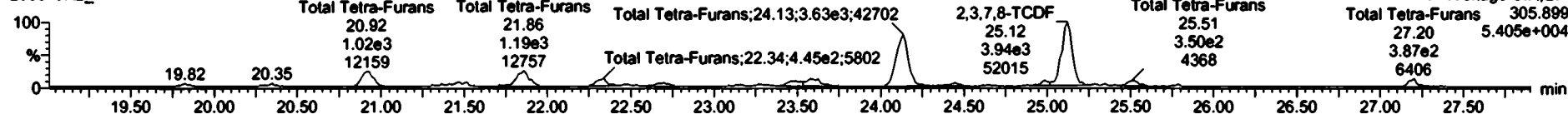
Name: 200519R2_7, Date: 19-May-2020, Time: 18:09:46, ID: 2000957-02 PDI-147SC-A-00-01-200425 15.08, Description: PDI-147SC-A-00-01-200425

2,3,7,8-TCDF

200519R2_7

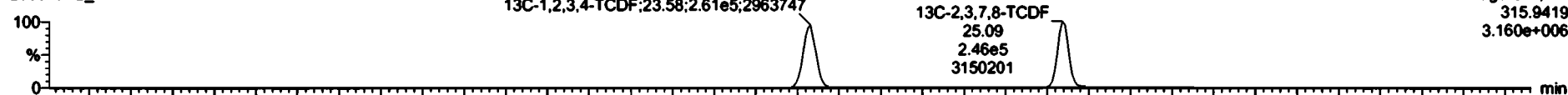


200519R2_7

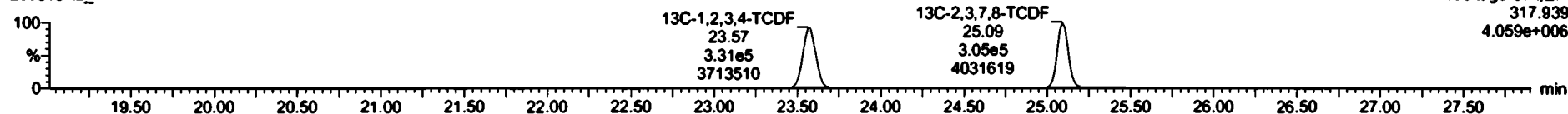


13C-2,3,7,8-TCDF

200519R2_7

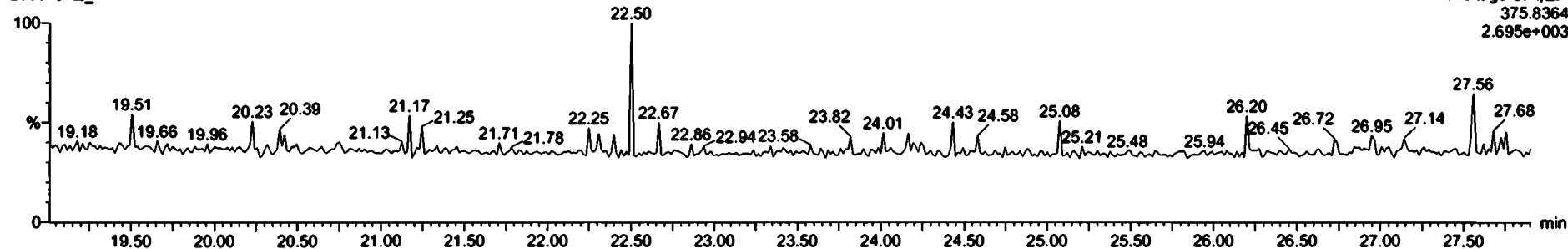


200519R2_7



DPE1

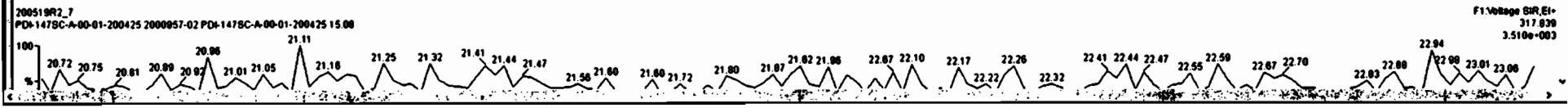
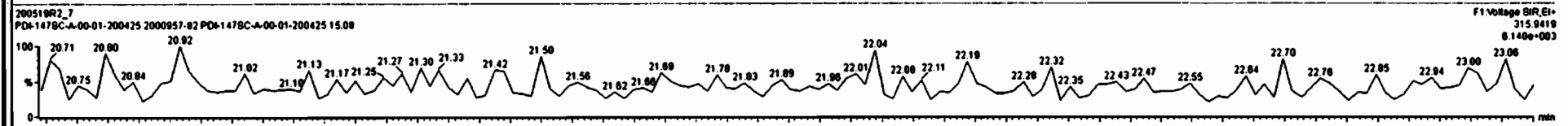
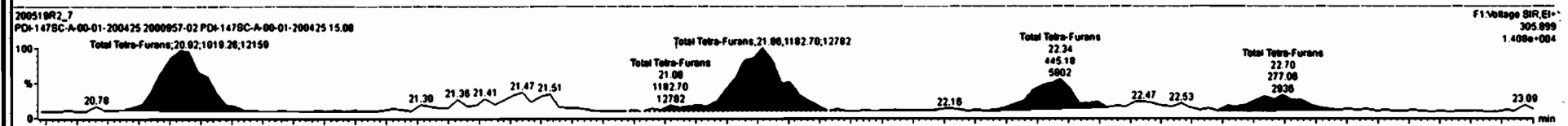
200519R2_7



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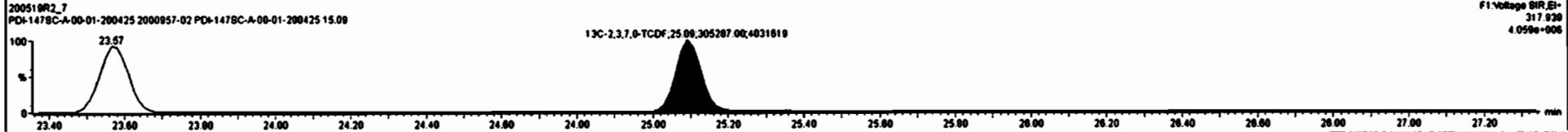
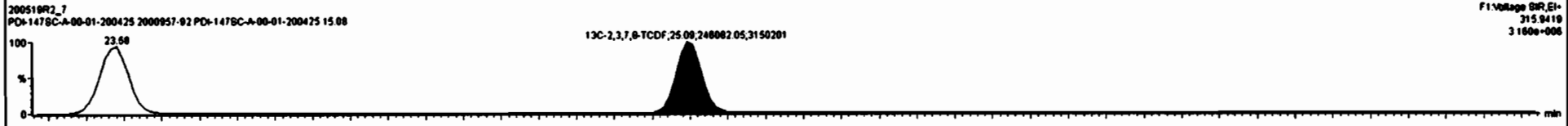
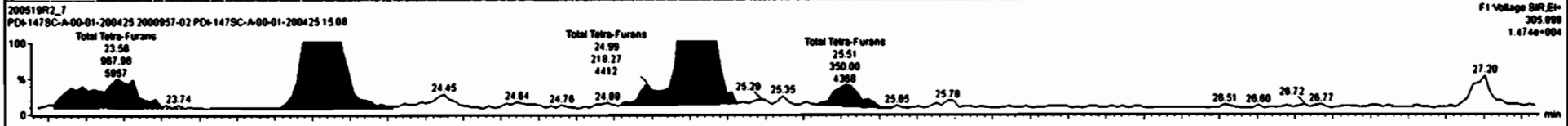
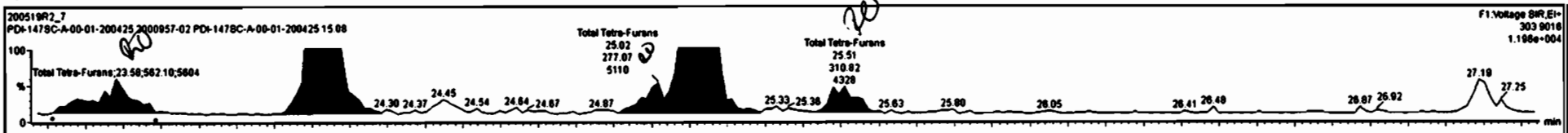
ID	Name	Resp	RA	Adj	RF	Initial	RT	RRT	Comp.	MFrac	EL	BMPC
41	Total Hexa-Chloro				0.0145	10.030			12.0		0.250	12.0
42	Total Hepta-Chloro				0.0070	10.030			80.0		0.051	80.0
43	Total Octa-Chloro											

ID	Name	RT	Std Resp	Std Resp	RA	Adj	BMPC	Comp.
1	Total Tetra-Furans	20.83	7.400e2	1.019e3	0.74	NO	0.81238	0.81238
2	Total Tetra-Furans	21.83	9.440e2	1.183e3	0.80	NO	0.87701	0.87701
3	Total Tetra-Furans	22.30	3.340e2	4.483e2	0.75	NO	0.38820	0.38820
4	Total Tetra-Furans	22.87	2.422e2	2.771e2	0.87	NO	0.23846	0.23846
5	Total Tetra-Furans	23.58	2.747e2	6.030e2	0.46	YES	0.29000	0.00000
6	Total Tetra-Furans	24.13	2.452e3	3.834e3	0.87	NO	2.7947	2.7947
7	Total Tetra-Furans	25.02	2.770e2	2.183e2	1.27	YES	0.17741	0.00000
8	2,3,7,8-TCDF	25.12	3.173e3	3.830e3	0.81	NO	3.2881	3.2881
9	Total Tetra-Furans	25.51	3.108e2	3.900e2	0.80	YES	0.28448	0.00000



RT	Area	Height	Width	Area%	Height%	Width%
12.0	0.250	12.0				
80.0	0.651	80.0				

RT	Area	Height	Width	Area%	Height%	Width%
20.83	0.81238	0.81238				
21.83	0.87701	0.87701				
22.28	0.38820	0.38820				
22.87	0.23845	0.23845				
23.58	0.00000	0.00000				
24.13	2.7947	2.7947				
25.02	0.00000	0.00000				
25.12	3.2881	3.2881				
25.51	0.00000	0.00000				



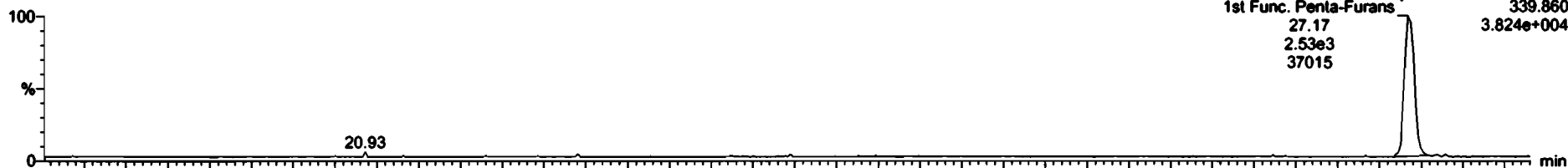
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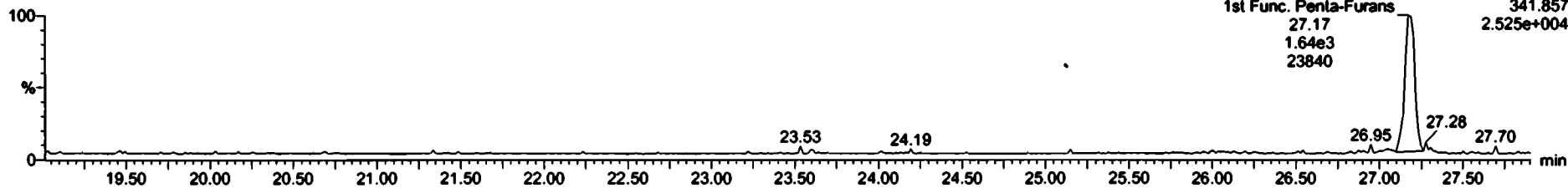
Name: 200519R2_7, Date: 19-May-2020, Time: 18:09:46, ID: 2000957-02 PDI-147SC-A-00-01-200425 15.08, Description: PDI-147SC-A-00-01-200425

1st Func. Penta-Furans

200519R2_7

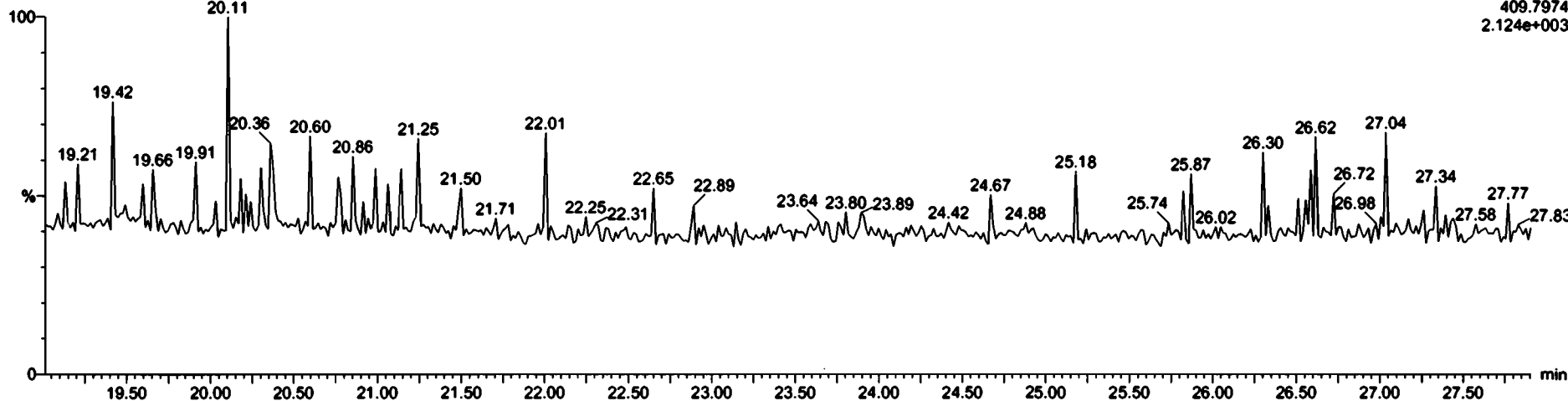


200519R2_7



DPE6

200519R2_7

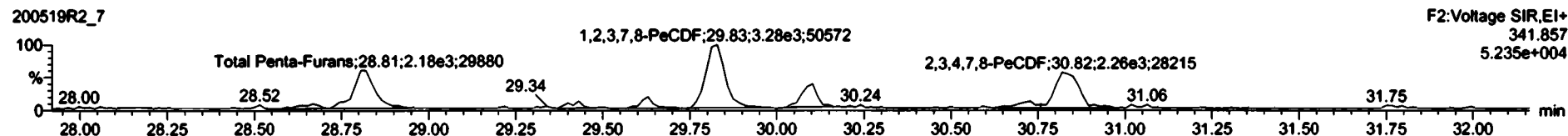
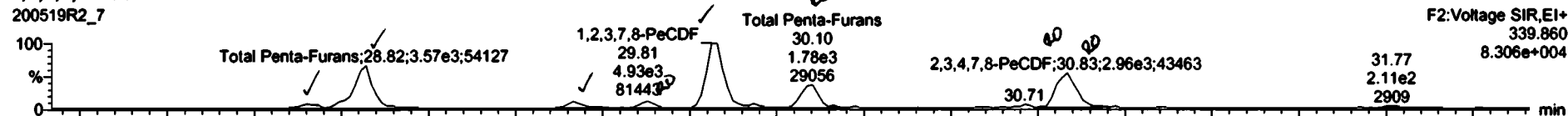


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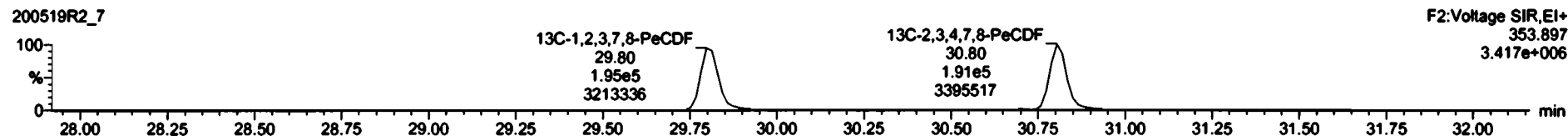
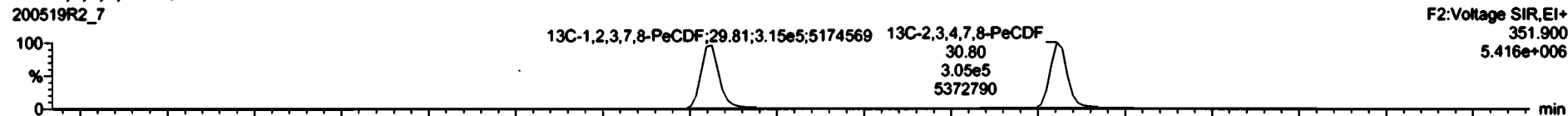
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Name: 200519R2_7, Date: 19-May-2020, Time: 18:09:46, ID: 2000957-02 PDI-147SC-A-00-01-200425 15.08, Description: PDI-147SC-A-00-01-200425

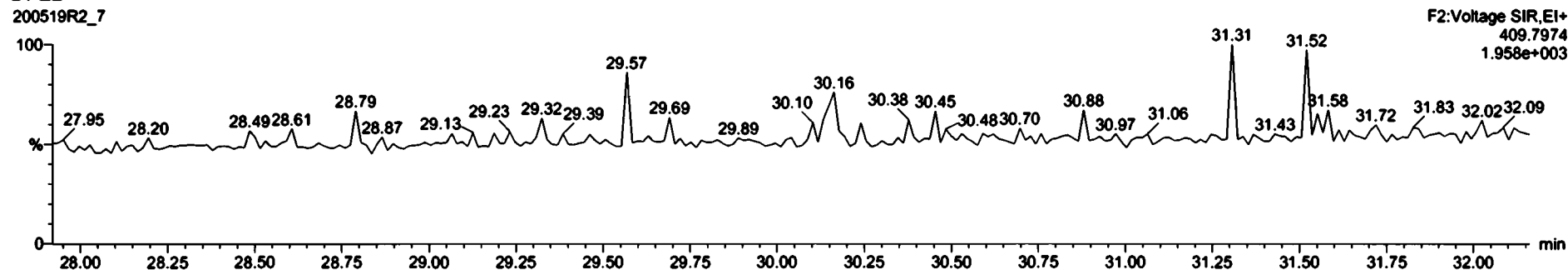
1,2,3,7,8-PeCDF



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

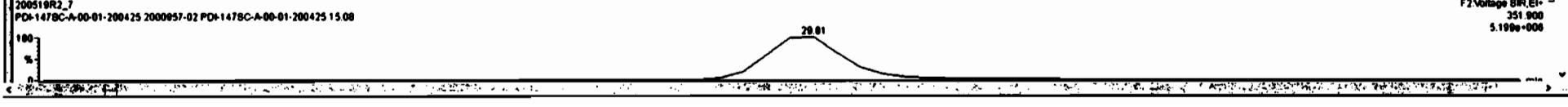
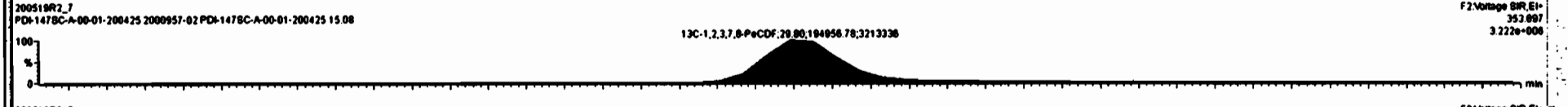
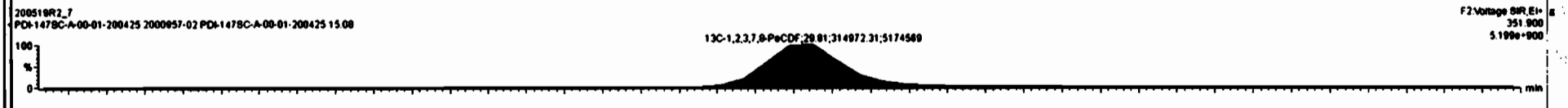
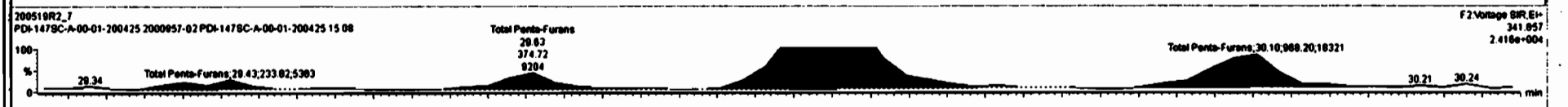
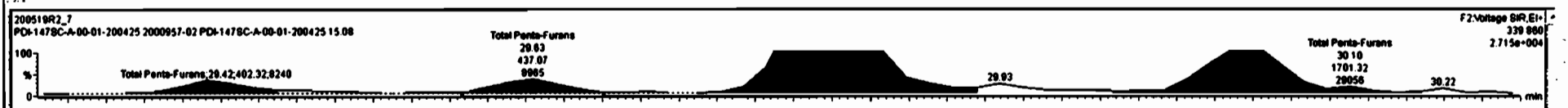


DPE2



RT	Name	Resp	RA	ndy	RP	width	RT	RRT	Cons.	%Res	DL	EMPC
44	1st Func. Penta-Furane				0.9102	10.036			1.81		0.0402	1.81
45												
46	Total Hemo-Furane				0.8217	10.036			15.8		0.136	15.8

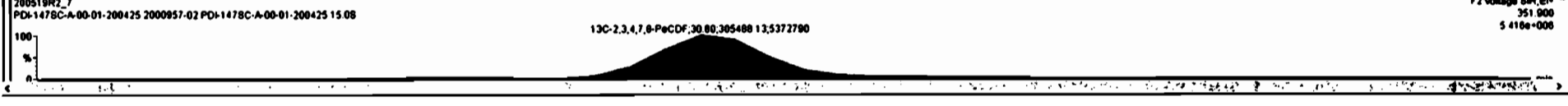
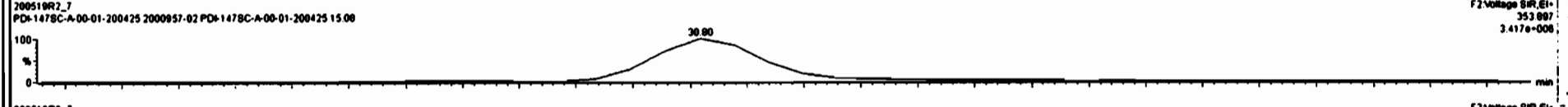
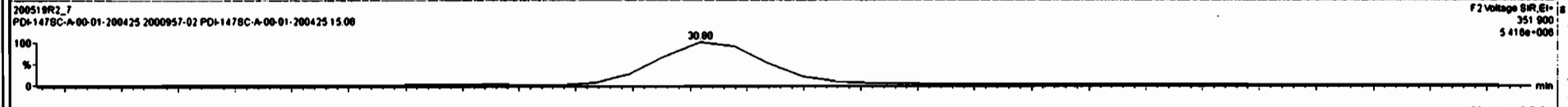
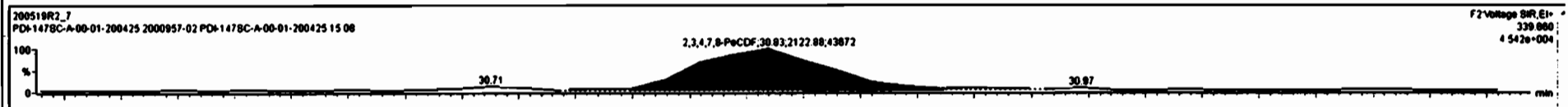
RT	Name	end Resp	end Resp	RA	ndy	EMPC	Cons.
1	Total Penta-Furane	28.85	3.805e2	2.347e2	1.82	NO	0.28785
2	Total Penta-Furane	28.82	3.578e3	2.181e3	1.84	NO	2.5017
3	Total Penta-Furane	28.42	4.023e2	2.338e2	1.72	NO	0.27875
4	Total Penta-Furane	28.83	4.371e2	3.747e2	1.17	YES	0.31283
5	1,2,3,7,8-PeCDF	28.81	4.827e3	3.278e3	1.50	NO	3.5218
6	Total Penta-Furane	30.10	1.781e3	8.882e2	1.84	YES	1.0741
7	2,3,4,7,8-PeCDF	30.83	2.866e3	2.286e3	1.31	YES	2.0181



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Time	Mass	Resp	RA	ndy	RF	ndV	RT	RRT	Cons	Q/Sec	DL	EMPC
04	1st Func. Penta-Furans				0.9102	10.038			1.81		0.0402	1.81
05												
06	Total Hexa-Furans				0.9217	10.038			15.81		0.1351	15.81

Time	RT /	nd Resp	nd Resp	RA	ndy	EMPC	Cons.
1	Total Penta-Furans	29.85	3.806e2	2.347e2	1.82	NO	0.26785
2	Total Penta-Furans	29.82	3.570e3	2.181e3	1.84	NO	2.5917
3	Total Penta-Furans	29.42	4.023e2	2.338e2	1.72	NO	0.27875
4	Total Penta-Furans	29.53	4.371e2	3.747e2	1.17	YES	0.31283
5	1,2,3,7,8-PeCDF	29.81	4.827e3	3.278e3	1.50	NO	3.5218
6	Total Penta-Furans	30.10	1.781e3	9.882e2	1.84	YES	1.0741
7	2,3,4,7,8-PeCDF	30.83	2.123e3	6.177e2	3.44	YES	0.85412
8	Total Penta-Furans	30.85	7.748e2	1.472e3	0.53	YES	0.55430

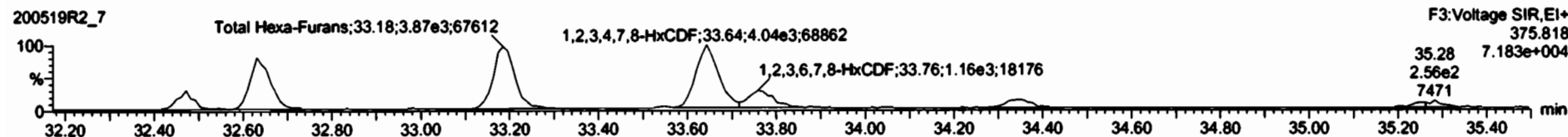
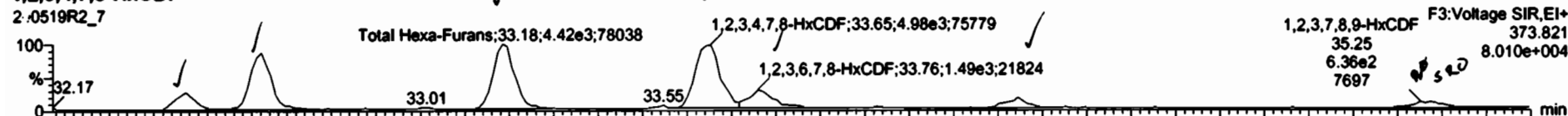


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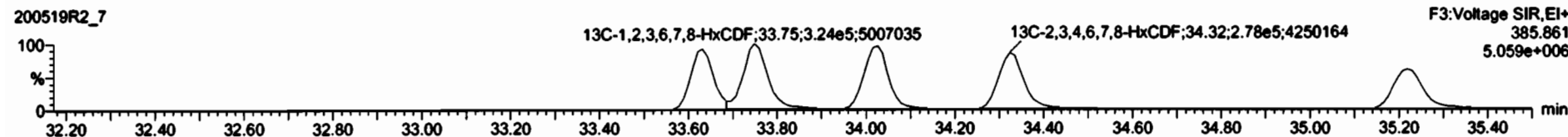
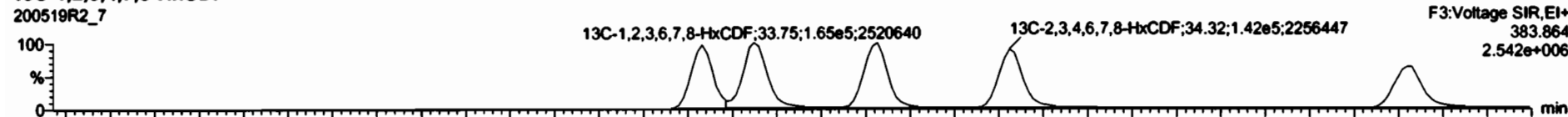
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Name: 200519R2_7, Date: 19-May-2020, Time: 18:09:46, ID: 2000957-02 PDI-147SC-A-00-01-200425 15.08, Description: PDI-147SC-A-00-01-200425

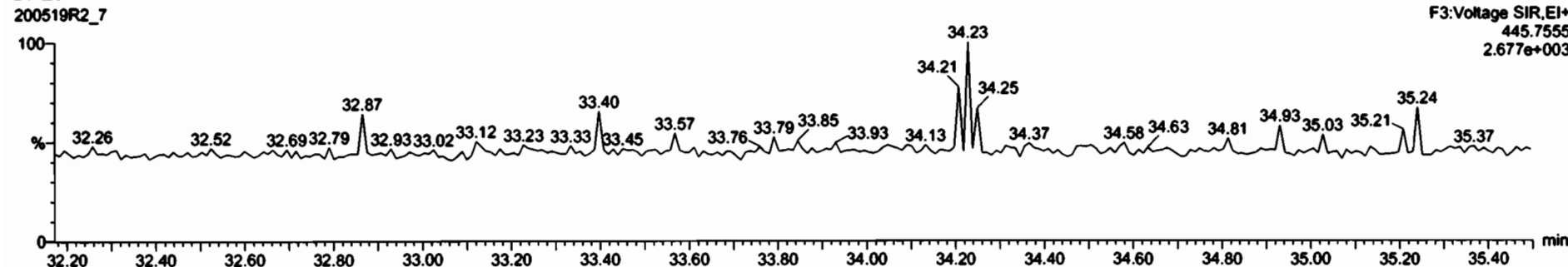
1,2,3,4,7,8-HxCDF



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



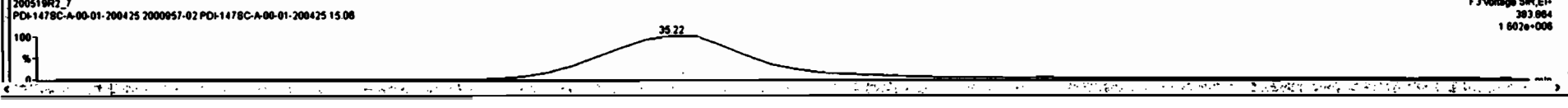
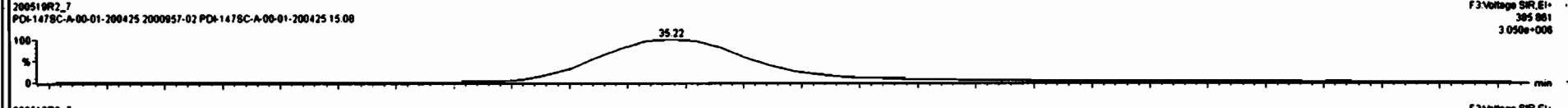
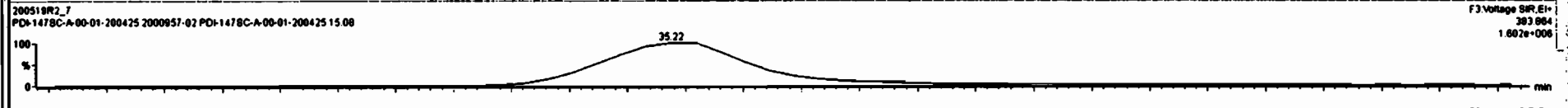
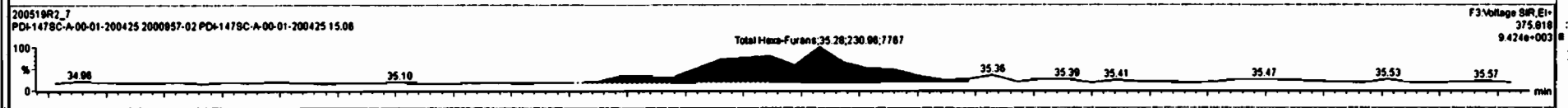
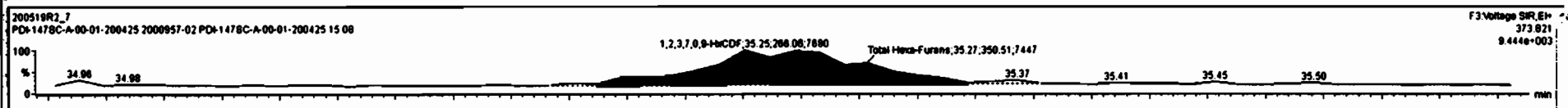
DPE3



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RT	Mass	Resp	RA	rdy	RF	rdvd	RT	RF	Cons.	Units	DL	BMPC
04	1st Func. Para-Furane				0.9102	10.036			1.81		0.0402	1.81
05	Total Para-Furane				0.9102	10.036			6.57		0.157	9.16

RT	Mass	RF	rd Resp	rd2 Resp	RA	rdy	BMPC	Cons.
1	Total Hexa-Furane	32.47	1.135e3	6.851e2	1.26	NO	1.0355	1.0355
2	Total Hexa-Furane	32.84	3.790e3	2.987e3	1.26	NO	3.4438	3.4438
3	Total Hexa-Furane	33.19	4.420e3	3.873e3	1.14	NO	4.2518	4.2518
4	1,2,3,4,7,8-HxCDF	33.85	4.877e3	4.042e3	1.23	NO	5.0201	5.0201
5	1,2,3,6,7,8-HxCDF	33.76	1.488e3	1.163e3	1.28	NO	1.2373	1.2373
6	2,3,4,6,7,8-HxCDF	34.35	6.724e2	5.957e2	1.13	NO	0.65256	0.65256
7	1,2,3,7,8,9-HxCDF	35.25	2.881e2	2.804e2	1.02	YES	0.26821	0.00000
8	Total Hexa-Furane	35.27	3.506e2	2.309e2	1.52	YES	0.26614	0.00000

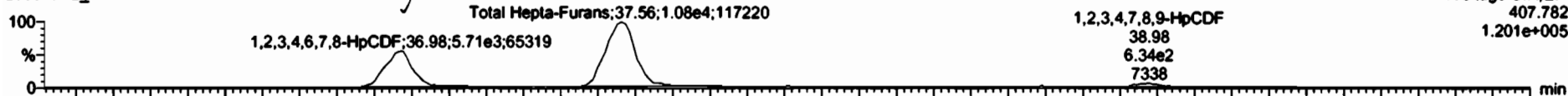


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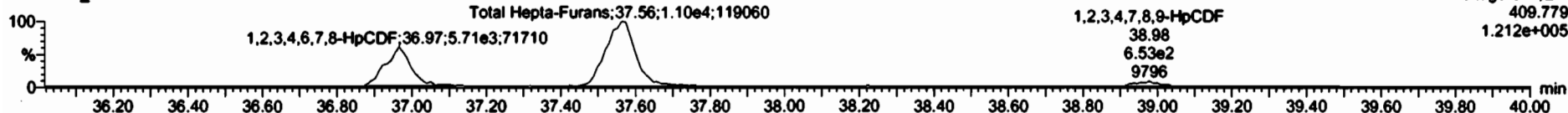
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Printed: Wednesday, May 20, 2020 08:24:37 Pacific Daylight Time

Name: 200519R2_7, Date: 19-May-2020, Time: 18:09:46, ID: 2000957-02 PDI-147SC-A-00-01-200425 15.08, Description: PDI-147SC-A-00-01-200425

1,2,3,4,6,7,8-HpCDF
200519R2_7



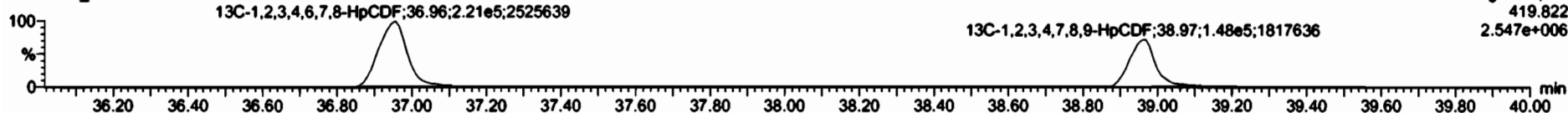
200519R2_7



13C-1,2,3,4,6,7,8-HpCDF
200519R2_7

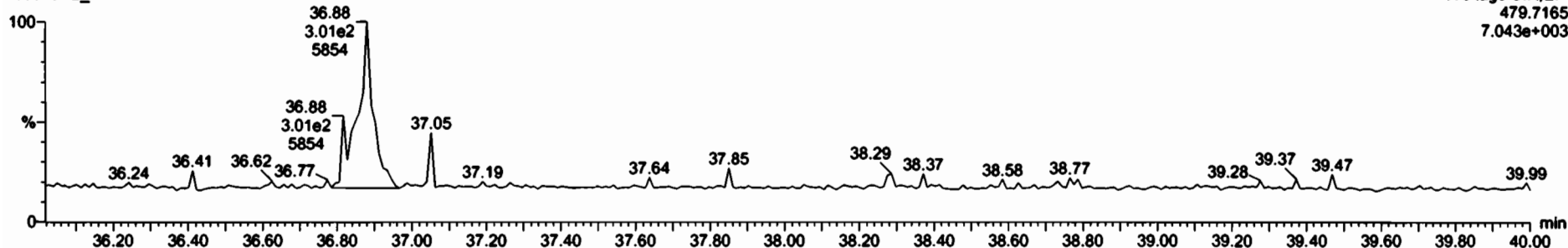


200519R2_7



DPE4

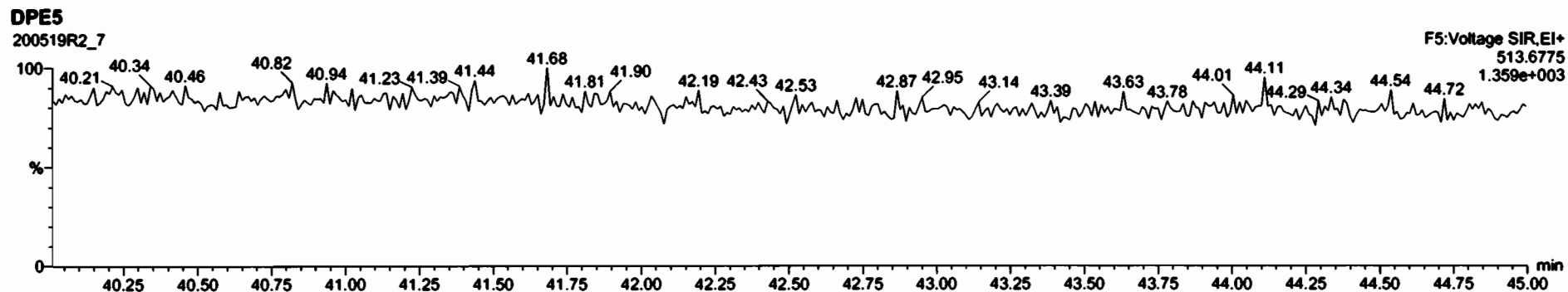
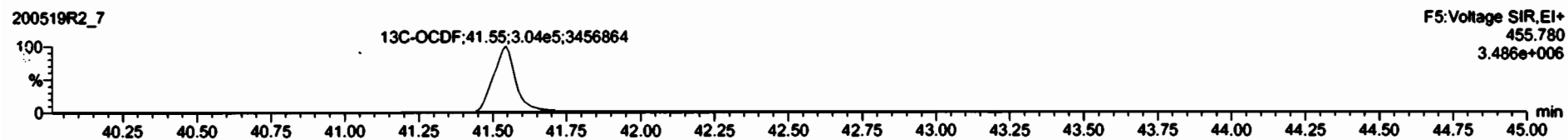
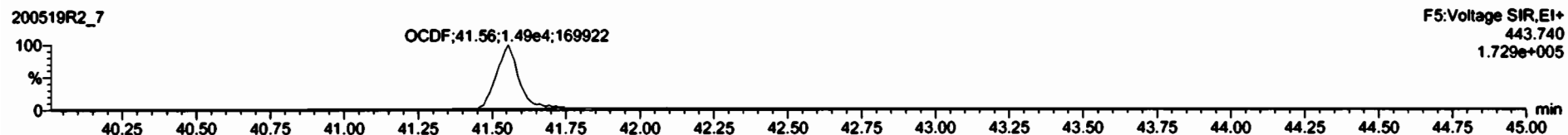
200519R2_7



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Last Altered: Wednesday, May 20, 2020 08:24:27 Pacific Daylight Time
Printed: Wednesday, May 20, 2020 08:24:37 Pacific Daylight Time

Name: 200519R2_7, Date: 19-May-2020, Time: 18:09:46, ID: 2000957-02 PDI-147SC-A-00-01-200425 15.08, Description: PDI-147SC-A-00-01-200425

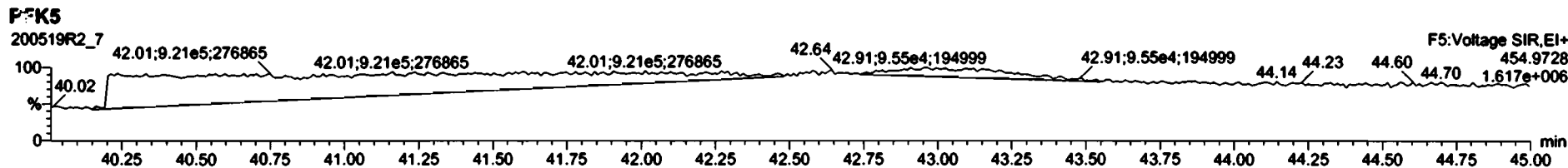
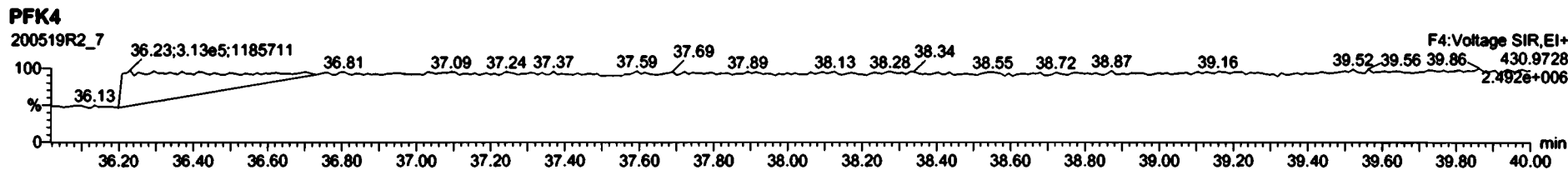
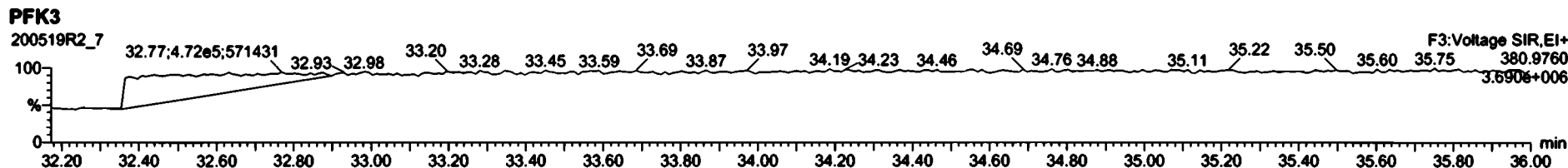
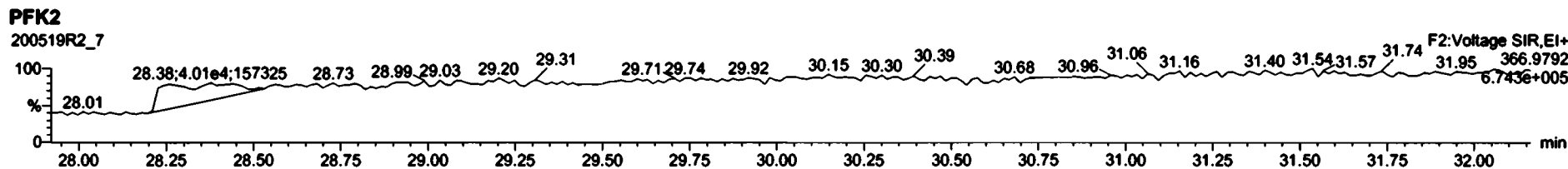
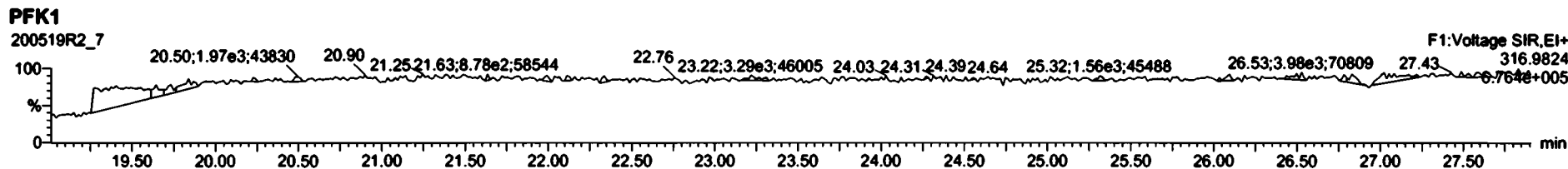


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Printed: Wednesday, May 20, 2020 08:24:37 Pacific Daylight Time

Name: 200519R2_7, Date: 19-May-2020, Time: 18:09:46, ID: 2000957-02 PDI-147SC-A-00-01-200425 15.08, Description: PDI-147SC-A-00-01-200425



Dataset: U:\VG12.PRO\Results\200519R2\200519R2-8.qld

Last Altered: Thursday, May 21, 2020 09:14:39 Pacific Daylight Time
Printed: Thursday, May 21, 2020 09:16:30 Pacific Daylight Time

BL 05/21/2020

CT 06/02/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200519R2_8, Date: 19-May-2020, Time: 18:55:58, ID: 2000957-03 PDI-147SC-A-05-06-200425 14.49, Description: PDI-147SC-A-05-06-200425

Peak	Comp	RA	n/y	RRF	w/wd	Prod.RT	RT	Prod.RRT	RR	Doc	DU	DU	
1	2,3,7,8-TCDD	5.30e2	0.86	NO	0.947	10.020	26.051	26.03	1.001	1.001	0.82110	0.413	0.821
2	1,2,3,7,8-PeCDD	2.47e2	0.63	NO	0.942	10.020	31.147	31.14	1.001	1.000	0.47058	0.221	0.471
3	1,2,3,4,7,8-HxCDD	1.58e3	0.94	YES	1.06	10.020	34.505	34.60	1.000	1.003	3.5556	0.844	3.11
4	1,2,3,6,7,8-HxCDD			NO	0.915	10.020	34.601		1.000			0.882	
5	1,2,3,7,8,9-HxCDD	6.81e2	1.27	NO	0.915	10.020	34.878	34.89	1.000	1.001	1.6729	1.05	1.67
6	1,2,3,4,6,7,8-HpCDD	5.31e4	0.99	NO	0.898	10.020	38.384	38.39	1.000	1.001	194.18	2.33	194
7	OCDD	3.98e5	0.87	NO	0.933	10.020	41.354	41.38	1.000	1.001	1607.7	2.93	1610
8	2,3,7,8-TCDF	4.90e3	0.70	NO	0.787	10.020	25.117	25.11	1.001	1.001	5.8204	0.636	5.82
9	1,2,3,7,8-PeCDF	5.05e3	1.52	NO	0.910	10.020	29.834	29.81	1.001	1.000	6.3904	0.658	6.39
10	2,3,4,7,8-PeCDF	2.50e3	1.45	NO	0.966	10.020	30.835	30.83	1.001	1.001	3.0207	0.549	3.02
11	1,2,3,4,7,8-HxCDF	5.36e3	1.21	NO	0.878	10.020	33.632	33.65	1.000	1.001	9.3291	0.354	9.33
12	1,2,3,6,7,8-HxCDF	1.79e3	1.01	YES	0.874	10.020	33.759	33.76	1.000	1.000	2.7413	0.345	2.46
13	2,3,4,6,7,8-HxCDF	5.93e2	1.43	YES	0.922	10.020	34.369	34.32	1.001	1.000	1.0162	0.409	0.940
14	1,2,3,7,8,9-HxCDF	3.15e2	1.23	NO	0.864	10.020	35.219	35.26	1.000	1.001	0.69235	0.574	0.692
15	1,2,3,4,6,7,8-HpCDF	5.40e3	1.05	NO	0.871	10.020	36.992	36.97	1.001	1.000	15.393	0.635	15.4
16	1,2,3,4,7,8,9-HpCDF	5.16e2	0.94	NO	1.01	10.020	38.947	38.97	1.000	1.001	1.9556	0.786	1.96
17	OCDF	1.79e4	0.85	NO	0.802	10.020	41.548	41.55	1.000	1.000	64.804	0.654	64.8
18	13C-2,3,7,8-TCDD	1.36e5	0.78	NO	1.16	10.020	26.000	26.02	1.026	1.027	143.40	71.8	0.540
19	13C-1,2,3,7,8-PeCDD	1.11e5	0.61	NO	0.847	10.020	31.086	31.13	1.227	1.229	160.52	80.4	0.517
20	13C-1,2,3,4,7,8-HxCDD	8.32e4	1.35	NO	0.750	10.020	34.506	34.49	1.014	1.014	116.05	58.1	0.970
21	13C-1,2,3,6,7,8-HxCDD	1.06e5	1.31	NO	0.963	10.020	34.618	34.60	1.017	1.017	114.78	57.5	0.755
22	13C-1,2,3,7,8,9-HxCDD	8.89e4	1.30	NO	0.838	10.020	34.887	34.87	1.025	1.025	110.97	55.6	0.869
23	13C-1,2,3,4,6,7,8-HpCDD	6.07e4	1.10	NO	0.641	10.020	38.378	38.37	1.128	1.128	99.021	49.6	0.842
24	13C-OCDD	1.06e5	0.87	NO	0.586	10.020	41.372	41.35	1.216	1.215	188.82	47.3	1.11
25	13C-2,3,7,8-TCDF	2.13e5	0.81	NO	1.03	10.020	25.060	25.09	0.989	0.991	144.84	72.6	0.713
26	13C-1,2,3,7,8-PeCDF	1.73e5	1.64	NO	0.845	10.020	29.777	29.81	1.176	1.177	143.94	72.1	1.12
27	13C-2,3,4,7,8-PeCDF	1.71e5	1.64	NO	0.814	10.020	30.767	30.80	1.215	1.216	147.29	73.8	1.16
28	13C-1,2,3,4,7,8-HxCDF	1.31e5	0.51	NO	1.00	10.020	33.645	33.63	0.989	0.988	135.92	68.1	1.04
29	13C-1,2,3,6,7,8-HxCDF	1.51e5	0.50	NO	1.14	10.020	33.767	33.75	0.992	0.992	138.96	69.6	0.918
30	13C-2,3,4,6,7,8-HxCDF	1.26e5	0.51	NO	1.02	10.020	34.336	34.33	1.009	1.009	129.06	64.7	1.02
31	13C-1,2,3,7,8,9-HxCDF	1.05e5	0.51	NO	0.845	10.020	35.227	35.22	1.035	1.035	130.29	65.3	1.24

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-8.qld

Last Altered: Thursday, May 21, 2020 09:14:39 Pacific Daylight Time
Printed: Thursday, May 21, 2020 09:16:30 Pacific Daylight Time

Name: 200519R2_8, Date: 19-May-2020, Time: 18:55:58, ID: 2000957-03 PDI-147SC-A-05-06-200425 14.49, Description: PDI-147SC-A-05-06-200425

#	Name	Conc	PAH	n/y	RR	W/W	W/W	W/W	W/W	W/W	W/W	W/W	W/W
32	13C-1,2,3,4,6,7,8-HpCDF	8.04e4	0.45	NO	0.771	10.020	36.959	36.96	1.086	1.086	109.08	54.7	0.800
33	13C-1,2,3,4,7,8,9-HpCDF	5.21e4	0.40	NO	0.482	10.020	38.970	38.95	1.145	1.145	112.91	56.6	1.28
34	13C-OCDF	1.37e5	0.87	NO	0.669	10.020	41.542	41.55	1.221	1.221	214.80	53.8	0.975
35	37Cl-2,3,7,8-TCDD	5.64e4			1.10	10.020	26.030	26.05	1.028	1.028	62.827	78.7	0.259
36	13C-1,2,3,4-TCDD	1.63e5	0.81	NO	1.00	10.020	25.350	25.33	1.000	1.000	199.59	100	0.626
37	13C-1,2,3,4-TCDF	2.84e5	0.79	NO	1.00	10.020	23.560	23.55	1.000	1.000	199.59	100	0.738
38	13C-1,2,3,4,6,9-HxCDF	1.91e5	0.51	NO	1.00	10.020	34.000	34.03	1.000	1.000	199.59	100	1.04
39	Total Tetra-Dioxins				0.947	10.020	24.620		0.000		7.7506		0.413
40	Total Penta-Dioxins				0.942	10.020	29.960		0.000		5.7443		0.221
41	Total Hexa-Dioxins				0.915	10.020	33.635		0.000		48.973		0.967
42	Total Hepta-Dioxins				0.898	10.020	37.640		0.000		508.86		2.33
43	Total Tetra-Furans				0.787	10.020	23.610		0.000		31.096		0.636
44	1st Func. Penta-Furans				0.910	10.020	27.090		0.000		4.6721		0.129
45	Total Penta-Furans				0.910	10.020	29.275		0.000		21.362		0.621
46	Total Hexa-Furans				0.922	10.020	33.555		0.000		27.265		0.393
47	Total Hepta-Furans				0.871	10.020	37.835		0.000		68.053		0.744

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-8.qld

Last Altered: Thursday, May 21, 2020 09:14:39 Pacific Daylight Time
Printed: Thursday, May 21, 2020 09:16:30 Pacific Daylight Time

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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200519R2_8, Date: 19-May-2020, Time: 18:55:58, ID: 2000957-03 PDI-147SC-A-05-06-200425 14.49, Description: PDI-147SC-A-05-06-200425

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc.	EMPG	DL
Total Tetra-Dioxins	21.86	1.418e4	1.631e4	1.174e3	1.491e3	0.79	NO	2.866e3	4.1307	4.1307	0.413
Total Tetra-Dioxins	22.23	6.500e3	7.547e3	5.931e2	7.411e2	0.80	NO	1.334e3	2.0676	2.0676	0.413
Total Tetra-Dioxins	24.00	3.913e3	3.135e3	2.141e2	2.578e2	0.83	NO	4.719e2	0.73123	0.73123	0.413
Total Tetra-Dioxins	24.24	2.742e3	2.052e3	1.567e2	1.582e2	0.99	YES	0.000e0	0.00000	0.43403	0.413
Total Tetra-Dioxins	25.80	4.973e3	4.330e3	2.380e2	3.152e2	0.76	NO	0.000e0	0.00000	0.85732	0.413
2,3,7,8-TCDD	26.03	2.712e3	4.057e3	2.450e2	2.848e2	0.86	NO	5.299e2	0.82110	0.82110	0.413

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc.	EMPG	DL
Total Penta-Dioxins	28.85	6.100e3	6.392e3	3.424e2	5.396e2	0.63	NO	8.821e2	1.6801	1.6801	0.221
Total Penta-Dioxins	29.34	1.442e3	3.428e3	1.019e2	2.654e2	0.38	YES	0.000e0	0.00000	0.50200	0.221
Total Penta-Dioxins	29.86	5.483e3	9.778e3	2.983e2	5.290e2	0.56	NO	8.273e2	1.5758	1.5758	0.221
Total Penta-Dioxins	30.13	4.043e3	5.290e3	2.822e2	4.587e2	0.62	NO	7.410e2	1.4113	1.4113	0.221
Total Penta-Dioxins	30.39	3.438e3	4.723e3	1.531e2	3.151e2	0.49	YES	0.000e0	0.00000	0.75451	0.221
Total Penta-Dioxins	30.67	2.264e3	3.395e3	1.286e2	1.898e2	0.68	NO	3.184e2	0.60645	0.60645	0.221
1,2,3,7,8-PeCDD	31.14	2.335e3	3.319e3	9.575e1	1.513e2	0.63	NO	2.471e2	0.47058	0.47058	0.221

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc.	EMPG	DL
Total Hexa-Dioxins	33.03	9.973e4	8.422e4	5.582e3	4.321e3	1.29	NO	9.903e3	23.343	23.343	0.967
Total Hexa-Dioxins	33.58	1.685e4	8.729e3	7.751e2	4.791e2	1.62	YES	0.000e0	0.00000	2.5296	0.967
Total Hexa-Dioxins	33.83	6.948e4	5.292e4	4.895e3	3.492e3	1.34	NO	8.188e3	19.300	19.300	0.967
Total Hexa-Dioxins	33.93	1.040e4	8.655e3	5.939e2	5.332e2	1.11	NO	1.127e3	2.6567	2.6567	0.967
1,2,3,4,7,8-HxCDD	34.60	1.302e4	1.352e4	7.629e2	8.136e2	0.94	YES	1.577e3	0.00000	3.1066	0.844
Total Hexa-Dioxins	34.80	5.235e3	5.940e3	2.875e2	2.848e2	1.01	YES	0.000e0	0.00000	1.2244	0.967
1,2,3,7,8,9-HxCDD	34.89	6.445e3	4.399e3	3.812e2	3.002e2	1.27	NO	6.815e2	1.6729	1.6729	1.05

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-8.qld

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Name: 200519R2_8, Date: 19-May-2020, Time: 18:55:58, ID: 2000957-03 PDI-147SC-A-05-06-200425 14.49, Description: PDI-147SC-A-05-06-200425

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	PAH	Q1	Q2	Q3	Q4	Q5	Q6
Total Hepta-Dioxins	37.35	5.519e5	5.419e5	4.368e4	4.230e4	1.03	NO	8.598e4	314.69	314.69	2.33	
1,2,3,4,6,7,8-HpCDD	38.39	3.450e5	3.458e5	2.637e4	2.669e4	0.99	NO	5.305e4	194.18	194.18	2.33	

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	PAH	Q1	Q2	Q3	Q4	Q5	Q6
Total Tetra-Furans	20.33	2.877e3	2.710e3	2.138e2	2.354e2	0.91	YES	0.000e0	0.00000	0.49530	0.636	
Total Tetra-Furans	20.90	2.305e4	2.754e4	1.783e3	2.369e3	0.75	NO	4.152e3	4.9353	4.9353	0.636	
Total Tetra-Furans	21.83	1.155e4	1.399e4	1.038e3	1.419e3	0.73	NO	2.457e3	2.9209	2.9209	0.636	
Total Tetra-Furans	22.28	5.883e3	8.070e3	4.829e2	6.593e2	0.73	NO	1.142e3	1.3578	1.3578	0.636	
Total Tetra-Furans	23.57	1.460e4	2.213e4	2.207e3	2.655e3	0.83	NO	4.862e3	5.7797	5.7797	0.636	
Total Tetra-Furans	24.12	2.257e4	3.235e4	2.094e3	3.119e3	0.87	NO	5.213e3	6.1970	6.1970	0.636	
Total Tetra-Furans	24.97	1.338e4	1.727e4	9.978e2	1.237e3	0.81	NO	2.235e3	2.6567	2.6567	0.636	
2,3,7,8-TCDF	25.11	2.639e4	3.949e4	2.020e3	2.876e3	0.70	NO	4.896e3	5.8204	5.8204	0.636	
Total Tetra-Furans	25.48	2.353e3	4.253e3	1.923e2	2.624e2	0.73	NO	4.547e2	0.54056	0.54056	0.636	
Total Tetra-Furans	27.20	5.701e3	6.588e3	3.090e2	4.373e2	0.71	NO	7.464e2	0.88722	0.88722	0.636	

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	PAH	Q1	Q2	Q3	Q4	Q5	Q6
1st Func. Penta-Furans	27.17	3.400e4	2.319e4	2.233e3	1.430e3	1.56	NO	3.664e3	4.6721	4.6721	0.129	

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	PAH	Q1	Q2	Q3	Q4	Q5	Q6
Total Penta-Furans	28.81	3.298e4	2.691e4	2.619e3	1.693e3	1.55	NO	4.312e3	5.4992	5.4992	0.621	
Total Penta-Furans	29.43	1.710e4	1.097e4	1.099e3	5.487e2	2.00	YES	0.000e0	0.00000	1.7844	0.621	
Total Penta-Furans	29.63	1.255e4	8.130e3	6.851e2	4.576e2	1.50	NO	1.143e3	1.4573	1.4573	0.621	
1,2,3,7,8-PeCDF	29.81	4.996e4	3.850e4	3.045e3	2.002e3	1.52	NO	5.047e3	6.3904	6.3904	0.658	
Total Penta-Furans	30.09	2.843e4	1.539e4	1.618e3	1.092e3	1.48	NO	2.710e3	3.4559	3.4559	0.621	
2,3,4,7,8-PeCDF	30.83	3.083e4	1.936e4	1.477e3	1.020e3	1.45	NO	2.497e3	3.0207	3.0207	0.549	
Total Penta-Furans	30.85	2.352e4	1.813e4	7.278e2	4.784e2	1.52	NO	1.206e3	1.5382	1.5382	0.621	

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-8.qld

Last Altered: Thursday, May 21, 2020 09:14:39 Pacific Daylight Time
 Printed: Thursday, May 21, 2020 09:16:30 Pacific Daylight Time

Name: 200519R2_8, Date: 19-May-2020, Time: 18:55:58, ID: 2000957-03 PDI-147SC-A-05-06-200425 14.49, Description: PDI-147SC-A-05-06-200425

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	NY	Resp	Cond	Area	Area	Area
Total Hexa-Furans	32.47	1.150e4	1.088e4	5.815e2	4.632e2	1.26	NO	1.045e3	1.7639	1.7639	1.7639	0.393
Total Hexa-Furans	32.64	2.831e4	2.142e4	1.497e3	1.191e3	1.26	NO	2.888e3	4.5383	4.5383	4.5383	0.393
Total Hexa-Furans	33.19	6.189e4	5.173e4	3.268e3	2.763e3	1.18	NO	6.031e3	10.182	10.182	10.182	0.393
1,2,3,4,7,8-HxCDF	33.65	5.559e4	4.457e4	2.938e3	2.422e3	1.21	NO	5.361e3	9.3291	9.3291	9.3291	0.354
1,2,3,6,7,8-HxCDF	33.76	1.548e4	1.629e4	9.001e2	8.930e2	1.01	YES	1.793e3	0.00000	2.4586	2.4586	0.345
2,3,4,6,7,8-HxCDF	34.32	5.545e3	5.313e3	3.488e2	2.444e2	1.43	YES	5.932e2	0.00000	0.93956	0.93956	0.409
1,2,3,7,8,9-HxCDF	35.26	5.803e3	4.428e3	1.737e2	1.418e2	1.23	NO	3.155e2	0.69235	0.69235	0.69235	0.574
Total Hexa-Furans	35.28	5.922e3	4.932e3	2.600e2	1.895e2	1.37	NO	4.495e2	0.75891	0.75891	0.75891	0.393

Hepta-Furans

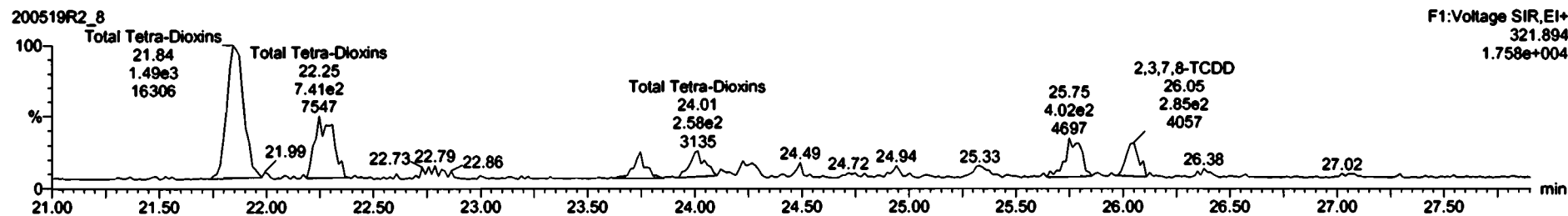
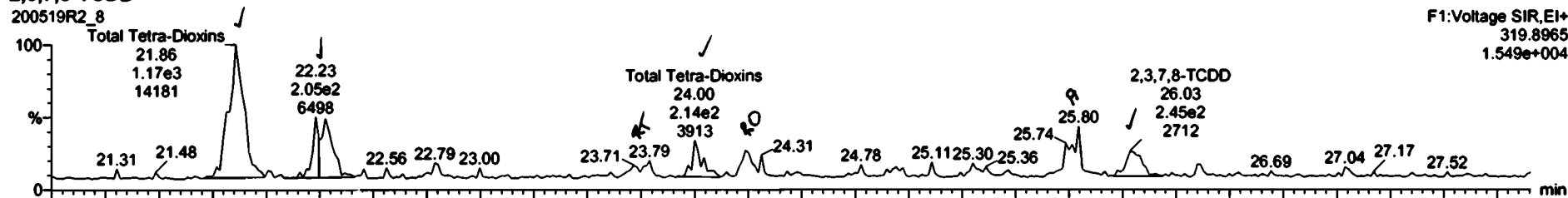
Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	NY	Resp	Cond	Area	Area	Area
1,2,3,4,6,7,8-HpCDF	36.97	3.790e4	3.594e4	2.771e3	2.634e3	1.05	NO	5.404e3	15.393	15.393	15.393	0.635
Total Hepta-Furans	37.56	1.040e5	1.015e5	7.463e3	7.200e3	1.04	NO	1.466e4	50.705	50.705	50.705	0.744
1,2,3,4,7,8,9-HpCDF	38.97	4.452e3	4.546e3	2.494e2	2.667e2	0.94	NO	5.160e2	1.9556	1.9556	1.9556	0.786

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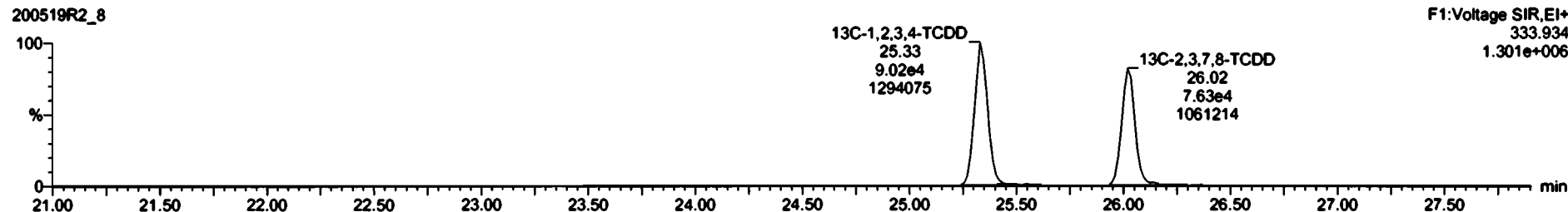
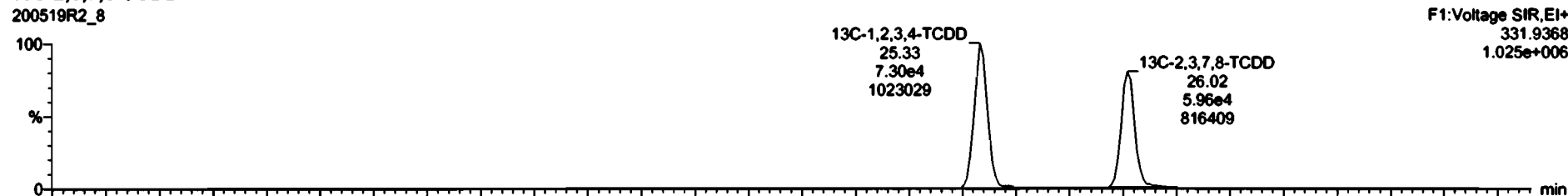
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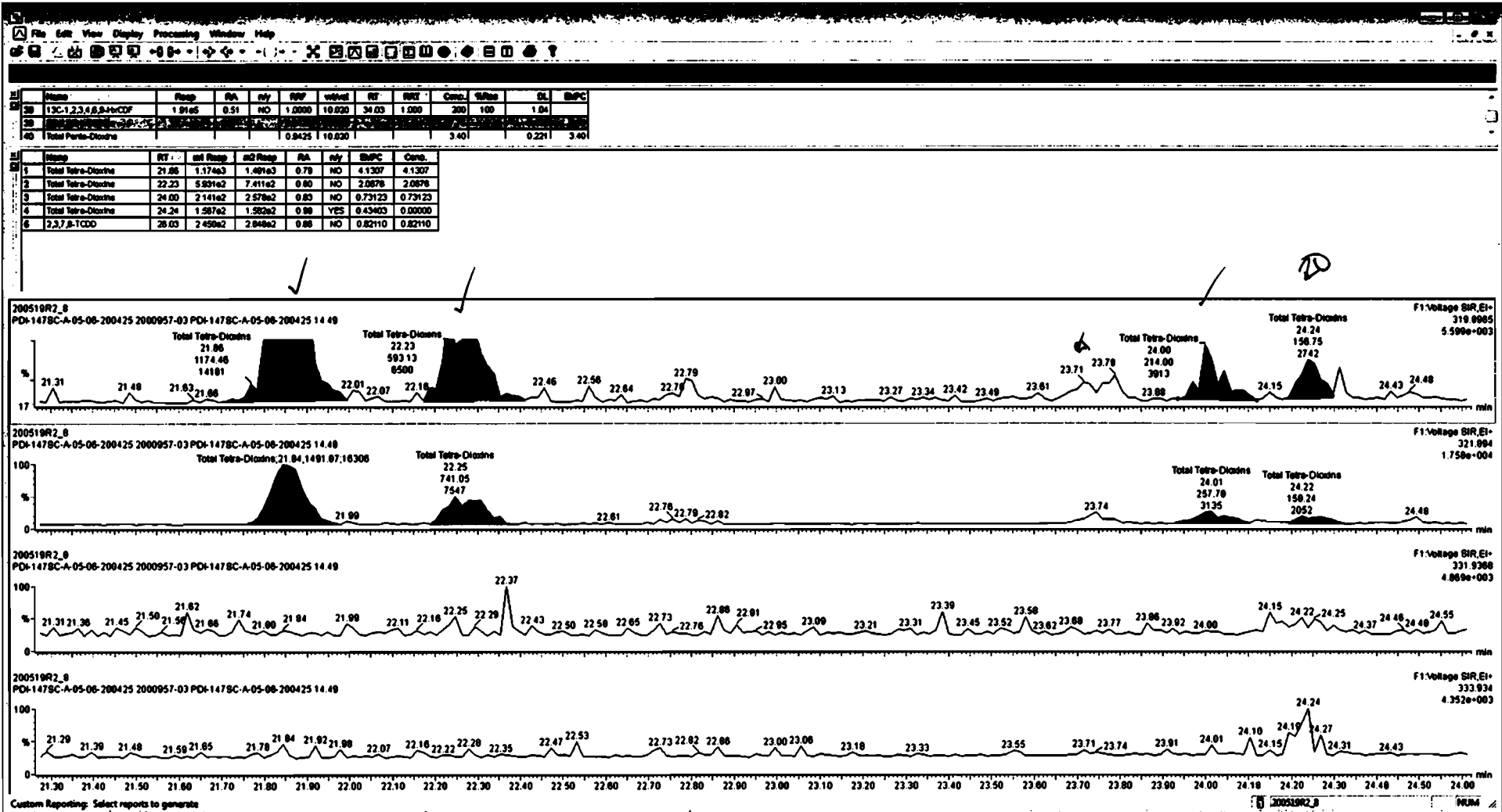
Name: 200519R2_8, Date: 19-May-2020, Time: 18:55:58, ID: 2000957-03 PDI-147SC-A-05-06-200425 14.49, Description: PDI-147SC-A-05-06-200425

2,3,7,8-TCDD



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

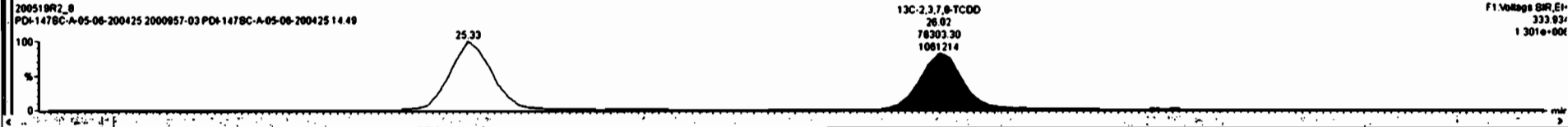
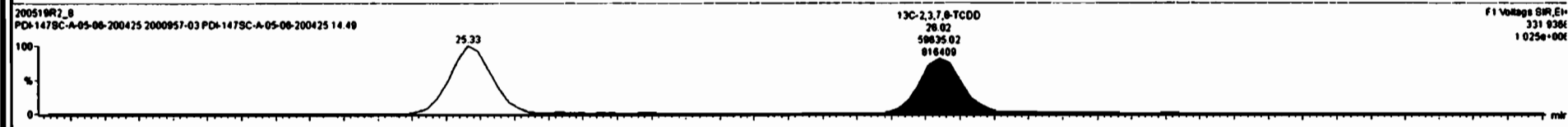
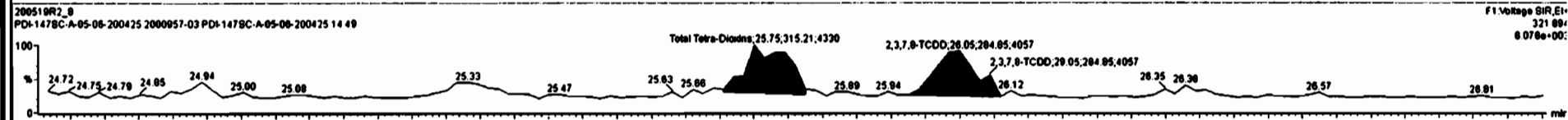
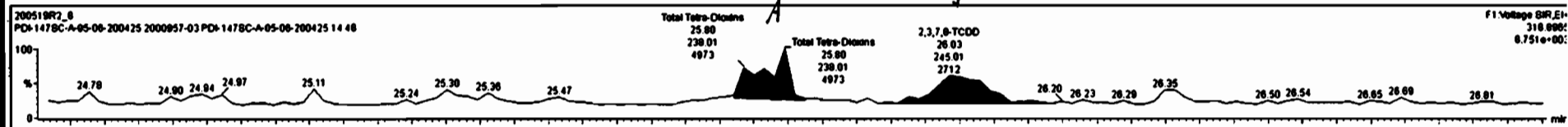






Name	Resp	RA	Rel	RFV	VolVol	RT	RFV	Comp.	U/Res	DL	EMPC
13C-1,2,3,4,6,8-PeCDF	1.91e5	0.51	NO	1.0000	10.020	34.03	1.000	200	100	1.04	
Total Penta-Dioxins				0.9425	10.020			3.401		0.221	3.401

Name	RT	Rel Resp	Rel Peak	RA	Rel	EMPC	Comp.
1 Total Tetra-Dioxins	21.86	1.174e3	1.491e3	0.79	NO	4.1307	4.1307
2 Total Tetra-Dioxins	22.23	5.931e2	7.411e2	0.80	NO	2.0676	2.0676
3 Total Tetra-Dioxins	24.00	2.141e2	2.578e2	0.83	NO	0.73123	0.73123
4 Total Tetra-Dioxins	24.24	1.587e2	1.582e2	0.88	YES	0.43403	0.00000
5 Total Tetra-Dioxins	25.80	2.380e2	3.152e2	0.76	NO	0.85732	0.00000
6 2,3,7,8-TCDD	26.03	2.490e2	2.846e2	0.88	NO	0.82110	0.82110



Dataset: Untitled

Last Altered: Wednesday, May 20, 2020 08:24:27 Pacific Daylight Time

Printed: Wednesday, May 20, 2020 08:24:37 Pacific Daylight Time

Name: 200519R2_8, Date: 19-May-2020, Time: 18:55:58, ID: 2000957-03 PDI-147SC-A-05-06-200425 14.49, Description: PDI-147SC-A-05-06-200425

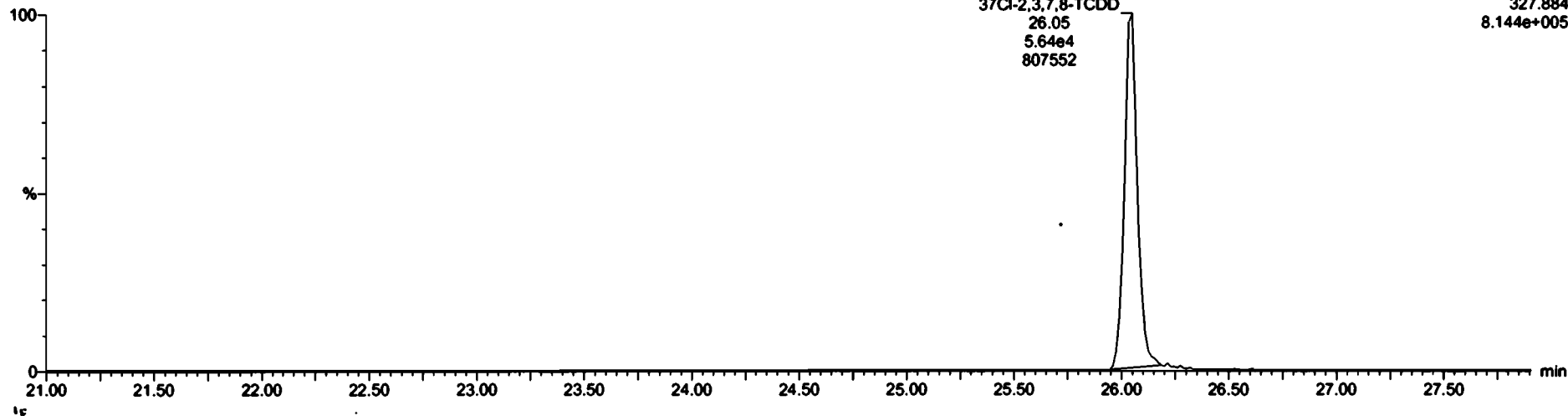
37Cl-2,3,7,8-TCDD

200519R2_8

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

26.05
5.64e4
807552

F1:Voltage SIR,EI+
327.884
8.144e+005



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

200519R2_8

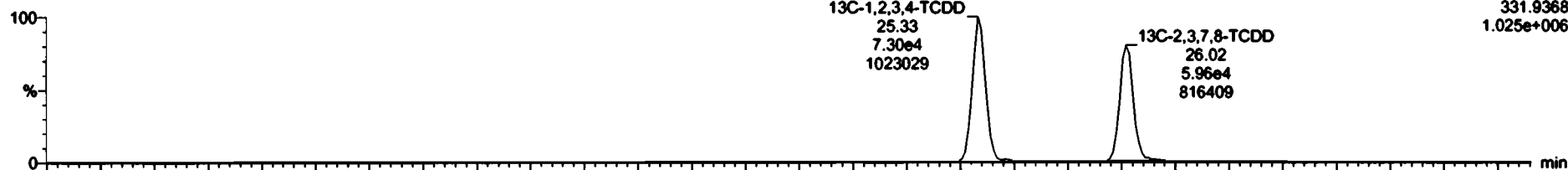
13C-1,2,3,4-TCDD

25.33
7.30e4
1023029

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

26.02
5.96e4
816409

F1:Voltage SIR,EI+
331.9368
1.025e+006



200519R2_8

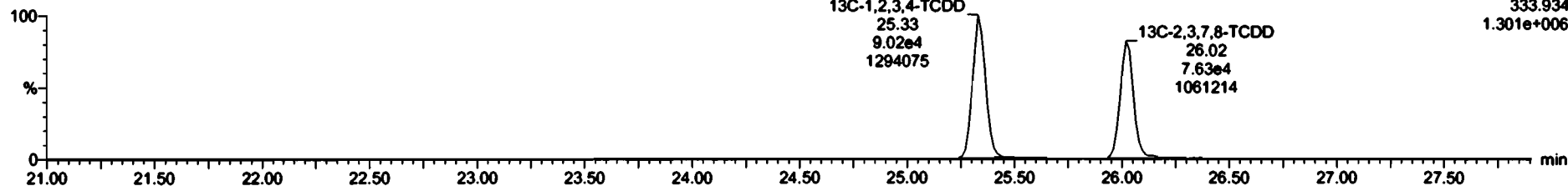
13C-1,2,3,4-TCDD

25.33
9.02e4
1294075

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

26.02
7.63e4
1061214

F1:Voltage SIR,EI+
333.934
1.301e+006

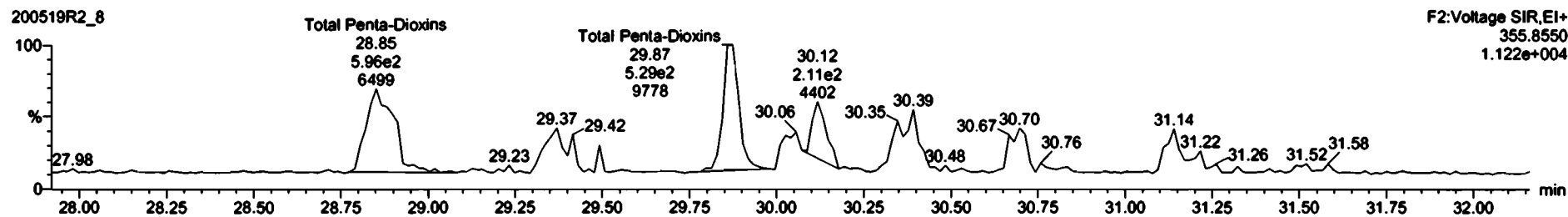
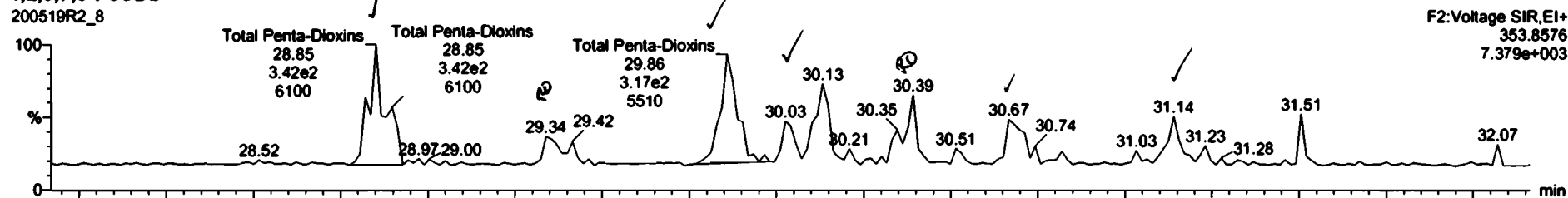


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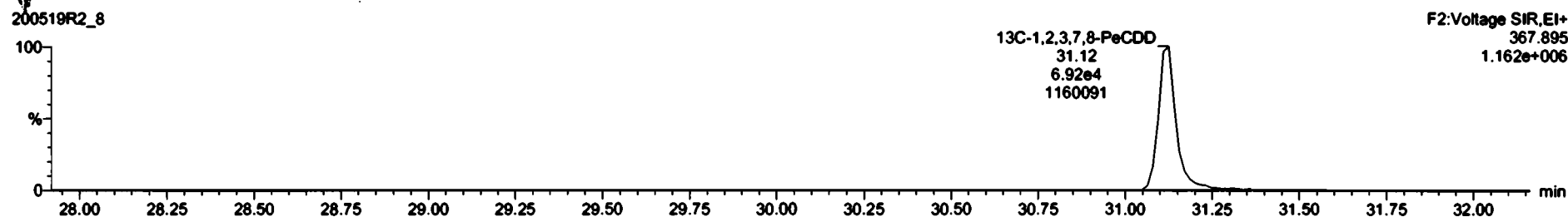
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Name: 200519R2_8, Date: 19-May-2020, Time: 18:55:58, ID: 2000957-03 PDI-147SC-A-05-06-200425 14.49, Description: PDI-147SC-A-05-06-200425

1,2,3,7,8-PeCDD



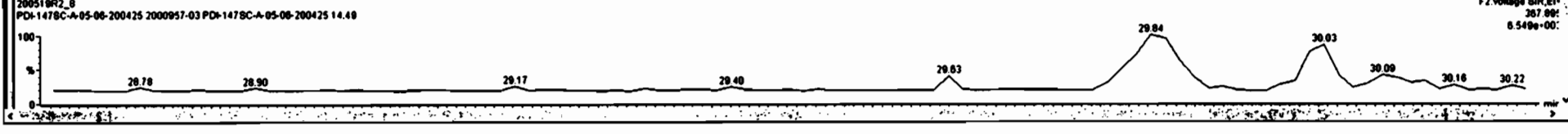
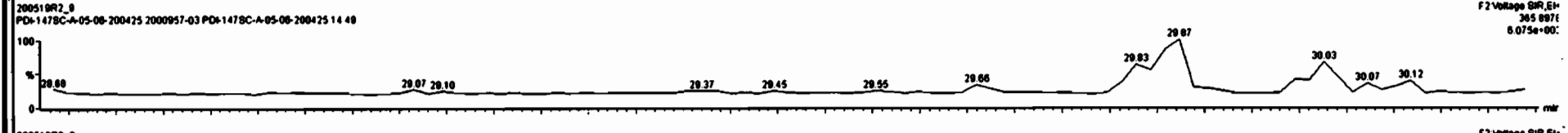
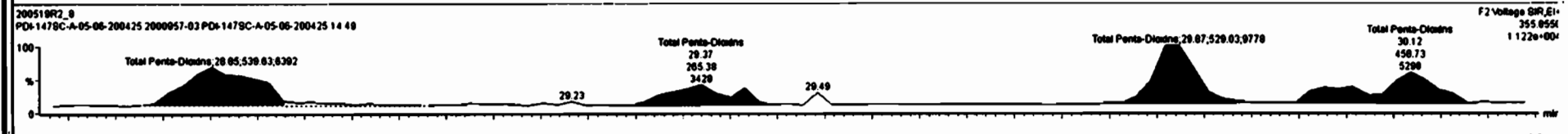
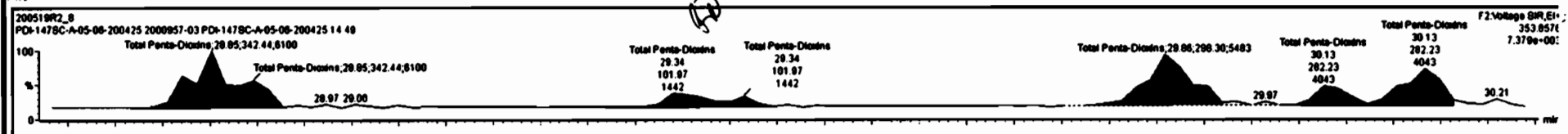
13C-1,2,3,7,8-PeCDD

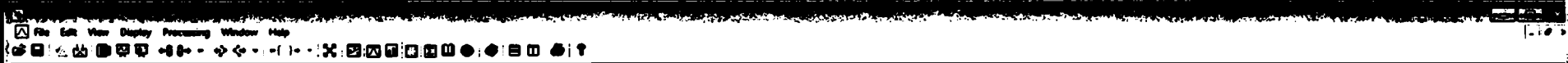




ID	Name	Range	RA	rdy	RF	rdVal	RT	RRT	Comp.	%Res	DL	EMPC
28	1,2,3,4,5,6-PeCDF	1.91e5	0.51	NO	1.0000	10.020	34.03	1.000	200	100	1.04	
29	Total Tetra-Chlorine				0.9475	10.020			7.75		0.413	9.04

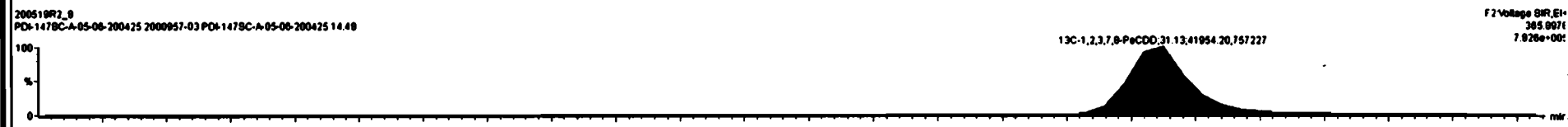
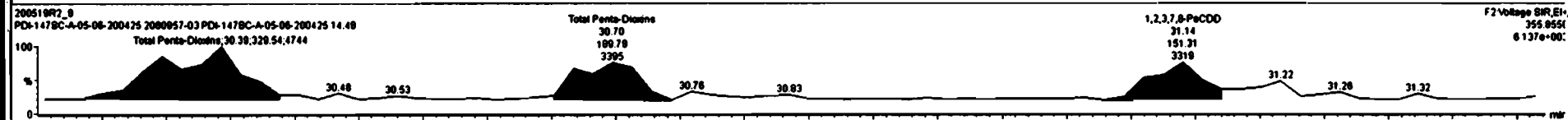
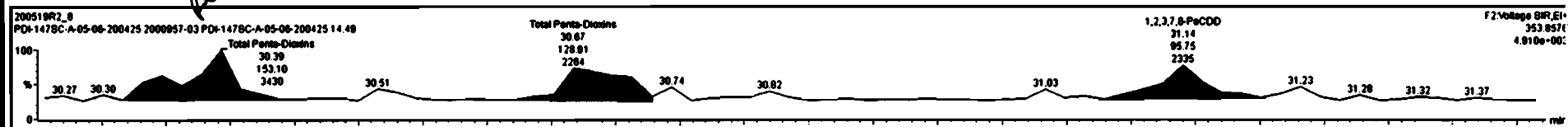
ID	Name	RT	rd Range	rd Range	RA	rdy	EMPC	Comp.
1	Total Penta-Chlorine	29.85	3.42e2	6.38e2	0.83	NO	1.8801	1.8801
2	Total Penta-Chlorine	29.34	1.01e2	2.85e2	0.38	YES	0.50200	0.00000
3	Total Penta-Chlorine	29.97	2.80e2	6.20e2	0.58	NO	1.5758	1.5758
4	Total Penta-Chlorine	29.13	2.82e2	4.587e2	0.82	NO	1.4113	1.4113
5	Total Penta-Chlorine	30.36	1.531e2	3.285e2	0.48	YES	0.75491	0.00000
6	Total Penta-Chlorine	30.87	1.288e2	1.888e2	0.88	NO	0.80845	0.80845
7	1,2,3,7,8-PeCDD	31.14	0.575e1	1.513e2	0.83	NO	0.47058	0.47058





Name	Resp	RA	Rel	RF	Wt%	RT	RRT	Obs	Wt%	CL	EMPC
13C-1,2,3,4,6,8-PeCDF	1.91e5	0.51	NO	1.0000	10.020	34.03	1.000	200	100	1.04	
Total Tetra-Dioxine				0.8475	10.020			7.75		0.413	9.04

Name	RT	ret Resp	std Resp	RA	Rel	EMPC	Comp
1 Total Penta-Dioxine	29.85	3.42e2	5.20e2	0.83	NO	1.8801	1.8801
2 Total Penta-Dioxine	29.34	1.01e2	2.85e2	0.36	YES	0.90200	0.00000
3 Total Penta-Dioxine	29.88	2.88e2	5.20e2	0.56	NO	1.5759	1.5759
4 Total Penta-Dioxine	30.13	2.82e2	4.58e2	0.62	NO	1.4113	1.4113
5 Total Penta-Dioxine	30.38	1.53e2	3.29e2	0.48	YES	0.75451	0.00000
6 Total Penta-Dioxine	30.87	1.28e2	1.88e2	0.69	NO	0.80845	0.80845
7 1,2,3,7,8-PeCDD	31.14	9.57e1	1.51e2	0.63	NO	0.47059	0.47059



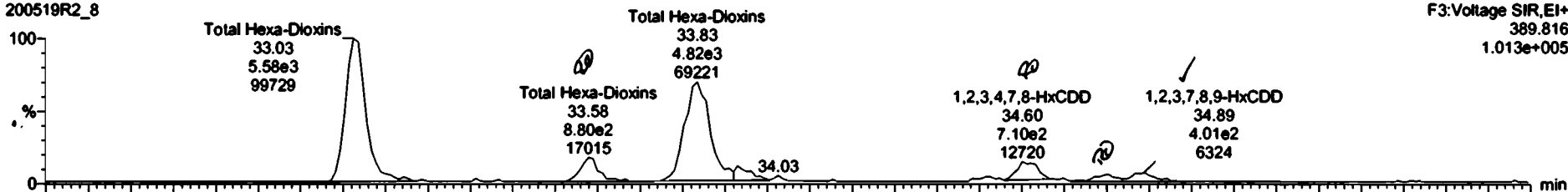
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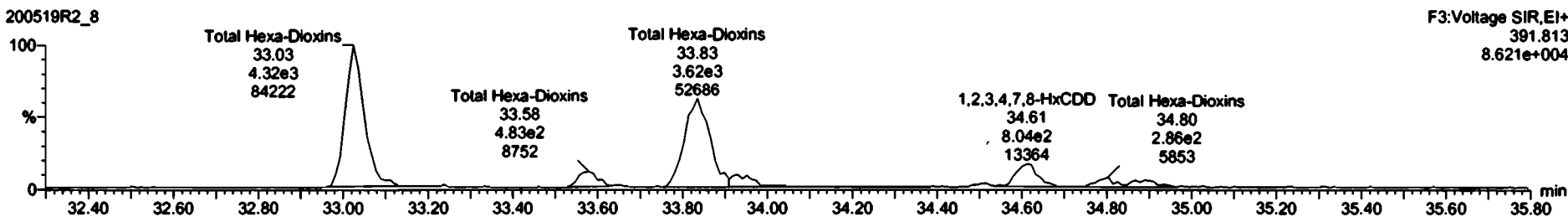
Name: 200519R2_8, Date: 19-May-2020, Time: 18:55:58, ID: 2000957-03 PDI-147SC-A-05-06-200425 14.49, Description: PDI-147SC-A-05-06-200425

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

200519R2_8

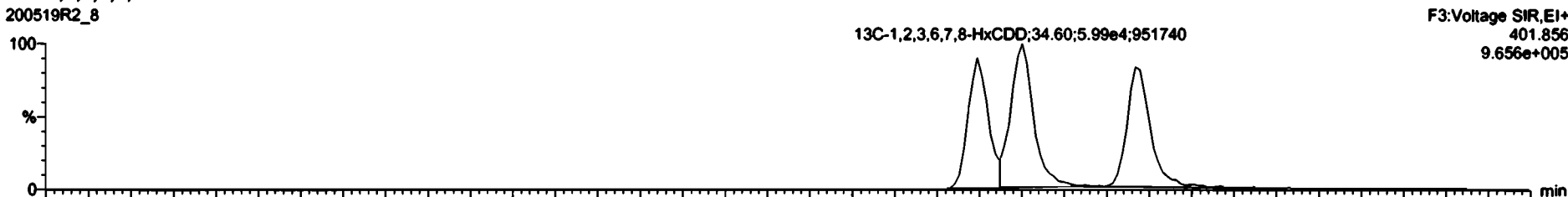


200519R2_8

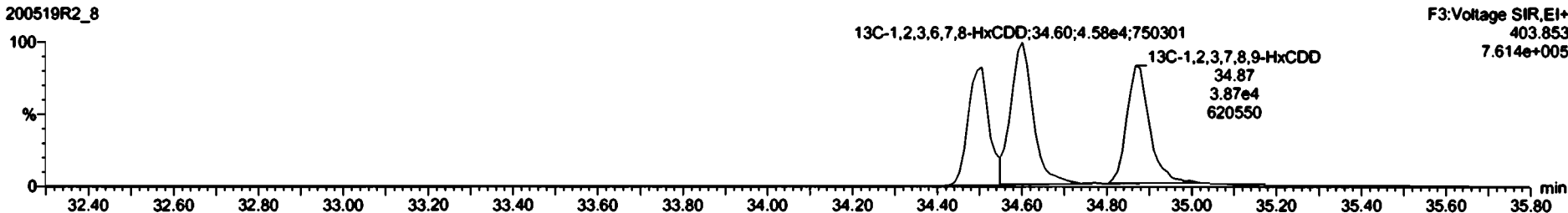


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200519R2_8



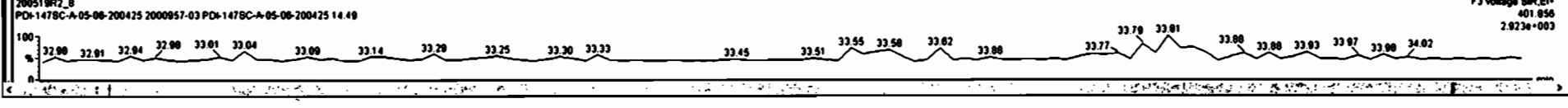
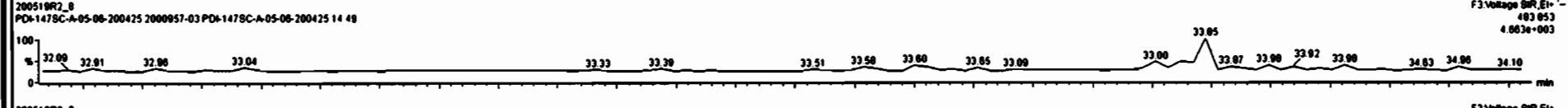
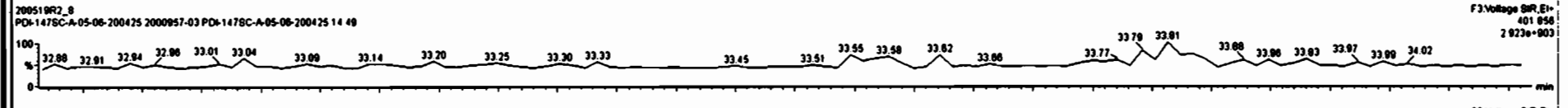
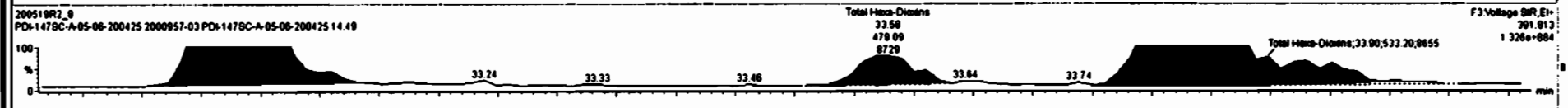
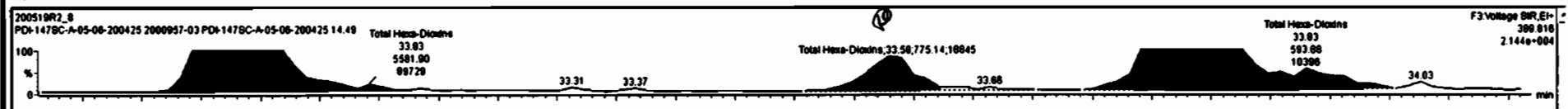
200519R2_8



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RT	Comp.	RA	Rel	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
41													
42	Total Hexa-Chloro				0.8979	10.020			498		2.33	498	
43	Total Tetra-Furans				0.7871	10.020			30.91		0.636	31.1	

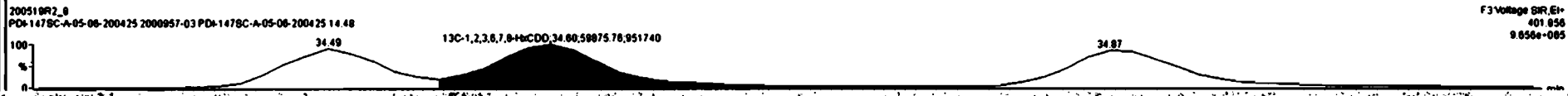
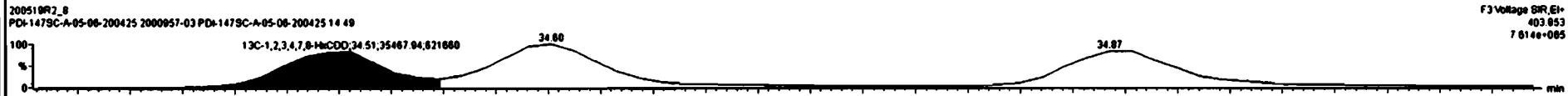
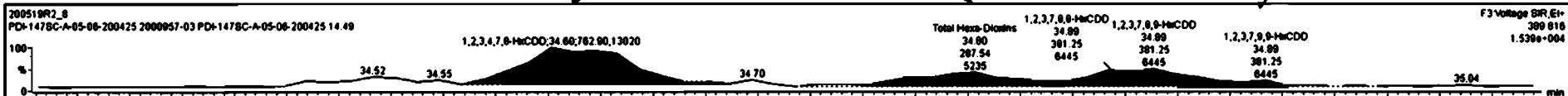
RT	Comp.	RA	Rel	RP	RP	RP	RP	RP	RP	RP	RP	RP	RP
1	Total Hexa-Chloro	33.03	5.582e3	4.321e3	1.29	NO	23.343	23.343					
2	Total Hexa-Chloro	33.08	7.751e2	4.791e2	1.82	YES	2.5298	0.00000					
3	Total Hexa-Chloro	33.03	4.886e3	3.482e3	1.34	NO	19.300	19.300					
4	Total Hexa-Chloro	33.03	5.938e2	5.322e2	1.11	NO	2.8987	2.8987					
5	1,2,3,4,7,8-HxCDD	34.80	7.887e2	0.040e2	0.89	YES	2.8988	0.00000					
6	Total Hexa-Chloro	34.80	2.798e2	2.883e2	0.86	YES	1.1736	0.00000					
7	1,2,3,7,8-HxCDD	34.80	4.910e2	2.897e2	1.43	YES	1.5438	0.00000					



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#	Name	Resp	RA	ny	RVP	valve	RT	RVP	Conc.	%Res	OL	EMPC
41	Total Hexa-Chlorine				0.0079	10.020			400	2.33		400
49	Total Tetra-Furane				0.7871	10.020			30.81	0.636		31.1

#	Name	RT /	int Resp	std Resp	RA	ny	EMPC	Conc.
1	Total Hexa-Chlorine	33.03	5.582e3	4.321e3	1.29	NO	23.343	23.343
2	Total Hexa-Chlorine	33.98	7.751e2	4.791e2	1.82	YES	2.5208	0.00000
3	Total Hexa-Chlorine	33.83	4.886e3	3.482e3	1.34	NO	19.300	19.300
4	Total Hexa-Chlorine	33.83	5.939e2	5.332e2	1.11	NO	2.8887	2.8887
5	1,2,3,4,7,8-HxCDD	34.80	7.828e2	8.138e2	0.94	YES	3.1088	0.00000
6	Total Hexa-Chlorine	34.80	2.875e2	2.848e2	1.01	YES	1.2244	0.00000
7	1,2,3,7,8-HxCDD	34.88	3.812e2	3.802e2	1.27	NO	1.6728	1.6728



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Printed: Wednesday, May 20, 2020 08:24:37 Pacific Daylight Time

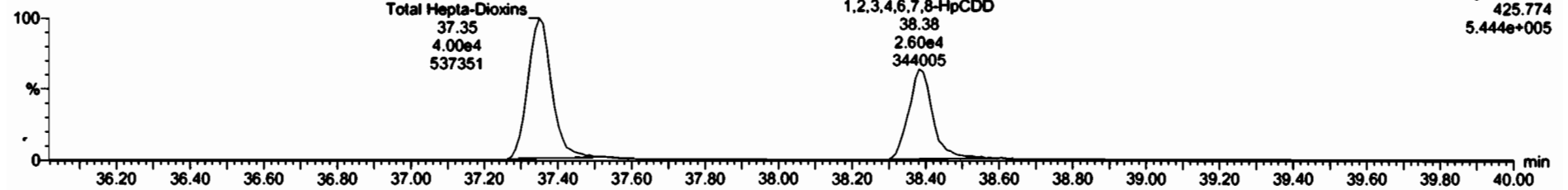
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1,2,3,4,6,7,8-HpCDD

200519R2_8

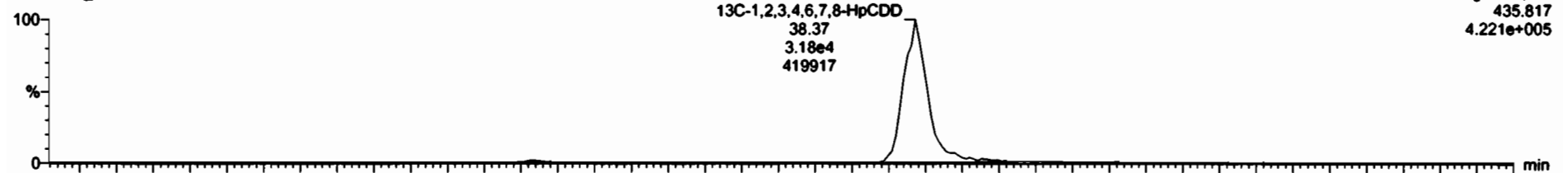


200519R2_8

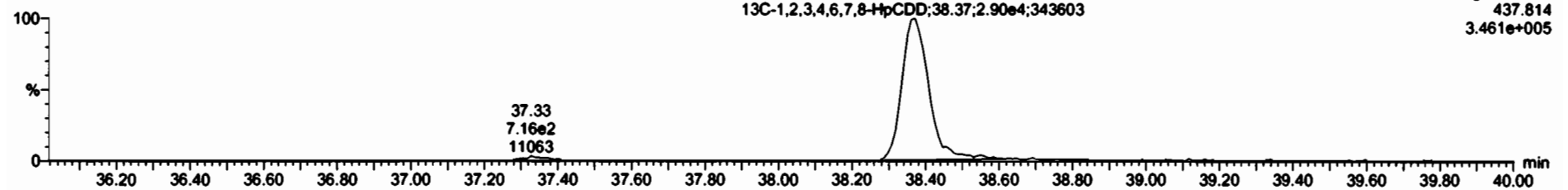


13C-1,2,3,4,6,7,8-HpCDD

200519R2_8



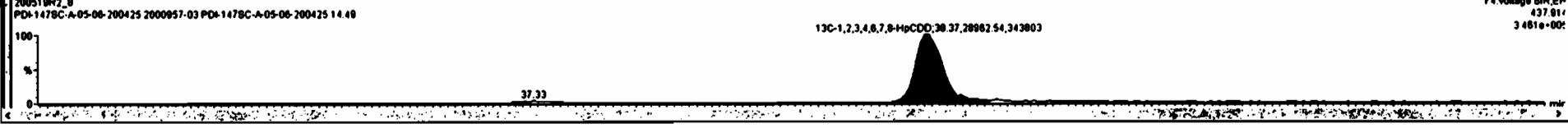
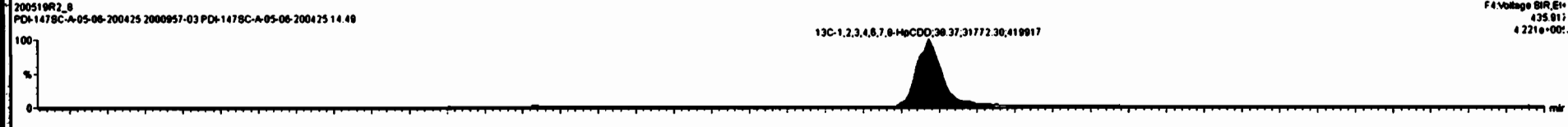
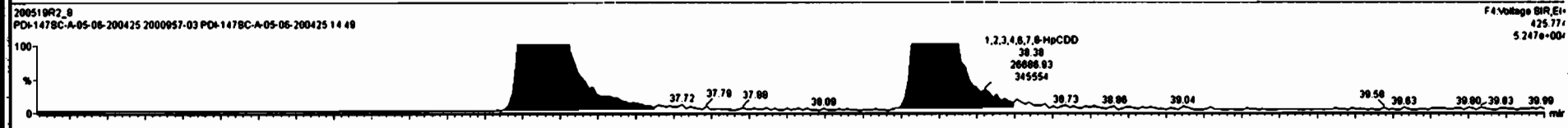
200519R2_8



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Name	Resp	RA	rv	RF	added	RT	RTT	Comp.	Sto	DL	EMPC
Total Hexa-Chloro				0.9145	10.020			47.0		0.067	53.8
Total Tetra-Furans				0.7871	10.020			30.8		0.838	31.1

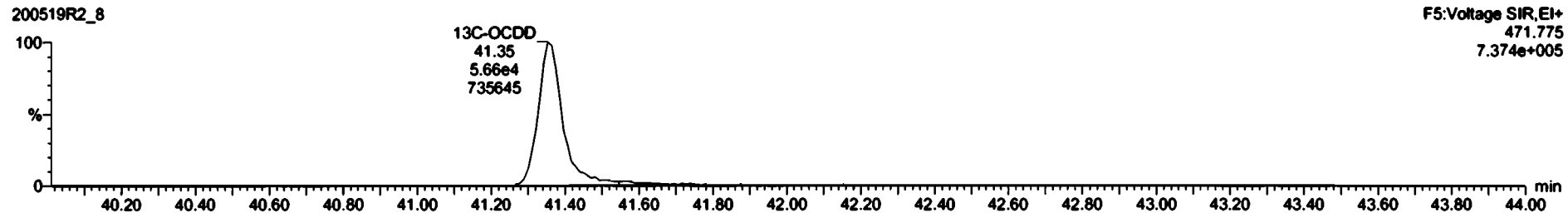
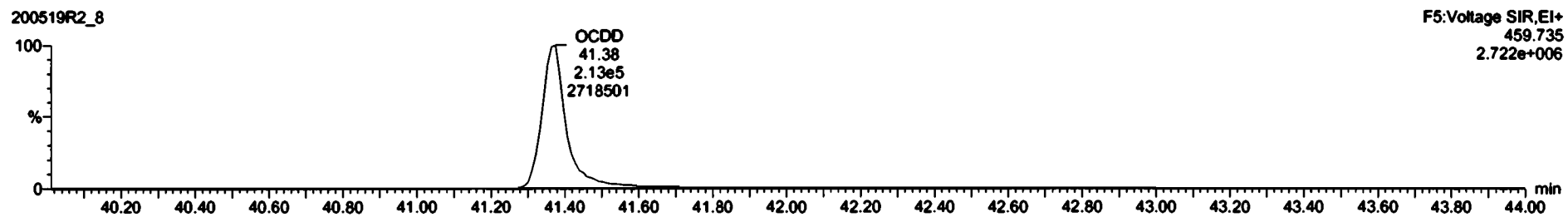
Name	RT /	std Resp	std Resp	RA	rv	EMPC	Comp.
Total Hexa-Chloro	37.35	4.308e4	4.230e4	1.00	NO	314.89	314.89
1,2,3,4,6,7,8-HpCDD	38.38	2.837e4	2.888e4	0.98	NO	194.18	194.18



Dataset: Untitled

Last Altered: Wednesday, May 20, 2020 08:24:27 Pacific Daylight Time
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Name: 200519R2_8, Date: 19-May-2020, Time: 18:55:58, ID: 2000957-03 PDI-147SC-A-05-06-200425 14.49, Description: PDI-147SC-A-05-06-200425

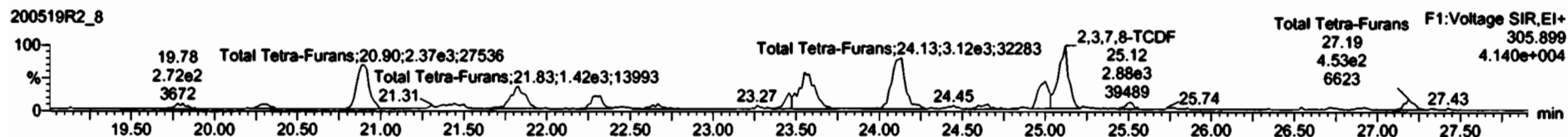
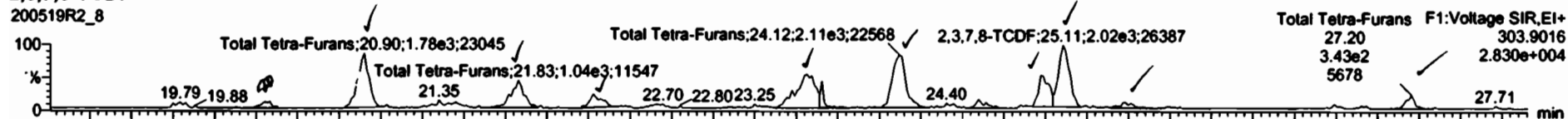


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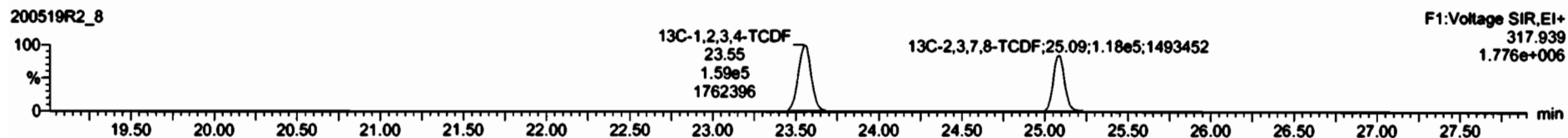
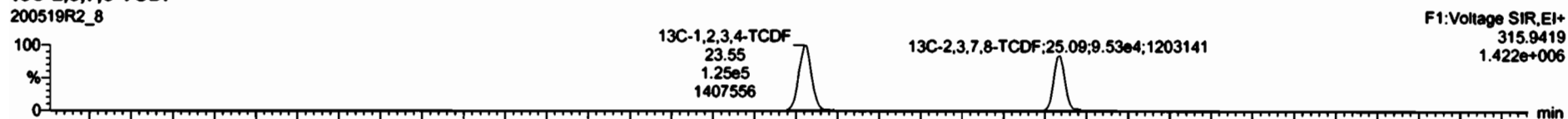
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Name: 200519R2_8, Date: 19-May-2020, Time: 18:55:58, ID: 2000957-03 PDI-147SC-A-05-06-200425 14.49, Description: PDI-147SC-A-05-06-200425

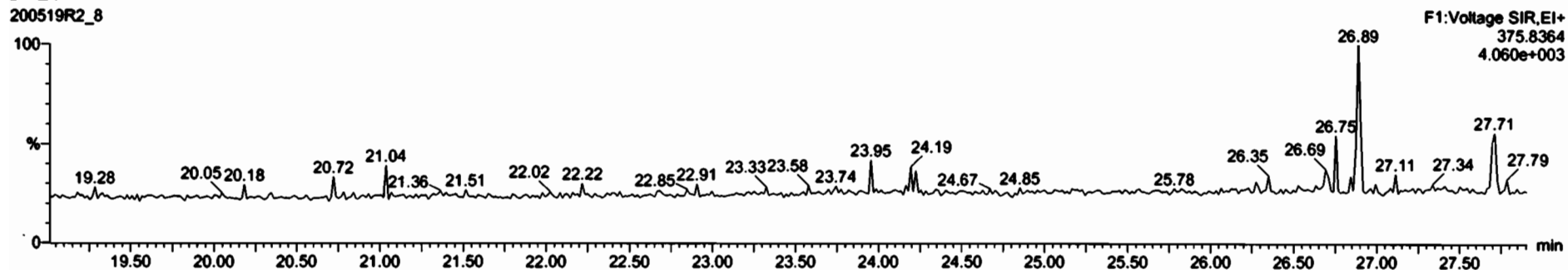
2,3,7,8-TCDF



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



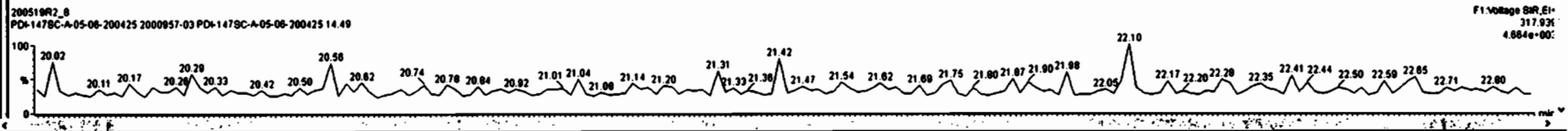
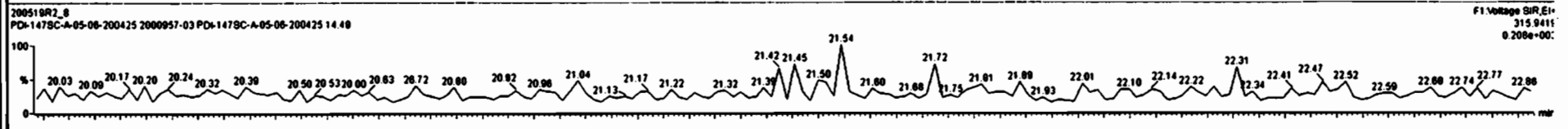
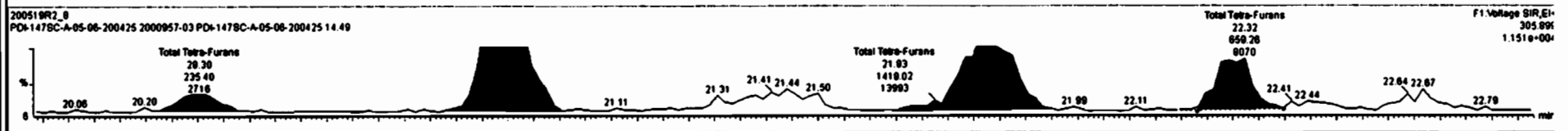
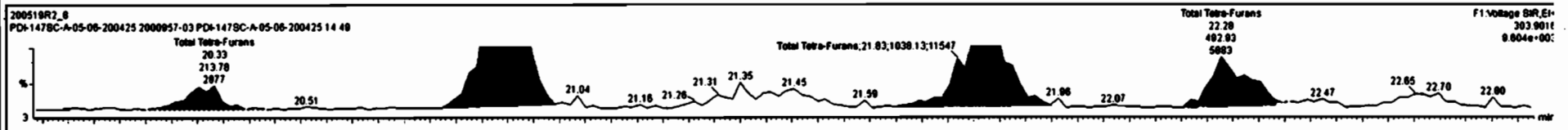
DPE1





Name	Resp	RA	rt	RPV	val	RT	PRT	Comp.	%Res	CL	BPIC
48 Total Hexa-Chlorine				0.9146	10.020			47.0		0.987	63.8
49 Total Hepta-Chlorine				0.8879	10.020			500		2.33	500

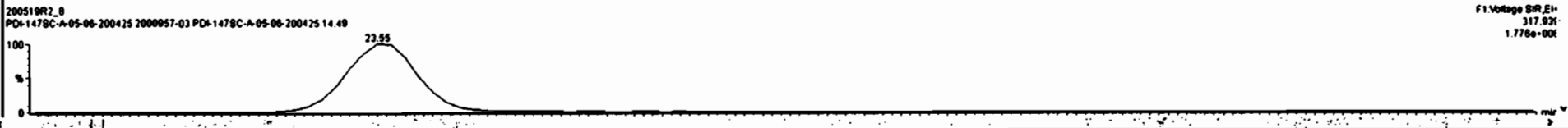
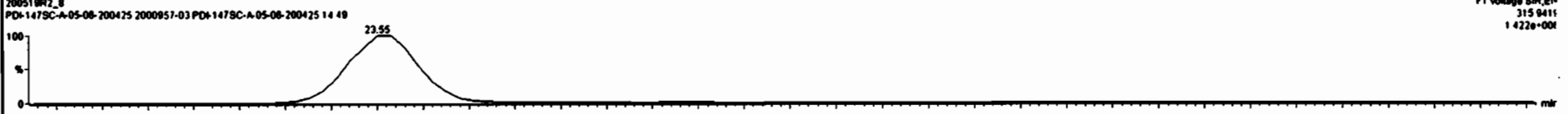
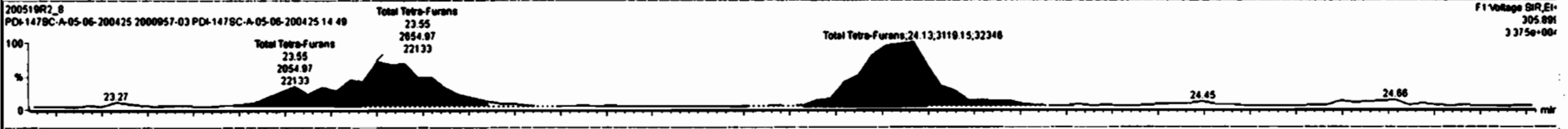
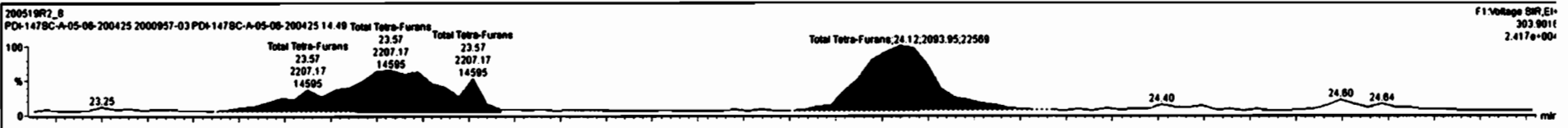
Name	RT	int Resp	int Resp	RA	rt	BPIC	Comp.
1 Total Tetra-Furans	20.33	2.138e2	2.354e2	0.81	YES	0.48630	0.00000
2 Total Tetra-Furans	20.90	1.783e3	2.388e3	0.75	NO	4.8363	4.8363
3 Total Tetra-Furans	21.83	1.038e3	1.419e3	0.73	NO	2.8200	2.8200
4 Total Tetra-Furans	22.28	4.828e2	6.580e2	0.73	NO	1.3678	1.3678
5 Total Tetra-Furans	23.57	1.922e3	2.482e3	0.77	NO	5.2471	5.2471
6 Total Tetra-Furans	24.12	2.108e3	3.123e3	0.87	NO	6.2185	6.2185
7 Total Tetra-Furans	24.87	9.878e2	1.237e3	0.81	NO	2.6987	2.6987
8 2,3,7,8-TCDF	25.11	2.020e3	2.878e3	0.70	NO	5.8204	5.8204
9 Total Tetra-Furans	25.48	2.888e2	2.582e2	0.80	NO	0.56281	0.56281

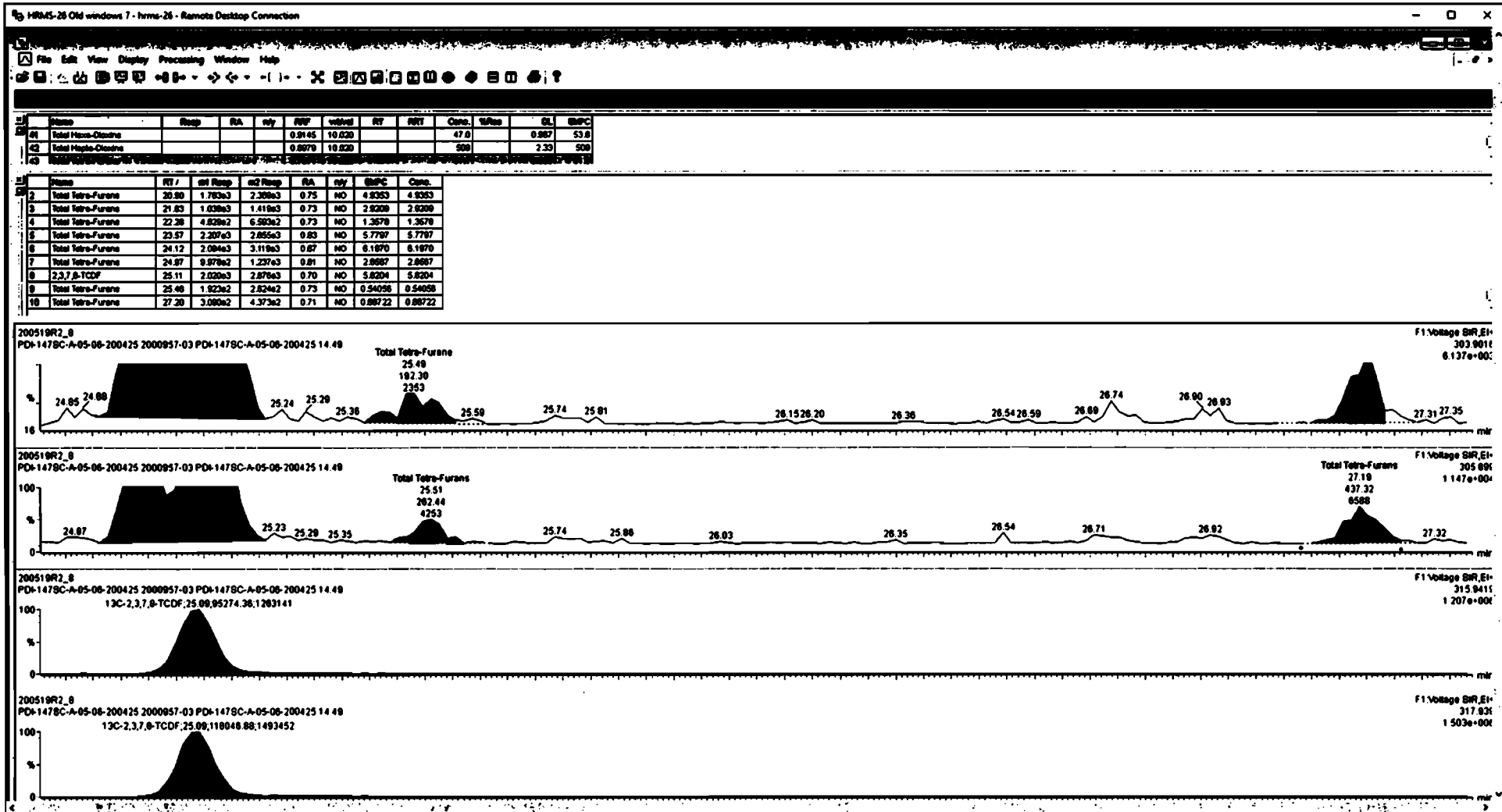


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Name	Resp	RA	rv	RRF	val	RT	RRF	Comp	Units	DL	QAPC
41 Total Hexa-Chlorine				0.9145	10.020			47.0		0.967	53.8
42 Total Hexa-Chlorine				0.8079	10.020			800		2.33	500

Name	RT	ret Resp	m2 Resp	RA	rv	QAPC	Comp
1 Total Tetra-Furans	20.33	2.130e2	2.354e2	0.81	YES	0.49630	0.00000
2 Total Tetra-Furans	20.80	1.783e3	2.308e3	0.75	NO	4.8363	4.9363
3 Total Tetra-Furans	21.83	1.828e3	1.419e3	0.73	NO	2.8200	2.9200
4 Total Tetra-Furans	22.28	4.828e2	8.982e2	0.73	NO	1.3670	1.3670
5 Total Tetra-Furans	23.57	2.207e3	2.886e3	0.80	NO	5.7707	5.7707
6 Total Tetra-Furans	24.12	2.084e3	3.119e3	0.87	NO	6.1870	6.1870
7 Total Tetra-Furans	24.87	8.578e2	1.237e3	0.81	NO	2.8887	2.8887
8 2,3,7,8-TCDF	25.11	2.028e3	2.878e3	0.70	NO	5.8204	5.8204
9 Total Tetra-Furans	25.48	2.088e2	2.582e2	0.80	NO	0.55291	0.55291





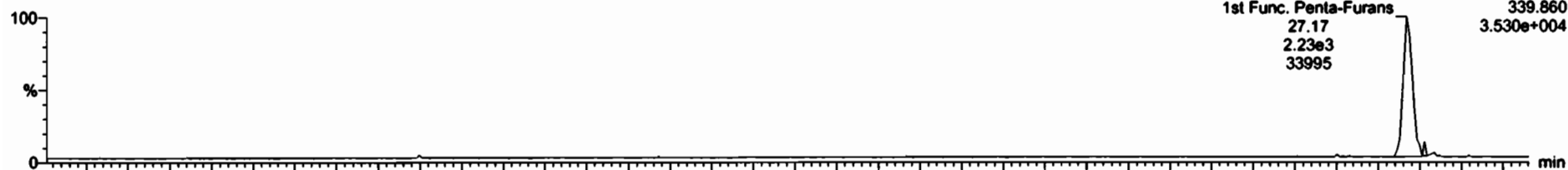
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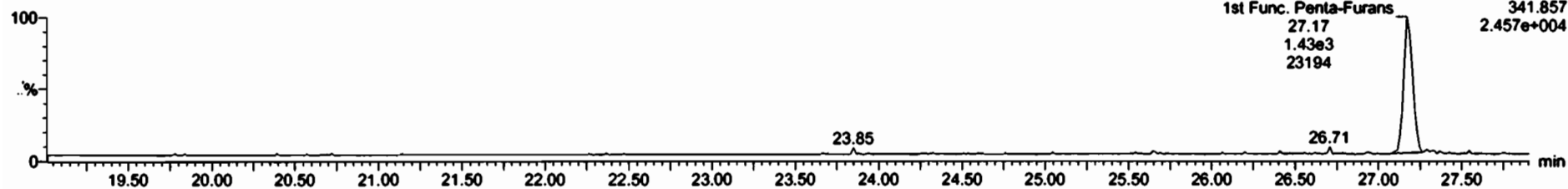
Name: 200519R2_8, Date: 19-May-2020, Time: 18:55:58, ID: 2000957-03 PDI-147SC-A-05-06-200425 14.49, Description: PDI-147SC-A-05-06-200425

1st Func. Penta-Furans

200519R2_8

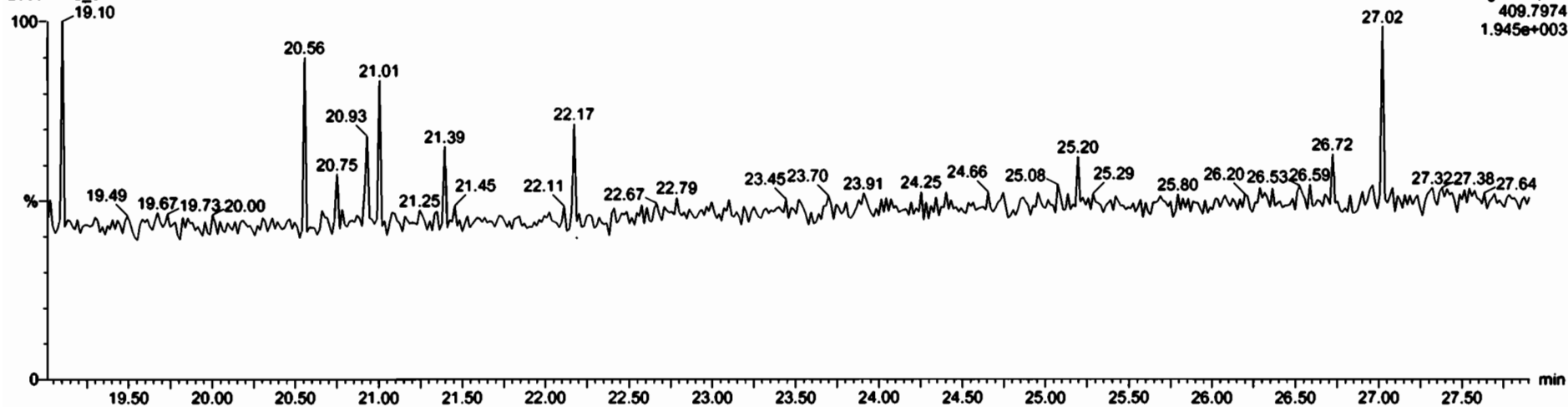


200519R2_8



DPE6

200519R2_8

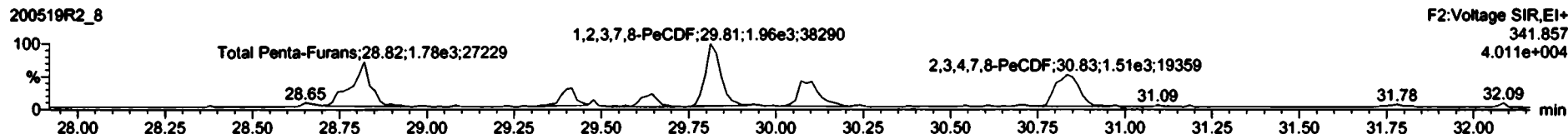
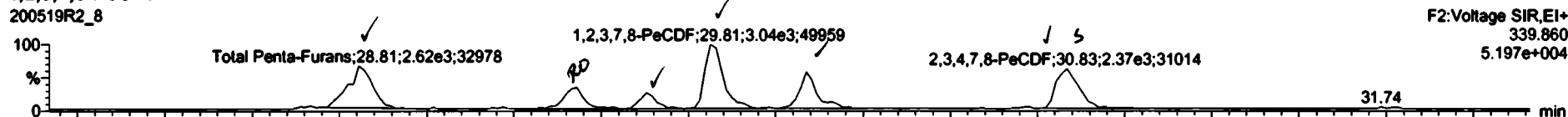


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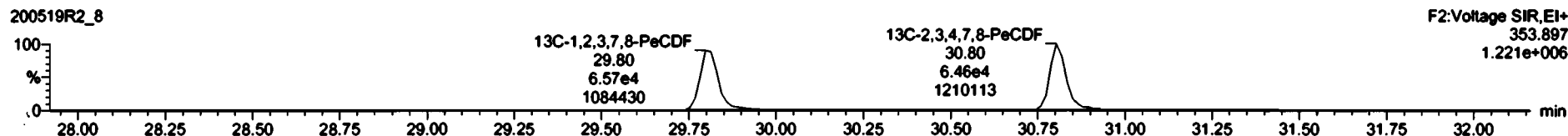
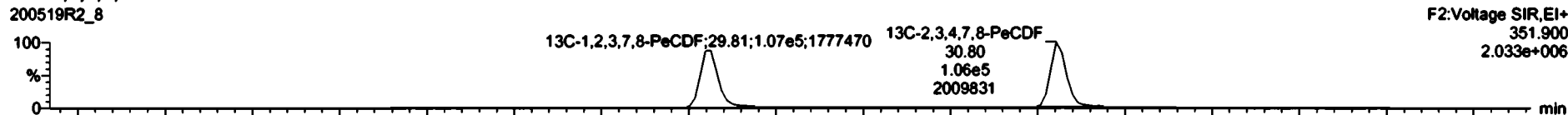
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Name: 200519R2_8, Date: 19-May-2020, Time: 18:55:58, ID: 2000957-03 PDI-147SC-A-05-06-200425 14.49, Description: PDI-147SC-A-05-06-200425

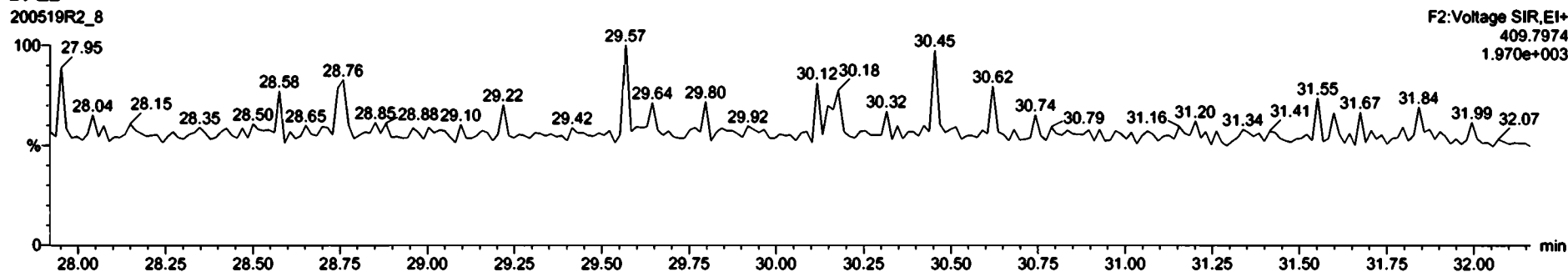
1,2,3,7,8-PeCDF



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



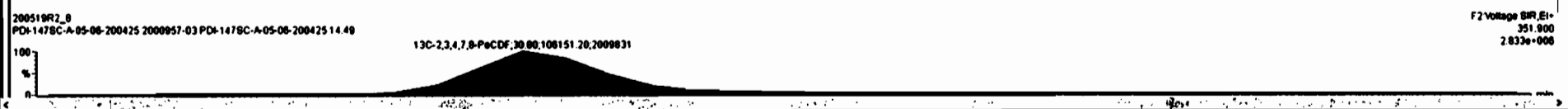
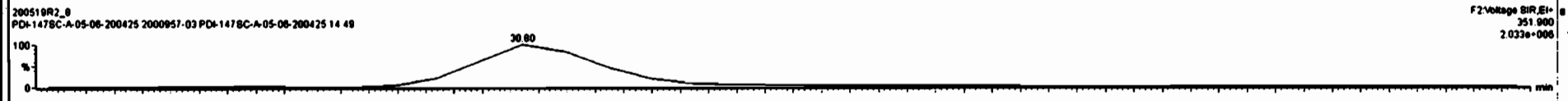
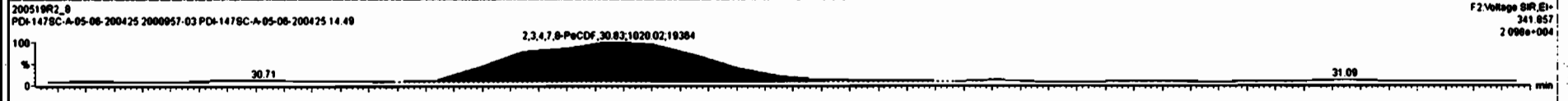
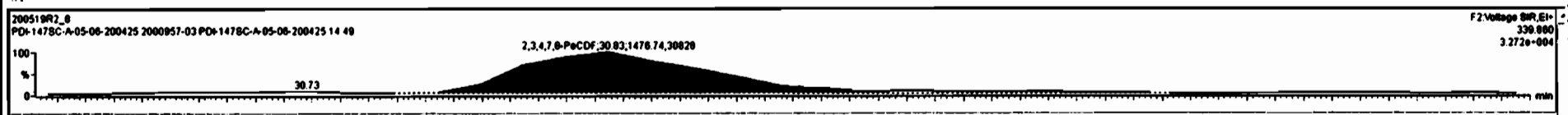
DPE2





Peak	Name	Resp	RA	rdy	RP	val	RT	RP7	Comp.	%Res	CL	BPIC
64	1st Func. Penta-Furane				0.9102	10.020			4.67		0.120	4.67
65	2nd Func. Penta-Furane											
66	Total Mono-Furane				0.9217	10.020			26.91		0.383	30.71

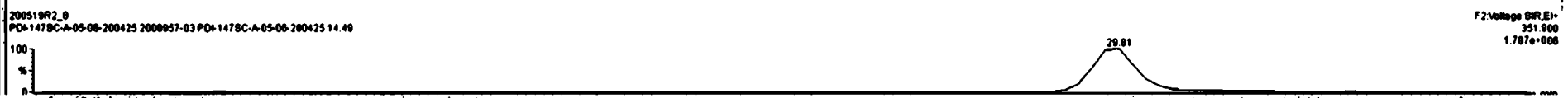
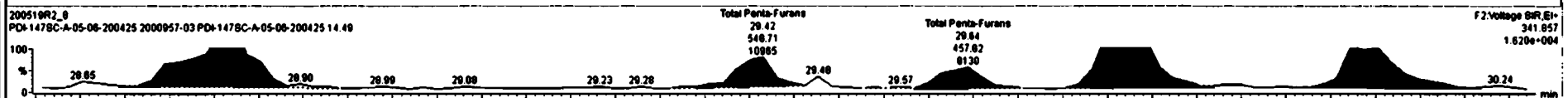
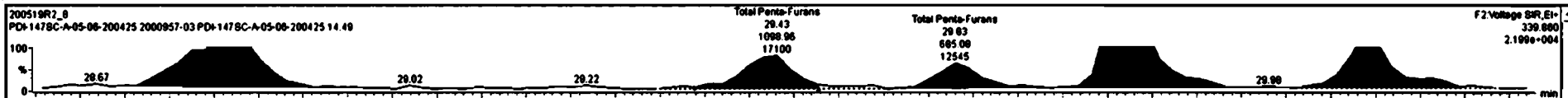
Peak	Name	RT /	ret Resp	std Resp	RA	rdy	BPIC	Comp.
1	Total Penta-Furane	28.81	2.818e3	1.778e3	1.47	NO	5.8085	5.8085
2	Total Penta-Furane	28.43	1.188e3	6.312e2	2.28	YES	1.7273	0.00000
3	Total Penta-Furane	29.83	6.851e2	4.580e2	1.50	NO	1.4562	1.4562
4	1,2,3,7,8-PeCDF	29.81	3.045e3	1.988e3	1.58	NO	6.3328	6.3328
5	Total Penta-Furane	30.08	1.854e3	1.082e3	1.51	NO	3.5019	3.5019
6	2,3,4,7,8-PeCDF	30.83	1.477e3	1.020e3	1.45	NO	3.0207	3.0207
7	Total Penta-Furane	30.85	7.278e2	4.784e2	1.52	NO	1.5382	1.5382





Name	Resp	RA	ry	RPF	vblvl	RT	RRT	Conc.	%Reo	DL	EMPC
44 1st Func. Penta-Furans				0.9102	10.020			4.87		0.120	4.87
45											
46 Total Mass-Furans				0.9217	10.020			26.91		0.300	30.71

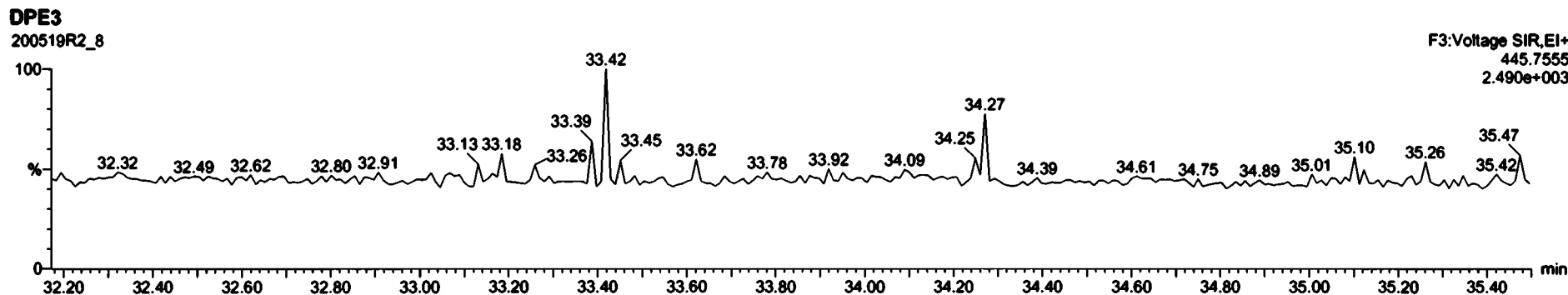
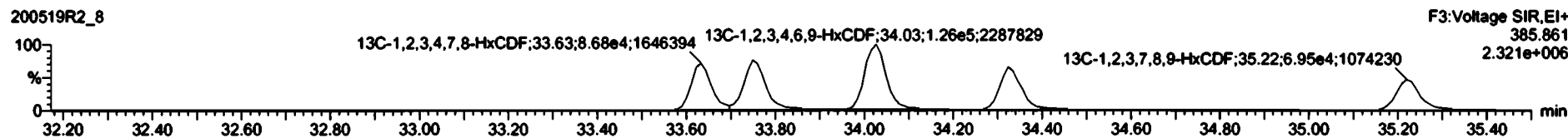
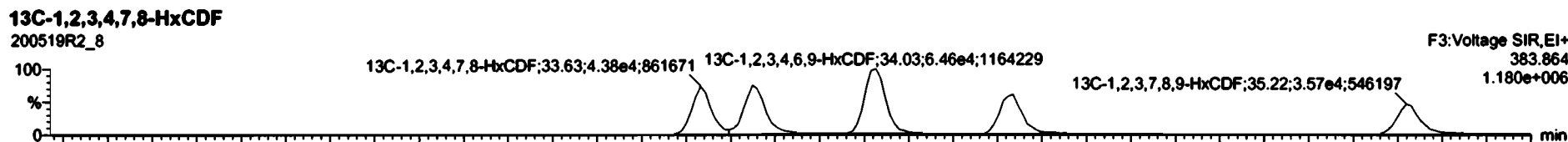
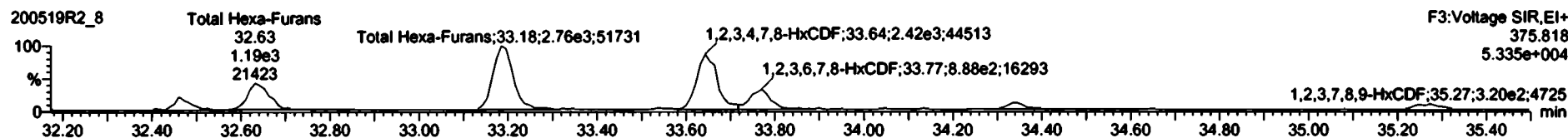
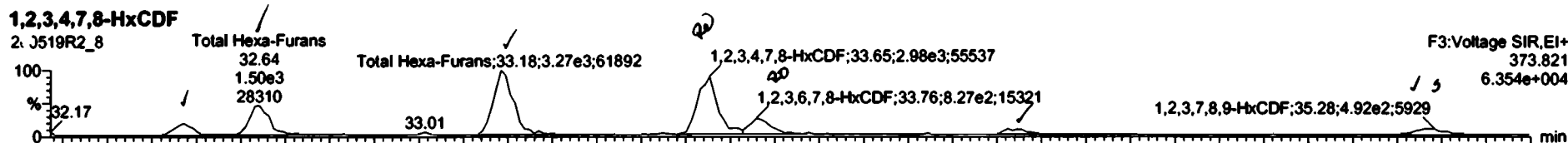
Name	RT /	m1 Resp	m2 Resp	RA	ry	EMPC	Conc.
1 Total Penta-Furans	28.81	2.810e3	1.883e3	1.55	NO	5.4882	5.4882
2 Total Penta-Furans	28.43	1.088e3	5.487e2	2.00	YES	1.7844	0.00000
3 Total Penta-Furans	28.83	6.851e2	4.576e2	1.50	NO	1.4573	1.4573
4 1,2,3,7,8-PeCDF	28.81	3.045e3	2.002e3	1.52	NO	6.3804	6.3804
5 Total Penta-Furans	30.08	1.818e3	1.082e3	1.48	NO	3.4558	3.4558
6 2,3,4,7,8-PeCDF	30.83	1.477e3	1.020e3	1.45	NO	3.0207	3.0207
7 Total Penta-Furans	30.85	7.278e2	4.784e2	1.52	NO	1.5382	1.5382



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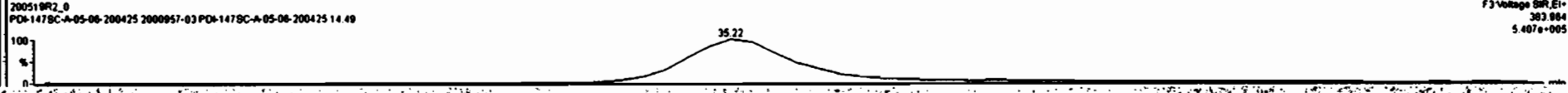
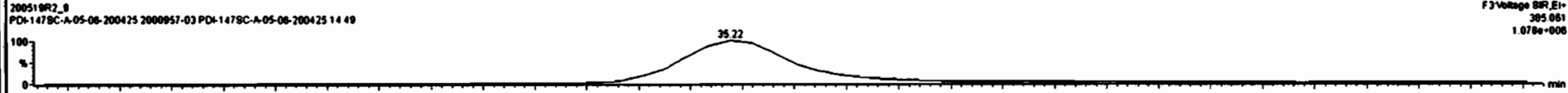
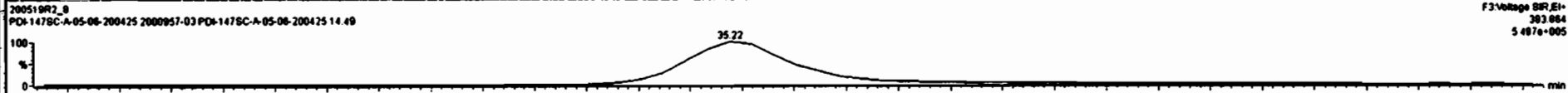
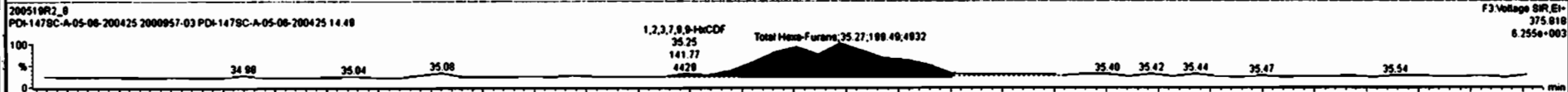
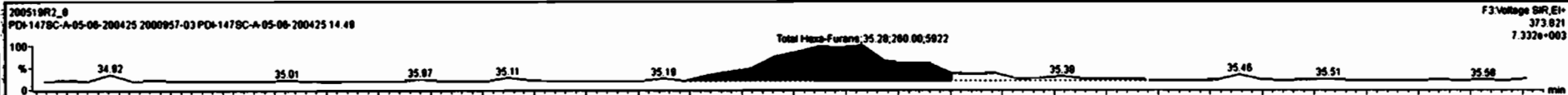
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Name: 200519R2_8, Date: 19-May-2020, Time: 18:55:58, ID: 2000957-03 PDI-147SC-A-05-06-200425 14.49, Description: PDI-147SC-A-05-06-200425



#	Name	Resp	RA	ry	RRF	wbnd	RT	WRT	Comp.	%Res	DL	BSPC
44	1st Func. Para-Furane				0.9102	10.020			4.87		0.120	4.87
45	Total Para-Furane				0.9102	10.020			21.4		0.821	23.1

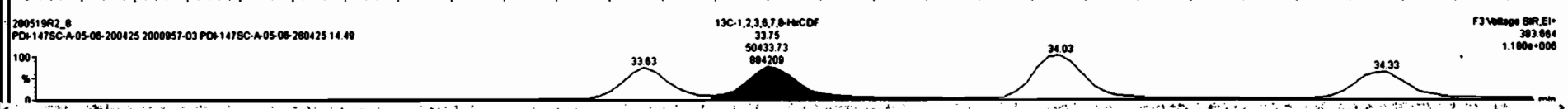
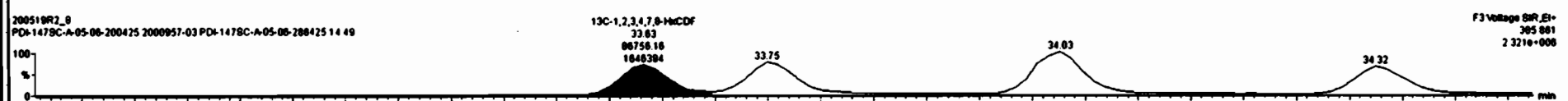
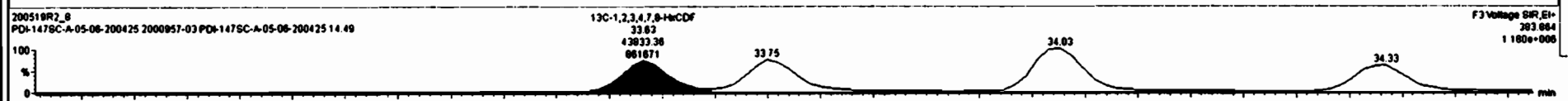
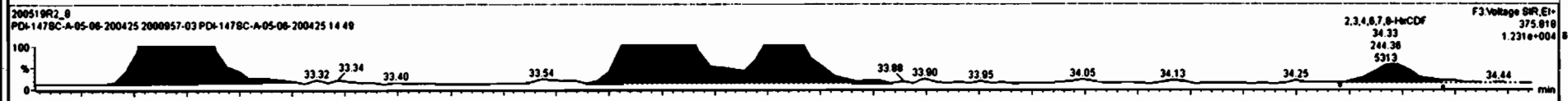
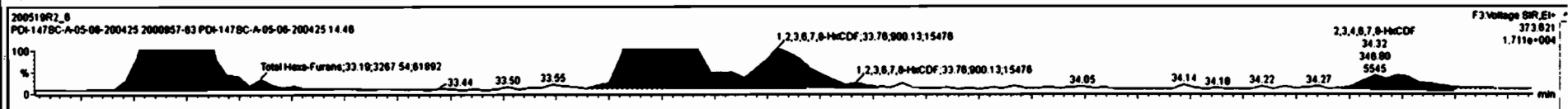
#	Name	RT /	off Resp	mD Resp	RA	ry	BSPC	Comp.
1	Total Hexa-Furane	32.47	5.815e2	4.833e2	1.28	NO	1.7630	1.7630
2	Total Hexa-Furane	32.84	1.407e3	1.191e3	1.28	NO	4.5383	4.5383
3	Total Hexa-Furane	33.19	3.288e3	2.783e3	1.18	NO	10.182	10.182
4	1,2,3,4,7 β-HxCDF	33.65	2.982e3	2.418e3	1.22	NO	9.3864	9.3864
5	1,2,3,6,7 β-HxCDF	33.76	8.267e2	8.886e2	0.93	YES	2.2879	0.00000
6	2,3,4,6,7 β-HxCDF	34.32	3.284e2	2.886e2	1.22	NO	1.0178	1.0178
7	1,2,3,7 β-HxCDF	35.28	1.737e2	1.418e2	1.22	NO	0.88235	0.88235
8	Total Hexa-Furane	35.28	2.800e2	1.886e2	1.37	NO	0.75891	0.75891





Name	Resp	RA	Qty	RF	val	RT	RF	Comp.	%Res	DL	EMPC
44 Total Func. Para-Furane				0.9102	10.020			4.87		0.120	4.87
45 Total Para-Furane				0.9102	10.020			21.4		0.621	23.1

Name	RT	int Resp	std Resp	RA	Qty	EMPC	Comp.
1 Total Hexa-Furane	32.47	5.815e2	4.832e2	1.28	NO	1.7830	1.7830
2 Total Hexa-Furane	32.84	1.487e3	1.191e3	1.28	NO	4.5383	4.5383
3 Total Hexa-Furane	33.19	3.288e3	2.783e3	1.18	NO	10.182	10.182
4 1,2,3,4,7,8-HxCDF	33.86	2.838e3	2.422e3	1.21	NO	9.3291	9.3291
5 1,2,3,6,7,8-HxCDF	33.78	9.001e2	8.930e2	1.01	YES	2.4888	0.00000
6 2,3,4,6,7,8-HxCDF	34.32	3.488e2	2.444e2	1.43	YES	0.93658	0.00000
7 1,2,3,7,8-HxCDF	35.28	1.737e2	1.418e2	1.23	NO	0.88235	0.88235
8 Total Hexa-Furane	35.28	2.800e2	1.885e2	1.37	NO	0.75891	0.75891



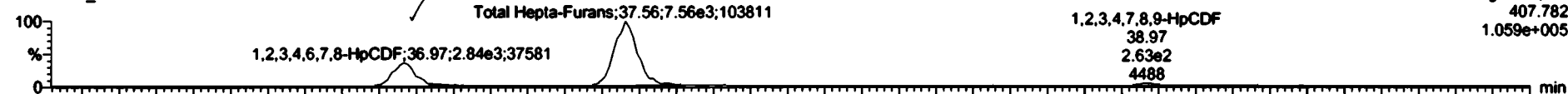
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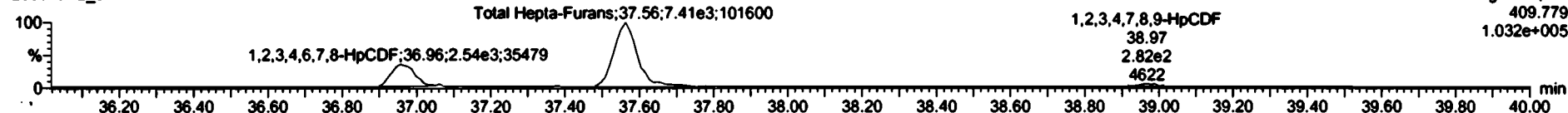
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1,2,3,4,6,7,8-HpCDF

200519R2_8



200519R2_8

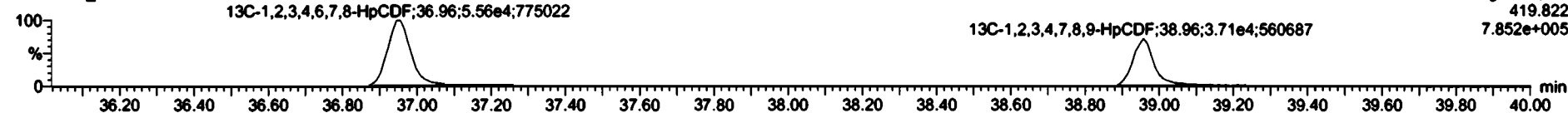


13C-1,2,3,4,6,7,8-HpCDF

200519R2_8

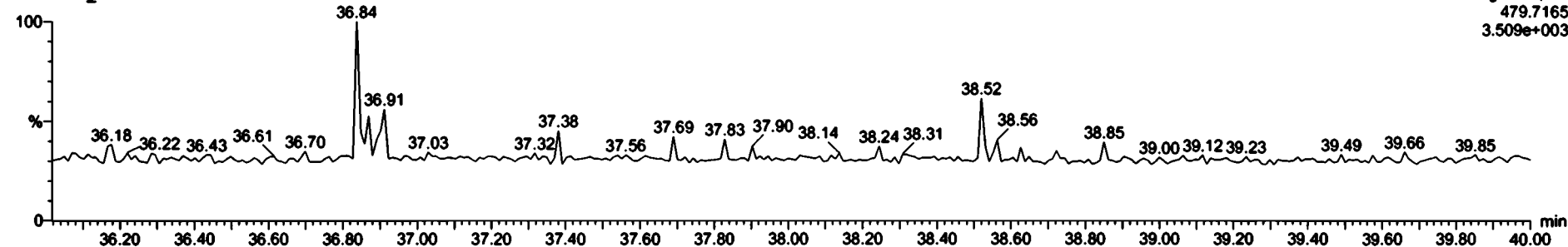


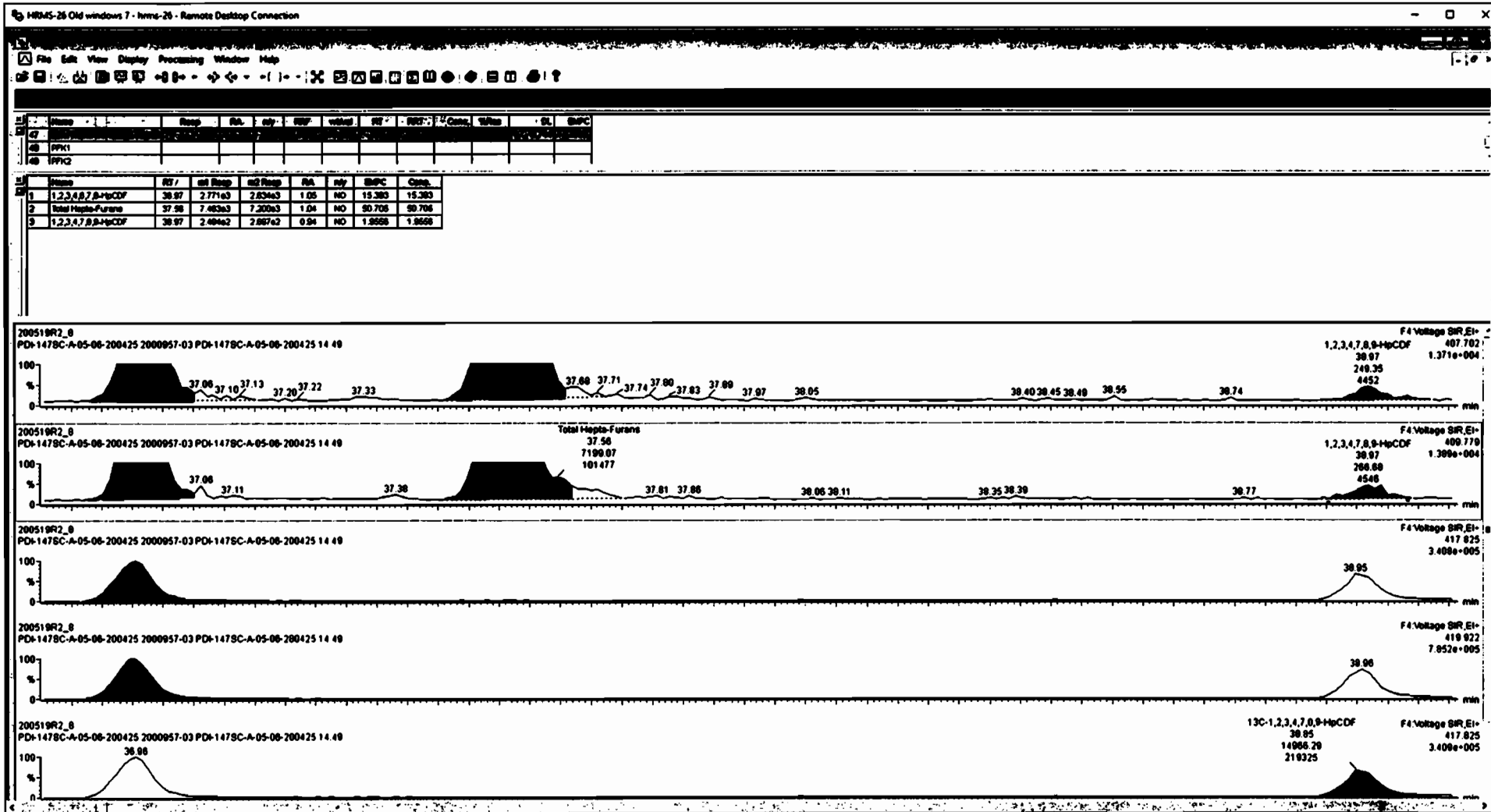
200519R2_8



DPE4

200519R2_8

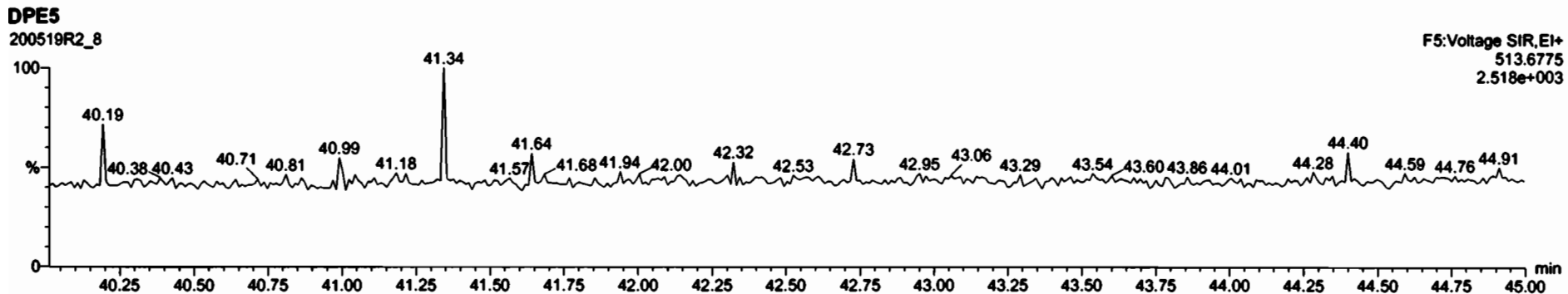
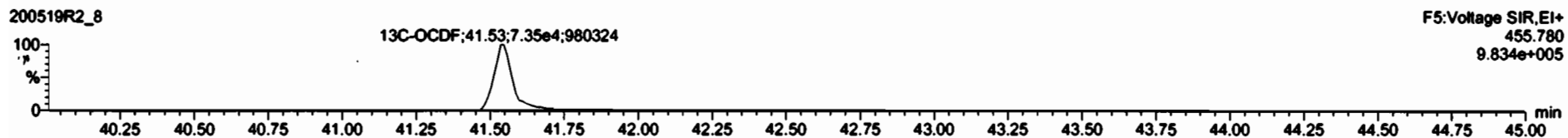
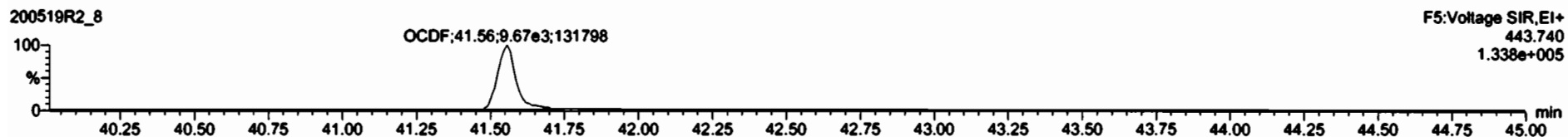




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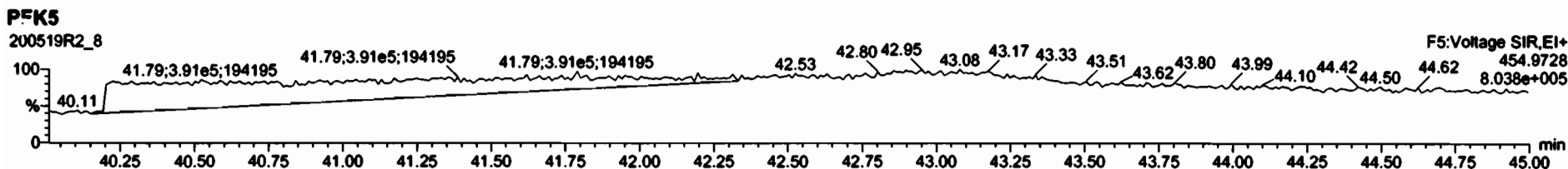
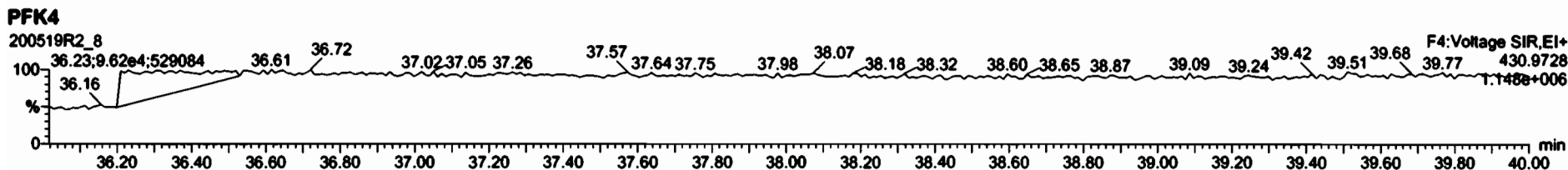
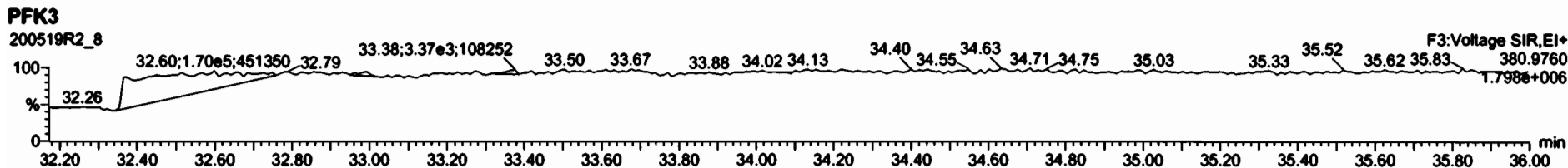
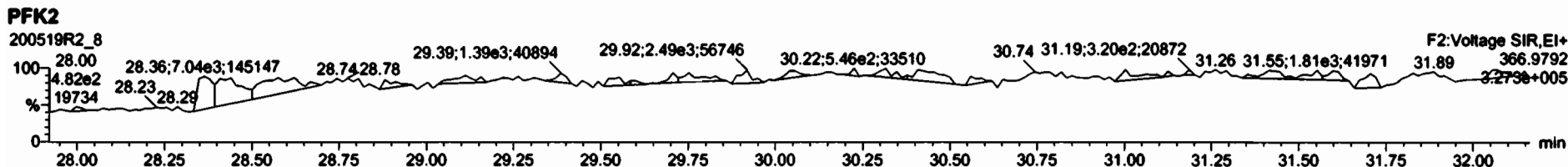
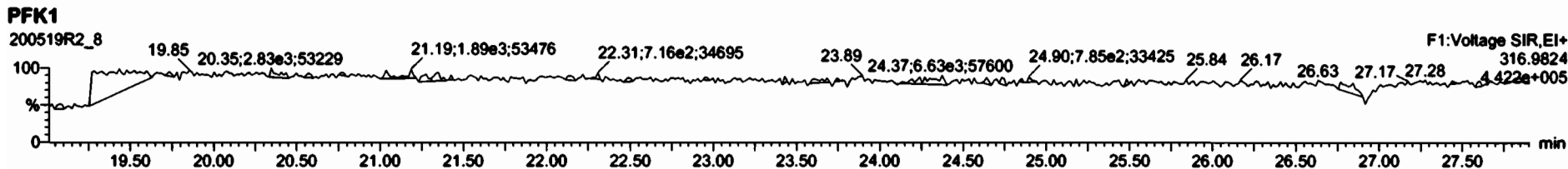
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Dataset: Untitled

Last Altered: Wednesday, May 20, 2020 08:24:27 Pacific Daylight Time
Printed: Wednesday, May 20, 2020 08:24:37 Pacific Daylight Time

Name: 200519R2_8, Date: 19-May-2020, Time: 18:55:58, ID: 2000957-03 PDI-147SC-A-05-06-200425 14.49, Description: PDI-147SC-A-05-06-200425



Dataset: U:\VG12.PRO\Results\200519R2\200519R2-9.qld

Last Altered: Tuesday, June 02, 2020 11:27:18 Pacific Daylight Time
Printed: Tuesday, June 02, 2020 11:27:49 Pacific Daylight Time

BL 05/02/2020

CT 06/02/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
Calibration: U:\VG12.PRO\CurveDB\ldb5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200519R2_9, Date: 19-May-2020, Time: 19:42:09, ID: 2000957-04 PDI-147SC-A-06-07-200425 14.69, Description: PDI-147SC-A-06-07-200425

# Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.LRRT	LRRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD												0.217	
2 1,2,3,7,8-PeCDD	3.24e2	0.72	NO	0.942	10.030	31.132	31.11	1.001	1.000	0.45881		0.217	0.459
3 1,2,3,4,7,8-HxCDD	5.23e2	0.92	YES	1.06	10.030	34.494	34.52	1.000	1.001	0.85913		1.28	0.740
4 1,2,3,6,7,8-HxCDD			NO	0.915	10.030	34.591		1.000				1.17	
5 1,2,3,7,8,9-HxCDD	1.34e3	1.07	NO	0.915	10.030	34.878	34.88	1.000	1.000	2.3251		1.45	2.33
6 1,2,3,4,6,7,8-HpCDD	2.14e5	1.01	NO	0.898	10.030	38.384	38.38	1.000	1.000	513.79		3.82	514
7 OCDD	1.58e6	0.88	NO	0.933	10.030	41.364	41.38	1.000	1.000	3718.2		2.92	3720
8 2,3,7,8-TCDF	5.39e3	0.77	NO	0.787	10.030	25.116	25.11	1.001	1.001	4.4747		0.440	4.47
9 1,2,3,7,8-PeCDF	4.54e3	1.56	NO	0.910	10.030	29.818	29.81	1.001	1.001	4.2345	(3.99)	0.215	4.23
10 2,3,4,7,8-PeCDF	2.79e3	1.33	NO	0.966	10.030	30.835	30.80	1.001	1.000	2.4859		0.197	2.49
11 1,2,3,4,7,8-HxCDF	4.88e3	1.14	NO	0.878	10.030	33.621	33.63	1.000	1.000	6.6222		0.296	6.62
12 1,2,3,6,7,8-HxCDF	1.71e3	1.41	NO	0.874	10.030	33.759	33.77	1.000	1.001	2.0086		0.281	2.01
13 2,3,4,6,7,8-HxCDF	7.18e2	1.33	NO	0.922	10.030	34.358	34.33	1.001	1.000	0.94391		0.332	0.944
14 1,2,3,7,8,9-HxCDF	1.61e2	1.06	NO	0.864	10.030	35.219	35.23	1.000	1.000	0.26378		0.475	0.264
15 1,2,3,4,6,7,8-HpCDF	1.16e4	0.97	NO	0.871	10.030	36.971	36.97	1.001	1.001	22.861		0.799	22.9
16 1,2,3,4,7,8,9-HpCDF	8.39e2	0.94	NO	1.01	10.030	38.957	38.96	1.000	1.000	2.2213		0.972	2.22
17 OCDF				0.802	10.030	41.545		1.000				0.363	
18 13C-2,3,7,8-TCDD	2.01e5	0.77	NO	1.16	10.030	26.015	26.02	1.026	1.027	161.72	81.1	0.348	
19 13C-1,2,3,7,8-PeCDD	1.50e5	0.65	NO	0.847	10.030	31.105	31.11	1.227	1.227	164.49	82.5	0.620	
20 13C-1,2,3,4,7,8-HxCDD	1.15e5	1.26	NO	0.750	10.030	34.495	34.48	1.014	1.014	143.30	71.9	0.934	
21 13C-1,2,3,6,7,8-HxCDD	1.47e5	1.23	NO	0.963	10.030	34.607	34.59	1.017	1.017	143.35	71.9	0.727	
22 13C-1,2,3,7,8,9-HxCDD	1.25e5	1.19	NO	0.838	10.030	34.876	34.87	1.025	1.025	140.30	70.4	0.836	
23 13C-1,2,3,4,6,7,8-HpCDD	9.24e4	1.06	NO	0.641	10.030	38.366	38.37	1.128	1.128	135.08	67.7	0.856	
24 13C-OCDD	1.79e5	0.91	NO	0.586	10.030	41.359	41.36	1.216	1.216	286.24	71.8	0.802	
25 13C-2,3,7,8-TCDF	3.05e5	0.80	NO	1.03	10.030	25.075	25.09	0.989	0.990	154.49	77.5	0.585	
26 13C-1,2,3,7,8-PeCDF	2.35e5	1.65	NO	0.845	10.030	29.794	29.80	1.176	1.176	145.67	73.1	1.04	
27 13C-2,3,4,7,8-PeCDF	2.31e5	1.64	NO	0.814	10.030	30.785	30.80	1.215	1.215	148.82	74.6	1.08	
28 13C-1,2,3,4,7,8-HxCDF	1.67e5	0.50	NO	1.00	10.030	33.634	33.62	0.989	0.988	156.22	78.3	1.28	
29 13C-1,2,3,6,7,8-HxCDF	1.94e5	0.50	NO	1.14	10.030	33.756	33.75	0.992	0.992	160.18	80.3	1.13	
30 13C-2,3,4,6,7,8-HxCDF	1.65e5	0.51	NO	1.02	10.030	34.325	34.32	1.009	1.009	150.92	75.7	1.26	
31 13C-1,2,3,7,8,9-HxCDF	1.41e5	0.50	NO	0.845	10.030	35.216	35.22	1.035	1.035	156.15	78.3	1.53	

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-9.qld

Last Altered: Tuesday, June 02, 2020 11:27:18 Pacific Daylight Time
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Name: 200519R2_9, Date: 19-May-2020, Time: 19:42:09, ID: 2000957-04 PDI-147SC-A-06-07-200425 14.69, Description: PDI-147SC-A-06-07-200425

#	Name	Resp	FA	ny	RRF	wvol	Pred.RT	RT	Pred.RT%RTE	RT%	Conc	DCM	EMPC	
32	13C-1,2,3,4,6,7,8-HpCDF	1.16e5	0.43	NO	0.771	10.030	36.947	36.93	1.086	1.086	140.80	70.6	1.39	
33	13C-1,2,3,4,7,8,9-HpCDF	7.44e4	0.41	NO	0.482	10.030	38.957	38.96	1.145	1.145	144.74	72.6	2.22	
34	13C-OCDF	2.16e5	0.89	NO	0.669	10.030	41.529	41.54	1.221	1.221	302.68	75.9	0.708	
35	37Cl-2,3,7,8-TCDD	8.23e4			1.10	10.030	26.046	26.05	1.028	1.028	69.843	87.6	0.227	
36	13C-1,2,3,4-TCDD	2.14e5	0.82	NO	1.00	10.030	25.350	25.35	1.000	1.000	199.39	100	0.404	
37	13C-1,2,3,4-TCDF	3.81e5	0.79	NO	1.00	10.030	23.560	23.58	1.000	1.000	199.39	100	0.605	
38	13C-1,2,3,4,6,9-HxCDF	2.13e5	0.50	NO	1.00	10.030	34.000	34.01	1.000	1.000	199.39	100	1.29	
39	Total Tetra-Dioxins				0.947	10.030	24.620		0.000		0.86862		0.251	1.72
40	Total Penta-Dioxins				0.942	10.030	29.960		0.000		5.2898		0.217	6.27
41	Total Hexa-Dioxins				0.915	10.030	33.635		0.000		96.033		1.33	96.8
42	Total Hepta-Dioxins				0.898	10.030	37.640		0.000		1273.2		3.82	1270
43	Total Tetra-Furans				0.787	10.030	23.610		0.000		19.827		0.440	21.2
44	1st Func. Penta-Furans				0.910	10.030	27.090		0.000		4.0799		0.0492	4.08
45	Total Penta-Furans				0.910	10.030	29.275		0.000		14.118		0.212	14.3
46	Total Hexa-Furans				0.922	10.030	33.555		0.000		30.656		0.324	31.4
47	Total Hepta-Furans				0.871	10.030	37.835		0.000		126.47		0.928	126

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-9.qld

Last Altered: Tuesday, June 02, 2020 11:27:18 Pacific Daylight Time
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Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200519R2_9, Date: 19-May-2020, Time: 19:42:09, ID: 2000957-04 PDI-147SC-A-06-07-200425 14.69, Description: PDI-147SC-A-06-07-200425

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Tetra-Dioxins	22.29	2.843e3	3.264e3	2.105e2	2.518e2	0.84	NO	4.623e2	0.48355	0.48355	0.251
Total Tetra-Dioxins	23.76	3.068e3	2.645e3	1.896e2	1.779e2	1.07	YES	0.000e0	0.00000	0.32946	0.251
Total Tetra-Dioxins	24.01	4.466e3	3.713e3	2.010e2	2.937e2	0.68	NO	0.000e0	0.00000	0.51751	0.251
Total Tetra-Dioxins	24.25	2.345e3	4.615e3	1.486e2	2.195e2	0.68	NO	3.681e2	0.38508	0.38508	0.251

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Penta-Dioxins	28.87	7.955e3	1.213e4	5.929e2	8.743e2	0.68	NO	1.467e3	2.0759	2.0759	0.217
Total Penta-Dioxins	29.37	4.545e3	5.686e3	2.176e2	3.746e2	0.58	NO	5.922e2	0.83796	0.83796	0.217
Total Penta-Dioxins	29.86	3.966e3	6.156e3	1.901e2	2.772e2	0.69	NO	4.673e2	0.66111	0.66111	0.217
Total Penta-Dioxins	30.03	5.057e3	4.284e3	2.091e2	2.316e2	0.90	YES	0.000e0	0.00000	0.53412	0.217
Total Penta-Dioxins	30.12	1.575e3	6.187e3	7.764e1	2.735e2	0.28	YES	0.000e0	0.00000	0.28423	0.217
Total Penta-Dioxins	30.35	5.043e3	6.763e3	3.589e2	5.288e2	0.68	NO	8.877e2	1.2560	1.2560	0.217
1,2,3,7,8-PeCDD	31.11	3.236e3	4.547e3	1.354e2	1.889e2	0.72	NO	3.243e2	0.45881	0.45881	0.217
Total Penta-Dioxins	31.51	1.382e3	1.386e3	6.557e1	6.866e1	0.96	YES	0.000e0	0.00000	0.15835	0.217

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Hexa-Dioxins	33.01	2.672e5	2.227e5	1.532e4	1.247e4	1.23	NO	2.779e4	46.955	46.955	1.33
Total Hexa-Dioxins	33.57	2.545e4	1.919e4	1.357e3	1.120e3	1.21	NO	2.477e3	4.1859	4.1859	1.33
Total Hexa-Dioxins	33.82	1.788e5	1.384e5	1.386e4	1.133e4	1.22	NO	2.519e4	42.567	42.567	1.33
1,2,3,4,7,8-HxCDD	34.52	4.883e3	5.725e3	2.503e2	2.732e2	0.92	YES	5.235e2	0.00000	0.73953	1.20
1,2,3,7,8,9-HxCDD	34.88	9.705e3	1.083e4	6.895e2	6.472e2	1.07	NO	1.337e3	2.3251	2.3251	1.45

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-9.qld

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Name: 200519R2_9, Date: 19-May-2020, Time: 19:42:09, ID: 2000957-04 PDI-147SC-A-06-07-200425 14.69, Description: PDI-147SC-A-06-07-200425

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hepta-Dioxins	37.35	1.726e6	1.689e6	1.631e5	1.528e5	1.07	NO	3.159e5	759.38	759.38	3.82
1,2,3,4,6,7,8-HpCDD	38.38	1.162e6	1.143e6	1.075e5	1.063e5	1.01	NO	2.138e5	513.79	513.79	3.82

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Furans	19.81	2.330e3	3.225e3	1.879e2	2.053e2	0.92	YES	0.000e0	0.00000	0.30159	0.440
Total Tetra-Furans	20.35	4.038e3	5.792e3	2.866e2	4.669e2	0.61	YES	0.000e0	0.00000	0.54680	0.440
Total Tetra-Furans	20.92	2.296e4	3.030e4	2.066e3	2.584e3	0.80	NO	4.650e3	3.8599	3.8599	0.440
Total Tetra-Furans	21.84	1.317e4	1.503e4	1.262e3	1.479e3	0.85	NO	2.742e3	2.2758	2.2758	0.440
Total Tetra-Furans	22.32	7.249e3	9.631e3	6.404e2	8.824e2	0.73	NO	1.523e3	1.2640	1.2640	0.440
Total Tetra-Furans	23.48	6.655e3	8.913e3	4.569e2	6.040e2	0.76	NO	1.061e3	0.88065	0.88065	0.440
Total Tetra-Furans	23.55	7.930e3	7.902e3	7.404e2	8.442e2	0.88	NO	1.585e3	1.3153	1.3153	0.440
Total Tetra-Furans	24.13	2.406e4	3.421e4	2.164e3	2.992e3	0.72	NO	5.156e3	4.2797	4.2797	0.440
Total Tetra-Furans	25.03	6.388e3	8.023e3	4.382e2	5.618e2	0.78	NO	1.000e3	0.83014	0.83014	0.440
2,3,7,8-TCDF	25.11	3.351e4	4.311e4	2.348e3	3.042e3	0.77	NO	5.391e3	4.4747	4.4747	0.440
Total Tetra-Furans	25.53	3.859e3	5.834e3	3.296e2	3.599e2	0.92	YES	0.000e0	0.00000	0.52880	0.440
Total Tetra-Furans	27.19	6.036e3	9.964e3	3.360e2	4.433e2	0.76	NO	7.794e2	0.64693	0.64693	0.440

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1st Func. Penta-Furans	27.17	3.913e4	2.701e4	2.627e3	1.716e3	1.53	NO	4.343e3	4.0799	4.0799	0.0492

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-9.qld

Last Altered: Tuesday, June 02, 2020 11:27:18 Pacific Daylight Time
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Name: 200519R2_9, Date: 19-May-2020, Time: 19:42:09, ID: 2000957-04 PDI-147SC-A-06-07-200425 14.69, Description: PDI-147SC-A-06-07-200425

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPO	DL
Total Penta-Furans	28.81	3.834e4	1.813e4	2.496e3	1.447e3	1.72	NO	3.943e3	3.7037	3.7037	0.212
Total Penta-Furans	29.40	1.318e4	8.512e3	6.956e2	4.721e2	1.47	NO	1.168e3	1.0968	1.0968	0.212
Total Penta-Furans	29.63	7.209e3	4.787e3	3.340e2	2.529e2	1.32	NO	5.869e2	0.55124	0.55124	0.212
1,2,3,7,8-PeCDF	29.81	5.360e4	3.107e4	2.768e3	1.776e3	1.56	NO	4.544e3	4.2345	4.2345	0.215
Total Penta-Furans	30.07	2.033e4	1.489e4	1.293e3	8.850e2	1.46	NO	2.178e3	2.0462	2.0462	0.212
2,3,4,7,8-PeCDF	30.80	2.584e4	1.991e4	1.589e3	1.199e3	1.33	NO	2.787e3	2.4859	2.4859	0.197
Total Penta-Furans	30.87	1.289e4	7.063e3	2.114e2	9.005e1	2.35	YES	0.000e0	0.00000	0.21569	0.212

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPO	DL
Total Hexa-Furans	32.46	1.561e4	1.245e4	5.996e2	5.638e2	1.06	NO	1.163e3	1.5100	1.5100	0.324
Total Hexa-Furans	32.63	3.821e4	3.768e4	2.219e3	2.021e3	1.10	NO	4.240e3	5.5032	5.5032	0.324
Total Hexa-Furans	33.17	9.970e4	8.087e4	5.664e3	4.971e3	1.14	NO	1.064e4	13.804	13.804	0.324
1,2,3,4,7,8-HxCDF	33.63	4.649e4	3.512e4	2.604e3	2.278e3	1.14	NO	4.882e3	6.6222	6.6222	0.296
1,2,3,6,7,8-HxCDF	33.77	1.602e4	1.376e4	9.993e2	7.100e2	1.41	NO	1.709e3	2.0086	2.0086	0.281
2,3,4,6,7,8-HxCDF	34.33	7.491e3	6.258e3	4.099e2	3.079e2	1.33	NO	7.178e2	0.94391	0.94391	0.332
1,2,3,7,8,9-HxCDF	35.23	2.829e3	3.275e3	8.275e1	7.804e1	1.06	NO	1.608e2	0.26378	0.26378	0.475
Total Hexa-Furans	35.27	6.672e3	4.349e3	3.082e2	2.324e2	1.33	NO	0.000e0	0.00000	0.70173	0.324

Hepta-Furans

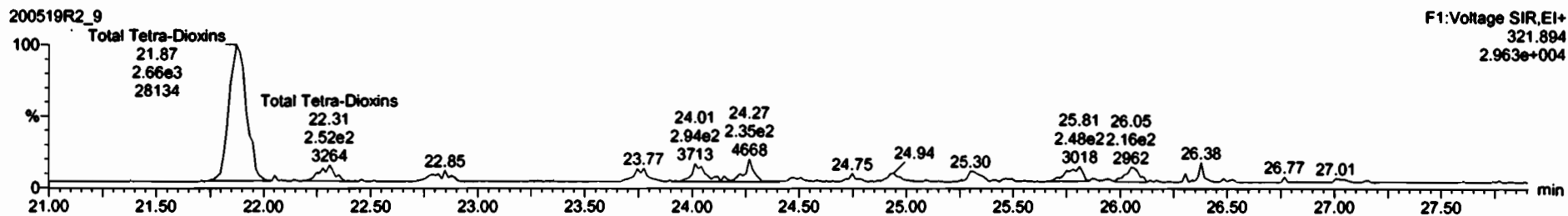
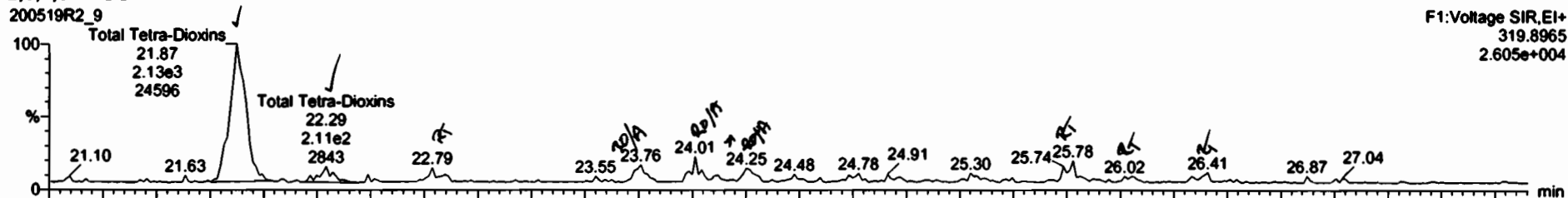
Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPO	DL
1,2,3,4,6,7,8-HpCDF	36.97	6.726e4	6.519e4	5.691e3	5.874e3	0.97	NO	1.156e4	22.861	22.861	0.799
Total Hepta-Furans	37.56	2.173e5	2.320e5	2.109e4	2.104e4	1.00	NO	4.213e4	101.39	101.39	0.928
1,2,3,4,7,8,9-HpCDF	38.96	6.197e3	6.045e3	4.060e2	4.327e2	0.94	NO	8.388e2	2.2213	2.2213	0.972

Dataset: Untitled

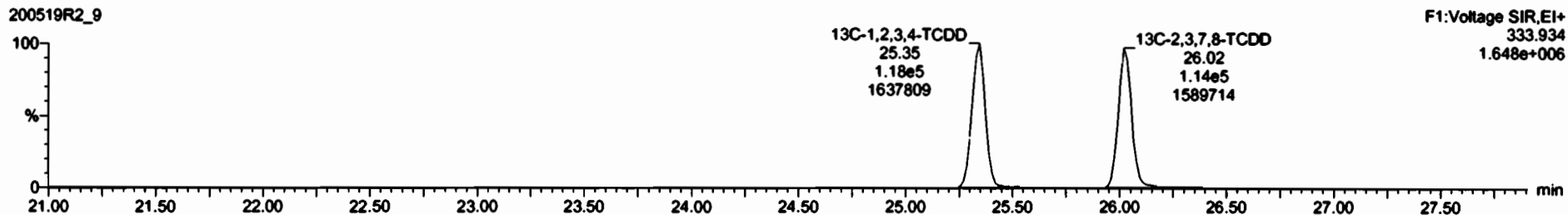
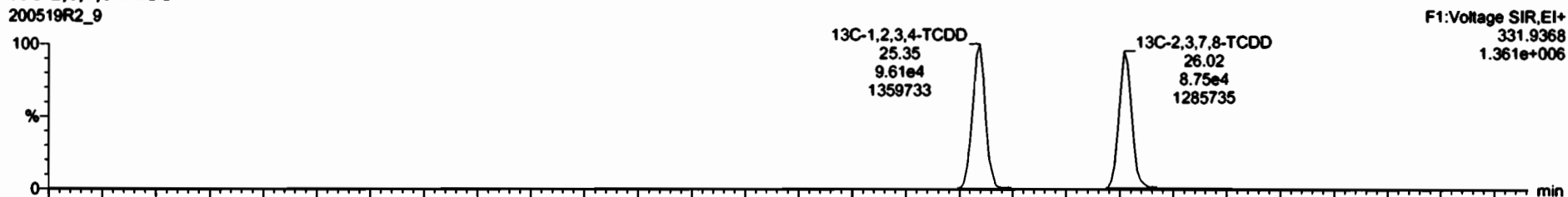
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Printed: Wednesday, May 20, 2020 08:24:37 Pacific Daylight Time

Name: 200519R2_9, Date: 19-May-2020, Time: 19:42:09, ID: 2000957-04 PDI-147SC-A-06-07-200425 14.69, Description: PDI-147SC-A-06-07-200425

2,3,7,8-TCDD



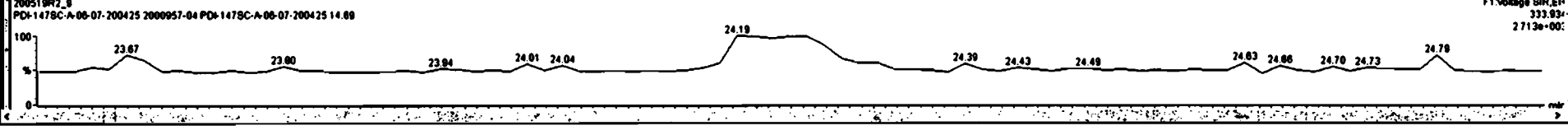
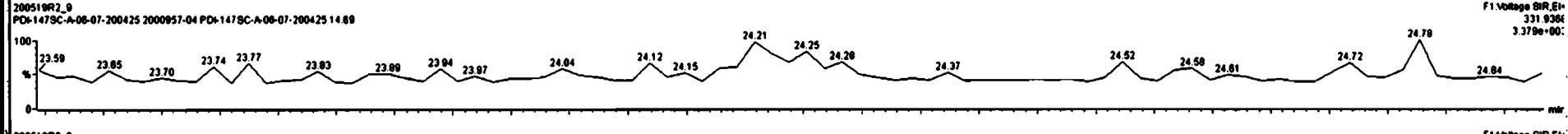
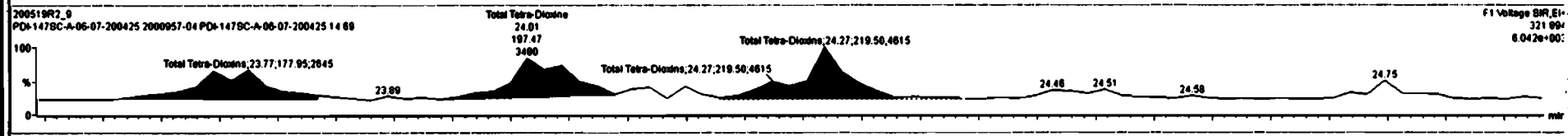
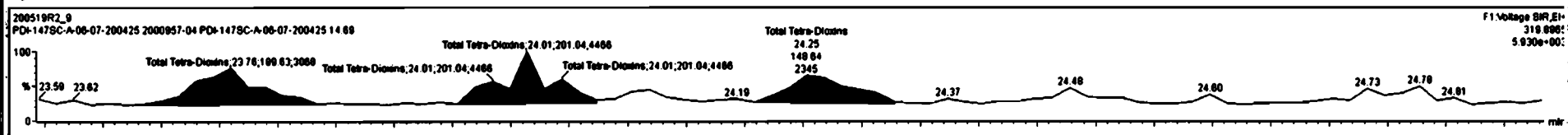
13C-2,3,7,8-TCDD





Name	Comp.	DL	%Proc	EMPC	AbsRamp	RVP	RT	Q	RF	RA	YRM	RVT	AcqDate	AbsTime	14 Cr/Mass ID	Sample Vol	Posteri	EMC/CalPh	
30																			
40	Total Tetra-Dioxins	4.188e2	0.217		5.435e1		0.942		40				19-May-20	19:42:00	2000957-04	PDI-147SC-A-06	0.0	10.0	db5_1...
41	Total Hexa-Dioxins	97.4642	1.33		104.664		0.915		41				19-May-20	19:42:00	2000957-04	PDI-147SC-A-06	0.0	10.0	db5_1...

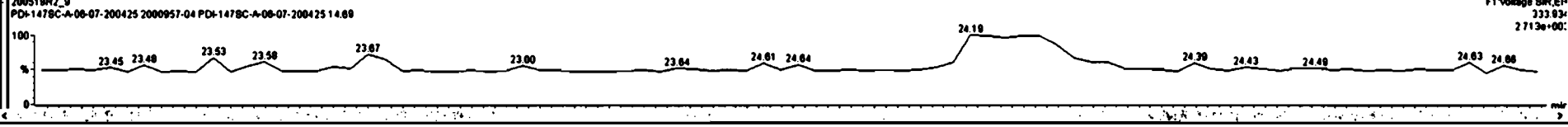
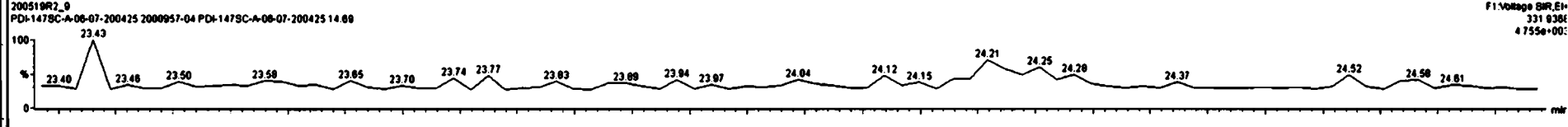
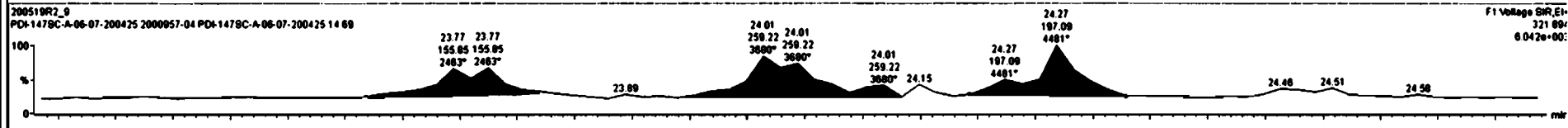
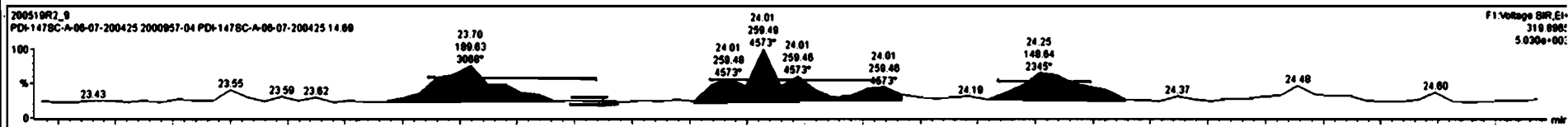
Name	RT	est Ht/Sp	est Ht/Sp	est Ht/Sp	est Ht/Sp	RA	adj	Ramp	Comp.	EMPC
1	Total Tetra-Dioxins	2.480e4	2.013e4	2.135e3	2.883e3	0.80	NO	4.789e3	5.02	5.02
2	Total Tetra-Dioxins	2.843e3	3.284e3	2.105e2	2.518e2	0.84	NO	4.823e2	0.484	0.484
3	Total Tetra-Dioxins	3.009e3	2.645e3	1.898e2	1.779e2	1.07	YES	0.000e0	0.000	0.329
4	Total Tetra-Dioxins	4.488e3	3.480e3	2.010e2	1.975e2	1.02	YES	0.000e0	0.000	0.388
5	Total Tetra-Dioxins	2.345e3	4.815e3	1.488e2	2.195e2	0.89	NO	3.891e2	0.385	0.385





Name	Resp	RE	oly	RPV	rdVal	RT	RPV	Comp.	%Res	OL	EMPC
13C-1,2,3,4,5,6-CDP	2.13e5	0.50	NO	1.0000	10.000	34.01	1.000	100	100	1.20	
Total Penta-Dioxins											
				0.9425	10.000			4.171		0.217	5.43

Name	RT	rd Resp	rd RPV	Rs	oly	EMPC	Comp.
Total Tetra-Dioxins	22.28	2.105e2	7.510e2	0.84	NO	0.48400	0.48385
Total Tetra-Dioxins	21.87	2.135e3	2.883e3	0.80	NO	5.0180	5.0181

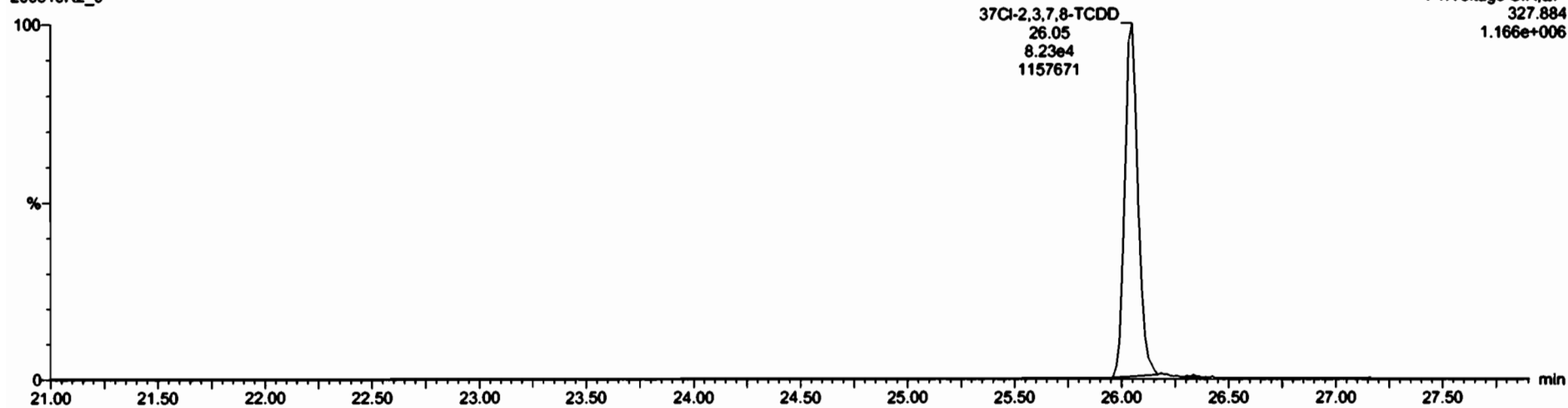


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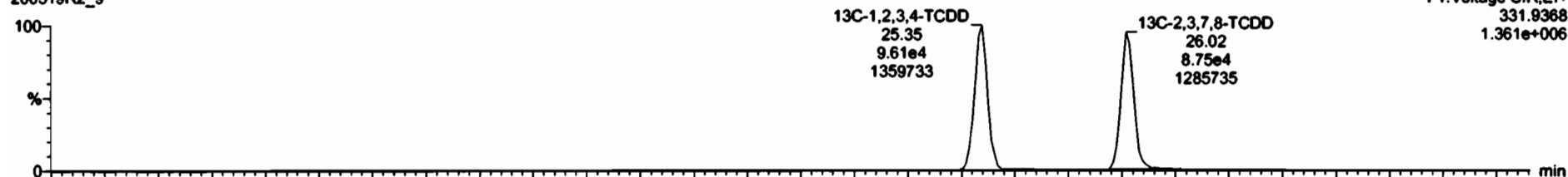
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Name: 200519R2_9, Date: 19-May-2020, Time: 19:42:09, ID: 2000957-04 PDI-147SC-A-06-07-200425 14.69, Description: PDI-147SC-A-06-07-200425

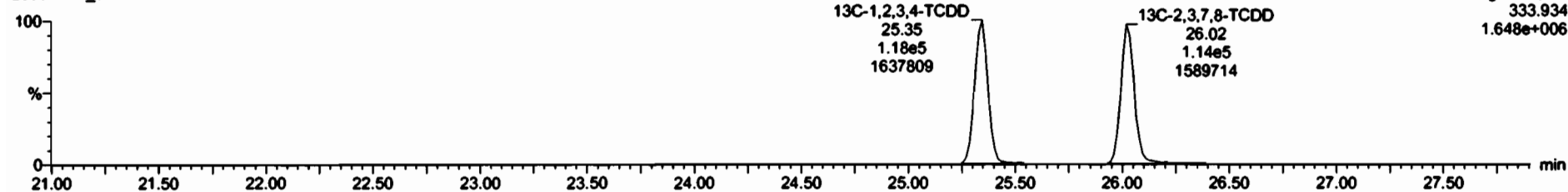
37Cl-2,3,7,8-TCDD
200519R2_9



13C-1,2,3,4-TCDD
200519R2_9



200519R2_9



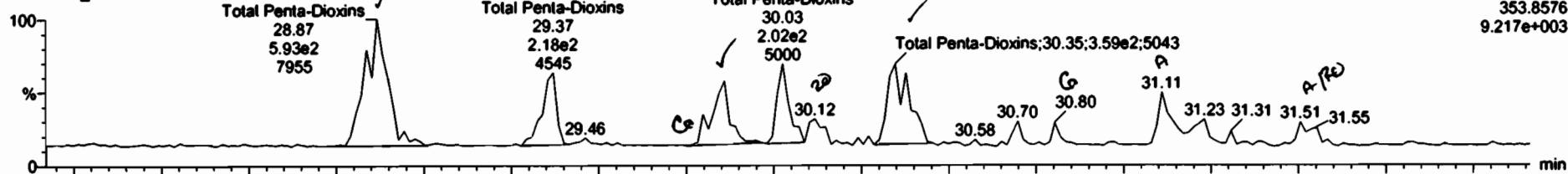
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Name: 200519R2_9, Date: 19-May-2020, Time: 19:42:09, ID: 2000957-04 PDI-147SC-A-06-07-200425 14.69, Description: PDI-147SC-A-06-07-200425

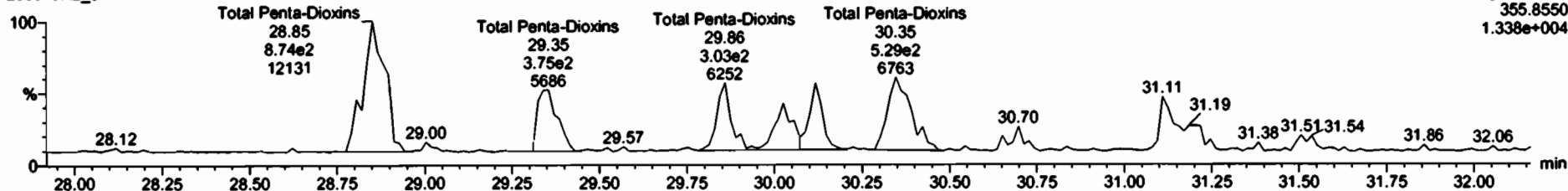
1,2,3,7,8-PeCDD

200519R2_9



F2:Voltage SIR,EI+
353.8576
9.217e+003

200519R2_9



F2:Voltage SIR,EI+
355.8550
1.338e+004

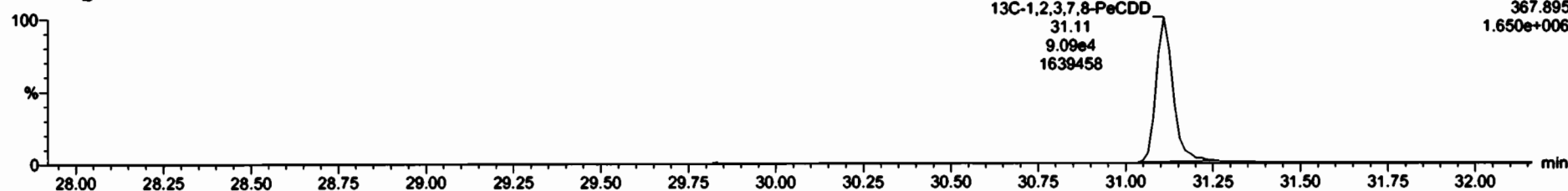
13C-1,2,3,7,8-PeCDD

200519R2_9



F2:Voltage SIR,EI+
365.8978
1.057e+006

2: 0519R2_9

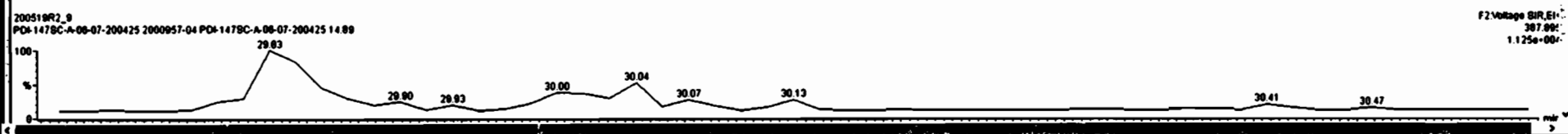
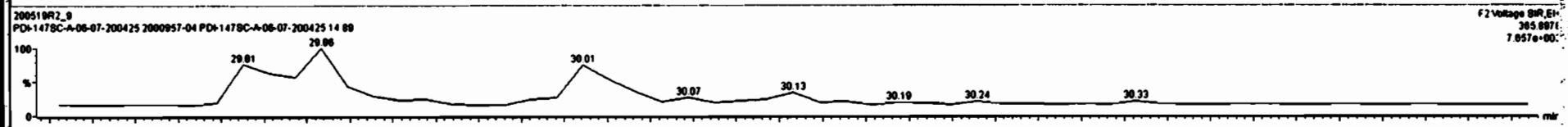
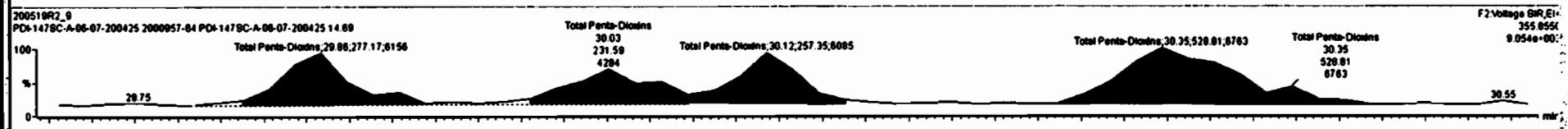
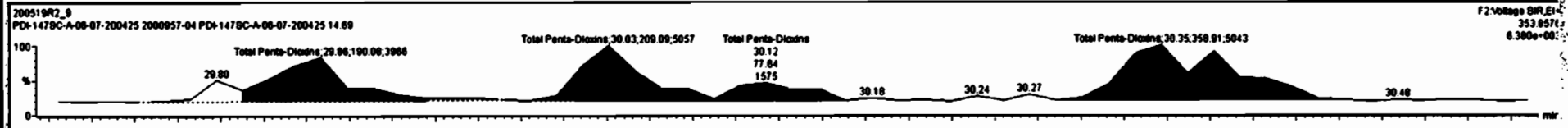


F2:Voltage SIR,EI+
367.895
1.650e+006



Name	Conc.	%	Wt/Conc	EMPC	Abn Resp	RFP	CR	P	BP	RA	YNI	WRT	Acq Date	Acq Time	** Chr Name	ID	Sample Test	Poster1	SR#	Cell#	
Total Tetra-Chloride	5.88772	0.251		6.58279		0.947			30				19-May-20	18:42:08		2000957-04	PD-1479C-A-06		0.0	10.0	ch6 1...
Total Hexa-Chloride	97.4842	1.331		104.084		0.915			41				19-May-20	18:42:08		2000957-04	PD-1479C-A-06		0.0	10.0	ch6 1...

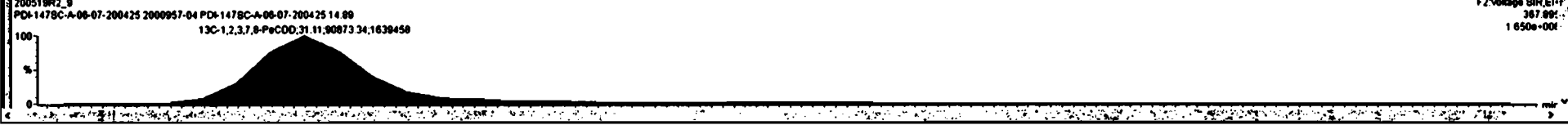
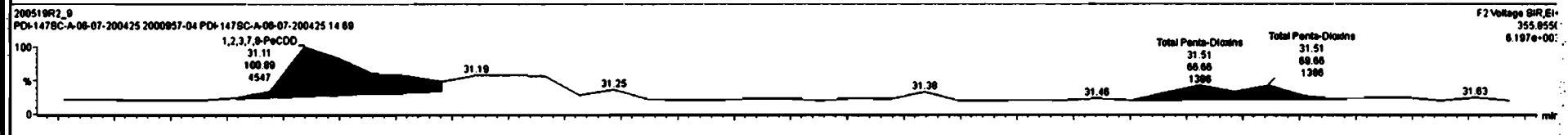
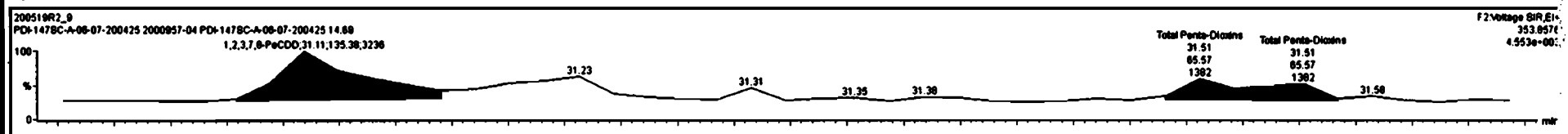
Name	RT	ml Height	mg Height	ml Resp	ml Resp	RA	dy	Resp	Conc.	EMPC
Total Penta-Chloride	29.87	7.956e3	1.213e4	5.828e2	8.743e2	0.88	NO	1.487e3	2.08	2.08
Total Penta-Chloride	29.37	4.545e3	5.888e3	2.178e2	3.748e2	0.88	NO	5.822e2	0.839	0.838
Total Penta-Chloride	29.88	3.988e3	6.198e3	1.901e2	2.772e2	0.88	NO	4.873e2	0.881	0.881
Total Penta-Chloride	30.00	5.057e3	4.284e3	2.081e2	2.318e2	0.88	YES	0.000e0	0.000	0.534
Total Penta-Chloride	30.12	1.575e3	6.088e3	7.784e1	2.574e2	0.30	YES	0.000e0	0.000	0.284
Total Penta-Chloride	30.25	5.043e3	8.783e3	3.988e2	5.288e2	0.88	NO	8.877e2	1.28	1.28





Sample	Comp.	BL	W/Asc	EMPC	Abd.Reag	RPY	RT	RT	RT	BA	VAS	RTT	Acq.Date	Acq.Time	Ch.Collector ID	Sample Test	Factor1	BA1	Cal.Pls
28	Total Tetra-Chlorine	5.89772	0.251	6.59279	0.947		30						19-May-20	19:42:08	2000957-04...	PD-1475C-A-06...	0.0	10.0	db5 1...
49	Total Hexa-Chlorine	67.4842	1.33	104.084	0.915		141						19-May-20	19:42:08	2000957-04...	PD-1475C-A-06...	0.0	10.0	db5 1...

Name	RT	ret	Height	ret	Height	ret	Height	RA	dy	Reag	Comp.	EMPC
1 Total Penta-Chlorine	28.07	7.955e3	1.213e4	5.929e2	8.743e2	0.88	NO	1.467e3	2.08	2.08		
2 Total Penta-Chlorine	29.37	4.545e3	5.888e3	2.178e2	3.748e2	0.98	NO	5.922e2	0.838	0.838		
3 Total Penta-Chlorine	29.88	3.988e3	6.158e3	1.891e2	2.772e2	0.89	NO	4.873e2	0.881	0.881		
4 Total Penta-Chlorine	30.03	5.057e3	4.294e3	2.091e2	2.318e2	0.80	YES	0.000e0	0.000	0.534		
5 Total Penta-Chlorine	30.12	1.575e3	6.065e3	7.784e1	2.574e2	0.30	YES	0.000e0	0.000	0.284		
6 Total Penta-Chlorine	30.35	5.843e3	6.763e3	3.588e2	5.289e2	0.88	NO	6.877e2	1.28	1.28		
7 1,2,3,7,8-PeCDD	31.11	3.238e3	4.547e3	1.354e2	1.888e2	0.72	NO	3.243e2	0.458	0.458		
8 Total Penta-Chlorine	31.51	1.382e3	1.388e3	6.557e1	6.888e1	0.96	YES	0.000e0	0.000	0.159		



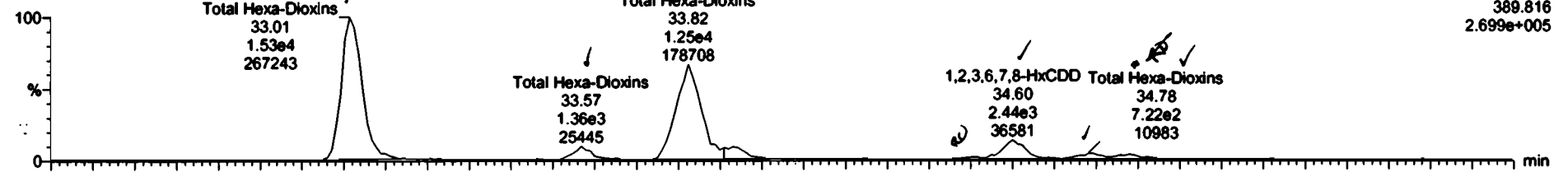
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Last Altered: Wednesday, May 20, 2020 08:24:27 Pacific Daylight Time
Printed: Wednesday, May 20, 2020 08:24:37 Pacific Daylight Time

Name: 200519R2_9, Date: 19-May-2020, Time: 19:42:09, ID: 2000957-04 PDI-147SC-A-06-07-200425 14.69, Description: PDI-147SC-A-06-07-200425

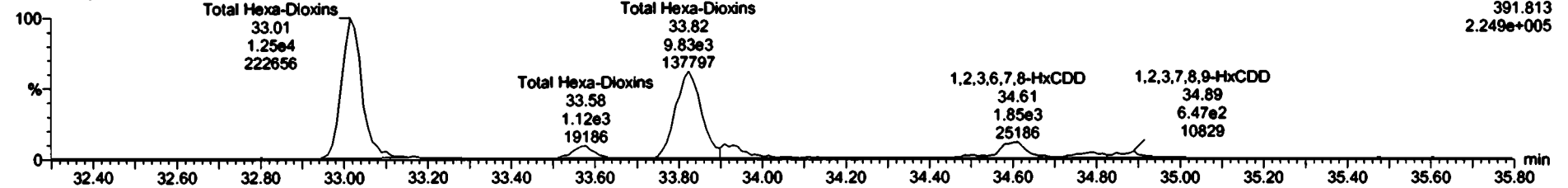
1,2,3,4,7,8-HxCDD

200519R2_9



F3:Voltage SIR, EI+
389.816
2.699e+005

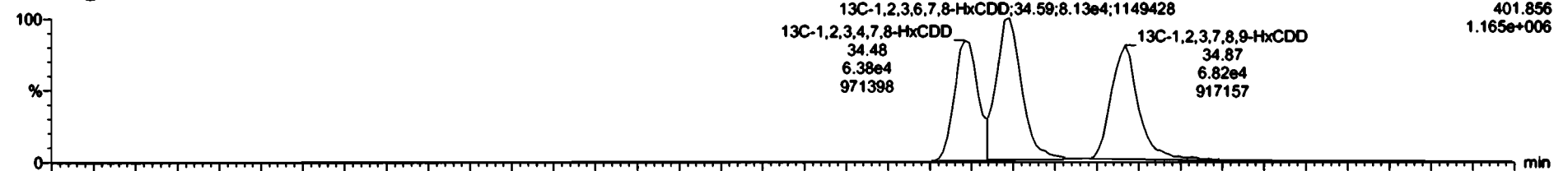
200519R2_9



F3:Voltage SIR, EI+
391.813
2.249e+005

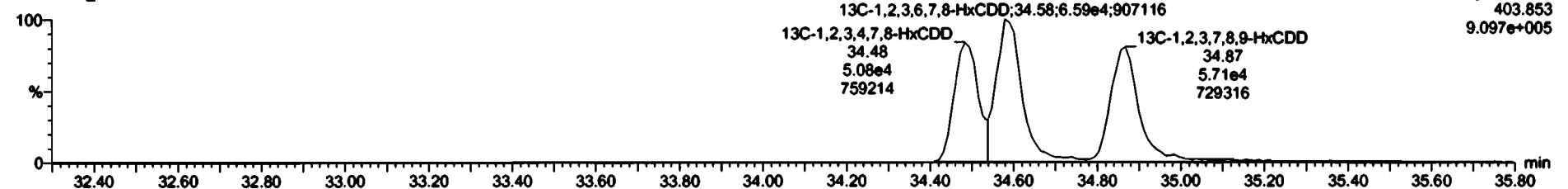
13C-1,2,3,4,7,8-HxCDD

200519R2_9



F3:Voltage SIR, EI+
401.856
1.165e+006

200519R2_9

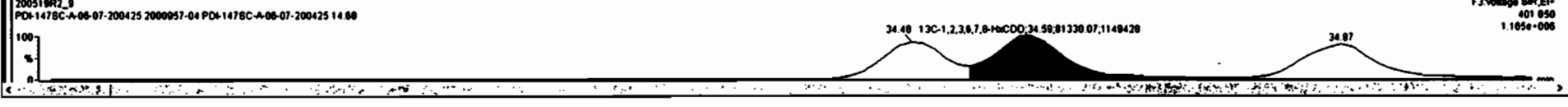
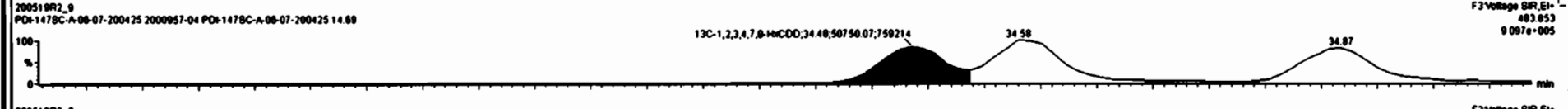
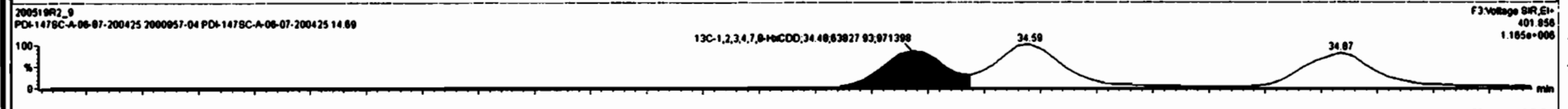
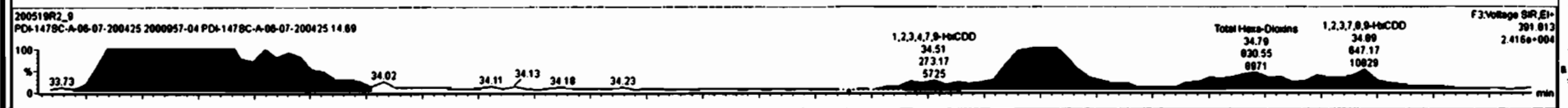


F3:Voltage SIR, EI+
403.853
9.097e+005



ID	Name	Conc.	DL	W/Ret	BPFC	Abs.Ret	RP	RT	F	BP	RA	VM	RTT	Acq.Date	Acq.Time	* Chr/Intr	D	Sample Num	Factor	SN	Cell/In
39	Total Hexa-Chloro	5.89772	0.251		6.92779		0.947		30					19-May-20	19:42:08		2000957-04...	PD-1475C-A-06	0.0	10.0	db5, 1...
40	Total Penta-Chloro	5.26884	0.217		6.26883		0.942		40					19-May-20	19:42:08		2000957-04...	PD-1475C-A-06	0.0	10.0	db5, 1...

ID	Name	RT	rel Height	rel Height	rel Resp	rel Resp	RA	adj	Resp	Conc.	BPFC
1	Total Hexa-Chloro	33.01	2.872e5	2.227e5	1.532e4	1.247e4	1.23	NO	2.779e4	47.0	47.0
2	Total Hexa-Chloro	33.87	2.545e4	1.919e4	1.367e3	1.120e3	1.21	NO	2.477e3	4.19	4.19
3	Total Hexa-Chloro	33.82	1.788e5	1.384e5	1.388e4	1.133e4	1.22	NO	2.519e4	42.8	42.8
4	1,2,3,4,7,8-HxCDD	34.62	4.883e3	5.725e3	2.503e2	2.732e2	0.82	YES	5.235e2	0.800	0.740
5	1,2,3,7,8-HxCDD	34.60	3.859e4	2.519e4	2.440e3	1.853e3	1.32	NO	4.283e3	6.38	6.38
6	Total Hexa-Chloro	34.78	1.114e4	8.871e3	6.804e2	6.308e2	1.10	NO	1.324e3	2.24	2.24
7	1,2,3,7,8-HxCDD	34.88	9.705e3	1.083e4	6.885e2	6.472e2	1.07	NO	1.337e3	2.33	2.33



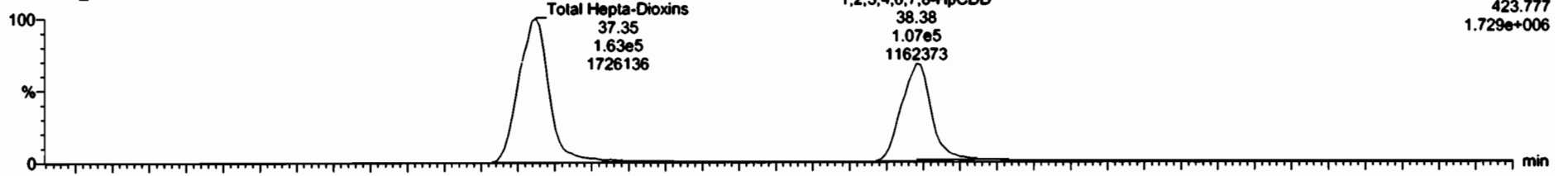
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Printed: Wednesday, May 20, 2020 08:24:37 Pacific Daylight Time

Name: 200519R2_9, Date: 19-May-2020, Time: 19:42:09, ID: 2000957-04 PDI-147SC-A-06-07-200425 14.69, Description: PDI-147SC-A-06-07-200425

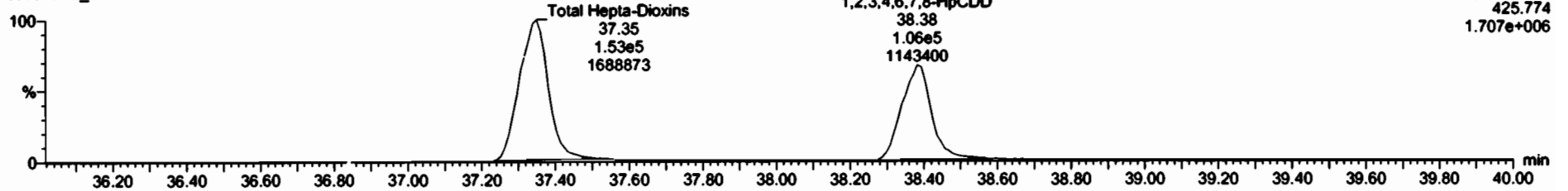
1,2,3,4,6,7,8-HpCDD

200519R2_9



F4:Voltage SIR,EI+
423.777
1.729e+006

200519R2_9



F4:Voltage SIR,EI+
425.774
1.707e+006

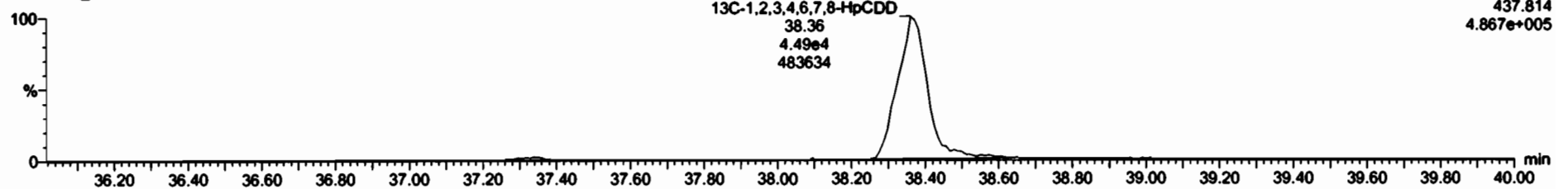
13C-1,2,3,4,6,7,8-HpCDD

200519R2_9



F4:Voltage SIR,EI+
435.817
5.199e+005

200519R2_9



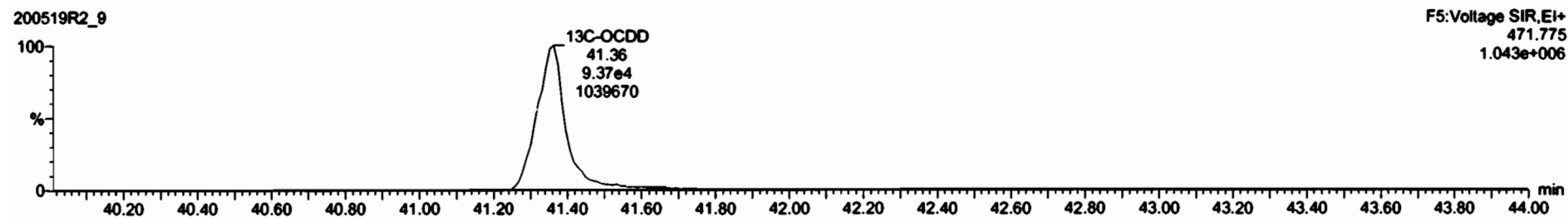
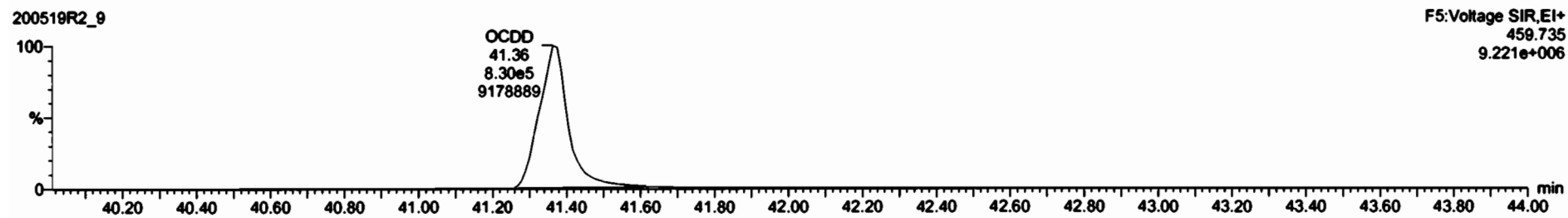
F4:Voltage SIR,EI+
437.814
4.867e+005

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Printed: Wednesday, May 20, 2020 08:24:37 Pacific Daylight Time

Name: 200519R2_9, Date: 19-May-2020, Time: 19:42:09, ID: 2000957-04 PDI-147SC-A-06-07-200425 14.69, Description: PDI-147SC-A-06-07-200425

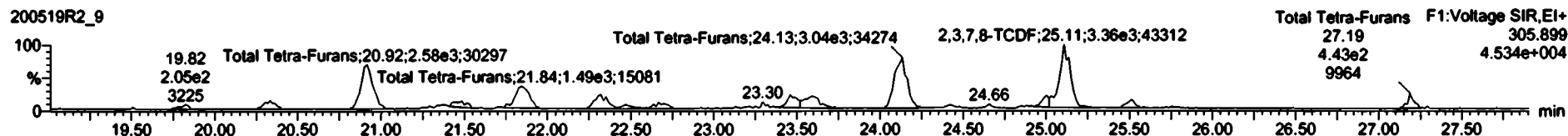
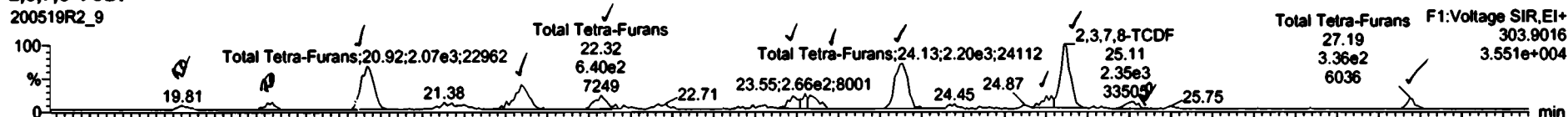


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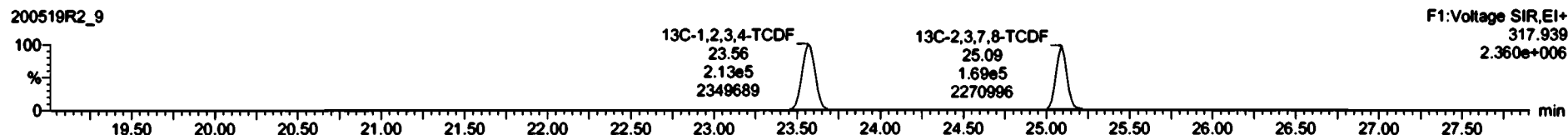
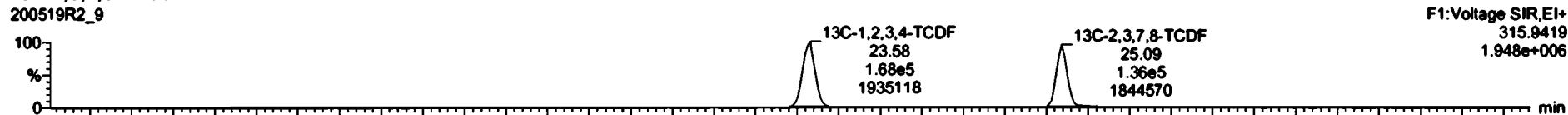
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Printed: Wednesday, May 20, 2020 08:24:37 Pacific Daylight Time

Name: 200519R2_9, Date: 19-May-2020, Time: 19:42:09, ID: 2000957-04 PDI-147SC-A-06-07-200425 14.69, Description: PDI-147SC-A-06-07-200425

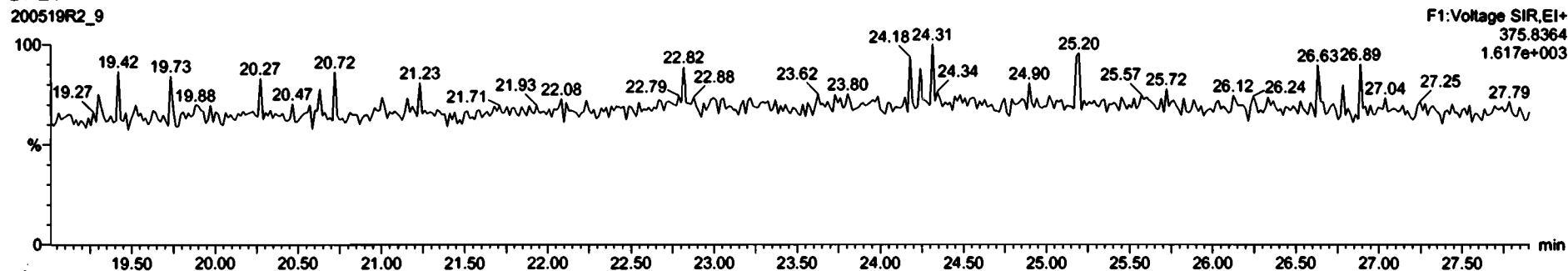
2,3,7,8-TCDF



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



DPE1



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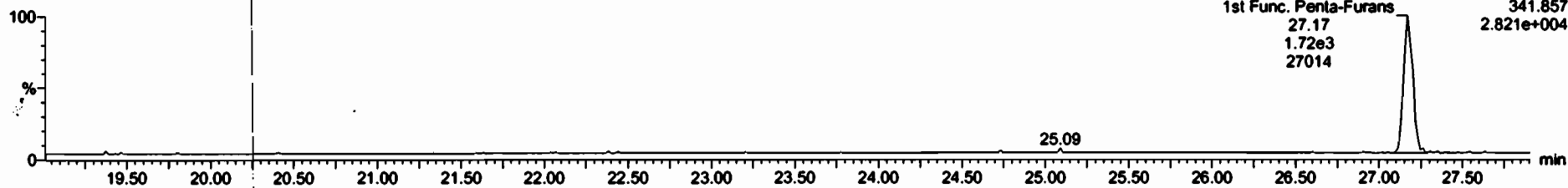
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1st Func. Penta-Furans

200519R2_9

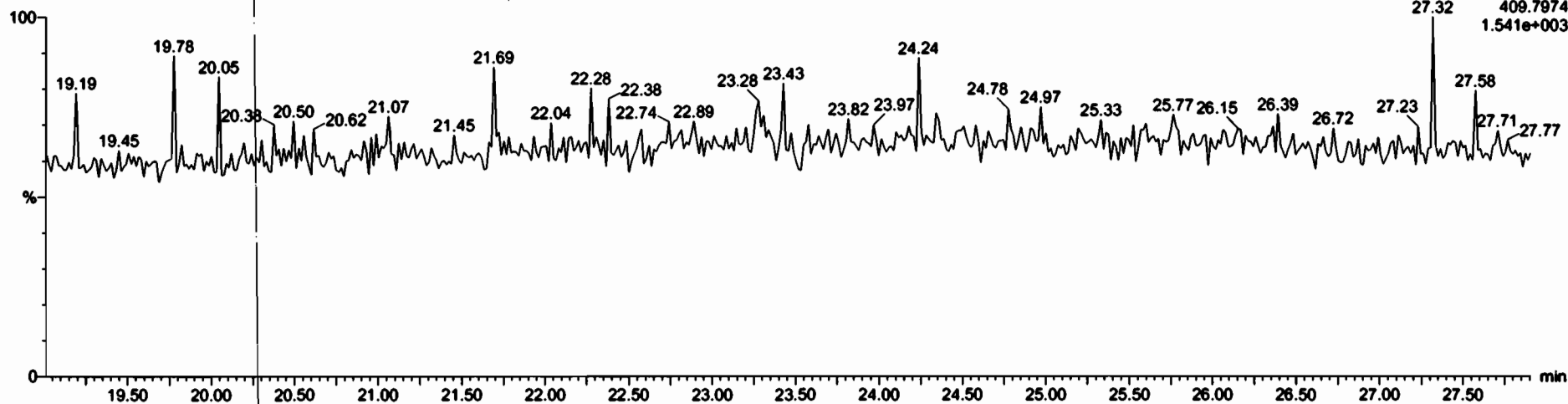


200519R2_9



DPE6

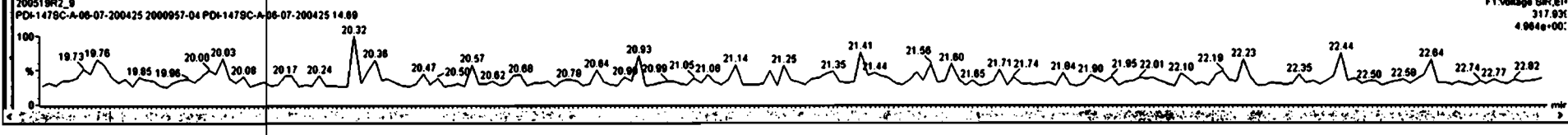
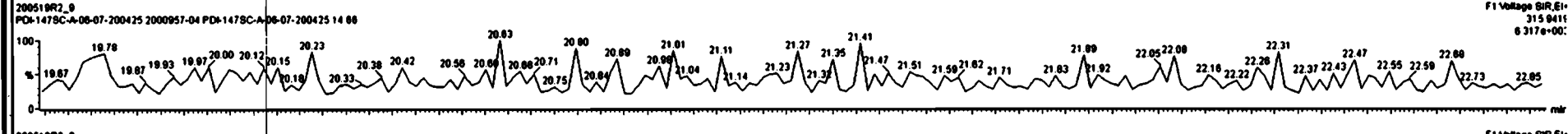
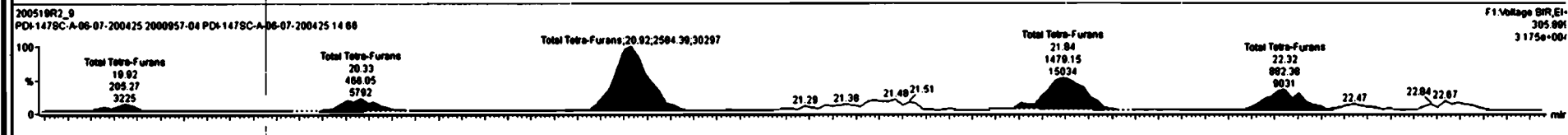
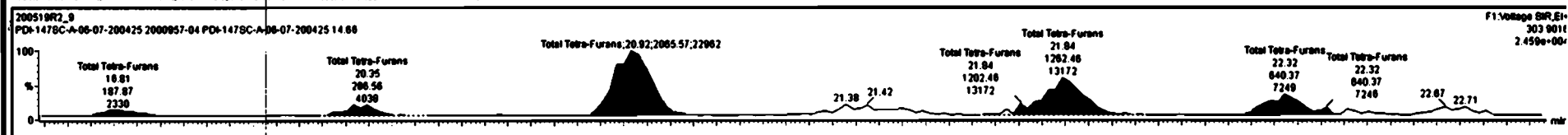
200519R2_9



File Edit View Display Processing Window Help

SI	Name	Conc.	OL	TRF	SNPC	Abs Resp	RF	RT	RF	RA	Y/N	RRT	Acq.Date	Acq.Time	1 st Ch/Inj	ID	Sample Test	Factor1	SPC OutFile	
42	Total Halo-Chlorine	1273.17	3.82		1273.17		0.888	42					19-May-20	18:42:08		2000857-04...	PDI-147SC-A-06...	0.0	10.0	db5_1...
44	Total Func. Penta-Furans	4.07985	0.0482		4.07985		0.910	44					19-May-20	18:42:08		2000857-04...	PDI-147SC-A-06...	0.0	10.0	db5_1...

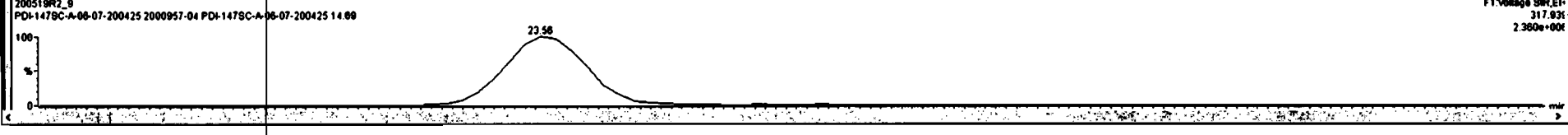
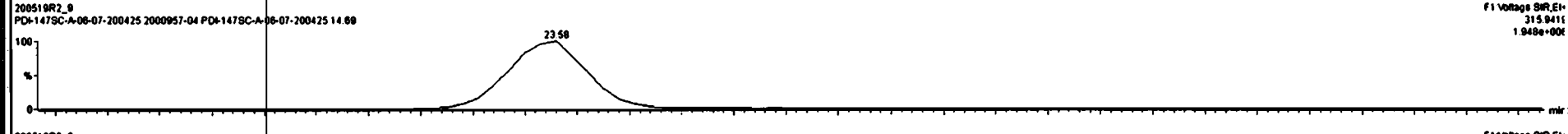
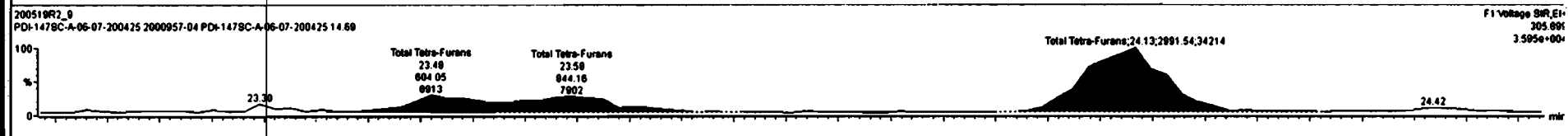
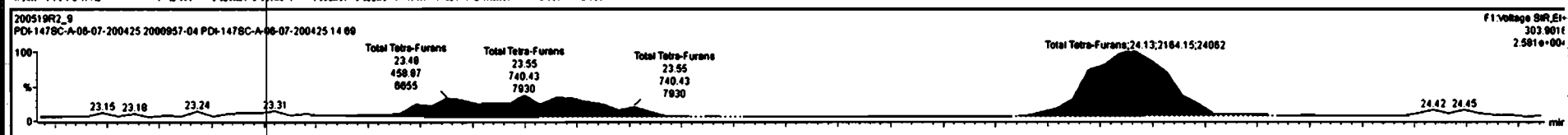
SI	Name	RT	mS Height	mS Width	mS Resp	mS Resp	RA	RF	Resp	Conc.	SNPC
1	Total Tetra-Furans	19.81	2.330e3	3.225e3	1.879e2	2.853e2	0.82	YES	0.000e0	0.000	0.302
2	Total Tetra-Furans	20.35	4.038e3	5.792e3	2.889e2	4.889e2	0.81	YES	0.000e0	0.000	0.547
3	Total Tetra-Furans	20.82	2.288e4	3.030e4	2.088e3	2.584e3	0.80	NO	4.855e3	3.88	3.88
4	Total Tetra-Furans	21.84	1.317e4	1.532e4	1.282e3	1.478e3	0.85	NO	2.742e3	2.28	2.28
5	Total Tetra-Furans	22.32	7.248e3	8.831e3	6.404e2	8.824e2	0.73	NO	1.522e3	1.28	1.28
6	Total Tetra-Furans	23.48	8.856e3	8.833e3	4.589e2	6.940e2	0.76	NO	1.081e3	0.891	0.891
7	Total Tetra-Furans	23.58	7.110e3	8.034e3	5.288e2	8.836e2	0.58	YES	0.000e0	0.000	1.01
8	Total Tetra-Furans	24.13	2.411e4	3.427e4	2.201e3	3.041e3	0.72	NO	5.242e3	4.35	4.35
9	Total Tetra-Furans	25.03	6.388e3	8.831e3	4.382e2	3.583e2	1.22	YES	0.000e0	0.000	0.526





#	Name	Comp.	DL	SL/No	SNPC	Abs Resp	FWF	RT	P	SBF	RA	VM	NRT	Acq.Date	Acq.Time	1* Chr/Note	ID	Sample Test	Factor1	SN	Col/Phi
42	Total Haplo-Clostr	1273.17	3.82		1273.17		0.898	42						19-May-20	10:42:00		2000957-04	PDI-1475C-A-06	0.0	10.0	dbS_1
44	1st Func. Penta-Furane	4.07995	0.0492		4.07995		0.910	144						19-May-20	10:42:00		2000957-04	PDI-1475C-A-06	0.0	10.0	dbS_1

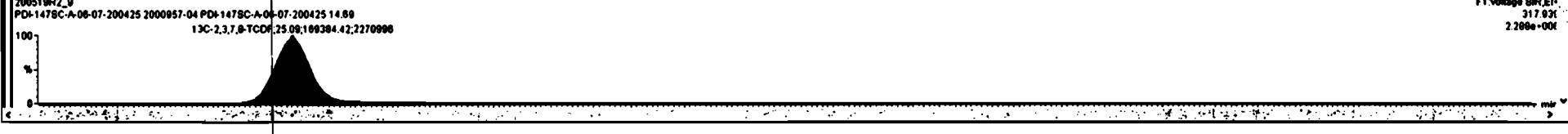
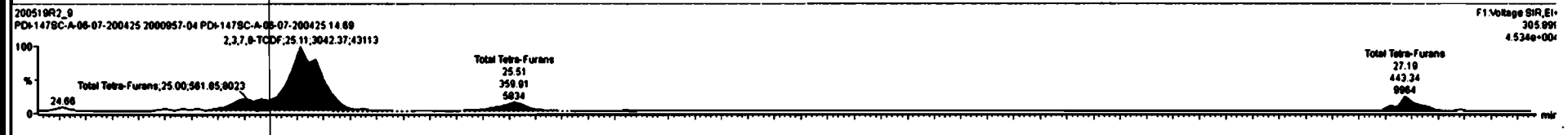
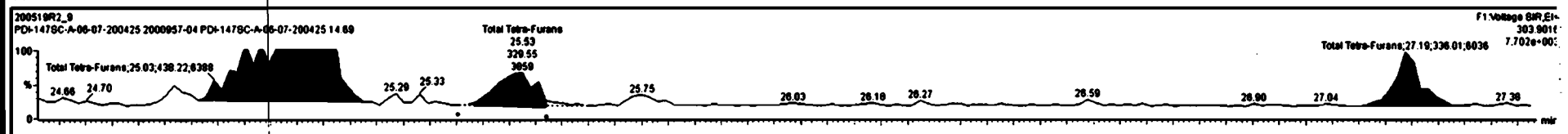
#	Name	RT	ret Height	ret Width	ret Resp	ret Resp	RA	adj	Resp	Comp.	SNPC
1	Total Tetra-Furane	19.91	2.230e3	3.272e3	1.879e2	2.053e2	0.92	YES	0.000e0	0.000	0.202
2	Total Tetra-Furane	20.36	4.038e3	5.772e3	2.889e2	4.899e2	0.81	YES	0.000e0	0.000	0.547
3	Total Tetra-Furane	20.92	2.289e4	3.030e4	2.086e3	2.584e3	0.80	NO	4.650e3	3.86	3.86
6	Total Tetra-Furane	21.94	1.317e4	1.593e4	1.282e3	1.479e3	0.85	NO	2.742e3	2.28	2.28
6	Total Tetra-Furane	22.32	7.249e3	9.631e3	6.404e2	8.824e2	0.73	NO	1.523e3	1.26	1.26
8	Total Tetra-Furane	23.48	8.855e3	8.93e3	4.589e2	6.040e2	0.76	NO	1.081e3	0.891	0.891
7	Total Tetra-Furane	23.55	7.830e3	7.892e3	7.404e2	8.442e2	0.88	NO	1.595e3	1.32	1.32
9	Total Tetra-Furane	24.13	2.409e4	3.431e4	2.184e3	2.982e3	0.72	NO	5.159e3	4.28	4.28
9	Total Tetra-Furane	25.83	8.389e3	8.011e3	4.392e2	3.583e2	1.22	YES	0.000e0	0.000	0.520



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#	Name	Conc.	UL	UR/Sec	BP/PC	Abs/Resp	PPV	RT	Q	RF	RA	VR	RRT	Acq.Date	Acq.Time	1* Chr/Plate ID	Sample Test	Factor1	SWS	Col/Pls
42	Total Hapto-Clonine	1273.17	3.82		1273.17		0.888		42					19-May-20	18:42:00	2000957-04	PD-147SC-A-06	0.0	10.0	db5_1...
44	1st Func. Para-Furans	4.07985	0.0482		4.07985		0.910		44					19-May-20	18:42:00	2000957-04	PD-147SC-A-06	0.01	10.0	db5_1...

#	Name	RT	ret Height	ret Width	ret Resp	ret Resp	RA	adj	Resp	Conc.	BP/PC
4	Total Tetra-Furans	21.84	1.317e4	1.533e4	1.262e3	1.478e3	0.85	NO	2.742e3	2.28	2.28
6	Total Tetra-Furans	22.32	7.248e3	8.671e3	6.404e2	8.824e2	0.73	NO	1.523e3	1.28	1.28
8	Total Tetra-Furans	23.48	6.855e3	8.913e3	4.588e2	6.040e2	0.76	NO	1.081e3	0.891	0.891
7	Total Tetra-Furans	23.56	7.830e3	7.826e3	7.404e2	8.442e2	0.88	NO	1.685e3	1.32	1.32
8	Total Tetra-Furans	24.13	2.408e4	3.451e4	2.184e3	2.982e3	0.72	NO	5.158e3	4.28	4.28
8	Total Tetra-Furans	25.02	6.388e3	8.023e3	4.382e2	5.918e2	0.78	NO	1.000e3	0.830	0.830
10	2,3,7,8-TCDF	25.11	3.351e4	4.371e4	2.348e3	3.042e3	0.77	NO	6.381e3	4.47	4.47
11	Total Tetra-Furans	25.33	3.898e3	5.654e3	3.288e2	3.988e2	0.82	YES	0.000e0	0.000	0.528
12	Total Tetra-Furans	27.18	6.038e3	9.064e3	3.388e2	4.433e2	0.76	NO	7.794e2	0.847	0.847



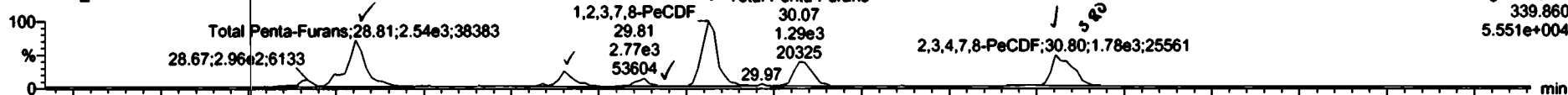
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Printed: Wednesday, May 20, 2020 08:24:37 Pacific Daylight Time

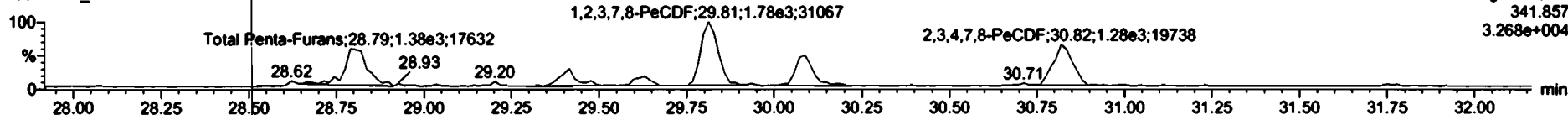
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1,2,3,7,8-PeCDF

200519R2_9

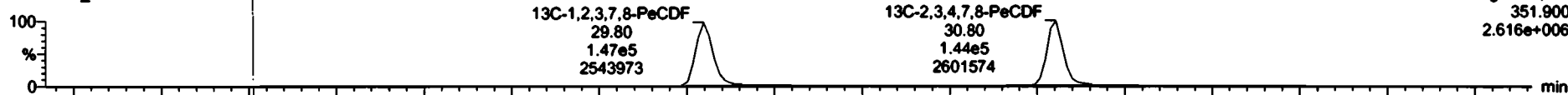


200519R2_9

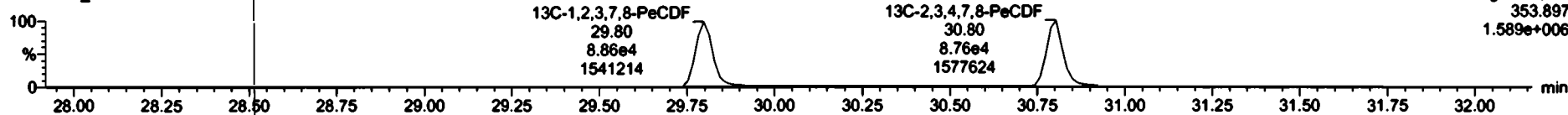


13C-1,2,3,7,8-PeCDF

200519R2_9

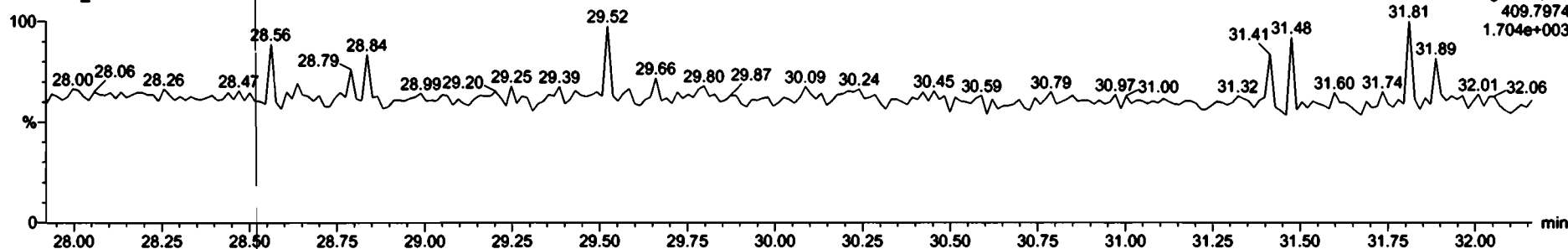


200519R2_9



DPE2

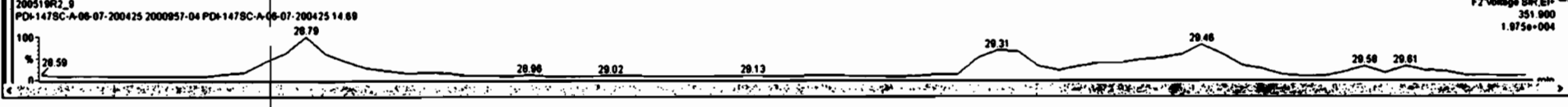
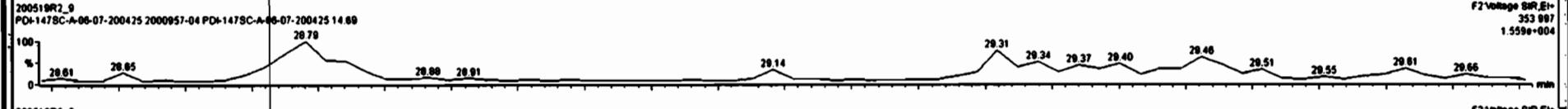
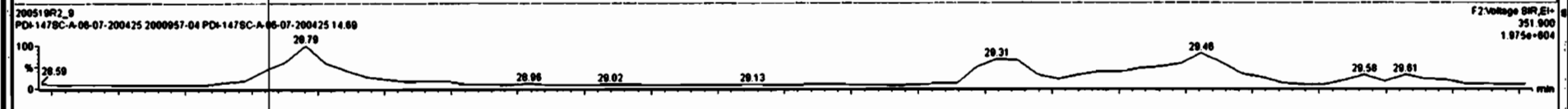
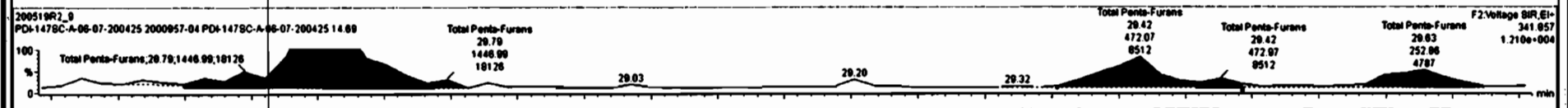
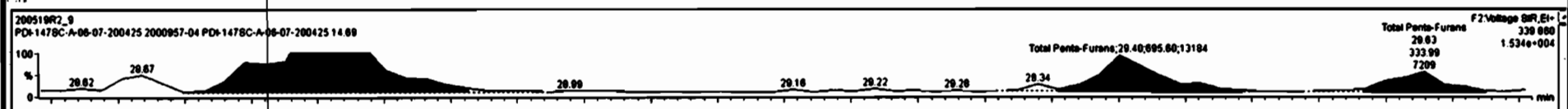
200519R2_9





Name	Conc.	DL	Wt%	StdPC	Alt. Resp.	RPV	RT	Q	SR	SA	VMI	RRV	Acq.Date	Acq.Time	1° Chr./Meth	Sample Test	Factor1	SN1	Col/Pls
46	Total Histo-Furans	29.03x3	0.324	31.3472		0.822	46						19-May-20	19:42:08	2000857-04	PD-147SC-A-06	0.0	10.0	db5.1...
47	Total Histo-Furans	126.486	0.828	126.486		0.871	47						19-May-20	19:42:08	2000857-04	PD-147SC-A-06	0.0	10.0	db5.1...

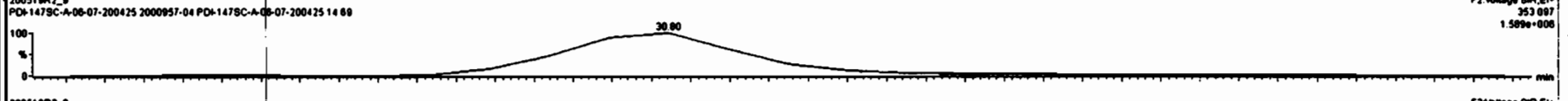
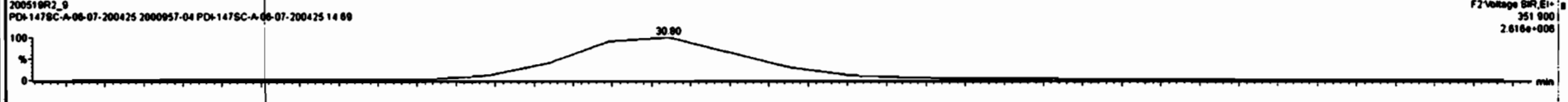
Name	RT	ml	Height	ml	Height	ml	Height	Area	dy	Range	Conc.	StdPC
1	Total Penta-Furans	28.81	3.834e4	1.812e4	2.488e3	1.447e3	1.72	NO	3.843e3	3.70	3.70	
2	Total Penta-Furans	29.40	1.318e4	8.592e3	6.888e2	4.721e2	1.47	NO	1.188e3	1.10	1.10	
3	Total Penta-Furans	29.83	7.208e3	4.787e3	3.340e2	2.528e2	1.32	NO	6.888e2	0.561	0.561	
4	1,2,3,7 β-PeCDF	29.81	5.280e4	3.187e4	2.788e3	1.778e3	1.58	NO	4.544e3	4.23	4.23	
5	Total Penta-Furans	30.07	2.033e4	1.498e4	1.283e3	8.888e2	1.48	NO	2.178e3	2.06	2.06	
6	2,3,4,7 β-PeCDF	30.80	2.588e4	1.874e4	1.777e3	1.280e3	1.39	NO	3.888e3	2.73	2.73	





Peak	Name	Area	Height	W	Area%	Height%	RT	RT Dev	ISD	RA	Y/N	RT	Acq Date	Acq Time	Integr	Sample Text	Peak#	SPC	Col/Fib
46	Total Penta-Furans	26.0343	0.324		31.3472	0.922	46						19-May-20	19:42:08		2000957-04... PD-147SC-A-06	0.0	10.0	db5_1...
47	Total Hexa-Furans	126.488	0.920		126.488	0.871	47						19-May-20	19:42:08		2000957-04... PD-147SC-A-06	0.0	10.0	db5_1...

Peak	Name	RT	Alt Height	Alt Area	Alt Resp	Alt Resp	RA	dy	Resp	Comp	ISD
1	Total Penta-Furans	26.81	3.834e1	1.893e1	2.488e3	1.447e3	1.72	NO	3.843e3	3.70	3.70
2	Total Penta-Furans	26.40	1.318e1	8.52e3	8.858e2	4.721e2	1.47	NO	1.188e3	1.10	1.10
3	Total Penta-Furans	26.83	7.208e3	4.757e3	3.340e3	2.529e2	1.32	NO	5.888e2	0.561	0.561
4	1,2,3,7,8-PeCDF	26.81	5.388e1	3.197e4	2.788e3	1.778e3	1.58	NO	4.644e3	4.23	4.23
5	Total Penta-Furans	30.07	2.833e1	1.488e4	1.283e3	8.858e2	1.46	NO	2.178e3	2.05	2.05
6	2,3,4,7,8-PeCDF	30.80	2.584e1	1.988e4	1.588e3	1.177e3	1.35	NO	2.785e3	2.47	2.47
7	Total Penta-Furans	30.07	1.384e1	7.47e3	2.118e2	9.630e1	2.20	YES	0.000e0	0.000	0.221



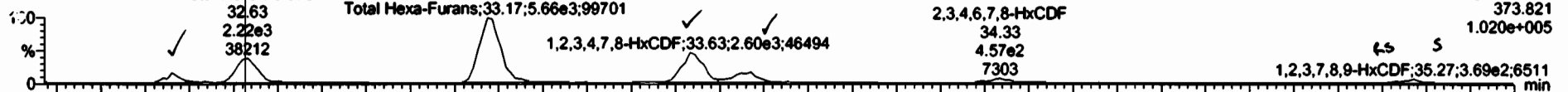
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Printed: Wednesday, May 20, 2020 08:24:37 Pacific Daylight Time

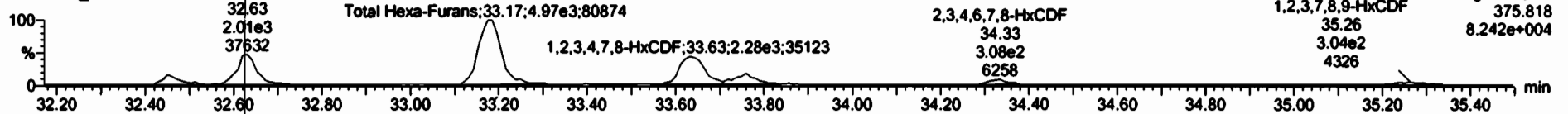
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1,2,3,4,7,8-HxCDF

200519R2_9

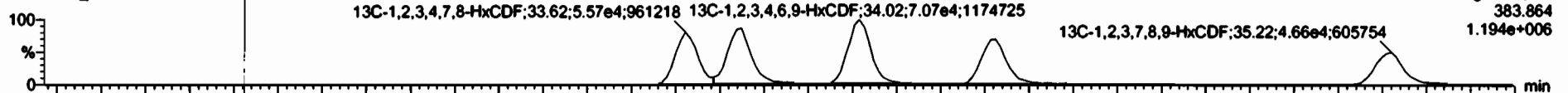


200519R2_9

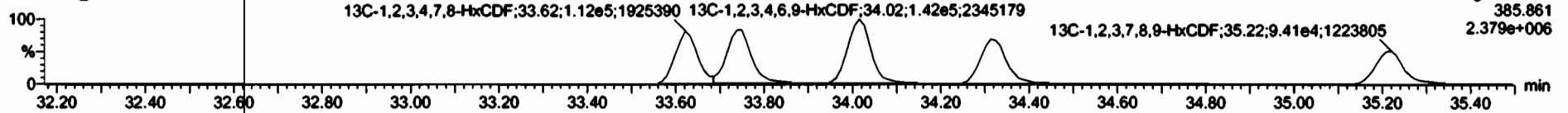


13C-1,2,3,4,7,8-HxCDF

200519R2_9

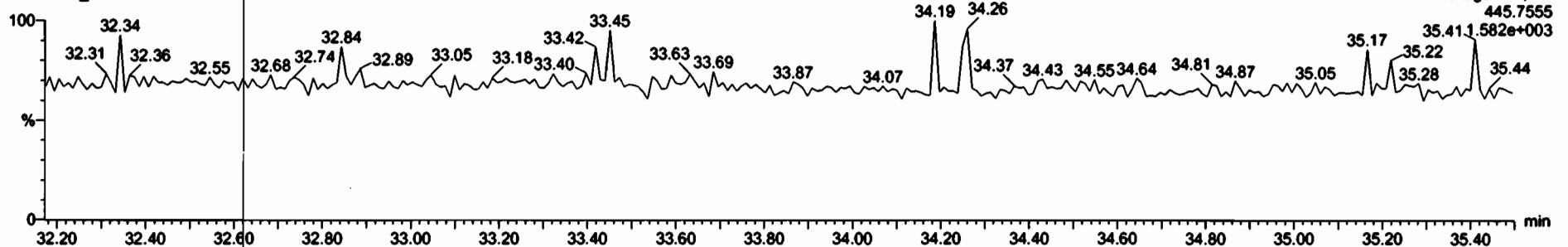


200519R2_9



DPE3

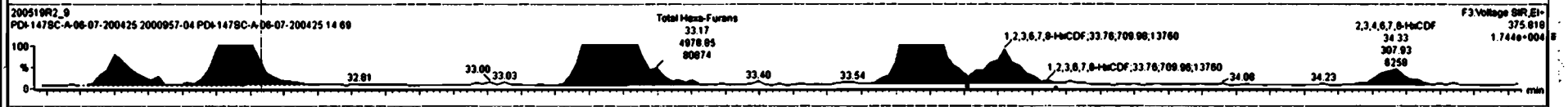
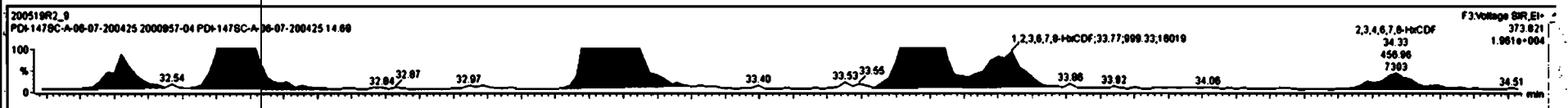
200519R2_9



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Sample	Comp.	Conc.	U/L	16/Sec	EMPC	Abn Resp.	REP	RT	Q	RA	VAN	REP	Acq Date	Acq Time	1st Chr Method	Sample Test	Factor1	SMS	Col File
46	Total Penta-Furans	14.0000	0.212		14.3285	0.010		45					19-May-20	18:42:00	2000957-04...	PDI-1475C-A-06...	0.0	10.0	chr5_1...
47	Total Hexa-Furans	126.4000	0.820		126.4000	0.071		147					19-May-20	18:42:00	2000957-04...	PDI-1475C-A-06...	0.0	10.0	chr5_1...

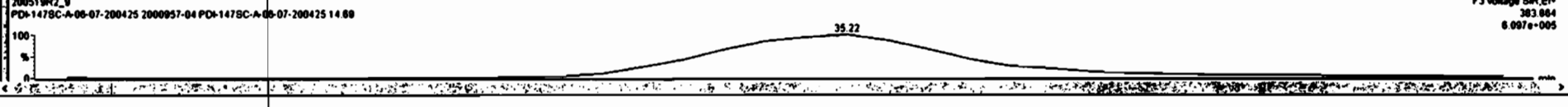
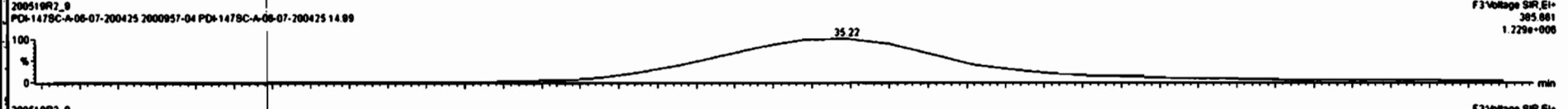
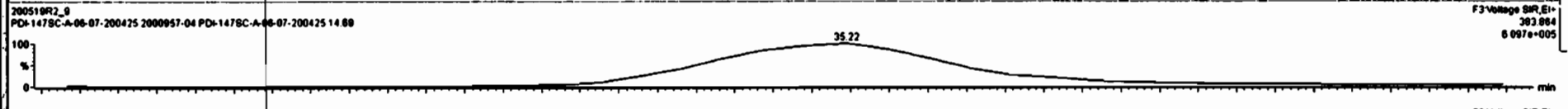
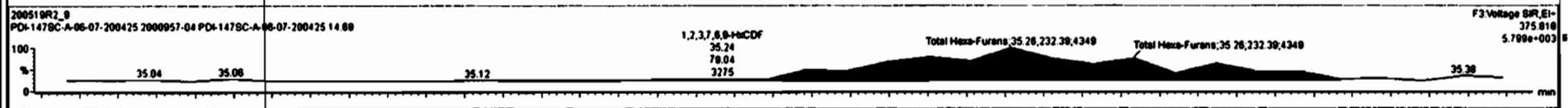
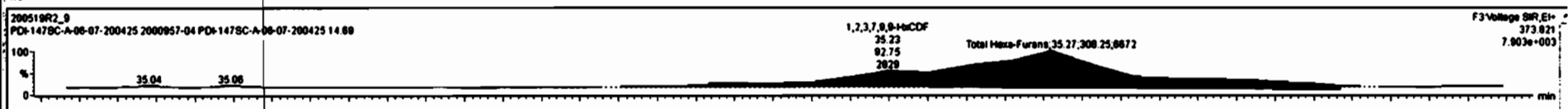
Sample	RT	1st Peak	2nd Peak	3rd Peak	4th Peak	RA	adj	Resp	Conc.	EMPC	
1	32.46	1.381e4	1.235e4	5.898e2	5.830e2	1.05	NO	1.103e3	1.51	1.51	
2	32.63	3.821e4	3.799e4	2.219e3	2.021e3	1.10	NO	4.240e3	5.50	5.50	
3	33.17	9.970e4	8.037e4	5.864e3	4.871e3	1.14	NO	1.054e4	13.8	13.8	
4	1,2,3,4,7,8-HxCDF	33.83	4.840e4	3.512e4	2.804e3	2.270e3	1.14	NO	4.882e3	6.82	6.82
5	1,2,3,6,7,8-HxCDF	33.77	1.802e4	1.378e4	8.863e2	7.100e2	1.41	NO	1.708e3	2.01	2.01
6	2,3,4,6,7,8-HxCDF	34.20	7.303e3	6.289e3	4.570e2	3.070e2	1.48	YES	7.840e2	0.000	0.907
7	1,2,3,7,8-HxCDF	35.27	6.511e3	4.306e3	3.891e2	3.030e2	1.21	NO	6.728e2	1.10	1.10





#	Name	Comp.	CL	%Acc	BPFC	Alts Resp	RFV	RF	RF	RA	VM	RFV	Acq Date	Acq Time	1* Or Pulse ID	Sample File	Posteri	S/N	Col/Phi	
46	Total Hexa-Furans	11.8325	0.212		11.8515		0.910		46				19-May-20	18:42:00		2000957-04	PD-147SC-A-06	0.0	10.0	ch5_1
47	Total Hexa-Furans	126.480	0.626		126.480		0.671		47				19-May-20	18:42:00		2000957-04	PD-147SC-A-06	0.0	10.0	ch5_1

#	Name	RT	Std Height	Std Width	Std Resp	Std Resp	RA	RFV	Resp	Comp.	BPFC
1	Total Hexa-Furans	32.46	1.591e1	1.245e1	5.399e2	5.830e2	1.05	NO	1.183e3	1.51	1.51
2	Total Hexa-Furans	32.83	3.821e1	3.798e1	2.219e3	2.021e3	1.10	NO	4.240e3	5.50	5.50
3	Total Hexa-Furans	33.17	9.970e1	6.097e1	5.894e3	4.971e3	1.14	NO	1.084e4	13.8	13.8
4	1,2,3,4,7,8-HxCDF	33.83	4.848e1	3.612e1	2.804e3	2.270e3	1.14	NO	4.882e3	6.82	6.82
5	1,2,3,6,7,8-HxCDF	33.77	1.802e1	1.376e1	9.983e2	7.100e2	1.41	NO	1.709e3	2.01	2.01
6	2,3,4,6,7,8-HxCDF	34.33	7.303e3	6.290e3	4.570e2	3.079e2	1.48	YES	7.848e2	0.000	0.807
7	1,2,3,7,8-HxCDF	35.23	2.828e3	3.275e3	8.275e1	7.804e1	1.08	NO	1.809e2	0.284	0.284
8	Total Hexa-Furans	35.27	6.872e3	4.398e3	3.083e2	2.324e2	1.33	NO	0.000e0	0.000	0.702



Dataset: Untitled

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Printed: Wednesday, May 20, 2020 08:24:37 Pacific Daylight Time

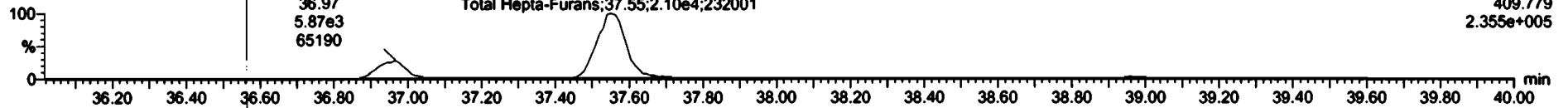
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1,2,3,4,6,7,8-HpCDF

200519R2_9

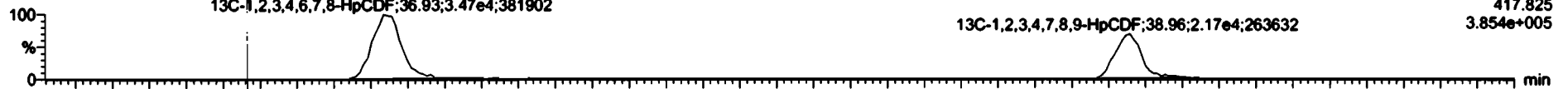


200519R2_9

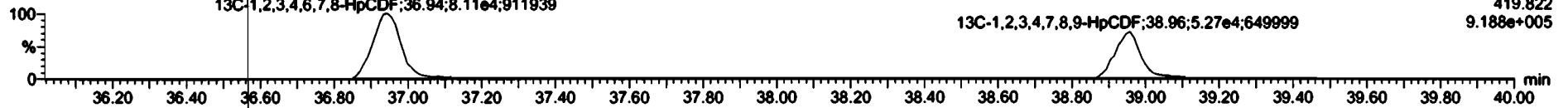


13C-1,2,3,4,6,7,8-HpCDF

200519R2_9

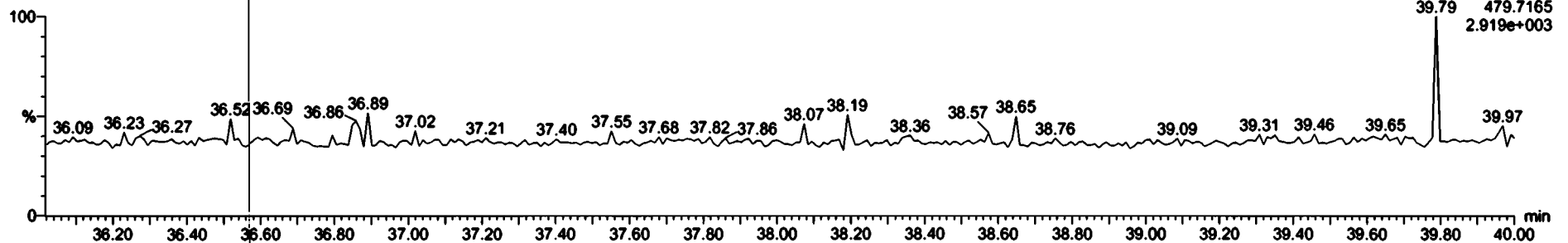


200519R2_9



DPE4

200519R2_9

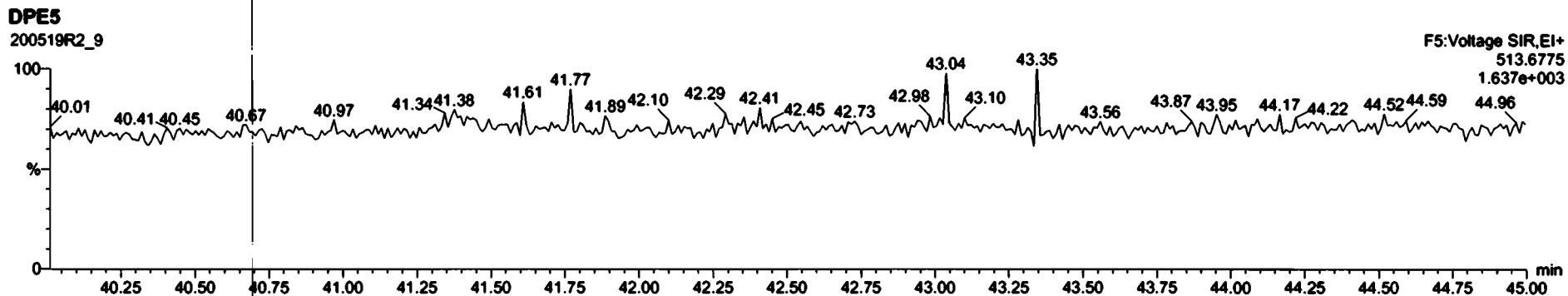
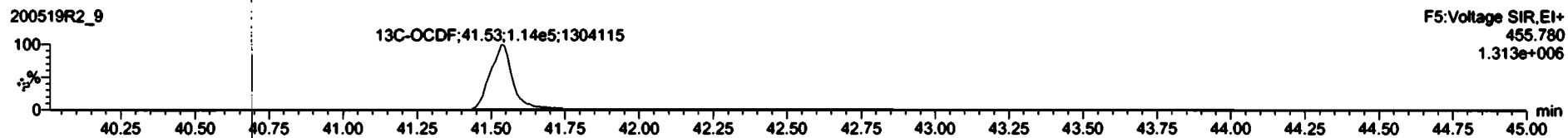
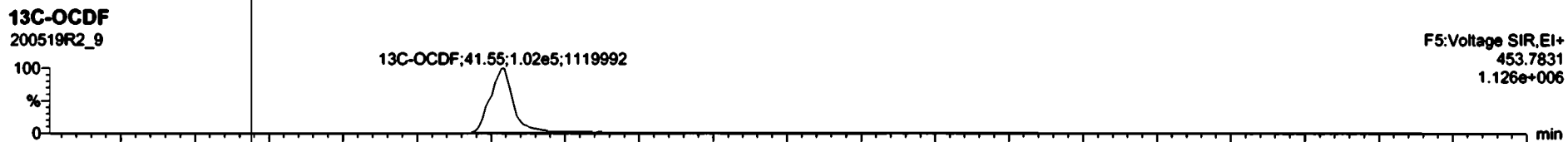
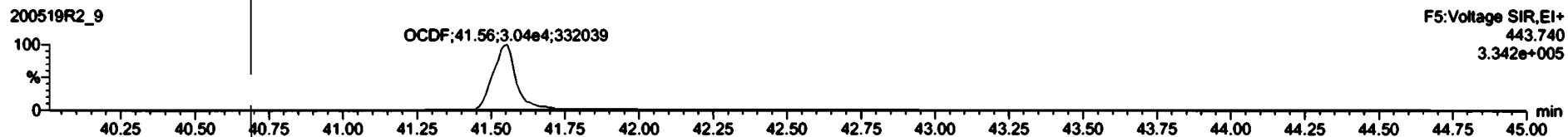
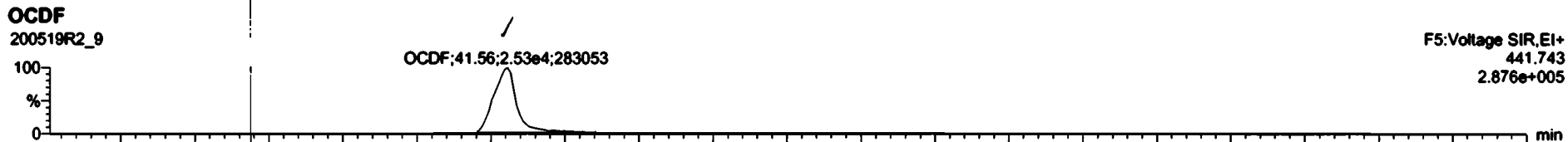


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Printed: Wednesday, May 20, 2020 08:24:37 Pacific Daylight Time

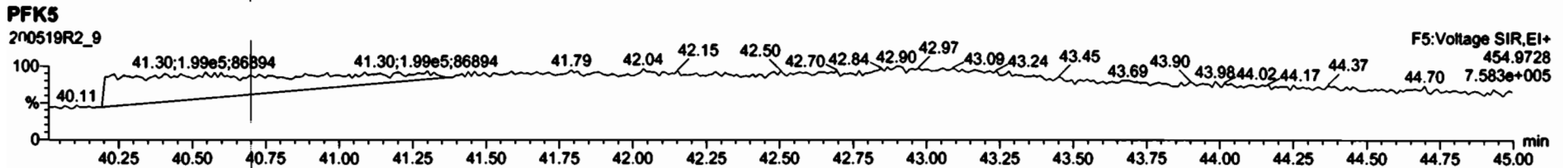
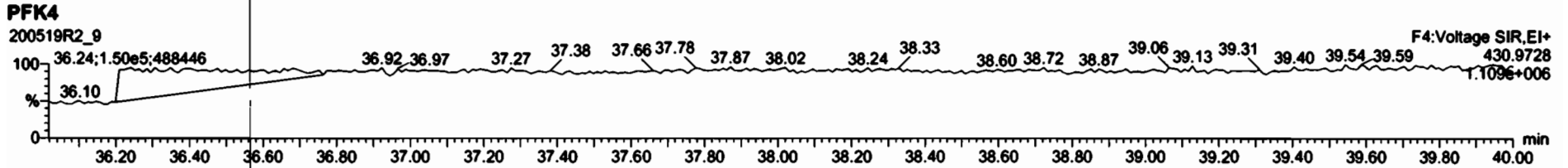
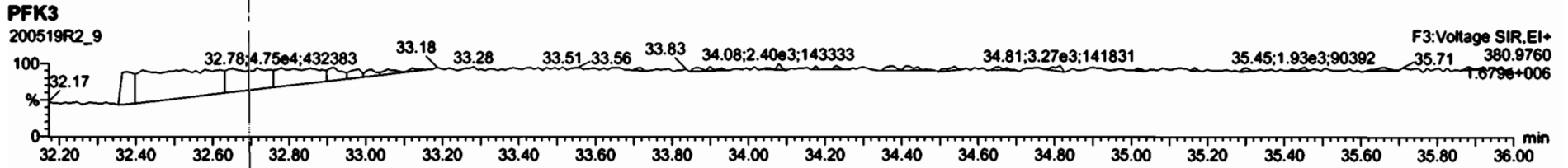
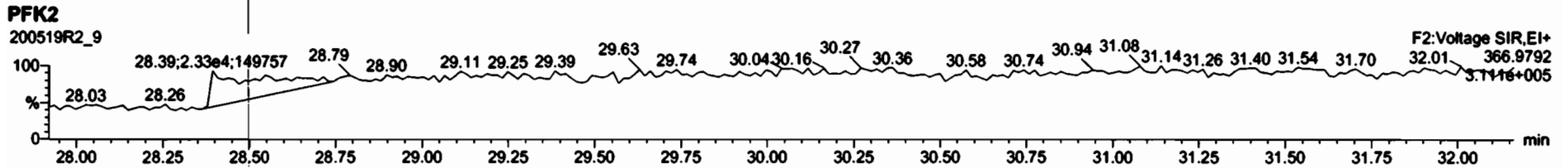
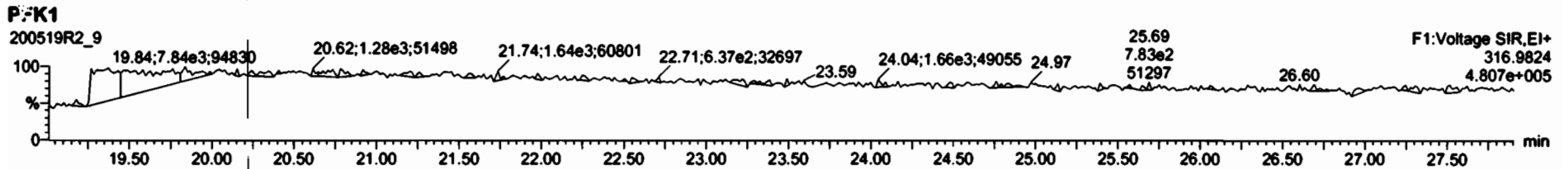
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Name: 200519R2_9, Date: 19-May-2020, Time: 19:42:09, ID: 2000957-04 PDI-147SC-A-06-07-200425 14.69, Description: PDI-147SC-A-06-07-200425



Dataset: U:\VG12.PRO\Results\200519R2\200519R2-10.qld

Last Altered: Thursday, May 21, 2020 11:27:26 Pacific Daylight Time

Printed: Thursday, May 21, 2020 11:28:45 Pacific Daylight Time

2 05/21/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

67 05/21/2020

Name: 200519R2_10, Date: 19-May-2020, Time: 20:28:21, ID: 2000957-05 PDI-147SC-A-07-08-200425 16.47, Description: PDI-147SC-A-07-08-200425

#	Comp	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Std.RRT	RRT	Conc	DU	EM
1	2,3,7,8-TCDD			NO	0.947	10.033	26.066		1.001			0.0909	
2	1,2,3,7,8-PeCDD	4.65e2	0.76	YES	0.942	10.033	31.147	31.14	1.001	1.000	0.20805	0.120	0.193
3	1,2,3,4,7,8-HxCDD			NO	1.06	10.033	34.505		1.000			0.192	
4	1,2,3,6,7,8-HxCDD	1.25e3	1.22	NO	0.915	10.033	34.601	34.61	1.000	1.000	0.62203	0.179	0.622
5	1,2,3,7,8,9-HxCDD	4.00e2	1.48	YES	0.915	10.033	34.878	34.87	1.000	1.000	0.22848	0.216	0.199
6	1,2,3,4,6,7,8-HpCDD	2.46e4	1.00	NO	0.898	10.033	38.394	38.40	1.000	1.001	19.411	0.553	19.4
7	OCDD	2.07e5	0.91	NO	0.933	10.033	41.354	41.36	1.000	1.000	198.13	0.719	198
8	2,3,7,8-TCDF	6.48e3	0.75	NO	0.787	10.033	25.117	25.12	1.001	1.001	1.9633	0.122	1.96
9	1,2,3,7,8-PeCDF	1.22e4	1.38	NO	0.910	10.033	29.834	29.81	1.001	1.000	3.5928	0.0883	3.59
10	2,3,4,7,8-PeCDF	4.28e3	1.59	NO	0.966	10.033	30.835	30.82	1.001	1.001	1.2681	0.0835	1.27
11	1,2,3,4,7,8-HxCDF	1.97e4	1.25	NO	0.878	10.033	33.632	33.65	1.000	1.001	8.7968	0.141	8.80
12	1,2,3,6,7,8-HxCDF	1.03e4	1.30	NO	0.874	10.033	33.759	33.76	1.000	1.000	4.0496	0.139	4.05
13	2,3,4,6,7,8-HxCDF	2.36e3	1.23	NO	0.922	10.033	34.369	34.35	1.001	1.000	1.0071	0.153	1.01
14	1,2,3,7,8,9-HxCDF	4.95e2	1.36	NO	0.864	10.033	35.230	35.24	1.000	1.000	0.26647	0.237	0.266
15	1,2,3,4,6,7,8-HpCDF	1.47e4	1.04	NO	0.871	10.033	36.992	36.98	1.001	1.001	9.3928	0.208	9.39
16	1,2,3,4,7,8,9-HpCDF	2.05e3	1.16	NO	1.01	10.033	38.968	38.97	1.000	1.000	1.6795	0.241	1.68
17	OCDF	1.18e4	0.91	NO	0.802	10.033	41.545	41.56	1.000	1.000	10.013	0.208	10.0
18	13C-2,3,7,8-TCDD	6.06e5	0.79	NO	1.16	10.033	26.015	26.03	1.026	1.027	190.39	95.5	0.308
19	13C-1,2,3,7,8-PeCDD	4.73e5	0.63	NO	0.847	10.033	31.105	31.13	1.227	1.228	203.40	102	0.472
20	13C-1,2,3,4,7,8-HxCDD	3.46e5	1.30	NO	0.750	10.033	34.506	34.49	1.014	1.014	170.44	85.5	0.604
21	13C-1,2,3,6,7,8-HxCDD	4.40e5	1.30	NO	0.963	10.033	34.618	34.60	1.017	1.017	168.68	84.6	0.470
22	13C-1,2,3,7,8,9-HxCDD	3.95e5	1.22	NO	0.838	10.033	34.887	34.87	1.025	1.025	174.41	87.5	0.541
23	13C-1,2,3,4,6,7,8-HpCDD	2.81e5	1.06	NO	0.641	10.033	38.378	38.38	1.128	1.128	161.87	81.2	0.645
24	13C-OCDD	4.45e5	0.88	NO	0.586	10.033	41.372	41.35	1.216	1.215	280.70	70.4	0.631
25	13C-2,3,7,8-TCDF	8.36e5	0.79	NO	1.03	10.033	25.075	25.09	0.989	0.990	178.08	89.3	0.438
26	13C-1,2,3,7,8-PeCDF	7.44e5	1.62	NO	0.845	10.033	29.794	29.81	1.176	1.176	193.98	97.3	0.588
27	13C-2,3,4,7,8-PeCDF	6.95e5	1.61	NO	0.814	10.033	30.785	30.80	1.215	1.215	188.18	94.4	0.610
28	13C-1,2,3,4,7,8-HxCDF	5.08e5	0.51	NO	1.00	10.033	33.645	33.63	0.989	0.988	186.80	93.7	0.649
29	13C-1,2,3,6,7,8-HxCDF	5.82e5	0.51	NO	1.14	10.033	33.767	33.75	0.992	0.992	189.15	94.9	0.574
30	13C-2,3,4,6,7,8-HxCDF	5.07e5	0.50	NO	1.02	10.033	34.336	34.33	1.009	1.009	183.21	91.9	0.638
31	13C-1,2,3,7,8,9-HxCDF	4.28e5	0.53	NO	0.845	10.033	35.227	35.23	1.035	1.035	187.32	94.0	0.772

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-10.qld

Last Altered: Thursday, May 21, 2020 11:27:26 Pacific Daylight Time
Printed: Thursday, May 21, 2020 11:28:45 Pacific Daylight Time

Name: 200519R2_10, Date: 19-May-2020, Time: 20:28:21, ID: 2000957-05 PDI-147SC-A-07-08-200425 16.47, Description: PDI-147SC-A-07-08-200425

Comp	RA	ny	RRF	w/vol	Peak Area	Peak Vol	Peak Conc	Peak ID	Peak Name	Peak Conc	Peak Vol	Peak Conc	Peak ID	Peak Name	Peak Conc	Peak Vol	Peak Conc
32	13C-1,2,3,4,6,7,8-HpCDF	3.58e5	0.44	NO	0.771	10.033	36.959	36.96	1.086	1.086	171.38	86.0	0.678				
33	13C-1,2,3,4,7,8,9-HpCDF	2.40e5	0.42	NO	0.482	10.033	38.970	38.97	1.145	1.145	184.22	92.4	1.08				
34	13C-OCDF	5.88e5	0.87	NO	0.669	10.033	41.542	41.54	1.221	1.221	324.92	81.5	0.594				
35	37Cl-2,3,7,8-TCDD	2.39e5			1.10	10.033	26.046	26.05	1.028	1.028	79.369	99.5	0.0778				
36	13C-1,2,3,4-TCDD	5.47e5	0.79	NO	1.00	10.033	25.350	25.35	1.000	1.000	199.34	100	0.357				
37	13C-1,2,3,4-TCDF	9.05e5	0.79	NO	1.00	10.033	23.560	23.58	1.000	1.000	199.34	100	0.453				
38	13C-1,2,3,4,6,9-HxCDF	5.40e5	0.52	NO	1.00	10.033	34.000	34.03	1.000	1.000	199.34	100	0.652				
39	Total Tetra-Dioxins				0.947	10.033	24.620		0.000		0.22629		0.0909				0.390
40	Total Penta-Dioxins				0.942	10.033	29.960		0.000		0.35247		0.0531				1.17
41	Total Hexa-Dioxins				0.915	10.033	33.635		0.000		6.8241		0.204				7.02
42	Total Hepta-Dioxins				0.898	10.033	37.640		0.000		54.748		0.553				54.7
43	Total Tetra-Furans				0.787	10.033	23.610		0.000		6.1318		0.122				7.22
44	1st Func. Penta-Furans				0.910	10.033	27.090		0.000		1.1358		0.0313				1.14
45	Total Penta-Furans				0.910	10.033	29.275		0.000		9.5854		0.0885				9.59
46	Total Hexa-Furans				0.922	10.033	33.555		0.000		19.056		0.157				19.1
47	Total Hepta-Furans				0.871	10.033	37.835		0.000		17.968		0.237				18.0

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-10.qld

Last Altered: Thursday, May 21, 2020 11:27:26 Pacific Daylight Time
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Name: 200519R2_10, Date: 19-May-2020, Time: 20:28:21, ID: 2000957-05 PDI-147SC-A-07-08-200425 16.47, Description: PDI-147SC-A-07-08-200425

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DU
Total Tetra-Dioxins	21.87	3.091e3	4.239e3	2.703e2	3.812e2	0.71	NO	6.515e2	0.22629	0.22629	0.0909
Total Tetra-Dioxins	25.76	3.928e3	3.699e3	3.540e2	2.668e2	1.33	YES	0.000e0	0.00000	0.16401	0.0909

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DU
Total Penta-Dioxins	28.85	4.766e3	6.651e3	3.302e2	4.577e2	0.72	NO	7.880e2	0.35247	0.35247	0.0531
Total Penta-Dioxins	29.34	2.793e3	2.404e3	1.094e2	1.274e2	0.86	YES	0.000e0	0.00000	0.092917	0.0531
Total Penta-Dioxins	29.87	2.353e3	3.786e3	1.107e2	2.093e2	0.53	YES	0.000e0	0.00000	0.12815	0.0531
Total Penta-Dioxins	30.04	2.640e3	6.368e3	1.261e2	3.286e2	0.38	YES	0.000e0	0.00000	0.14595	0.0531
Total Penta-Dioxins	30.13	1.551e3	3.468e3	6.493e1	1.439e2	0.45	YES	0.000e0	0.00000	0.075149	0.0531
Total Penta-Dioxins	30.39	2.155e3	3.561e3	1.542e2	3.123e2	0.49	YES	0.000e0	0.00000	0.17846	0.0531
1,2,3,7,8-PeCDD	31.14	4.552e3	3.995e3	2.006e2	2.645e2	0.76	YES	4.651e2	0.00000	0.19287	0.129

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DU
Total Hexa-Dioxins	33.03	4.265e4	4.202e4	2.667e3	2.166e3	1.23	NO	4.833e3	2.6759	2.6759	0.204
Total Hexa-Dioxins	33.58	8.716e3	6.017e3	4.285e2	3.196e2	1.34	NO	7.481e2	0.41419	0.41419	0.204
Total Hexa-Dioxins	33.83	3.938e4	2.829e4	3.107e3	2.514e3	1.24	NO	5.621e3	3.1120	3.1120	0.204
1,2,3,6,7,8-HxCDD	34.61	9.450e3	8.313e3	6.896e2	5.652e2	1.22	NO	1.255e3	0.62203	0.62203	0.179
1,2,3,7,8,9-HxCDD	34.87	3.726e3	2.735e3	2.385e2	1.616e2	1.48	YES	4.001e2	0.00000	0.19947	0.216

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DU
Total Hepta-Dioxins	37.36	2.346e5	2.542e5	2.259e4	2.215e4	1.02	NO	4.474e4	35.338	35.338	0.553
1,2,3,4,6,7,8-HpCDD	38.40	1.455e5	1.405e5	1.226e4	1.231e4	1.00	NO	2.457e4	19.411	19.411	0.553

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-10.qld

Last Altered: Thursday, May 21, 2020 11:27:26 Pacific Daylight Time

Printed: Thursday, May 21, 2020 11:28:45 Pacific Daylight Time

Name: 200519R2_10, Date: 19-May-2020, Time: 20:28:21, ID: 2000957-05 PDI-147SC-A-07-08-200425 16.47, Description: PDI-147SC-A-07-08-200425

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	PA	Resp	Resp	Resp	Resp
Total Tetra-Furans	20.93	1.131e4	1.544e4	8.498e2	1.318e3	0.64	YES	0.000e0	0.00000	0.59153	0.122
Total Tetra-Furans	21.47	3.899e3	5.691e3	4.155e2	5.264e2	0.79	NO	9.419e2	0.28524	0.28524	0.122
Total Tetra-Furans	21.87	1.128e4	1.332e4	1.072e3	1.263e3	0.85	NO	2.336e3	0.70727	0.70727	0.122
Total Tetra-Furans	22.34	6.198e3	8.686e3	4.911e2	5.204e2	0.94	YES	0.000e0	0.00000	0.27893	0.122
Total Tetra-Furans	22.68	3.359e3	4.787e3	2.665e2	3.327e2	0.80	NO	5.992e2	0.18144	0.18144	0.122
Total Tetra-Furans	23.58	7.110e3	8.473e3	8.932e2	1.196e3	0.75	NO	2.090e3	0.63276	0.63276	0.122
Total Tetra-Furans	24.13	3.544e4	4.511e4	3.077e3	4.151e3	0.74	NO	7.229e3	2.1890	2.1890	0.122
Total Tetra-Furans	25.00	6.856e3	7.987e3	3.076e2	5.182e2	0.59	YES	0.000e0	0.00000	0.21414	0.122
2,3,7,8-TCDF	25.12	3.452e4	4.657e4	2.777e3	3.706e3	0.75	NO	6.483e3	1.9633	1.9633	0.122
Total Tetra-Furans	25.50	2.803e3	5.462e3	2.371e2	3.334e2	0.71	NO	5.705e2	0.17275	0.17275	0.122

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	PA	Resp	Resp	Resp	Resp
1st Func. Penta-Furans	27.17	3.651e4	2.345e4	2.337e3	1.396e3	1.67	NO	3.733e3	1.1358	1.1358	0.0313

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	PA	Resp	Resp	Resp	Resp
Total Penta-Furans	28.82	5.480e4	3.971e4	3.945e3	2.698e3	1.46	NO	6.642e3	2.0209	2.0209	0.0885
Total Penta-Furans	29.42	1.016e4	7.328e3	8.149e2	5.053e2	1.61	NO	1.320e3	0.40167	0.40167	0.0885
Total Penta-Furans	29.63	1.184e4	7.815e3	7.553e2	4.568e2	1.65	NO	1.212e3	0.36878	0.36878	0.0885
1,2,3,7,8-PeCDF	29.81	1.317e5	9.012e4	7.089e3	5.120e3	1.38	NO	1.221e4	3.5928	3.5928	0.0883
Total Penta-Furans	30.10	5.038e4	2.929e4	2.830e3	1.641e3	1.72	NO	4.472e3	1.3605	1.3605	0.0885
2,3,4,7,8-PeCDF	30.82	5.644e4	3.318e4	2.626e3	1.649e3	1.59	NO	4.275e3	1.2681	1.2681	0.0835
Total Penta-Furans	30.85	3.610e4	2.043e4	1.178e3	7.047e2	1.67	NO	1.882e3	0.57272	0.57272	0.0885

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-10.qld

Last Altered: Thursday, May 21, 2020 11:27:26 Pacific Daylight Time

Printed: Thursday, May 21, 2020 11:28:45 Pacific Daylight Time

Name: 200519R2_10, Date: 19-May-2020, Time: 20:28:21, ID: 2000957-05 PDI-147SC-A-07-08-200425 16.47, Description: PDI-147SC-A-07-08-200425

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	hy	Resp	Comp	EMPC	DL
Total Hexa-Furans	32.48	1.832e4	1.425e4	9.369e2	6.840e2	1.37	NO	1.621e3	0.69229	0.69229	0.157
Total Hexa-Furans	32.64	4.913e4	3.940e4	2.587e3	2.237e3	1.15	NO	4.804e3	2.0518	2.0518	0.157
Total Hexa-Furans	33.19	3.998e4	3.325e4	2.125e3	1.822e3	1.17	NO	3.947e3	1.6860	1.6860	0.157
1,2,3,4,7,8-HxCDF	33.65	1.818e5	1.460e5	1.094e4	8.749e3	1.25	NO	1.969e4	8.7968	8.7968	0.141
1,2,3,6,7,8-HxCDF	33.76	9.281e4	6.999e4	5.843e3	4.490e3	1.30	NO	1.033e4	4.0496	4.0496	0.139
2,3,4,6,7,8-HxCDF	34.35	2.232e4	1.527e4	1.301e3	1.060e3	1.23	NO	2.361e3	1.0071	1.0071	0.153
1,2,3,7,8,9-HxCDF	35.24	1.019e4	6.370e3	2.856e2	2.092e2	1.36	NO	4.948e2	0.26647	0.26647	0.237
Total Hexa-Furans	35.26	1.340e4	8.580e3	6.957e2	4.888e2	1.42	NO	1.185e3	0.50594	0.50594	0.157

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	hy	Resp	Comp	EMPC	DL
1,2,3,4,6,7,8-HpCDF	36.98	8.615e4	8.018e4	7.499e3	7.187e3	1.04	NO	1.469e4	9.3928	9.3928	0.208
Total Hepta-Furans	37.57	5.250e4	5.665e4	4.626e3	4.389e3	1.05	NO	9.015e3	6.8959	6.8959	0.237
1,2,3,4,7,8,9-HpCDF	38.97	1.399e4	1.455e4	1.103e3	9.471e2	1.16	NO	2.050e3	1.6795	1.6795	0.241

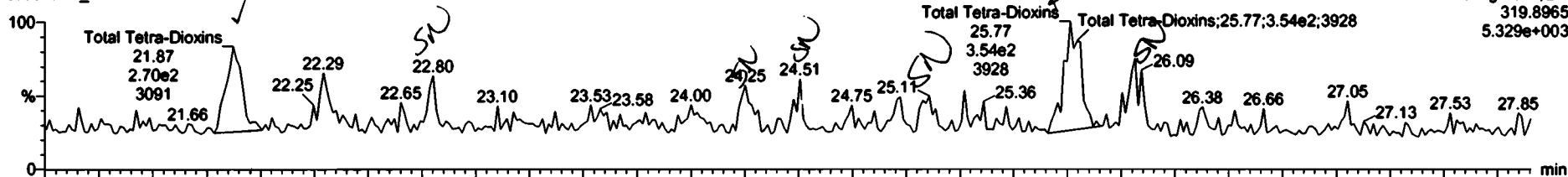
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Printed: Wednesday, May 20, 2020 08:24:37 Pacific Daylight Time

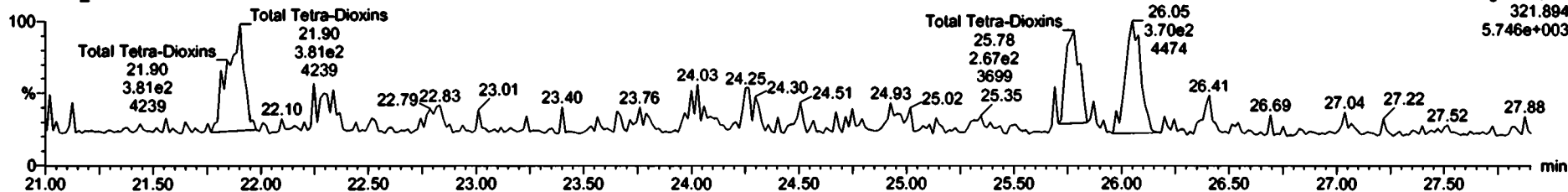
Name: 200519R2_10, Date: 19-May-2020, Time: 20:28:21, ID: 2000957-05 PDI-147SC-A-07-08-200425 16.47, Description: PDI-147SC-A-07-08-200425

2,3,7,8-TCDD

200519R2_10

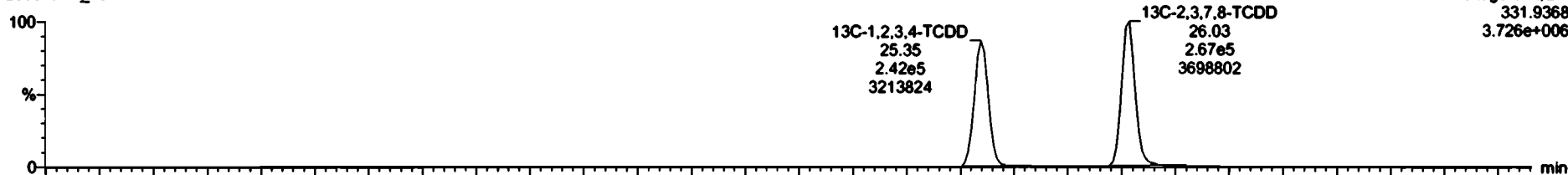


200519R2_10

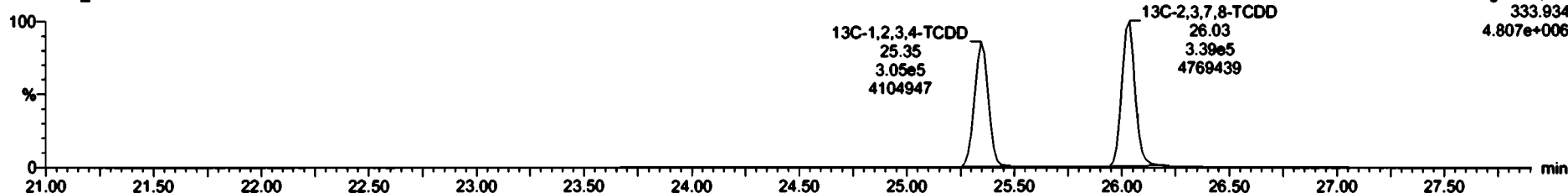


13C-2,3,7,8-TCDD

200519R2_10



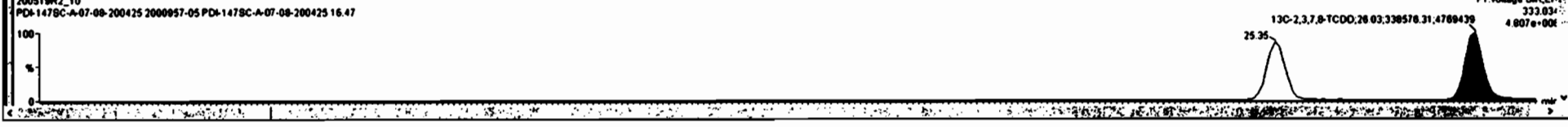
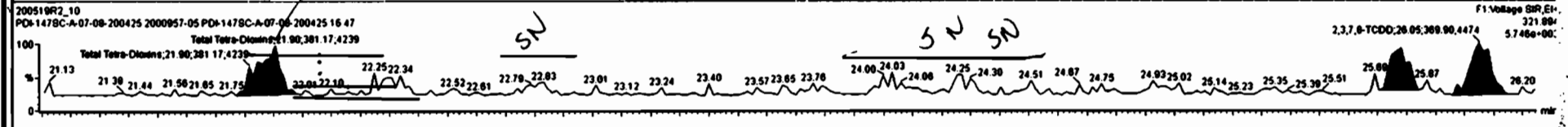
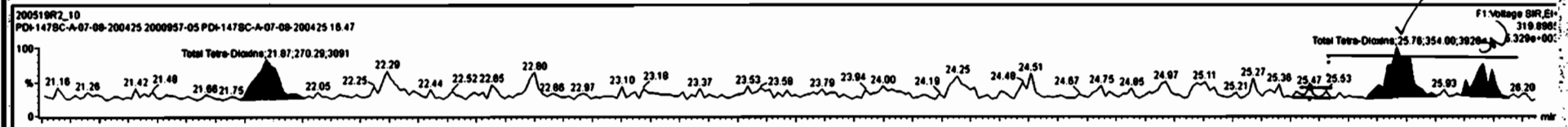
200519R2_10





Name	Range	RA	rv	RF	val	RF	RRT	Cons.	%Rep	SL	BMPC
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Total Penta-Dioxins											
					0.9425	10.033				0.0531	

Name	RT	nt Range	act Range	RA	rv	BMPC	Cons.
Total Tetra-Dioxins	25.78	3.540e2	7.899e2	1.33	YES	0.18401	0.00000
Total Tetra-Dioxins	21.87	2.703e2	3.812e2	0.71	NO	0.22828	0.22828
2,3,7,8-TCDD	28.08	1.785e2	3.888e2	0.48	YES	0.14334	0.00000



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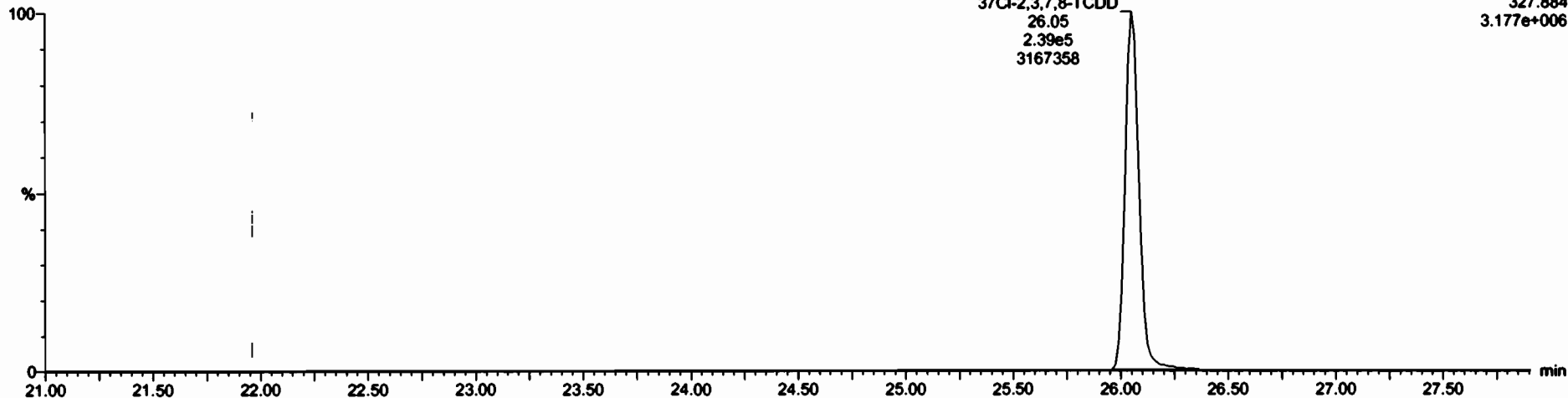
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Printed: Wednesday, May 20, 2020 08:24:37 Pacific Daylight Time

Name: 200519R2_10, Date: 19-May-2020, Time: 20:28:21, ID: 2000957-05 PDI-147SC-A-07-08-200425 16.47, Description: PDI-147SC-A-07-08-200425

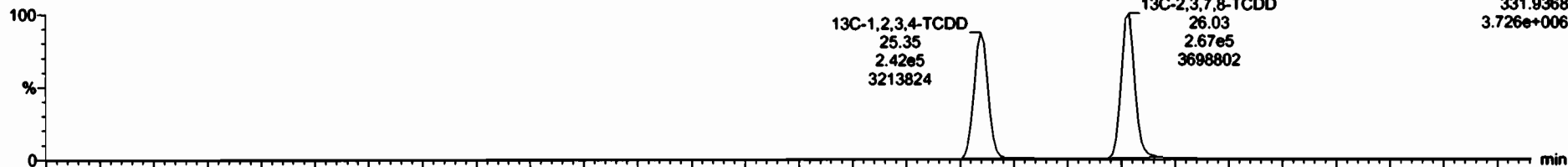
37Cl-2,3,7,8-TCDD

200519R2_10

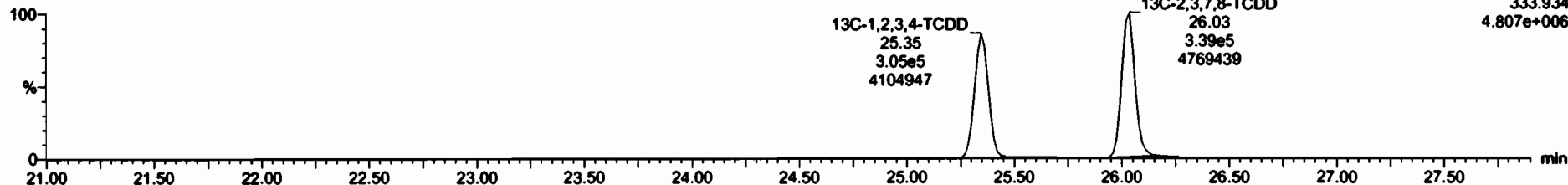


13C-1,2,3,4-TCDD

200519R2_10



200519R2_10



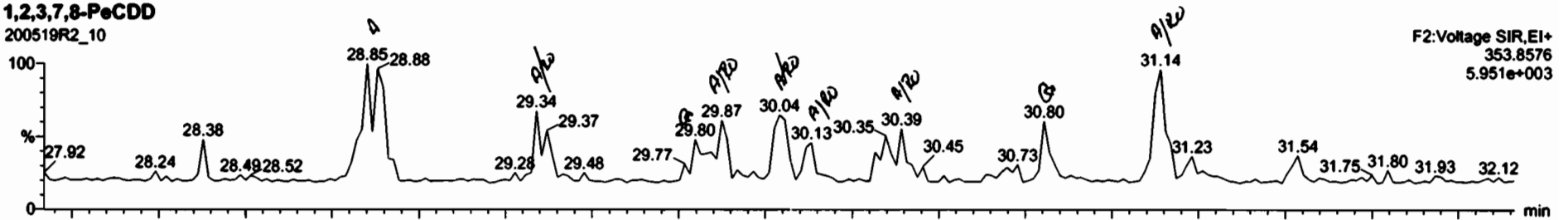
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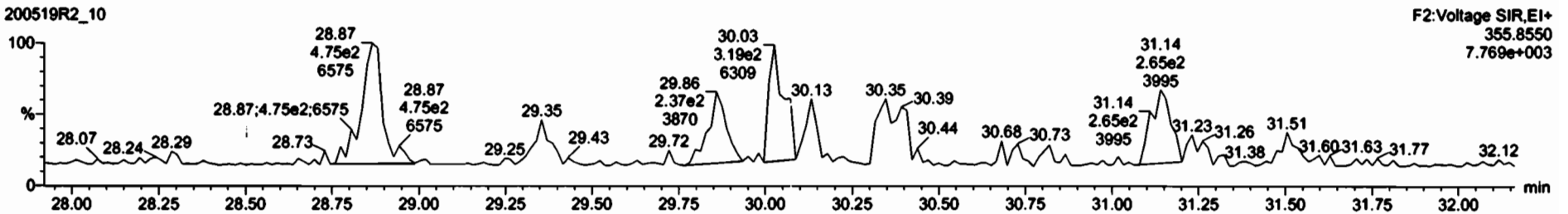
1,2,3,7,8-PeCDD

200519R2_10



F2:Voltage SIR,EI+
353.8576
5.951e+003

200519R2_10



F2:Voltage SIR,EI+
355.8550
7.769e+003

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

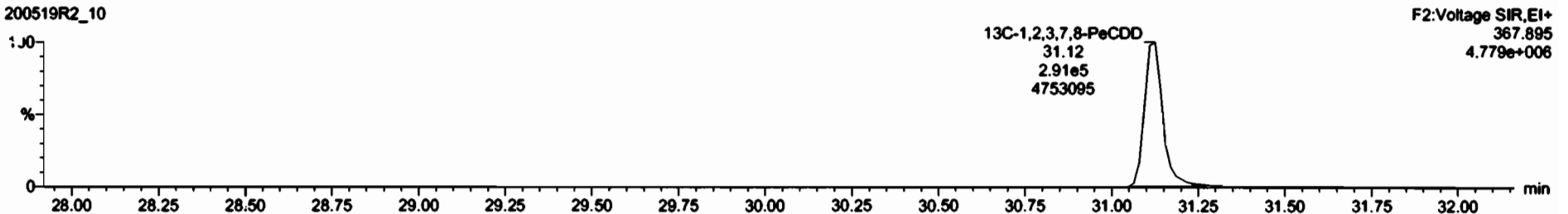
200519R2_10



13C-1,2,3,7,8-PeCDD
31.12
1.82e5
3160719

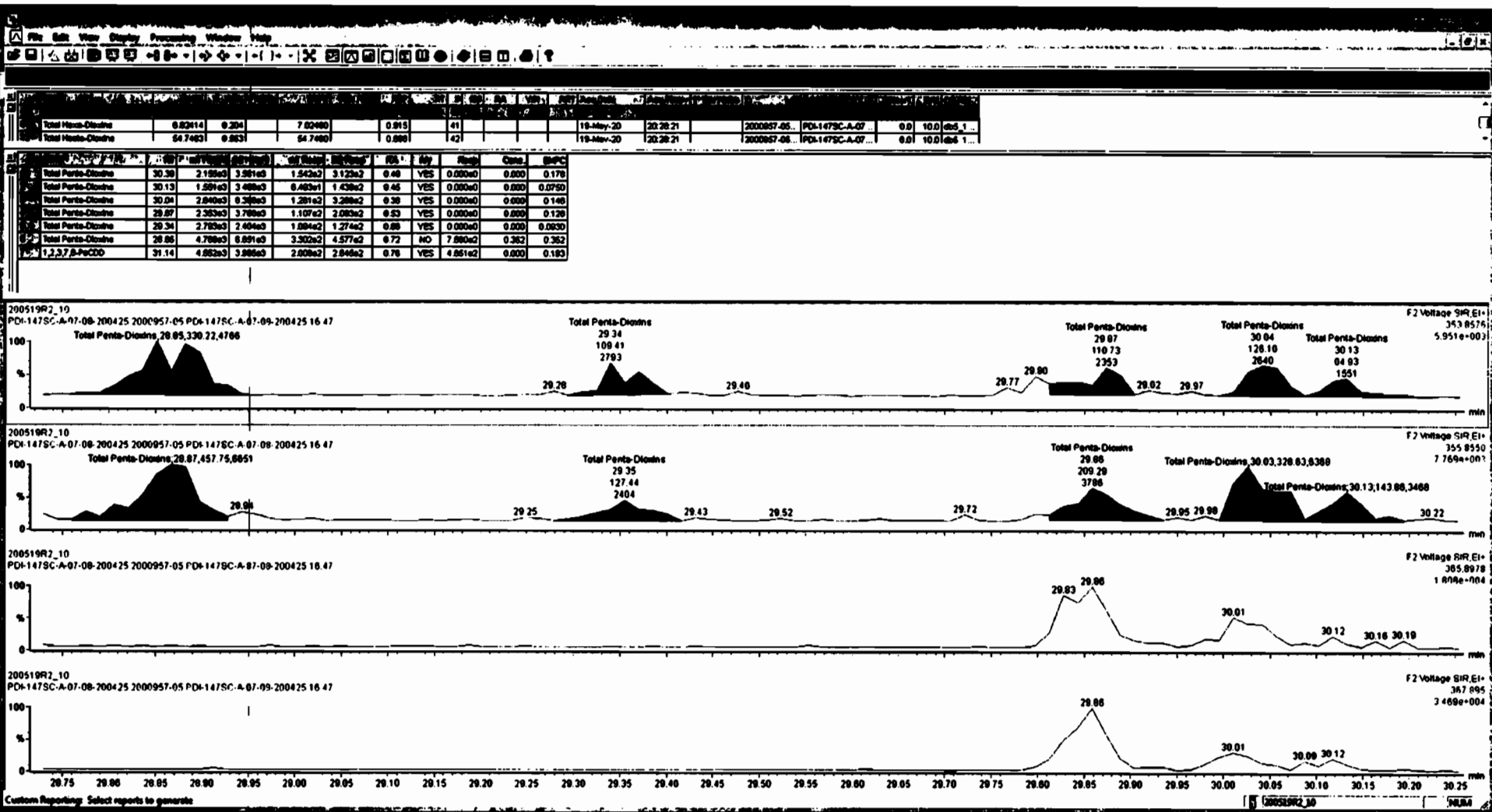
F2:Voltage SIR,EI+
365.8978
3.177e+006

200519R2_10



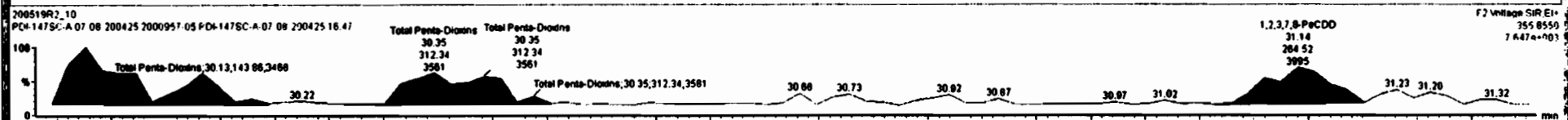
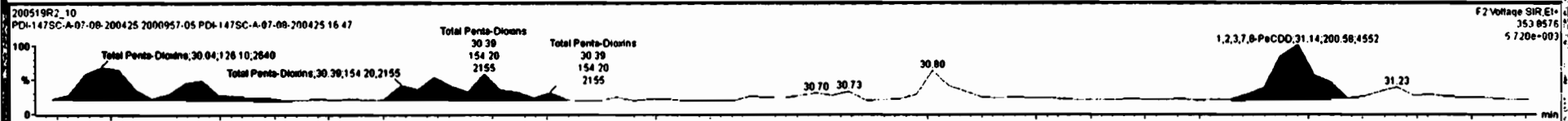
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31.12
2.91e5
4753095

F2:Voltage SIR,EI+
367.895
4.779e+006



	0.82414	0.204	7.02480	0.815	41					18-May-20	20:28:21	2000957-05...	POI-1475C-A-07...	0.0	10.0	465_1...
Total Hexa-Chlorine	0.82414	0.204	7.02480	0.815	41					18-May-20	20:28:21	2000957-05...	POI-1475C-A-07...	0.0	10.0	465_1...
Total Hepta-Chlorine	54.7463	0.953	54.7460	0.899	142					19-May-20	20:28:21	2000957-05...	POI-1475C-A-07...	0.0	10.0	466_1...

	30.39	2.195e3	3.261e3	1.542e2	3.125e2	0.48	YES	0.000e0	0.000	0.175
Total Penta-Dioxine	30.39	2.195e3	3.261e3	1.542e2	3.125e2	0.48	YES	0.000e0	0.000	0.175
Total Penta-Dioxine	30.13	1.551e3	3.495e3	6.482e1	1.409e2	0.45	YES	0.000e0	0.000	0.0750
Total Penta-Dioxine	30.04	2.840e3	6.398e3	1.381e2	3.289e2	0.39	YES	0.000e0	0.000	0.148
Total Penta-Dioxine	29.87	2.353e3	3.788e3	1.107e2	2.083e2	0.53	YES	0.000e0	0.000	0.129
Total Penta-Dioxine	29.34	2.783e3	2.484e3	1.094e2	1.274e2	0.85	YES	0.000e0	0.000	0.0830
Total Penta-Dioxine	28.85	4.788e3	6.891e3	3.302e2	4.577e2	0.72	NO	7.880e2	0.352	0.352
1,2,3,7,8-PeCDD	31.14	4.952e3	3.895e3	2.808e2	2.846e2	0.78	YES	4.881e2	0.000	0.183



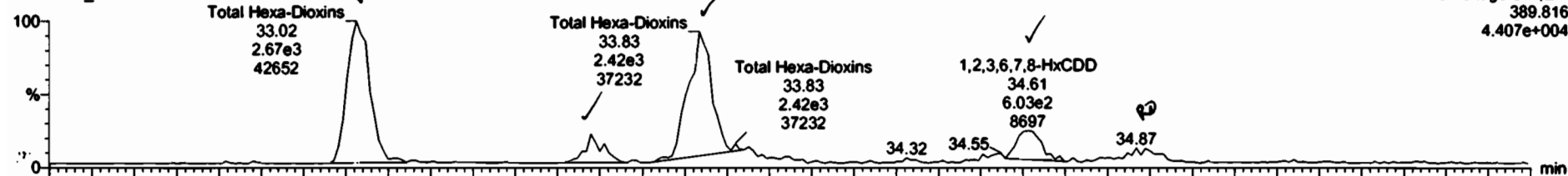
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Printed: Wednesday, May 20, 2020 08:24:37 Pacific Daylight Time

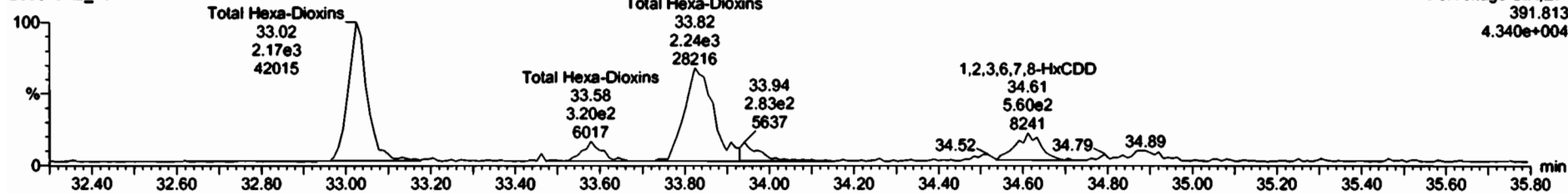
Name: 200519R2_10, Date: 19-May-2020, Time: 20:28:21, ID: 2000957-05 PDI-147SC-A-07-08-200425 16.47, Description: PDI-147SC-A-07-08-200425

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

200519R2_10

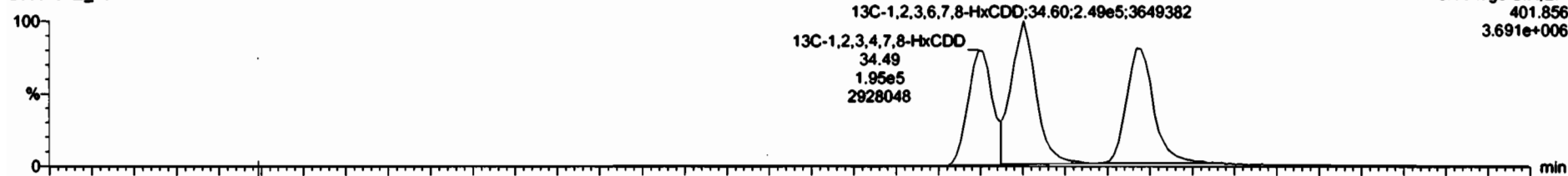


200519R2_10

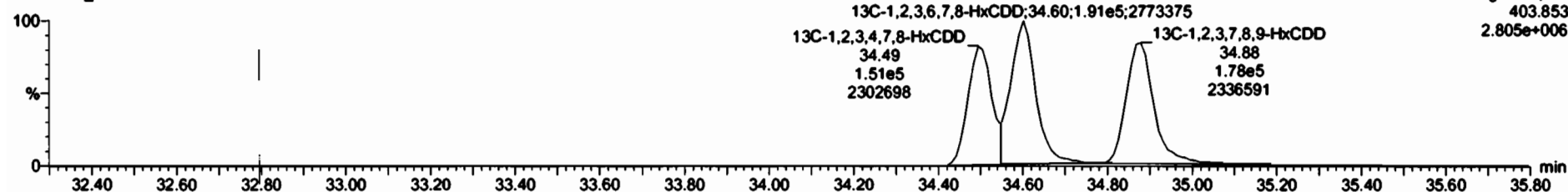


13C-1,2,3,4,7,8-HxCDD

200519R2_10



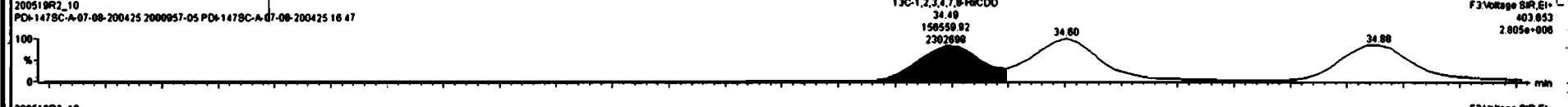
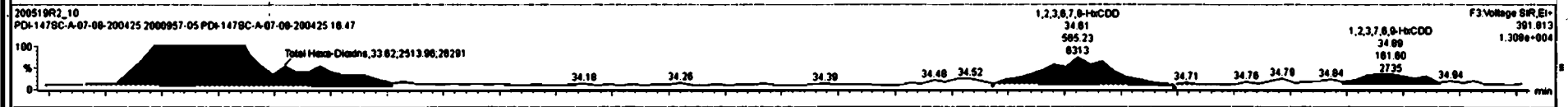
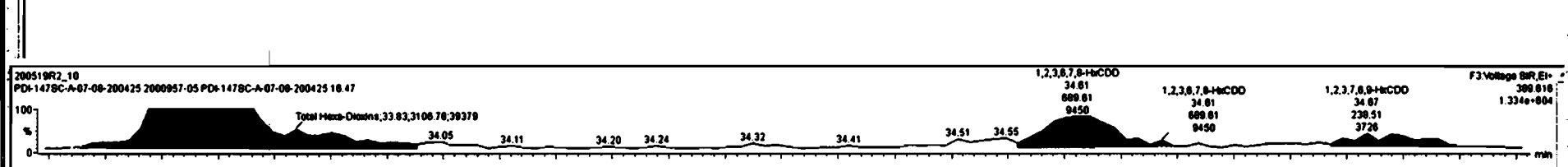
200519R2_10



File Edit View Display Processing Window Help

Name	Resp	RA	Qty	RF	Wtd	RT	RF	Comp	Wtd	DL	EMPC
Total Hexa-Chlorine			0.8078	10.033				54.7		0.563	54.7
Total Tetra-Furans			0.7871	10.033				5.30		0.122	7.08

Name	RT	nt Resp	nt/Resp	RA	ny	EMPC	Conc.
Total Hexa-Chlorine	33.83	2.887e3	2.188e3	1.23	NO	2.8759	2.8759
Total Hexa-Chlorine	33.58	4.286e2	3.188e2	1.34	NO	0.41419	0.41419
Total Hexa-Chlorine	33.83	3.107e3	2.514e3	1.24	NO	3.1120	3.1120
1,2,3,6,7,8-HxCDD	34.81	6.888e2	5.852e2	1.22	NO	0.82203	0.82203
1,2,3,7,8-HxCDD	34.87	2.386e2	1.818e2	1.48	YES	0.19847	0.00000



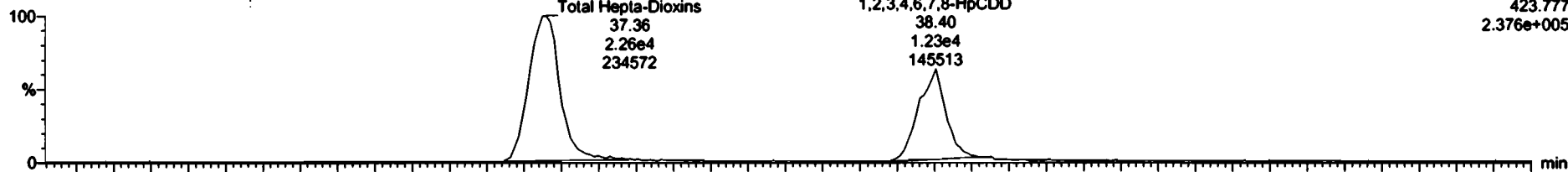
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Name: 200519R2_10, Date: 19-May-2020, Time: 20:28:21, ID: 2000957-05 PDI-147SC-A-07-08-200425 16.47, Description: PDI-147SC-A-07-08-200425

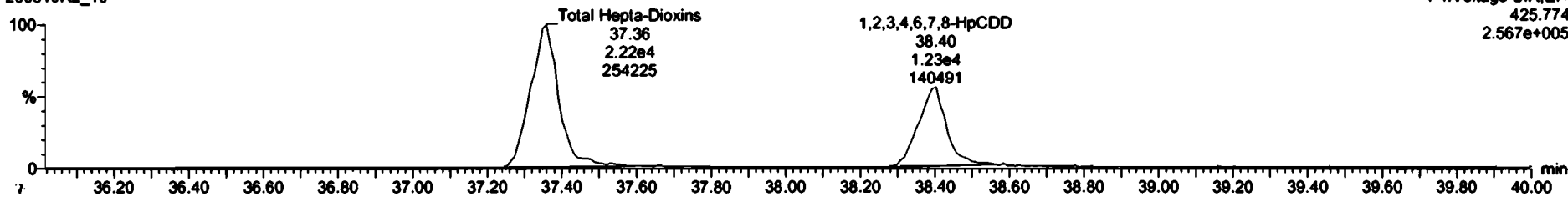
1,2,3,4,6,7,8-HpCDD

200519R2_10



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423.777
2.376e+005

200519R2_10



F4:Voltage SIR,EI+
425.774
2.567e+005

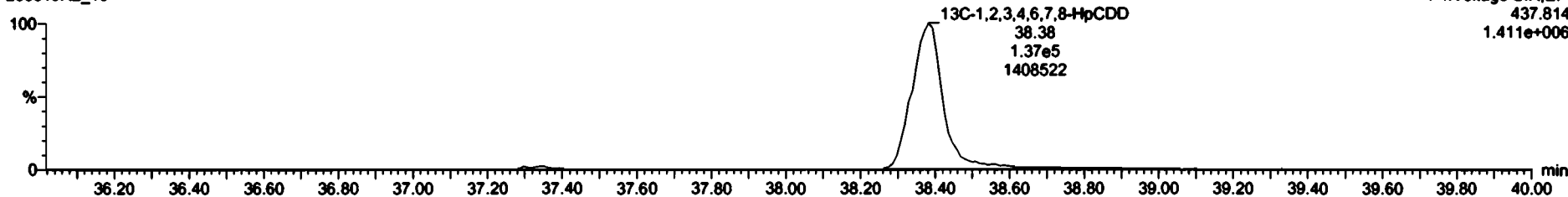
13C-1,2,3,4,6,7,8-HpCDD

200519R2_10



F4:Voltage SIR,EI+
435.817
1.542e+006

200519R2_10



F4:Voltage SIR,EI+
437.814
1.411e+006

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Printed: Wednesday, May 20, 2020 08:24:37 Pacific Daylight Time

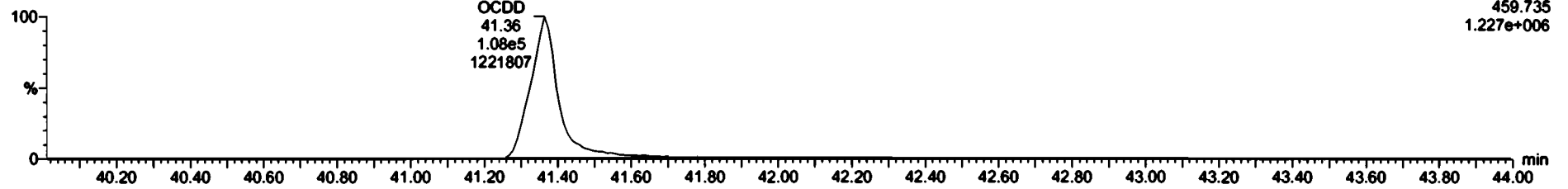
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OCDD

200519R2_10



200519R2_10

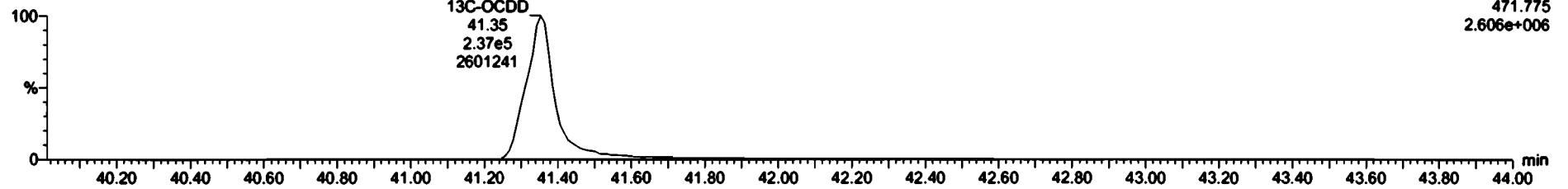


13C-OCDD

200519R2_10



200519R2_10

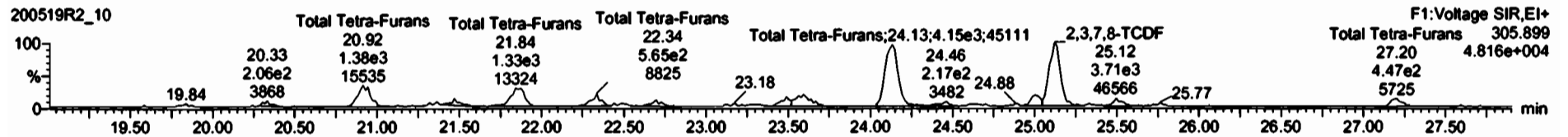
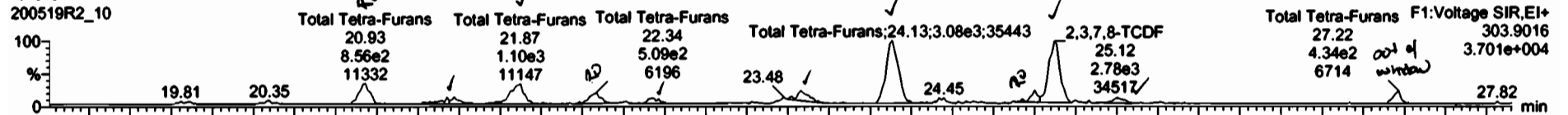


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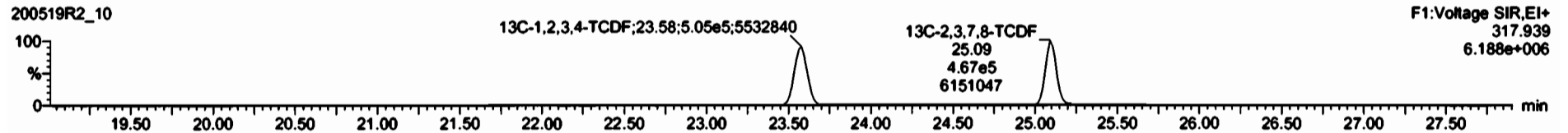
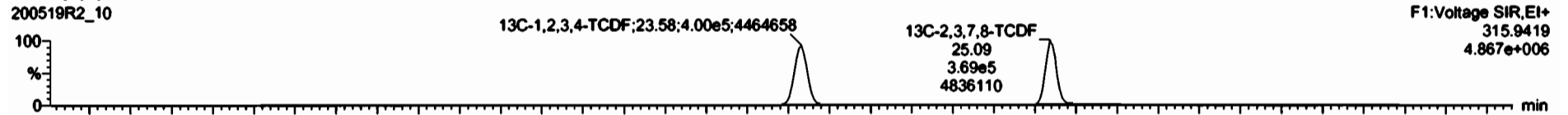
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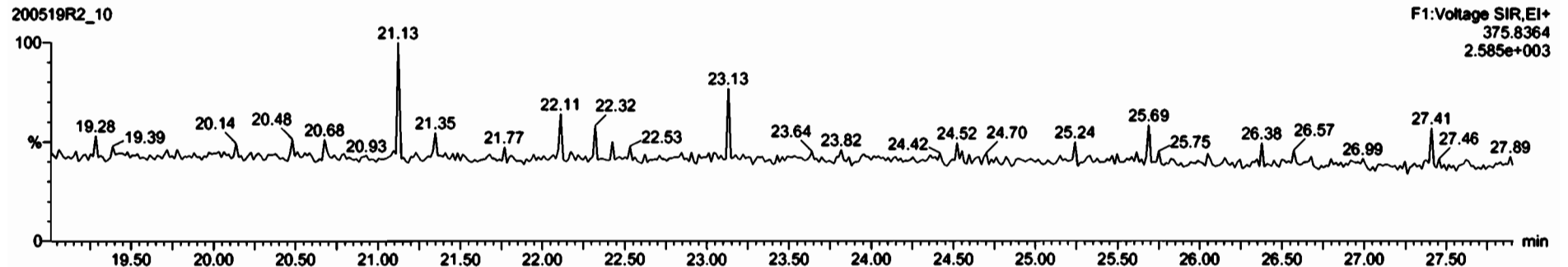
2,3,7,8-TCDF



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



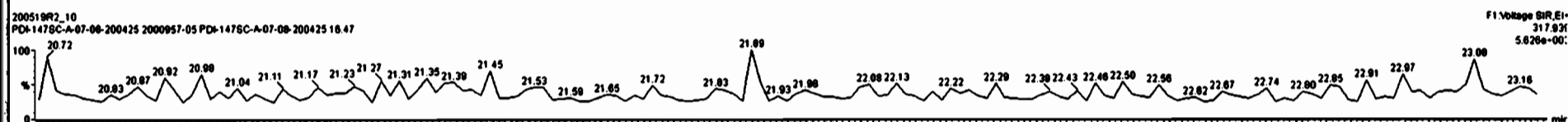
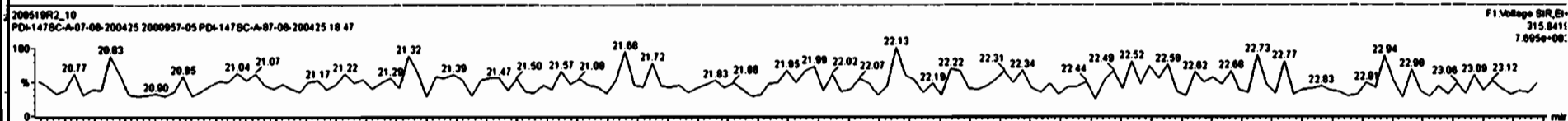
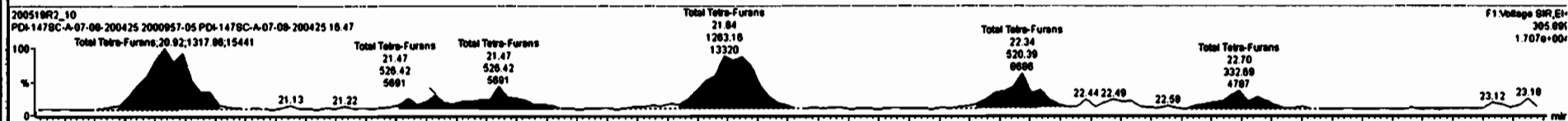
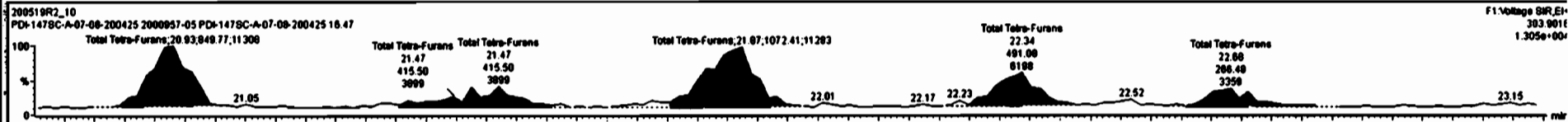
DPE1



File Edit View Display Processing Window Help

Comp	RA	RY	RF	WVal	RT	RVT	Comp	RF	CL	BMP
Total Hexa-Chloro			0.9145	10.033			6.82		0.204	7.02
Total Hexa-Chloro			0.8079	10.033			54.7		0.663	64.7

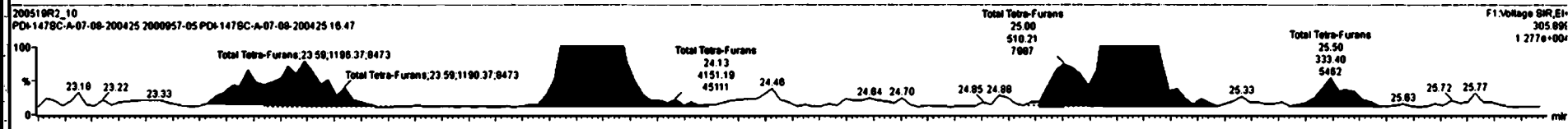
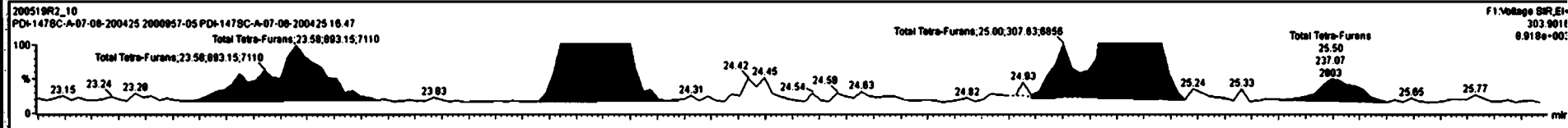
Number	RT	int Resp	ext Resp	RA	RY	BMP	Comp
1	20.83	0.488e2	1.218e3	0.84	YES	0.59153	0.00000
2	21.47	4.155e2	5.284e2	0.79	NO	0.28624	0.28624
3	21.87	1.072e3	1.263e3	0.86	NO	0.70727	0.70727
4	22.34	4.911e2	5.204e2	0.84	YES	0.27863	0.00000
5	22.86	2.685e2	3.327e2	0.80	NO	0.18144	0.18144
6	23.58	4.852e2	6.867e2	0.53	YES	0.32286	0.00000
7	24.13	3.077e3	4.151e3	0.74	NO	2.1880	2.1880
8	25.00	3.230e2	5.210e2	0.82	YES	0.22481	0.00000
9	25.12	2.777e3	3.708e3	0.75	NO	1.8833	1.8833



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Name	RT	RA	Rel	RF	Vol	FT	RF	Comp	RF	RF
1st Furfu-Furans				0.9102	10.033			1.14	0.0213	1.14
Total Furfu-Furans				0.9102	10.033			6.23	0.0005	9.50

Name	RT	Rel Resp	Rel Resp	RA	Rel	RF	Comp
Total Tetra-Furans	20.80	0.488e2	1.318e3	0.84	YES	0.59153	0.00000
Total Tetra-Furans	21.47	4.155e2	5.284e2	0.79	NO	0.28624	0.28624
Total Tetra-Furans	21.87	1.072e3	1.283e3	0.85	NO	0.70727	0.70727
Total Tetra-Furans	22.34	4.911e2	6.204e2	0.94	YES	0.27863	0.00000
Total Tetra-Furans	22.88	2.885e2	3.327e2	0.80	NO	0.18144	0.18144
Total Tetra-Furans	23.58	8.932e2	1.188e3	0.75	NO	0.63278	0.63278
Total Tetra-Furans	24.13	3.077e3	4.151e3	0.74	NO	2.1680	2.1680
Total Tetra-Furans	25.00	3.078e2	5.182e2	0.58	YES	0.21414	0.00000
2,3,7,8-TCDF	25.12	2.777e3	3.708e3	0.75	NO	1.9833	1.9833



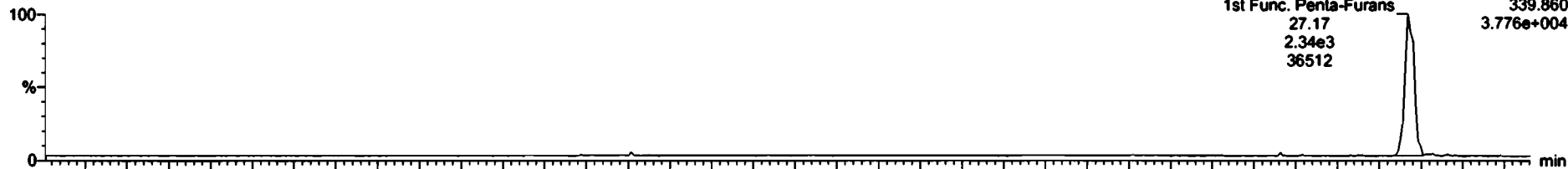
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Printed: Wednesday, May 20, 2020 08:24:37 Pacific Daylight Time

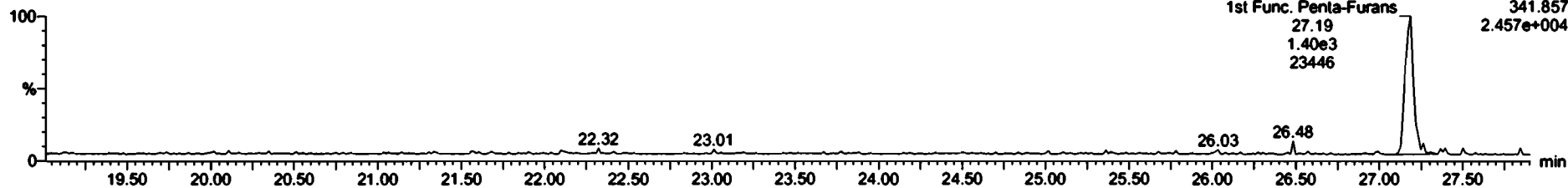
Name: 200519R2_10, Date: 19-May-2020, Time: 20:28:21, ID: 2000957-05 PDI-147SC-A-07-08-200425 16.47, Description: PDI-147SC-A-07-08-200425

1st Func. Penta-Furans

200519R2_10

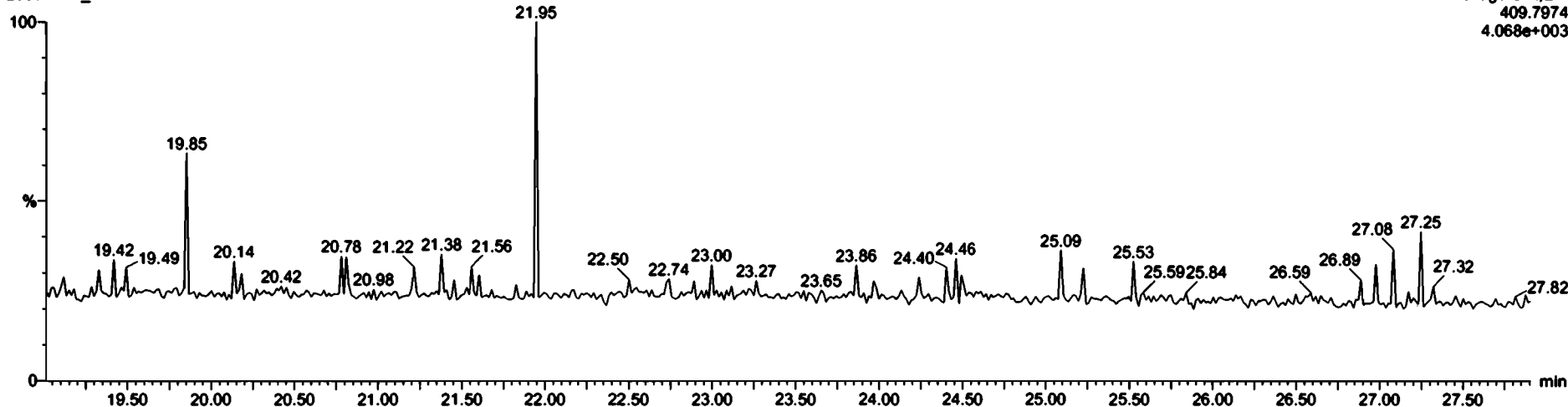


200519R2_10



DPE6

200519R2_10

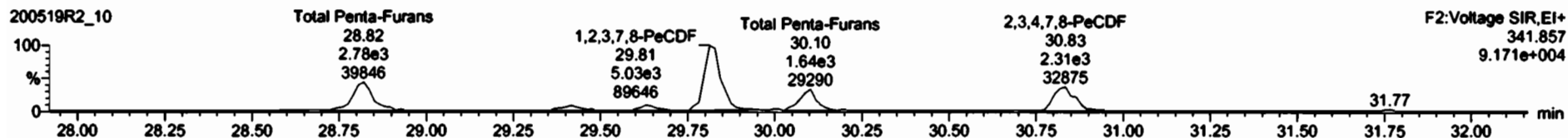
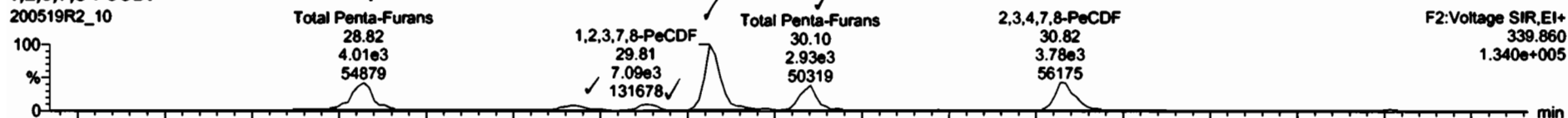


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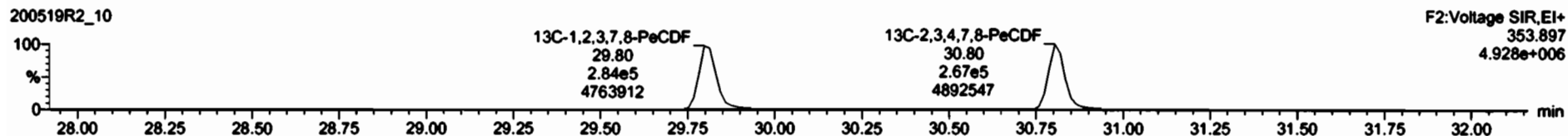
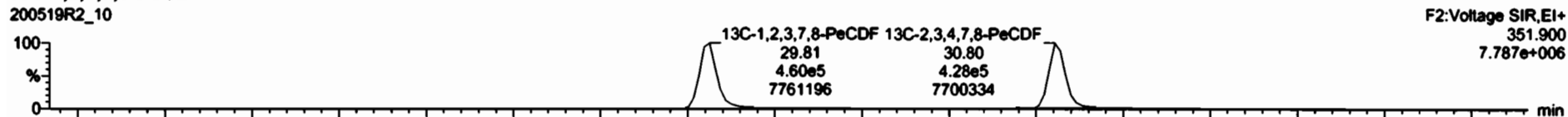
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Name: 200519R2_10, Date: 19-May-2020, Time: 20:28:21, ID: 2000957-05 PDI-147SC-A-07-08-200425 16.47, Description: PDI-147SC-A-07-08-200425

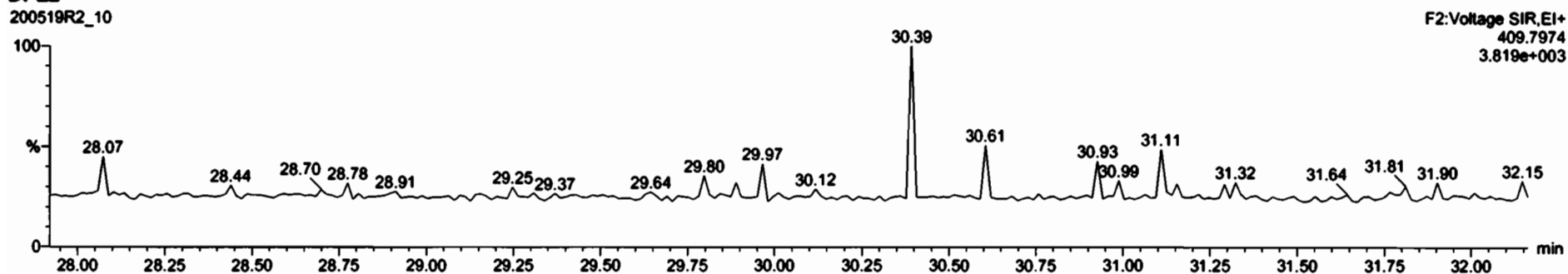
1,2,3,7,8-PeCDF



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



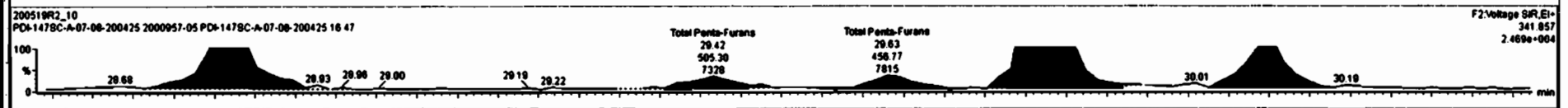
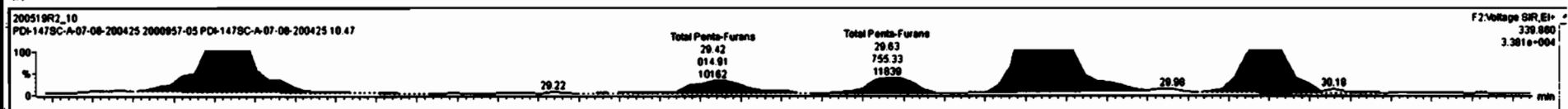
DPE2





Peak	RT	Area	Height	Width	RT	RT	Comp.	Wt%	CL	BPIC
49	Total Tetra-Furans				0.7871	10.033		6.13	0.122	7.22
48	1st Func. Penta-Furans				0.9102	10.033		1.14	0.0313	1.14

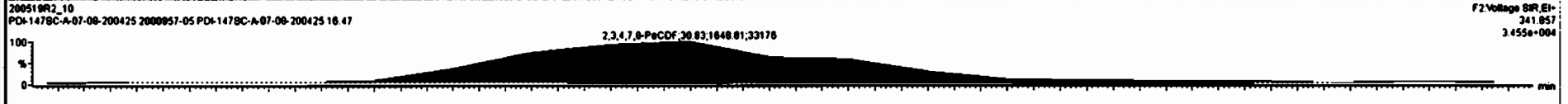
Peak	RT	m1 Resp	m2 Resp	RA	rt	BPIC	Comp.
1	Total Penta-Furans	29.82	3.945e3	2.889e3	1.48	NO	2.0208
2	Total Penta-Furans	29.42	8.148e2	5.053e2	1.81	NO	0.40187
3	Total Penta-Furans	29.63	7.553e2	4.588e2	1.86	NO	0.38878
4	1,2,3,7,8-PeCDF	29.81	7.089e3	5.120e3	1.38	NO	3.5828
5	Total Penta-Furans	30.10	2.830e3	1.841e3	1.72	NO	1.3806
6	2,3,4,7,8-PeCDF	30.82	3.781e3	2.311e3	1.84	NO	1.8088





Comp.	RT/Res	RA	rt	RF	rtRes	RT	RTT	Comp.	%Res	CL	EMPC
03	Total Para-Furane			0.7871	10.033			6.13		0.122	7.22
04	1st Func. Para-Furane			0.8102	10.033			1.14		0.0313	1.14

Comp.	RT/Res	RA	rt	RF	rtRes	RT	RTT	Comp.	%Res	CL	EMPC
1	Total Para-Furane	28.82	3.845e3	2.898e3	1.48	NO	2.0200	2.0200			
2	Total Para-Furane	28.42	8.148e2	5.053e2	1.81	NO	0.40167	0.40167			
3	Total Para-Furane	28.83	7.553e2	4.588e2	1.85	NO	0.38878	0.38878			
4	1,2,3,7-β-PeCDF	28.81	7.088e3	5.120e3	1.38	NO	3.5828	3.5828			
5	Total Para-Furane	30.10	2.830e3	1.841e3	1.72	NO	1.3805	1.3805			
6	2,3,4,7-β-PeCDF	30.82	2.828e3	1.848e3	1.58	NO	1.2881	1.2881			
7	Total Para-Furane	30.85	1.178e3	7.847e2	1.87	NO	0.57272	0.57272			

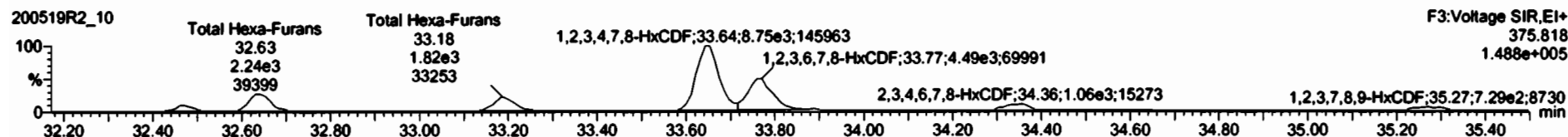
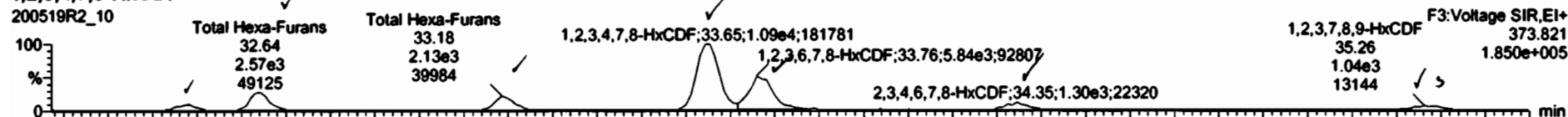


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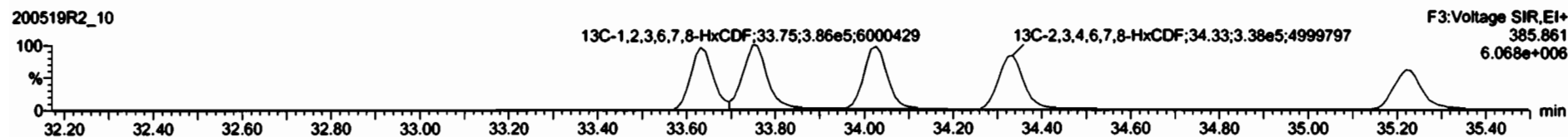
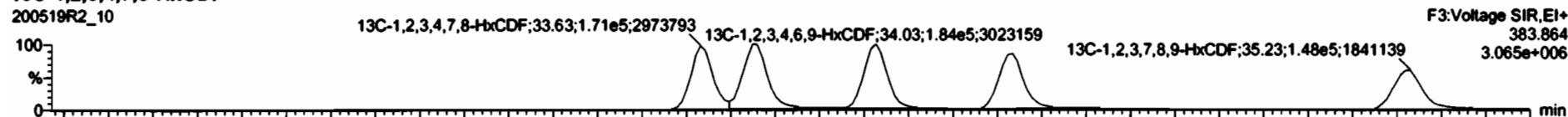
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Name: 200519R2_10, Date: 19-May-2020, Time: 20:28:21, ID: 2000957-05 PDI-147SC-A-07-08-200425 16.47, Description: PDI-147SC-A-07-08-200425

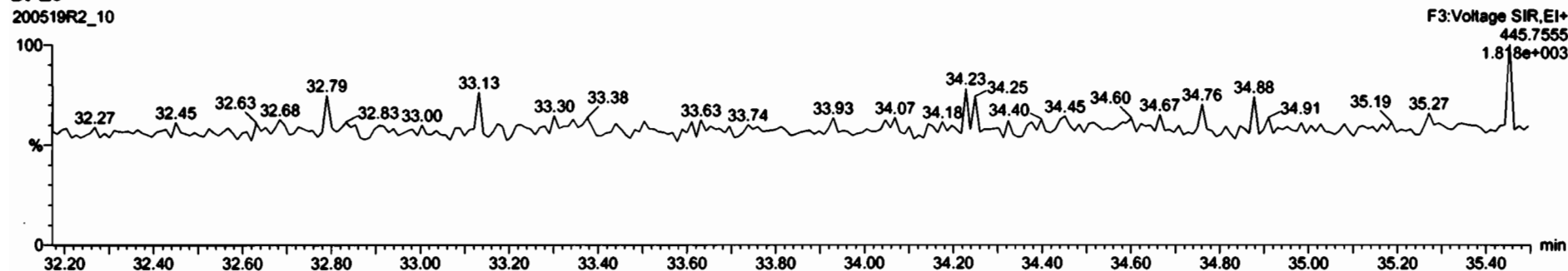
1,2,3,4,7,8-HxCDF

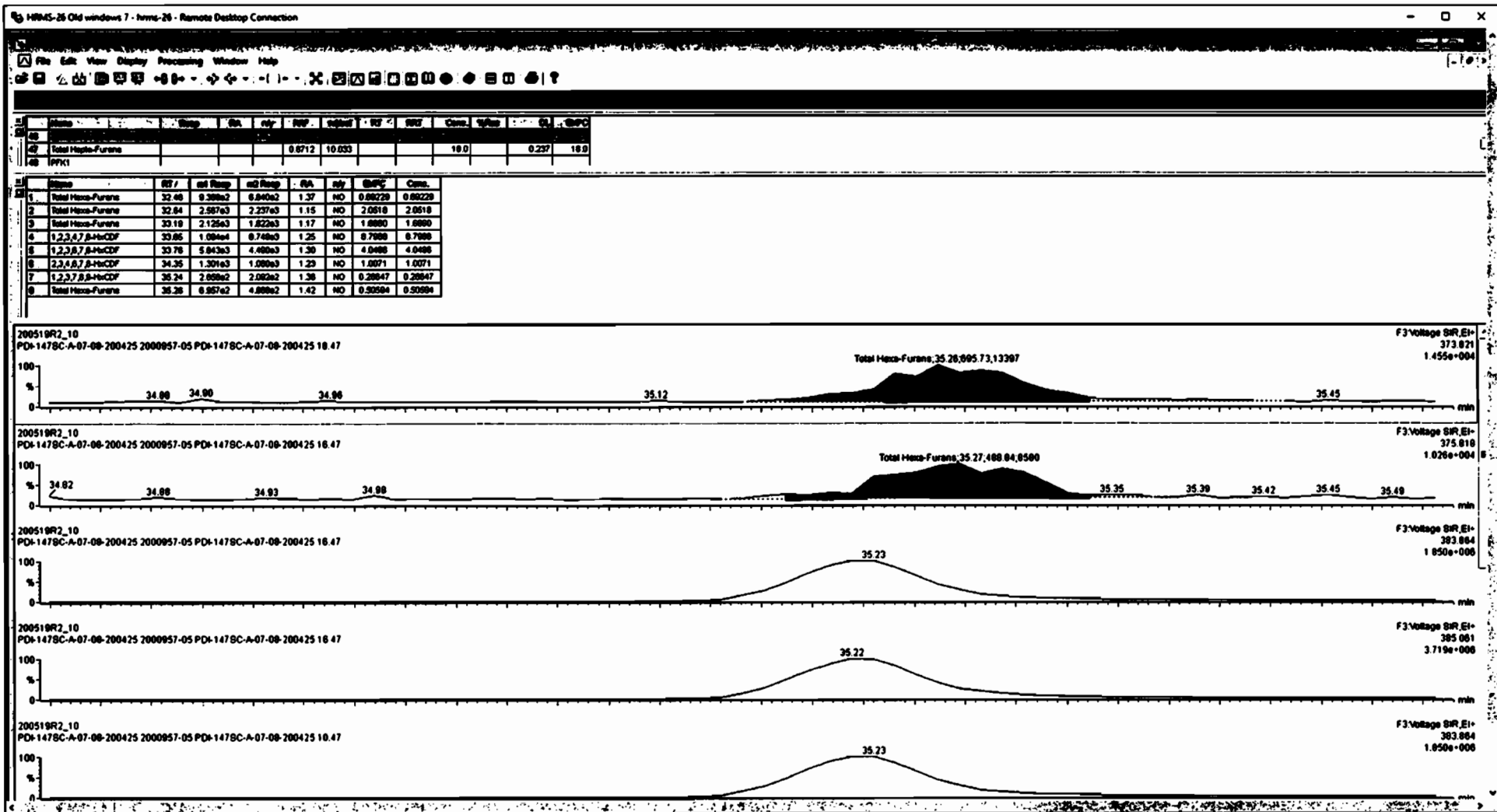


13C-1,2,3,4,7,8-HxCDF



DPE3





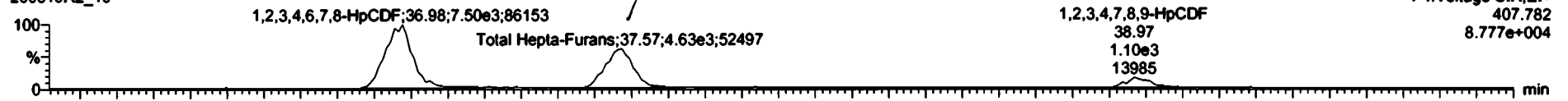
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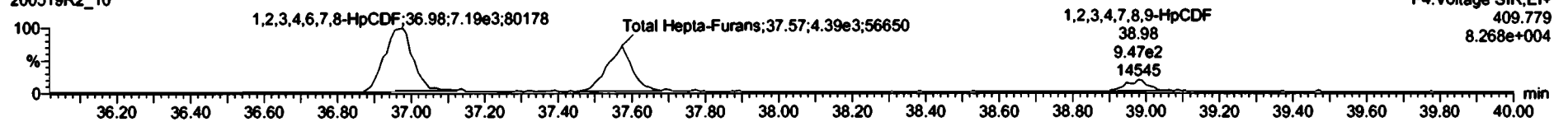
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1,2,3,4,6,7,8-HpCDF

200519R2_10

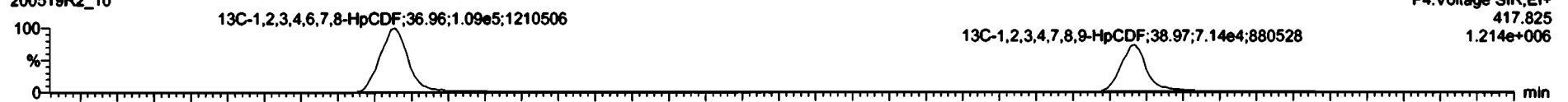


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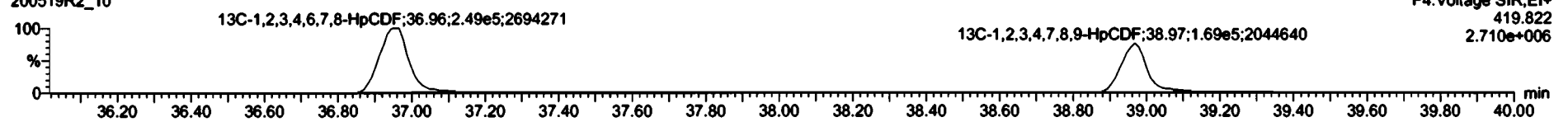


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200519R2_10

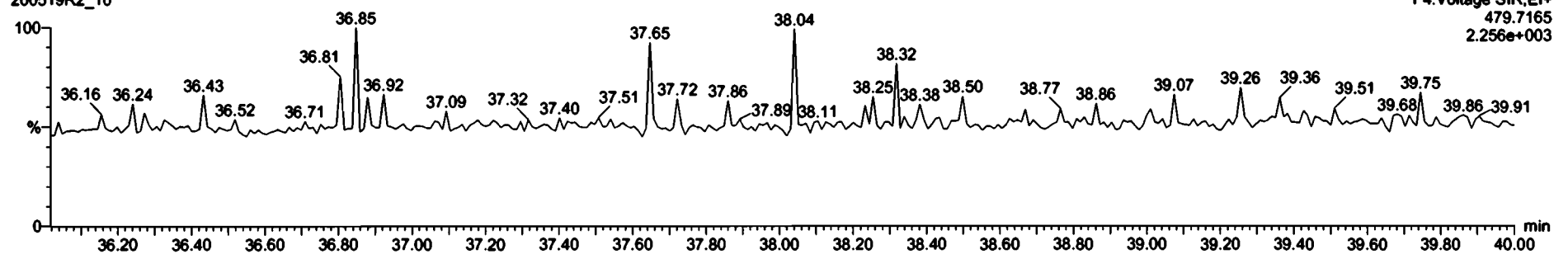


200519R2_10



DPE4

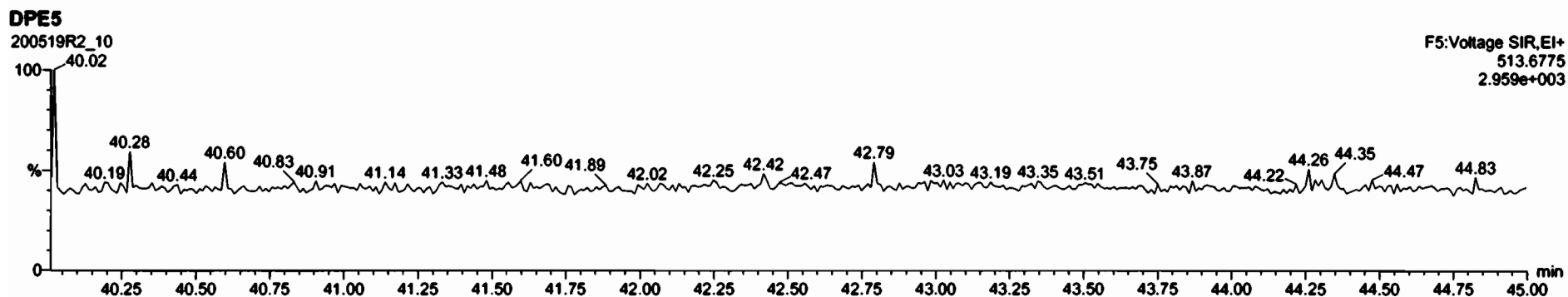
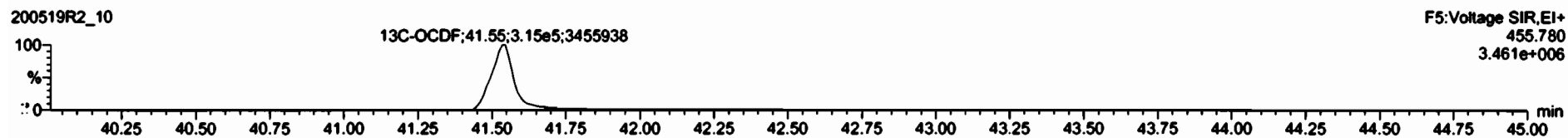
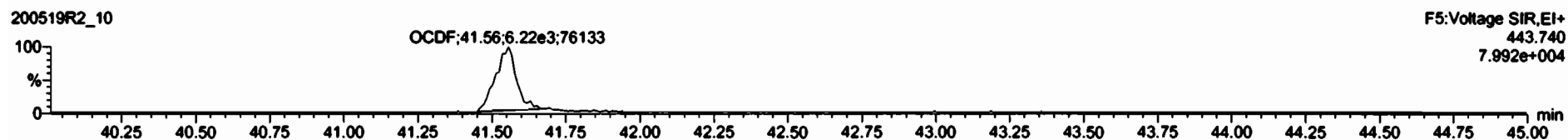
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Name: 200519R2_10, Date: 19-May-2020, Time: 20:28:21, ID: 2000957-05 PDI-147SC-A-07-08-200425 16.47, Description: PDI-147SC-A-07-08-200425

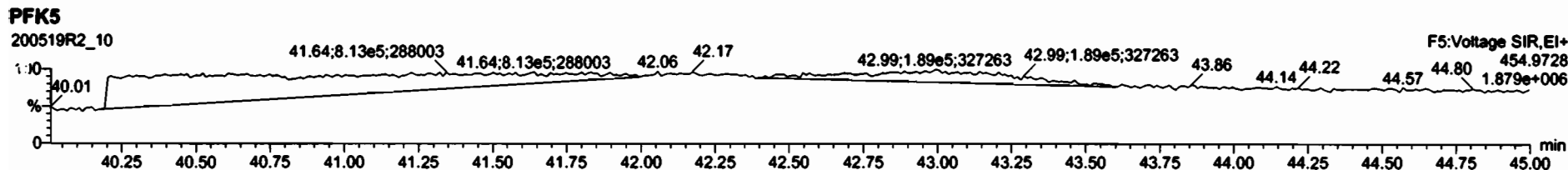
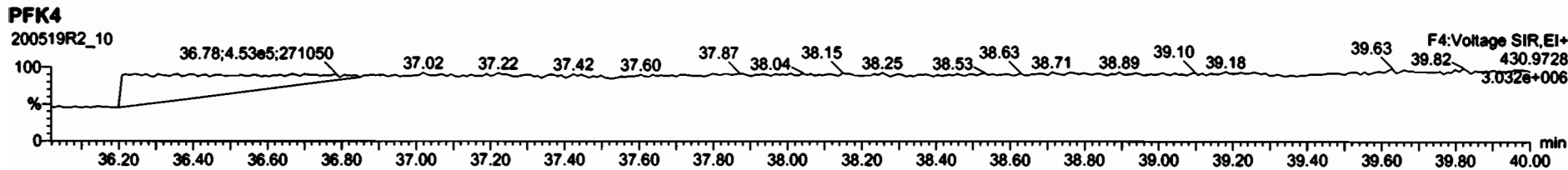
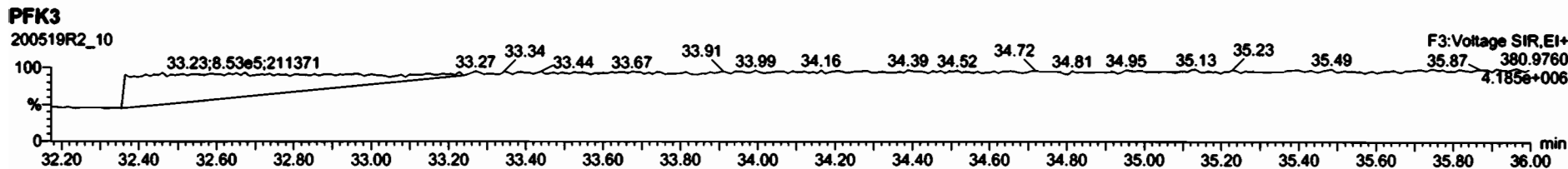
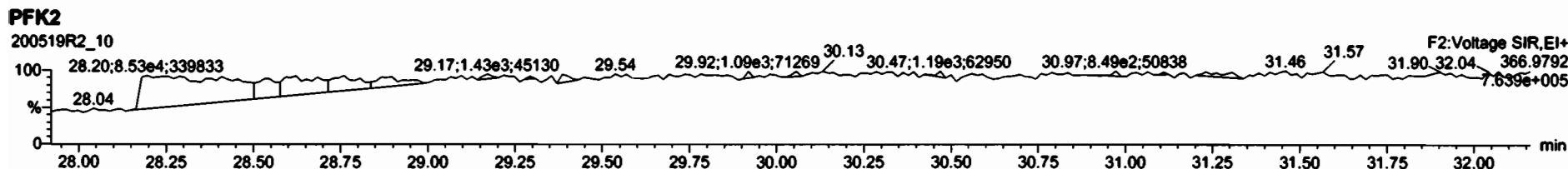
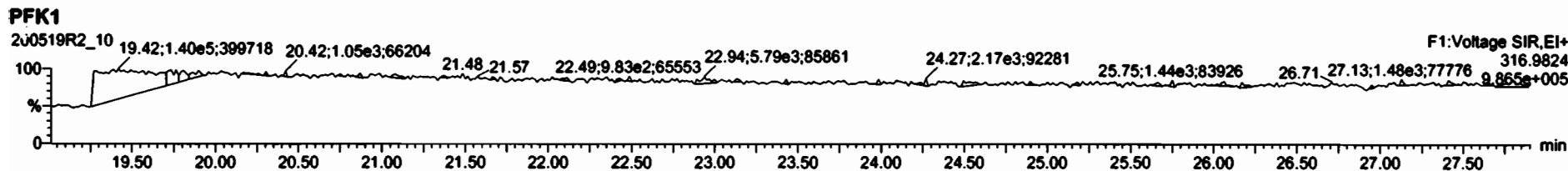


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Name: 200519R2_10, Date: 19-May-2020, Time: 20:28:21, ID: 2000957-05 PDI-147SC-A-07-08-200425 16.47, Description: PDI-147SC-A-07-08-200425



Dataset: U:\VG12.PRO\Results\200521R2\200521R2-4.qld

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GRB 05/22/2020

C7 06/02/2020

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Calibration: U:\VG12.PRO\CurveDB\lb5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200521R2_4, Date: 21-May-2020, Time: 15:24:03, ID: 2000957-06 PDI-147SC-A-08-09-200425 16.24, Description: PDI-147SC-A-08-09-200425

#	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	0.947	10.006	26.036		1.001				0.101	
2	2 1,2,3,7,8-PeCDD			NO	0.942	10.006	31.147		1.001				0.157	
3	3 1,2,3,4,7,8-HxCDD			NO	1.06	10.006	34.505		1.000				0.218	
4	4 1,2,3,6,7,8-HxCDD	3.55e3	1.09	NO	0.915	10.006	34.601	34.61	1.000	1.000	0.98174		0.214	0.982
5	5 1,2,3,7,8,9-HxCDD			NO	0.915	10.006	34.878		1.000				0.266	
6	6 1,2,3,4,6,7,8-HpCDD	5.70e4	1.04	NO	0.898	10.006	38.384	38.38	1.000	1.000	25.855		0.556	25.9
7	7 OCDD	4.12e5	0.88	NO	0.933	10.006	41.354	41.38	1.000	1.001	226.94		0.642	227
8	8 2,3,7,8-TCDF	1.29e4	0.76	NO	0.787	10.006	25.102	25.09	1.001	1.001	2.1988	(2.13)	0.0956	2.20
9	9 1,2,3,7,8-PeCDF	7.61e3	1.48	NO	0.910	10.006	29.819	29.83	1.001	1.001	1.2584		0.0829	1.26
10	10 2,3,4,7,8-PeCDF	5.42e3	1.45	NO	0.966	10.006	30.836	30.83	1.001	1.001	0.88677		0.0756	0.887
11	11 1,2,3,4,7,8-HxCDF	5.46e3	1.24	NO	0.878	10.006	33.632	33.65	1.000	1.001	1.5567		0.110	1.56
12	12 1,2,3,6,7,8-HxCDF	1.94e3	1.35	NO	0.874	10.006	33.759	33.78	1.000	1.001	0.46263		0.0989	0.463
13	13 2,3,4,6,7,8-HxCDF	1.12e3	1.31	NO	0.922	10.006	34.369	34.35	1.001	1.000	0.30401		0.109	0.304
14	14 1,2,3,7,8,9-HxCDF	1.11e3	1.10	NO	0.864	10.006	35.259	35.29	1.001	1.002	0.38529		0.161	0.385
15	15 1,2,3,4,6,7,8-HpCDF	6.29e3	1.00	NO	0.871	10.006	36.981	36.97	1.001	1.001	2.5141		0.179	2.51
16	16 1,2,3,4,7,8,9-HpCDF	8.41e2	1.10	NO	1.01	10.006	38.957	38.97	1.000	1.000	0.43551		0.218	0.436
17	17 OCDF	1.35e4	0.86	NO	0.802	10.006	41.546	41.56	1.000	1.000	7.4296		0.191	7.43
18	18 13C-2,3,7,8-TCDD	1.22e6	0.77	NO	1.16	10.006	26.000	26.00	1.026	1.027	205.13	103	0.345	
19	19 13C-1,2,3,7,8-PeCDD	9.40e5	0.65	NO	0.847	10.006	31.086	31.13	1.227	1.229	216.95	109	0.377	
20	20 13C-1,2,3,4,7,8-HxCDD	6.17e5	1.28	NO	0.750	10.006	34.506	34.49	1.014	1.014	198.40	99.3	0.605	
21	21 13C-1,2,3,6,7,8-HxCDD	7.89e5	1.27	NO	0.963	10.006	34.618	34.60	1.017	1.017	197.56	98.8	0.471	
22	22 13C-1,2,3,7,8,9-HxCDD	6.86e5	1.25	NO	0.838	10.006	34.887	34.87	1.025	1.025	197.29	98.7	0.542	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.90e5	1.02	NO	0.641	10.006	38.378	38.37	1.128	1.128	184.23	92.2	0.522	
24	24 13C-OCDD	7.77e5	0.89	NO	0.586	10.006	41.372	41.35	1.216	1.215	319.30	79.9	0.522	
25	25 13C-2,3,7,8-TCDF	1.49e6	0.76	NO	1.03	10.006	25.060	25.08	0.989	0.990	204.18	102	0.402	
26	26 13C-1,2,3,7,8-PeCDF	1.33e6	1.58	NO	0.845	10.006	29.777	29.80	1.176	1.176	222.77	111	0.584	
27	27 13C-2,3,4,7,8-PeCDF	1.26e6	1.56	NO	0.814	10.006	30.767	30.81	1.215	1.216	220.12	110	0.607	
28	28 13C-1,2,3,4,7,8-HxCDF	7.98e5	0.50	NO	1.00	10.006	33.645	33.63	0.989	0.988	191.49	95.8	0.593	
29	29 13C-1,2,3,6,7,8-HxCDF	9.58e5	0.52	NO	1.14	10.006	33.767	33.75	0.992	0.992	203.06	102	0.524	
30	30 13C-2,3,4,6,7,8-HxCDF	8.02e5	0.51	NO	1.02	10.006	34.336	34.33	1.009	1.009	189.02	94.6	0.583	
31	31 13C-1,2,3,7,8,9-HxCDF	6.69e5	0.52	NO	0.845	10.006	35.227	35.22	1.035	1.035	190.87	95.5	0.705	

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-4.qld

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3: (D: 20) Name: 200521R2_4, Date: 21-May-2020, Time: 15:24:03, ID: 2000957-06 PDI-147SC-A-08-09-200425 16.24, Description: PDI-147SC-A-08-09-200425

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	5.74e5	0.43	NO	0.771	10.006	36.959	36.94	1.086	1.086	179.35	89.7	0.520	
33	33 13C-1,2,3,4,7,8,9-HpCDF	3.82e5	0.40	NO	0.482	10.006	38.970	38.96	1.145	1.145	190.69	95.4	0.832	
34	34 13C-OCDF	9.03e5	0.86	NO	0.669	10.006	41.542	41.55	1.221	1.221	325.65	81.5	0.314	
35	35 37Cl-2,3,7,8-TCDD	4.84e5			1.10	10.006	26.030	26.03	1.028	1.028	86.253	108	0.0663	
36	36 13C-1,2,3,4-TCDD	1.02e6	0.80	NO	1.00	10.006	25.350	25.33	1.000	1.000	199.87	100	0.400	
37	37 13C-1,2,3,4-TCDF	1.41e6	0.78	NO	1.00	10.006	23.560	23.53	1.000	1.000	199.87	100	0.416	
38	38 13C-1,2,3,4,6,9-HxCDF	8.29e5	0.51	NO	1.00	10.006	34.000	34.03	1.000	1.000	199.87	100	0.596	
39	39 Total Tetra-Dioxins				0.947	10.006	24.620		0.000		0.17538		0.101	0.175
40	40 Total Penta-Dioxins				0.942	10.006	29.960		0.000		0.35650		0.157	0.357
41	41 Total Hexa-Dioxins				0.915	10.006	33.635		0.000		10.372		0.243	10.4
42	42 Total Hepta-Dioxins				0.898	10.006	37.640		0.000		70.224		0.556	70.2
43	43 Total Tetra-Furans				0.787	10.006	23.610		0.000		7.5775		0.0956	7.58
44	44 1st Func. Penta-Furans				0.910	10.006	27.090		0.000		1.2519		0.0446	1.25
45	45 Total Penta-Furans				0.910	10.006	29.275		0.000		4.7292		0.0816	4.83
46	46 Total Hexa-Furans				0.922	10.006	33.555		0.000		5.9833		0.112	5.98
47	47 Total Hepta-Furans				0.871	10.006	37.835		0.000		8.6933		0.208	8.69

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-4.qld

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Method: Untitled 29 Apr 2020 14:28:02

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200521R2_4, Date: 21-May-2020, Time: 15:24:03, ID: 2000957-06 PDI-147SC-A-08-09-200425 16.24, Description: PDI-147SC-A-08-09-200425

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	21.84	6.265e3	6.706e3	4.569e2	5.543e2	0.82	NO	1.011e3	0.17538	0.17538	0.101

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.85	7.167e3	1.220e4	6.366e2	9.435e2	0.67	NO	1.580e3	0.35650	0.35650	0.157

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.03	1.324e5	1.144e5	6.880e3	5.775e3	1.19	NO	1.265e4	3.9651	3.9651	0.243
2	Total Hexa-Dioxins	33.58	1.494e4	1.187e4	7.660e2	5.777e2	1.33	NO	1.344e3	0.42104	0.42104	0.243
3	Total Hexa-Dioxins	33.85	1.133e5	8.954e4	8.035e3	6.301e3	1.28	NO	1.434e4	4.4920	4.4920	0.243
4	Total Hexa-Dioxins	33.94	1.257e4	1.379e4	8.415e2	7.927e2	1.06	NO	1.634e3	0.51204	0.51204	0.243
5	1,2,3,6,7,8-HxCDD	34.61	3.267e4	3.015e4	1.847e3	1.699e3	1.09	NO	3.546e3	0.98174	0.98174	0.214

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.35	6.706e5	6.436e5	4.983e4	4.792e4	1.04	NO	9.775e4	44.369	44.369	0.556
2	1,2,3,4,6,7,8-HpCDD	38.38	3.710e5	3.576e5	2.910e4	2.786e4	1.04	NO	5.696e4	25.855	25.855	0.556

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-4.qld

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3: HDI-200521R2-4.qld, Date: 12 May 2020, Time: 15:21:03, HDI-200521R2-4.qld, PDI-147SG-A-08-09-200425 16.24, Description: PDI-147SG-A-08-09-200425

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.87	1.841e4	1.786e4	1.404e3	1.592e3	0.88	NO	2.995e3	0.51078	0.51078	0.0956
2	Total Tetra-Furans	21.81	2.066e4	2.410e4	1.824e3	2.251e3	0.81	NO	4.076e3	0.69506	0.69506	0.0956
3	Total Tetra-Furans	22.29	8.937e3	1.228e4	6.435e2	8.685e2	0.74	NO	1.512e3	0.25785	0.25785	0.0956
4	Total Tetra-Furans	23.46	6.557e3	7.831e3	3.662e2	4.958e2	0.74	NO	8.620e2	0.14700	0.14700	0.0956
5	Total Tetra-Furans	23.57	1.558e4	2.552e4	1.732e3	2.279e3	0.76	NO	4.011e3	0.68395	0.68395	0.0956
6	Total Tetra-Furans	24.10	6.403e4	8.179e4	5.587e3	7.506e3	0.74	NO	1.309e4	2.2327	2.2327	0.0956
7	Total Tetra-Furans	24.99	1.488e4	2.062e4	9.523e2	1.264e3	0.75	NO	2.216e3	0.37797	0.37797	0.0956
8	2,3,7,8-TCDF	25.09	7.293e4	9.319e4	5.575e3	7.318e3	0.76	NO	1.289e4	2.1988	2.1988	0.0956
9	Total Tetra-Furans	25.48	8.323e3	8.922e3	4.997e2	5.741e2	0.87	NO	1.074e3	0.18312	0.18312	0.0956
10	Total Tetra-Furans	27.20	1.156e4	1.388e4	7.175e2	9.841e2	0.73	NO	1.702e3	0.29019	0.29019	0.0956

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	27.16	6.055e4	4.929e4	4.389e3	2.995e3	1.47	NO	7.384e3	1.2519	1.2519	0.0446

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.65	6.485e3	6.925e3	3.556e2	3.514e2	1.01	YES	0.000e0	0.00000	0.099178	0.0816
2	Total Penta-Furans	28.82	5.787e4	3.514e4	4.373e3	2.772e3	1.58	NO	7.146e3	1.2115	1.2115	0.0816
3	Total Penta-Furans	29.42	1.616e4	1.412e4	1.118e3	7.647e2	1.46	NO	1.882e3	0.31911	0.31911	0.0816
4	Total Penta-Furans	29.63	1.384e4	9.921e3	8.104e2	5.869e2	1.38	NO	1.397e3	0.23691	0.23691	0.0816
5	1,2,3,7,8-PeCDF	29.83	7.929e4	5.242e4	4.535e3	3.071e3	1.48	NO	7.605e3	1.2584	1.2584	0.0829
6	Total Penta-Furans	30.09	4.246e4	2.848e4	2.324e3	1.595e3	1.46	NO	3.919e3	0.66447	0.66447	0.0816
7	2,3,4,7,8-PeCDF	30.83	5.120e4	3.454e4	3.204e3	2.212e3	1.45	NO	5.416e3	0.88677	0.88677	0.0756
8	Total Penta-Furans	30.87	2.513e4	2.112e4	5.565e2	3.408e2	1.63	NO	8.973e2	0.15213	0.15213	0.0816

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-4.qld

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3-105-200957-06 PDI-TW56-A-08-09-200425-1624, Description: PDI-14750-A-08-09-200425
 200521R2_4, Date: 05/22/2020, Time: 13:24:03, PDI-200957-06 PDI-TW56-A-08-09-200425-1624, Description: PDI-14750-A-08-09-200425
 200521R2_4

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.47	1.749e4	1.468e4	8.619e2	7.950e2	1.08	NO	1.657e3	0.44532	0.44532	0.112
2	Total Hexa-Furans	32.63	4.506e4	4.448e4	2.266e3	2.037e3	1.11	NO	4.303e3	1.1564	1.1564	0.112
3	Total Hexa-Furans	33.21	5.996e4	5.395e4	3.435e3	2.789e3	1.23	NO	6.224e3	1.6729	1.6729	0.112
4	1,2,3,4,7,8-HxCDF	33.65	5.599e4	4.843e4	3.029e3	2.433e3	1.24	NO	5.462e3	1.5567	1.5567	0.110
5	1,2,3,6,7,8-HxCDF	33.78	1.915e4	1.884e4	1.114e3	8.234e2	1.35	NO	1.938e3	0.46263	0.46263	0.0989
6	2,3,4,6,7,8-HxCDF	34.35	1.056e4	7.048e3	6.366e2	4.875e2	1.31	NO	1.124e3	0.30401	0.30401	0.109
7	1,2,3,7,8,9-HxCDF	35.29	7.912e3	7.540e3	5.829e2	5.317e2	1.10	NO	1.115e3	0.38529	0.38529	0.161

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	36.97	4.391e4	4.540e4	3.149e3	3.140e3	1.00	NO	6.289e3	2.5141	2.5141	0.179
2	Total Hepta-Furans	37.56	7.846e4	7.697e4	6.143e3	5.819e3	1.06	NO	1.196e4	5.7437	5.7437	0.208
3	1,2,3,4,7,8,9-HpCDF	38.97	7.700e3	5.454e3	4.415e2	3.997e2	1.10	NO	8.412e2	0.43551	0.43551	0.218

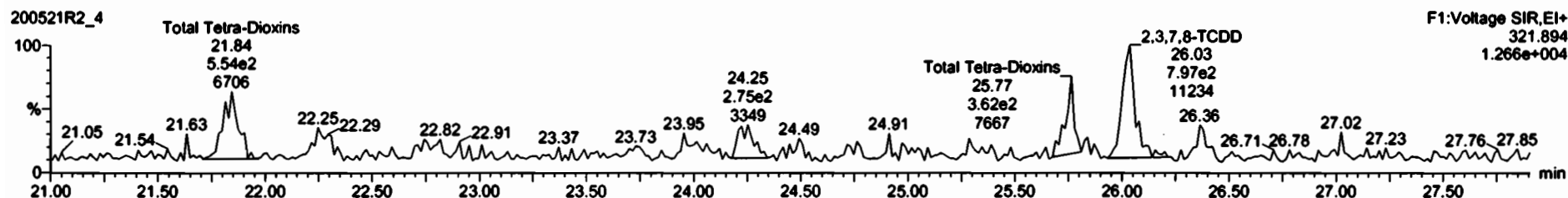
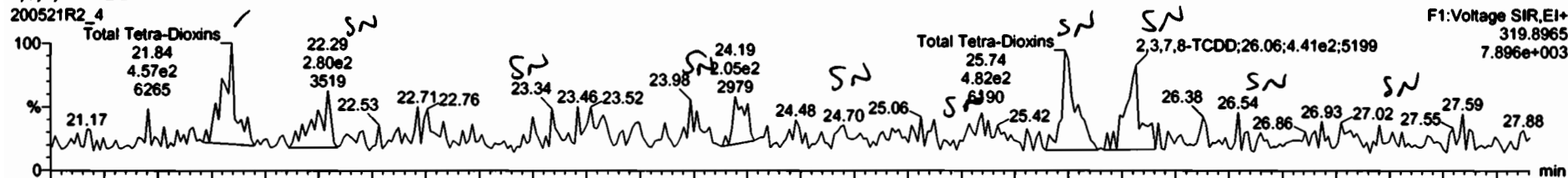
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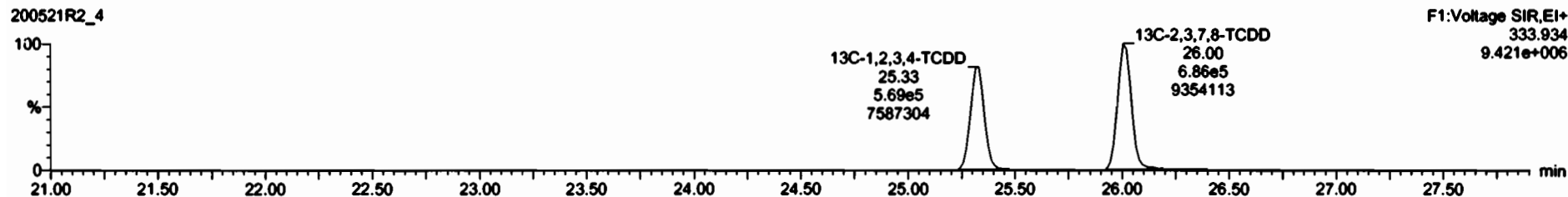
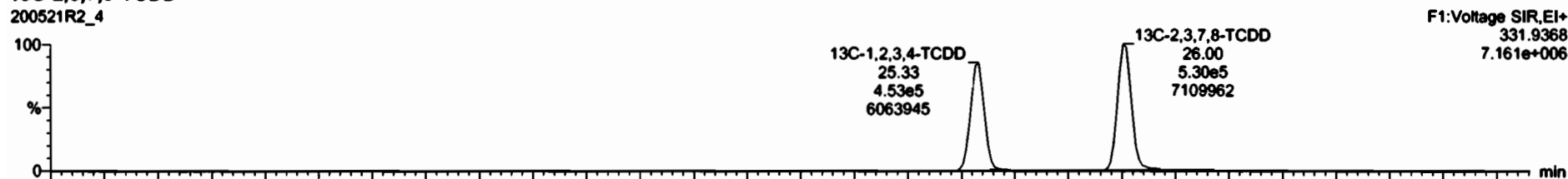
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Name: 200521R2_4, Date: 21-May-2020, Time: 15:24:03, ID: 2000957-06 PDI-147SC-A-08-09-200425 16.24, Description: PDI-147SC-A-08-09-200425

2,3,7,8-TCDD

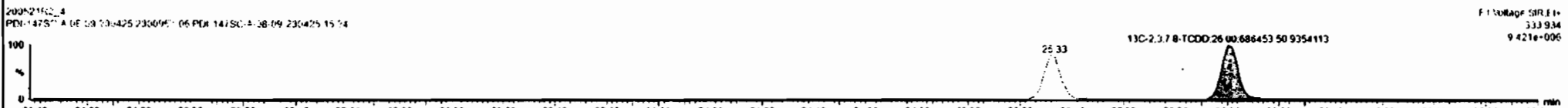
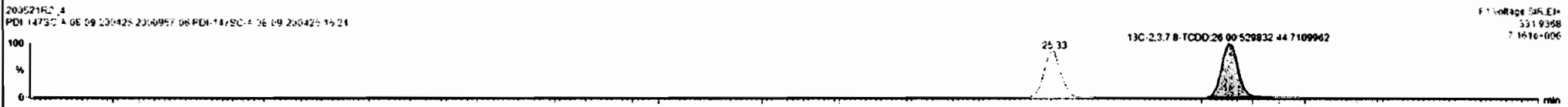
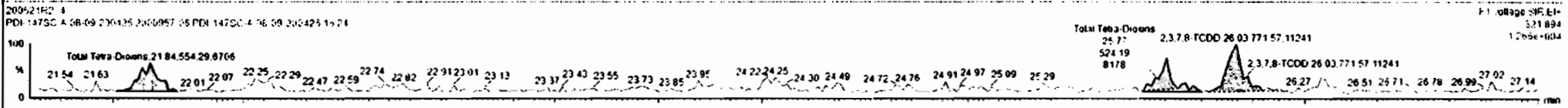
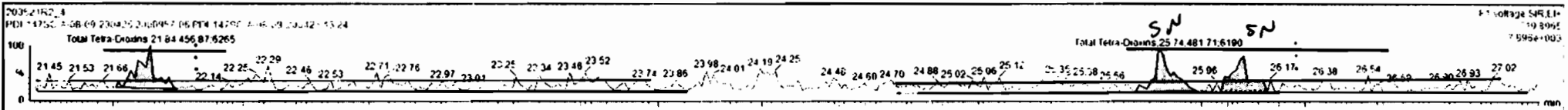


13C-2,3,7,8-TCDD



Name	Resp	RA	aly	RRF	WVOL	RT	RRT	Conc	%Rec	DI	EMPC
Total Tetra-Chlorins				0.0025	10.000			0.178	0.100	0.000	0.000
Total Penta-Chlorins				0.0425	10.000			0.135	0.157	0.744	

Name	RT	ref Resp	std Resp	RA	aly	EMPC	Conc
1 Total Tetra-Chlorins	21.84	4.569e2	5.543e2	0.82	NO	0.17518	0.17538
2 Total Tetra-Chlorins	25.74	4.817e2	5.242e2	0.92	YES	0.16092	0.00000
3 2,3,7,8-TCDD	26.06	4.846e2	7.716e2	0.52	YES	0.16129	0.00000

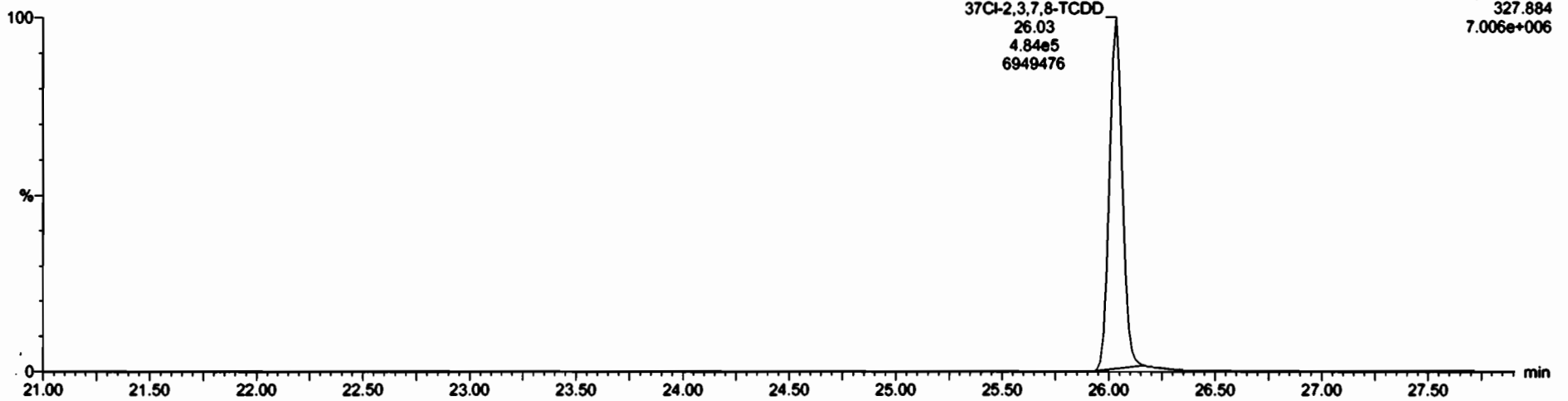


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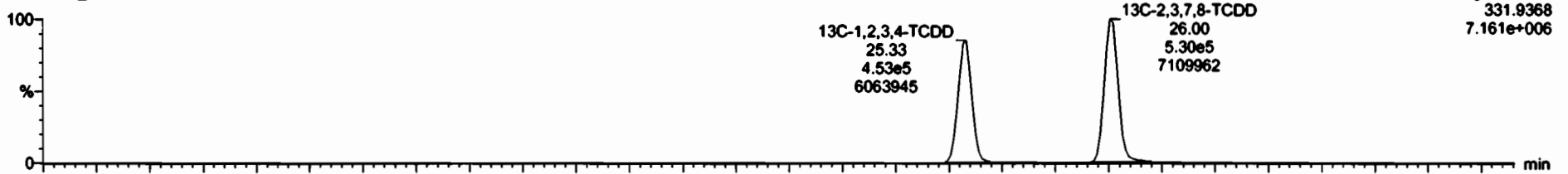
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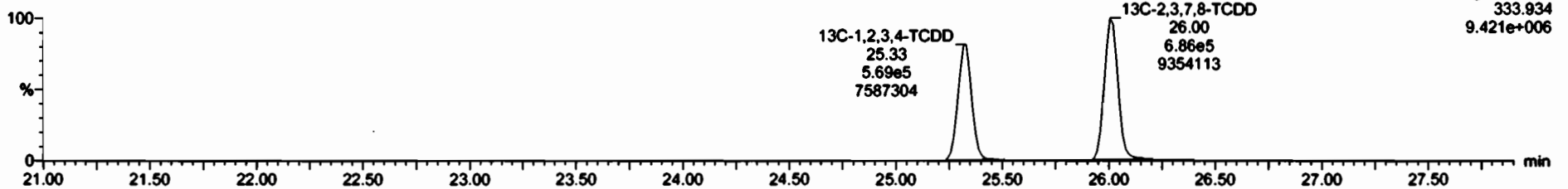
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200521R2_4



13C-1,2,3,4-TCDD
200521R2_4



200521R2_4



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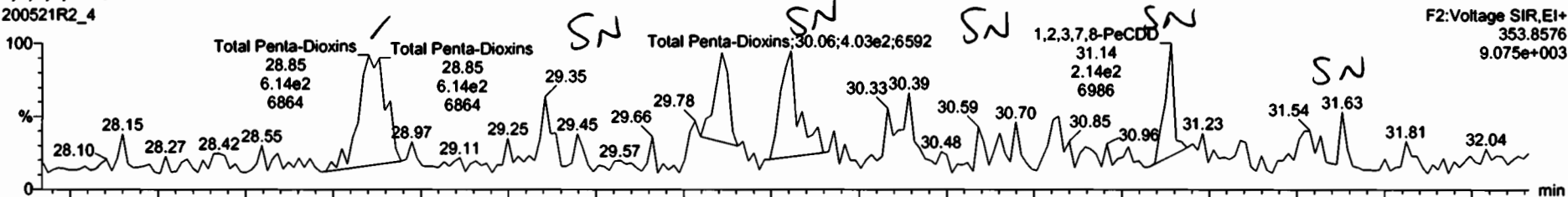
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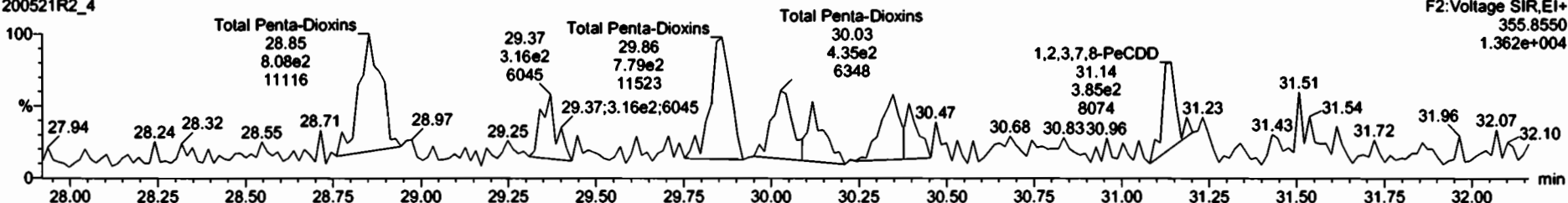
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200521R2_4



F2:Voltage SIR,EI+
353.8576
9.075e+003

200521R2_4



F2:Voltage SIR,EI+
355.8550
1.362e+004

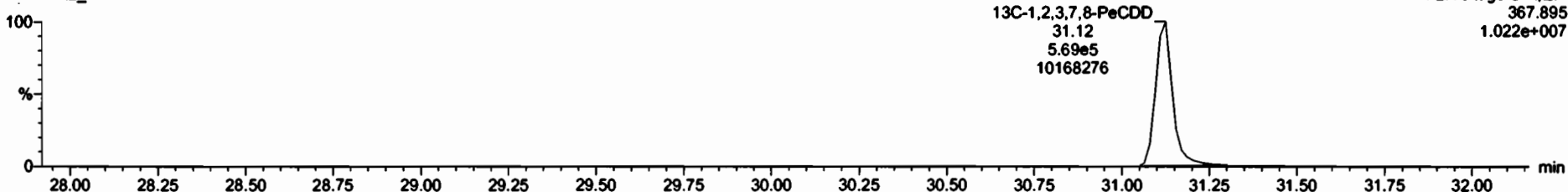
13C-1,2,3,7,8-PeCDD

200521R2_4



F2:Voltage SIR,EI+
365.8978
6.540e+006

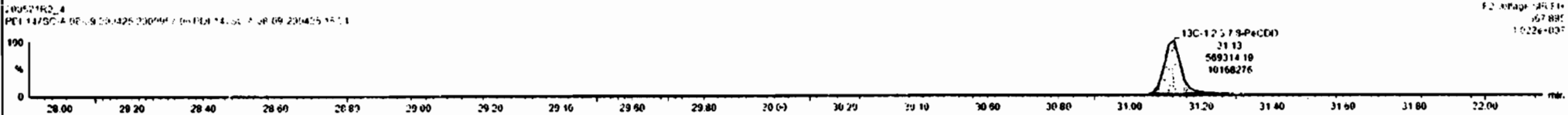
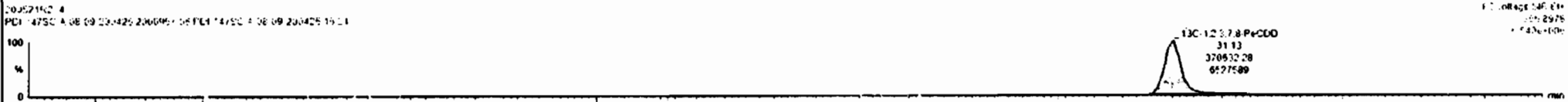
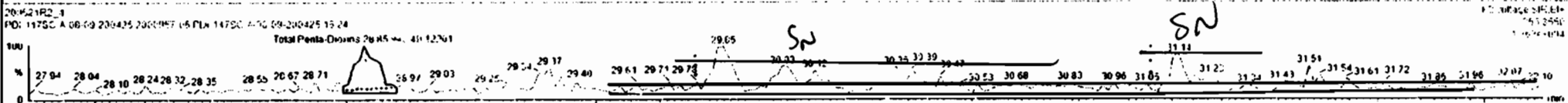
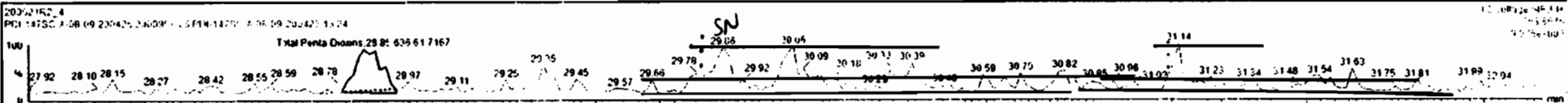
200521R2_4



F2:Voltage SIR,EI+
367.895
1.022e+007

#J	Name	Resp	SA	inj	REP	inhal	RT	RRT	Conc.	%Rec	DL	EMPC
39	Total Tetra-Dioxins				0.9475	10.000			0.175		0.101	0.175
40	Total Penta-Dioxins				0.9428	10.000			0.387		0.137	0.387

#J	Name	RT	inj Resp	in2 Resp	RA	inj	EMPC	Conc.
21	Total Penta-Dioxins	29.85	6.346e2	9.425e2	0.67	100	0.35850	0.75650



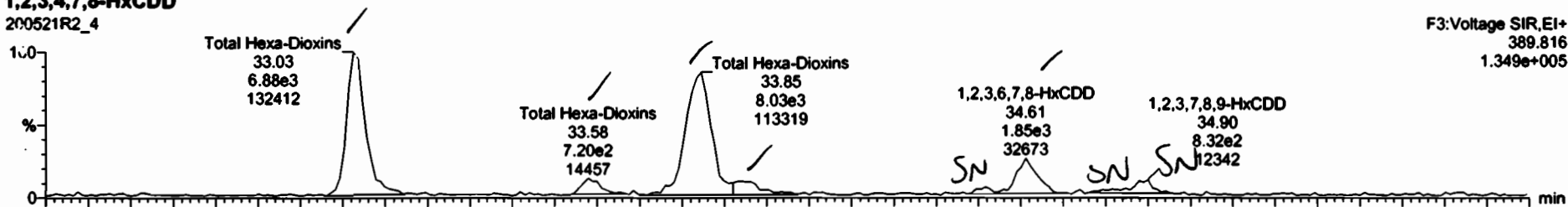
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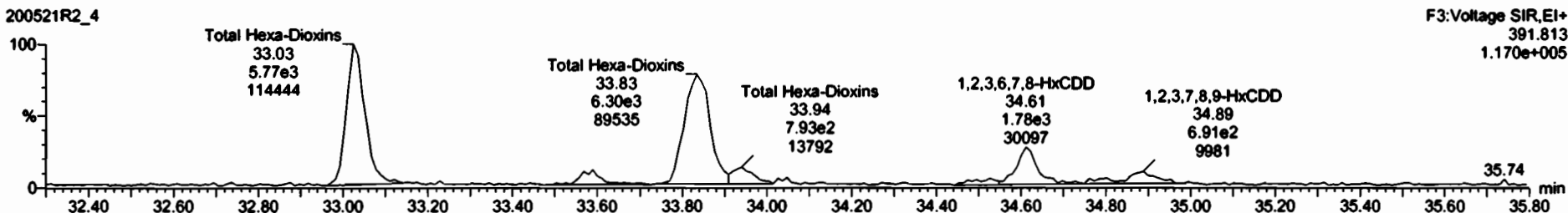
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1,2,3,4,7,8-HxCDD

200521R2_4

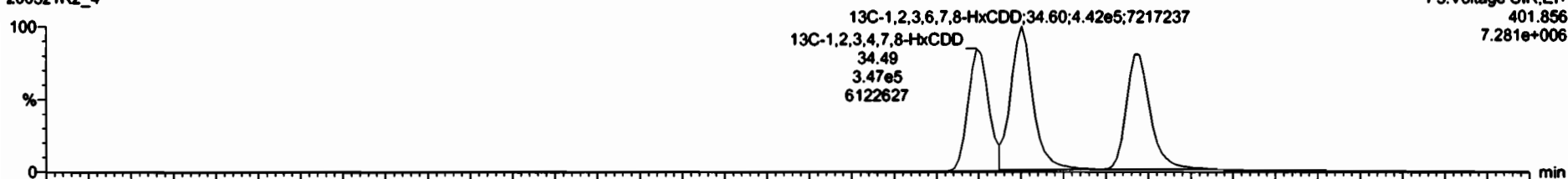


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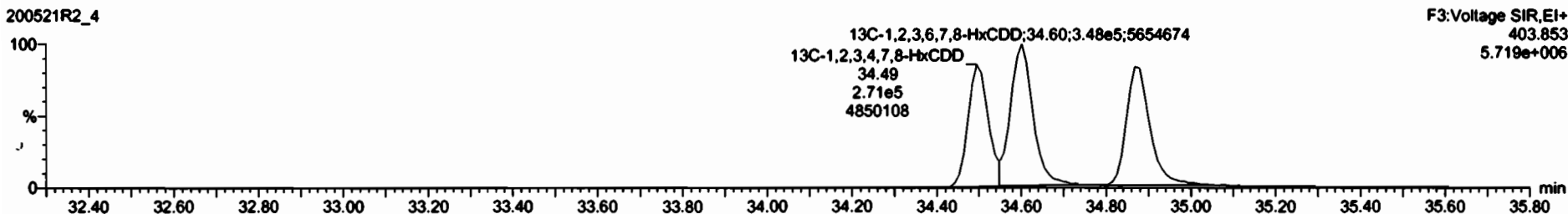


13C-1,2,3,4,7,8-HxCDD

200521R2_4



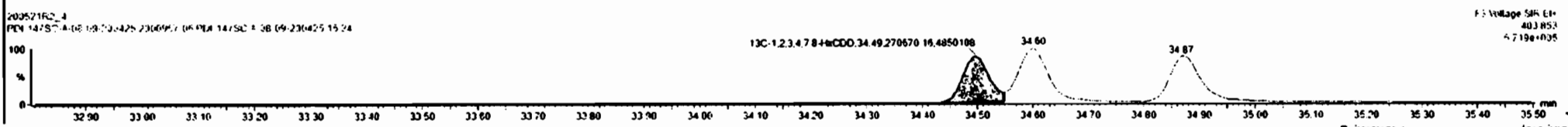
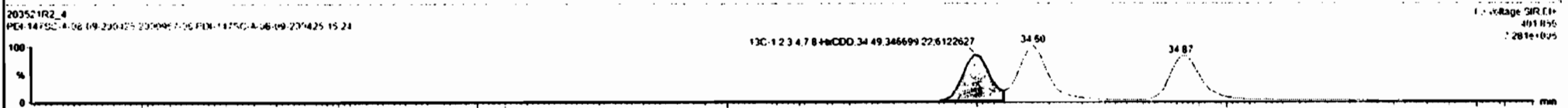
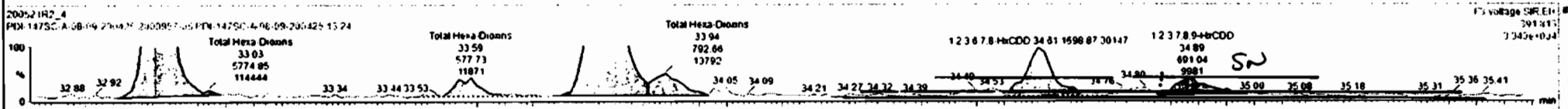
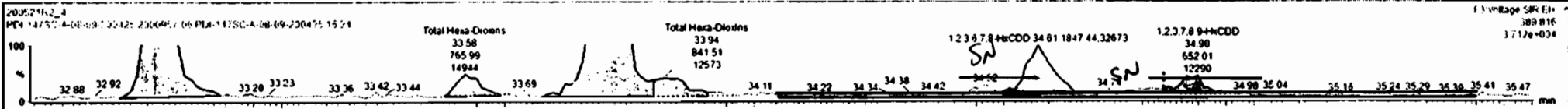
200521R2_4





Name	Resp	RA	dy	RF	RFW	RT	RTT	Conc	%Rec	DL	EMPC
00 Total Hexa-Chloro				0.942E	10.00E			0.357		0.157	0.317
01 1,2,3,4,6-HxCDD				0.000E	0.000E			0.0		0.000	0.0

Name	RT	nt Resp	nt Resp	RA	dy	EMPC	Conc
1 Total Hexa-Chloro	33.02	6.880e3	5.775e3	1.15	NO	3.9651	7.9651
2 Total Hexa-Chloro	33.58	7.690e2	5.777e2	1.32	NO	0.42104	0.42104
3 Total Hexa-Chloro	33.85	6.035e3	6.301e3	1.28	NO	4.4920	4.4920
4 Total Hexa-Chloro	33.94	8.415e2	7.927e2	1.06	NO	0.51204	0.51204
5 1,2,3,6,7,8-HxCDD	34.61	1.647e3	1.699e3	1.09	NO	0.96174	0.96174
6 1,2,3,7,8-HxCDD	34.50	6.520e2	6.910e2	0.94	ES	0.37525	0.00000



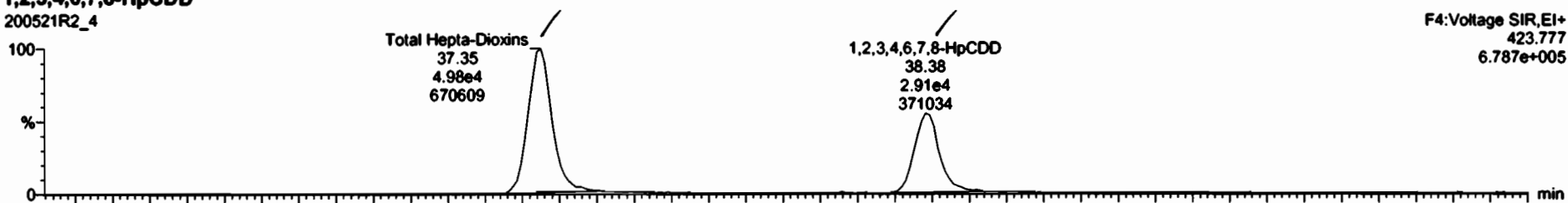
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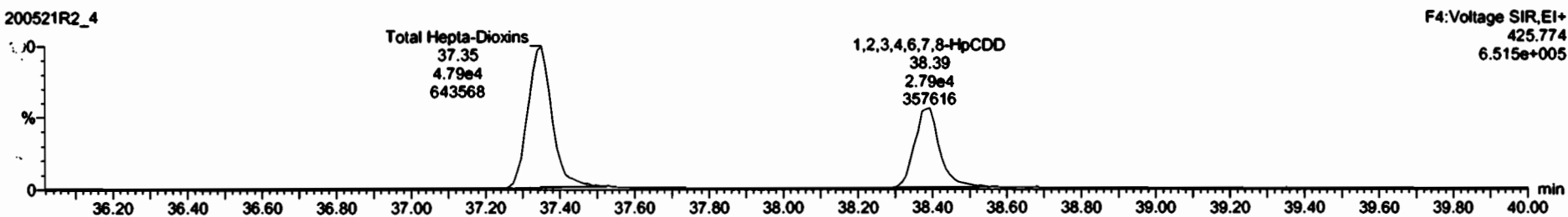
Name: 200521R2_4, Date: 21-May-2020, Time: 15:24:03, ID: 2000957-06 PDI-147SC-A-08-09-200425 16.24, Description: PDI-147SC-A-08-09-200425

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

200521R2_4



200521R2_4

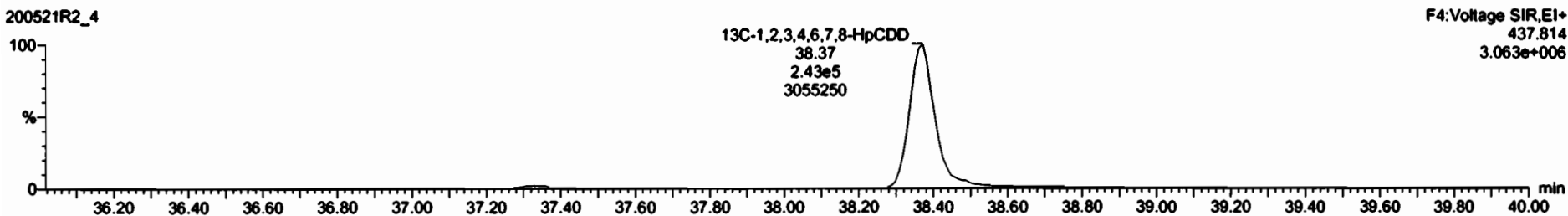


13C-1,2,3,4,6,7,8-HpCDD

200521R2_4



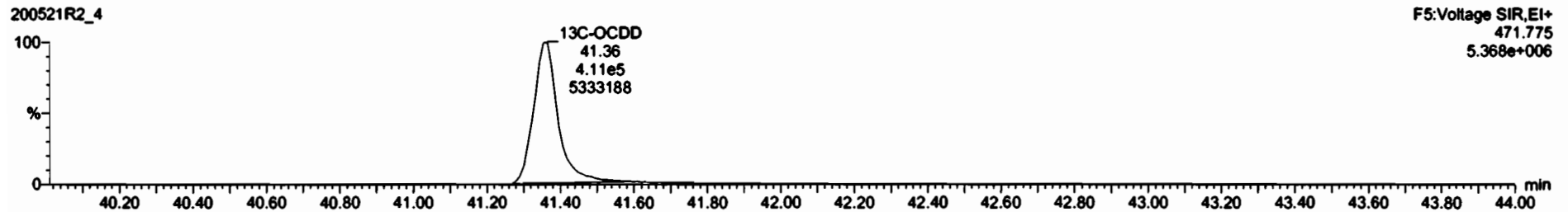
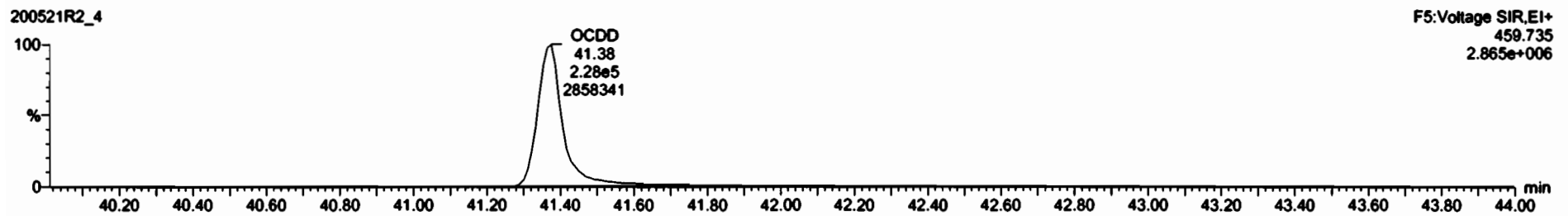
200521R2_4



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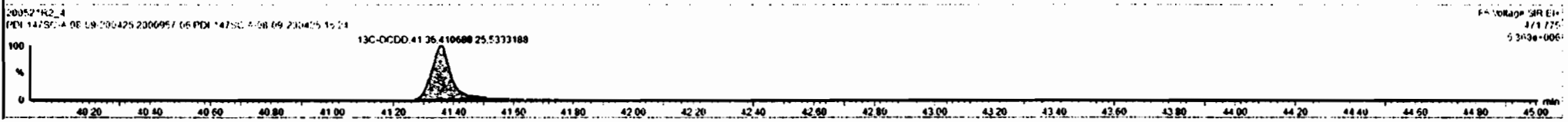
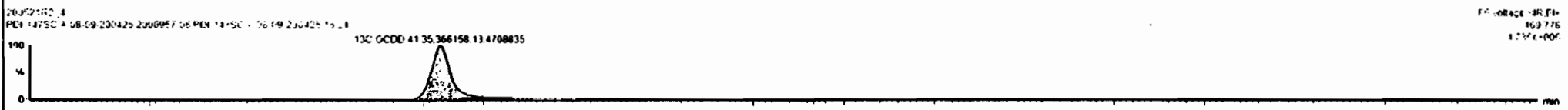
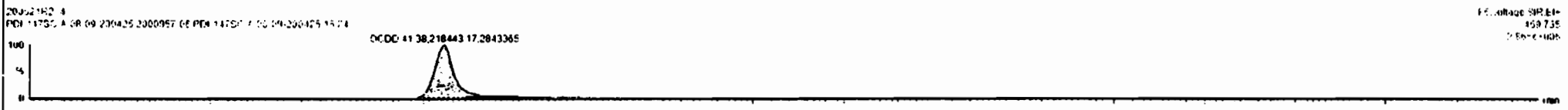
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#	Name	Resp	RA	ely	RSP	Weight	RT	RRT	Comp	%Rec	DL	EMPC
7	OCDD	4.12e8	0.88	NO	0.8835	10.000	41.38	1.200			0.000	227
8	2,3,7,8-TCDF	1.26e4	0.75	NO	0.7871	13.000	25.09	1.001	2.30		0.0050	2.70

#	Name	RT	m1 Resp	m2 Resp	RA	ely	EMPC	Comp.
1								

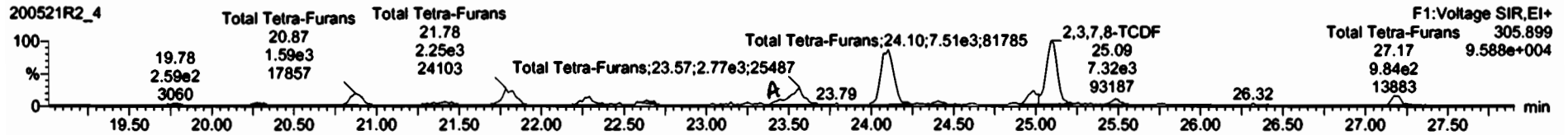
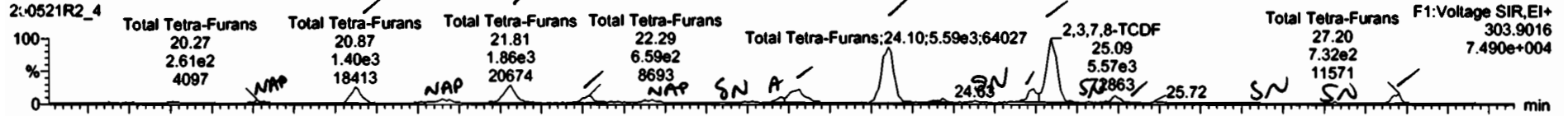


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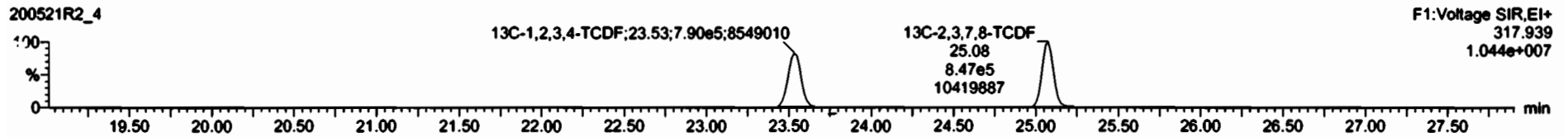
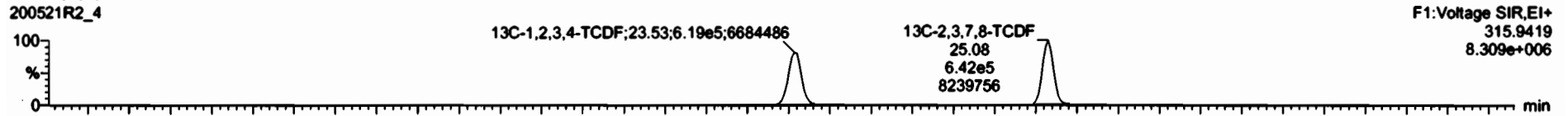
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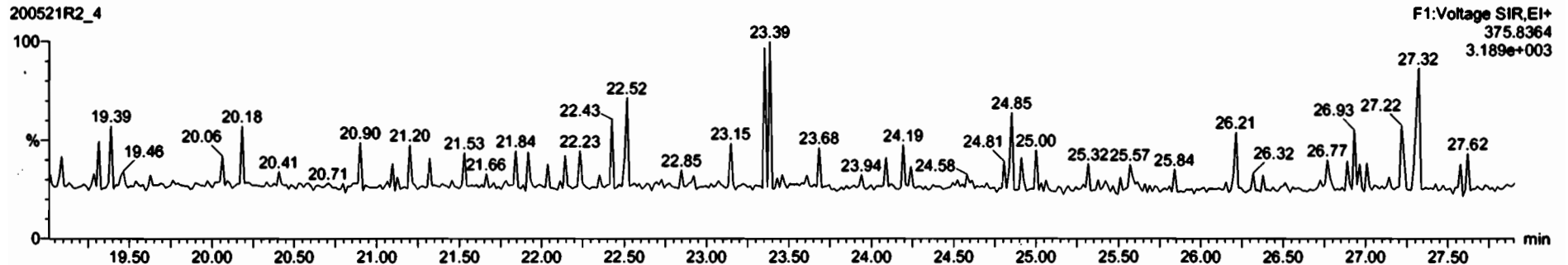
2,3,7,8-TCDF



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



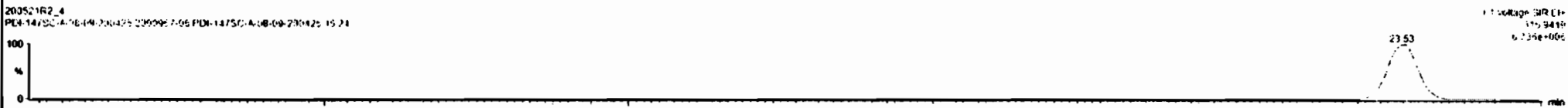
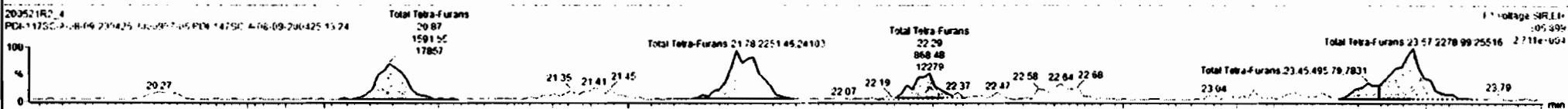
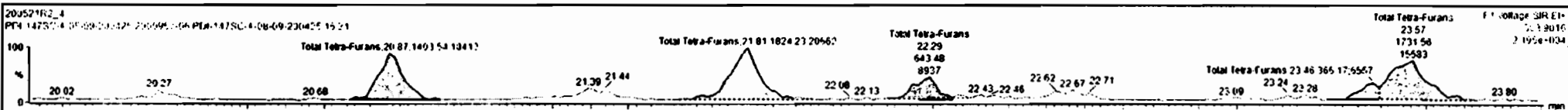
DPE1





Name	Resp	RA	aly	RF	uval	RT	RRT	Conc.	%Rec	GL	EMPC
42 Total Tetra-Furans				0.0975	19.80E			70.2		0.556	70.2
43 Total Tetra-Furans				0.0975	19.80E			7.40		0.0000	17.20

Name	RT	int Resp	int Resp	RA	aly	EMPC	Conc
1 Total Tetra-Furans	20.87	1.40e3	1.592e3	0.88	NO	0.51678	0.51678
2 Total Tetra-Furans	21.81	1.824e3	2.751e3	0.81	NO	0.99508	0.69504
3 Total Tetra-Furans	22.29	6.435e2	6.685e2	0.74	NO	0.25785	0.25785
4 Total Tetra-Furans	23.46	3.662e2	4.958e2	0.74	NO	0.14700	0.14700
5 Total Tetra-Furans	23.57	1.732e3	2.779e3	0.78	NO	0.66395	0.66395
6 Total Tetra-Furans	24.10	5.587e3	7.506e3	0.74	NO	2.2327	2.2327
7 Total Tetra-Furans	24.43	2.982e2	3.255e2	0.92	YES	0.098263	0.00000
8 Total Tetra-Furans	24.99	9.523e2	1.284e3	0.78	NO	0.37197	0.37197
9 2,3,7,8-TCDF	25.09	5.471e3	7.318e3	0.78	NO	2.1981	2.1981
10 Total Tetra-Furans	25.48	5.885e2	6.655e2	0.97	YES	0.18279	0.00000
11 Total Tetra-Furans	27.20	7.318e2	9.841e2	0.74	NO	0.28264	0.28264

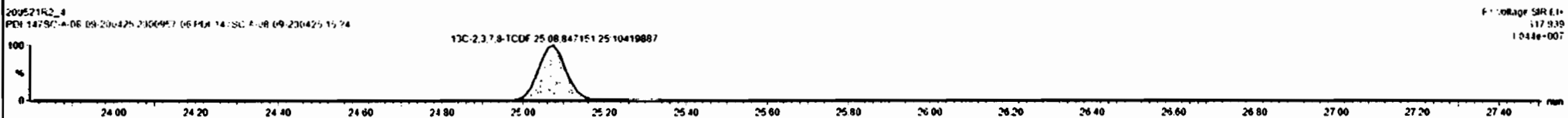
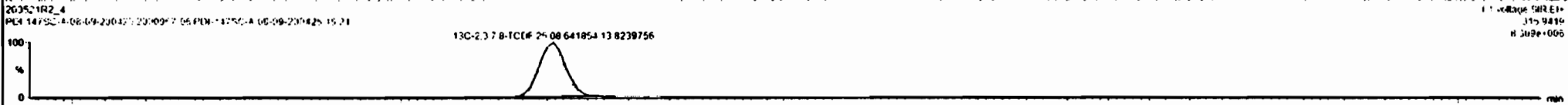
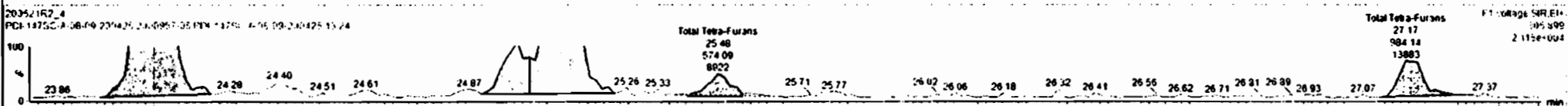
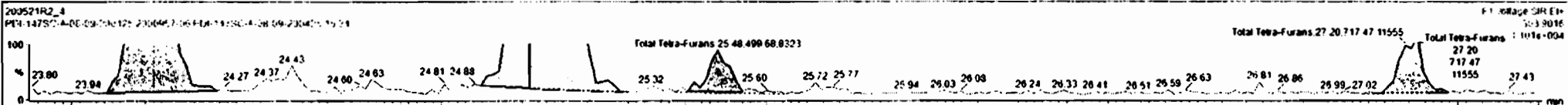


Custom Reporting: Select reports to generate

200521R2_4 CAP NUM

Name	Resp	BA	mfy	RRF	mfVal	RT	RRV	Conc.	%Rec	DL	EMPC
Total Hest-Dioxins				C 0076	10 000			70.2		0.556	70.2
Total Tetra-Furans				0.3087	68.688			7.500		0.0000	7.500

Name	RT	mf Resp	mf2 Resp	BA	mfy	EMPC	Conc.
Total Tetra-Furans	20.87	1.40e+3	1.592e1	0.68	NO	0.11078	0.51078
Total Tetra-Furans	21.81	1.82e+3	2.251e3	0.81	NO	0.09508	0.60506
Total Tetra-Furans	22.29	6.43e+2	6.665e2	0.74	NO	0.25785	0.25785
Total Tetra-Furans	23.46	3.962e2	4.958e2	0.74	NO	0.14708	0.14708
Total Tetra-Furans	23.57	1.732e3	2.279e3	0.76	NO	0.06295	0.68305
Total Tetra-Furans	24.10	5.57e+3	7.500e3	0.74	NO	2.2327	2.2327
Total Tetra-Furans	24.99	9.522e2	1.264e3	0.71	NO	0.37797	0.37797
2,3,7,8-TCDF	25.09	5.575e3	7.315e3	0.71	NO	2.1988	2.1988
Total Tetra-Furans	25.48	4.897e2	5.741e2	0.87	NO	0.18312	0.18312
Total Tetra-Furans	27.20	7.175e2	9.841e2	0.73	NO	0.29019	0.29019

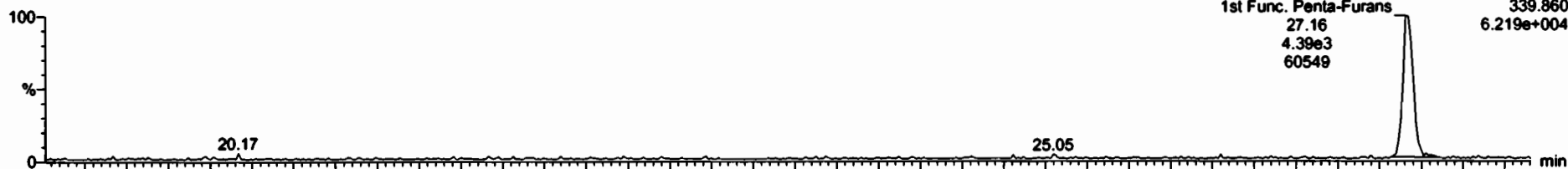


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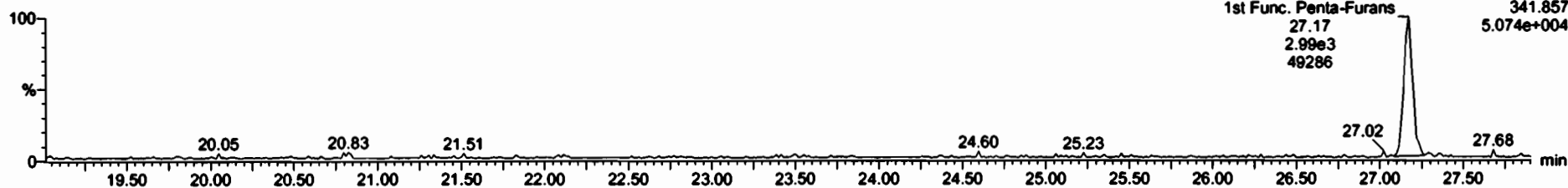
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Name: 200521R2_4, Date: 21-May-2020, Time: 15:24:03, ID: 2000957-06 PDI-147SC-A-08-09-200425 16.24, Description: PDI-147SC-A-08-09-200425

1st Func. Penta-Furans
200521R2_4

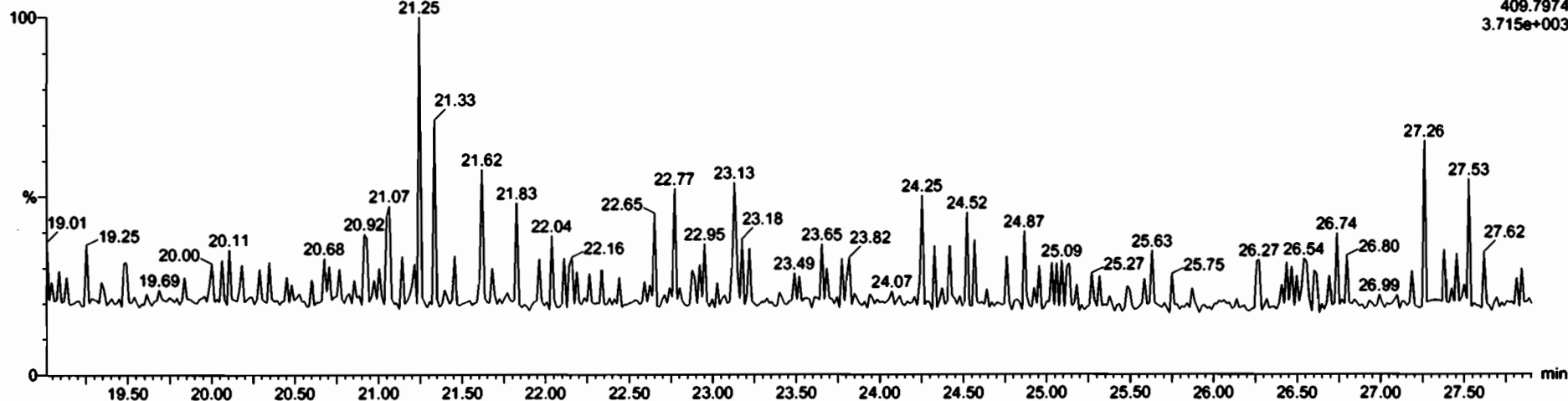


200521R2_4



DPE6

200521R2_4



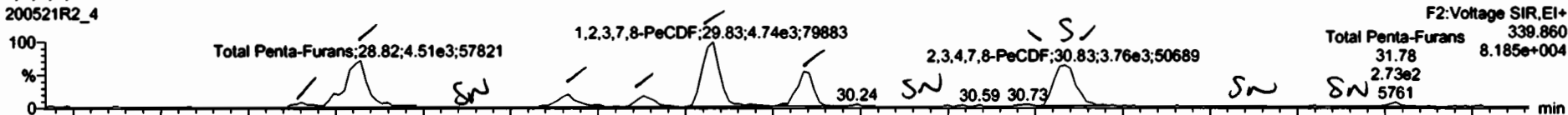
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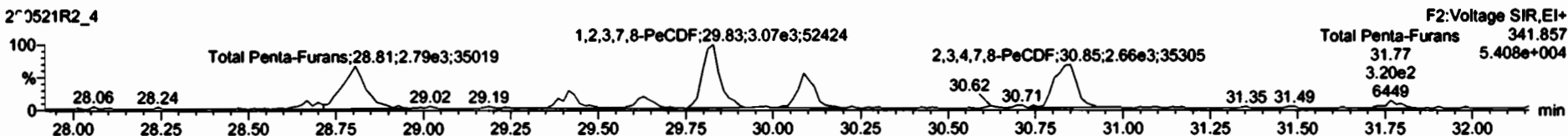
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1,2,3,7,8-PeCDF

200521R2_4

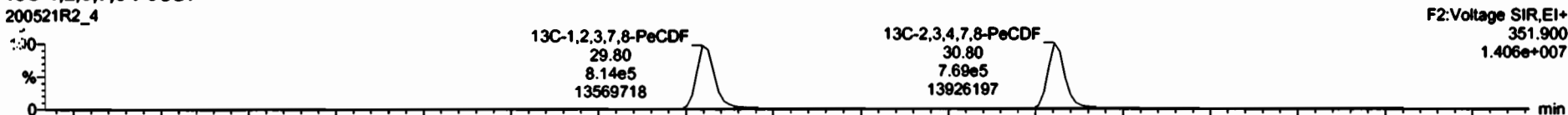


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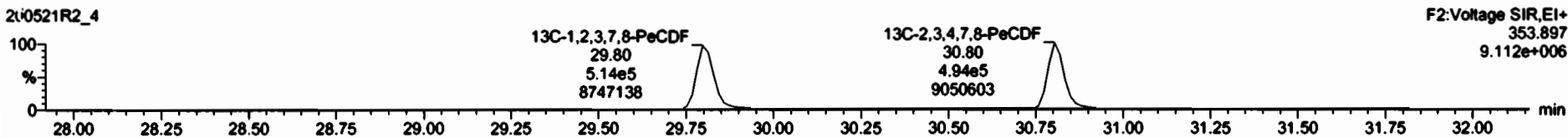


13C-1,2,3,7,8-PeCDF

200521R2_4

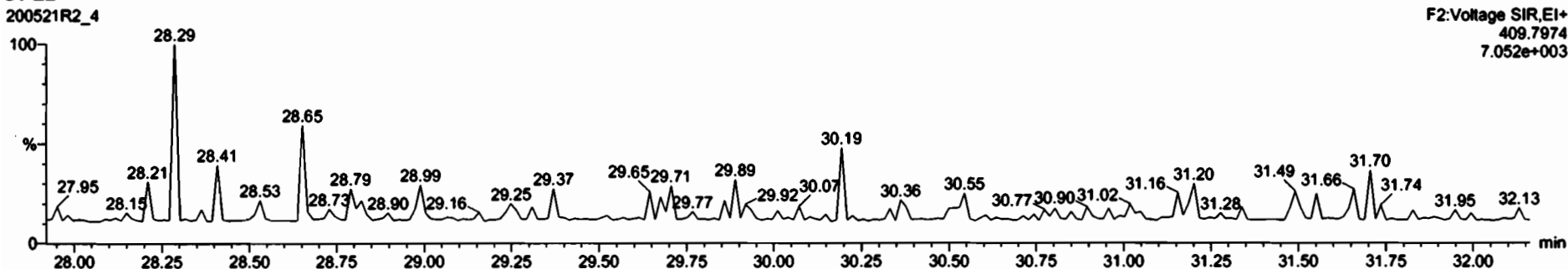


200521R2_4



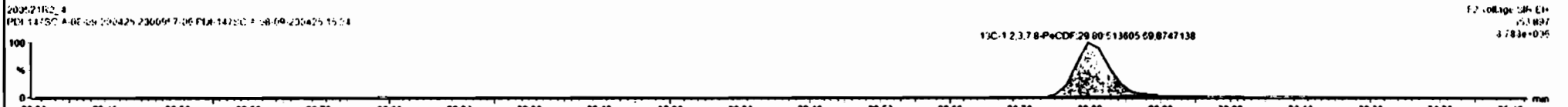
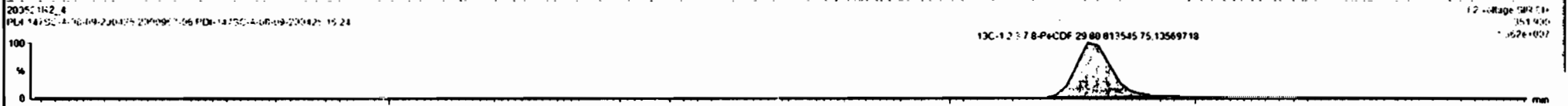
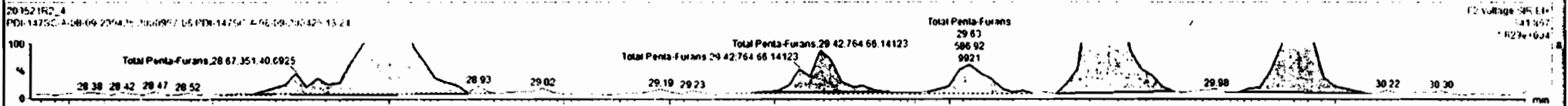
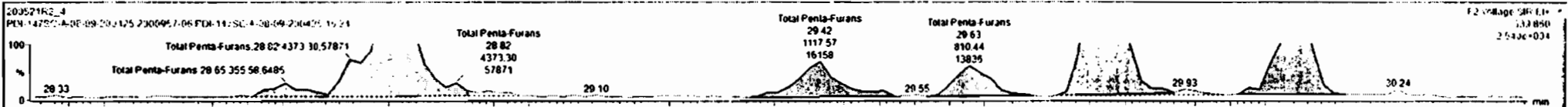
DPE2

200521R2_4



SI	Name	Resp	RA	aly	RPF	velvel	RT	RRT	Conc	%Rec	DL	EMPC
64	Total Penta-Furans				0.910	10.000			1.25	0.0446	1.21	
65	Total Penta-Furans				0.910	10.000			1.25	0.0446	1.21	

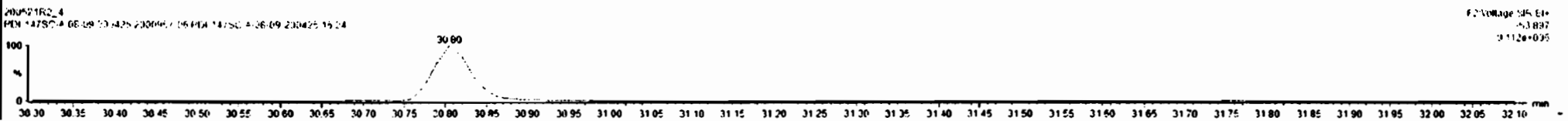
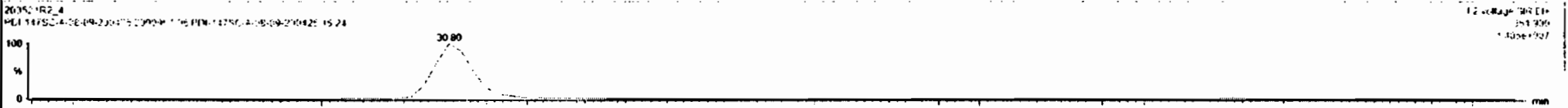
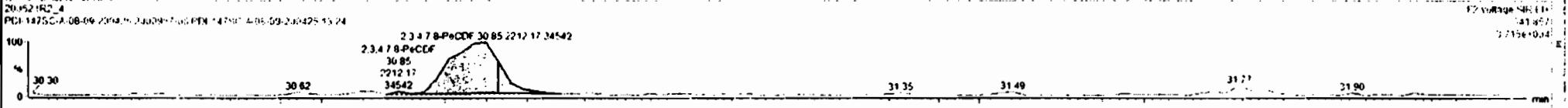
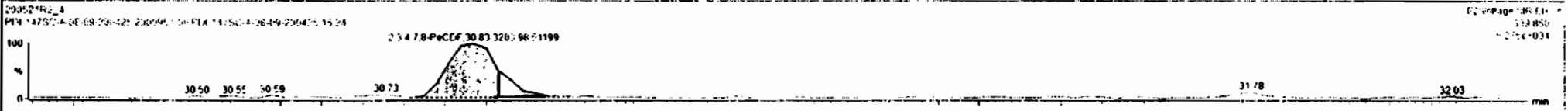
SI	Name	RT	ml Resp	ml2 Resp	RA	aly	EMPC	Conc
1	Total Penta-Furans	28.66	3.558e2	3.514e2	1.01	YES	0.699178	0.00000
2	Total Penta-Furans	28.82	4.373e3	3.772e3	1.52	NO	1.2115	1.7111
3	Total Penta-Furans	29.42	1.918e3	7.647e2	1.46	NO	0.71911	0.21911
4	Total Penta-Furans	29.63	8.184e2	5.869e2	1.38	NO	0.23691	0.23691
5	1,2,3,7,8-PeCDF	29.83	4.535e3	3.071e3	1.42	NO	1.7584	1.2584
6	Total Penta-Furans	29.09	2.324e3	1.585e3	1.46	NO	0.85447	0.58447
7	2,3,4,7,8-PeCDF	30.83	3.762e3	2.656e3	1.42	NO	1.0510	1.0510
8	Total Penta-Furans	31.78	2.733e2	3.197e2	0.82	YES	0.07625	0.00000





#1	Name	Resp	RA	ny	RF	wval	RT	RTT	Conc	%Rec	DL	EMPC
04	1st Func. Penta-Furans				0.910	10.000			1.25	0.0446	1.25	
05	2nd Func. Penta-Furans				0.8992	28.668			4.73	0.0916	4.83	

#1	Name	RT	wt Resp	wt Resp	RA	ny	EMPC	Conc.
1	Total Penta-Furans	26.65	3.550e2	3.514e2	1.01	YES	0.099178	0.00000
2	Total Penta-Furans	28.67	4.373e3	2.772e3	1.52	NO	1.2115	1.2115
3	Total Penta-Furans	29.42	1.916e3	7.647e2	1.46	NO	0.219111	0.219111
4	Total Penta-Furans	29.63	8.104e2	5.869e2	1.28	NO	0.23651	0.23651
5	2,3,7,8-PeCDF	29.83	4.535e3	3.071e3	1.42	NO	1.2584	1.2584
6	Total Penta-Furans	30.09	2.324e3	1.589e3	1.48	NO	0.86447	0.68447
7	2,3,4,7,8-PeCDF	30.83	3.204e3	2.212e3	1.45	NO	0.8877	0.8877
8	Total Penta-Furans	30.97	5.465e2	3.406e2	1.62	NO	0.1512	0.15123



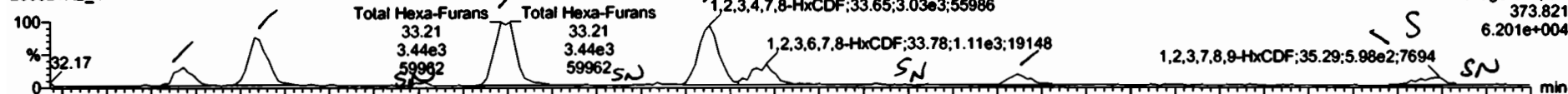
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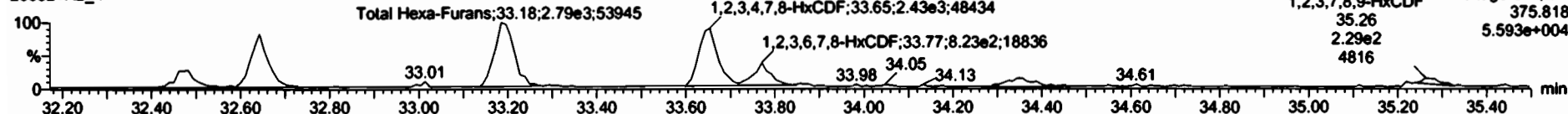
Name: 200521R2_4, Date: 21-May-2020, Time: 15:24:03, ID: 2000957-06 PDI-147SC-A-08-09-200425 16.24, Description: PDI-147SC-A-08-09-200425

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

200521R2_4

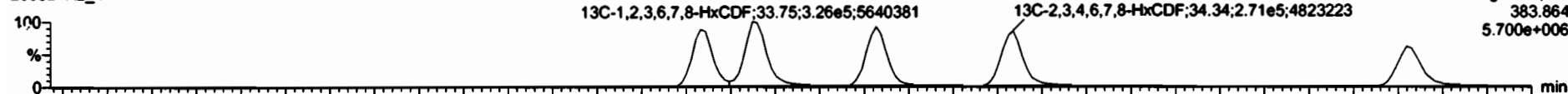


200521R2_4

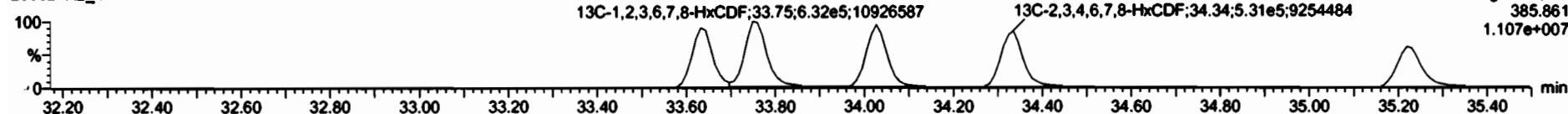


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200521R2_4

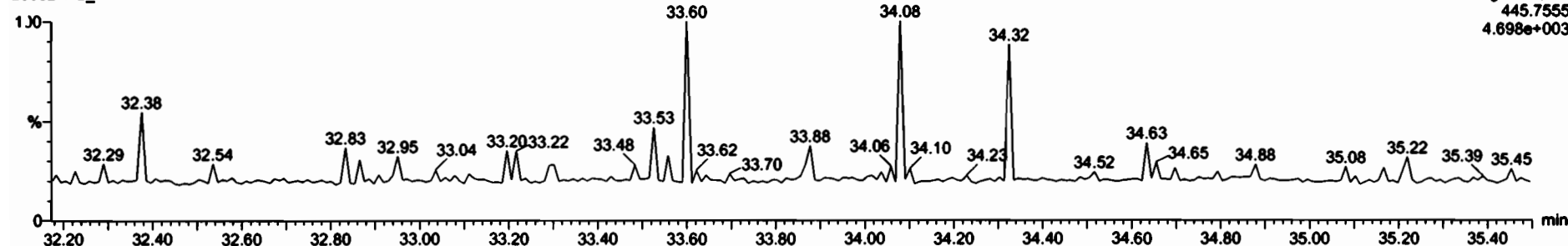


200521R2_4



DPE3

200521R2_4



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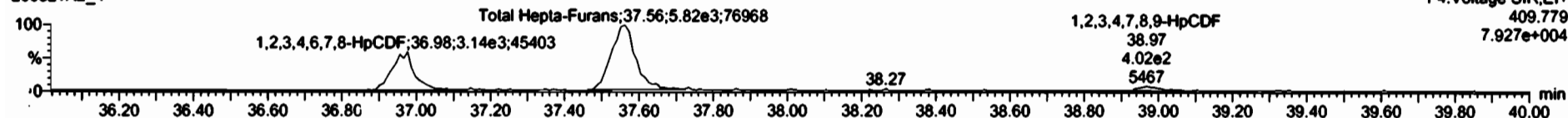
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1,2,3,4,6,7,8-HpCDF

200521R2_4



200521R2_4

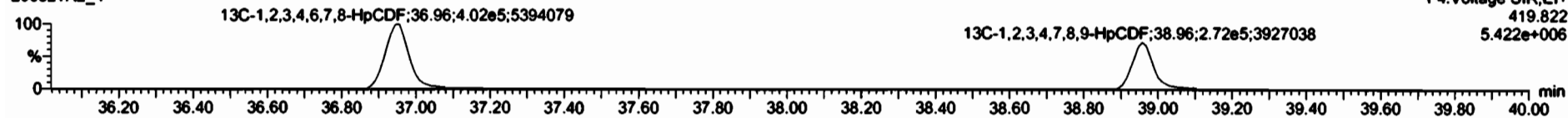


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200521R2_4

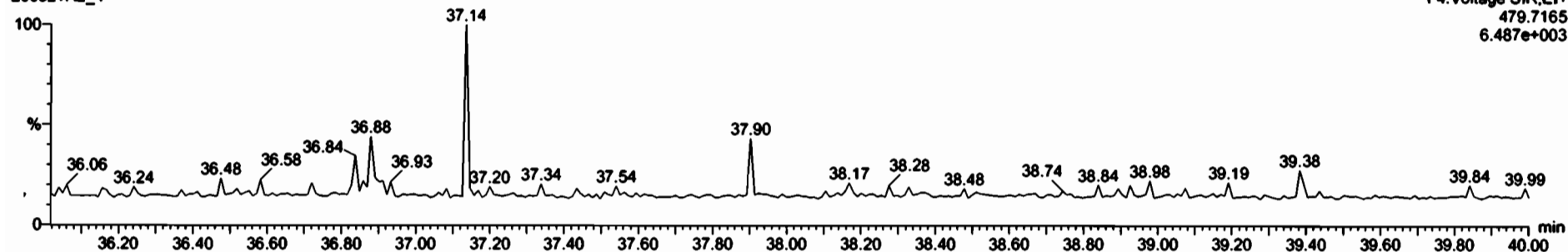


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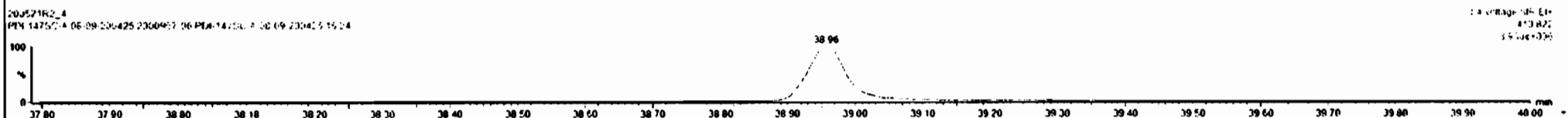
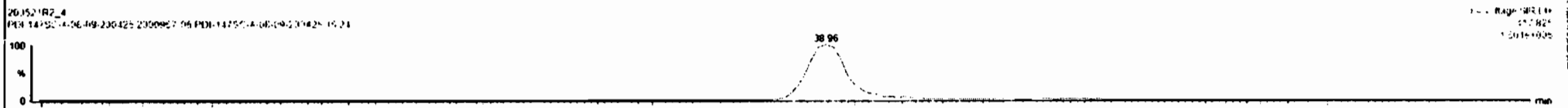
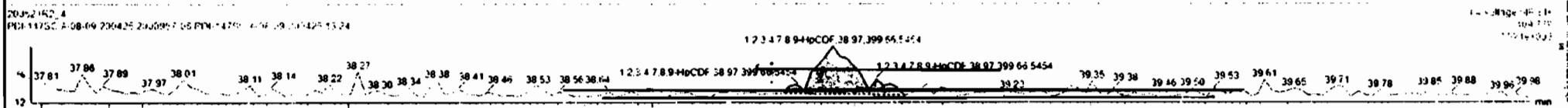
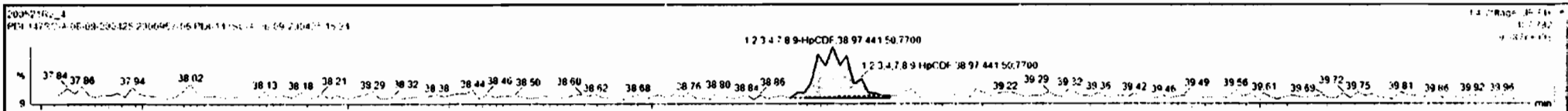
DPE4

200521R2_4



Item	Name	Resp	RA	dy	RPF	ndet	RT	RRT	Calc	%Rec	DL	EMPC
46	Total Hapto-Furans				0.9217	10.000					3.112	1.90
47	Total Hapto-Furans				0.8912	10.000					3.380	1.90

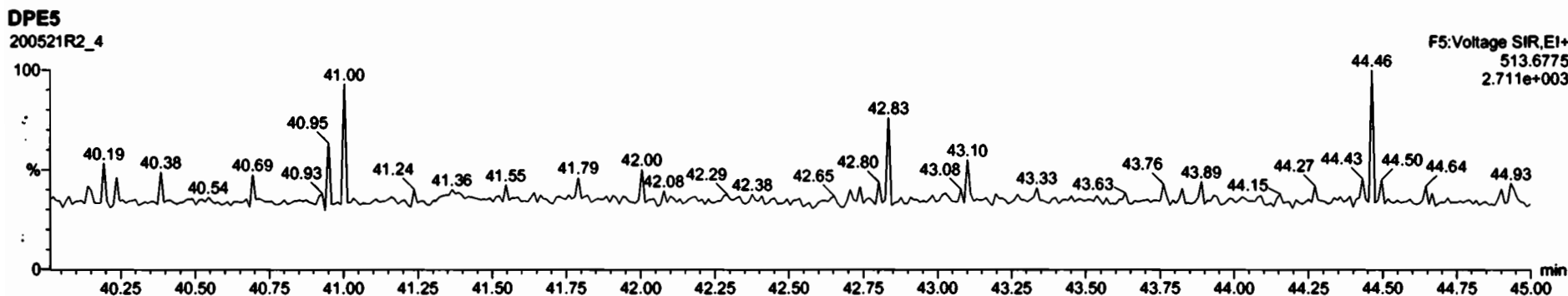
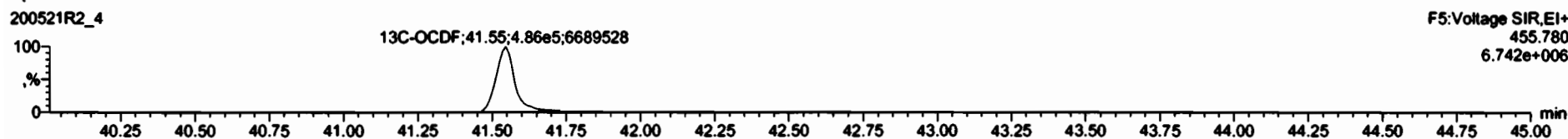
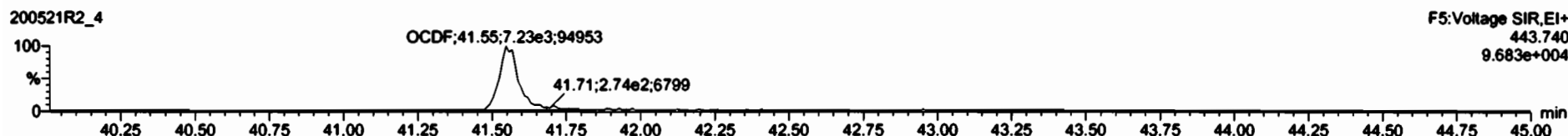
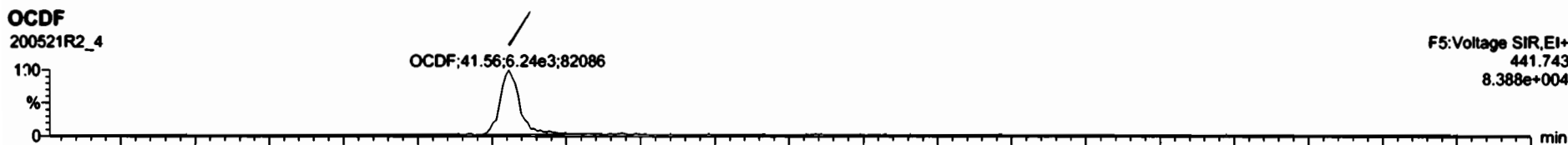
Item	Name	RT	nt Resp	nd Resp	RA	dy	EMPC	Calc
1	1,2,3,4,6,7,8-HpCDF	38.97	2.149e3	3.149e3	1.00	NO	2.5141	2.5141
2	Total Hapto-Furans	37.56	6.143e3	7.819e3	1.00	NO	1.7427	5.7437
3	1,2,3,4,7,8,9-HpCDF	38.97	4.415e2	2.997e2	1.10	NO	0.43551	0.43551



Dataset: Untitled

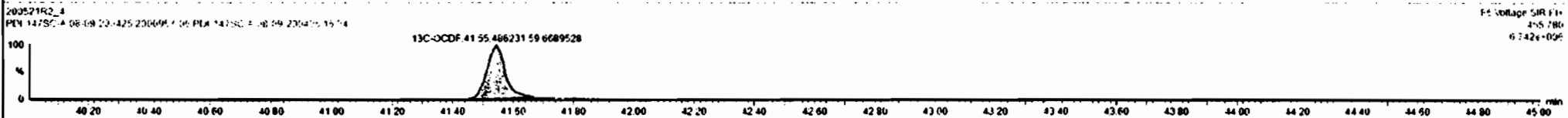
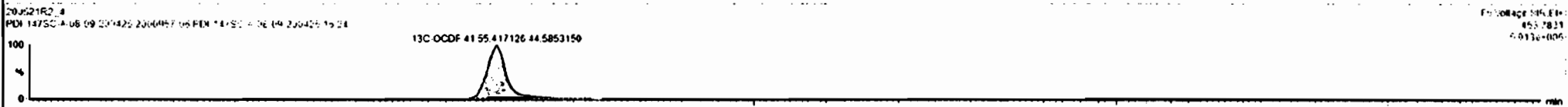
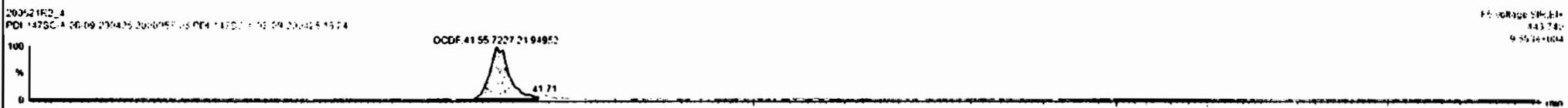
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Printed: Friday, May 22, 2020 7:58:30 AM Pacific Daylight Time

Name: 200521R2_4, Date: 21-May-2020, Time: 15:24:03, ID: 2000957-06 PDI-147SC-A-08-09-200425 16.24, Description: PDI-147SC-A-08-09-200425



SI	Name	Resp	RA	aly	RFI	Level	RT	BRT	Conc.	%Rec	DL	EMPC
17	OCDF	1.22e6	0.68	MS	0.0021	06.000	47.26	1.000	7.40		0.190	7.40
18	13C-2,3,7,8-TCDD	1.22e6	0.77	MC	1.159E	10.000	26.00	1.027	205	103	0.345	

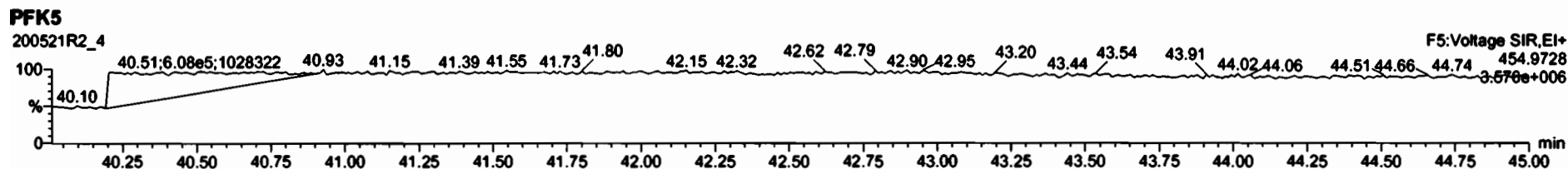
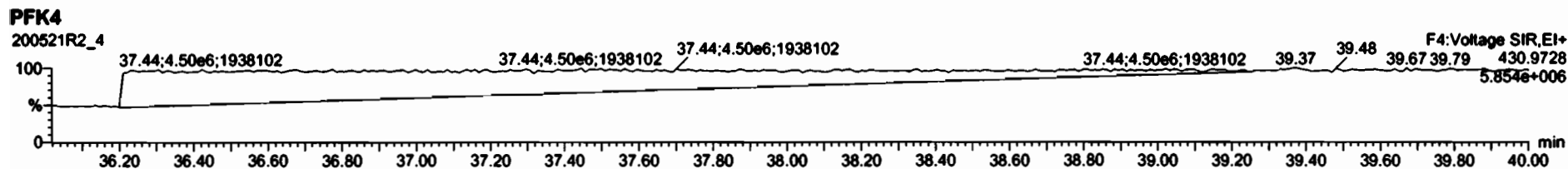
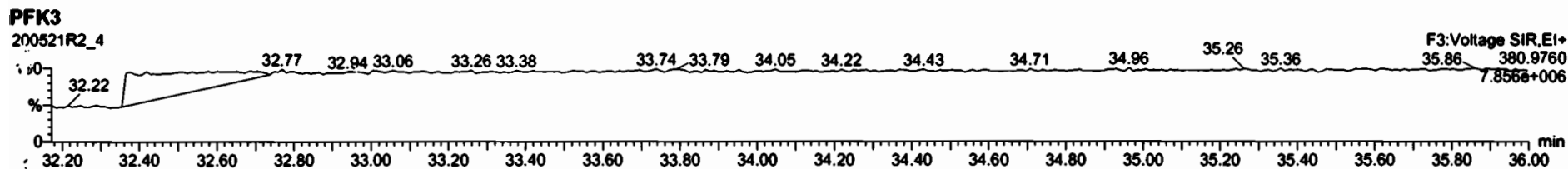
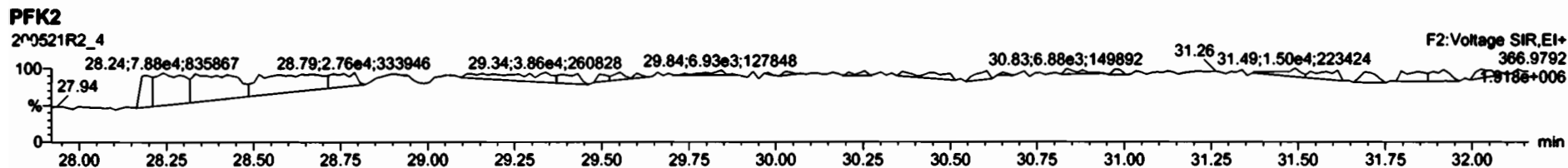
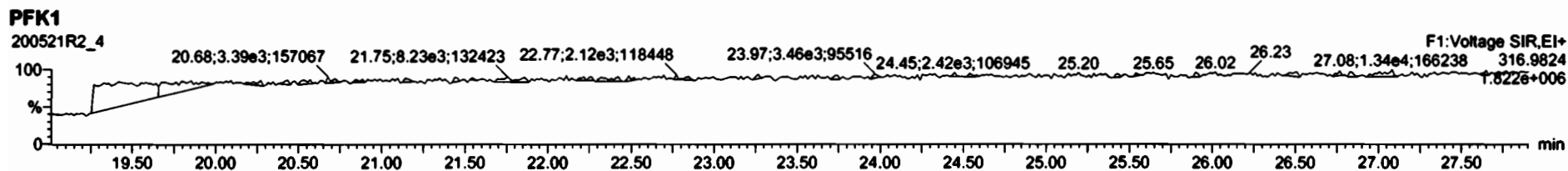
SI	Name	RT	m1 Resp	m2 Resp	RA	aly	EMPC	Conc.
1								



Dataset: Untitled

Last Altered: Friday, May 22, 2020 7:58:05 AM Pacific Daylight Time
Printed: Friday, May 22, 2020 7:58:30 AM Pacific Daylight Time

Name: 200521R2_4, Date: 21-May-2020, Time: 15:24:03, ID: 2000957-06 PDI-147SC-A-08-09-200425 16.24, Description: PDI-147SC-A-08-09-200425



Dataset: U:\VG12.PRO\Results\200521R2\200521R2-5.qld

Last Altered: Sunday, May 24, 2020 09:36:55 Pacific Daylight Time
Printed: Sunday, May 24, 2020 09:37:35 Pacific Daylight Time

GRB 05/24/2020

C7 06/02/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200521R2_5, Date: 21-May-2020, Time: 16:10:17, ID: 2000957-07 PDI-147SC-A-09-10-200425 15.75, Description: PDI-147SC-A-09-10-200425

#	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	2.23e3	0.66	NO	0.947	10.013	26.036	26.02	1.001	1.001	0.43045		0.132	0.430
2	2 1,2,3,7,8-PeCDD	3.60e3	0.61	NO	0.942	10.013	31.132	31.12	1.001	1.000	0.89942		0.181	0.899
3	3 1,2,3,4,7,8-HxCDD	4.20e3	1.16	NO	1.06	10.013	34.494	34.51	1.000	1.001	1.3566		0.393	1.36
4	4 1,2,3,6,7,8-HxCDD	3.91e4	1.22	NO	0.915	10.013	34.591	34.60	1.000	1.000	11.761		0.410	11.8
5	5 1,2,3,7,8,9-HxCDD	1.39e4	1.18	NO	0.915	10.013	34.867	34.87	1.000	1.000	4.8145		0.476	4.81
6	6 1,2,3,4,6,7,8-HpCDD	9.35e5	1.02	NO	0.898	10.013	38.373	38.37	1.000	1.000	432.93		1.27	433
7	7 OCDD	6.66e6	0.89	NO	0.933	10.013	41.343	41.35	1.000	1.000	3416.3		1.26	3420
8	8 2,3,7,8-TCDF	1.07e5	0.75	NO	0.787	10.013	25.087	25.09	1.001	1.001	20.883	(20.6)(18.6)	0.169	20.9
9	9 1,2,3,7,8-PeCDF	1.90e5	1.58	NO	0.910	10.013	29.819	29.81	1.001	1.000	33.733		0.164	33.7
10	10 2,3,4,7,8-PeCDF	8.69e4	1.52	NO	0.966	10.013	30.820	30.82	1.001	1.001	15.469		0.154	15.5
11	11 1,2,3,4,7,8-HxCDF	1.45e5	1.22	NO	0.878	10.013	33.621	33.63	1.000	1.000	43.611		0.241	43.6
12	12 1,2,3,6,7,8-HxCDF	4.20e4	1.25	NO	0.874	10.013	33.749	33.75	1.000	1.000	10.809		0.219	10.8
13	13 2,3,4,6,7,8-HxCDF	1.20e4	1.18	NO	0.922	10.013	34.348	34.33	1.001	1.001	3.5158		0.258	3.52
14	14 1,2,3,7,8,9-HxCDF	9.62e3	1.16	NO	0.864	10.013	35.208	35.26	1.000	1.002	3.4893		0.377	3.49
15	15 1,2,3,4,6,7,8-HpCDF	6.85e4	1.01	NO	0.871	10.013	36.971	36.96	1.001	1.001	29.734		0.302	29.7
16	16 1,2,3,4,7,8,9-HpCDF	8.83e3	0.99	NO	1.01	10.013	38.947	38.96	1.000	1.000	4.8714		0.365	4.87
17	17 OCDF	1.14e5	0.84	NO	0.802	10.013	41.524	41.53	1.000	1.000	63.903		0.288	63.9
18	18 13C-2,3,7,8-TCDD	1.09e6	0.78	NO	1.16	10.013	25.984	26.00	1.026	1.027	191.54	95.9	0.284	
19	19 13C-1,2,3,7,8-PeCDD	8.48e5	0.63	NO	0.847	10.013	31.068	31.11	1.227	1.229	204.05	102	0.379	
20	20 13C-1,2,3,4,7,8-HxCDD	5.81e5	1.27	NO	0.750	10.013	34.496	34.48	1.014	1.014	188.69	94.5	0.641	
21	21 13C-1,2,3,6,7,8-HxCDD	7.26e5	1.27	NO	0.963	10.013	34.608	34.59	1.017	1.017	183.36	91.8	0.499	
22	22 13C-1,2,3,7,8,9-HxCDD	6.30e5	1.24	NO	0.838	10.013	34.877	34.86	1.025	1.025	183.10	91.7	0.574	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.80e5	1.05	NO	0.641	10.013	38.367	38.36	1.128	1.128	182.18	91.2	0.509	
24	24 13C-OCDD	8.34e5	0.86	NO	0.586	10.013	41.360	41.34	1.216	1.215	346.18	86.7	0.600	
25	25 13C-2,3,7,8-TCDF	1.31e6	0.76	NO	1.03	10.013	25.045	25.06	0.989	0.990	189.04	94.6	0.458	
26	26 13C-1,2,3,7,8-PeCDF	1.23e6	1.59	NO	0.845	10.013	29.759	29.80	1.176	1.177	218.61	109	0.657	
27	27 13C-2,3,4,7,8-PeCDF	1.16e6	1.62	NO	0.814	10.013	30.749	30.79	1.215	1.216	213.74	107	0.682	
28	28 13C-1,2,3,4,7,8-HxCDF	7.55e5	0.51	NO	1.00	10.013	33.635	33.62	0.989	0.988	182.87	91.6	0.657	
29	29 13C-1,2,3,6,7,8-HxCDF	8.88e5	0.49	NO	1.14	10.013	33.757	33.74	0.992	0.992	190.07	95.2	0.581	
30	30 13C-2,3,4,6,7,8-HxCDF	7.39e5	0.52	NO	1.02	10.013	34.326	34.31	1.009	1.009	175.93	88.1	0.646	
31	31 13C-1,2,3,7,8,9-HxCDF	6.37e5	0.52	NO	0.845	10.013	35.217	35.21	1.035	1.035	183.56	91.9	0.782	

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-5.qid

Last Altered: Sunday, May 24, 2020 09:36:55 Pacific Daylight Time
Printed: Sunday, May 24, 2020 09:37:35 Pacific Daylight Time

Name: 200521R2_5, Date: 21-May-2020, Time: 16:10:17, ID: 2000957-07 PDI-147SC-A-09-10-200425 15.75, Description: PDI-147SC-A-09-10-200425

#	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	5.28e5	0.44	NO	0.771	10.013	36.948	36.93	1.086	1.086	166.77	83.5	0.534	
33	13C-1,2,3,4,7,8,9-HpCDF	3.58e5	0.41	NO	0.482	10.013	38.959	38.95	1.145	1.145	180.57	90.4	0.854	
34	13C-OCDF	8.86e5	0.88	NO	0.669	10.013	41.530	41.52	1.221	1.221	322.67	80.8	0.493	
35	37Cl-2,3,7,8-TCDD	4.51e5			1.10	10.013	26.015	26.02	1.028	1.028	83.668	105	0.0820	
36	13C-1,2,3,4-TCDD	9.80e5	0.78	NO	1.00	10.013	25.350	25.32	1.000	1.000	199.74	100	0.329	
37	13C-1,2,3,4-TCDF	1.33e6	0.78	NO	1.00	10.013	23.560	23.53	1.000	1.000	199.74	100	0.474	
38	13C-1,2,3,4,6,9-HxCDF	8.21e5	0.50	NO	1.00	10.013	34.000	34.02	1.000	1.000	199.74	100	0.660	
39	Total Tetra-Dioxins				0.947	10.013	24.620		0.000		2.8670		0.132	2.87
40	Total Penta-Dioxins				0.942	10.013	29.960		0.000		7.1650		0.181	8.10
41	Total Hexa-Dioxins				0.915	10.013	33.635		0.000		139.53		0.446	140
42	Total Hepta-Dioxins				0.898	10.013	37.640		0.000		931.86		1.27	932
43	Total Tetra-Furans				0.787	10.013	23.610		0.000		55.752		0.169	56.8
44	1st Func Penta-Furans				0.910	10.013	27.090		0.000		10.861		0.0454	10.9
45	Total Penta-Furans				0.910	10.013	29.275		0.000		84.610		0.164	86.2
46	Total Hexa-Furans				0.922	10.013	33.555		0.000		100.97		0.256	101
47	Total Hepta-Furans				0.871	10.013	37.835		0.000		95.766		0.351	95.8

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-5.qld

Last Altered: Sunday, May 24, 2020 09:36:55 Pacific Daylight Time
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Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
 Calibration: U:\VG12.PRO\CurveDB\1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200521R2_5, Date: 21-May-2020, Time: 16:10:17, ID: 2000957-07 PDI-147SC-A-09-10-200425 15.75, Description: PDI-147SC-A-09-10-200425

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	21.83	1.820e4	2.528e4	1.717e3	2.280e3	0.75	NO	3.996e3	0.77303	0.77303	0.132
2	Total Tetra-Dioxins	22.23	1.017e4	1.327e4	8.347e2	9.834e2	0.85	NO	1.818e3	0.35168	0.35168	0.132
3	Total Tetra-Dioxins	24.24	8.791e3	1.403e4	7.735e2	1.107e3	0.70	NO	1.881e3	0.36383	0.36383	0.132
4	Total Tetra-Dioxins	25.74	2.336e4	3.026e4	1.984e3	2.343e3	0.85	NO	4.327e3	0.83699	0.83699	0.132
5	2,3,7,8-TCDD	26.02	1.014e4	2.102e4	8.818e2	1.343e3	0.66	NO	2.225e3	0.43045	0.43045	0.132
6	Total Tetra-Dioxins	26.36	4.263e3	4.486e3	2.508e2	3.232e2	0.78	NO	5.740e2	0.11104	0.11104	0.132

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.85	4.524e4	7.183e4	3.442e3	5.810e3	0.59	NO	9.253e3	2.3116	2.3116	0.181
2	Total Penta-Dioxins	29.35	1.589e4	2.627e4	8.096e2	1.342e3	0.60	NO	2.151e3	0.53745	0.53745	0.181
3	Total Penta-Dioxins	29.86	2.716e4	5.452e4	1.747e3	3.048e3	0.57	NO	4.795e3	1.1980	1.1980	0.181
4	Total Penta-Dioxins	30.03	2.866e4	5.035e4	1.640e3	2.996e3	0.55	NO	4.636e3	1.1581	1.1581	0.181
5	Total Penta-Dioxins	30.12	1.323e4	2.048e4	7.130e2	1.302e3	0.55	NO	2.015e3	0.50333	0.50333	0.181
6	Total Penta-Dioxins	30.33	1.626e4	2.936e4	9.043e2	1.480e3	0.61	NO	0.000e0	0.00000	0.59558	0.181
7	Total Penta-Dioxins	30.36	1.261e4	2.115e4	5.616e2	7.975e2	0.70	NO	0.000e0	0.00000	0.33955	0.181
8	1,2,3,7,8-PeCDD	31.12	2.539e4	3.921e4	1.363e3	2.237e3	0.61	NO	3.600e3	0.89942	0.89942	0.181
9	Total Penta-Dioxins	31.19	7.354e3	1.283e4	4.211e2	5.994e2	0.70	NO	1.020e3	0.25492	0.25492	0.181
10	Total Penta-Dioxins	31.52	7.317e3	1.641e4	4.675e2	7.420e2	0.63	NO	1.209e3	0.30215	0.30215	0.181

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-5.qld

Last Altered: Sunday, May 24, 2020 09:36:55 Pacific Daylight Time

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ID: 200957-07-01-147SC-A-09-10-200425 15.75, Description: PDI-147SC-A-09-10-200425

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.01	1.719e6	1.366e6	8.719e4	6.980e4	1.25	NO	1.570e5	53.104	53.104	0.446
2	Total Hexa-Dioxins	33.57	1.199e5	9.119e4	6.462e3	5.036e3	1.28	NO	1.150e4	3.8893	3.8893	0.446
3	Total Hexa-Dioxins	33.82	1.417e6	1.141e6	9.790e4	7.948e4	1.23	NO	1.774e5	59.999	59.999	0.446
4	Total Hexa-Dioxins	33.91	8.143e4	6.797e4	4.926e3	4.163e3	1.18	NO	9.089e3	3.0744	3.0744	0.446
5	1,2,3,4,7,8-HxCDD	34.51	4.385e4	3.109e4	2.254e3	1.948e3	1.16	NO	4.202e3	1.3566	1.3566	0.393
6	1,2,3,6,7,8-HxCDD	34.60	3.676e5	2.904e5	2.144e4	1.763e4	1.22	NO	3.907e4	11.761	11.761	0.410
7	Total Hexa-Dioxins	34.78	4.600e4	4.092e4	2.348e3	2.187e3	1.07	NO	4.535e3	1.5342	1.5342	0.446
8	1,2,3,7,8,9-HxCDD	34.87	1.143e5	9.394e4	7.527e3	6.370e3	1.18	NO	1.390e4	4.8145	4.8145	0.476

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.34	7.204e6	7.076e6	5.446e5	5.324e5	1.02	NO	1.077e6	498.93	498.93	1.27
2	1,2,3,4,6,7,8-HpCDD	38.37	6.069e6	6.045e6	4.712e5	4.633e5	1.02	NO	9.345e5	432.93	432.93	1.27

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-5.qld
 Last Altered: Sunday, May 24, 2020 09:36:55 Pacific Daylight Time
 Printed: Sunday, May 24, 2020 09:37:35 Pacific Daylight Time

Sample: 200521R2-5, Date: 10/20/2002, Time: 16:10:47, HDI: 200521-07, PDI: 147SC-A-09-10-200425-15-75, Description: PDI-147SC-A-09-10-200425

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	19.76	8.288e3	1.115e4	5.524e2	8.000e2	0.69	NO	1.352e3	0.26286	0.26286	0.169
2	Total Tetra-Furans	20.27	1.394e4	1.768e4	1.097e3	1.353e3	0.81	NO	2.450e3	0.47622	0.47622	0.169
3	Total Tetra-Furans	20.87	7.213e4	8.317e4	5.554e3	7.044e3	0.79	NO	1.260e4	2.4486	2.4486	0.169
4	Total Tetra-Furans	21.39	1.598e4	2.054e4	2.347e3	3.288e3	0.71	NO	0.000e0	0.00000	1.0953	0.169
5	Total Tetra-Furans	21.80	1.002e5	1.359e5	9.584e3	1.324e4	0.72	NO	2.282e4	4.4359	4.4359	0.169
6	Total Tetra-Furans	22.25	3.367e4	4.575e4	3.453e3	4.706e3	0.73	NO	8.159e3	1.5858	1.5858	0.169
7	Total Tetra-Furans	22.41	1.070e4	1.345e4	7.406e2	1.058e3	0.70	NO	1.799e3	0.34965	0.34965	0.169
8	Total Tetra-Furans	22.64	1.791e4	2.646e4	1.714e3	2.414e3	0.71	NO	4.128e3	0.80227	0.80227	0.169
9	Total Tetra-Furans	23.10	3.510e3	4.516e3	2.557e2	3.082e2	0.83	NO	5.639e2	0.10959	0.10959	0.169
10	Total Tetra-Furans	23.24	7.634e3	9.982e3	6.563e2	7.541e2	0.87	NO	1.410e3	0.27411	0.27411	0.169
11	Total Tetra-Furans	23.46	2.081e4	3.357e4	1.347e3	1.930e3	0.70	NO	3.278e3	0.63703	0.63703	0.169
12	Total Tetra-Furans	23.55	4.755e4	6.500e4	5.261e3	7.238e3	0.73	NO	1.250e4	2.4293	2.4293	0.169
13	Total Tetra-Furans	24.09	4.432e5	5.888e5	3.633e4	5.022e4	0.72	NO	8.654e4	16.821	16.821	0.169
14	Total Tetra-Furans	24.40	1.729e4	1.742e4	1.139e3	1.343e3	0.85	NO	2.482e3	0.48242	0.48242	0.169
15	Total Tetra-Furans	24.97	4.996e4	6.401e4	2.996e3	4.166e3	0.72	NO	7.163e3	1.3921	1.3921	0.169
16	2,3,7,8-TCDF	25.09	6.159e5	7.884e5	4.602e4	6.143e4	0.75	NO	1.074e5	20.883	20.883	0.169
17	Total Tetra-Furans	25.48	2.043e4	3.051e4	1.790e3	2.388e3	0.75	NO	4.178e3	0.81206	0.81206	0.169
18	Total Tetra-Furans	27.17	5.019e4	6.570e4	3.421e3	4.558e3	0.75	NO	7.978e3	1.5507	1.5507	0.169

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	27.16	5.610e5	3.654e5	3.670e4	2.257e4	1.63	NO	5.927e4	10.861	10.861	0.0454

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-5.qld

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17:10:20 Name: 200521R2-5, Date: 24-May-2020, Time: 16:10:17, ID: 2000957-07 PDI-147SC-A-09-10-200425 15.75, Description: PDI-147SC-A-09-10-200425

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.65	3.950e4	3.076e4	2.331e3	1.428e3	1.63	NO	3.759e3	0.68880	0.68880	0.164
2	Total Penta-Furans	28.81	8.943e5	5.637e5	5.434e4	3.518e4	1.54	NO	8.952e4	16.403	16.403	0.164
3	Total Penta-Furans	28.87	5.831e4	4.204e4	2.327e3	1.545e3	1.51	NO	3.873e3	0.70962	0.70962	0.164
4	Total Penta-Furans	29.31	6.419e3	8.075e3	2.800e2	2.047e2	1.37	NO	4.848e2	0.088832	0.088832	0.164
5	Total Penta-Furans	29.40	7.414e4	4.346e4	4.279e3	2.923e3	1.46	NO	0.000e0	0.00000	1.3197	0.164
6	Total Penta-Furans	29.45	2.339e4	1.434e4	8.198e2	5.128e2	1.60	NO	0.000e0	0.00000	0.24417	0.164
7	Total Penta-Furans	29.61	1.710e5	1.176e5	9.443e3	6.508e3	1.45	NO	1.595e4	2.9227	2.9227	0.164
8	1,2,3,7,8-PeCDF	29.81	2.048e6	1.276e6	1.160e5	7.362e4	1.58	NO	1.896e5	33.733	33.733	0.164
9	Total Penta-Furans	29.89	7.801e4	5.622e4	3.476e3	2.454e3	1.42	NO	5.930e3	1.0867	1.0867	0.164
10	Total Penta-Furans	30.09	6.194e5	3.552e5	3.420e4	2.184e4	1.57	NO	5.603e4	10.267	10.267	0.164
11	2,3,4,7,8-PeCDF	30.82	9.488e5	6.191e5	5.246e4	3.449e4	1.52	NO	8.694e4	15.469	15.469	0.154
12	Total Penta-Furans	30.85	4.684e5	2.789e5	8.606e3	5.040e3	1.71	NO	1.365e4	2.5006	2.5006	0.164
13	Total Penta-Furans	31.75	4.571e4	2.498e4	2.355e3	1.688e3	1.40	NO	4.044e3	0.74094	0.74094	0.164

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.46	1.824e5	1.524e5	9.011e3	7.388e3	1.22	NO	1.640e4	4.7087	4.7087	0.256
2	Total Hexa-Furans	32.63	5.163e5	4.198e5	2.620e4	2.124e4	1.23	NO	4.744e4	13.621	13.621	0.256
3	Total Hexa-Furans	32.98	7.599e3	8.241e3	5.332e2	4.275e2	1.25	NO	9.607e2	0.27583	0.27583	0.256
4	Total Hexa-Furans	33.17	7.608e5	5.932e5	3.673e4	2.963e4	1.24	NO	6.636e4	19.054	19.054	0.256
5	Total Hexa-Furans	33.54	1.856e4	1.574e4	8.651e2	6.986e2	1.24	NO	1.564e3	0.44897	0.44897	0.256
6	1,2,3,4,7,8-HxCDF	33.63	1.520e6	1.247e6	7.945e4	6.533e4	1.22	NO	1.448e5	43.611	43.611	0.241
7	1,2,3,6,7,8-HxCDF	33.75	3.962e5	3.273e5	2.331e4	1.868e4	1.25	NO	4.199e4	10.809	10.809	0.219
8	2,3,4,6,7,8-HxCDF	34.33	1.146e5	8.858e4	6.483e3	5.507e3	1.18	NO	1.199e4	3.5158	3.5158	0.258
9	1,2,3,7,8,9-HxCDF	35.26	1.149e5	9.764e4	5.156e3	4.463e3	1.16	NO	9.619e3	3.4893	3.4893	0.377
10	Total Hexa-Furans	35.27	1.066e5	9.071e4	2.637e3	2.348e3	1.12	NO	4.986e3	1.4314	1.4314	0.256

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-5.qld

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07 Jul 2009 15:02:21.915, Date: 14 May 2020, Time: 12:10:47, ID: 200425-15-75, SD: 14756-A-09-10-200425-15-75, Description: PDI-14756-A-09-10-200425-15-75, 05/24/2020 09:37:35

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	36.96	4.839e5	4.821e5	3.449e4	3.405e4	1.01	NO	6.854e4	29.734	29.734	0.302
2	Total Hepta-Furans	37.54	8.087e5	7.899e5	5.913e4	5.909e4	1.00	NO	1.182e5	61.160	61.160	0.351
3	1.2.3.4.7.8.9-HpCDF	38.96	6.289e4	7.312e4	4.392e3	4.436e3	0.99	NO	8.828e3	4.8714	4.8714	0.365

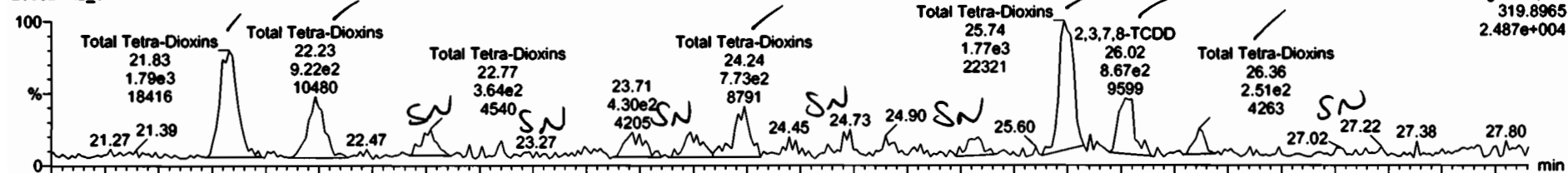
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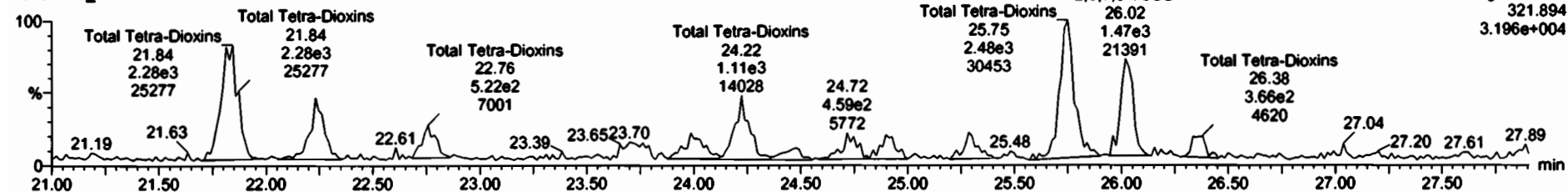
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2,3,7,8-TCDD

200521R2_5

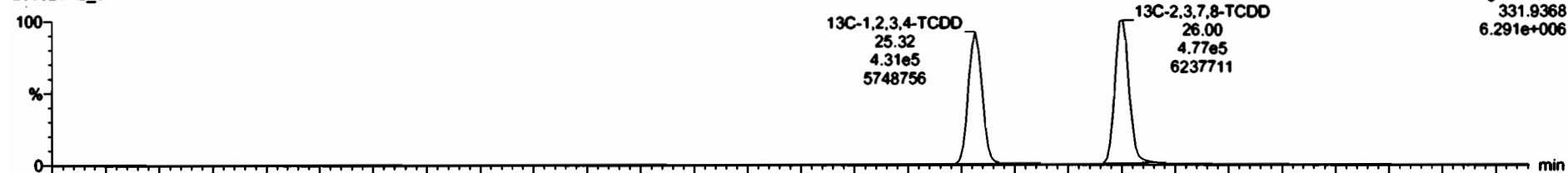


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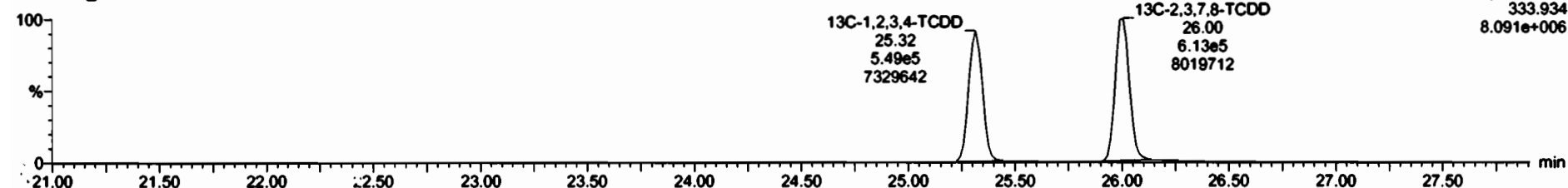


13C-2,3,7,8-TCDD

200521R2_5

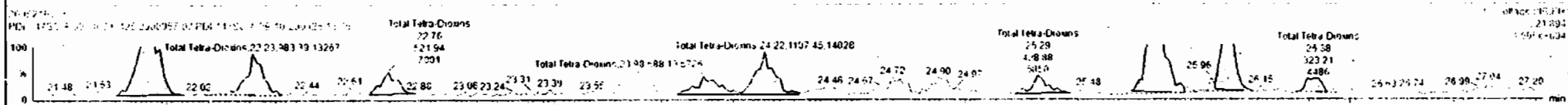
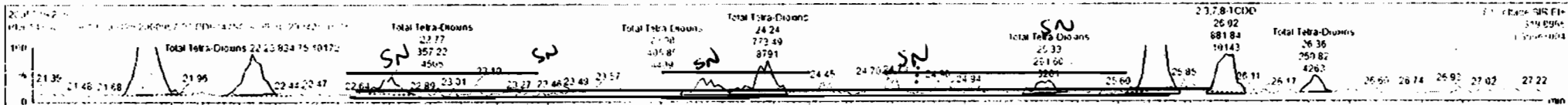


200521R2_5



Name	Resp	RA	nly	RRF	relVol	RT	RRT	Conc	%Acc	DL	EMPC
39 Total Tetra-Dioxins				0.9475	10.813			3.37		0.132	3.37
40 Total Penta-Dioxins				0.6475	13.611			6.56		0.181	6.01

Name	RT	rel Resp	rel Conc	RA	nly	EMPC	Conc
1 Total Tetra-Dioxins	21.87	1.717e3	2.260e3	0.75	NO	0.77102	6.7263
2 Total Tetra-Dioxins	22.23	6.347e2	9.814e2	0.85	NO	0.77102	0.25162
3 Total Tetra-Dioxins	22.77	3.572e2	5.277e2	0.88	NO	0.17006	0.17006
4 Total Tetra-Dioxins	23.59	4.366e2	5.861e2	0.69	NO	0.15246	0.19246
5 Total Tetra-Dioxins	24.24	7.775e2	1.107e3	0.70	NO	0.74583	0.30267
6 Total Tetra-Dioxins	25.23	2.516e2	4.202e2	0.98	NO	0.12576	0.13936
7 Total Tetra-Dioxins	25.74	1.804e3	2.431e3	0.85	NO	0.83679	0.67699
8 13C-2,3,7,8-TCDF	26.02	8.816e2	1.243e3	0.66	NO	0.43045	0.43045
9 Total Tetra-Dioxins	26.26	2.506e2	3.222e2	0.75	NO	0.11124	0.11104

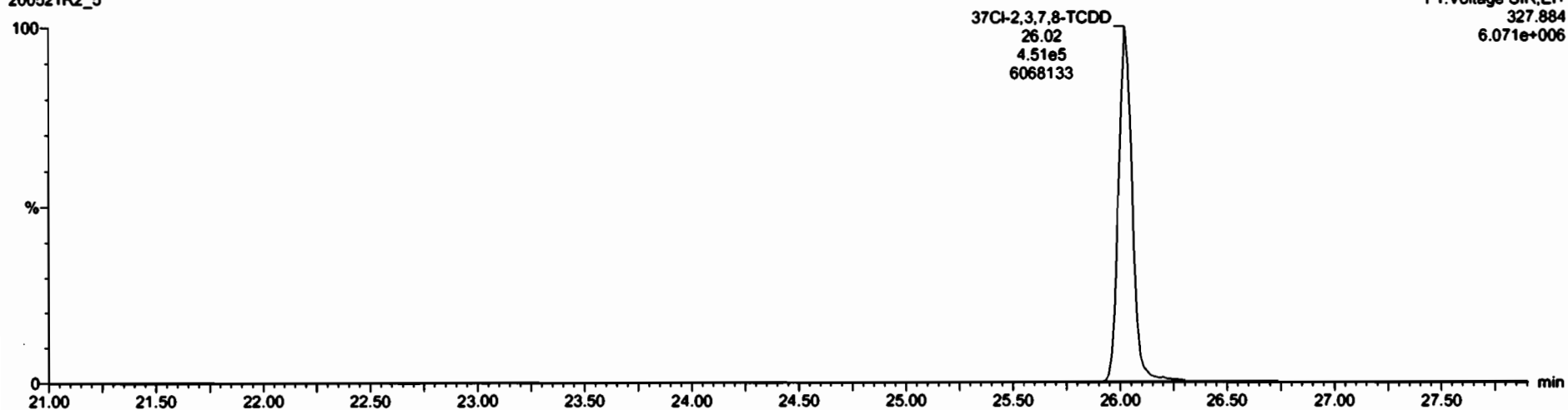


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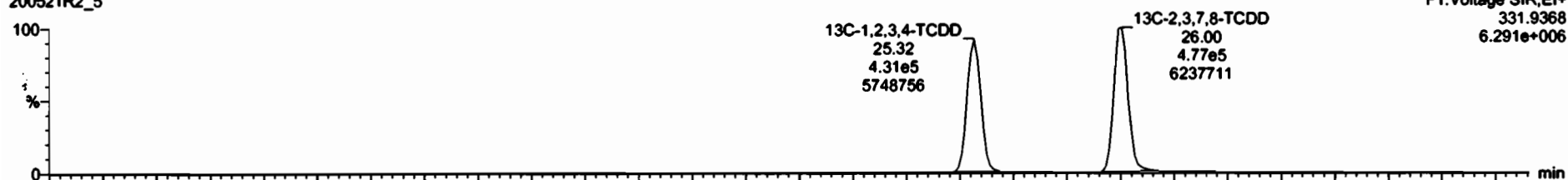
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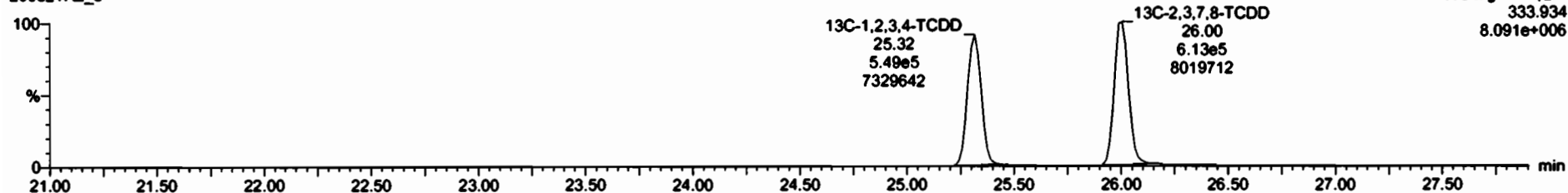
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200521R2_5



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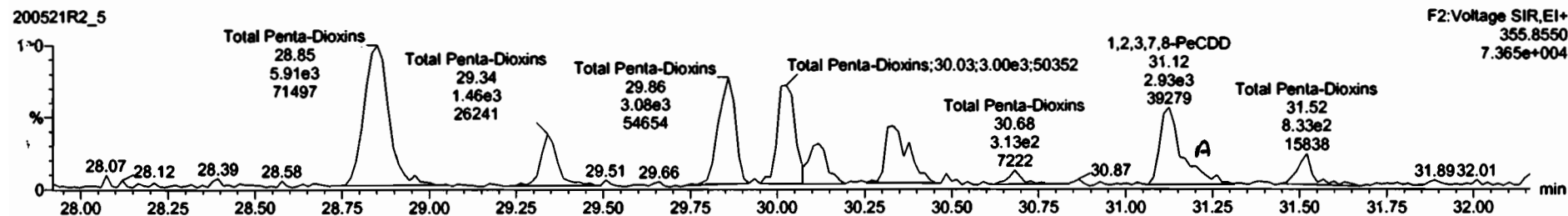
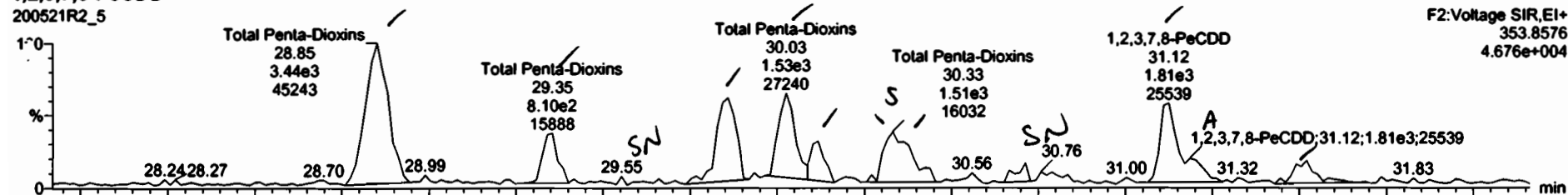


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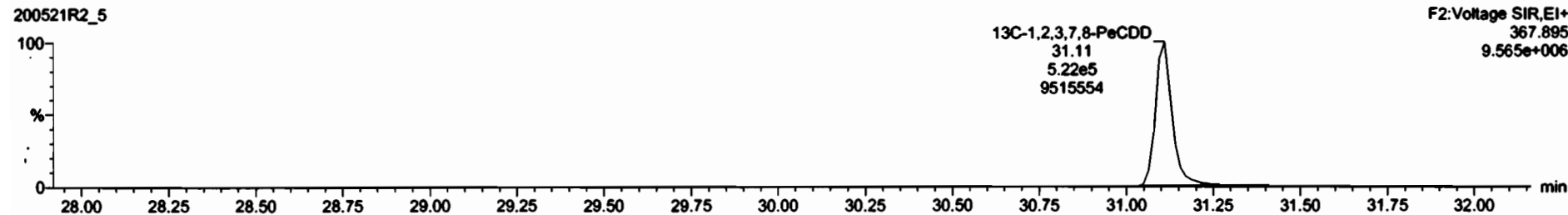
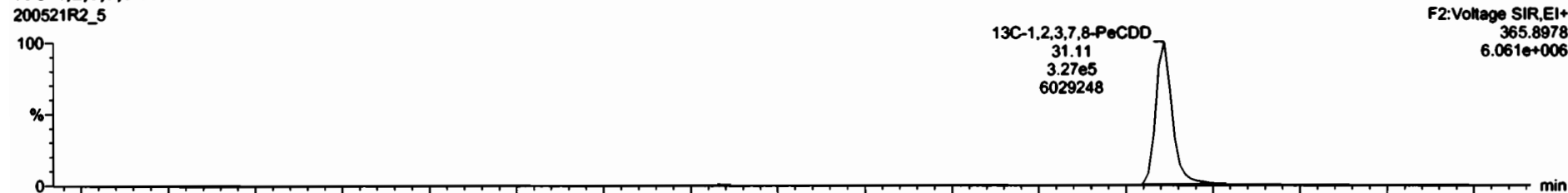
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1,2,3,7,8-PeCDD

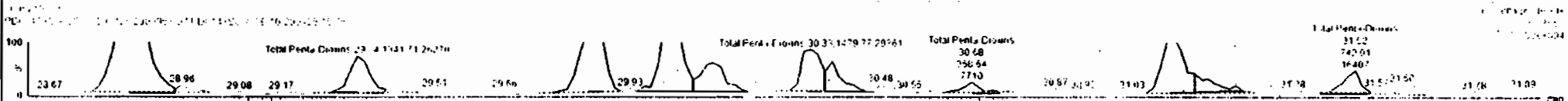
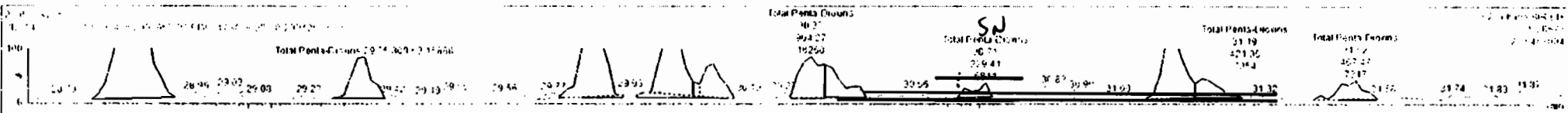


13C-1,2,3,7,8-PeCDD



Name	Resp	RA	rv	RWF	width	RT	RRT	Conc	%Rec	DL	EMPC
30 Total Pent-Crowns				0.9475	10.013			7.67		0.122	0.77
40 Total Pent-Crowns				0.9425	10.013			7.31		0.101	0.25

Name	RT	ret Resp	m2 Resp	RA	rv	EMPC	Conc
1 Total Pent-Crowns	28.85	7.442e3	5.810e3	0.79	NO	0.7172	0.3776
2 Total Pent-Crowns	29.15	6.091e2	1.342e1	0.70	NO	0.7720	0.12740
3 Total Pent-Crowns	29.05	1.747e2	3.040e1	0.57	NO	1.1940	1.1900
4 Total Pent-Crowns	30.02	1.640e3	2.956e3	0.55	NO	1.1551	1.1521
5 Total Pent-Crowns	30.12	7.170e2	1.307e3	0.75	NO	0.7472	0.5071
6 Total Pent-Crowns	30.33	5.041e2	1.460e3	0.61	NO	0.7516	0.2000
7 Total Pent-Crowns	30.36	5.616e2	7.975e2	0.70	NO	0.7544	0.0000
8 Total Pent-Crowns	30.71	2.294e2	3.586e2	0.64	NO	0.7491	0.1460
9 1,2,3,7,8-PeCDO	31.12	1.365e3	2.237e3	0.61	NO	0.6242	0.0942
10 Total Pent-Crowns	31.15	4.211e2	5.984e2	0.70	NO	0.7491	0.2540
11 Total Pent-Crowns	31.52	4.675e2	7.420e2	0.67	NO	1.1519	0.1011



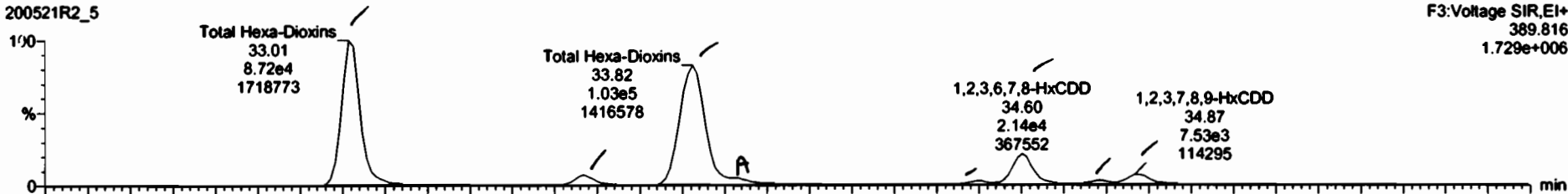
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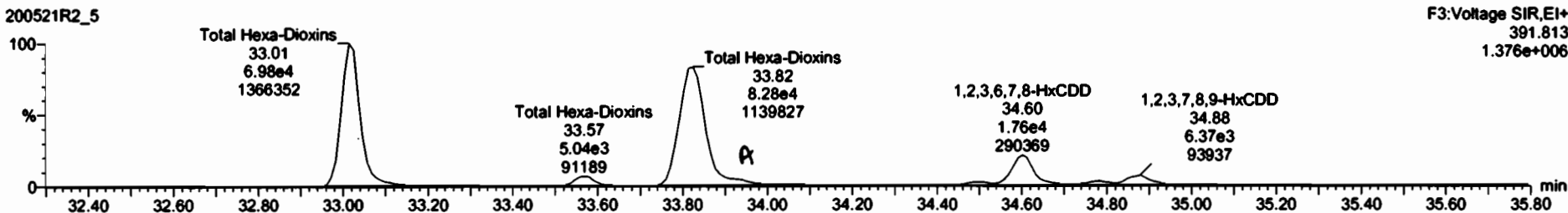
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1,2,3,4,7,8-HxCDD

200521R2_5

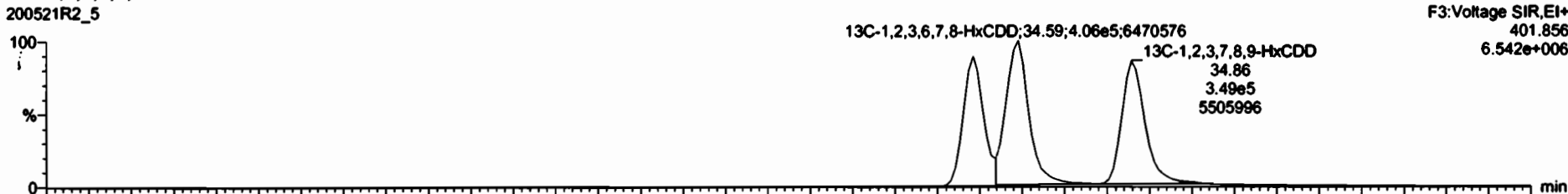


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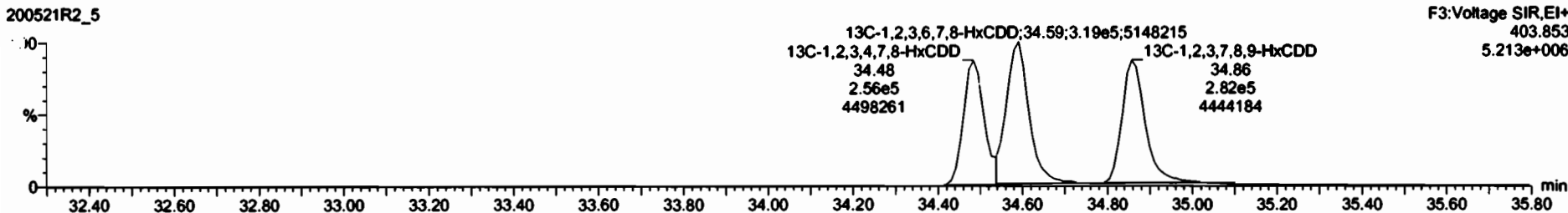


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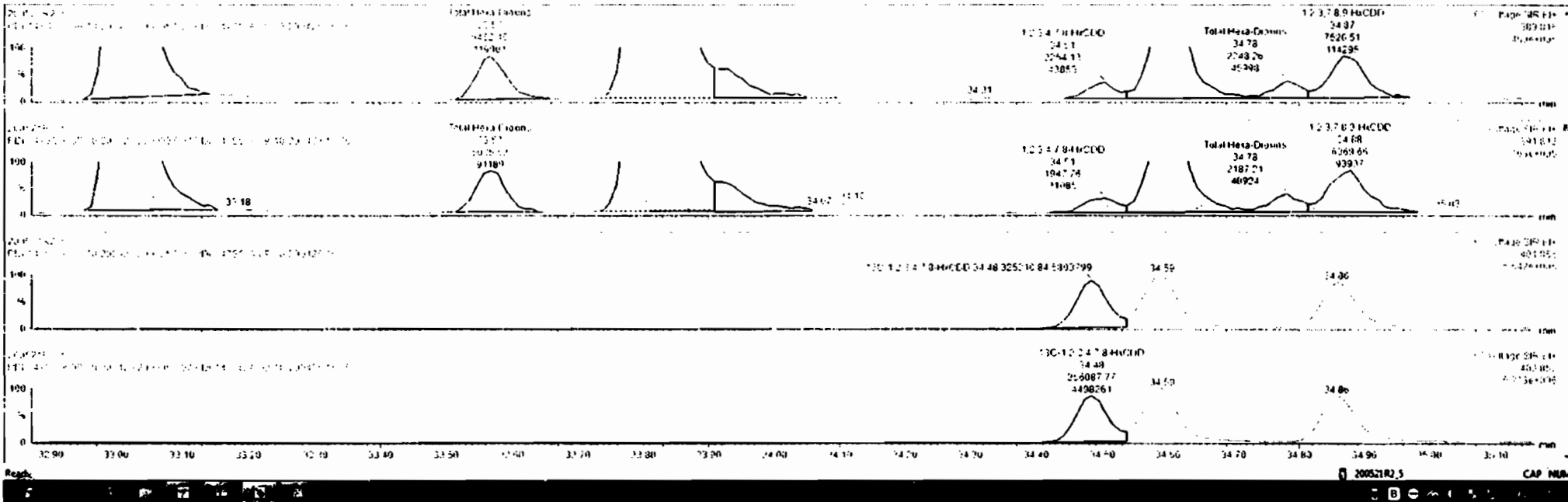


200521R2_5



SI	Name	Resp	RA	WY	RRF	WVAL	RT	RPT	Conc	%Rec	DL	EMPC
39	Total Meta-Digms				0.9475	10.017						2.87
40	Total Meta-Digms				0.9425	10.017						8.16

SI	Name	RT	h1 Resp	h2 Resp	RA	WY	EMPC	Conc
1	Total Meta-Digms	33.93	6.7142e4	6.9802e4	1.24	NO	1.114	1.12e4
2	Total Meta-Digms	33.57	4.46e7	4.075e3	1.16	NO	1.0593	2.9851
3	Total Meta-Digms	33.6	4.56e4	4.54e4	1.25	NO	4.4509	5.9495
4	Total Meta-Digms	33.51	4.320e3	4.453e3	1.18	NO	3.0744	1.2744
5	Total Meta-Digms	34.53	2.24e2	9.45e3	1.16	NO	1.1766	1.1968
6	Total Meta-Digms	34.00	1.14e4	1.761e4	1.22	NO	11.761	1.12e4
7	Total Meta-Digms	34.20	1.34e2	2.167e3	1.07	NO	1.5242	1.53e4
8	Total Meta-Digms	34.50	1.17e3	8.270e4	1.18	NO	4.514	4.51e4



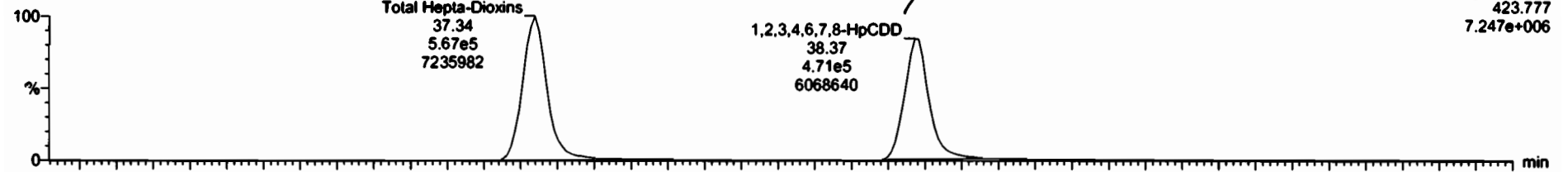
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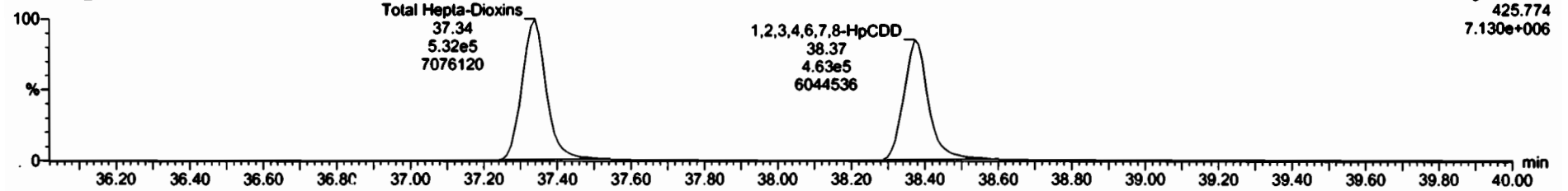
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1,2,3,4,6,7,8-HpCDD

200521R2_5

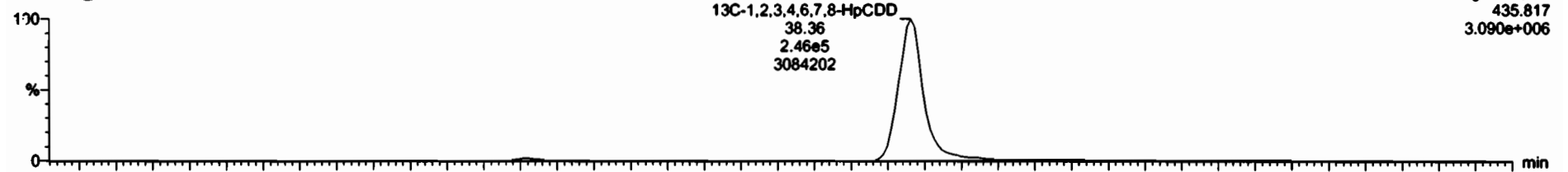


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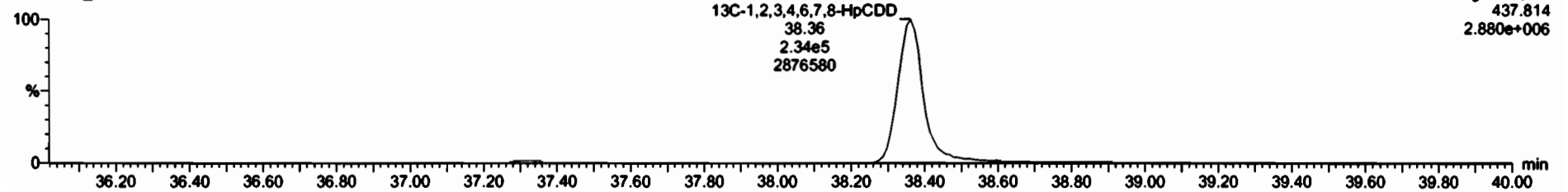


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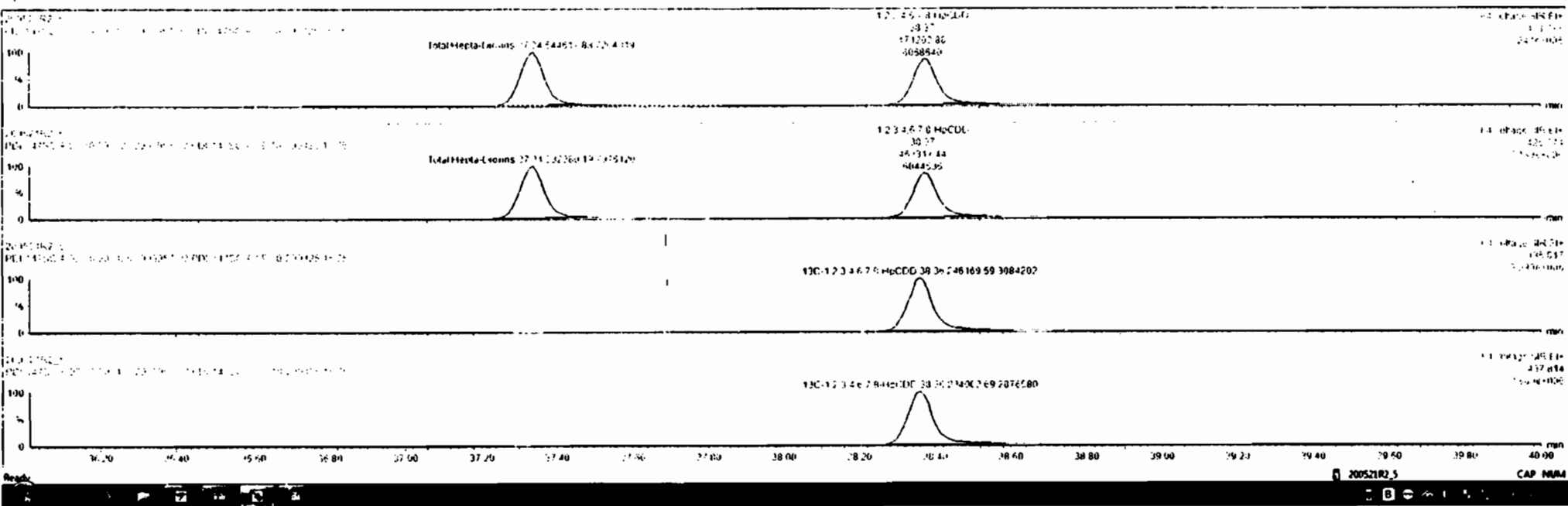


200521R2_5



Name	Resp	RA	ry	RRF	α-Pol	RT	RRT	Conc	%Rec	DL	EMPC
Total Hepta-Chloro				0.0079	10.003			800	1.27	0.30	
Total Hepta-Chloro				0.0079	10.012			80.4	0.100	0.30	

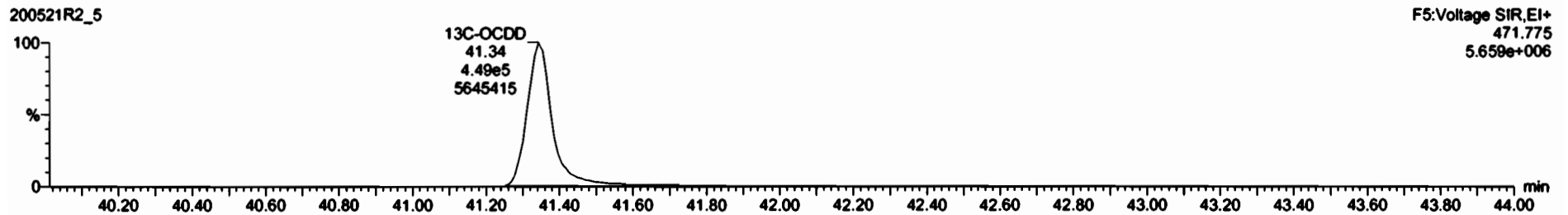
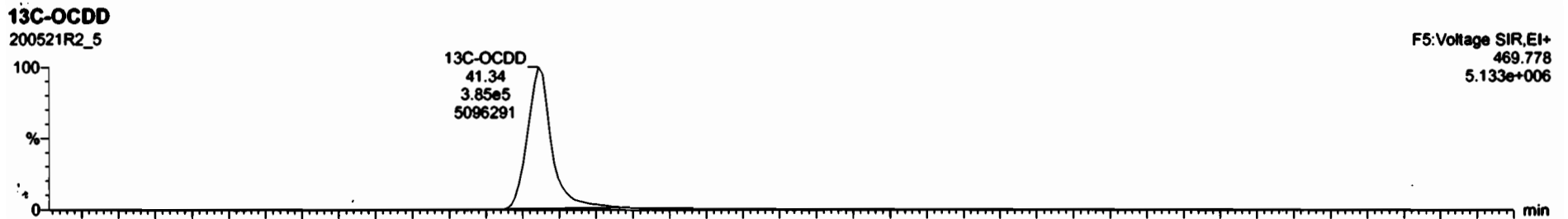
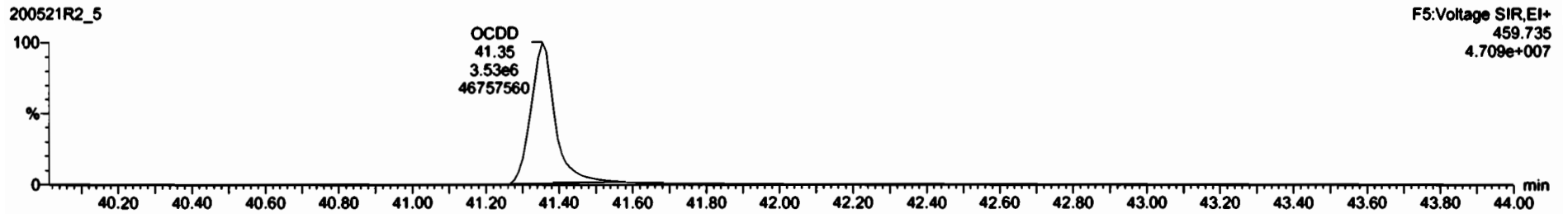
Name	RT	air Resp	so2 Resp	RA	ry	EMPC	Conc.
Total Hepta-Chloro	37.32	4.84e5	4.72e5	0.97	0.73	495.97	456.92
1,2,3,4,6,7,8-HpCCL	38.37	4.71e5	4.52e5	0.96	0.60	452.95	4.253



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Name: 200521R2_5, Date: 21-May-2020, Time: 16:10:17, ID: 2000957-07 PDI-147SC-A-09-10-200425 15.75, Description: PDI-147SC-A-09-10-200425

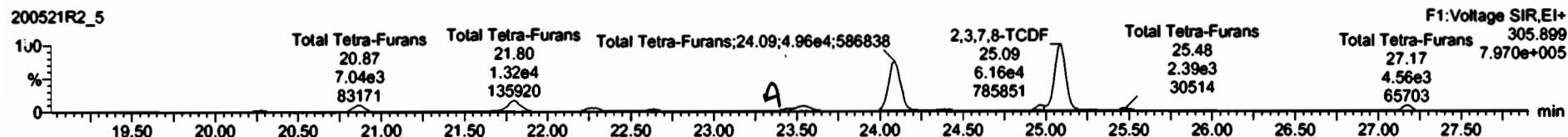
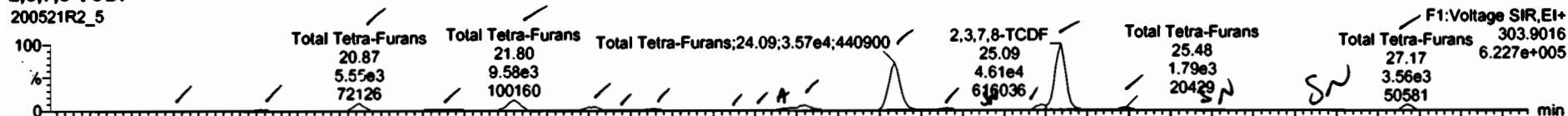


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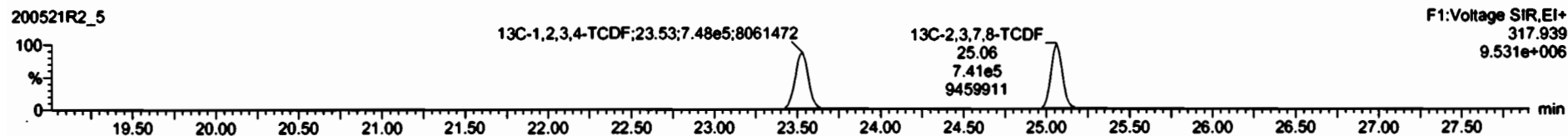
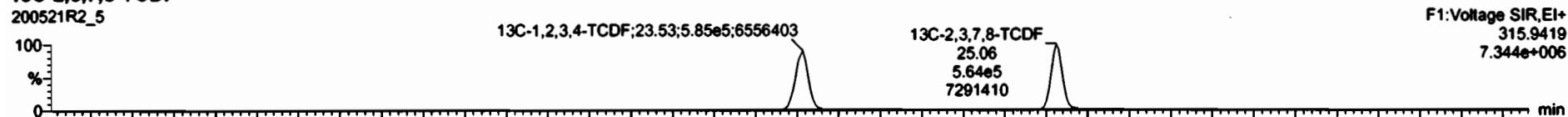
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Name: 200521R2_5, Date: 21-May-2020, Time: 16:10:17, ID: 2000957-07 PDI-147SC-A-09-10-200425 15.75, Description: PDI-147SC-A-09-10-200425

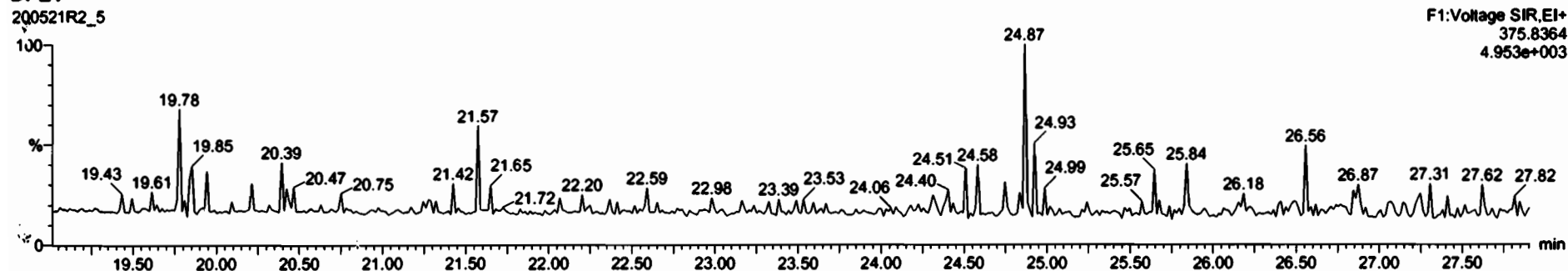
2,3,7,8-TCDF



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

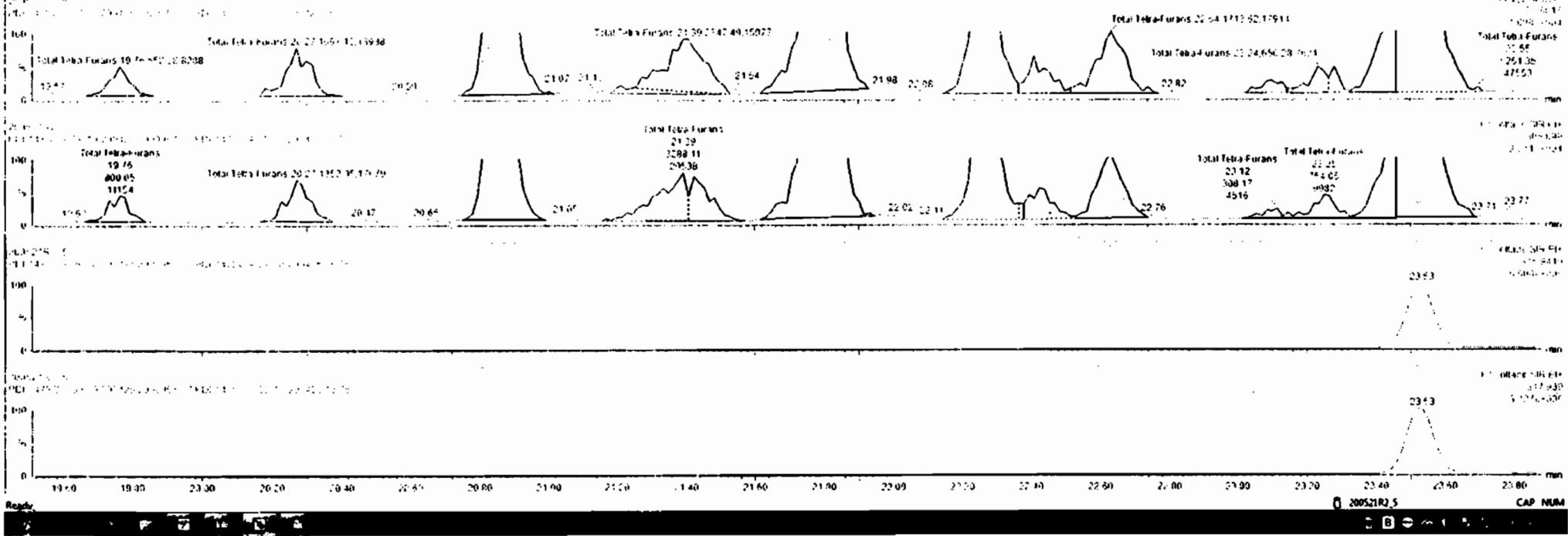


DPE1



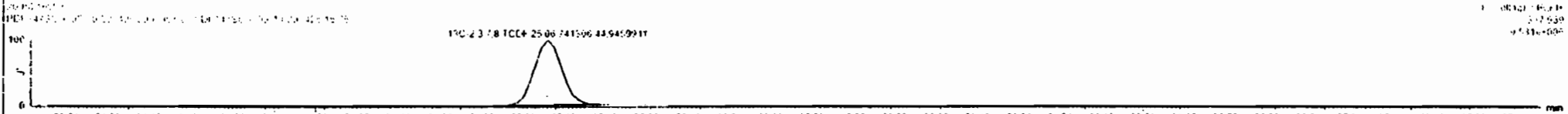
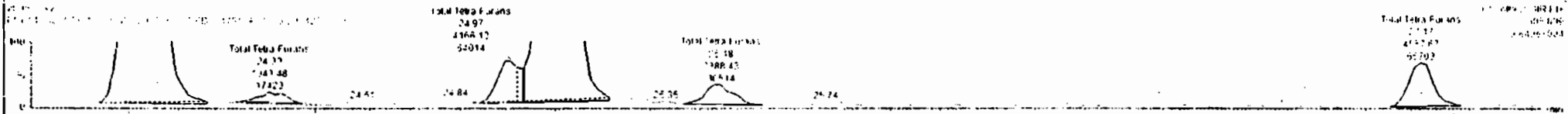
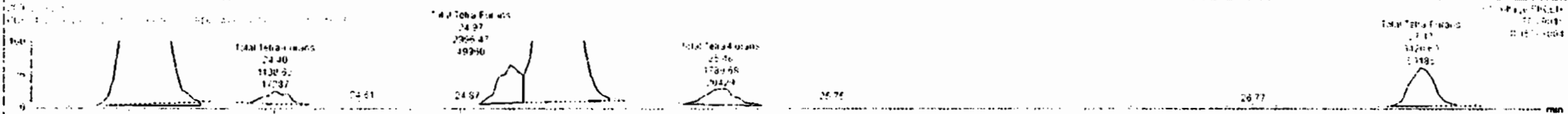
#1	Name	Resp	HA	inj	RRF	WPeak	RT	RRT	Calc	%Rec	DL	EMPC
42	Total Tetra Furans				0.9575	10.01			53.0		1.7	5.7
43	Total Tetra Furans				0.7871	18.88			94.8		0.180	50.0

#1	Name	RT	m1 Resp	m2 Resp	Rd	inj	EMPC	Calc
1	Total Tetra Furans	19.76	100.00	0.0000	0.00	inj	0.0000	0.0000
2	Total Tetra Furans	19.77	100.00	0.0000	0.00	inj	0.0000	0.0000
3	Total Tetra Furans	19.77	100.00	0.0000	0.00	inj	0.0000	0.0000
4	Total Tetra Furans	21.15	100.00	0.0000	0.00	inj	0.0000	0.0000
5	Total Tetra Furans	21.50	100.00	0.0000	0.00	inj	0.0000	0.0000
6	Total Tetra Furans	22.25	100.00	0.0000	0.00	inj	0.0000	0.0000
7	Total Tetra Furans	22.41	100.00	0.0000	0.00	inj	0.0000	0.0000
8	Total Tetra Furans	22.54	100.00	0.0000	0.00	inj	0.0000	0.0000
9	Total Tetra Furans	22.70	100.00	0.0000	0.00	inj	0.0000	0.0000
10	Total Tetra Furans	22.76	100.00	0.0000	0.00	inj	0.0000	0.0000
11	Total Tetra Furans	23.46	100.00	0.0000	0.00	inj	0.0000	0.0000
12	Total Tetra Furans	23.55	100.00	0.0000	0.00	inj	0.0000	0.0000



Name	Resp	RA	inj	RRF	injVol	RT	RRT	Conc	%Rec	DL	EMPC
42 Total Toluene				0.8575	10.611			532	1.27	532	
43 Total Toluene				0.7871	10.813			98.8	0.100	98.8	

Name	RT	inj Resp	inj Conc	RA	inj	EMPC	Conc
7 Total Toluene	24.43	7.42e2	1.05e1	0.70	NO	0.4601	0.25e1
8 Total Toluene	24.74	1.71e1	2.41e1	0.71	NO	0.6217	0.20e1
9 Total Toluene	24.70	7.57e2	1.06e1	0.70	NO	0.17545	4.109e9
10 Total Toluene	24.24	6.56e2	5.41e2	0.67	NO	0.27411	0.27411
11 Total Toluene	24.40	1.39e2	1.97e1	0.70	NO	0.41201	1.427e1
12 Total Toluene	24.51	5.26e1	7.22e1	0.70	NO	1.42e1	4.57
13 Total Toluene	24.65	1.47e4	6.22e4	0.70	NO	16.021	1.6821
14 Total Toluene	24.40	1.13e3	1.24e3	0.68	NO	0.44242	0.44242
15 Total Toluene	24.97	5.96e1	4.16e1	0.70	NO	1.1521	1.1521
16 7-B.T. Di	24.09	4.80e1	6.14e1	0.70	NO	20.86	20.86
17 Total Toluene	24.40	1.79e3	2.75e1	0.70	NO	0.8124	0.110e1
18 Total Toluene	24.41	2.421e2	4.17e1	0.70	NO	1.5521	1.5521



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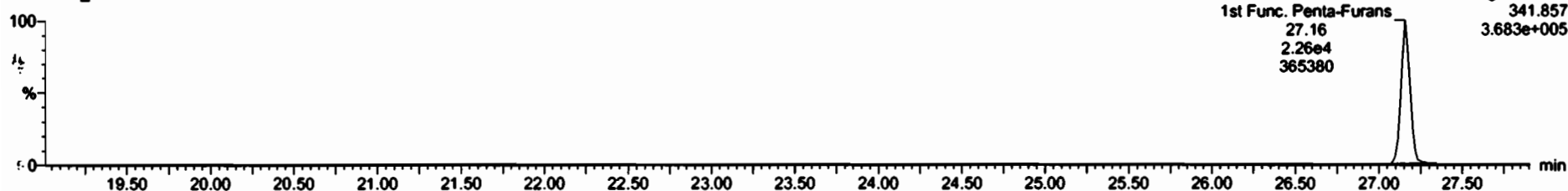
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Name: 200521R2_5, Date: 21-May-2020, Time: 16:10:17, ID: 2000957-07 PDI-147SC-A-09-10-200425 15.75, Description: PDI-147SC-A-09-10-200425

1st Func. Penta-Furans
200521R2_5

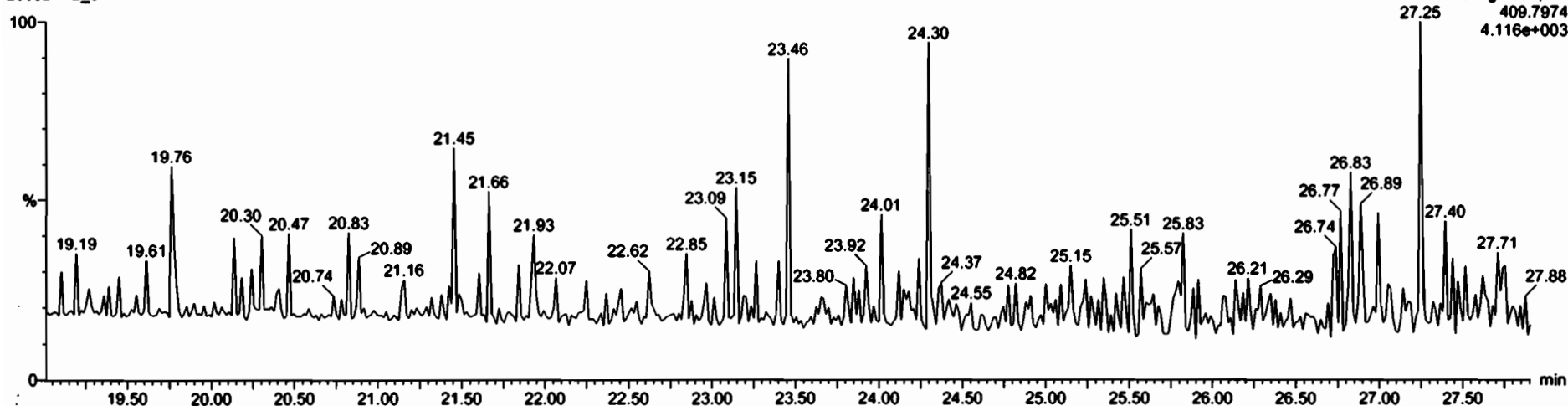


200521R2_5



DPE6

200521R2_5

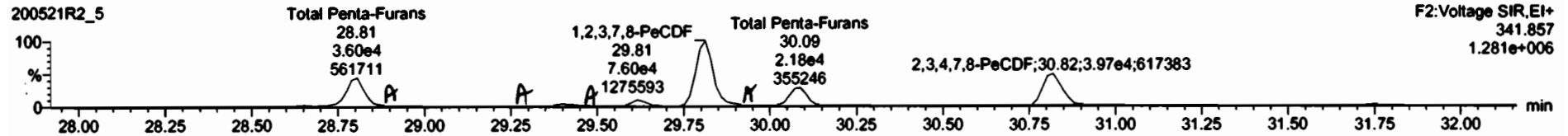
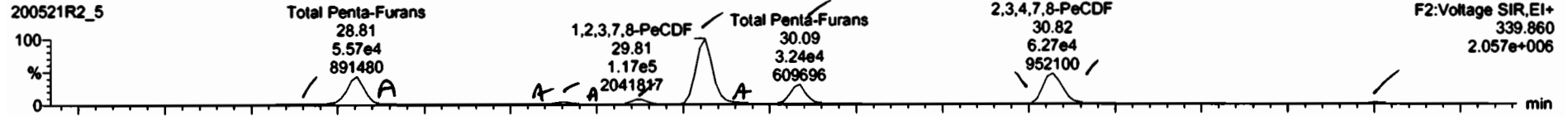


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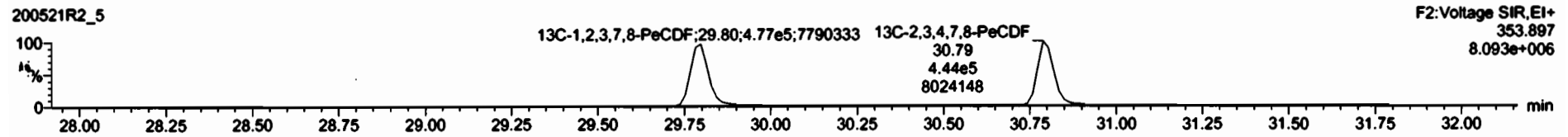
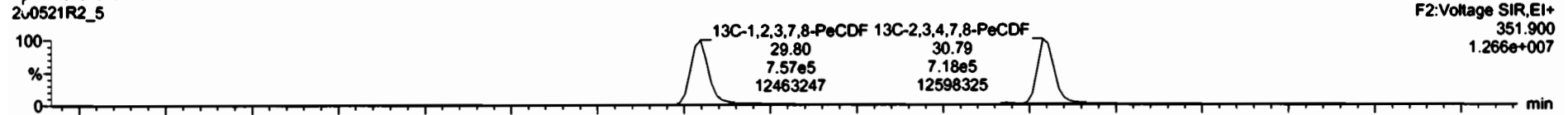
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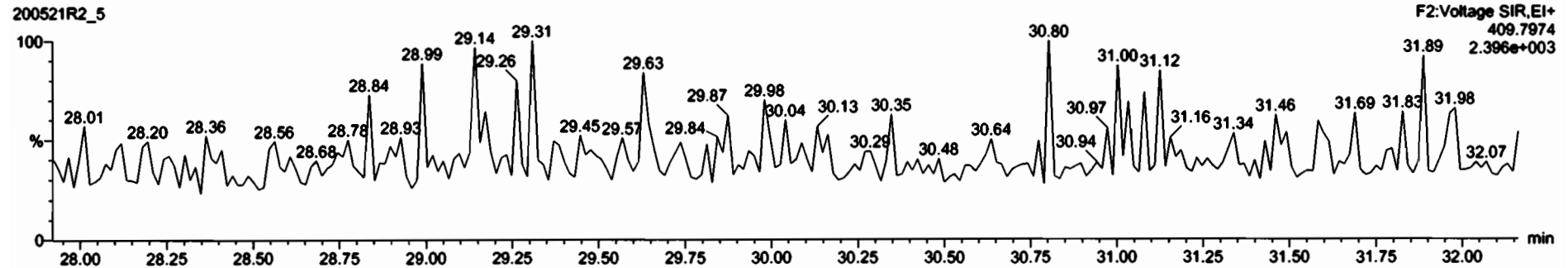
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13C-1,2,3,7,8-PeCDF

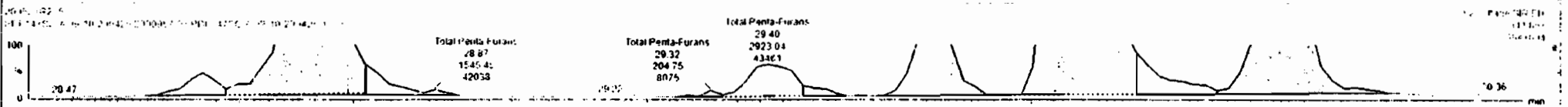
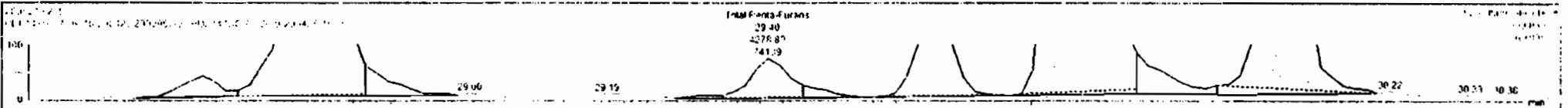


DPE2



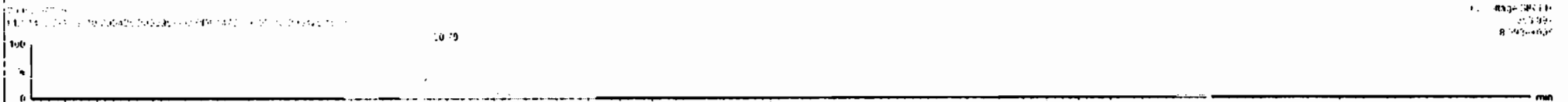
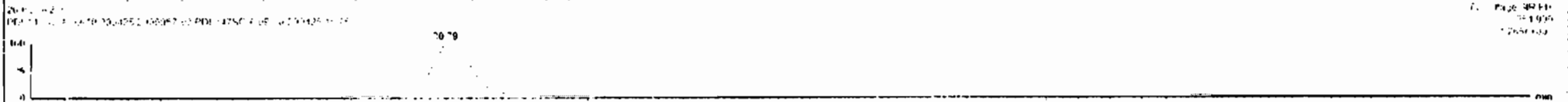
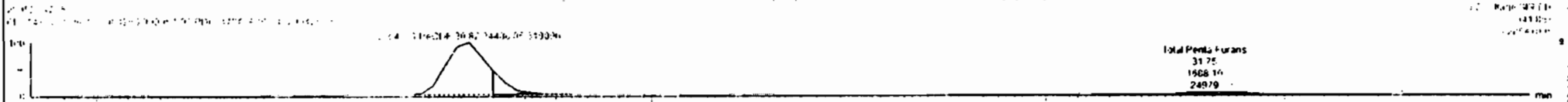
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45	Total Penta-Furans				0.0182	10.003			64.9		0.164	88.0
48	Total Hexa-Furans				0.0117	10.011			102		0.176	121

#1	Name	RT	wt Resp	mg Resp	RA	Qty	EMPC	Conc
1	Total Penta-Furans	28.65	2.371e3	7.421e3	1.6	NO	0.74260	0.16890
2	Total Penta-Furans	28.81	5.434e4	1.515e4	1.54	NO	16.401	15.401
3	Total Penta-Furans	28.87	2.227e3	1.544e3	1.51	NO	0.70562	0.70952
4	Total Penta-Furans	29.31	2.300e2	2.047e2	1.37	NO	0.085832	0.388812
5	Total Penta-Furans	29.40	4.275e3	2.923e3	1.48	NO	1.7197	0.60060
6	Total Penta-Furans	29.45	8.156e2	1.128e2	1.60	NO	0.4417	0.00006
7	Total Penta-Furans	29.61	5.847e3	5.902e1	1.45	NO	2.9227	0.3227
8	1,2,3,7,8-PeCDF	29.51	1.187e5	7.702e4	1.56	NO	37.732	0.727
9	Total Penta-Furans	29.59	3.476e2	2.454e3	1.42	NO	1.0667	0.1657
10	Total Penta-Furans	30.04	5.171e4	2.184e4	1.57	NO	16.267	10.267
11	2,3,4,7,8-PeCDF	30.02	6.271e4	7.909e4	1.58	NO	18.222	11.222
12	Total Penta-Furans	31.25	2.151e3	1.674e3	1.40	NO	0.74054	0.74054



#	Name	Resp	RA	Qty	RRF	RPVol	RT	RRT	Calc	%Rec	DL	EMPC
05	Total Penta-Furans				0.0102	10.813			04.0		0.104	85.2
06	Total Penta-Furans				0.621	10.01			102		0.256	102

#	Name	RT	int Resp	m2 Resp	RA	Qty	EMPC	Calc
1	Total Penta-Furans	28.61	2.711e3	1.427e3	1.41	NO	0.74529	0.74080
2	Total Penta-Furans	28.31	5.344e4	2.510e4	1.54	NO	10.421	1.402
3	Total Penta-Furans	28.87	1.227e3	1.545e3	1.41	NO	0.70562	0.70962
4	Total Penta-Furans	28.31	2.800e2	2.047e2	1.27	NO	0.06023	2.82632
5	Total Penta-Furans	26.46	4.75e3	2.923e3	1.46	NO	1.1197	0.00006
6	Total Penta-Furans	25.41	8.156e2	1.75e2	1.20	NO	0.24417	0.00006
7	Total Penta-Furans	29.61	9.443e3	5.504e2	1.45	NO	2.907	1.327
8	Total Penta-Furans	26.51	1.896e4	7.304e4	1.48	NO	11.113	1.131
9	Total Penta-Furans	29.36	3.876e3	2.454e3	1.42	NO	1.680	1.387
10	Total Penta-Furans	30.09	1.427e4	1.684e4	1.51	NO	10.467	1.124
11	Total Penta-Furans	30.65	1.286e4	1.443e4	1.52	NO	11.465	1.142
12	Total Penta-Furans	30.21	6.106e2	1.04e3	1.31	NO	1.004	1.004
13	Total Penta-Furans	31.71	2.755e2	1.568e2	1.20	NO	0.74714	0.74074

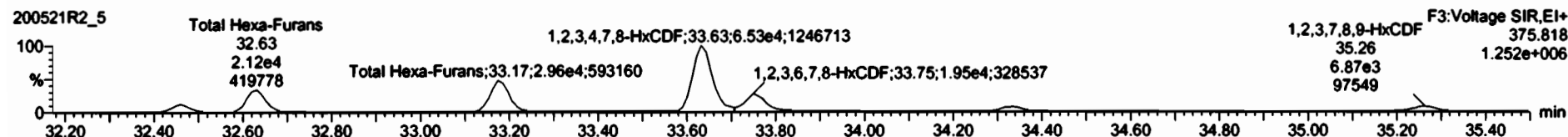
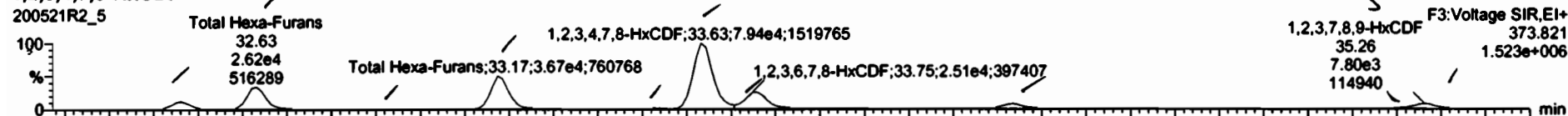


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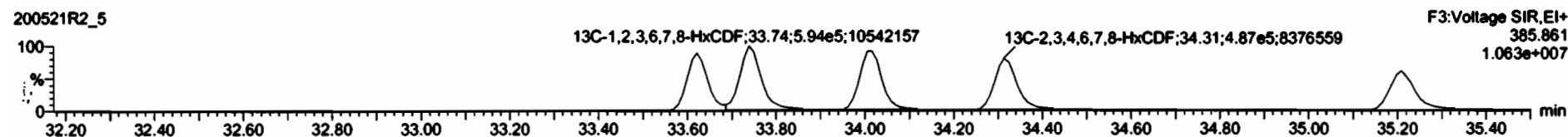
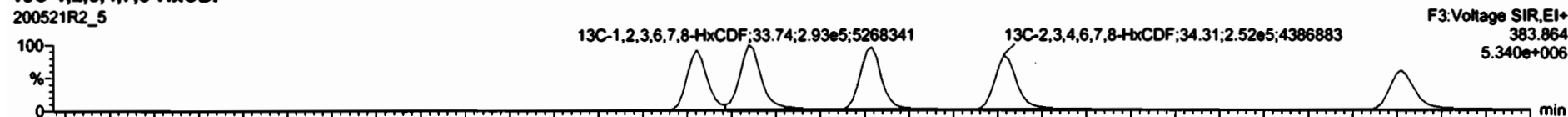
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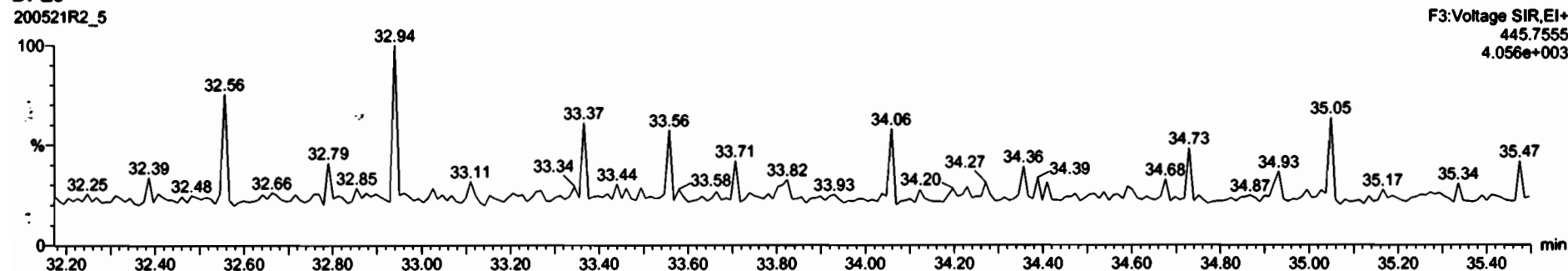
1,2,3,4,7,8-HxCDF



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

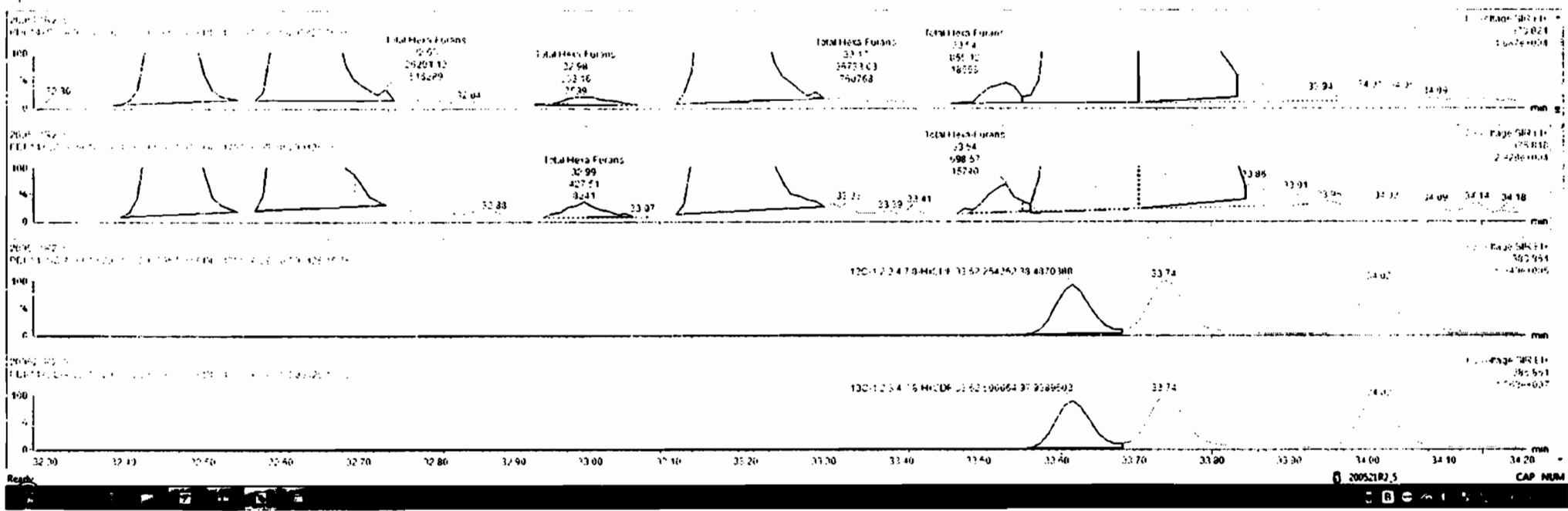


DPE3



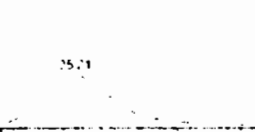
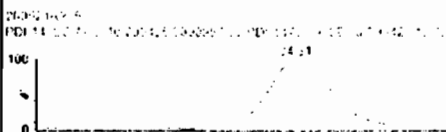
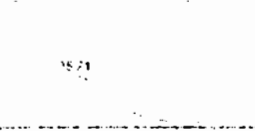
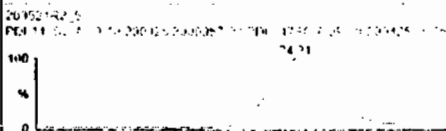
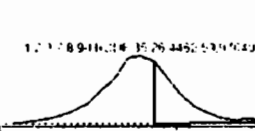
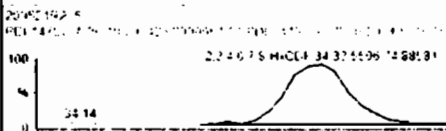
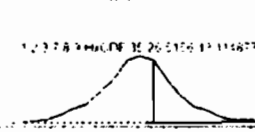
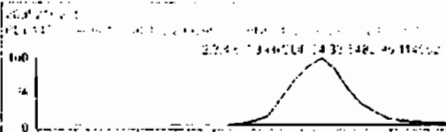
Name	Resp	RA	inj	RRF	WtVol	RT	RRT	Conc	%Rec	DL	EMPC
05 Total Hexa Furans				0.910	10.015			945	0.174	36.7	
06 Total Hexa Furans				0.9217	10.013			104	0.230	104	

Name	RT	Int Resp	Int Resp	RA	inj	EMPC	Conc
1 Total Hexa Furans	32.36	1.111e4	1.10e1	1.22	NO	4.7087	1.107
2 Total Hexa Furans	32.42	1.111e4	1.10e1	1.22	NO	11.627	1.151
3 Total Hexa Furans	32.50	1.111e4	1.10e1	1.22	NO	6.2750	0.2750
4 Total Hexa Furans	32.57	1.111e4	1.10e1	1.22	NO	11.674	1.107
5 Total Hexa Furans	32.58	6.441e2	1.06e2	1.24	NO	0.44067	0.44067
6 1,2,3,4,7,8-HxCDF	32.59	1.547e4	0.571e4	1.22	NO	4.511	4.511
7 1,2,3,4,7,8-HxCDF	32.59	1.101e4	1.301e4	1.25	NO	10.009	10.009
8 1,2,3,4,7,8-HxCDF	32.59	6.441e2	1.06e2	1.24	NO	0.44067	0.44067
9 1,2,3,7,8-HxCDF	32.59	1.101e4	0.371e4	1.11	NO	8.3228	8.3228



Name	Resp	RA	nY	RRF	wVol	RT	RRT	Conc	NRec	DL	EMPC
45 Total Hexa Furans				0.9217	10.011			141		0.144	26.1
46 Total Hexa Furans				0.9217	10.011			101		0.290	101

Name	RT	Int Resp	Int Conc	RA	nY	EMPC	Conc
1 Total Hexa Furans	12.46	9.211e4	1.3e3	1.00	NO	4.7687	4.7687
2 Total Hexa Furans	12.63	7.526e4	1.14e4	1.00	NO	1.1421	1.1421
3 Total Hexa Furans	12.95	1.122e2	4.27e2	1.00	NO	0.27563	0.27563
4 Total Hexa Furans	13.17	2.871e4	1.961e4	1.00	NO	15.054	15.054
5 Total Hexa Furans	13.24	8.571e2	4.90e2	1.00	NO	0.44857	0.44857
1.2.3.4.7.8.HxCDF	13.63	2.241e4	1.01e4	1.00	NO	42.611	42.611
1.2.3.4.7.8.HxCDF	13.74	2.71e4	1.16e4	1.00	NO	10.309	10.309
2.3.4.6.7.8.HxCDF	14.32	8.421e3	4.607e3	1.00	NO	3.5158	3.5158
1.2.3.7.8.HxCDF	15.25	5.115e3	4.467e3	1.00	NO	3.4832	3.4832
Total Hexa Furans	16.21	1.12e5	1.24e5	1.00	NO	1.4218	1.4218



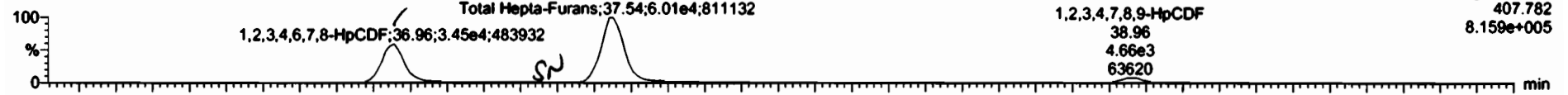
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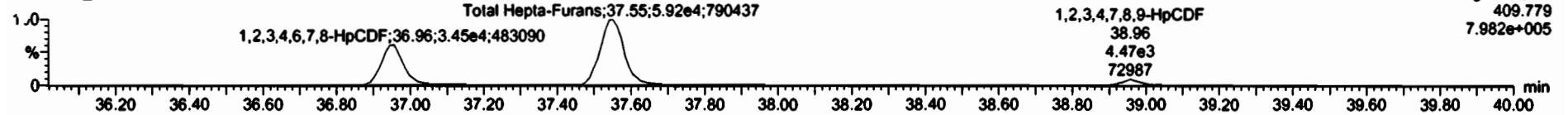
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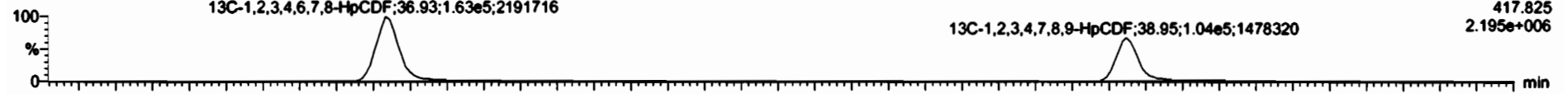


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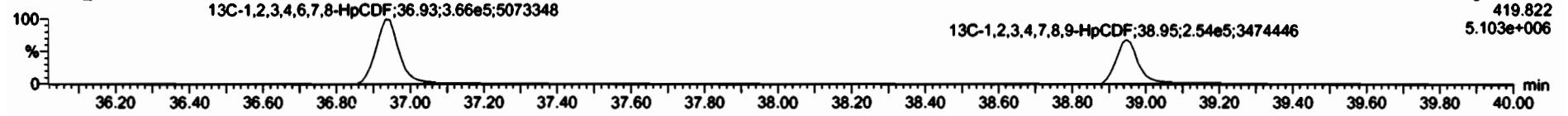


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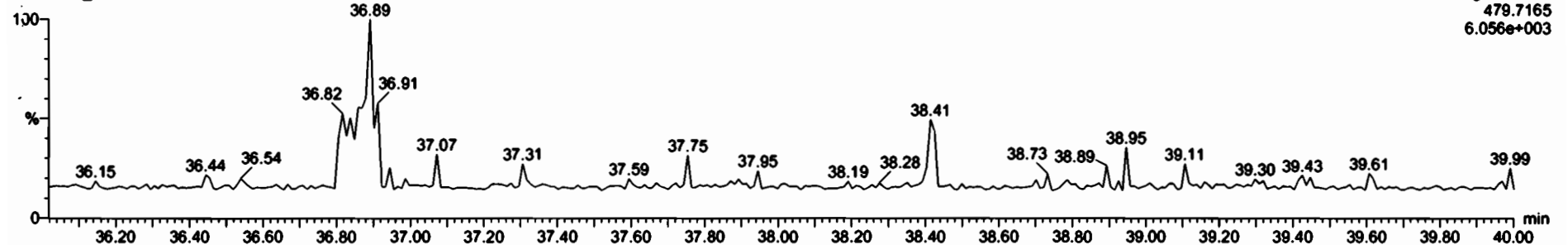


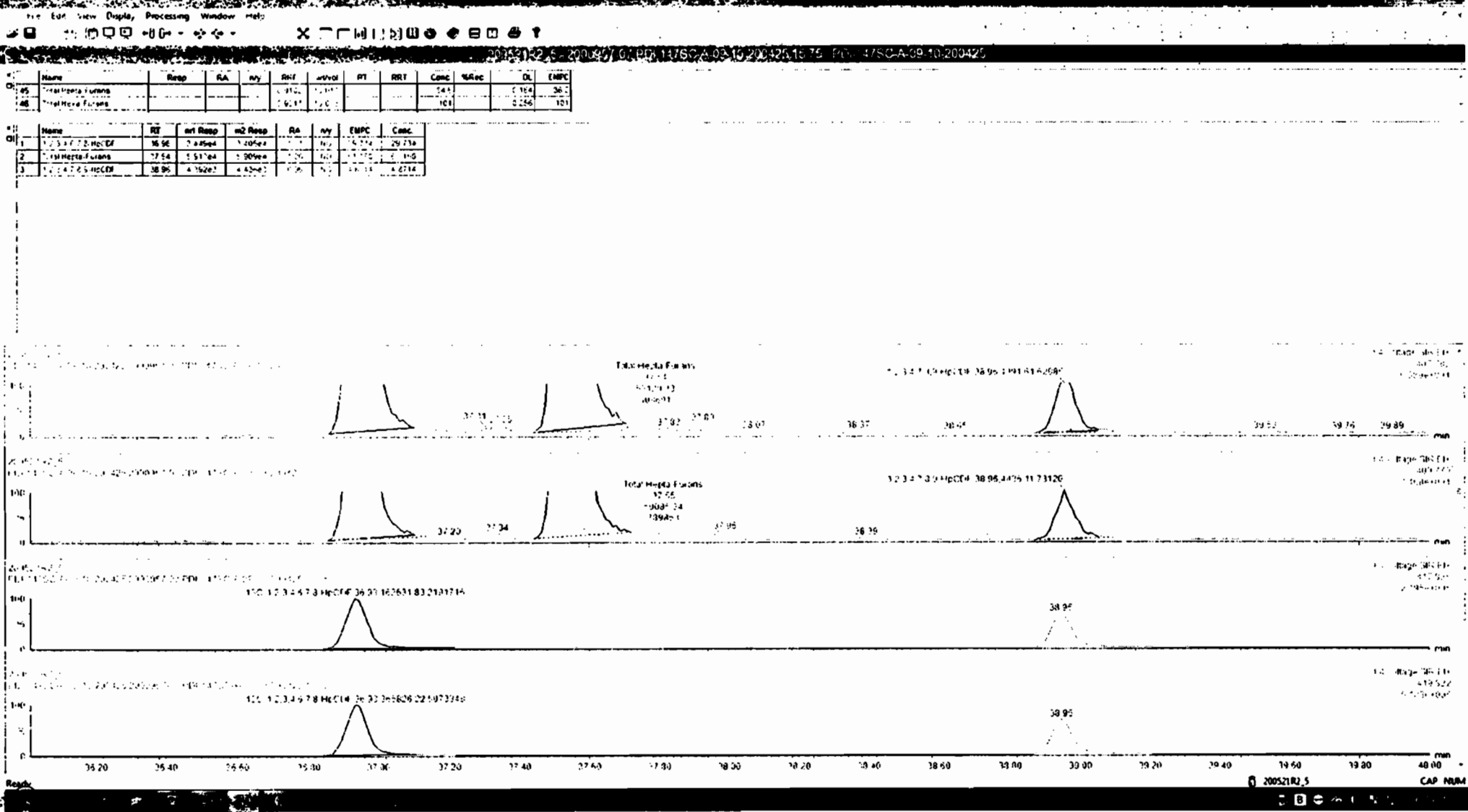
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DPE4

200521R2_5

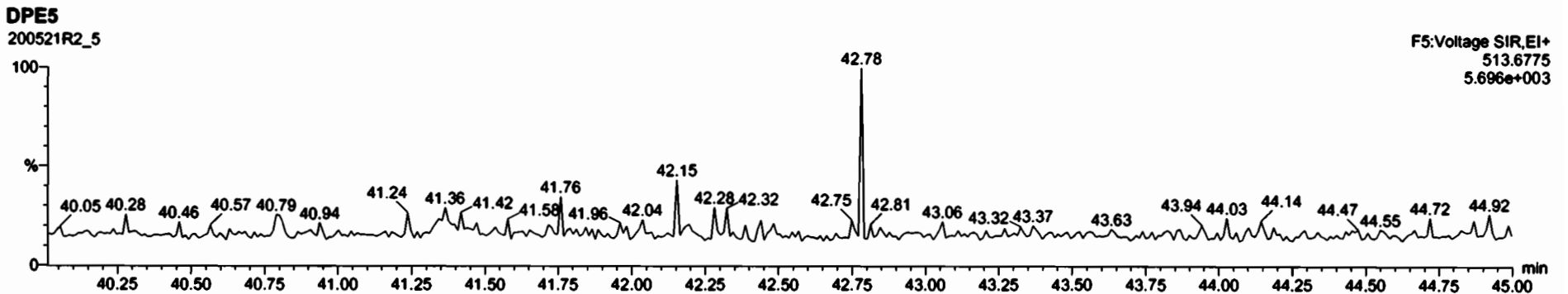
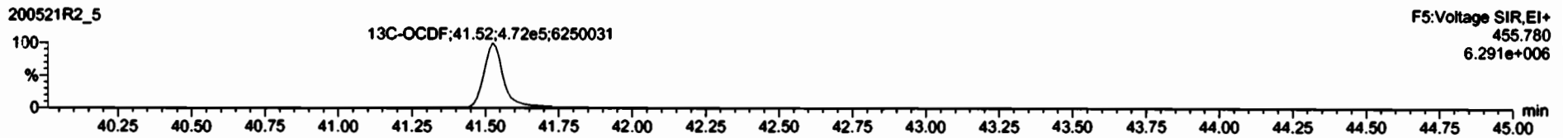
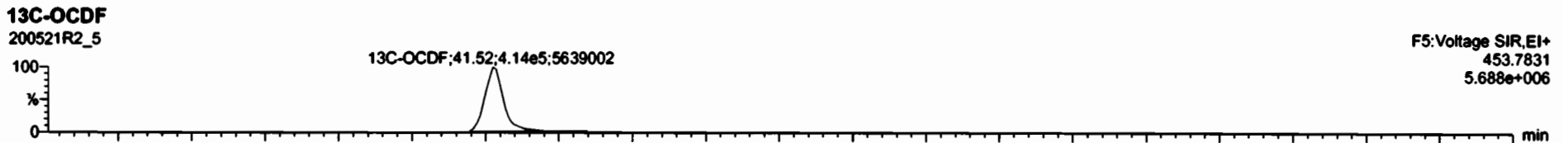
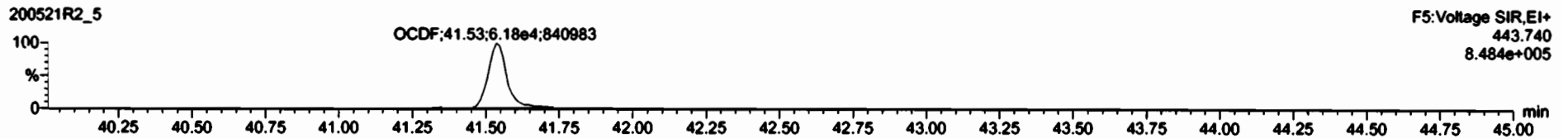
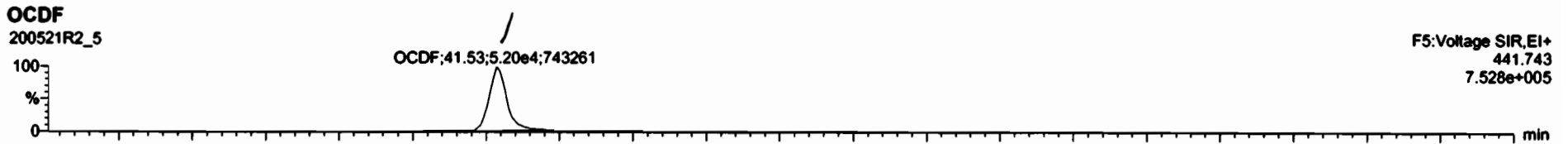




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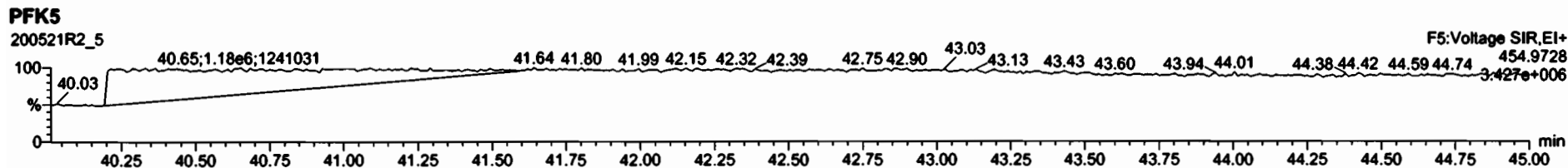
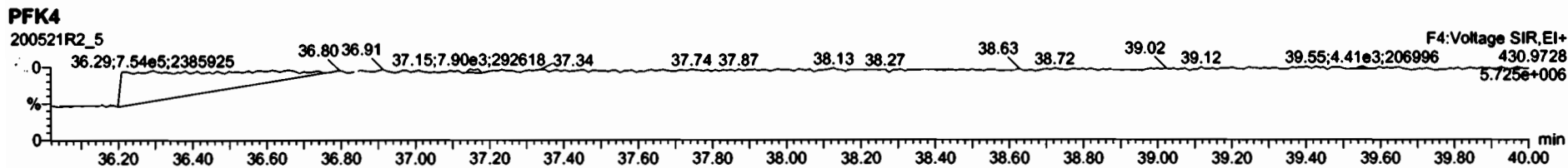
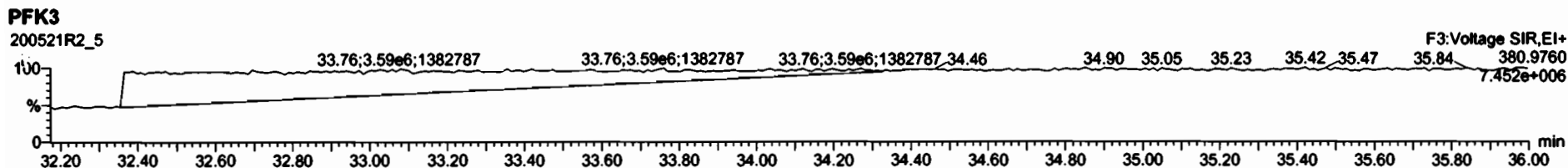
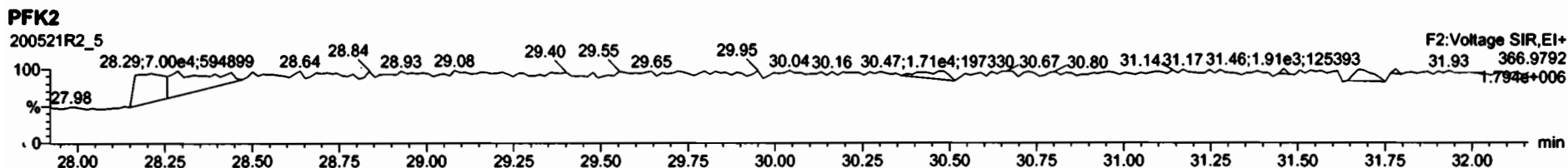
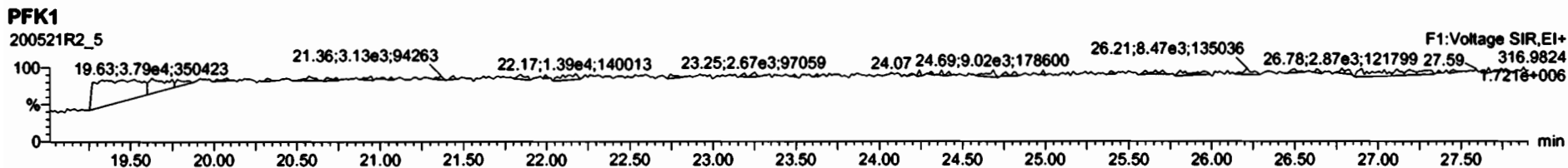
Name: 200521R2_5, Date: 21-May-2020, Time: 16:10:17, ID: 2000957-07 PDI-147SC-A-09-10-200425 15.75, Description: PDI-147SC-A-09-10-200425



Dataset: Untitled

Last Altered: Friday, May 22, 2020 7:58:05 AM Pacific Daylight Time
Printed: Friday, May 22, 2020 7:58:30 AM Pacific Daylight Time

Name: 200521R2_5, Date: 21-May-2020, Time: 16:10:17, ID: 2000957-07 PDI-147SC-A-09-10-200425 15.75, Description: PDI-147SC-A-09-10-200425



Dataset: U:\VG12.PRO\Results\200521R2\200521R2-6B.qld

Last Altered: Tuesday, June 02, 2020 10:19:56 Pacific Daylight Time
Printed: Tuesday, June 02, 2020 10:20:51 Pacific Daylight Time

GRB 06/02/2020

C1 06/02/2020

Method: Untitled 29 Apr 2020 14:28:02

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200521R2_6, Date: 21-May-2020, Time: 16:56:31, ID: 2000957-08 PDI-147SC-A-10-11-200425 16.14, Description: PDI-147SC-A-10-11-200425

#	Comp	RA	ny	RRF	wVol	Pred.RT	RT	Ind.RRT	RRT	Conc.	DL	UIPO	
1	2,3,7,8-TCDD	2.07e3	0.66	NO	0.947	10.012	26.036	26.03	1.001	1.001	0.50000	0.161	0.500
2	1,2,3,7,8-PeCDD	3.14e3	0.73	YES	0.942	10.012	31.132	31.14	1.001	1.001	1.0191	0.233	0.963
3	1,2,3,4,7,8-HxCDD	2.74e3	1.21	NO	1.06	10.012	34.505	34.51	1.000	1.000	1.1568	0.334	1.16
4	1,2,3,6,7,8-HxCDD	2.44e4	1.25	NO	0.915	10.012	34.590	34.61	1.000	1.001	9.2040	0.350	9.20
5	1,2,3,7,8,9-HxCDD	7.27e3	1.32	NO	0.915	10.012	34.878	34.88	1.000	1.000	3.1762	0.397	3.18
6	1,2,3,4,6,7,8-HpCDD	5.08e5	1.02	NO	0.898	10.012	38.383	38.38	1.000	1.000	305.26	1.16	305
7	OCDD	4.36e6	0.88	NO	0.933	10.012	41.354	41.36	1.000	1.000	2611.0	1.27	2610
8	2,3,7,8-TCDF	6.07e4	0.75	NO	0.787	10.012	25.102	25.09	1.001	1.001	14.722	0.188	14.7
9	1,2,3,7,8-PeCDF	6.27e4	1.52	NO	0.910	10.012	29.819	29.81	1.001	1.001	14.682	0.159	14.7
10	2,3,4,7,8-PeCDF	2.92e4	1.47	NO	0.966	10.012	30.825	30.82	1.001	1.000	6.6600	0.150	6.66
11	1,2,3,4,7,8-HxCDF	6.50e4	1.25	NO	0.878	10.012	33.621	33.64	1.000	1.001	25.693	0.261	25.7
12	1,2,3,6,7,8-HxCDF	2.06e4	1.14	NO	0.874	10.012	33.759	33.76	1.000	1.000	6.8170	0.238	6.82
13	2,3,4,6,7,8-HxCDF	7.14e3	1.14	NO	0.922	10.012	34.358	34.33	1.001	1.000	2.6970	0.261	2.70
14	1,2,3,7,8,9-HxCDF	4.76e3	1.31	NO	0.864	10.012	35.219	35.26	1.000	1.001	2.2935	0.377	2.29
15	1,2,3,4,6,7,8-HpCDF	7.08e4	1.01	NO	0.871	10.012	36.981	36.97	1.001	1.001	39.024	0.512	39.0
16	1,2,3,4,7,8,9-HpCDF	6.67e3	0.93	NO	1.01	10.012	38.957	38.97	1.000	1.000	4.6848	0.571	4.68
17	OCDF	1.97e5	0.90	NO	0.802	10.012	41.545	41.54	1.000	1.000	126.57	0.379	127
18	13C-2,3,7,8-TCDD	8.72e5	0.81	NO	1.16	10.012	25.984	26.00	1.026	1.027	145.23	72.7	0.261
19	13C-1,2,3,7,8-PeCDD	6.54e5	0.83	NO	0.847	10.012	31.068	31.11	1.227	1.229	149.06	74.6	0.360
20	13C-1,2,3,4,7,8-HxCDD	4.44e5	1.27	NO	0.750	10.012	34.495	34.49	1.014	1.014	139.37	69.8	0.578
21	13C-1,2,3,6,7,8-HxCDD	5.79e5	1.28	NO	0.963	10.012	34.607	34.59	1.017	1.017	141.52	70.8	0.450
22	13C-1,2,3,7,8,9-HxCDD	5.00e5	1.30	NO	0.838	10.012	34.876	34.87	1.025	1.025	140.49	70.3	0.518
23	13C-1,2,3,4,6,7,8-HpCDD	3.71e5	1.03	NO	0.641	10.012	38.366	38.37	1.128	1.128	135.97	68.1	0.354
24	13C-OCDD	7.15e5	0.87	NO	0.586	10.012	41.359	41.35	1.216	1.216	287.14	71.9	0.473
25	13C-2,3,7,8-TCDF	1.05e6	0.76	NO	1.03	10.012	25.045	25.08	0.989	0.991	139.95	70.1	0.475
26	13C-1,2,3,7,8-PeCDF	9.37e5	1.58	NO	0.845	10.012	29.759	29.80	1.176	1.177	153.36	76.8	0.624
27	13C-2,3,4,7,8-PeCDF	9.08e5	1.58	NO	0.814	10.012	30.749	30.81	1.215	1.217	154.13	77.2	0.648
28	13C-1,2,3,4,7,8-HxCDF	5.76e5	0.50	NO	1.00	10.012	33.634	33.62	0.989	0.988	134.85	67.5	0.535
29	13C-1,2,3,6,7,8-HxCDF	6.90e5	0.50	NO	1.14	10.012	33.756	33.75	0.992	0.992	142.78	71.5	0.473
30	13C-2,3,4,6,7,8-HxCDF	5.74e5	0.51	NO	1.02	10.012	34.325	34.32	1.009	1.009	132.11	66.1	0.526
31	13C-1,2,3,7,8,9-HxCDF	4.80e5	0.49	NO	0.845	10.012	35.216	35.22	1.035	1.035	133.62	66.9	0.636

(13.6)

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-6B.qld

Last Altered: Tuesday, June 02, 2020 10:19:56 Pacific Daylight Time
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Name: 200521R2_6, Date: 21-May-2020, Time: 16:56:31, ID: 2000957-08 PDI-147SC-A-10-11-200425 16.14, Description: PDI-147SC-A-10-11-200425

Peak	Comp	RA	n/y	RRF	Wt/Vol	Prod.RT	RT	Prod.RRT	TRRT	Conc.	Wt/Vol	DA	EMPC	
32	13C-1,2,3,4,6,7,8-HpCDF	4.16e5	0.43	NO	0.771	10.012	36.947	36.94	1.086	1.086	126.96	63.6	0.486	
33	13C-1,2,3,4,7,8,9-HpCDF	2.81e5	0.40	NO	0.482	10.012	38.957	38.96	1.145	1.145	137.13	68.6	0.778	
34	13C-OCDF	7.75e5	0.87	NO	0.669	10.012	41.529	41.54	1.221	1.221	272.90	68.3	0.356	
35	37Cl-2,3,7,8-TCDD	3.25e5			1.10	10.012	26.015	26.03	1.028	1.028	57.107	71.5	0.0838	
36	13C-1,2,3,4-TCDD	1.03e6	0.79	NO	1.00	10.012	25.350	25.32	1.000	1.000	199.76	100	0.302	
37	13C-1,2,3,4-TCDF	1.45e6	0.78	NO	1.00	10.012	23.560	23.53	1.000	1.000	199.76	100	0.491	
38	13C-1,2,3,4,6,9-HxCDF	8.49e5	0.51	NO	1.00	10.012	34.000	34.01	1.000	1.000	199.76	100	0.537	
39	Total Tetra-Dioxins				0.947	10.012	24.620		0.000		4.5826		0.161	4.58
40	Total Penta-Dioxins				0.942	10.012	29.960		0.000		7.4713		0.233	9.68
41	Total Hexa-Dioxins				0.915	10.012	33.635		0.000		94.634		0.377	94.6
42	Total Hepta-Dioxins				0.898	10.012	37.640		0.000		764.44		1.16	764
43	Total Tetra-Furans				0.787	10.012	23.610		0.000		56.626		0.188	56.9
44	1st Func. Penta-Furans				0.910	10.012	27.090		0.000		13.979		0.0669	14.0
45	Total Penta-Furans				0.910	10.012	29.275		0.000		43.596		0.159	46.2
46	Total Hexa-Furans				0.922	10.012	33.555		0.000		79.081		0.266	79.1
47	Total Hepta-Furans				0.871	10.012	37.835		0.000		145.32		0.573	145

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-6B.qld

Last Altered: Tuesday, June 02, 2020 10:19:56 Pacific Daylight Time
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Method: Untitled 29 Apr 2020 14:28:02
 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200521R2_6, Date: 21-May-2020, Time: 16:56:31, ID: 2000957-08 PDI-147SC-A-10-11-200425 16.14, Description: PDI-147SC-A-10-11-200425

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPO	DL
Total Tetra-Dioxins	21.84	2.513e4	3.296e4	2.219e3	3.008e3	0.74	NO	5.227e3	1.2638	1.2638	0.161
Total Tetra-Dioxins	22.25	1.002e4	1.344e4	8.620e2	1.133e3	0.76	NO	1.995e3	0.48236	0.48236	0.161
Total Tetra-Dioxins	23.72	7.222e3	8.971e3	5.492e2	7.647e2	0.72	NO	1.314e3	0.31770	0.31770	0.161
Total Tetra-Dioxins	23.98	8.638e3	7.133e3	7.176e2	8.106e2	0.89	NO	1.528e3	0.36949	0.36949	0.161
Total Tetra-Dioxins	24.22	1.189e4	1.074e4	8.871e2	1.109e3	0.80	NO	1.996e3	0.48264	0.48264	0.161
Total Tetra-Dioxins	25.74	2.011e4	2.832e4	1.736e3	2.303e3	0.75	NO	4.039e3	0.97654	0.97654	0.161
2,3,7,8-TCDD	26.03	1.273e4	1.764e4	8.187e2	1.249e3	0.66	NO	2.068e3	0.50000	0.50000	0.161
Total Tetra-Dioxins	26.38	5.306e3	4.838e3	3.588e2	4.275e2	0.84	NO	7.863e2	0.19011	0.19011	0.161

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPO	DL
Total Penta-Dioxins	28.87	4.092e4	6.725e4	3.415e3	5.855e3	0.58	NO	9.270e3	3.0044	3.0044	0.233
Total Penta-Dioxins	29.35	1.540e4	2.153e4	8.901e2	1.558e3	0.57	NO	2.448e3	0.79356	0.79356	0.233
Total Penta-Dioxins	29.86	3.885e4	4.185e4	1.964e3	2.712e3	0.72	NO	4.676e3	1.5154	1.5154	0.233
Total Penta-Dioxins	30.04	2.240e4	4.571e4	1.478e3	2.257e3	0.65	NO	3.735e3	1.2104	1.2104	0.233
Total Penta-Dioxins	30.12	1.667e4	1.926e4	6.964e2	1.276e3	0.55	NO	1.972e3	0.63919	0.63919	0.233
Total Penta-Dioxins	30.36	1.751e4	3.031e4	1.116e3	2.003e3	0.56	NO	0.000e0	0.00000	1.0108	0.233
Total Penta-Dioxins	30.39	1.223e4	1.505e4	2.752e2	4.394e2	0.63	NO	0.000e0	0.00000	0.23160	0.233
1,2,3,7,8-PeCDD	31.14	2.222e4	2.922e4	1.322e3	1.822e3	0.73	YES	3.144e3	0.00000	0.96272	0.233
Total Penta-Dioxins	31.22	6.520e3	1.899e4	3.548e2	5.965e2	0.59	NO	9.514e2	0.30834	0.30834	0.233

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-6B.qld

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Name: 200521R2_6, Date: 21-May-2020, Time: 16:56:31, ID: 2000957-08 PDI-147SC-A-10-11-200425 16.14, Description: PDI-147SC-A-10-11-200425

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	NY	Resp	Conc.	EMPC	DL
Total Hexa-Dioxins	33.03	8.784e5	7.165e5	4.329e4	3.456e4	1.25	NO	7.785e4	33.499	33.499	0.377
Total Hexa-Dioxins	33.58	8.137e4	7.180e4	4.223e3	3.667e3	1.15	NO	7.890e3	3.3950	3.3950	0.377
Total Hexa-Dioxins	33.83	7.472e5	5.934e5	4.994e4	4.024e4	1.24	NO	9.018e4	38.806	38.806	0.377
Total Hexa-Dioxins	33.94	8.129e4	7.183e4	5.063e3	4.081e3	1.24	NO	9.144e3	3.9347	3.9347	0.377
1,2,3,4,7,8-HxCDD	34.51	2.785e4	2.665e4	1.500e3	1.236e3	1.21	NO	2.736e3	1.1568	1.1568	0.334
1,2,3,6,7,8-HxCDD	34.61	2.240e5	1.676e5	1.357e4	1.082e4	1.25	NO	2.440e4	9.2040	9.2040	0.350
Total Hexa-Dioxins	34.79	3.270e4	2.200e4	1.886e3	1.514e3	1.25	NO	3.400e3	1.4630	1.4630	0.377
1,2,3,7,8,9-HxCDD	34.88	6.190e4	5.121e4	4.142e3	3.130e3	1.32	NO	7.272e3	3.1762	3.1762	0.397

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	NY	Resp	Conc.	EMPC	DL
Total Hepta-Dioxins	37.35	5.016e6	4.902e6	3.878e5	3.770e5	1.03	NO	7.648e5	459.17	459.17	1.16
1,2,3,4,6,7,8-HpCDD	38.38	3.230e6	3.232e6	2.565e5	2.519e5	1.02	NO	5.084e5	305.26	305.26	1.16

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-6B.qld

Last Altered: Tuesday, June 02, 2020 10:19:56 Pacific Daylight Time
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Name: 200521R2_6, Date: 21-May-2020, Time: 16:56:31, ID: 2000957-08 PDI-147SC-A-10-11-200425 16.14, Description: PDI-147SC-A-10-11-200425

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	nY	Resp	Conc	EMPC	DL
Total Tetra-Furans	19.78	7.060e3	1.068e4	6.537e2	9.223e2	0.71	NO	1.576e3	0.38195	0.38195	0.188
Total Tetra-Furans	20.30	1.637e4	2.473e4	1.384e3	1.917e3	0.72	NO	3.301e3	0.80004	0.80004	0.188
Total Tetra-Furans	20.87	8.399e4	1.208e5	7.786e3	1.013e4	0.77	NO	1.792e4	4.3425	4.3425	0.188
Total Tetra-Furans	21.32	1.297e4	1.390e4	8.424e2	1.025e3	0.82	NO	1.867e3	0.45250	0.45250	0.188
Total Tetra-Furans	21.42	1.895e4	2.590e4	2.150e3	3.044e3	0.71	NO	5.194e3	1.2587	1.2587	0.188
Total Tetra-Furans	21.81	8.297e4	1.067e5	8.153e3	1.127e4	0.72	NO	1.943e4	4.7079	4.7079	0.188
Total Tetra-Furans	22.28	4.105e4	5.211e4	3.885e3	4.629e3	0.84	NO	8.514e3	2.0634	2.0634	0.188
Total Tetra-Furans	22.43	1.213e4	1.441e4	1.016e3	1.428e3	0.71	NO	2.444e3	0.59229	0.59229	0.188
Total Tetra-Furans	22.68	2.065e4	2.952e4	2.077e3	2.749e3	0.76	NO	4.826e3	1.1696	1.1696	0.188
Total Tetra-Furans	23.12	4.975e3	6.915e3	3.984e2	4.881e2	0.82	NO	8.865e2	0.21484	0.21484	0.188
Total Tetra-Furans	23.25	9.673e3	1.354e4	8.227e2	9.812e2	0.84	NO	1.804e3	0.43720	0.43720	0.188
Total Tetra-Furans	23.44	3.449e4	4.165e4	2.663e3	3.129e3	0.85	NO	5.792e3	1.4037	1.4037	0.188
Total Tetra-Furans	23.53	6.952e4	8.381e4	6.812e3	9.343e3	0.73	NO	1.615e4	3.9152	3.9152	0.188
Total Tetra-Furans	24.09	2.658e5	3.602e5	2.215e4	2.968e4	0.75	NO	5.183e4	12.560	12.560	0.188
Total Tetra-Furans	24.40	1.590e4	1.878e4	1.151e3	1.385e3	0.83	NO	2.536e3	0.61461	0.61461	0.188
Total Tetra-Furans	24.61	8.432e3	1.016e4	6.867e2	8.717e2	0.79	NO	1.558e3	0.37768	0.37768	0.188
Total Tetra-Furans	24.87	9.904e3	1.143e4	6.079e2	7.866e2	0.77	NO	1.394e3	0.33796	0.33796	0.188
Total Tetra-Furans	24.97	6.400e4	9.142e4	4.700e3	6.392e3	0.74	NO	1.109e4	2.6881	2.6881	0.188
2,3,7,8-TCDF	25.09	3.339e5	4.408e5	2.599e4	3.476e4	0.75	NO	6.074e4	14.722	14.722	0.188
Total Tetra-Furans	25.21	7.018e3	7.254e3	7.630e2	6.575e2	1.16	YES	0.000e0	0.00000	0.28206	0.188
Total Tetra-Furans	25.50	2.983e4	4.471e4	2.729e3	3.424e3	0.80	NO	6.153e3	1.4912	1.4912	0.188
Total Tetra-Furans	25.76	5.968e3	8.890e3	4.779e2	6.674e2	0.72	NO	1.145e3	0.27758	0.27758	0.188
Total Tetra-Furans	27.17	4.228e4	6.560e4	3.133e3	4.364e3	0.72	NO	7.497e3	1.8170	1.8170	0.188

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	nY	Resp	Conc	EMPC	DL
1st Func. Penta-Furans	27.17	5.509e5	3.375e5	3.571e4	2.305e4	1.55	NO	5.876e4	13.979	13.979	0.0669

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-6B.qld

Last Altered: Tuesday, June 02, 2020 10:19:56 Pacific Daylight Time
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Name: 200521R2_6, Date: 21-May-2020, Time: 16:56:31, ID: 2000957-08 PDI-147SC-A-10-11-200425 16.14, Description: PDI-147SC-A-10-11-200425

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Penta-Furans	28.67	4.029e4	2.341e4	2.410e3	1.370e3	1.76	NO	3.780e3	0.89930	0.89930	0.159
Total Penta-Furans	28.81	3.959e5	2.569e5	2.772e4	1.873e4	1.48	NO	4.644e4	11.049	11.049	0.159
Total Penta-Furans	28.88	2.862e4	1.806e4	1.033e3	7.265e2	1.42	NO	1.760e3	0.41865	0.41865	0.159
Total Penta-Furans	29.40	8.678e4	6.882e4	5.383e3	3.594e3	1.50	NO	0.000e0	0.00000	2.1357	0.159
Total Penta-Furans	29.45	4.110e4	1.858e4	1.153e3	6.907e2	1.67	NO	0.000e0	0.00000	0.43850	0.159
Total Penta-Furans	29.61	6.496e4	5.084e4	3.975e3	2.675e3	1.49	NO	6.650e3	1.5820	1.5820	0.159
1,2,3,7,8-PeCDF	29.81	7.070e5	4.643e5	3.785e4	2.486e4	1.52	NO	6.271e4	14.682	14.682	0.159
Total Penta-Furans	29.89	2.457e4	1.377e4	9.883e2	5.702e2	1.73	NO	1.558e3	0.37076	0.37076	0.159
Total Penta-Furans	30.09	2.208e5	1.339e5	1.306e4	7.836e3	1.67	NO	2.090e4	4.9709	4.9709	0.159
Total Penta-Furans	30.70	1.994e4	1.005e4	7.272e2	4.143e2	1.76	NO	1.142e3	0.27156	0.27156	0.159
2,3,4,7,8-PeCDF	30.82	3.463e5	2.058e5	1.743e4	1.181e4	1.47	NO	2.924e4	6.6600	6.6600	0.150
Total Penta-Furans	30.85	2.098e5	1.355e5	5.849e3	3.469e3	1.69	NO	9.318e3	2.2166	2.2166	0.159
Total Penta-Furans	31.76	2.443e4	1.458e4	1.205e3	7.933e2	1.52	NO	1.998e3	0.47542	0.47542	0.159

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hexa-Furans	32.46	1.386e5	1.199e5	7.162e3	6.048e3	1.18	NO	1.321e4	4.9392	4.9392	0.266
Total Hexa-Furans	32.63	4.090e5	3.426e5	2.072e4	1.731e4	1.20	NO	3.803e4	14.222	14.222	0.266
Total Hexa-Furans	33.19	6.672e5	5.537e5	3.182e4	2.630e4	1.21	NO	5.813e4	21.734	21.734	0.266
1,2,3,4,7,8-HxCDF	33.64	6.761e5	5.418e5	3.607e4	2.896e4	1.25	NO	6.503e4	25.693	25.693	0.261
1,2,3,6,7,8-HxCDF	33.76	1.798e5	1.483e5	1.093e4	9.631e3	1.14	NO	2.057e4	6.8170	6.8170	0.238
2,3,4,6,7,8-HxCDF	34.33	6.557e4	5.224e4	3.808e3	3.332e3	1.14	NO	7.140e3	2.6970	2.6970	0.261
1,2,3,7,8,9-HxCDF	35.26	5.200e4	4.116e4	2.702e3	2.056e3	1.31	NO	4.758e3	2.2935	2.2935	0.377
Total Hexa-Furans	35.28	4.356e4	3.768e4	9.690e2	8.663e2	1.12	NO	1.835e3	0.68625	0.68625	0.266

Hepta-Furans

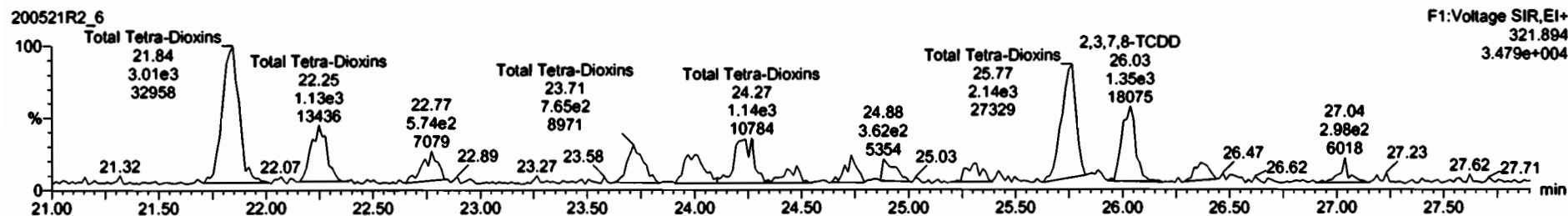
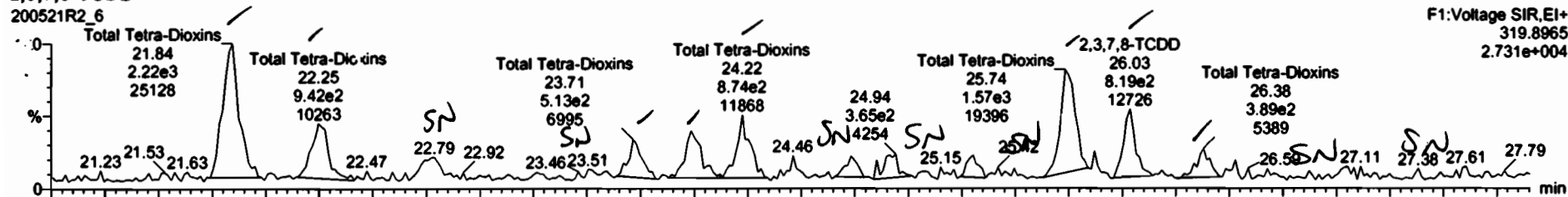
Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1,2,3,4,6,7,8-HpCDF	36.97	4.855e5	4.893e5	3.556e4	3.523e4	1.01	NO	7.079e4	39.024	39.024	0.512
Total Hepta-Furans	37.55	1.002e6	9.958e5	7.715e4	7.727e4	1.00	NO	1.544e5	101.61	101.61	0.573
1,2,3,4,7,8,9-HpCDF	38.97	5.219e4	4.751e4	3.213e3	3.452e3	0.93	NO	6.665e3	4.6848	4.6848	0.571

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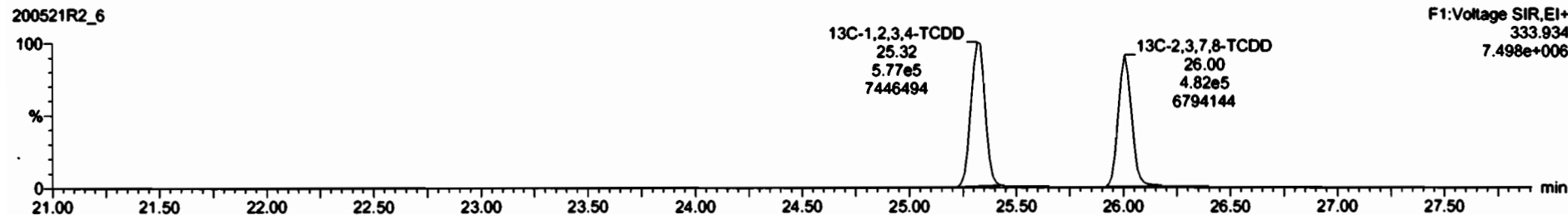
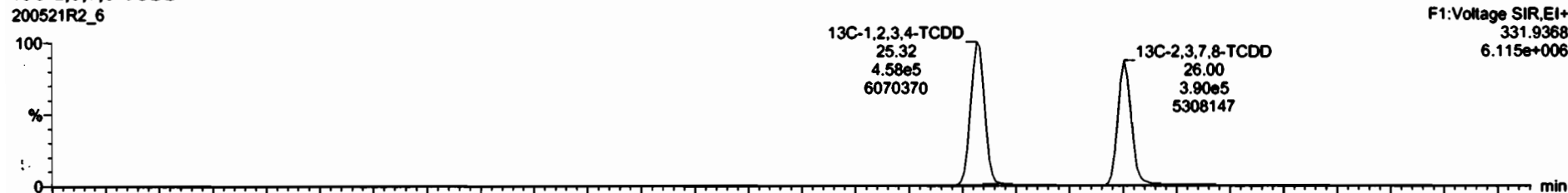
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Printed: Friday, May 22, 2020 7:58:30 AM Pacific Daylight Time

Name: 200521R2_6, Date: 21-May-2020, Time: 16:56:31, ID: 2000957-08 PDI-147SC-A-10-11-200425 16.14, Description: PDI-147SC-A-10-11-200425

2,3,7,8-TCDD

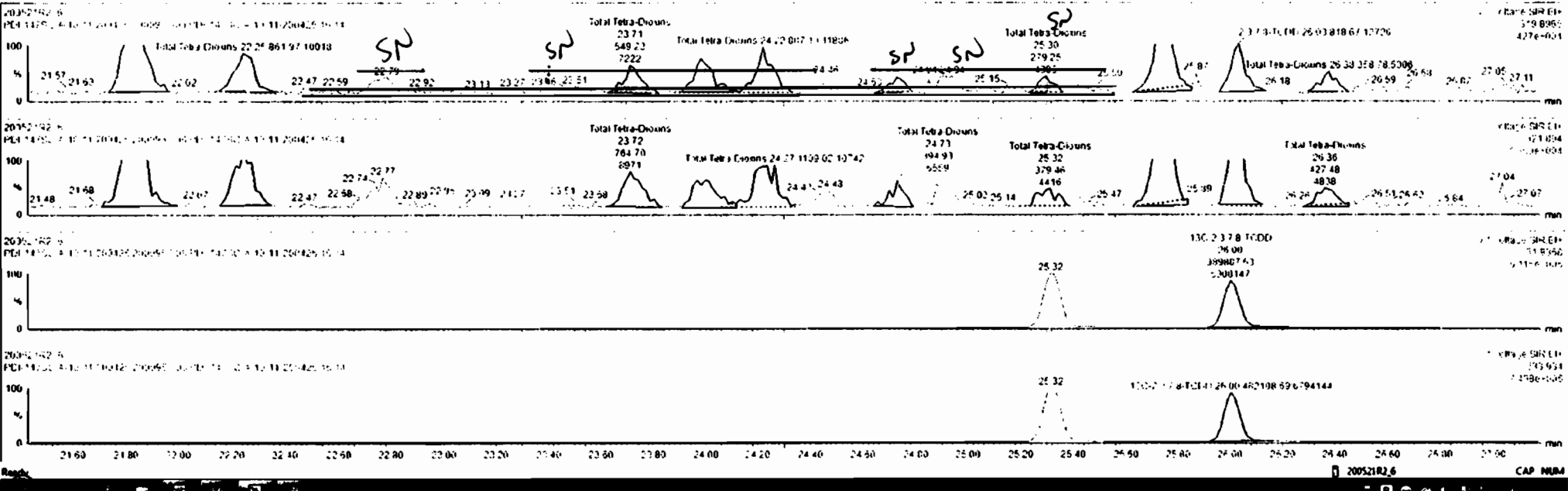


13C-2,3,7,8-TCDD



RT	Name	Resp	RA	Hy	RRP	WVHD	RT	ART	Conc	%Sec	DL	(MPC)
20	Total Tetra-Chlorins				0.9425	17.612			0.90		0.101	0.90
20	Total Tetra-Chlorins				0.9425	17.612			0.90		0.101	0.90

RT	Name	RT	wt Resp	nt Resp	RA	Hy	EMPC	Conc
21.54	Total Tetra-Chlorins	21.54	1.00e3	1.00e3	0.74	NO	1.2635	1.7832
22.25	Total Tetra-Chlorins	22.25	6.72e2	1.17e3	0.76	NO	0.48276	0.42236
22.71	Total Tetra-Chlorins	22.71	5.36e2	1.64e2	0.72	NO	0.31770	0.21770
23.98	Total Tetra-Chlorins	23.98	7.17e2	6.10e2	0.69	NO	0.30549	0.26949
24.22	Total Tetra-Chlorins	24.22	8.47e2	1.10e3	0.80	NO	0.48274	0.42.24
24.33	Total Tetra-Chlorins	24.33	7.41e2	1.94e2	0.89	NO	0.18105	0.15165
25.30	Total Tetra-Chlorins	25.30	1.75e2	3.79e2	0.74	NO	0.15527	0.15927
25.74	Total Tetra-Chlorins	25.74	1.73e3	2.30e3	0.75	NO	0.97454	0.57654
26.03	1,3,7,8-TCDD	26.03	8.157e2	1.24e3	0.66	NO	0.50000	0.50000
26.32	Total Tetra-Chlorins	26.32	1.14e2	4.27e2	0.64	NO	0.15011	0.15011

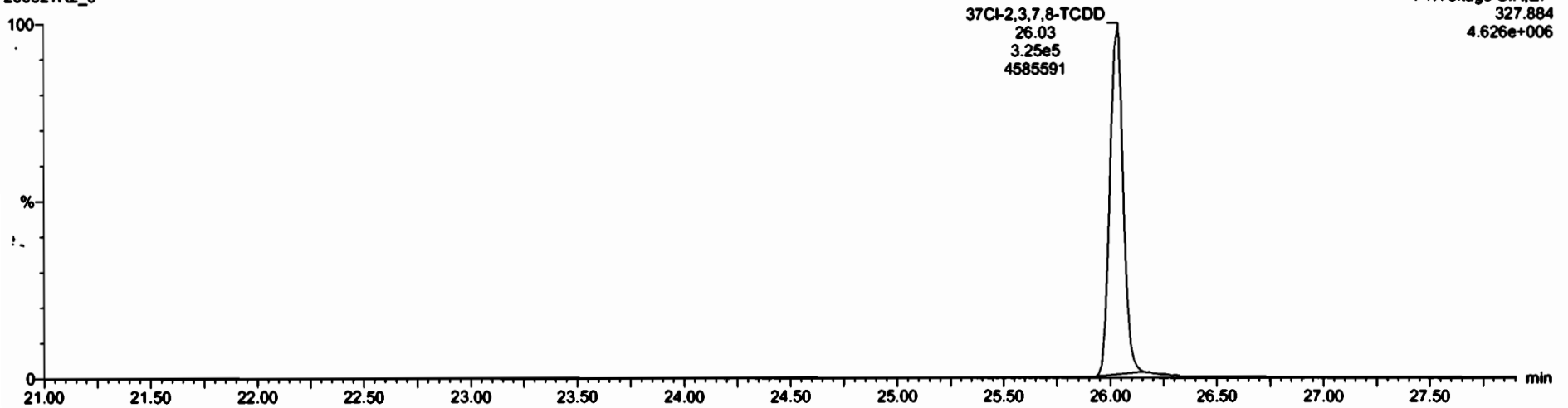


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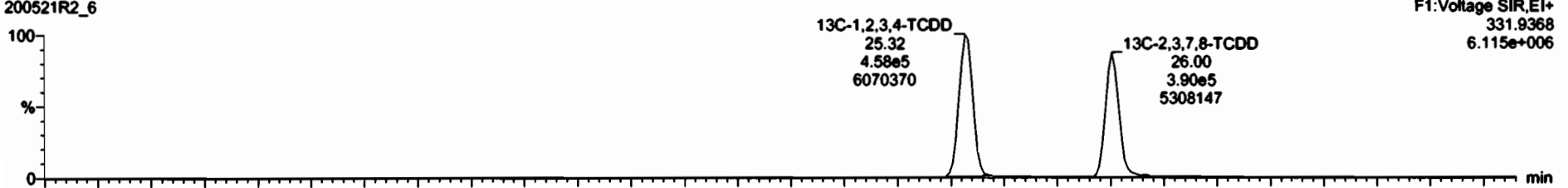
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Name: 200521R2_6, Date: 21-May-2020, Time: 16:56:31, ID: 2000957-08 PDI-147SC-A-10-11-200425 16.14, Description: PDI-147SC-A-10-11-200425

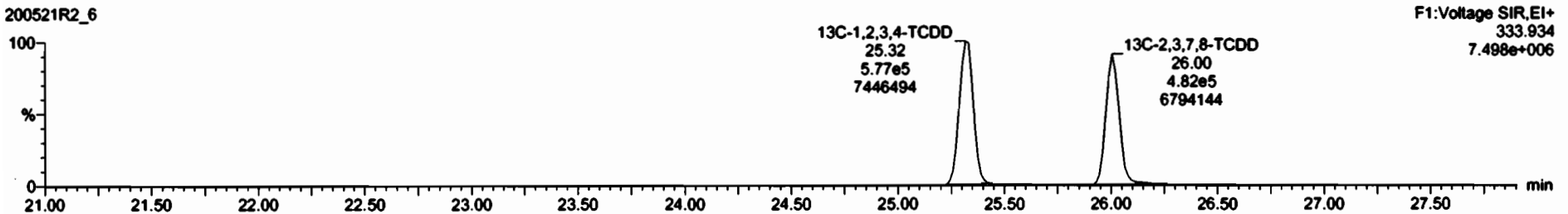
37Cl-2,3,7,8-TCDD
200521R2_6



13C-1,2,3,4-TCDD
200521R2_6



200521R2_6



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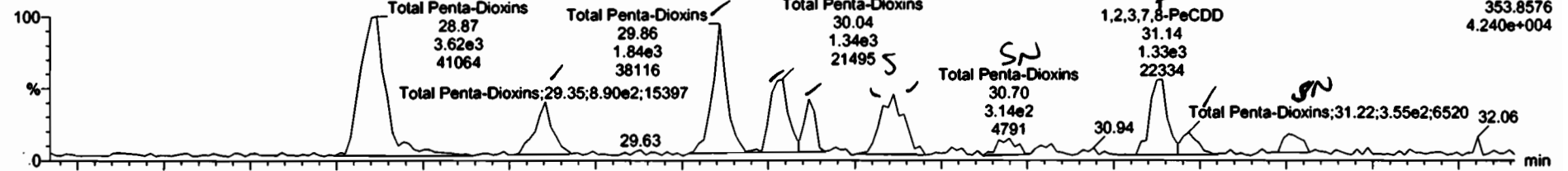
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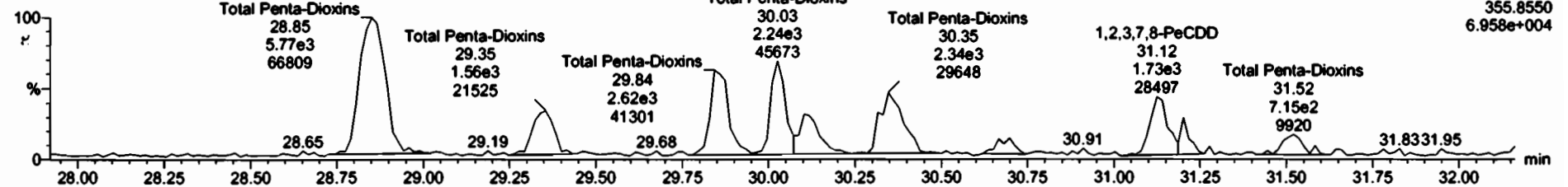
1,2,3,7,8-PeCDD

200521R2_6



F2:Voltage SIR,EI+
353.8576
4.240e+004

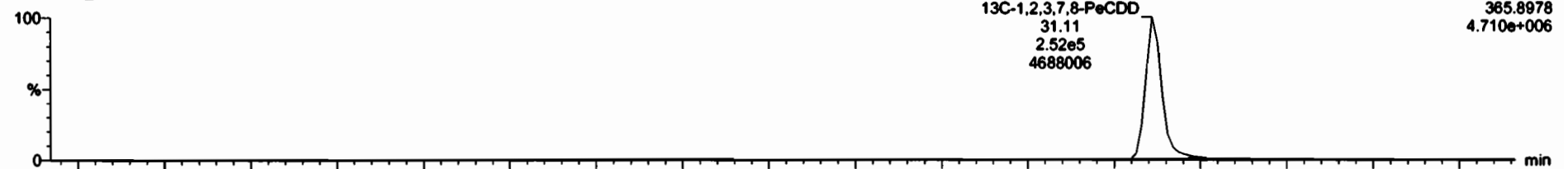
200521R2_6



F2:Voltage SIR,EI+
355.8550
6.958e+004

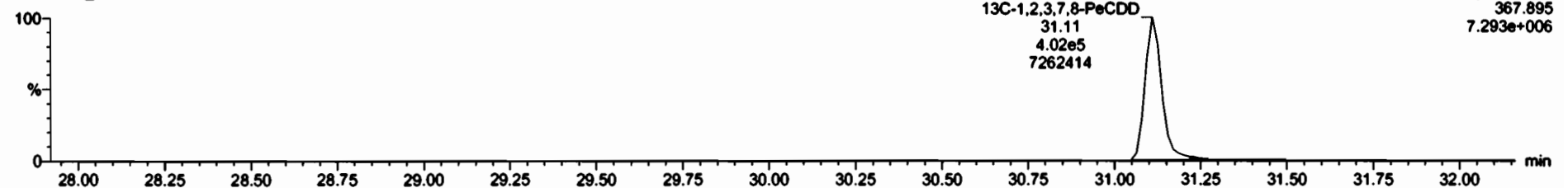
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200521R2_6



F2:Voltage SIR,EI+
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4.710e+006

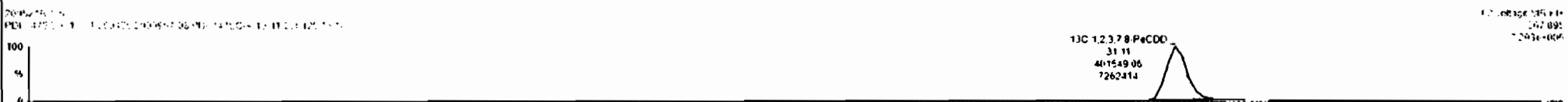
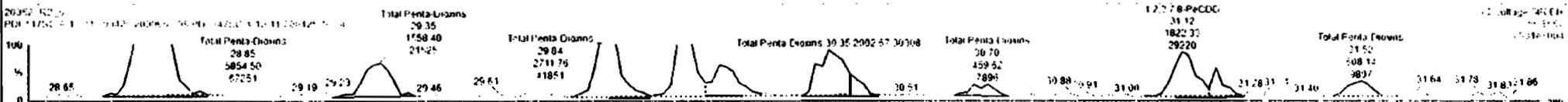
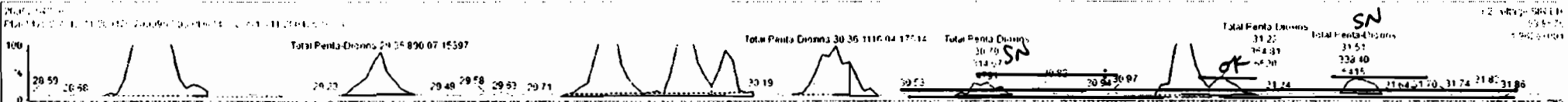
200521R2_6



F2:Voltage SIR,EI+
367.895
7.293e+006

Name	Resp	RA	dy	RRF	Unsat	RT	RRT	Conc	%Rec	DL	EMPC
30 Total Penta-Chlorins				0.6474	13.712			4.58		0.11	4.54
40 Total Penta-Chlorins				0.9425	16.982			8.69		0.23	10.2

Name	RT	m1 Resp	m2 Resp	RA	dy	EMPC	Conc
1 Total Penta-Chlorins	28.37	3.815e7	4.885e3	0.57	N/D	3.0944	0.0844
2 Total Penta-Chlorins	29.35	8.901e2	1.555e7	1.57	N/D	0.72296	0.75256
3 Total Penta-Chlorins	29.36	1.954e3	2.712e3	0.71	N/D	1.5194	1.5194
4 Total Penta-Chlorins	29.64	1.479e7	2.257e3	0.45	N/D	1.2104	1.104
5 Total Penta-Chlorins	29.77	6.364e2	1.776e7	1.47	N/D	0.67519	0.63919
6 Total Penta-Chlorins	29.78	1.815e7	1.097e7	1.58	N/D	1.0127	0.00000
7 Total Penta-Chlorins	29.79	2.752e7	4.796e7	1.7	N/D	0.21193	0.00000
8 Total Penta-Chlorins	29.76	3.841e2	4.596e7	1.81	N/D	0.74576	0.24076
9 1,2,3,7,8-PeCDD	31.14	1.722e7	1.522e7	1.72	EE	0.98271	0.00000
10 Total Penta-Chlorins	31.22	7.854e7	4.961e7	0.69	N/D	0.70577	0.0674
11 Total Penta-Chlorins	31.44	5.714e2	6.021e2	1.07	N/D	0.70675	0.1070



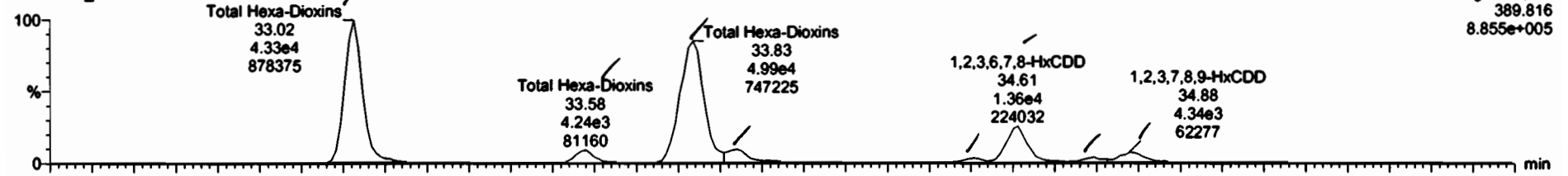
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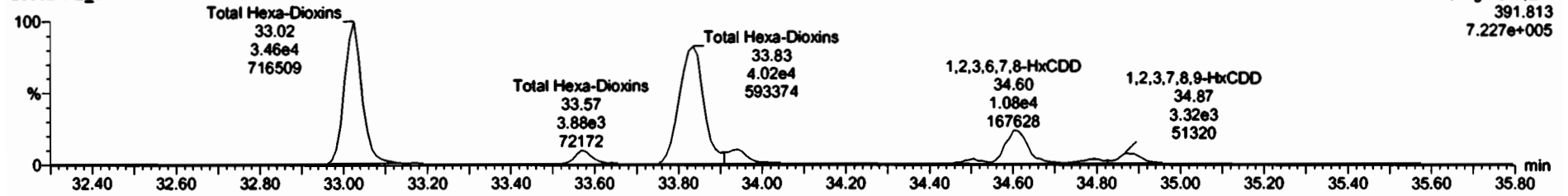
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1,2,3,4,7,8-HxCDD

200521R2_6



200521R2_6

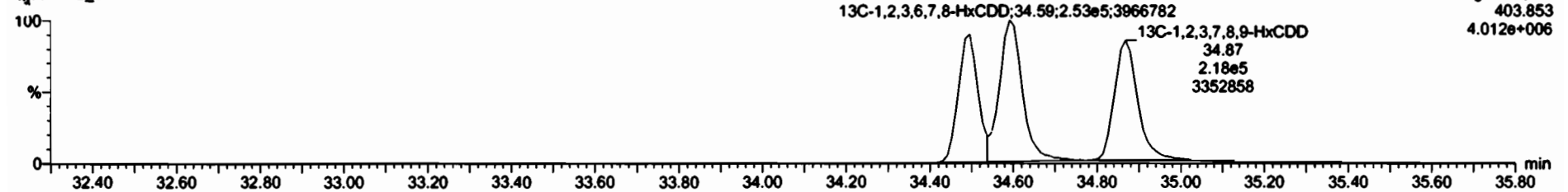


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200521R2_6

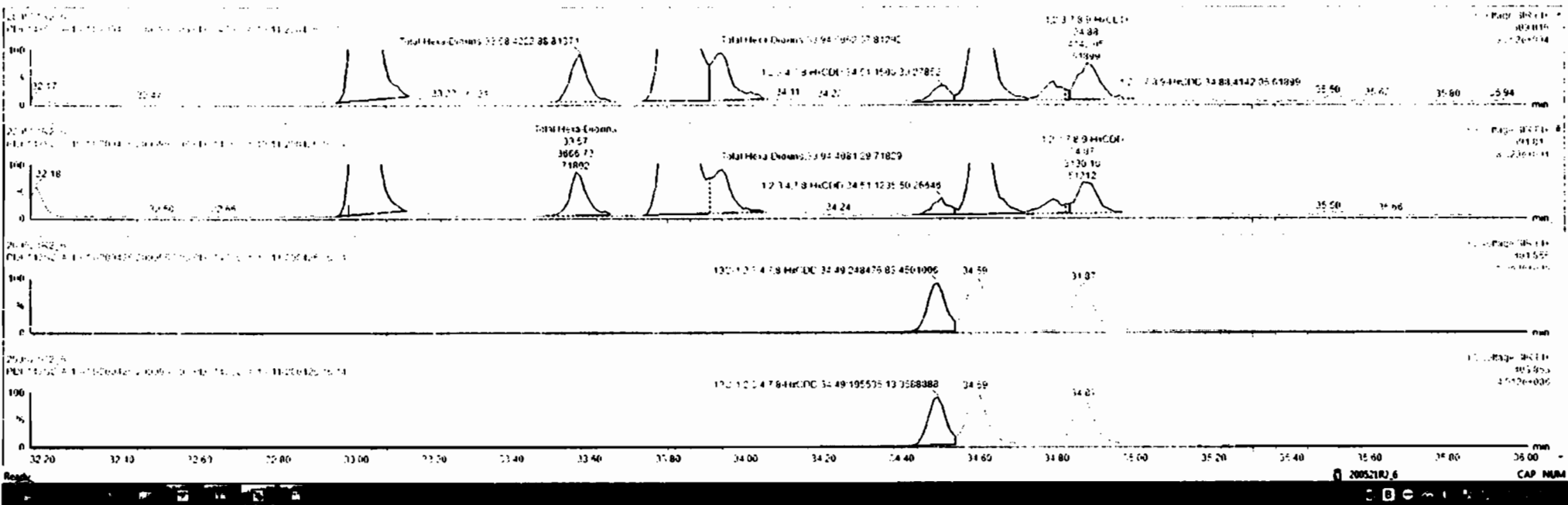


200521R2_6



#	Name	Resp	FA	AV	RDF	WVol	RT	RRT	Conc	%Rec	DL	EMPC
30	Total Hexa-Chloro					13.01			4.50		0.14	4.10
40	Total Hexa-Chloro					12.01			4.50		0.23	3.62

#	Name	RT	Int Resp	Int Resp	RA	AV	EMPC	Conc
1	Total Hexa-Chloro	33.77	1.25e4	1.25e4	1.24	NO	17.496	1.465
2	Total Hexa-Chloro	33.77	4.27e3	4.27e3	1.17	NO	1.090	1.970
3	Total Hexa-Chloro	33.77	4.79e4	4.79e4	1.24	NO	16.706	1.606
4	Total Hexa-Chloro	33.77	1.36e3	1.36e3	1.24	NO	1.934	1.924
5	1,2,3,4,7,8-HxCCl	34.51	1.90e3	2.70e3	1.17	NO	1.154	1.154
6	1,2,3,6,7,8-HxCCl	34.51	1.17e4	1.06e4	1.27	NO	1.141	1.284
7	Total Hexa-Chloro	34.59	1.09e3	1.14e3	1.25	NO	1.461	1.461
8	1,2,3,7,8-HxCCl	34.59	2.14e3	1.13e3	1.17	NO	1.174	1.174



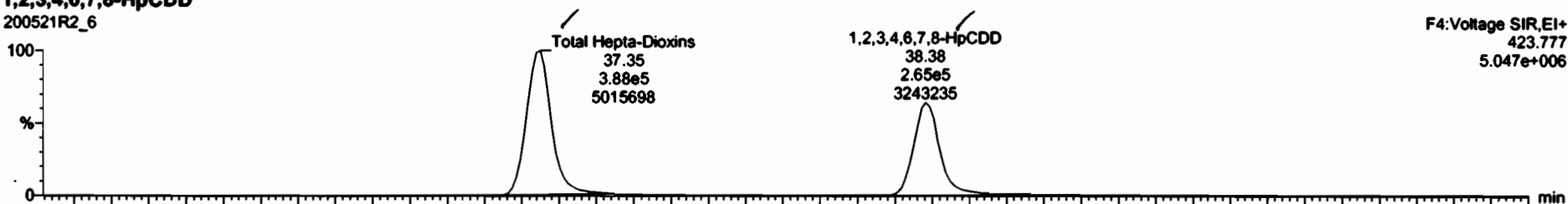
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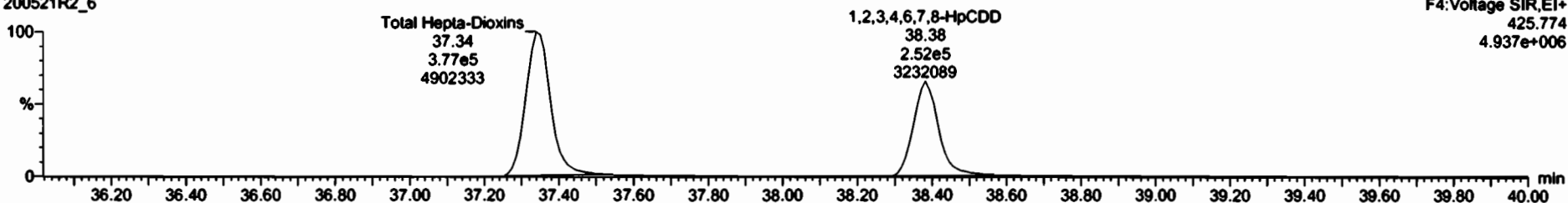
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1,2,3,4,6,7,8-HpCDD

200521R2_6



200521R2_6

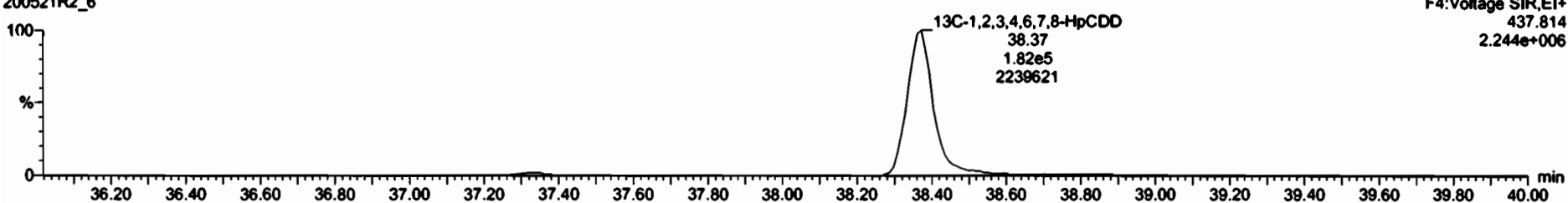


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200521R2_6

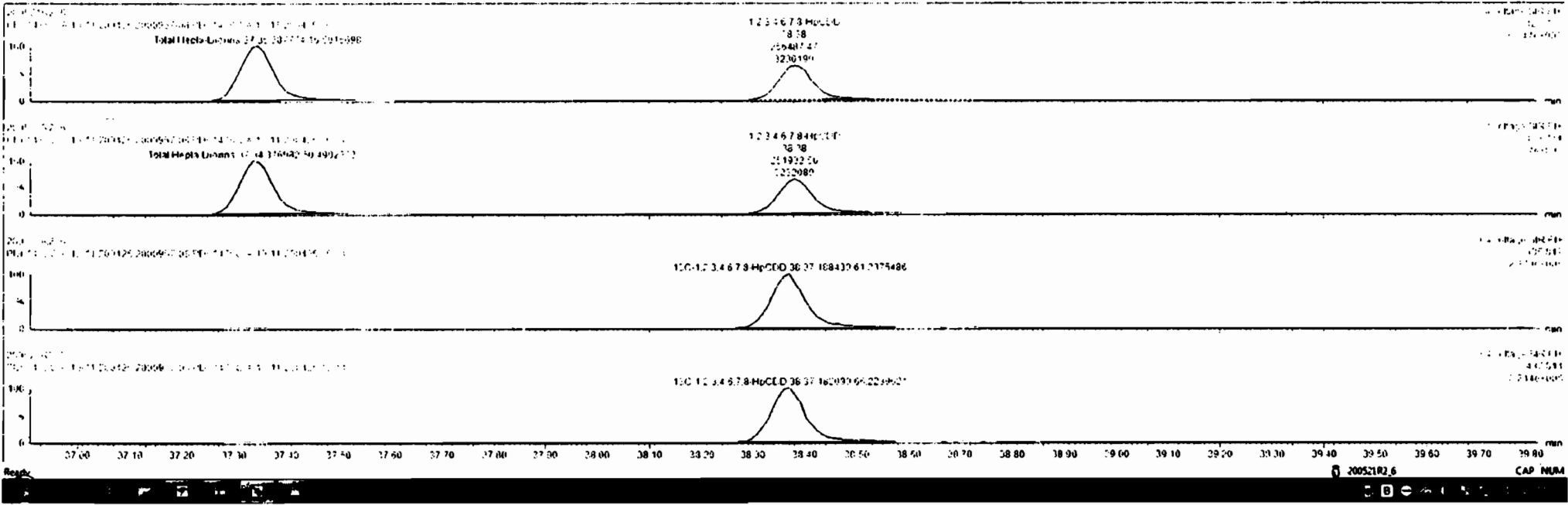


200521R2_6



#	Name	Resp	RA	AV	RRT	WtVol	RT	RRT	Conc	%Rec	DL	EMPC
42	Total Hepta-Dioxins				0.0079	10.012			704	1.76	704	
43	Total Hepta-Furans				0.0079	10.012			503	0.651	503	

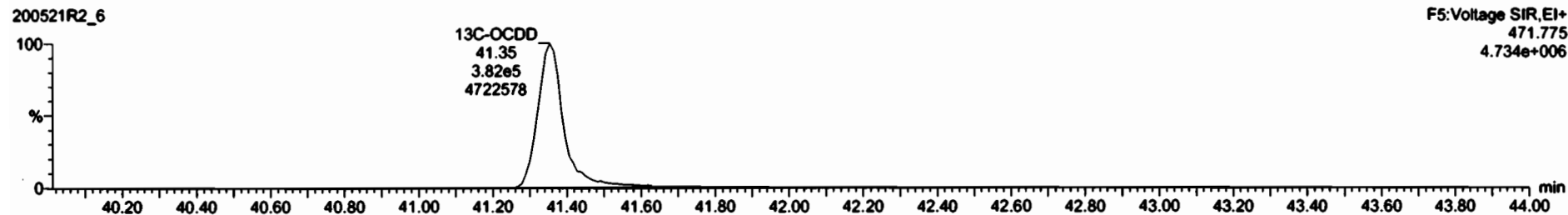
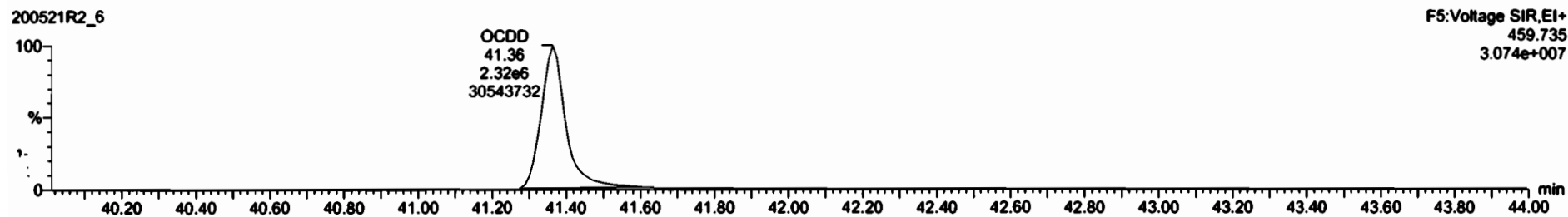
#	Name	RT	m1 Resp	m2 Resp	RA	AV	EMPC	Conc
1	Total Hepta-Dioxins	37.35	2.976e5	1.772e4	1.1	6.2	456.12	250.17
2	1,2,3,4,6,7,8-HpCDF	38.78	2.566e4	2.517e4	1.02	10.0	109.34	205.6



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Name: 200521R2_6, Date: 21-May-2020, Time: 16:56:31, ID: 2000957-08 PDI-147SC-A-10-11-200425 16.14, Description: PDI-147SC-A-10-11-200425

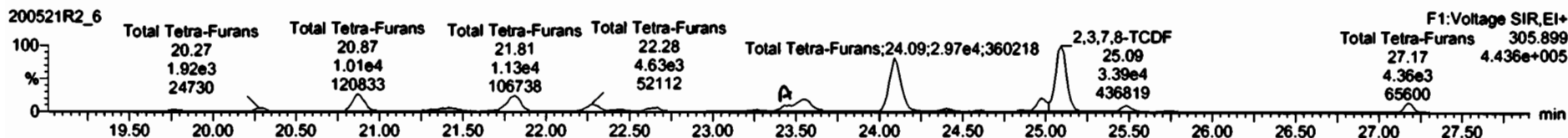
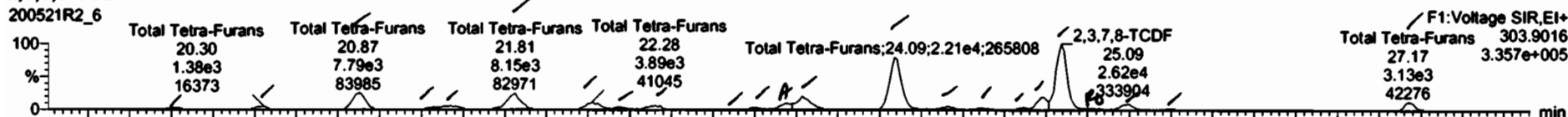


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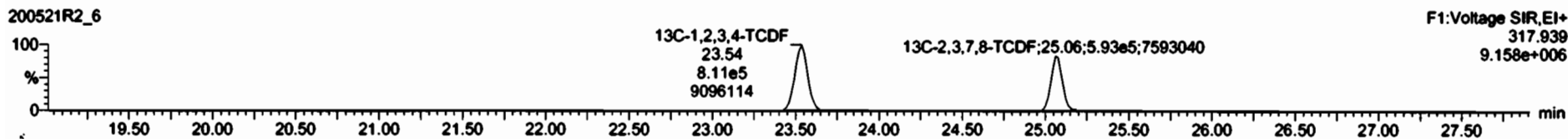
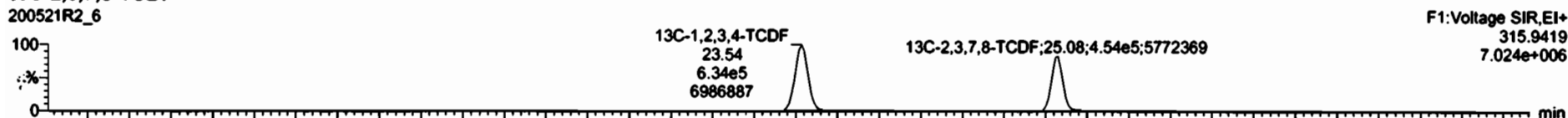
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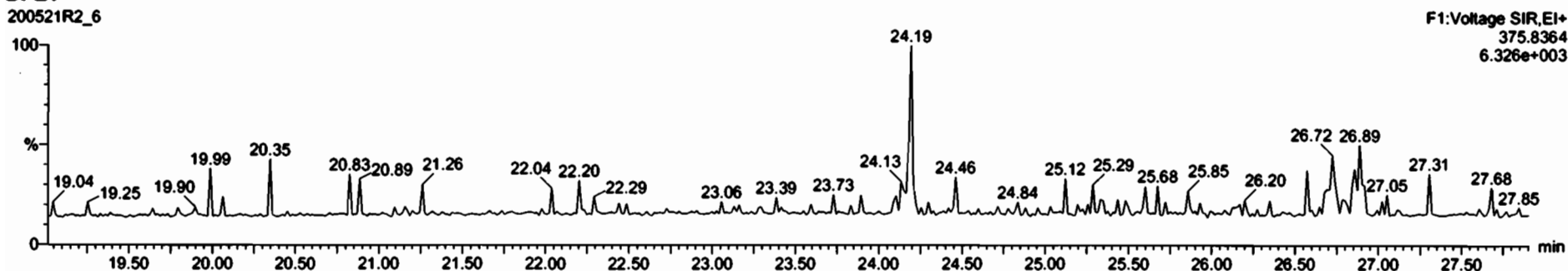
2,3,7,8-TCDF



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

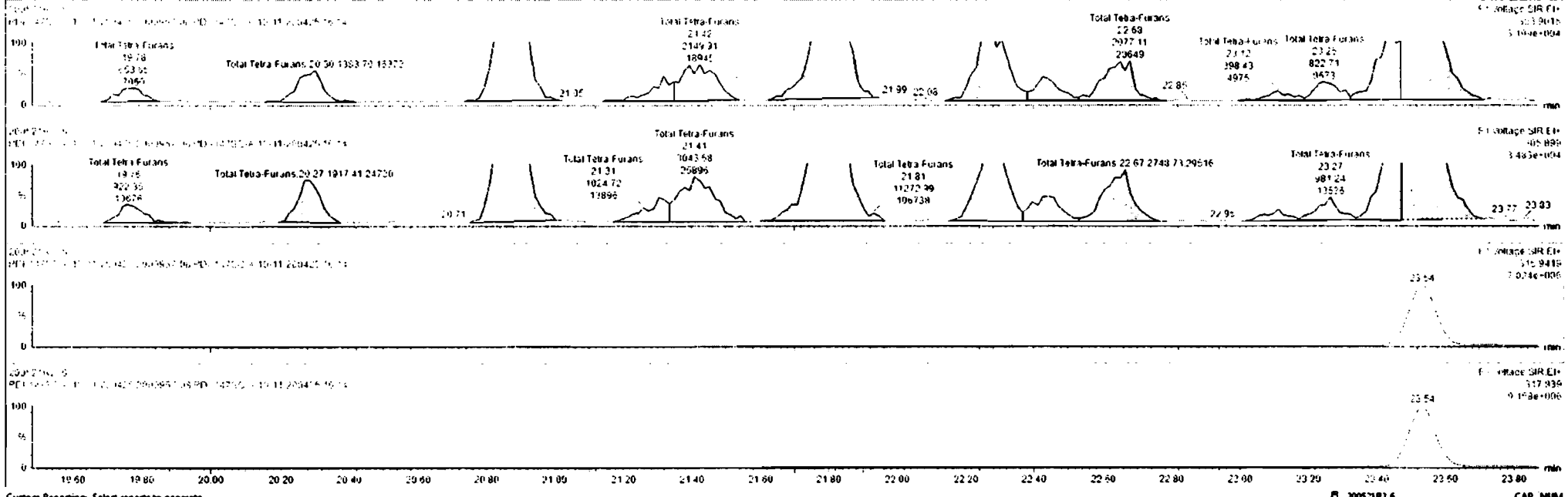


DPE1



#	Name	Resp	RA	Qty	RRF	Wt/Pr	RT	RRT	Conc	%Rec	UI	EMPC
42	Total Hepta-Furans				0.8575	10.012			1.16	104		
43	Total Tetra-Furans				0.7871	10.812			51.7	0.180	58.3	

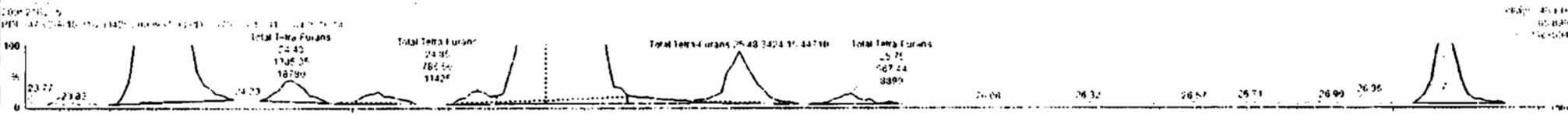
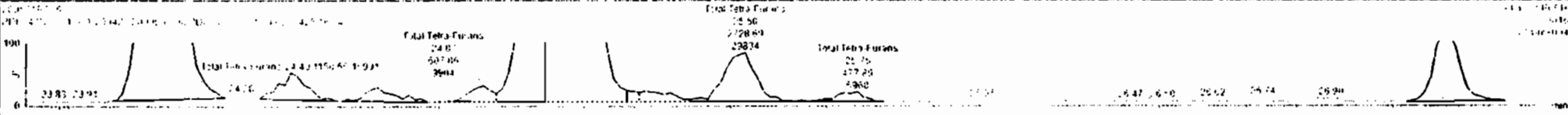
#	Name	RT	wt Resp	mq Resp	RA	Qty	EMPC	Conc
1	Total Tetra-Furans	19.78	6.537e2	9.273e2	0.71	NO	0.58195	0.58195
2	Total Tetra-Furans	20.70	1.364e2	1.917e3	0.72	NO	0.50054	0.50054
3	Total Tetra-Furans	20.87	1.796e2	1.015e4	0.77	NO	4.5428	4.5428
4	Total Tetra-Furans	21.32	8.424e2	1.025e3	0.62	NO	0.45250	0.45250
5	Total Tetra-Furans	21.42	2.150e3	2.044e3	0.71	NO	1.2587	1.2587
6	Total Tetra-Furans	21.91	6.152e2	1.127e4	0.72	NO	4.7079	4.7079
7	Total Tetra-Furans	22.28	3.885e3	4.629e3	0.64	NO	2.1634	2.1634
8	Total Tetra-Furans	22.42	1.016e3	1.425e3	0.71	NO	0.55279	0.55279
9	Total Tetra-Furans	22.68	2.073e2	2.745e3	0.76	NO	1.1636	1.1636
10	Total Tetra-Furans	23.12	1.984e2	4.361e2	0.52	NO	0.21424	0.21424
11	Total Tetra-Furans	23.25	8.227e2	9.812e2	0.64	NO	0.42720	0.42720
12	Total Tetra-Furans	23.44	2.967e2	1.179e3	0.85	NO	1.4817	1.4817
13	Total Tetra-Furans	23.52	4.824e2	6.343e3	0.79	NO	3.9152	3.9152





Name	Comp	RA	RF	RRT	Ref	PT	RRT	Conc	%Rec	DL	EMPC
42	Total Hexa-Chloro			0.6575	17.012				100		
43	Total Tetra-Furans			0.7871	50.892			68.0		0.100	50.0

Name	RT	Int Resp	Int Resp	RA	RF	EMPC	Conc
11	Total Tetra-Furans	23.25	0.52005	0.52005	0.0	0.43720	0.43720
12	Total Tetra-Furans	23.44	0.5617	0.5617	0.0	1.4077	1.4077
13	Total Tetra-Furans	23.73	0.57502	0.57502	0.0	1.5172	1.5172
14	Total Tetra-Furans	24.05	0.21384	0.21384	0.0	12.580	12.580
15	Total Tetra-Furans	24.47	0.14173	0.14173	0.0	0.41443	0.41443
16	Total Tetra-Furans	24.51	0.57262	0.57262	0.0	0.17268	0.17268
17	Total Tetra-Furans	24.67	0.27500	0.27500	0.0	0.12756	0.12756
18	Total Tetra-Furans	24.67	0.27500	0.27500	0.0	1.4801	2.6561
19	2,3,7,8-TCDF	25.06	0.56984	0.56984	0.0	10.721	10.722
20	Total Tetra-Furans	25.21	0.59582	0.59582	0.0	0.22208	0.20066
21	Total Tetra-Furans	25.56	0.77503	0.77503	0.0	1.4911	1.4912
22	Total Tetra-Furans	25.76	0.77503	0.77503	0.0	0.27769	0.27771
23	Total Tetra-Furans	25.77	0.77503	0.77503	0.0	0.17333	0.17333



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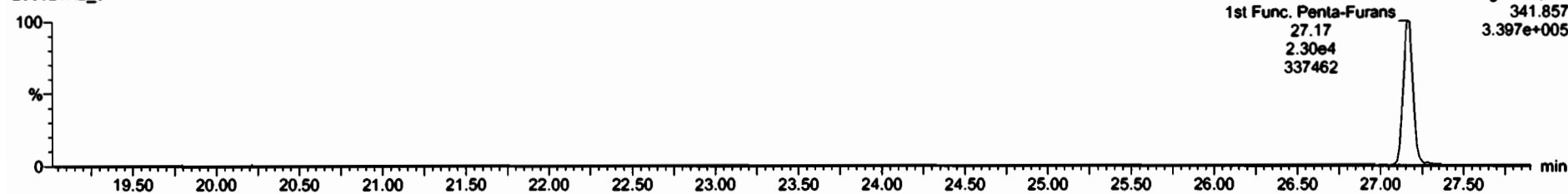
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1st Func. Penta-Furans

200521R2_6

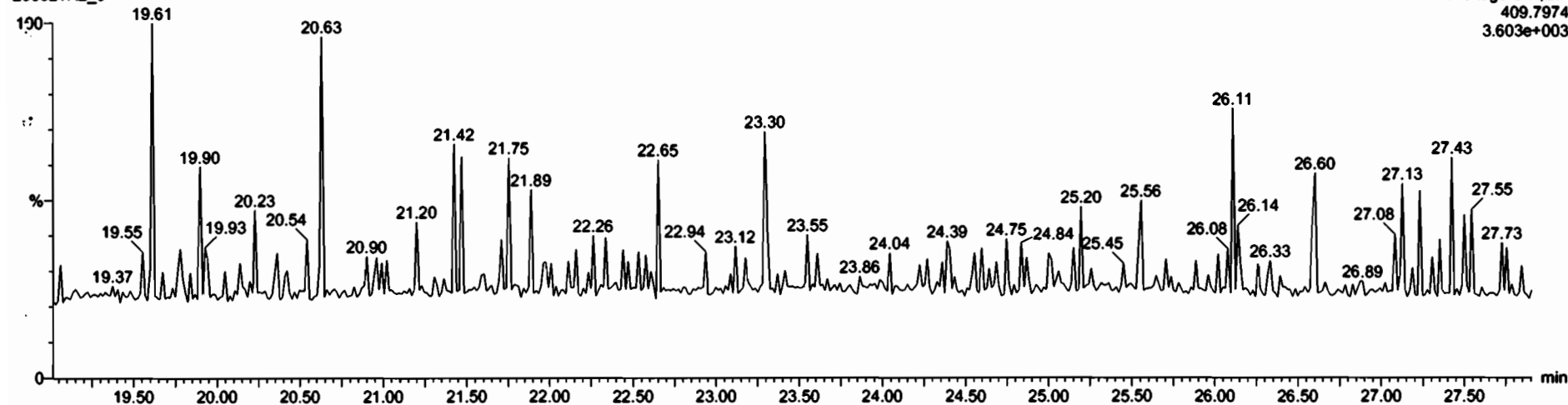


200521R2_6



DPE6

200521R2_6



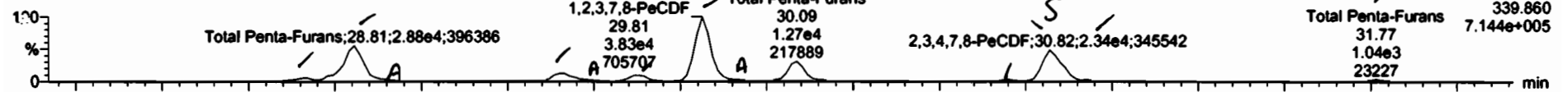
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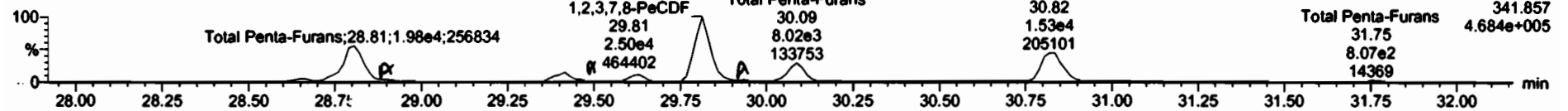
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1,2,3,7,8-PeCDF

200521R2_6

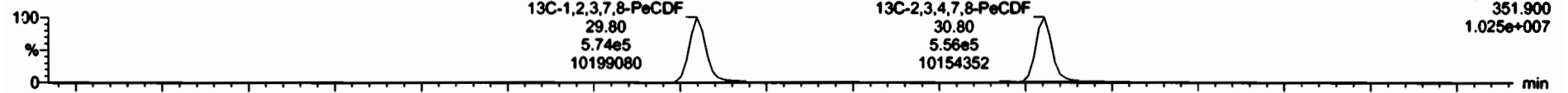


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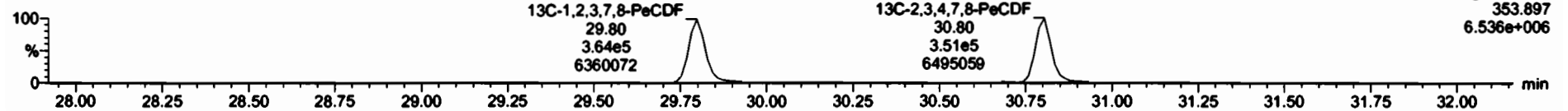


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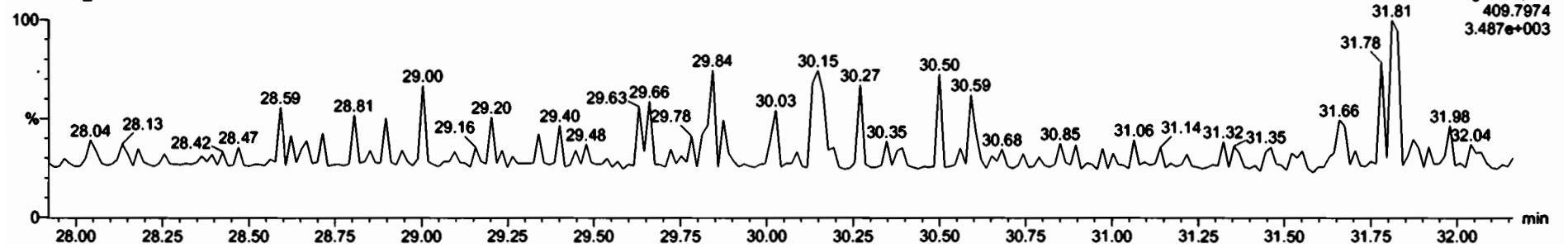


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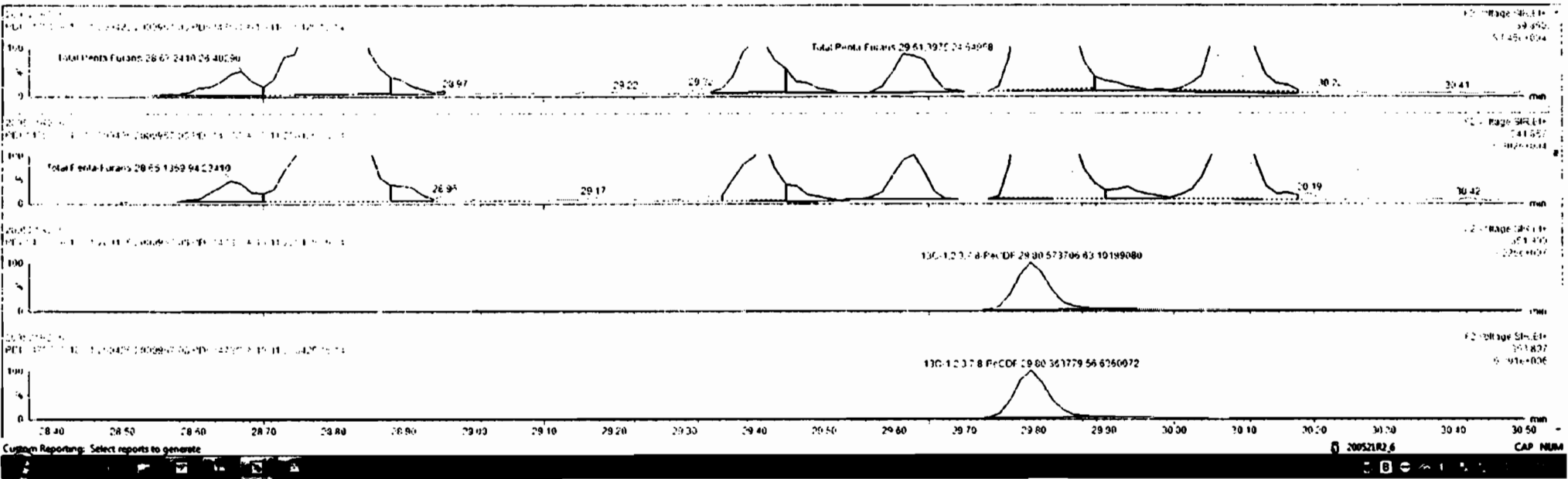
200521R2_6





#1	Name	Keep	RA	ny	GC	RRR	RT	RRT	Conc	%Rec	DL	EMPC
45	Total Penta-Furans				0.9182	10.912			0.120		0.51	
46	Total Penta-Furans				0.9277	10.912			0.124		0.51	

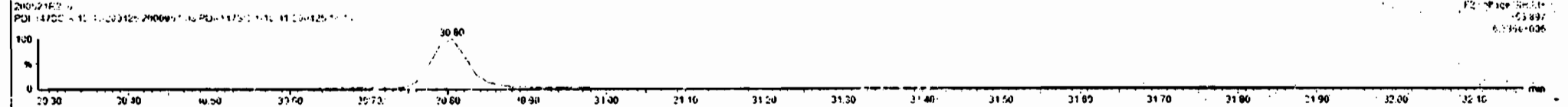
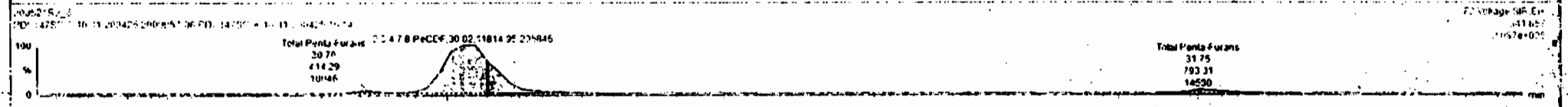
#1	Name	RT	nt Resp	m2 Resp	RA	ny	EMPC	Conc
1	Total Penta-Furans	28.52	2.410e3	1.770e3	0.73	NO	0.0562	0.09576
2	Total Penta-Furans	28.51	1.772e4	1.673e4	0.94	NO	0.1145	0.1245
3	Total Penta-Furans	28.62	1.000e3	1.265e2	0.13	NO	0.0149	0.0178
4	Total Penta-Furans	29.40	1.320e3	1.594e3	1.92	NO	0.1351	0.0900
5	Total Penta-Furans	29.24	1.850e3	2.907e2	0.16	NO	0.0470	0.0306
6	Total Penta-Furans	29.11	3.975e3	1.675e3	0.42	NO	0.1150	0.070
7	Total Penta-Furans	29.81	1.780e4	4.405e4	2.47	NO	0.4450	0.442
8	Total Penta-Furans	29.09	9.620e2	1.171e2	0.12	NO	0.0310	0.0400
9	Total Penta-Furans	28.09	1.120e4	1.626e3	0.15	NO	0.075	0.075
10	Total Penta-Furans	28.70	1.270e3	1.171e2	0.09	NO	0.0305	0.0000
11	Total Penta-Furans	28.62	2.340e4	1.510e4	0.64	NO	0.2048	0.1248
12	Total Penta-Furans	29.20	1.040e3	1.095e2	0.10	NO	0.0370	0.0000



Custom Reporting: Select reports to generate

Line	Name	Comp	RA	ay	Wt	WT	RT	Comp	Wt%	Q	EB%
05	Total Penta-Furans				8.9102	98.92		89		8.92	98.92
06	Total Penta-Furans				0.8217	79.1		79.1		0.82	79.1

Line	Name	RT	Ed Comp	Ed Comp	RA	ay	Wt%	Comp
1	Total Penta-Furans	28.21	2.11E+01	1.77E+01	1.77	NO	0.82	1.85E+01
2	Total Penta-Furans	28.31	2.77E+01	1.87E+01	1.82	NO	11.849	1.24E
3	Total Penta-Furans	29.42	5.38E+01	1.58E+01	1.51	NO	2.15E7	6.20E08
4	Total Penta-Furans	29.51	3.97E+01	2.67E+01	1.45	NO	1.58E2	1.58E40
5	2,3,7,8-TuCDF	29.51	78.0e	4.89E+01	1.0	NO	14.82	4.82E
6	Total Penta-Furans	29.69	1.36E+01	7.62E+01	1.67	NO	4.9709	1.51E9
7	Total Penta-Furans	30.70	2.27E+01	4.14E+01	1.74	NO	6.21E6	0.71E6
8	2,3,4,7,8-PeCDF	30.82	1.78E+01	1.18E+01	1.17	NO	8.82E2	8.82E40
9	Total Penta-Furans	31.72	1.28E+01	7.93E+01	1.52	NO	9.47E2	1.17E42
10	Total Penta-Furans	30.75	1.93E+01	7.25E+01	1.42	NO	9.41E+5	1.17E5
11	Total Penta-Furans	29.43	1.15E+01	6.39E+01	1.27	NO	4.42E+8	0.69E8
12	Total Penta-Furans	29.80	8.02E+01	1.76E+01	1.71	NO	8.17E7	0.17E7
13	Total Penta-Furans	32.25	5.84E+01	7.46E+01	1.79	NO	2.11E0	2.11E0



RT	Name	Area	RA	Ch	SP	Sample	HT	Int	Comp	Rec	CL	FW
30.57	Total Penta-Furans	1087			0.0002	10.712		25.1			0.159	4.2
30.57	Total Hexa-Furans	1087			0.0017	10.712		25.1			0.159	7.1

RT	Name	Area	RA	Ch	SP	Sample	HT	Int	Comp	Rec	CL	FW
30.57	Total Penta-Furans	1087			0.0002	10.712		25.1			0.159	4.2
30.57	Total Hexa-Furans	1087			0.0017	10.712		25.1			0.159	7.1
30.57	Total Hepta-Furans	1087			0.0028	10.712		25.1			0.159	11.2
30.57	Total Octa-Furans	1087			0.0041	10.712		25.1			0.159	16.3
30.57	Total Nona-Furans	1087			0.0054	10.712		25.1			0.159	21.4
30.57	Total Deca-Furans	1087			0.0067	10.712		25.1			0.159	26.5
30.57	Total Undeca-Furans	1087			0.0080	10.712		25.1			0.159	31.6
30.57	Total Dodeca-Furans	1087			0.0093	10.712		25.1			0.159	36.7
30.57	Total Trideca-Furans	1087			0.0106	10.712		25.1			0.159	41.8
30.57	Total Tetradeca-Furans	1087			0.0119	10.712		25.1			0.159	46.9
30.57	Total Pentadeca-Furans	1087			0.0132	10.712		25.1			0.159	52.0
30.57	Total Hexadeca-Furans	1087			0.0145	10.712		25.1			0.159	57.1
30.57	Total Heptadeca-Furans	1087			0.0158	10.712		25.1			0.159	62.2
30.57	Total Octadeca-Furans	1087			0.0171	10.712		25.1			0.159	67.3
30.57	Total Nonadeca-Furans	1087			0.0184	10.712		25.1			0.159	72.4
30.57	Total Eicosa-Furans	1087			0.0197	10.712		25.1			0.159	77.5

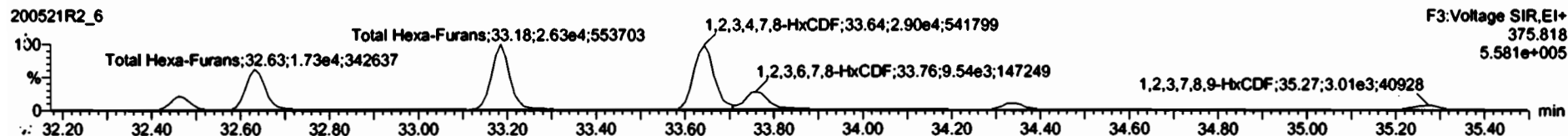
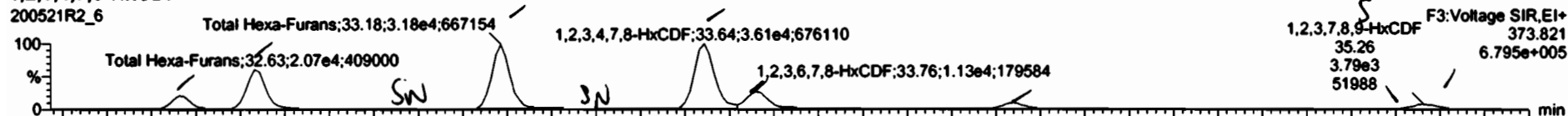


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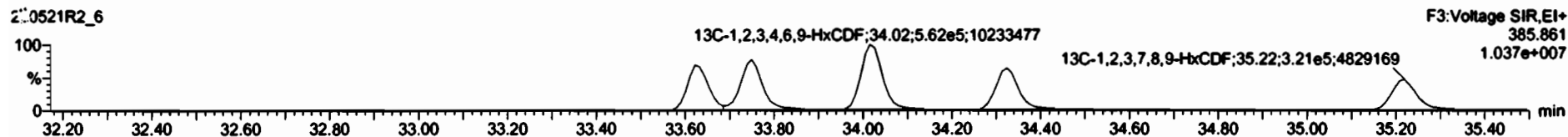
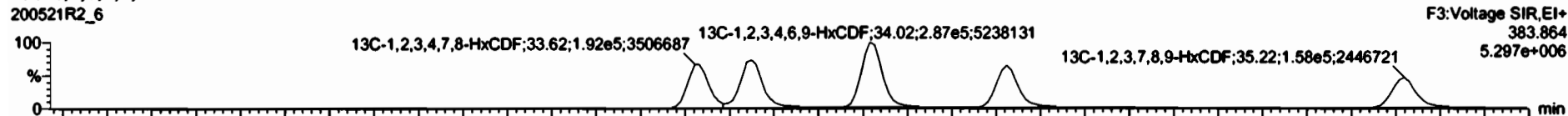
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Name: 200521R2_6, Date: 21-May-2020, Time: 16:56:31, ID: 2000957-08 PDI-147SC-A-10-11-200425 16.14, Description: PDI-147SC-A-10-11-200425

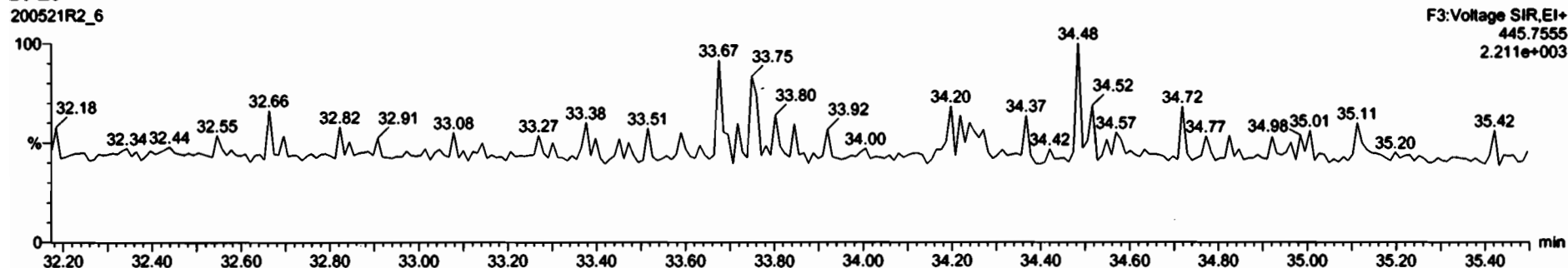
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13C-1,2,3,4,7,8-HxCDF

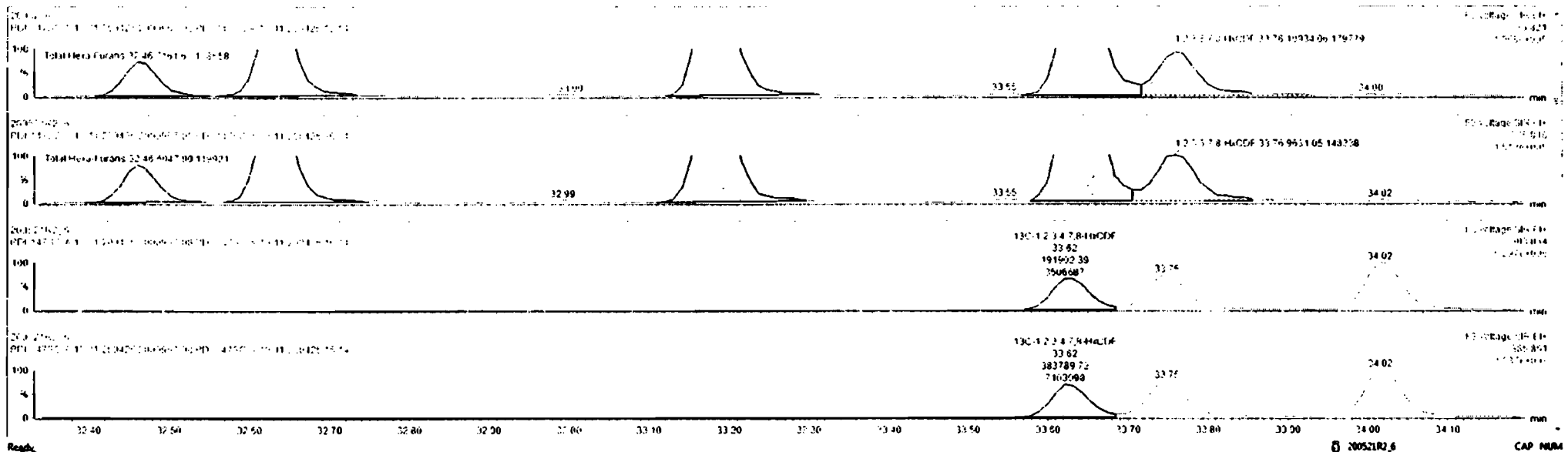


DPE3



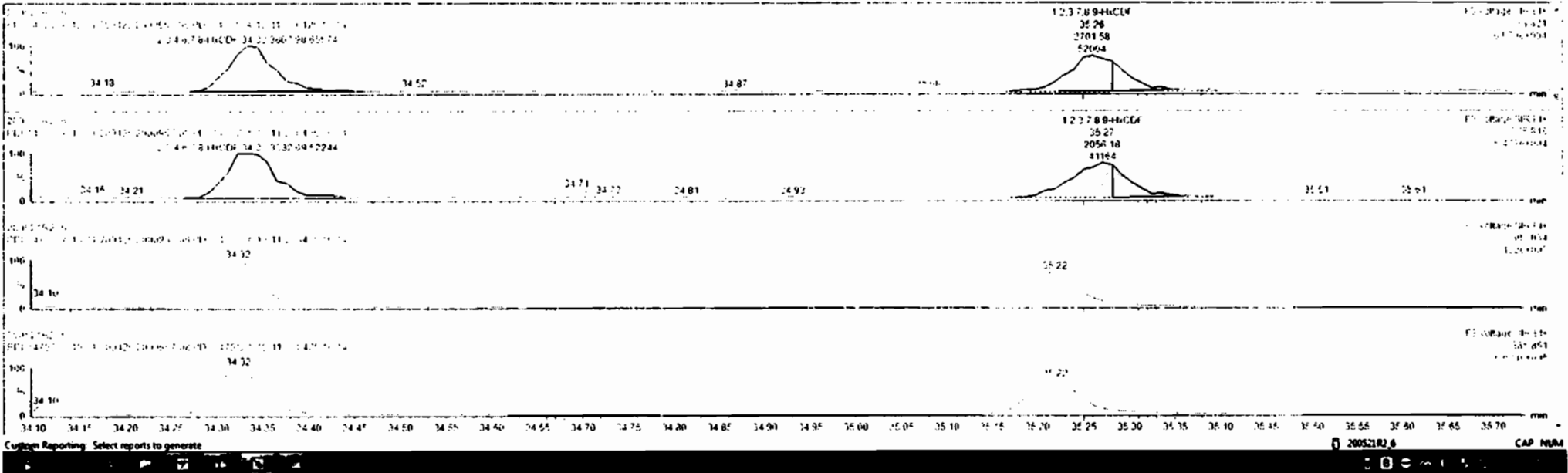
#	Name	Resp	RA	Qty	RT	Area	RT	RRT	Comp	%Rec	CL	EMPC
45	Total Hexa-Furans				31.0	10.017					0.350	46.4
46	Total Hexa-Furans				0.0217	98.912			78.4		0.290	79.4

#	Name	RT	Int Resp	Int Resp	RA	Qty	EMPC	Comp
1	Total Hexa-Furans	32.46	7.167e3	7.047e3	1.10	NO	4.9397	4.9397
2	Total Hexa-Furans	32.63	2.007e4	1.977e4	1.20	NO	14.7221	14.7221
3	Total Hexa-Furans	33.75	3.142e4	2.910e4	1.21	NO	21.714	21.714
4	1,2,3,4,7,8-HxCDF	33.64	1.007e4	9.810e3	1.20	NO	25.692	25.692
5	1,2,3,7,8-HxCDF	33.76	1.527e4	1.471e4	1.14	NO	5.2170	5.2170
6	1,2,3,4,7,8-HxCDF	34.23	1.830e4	1.780e4	1.14	NO	2.8570	2.8570
7	1,2,3,7,8-HxCDF	34.28	1.752e3	1.607e3	1.06	NO	0.2783	0.2783



Peak	Name	Resp	RA	AV	RRF	Area	RT	RRT	Conc	%Rec	DL	EMPC
05	Total Hexa Furans				0.912	10.812			70.1	0.154		
06	Total Hexa Furans				0.9217	10.812			70.1	0.208		

Peak	Name	RT	Int Resp	m2 Resp	RA	AV	EMPC	Conc
1	Total Hexa Furans	32.46	1.11e3	1.041e1	0.32	1.1	4.97e2	0.9762
2	Total Hexa Furans	32.53	2.77e3	1.771e4	1.25	1.03	14.22e1	14.222
3	Total Hexa Furans	33.10	3.152e4	2.630e5	1.23	1.03	1.411e4	1.774
4	1,2,3,4,7,8-HxCDF	33.64	2.707e4	2.196e5	1.25	1.03	2.54e3	2.593
5	1,2,3,4,7,8-HxCDF	33.70	1.302e5	9.671e4	1.14	1.03	6.77e2	6.4170
6	1,2,3,4,7,8-HxCDF	34.35	3.072e4	2.312e4	1.14	1.03	1.69e2	1.4910
7	1,2,3,7,8-HxCDF	34.48	1.102e3	1.056e3	1.11	1.03	2.79e1	2.2525
8	Total Hexa Furans	34.58	9.742e3	8.593e3	1.11	1.03	6.54e1	6.6825



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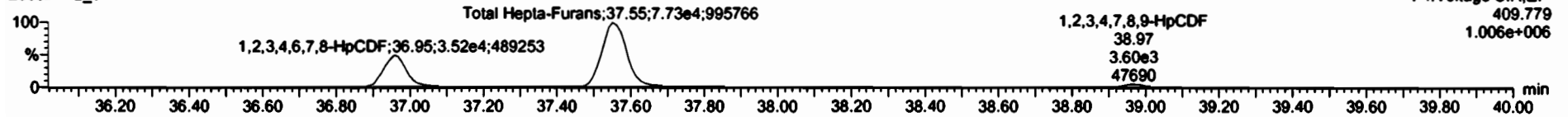
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200521R2_6



200521R2_6

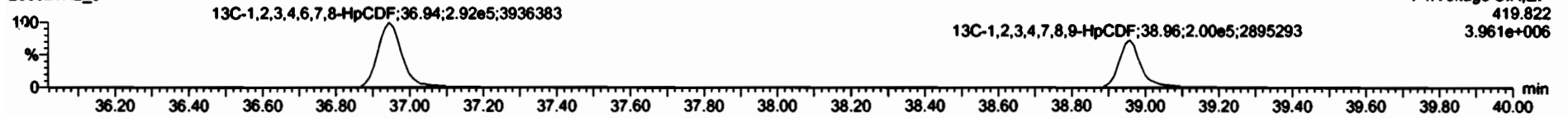


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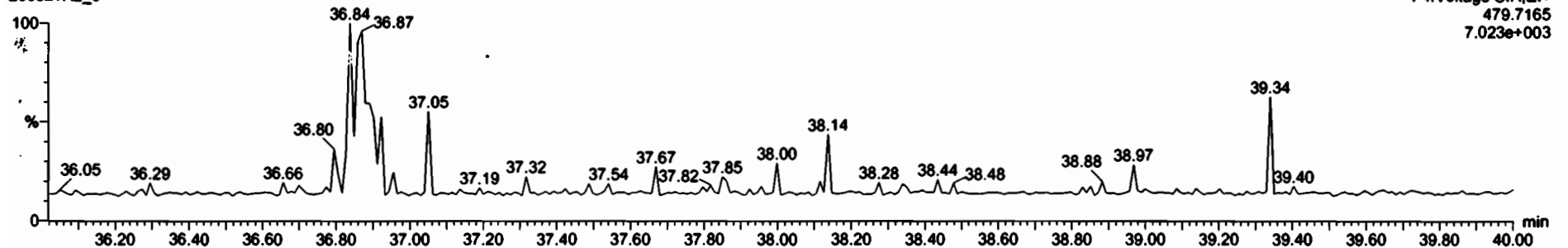


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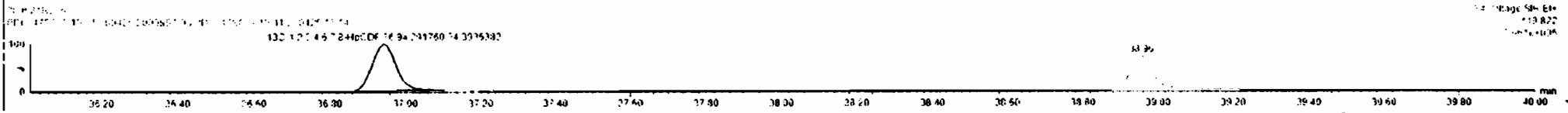
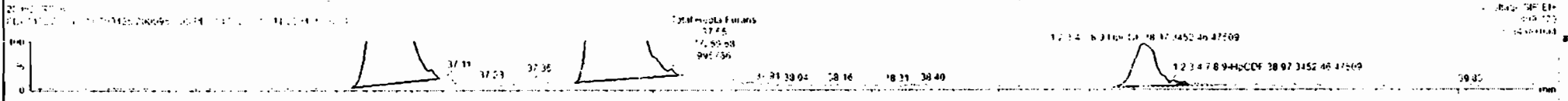
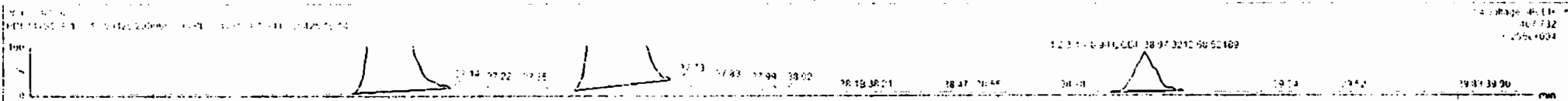
DPE4

200521R2_6



AS	Name	Resp	RA	aly	RRF	Wval	RT	RRT	Conc	%Rec	DL	EMPC
45	Total Hexa-Furans				0.910	13.012			11.01	0.159		
46	Total Hepta-Furans				0.6237	12.612			9.41	0.266		

1	Name	RT	Int Resp	Int Resp	RA	aly	EMPC	Conc
1	1 2 3 4 6 7 8-HpCDF	36.97	14464	15236	1.01	NO	35.024	5.024
2	Total Hexa-Furans	37.55	17724	17724	1.00	NO	101.71	101.71
3	1 2 3 4 7 8 9-HxCDF	38.97	24767	24767	0.93	NO	2.634R	4.484R

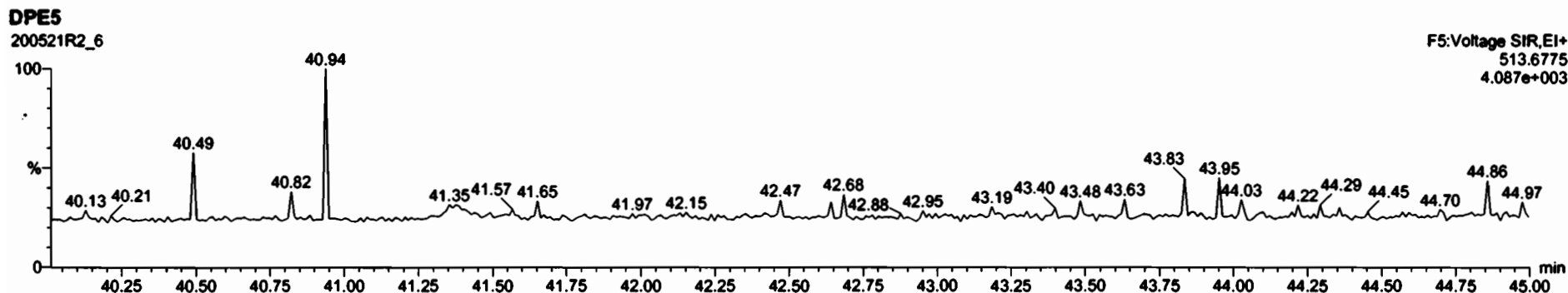
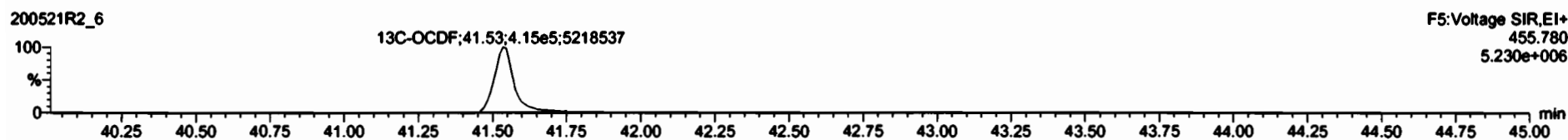
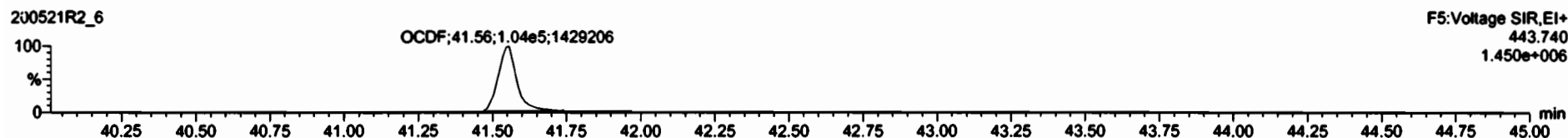


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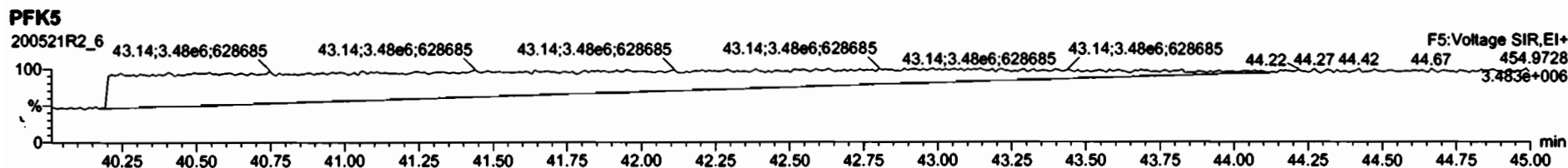
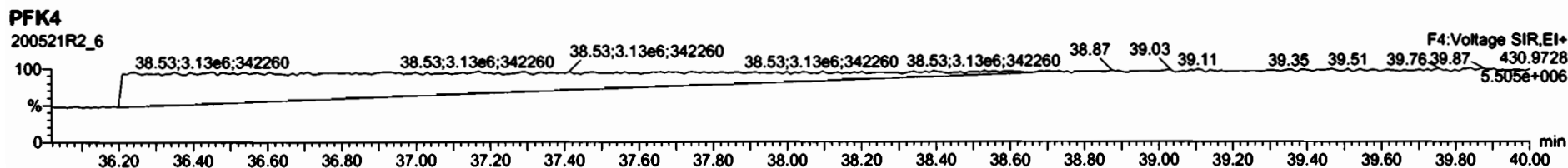
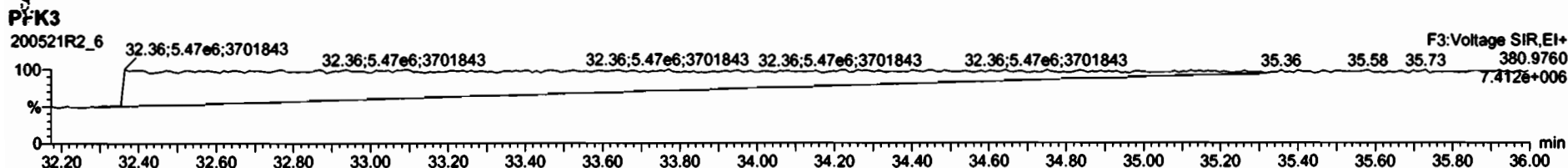
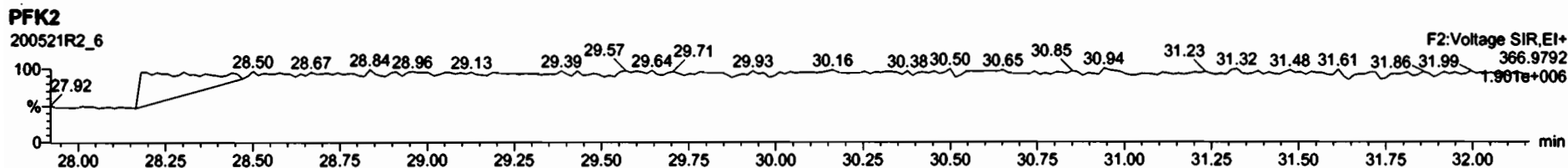
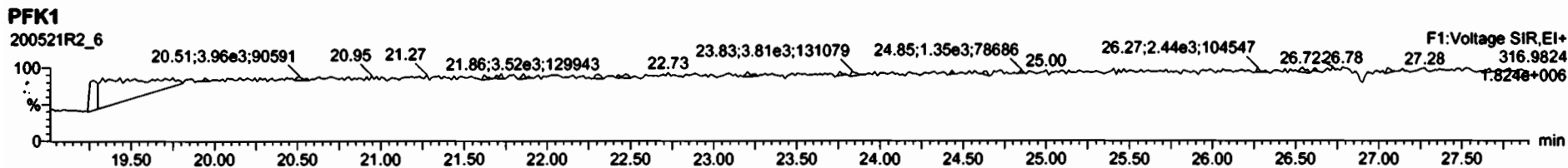
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GRB 05/24/2020

C106/07/2020

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Name: 200521R2_7, Date: 21-May-2020, Time: 17:42:43, ID: 2000957-09 PDI-147SC-A-11-12-200425 16.41, Description: PDI-147SC-A-11-12-200425

#	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	3.57e3	0.66	NO	0.947	10.005	26.021	26.03	1.001	1.002	0.94836		0.155	0.948
2	2 1,2,3,7,8-PeCDD	3.65e3	0.59	NO	0.942	10.005	31.132	31.13	1.001	1.000	1.2866		0.226	1.29
3	3 1,2,3,4,7,8-HxCDD	3.63e3	1.18	NO	1.06	10.005	34.494	34.49	1.000	1.000	1.7509		0.395	1.75
4	4 1,2,3,6,7,8-HxCDD	2.91e4	1.26	NO	0.915	10.005	34.580	34.60	1.000	1.001	12.369		0.401	12.4
5	5 1,2,3,7,8,9-HxCDD	1.05e4	1.26	NO	0.915	10.005	34.867	34.87	1.000	1.000	4.7841		0.453	4.78
6	6 1,2,3,4,6,7,8-HpCDD	8.34e5	1.02	NO	0.898	10.005	38.373	38.37	1.000	1.000	540.84		1.59	541
7	7 OCDD	7.04e6	0.88	NO	0.933	10.005	41.354	41.36	1.000	1.000	4441.6		1.57	4440
8	8 2,3,7,8-TCDF	3.33e5	0.75	NO	0.787	10.005	25.087	25.09	1.001	1.001	89.081	(76.7)	0.405	89.1
9	9 1,2,3,7,8-PeCDF	4.99e5	1.54	NO	0.910	10.005	29.803	29.81	1.001	1.001	125.08		0.356	125
10	10 2,3,4,7,8-PeCDF	2.79e5	1.49	NO	0.966	10.005	30.820	30.82	1.001	1.001	71.612		0.328	71.6
11	11 1,2,3,4,7,8-HxCDF	4.37e5	1.20	NO	0.878	10.005	33.621	33.63	1.000	1.000	181.19		0.353	181
12	12 1,2,3,6,7,8-HxCDF	1.19e5	1.20	NO	0.874	10.005	33.749	33.75	1.000	1.000	42.944		0.309	42.9
13	13 2,3,4,6,7,8-HxCDF	2.87e4	1.21	NO	0.922	10.005	34.348	34.32	1.001	1.000	12.211		0.351	12.2
14	14 1,2,3,7,8,9-HxCDF	3.39e4	1.19	NO	0.864	10.005	35.208	35.26	1.000	1.002	18.096		0.550	18.1
15	15 1,2,3,4,6,7,8-HpCDF	1.25e5	1.01	NO	0.871	10.005	36.971	36.94	1.001	1.000	73.949		0.513	73.9
16	16 1,2,3,4,7,8,9-HpCDF	1.65e4	0.97	NO	1.01	10.005	38.947	38.96	1.000	1.000	12.947		0.576	12.9
17	17 OCDF	2.84e5	0.83	NO	0.802	10.005	41.535	41.54	1.000	1.000	193.55		0.501	194
18	18 13C-2,3,7,8-TCDD	7.95e5	0.75	NO	1.16	10.005	25.984	25.99	1.026	1.027	145.75	72.9	0.327	
19	19 13C-1,2,3,7,8-PeCDD	6.02e5	0.62	NO	0.847	10.005	31.068	31.11	1.227	1.229	151.18	75.6	0.333	
20	20 13C-1,2,3,4,7,8-HxCDD	3.90e5	1.26	NO	0.750	10.005	34.495	34.48	1.014	1.014	136.98	68.5	0.484	
21	21 13C-1,2,3,6,7,8-HxCDD	5.14e5	1.22	NO	0.963	10.005	34.607	34.58	1.017	1.017	140.70	70.4	0.377	
22	22 13C-1,2,3,7,8,9-HxCDD	4.81e5	1.29	NO	0.838	10.005	34.876	34.86	1.025	1.025	151.35	75.7	0.433	
23	23 13C-1,2,3,4,6,7,8-HpCDD	3.43e5	1.01	NO	0.641	10.005	38.366	38.36	1.128	1.128	141.10	70.6	0.460	
24	24 13C-OCDD	6.79e5	0.90	NO	0.586	10.005	41.359	41.35	1.216	1.216	305.24	76.4	0.639	
25	25 13C-2,3,7,8-TCDF	9.49e5	0.78	NO	1.03	10.005	25.045	25.06	0.989	0.990	142.25	71.2	0.527	
26	26 13C-1,2,3,7,8-PeCDF	8.75e5	1.53	NO	0.845	10.005	29.759	29.78	1.176	1.176	160.57	80.3	0.542	
27	27 13C-2,3,4,7,8-PeCDF	8.07e5	1.55	NO	0.814	10.005	30.749	30.79	1.215	1.216	153.70	76.9	0.563	
28	28 13C-1,2,3,4,7,8-HxCDF	5.49e5	0.50	NO	1.00	10.005	33.634	33.62	0.989	0.988	144.05	72.1	0.672	
29	29 13C-1,2,3,6,7,8-HxCDF	6.32e5	0.51	NO	1.14	10.005	33.756	33.74	0.992	0.992	146.57	73.3	0.594	
30	30 13C-2,3,4,6,7,8-HxCDF	5.10e5	0.51	NO	1.02	10.005	34.325	34.31	1.009	1.009	131.58	65.8	0.661	
31	31 13C-1,2,3,7,8,9-HxCDF	4.33e5	0.50	NO	0.845	10.005	35.216	35.21	1.035	1.035	135.10	67.6	0.800	

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Sample: 200957-09, Date: 21 May 2020, Time: 17:42:43, ID: 200957-09 PDI-147SC-A-11-12-200425 16.41, Description: PDI-147SC-A-11-12-200425

#	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	3.86e5	0.43	NO	0.771	10.005	36.947	36.93	1.086	1.086	132.08	66.1	0.432	
33	13C-1,2,3,4,7,8,9-HpCDF	2.52e5	0.41	NO	0.482	10.005	38.957	38.95	1.145	1.145	137.67	68.9	0.690	
34	13C-OCDF	7.31e5	0.86	NO	0.669	10.005	41.529	41.53	1.221	1.221	288.26	72.1	0.442	
35	37Cl-2,3,7,8-TCDD	3.05e5			1.10	10.005	26.015	26.02	1.028	1.028	59.065	73.9	0.115	
36	13C-1,2,3,4-TCDD	9.40e5	0.79	NO	1.00	10.005	25.350	25.32	1.000	1.000	199.89	100	0.379	
37	13C-1,2,3,4-TCDF	1.29e6	0.79	NO	1.00	10.005	23.560	23.53	1.000	1.000	199.89	100	0.545	
38	13C-1,2,3,4,6,9-HxCDF	7.58e5	0.50	NO	1.00	10.005	34.000	34.01	1.000	1.000	199.89	100	0.676	
39	Total Tetra-Dioxins				0.947	10.005	24.620		0.000		9.6383		0.155	9.64
40	Total Penta-Dioxins				0.942	10.005	29.960		0.000		13.750		0.226	16.1
41	Total Hexa-Dioxins				0.915	10.005	33.635		0.000		158.40		0.436	158
42	Total Hepta-Dioxins				0.898	10.005	37.640		0.000		1435.7		1.59	1440
43	Total Tetra-Furans				0.787	10.005	23.610		0.000		264.54		0.405	265
44	1st Func. Penta-Furans				0.910	10.005	27.090		0.000		24.007		0.0697	24.0
45	Total Penta-Furans				0.910	10.005	29.275		0.000		391.52		0.352	392
46	Total Hexa-Furans				0.922	10.005	33.555		0.000		342.68		0.364	343
47	Total Hepta-Furans				0.871	10.005	37.835		0.000		255.74		0.574	256

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Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02

Calibration: U:\VG12.PRO\CurveDB\1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200521R2_7, Date: 21-May-2020, Time: 17:42:43, ID: 2000957-09 PDI-147SC-A-11-12-200425 16.41, Description: PDI-147SC-A-11-12-200425

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	21.83	4.251e4	5.211e4	3.926e3	4.838e3	0.81	NO	8.764e3	2.3268	2.3268	0.155
2	Total Tetra-Dioxins	22.23	1.648e4	2.258e4	1.552e3	2.069e3	0.75	NO	3.621e3	0.96122	0.96122	0.155
3	Total Tetra-Dioxins	22.74	9.057e3	1.085e4	7.983e2	1.141e3	0.70	NO	1.939e3	0.51478	0.51478	0.155
4	Total Tetra-Dioxins	23.72	1.000e4	1.660e4	9.081e2	1.192e3	0.76	NO	2.101e3	0.55768	0.55768	0.155
5	Total Tetra-Dioxins	23.98	1.194e4	1.697e4	1.158e3	1.563e3	0.74	NO	2.721e3	0.72238	0.72238	0.155
6	Total Tetra-Dioxins	24.22	1.411e4	1.753e4	1.452e3	1.719e3	0.84	NO	3.171e3	0.84179	0.84179	0.155
7	Total Tetra-Dioxins	24.45	5.211e3	7.150e3	4.052e2	5.442e2	0.74	NO	9.494e2	0.25205	0.25205	0.155
8	Total Tetra-Dioxins	24.72	6.437e3	5.945e3	4.136e2	4.991e2	0.83	NO	9.127e2	0.24231	0.24231	0.155
9	Total Tetra-Dioxins	24.93	7.601e3	8.351e3	5.594e2	6.528e2	0.86	NO	1.212e3	0.32182	0.32182	0.155
10	Total Tetra-Dioxins	25.30	6.721e3	7.237e3	4.518e2	6.226e2	0.73	NO	1.074e3	0.28525	0.28525	0.155
11	Total Tetra-Dioxins	25.76	2.311e4	3.197e4	1.947e3	2.481e3	0.78	NO	4.429e3	1.1758	1.1758	0.155
12	2,3,7,8-TCDD	26.03	1.997e4	3.296e4	1.415e3	2.157e3	0.66	NO	3.572e3	0.94836	0.94836	0.155
13	Total Tetra-Dioxins	26.36	1.054e4	1.373e4	8.418e2	9.968e2	0.84	NO	1.839e3	0.48813	0.48813	0.155

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.85	6.259e4	1.019e5	5.415e3	8.594e3	0.63	NO	1.401e4	4.9333	4.9333	0.226
2	Total Penta-Dioxins	29.34	2.706e4	4.284e4	1.463e3	2.423e3	0.60	NO	3.886e3	1.3683	1.3683	0.226
3	Total Penta-Dioxins	29.86	4.040e4	6.420e4	2.540e3	3.875e3	0.66	NO	6.415e3	2.2588	2.2588	0.226
4	Total Penta-Dioxins	30.01	3.323e4	5.762e4	1.812e3	3.281e3	0.55	NO	5.092e3	1.7931	1.7931	0.226
5	Total Penta-Dioxins	30.10	1.921e4	2.628e4	1.227e3	1.710e3	0.72	NO	2.937e3	1.0341	1.0341	0.226
6	Total Penta-Dioxins	30.33	3.115e4	4.511e4	1.440e3	2.537e3	0.57	NO	0.000e0	0.00000	1.4005	0.226
7	Total Penta-Dioxins	30.38	2.549e4	3.543e4	1.095e3	1.531e3	0.72	NO	0.000e0	0.00000	0.92483	0.226
8	1,2,3,7,8-PeCDD	31.13	2.644e4	4.327e4	1.349e3	2.305e3	0.59	NO	3.654e3	1.2866	1.2866	0.226
9	Total Penta-Dioxins	31.20	9.955e3	1.626e4	6.497e2	1.014e3	0.64	NO	1.664e3	0.58579	0.58579	0.226
10	Total Penta-Dioxins	31.51	8.249e3	1.687e4	5.146e2	8.775e2	0.59	NO	1.392e3	0.49021	0.49021	0.226

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Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.01	1.538e6	1.279e6	7.633e4	6.202e4	1.23	NO	1.384e5	65.533	65.533	0.436
2	Total Hexa-Dioxins	33.57	1.440e5	1.113e5	7.337e3	5.772e3	1.27	NO	1.311e4	6.2093	6.2093	0.436
3	Total Hexa-Dioxins	33.82	1.030e6	8.291e5	6.853e4	5.502e4	1.25	NO	1.235e5	58.519	58.519	0.436
4	Total Hexa-Dioxins	33.93	1.338e5	1.055e5	8.265e3	6.214e3	1.33	NO	1.448e4	6.8579	6.8579	0.436
5	1,2,3,4,7,8-HxCDD	34.49	4.071e4	2.707e4	1.965e3	1.567e3	1.18	NO	3.632e3	1.7509	1.7509	0.395
6	1,2,3,6,7,8-HxCDD	34.60	2.596e5	2.199e5	1.623e4	1.285e4	1.26	NO	2.908e4	12.369	12.369	0.401
7	Total Hexa-Dioxins	34.77	4.741e4	4.276e4	2.732e3	2.292e3	1.19	NO	5.024e3	2.3795	2.3795	0.436
8	1,2,3,7,8,9-HxCDD	34.87	8.646e4	6.450e4	5.865e3	4.663e3	1.26	NO	1.053e4	4.7841	4.7841	0.453

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.34	9.190e6	9.007e6	6.945e5	6.856e5	1.01	NO	1.380e6	894.90	894.90	1.59
2	1,2,3,4,6,7,8-HpCDD	38.37	5.513e6	5.329e6	4.214e5	4.127e5	1.02	NO	8.340e5	540.84	540.84	1.59

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Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	19.78	1.399e4	1.657e4	1.051e3	1.491e3	0.70	NO	2.542e3	0.67992	0.67992	0.405
2	Total Tetra-Furans	20.27	2.310e4	3.611e4	2.095e3	3.062e3	0.68	NO	5.158e3	1.3797	1.3797	0.405
3	Total Tetra-Furans	20.86	1.464e5	1.941e5	1.262e4	1.627e4	0.78	NO	2.889e4	7.7272	7.7272	0.405
4	Total Tetra-Furans	21.33	1.588e4	2.292e4	1.569e3	2.083e3	0.75	NO	3.652e3	0.97679	0.97679	0.405
5	Total Tetra-Furans	21.42	2.601e4	3.699e4	2.846e3	3.832e3	0.74	NO	6.678e3	1.7864	1.7864	0.405
6	Total Tetra-Furans	21.80	3.508e5	4.624e5	3.442e4	4.638e4	0.74	NO	8.080e4	21.614	21.614	0.405
7	Total Tetra-Furans	22.28	1.042e5	1.422e5	1.023e4	1.358e4	0.75	NO	2.381e4	6.3700	6.3700	0.405
8	Total Tetra-Furans	22.43	1.874e4	1.854e4	1.443e3	1.679e3	0.86	NO	3.122e3	0.83519	0.83519	0.405
9	Total Tetra-Furans	22.64	4.969e4	6.224e4	4.812e3	6.166e3	0.78	NO	1.098e4	2.9367	2.9367	0.405
10	Total Tetra-Furans	23.12	7.550e3	1.004e4	8.695e2	1.028e3	0.85	NO	1.898e3	0.50762	0.50762	0.405
11	Total Tetra-Furans	23.28	1.243e4	1.845e4	1.240e3	1.451e3	0.85	NO	2.691e3	0.71997	0.71997	0.405
12	Total Tetra-Furans	23.46	5.829e4	8.356e4	4.048e3	5.632e3	0.72	NO	9.680e3	2.5893	2.5893	0.405
13	Total Tetra-Furans	23.52	1.334e5	1.851e5	1.535e4	2.066e4	0.74	NO	3.602e4	9.6341	9.6341	0.405
14	Total Tetra-Furans	24.09	1.734e6	2.371e6	1.513e5	2.044e5	0.74	NO	3.557e5	95.140	95.140	0.405
15	Total Tetra-Furans	24.39	4.900e4	6.750e4	4.647e3	6.676e3	0.70	NO	1.132e4	3.0289	3.0289	0.405
16	Total Tetra-Furans	24.61	1.341e4	1.967e4	1.002e3	1.471e3	0.68	NO	2.473e3	0.66159	0.66159	0.405
17	Total Tetra-Furans	24.88	1.112e4	1.742e4	9.473e2	1.231e3	0.77	NO	2.179e3	0.58278	0.58278	0.405
18	Total Tetra-Furans	24.97	1.372e5	1.852e5	7.446e3	1.001e4	0.74	NO	1.746e4	4.6704	4.6704	0.405
19	2,3,7,8-TCDF	25.09	1.738e6	2.280e6	1.433e5	1.898e5	0.75	NO	3.330e5	89.081	89.081	0.405
20	Total Tetra-Furans	25.24	2.440e4	3.493e4	2.220e3	2.663e3	0.83	NO	4.883e3	1.3061	1.3061	0.405
21	Total Tetra-Furans	25.48	6.254e4	8.318e4	5.019e3	6.944e3	0.72	NO	1.196e4	3.2003	3.2003	0.405
22	Total Tetra-Furans	25.72	1.251e4	1.218e4	7.713e2	1.122e3	0.69	NO	1.894e3	0.50652	0.50652	0.405
23	Total Tetra-Furans	27.17	2.090e5	2.848e5	1.377e4	1.840e4	0.75	NO	3.217e4	8.6053	8.6053	0.405

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	27.16	8.561e5	5.638e5	5.519e4	3.678e4	1.50	NO	9.197e4	24.007	24.007	0.0697

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Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.65	9.324e4	5.229e4	5.703e3	3.779e3	1.51	NO	9.482e3	2.4751	2.4751	0.352
2	Total Penta-Furans	28.79	3.016e6	1.938e6	1.963e5	1.243e5	1.58	NO	3.206e5	83.681	83.681	0.352
3	Total Penta-Furans	28.91	6.323e4	3.365e4	2.820e3	1.909e3	1.48	NO	4.729e3	1.2345	1.2345	0.352
4	Total Penta-Furans	29.40	1.643e5	9.373e4	1.035e4	5.972e3	1.73	NO	1.633e4	4.2615	4.2615	0.352
5	Total Penta-Furans	29.46	2.931e4	1.960e4	1.001e3	6.629e2	1.51	NO	1.664e3	0.43429	0.43429	0.352
6	Total Penta-Furans	29.61	7.741e5	4.761e5	3.983e4	2.498e4	1.59	NO	6.481e4	16.918	16.918	0.352
7	1,2,3,7,8-PeCDF	29.81	5.033e6	3.231e6	3.021e5	1.965e5	1.54	NO	4.986e5	125.08	125.08	0.356
8	Total Penta-Furans	29.92	8.976e4	5.933e4	3.732e3	2.191e3	1.70	NO	5.922e3	1.5459	1.5459	0.352
9	Total Penta-Furans	30.07	2.700e6	1.758e6	1.581e5	1.006e5	1.57	NO	2.588e5	67.542	67.542	0.352
10	2,3,4,7,8-PeCDF	30.82	2.865e6	1.868e6	1.673e5	1.122e5	1.49	NO	2.795e5	71.612	71.612	0.328
11	Total Penta-Furans	30.85	1.491e6	9.323e5	3.044e4	1.849e4	1.65	NO	4.894e4	12.773	12.773	0.352
12	Total Penta-Furans	31.75	1.748e5	1.044e5	9.685e3	5.506e3	1.76	NO	1.519e4	3.9654	3.9654	0.352

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.46	2.021e5	1.762e5	1.027e4	8.942e3	1.15	NO	1.922e4	7.8477	7.8477	0.364
2	Total Hexa-Furans	32.62	9.467e5	7.744e5	4.770e4	4.000e4	1.19	NO	8.770e4	35.817	35.817	0.364
3	Total Hexa-Furans	33.17	1.030e6	8.401e5	5.305e4	4.377e4	1.21	NO	9.681e4	39.539	39.539	0.364
4	Total Hexa-Furans	33.54	4.937e4	4.371e4	2.163e3	2.037e3	1.06	NO	4.201e3	1.7155	1.7155	0.364
5	1,2,3,4,7,8-HxCDF	33.63	4.448e6	3.701e6	2.382e5	1.989e5	1.20	NO	4.371e5	181.19	181.19	0.353
6	1,2,3,6,7,8-HxCDF	33.75	1.069e6	9.156e5	6.462e4	5.404e4	1.20	NO	1.187e5	42.944	42.944	0.309
7	2,3,4,6,7,8-HxCDF	34.32	2.806e5	2.418e5	1.572e4	1.301e4	1.21	NO	2.873e4	12.211	12.211	0.351
8	1,2,3,7,8,9-HxCDF	35.26	3.663e5	2.998e5	1.838e4	1.549e4	1.19	NO	3.387e4	18.096	18.096	0.550
9	Total Hexa-Furans	35.28	2.270e5	1.686e5	4.732e3	3.393e3	1.39	NO	8.125e3	3.3183	3.3183	0.364

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-7.qld

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Printed: Sunday, May 24, 2020 10:42:40 AM Pacific Daylight Time

3-HD-200521R2-7.qld, Date: 24-May-2020, Time: 17:49:13, HDI-200957.09, RD: 147S6-A-11-12-200425.16.41, Description: PD-147S6-A-11-12-200425

Hepta-Furans

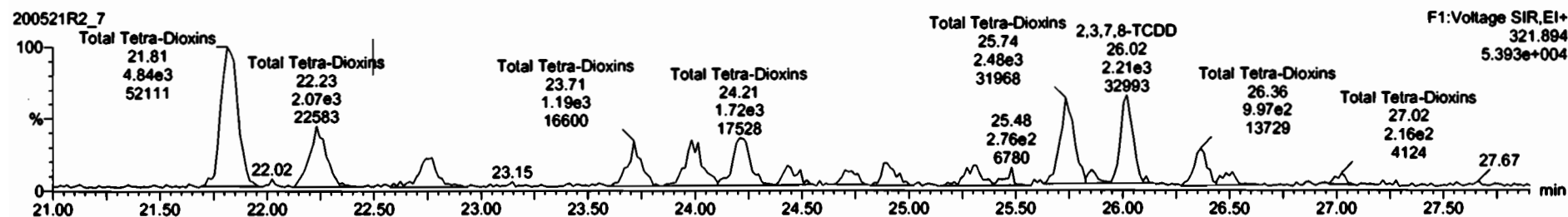
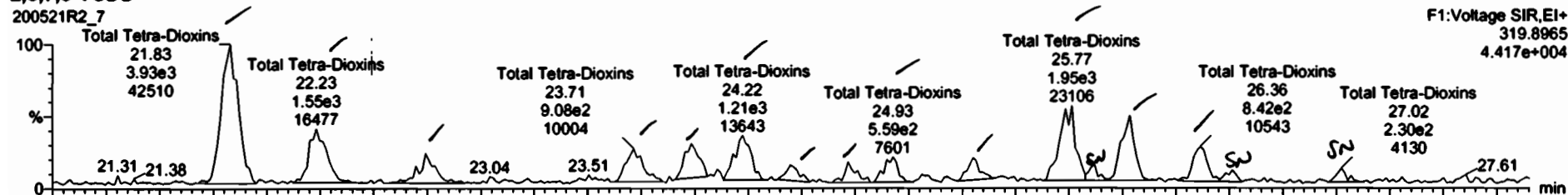
	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1.2.3.4.6.7.8-HpCDF	36.94	8.503e5	8.670e5	6.244e4	6.209e4	1.01	NO	1.245e5	73.949	73.949	0.513
2	Total Hepta-Furans	37.34	1.453e4	1.286e4	9.410e2	9.501e2	0.99	NO	1.891e3	1.3597	1.3597	0.574
3	Total Hepta-Furans	37.54	1.576e6	1.525e6	1.175e5	1.154e5	1.02	NO	2.329e5	167.48	167.48	0.574
4	1.2.3.4.7.8.9-HpCDF	38.96	1.183e5	1.322e5	8.133e3	8.367e3	0.97	NO	1.650e4	12.947	12.947	0.576

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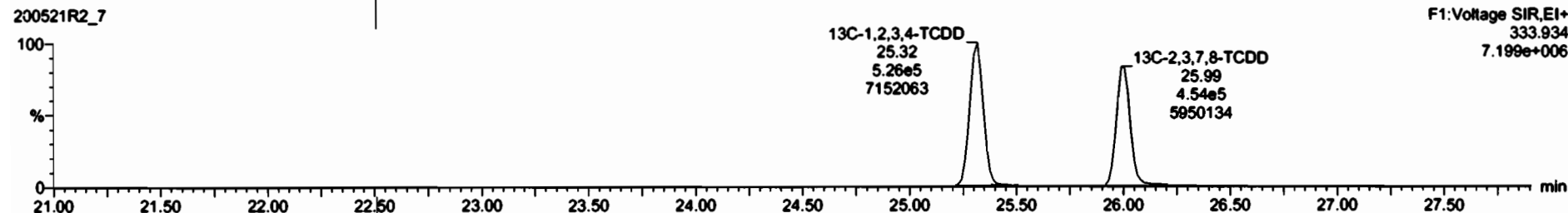
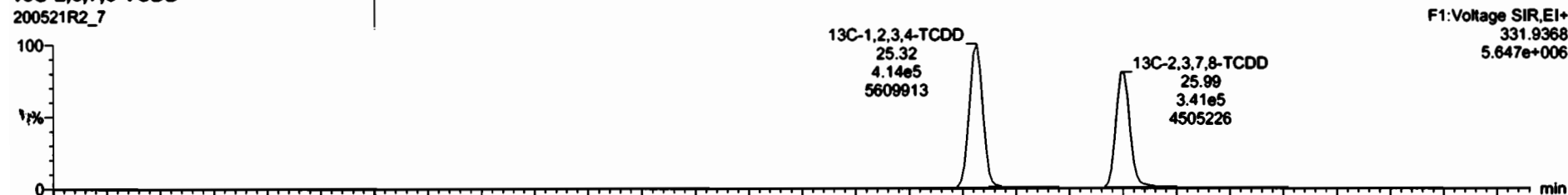
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Name: 200521R2_7, Date: 21-May-2020, Time: 17:42:43, ID: 2000957-09 PDI-147SC-A-11-12-200425 16.41, Description: PDI-147SC-A-11-12-200425

2,3,7,8-TCDD

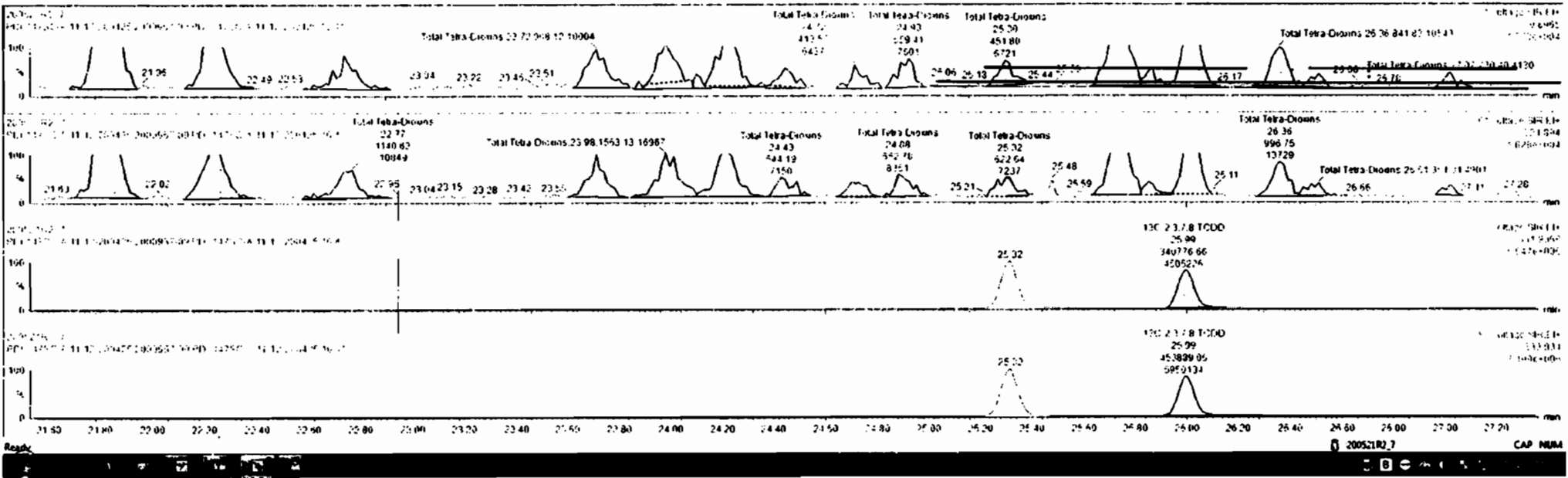


13C-2,3,7,8-TCDD



Name	Resp	RA	aly	RRP	actval	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Chloros				8.8475	18.885			8.79		8.155	18.8
40 Total Penta-Chloros				0.9425	13.465			0.9		0.225	14.7

Name	RT	m1 Resp	m2 Resp	RA	aly	EMPC	Conc
1 Total Tetra-Chloros	21.33	7.627e3	1.839e3	0.14	NO	0.1295	0.1762
2 Total Tetra-Chloros	22.13	1.111e3	7.095e3	0.25	NO	0.3917	0.56122
3 Total Tetra-Chloros	22.74	1.987e2	1.141e2	0.20	NO	0.11479	0.11478
4 Total Tetra-Chloros	23.22	8.271e2	1.152e3	0.26	NO	0.44752	0.44752
5 Total Tetra-Chloros	23.44	1.111e3	1.273e3	0.74	NO	0.71278	0.72232
6 Total Tetra-Chloros	24.27	1.811e2	1.719e2	0.04	NO	0.68178	0.14179
7 Total Tetra-Chloros	24.41	4.051e2	5.442e2	0.74	NO	0.11205	0.25205
8 Total Tetra-Chloros	24.72	2.137e2	4.391e2	0.45	NO	0.44211	0.44211
9 Total Tetra-Chloros	24.93	5.194e2	6.529e2	0.86	NO	0.12182	0.22182
10 Total Tetra-Chloros	25.20	4.115e2	6.228e2	0.75	NO	0.26525	0.26525
11 Total Tetra-Chloros	25.26	1.947e3	2.491e3	0.26	NO	1.1115	1.1152
12 Total Tetra-Chloros	25.37	1.411e2	2.629e2	0.65	NO	0.13946	0.13946
13 Total Tetra-Chloros	25.63	1.815e2	1.157e3	0.44	NO	0.34726	0.34726
14 Total Tetra-Chloros	26.36	8.419e2	5.965e2	0.64	NO	0.45212	0.45212
15 Total Tetra-Chloros	26.61	2.720e2	1.113e2	0.05	NS	0.11121	0.00000
16 Total Tetra-Chloros	27.02	2.704e2	2.158e2	0.07	ES	0.11140	0.00000



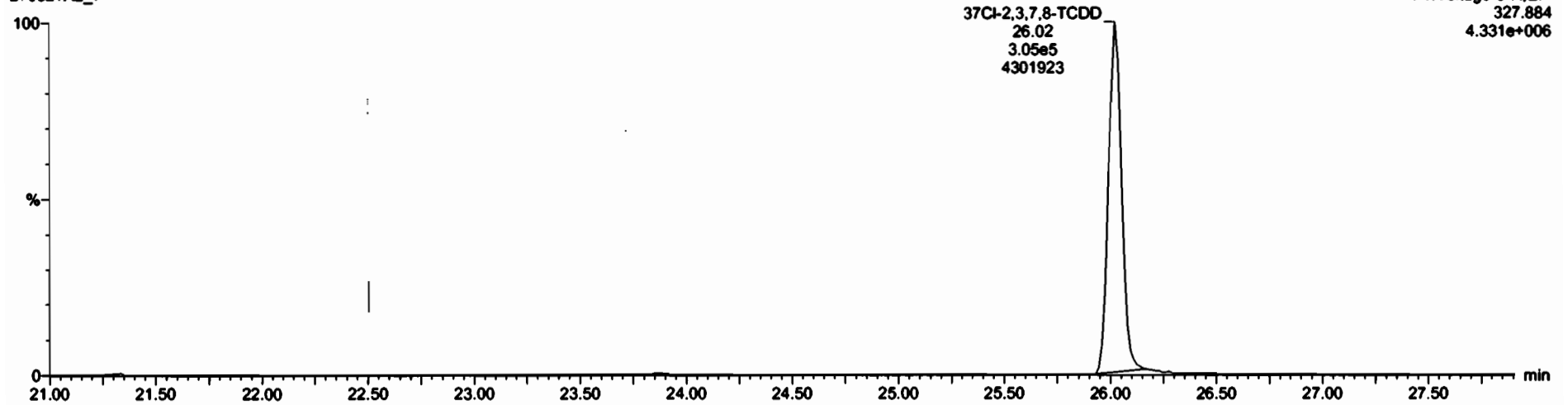
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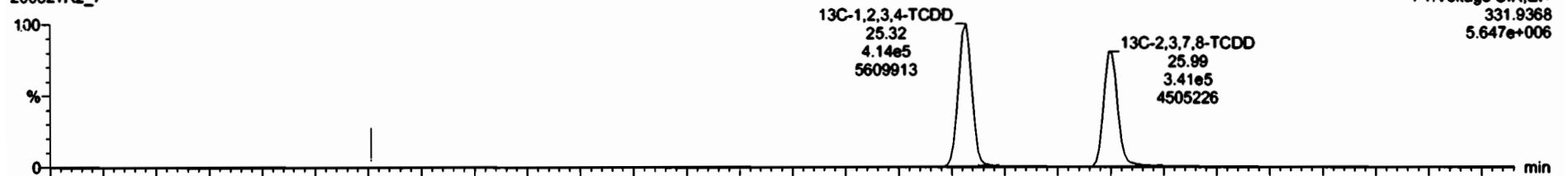
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200521R2_7

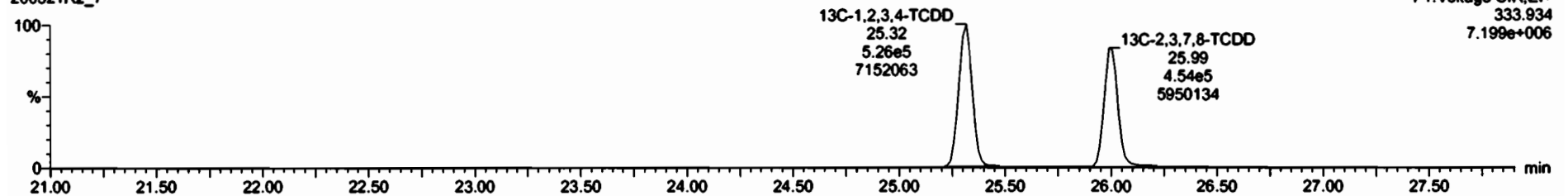


13C-1,2,3,4-TCDD

200521R2_7



200521R2_7

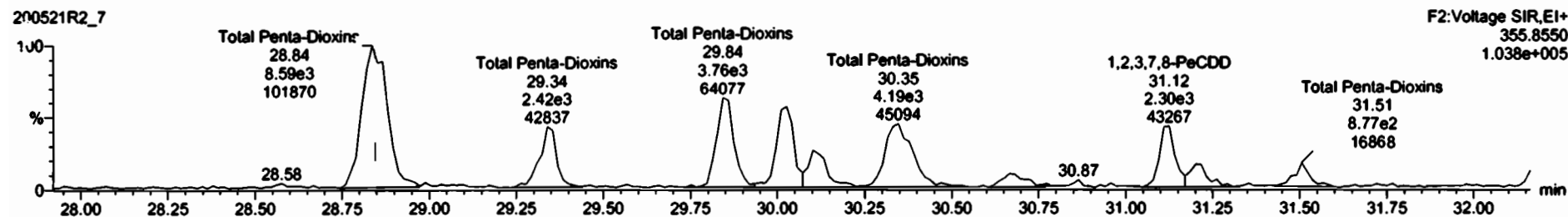
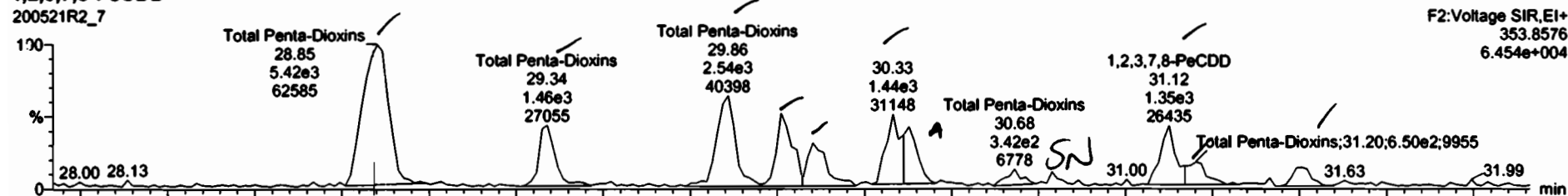


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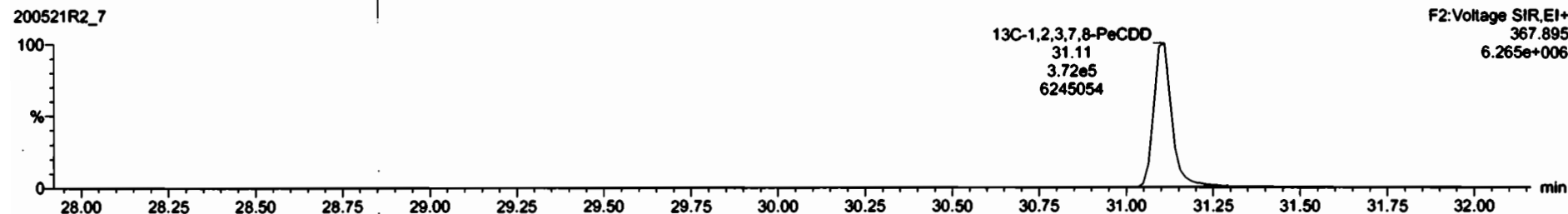
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1,2,3,7,8-PeCDD

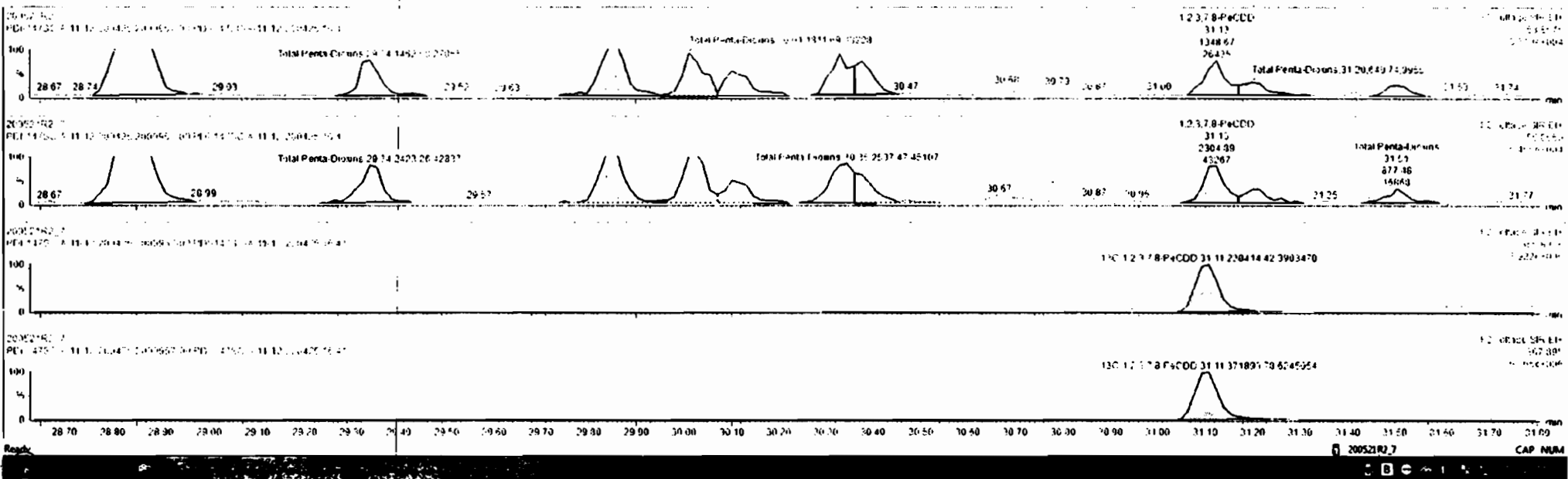


13C-1,2,3,7,8-PeCDD



Name	Resp	RA	dy	RRF	RRF	RRF	RRF	Conc	%Rec	DL	EMPC
30 Total Penta-Chlorins				0.9475	17.00%			1.64		0.155	9.64
40 Total Penta-Chlorins				0.9425	18.00%			13.0		0.228	10.1

Name	RT	int Resp	int Resp	RA	dy	EMPC	Conc
1 Total Penta-Chlorins	28.57	1.411e3	2.594e3	0.47	NO	4.0577	1.913
2 Total Penta-Chlorins	29.74	1.461e3	2.473e3	0.48	NO	1.7627	1.9627
3 Total Penta-Chlorins	29.86	1.546e3	1.875e3	0.64	NO	1.2568	1.2568
4 Total Penta-Chlorins	30.51	1.812e3	2.201e3	0.82	NO	1.7917	1.7917
5 Total Penta-Chlorins	30.10	1.727e3	1.715e3	0.72	NO	1.0157	1.0157
6 Total Penta-Chlorins	30.73	1.440e3	2.537e3	0.57	NO	1.4027	0.00070
7 Total Penta-Chlorins	30.28	1.355e3	1.531e3	0.71	NO	0.5247	0.00070
8 1,2,3,7,8-PeCDD	31.12	1.319e3	2.205e3	0.59	NO	1.7846	1.7846
9 Total Penta-Chlorins	31.26	6.497e2	1.014e3	0.64	NO	0.50179	0.50179
10 Total Penta-Chlorins	31.51	1.146e2	8.775e2	0.55	NO	0.44021	0.44021



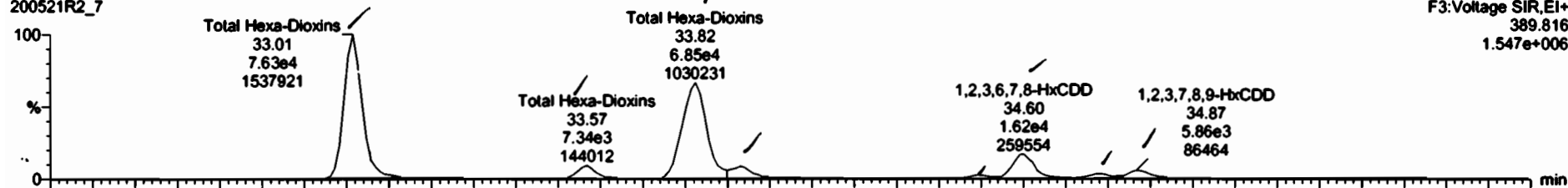
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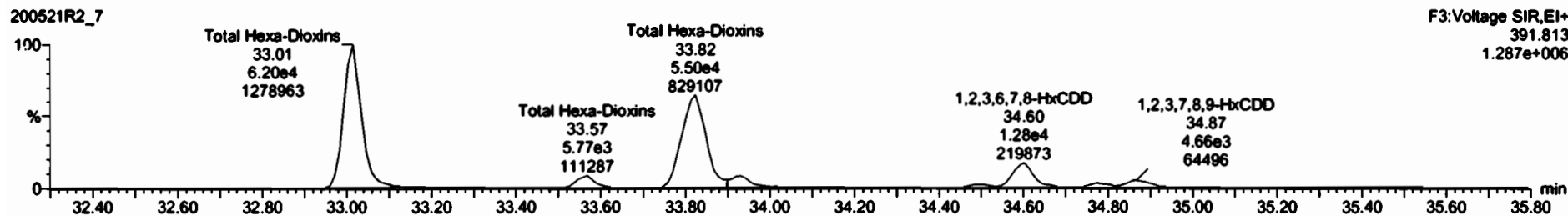
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1,2,3,4,7,8-HxCDD

200521R2_7

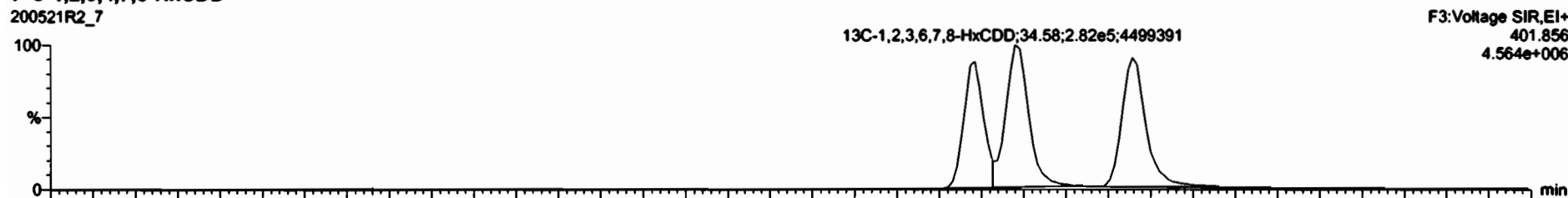


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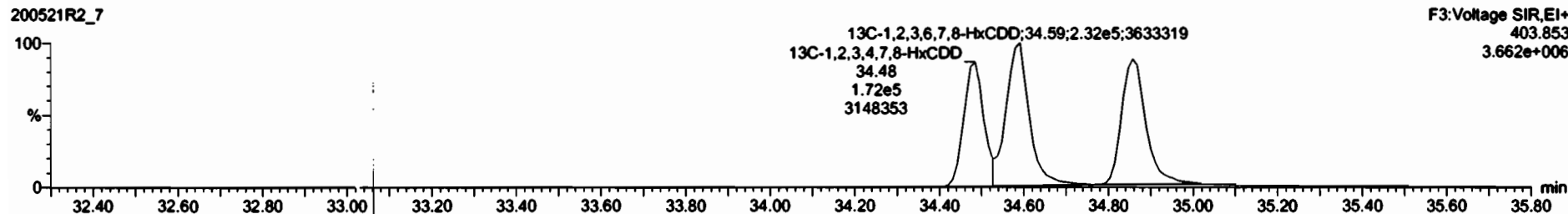


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200521R2_7



200521R2_7



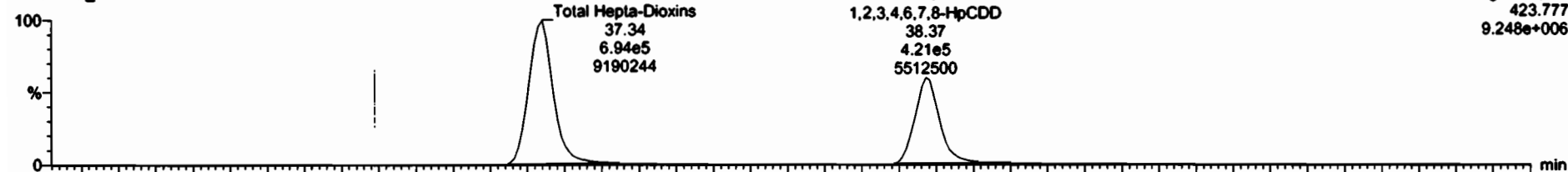
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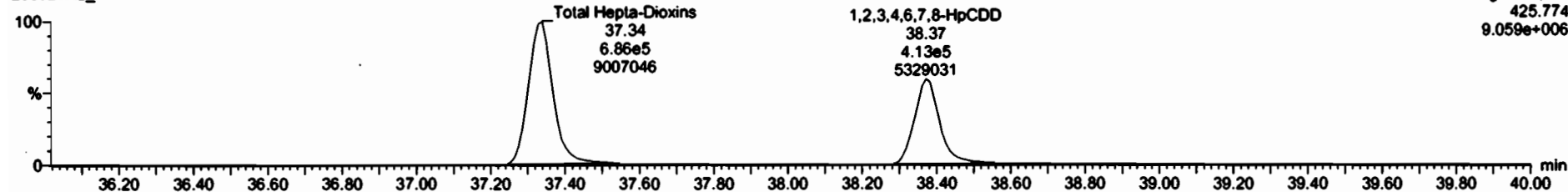
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1,2,3,4,6,7,8-HpCDD

200521R2_7

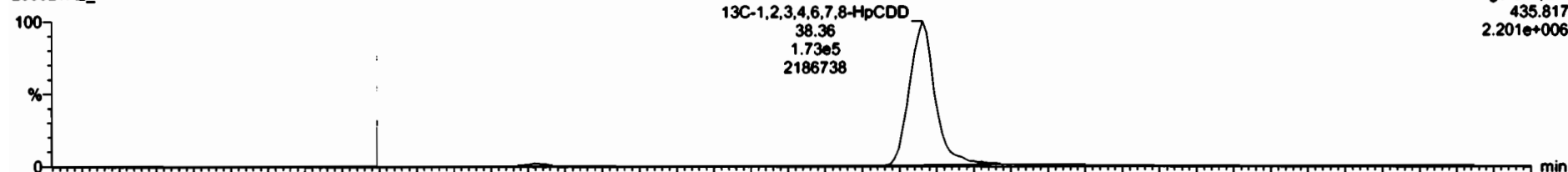


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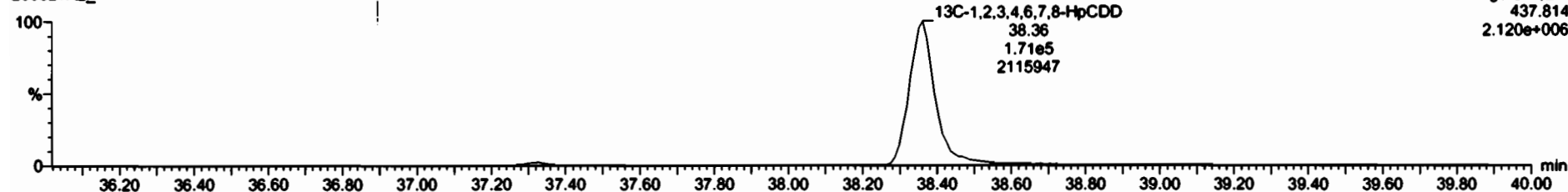


13C-1,2,3,4,6,7,8-HpCDD

200521R2_7



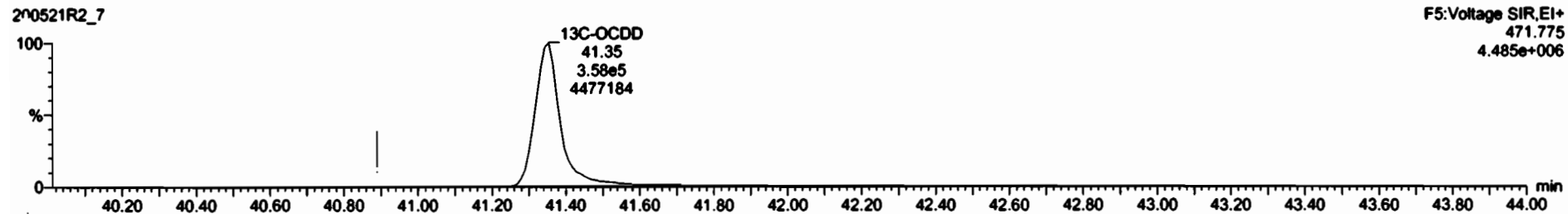
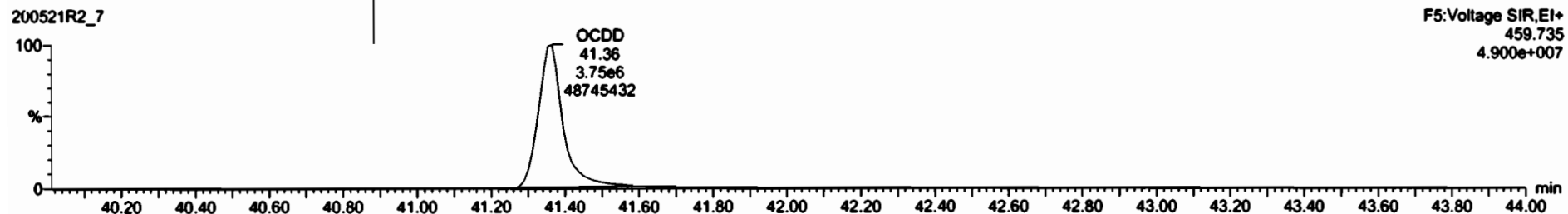
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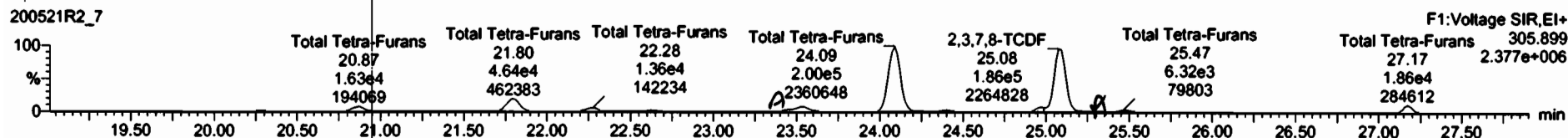
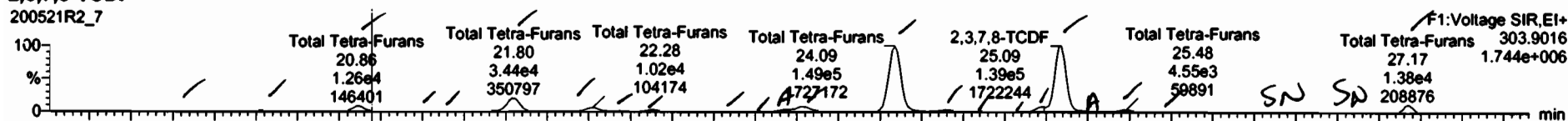


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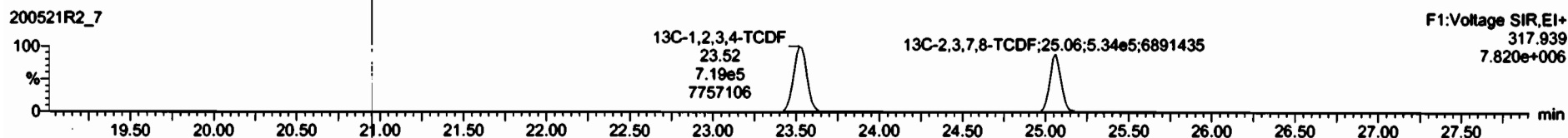
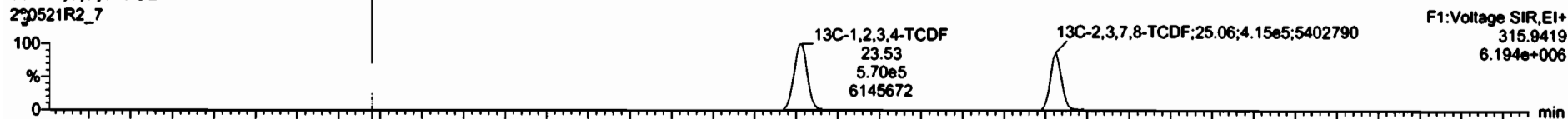
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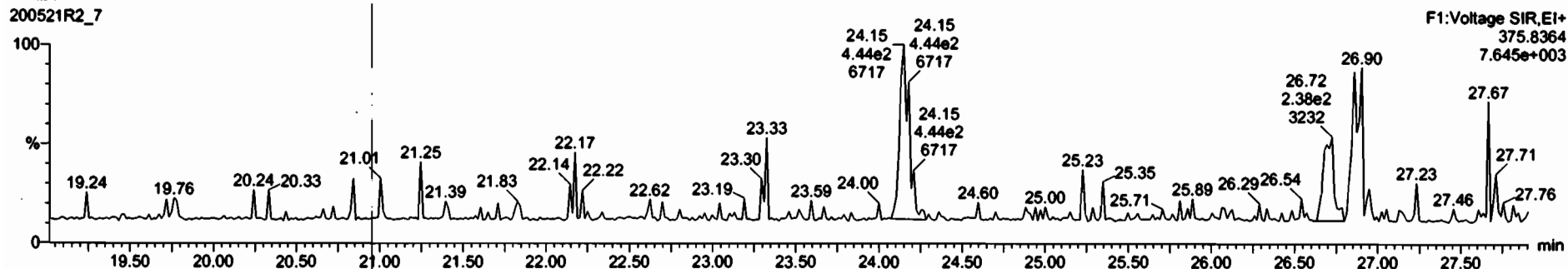
2,3,7,8-TCDF



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

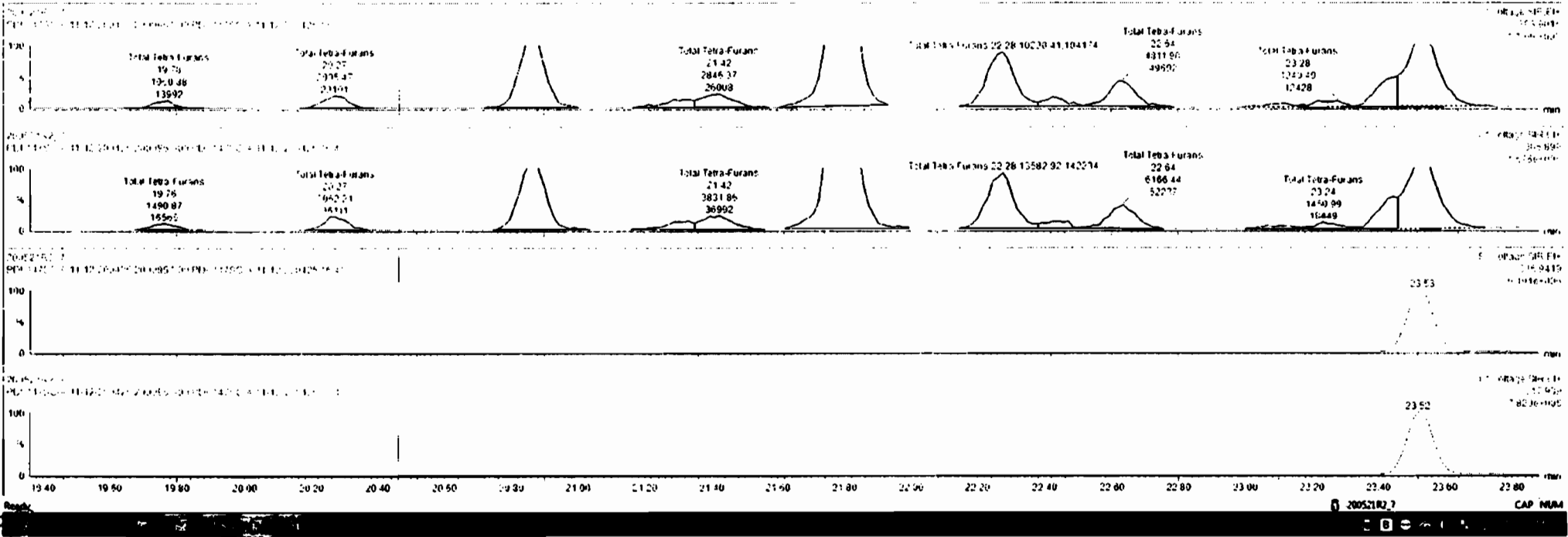


DPE1



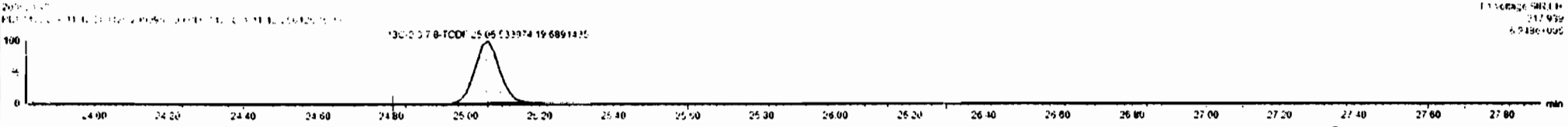
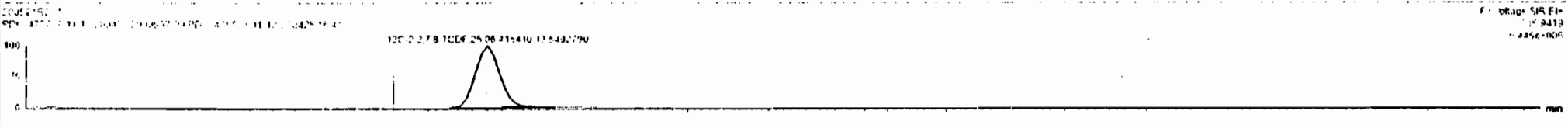
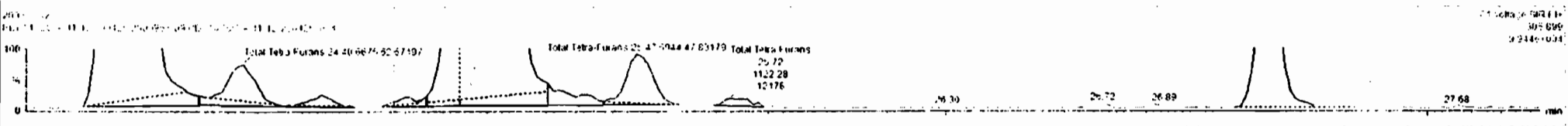
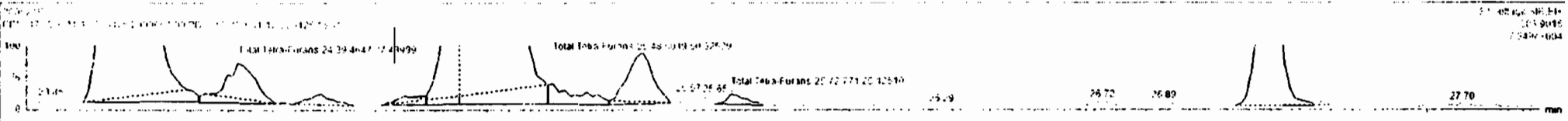
#	Name	Resp	RA	ny	RRF	airvol	RT	RRF	Conc	%Rec	DL	EMPC
42	Total Hepta-Furans				0.6775	10.000			1440	1.59	1.880	
43	Total Tetra-Furans				0.7871	10.000			259	0.405	280	

#	Name	RT	m1 Resp	m2 Resp	RA	ny	EMPC	Conc
1	Total Tetra-Furans	19.79	1.051e3	1.791e3	0.70	NO	0.47962	0.17967
2	Total Tetra-Furans	20.27	2.095e3	2.062e3	0.78	NO	1.2797	1.1757
3	Total Tetra-Furans	20.86	1.262e3	1.427e3	0.72	NO	7.7272	2.7272
4	Total Tetra-Furans	21.32	1.566e3	2.083e3	0.75	NO	6.57676	6.57676
5	Total Tetra-Furans	21.42	2.846e3	2.671e3	0.74	NO	1.7664	1.7664
6	Total Tetra-Furans	21.80	3.462e3	4.028e3	0.74	NO	21.451	21.614
7	Total Tetra-Furans	22.28	1.022e3	1.222e3	0.77	NO	6.3700	2.7700
8	Total Tetra-Furans	22.42	1.443e3	1.679e3	0.58	NO	0.63519	6.52519
9	Total Tetra-Furans	22.64	4.812e3	6.166e3	0.78	NO	2.9367	3.3367
10	Total Tetra-Furans	23.24	8.046e3	6.079e3	0.62	NO	0.56762	6.50762
11	Total Tetra-Furans	23.28	1.240e3	1.471e3	0.60	NO	0.71997	0.71997
12	Total Tetra-Furans	23.46	4.048e3	3.624e3	0.71	NO	2.5893	2.4852
13	Total Tetra-Furans	23.52	1.525e3	1.766e3	0.74	NO	2.6341	3.0241



#	Name	Resp	RA	dy	RF	WV	RT	RR	Conc	%Rec	CL	EMPC
42	Total Toba Furans				0.8575	10.00			1440		1.59	1440
43	Total Toba Furans				0.7671	18.886			286		6.409	286

#	Name	RT	m1 Resp	m2 Resp	RA	dy	EMPC	Conc
11	Total Toba Furans	23.21	17.2633	11.161	0.65	NO	7.71567	0.1997
12	Total Toba Furans	23.46	4.2426	11.161	0.72	NO	1.267	1.657
13	Total Toba Furans	23.52	1.17662	10.624	0.74	NO	5.624	1.341
14	Total Toba Furans	24.09	15.1365	10.846	0.74	NO	25.142	56.140
15	Total Toba Furans	24.39	4.44763	10.792	0.70	NO	10.275	1.3259
16	Total Toba Furans	24.61	1.0206	10.716	0.65	NO	0.68175	0.66119
17	Total Toba Furans	24.90	5.47302	11.312	0.77	NO	6.4678	0.8276
18	Total Toba Furans	24.97	7.4863	10.0164	0.74	NO	4.6729	4.6734
19	Total Toba Furans	25.09	1.42266	1.9667	0.72	NO	59.551	59.261
20	Total Toba Furans	25.24	2.2063	1.6676	0.67	NO	1.306	1.3061
21	Total Toba Furans	25.48	4.21563	1.9667	0.72	NO	11.001	7.037
22	Total Toba Furans	25.71	7.7126	1.7293	0.69	NO	0.4072	1.0022
23	Total Toba Furans	25.87	1.7734	1.9667	0.72	NO	1.6011	5.923



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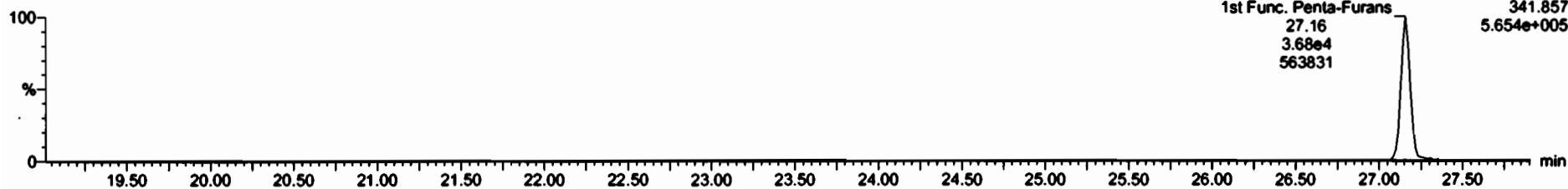
Name: 200521R2_7, Date: 21-May-2020, Time: 17:42:43, ID: 2000957-09 PDI-147SC-A-11-12-200425 16.41, Description: PDI-147SC-A-11-12-200425

1st Func. Penta-Furans

200521R2_7

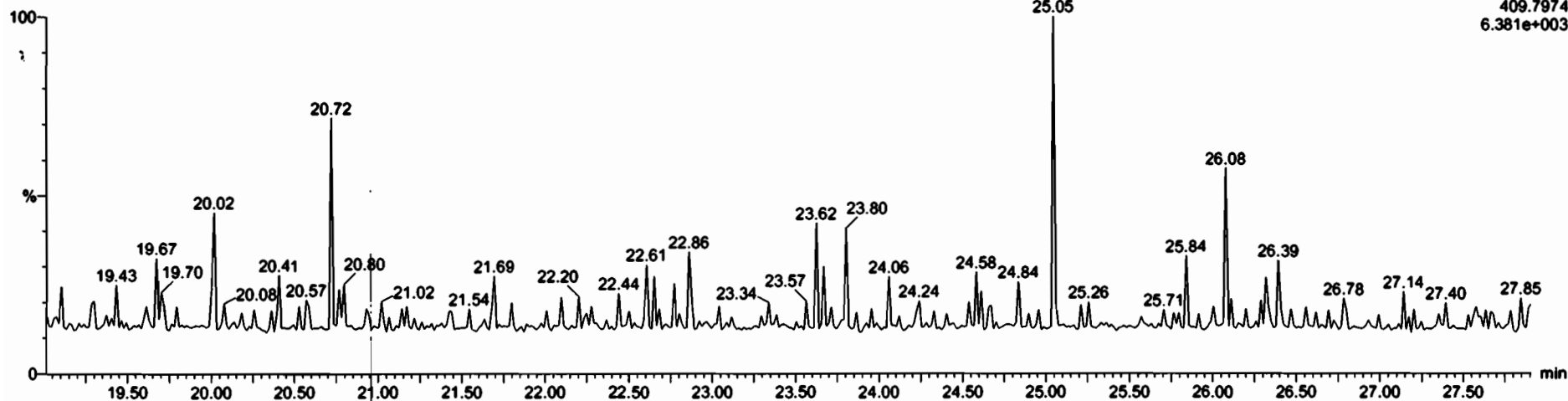


200521R2_7



DPE6

200521R2_7



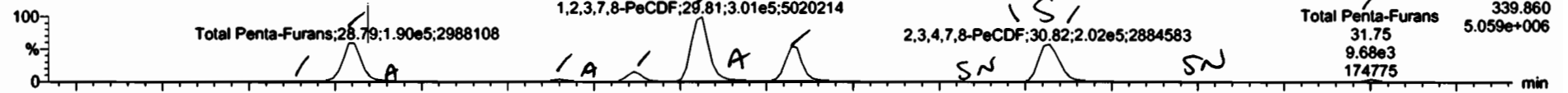
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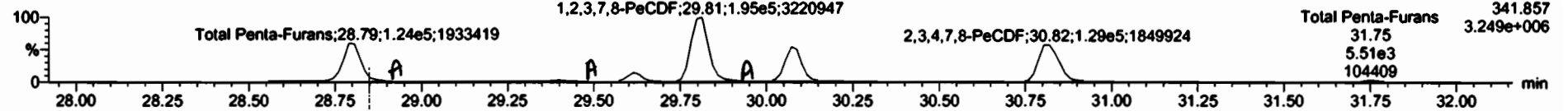
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1,2,3,7,8-PeCDF

200521R2_7

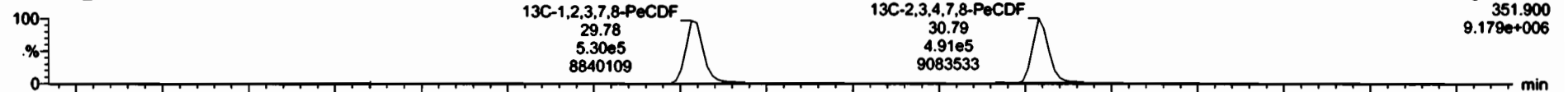


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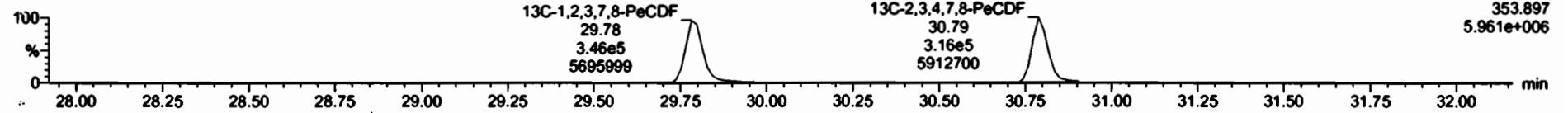


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200521R2_7

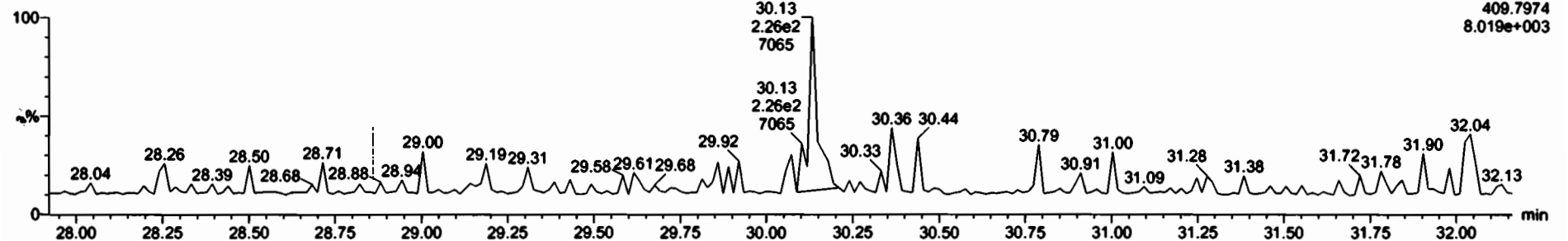


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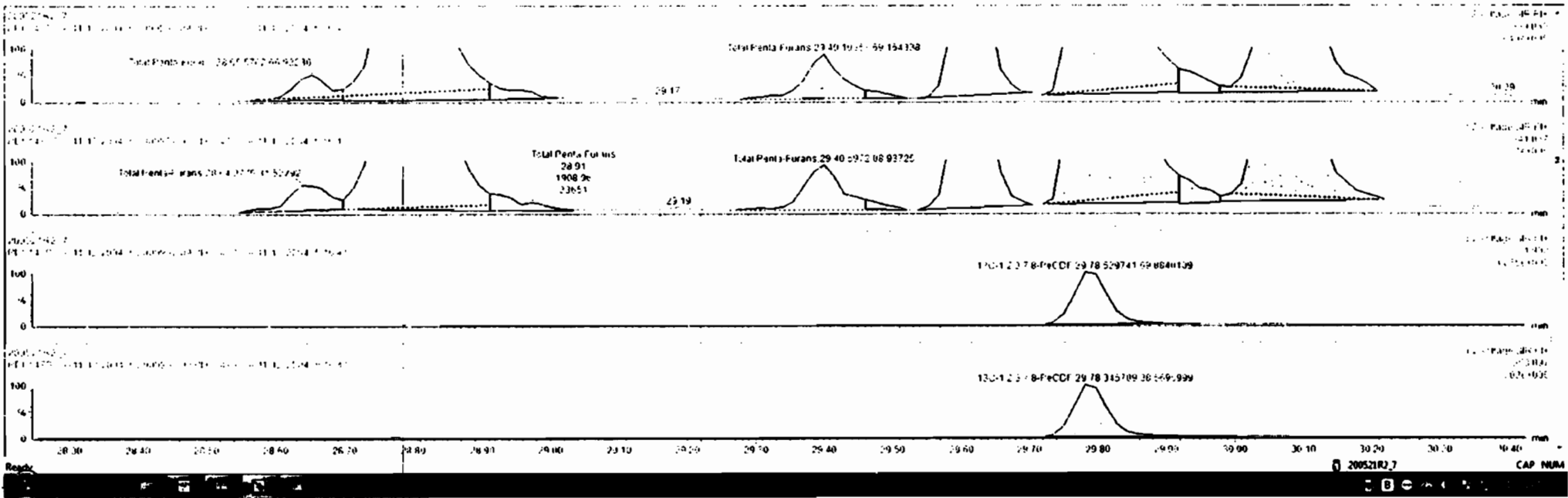
DPE2

200521R2_7



#	Name	Resp	RA	RY	RR	Value	RT	BRT	Conc	%Rec	DL	EMPC
45	Total Penta-Furans				0.9162	10.895			389		0.352	382
46	Total Hexa-Furans				0.6212	12.005			341		0.364	340

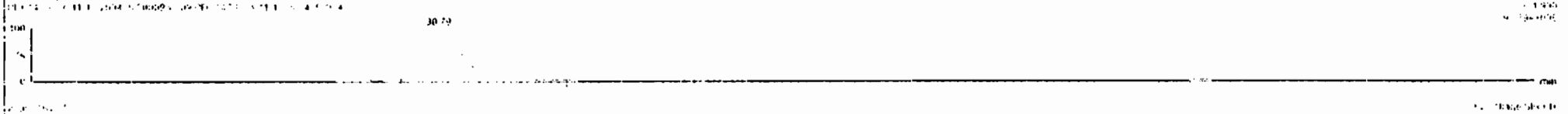
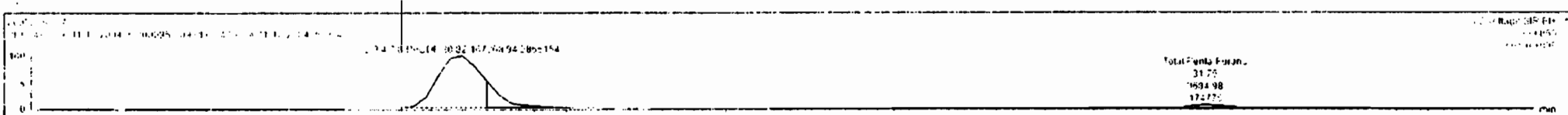
#	Name	RT	m1 Resp	m2 Resp	RA	RY	EMPC	Conc
1	Total Penta-Furans	28.61	1.71e4	1.71e4	1.11	102	2.4751	2.4751
2	Total Penta-Furans	28.79	1.71e4	1.71e4	1.11	102	1.7421	1.7421
3	Total Penta-Furans	28.91	1.71e4	1.71e4	1.11	102	1.2741	1.2741
4	Total Penta-Furans	29.40	1.71e4	1.71e4	1.11	102	4.2615	4.2615
5	Total Penta-Furans	29.46	1.71e4	1.71e4	1.11	102	6.4323	6.4323
6	Total Penta-Furans	29.61	1.71e4	1.71e4	1.11	102	16.915	16.915
7	1,2,3,7,8-PeCDF	29.61	1.71e4	1.71e4	1.11	102	125.00	125.00
8	Total Penta-Furans	29.59	1.71e4	1.71e4	1.11	102	1.4419	1.4419
9	Total Penta-Furans	29.07	1.71e4	1.71e4	1.11	102	67.542	67.542
10	Total Penta-Furans	30.56	1.71e4	1.71e4	1.11	102	0.17424	0.17424
11	Total Penta-Furans	30.55	1.71e4	1.71e4	1.11	102	0.21540	0.21540
12	2,3,4,7,8-PeCDF	30.55	1.71e4	1.71e4	1.11	102	34.948	34.948
13	Total Penta-Furans	31.7	1.71e4	1.71e4	1.11	102	1.9674	1.9674





#	Name	Resp	RA	Qty	RSP	RRP	RT	RRT	Conc	%Rec	DL	EMPC
05	Total Penta-Furans				0.0182	10.805			300	0.362	302	
06	Total Hexa-Furans				0.621	12.005			741	0.364	742	

#	Name	RT	nt Resp	m2 Resp	RA	Qty	EMPC	Conc
1	Total Penta-Furans	28.95	1.725e3	1.775e3	11	100	100.00	1.775
2	Total Penta-Furans	29.79	1.567e3	1.243e3	12	100	100.00	1.243
3	Total Penta-Furans	28.91	1.076e3	1.564e3	13	100	100.00	1.564
4	Total Penta-Furans	29.40	1.035e3	1.972e3	12	100	100.00	1.972
5	Total Penta-Furans	29.40	1.101e3	1.427e3	12	100	100.00	1.427
6	Total Penta-Furans	29.81	1.022e3	2.476e3	12	100	100.00	2.476
7	2,3,7,8-PeCDF	29.83	1.011e3	1.505e3	14	100	100.00	1.505
8	Total Penta-Furans	29.82	1.732e3	2.191e3	12	100	100.00	2.191
9	Total Penta-Furans	29.87	1.618e3	1.005e3	12	100	100.00	1.005
10	2,3,7,8-PeCDF	30.82	1.022e3	1.822e3	12	100	100.00	1.822
11	Total Penta-Furans	30.82	1.044e3	1.642e3	12	100	100.00	1.642
12	Total Penta-Furans	31.75	0.555e3	1.056e3	12	100	100.00	1.056

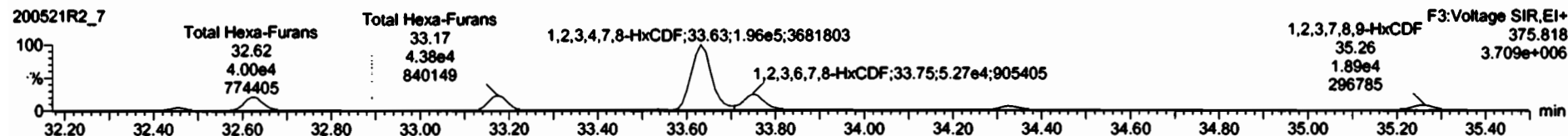
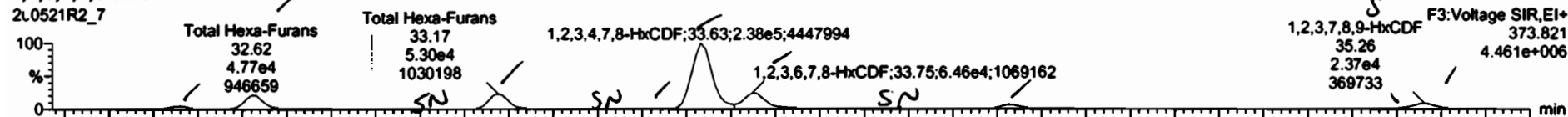


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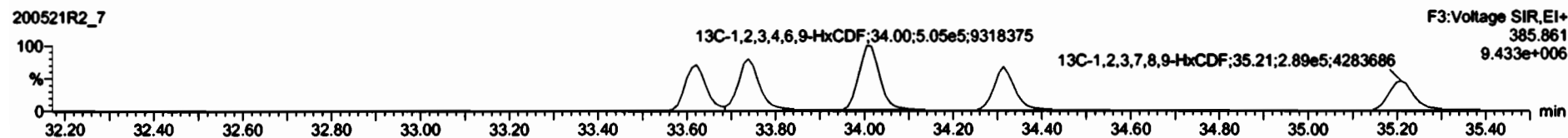
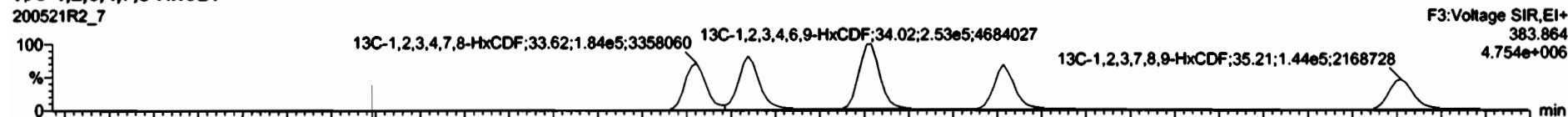
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Name: 200521R2_7, Date: 21-May-2020, Time: 17:42:43, ID: 2000957-09 PDI-147SC-A-11-12-200425 16.41, Description: PDI-147SC-A-11-12-200425

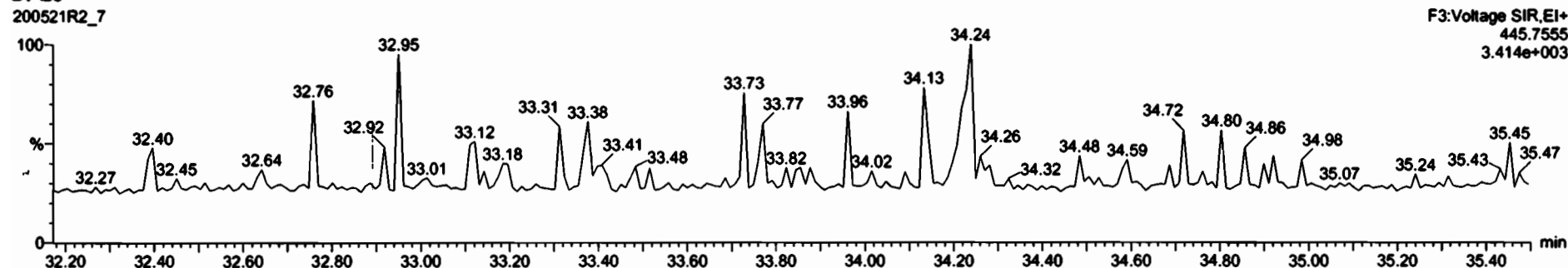
1,2,3,4,7,8-HxCDF



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



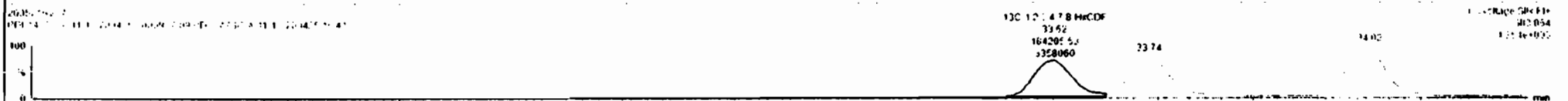
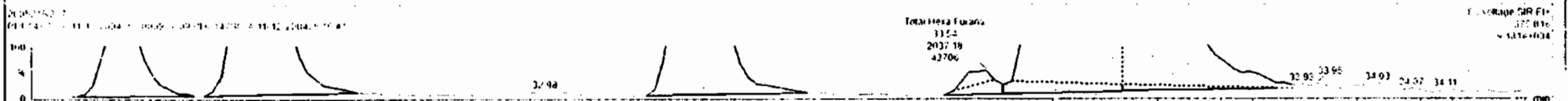
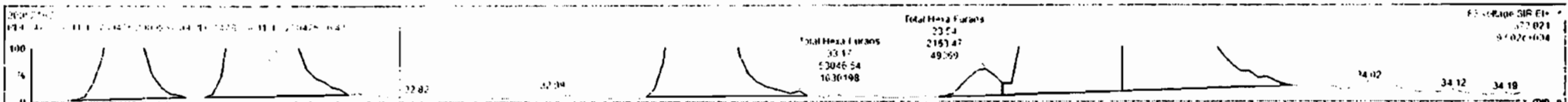
DPE3





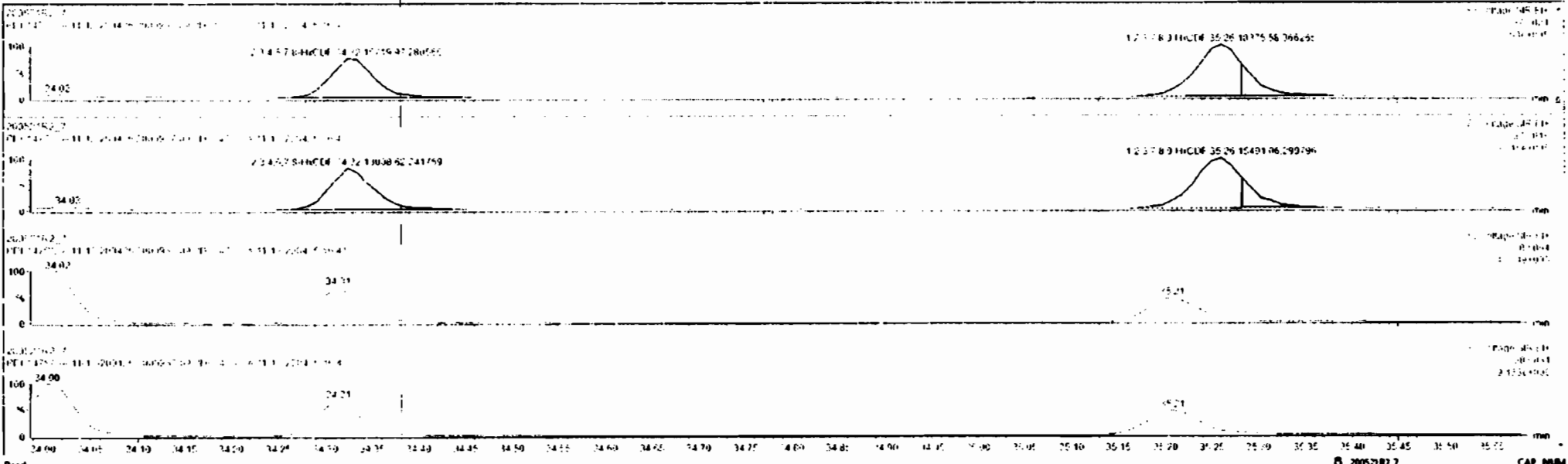
Name	Reap	RA	ely	RRP	width	RT	RRT	Comp	MRc	DL	EMPC
Total Hexa Furans				0.910	12.005				5	0.352	30
Total Hexa Furans				0.927	10.806			342		0.364	344

Name	RT	net Resp	sq Resp	RA	ely	EMPC	Comp
Total Hexa Furans	32.98	1.277e4	1.624e5	1.18	NO	7.527	7.827
Total Hexa Furans	33.72	4.770e4	4.900e4	1.19	NO	15.817	15.817
Total Hexa Furans	33.95	5.106e4	4.377e4	1.21	NO	15.816	15.816
Total Hexa Furans	33.54	2.163e2	2.037e3	1.06	NO	1.715	0.20000
1,2,3,4,5,6-HxCDF	33.67	2.162e5	1.398e5	1.22	NO	12.115	12.115
1,2,3,4,6-HxCDF	34.03	8.407e4	1.404e4	1.20	NO	42.544	42.544
1,2,3,4,5,6-HxCDF	34.34	1.579e4	1.301e4	1.21	NO	12.211	12.211
1,2,3,4,5,6-HxCDF	34.36	2.371e4	1.891e4	1.25	NO	22.777	22.777



#	Name	Resp	RA	ry	RSP	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
85	Total Hexa-Furans				0.912	10.000			392		0.364	343
86	Total Hexa-Furans				0.9277	10.000			343		0.364	343

#	Name	RT	wt Resp	m2 Resp	RA	ry	EMPC	Conc
1	Total Hexa-Furans	32.46	2.222e4	7.342e7	1.15	NO	7.3477	7.3477
2	Total Hexa-Furans	32.47	2.172e4	4.620e4	1.19	NO	35.817	35.817
3	Total Hexa-Furans	32.47	1.705e4	4.777e4	1.21	NO	76.535	76.535
4	Total Hexa-Furans	32.54	2.165e3	1.637e3	1.08	NO	1.7155	1.7155
5	1,2,3,4,7,8-HxCDF	33.61	2.072e3	1.249e3	1.20	NO	121.16	121.16
6	1,2,3,6,7,8-HxCDF	33.73	5.412e4	1.404e4	1.20	NO	42.944	42.944
7	2,3,4,6,7,8-HxCDF	34.33	1.172e4	1.016e4	1.21	NO	12.231	12.231
8	1,2,3,7,8,9-HxCDF	34.33	1.420e4	1.149e4	1.10	NO	18.090	18.090
9	Total Hexa-Furans	34.36	4.772e3	1.393e3	1.20	NO	3.3182	3.3182



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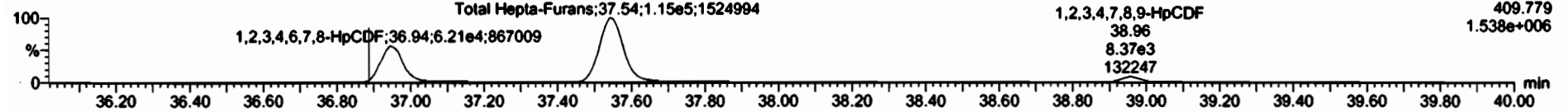
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1,2,3,4,6,7,8-HpCDF

200521R2_7



200521R2_7

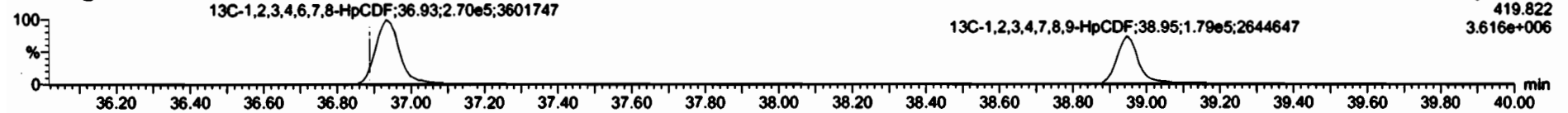


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200521R2_7

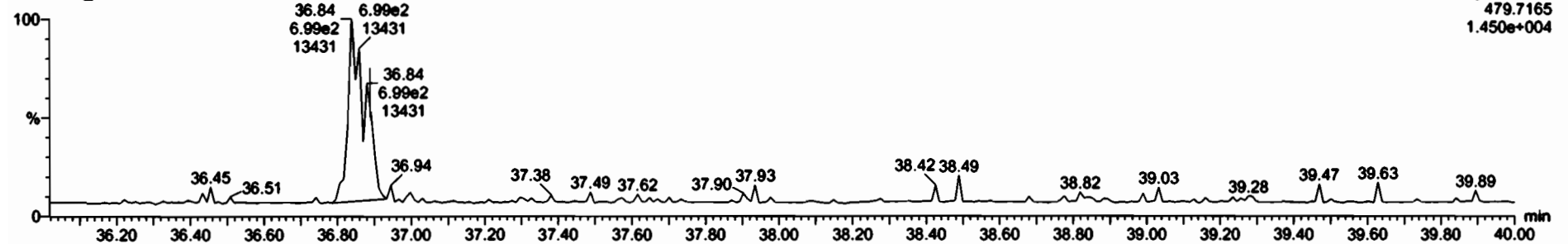


200521R2_7



DPE4

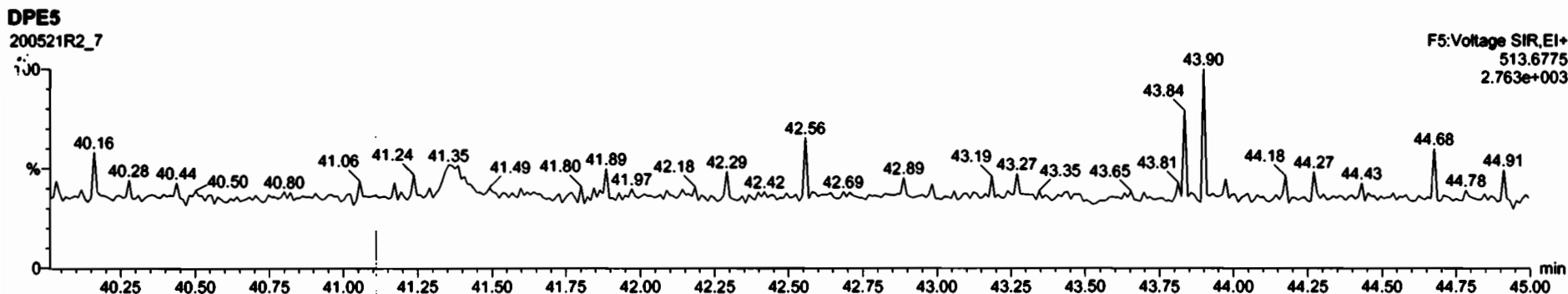
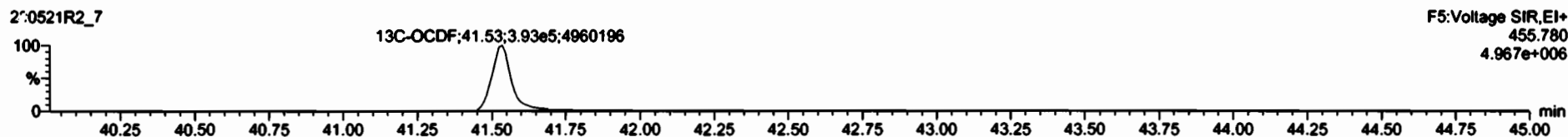
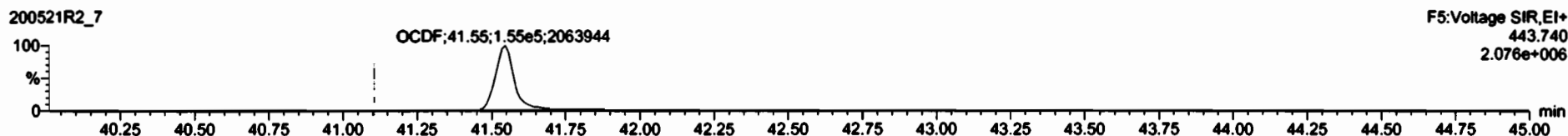
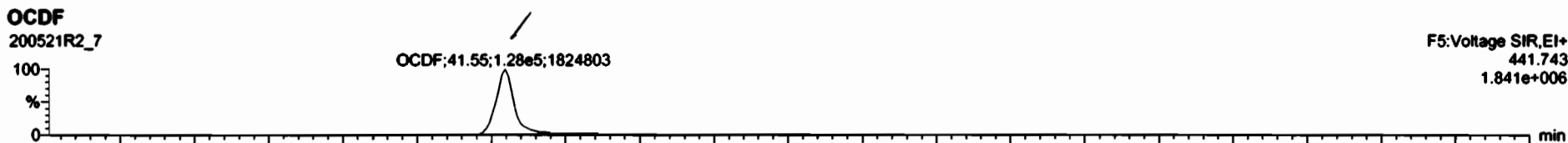
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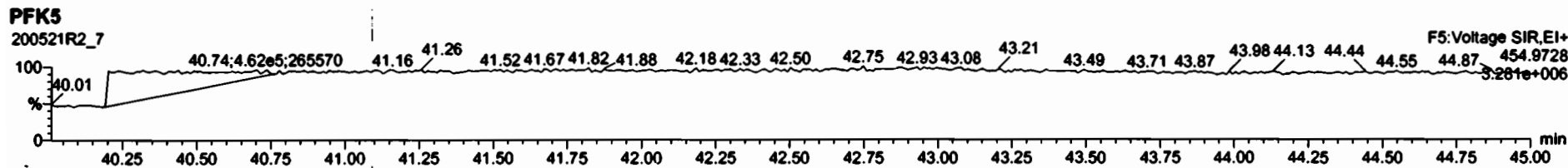
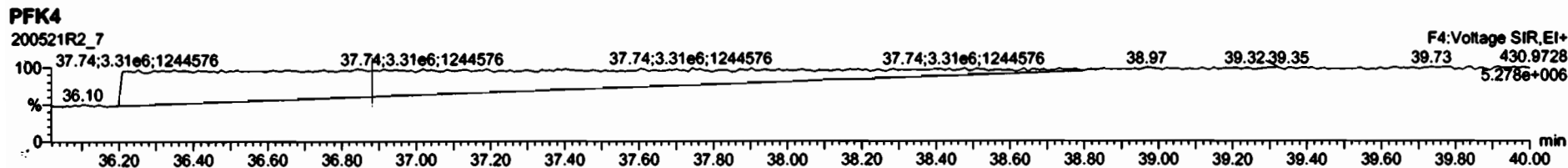
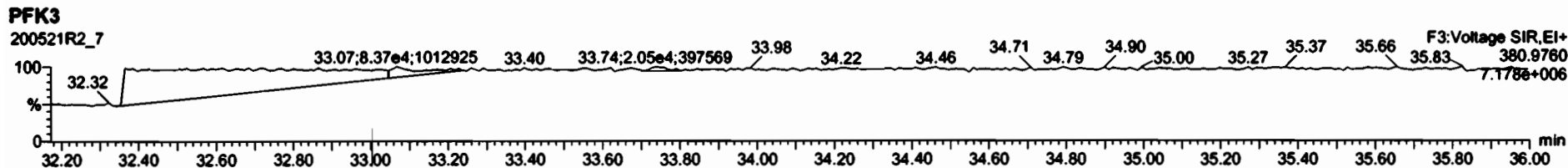
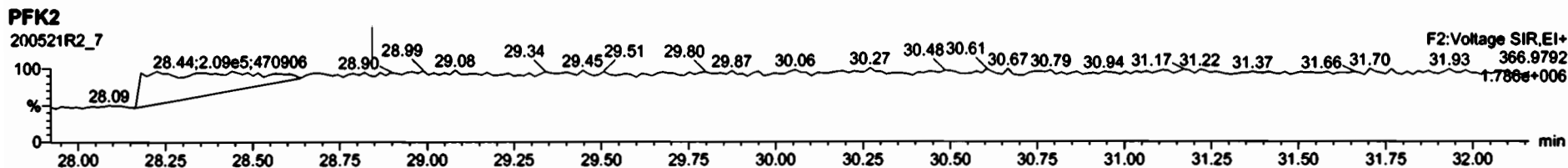
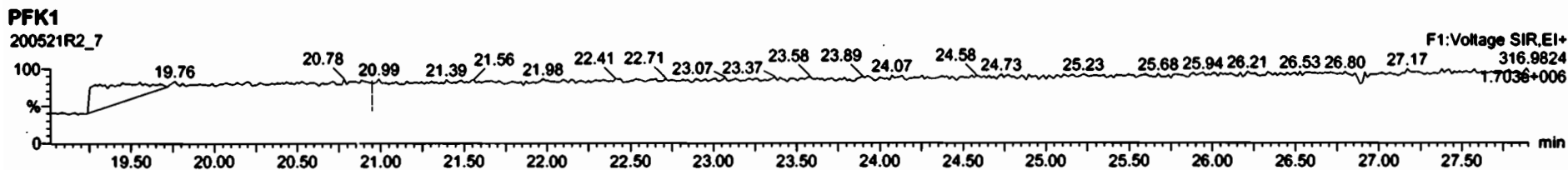
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C1 06/02/2020

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#	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	4.84e3	0.72	NO	0.947	10.014	26.036	26.02	1.001	1.001	1.0215		0.138	1.02
2	2 1,2,3,7,8-PeCDD	8.84e3	0.64	NO	0.942	10.014	31.132	31.13	1.001	1.000	2.5237		0.196	2.52
3	3 1,2,3,4,7,8-HxCDD	8.48e3	1.13	NO	1.06	10.014	34.494	34.51	1.000	1.001	3.1110		0.414	3.11
4	4 1,2,3,6,7,8-HxCDD	7.09e4	1.23	NO	0.915	10.014	34.591	34.60	1.000	1.000	23.817		0.424	23.8
5	5 1,2,3,7,8,9-HxCDD	2.42e4	1.22	NO	0.915	10.014	34.878	34.88	1.000	1.000	9.4552		0.498	9.46
6	6 1,2,3,4,6,7,8-HpCDD	1.09e6	1.02	NO	0.898	10.014	38.373	38.38	1.000	1.001	542.71		1.27	543
7	7 OCDD	9.78e6	0.88	NO	0.933	10.014	41.354	41.36	1.000	1.000	4983.8		1.49	4980
8	8 2,3,7,8-TCDF	1.47e5	0.74	NO	0.787	10.014	25.087	25.09	1.001	1.001	30.732	(28.9)	0.200	30.7
9	9 1,2,3,7,8-PeCDF	1.53e5	1.59	NO	0.910	10.014	29.819	29.81	1.001	1.000	31.035		0.276	31.0
10	10 2,3,4,7,8-PeCDF	7.74e4	1.56	NO	0.966	10.014	30.825	30.82	1.001	1.000	15.227		0.257	15.2
11	11 1,2,3,4,7,8-HxCDF	1.72e5	1.21	NO	0.878	10.014	33.621	33.64	1.000	1.001	59.889		0.308	59.9
12	12 1,2,3,6,7,8-HxCDF	5.46e4	1.20	NO	0.874	10.014	33.759	33.76	1.000	1.000	16.235		0.282	16.2
13	13 2,3,4,6,7,8-HxCDF	2.02e4	1.23	NO	0.922	10.014	34.348	34.33	1.001	1.001	6.4484		0.315	6.45
14	14 1,2,3,7,8,9-HxCDF	1.28e4	1.29	NO	0.864	10.014	35.208	35.26	1.000	1.002	5.3524		0.477	5.35
15	15 1,2,3,4,6,7,8-HpCDF	1.76e5	1.00	NO	0.871	10.014	36.981	36.96	1.001	1.000	85.541		0.591	85.5
16	16 1,2,3,4,7,8,9-HpCDF	1.87e4	0.97	NO	1.01	10.014	38.947	38.96	1.000	1.000	11.202		0.721	11.2
17	17 OCDF	3.40e5	0.86	NO	0.802	10.014	41.535	41.55	1.000	1.000	190.90		0.430	191
18	18 13C-2,3,7,8-TCDD	9.98e5	0.81	NO	1.16	10.014	25.984	26.00	1.026	1.027	181.88	91.1	0.291	
19	19 13C-1,2,3,7,8-PeCDD	7.42e5	0.63	NO	0.847	10.014	31.068	31.11	1.227	1.229	185.16	92.7	0.424	
20	20 13C-1,2,3,4,7,8-HxCDD	5.12e5	1.26	NO	0.750	10.014	34.495	34.48	1.014	1.014	175.19	87.7	0.596	
21	21 13C-1,2,3,6,7,8-HxCDD	6.50e5	1.26	NO	0.963	10.014	34.607	34.59	1.017	1.017	173.34	86.8	0.464	
22	22 13C-1,2,3,7,8,9-HxCDD	5.59e5	1.25	NO	0.838	10.014	34.876	34.87	1.025	1.025	171.29	85.8	0.534	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.47e5	0.99	NO	0.641	10.014	38.366	38.36	1.128	1.128	178.72	89.5	0.439	
24	24 13C-OCDD	8.40e5	0.91	NO	0.586	10.014	41.359	41.35	1.216	1.216	367.59	92.0	0.606	
25	25 13C-2,3,7,8-TCDF	1.21e6	0.77	NO	1.03	10.014	25.045	25.06	0.989	0.990	179.31	89.8	0.471	
26	26 13C-1,2,3,7,8-PeCDF	1.08e6	1.58	NO	0.845	10.014	29.759	29.80	1.176	1.177	196.02	98.1	0.644	
27	27 13C-2,3,4,7,8-PeCDF	1.05e6	1.54	NO	0.814	10.014	30.749	30.81	1.215	1.217	197.80	99.0	0.668	
28	28 13C-1,2,3,4,7,8-HxCDF	6.54e5	0.51	NO	1.00	10.014	33.634	33.62	0.989	0.988	166.95	83.6	0.665	
29	29 13C-1,2,3,6,7,8-HxCDF	7.68e5	0.51	NO	1.14	10.014	33.756	33.75	0.992	0.992	173.53	86.9	0.588	
30	30 13C-2,3,4,6,7,8-HxCDF	6.78e5	0.48	NO	1.02	10.014	34.325	34.31	1.009	1.009	170.14	85.2	0.654	
31	31 13C-1,2,3,7,8,9-HxCDF	5.53e5	0.52	NO	0.845	10.014	35.216	35.21	1.035	1.035	168.04	84.1	0.791	

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-8.qld

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4, ID: 200957-10 PDI-147SC-A-12-13-200425 16.97, Description: PDI-147SC-A-12-13-200425

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	4.71e5	0.43	NO	0.771	10.014	36.947	36.94	1.086	1.086	156.92	78.6	0.606	
33	33 13C-1,2,3,4,7,8,9-HpCDF	3.29e5	0.42	NO	0.482	10.014	38.957	38.95	1.145	1.145	175.17	87.7	0.969	
34	34 13C-OCDF	8.86e5	0.82	NO	0.669	10.014	41.529	41.53	1.221	1.221	340.37	85.2	0.533	
35	35 37Cl-2,3,7,8-TCDD	3.79e5			1.10	10.014	26.015	26.02	1.028	1.028	72.987	91.4	0.0999	
36	36 13C-1,2,3,4-TCDD	9.45e5	0.78	NO	1.00	10.014	25.350	25.32	1.000	1.000	199.72	100	0.338	
37	37 13C-1,2,3,4-TCDF	1.30e6	0.78	NO	1.00	10.014	23.560	23.53	1.000	1.000	199.72	100	0.487	
38	38 13C-1,2,3,4,6,9-HxCDF	7.78e5	0.52	NO	1.00	10.014	34.000	34.01	1.000	1.000	199.72	100	0.668	
39	39 Total Tetra-Dioxins				0.947	10.014	24.620		0.000		10.304		0.138	10.3
40	40 Total Penta-Dioxins				0.942	10.014	29.960		0.000		19.771		0.196	22.6
41	41 Total Hexa-Dioxins				0.915	10.014	33.635		0.000		205.97		0.465	206
42	42 Total Hepta-Dioxins				0.898	10.014	37.640		0.000		1238.9		1.27	1240
43	43 Total Tetra-Furans				0.787	10.014	23.610		0.000		114.82		0.200	115
44	44 1st Func. Penta-Furans				0.910	10.014	27.090		0.000		35.677		0.0592	35.7
45	45 Total Penta-Furans				0.910	10.014	29.275		0.000		97.190		0.275	103
46	46 Total Hexa-Furans				0.922	10.014	33.555		0.000		197.10		0.323	197
47	47 Total Hepta-Furans				0.871	10.014	37.835		0.000		277.32		0.692	277

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Method: Untitled 29 Apr 2020 14:28:02
 Calibration: U:\VG12.PRO\CurveDB\dtb5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200521R2_8, Date: 21-May-2020, Time: 18:28:54, ID: 2000957-10 PDI-147SC-A-12-13-200425 16.97, Description: PDI-147SC-A-12-13-200425

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	21.83	5.345e4	7.202e4	4.936e3	6.276e3	0.79	NO	1.121e4	2.3679	2.3679	0.138
2	Total Tetra-Dioxins	22.25	2.173e4	2.812e4	2.032e3	2.553e3	0.80	NO	4.586e3	0.96852	0.96852	0.138
3	Total Tetra-Dioxins	22.77	9.973e3	1.457e4	1.059e3	1.454e3	0.73	NO	2.512e3	0.53058	0.53058	0.138
4	Total Tetra-Dioxins	23.72	9.220e3	1.451e4	8.539e2	1.158e3	0.74	NO	2.012e3	0.42495	0.42495	0.138
5	Total Tetra-Dioxins	23.97	1.612e4	1.817e4	1.585e3	1.826e3	0.87	NO	3.411e3	0.72031	0.72031	0.138
6	Total Tetra-Dioxins	24.21	2.271e4	4.033e4	2.183e3	2.588e3	0.84	NO	4.771e3	1.0077	1.0077	0.138
7	Total Tetra-Dioxins	24.45	7.829e3	7.721e3	5.773e2	6.605e2	0.87	NO	1.238e3	0.26143	0.26143	0.138
8	Total Tetra-Dioxins	24.72	8.111e3	1.149e4	6.799e2	8.708e2	0.78	NO	1.551e3	0.32751	0.32751	0.138
9	Total Tetra-Dioxins	24.93	8.732e3	1.205e4	6.801e2	8.036e2	0.85	NO	1.484e3	0.31335	0.31335	0.138
10	Total Tetra-Dioxins	25.27	7.018e3	8.830e3	5.760e2	8.238e2	0.70	NO	1.400e3	0.29564	0.29564	0.138
11	Total Tetra-Dioxins	25.75	3.878e4	5.221e4	3.589e3	4.567e3	0.79	NO	8.156e3	1.7226	1.7226	0.138
12	2,3,7,8-TCDD	26.02	2.844e4	3.715e4	2.017e3	2.819e3	0.72	NO	4.837e3	1.0215	1.0215	0.138
13	Total Tetra-Dioxins	26.36	1.328e4	1.185e4	7.011e2	9.196e2	0.76	NO	1.621e3	0.34229	0.34229	0.138

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.87	1.061e5	1.763e5	8.869e3	1.458e4	0.61	NO	2.345e4	6.6924	6.6924	0.196
2	Total Penta-Dioxins	29.34	3.517e4	5.632e4	1.924e3	3.329e3	0.58	NO	5.253e3	1.4994	1.4994	0.196
3	Total Penta-Dioxins	29.86	8.324e4	1.080e5	4.218e3	6.436e3	0.66	NO	1.065e4	3.0409	3.0409	0.196
4	Total Penta-Dioxins	30.03	6.589e4	1.090e5	4.011e3	6.516e3	0.62	NO	1.053e4	3.0046	3.0046	0.196
5	Total Penta-Dioxins	30.13	3.014e4	5.250e4	1.914e3	3.094e3	0.62	NO	5.009e3	1.4296	1.4296	0.196
6	Total Penta-Dioxins	30.35	4.472e4	7.531e4	2.126e3	3.736e3	0.57	NO	0.000e0	0.00000	1.6730	0.196
7	Total Penta-Dioxins	30.36	3.407e4	5.408e4	1.526e3	2.673e3	0.57	NO	0.000e0	0.00000	1.1983	0.196
8	Total Penta-Dioxins	30.68	9.795e3	1.650e4	4.824e2	7.784e2	0.62	NO	1.261e3	0.35986	0.35986	0.196
9	1,2,3,7,8-PeCDD	31.13	5.509e4	1.020e5	3.449e3	5.393e3	0.64	NO	8.842e3	2.5237	2.5237	0.196
10	Total Penta-Dioxins	31.20	2.171e4	2.616e4	8.498e2	1.287e3	0.66	NO	2.137e3	0.60985	0.60985	0.196
11	Total Penta-Dioxins	31.51	1.569e4	2.930e4	8.485e2	1.289e3	0.66	NO	2.138e3	0.61016	0.61016	0.196

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Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.03	1.817e6	1.493e6	9.527e4	7.751e4	1.23	NO	1.728e5	65.776	65.776	0.465
2	Total Hexa-Dioxins	33.58	1.775e5	1.380e5	9.104e3	7.208e3	1.26	NO	1.631e4	6.2102	6.2102	0.465
3	Total Hexa-Dioxins	33.83	1.926e6	1.566e6	1.275e5	1.041e5	1.22	NO	2.317e5	88.196	88.196	0.465
4	Total Hexa-Dioxins	33.90	1.485e5	1.243e5	1.073e4	8.199e3	1.31	NO	1.893e4	7.2061	7.2061	0.465
5	1,2,3,4,7,8-HxCDD	34.51	8.073e4	7.796e4	4.498e3	3.985e3	1.13	NO	8.483e3	3.111C	3.111C	0.414
6	1,2,3,6,7,8-HxCDD	34.60	6.503e5	5.265e5	3.907e4	3.185e4	1.23	NO	7.092e4	23.817	23.817	0.424
7	Total Hexa-Dioxins	34.78	6.104e4	5.072e4	3.012e3	2.754e3	1.09	NO	5.765e3	2.1949	2.1949	0.465
8	1,2,3,7,8,9-HxCDD	34.88	2.109e5	1.746e5	1.329e4	1.092e4	1.22	NO	2.421e4	9.4552	9.4552	0.498

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.34	9.095e6	9.042e6	7.082e5	6.896e5	1.03	NO	1.398e6	696.21	696.21	1.27
2	1,2,3,4,6,7,8-HpCDD	38.38	7.040e6	6.864e6	5.500e5	5.397e5	1.02	NO	1.090e6	542.71	542.71	1.27

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Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	19.78	1.780e4	2.690e4	1.593e3	2.035e3	0.78	NO	3.628e3	0.76022	0.76022	0.200
2	Total Tetra-Furans	20.27	3.961e4	5.169e4	3.184e3	4.594e3	0.69	NO	7.778e3	1.6299	1.6299	0.200
3	Total Tetra-Furans	20.87	1.827e5	2.631e5	1.658e4	2.209e4	0.75	NO	3.866e4	8.1021	8.1021	0.200
4	Total Tetra-Furans	21.33	2.174e4	3.312e4	1.710e3	2.294e3	0.75	NO	4.004e3	0.83898	0.83898	0.200
5	Total Tetra-Furans	21.42	4.975e4	6.448e4	5.929e3	7.571e3	0.78	NO	1.350e4	2.8290	2.8290	0.200
6	Total Tetra-Furans	21.80	1.985e5	2.856e5	2.082e4	2.769e4	0.75	NO	4.852e4	10.167	10.167	0.200
7	Total Tetra-Furans	22.28	9.105e4	1.315e5	8.543e3	1.200e4	0.71	NO	2.054e4	4.3040	4.3040	0.200
8	Total Tetra-Furans	22.43	2.852e4	4.207e4	2.606e3	3.406e3	0.77	NO	6.013e3	1.2600	1.2600	0.200
9	Total Tetra-Furans	22.64	4.692e4	7.536e4	4.939e3	7.059e3	0.70	NO	1.200e4	2.5141	2.5141	0.200
10	Total Tetra-Furans	23.07	8.963e3	1.058e4	8.190e2	9.924e2	0.83	NO	1.811e3	0.37958	0.37958	0.200
11	Total Tetra-Furans	23.25	1.861e4	2.394e4	1.902e3	2.388e3	0.80	NO	4.289e3	0.89882	0.89882	0.200
12	Total Tetra-Furans	23.44	7.670e4	1.025e5	5.356e3	7.447e3	0.72	NO	1.280e4	2.6829	2.6829	0.200
13	Total Tetra-Furans	23.53	1.207e5	1.729e5	1.390e4	1.886e4	0.74	NO	3.276e4	6.8657	6.8657	0.200
14	Total Tetra-Furans	24.09	6.415e5	8.382e5	5.428e4	7.302e4	0.74	NO	1.273e5	26.678	26.678	0.200
15	Total Tetra-Furans	24.40	3.398e4	4.365e4	2.951e3	3.985e3	0.74	NO	6.936e3	1.4535	1.4535	0.200
16	Total Tetra-Furans	24.63	1.435e4	1.953e4	1.246e3	1.508e3	0.83	NO	2.754e3	0.57717	0.57717	0.200
17	Total Tetra-Furans	24.85	1.450e4	1.655e4	1.017e3	1.204e3	0.84	NO	2.221e3	0.46541	0.46541	0.200
18	Total Tetra-Furans	24.97	1.217e5	1.604e5	7.560e3	1.053e4	0.72	NO	1.809e4	3.7911	3.7911	0.200
19	2,3,7,8-TCDF	25.09	7.940e5	1.064e6	6.253e4	8.413e4	0.74	NO	1.467e5	30.732	30.732	0.200
20	Total Tetra-Furans	25.48	7.435e4	1.018e5	5.924e3	8.154e3	0.73	NO	1.408e4	2.9501	2.9501	0.200
21	Total Tetra-Furans	25.74	1.218e4	1.922e4	9.524e2	1.348e3	0.71	NO	2.301e3	0.48216	0.48216	0.200
22	Total Tetra-Furans	26.74	8.893e3	9.913e3	5.704e2	6.646e2	0.86	NO	1.235e3	0.25880	0.25880	0.200
23	Total Tetra-Furans	26.89	1.051e4	1.052e4	5.813e2	6.879e2	0.85	NO	1.269e3	0.26597	0.26597	0.200
24	Total Tetra-Furans	27.17	1.231e5	1.513e5	8.183e3	1.058e4	0.77	NO	1.876e4	3.9314	3.9314	0.200

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	27.16	1.583e6	1.005e6	1.076e5	6.580e4	1.63	NO	1.734e5	35.677	35.677	0.0592

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Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.65	9.369e4	6.484e4	6.050e3	3.891e3	1.55	NO	9.940e3	2.0456	2.0456	0.275
2	Total Penta-Furans	28.81	1.053e6	7.163e5	7.144e4	4.664e4	1.53	NO	1.181e5	24.300	24.300	0.275
3	Total Penta-Furans	28.87	1.020e5	8.024e4	4.510e3	2.939e3	1.53	NO	7.449e3	1.5329	1.5329	0.275
4	Total Penta-Furans	29.42	2.287e5	1.504e5	1.451e4	8.755e3	1.66	NO	0.000e0	0.00000	4.7879	0.275
5	Total Penta-Furans	29.45	7.623e4	4.988e4	2.750e3	2.043e3	1.35	NO	0.000e0	0.00000	0.98641	0.275
6	Total Penta-Furans	29.63	1.903e5	1.250e5	1.088e4	6.941e3	1.57	NO	1.782e4	3.6668	3.6668	0.275
7	1,2,3,7,8-PeCDF	29.81	1.657e6	1.085e6	9.398e4	5.896e4	1.59	NO	1.529e5	31.035	31.035	0.276
8	Total Penta-Furans	29.89	6.963e4	4.306e4	2.988e3	2.102e3	1.42	NO	5.090e3	1.0475	1.0475	0.275
9	Total Penta-Furans	30.09	6.154e5	3.669e5	3.508e4	2.349e4	1.49	NO	5.857e4	12.054	12.054	0.275
10	Total Penta-Furans	30.70	3.900e4	2.608e4	2.093e3	1.559e3	1.34	NO	3.652e3	0.75154	0.75154	0.275
11	2,3,4,7,8-PeCDF	30.82	8.645e5	5.502e5	4.721e4	3.024e4	1.56	NO	7.745e4	15.227	15.227	0.257
12	Total Penta-Furans	30.85	5.778e5	3.560e5	1.337e4	8.542e3	1.57	NO	2.191e4	4.5092	4.5092	0.275
13	Total Penta-Furans	31.77	4.408e4	3.548e4	2.881e3	2.077e3	1.39	NO	4.958e3	1.0203	1.0203	0.275

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.46	4.927e5	3.817e5	2.345e4	1.916e4	1.22	NO	4.261e4	13.923	13.923	0.323
2	Total Hexa-Furans	32.63	1.380e6	1.107e6	6.586e4	5.404e4	1.22	NO	1.199e5	39.178	39.178	0.323
3	Total Hexa-Furans	32.98	2.282e4	2.217e4	1.302e3	1.158e3	1.12	NO	2.460e3	0.80373	0.80373	0.323
4	Total Hexa-Furans	33.19	1.780e6	1.450e6	8.943e4	7.359e4	1.22	NO	1.630e5	53.266	53.266	0.323
5	Total Hexa-Furans	33.54	3.632e4	2.754e4	1.438e3	1.133e3	1.27	NO	2.571e3	0.84013	0.84013	0.323
6	1,2,3,4,7,8-HxCDF	33.64	1.832e6	1.481e6	9.410e4	7.801e4	1.21	NO	1.721e5	59.889	59.889	0.308
7	1,2,3,6,7,8-HxCDF	33.76	5.313e5	4.286e5	2.979e4	2.481e4	1.20	NO	5.459e4	16.235	16.235	0.282
8	2,3,4,6,7,8-HxCDF	34.33	1.911e5	1.645e5	1.112e4	9.048e3	1.23	NO	2.017e4	6.4484	6.4484	0.315
9	1,2,3,7,8,9-HxCDF	35.26	1.408e5	1.076e5	7.215e3	5.592e3	1.29	NO	1.281e4	5.3524	5.3524	0.477
10	Total Hexa-Furans	35.28	1.047e5	7.121e4	2.004e3	1.545e3	1.30	NO	3.549e3	1.1595	1.1595	0.323

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34-ID: 200521R2-8, Date: 14 May 2020, Time: 10:22:54, ID: 200957, ID: PDI-147SG-A-12-13-200425-16-97, Description: PDI-147SG-A-12-13-200425-16-97, Date: 14 May 2020, Name:

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	36.96	1.219e6	1.164e6	8.800e4	8.791e4	1.00	NO	1.759e5	85.541	85.541	0.591
2	Total Hepta-Furans	37.35	1.855e4	2.051e4	1.431e3	1.378e3	1.04	NO	2.809e3	1.6089	1.6089	0.692
3	Total Hepta-Furans	37.55	1.986e6	1.987e6	1.554e5	1.570e5	0.99	NO	3.125e5	178.97	178.97	0.692
4	1.2.3.4.7.8.9-HpCDF	38.96	1.337e5	1.372e5	9.182e3	9.490e3	0.97	NO	1.867e4	11.202	11.202	0.721

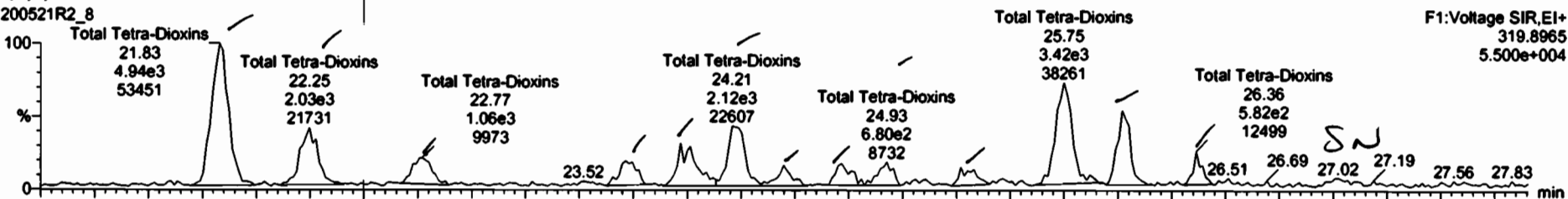
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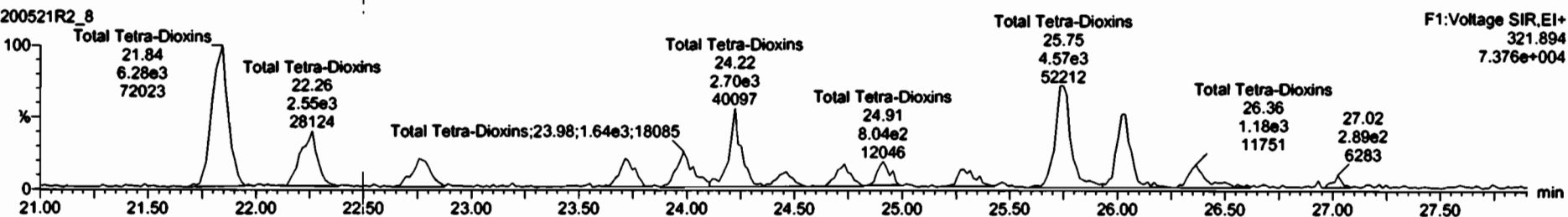
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2,3,7,8-TCDD

200521R2_8

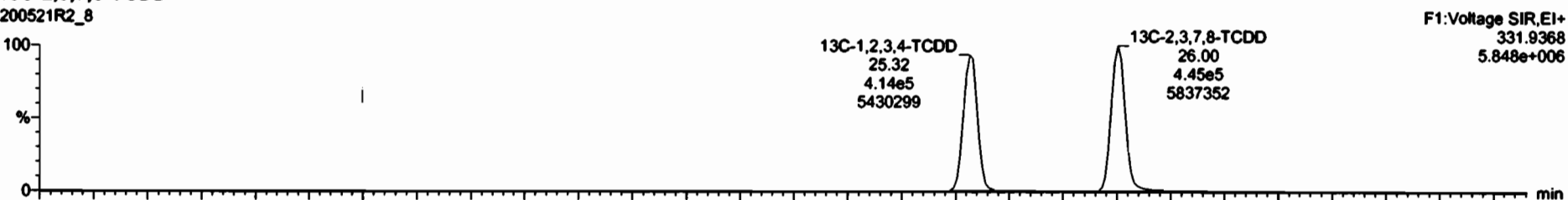


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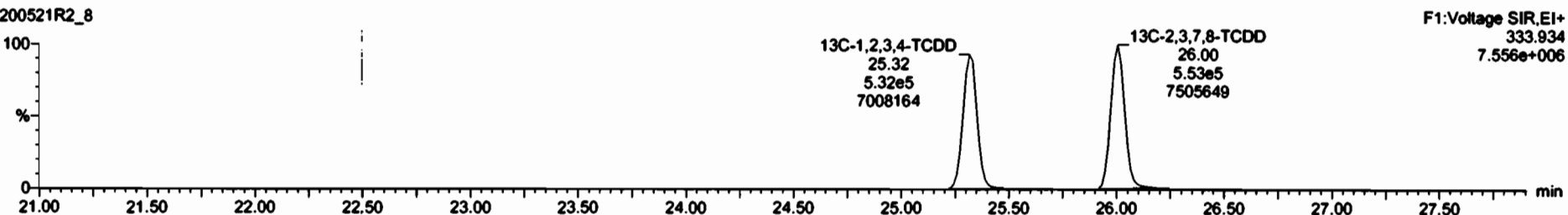


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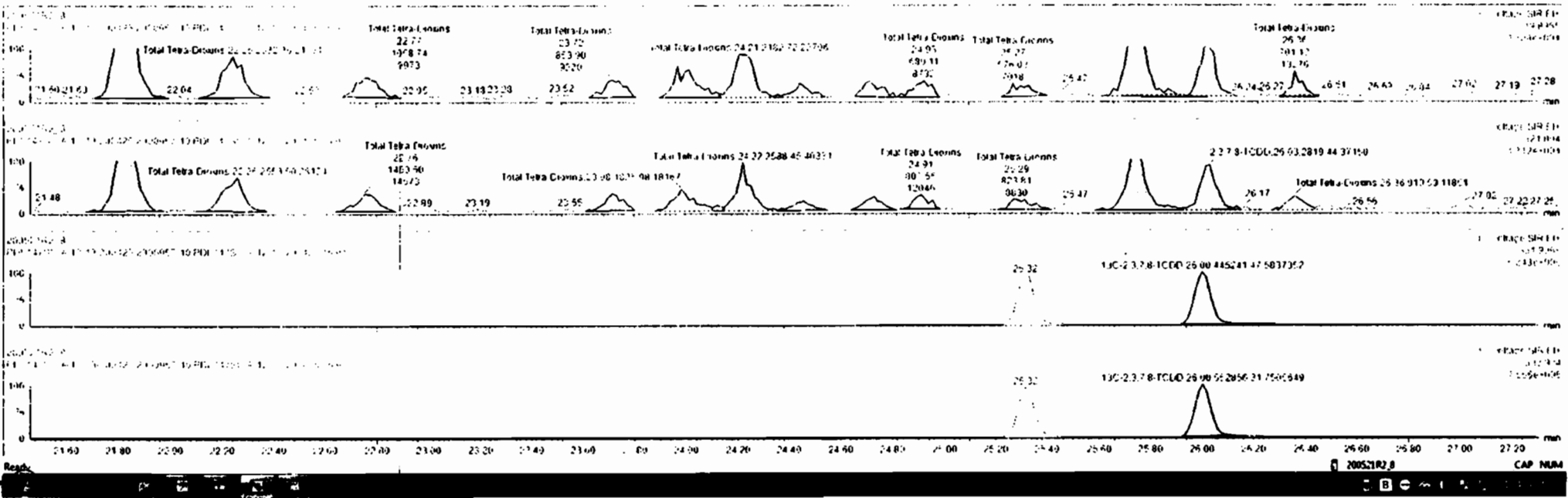


200521R2_8



#	Name	Resp	RA	RY	RR	RRR	RT	RRT	Comp	%Rec	DL	EMPC
39	Total Tetra-Chlorins				0.9475	10.816				98.3	8.130	18.3
40	Total Tetra-Chlorins								27.2		0.195	27.2

#	Name	RT	ori Resp	inj Resp	RA	RY	EMPC	Comp
1	Total Tetra-Chlorins	21.87	4.856e3	4.772e3	0.973	97.3	2.3E29	2.3E29
2	Total Tetra-Chlorins	22.05	2.022e7	2.110e7	99.4	99.4	0.39522	0.36852
3	Total Tetra-Chlorins	22.77	1.059e7	1.474e7	97.0	97.0	0.13058	0.53058
4	Total Tetra-Chlorins	23.72	8.555e2	1.156e3	90.0	90.0	0.42195	0.42495
5	Total Tetra-Chlorins	23.97	1.777e7	1.625e7	91.5	91.5	0.72071	0.72051
6	Total Tetra-Chlorins	24.21	2.182e7	1.658e7	76.0	76.0	1.00277	1.00277
7	Total Tetra-Chlorins	24.45	5.773e2	8.191e2	91.7	91.7	0.76147	0.26143
8	Total Tetra-Chlorins	24.72	8.196e2	2.705e2	67.4	67.4	0.32771	0.32751
9	Total Tetra-Chlorins	24.93	8.201e2	8.075e2	98.5	98.5	0.31327	0.31332
10	Total Tetra-Chlorins	25.27	5.760e2	8.233e2	91.0	91.0	0.29504	0.29564
11	Total Tetra-Chlorins	25.75	7.529e3	4.442e3	59.0	59.0	1.7226	1.7226
12	2,3,7,8-TCDD	26.02	2.017e2	2.110e2	97.0	97.0	1.0217	1.0215
13	Total Tetra-Chlorins	26.26	7.011e2	8.195e2	87.5	87.5	0.74225	0.74226

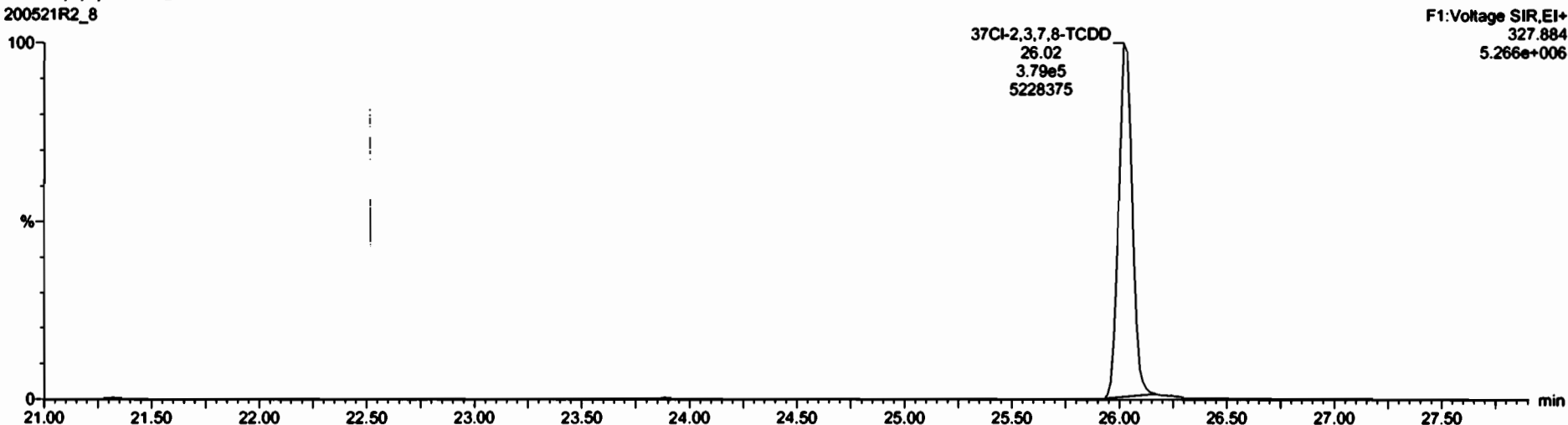


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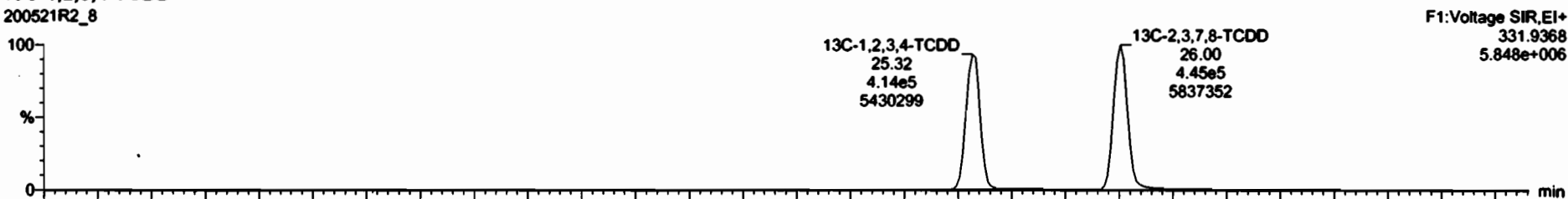
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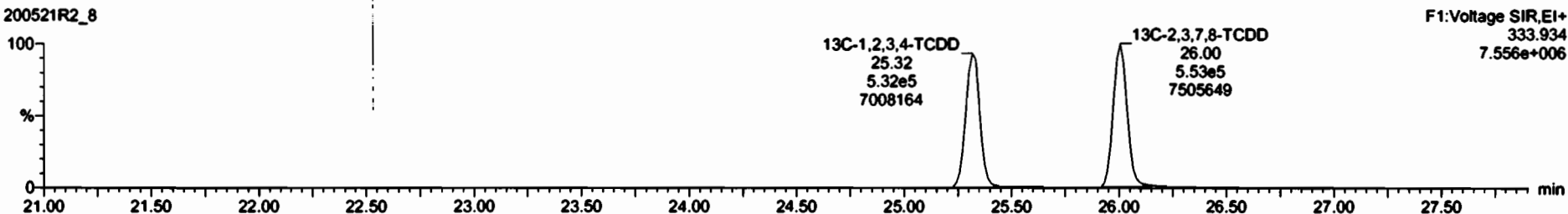
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13C-1,2,3,4-TCDD
200521R2_8



200521R2_8



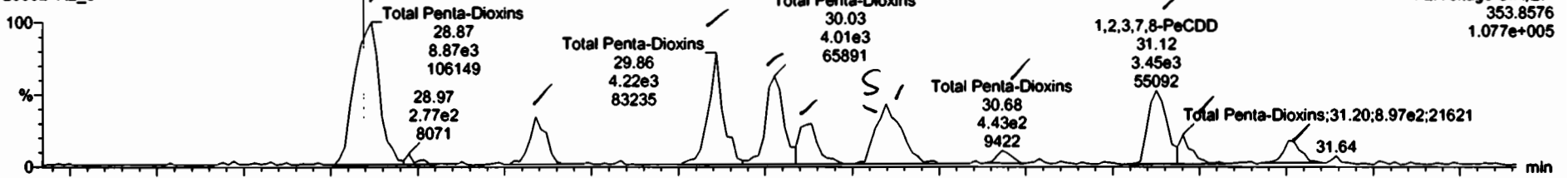
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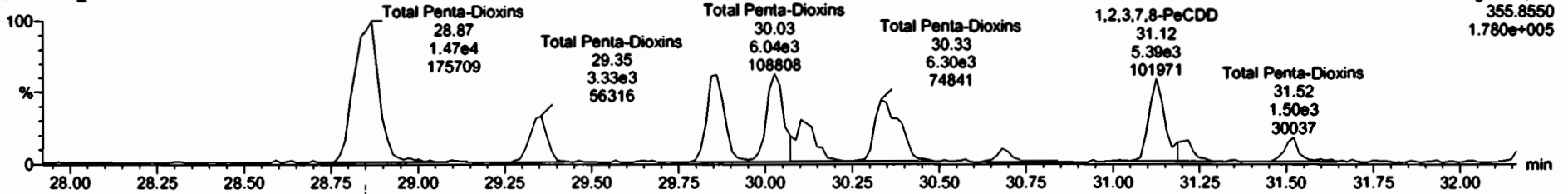
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1,2,3,7,8-PeCDD

200521R2_8

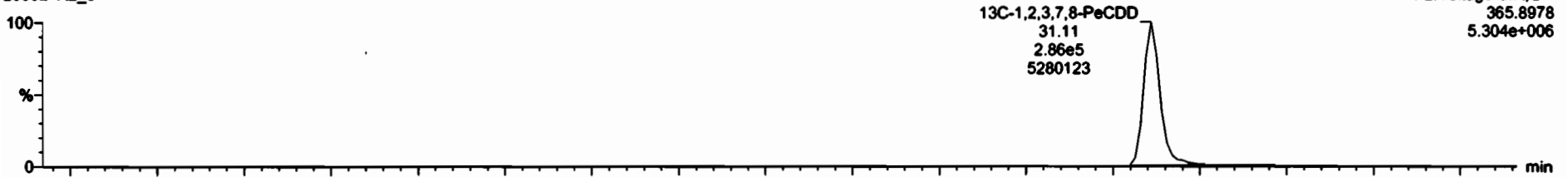


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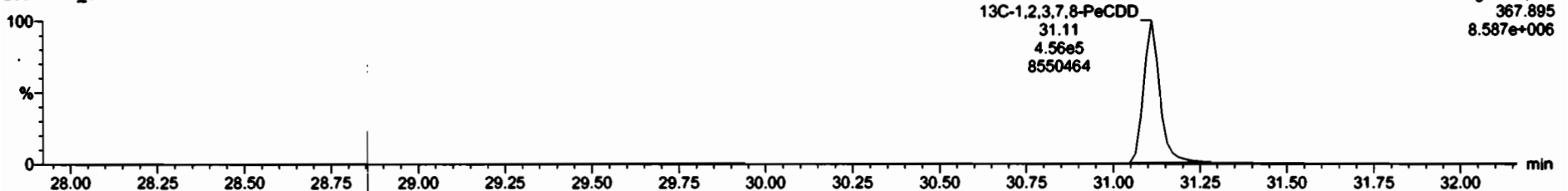


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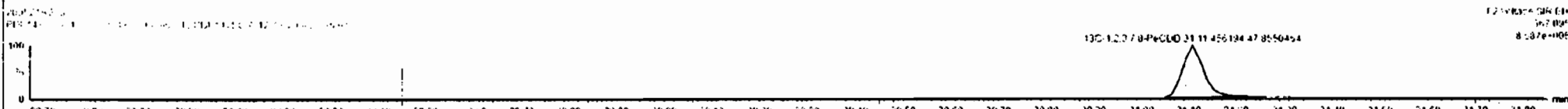
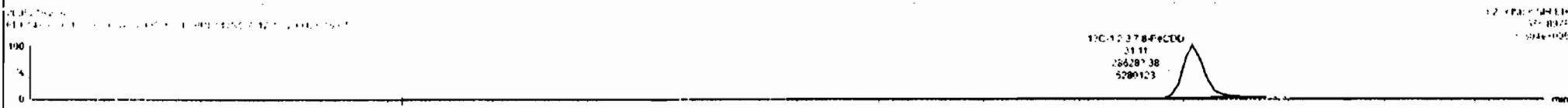
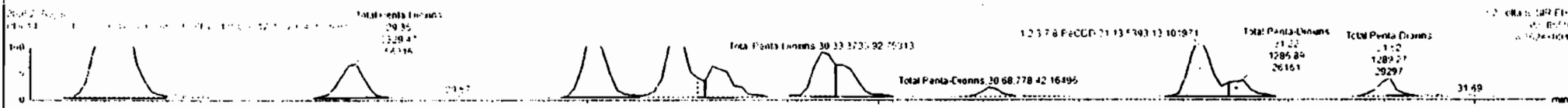
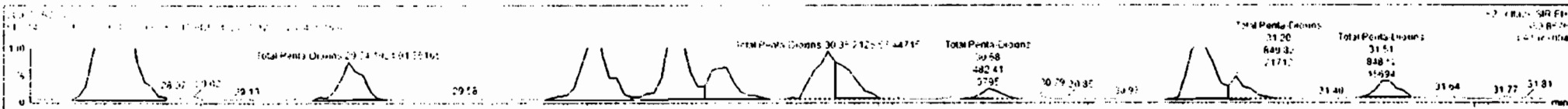


200521R2_8



Name	Resp	RA	ny	RRF	wtVol	RT	RRT	Conc	%Rec	DR	EMPC
39 Total Para-Dicums				0.9425	10.014			0	0.126	10.3	
40 Total Para-Dicums				0.9425	10.014			10.8	8.188	22.8	

Name	RT	wt Resp	m2 Resp	RA	ny	EMPC	Conc
1 Total Para-Dicums	18.77	1.856e3	1.458e4	0.61	MG	1.495e	1.495e
2 Total Para-Dicums	19.74	1.529e3	1.19e3	0.76	MG	1.495e	1.495e
3 Total Para-Dicums	19.95	4.218e3	6.43e3	0.66	MG	1.495e	1.495e
4 Total Para-Dicums	19.97	4.511e3	6.516e3	0.62	MG	1.495e	1.495e
5 Total Para-Dicums	19.13	1.511e3	1.94e3	0.72	MG	1.495e	1.495e
6 Total Para-Dicums	19.71	1.121e3	1.755e3	0.67	MG	1.495e	1.495e
7 Total Para-Dicums	19.38	1.156e3	1.673e3	0.77	MG	1.495e	0.000e
8 Total Para-Dicums	19.58	1.544e3	1.726e3	0.62	MG	0.1495e	0.1495e
9 1,2,3,8-PeCDD	11.13	1.446e3	4.393e3	0.64	MG	1.495e	1.495e
10 Total Para-Dicums	11.02	1.350e3	1.787e3	0.67	MG	0.1495e	0.1495e
11 Total Para-Dicums	11.51	8.421e2	1.752e3	0.66	MG	0.1495e	0.1495e



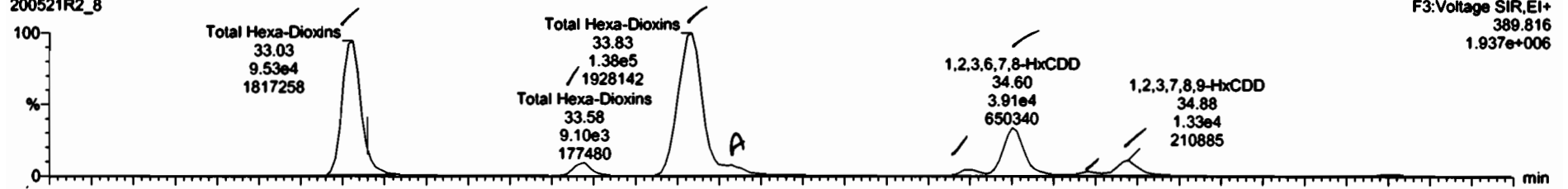
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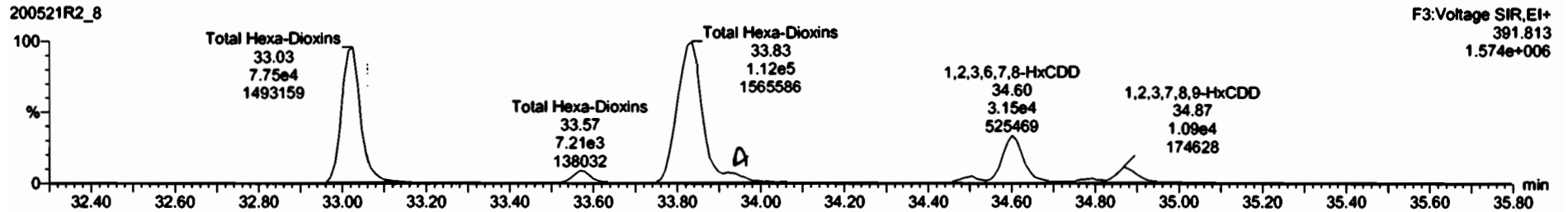
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1,2,3,4,7,8-HxCDD

200521R2_8

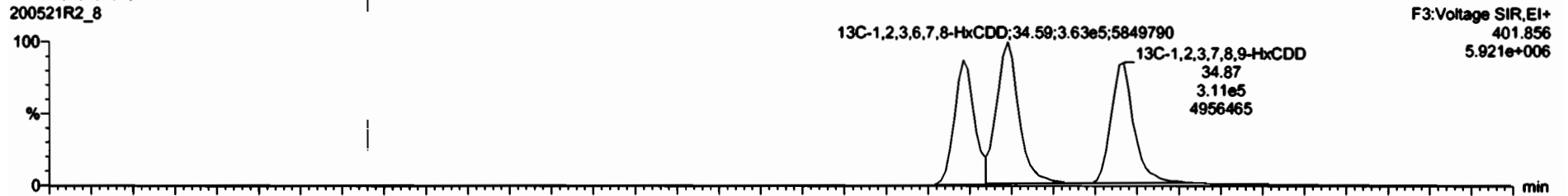


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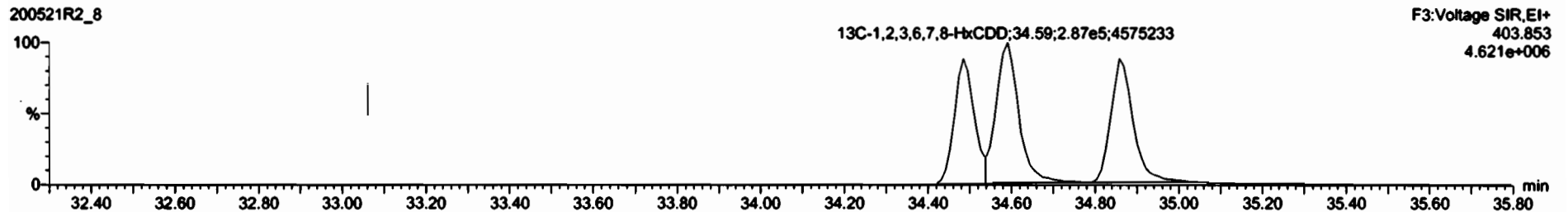


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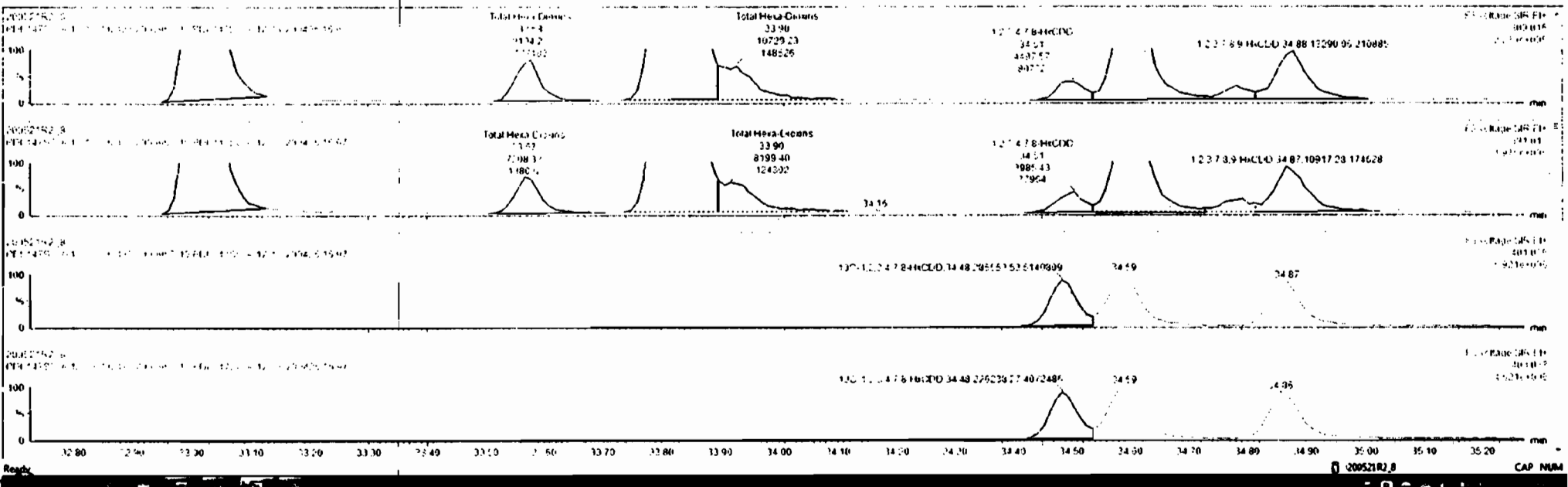
200521R2_8





Name	Resp	RA	Qty	GRF	WVol	RT	RRT	Conc	%Rec	DI	EMPC
30 Total Hexa-Chloris				0.9475	10.014			0.170	6.3		
40 Total Hepta-Chloris				0.9425	10.014			0.126	27.8		

Name	RT	wt Resp	wt Resp	RA	Qty	EMPC	Conc
1 Total Hexa-Chloris	13.00	0.1724	0.1196	1.22	NO	45.776	41.778
2 Total Hepta-Chloris	13.50	0.1044	0.0663	1.28	NO	4.210	4.2102
3 Total Hexa-Chloris	13.83	0.2764	0.1814	1.22	NO	28.166	26.136
4 Total Hepta-Chloris	13.90	0.2744	0.1893	1.37	NO	1.2061	1.2061
5 1,2,3,4,7,8-HexClD	14.51	0.4864	0.3053	1.17	NO	0.116	0.110
6 1,2,3,6,7,8-HexClD	14.60	0.5074	0.3244	1.22	NO	23.817	22.817
7 Total Hexa-Chloris	14.73	0.3124	0.2042	1.05	NO	2.1949	2.1945
8 1,2,3,7,8,9-HexClD	14.98	0.2594	0.1664	1.22	NO	5.4552	9.4552



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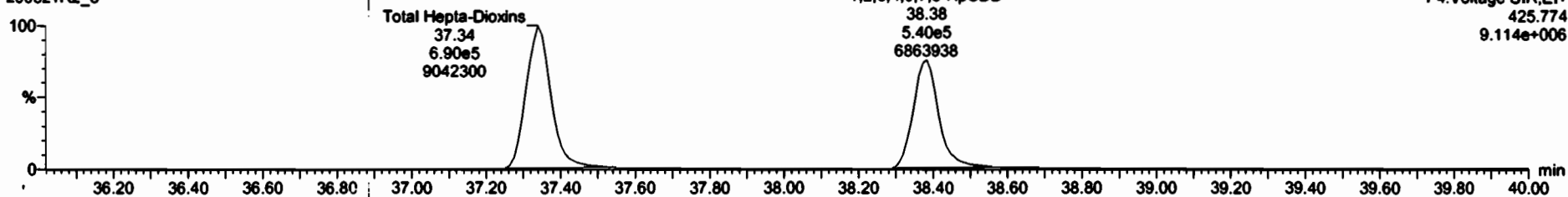
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1,2,3,4,6,7,8-HpCDD

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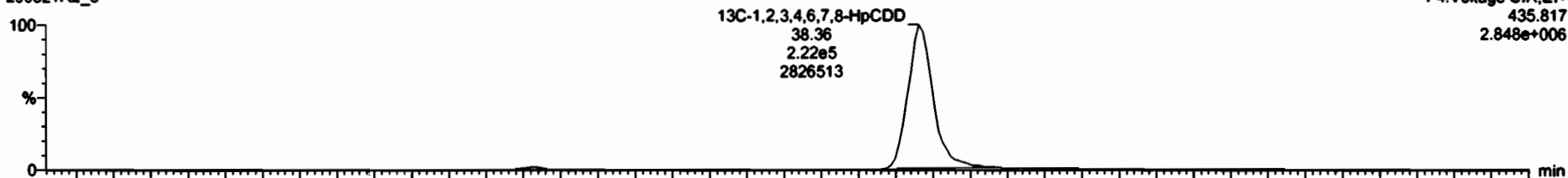


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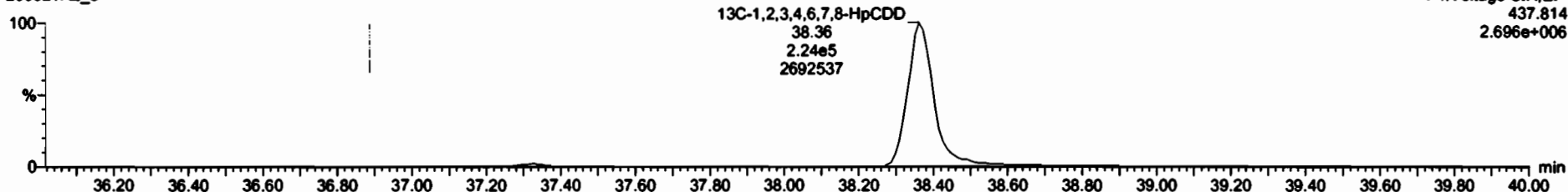


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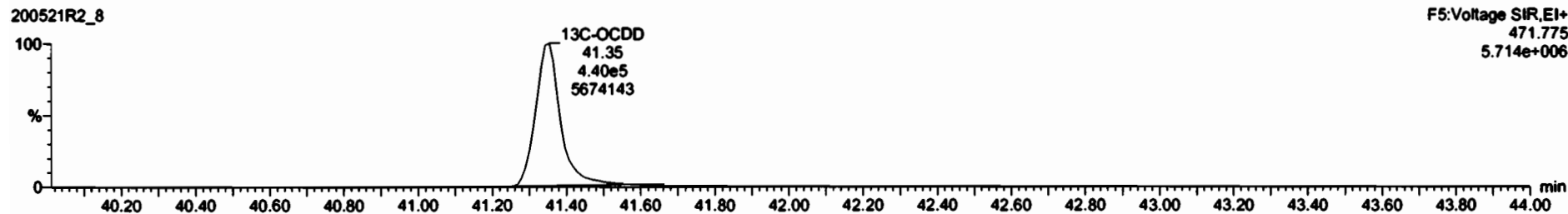
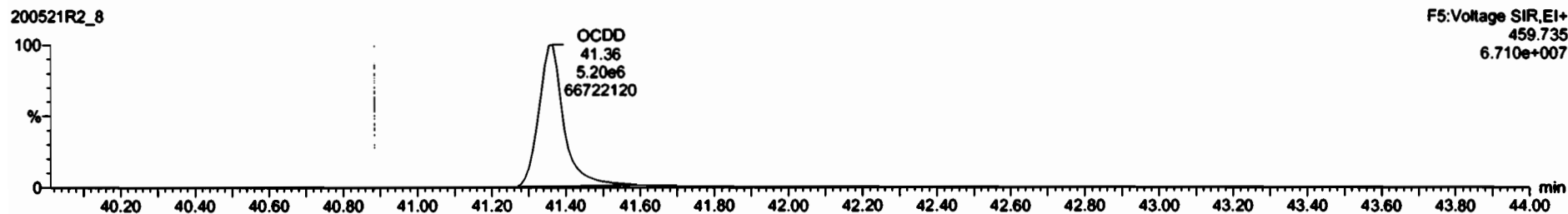
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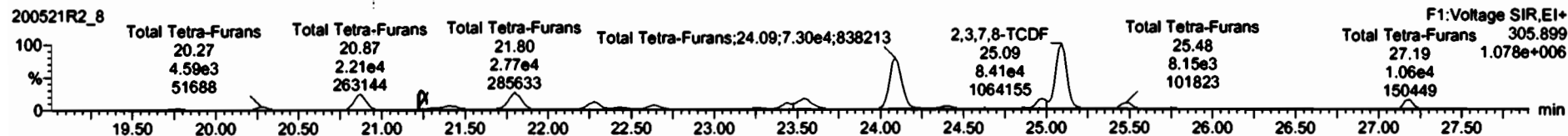
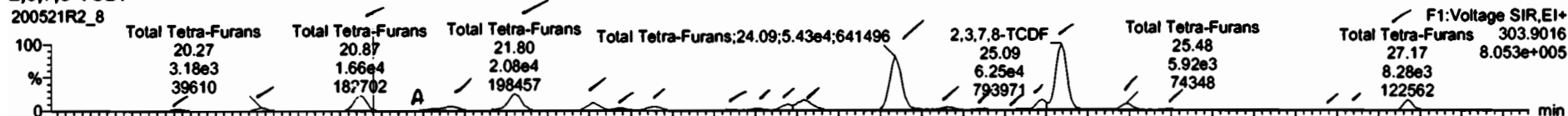


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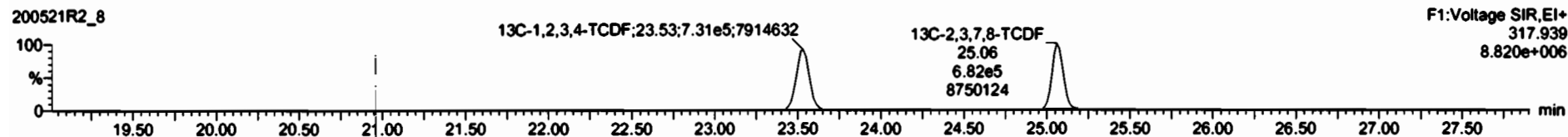
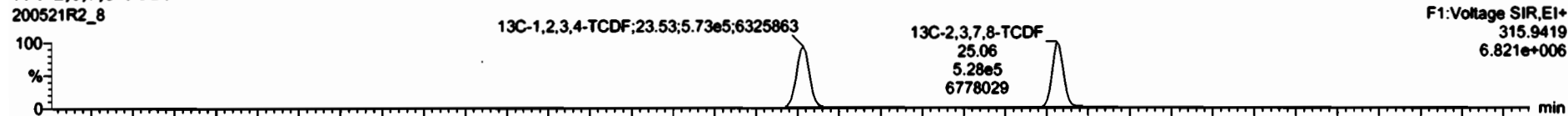
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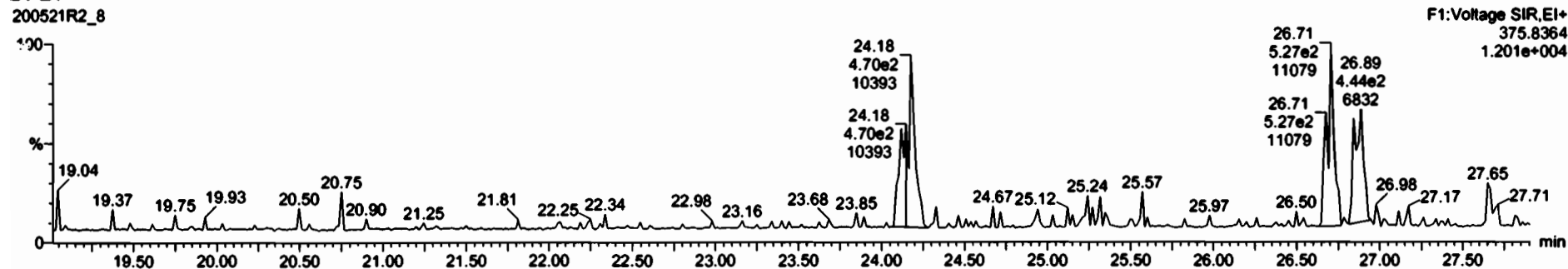
2,3,7,8-TCDF



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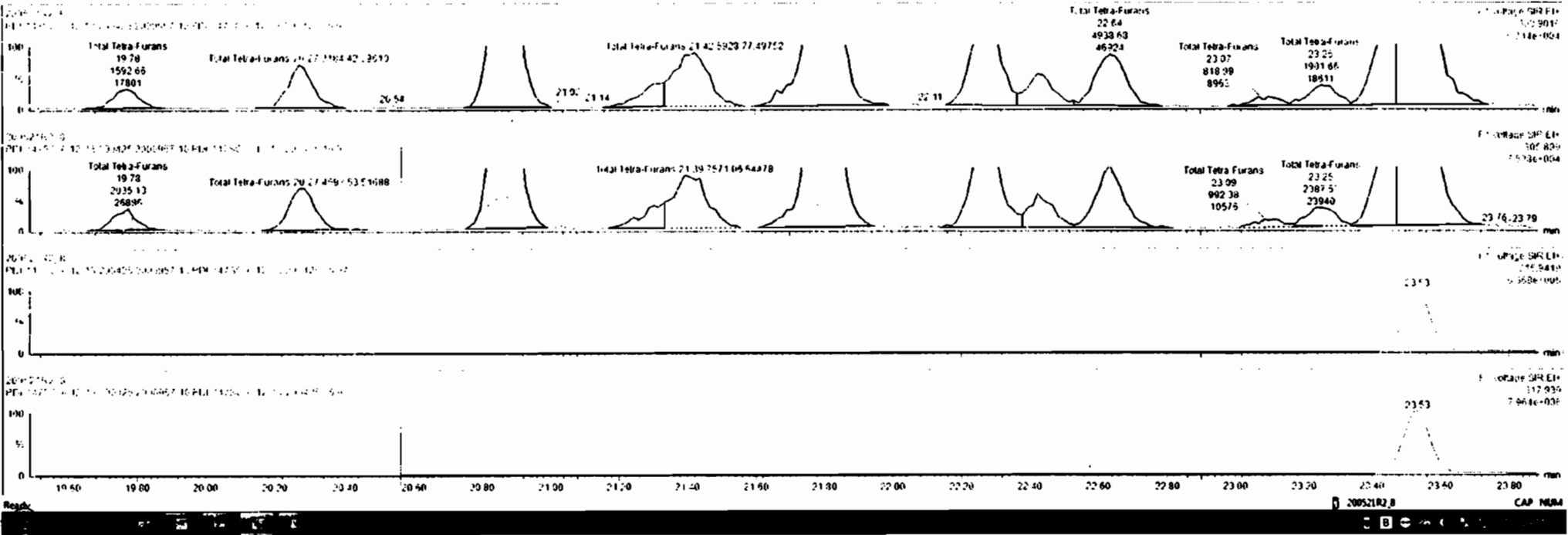


DPE1



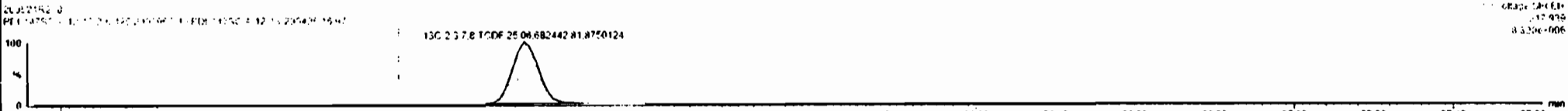
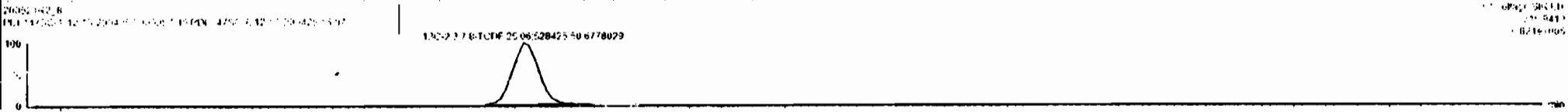
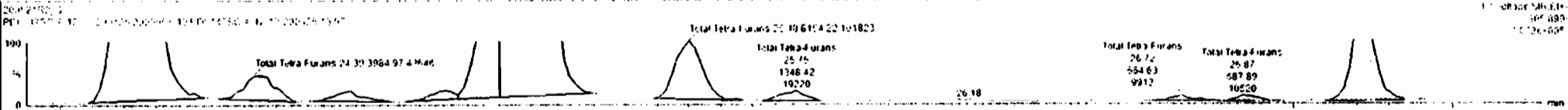
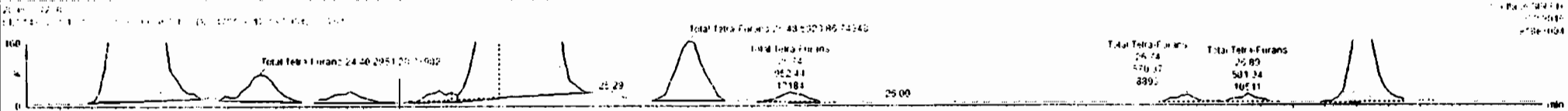
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Total Tetra-Furans				0.857%	10.018			1240		1.27	1.40
Total Tetra-Furans				0.7871%	10.094			119		0.200	115

Name	RT	Art Resp	Int Resp	RA	Qty	EMPC	Conc
Total Tetra-Furans	19.78	1.15e3	2.07e3	0.77	NO	0.78025	0.78025
Total Tetra-Furans	20.27	3.10e3	4.19e3	0.73	NO	1.4255	1.4255
Total Tetra-Furans	20.67	1.01e3	1.04e3	0.77	NO	0.1021	0.1021
Total Tetra-Furans	21.33	1.71e3	1.25e3	0.75	NO	0.2356	0.2356
Total Tetra-Furans	21.42	5.92e3	7.77e3	0.76	NO	1.2790	1.2790
Total Tetra-Furans	21.80	2.05e3	2.70e3	0.75	NO	1.0467	1.0467
Total Tetra-Furans	22.28	8.54e3	1.20e4	0.71	NO	4.3040	4.3040
Total Tetra-Furans	22.43	2.40e3	1.40e3	0.71	NO	1.2000	1.2000
Total Tetra-Furans	22.64	4.53e3	7.05e3	0.70	NO	2.5141	2.5141
Total Tetra-Furans	23.07	8.15e3	9.32e3	0.87	NO	0.7705	0.7705
Total Tetra-Furans	23.15	1.90e3	1.70e3	0.90	NO	0.2902	0.2902
Total Tetra-Furans	23.44	5.35e3	1.44e4	0.72	NO	2.6629	2.6629
Total Tetra-Furans	23.53	1.25e3	1.38e3	0.74	NO	0.3851	0.3851



Name	Resp	RA	ny	RRF	wvol	RT	RRT	Conc	%Rec	DL	EMPC
12 Total Hepta-Furans				0.8575	13.014			1.40		1.7	1.40
43 Total Tetra-Furans				0.7871	18.914			115		0.209	119

Name	RT	art Resp	MG Resp	RA	ny	EMPC	Conc
12 Total Tetra-Furans	23.42	1.356e3	7.447e3	0.72	NO	2.6829	2.6229
13 Total Tetra-Furans	23.53	1.330e4	1.506e4	0.74	NO	4.2617	4.9817
14 Total Tetra-Furans	24.05	1.416e4	7.301e4	0.74	NO	6.4728	6.674
15 Total Tetra-Furans	24.40	2.951e3	3.905e3	0.74	NO	1.4555	1.8535
16 Total Tetra-Furans	24.63	1.246e3	1.586e3	0.81	NO	4.7717	4.7717
17 Total Tetra-Furans	24.65	1.017e3	1.204e3	0.64	NO	0.46141	0.46541
18 Total Tetra-Furans	24.97	1.460e3	1.052e4	0.72	NO	2.7511	2.7511
23 7-TDF	25.08	6.053e4	8.413e4	0.74	NO	30.732	10.732
20 Total Tetra-Furans	25.48	5.524e3	8.154e3	0.75	NO	2.9029	1.9501
21 Total Tetra-Furans	25.74	5.021e2	1.248e3	0.71	NO	0.46216	0.48216
22 Total Tetra-Furans	26.74	5.704e2	8.446e2	0.86	NO	0.21640	0.2386
23 Total Tetra-Furans	26.26	5.812e2	5.879e2	0.65	NO	0.26591	0.26591
24 Total Tetra-Furans	27.11	0.152e3	1.056e4	0.77	NO	1.9114	1.214



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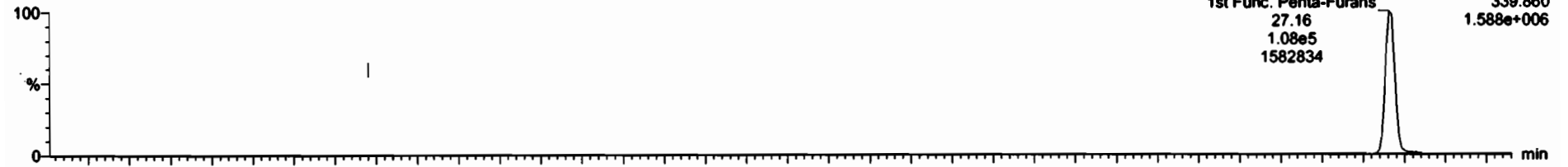
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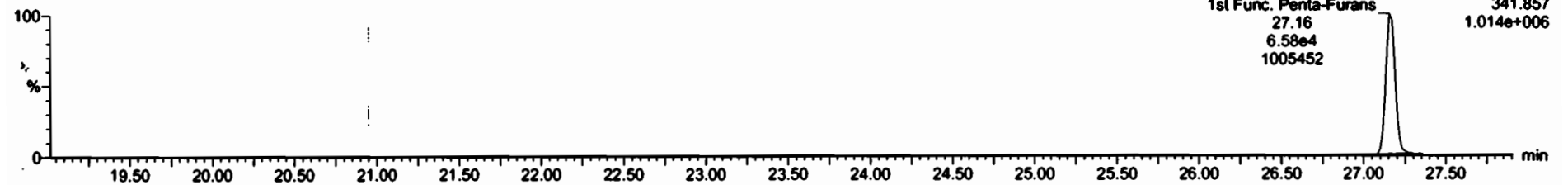
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1st Func. Penta-Furans

200521R2_8

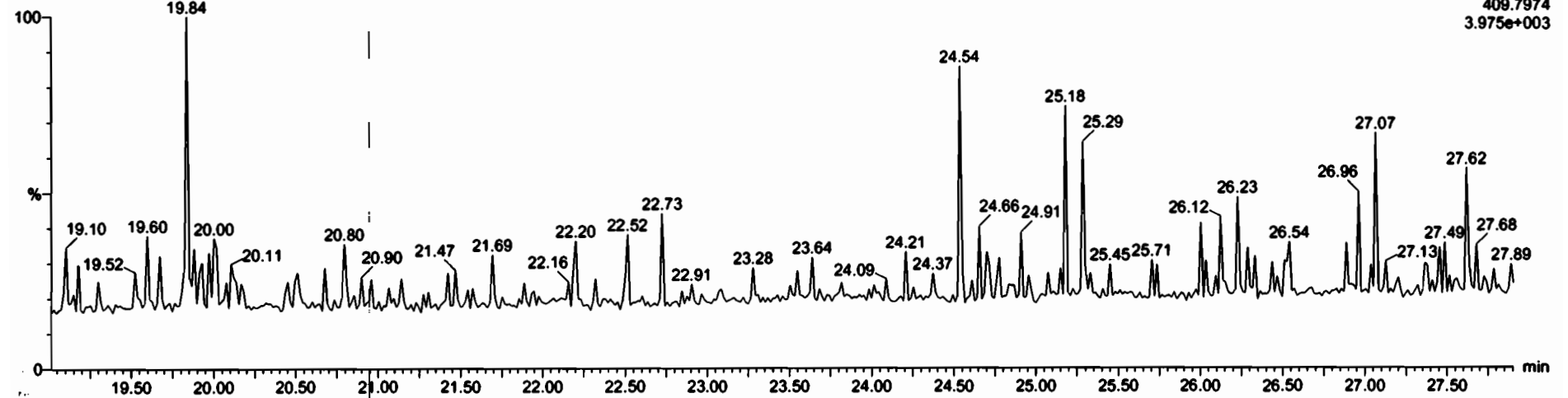


200521R2_8



DPE6

200521R2_8



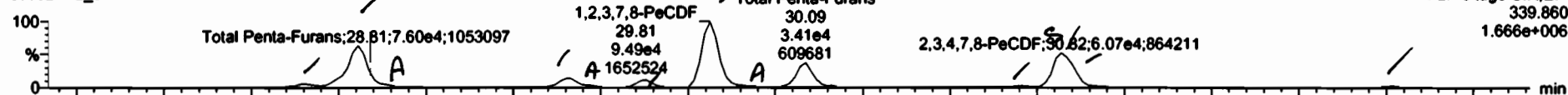
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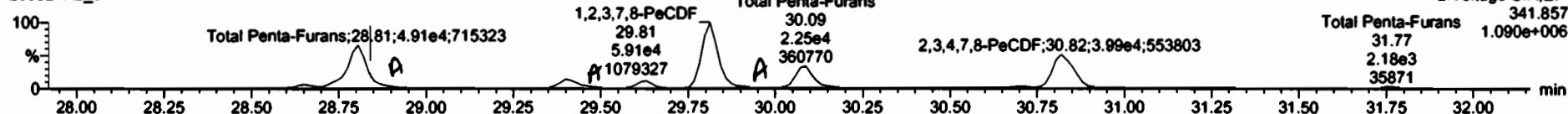
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1,2,3,7,8-PeCDF

200521R2_8

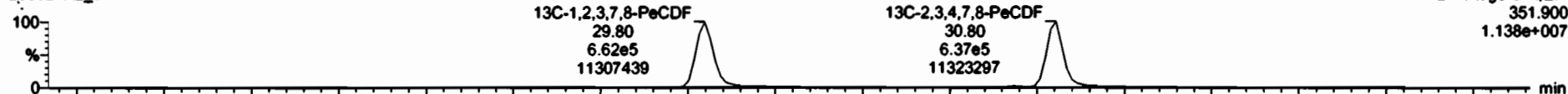


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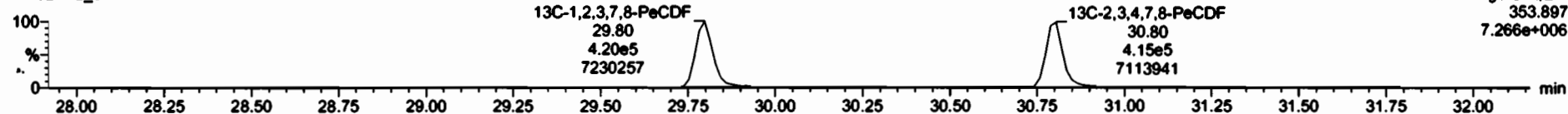


13C-1,2,3,7,8-PeCDF

200521R2_8

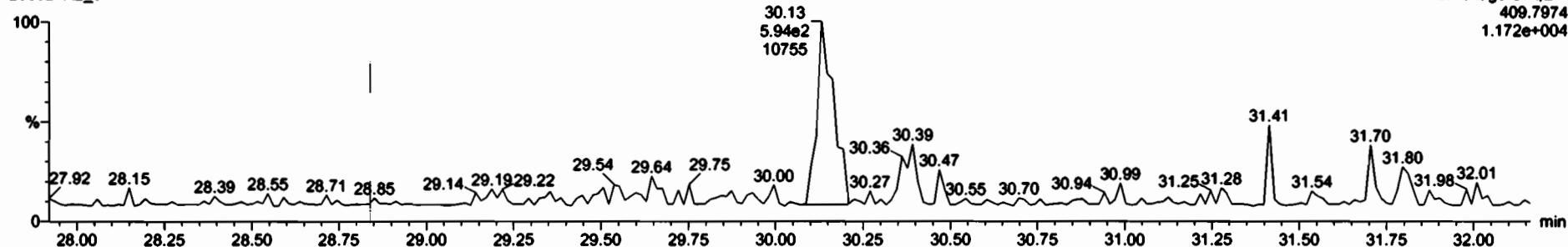


200521R2_8



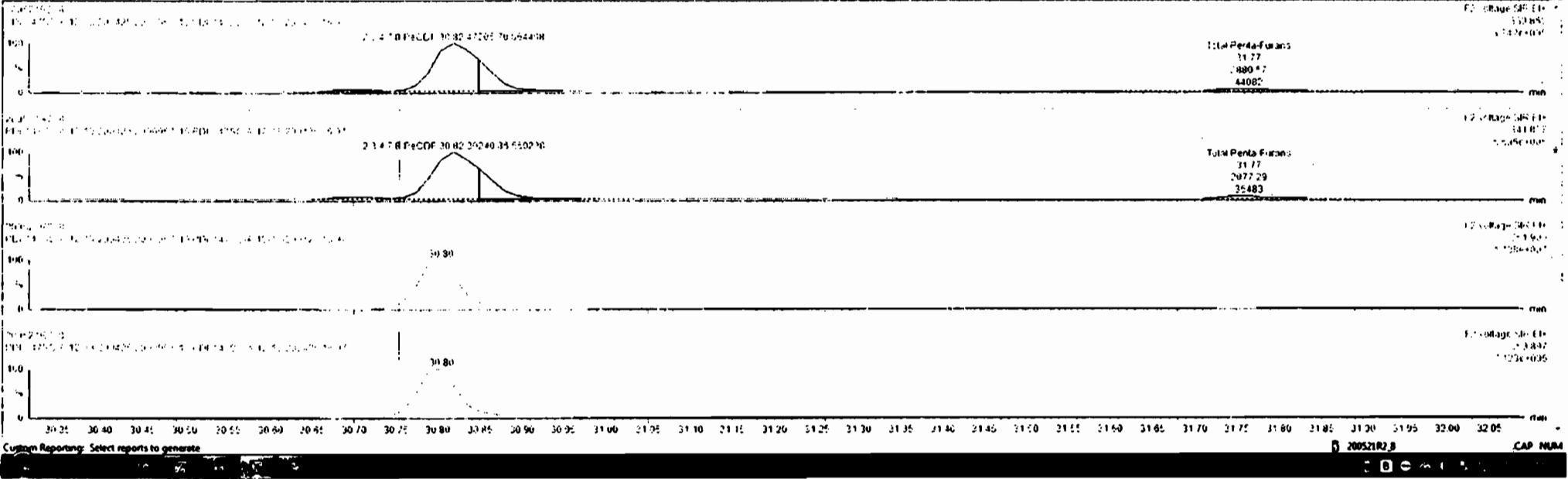
DPE2

200521R2_8



Name	Resp	RA	Qty	RRZ	RRV1	RT	RRT	Conc	%Acc	DL	EMPC
05 Total Penta-Furans				0.0182	10.814			97.2		0.276	183
06 Total Hexa-Furans				0.0217	13.014			97.2		0.276	183

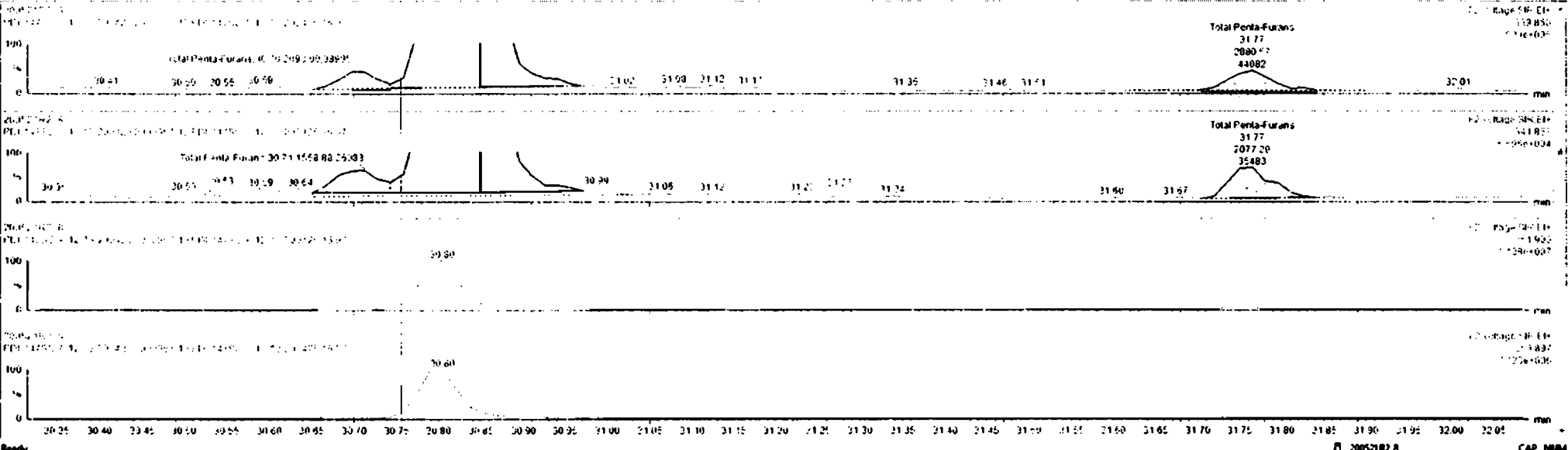
Name	RT	ml Resp	ml Resp	RA	Qty	EMPC	Conc
1 Total Penta-Furans	26.51	2.010e3	2.041e3	1.74	ml	2.0456	2.041e3
2 Total Hexa-Furans	28.31	7.144e4	4.964e4	1.52	ml	2.4320	24.700
3 Total Penta-Furans	28.81	4.110e2	9.70e3	1.52	ml	1.7320	1.0326
4 Total Penta-Furans	29.42	1.451e4	8.755e3	66	ml	4.7879	0.00000
5 Total Penta-Furans	29.42	2.770e2	2.043e3	1.77	ml	0.9041	0.00000
6 Total Penta-Furans	29.73	1.370e4	6.941e3	1.77	ml	0.723	1.680
7 1,2,3,7-SubCDF	29.81	2.350e4	6.304e4	1.77	ml	1.031	1.015
8 Total Penta-Furans	29.89	2.660e3	2.102e4	1.42	ml	1.1421	1.0474
9 Total Penta-Furans	30.09	1.570e4	2.349e4	1.41	ml	12.054	12.024
10 Total Penta-Furans	30.76	2.26e2	1.559e3	1.4	ml	0.1152	0.75114
11 2,3,4,7-SubCDF	30.82	4.71e4	7.074e4	6	ml	15.227	15.227
12 Total Penta-Furans	30.82	1.337e4	2.542e3	1.77	ml	4.589	4.652
13 Total Penta-Furans	31.77	1.821e2	2.075e3	1.79	ml	1.0201	1.0203





Name	Group	RA	Qty	RRF	Wt%	RT	RTI	Conc	%Rec	DL	EMPC
45	Total Penta-Furans			0.9182	48.814			97.2		0.279	100
45	Total Hexa-Furans			0.6217	13.017			1.67		0.323	100

Name	RT	n1 Resp	n2 Resp	RA	Qty	EMPC	Conc
1 Total Penta-Furans	28.45	6.35e3	1.87e3	1.54	NO	2.0476	2.3459
2 Total Penta-Furans	29.33	1.64e4	4.26e4	1.73	NO	24.330	24.700
3 Total Penta-Furans	29.87	4.11e3	2.91e3	1.53	NO	1.5129	1.4126
4 Total Penta-Furans	29.42	1.451e4	6.755e3	1.68	NO	4.7879	0.00000
5 Total Penta-Furans	29.71	2.776e3	2.643e3	1.32	NO	0.98211	0.79007
6 Total Penta-Furans	29.77	1.336e4	6.421e3	1.47	NO	1.6968	1.6285
7 1,2,3,7,8-PeC1,2	29.51	9.35e4	1.286e4	1.56	NO	31.031	31.021
8 Total Penta-Furans	29.59	2.67e4	2.102e3	1.42	NO	1.0475	1.0475
9 Total Penta-Furans	30.03	1.536e4	2.349e4	1.49	NO	12.054	12.054
10 Total Penta-Furans	30.11	1.36e3	1.17e4	1.24	NO	0.15154	0.75114
11 2,3,4,7,8-PeC1,2	30.31	4.211e4	1.07e4	1.10	NO	15.227	15.227
12 Total Penta-Furans	30.31	1.227e4	6.542e3	1.57	NO	4.1056	4.1057
13 Total Penta-Furans	30.31	2.017e3	1.07e3	1.30	NO	1.0.37	1.0221

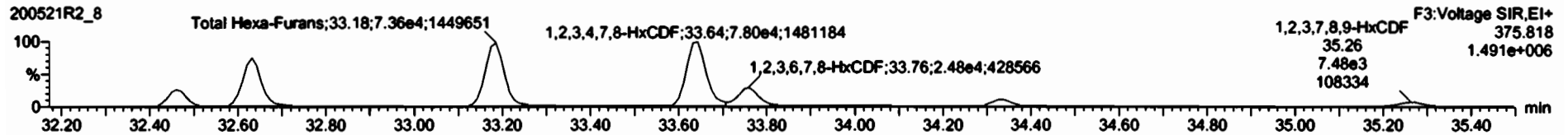
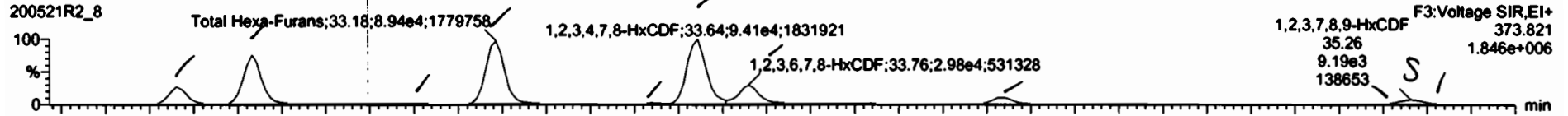


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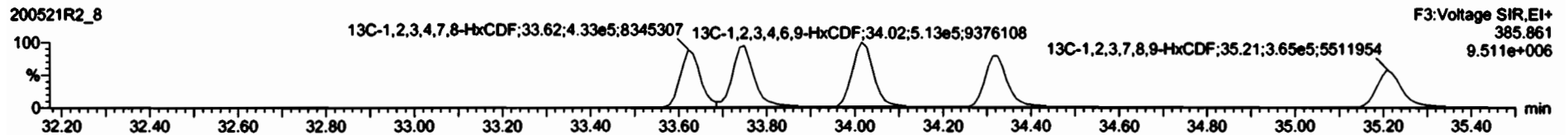
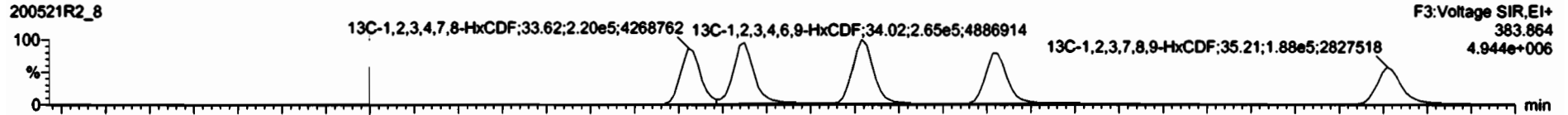
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Name: 200521R2_8, Date: 21-May-2020, Time: 18:28:54, ID: 2000957-10 PDI-147SC-A-12-13-200425 16.97, Description: PDI-147SC-A-12-13-200425

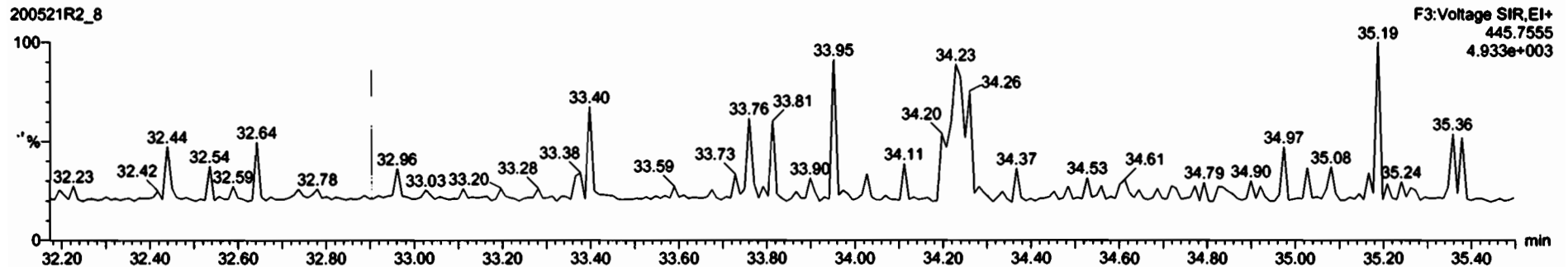
1,2,3,4,7,8-HxCDF



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

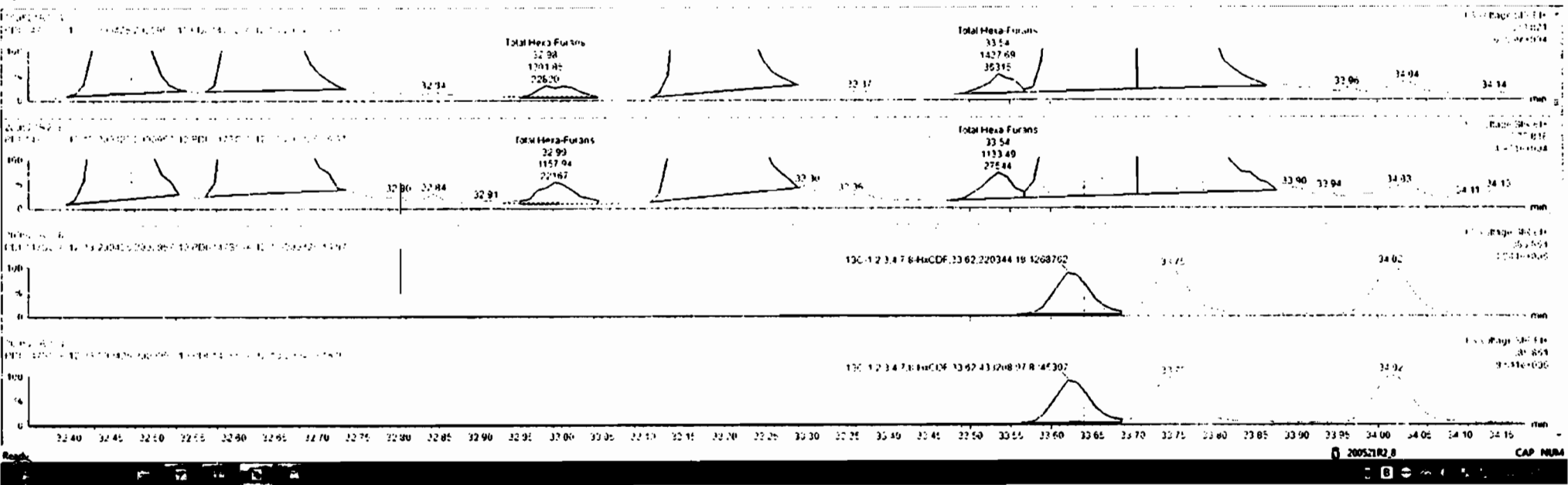


DPE3



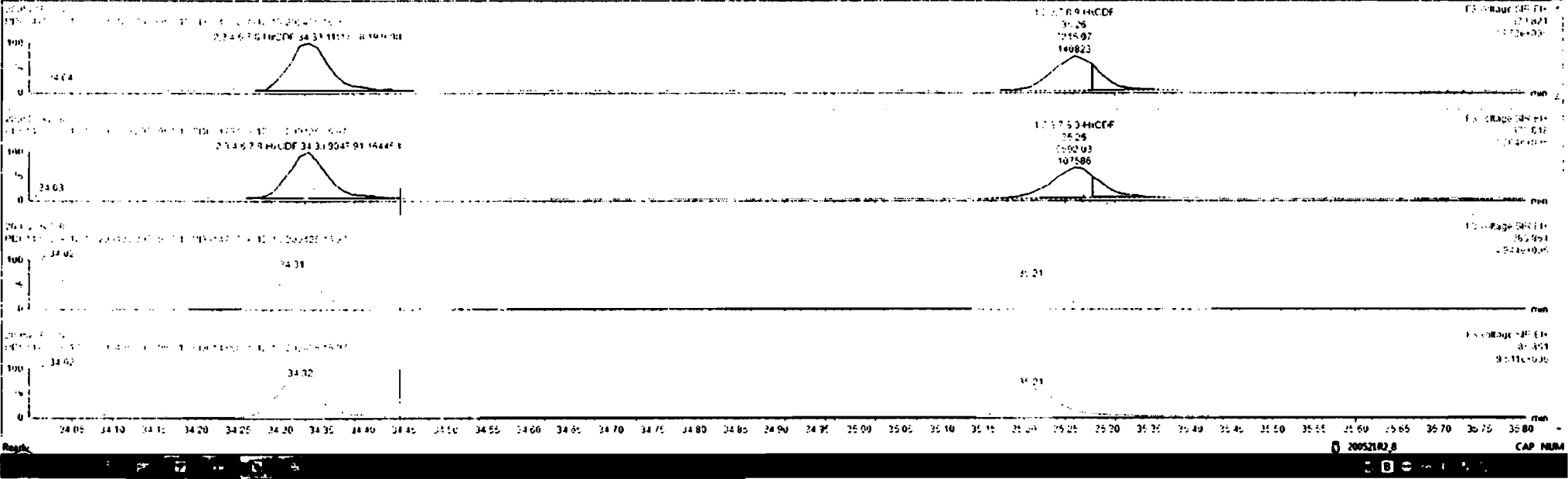
Name	Resp	RA	RY	RFI	WVDF	RT	RRT	Conc	%Rec	DL	EMPC
1 Total Hexa-Furans	2.97e	13.01e						199	97.7	2.71e	10
46 Total Hexa-Furans				6.6217	16.814					6.323	199

Name	RT	Int Resp	m2 Resp	RA	RY	EMPC	Conc
1 Total Hexa-Furans	32.46	2.345e4	1.916e4	1.22	97.7	1.923	13.973
2 Total Hexa-Furans	32.53	6.192e4	4.444e4	1.22	96.0	3.175	25.912
3 Total Hexa-Furans	32.98	1.102e7	1.156e7	1.11	97.0	6.8073	6.80273
4 Total Hexa-Furans	33.19	8.542e4	7.312e4	1.22	96.0	5.266	33.266
5 Total Hexa-Furans	33.54	1.478e7	1.175e7	1.17	96.0	6.24013	6.24013
6 1,2,3,4,7,8-HxCDF	33.74	9.410e4	1.501e4	1.21	96.0	15.054	15.985
7 1,2,3,4,7,8-HxCDF	33.75	2.976e4	2.461e4	1.20	96.0	16.234	16.237
8 Total Hexa-Furans	34.24	4.036e7	2.745e7	1.12	95.5	9.19179	6.00000
9 2,3,4,6,7,8-HxCDF	34.33	1.112e4	9.045e3	1.21	96.0	2.4474	5.4474
10 1,2,3,7,8-HxCDF	35.26	5.195e7	1.479e7	1.21	96.0	2.5657	7.9623



#1	Name	Resp	RA	RV	RBF	WVWV	RT	RRT	Conc	%Rec	DL	EMPC
05	Total Hexa-Furans				0.910	10.014			197		0.323	100
06	Total Hexa-Furans				0.9217	10.014			197		0.323	100

#1	Name	RT	m1 Resp	m2 Resp	RA	RV	EMPC	Conc
1	Total Hexa-Furans	32.46	2.182e4	1.916e4	1.22	NO	11.421	14.64
2	Total Hexa-Furans	32.53	5.105e4	4.406e4	1.22	NO	10.178	34.63
3	Total Hexa-Furans	32.90	1.702e3	1.178e3	1.22	NO	0.50373	34.02
4	Total Hexa-Furans	33.19	8.943e4	7.759e4	1.22	NO	13.566	34.02
5	Total Hexa-Furans	33.54	1.478e2	1.177e2	1.22	NO	0.24073	34.02
6	1,2,3,4,5-HxCDF	33.84	5.110e4	7.501e4	1.22	NO	15.35	34.02
7	1,2,3,4,6-HxCDF	33.79	2.479e4	2.431e4	1.26	NO	16.23	34.02
8	1,2,4,5,6-HxCDF	34.32	1.112e4	9.645e3	1.22	NO	7.4494	34.02
9	1,2,3,4,5,6-HxCDF	35.26	2.156e2	1.592e2	1.25	NO	1.3124	34.02
10	Total Hexa-Furans	35.25	2.95e2	1.548e2	1.22	NO	1.17	34.02



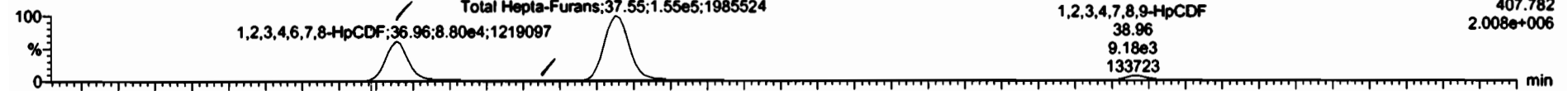
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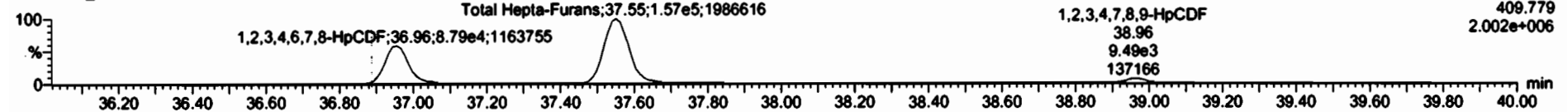
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1,2,3,4,6,7,8-HpCDF

200521R2_8

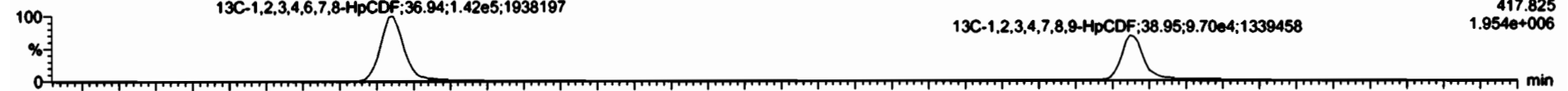


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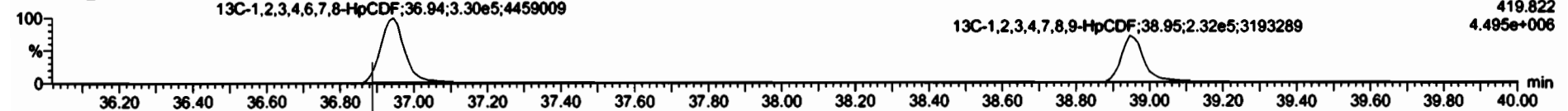


13C-1,2,3,4,6,7,8-HpCDF

200521R2_8

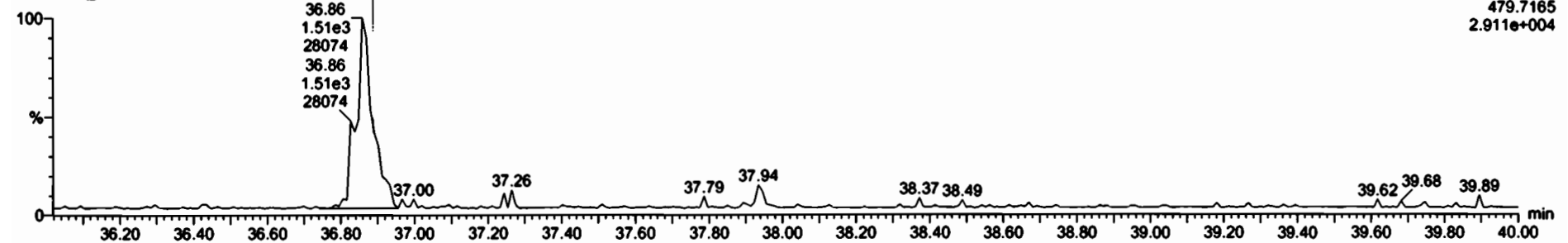


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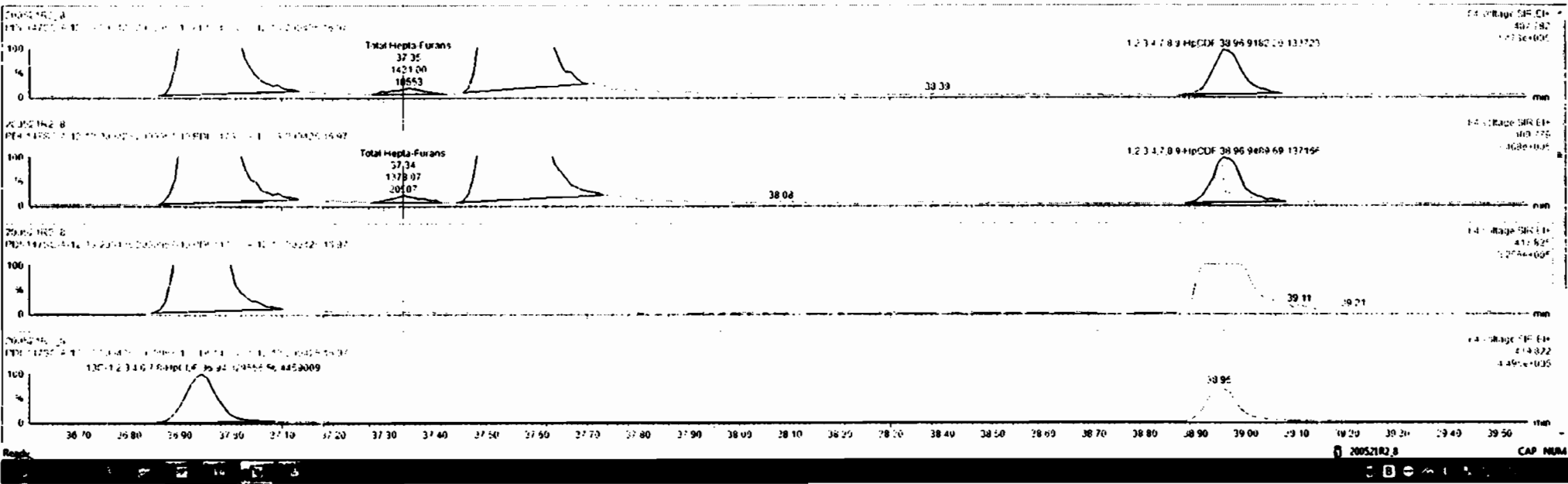
DPE4

200521R2_8



Name	Resp	RA	Qty	Ref	Unit	RT	RRT	Conc	%Rec	CL	AMPL
45 Total Hepta-Furans				C 910.	10.014			37.7		0.223	101
46 Total Hepta-Furans				C 9217	10.014			157		0.323	157

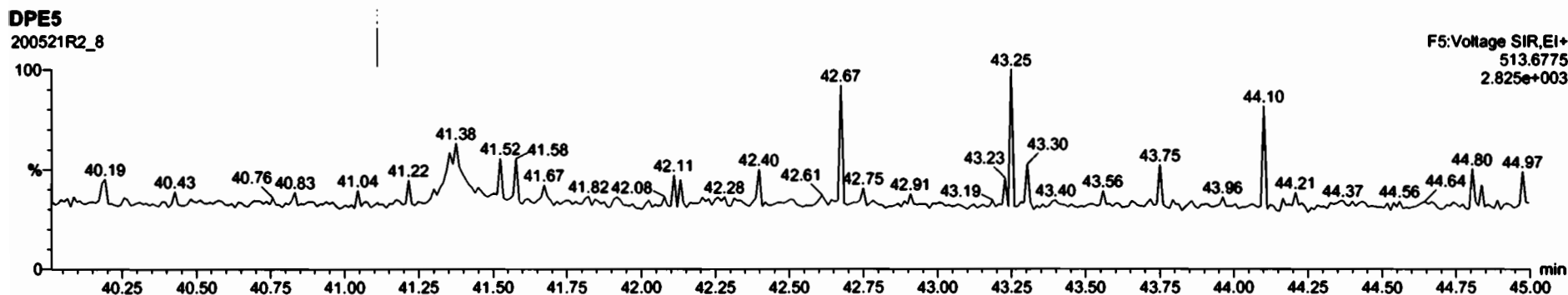
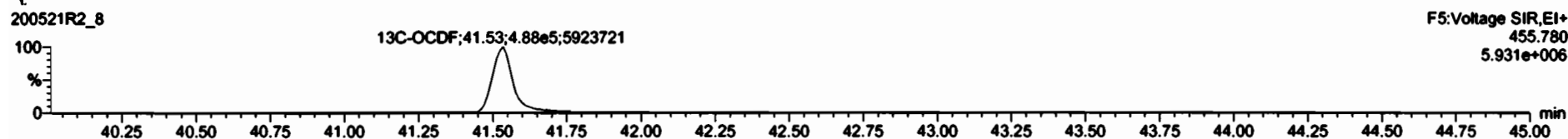
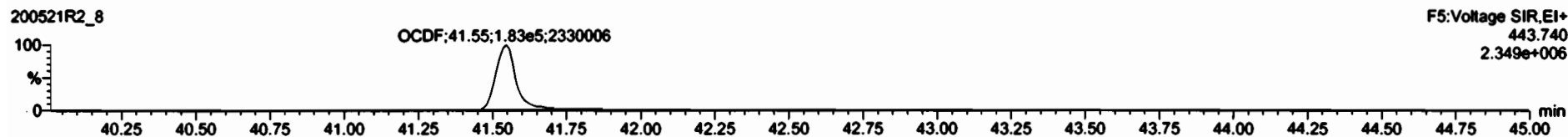
Name	RT	m1 Resp	m2 Resp	RA	Qty	EMPC	Conc
1 1 2 3 4 7 8 HxCDF	37.36	6.71e4	2.74e4	1.00	NO	85.541	17.541
2 Total Hepta-Furans	37.35	1.18e4	1.37e4	1.04	NO	1.6815	1.6889
3 Total Hepta-Furans	37.35	1.14e4	1.17e4	0.95	NO	170.57	178.97
4 1 2 3 4 7 8 9 HxCDF	38.96	5.12e4	5.44e4	0.97	NO	11.202	11.222



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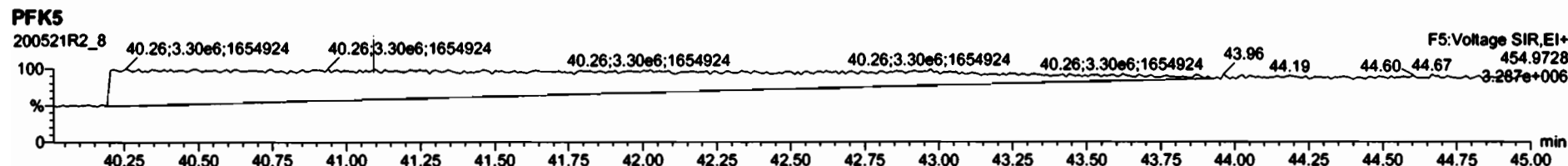
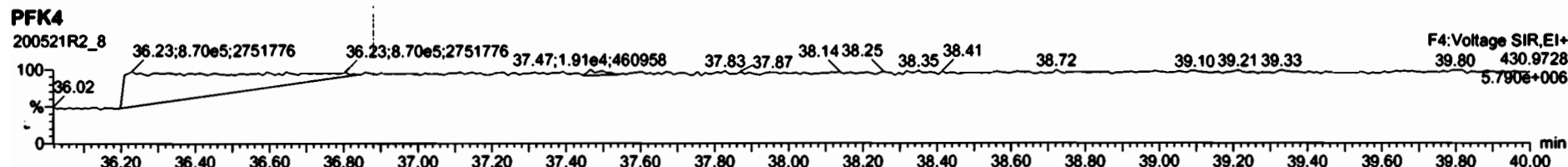
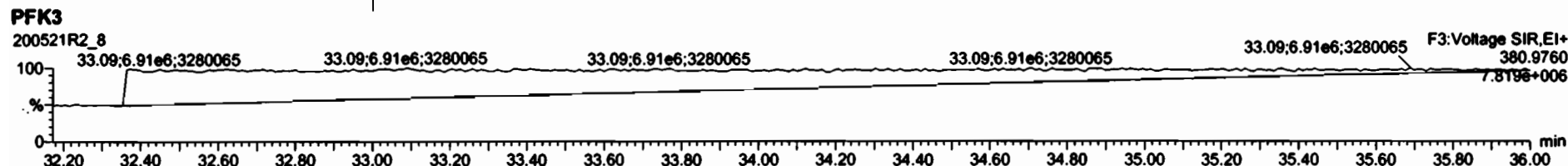
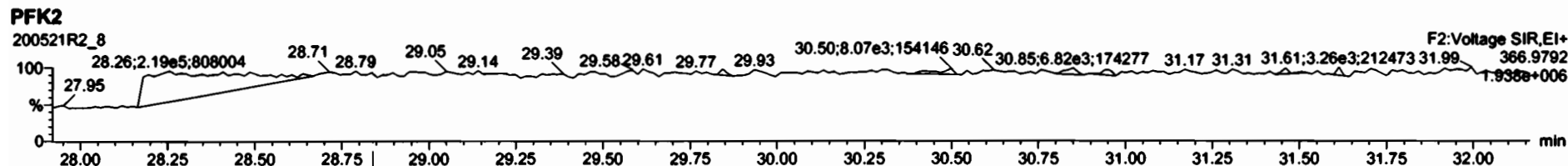
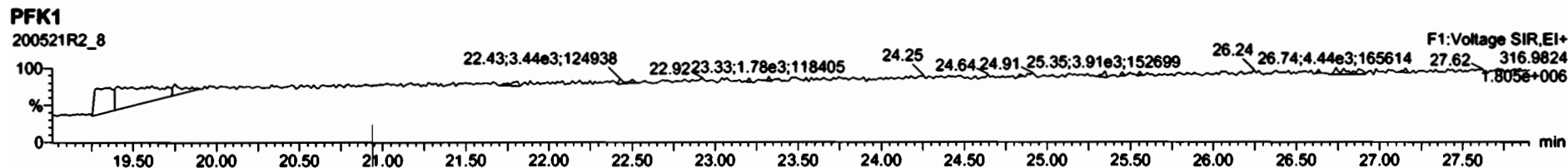
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GRB 05/22/2020

G 05/02/2020

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#	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	5.77e3	0.76	NO	0.947	10.014	26.036	26.03	1.001	1.001	1.1498		0.127	1.15
2	2 1,2,3,7,8-PeCDD	9.71e3	0.60	NO	0.942	10.014	31.132	31.13	1.001	1.000	2.5702		0.233	2.57
3	3 1,2,3,4,7,8-HxCDD	8.19e3	1.10	NO	1.06	10.014	34.505	34.51	1.000	1.000	2.8347		0.350	2.83
4	4 1,2,3,6,7,8-HxCDD	6.71e4	1.18	NO	0.915	10.014	34.591	34.61	1.000	1.001	20.710		0.362	20.7
5	5 1,2,3,7,8,9-HxCDD	2.42e4	1.23	NO	0.915	10.014	34.878	34.88	1.000	1.000	8.7048		0.420	8.70
6	6 1,2,3,4,6,7,8-HpCDD	9.43e5	0.97	NO	0.898	10.014	38.384	38.38	1.000	1.000	448.56		1.19	449
7	7 OCDD	7.43e6	0.87	NO	0.933	10.014	41.354	41.36	1.000	1.000	3645.1		1.15	3650
8	8 2,3,7,8-TCDF	1.62e5	0.75	NO	0.787	10.014	25.087	25.09	1.001	1.001	32.642	(29.1)	0.165	32.6
9	9 1,2,3,7,8-PeCDF	2.18e5	1.55	NO	0.910	10.014	29.818	29.81	1.001	1.001	41.255		0.239	41.3
10	10 2,3,4,7,8-PeCDF	8.92e4	1.58	NO	0.966	10.014	30.835	30.82	1.001	1.001	16.436		0.223	16.4
11	11 1,2,3,4,7,8-HxCDF	3.46e5	1.23	NO	0.878	10.014	33.621	33.64	1.000	1.001	109.45		0.262	109
12	12 1,2,3,6,7,8-HxCDF	1.13e5	1.16	NO	0.874	10.014	33.759	33.76	1.000	1.000	30.574		0.231	30.6
13	13 2,3,4,6,7,8-HxCDF	2.56e4	1.20	NO	0.922	10.014	34.358	34.33	1.001	1.000	7.6493		0.258	7.65
14	14 1,2,3,7,8,9-HxCDF	1.89e4	1.17	NO	0.864	10.014	35.219	35.27	1.000	1.002	7.2645		0.386	7.26
15	15 1,2,3,4,6,7,8-HpCDF	2.06e5	1.01	NO	0.871	10.014	36.981	36.96	1.001	1.000	93.558		0.413	93.6
16	16 1,2,3,4,7,8,9-HpCDF	3.36e4	1.01	NO	1.01	10.014	38.957	38.97	1.000	1.000	18.853		0.497	18.9
17	17 OCDF	3.83e5	0.83	NO	0.802	10.014	41.535	41.55	1.000	1.000	199.81		0.385	200
18	18 13C-2,3,7,8-TCDD	1.06e6	0.80	NO	1.16	10.014	25.984	26.00	1.026	1.027	173.66	86.9	0.249	
19	19 13C-1,2,3,7,8-PeCDD	8.00e5	0.62	NO	0.847	10.014	31.068	31.11	1.227	1.229	179.68	90.0	0.455	
20	20 13C-1,2,3,4,7,8-HxCDD	5.42e5	1.28	NO	0.750	10.014	34.495	34.49	1.014	1.014	168.63	84.4	0.597	
21	21 13C-1,2,3,6,7,8-HxCDD	7.07e5	1.27	NO	0.963	10.014	34.607	34.59	1.017	1.017	171.30	85.8	0.465	
22	22 13C-1,2,3,7,8,9-HxCDD	6.06e5	1.19	NO	0.838	10.014	34.876	34.87	1.025	1.025	168.86	84.5	0.535	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.67e5	1.00	NO	0.641	10.014	38.366	38.37	1.128	1.128	169.96	85.1	0.540	
24	24 13C-OCDD	8.72e5	0.84	NO	0.586	10.014	41.359	41.35	1.216	1.216	346.78	86.8	0.505	
25	25 13C-2,3,7,8-TCDF	1.26e6	0.77	NO	1.03	10.014	25.045	25.06	0.989	0.990	169.82	85.0	0.426	
26	26 13C-1,2,3,7,8-PeCDF	1.16e6	1.56	NO	0.845	10.014	29.759	29.80	1.176	1.177	191.60	95.9	0.556	
27	27 13C-2,3,4,7,8-PeCDF	1.12e6	1.56	NO	0.814	10.014	30.749	30.80	1.215	1.217	192.39	96.3	0.577	
28	28 13C-1,2,3,4,7,8-HxCDF	7.18e5	0.50	NO	1.00	10.014	33.634	33.62	0.989	0.988	166.74	83.5	0.721	
29	29 13C-1,2,3,6,7,8-HxCDF	8.48e5	0.52	NO	1.14	10.014	33.756	33.75	0.992	0.992	173.92	87.1	0.637	
30	30 13C-2,3,4,6,7,8-HxCDF	7.24e5	0.50	NO	1.02	10.014	34.325	34.32	1.009	1.009	165.16	82.7	0.709	
31	31 13C-1,2,3,7,8,9-HxCDF	6.02e5	0.50	NO	0.845	10.014	35.216	35.22	1.035	1.035	166.29	83.3	0.857	

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	5.06e5	0.42	NO	0.771	10.014	36.947	36.94	1.086	1.086	152.91	76.6	0.561	
33	33 13C-1,2,3,4,7,8,9-HpCDF	3.52e5	0.40	NO	0.482	10.014	38.957	38.96	1.145	1.145	170.21	85.2	0.897	
34	34 13C-OCDF	9.55e5	0.87	NO	0.669	10.014	41.529	41.53	1.221	1.221	333.29	83.4	0.547	
35	35 37Cl-2,3,7,8-TCDD	4.15e5			1.10	10.014	26.015	26.02	1.028	1.028	71.899	90.0	0.0784	
36	36 13C-1,2,3,4-TCDD	1.05e6	0.81	NO	1.00	10.014	25.350	25.32	1.000	1.000	199.72	100	0.289	
37	37 13C-1,2,3,4-TCDF	1.43e6	0.78	NO	1.00	10.014	23.560	23.53	1.000	1.000	199.72	100	0.441	
38	38 13C-1,2,3,4,6,9-HxCDF	8.56e5	0.51	NO	1.00	10.014	34.000	34.01	1.000	1.000	199.72	100	0.724	
39	39 Total Tetra-Dioxins				0.947	10.014	24.620		0.000		11.125		0.127	11.1
40	40 Total Penta-Dioxins				0.942	10.014	29.960		0.000		20.695		0.233	23.6
41	41 Total Hexa-Dioxins				0.915	10.014	33.635		0.000		200.25		0.394	200
42	42 Total Hepta-Dioxins				0.898	10.014	37.640		0.000		1127.4		1.19	1130
43	43 Total Tetra-Furans				0.787	10.014	23.610		0.000		118.71		0.165	120
44	44 1st Func. Penta-Furans				0.910	10.014	27.090		0.000		36.500		0.0627	36.5
45	45 Total Penta-Furans				0.910	10.014	29.275		0.000		112.71		0.238	118
46	46 Total Hexa-Furans				0.922	10.014	33.555		0.000		265.39		0.266	265
47	47 Total Hepta-Furans				0.871	10.014	37.835		0.000		289.39		0.480	289

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Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02

Calibration: U:\VG12.PRO\CurveDB\cb5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200521R2_9, Date: 21-May-2020, Time: 19:15:06, ID: B0E0022-DUP1 Duplicate 16.97, Description: Duplicate

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	21.84	5.923e4	8.540e4	5.590e3	7.679e3	0.73	NO	1.327e4	2.6417	2.6417	0.127
2	Total Tetra-Dioxins	22.25	2.530e4	3.542e4	2.690e3	3.532e3	0.76	NO	6.222e3	1.2388	1.2388	0.127
3	Total Tetra-Dioxins	22.77	1.275e4	1.600e4	1.113e3	1.635e3	0.68	NO	2.748e3	0.54721	0.54721	0.127
4	Total Tetra-Dioxins	23.72	1.058e4	1.519e4	8.742e2	1.116e3	0.78	NO	1.990e3	0.39625	0.39625	0.127
5	Total Tetra-Dioxins	24.00	1.795e4	1.676e4	1.505e3	1.880e3	0.80	NO	3.385e3	0.67398	0.67398	0.127
6	Total Tetra-Dioxins	24.21	2.337e4	3.355e4	2.144e3	2.563e3	0.84	NO	4.708e3	0.93728	0.93728	0.127
7	Total Tetra-Dioxins	24.45	1.087e4	1.086e4	6.373e2	8.952e2	0.71	NO	1.532e3	0.30511	0.30511	0.127
8	Total Tetra-Dioxins	24.72	1.081e4	9.898e3	7.963e2	9.105e2	0.87	NO	1.707e3	0.33982	0.33982	0.127
9	Total Tetra-Dioxins	24.90	9.099e3	1.395e4	7.159e2	8.555e2	0.84	NO	1.571e3	0.31286	0.31286	0.127
10	Total Tetra-Dioxins	25.32	8.386e3	1.135e4	7.083e2	1.069e3	0.66	NO	1.777e3	0.35380	0.35380	0.127
11	Total Tetra-Dioxins	25.76	4.819e4	6.804e4	4.173e3	5.163e3	0.81	NO	9.335e3	1.8586	1.8586	0.127
12	2,3,7,8-TCDD	26.03	3.452e4	4.144e4	2.488e3	3.286e3	0.76	NO	5.775e3	1.1498	1.1498	0.127
13	Total Tetra-Dioxins	26.36	1.168e4	1.930e4	7.824e2	1.077e3	0.73	NO	1.859e3	0.37017	0.37017	0.127

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.87	1.156e5	2.085e5	1.007e4	1.644e4	0.61	NO	2.651e4	7.0180	7.0180	0.233
2	Total Penta-Dioxins	29.35	3.771e4	6.892e4	1.971e3	3.669e3	0.54	NO	5.640e3	1.4930	1.4930	0.233
3	Total Penta-Dioxins	29.86	8.532e4	1.619e5	4.954e3	8.135e3	0.61	NO	1.309e4	3.4654	3.4654	0.233
4	Total Penta-Dioxins	30.03	7.229e4	1.222e5	3.735e3	6.449e3	0.58	NO	1.018e4	2.6962	2.6962	0.233
5	Total Penta-Dioxins	30.13	3.655e4	6.544e4	2.493e3	3.912e3	0.64	NO	6.405e3	1.6957	1.6957	0.233
6	Total Penta-Dioxins	30.33	4.605e4	7.019e4	2.877e3	4.551e3	0.63	NO	0.000e0	0.00000	1.9665	0.233
7	Total Penta-Dioxins	30.38	3.433e4	5.703e4	1.216e3	2.188e3	0.56	NO	0.000e0	0.00000	0.90107	0.233
8	Total Penta-Dioxins	30.70	1.208e4	2.142e4	6.422e2	1.190e3	0.54	NO	1.833e3	0.48514	0.48514	0.233
9	1,2,3,7,8-PeCDD	31.13	5.722e4	1.030e5	3.632e3	6.077e3	0.60	NO	9.709e3	2.5702	2.5702	0.233
10	Total Penta-Dioxins	31.22	1.784e4	3.566e4	1.032e3	1.499e3	0.69	NO	2.531e3	0.67018	0.67018	0.233
11	Total Penta-Dioxins	31.54	1.468e4	2.751e4	8.462e2	1.425e3	0.59	NO	2.271e3	0.60132	0.60132	0.233

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Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.03	1.960e6	1.556e6	9.949e4	8.072e4	1.23	NO	1.802e5	63.619	63.619	0.394
2	Total Hexa-Dioxins	33.57	2.187e5	1.635e5	1.182e4	9.828e3	1.20	NO	2.164e4	7.6412	7.6412	0.394
3	Total Hexa-Dioxins	33.83	2.021e6	1.619e6	1.334e5	1.077e5	1.24	NO	2.411e5	85.116	85.116	0.394
4	Total Hexa-Dioxins	33.93	2.326e5	2.092e5	1.420e4	1.185e4	1.20	NO	2.605e4	9.1947	9.1947	0.394
5	1,2,3,4,7,8-HxCDD	34.51	8.499e4	7.270e4	4.283e3	3.906e3	1.10	NO	8.189e3	2.8347	2.8347	0.350
6	1,2,3,6,7,8-HxCDD	34.61	5.957e5	5.003e5	3.628e4	3.079e4	1.18	NO	6.707e4	20.710	20.710	0.362
7	Total Hexa-Dioxins	34.79	6.579e4	5.684e4	3.544e3	3.341e3	1.06	NO	6.885e3	2.4305	2.4305	0.394
8	1,2,3,7,8,9-HxCDD	34.88	1.954e5	1.767e5	1.335e4	1.083e4	1.23	NO	2.418e4	8.7048	8.7048	0.420

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.35	9.155e6	8.910e6	7.187e5	7.080e5	1.01	NO	1.427e6	678.88	678.88	1.19
2	1,2,3,4,6,7,8-HpCDD	38.38	5.945e6	5.880e6	4.638e5	4.789e5	0.97	NO	9.427e5	448.56	448.56	1.19

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Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	19.76	2.180e4	2.706e4	1.772e3	2.360e3	0.75	NO	4.132e3	0.83342	0.83342	0.165
2	Total Tetra-Furans	20.27	3.665e4	5.605e4	3.371e3	5.125e3	0.66	NO	8.496e3	1.7137	1.7137	0.165
3	Total Tetra-Furans	20.87	2.309e5	3.313e5	2.020e4	2.699e4	0.75	NO	4.720e4	9.5197	9.5197	0.165
4	Total Tetra-Furans	21.35	3.548e4	4.092e4	2.570e3	3.343e3	0.77	NO	0.000e0	0.00000	1.1928	0.165
5	Total Tetra-Furans	21.41	5.399e4	6.966e4	5.977e3	7.479e3	0.80	NO	1.346e4	2.7141	2.7141	0.165
6	Total Tetra-Furans	21.69	2.045e4	2.019e4	6.518e2	9.364e2	0.70	NO	1.588e3	0.32035	0.32035	0.165
7	Total Tetra-Furans	21.80	2.311e5	2.938e5	2.130e4	2.738e4	0.78	NO	4.867e4	9.8176	9.8176	0.165
8	Total Tetra-Furans	22.28	1.026e5	1.325e5	9.349e3	1.241e4	0.75	NO	2.176e4	4.3897	4.3897	0.165
9	Total Tetra-Furans	22.44	3.231e4	4.070e4	2.921e3	3.706e3	0.79	NO	6.627e3	1.3366	1.3366	0.165
10	Total Tetra-Furans	22.64	5.921e4	7.286e4	5.549e3	7.061e3	0.79	NO	1.261e4	2.5433	2.5433	0.165
11	Total Tetra-Furans	23.09	1.258e4	1.152e4	8.276e2	1.082e3	0.76	NO	1.910e3	0.38525	0.38525	0.165
12	Total Tetra-Furans	23.25	2.822e4	3.416e4	2.302e3	2.607e3	0.88	NO	4.909e3	0.99019	0.99019	0.165
13	Total Tetra-Furans	23.44	7.742e4	1.102e5	5.389e3	7.109e3	0.76	NO	1.250e4	2.5207	2.5207	0.165
14	Total Tetra-Furans	23.55	1.272e5	1.839e5	1.589e4	2.163e4	0.73	NO	3.752e4	7.5685	7.5685	0.165
15	Total Tetra-Furans	24.09	6.915e5	9.027e5	5.542e4	7.474e4	0.74	NO	1.302e5	26.254	26.254	0.165
16	Total Tetra-Furans	24.42	3.480e4	5.066e4	3.033e3	3.926e3	0.77	NO	6.958e3	1.4035	1.4035	0.165
17	Total Tetra-Furans	24.61	1.684e4	2.486e4	1.466e3	1.681e3	0.87	NO	3.147e3	0.63471	0.63471	0.165
18	Total Tetra-Furans	24.84	1.901e4	2.019e4	1.411e3	1.619e3	0.87	NO	3.030e3	0.61121	0.61121	0.165
19	Total Tetra-Furans	24.97	1.319e5	1.742e5	8.555e3	1.089e4	0.79	NO	1.945e4	3.9225	3.9225	0.165
20	2,3,7,8-TCDF	25.09	8.793e5	1.177e6	6.952e4	9.231e4	0.75	NO	1.618e5	32.642	32.642	0.165
21	Total Tetra-Furans	25.20	2.362e4	2.406e4	1.590e3	2.004e3	0.79	NO	3.594e3	0.72498	0.72498	0.165
22	Total Tetra-Furans	25.50	8.636e4	1.153e5	7.342e3	9.985e3	0.74	NO	1.733e4	3.4949	3.4949	0.165
23	Total Tetra-Furans	25.75	1.386e4	1.827e4	1.014e3	1.302e3	0.78	NO	2.316e3	0.46705	0.46705	0.165
24	Total Tetra-Furans	27.17	1.149e5	1.587e5	8.279e3	1.108e4	0.75	NO	1.936e4	3.9049	3.9049	0.165

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	27.16	1.790e6	1.144e6	1.173e5	7.247e4	1.62	NO	1.897e5	36.500	36.500	0.0627

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Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.65	1.151e5	7.767e4	6.664e3	4.274e3	1.56	NO	1.094e4	2.1043	2.1043	0.238
2	Total Penta-Furans	28.81	1.265e6	7.643e5	8.539e4	5.281e4	1.62	NO	1.382e5	26.588	26.588	0.238
3	Total Penta-Furans	28.87	1.287e5	8.661e4	5.104e3	3.620e3	1.41	NO	8.725e3	1.6785	1.6785	0.238
4	Total Penta-Furans	29.35	2.298e4	1.308e4	9.648e2	6.235e2	1.55	NO	0.000e0	0.00000	0.30557	0.238
5	Total Penta-Furans	29.40	2.590e5	1.570e5	1.634e4	9.890e3	1.65	NO	0.000e0	0.00000	5.0459	0.238
6	Total Penta-Furans	29.46	5.549e4	3.450e4	2.060e3	1.279e3	1.61	NO	3.339e3	0.64232	0.64232	0.238
7	Total Penta-Furans	29.63	2.212e5	1.517e5	1.192e4	7.848e3	1.52	NO	1.977e4	3.8028	3.8028	0.238
8	1,2,3,7,8-PeCDF	29.81	2.335e6	1.525e6	1.326e5	8.543e4	1.55	NO	2.180e5	41.255	41.255	0.239
9	Total Penta-Furans	29.90	8.459e4	4.305e4	2.594e3	1.707e3	1.52	NO	4.301e3	0.82738	0.82738	0.238
10	Total Penta-Furans	30.09	6.933e5	4.183e5	3.760e4	2.441e4	1.54	NO	6.202e4	11.932	11.932	0.238
11	Total Penta-Furans	30.70	3.972e4	2.715e4	2.122e3	1.599e3	1.33	NO	3.721e3	0.71588	0.71588	0.238
12	2,3,4,7,8-PeCDF	30.82	1.063e6	6.408e5	5.466e4	3.454e4	1.58	NO	8.919e4	16.436	16.436	0.223
13	Total Penta-Furans	30.85	7.087e5	4.451e5	1.894e4	1.111e4	1.71	NO	3.005e4	5.7807	5.7807	0.238
14	Total Penta-Furans	31.77	6.263e4	3.798e4	3.048e3	1.877e3	1.62	NO	4.925e3	0.94760	0.94760	0.238

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.46	4.823e5	4.063e5	2.460e4	2.054e4	1.20	NO	4.514e4	13.528	13.528	0.266
2	Total Hexa-Furans	32.63	1.439e6	1.137e6	7.162e4	5.819e4	1.23	NO	1.298e5	38.901	38.901	0.266
3	Total Hexa-Furans	32.99	2.777e4	2.350e4	1.374e3	1.223e3	1.12	NO	2.597e3	0.77828	0.77828	0.266
4	Total Hexa-Furans	33.19	1.957e6	1.566e6	9.879e4	7.967e4	1.24	NO	1.785e5	53.480	53.480	0.266
5	Total Hexa-Furans	33.54	3.639e4	3.194e4	1.735e3	1.496e3	1.16	NO	3.231e3	0.96810	0.96810	0.266
6	1,2,3,4,7,8-HxCDF	33.64	3.599e6	2.908e6	1.910e5	1.547e5	1.23	NO	3.457e5	109.45	109.45	0.262
7	1,2,3,6,7,8-HxCDF	33.76	1.056e6	8.722e5	6.090e4	5.251e4	1.16	NO	1.134e5	30.574	30.574	0.231
8	Total Hexa-Furans	34.03	2.200e4	1.536e4	1.072e3	8.391e2	1.28	NO	1.911e3	0.57274	0.57274	0.266
9	2,3,4,6,7,8-HxCDF	34.33	2.394e5	2.097e5	1.396e4	1.160e4	1.20	NO	2.556e4	7.6493	7.6493	0.258
10	1,2,3,7,8,9-HxCDF	35.27	1.999e5	1.704e5	1.020e4	8.731e3	1.17	NO	1.893e4	7.2645	7.2645	0.386
11	Total Hexa-Furans	35.28	1.627e5	1.425e5	3.956e3	3.477e3	1.14	NO	7.432e3	2.2273	2.2273	0.266

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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	36.96	1.428e6	1.404e6	1.037e5	1.026e5	1.01	NO	2.063e5	93.558	93.558	0.413
2	Total Hepta-Furans	37.35	2.200e4	2.023e4	1.497e3	1.509e3	0.99	NO	3.006e3	1.6072	1.6072	0.480
3	Total Hepta-Furans	37.55	2.099e6	2.117e6	1.641e5	1.639e5	1.00	NO	3.280e5	175.37	175.37	0.480
4	1,2,3,4,7,8,9-HpCDF	38.97	2.602e5	2.414e5	1.690e4	1.671e4	1.01	NO	3.361e4	18.853	18.853	0.497

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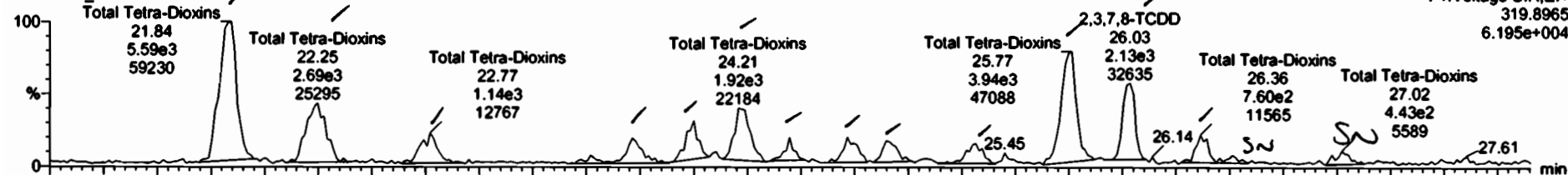
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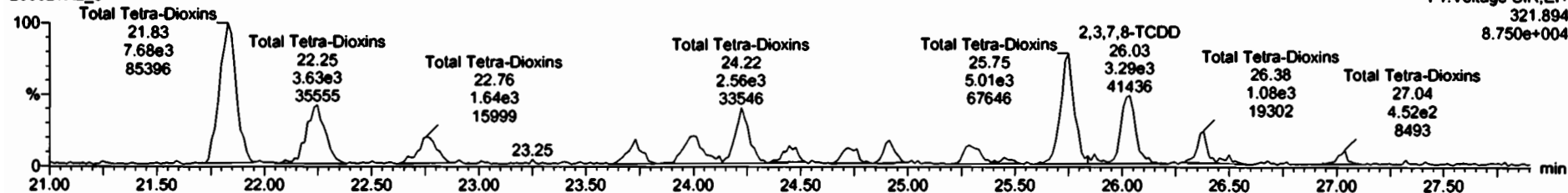
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2,3,7,8-TCDD

200521R2_9

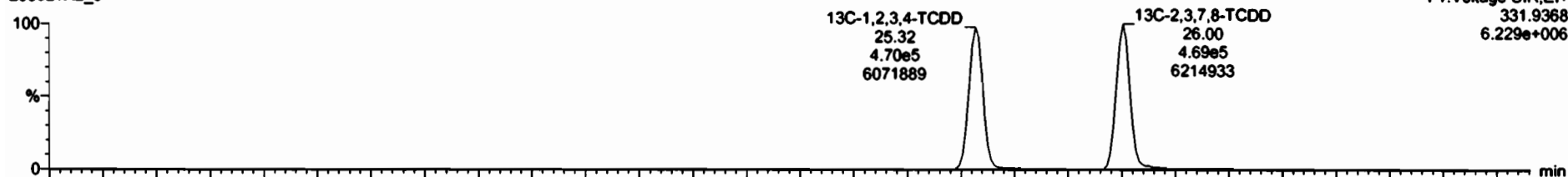


200521R2_9

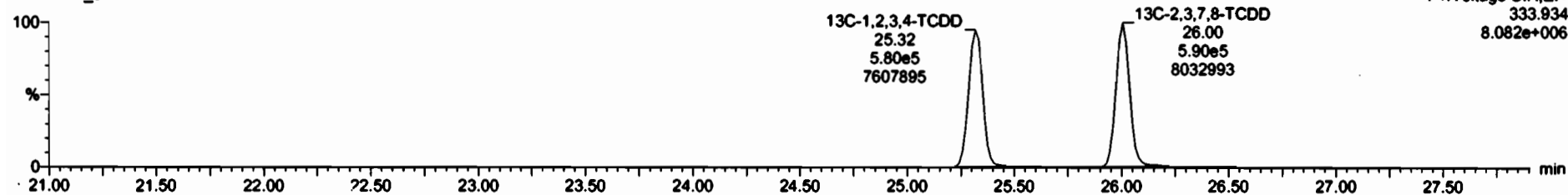


13C-2,3,7,8-TCDD

200521R2_9

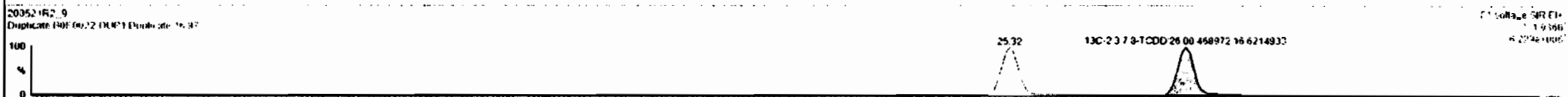
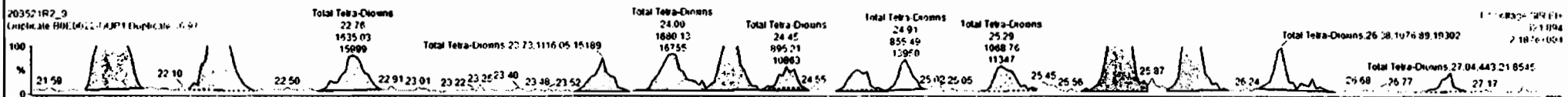
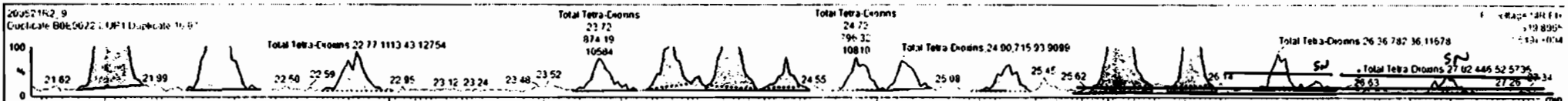


2.0521R2_9



ID	Name	Resp	RA	dy	RF	wRet	RT	RRT	Comp	%Rec	DL	EMPC
39	Substrate-Substrat				0.0000	00.0000			11.2		0.127	11.0
40	Total Tetra-Dioxins				0.0425	13.014			21.7		0.233	23.6

ID	Name	RT	Int Resp	m2 Resp	RA	dy	EMPC	Comp.
1	Total Tetra-Dioxins	21.64	5.550e3	7.673e3	0.72	NO	2.6417	2.6417
2	Total Tetra-Dioxins	22.25	2.890e3	3.522e3	0.76	NO	1.2388	1.2388
3	Total Tetra-Dioxins	22.77	1.113e3	1.435e3	0.88	NO	0.54721	0.54721
4	Total Tetra-Dioxins	23.72	8.742e2	1.116e3	0.78	NO	0.39625	0.36625
5	Total Tetra-Dioxins	24.00	1.105e3	1.680e3	0.50	NO	0.67566	0.67368
6	Total Tetra-Dioxins	24.21	2.144e3	2.583e3	0.84	NO	0.92728	0.93728
7	Total Tetra-Dioxins	24.45	5.373e2	6.952e2	0.71	NO	0.30511	0.30511
8	Total Tetra-Dioxins	24.72	7.983e2	9.105e2	0.57	NO	0.33882	0.33882
9	Total Tetra-Dioxins	24.90	7.155e2	8.555e2	0.84	NO	0.31288	0.31288
10	Total Tetra-Dioxins	25.37	1.063e2	1.089e3	0.86	NO	0.35368	0.35368
11	Total Tetra-Dioxins	25.78	4.173e3	5.163e3	0.81	NO	1.8586	1.8586
12	2,3,7,8-TCDD	26.83	2.484e3	1.288e3	0.76	NO	1.1498	1.1498
13	Total Tetra-Dioxins	26.36	7.824e2	1.077e3	0.73	NO	0.37017	0.27017
14	Total Tetra-Dioxins	26.51	2.118e2	2.910e2	0.72	NO	0.10010	0.10010
15	Total Tetra-Dioxins	27.02	4.405e2	4.432e2	1.01	1FS	0.15819	0.00000



Dataset: Untitled

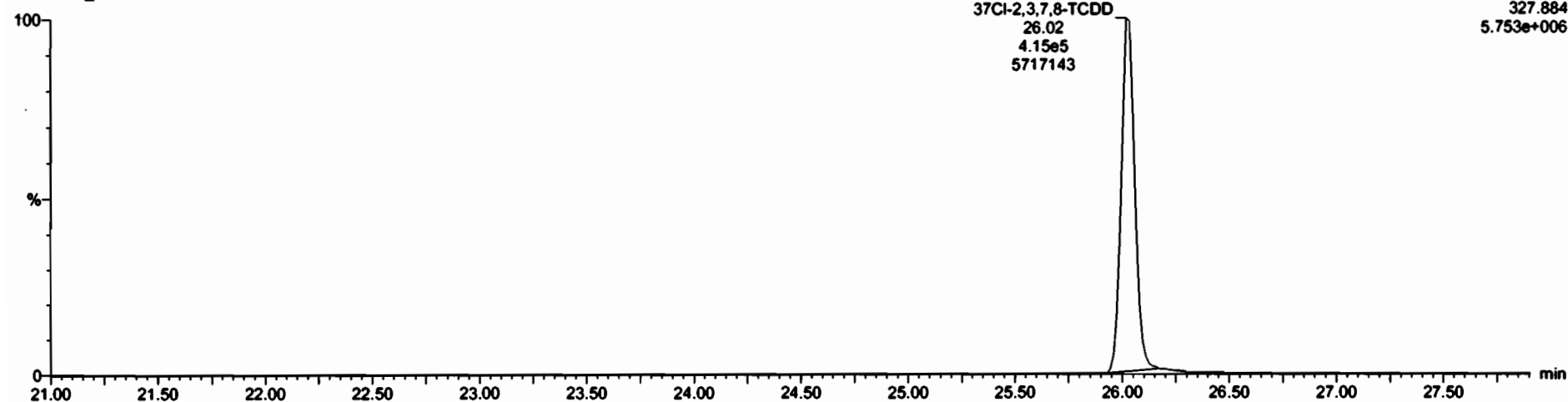
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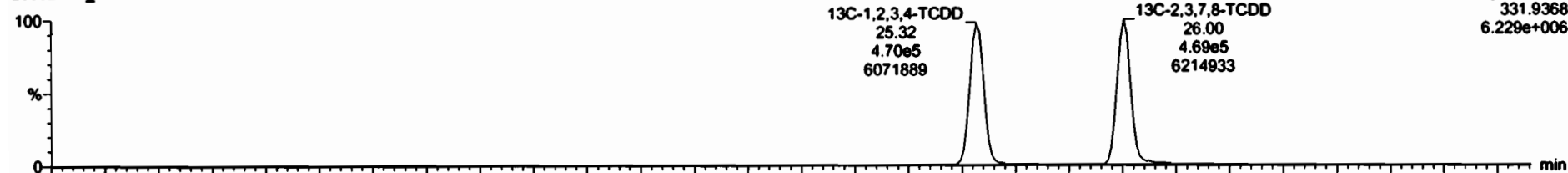
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200521R2_9

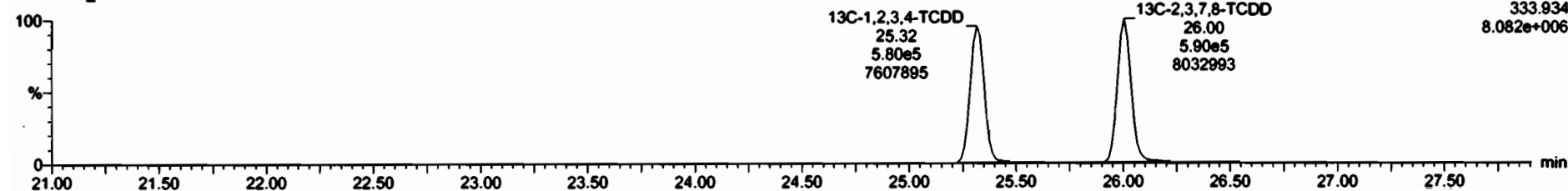


13C-1,2,3,4-TCDD

200521R2_9



200521R2_9



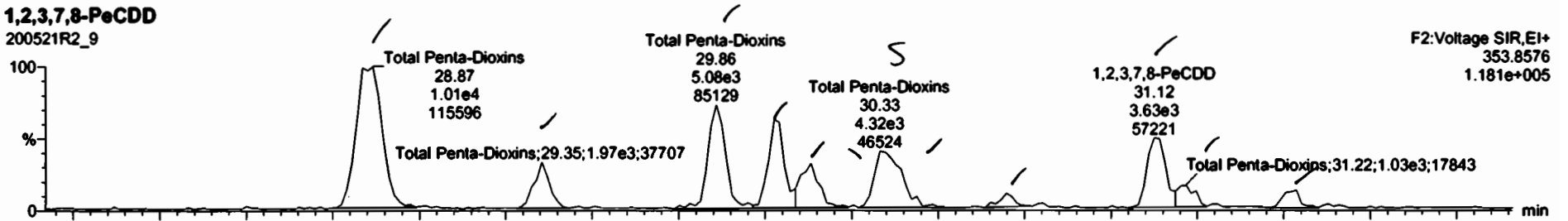
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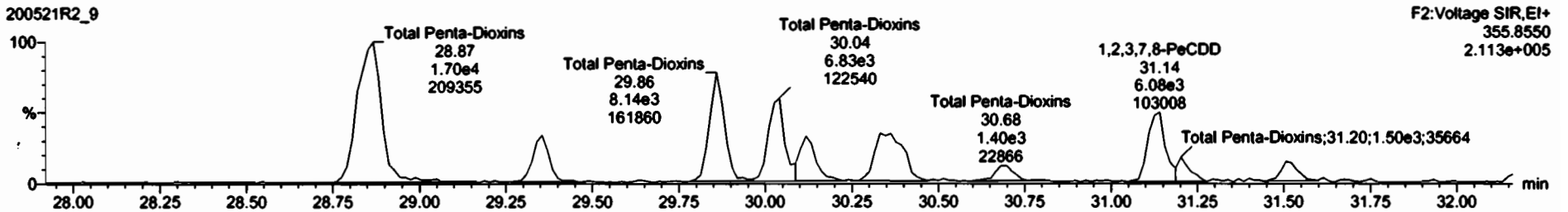
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1,2,3,7,8-PeCDD

200521R2_9

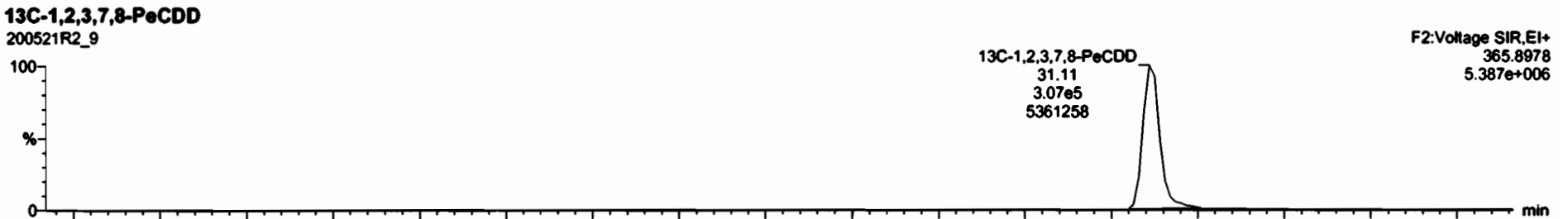


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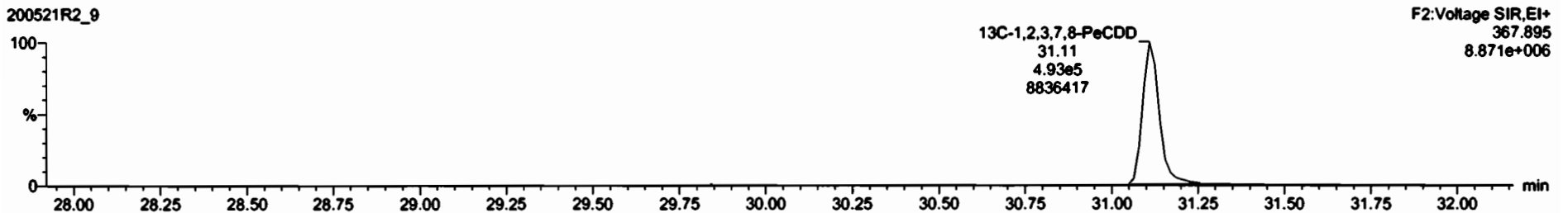


13C-1,2,3,7,8-PeCDD

200521R2_9



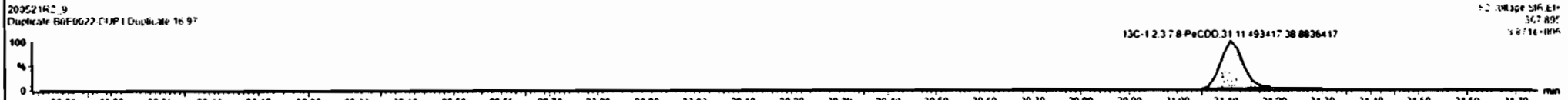
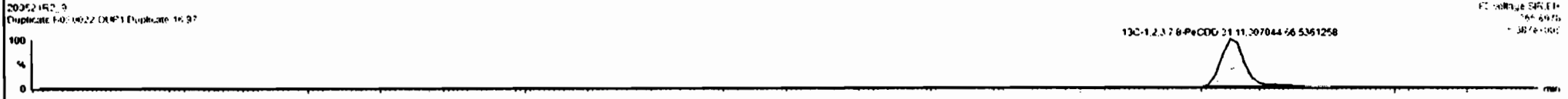
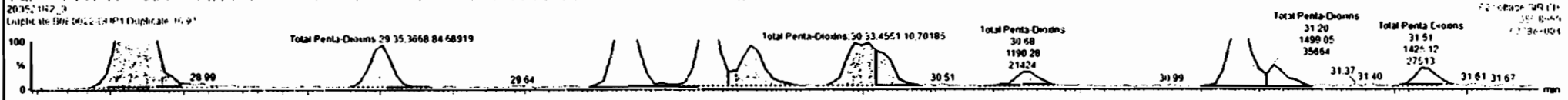
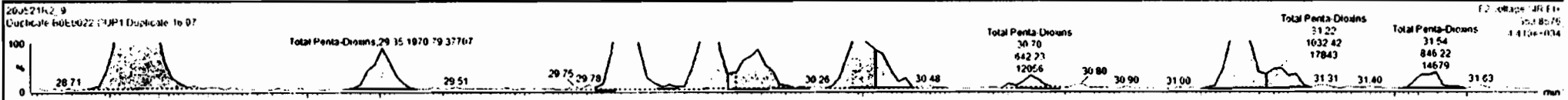
200521R2_9





Name	Resp	RA	aly	RRF	u/vol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9475	12.014			11.1	0.127	11.1	
40 Total Penta-Dioxins				0.9425	10.814			29.7	0.382	23.6	

Name	RT	MS Resp	MS Resp	RA	aly	EMPC	Conc.
1 Total Penta-Dioxins	28.87	1.007e4	1.644e4	0.61	NO	7.0180	7.0180
2 Total Penta-Dioxins	29.35	1.871e3	3.069e3	0.64	NO	1.4970	1.4930
3 Total Penta-Dioxins	29.86	4.954e3	8.135e3	0.61	NO	3.4654	3.4654
4 Total Penta-Dioxins	30.03	3.735e3	6.449e3	0.58	NO	2.6952	2.6952
5 Total Penta-Dioxins	30.13	2.450e3	3.912e3	0.64	NO	1.6857	1.6957
6 Total Penta-Dioxins	30.33	2.877e3	4.551e3	0.63	NO	1.9685	0.00000
7 Total Penta-Dioxins	30.38	1.218e3	2.188e3	0.56	NO	0.90107	0.00000
8 Total Penta-Dioxins	30.70	8.422e2	1.150e3	0.74	NO	0.48514	0.48514
9 1,2,3,7,8-PeCDD	31.13	3.632e3	0.077e3	0.60	NO	2.5702	2.5702
10 Total Penta-Dioxins	31.22	1.032e3	1.489e3	0.69	NO	0.67018	0.67018
11 Total Penta-Dioxins	31.54	8.462e2	1.425e3	0.59	NO	0.60132	0.60132



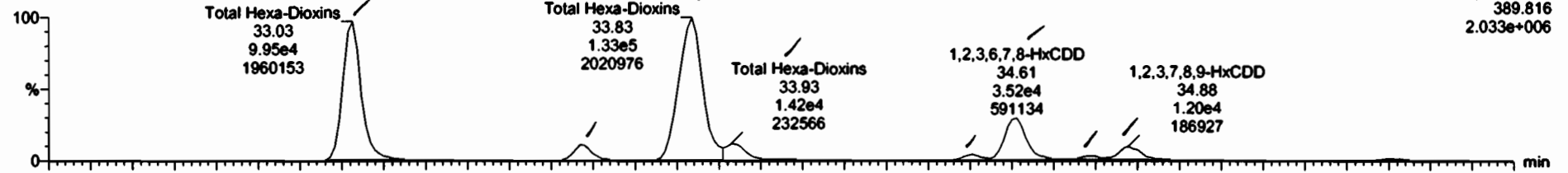
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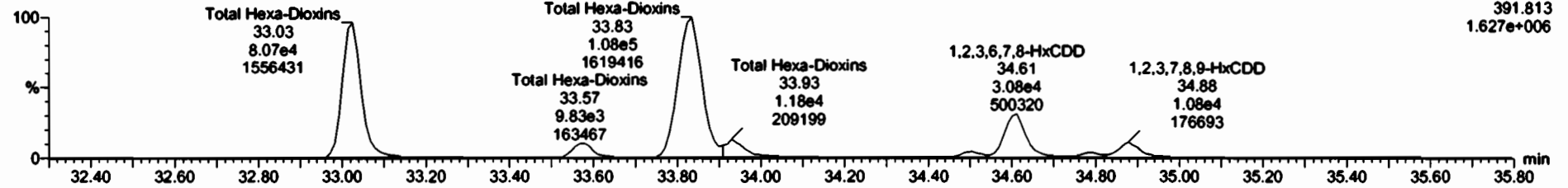
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1,2,3,4,7,8-HxCDD

200521R2_9

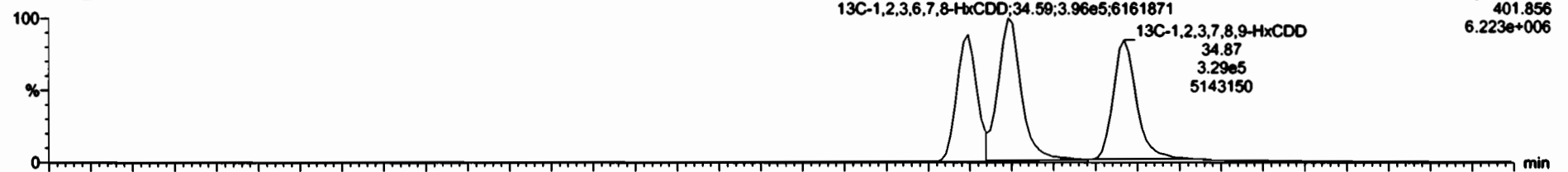


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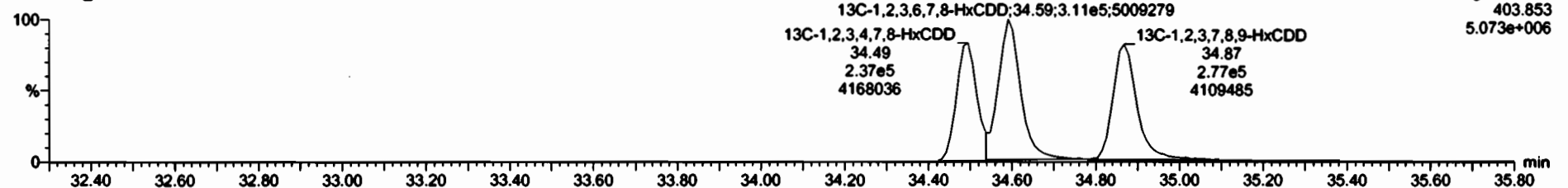


13C-1,2,3,4,7,8-HxCDD

200521R2_9

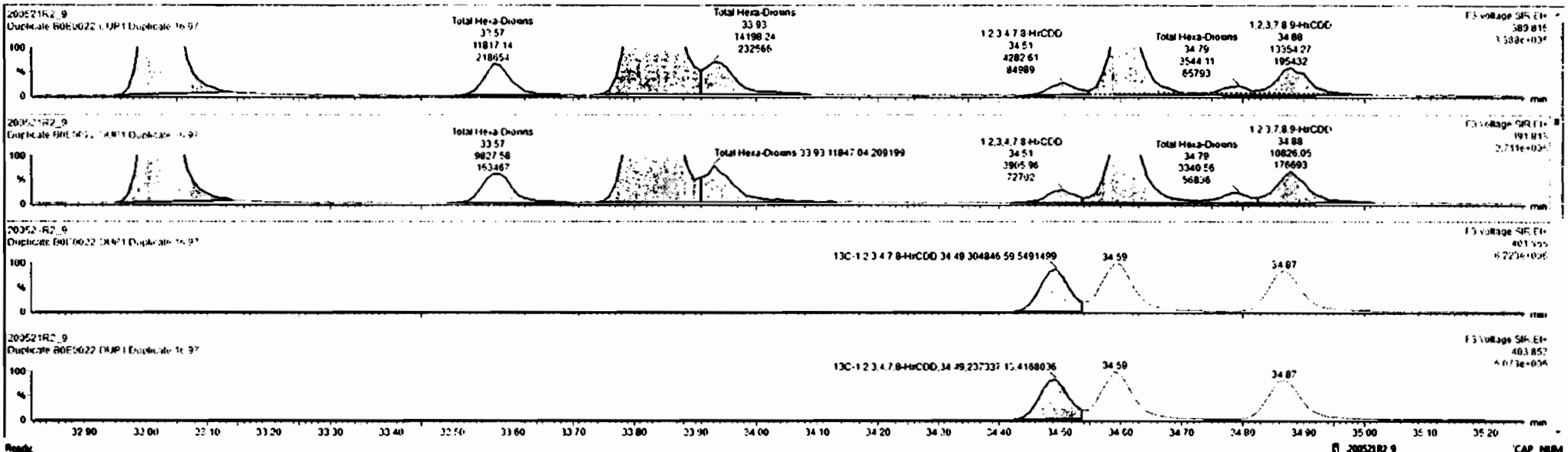


200521R2_9



SI	Name	Peep	RA	aly	RFP	uPval	RT	RRT	Cnc.	%Rec	DL	EMPC
30	Total Hexa-Dioxins				0.9475	10.014				11.1	0.127	11.1
40	Total Penta-Dioxins				0.9425	10.014			20.7		0.223	23.6

SI	Name	RT	mt Resp	st Resp	RA	aly	EMPC	Cnc.
1	Total Hexa-Dioxins	33.02	9.949e-4	8.072e-4	1.22	NO	63.619	63.615
2	Total Hexa-Dioxins	33.57	1.182e-4	9.828e-3	1.20	NO	7.6412	2.6412
3	Total Hexa-Dioxins	33.83	1.334e-5	1.077e-5	1.24	NO	85.116	85.116
4	Total Hexa-Dioxins	33.93	1.428e-4	1.185e-4	1.20	NO	9.1947	5.1947
5	1,2,3,4,7,8-HxCDD	34.51	4.282e-3	3.806e-3	1.10	NO	2.8347	2.8347
6	1,2,3,6,7,8-HxCDD	34.61	3.828e-4	3.079e-4	1.18	NO	20.710	20.710
7	Total Hexa-Chlorins	34.79	3.544e-3	3.341e-3	1.06	NO	2.4385	2.4385
8	1,2,3,7,8,9-HxCDD	34.88	1.321e-4	1.063e-4	1.22	NO	8.7848	8.7848



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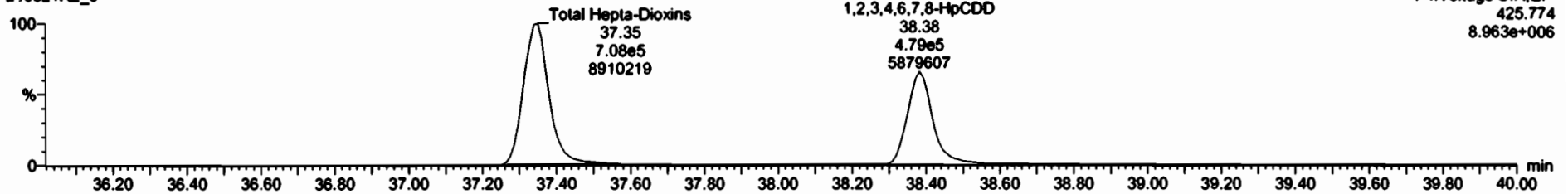
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1,2,3,4,6,7,8-HpCDD

200521R2_9



200521R2_9

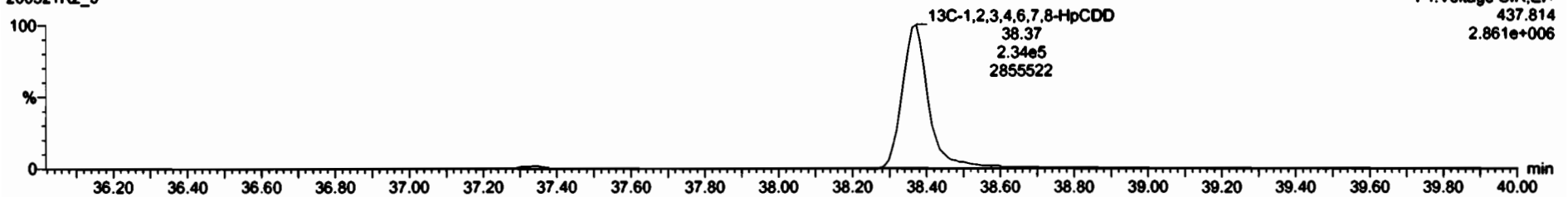


13C-1,2,3,4,6,7,8-HpCDD

200521R2_9



200521R2_9

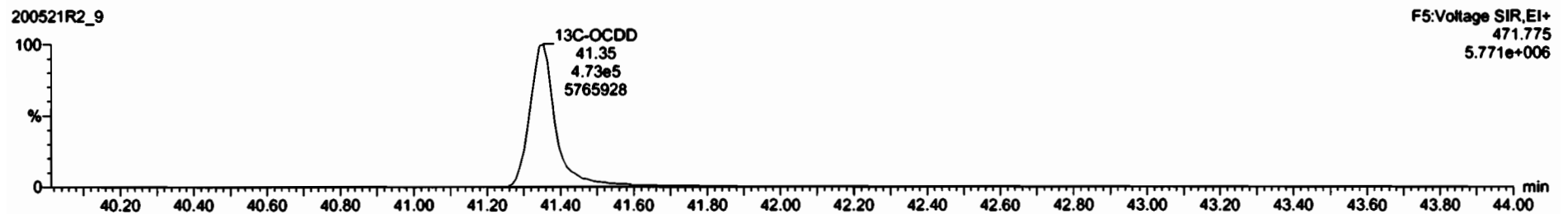
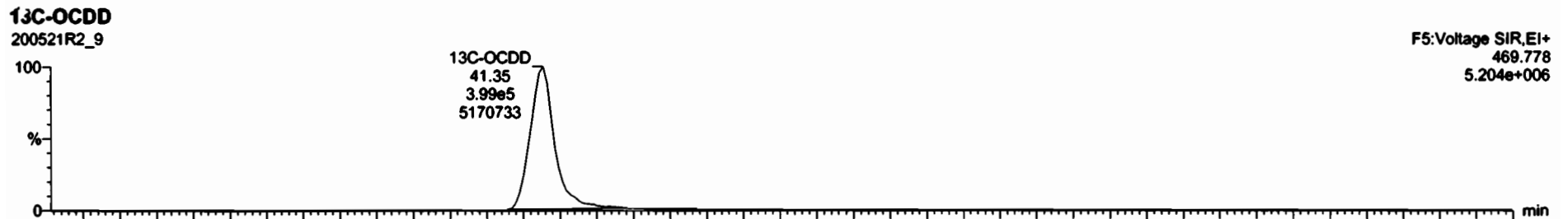
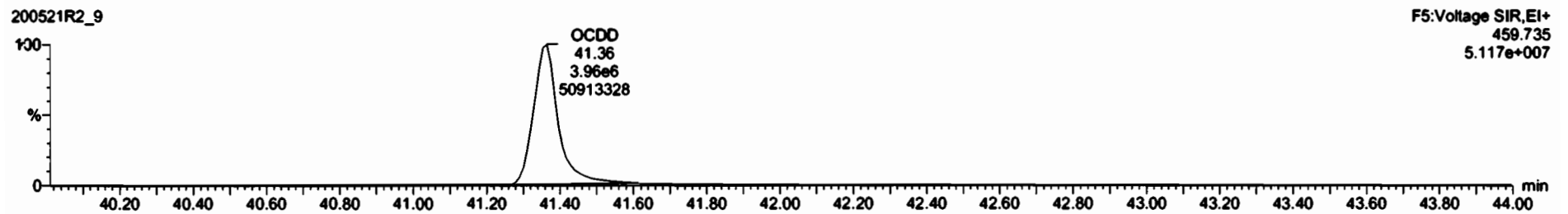


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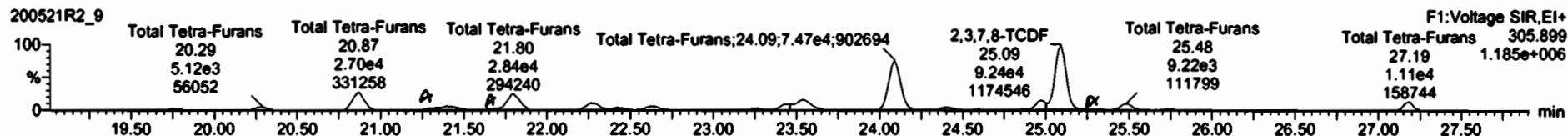
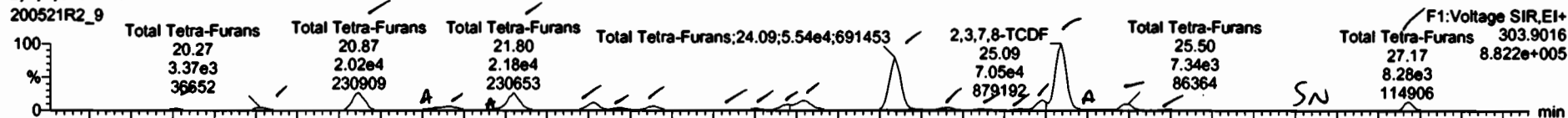


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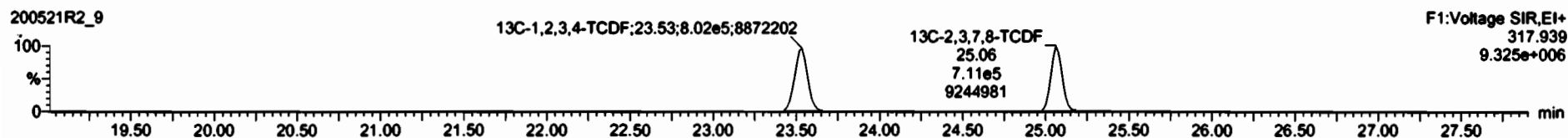
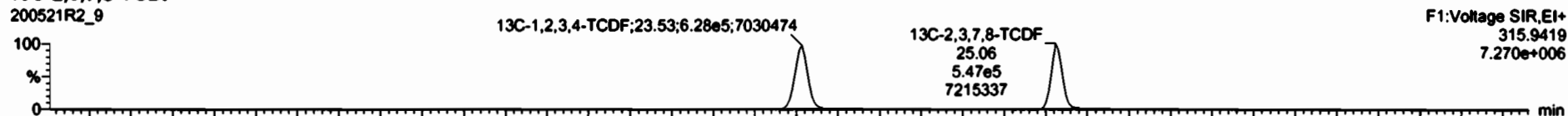
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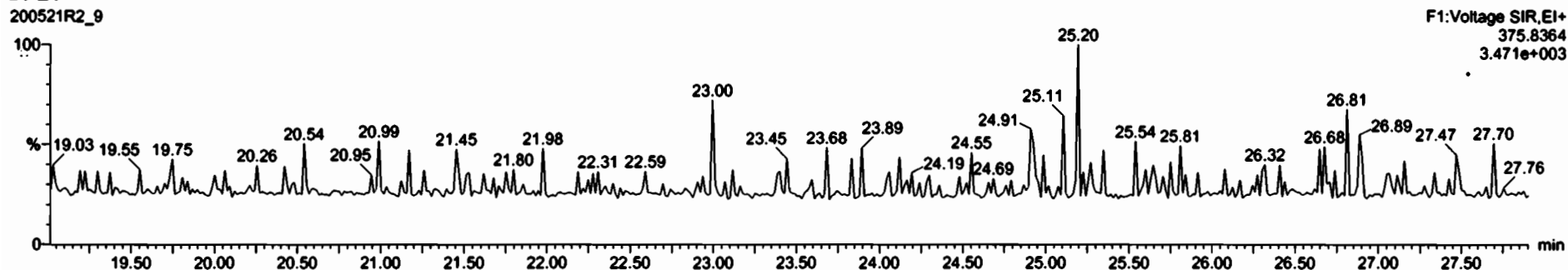
2,3,7,8-TCDF



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

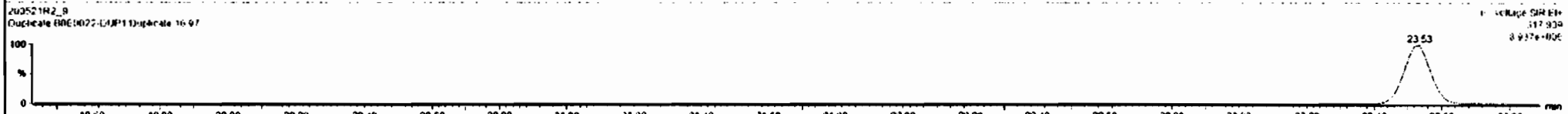
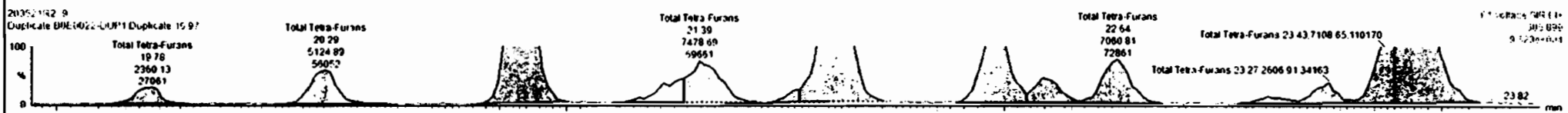
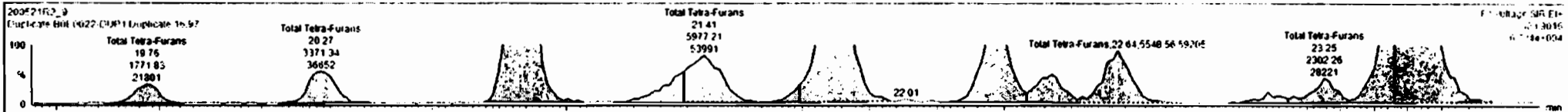


DPE1



#1	Name	Resp	RA	aly	RF	uFrac	RT	BRT	Conc.	%Rec	CL	EMPC
43	Total Tetra-Furans				0.2671	19.894			190			110
44	Total Func. Penta-Furans				0.0102	13.014			36.5		0.0627	36.5

#1	Name	RF	uFrac	RA	aly	EMPC	Conc.
1	Total Tetra-Furans	19.76	1.772e3	2.360e3	0.75	NO	0.83342
2	Total Tetra-Furans	20.27	3.371e2	5.125e3	0.66	NO	1.7137
3	Total Tetra-Furans	20.87	2.020e4	2.650e4	0.75	NO	9.5197
4	Total Tetra-Furans	21.35	2.570e3	3.343e3	0.77	NO	1.1928
5	Total Tetra-Furans	21.41	5.977e3	7.479e3	0.80	NO	2.7141
6	Total Tetra-Furans	21.60	6.510e2	9.364e2	0.70	NO	0.32035
7	Total Tetra-Furans	21.80	2.130e4	2.730e4	0.76	NO	9.8176
8	Total Tetra-Furans	22.29	9.340e2	1.241e4	0.75	NO	4.3897
9	Total Tetra-Furans	22.44	2.921e3	3.706e3	0.75	NO	1.3386
10	Total Tetra-Furans	22.64	5.540e3	7.061e3	0.79	NO	2.5433
11	Total Tetra-Furans	23.09	8.276e2	1.082e3	0.76	NO	0.38525
12	Total Tetra-Furans	23.25	2.302e3	2.607e3	0.68	NO	0.99019
13	Total Tetra-Furans	23.44	5.386e3	7.109e3	0.76	NO	2.5207
14	Total Tetra-Furans	23.55	1.586e4	2.163e4	0.73	NO	7.5685



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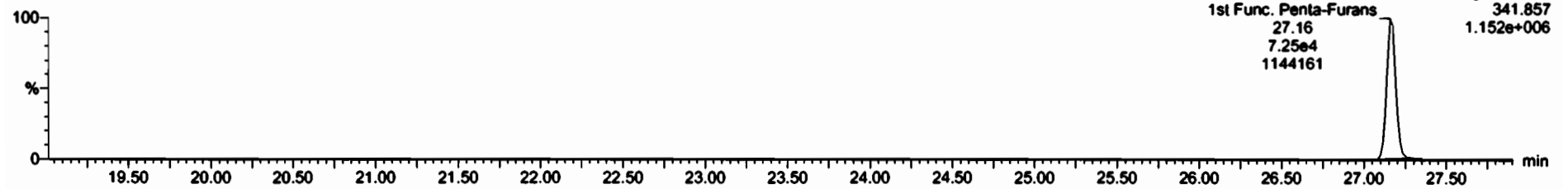
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1st Func. Penta-Furans

200521R2_9

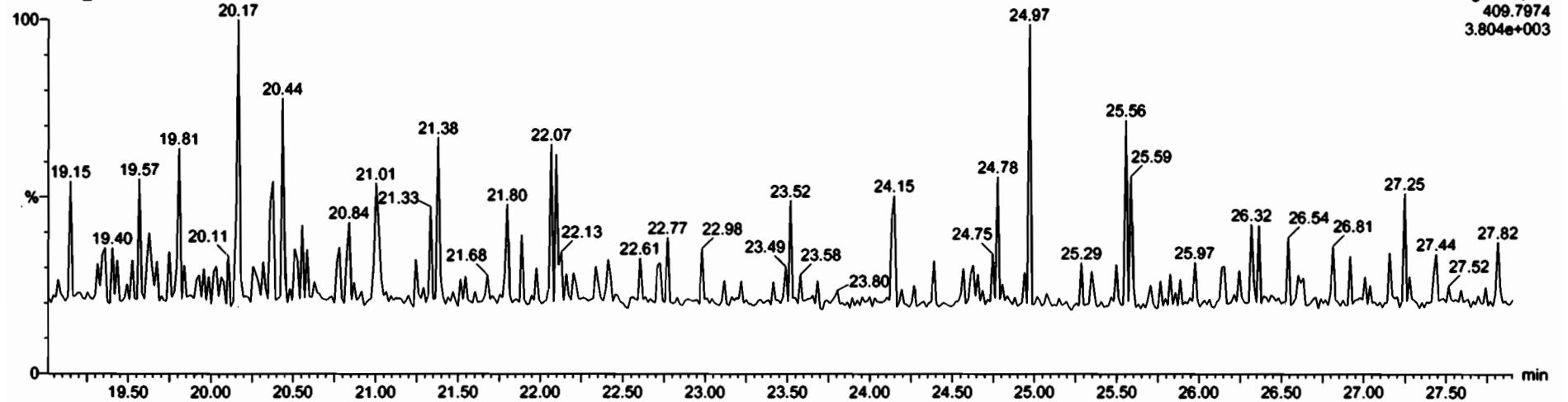


200521R2_9



DPE6

200521R2_9

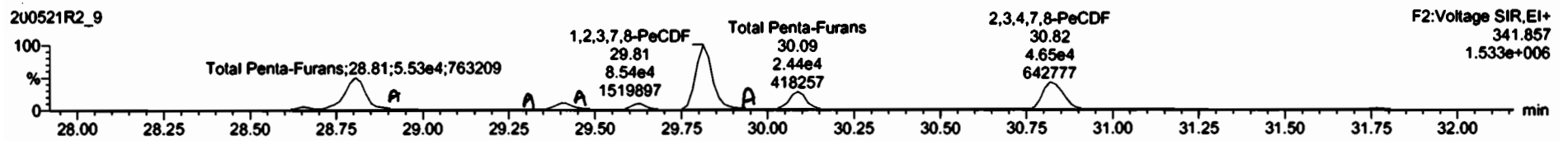
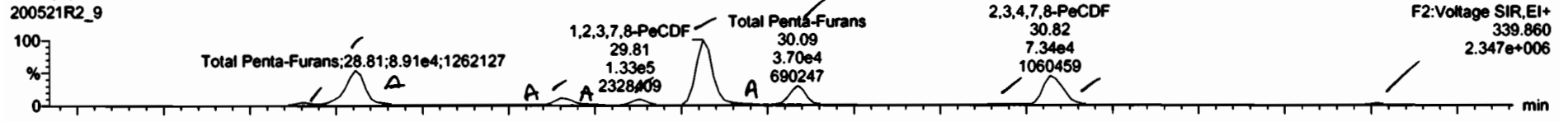


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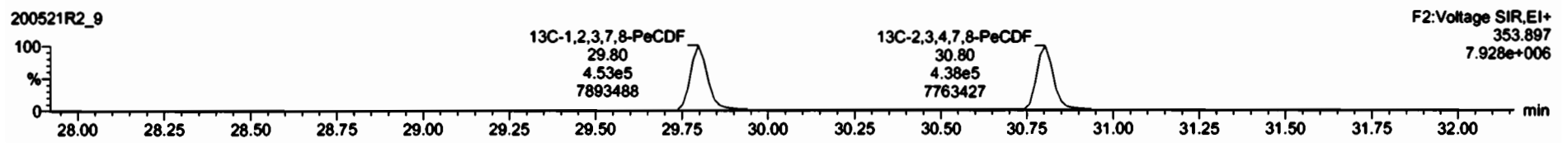
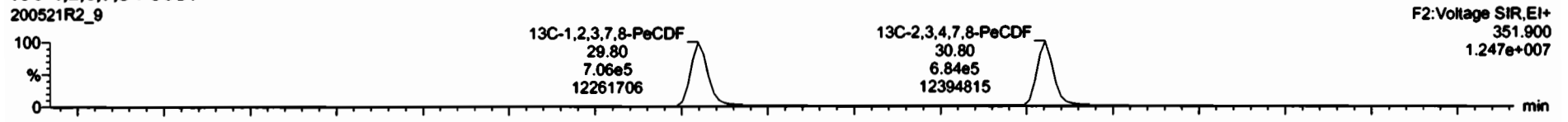
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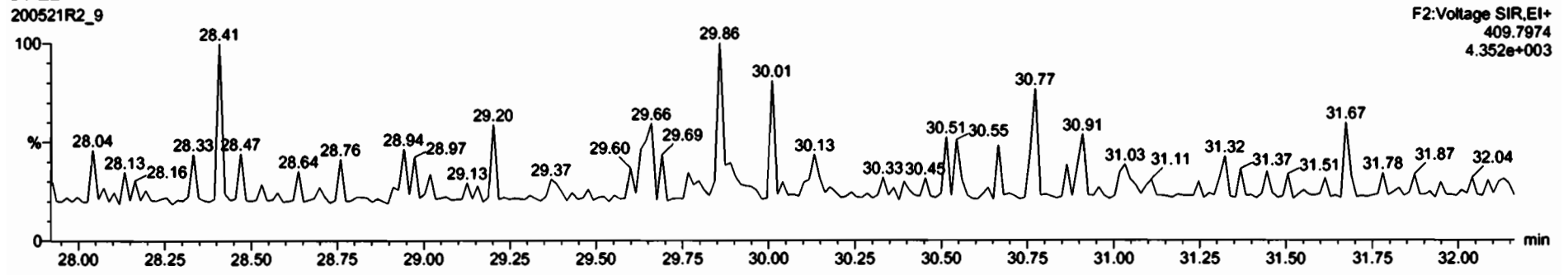
1,2,3,7,8-PeCDF



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



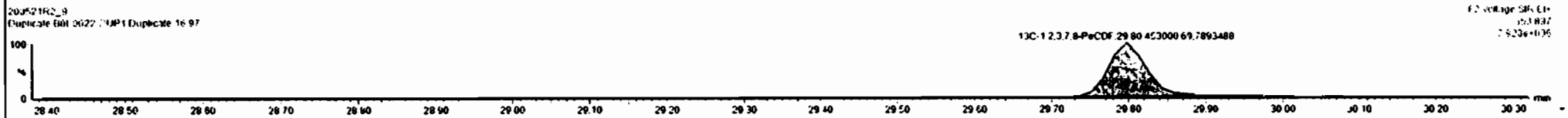
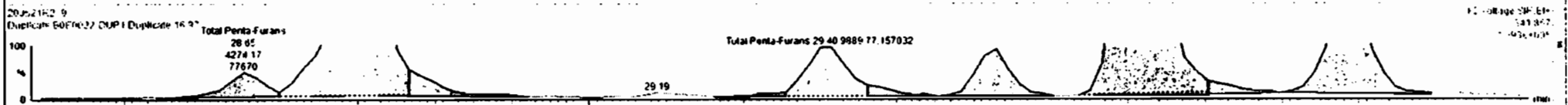
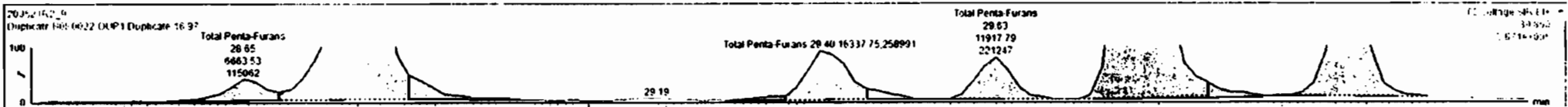
DPE2





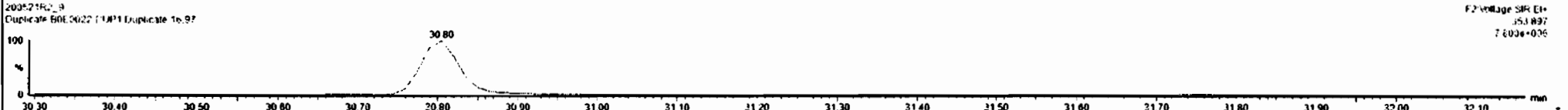
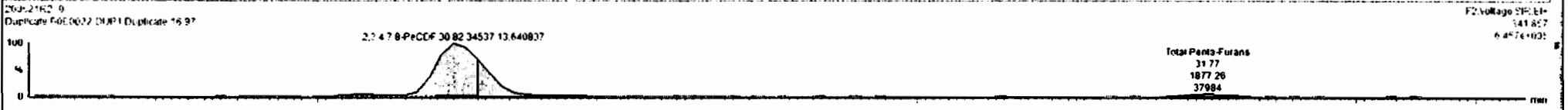
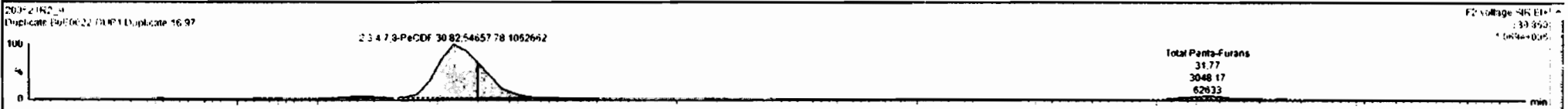
#	Name	Resp	RA	xy	RSP	val	WT	BRT	Conc	%Rec	DL	EMPC
63	Total Tetra-Furans				0.7879	10.014			119		3.165	120
64	Total Func. Penta-Furans				0.0132	13.014			36.5		0.0627	36.5

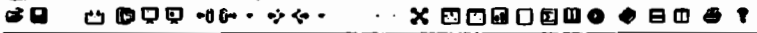
#	Name	RZ	wt Resp	wt Resp	RA	xy	EMPC	Conc
1	Total Penta-Furans	28.65	6.064e3	4.274e3	1.56	NO	2.1043	2.1043
2	Total Penta-Furans	28.61	8.530e+	5.281e+	1.61	NO	26.586	26.588
3	Total Penta-Furans	28.87	5.104e3	3.620e3	1.41	NO	1.6795	1.6795
4	Total Penta-Furans	29.35	0.646e2	6.225e2	1.51	NO	0.3057	0.00000
5	Total Penta-Furans	29.40	1.834e+	0.890e3	1.61	NO	5.0459	0.00000
6	Total Penta-Furans	29.46	2.060e3	1.279e3	1.61	NO	0.64232	0.64232
7	Total Penta-Furans	29.63	1.192e+	7.848e3	1.52	NO	3.0828	3.0828
8	1,2,3,7,8-PeCDF	29.81	1.326e5	8.543e+	1.51	NO	41.251	41.251
9	Total Penta-Furans	29.80	2.594e3	1.707e3	1.52	NO	0.82738	0.82738
10	Total Penta-Furans	30.09	3.790e+	2.441e+	1.54	NO	11.932	11.932
11	Total Penta-Furans	30.70	2.122e3	1.711e3	1.54	ES	0.67151	0.00000
12	1,2,3,4,7,8-PeCDF	30.82	7.336e+	4.648e+	1.58	NO	22.084	22.084
13	Total Penta-Furans	31.11	3.171e2	5.346e2	0.15	ES	0.10035	0.00000
14	Total Penta-Furans	31.77	3.290e3	1.677e3	1.75	NO	0.95404	0.58404



#	Name	Resp	RA	ntj	RPF	uval	RT	RRT	Conc	%Rec	DL	EMPC
43	Total Tetra-Furans				0.7871	10.014			119		0.165	1.20
44	1st Func. Penta-Furans				0.0102	10.014			36.5		0.0627	36.5

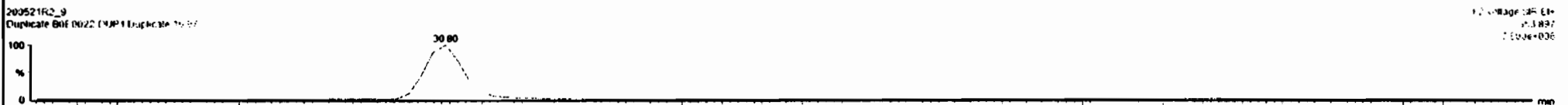
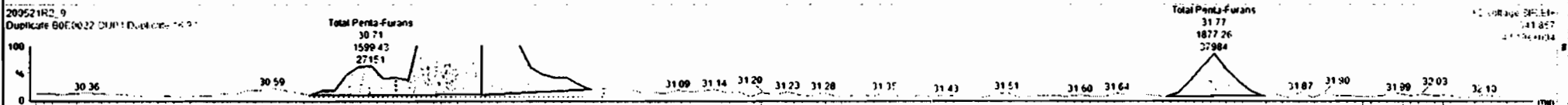
#	Name	RT	net Resp	nd Resp	RA	ntj	EMPC	Conc
1	Total Penta-Furans	28.65	0.664e3	4.274e3	1.68	NO	2.1643	2.1043
2	Total Penta-Furans	28.61	8.538e4	5.281e4	1.62	NO	26.580	26.588
3	Total Penta-Furans	28.87	5.104e3	3.620e3	1.41	NO	1.678E	1.678E
4	Total Penta-Furans	29.35	0.648e2	0.235e2	1.55	NO	0.305e7	0.00000
5	Total Penta-Furans	29.40	1.034e4	0.880e3	1.8E	NO	5.0459	0.00000
6	Total Penta-Furans	29.46	2.060e3	1.279e3	1.61	NO	0.64232	0.64232
7	Total Penta-Furans	29.63	1.192e4	7.048e3	1.52	NO	3.8028	3.8028
8	1,2,3,7,8-PeCDF	29.81	1.329e5	6.543e4	1.5E	NO	41.255	41.25E
9	Total Penta-Furans	29.80	2.594e3	1.707e3	1.52	NO	0.82738	0.82738
10	Total Penta-Furans	30.00	3.788e4	2.441e4	1.54	NO	11.932	11.932
11	Total Penta-Furans	30.70	2.122e3	1.589e3	1.23	NO	0.71588	0.71588
12	2,3,4,7,8-PeCDF	30.82	5.466e4	3.454e4	1.58	NO	16.43E	16.43E
13	Total Penta-Furans	30.85	1.894e4	1.111e4	1.71	NO	5.7807	5.7807
14	Total Penta-Furans	31.77	3.048e3	1.877e3	1.62	NO	0.94760	0.94760





SI	Name	Resp	RA	aly	RUF	uval	RT	BRT	Conc	%Rec	DL	EMPC
43	Total Tetra-Furans				0.7871	10.014			119		0.145	120
44	1st Func. Penta-Furans				0.0102	10.014			36.5		0.0627	36.5

SI	Name	RT	m1 Resp	m2 Resp	RA	aly	EMPC	Conc
1	Total Penta-Furans	28.65	6.564e3	4.274e3	1.56	NO	2.1843	2.1843
2	Total Penta-Furans	28.61	8.539e4	5.281e4	1.82	NO	26.588	26.588
3	Total Penta-Furans	28.87	5.104e3	3.628e3	1.41	NO	1.6785	1.6785
4	Total Penta-Furans	29.35	9.648e2	6.235e2	1.55	NO	0.30517	0.00000
5	Total Penta-Furans	29.40	1.634e4	6.800e3	1.87	NO	5.0459	0.00000
6	Total Penta-Furans	29.46	2.060e3	1.279e3	1.61	NO	0.64232	0.64232
7	Total Penta-Furans	29.63	1.192e4	7.648e3	1.52	NO	3.9828	3.9828
8	1,2,3,7,8-PeCDF	29.81	1.325e5	8.543e4	1.55	NO	41.255	41.255
9	Total Penta-Furans	29.90	2.594e3	1.702e3	1.52	NO	0.82738	0.82738
10	Total Penta-Furans	30.09	2.760e4	2.441e4	1.54	NO	11.832	11.832
11	Total Penta-Furans	30.70	2.122e7	1.599e3	1.73	NO	0.71588	0.71588
12	2,3,4,7,8-PeCDF	30.82	5.866e4	3.454e4	1.58	NO	16.436	16.436
13	Total Penta-Furans	30.85	1.894e4	1.111e4	1.71	NO	5.7887	5.7887
14	Total Penta-Furans	31.77	3.048e2	1.677e3	1.62	NO	0.94768	0.94768

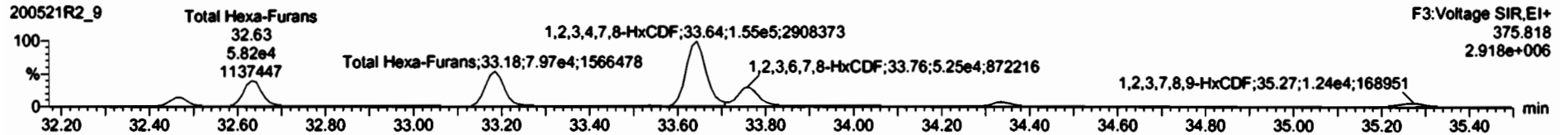
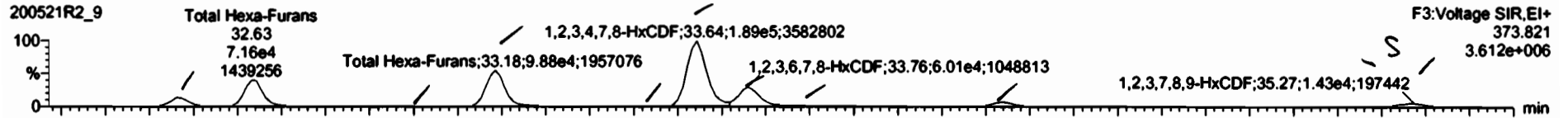


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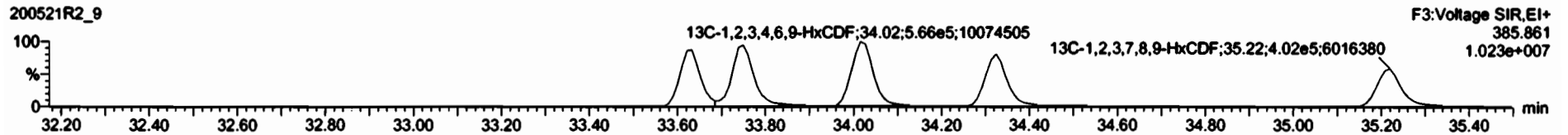
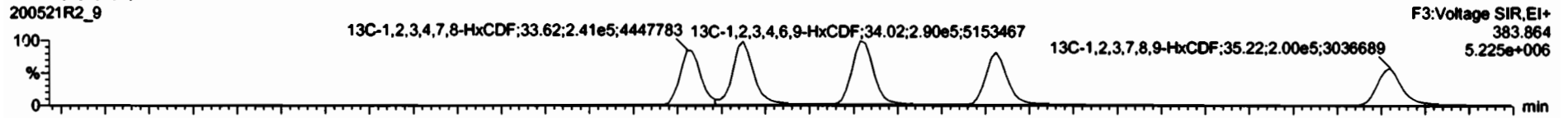
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Name: 200521R2_9, Date: 21-May-2020, Time: 19:15:06, ID: B0E0022-DUP1 Duplicate 16.97, Description: Duplicate

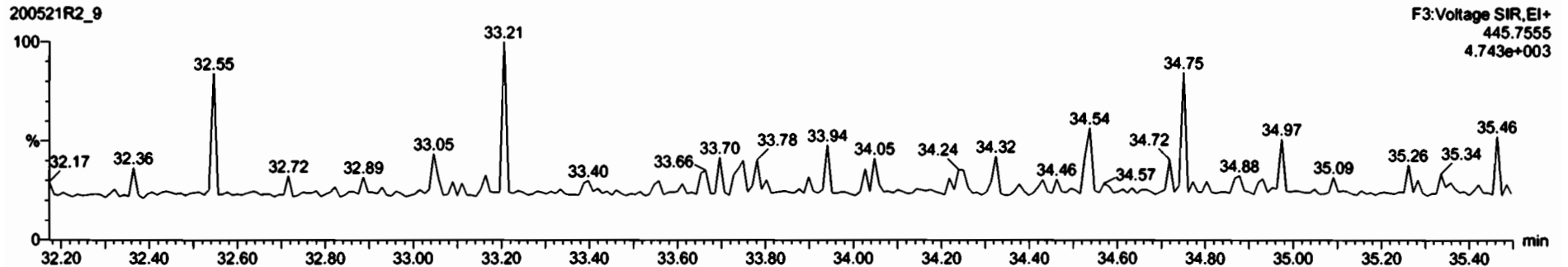
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13C-1,2,3,4,7,8-HxCDF

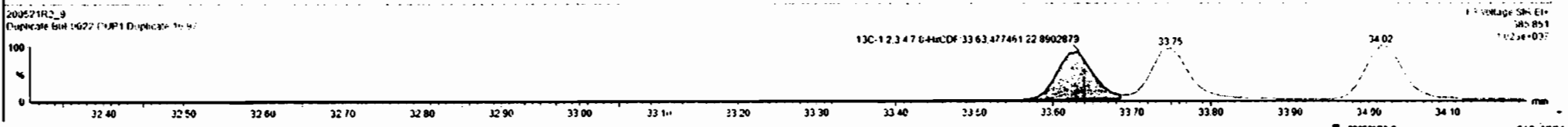
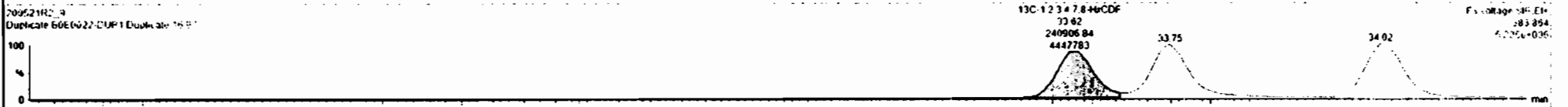
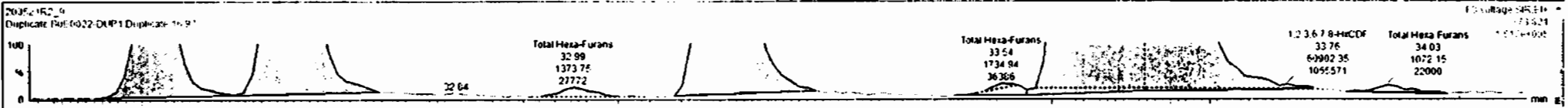


DPE3



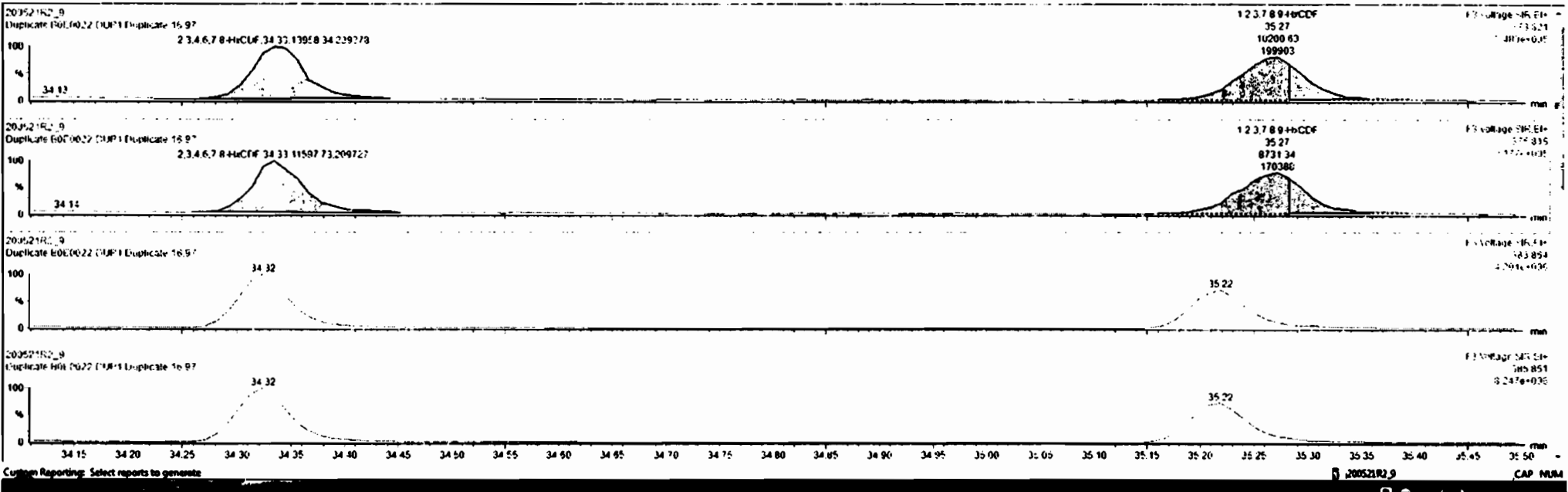
#	Name	Resp	RA	sp	SNP	Method	RT	RRT	Comp	%Rec	DL	EMPC
45	Total Hexa-Furans				0.8217	10.814			290		0.480	250
47	Total Hexa-Furans				0.8712	13.014						

#	Name	RT	wt Resp	nc Resp	RA	sp	EMPC	Comp
1	Total Hexa-Furans	32.46	2.460e4	2.054e4	1.20	NO	13.528	17.528
2	Total Hexa-Furans	32.63	7.162e4	5.819e4	1.27	NO	38.901	46.901
3	Total Hexa-Furans	32.99	1.374e3	1.223e3	1.12	NO	0.77628	0.77828
4	Total Hexa-Furans	33.19	9.875e4	7.967e4	1.24	NO	51.480	51.480
5	Total Hexa-Furans	33.54	1.735e2	1.485e2	1.16	NO	0.66810	0.98810
6	1,2,3,4,7,8-HxCDF	33.64	1.910e5	1.547e5	1.27	NO	109.45	108.45
7	1,2,3,6,7,8-HxCDF	33.76	8.990e4	5.251e4	1.16	NO	30.574	30.574
8	Total Hexa-Furans	34.03	1.072e2	8.391e2	1.26	NO	0.57274	0.57274
9	2,3,4,6,7,8-HxCDF	34.32	1.350e4	1.160e4	1.20	NO	7.6493	7.6493
10	1,2,3,7,8,9-HxCDF	35.27	1.421e4	1.240e4	1.15	NO	10.247	10.247



ID	Name	Resp	RA	ny	RFP	Signal	RT	RRT	Comp.	%Rec	D.	EMPC
46	Total Hexa-Furans				0.8712	10.014			290		0.450	260
47	Total Hepta-Furans											

ID	Name	FW	rel Resp	rel Resp	RA	ny	EMPC	Comp.
1	Total Hexa-Furans	32.46	2.450e4	2.054e4	1.20	HO	11.528	17.528
2	Total Hexa-Furans	32.63	7.172e4	4.819e7	1.25	HO	16.801	4.501
3	Total Hexa-Furans	32.98	1.374e3	1.723e3	1.12	HO	0.77628	0.77629
4	Total Hexa-Furans	33.19	9.875e4	7.967e4	1.24	HO	11.440	17.480
5	Total Hexa-Furans	33.54	1.735e2	1.409e3	1.16	HO	0.98616	0.98619
6	1,2,3,4,7,8-HxCDF	33.64	1.910e5	1.547e5	1.27	HO	109.45	120.41
7	1,2,3,6,7,8-HxCDF	33.78	6.090e4	5.251e4	1.18	HO	10.574	20.574
8	Total Hexa-Furans	34.03	1.072e3	8.391e2	1.28	HO	0.57274	0.57274
9	2,3,4,6,7,8-HxCDF	34.33	1.398e4	1.160e4	1.20	HO	7.6492	7.6491
10	1,2,3,7,8-HxCDF	35.27	1.020e4	8.731e3	1.17	HO	7.2645	7.2644
11	Total Hexa-Furans	35.28	3.956e2	3.477e3	1.14	HO	2.2271	2.2273



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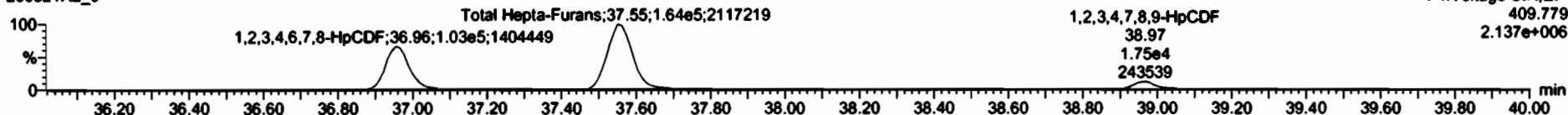
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200521R2_9



200521R2_9

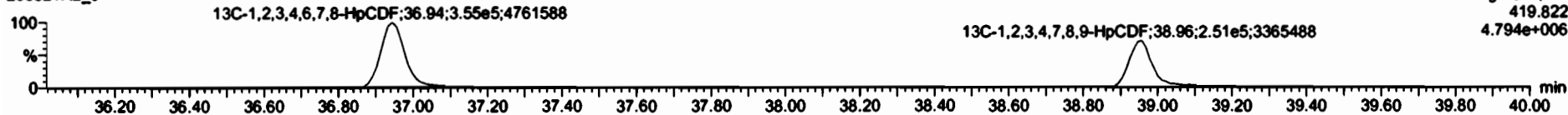


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200521R2_9

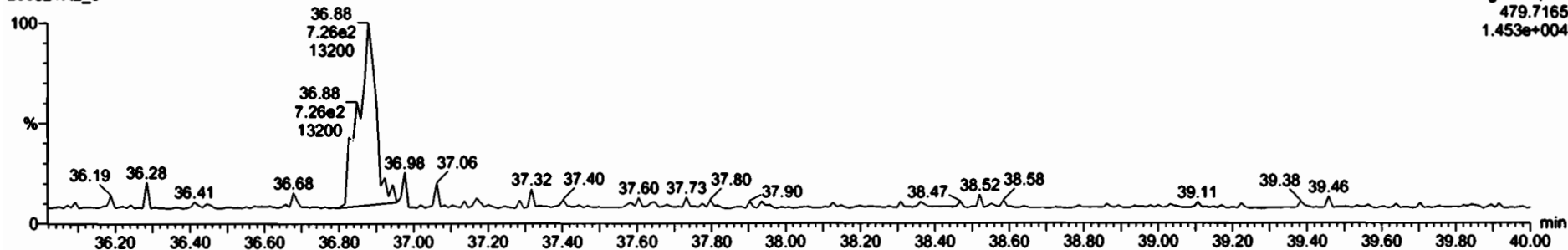


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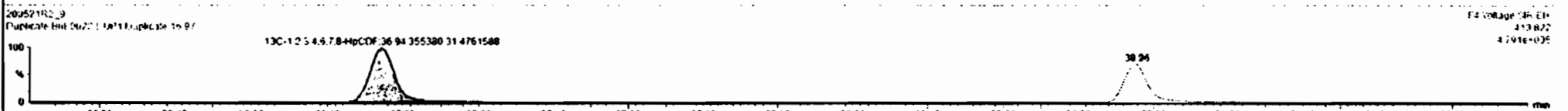
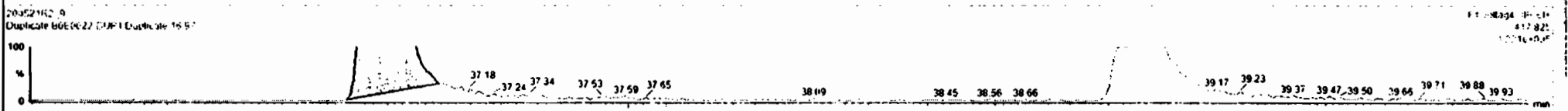
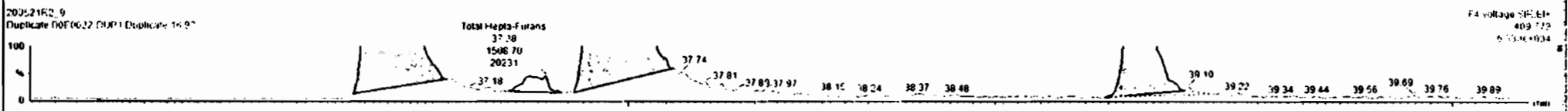
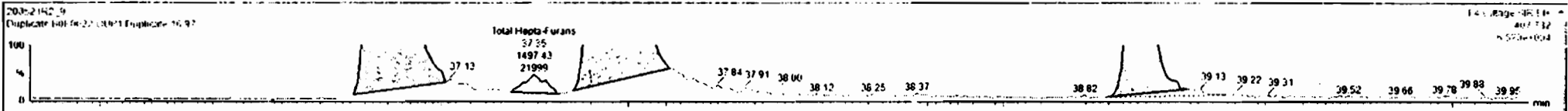
DPE4

200521R2_9



Name	Resp	RA	ny	RF	RF1	RT	RRT	Conc	%Rec	OL	EMPC
46 Total Hexa-Furans				0.9217	10.014			265		0.266	261
47 Total Hepta-Furans				0.8972	88.888			288		6.488	288

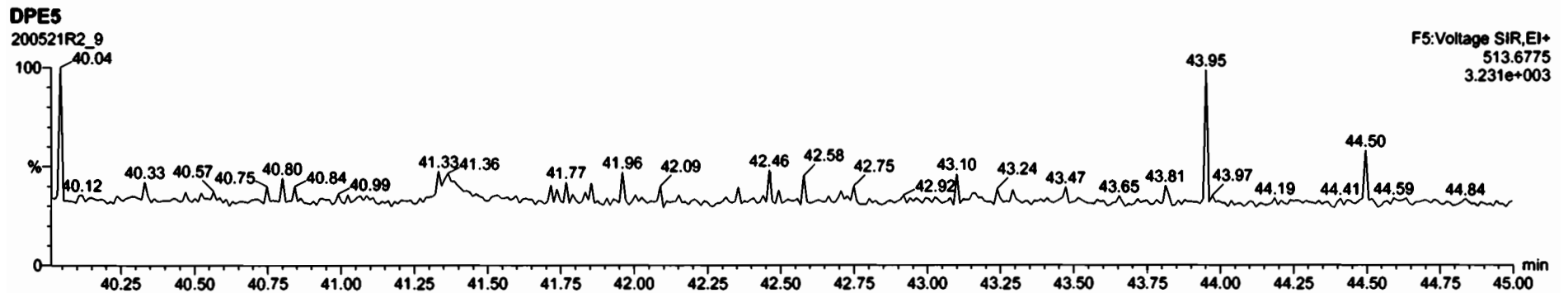
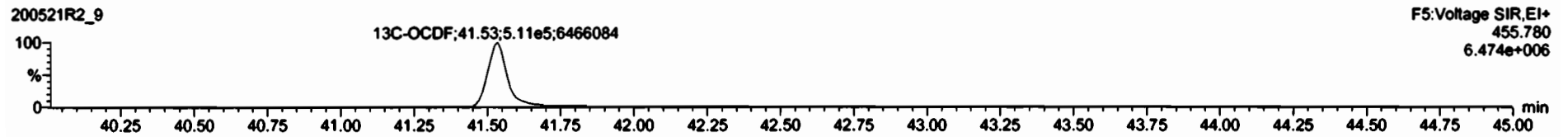
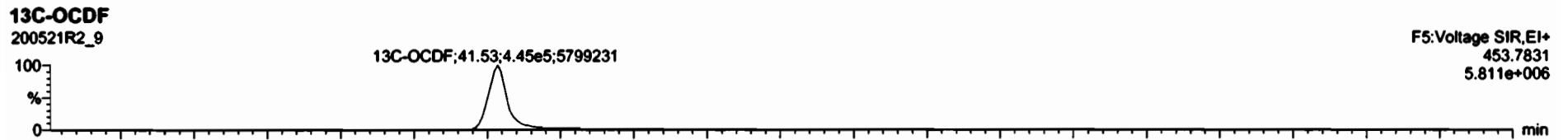
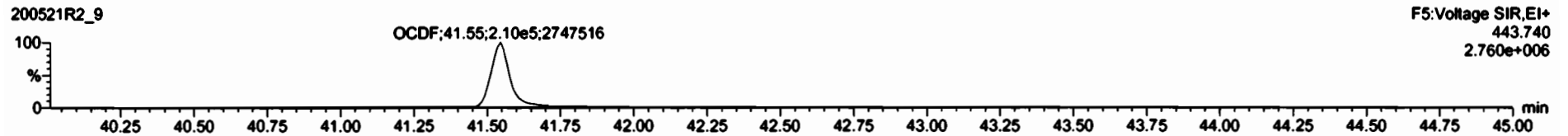
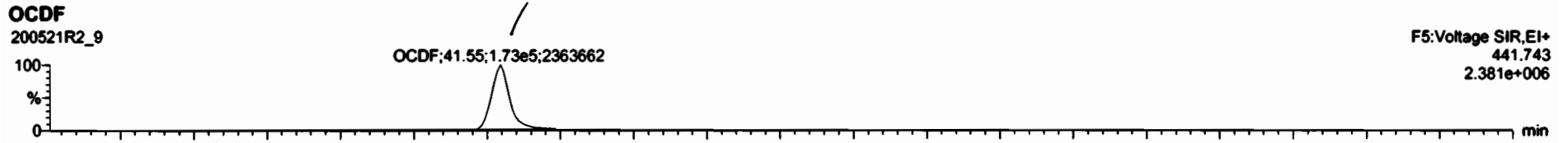
Name	RF	RF1	RF2	RA	ny	EMPC	Conc
1 1,2,3,4,5,7,8-HpCDF	36.96	1.037e2	1.025e2	1.01	NO	51.558	51.558
2 Total Hepta-Furans	37.35	1.467e3	1.509e3	0.95	NO	1.6872	1.9872
3 Total Hepta-Furans	37.55	1.641e5	1.639e5	1.00	NO	175.37	175.37
4 1,2,3,4,7,8-HpCDF	38.97	1.690e4	1.671e4	1.01	NO	12.653	16.653



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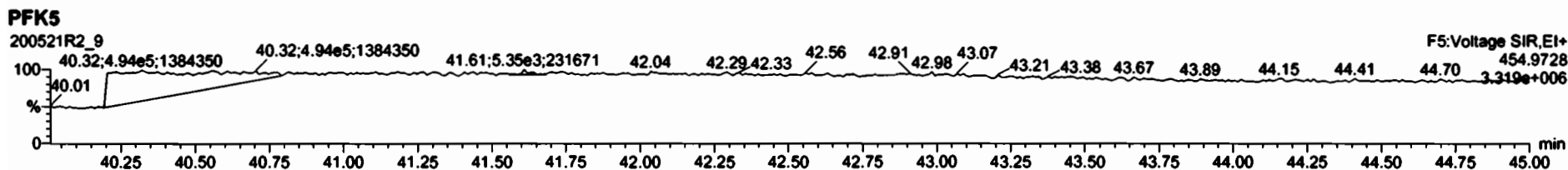
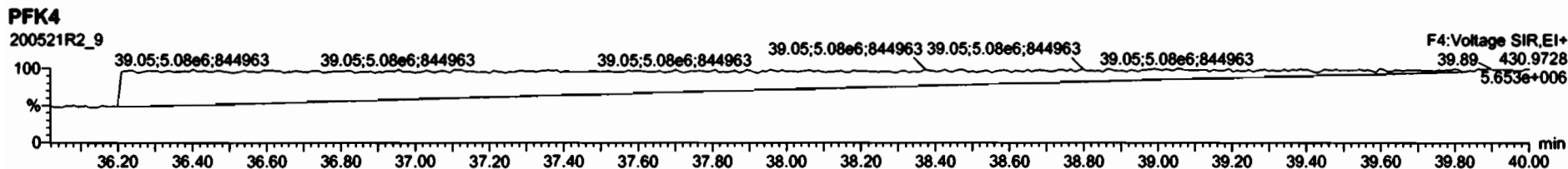
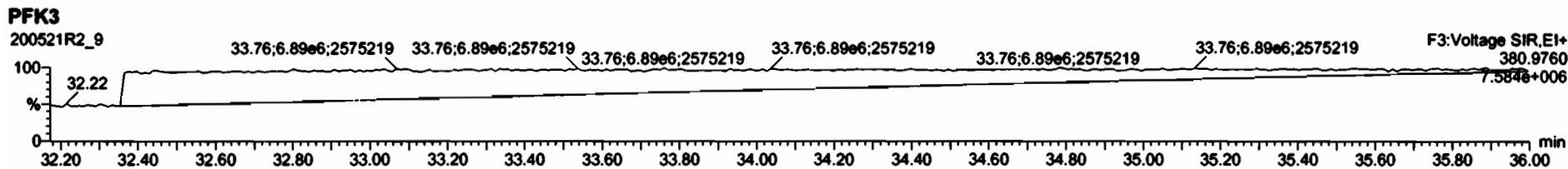
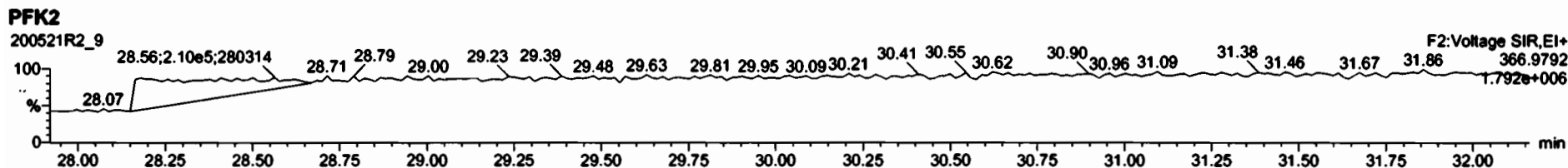
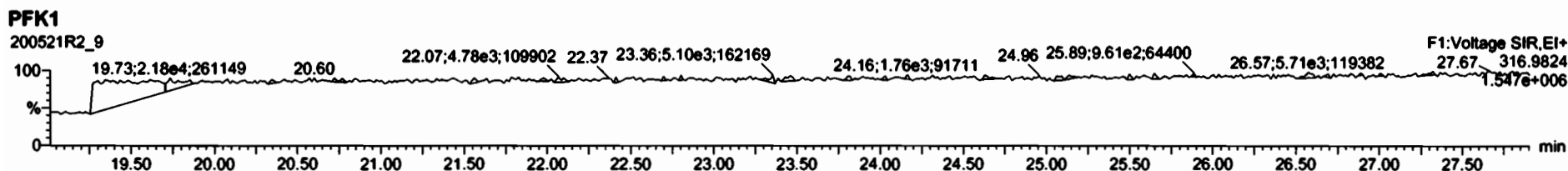
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GPB 05/24/2020
Ct 06/02/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

* SEE DIL.

Name: 200521R2_10, Date: 21-May-2020, Time: 20:01:18, ID: 2000957-11 PDI-147SC-A-13-14-200425 17.29, Description: PDI-147SC-A-13-14-200425

#	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	4.79e3	0.69	NO	0.947	10.006	26.036	26.03	1.001	1.001	1.1729		0.171	1.17
2	2 1,2,3,7,8-PeCDD	1.04e4	0.57	NO	0.942	10.006	31.132	31.13	1.001	1.000	3.3341		0.266	3.33
3	3 1,2,3,4,7,8-HxCDD	3.22e4	1.18	NO	1.06	10.006	34.494	34.49	1.000	1.000	12.393		0.682	12.4
4	4 1,2,3,6,7,8-HxCDD	1.41e5	1.23	NO	0.915	10.006	34.591	34.60	1.000	1.000	50.394		0.716	50.4
5	5 1,2,3,7,8,9-HxCDD	5.91e4	1.27	NO	0.915	10.006	34.867	34.88	1.000	1.001	24.275		0.830	24.3
6	6 1,2,3,4,6,7,8-HpCDD	2.88e6	1.02	NO	0.898	10.006	38.373	38.38	1.000	1.001	1469.3		2.00	1470
7	7 OCDD	1.47e7	0.88	NO	0.933	10.006	41.354	41.37	1.000	1.000	7229.6		1.39	7230
8	8 2,3,7,8-TCDF	2.13e5	0.75	NO	0.787	10.006	25.087	25.09	1.001	1.001	51.869	(49.1)	0.258	51.9
9	9 1,2,3,7,8-PeCDF	1.76e5	1.55	NO	0.910	10.006	29.819	29.81	1.001	1.000	40.634		0.266	40.6
10	10 2,3,4,7,8-PeCDF	9.27e4	1.52	NO	0.966	10.006	30.820	30.82	1.001	1.001	20.977		0.248	21.0
11	11 1,2,3,4,7,8-HxCDF	1.68e5	1.21	NO	0.878	10.006	33.621	33.63	1.000	1.000	63.449		0.353	63.4
12	12 1,2,3,6,7,8-HxCDF	5.02e4	1.19	NO	0.874	10.006	33.749	33.76	1.000	1.001	16.679		0.349	16.7
13	13 2,3,4,6,7,8-HxCDF	1.95e4	1.18	NO	0.922	10.006	34.348	34.33	1.001	1.001	7.1502		0.402	7.15
14	14 1,2,3,7,8,9-HxCDF	1.38e4	1.20	NO	0.864	10.006	35.208	35.26	1.000	1.002	6.1250		0.526	6.12
15	15 1,2,3,4,6,7,8-HpCDF	1.26e5	1.00	NO	0.871	10.006	36.971	36.94	1.001	1.000	66.680		0.486	66.7
16	16 1,2,3,4,7,8,9-HpCDF	1.42e4	0.96	NO	1.01	10.006	38.947	38.96	1.000	1.000	10.844		0.647	10.8
17	17 OCDF	2.04e5	0.91	NO	0.802	10.006	41.535	41.55	1.000	1.000	171.60		0.468	172
18	18 13C-2,3,7,8-TCDD	8.61e5	0.78	NO	1.16	10.006	25.984	26.00	1.026	1.027	141.56	70.8	0.324	
19	19 13C-1,2,3,7,8-PeCDD	6.62e5	0.64	NO	0.847	10.006	31.068	31.11	1.227	1.229	149.00	74.5	0.258	
20	20 13C-1,2,3,4,7,8-HxCDD	4.88e5	1.28	NO	0.750	10.006	34.496	34.48	1.014	1.014	150.22	75.2	0.556	
21	21 13C-1,2,3,6,7,8-HxCDD	6.12e5	1.28	NO	0.963	10.006	34.608	34.59	1.017	1.017	146.74	73.4	0.433	
22	22 13C-1,2,3,7,8,9-HxCDD	5.31e5	1.25	NO	0.838	10.006	34.877	34.86	1.025	1.025	146.50	73.3	0.498	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.37e5	1.05	NO	0.641	10.006	38.367	38.36	1.128	1.128	157.23	78.7	0.390	
24	24 13C-OCDD	8.69e5	0.89	NO	0.586	10.006	41.360	41.35	1.216	1.216	342.33	85.6	0.478	*
25	25 13C-2,3,7,8-TCDF	1.04e6	0.78	NO	1.03	10.006	25.045	25.06	0.989	0.990	138.32	69.2	0.390	
26	26 13C-1,2,3,7,8-PeCDF	9.49e5	1.59	NO	0.845	10.006	29.759	29.80	1.176	1.177	153.85	77.0	0.631	
27	27 13C-2,3,4,7,8-PeCDF	9.14e5	1.58	NO	0.814	10.006	30.749	30.79	1.215	1.216	153.71	76.9	0.655	
28	28 13C-1,2,3,4,7,8-HxCDF	6.02e5	0.50	NO	1.00	10.006	33.635	33.62	0.989	0.988	138.23	69.2	0.501	
29	29 13C-1,2,3,6,7,8-HxCDF	6.88e5	0.50	NO	1.14	10.006	33.757	33.74	0.992	0.992	139.81	69.9	0.443	
30	30 13C-2,3,4,6,7,8-HxCDF	5.91e5	0.52	NO	1.02	10.006	34.326	34.31	1.009	1.009	133.49	66.8	0.493	
31	31 13C-1,2,3,7,8,9-HxCDF	5.21e5	0.50	NO	0.845	10.006	35.217	35.21	1.035	1.035	142.29	71.2	0.596	

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	4.33e5	0.41	NO	0.771	10.006	36.948	36.93	1.086	1.086	129.52	64.8	0.407	
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.59e5	0.42	NO	0.482	10.006	38.959	38.95	1.145	1.145	123.84	62.0	0.651	
34	34 13C-OCDF	5.94e5	0.92	NO	0.669	10.006	41.530	41.53	1.221	1.221	205.01	51.3	0.289	
35	35 37Cl-2,3,7,8-TCDD	3.64e5			1.10	10.006	26.015	26.02	1.028	1.028	63.102	78.9	0.107	
36	36 13C-1,2,3,4-TCDD	1.05e6	0.79	NO	1.00	10.006	25.350	25.32	1.000	1.000	199.87	100	0.376	
37	37 13C-1,2,3,4-TCDF	1.46e6	0.79	NO	1.00	10.006	23.560	23.53	1.000	1.000	199.87	100	0.404	
38	38 13C-1,2,3,4,6,9-HxCDF	8.66e5	0.51	NO	1.00	10.006	34.000	34.02	1.000	1.000	199.87	100	0.504	
39	39 Total Tetra-Dioxins				0.947	10.006	24.620		0.000		13.783		0.171	13.8
40	40 Total Penta-Dioxins				0.942	10.006	29.960		0.000		68.265		0.266	74.0
41	41 Total Hexa-Dioxins				0.915	10.006	33.635		0.000		1233.5		0.776	1230
42	42 Total Hepta-Dioxins				0.898	10.006	37.640		0.000		3785.4		2.00	3790
43	43 Total Tetra-Furans				0.787	10.006	23.610		0.000		180.09		0.258	180
44	44 1st Func. Penta-Furans				0.910	10.006	27.090		0.000		31.252		0.0692	31.3
45	45 Total Penta-Furans				0.910	10.006	29.275		0.000		104.67		0.265	146
46	46 Total Hexa-Furans				0.922	10.006	33.555		0.000		185.53		0.385	186
47	47 Total Hepta-Furans				0.871	10.006	37.835		0.000		223.18		0.585	223

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-10.qld
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Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200521R2_10, Date: 21-May-2020, Time: 20:01:18, ID: 2000957-11 PDI-147SC-A-13-14-200425 17.29, Description: PDI-147SC-A-13-14-200425

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	21.81	6.571e4	8.890e4	6.618e3	8.492e3	0.78	NO	1.511e4	3.7027	3.7027	0.171
2	Total Tetra-Dioxins	22.25	3.455e4	4.678e4	3.193e3	4.281e3	0.75	NO	7.474e3	1.8314	1.8314	0.171
3	Total Tetra-Dioxins	22.74	1.444e4	1.513e4	1.211e3	1.610e3	0.75	NO	2.820e3	0.69114	0.69114	0.171
4	Total Tetra-Dioxins	23.72	1.070e4	1.273e4	7.755e2	1.057e3	0.73	NO	1.833e3	0.44914	0.44914	0.171
5	Total Tetra-Dioxins	23.98	1.248e4	1.849e4	1.213e3	1.829e3	0.66	NO	3.042e3	0.74535	0.74535	0.171
6	Total Tetra-Dioxins	24.24	2.626e4	3.589e4	2.305e3	2.804e3	0.82	NO	5.109e3	1.2520	1.2520	0.171
7	Total Tetra-Dioxins	24.46	7.927e3	1.306e4	7.098e2	8.486e2	0.84	NO	1.558e3	0.38190	0.38190	0.171
8	Total Tetra-Dioxins	24.73	7.315e3	9.092e3	5.230e2	7.511e2	0.70	NO	1.274e3	0.31221	0.31221	0.171
9	Total Tetra-Dioxins	24.93	9.239e3	1.400e4	6.970e2	1.047e3	0.67	NO	1.744e3	0.42735	0.42735	0.171
10	Total Tetra-Dioxins	25.33	7.810e3	1.051e4	7.064e2	8.376e2	0.84	NO	1.544e3	0.37835	0.37835	0.171
11	Total Tetra-Dioxins	25.75	4.678e4	6.965e4	3.701e3	4.964e3	0.75	NO	8.665e3	2.1234	2.1234	0.171
12	2,3,7,8-TCDD	26.03	3.088e4	4.012e4	1.957e3	2.830e3	0.69	NO	4.786e3	1.1729	1.1729	0.171
13	Total Tetra-Dioxins	26.35	1.113e4	1.397e4	5.207e2	7.670e2	0.68	NO	1.288e3	0.31556	0.31556	0.171

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.84	4.655e5	8.303e5	3.995e4	6.665e4	0.60	NO	1.066e5	34.143	34.143	0.266
2	Total Penta-Dioxins	29.34	1.566e5	2.662e5	8.895e3	1.487e4	0.60	NO	2.376e4	7.6112	7.6112	0.266
3	Total Penta-Dioxins	29.84	1.943e5	3.433e5	1.176e4	2.026e4	0.58	NO	3.203e4	10.258	10.258	0.266
4	Total Penta-Dioxins	30.03	9.639e4	1.657e5	5.891e3	1.003e4	0.59	NO	1.592e4	5.1000	5.1000	0.266
5	Total Penta-Dioxins	30.12	1.015e5	1.642e5	6.034e3	9.874e3	0.61	NO	1.591e4	5.0956	5.0956	0.266
6	Total Penta-Dioxins	30.33	8.829e4	1.514e5	4.454e3	6.833e3	0.65	NO	0.000e0	0.00000	3.6154	0.266
7	Total Penta-Dioxins	30.38	5.738e4	9.053e4	2.573e3	3.900e3	0.66	NO	0.000e0	0.00000	2.0734	0.266
8	Total Penta-Dioxins	30.70	1.442e4	2.745e4	8.654e2	1.484e3	0.58	NO	2.349e3	0.75248	0.75248	0.266
9	1,2,3,7,8-PeCDD	31.13	6.596e4	1.214e5	3.788e3	6.621e3	0.57	NO	1.041e4	3.3341	3.3341	0.266
10	Total Penta-Dioxins	31.20	2.912e4	4.284e4	1.552e3	2.239e3	0.69	NO	3.791e3	1.2144	1.2144	0.266
11	Total Penta-Dioxins	31.51	1.625e4	2.531e4	8.460e2	1.513e3	0.56	NO	2.359e3	0.75570	0.75570	0.266

Vista Analytical Laboratory

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Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.01	1.830e7	1.484e7	9.384e5	7.647e5	1.23	NO	1.703e6	684.44	684.44	0.776
2	Total Hexa-Dioxins	33.57	1.147e6	9.588e5	6.188e4	5.040e4	1.23	NO	1.123e5	45.122	45.122	0.776
3	Total Hexa-Dioxins	33.82	7.329e6	5.889e6	5.140e5	4.148e5	1.24	NO	9.289e5	373.28	373.28	0.776
4	Total Hexa-Dioxins	33.93	5.944e5	4.530e5	4.379e4	3.208e4	1.37	NO	7.588e4	30.493	30.493	0.776
5	1,2,3,4,7,8-HxCDD	34.49	3.396e5	2.742e5	1.743e4	1.476e4	1.18	NO	3.219e4	12.393	12.393	0.682
6	1,2,3,6,7,8-HxCDD	34.60	1.289e6	1.022e6	7.791e4	6.323e4	1.23	NO	1.411e5	50.394	50.394	0.716
7	Total Hexa-Dioxins	34.78	3.161e5	2.470e5	1.823e4	1.440e4	1.27	NO	3.263e4	13.115	13.115	0.776
8	1,2,3,7,8,9-HxCDD	34.88	4.802e5	3.799e5	3.299e4	2.607e4	1.27	NO	5.906e4	24.275	24.275	0.830

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.34	3.041e7	2.988e7	2.288e6	2.257e6	1.01	NO	4.546e6	2316.1	2316.1	2.00
2	1,2,3,4,6,7,8-HpCDD	38.38	1.836e7	1.802e7	1.457e6	1.426e6	1.02	NO	2.884e6	1469.3	1469.3	2.00

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-10.qld

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13, ID: 29 Name: 200521R2-10.qld, Date: 24-May-2020, Time: 20:51:48, PDI-147SC-A-13-14-200425 17.29, Description: PDI-147SC-A-13-14-200425

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	19.78	1.343e4	2.201e4	1.317e3	1.691e3	0.78	NO	3.007e3	0.73082	0.73082	0.258
2	Total Tetra-Furans	20.29	3.038e4	4.224e4	2.710e3	3.781e3	0.72	NO	6.491e3	1.5774	1.5774	0.258
3	Total Tetra-Furans	20.87	2.010e5	2.555e5	1.751e4	2.270e4	0.77	NO	4.021e4	9.7711	9.7711	0.258
4	Total Tetra-Furans	21.33	2.651e4	3.391e4	2.105e3	2.835e3	0.74	NO	4.940e3	1.2006	1.2006	0.258
5	Total Tetra-Furans	21.39	3.632e4	5.479e4	4.253e3	6.105e3	0.70	NO	1.036e4	2.5173	2.5173	0.258
6	Total Tetra-Furans	21.80	3.015e5	3.961e5	2.894e4	3.726e4	0.78	NO	6.619e4	16.087	16.087	0.258
7	Total Tetra-Furans	22.26	8.803e4	1.215e5	8.545e3	1.177e4	0.73	NO	2.032e4	4.9377	4.9377	0.258
8	Total Tetra-Furans	22.44	2.979e4	3.810e4	2.626e3	3.541e3	0.74	NO	6.167e3	1.4988	1.4988	0.258
9	Total Tetra-Furans	22.64	5.225e4	6.540e4	4.858e3	6.463e3	0.75	NO	1.132e4	2.7514	2.7514	0.258
10	Total Tetra-Furans	23.10	8.531e3	1.244e4	7.823e2	1.150e3	0.68	NO	1.932e3	0.46955	0.46955	0.258
11	Total Tetra-Furans	23.24	2.175e4	2.516e4	2.143e3	2.635e3	0.81	NO	4.778e3	1.1612	1.1612	0.258
12	Total Tetra-Furans	23.44	6.455e4	7.911e4	4.002e3	5.384e3	0.74	NO	9.386e3	2.2812	2.2812	0.258
13	Total Tetra-Furans	23.53	1.177e5	1.599e5	1.370e4	1.779e4	0.77	NO	3.149e4	7.6535	7.6535	0.258
14	Total Tetra-Furans	24.09	1.142e6	1.514e6	9.667e4	1.322e5	0.73	NO	2.289e5	55.625	55.625	0.258
15	Total Tetra-Furans	24.21	3.177e4	4.448e4	3.044e3	4.061e3	0.75	NO	7.105e3	1.7267	1.7267	0.258
16	Total Tetra-Furans	24.40	4.248e4	5.643e4	3.820e3	5.046e3	0.76	NO	8.866e3	2.1546	2.1546	0.258
17	Total Tetra-Furans	24.60	1.373e4	1.718e4	1.219e3	1.755e3	0.69	NO	2.974e3	0.72268	0.72268	0.258
18	Total Tetra-Furans	24.84	1.433e4	1.940e4	9.127e2	1.219e3	0.75	NO	2.131e3	0.51797	0.51797	0.258
19	Total Tetra-Furans	24.97	1.234e5	1.534e5	8.105e3	1.028e4	0.79	NO	1.838e4	4.4679	4.4679	0.258
20	2,3,7,8-TCDF	25.09	1.166e6	1.560e6	9.165e4	1.218e5	0.75	NO	2.134e5	51.869	51.869	0.258
21	Total Tetra-Furans	25.20	2.118e4	3.032e4	1.923e3	2.202e3	0.87	NO	4.126e3	1.0026	1.0026	0.258
22	Total Tetra-Furans	25.48	7.968e4	9.472e4	6.040e3	7.363e3	0.82	NO	1.340e4	3.2574	3.2574	0.258
23	Total Tetra-Furans	25.72	1.101e4	1.622e4	7.998e2	1.198e3	0.67	NO	1.998e3	0.48549	0.48549	0.258
24	Total Tetra-Furans	27.17	1.599e5	1.982e5	9.769e3	1.337e4	0.73	NO	2.314e4	5.6242	5.6242	0.258

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	27.16	1.256e6	7.489e5	8.201e4	5.057e4	1.62	NO	1.326e5	31.252	31.252	0.0692

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Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.65	1.171e5	7.331e4	7.021e3	4.476e3	1.57	NO	1.150e4	2.7102	2.7102	0.265
2	Total Penta-Furans	28.81	1.302e6	8.503e5	8.255e4	5.285e4	1.56	NO	0.000e0	0.00000	31.916	0.265
3	Total Penta-Furans	28.85	1.736e5	1.104e5	6.821e3	3.962e3	1.72	NO	0.000e0	0.00000	2.5418	0.265
4	Total Penta-Furans	29.40	2.434e5	1.563e5	1.443e4	9.510e3	1.52	NO	0.000e0	0.00000	5.6420	0.265
5	Total Penta-Furans	29.45	7.365e4	3.744e4	2.282e3	1.550e3	1.47	NO	0.000e0	0.00000	0.90312	0.265
6	Total Penta-Furans	29.61	3.055e5	2.168e5	1.745e4	1.166e4	1.50	NO	2.911e4	6.8617	6.8617	0.265
7	1,2,3,7,8-PeCDF	29.81	1.887e6	1.210e6	1.068e5	6.888e4	1.55	NO	1.757e5	40.634	40.634	0.266
8	Total Penta-Furans	29.87	1.246e5	6.604e4	3.705e3	2.332e3	1.59	NO	6.037e3	1.4231	1.4231	0.265
9	Total Penta-Furans	30.07	8.771e5	5.610e5	5.257e4	3.329e4	1.58	NO	8.586e4	20.238	20.238	0.265
10	Total Penta-Furans	30.70	3.657e4	2.115e4	2.050e3	1.178e3	1.74	NO	3.228e3	0.76088	0.76088	0.265
11	2,3,4,7,8-PeCDF	30.82	1.153e6	7.611e5	5.584e4	3.684e4	1.52	NO	9.268e4	20.977	20.977	0.248
12	Total Penta-Furans	30.83	9.891e5	6.024e5	2.494e4	1.515e4	1.65	NO	4.009e4	9.4506	9.4506	0.265
13	Total Penta-Furans	31.77	6.581e4	4.382e4	4.253e3	2.578e3	1.65	NO	6.832e3	1.6103	1.6103	0.265

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.46	3.453e5	2.999e5	1.768e4	1.494e4	1.18	NO	3.262e4	11.780	11.780	0.385
2	Total Hexa-Furans	32.63	1.006e6	8.329e5	5.100e4	4.250e4	1.20	NO	9.351e4	33.769	33.769	0.385
3	Total Hexa-Furans	32.99	2.757e4	2.103e4	1.524e3	1.374e3	1.11	NO	2.898e3	1.0465	1.0465	0.385
4	Total Hexa-Furans	33.17	1.299e6	1.050e6	6.560e4	5.366e4	1.22	NO	1.193e5	43.071	43.071	0.385
5	Total Hexa-Furans	33.53	3.679e4	3.157e4	1.844e3	1.692e3	1.09	NO	3.536e3	1.2769	1.2769	0.385
6	1,2,3,4,7,8-HxCDF	33.63	1.764e6	1.437e6	9.177e4	7.597e4	1.21	NO	1.677e5	63.449	63.449	0.353
7	1,2,3,6,7,8-HxCDF	33.76	4.537e5	3.805e5	2.730e4	2.291e4	1.19	NO	5.021e4	16.679	16.679	0.349
8	2,3,4,6,7,8-HxCDF	34.33	1.874e5	1.571e5	1.055e4	8.944e3	1.18	NO	1.949e4	7.1502	7.1502	0.402
9	1,2,3,7,8,9-HxCDF	35.26	1.433e5	1.180e5	7.517e3	6.271e3	1.20	NO	1.379e4	6.1250	6.1250	0.526
10	Total Hexa-Furans	35.28	9.286e4	6.543e4	1.888e3	1.401e3	1.35	NO	3.289e3	1.1877	1.1877	0.385

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157: ID: 200521R2-10, Date: 24-May-2020, Time: 00:51:43, RI: 199057-11, SN: 14756-A-13-14-200425 17.29, Description: RDI-14756-A-13-14-200425

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1.2.3.4.6.7.8-HpCDF	36.94	8.838e5	8.467e5	6.296e4	6.280e4	1.00	NO	1.258e5	66.680	66.680	0.486
Total Hepta-Furans	37.35	3.682e4	3.502e4	2.323e3	2.406e3	0.97	NO	4.729e3	3.1383	3.1383	0.585
Total Hepta-Furans	37.55	1.389e6	1.385e6	1.080e5	1.068e5	1.01	NO	2.147e5	142.51	142.51	0.585
1.2.3.4.7.8.9-HpCDF	38.96	1.110e5	1.066e5	6.968e3	7.230e3	0.96	NO	1.420e4	10.844	10.844	0.647

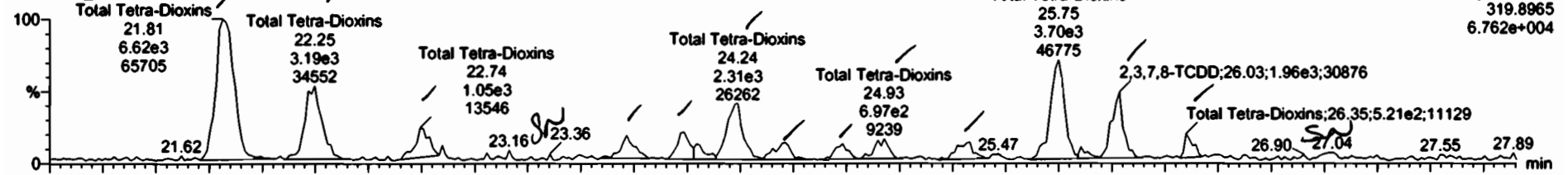
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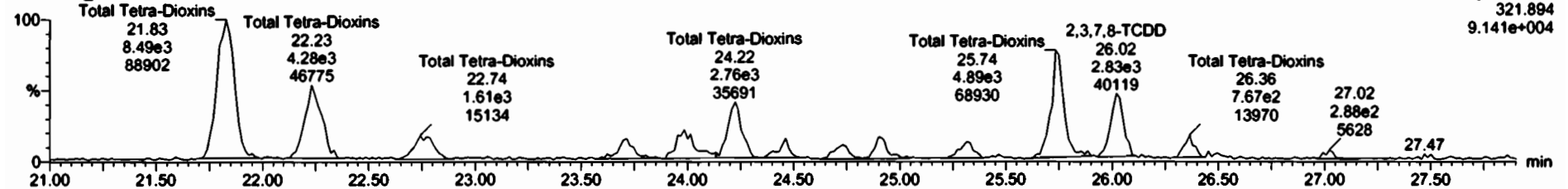
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2,3,7,8-TCDD

200521R2_10

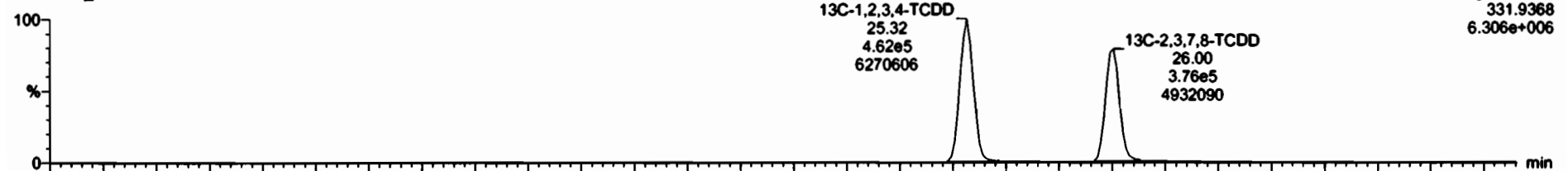


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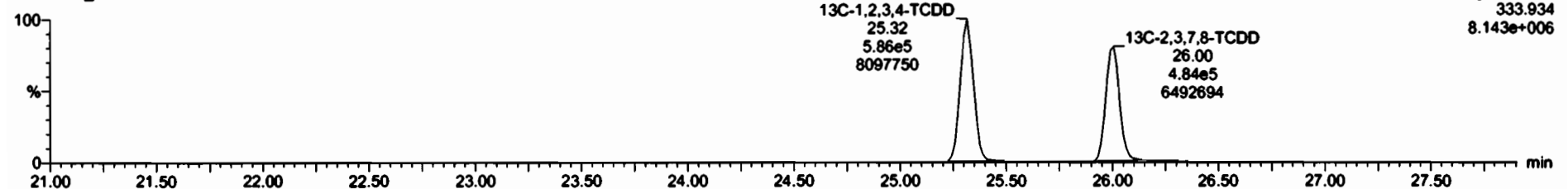


13C-2,3,7,8-TCDD

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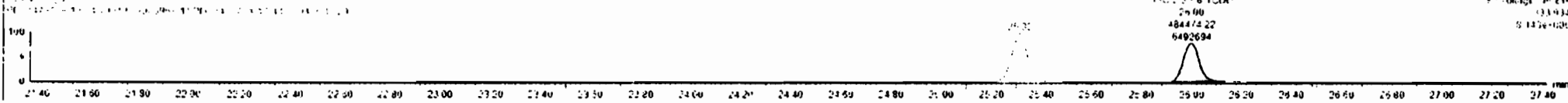
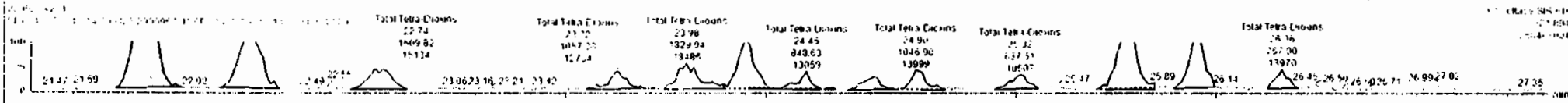
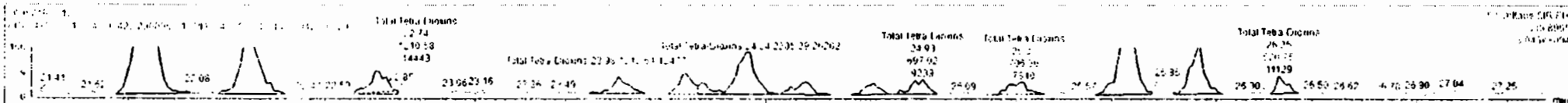


200521R2_10



#	Name	Resp	RA	ry	RRF	RRF	RT	RRT	Conc	%Rec	DL	EMPC
39	Total Tetra-Chlorins				0.0075	10.000			13.0		0.170	13.0
40	Total Penta-Chlorins								22.0		0.264	22.0

#	Name	RT	Int Resp	Int Resp	RA	ry	EMPC	Conc
1	Total Tetra-Chlorins	21.51	1.211e7	1.211e7	0.78	No	177077	70277
2	Total Tetra-Chlorins	21.71	1.131e7	1.131e7	0.73	No	170314	68214
3	Total Tetra-Chlorins	22.74	1.211e7	1.211e7	0.78	No	0.69314	0.69314
4	Total Tetra-Chlorins	22.72	1.131e7	1.131e7	0.73	No	1.44.11	0.44914
5	Total Tetra-Chlorins	23.56	1.211e7	1.211e7	0.78	No	1.74505	0.74535
6	Total Tetra-Chlorins	24.24	1.101e7	1.101e7	0.72	No	1.2520	1.2520
7	Total Tetra-Chlorins	24.46	1.254e7	1.254e7	0.74	No	0.30190	0.30190
8	Total Tetra-Chlorins	24.73	1.131e7	1.131e7	0.73	No	1.712.1	0.1121
9	Total Tetra-Chlorins	24.93	1.131e7	1.131e7	0.73	No	0.42735	0.42735
10	Total Tetra-Chlorins	25.21	1.131e7	1.131e7	0.73	No	0.1170	0.1170
11	Total Tetra-Chlorins	25.71	1.131e7	1.131e7	0.73	No	1.1.4	1.1234
12	Total Tetra-Chlorins	26.03	1.131e7	1.131e7	0.73	No	1.726	1.726
13	Total Tetra-Chlorins	26.21	1.207e7	1.207e7	0.73	No	0.17156	0.17156

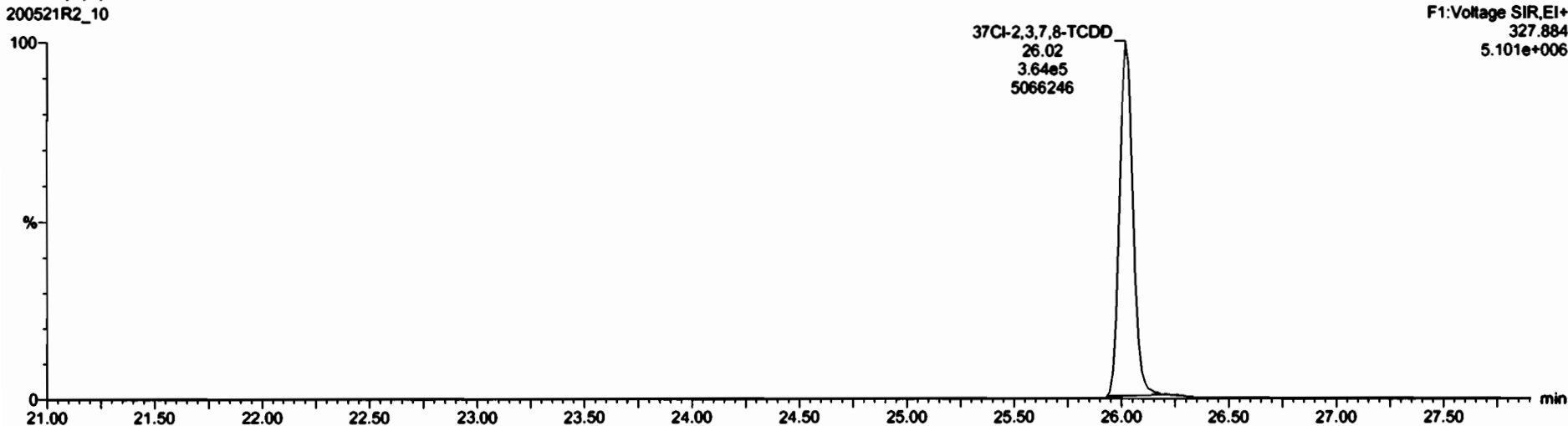


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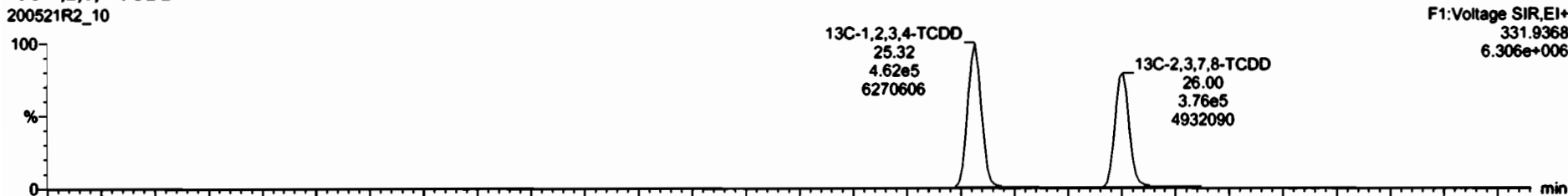
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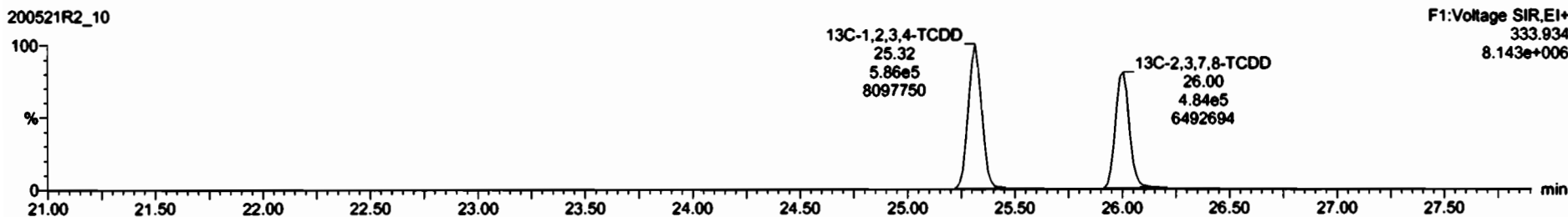
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13C-1,2,3,4-TCDD
200521R2_10



200521R2_10



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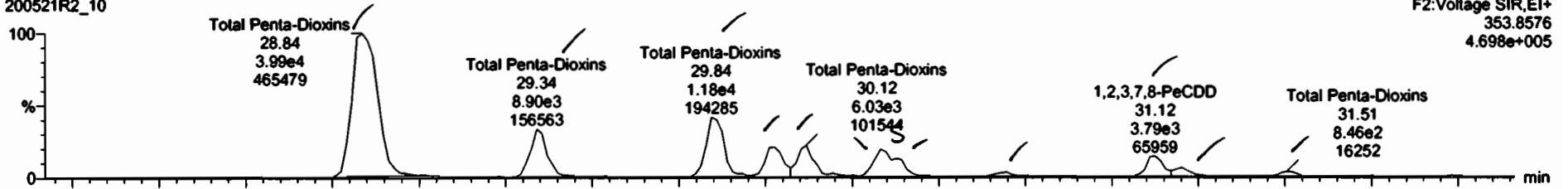
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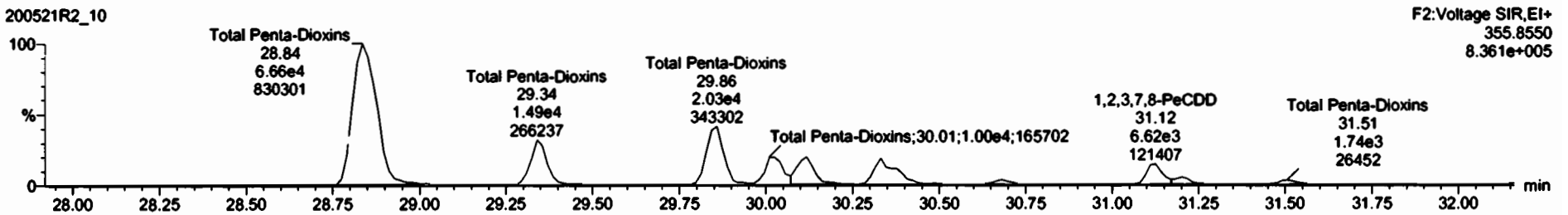
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1,2,3,7,8-PeCDD

200521R2_10

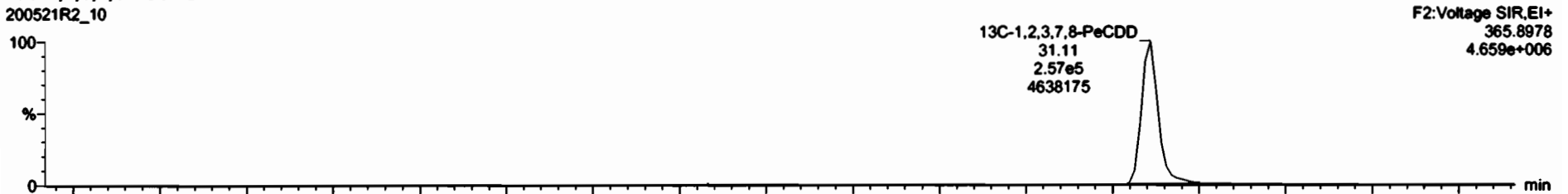


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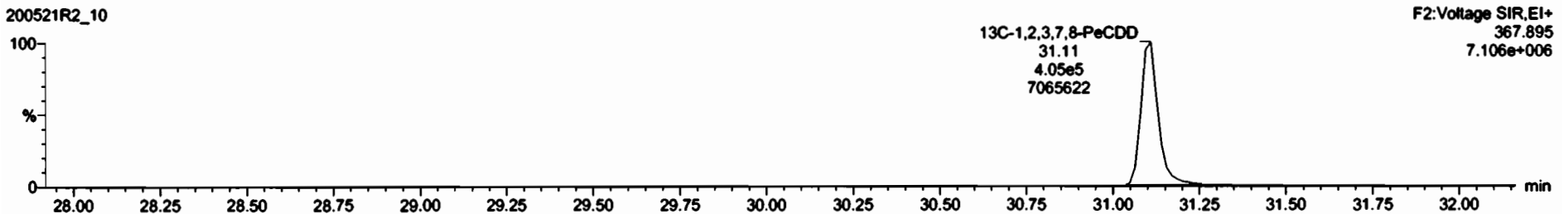


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200521R2_10

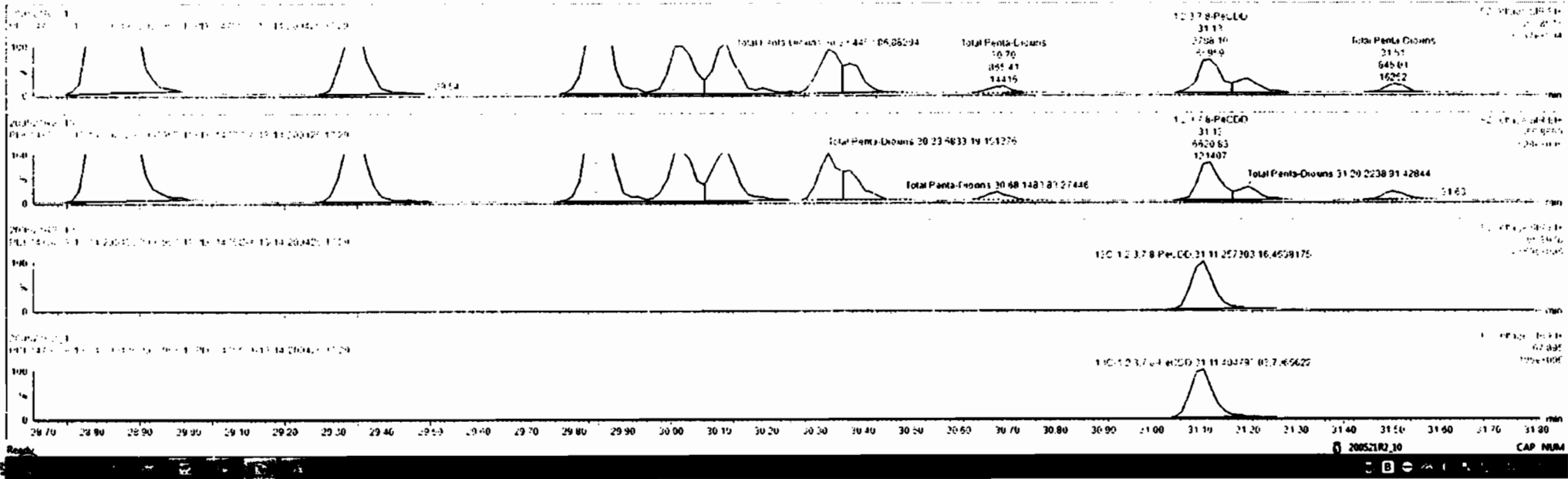


200521R2_10



#	Name	Resp	RA	ny	RRF	WVol	RT	RRT	Coac	%Acc	DL	EMPC
39	Total Penta-Chlorins				0.9477	13.00F				13.0	0.171	13.0
40	Total Penta-Chlorins				0.9425	10.00F				66.3	0.280	74.8

#	Name	RT	Int Resp	m2 Resp	RA	ny	EMPC	Coac
1	Total Penta-Chlorins	18.04	1.95E4	1.805E4	0.60	NO	31.147	1.12
2	Total Penta-Chlorins	19.24	1.39E4	1.407E4	0.70	NO	31.151	1.31
3	Total Penta-Chlorins	19.64	1.17E4	1.024E4	0.59	NO	31.150	1.0245
4	Total Penta-Chlorins	20.01	1.551E3	1.003E4	0.55	NO	31.150	1.1030
5	Total Penta-Chlorins	20.17	1.07E3	9.67E3	0.71	NO	31.147	1.07E3
6	Total Penta-Chlorins	20.71	1.47E2	6.537E3	0.65	NO	31.151	0.5000E
7	Total Penta-Chlorins	20.32	1.77E3	1.500E3	0.66	NO	31.151	1.5000E
8	Total Penta-Chlorins	20.70	1.89E2	1.42E3	0.58	NO	31.148	1.42E3
9	1,2,3,4-PeCCD	31.13	1.55E7	6.627E3	0.67	NO	31.134	1.55E7
10	Total Penta-Chlorins	31.20	1.12E3	1.23E4	0.65	NO	31.140	1.12E3
11	Total Penta-Chlorins	31.51	1.44E2	1.11E3	0.46	NO	31.140	0.111E3

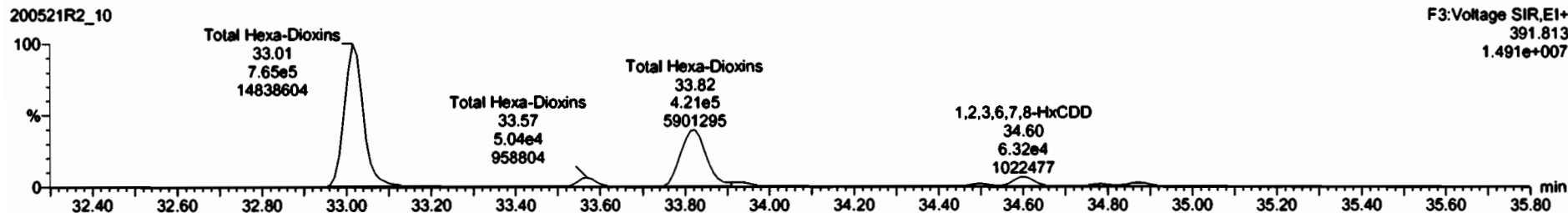
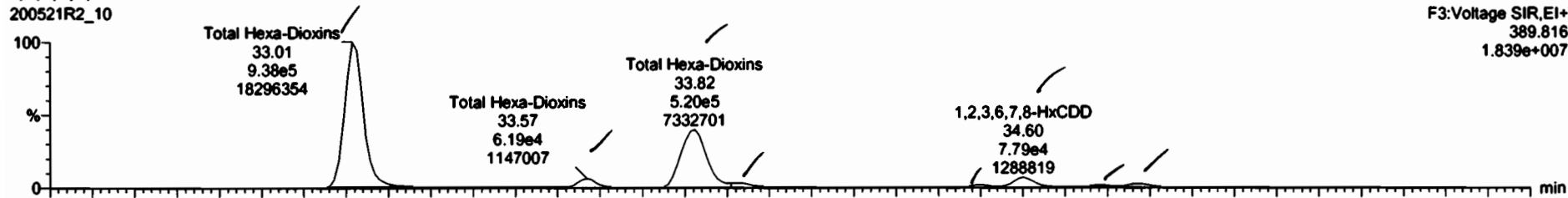


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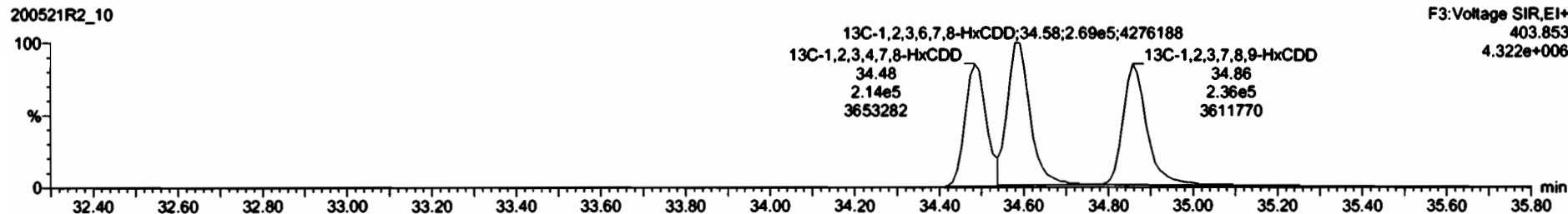
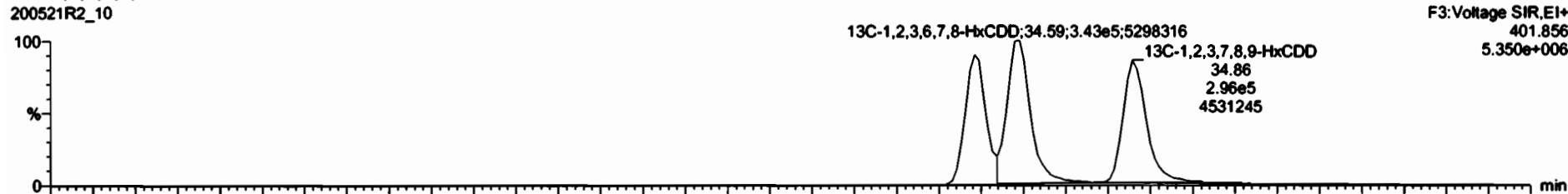
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1,2,3,4,7,8-HxCDD

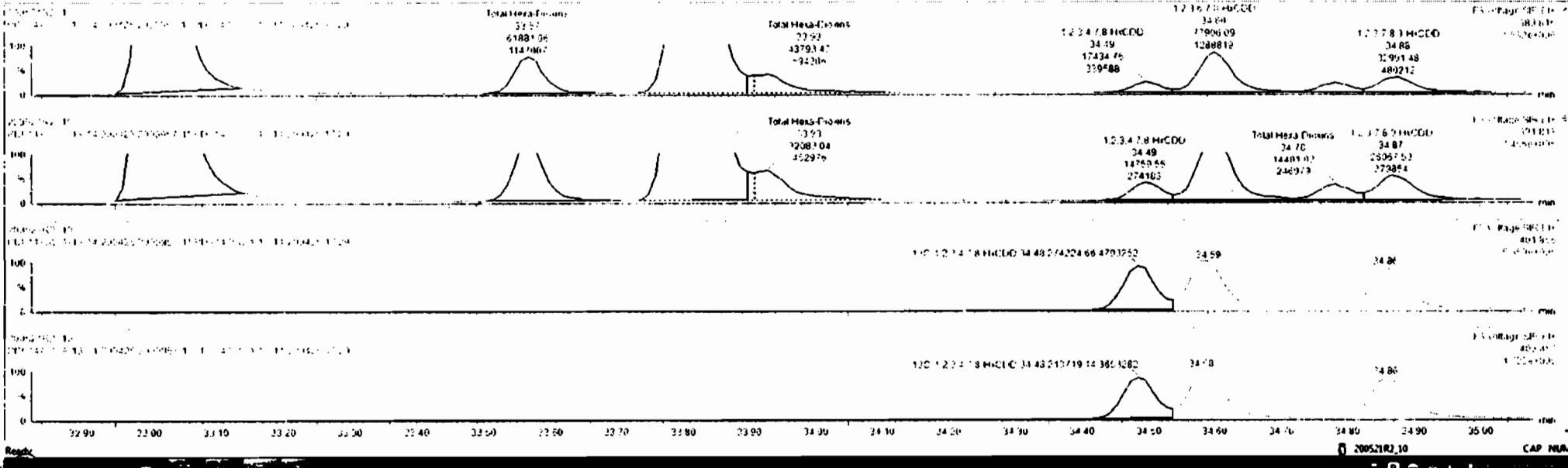


13C-1,2,3,4,7,8-HxCDD



Name	Resp	RA	ry	RFP	WVPL	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Hexa Chlor				0.3475	10.006				3.0	0.171	13.3
40 Total Penta Chlor				0.6425	13.006				52.1	0.264	14.0

Name	RT	int Resp	int Resp	RA	ry	EMPC	Conc
1 Total Hexa Chlor	33.01	9.14e4	7.747e4	1.27	NO	524.64	681.44
2 Total Hexa Chlor	33.57	6.932e4	5.640e4	1.22	NO	45.122	47.122
3 Total Hexa Chlor	33.82	1.146e5	4.145e4	1.24	NO	777.24	373.24
4 Total Hexa Chlor	33.92	4.275e4	2.205e4	1.22	NO	30.453	30.453
5 1,2,3,4,7,8-HxCCl	34.49	1.743e4	1.475e4	1.16	NO	12.391	12.261
6 1,2,3,6,7,8-HxCCl	34.60	2.259e4	6.321e4	1.13	NO	59.154	10.354
7 Total Hexa Chlor	34.70	1.623e4	1.442e4	1.22	NO	13.115	13.115
8 1,2,3,4,6,8-HxCCl	34.86	3.756e4	1.702e4	1.27	NO	14.224	24.224



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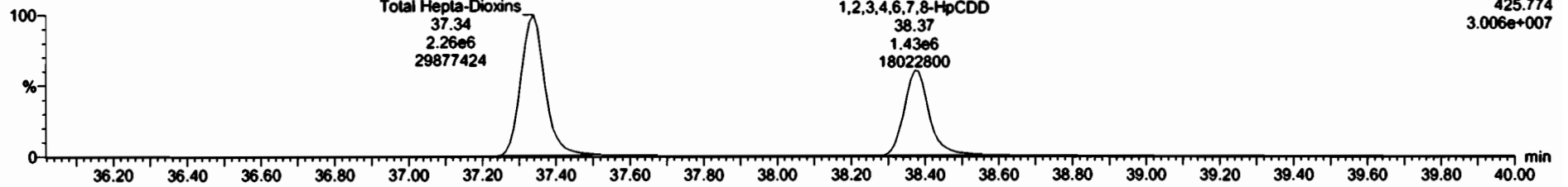
1,2,3,4,6,7,8-HpCDD

200521R2_10



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3.065e+007

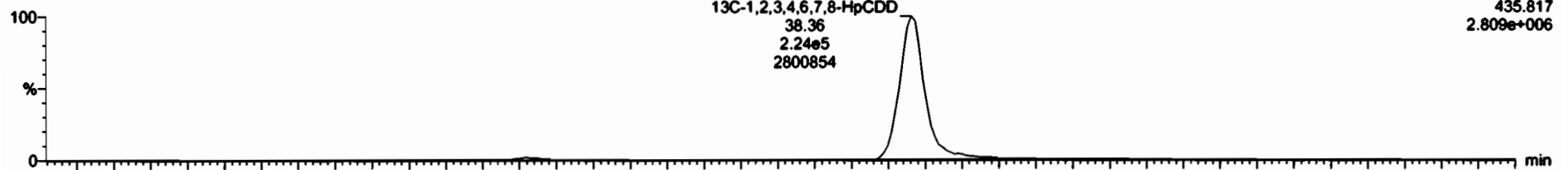
200521R2_10



F4:Voltage SIR,EI+
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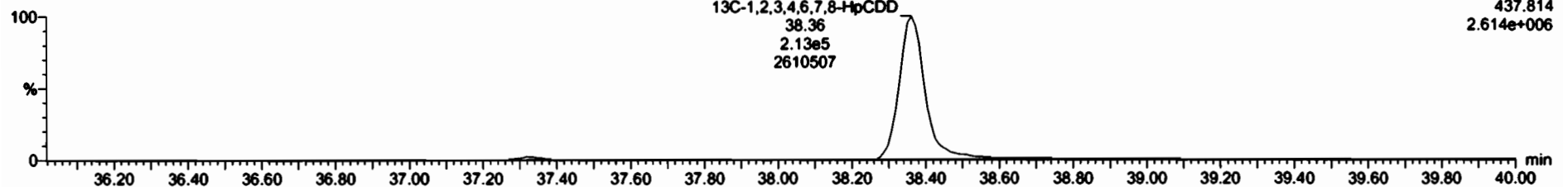
13C-1,2,3,4,6,7,8-HpCDD

200521R2_10



F4:Voltage SIR,EI+
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2.809e+006

200521R2_10

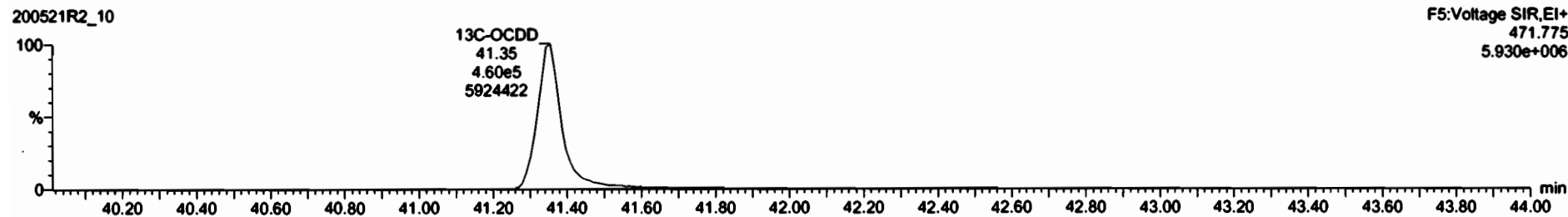
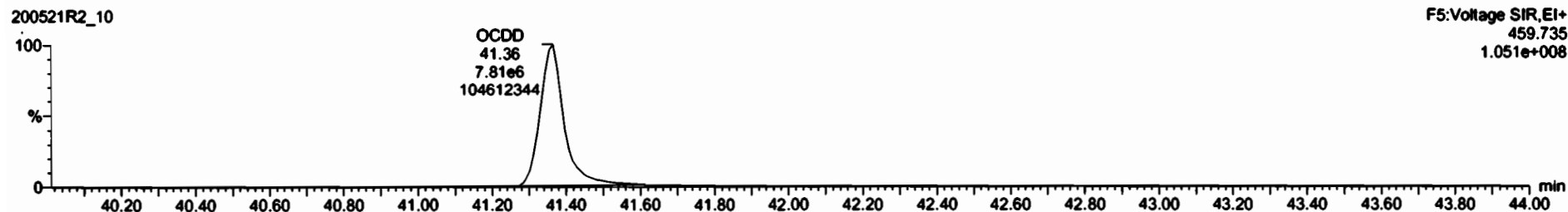


F4:Voltage SIR,EI+
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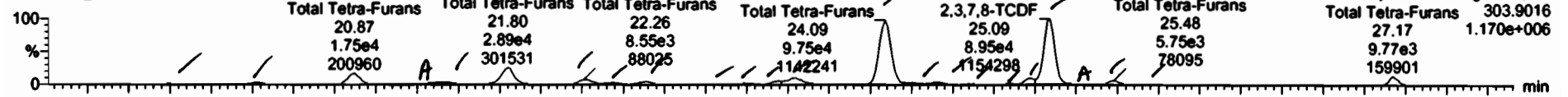
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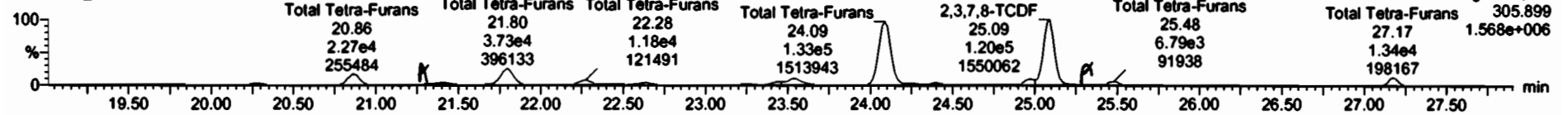
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2,3,7,8-TCDF

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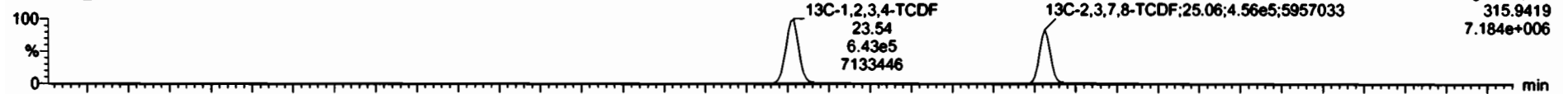


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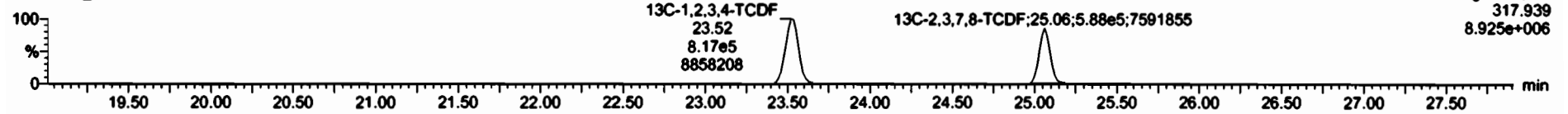


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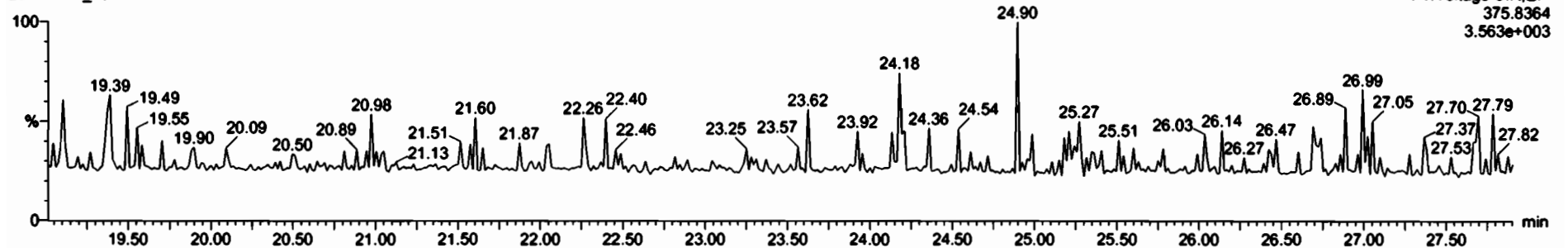


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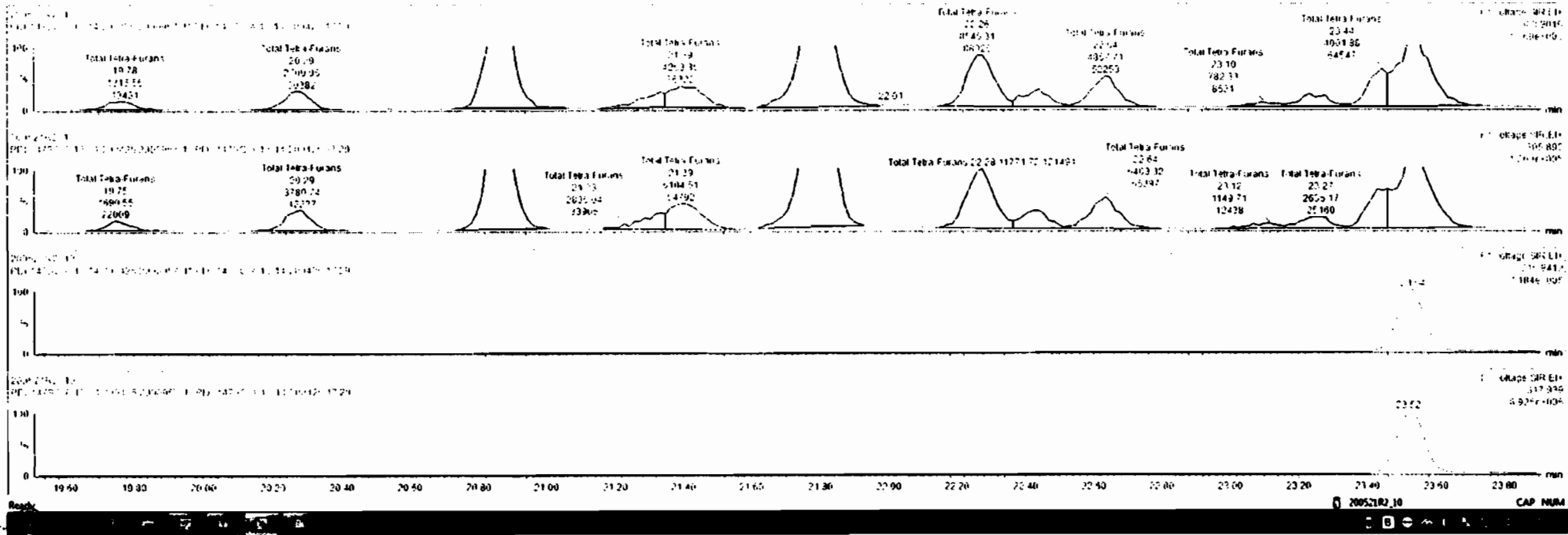
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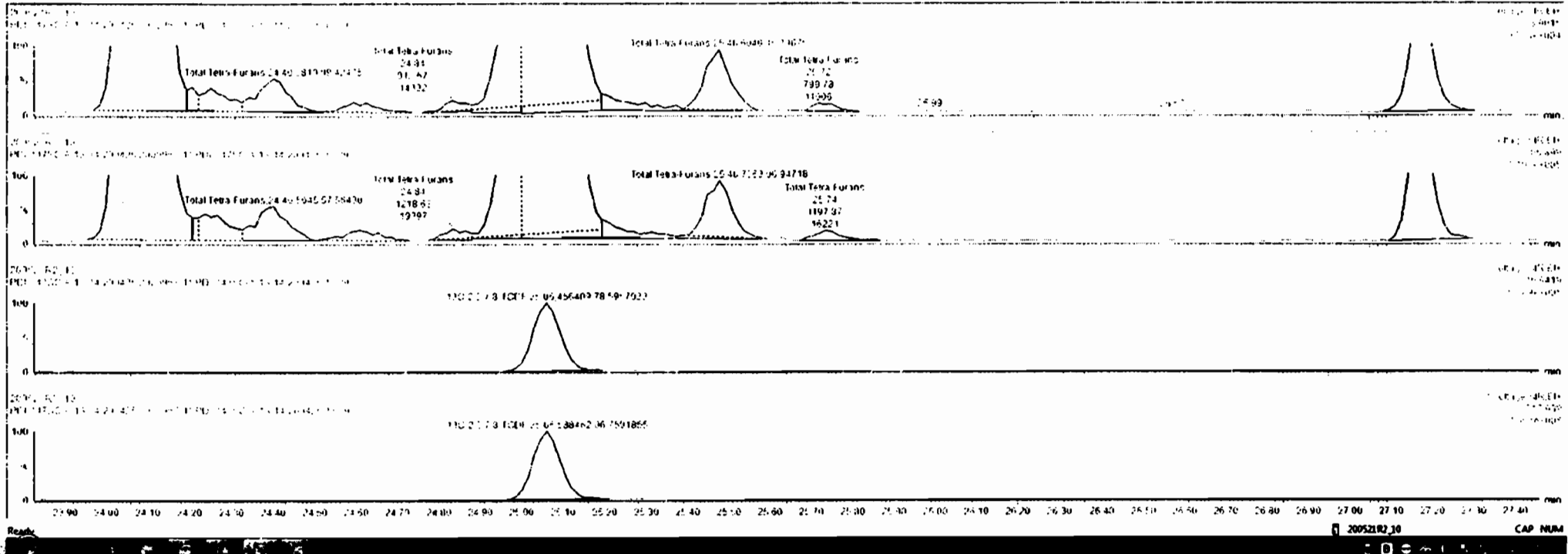
Name	Resp	RA	Qty	RRF	Wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
42 Total Hepta-Furans				0.8575	10.000			1790			1790
43 Total Tetra-Furans				0.7821	10.000			175		8.280	177

Name	RT	Int Resp	Wt Resp	RA	Qty	EMPC	Conc
1 Total Tetra-Furans	19.78	1712.55	1.67613	0.77	NO	6.72052	0.72092
2 Total Tetra-Furans	20.19	2192.35	2.21813	0.72	NO	11.774	1.2774
3 Total Tetra-Furans	20.67	1777.84	1.72064	0.72	NO	5.774	5.774
4 Total Tetra-Furans	21.32	1105.63	1.03563	0.74	NO	1.2006	1.2006
5 Total Tetra-Furans	21.79	424.67	0.40563	0.72	NO	1.8171	2.4131
6 Total Tetra-Furans	21.80	2.85064	3.24064	0.72	NO	16.007	16.007
7 Total Tetra-Furans	22.26	8.54563	1.17264	0.72	NO	4.9727	4.9727
8 Total Tetra-Furans	22.64	2.62063	1.24163	0.74	NO	1.4906	1.4906
9 Total Tetra-Furans	22.84	4.95063	6.46363	0.72	NO	3.7774	2.7414
10 Total Tetra-Furans	23.10	7.57162	1.1067	0.69	NO	0.46345	3.4692
11 Total Tetra-Furans	23.24	2.14063	1.77063	0.63	NO	1.761	1.9512
12 Total Tetra-Furans	23.44	4.20063	3.24063	0.74	NO	1.251	1.2612
13 Total Tetra-Furans	23.53	1.75063	1.77063	0.72	NO	7.642	7.6512



RT	Name	Resp	RA	ay	RGR	uval	RT	RRT	Conc	%Rec	DL	EMPC
42	Total Hexa-Furans				0.8575	10.000			0.790		0.00	0.790
43	Total Tetra-Furans				0.7871	10.886			180		0.250	180

RT	Name	1st Resp	2nd Resp	RA	ay	EMPC	Conc
16	Total Tetra-Furans	24.09	0.57264	0.72261	0.72	NO	14.825
15	Total Tetra-Furans	24.13	0.44887	0.72261	0.72	NO	11.967
16	Total Tetra-Furans	24.40	0.27087	0.72261	0.72	NO	11.84
17	Total Tetra-Furans	24.60	0.21563	0.72261	0.65	NO	0.72268
18	Total Tetra-Furans	24.24	0.12782	0.72261	0.72	NO	0.11797
19	Total Tetra-Furans	24.37	0.15587	0.72261	0.72	NO	4.4675
20	2,3,7,8-TCDF	25.09	0.16564	1.1188	0.75	NO	11.269
21	Total Tetra-Furans	25.10	0.52583	0.72261	0.67	NO	1.8026
22	Total Tetra-Furans	25.46	0.04082	0.72261	0.62	NO	0.2574
23	Total Tetra-Furans	25.77	0.06622	0.72261	0.67	NO	0.40745
24	Total Tetra-Furans	27.17	0.77563	0.72261	0.72	NO	1.6242



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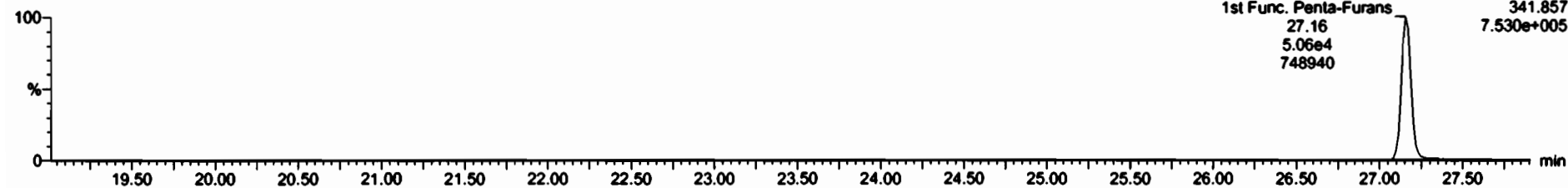
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1st Func. Penta-Furans

200521R2_10

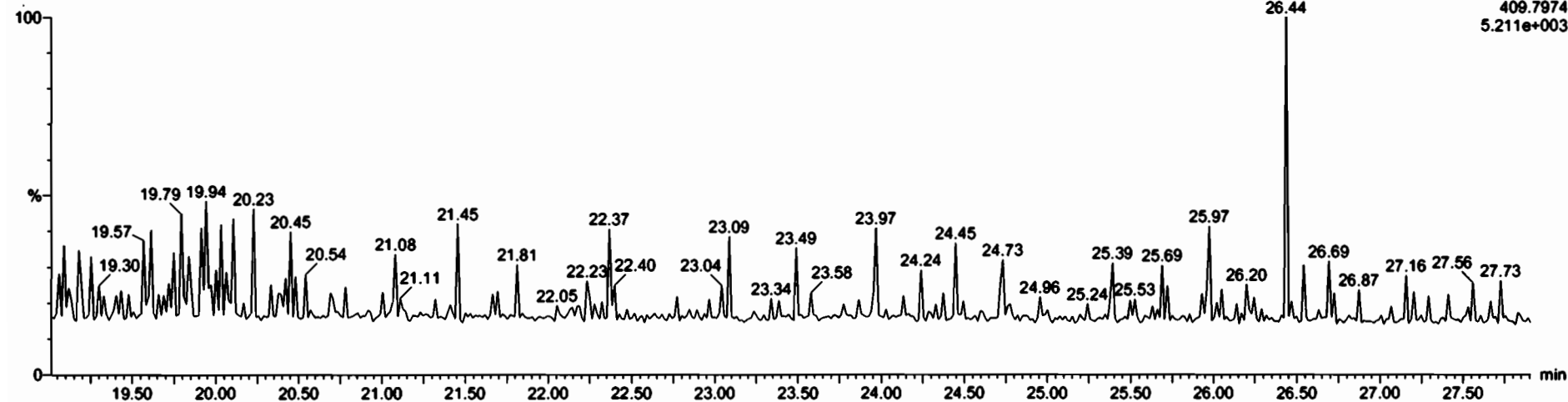


200521R2_10



DPE6

200521R2_10



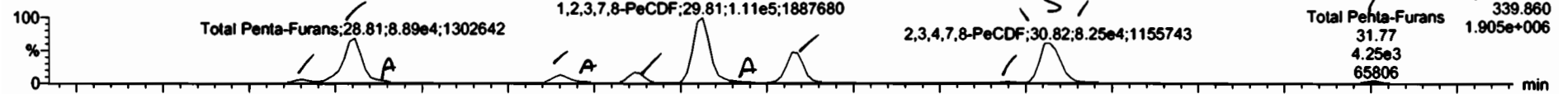
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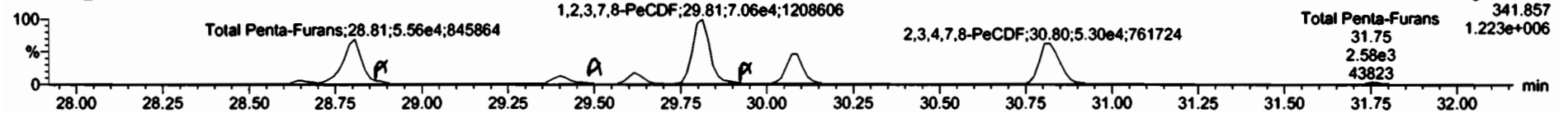
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1,2,3,7,8-PeCDF

200521R2_10

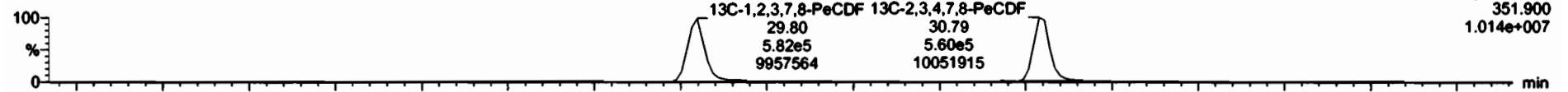


200521R2_10

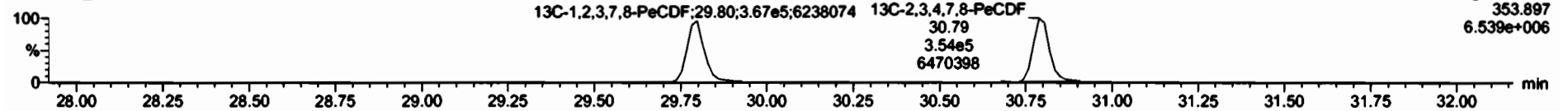


13C-1,2,3,7,8-PeCDF

200521R2_10

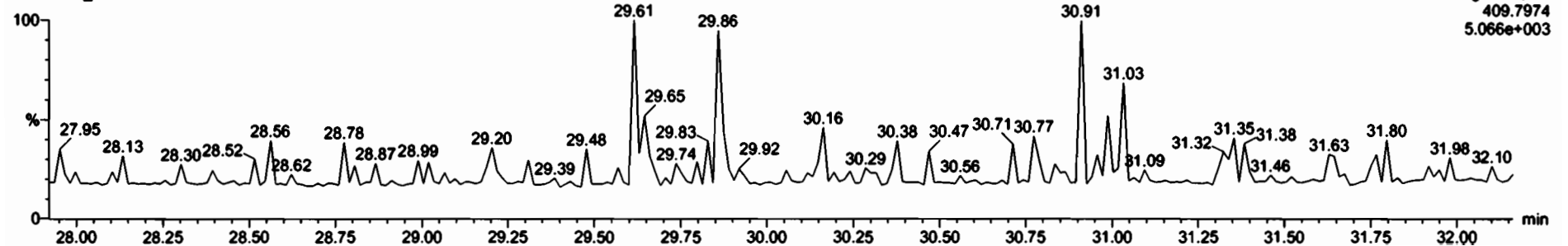


200521R2_10



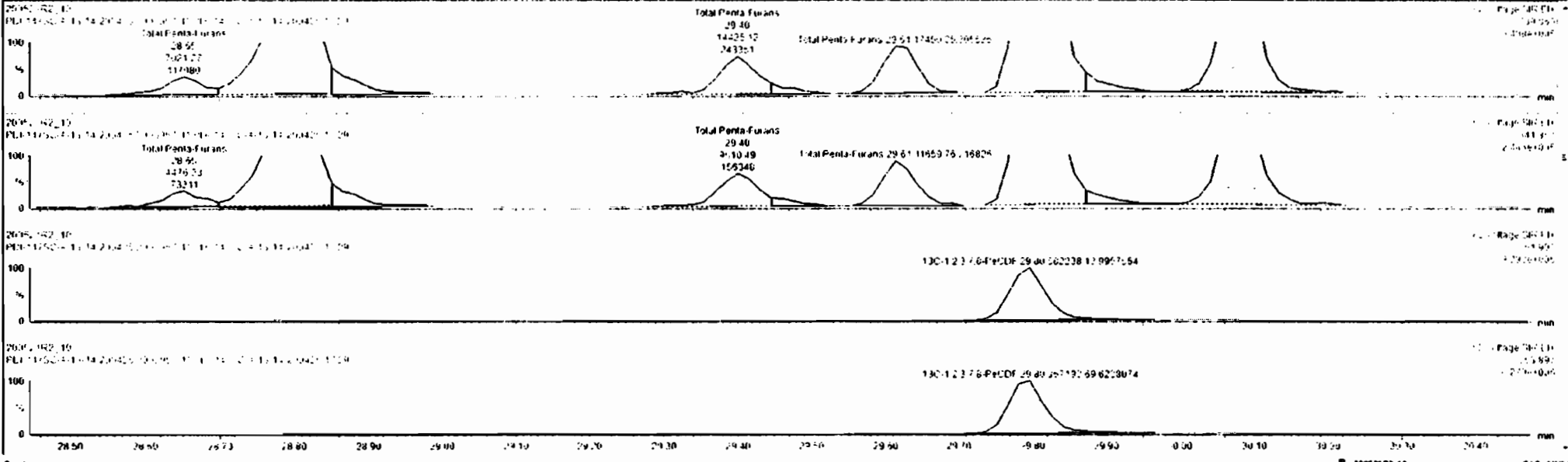
DPE2

200521R2_10



Name	Resp	RA	aly	RRF	Initial	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.0102	10.000				100	0.200	140
46 Total Hexa-Furans				0.0217	10.000				100	0.200	157

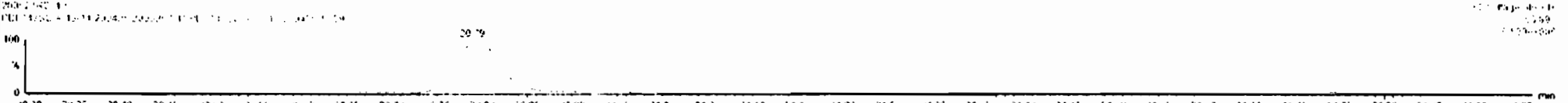
Name	RT	m1 Resp	m2 Resp	RA	aly	EMPC	Conc
1 Total Penta-Furans	28.67	7.021e3	4.276e3	1.17	NO	2.7102	2.7102
2 Total Penta-Furans	28.51	4.477e4	2.227e4	1.74	NO	11.915	0.00000
3 Total Penta-Furans	28.85	4.621e4	1.564e4	1.74	NO	2.418	0.00000
4 Total Penta-Furans	29.40	1.442e4	5.510e3	1.52	NO	5.6420	0.00000
5 Total Penta-Furans	29.41	2.212e3	1.143e3	1.47	NO	0.90712	0.00000
6 Total Penta-Furans	29.51	1.745e4	1.646e4	1.10	NO	7.0617	7.0617
7 1,2,3,7,8-PeCDF	29.51	1.04e4	4.088e4	1.56	NO	40.638	40.638
8 Total Penta-Furans	29.51	2.720e3	2.742e3	1.59	NO	1.4271	1.4271
9 Total Penta-Furans	29.07	5.257e4	2.329e4	1.56	NO	20.238	20.238
10 Total Penta-Furans	29.51	5.019e2	4.374e2	1.11	NS	0.18465	0.00000
11 Total Penta-Furans	29.70	1.050e7	1.056e3	1.06	IS	0.81215	0.00000
12 2,3,4,7,8-PeCDF	29.80	6.246e4	1.794e4	1.56	NO	30.670	30.670
13 Total Penta-Furans	29.77	4.251e2	2.576e7	1.62	NO	1.6103	1.6103





#	Name	Resp	RA	RY	RRF	wProd	RT	RRT	Conc	%Rec	DL	EMPC
45	Total Penta-Furans				0.9182	18.898			194		0.280	148
46	Total Hexa Furans				0.217	10.096			157		0.344	107

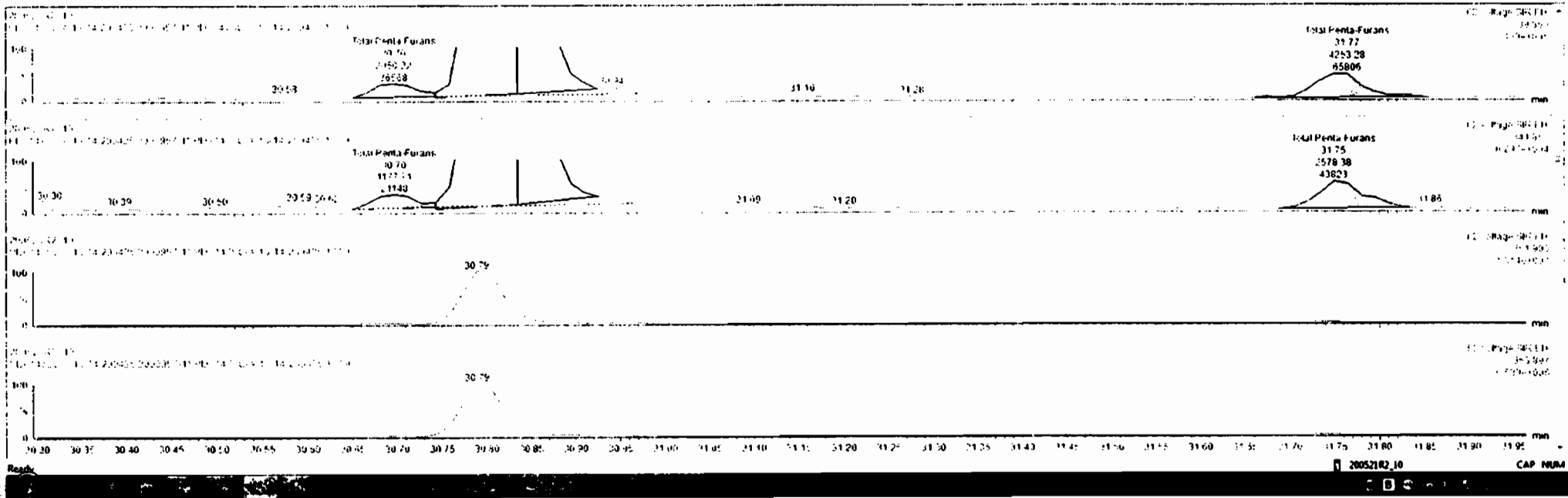
#	Name	RT	m1 Resp	m2 Resp	RA	RY	EMPC	Conc.
1	Total Penta-Furans	28.65	7.21E7	2.15E7	77	NO	2.7102	2.7102
2	Total Penta-Furans	28.65	2.27E7	2.15E7	77	NO	31.975	0.00000
3	Total Penta-Furans	28.65	4.21E7	1.41E7	77	NO	2.7118	0.00000
4	Total Penta-Furans	29.40	4.41E7	1.11E7	77	NO	5.9420	0.00000
5	Total Penta-Furans	29.40	2.27E7	1.11E7	77	NO	0.90710	0.00000
6	Total Penta-Furans	29.40	1.74E7	1.15E7	77	NO	7.0617	0.0017
7	1,2,3,7,8-PeCDF	29.51	1.21E7	1.16E7	77	NO	40.634	40.634
8	Total Penta-Furans	29.51	7.20E7	1.15E7	77	NO	1.4271	1.4271
9	Total Penta-Furans	30.07	5.25E7	2.32E7	77	NO	20.238	20.238
10	Total Penta-Furans	30.07	1.21E7	1.17E7	77	NO	0.78958	0.78958
11	1,3,4,7,8-PeCDF	30.22	1.14E7	1.10E7	77	NO	10.870	10.870
12	Total Penta-Furans	30.22	4.34E7	1.11E7	77	NO	5.4506	5.4506
13	Total Penta-Furans	31.77	4.41E7	2.17E7	77	NO	1.6123	1.6123



Custom Reporting: Select reports to generate

Name	Resp	RA	AV	RRF	WVol	RT	RRT	Conc	%Acc	DL	EMPC
45 Total Penta-Furans				0.0182	18.896			186	0.286	186	
46 Total Hexa-Furans				0.671	10.666			187	0.385	187	

Name	RT	m1 Resp	m2 Resp	RA	AV	EMPC	Conc
1 Total Penta-Furans	28.64	7.011e3	4.279e3	1.77	NO	1.107	2.7102
2 Total Penta-Furans	28.31	6.215e4	2.251e4	1.76	NO	1.912	0.0000
3 Total Penta-Furans	28.85	6.271e2	3.962e1	1.72	NO	1.416	0.0000
4 Total Penta-Furans	29.40	1.443e4	5.510e3	1.70	NO	1.6420	0.0000
5 Total Penta-Furans	29.41	2.221e3	1.145e1	1.47	NO	0.90712	0.0000
6 Total Penta-Furans	29.61	1.141e4	1.165e4	1.10	NO	1.0617	0.2617
7 1,2,3,7-TCDF	29.81	1.264e5	5.782e4	1.14	NO	40.134	40.534
8 Total Penta-Furans	29.37	7.726e3	2.132e4	1.65	NO	1.4211	1.4231
9 Total Penta-Furans	30.07	5.257e4	2.329e4	1.66	NO	10.238	20.238
10 Total Penta-Furans	30.77	2.070e3	1.179e1	1.71	NO	0.19068	0.76006
11 1,2,3,7-TCDF, 1F	30.87	4.504e4	1.643e4	1.72	NO	0.5271	20.977
12 Total Penta-Furans	30.33	2.494e4	1.511e4	1.71	NO	1.1266	9.4506
13 Total Penta-Furans	31.71	4.252e3	2.179e1	1.41	NO	1.6122	1.5123



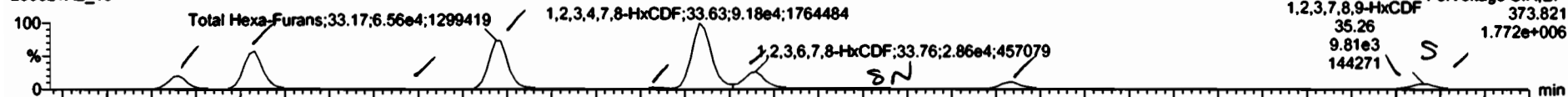
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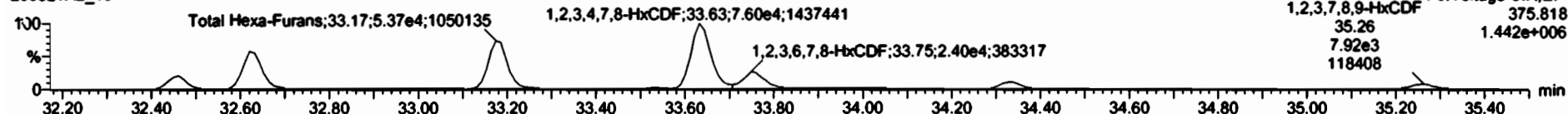
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1,2,3,4,7,8-HxCDF

200521R2_10

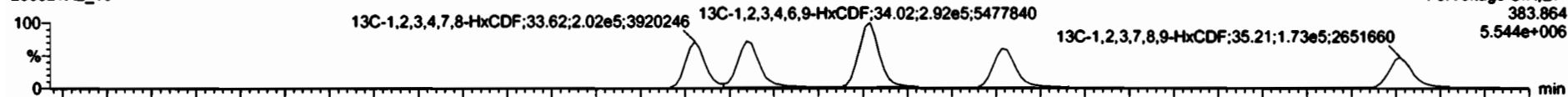


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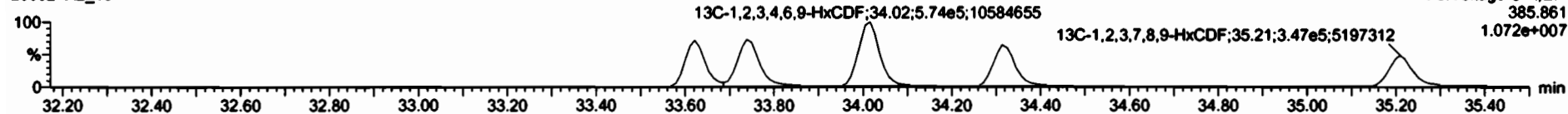


13C-1,2,3,4,7,8-HxCDF

200521R2_10

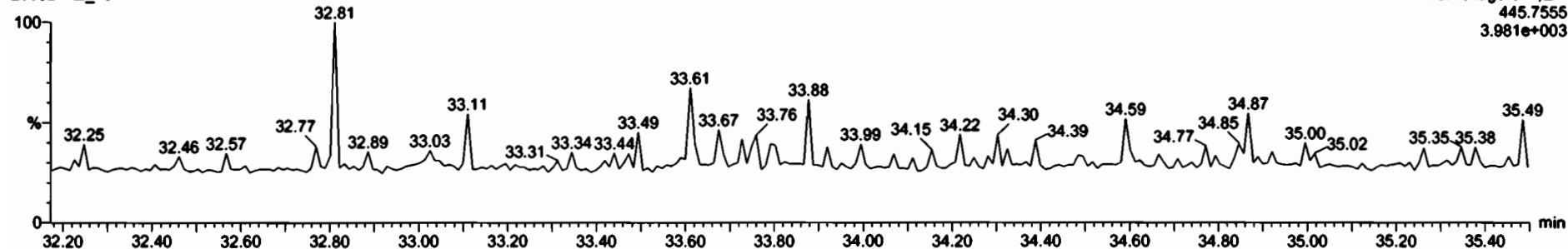


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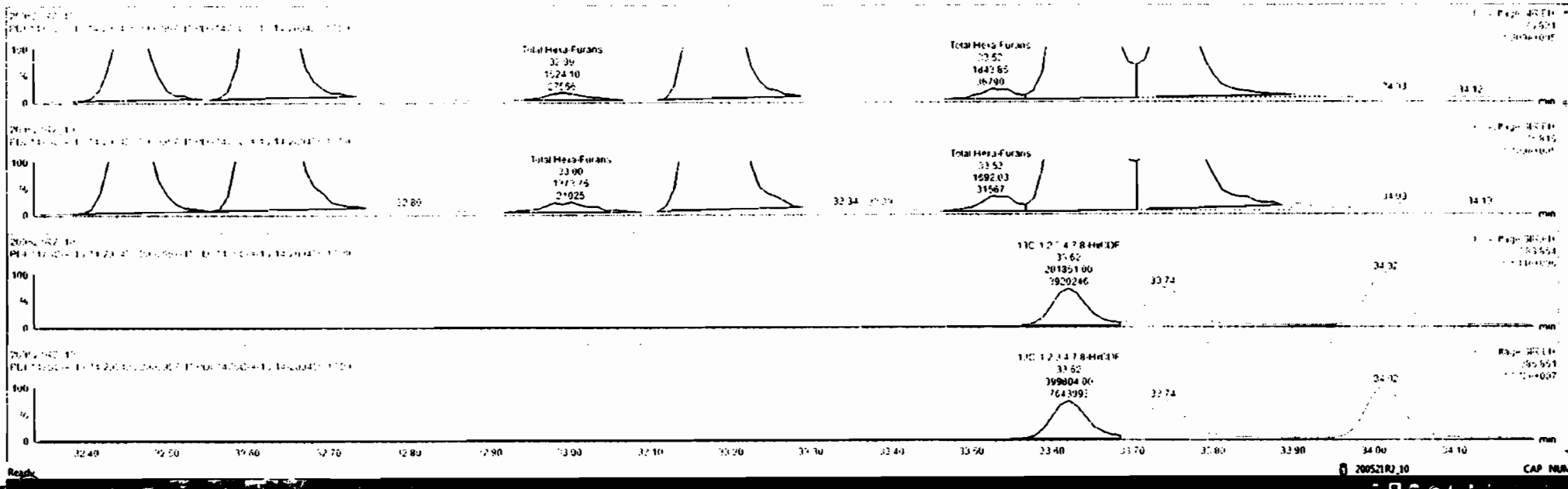
DPE3

200521R2_10



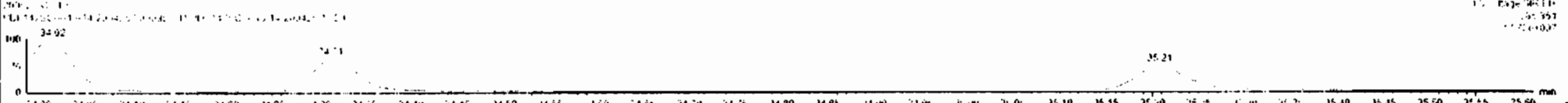
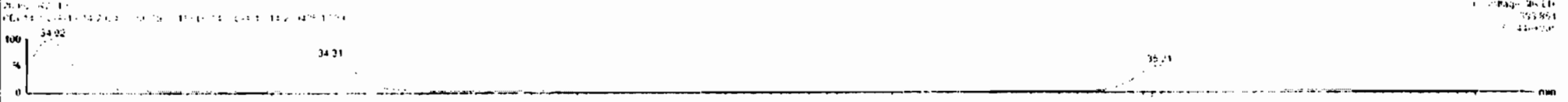
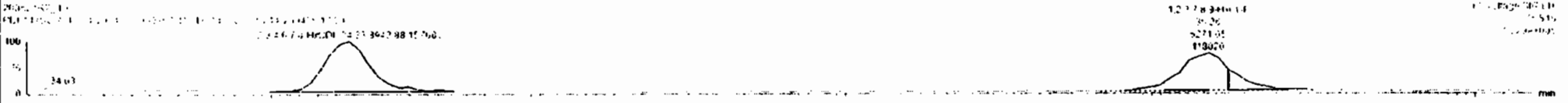
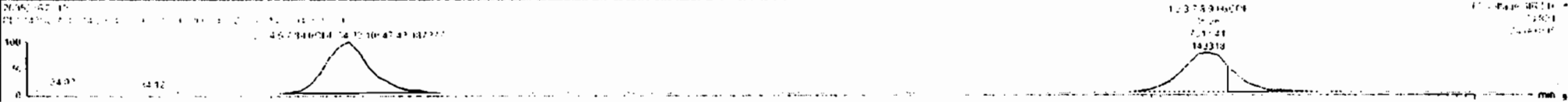
Name	Resp	RA	wy	RRT	ntvol	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Hexa-Furans				0.919	10.00			160	0.24	140	
46 Total Hexa-Furans				0.0217	10.000			100	0.300	100	

Name	RT	m1 Resp	m2 Resp	RA	wy	EMPC	Conc
1 Total Hexa-Furans	12.46	1.768e4	1.498e4	1.16	N.D.	11.720	11.720
2 Total Hexa-Furans	12.43	1.100e4	4.250e4	1.16	N.D.	11.720	11.720
3 Total Hexa-Furans	12.95	1.574e7	1.378e7	1.11	N.D.	11.740	1.344
4 Total Hexa-Furans	13.17	6.560e4	5.306e4	1.22	N.D.	43.021	13.671
5 Total Hexa-Furans	13.53	1.544e3	1.647e3	1.05	N.D.	11.740	1.264
6 1,2,3,4,5,6-HexCDF	13.63	5.172e4	7.197e4	1.21	N.D.	43.040	43.040
7 1,2,3,4,5,6-HexCDF	13.76	2.730e4	2.291e4	1.15	N.D.	46.675	16.675
8 2,3,4,5,6-HexCF	14.32	1.055e4	8.844e3	1.18	N.D.	11.740	1.150
9 1,2,3,4,5,6-HexCF	15.26	9.811e3	7.920e3	1.24	N.D.	11.740	7.250



Name	Resp	RA	dy	RRF	Wt%	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Hexa-Furans				0.3102	13.606			101	0.241	147	
46 Total Hept-Furans				0.0217	10.688			120	0.300	100	

Name	RT	Int Resp	Ext Resp	RA	dy	EMPC	Conc
1 Total Hexa-Furans	32.48	1.7464	1.7464	1.16	ND	11.780	11.780
2 Total Hexa-Furans	32.73	0.1178	0.1178	1.27	ND	11.755	11.755
3 Total Hexa-Furans	32.96	1.1767	1.1767	1.11	ND	1.0465	1.0465
4 Total Hexa-Furans	33.17	0.5654	0.5654	2.2	ND	42.621	43.071
5 Total Hexa-Furans	33.21	1.224	1.224	1.69	ND	1.2789	1.2789
6 1,2,3,4,7,8-HxCDF	33.33	0.1729	0.1729	1.21	ND	11.849	11.849
7 1,2,3,7,8-HxCDF	33.37	1.7064	1.7064	1.15	ND	16.429	16.675
8 2,3,4,6,7,8-HxCDF	34.13	0.2464	0.2464	1.18	ND	1.1502	1.1502
9 1,2,3,7,8-HxCDF	35.26	0.1162	0.1162	1.20	ND	6.1250	6.1250
10 Total Hexa-Furans	35.27	0.2527	0.2527	1.12	ND	1.1377	1.1377



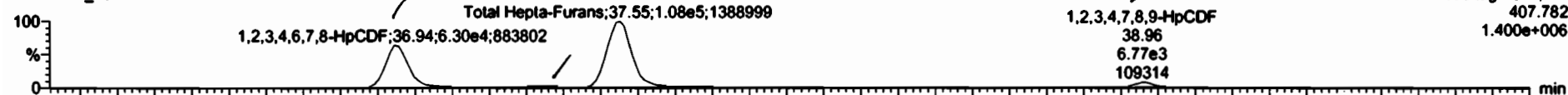
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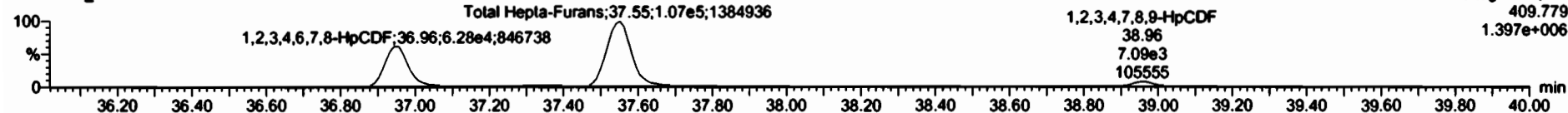
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1,2,3,4,6,7,8-HpCDF

200521R2_10



200521R2_10

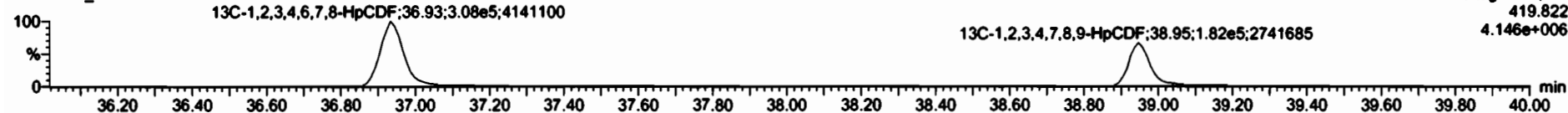


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200521R2_10

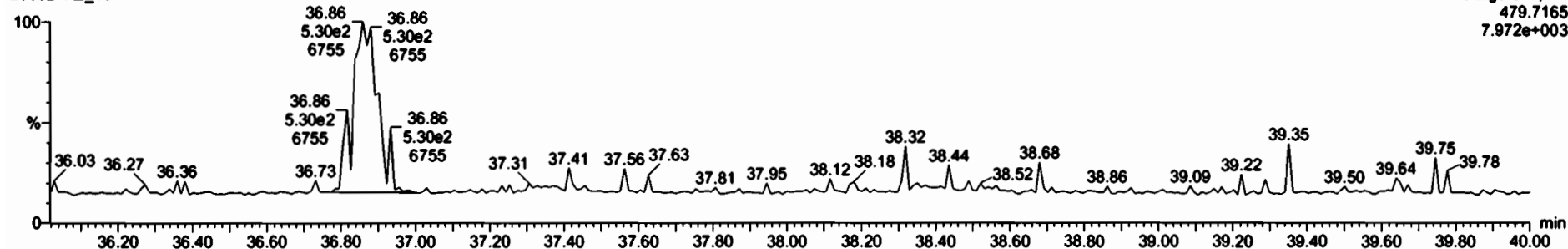


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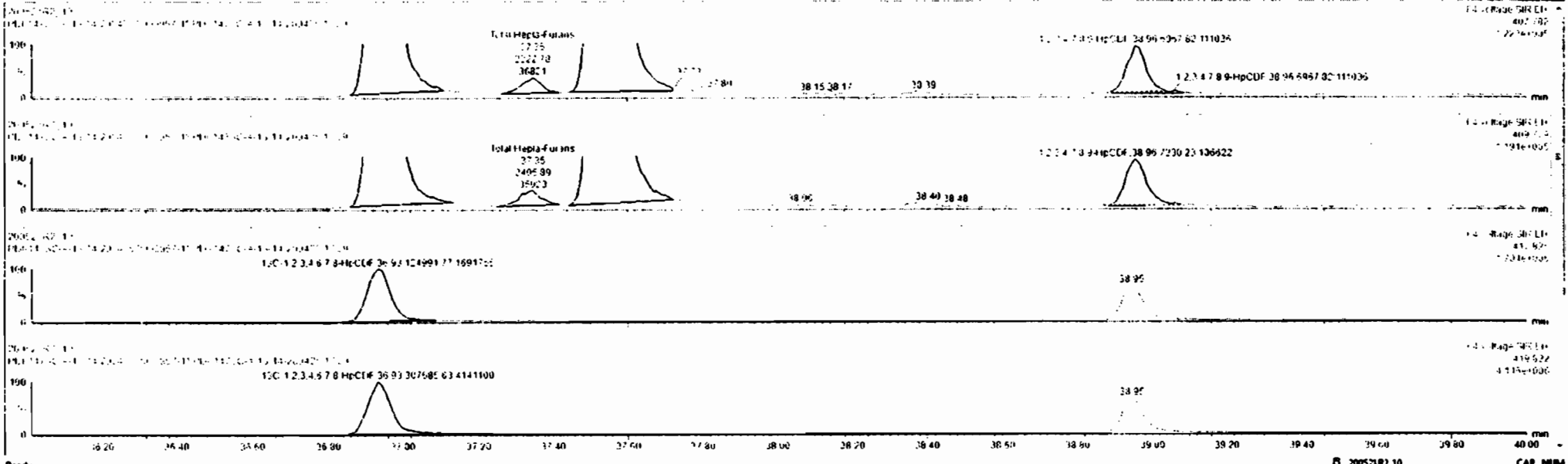
DPE4

200521R2_10



Name	Resp	RA	ry	RF	RFvol	RT	RTT	Conc	%Rec	DL	EMPC
Total Heps-Furans				0.910	13.005			105	0.261		140
Total Heps-Furans				0.6217	11.606			168	0.385		192

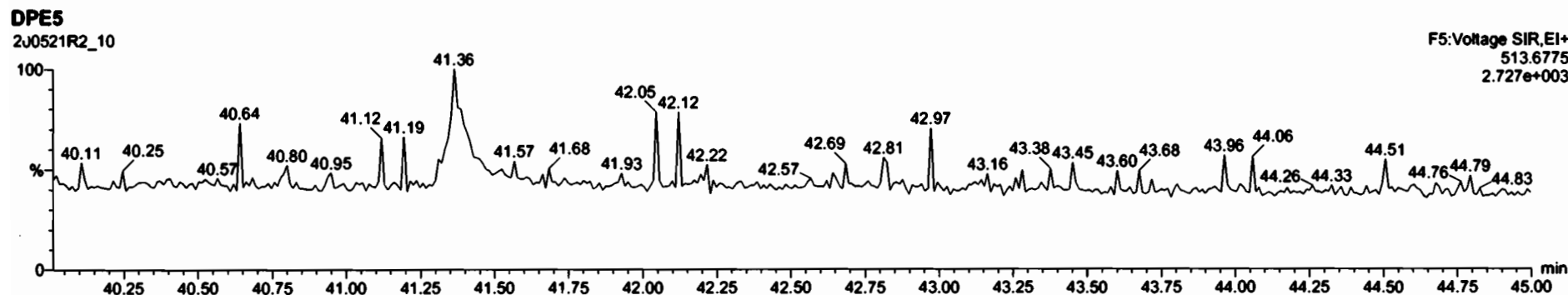
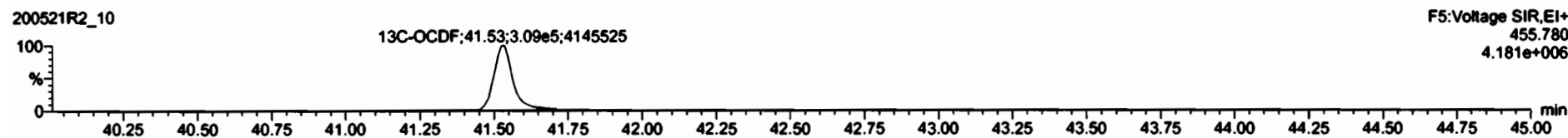
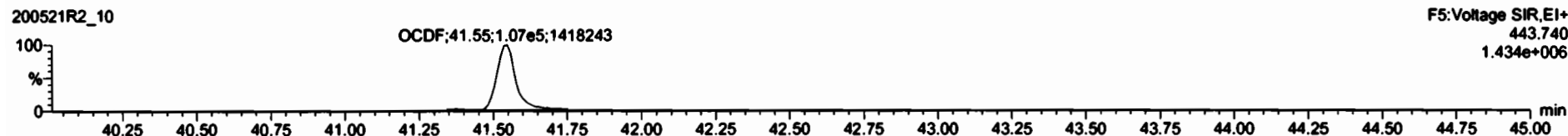
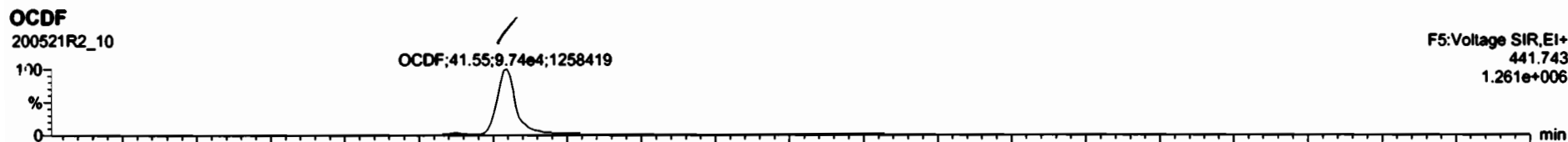
Name	RET	net Resp	m2 Resp	RA	ry	EMPC	Conc
1,2,3,4,6,7,8-HpCDF	36.54	1.746e4	8.750e4	1.00	16.7	77.620	76.650
Total Heps-Furans	37.35	7.327e7	2.405e1	1.57	16.0	7.367	7.1282
Total Heps-Furans	37.55	1.080e5	1.068e5	1.01	16.0	142.7	142.51
1,2,3,4,6,7,8-HpCDF	38.56	1.964e3	7.235e3	0.36	16.0	10.244	10.244



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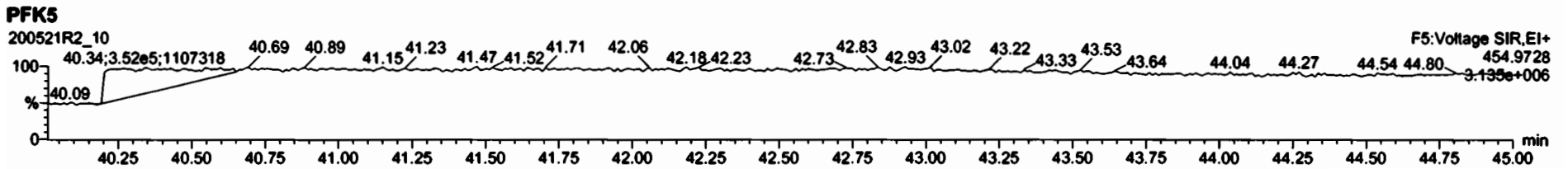
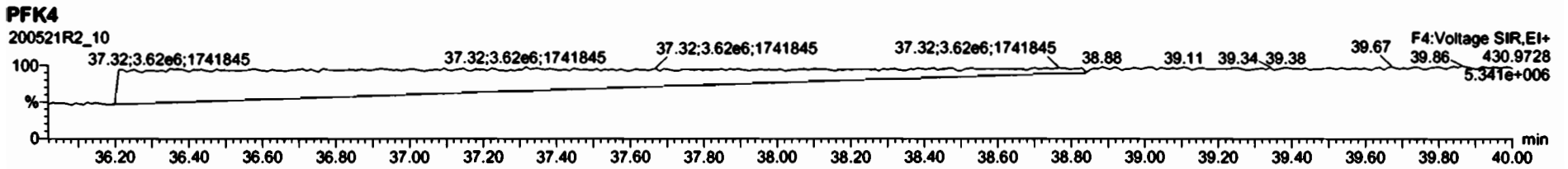
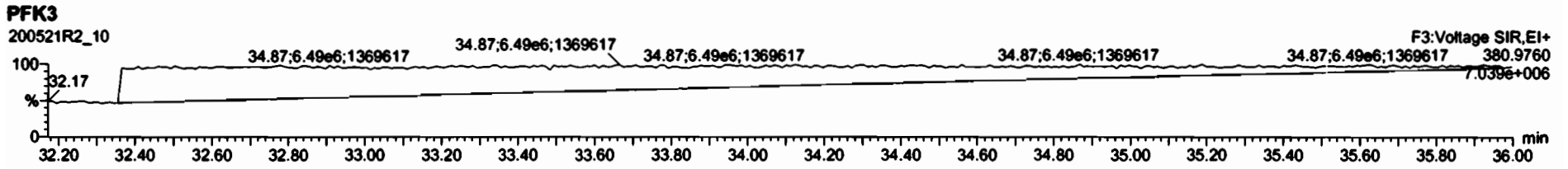
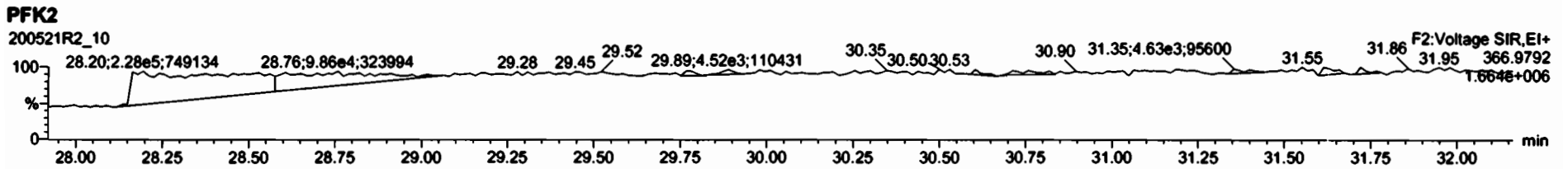
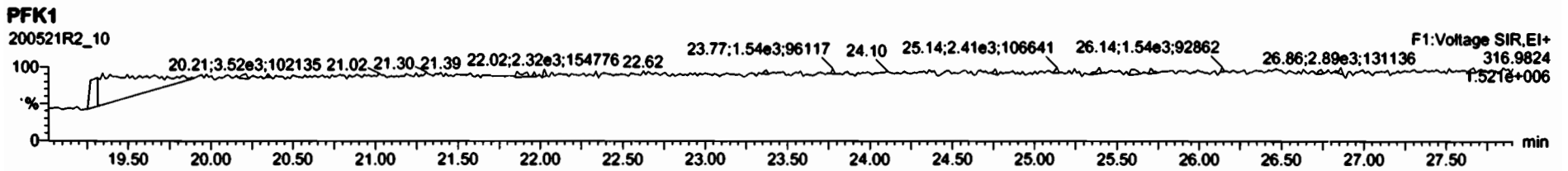
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GPB 06/01/2020

C706/02/2020

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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200529R2_11, Date: 29-May-2020, Time: 22:07:28, ID: 2000957-11@2X PDI-147SC-A-13-14-200425 17.29, Description: PDI-147SC-A-13-14-200425

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc	%Rec	DU	TEMP
7	OCDD	8.01e6	0.89	NO	0.914	10.006	41.759	41.78	1.000	1.001	7598.5		2.28	7600
24	13C-OCDD	4.61e5	0.89	NO	0.652	10.006	41.788	41.76	1.216	1.215	312.26	78.1	0.573	
35	37Cl-2,3,7,8-TCDD	1.80e5			1.04	10.006	26.599	26.56	1.028	1.026	69.244	86.6	0.0758	
36	13C-1,2,3,4-TCDD	5.02e5	0.80	NO	1.00	10.006	25.890	25.89	1.000	1.000	199.87	100	0.349	
37	13C-1,2,3,4-TCDF	7.38e5	0.78	NO	1.00	10.006	24.360	24.21	1.000	1.000	199.87	100	0.468	
38	13C-1,2,3,4,6,9-HxCDF	4.53e5	0.51	NO	1.00	10.006	34.420	34.37	1.000	1.000	199.87	100	0.910	

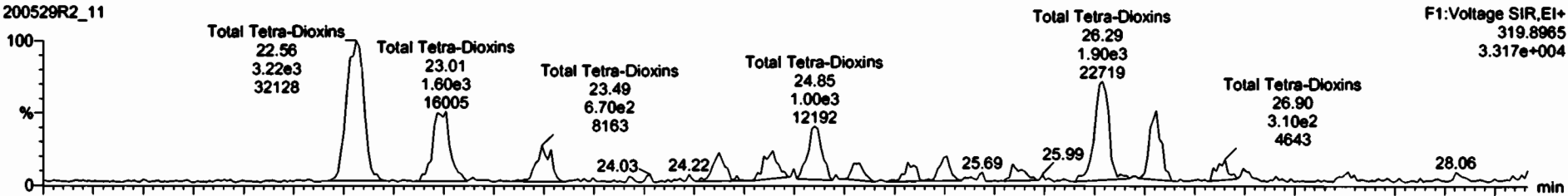
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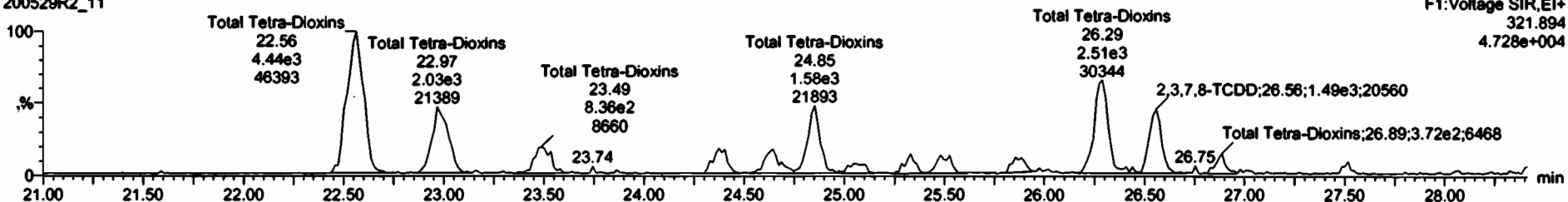
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2,3,7,8-TCDD

200529R2_11

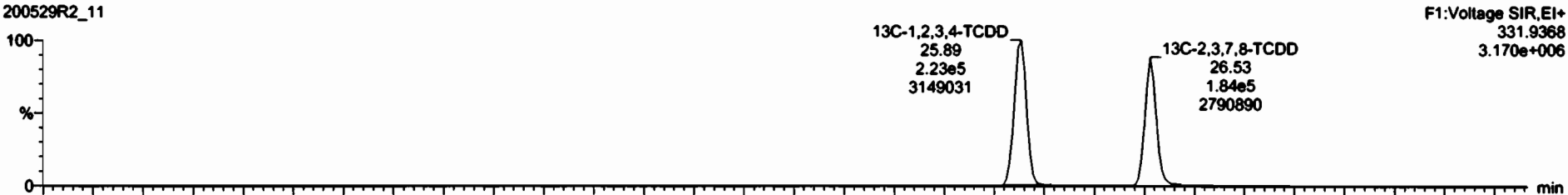


200529R2_11

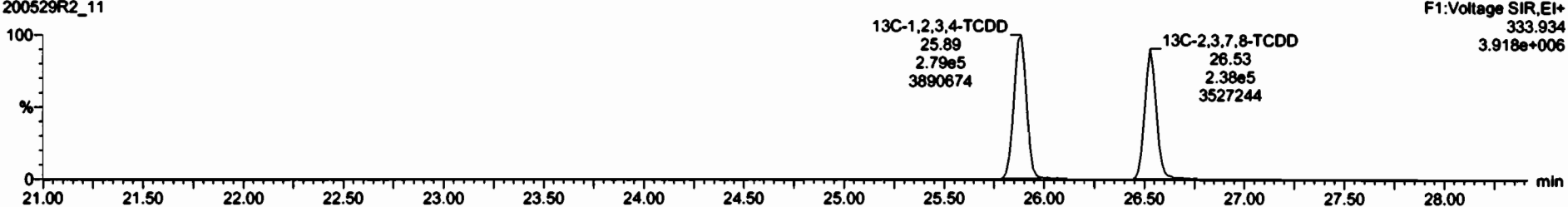


13C-2,3,7,8-TCDD

200529R2_11



200529R2_11



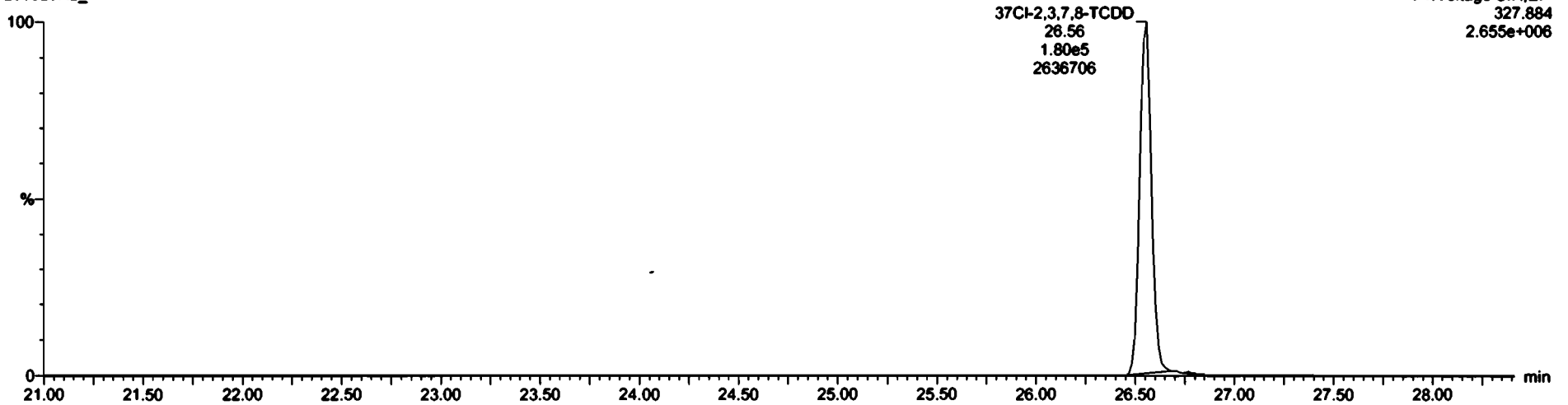
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Name: 200529R2_11, Date: 29-May-2020, Time: 22:07:28, ID: 2000957-11@2X PDI-147SC-A-13-14-200425 17.29, Description: PDI-147SC-A-13-14-200425

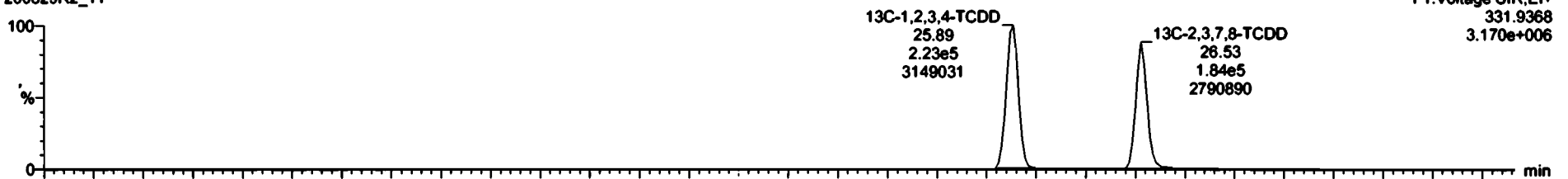
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200529R2_11

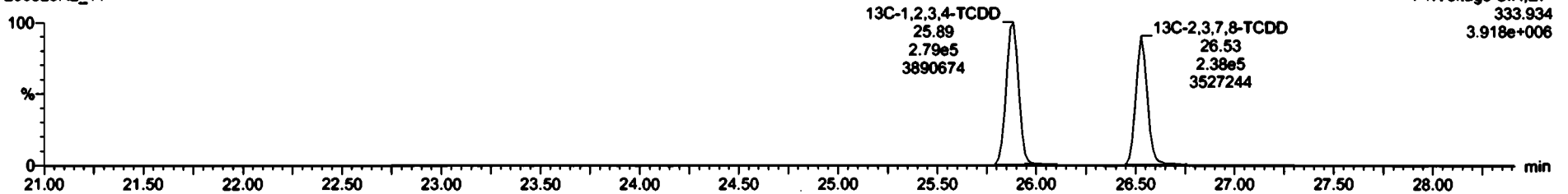


13C-1,2,3,4-TCDD

200529R2_11



200529R2_11

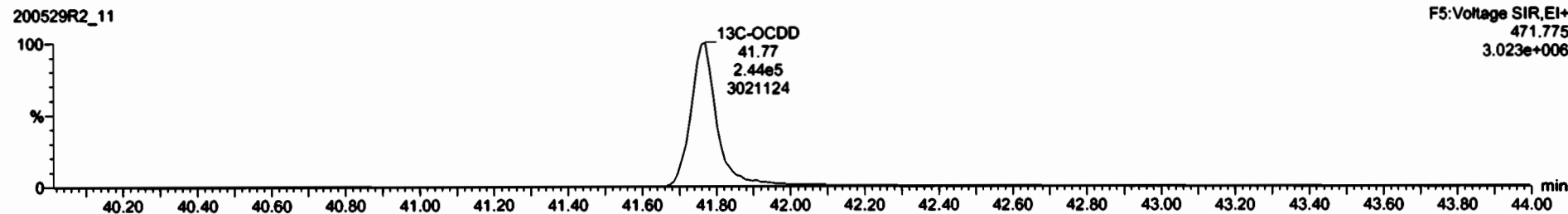
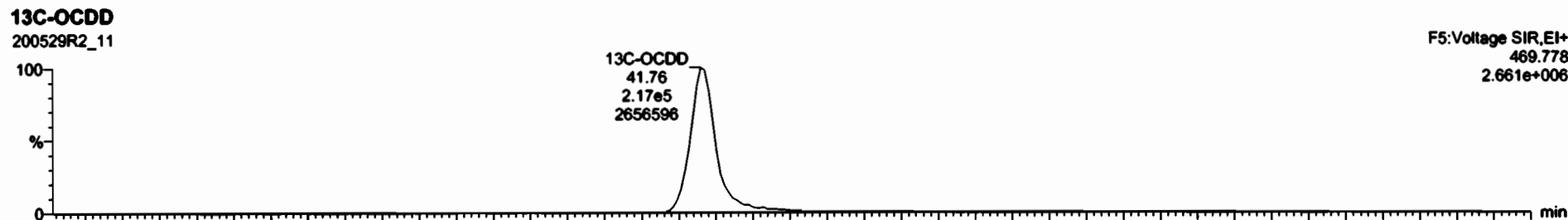
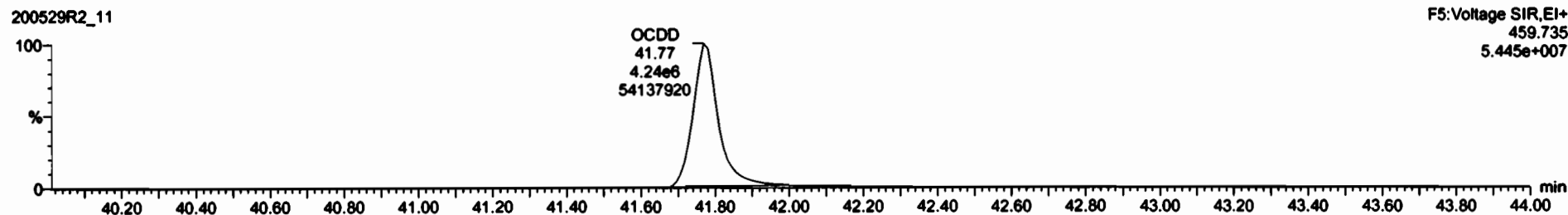
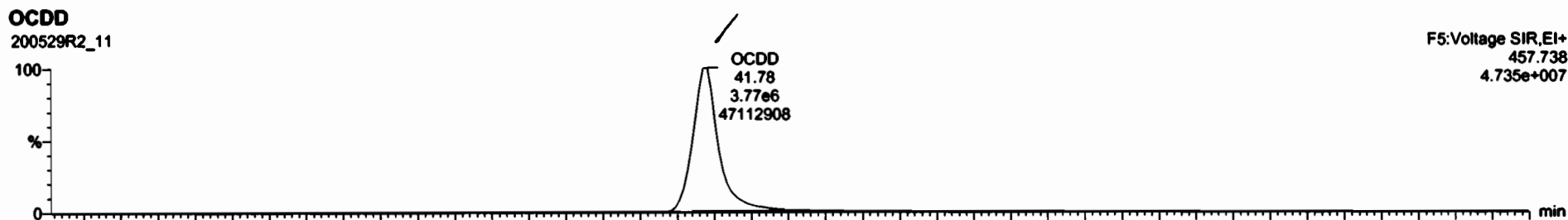


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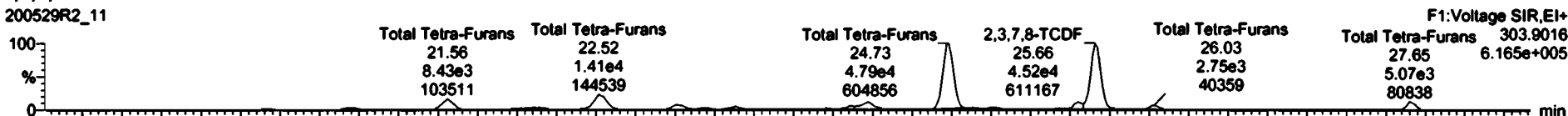
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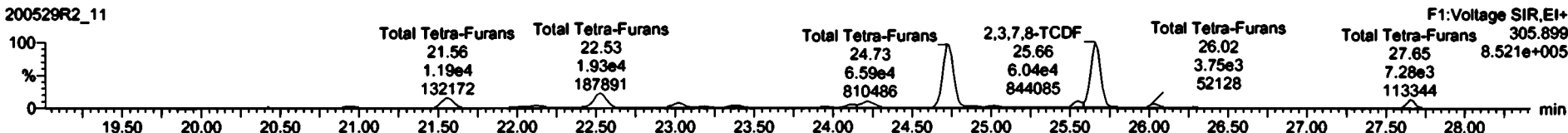
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2,3,7,8-TCDF

200529R2_11

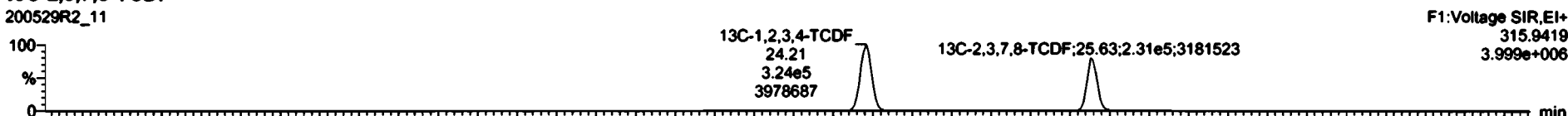


200529R2_11

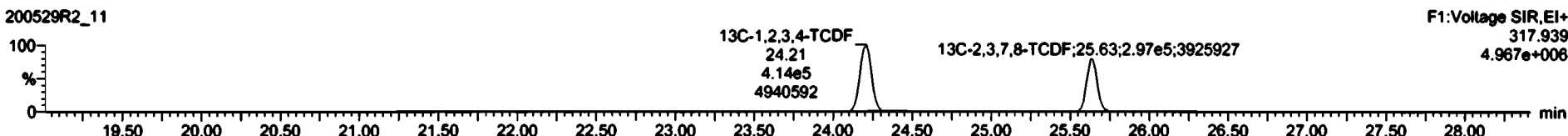


13C-2,3,7,8-TCDF

200529R2_11

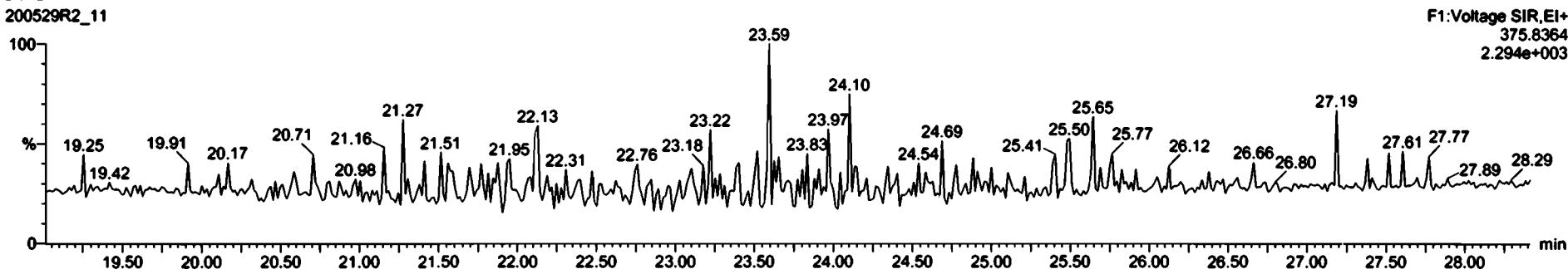


200529R2_11



DPE1

200529R2_11



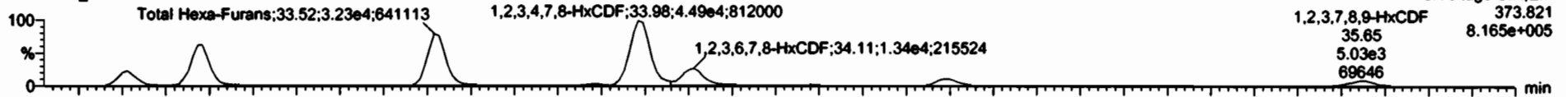
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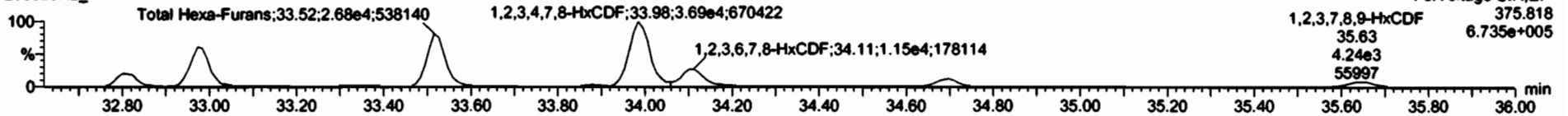
Name: 200529R2_11, Date: 29-May-2020, Time: 22:07:28, ID: 2000957-11@2X PDI-147SC-A-13-14-200425 17.29, Description: PDI-147SC-A-13-14-200425

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

200529R2_11

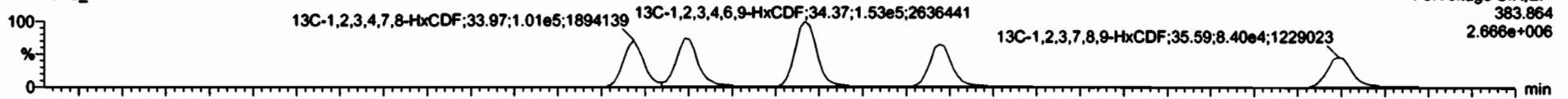


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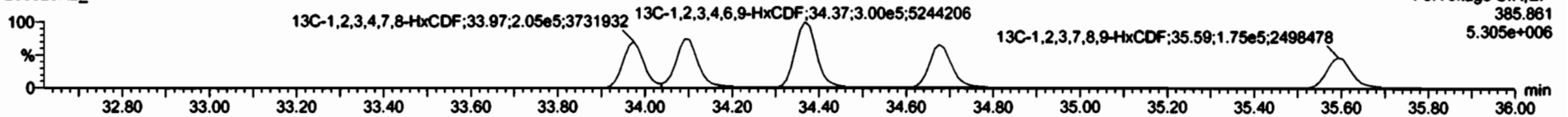


13C-1,2,3,4,7,8-HxCDF

200529R2_11

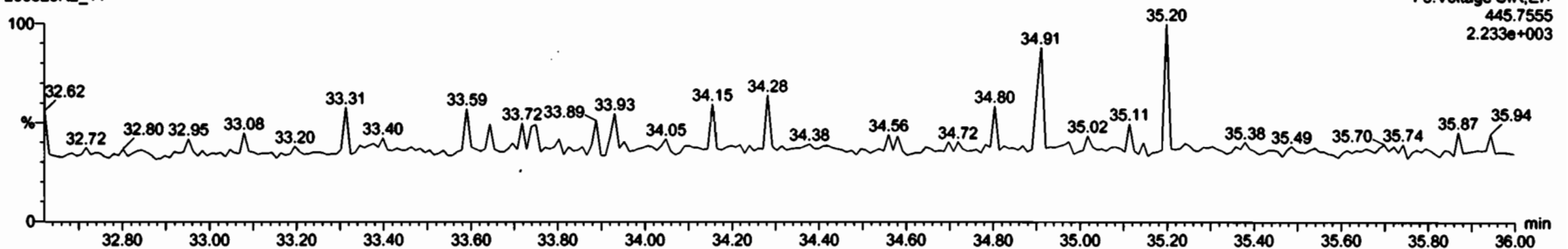


200529R2_11



DPE3

200529R2_11



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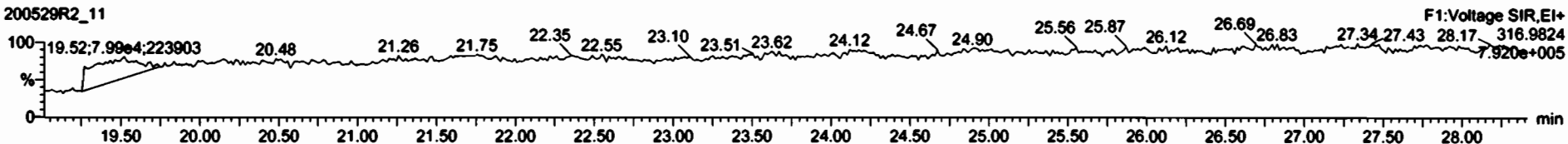
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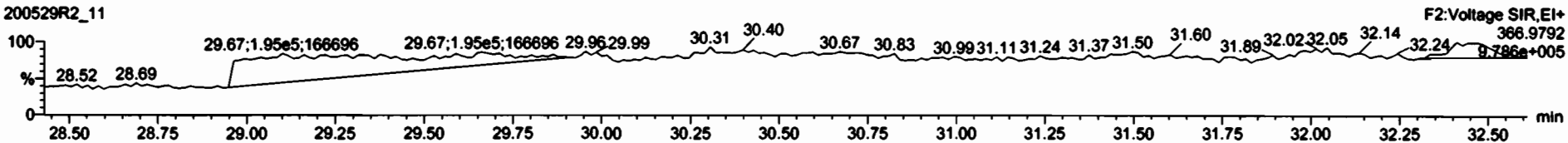
PFK1

200529R2_11



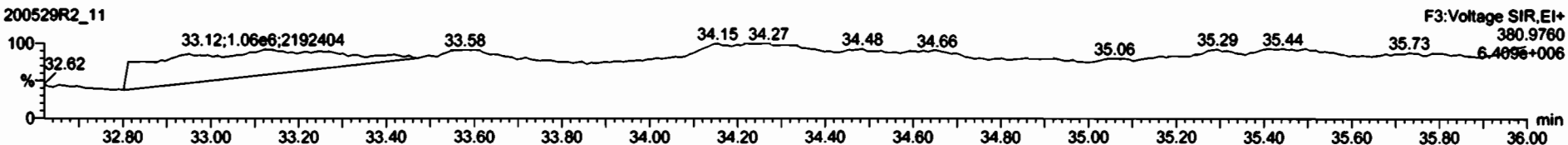
PFK2

200529R2_11



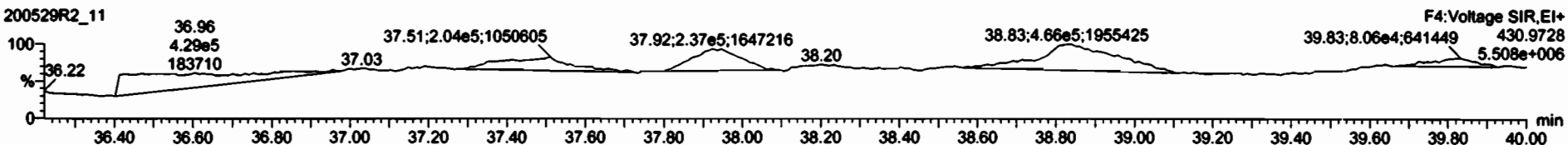
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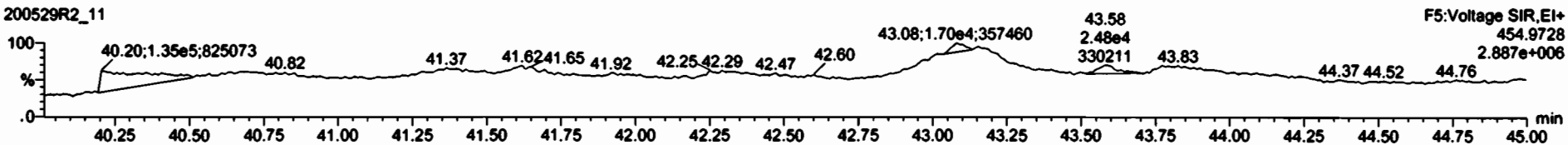
PFK4

200529R2_11



PFK5

200529R2_11



Dataset: U:\VG12.PRO\Results\200521R2\200521R2-11.qld

Last Altered: Friday, May 22, 2020 12:03:35 PM Pacific Daylight Time
Printed: Friday, May 22, 2020 12:08:54 PM Pacific Daylight Time

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CT 06/06/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200521R2_11, Date: 21-May-2020, Time: 20:47:29, ID: 2000957-12 PDI-147SC-A-14-14.5-200425 15.7, Description: PDI-147SC-A-14-14.5-200425

#	Name	Resp	RA	n/y	RRF	w/wol	Pred.RT	RT	RRR	RRF	Comp	SL	WPC
1	2,3,7,8-TCDD			NO	0.947	10.019	26.036	31.14	1.001	1.001		0.106	
2	1,2,3,7,8-PeCDD	5.57e2	0.70	NO	0.942	10.019	31.131	31.14	1.001	1.001	0.12494	0.178	0.125
3	1,2,3,4,7,8-HxCDD			NO	1.06	10.019	34.494		1.000	1.001		0.291	
4	1,2,3,6,7,8-HxCDD	3.74e3	1.20	NO	0.915	10.019	34.590	34.61	1.000	1.001	0.99874	0.254	0.997
5	1,2,3,7,8,9-HxCDD	1.29e3	1.05	YES	0.915	10.019	34.866	34.88	1.000	1.001	0.39178	0.203	0.363
6	1,2,3,4,6,7,8-HpCDD	1.22e5	1.04	NO	0.898	10.019	38.372	38.38	1.000	1.001	50.551	0.672	50.6
7	OCDD	7.11e5	0.90	NO	0.933	10.019	41.342	41.35	1.000	1.000	347.71	0.284	348
8	2,3,7,8-TCDF	6.17e3	0.78	NO	0.787	10.019	25.087	25.09	1.001	1.001	1.0147	0.0907	1.01
9	1,2,3,7,8-PeCDF	4.02e3	1.75	NO	0.910	10.019	29.818	29.83	1.001	1.001	0.64944	0.155	0.649
10	2,3,4,7,8-PeCDF	3.13e3	1.57	NO	0.966	10.019	30.835	30.83	1.001	1.001	0.49583	0.147	0.496
11	1,2,3,4,7,8-HxCDF	3.25e3	1.37	NO	0.878	10.019	33.621	33.64	1.000	1.001	0.88687	0.0890	0.887
12	1,2,3,6,7,8-HxCDF	1.50e3	1.19	NO	0.874	10.019	33.748	33.75	1.000	1.000	0.35918	0.0852	0.359
13	2,3,4,6,7,8-HxCDF	7.67e2	1.13	NO	0.922	10.019	34.347	34.33	1.001	1.001	0.20131	0.0953	0.201
14	1,2,3,7,8,9-HxCDF	5.65e2	1.32	NO	0.864	10.019	35.208	35.26	1.000	1.002	0.18791	0.143	0.188
15	1,2,3,4,6,7,8-HpCDF	5.81e3	0.98	NO	0.871	10.019	38.981	36.95	1.001	1.000	2.1562	0.122	2.16
16	1,2,3,4,7,8,9-HpCDF	6.31e2	0.78	YES	1.01	10.019	38.946	38.97	1.000	1.001	0.30840	0.156	0.264
17	OCDF	1.02e4	0.86	NO	0.802	10.019	41.523	41.53	1.000	1.000	4.7522	0.142	4.75
18	13C-2,3,7,8-TCDD	1.26e6	0.77	NO	1.16	10.019	25.984	26.00	1.026	1.027	198.16	99.3	0.302
19	13C-1,2,3,7,8-PeCDD	9.44e5	0.63	NO	0.847	10.019	31.068	31.11	1.227	1.229	203.01	102	0.396
20	13C-1,2,3,4,7,8-HxCDD	6.52e5	1.25	NO	0.750	10.019	34.495	34.48	1.014	1.014	194.10	97.2	0.471
21	13C-1,2,3,6,7,8-HxCDD	8.19e5	1.24	NO	0.963	10.019	34.607	34.59	1.017	1.017	189.61	95.0	0.367
22	13C-1,2,3,7,8,9-HxCDD	7.18e5	1.26	NO	0.838	10.019	34.876	34.86	1.025	1.025	191.35	95.9	0.422
23	13C-1,2,3,4,6,7,8-HpCDD	5.35e5	1.06	NO	0.641	10.019	38.366	38.36	1.128	1.128	186.20	93.3	0.454
24	13C-OCDD	8.74e5	0.87	NO	0.586	10.019	41.359	41.34	1.216	1.215	332.65	83.3	0.652
25	13C-2,3,7,8-TCDF	1.54e6	0.78	NO	1.03	10.019	25.045	25.06	0.989	0.990	197.45	98.9	0.398
26	13C-1,2,3,7,8-PeCDF	1.36e6	1.58	NO	0.845	10.019	29.759	29.80	1.176	1.177	212.64	107	0.700
27	13C-2,3,4,7,8-PeCDF	1.30e6	1.57	NO	0.814	10.019	30.749	30.80	1.215	1.217	211.92	106	0.727
28	13C-1,2,3,4,7,8-HxCDF	8.32e5	0.50	NO	1.00	10.019	33.634	33.62	0.989	0.988	184.80	92.6	0.640
29	13C-1,2,3,6,7,8-HxCDF	9.57e5	0.49	NO	1.14	10.019	33.756	33.74	0.992	0.992	187.70	94.0	0.566
30	13C-2,3,4,6,7,8-HxCDF	8.25e5	0.51	NO	1.02	10.019	34.325	34.31	1.009	1.009	180.07	90.2	0.829
31	13C-1,2,3,7,8,9-HxCDF	6.94e5	0.53	NO	0.845	10.019	35.216	35.21	1.035	1.035	183.31	91.8	0.761

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-11.qld

Last Altered: Friday, May 22, 2020 12:03:35 PM Pacific Daylight Time
Printed: Friday, May 22, 2020 12:08:54 PM Pacific Daylight Time

Name: 200521R2_11, Date: 21-May-2020, Time: 20:47:29, ID: 2000957-12 PDI-147SC-A-14-14.5-200425 15.7, Description: PDI-147SC-A-14-14.5-200425

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc	UCL	LCL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	6.17e5	0.43	NO	0.771	10.019	36.947	36.94	1.086	1.086	178.57	89.5	0.585	
33	13C-1,2,3,4,7,8,9-HpCDF	4.06e5	0.44	NO	0.482	10.019	38.957	38.95	1.145	1.145	187.89	94.1	0.936	
34	13C-OCDF	1.07e6	0.87	NO	0.669	10.019	41.529	41.52	1.221	1.221	357.65	89.6	0.374	
35	37Cl-2,3,7,8-TCDD	5.13e5			1.10	10.019	26.015	26.02	1.028	1.028	85.083	107	0.0589	
36	13C-1,2,3,4-TCDD	1.10e6	0.79	NO	1.00	10.019	25.350	25.32	1.000	1.000	199.62	100	0.350	
37	13C-1,2,3,4-TCDF	1.51e6	0.78	NO	1.00	10.019	23.560	23.53	1.000	1.000	199.62	100	0.412	
38	13C-1,2,3,4,6,9-HxCDF	8.95e5	0.52	NO	1.00	10.019	34.000	34.01	1.000	1.000	199.62	100	0.643	
39	Total Tetra-Dioxins				0.947	10.019	24.620		0.000				0.0552	
40	Total Penta-Dioxins				0.942	10.019	29.960		0.000		0.87715		0.178	0.970
41	Total Hexa-Dioxins				0.915	10.019	33.635		0.000		15.091		0.282	15.5
42	Total Hepta-Dioxins				0.898	10.019	37.640		0.000		121.15		0.672	121
43	Total Tetra-Furans				0.787	10.019	23.610		0.000		4.9010		0.0907	5.11
44	1st Func. Penta-Furans				0.910	10.019	27.090		0.000		1.5359		0.0475	1.54
45	Total Penta-Furans				0.910	10.019	29.275		0.000		2.4290		0.156	2.92
46	Total Hexa-Furans				0.922	10.019	33.555		0.000		5.7888		0.0967	5.79
47	Total Hepta-Furans				0.871	10.019	37.835		0.000		7.5134		0.146	7.78

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-11.qld

Last Altered: Friday, May 22, 2020 12:03:35 PM Pacific Daylight Time

Printed: Friday, May 22, 2020 12:08:54 PM Pacific Daylight Time

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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200521R2_11, Date: 21-May-2020, Time: 20:47:29, ID: 2000957-12 PDI-147SC-A-14-14.5-200425 15.7, Description: PDI-147SC-A-14-14.5-200425

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	CL
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Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	CL
Total Penta-Dioxins	28.85	1.224e4	1.343e4	8.275e2	1.160e3	0.71	NO	1.987e3	0.44576	0.44576	0.178
Total Penta-Dioxins	29.35	4.962e3	6.620e3	2.492e2	2.528e2	0.99	YES	0.000e0	0.00000	0.092422	0.178
Total Penta-Dioxins	29.86	5.635e3	8.320e3	2.649e2	4.296e2	0.62	NO	6.945e2	0.15578	0.15578	0.178
Total Penta-Dioxins	30.04	5.051e3	8.000e3	2.562e2	4.155e2	0.62	NO	6.717e2	0.15067	0.15067	0.178
1,2,3,7,8-PeCDD	31.14	6.144e3	6.893e3	2.297e2	3.274e2	0.70	NO	5.570e2	0.12494	0.12494	0.178

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	CL
Total Hexa-Dioxins	33.01	2.511e5	2.120e5	1.350e4	1.082e4	1.25	NO	2.432e4	7.2736	7.2736	0.282
Total Hexa-Dioxins	33.57	2.198e4	1.841e4	1.102e3	9.803e2	1.12	NO	2.082e3	0.62272	0.62272	0.282
Total Hexa-Dioxins	33.82	1.418e5	1.101e5	1.056e4	8.204e3	1.29	NO	1.876e4	5.6112	5.6112	0.282
Total Hexa-Dioxins	33.94	1.545e4	1.377e4	6.045e2	5.165e2	1.17	NO	1.121e3	0.33526	0.33526	0.282
1,2,3,6,7,8-HxCDD	34.61	3.456e4	3.442e4	2.036e3	1.702e3	1.20	NO	3.738e3	0.99674	0.99674	0.254
Total Hexa-Dioxins	34.79	9.848e3	7.252e3	4.670e2	3.730e2	1.25	NO	8.401e2	0.25125	0.25125	0.282
1,2,3,7,8,9-HxCDD	34.88	1.135e4	1.267e4	6.608e2	6.293e2	1.05	YES	1.290e3	0.00000	0.36250	0.303

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	CL
Total Hepta-Dioxins	37.34	1.084e6	1.043e6	8.532e4	8.471e4	1.01	NO	1.700e5	70.599	70.599	0.672
1,2,3,4,6,7,8-HpCDD	38.38	7.519e5	7.379e5	6.217e4	5.958e4	1.04	NO	1.218e5	50.551	50.551	0.672

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-11.qld

Last Altered: Friday, May 22, 2020 12:03:35 PM Pacific Daylight Time
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Name: 200521R2_11, Date: 21-May-2020, Time: 20:47:29, ID: 2000957-12 PDI-147SC-A-14-14.5-200425 15.7, Description: PDI-147SC-A-14-14.5-200425

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Comp	EMPC	DL
Total Tetra-Furans	19.76	2.597e3	3.259e3	1.888e2	2.556e2	0.74	NO	4.444e2	0.073097	0.073097	0.0907
Total Tetra-Furans	20.32	5.134e3	6.775e3	3.154e2	4.647e2	0.68	NO	0.000e0	0.00000	0.12830	0.0907
Total Tetra-Furans	20.90	1.740e4	2.574e4	1.674e3	2.190e3	0.76	NO	3.864e3	0.63555	0.63555	0.0907
Total Tetra-Furans	21.81	1.535e4	2.001e4	1.533e3	2.009e3	0.76	NO	3.543e3	0.58268	0.58268	0.0907
Total Tetra-Furans	22.29	9.295e3	9.942e3	7.121e2	8.159e2	0.87	NO	1.528e3	0.25132	0.25132	0.0907
Total Tetra-Furans	22.64	6.258e3	5.317e3	4.416e2	5.399e2	0.82	NO	9.814e2	0.16143	0.16143	0.0907
Total Tetra-Furans	23.43	7.561e3	9.504e3	5.000e2	6.820e2	0.73	NO	1.182e3	0.19441	0.19441	0.0907
Total Tetra-Furans	23.56	9.956e3	1.422e4	1.201e3	1.500e3	0.80	NO	2.701e3	0.44433	0.44433	0.0907
Total Tetra-Furans	24.07	2.649e4	3.403e4	2.442e3	3.172e3	0.77	NO	5.614e3	0.92337	0.92337	0.0907
Total Tetra-Furans	24.40	3.261e3	5.849e3	2.207e2	3.373e2	0.65	YES	0.000e0	0.00000	0.083439	0.0907
Total Tetra-Furans	24.99	9.941e3	1.416e4	6.433e2	8.894e2	0.72	NO	1.533e3	0.25210	0.25210	0.0907
2,3,7,8-TCDF	25.09	3.398e4	4.481e4	2.707e3	3.462e3	0.78	NO	6.169e3	1.0147	1.0147	0.0907
Total Tetra-Furans	25.50	5.245e3	8.875e3	5.263e2	6.962e2	0.76	NO	1.223e3	0.20108	0.20108	0.0907
Total Tetra-Furans	27.19	6.575e3	8.703e3	4.487e2	5.657e2	0.79	NO	1.014e3	0.16685	0.16685	0.0907

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Comp	EMPC	DL
1st Func. Penta-Furans	27.17	8.955e4	5.304e4	5.814e3	3.496e3	1.66	NO	9.310e3	1.5359	1.5359	0.0475

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Comp	EMPC	DL
Total Penta-Furans	28.65	8.284e3	6.167e3	2.972e2	2.506e2	1.19	YES	0.000e0	0.00000	0.080658	0.156
Total Penta-Furans	28.79	3.970e4	2.866e4	3.184e3	2.134e3	1.49	NO	5.318e3	0.87729	0.87729	0.156
Total Penta-Furans	29.40	1.363e4	9.175e3	9.908e2	2.178e2	1.38	NO	1.709e3	0.28187	0.28187	0.156
Total Penta-Furans	29.61	7.329e3	7.807e3	4.644e2	2.907e2	1.60	NO	7.552e2	0.12458	0.12458	0.156
1,2,3,7,8-PeCDF	29.83	4.167e4	2.361e4	2.556e3	1.461e3	1.75	NO	4.017e3	0.64944	0.64944	0.155
Total Penta-Furans	30.09	1.962e4	1.189e4	9.579e2	7.658e2	1.25	YES	0.000e0	0.00000	0.25998	0.156
2,3,4,7,8-PeCDF	30.83	3.923e4	2.108e4	1.910e3	1.217e3	1.57	NO	3.126e3	0.49583	0.49583	0.147
Total Penta-Furans	30.85	1.914e4	1.263e4	5.370e2	4.296e2	1.25	YES	0.000e0	0.00000	0.14574	0.156

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Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	By	Resp	Cal	Em	DA	DB
Total Hexa-Furans	32.46	2.196e4	1.683e4	1.113e3	8.695e2	1.28	NO	1.982e3	0.51899	0.51899	0.0967	
Total Hexa-Furans	32.63	5.594e4	4.436e4	2.965e3	2.382e3	1.24	NO	5.347e3	1.4001	1.4001	0.0967	
Total Hexa-Furans	33.17	8.102e4	7.289e4	4.532e3	3.736e3	1.21	NO	8.268e3	2.1650	2.1650	0.0967	
1,2,3,4,7,8-HxCDF	33.64	3.205e4	2.635e4	1.878e3	1.370e3	1.37	NO	3.248e3	0.88687	0.88687	0.0890	
1,2,3,6,7,8-HxCDF	33.75	1.394e4	1.084e4	8.169e2	6.873e2	1.19	NO	1.504e3	0.35918	0.35918	0.0852	
2,3,4,6,7,8-HxCDF	34.33	8.305e3	7.487e3	4.067e2	3.604e2	1.13	NO	7.871e2	0.20131	0.20131	0.0953	
1,2,3,7,8,9-HxCDF	35.26	5.427e3	5.434e3	3.208e2	2.439e2	1.32	NO	5.647e2	0.18791	0.18791	0.143	
Total Hexa-Furans	35.28	4.649e3	4.883e3	1.548e2	1.102e2	1.40	NO	2.650e2	0.069399	0.069399	0.0967	

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	By	Resp	Cal	Em	DA	DB
1,2,3,4,6,7,8-HpCDF	36.95	3.696e4	3.958e4	2.870e3	2.939e3	0.98	NO	5.810e3	2.1562	2.1562	0.122	
Total Hepta-Furans	37.55	7.940e4	7.629e4	6.030e3	5.936e3	1.02	NO	1.197e4	5.3572	5.3572	0.146	
1,2,3,4,7,8,9-HpCDF	38.97	4.457e3	4.585e3	2.772e2	3.535e2	0.78	YES	6.307e2	0.00000	0.26418	0.156	

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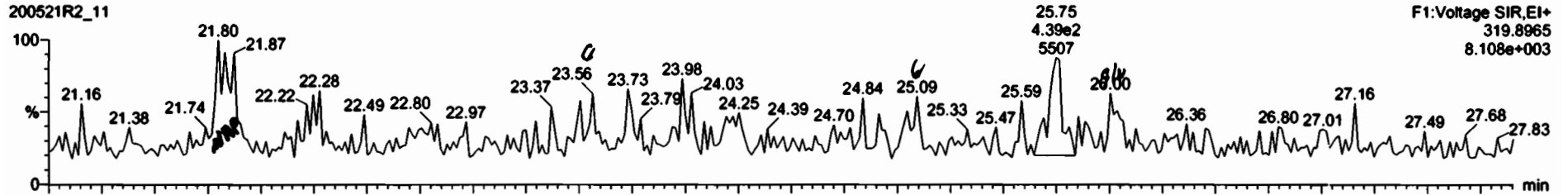
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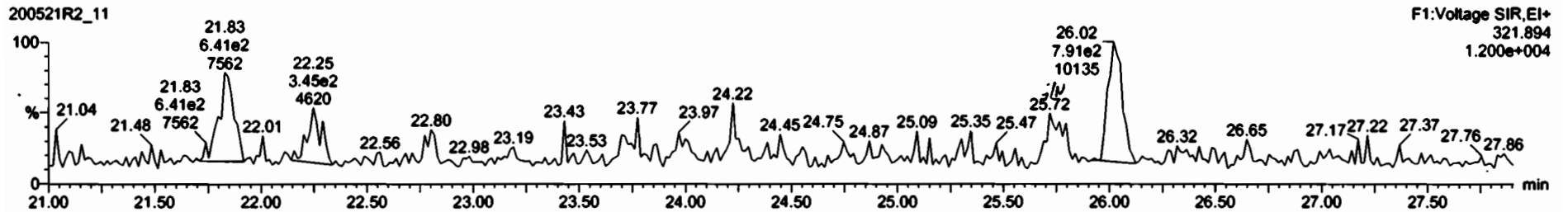
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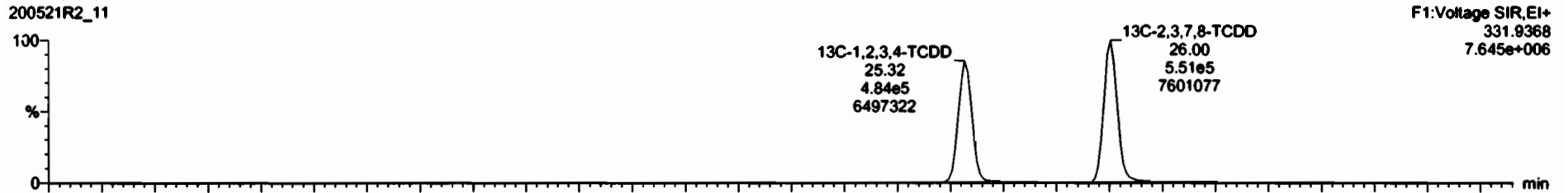


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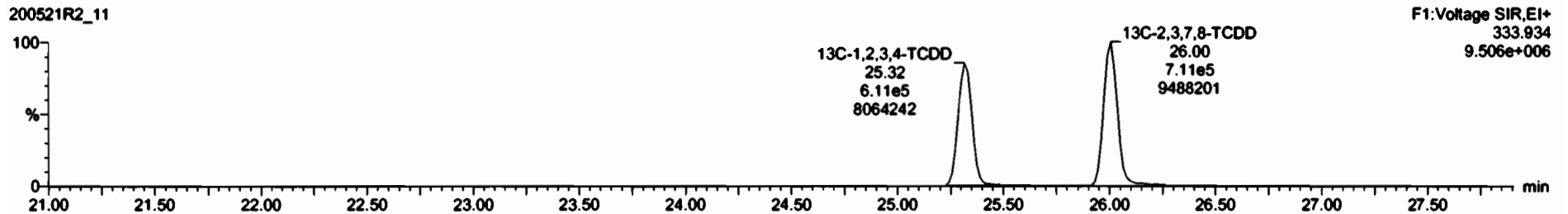


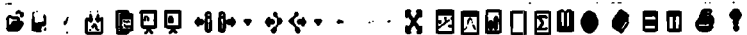
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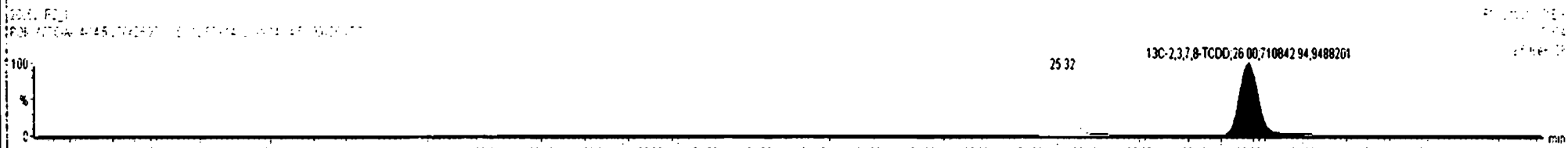
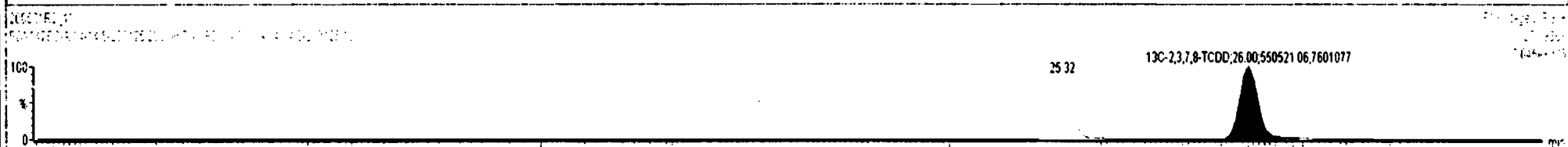
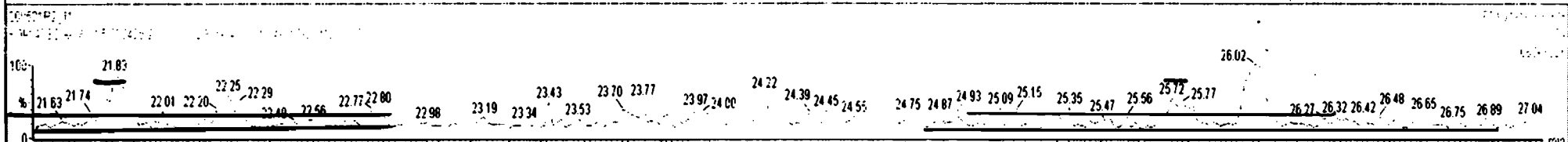
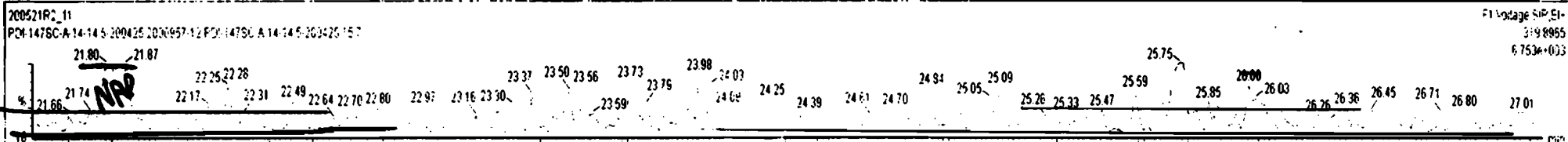
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#	Name	Resp	RA	nly	RFF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
39	Total Tetra-Dioxins				0.9475	10.019					0.0652	
40	Total Penta-Dioxins				0.9425	10.019			0.000		0.0763	0.798
41	Total Hexa-Dioxins				0.9145	10.019			14.6		0.262	15.2
42	Total Hepta-Dioxins				0.8979	10.019			118		0.672	118
43	Total Tetra-Furans				0.7871	10.019			4.45		0.0907	4.84
44	1st Func. Penta-Furans				0.9102	10.019			1.54		0.0475	1.54
45	Total Penta-Furans				0.9102	10.019			1.83		0.156	2.91
46	Total Hexa-Furans				0.9217	10.019			5.24		0.0967	5.67
47	Total Hepta-Furans				0.8712	10.019			7.44		0.147	7.44

#	Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1								



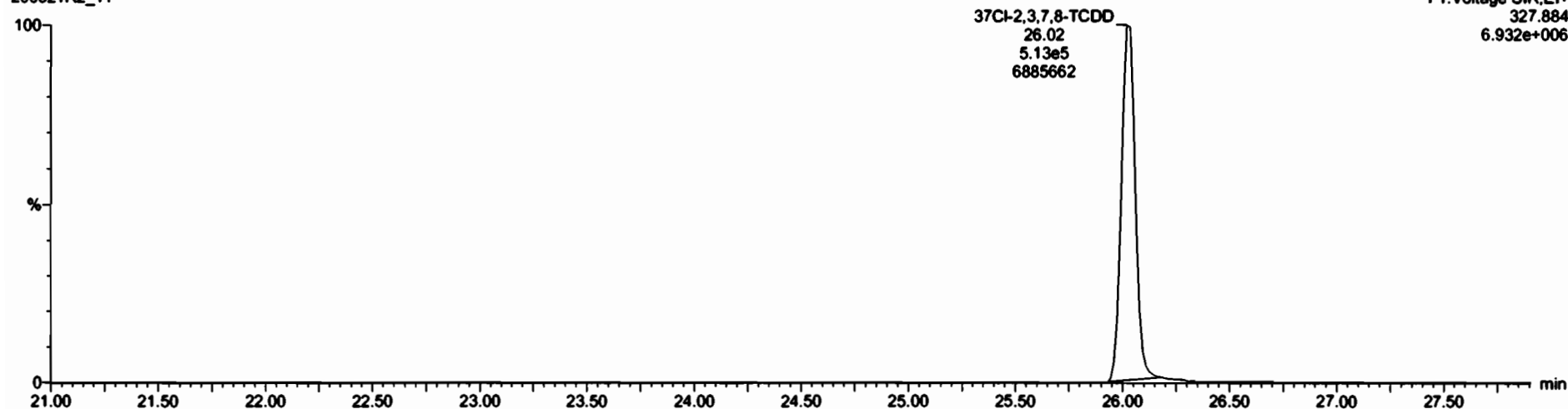
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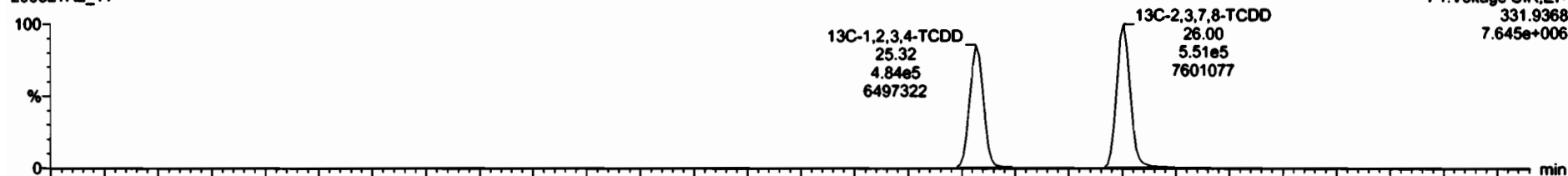
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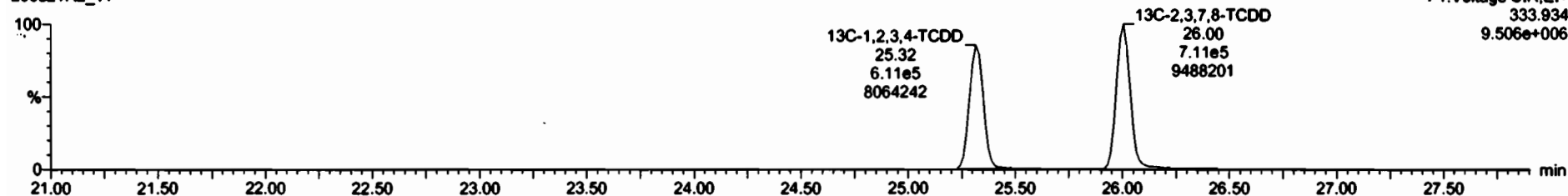


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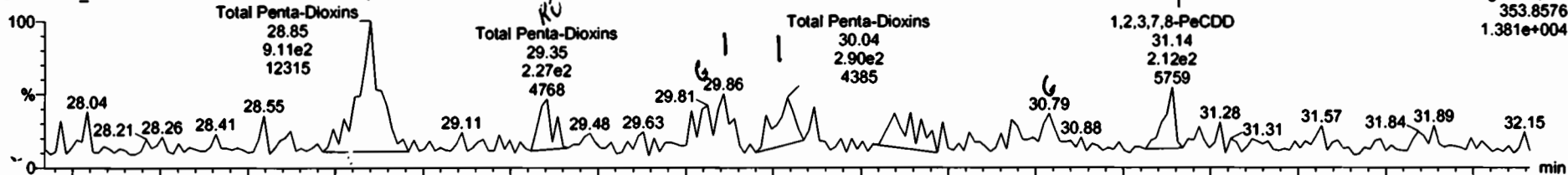
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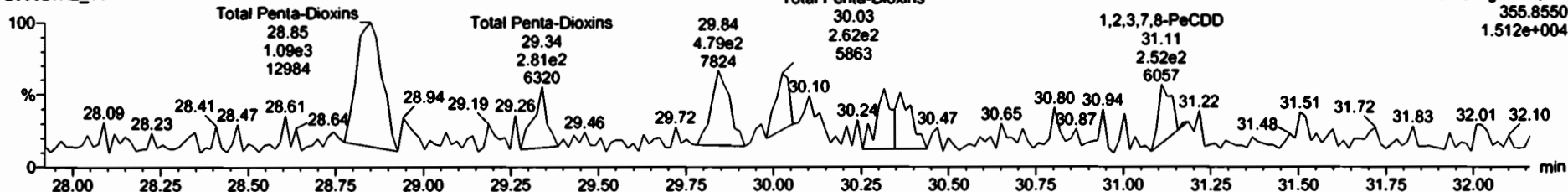
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1,2,3,7,8-PeCDD

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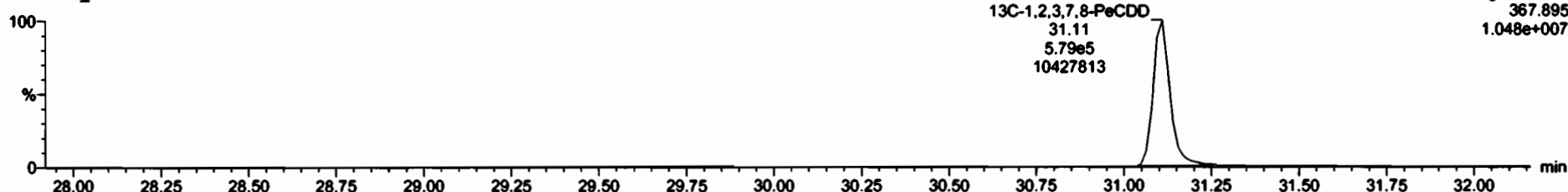


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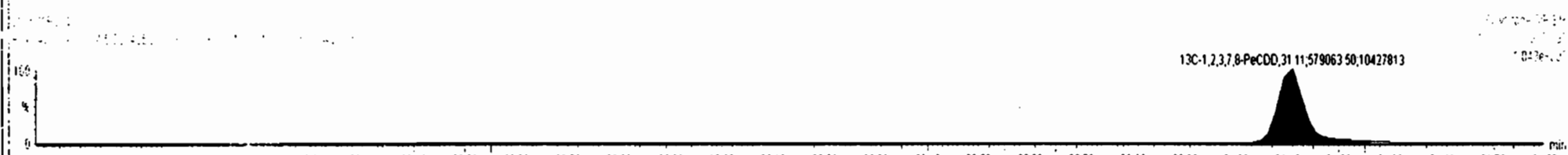
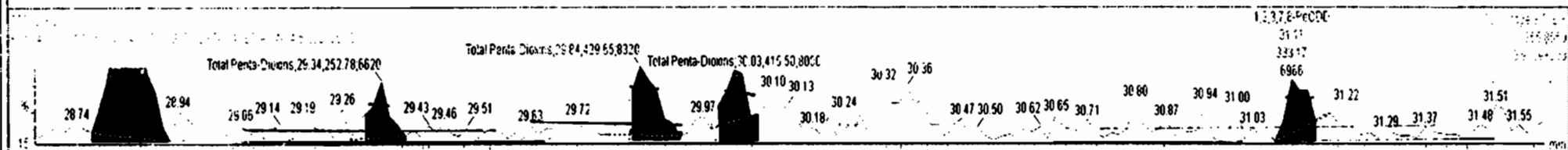
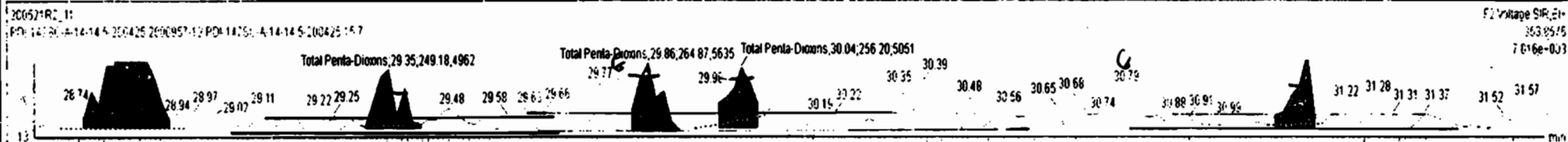
200521R2_11





Name	Resp	RA	nly	RRF	wMol	RT	RRT	Conc.	%Rec	DL	EMPC
38 Total Tetra-Dioxins				0.9475	10.019					0.0552	
40 Total Penta-Dioxins				0.9425	10.019			0.078		0.178	0.071
41 Total Hexa-Dioxins				0.9145	10.019			14.6		0.282	15.2
42 Total Hepta-Dioxins				0.8579	10.019			118		0.672	118
43 Total Tetra-Furans				0.7871	10.019			4.45		0.0907	4.84
44 1st Func. Penta-Furans				0.9102	10.019			1.54		0.0475	1.54
45 Total Penta-Furans				0.9102	10.019			1.83		0.156	2.91
46 Total Hexa-Furans				0.9217	10.019			5.24		0.0967	5.67
47 Total Hepta-Furans				0.8712	10.019			7.44		0.147	7.44

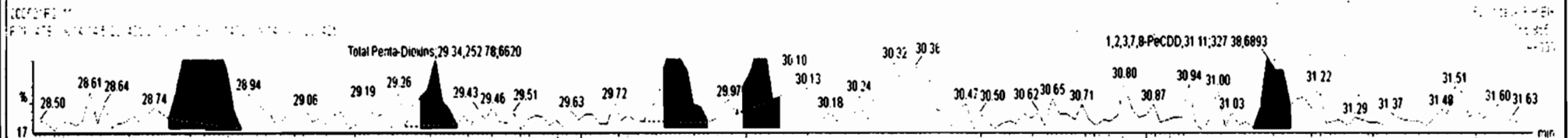
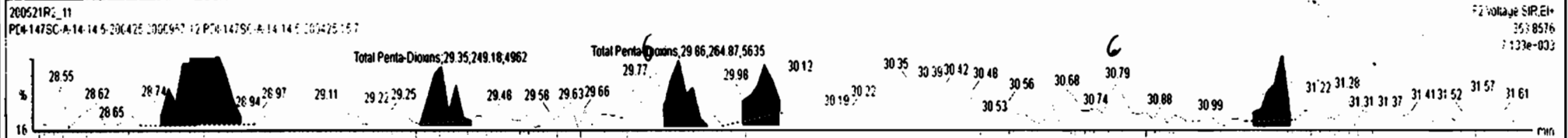
Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 1,2,3,7,8-PeCDD	31.14	2.297e2	3.332e2	0.69	NO	0.12624	0.12624
2 Total Penta-Dioxins	30.04	2.562e2	4.155e2	0.62	NO	0.15067	0.15067
3 Total Penta-Dioxins	29.35	2.432e2	2.528e2	0.99	YES	0.092422	0.00000
4 Total Penta-Dioxins	28.85	8.275e2	1.160e3	0.71	NO	0.44576	0.44576
5 Total Penta-Dioxins	29.86	2.649e2	4.236e2	0.62	NO	0.15578	0.15578





#	Name	Resp	RA	nly	RFF	wtVal	RT	RRT	Conc.	%Rec	DL	EMPC
40	Total Penta-Dioxins				0.9425	10.019			0.877		0.178	0.870
41	Total Hexa-Dioxins				0.9145	10.019			14.0		0.282	14.0

#	Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1	Total Penta-Dioxins	28.85	8.275e2	1.160e3	0.71	NO	0.44576	0.44576
2	Total Penta-Dioxins	29.35	2.432e2	2.528e2	0.99	YES	0.092422	0.00000
3	Total Penta-Dioxins	29.86	2.643e2	4.296e2	0.62	NO	0.15578	0.15578
4	Total Penta-Dioxins	30.04	2.562e2	4.155e2	0.62	NO	0.15067	0.15067
5	1,2,3,7,8-PeCDD	31.14	2.297e2	3.274e2	0.70	NO	0.12494	0.12494



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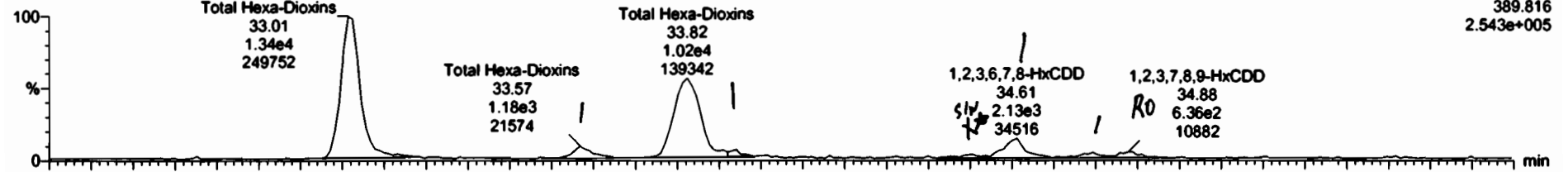
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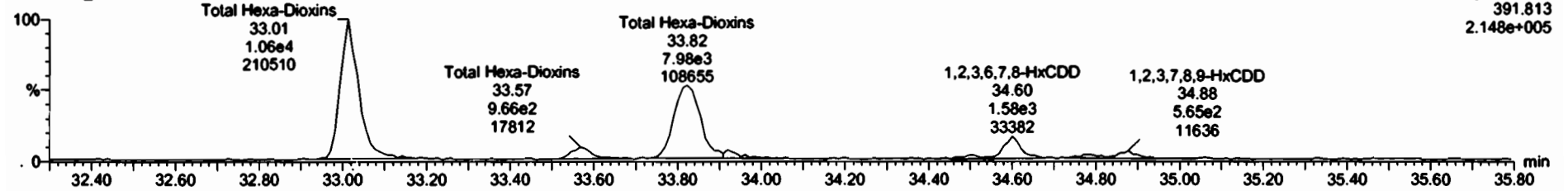
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1,2,3,4,7,8-HxCDD

200521R2_11

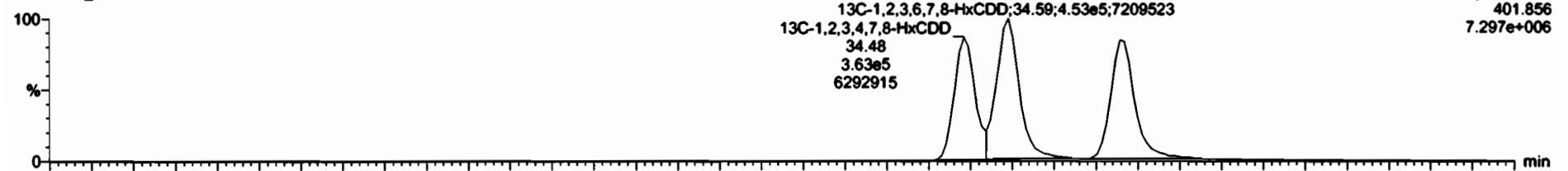


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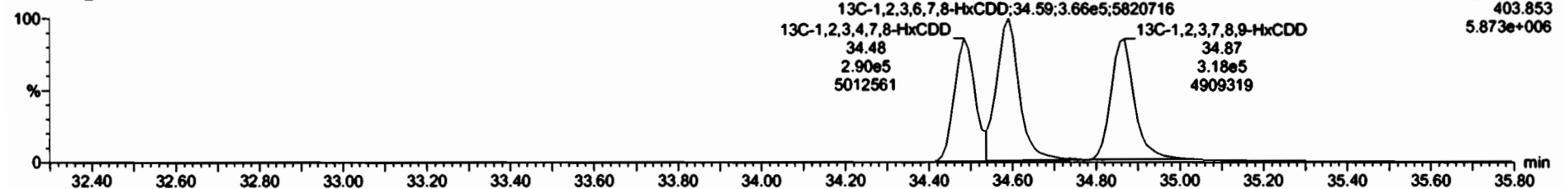


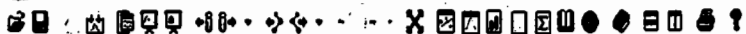
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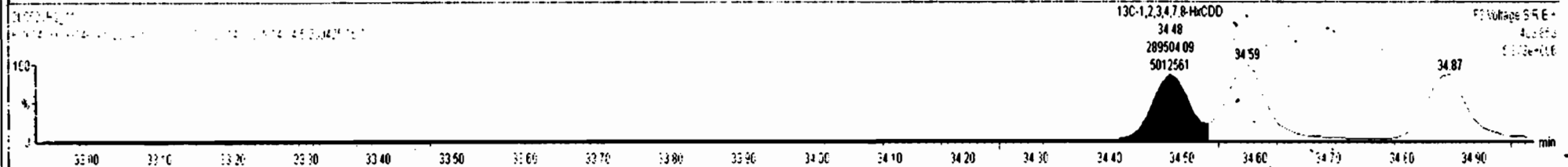
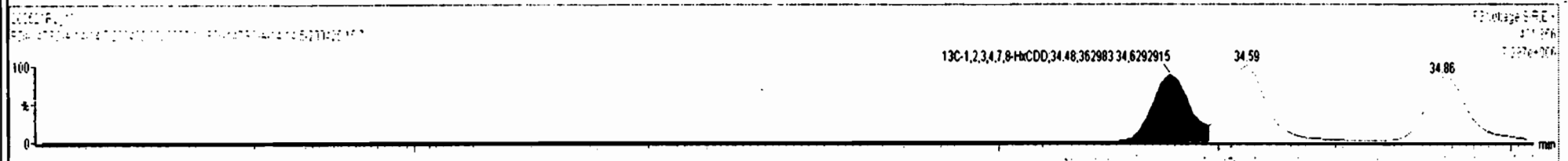
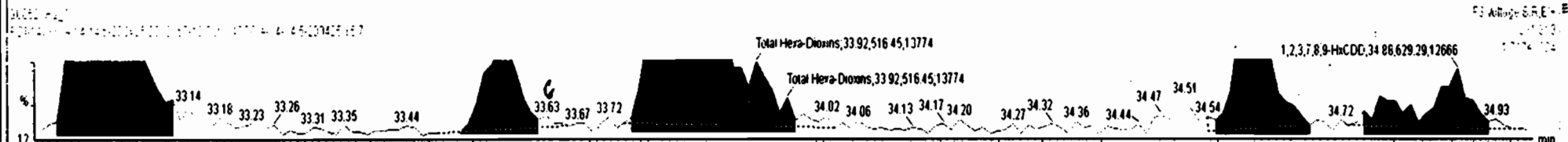
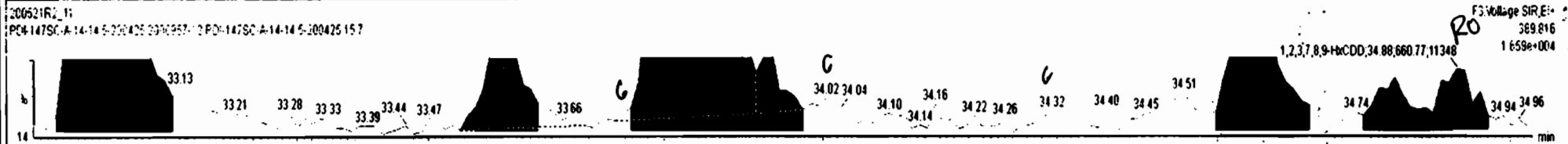
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#	Name	Resp	RA	nly	RFI	wVal	RT	RRT	Conc.	%Rec	DL	EMPC
40	Total Penta-Dioxins				0.9425	10.019			0.877		0.178	0.970
41	Total Hexa-Dioxins				0.9145	18.019			15.1		0.282	15.5

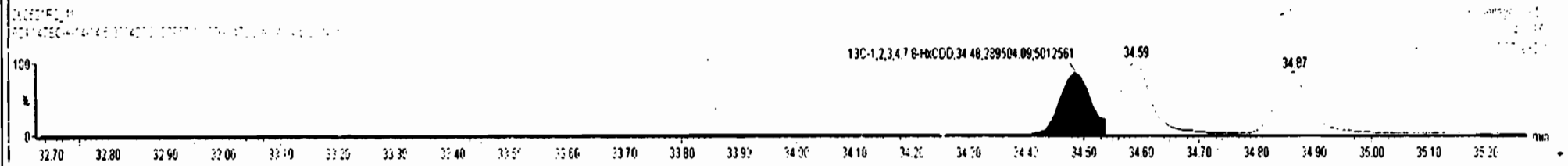
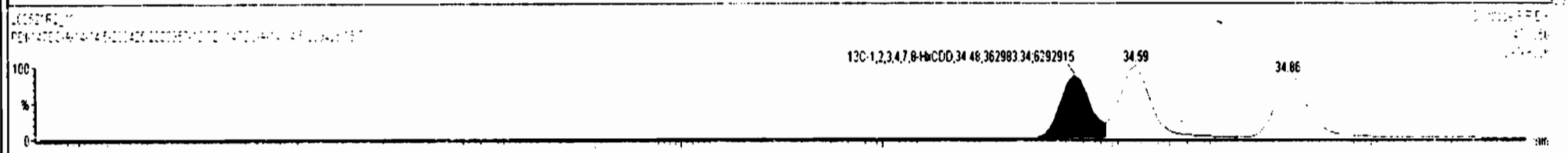
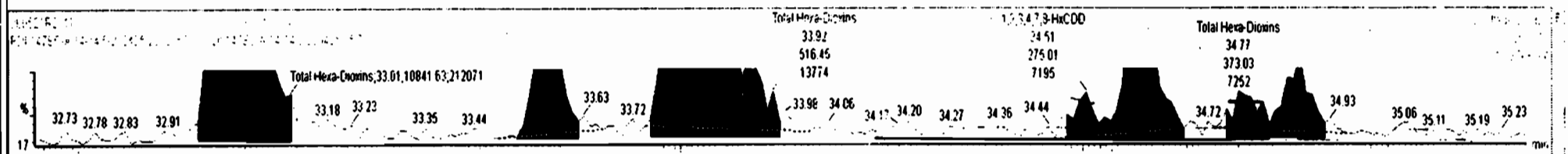
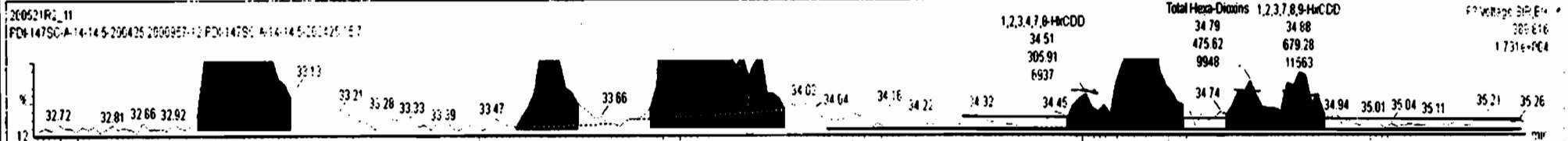
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1	Total Hexa-Dioxins	33.01	1.350e4	1.062e4	1.25	NO	7.2736	7.2736
2	Total Hexa-Dioxins	33.57	1.102e3	9.803e2	1.12	NO	0.62272	0.62272
3	Total Hexa-Dioxins	33.82	1.056e4	8.204e3	1.29	NO	5.6112	5.6112
4	Total Hexa-Dioxins	33.94	6.045e2	5.165e2	1.17	NO	0.33526	0.33526
5	1,2,3,6,7,8-HxCDD	34.61	2.036e3	1.702e3	1.20	NO	0.99674	0.99674
6	Total Hexa-Dioxins	34.79	4.670e2	3.730e2	1.25	NO	0.25125	0.25125
7	1,2,3,7,8,9-HxCDD	34.88	6.608e2	6.250e2	1.05	YES	0.36250	0.00000





#	Name	Resp	RA	nly	RFI	wtAvr	RT	RRT	Conc.	%Rec	DL	EMPC
40	Total Penta-Dioxins				0.9425	10.019			0.877		0.178	0.970
41	Total Hexa-Dioxins				0.8145	10.019			15.7		0.282	15.7

#	Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc
1	Total Hexa-Dioxins	33.01	1.350e4	1.084e4	1.25	NO	7.2796	7.2796
2	Total Hexa-Dioxins	33.57	1.102e3	9.803e2	1.12	NO	0.62272	0.62272
3	Total Hexa-Dioxins	33.82	1.056e4	8.204e3	1.29	NO	5.6112	5.6112
4	Total Hexa-Dioxins	33.94	6.045e2	5.165e2	1.17	NO	0.33526	0.33526
5	1,2,3,4,7,8-HxCDD	34.51	3.059e2	2.750e2	1.11	NO	0.16702	0.16702
6	1,2,3,6,7,8-HxCDD	34.61	2.087e3	1.738e3	1.20	NO	1.0200	1.0200
7	Total Hexa-Dioxins	34.79	4.756e2	3.730e2	1.28	NO	0.25381	0.25381
8	1,2,3,7,8,9-HxCDD	34.88	6.793e2	6.290e2	1.08	NO	0.38731	0.38731



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Printed: Friday, May 22, 2020 7:58:30 AM Pacific Daylight Time

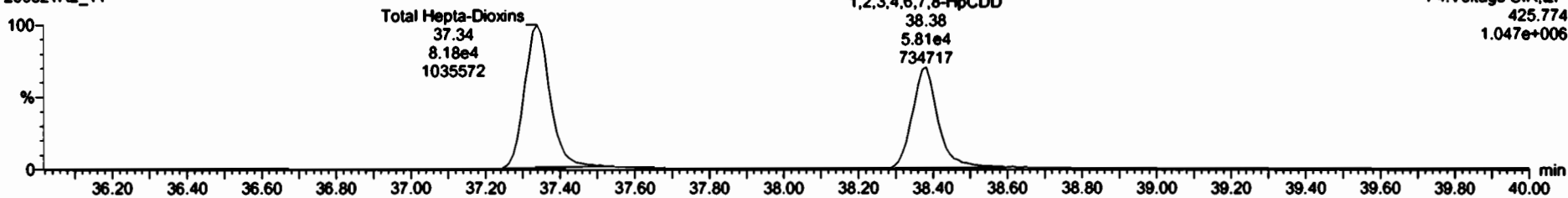
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1,2,3,4,6,7,8-HpCDD

200521R2_11

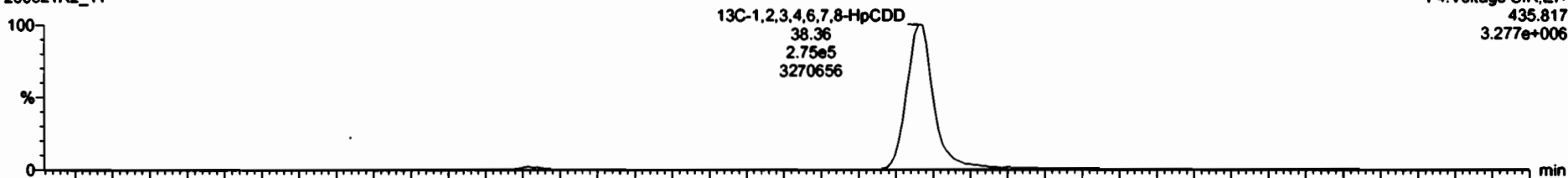


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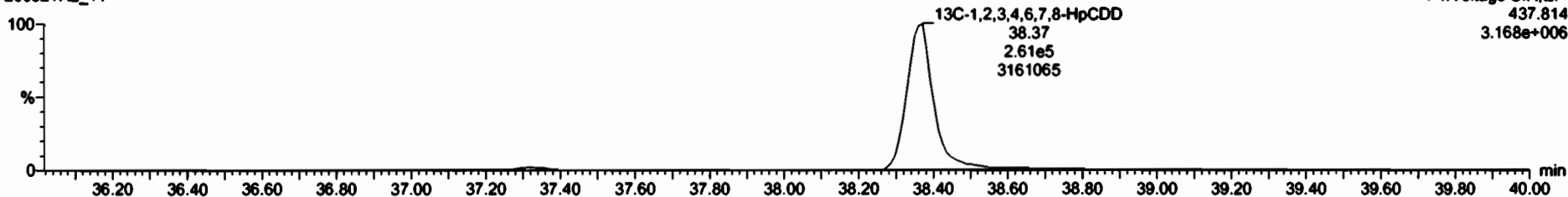


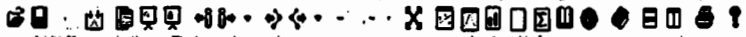
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200521R2_11



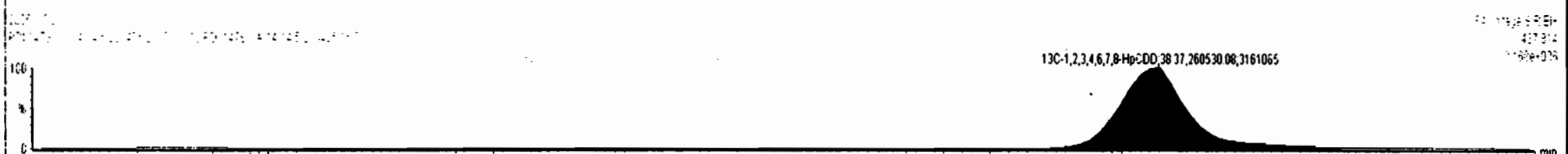
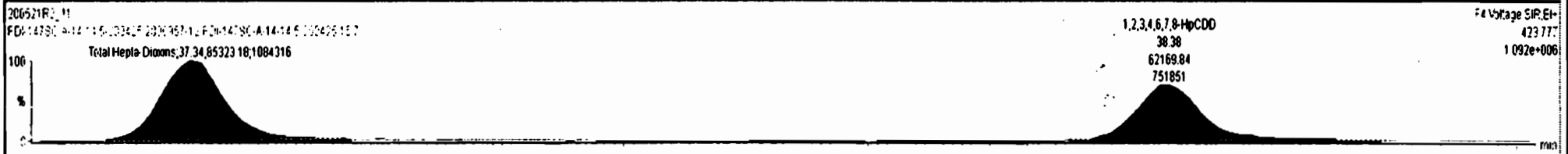
200521R2_11





#	Name	Resp	RA	n/y	RF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
41	Total Hexa-Dioxins				0.9145	10.019			15.3		0.282	15.7
42	Total Hepta-Dioxins				0.8879	10.019			1.21		0.672	1.21
43	Total Tetra-Furans				0.7871	10.019			4.23		0.0807	4.62
44	1st Func. Penta-Furans				0.9102	10.019			1.54		0.0475	1.54
45	Total Penta-Furans				0.9102	10.019			1.83		0.156	2.91
46	Total Hexa-Furans				0.9717	10.019			5.24		0.0867	4.62

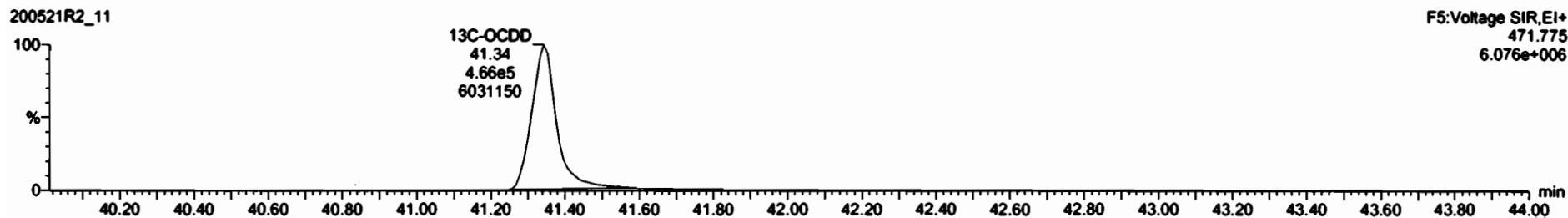
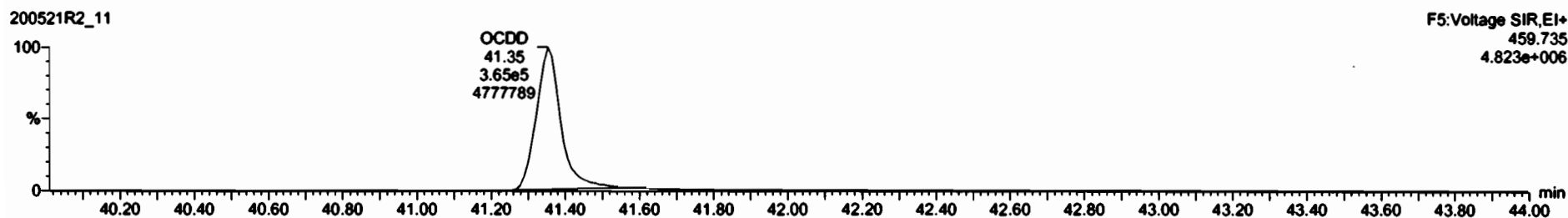
#	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hepta-Dioxins	37.34	8.532e4	8.471e4	1.01	NO	70.599	70.599
2	1,2,3,4,6,7,8-HpCDD	38.38	6.217e4	5.958e4	1.04	NO	50.551	50.551

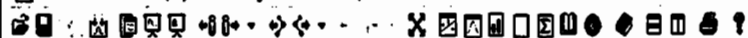


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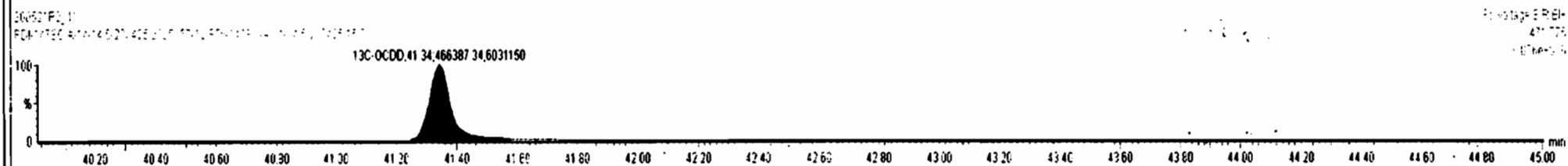
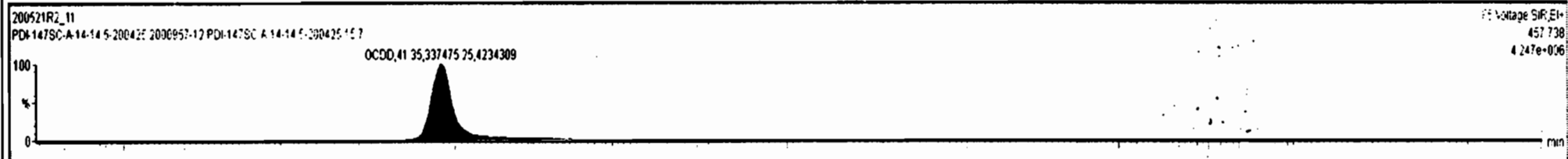
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#	Name	Resp	RA	n/y	RF	w/w	RT	RRT	Conc.	%Rec	DL	EMPC
6	1,2,3,4,6,7,8-HpCDD	1.22e5	1.04	NO	0.8879	10.019	38.38	1.001	50.6		0.572	50.6
7	OCDD	7.91e5	0.90	NO	0.8335	10.019	41.35	1.000	348		0.204	348

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

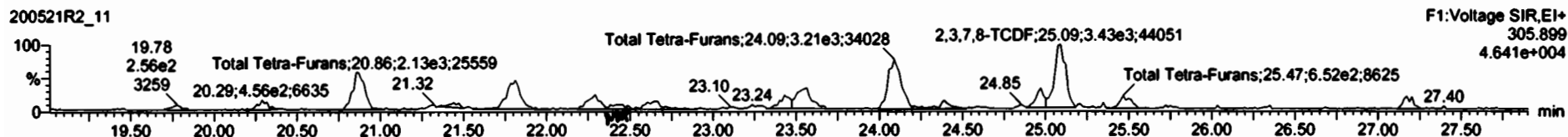
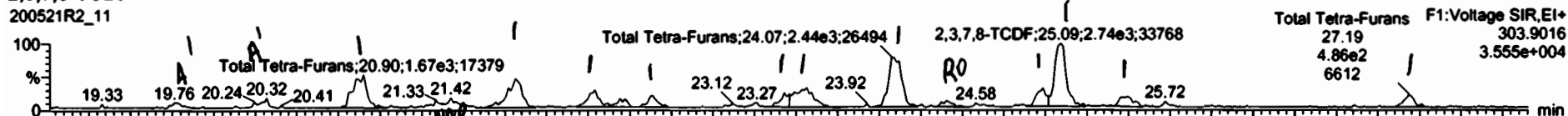


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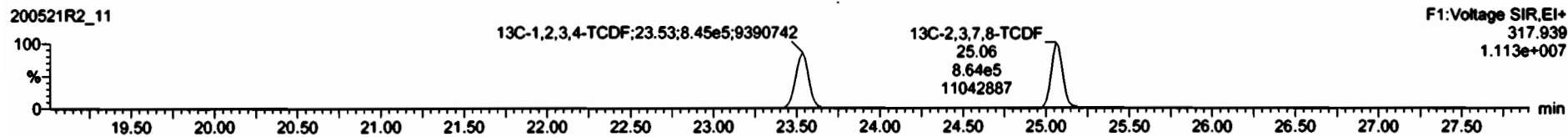
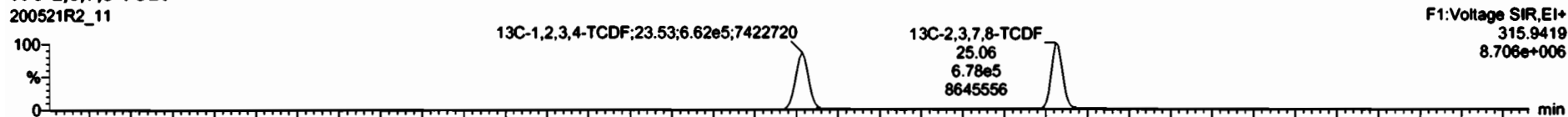
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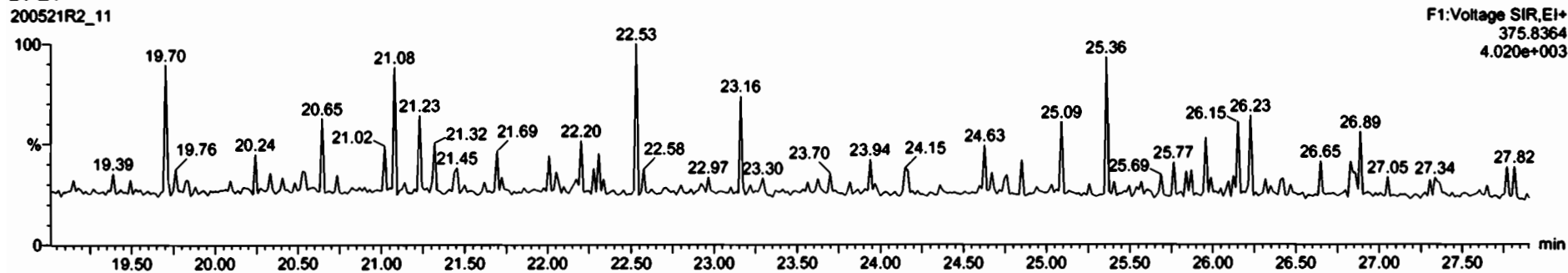
2,3,7,8-TCDF

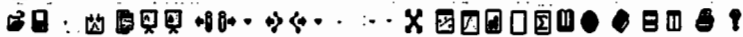


13C-2,3,7,8-TCDF



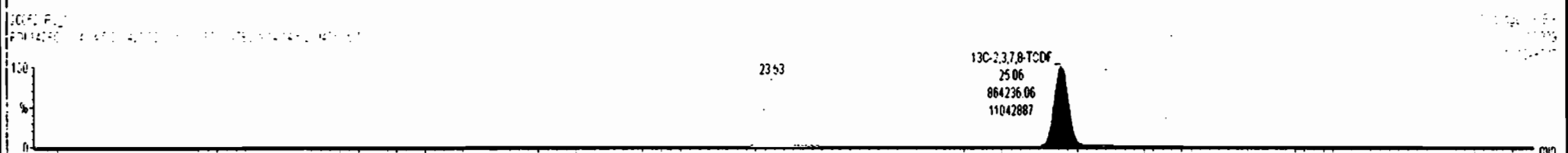
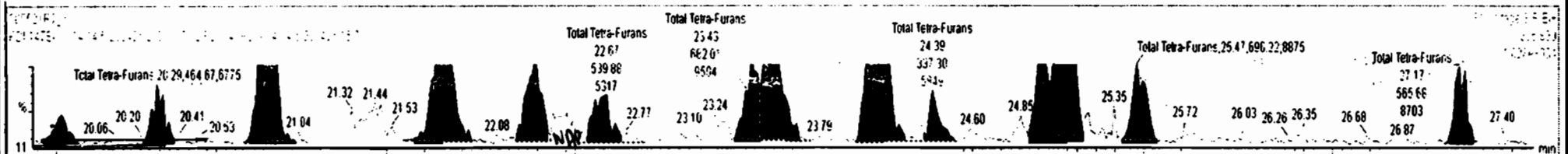
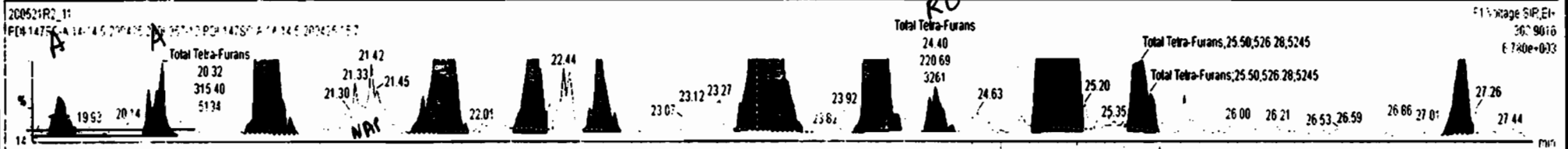
DPE1





Name	Resp	RA	nly	RFF	wtval	RT	RRT	Conc.	%Rec	DL	BMP
43 Total Tetra-Furans				0.7871	10.019			4.90	0.0807	5.11	
44 1st Func. Penta-Furans				0.9102	10.019			1.54	0.0475	1.54	
45 Total Penta-Furans				0.9102	10.019			0.625	0.156	1.60	
46 Total Hexa-Furans				0.9217	10.019			5.24	0.0867	5.67	
47 Total Hepta-Furans				0.8712	10.019			7.44	0.147	7.44	

Name	RT	m1 Resp	m2 Resp	RA	nly	BMP	Conc.
1 Total Tetra-Furans	19.76	1.880e2	2.556e2	0.74	NO	0.073097	0.073097
2 Total Tetra-Furans	20.32	3.154e2	4.647e2	0.68	NO	0.12830	0.00000
3 Total Tetra-Furans	20.90	1.674e3	2.190e3	0.76	NO	0.63555	0.63555
4 Total Tetra-Furans	21.81	1.533e3	2.009e3	0.76	NO	0.58268	0.58268
5 Total Tetra-Furans	22.29	7.121e2	8.159e2	0.87	NO	0.25132	0.25132
6 Total Tetra-Furans	22.64	4.416e2	5.399e2	0.82	NO	0.16143	0.16143
7 Total Tetra-Furans	23.43	5.000e2	6.820e2	0.73	NO	0.19441	0.19441
8 Total Tetra-Furans	23.56	1.201e3	1.500e3	0.80	NO	0.44433	0.44433
9 Total Tetra-Furans	24.07	2.442e3	3.172e3	0.77	NO	0.92337	0.92337



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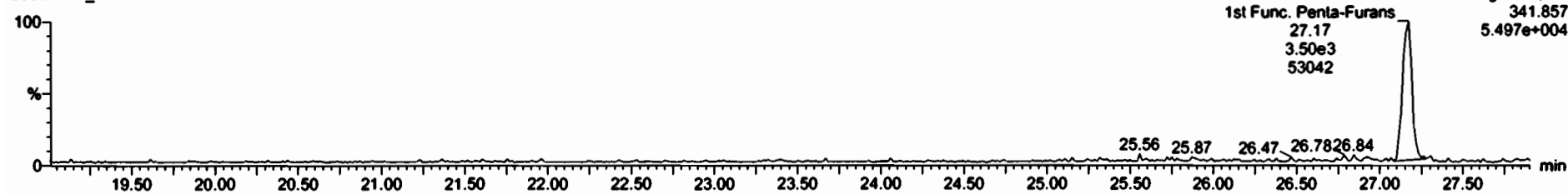
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1st Func. Penta-Furans

200521R2_11

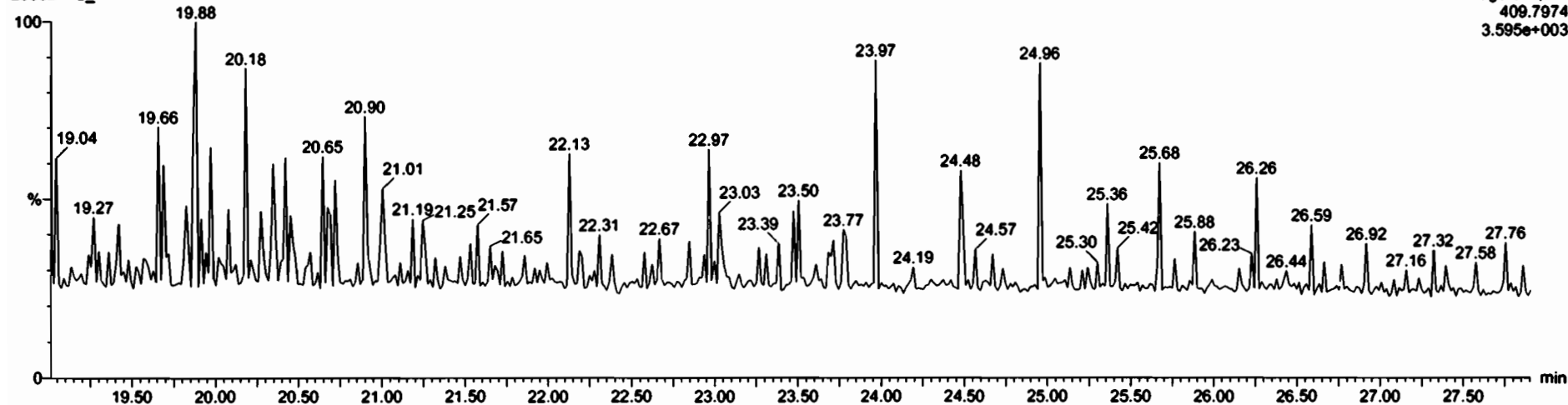


200521R2_11



DPE6

200521R2_11



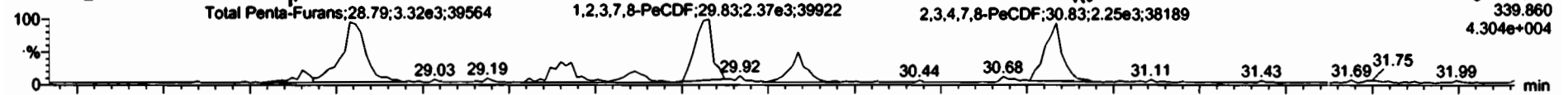
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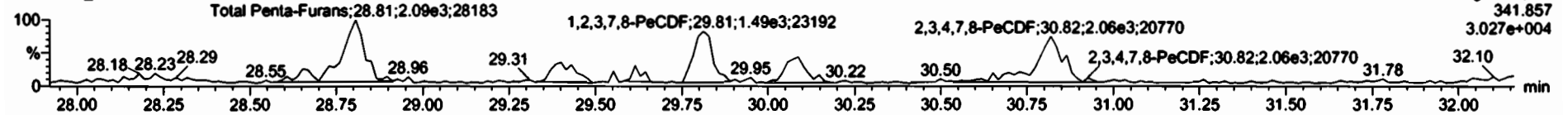
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1,2,3,7,8-PeCDF

200521R2_11

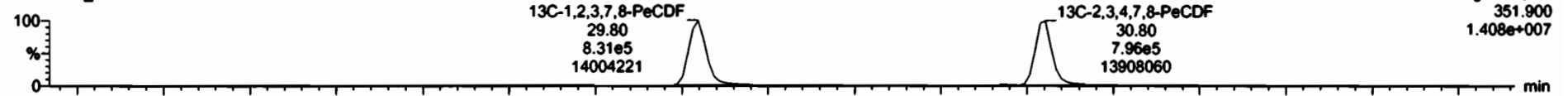


200521R2_11

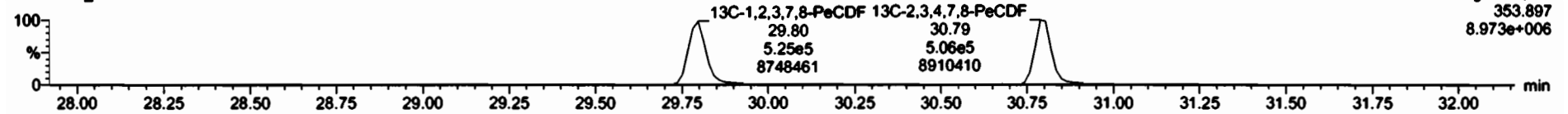


13C-1,2,3,7,8-PeCDF

200521R2_11

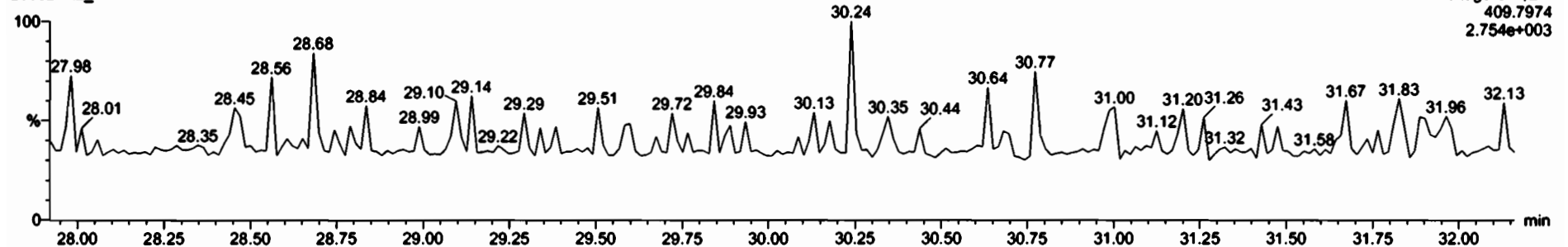


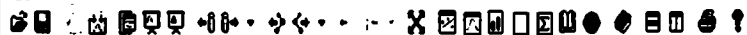
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DPE2

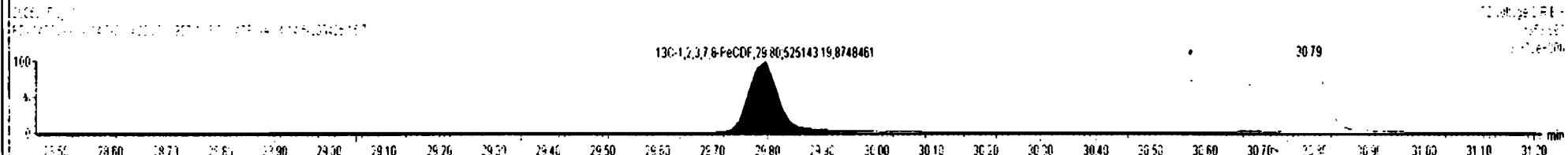
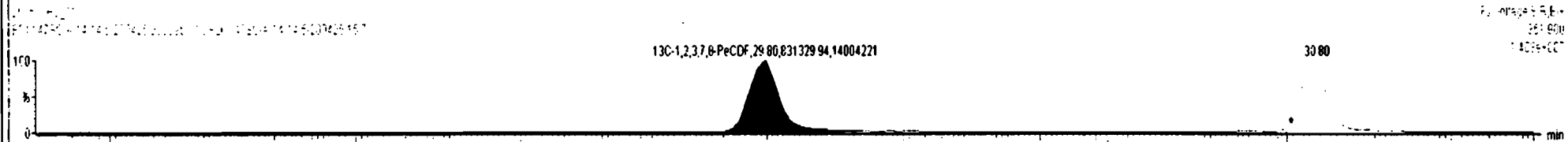
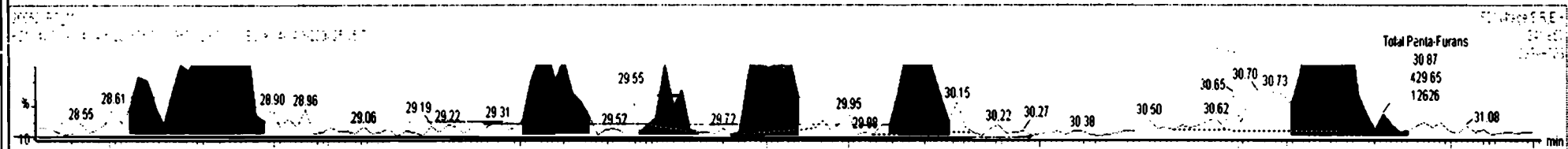
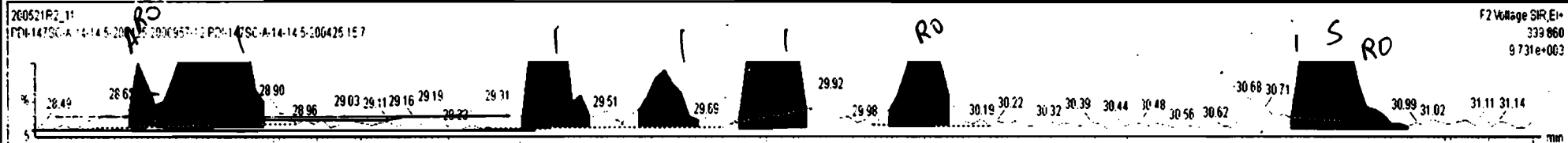
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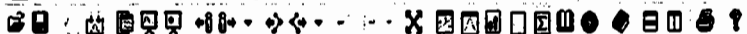




SI	Name	Resp	RA	nly	RRF	wMol	RT	RRT	Conc.	%Rec	DL	EMPC
43	Total Tetra-Furans				0.7871	10.019			4.90	0.0907	5.11	
44	1st Func. Penta-Furans				0.9102	10.019			1.54	0.0475	1.54	

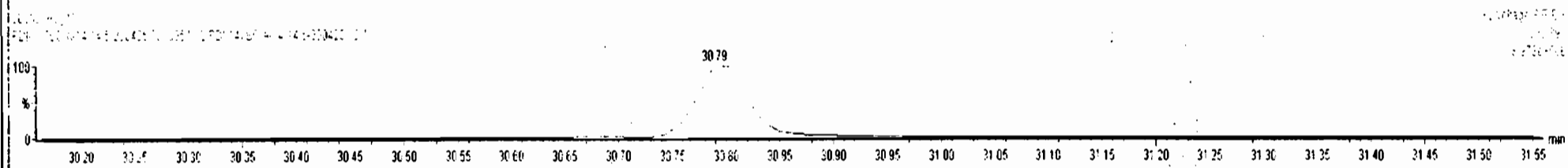
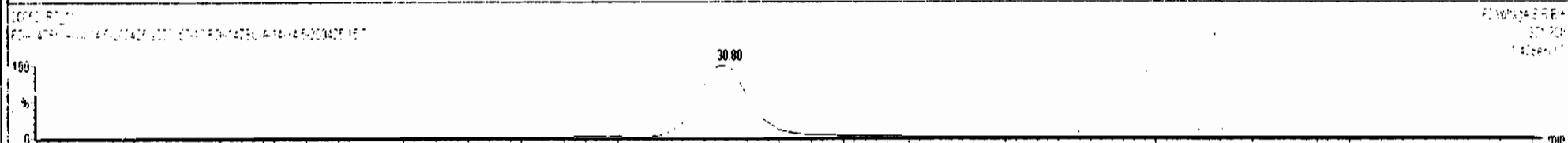
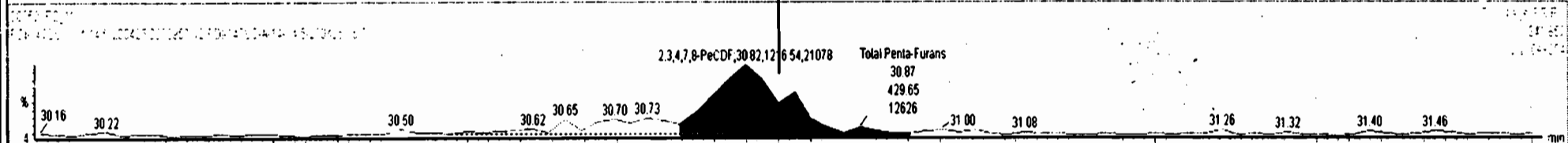
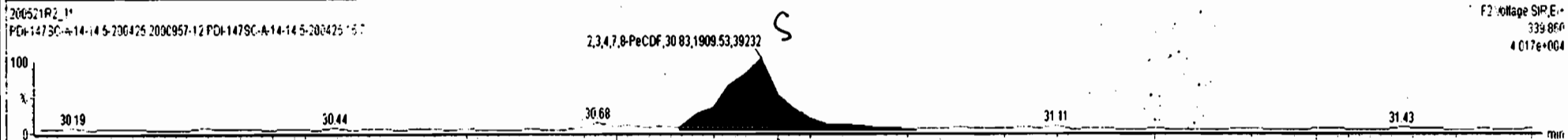
SI	Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1	Total Penta-Furans	28.65	2.972e2	2.506e2	1.19	YES	0.080658	0.00000
2	Total Penta-Furans	28.79	3.184e3	2.134e3	1.49	NO	0.87729	0.87729
3	Total Penta-Furans	29.40	9.908e2	7.178e2	1.38	NO	0.28187	0.28187
4	Total Penta-Furans	29.61	4.644e2	2.907e2	1.60	NO	0.12458	0.12458
5	1,2,3,7,8-PeCDF	29.83	2.558e3	1.461e3	1.75	NO	0.64944	0.64944
6	Total Penta-Furans	30.09	9.579e2	7.658e2	1.25	YES	0.25936	0.00000
7	2,3,4,7,8-PeCDF	30.83	1.910e3	1.217e3	1.57	NO	0.49583	0.49583
8	Total Penta-Furans	30.85	5.370e2	4.296e2	1.25	YES	0.14574	0.00000





Name	Resp	RA	n/y	R/F	w/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7871	10.019			4.90	0.0907	5.11	
44 1st Func. Penta-Furans				0.9102	10.019			1.54	0.0475	1.54	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	28.79	3.218e3	2.134e3	1.51	NO	0.88299	0.88299
2 Total Penta-Furans	29.40	9.908e2	7.178e2	1.38	NO	0.28187	0.28187
3 Total Penta-Furans	29.61	4.644e2	2.907e2	1.60	NO	0.12458	0.12458
4 1,2,3,7,8-PeCDF	29.83	2.556e3	1.461e3	1.75	NO	0.64944	0.64944
5 Total Penta-Furans	30.09	9.579e2	7.658e2	1.25	YES	0.25998	0.00000
6 2,3,4,7,8-PeCDF	30.83	1.910e3	1.217e3	1.57	NO	0.49583	0.49583
7 Total Penta-Furans	30.85	5.370e2	4.296e2	1.25	YES	0.14574	0.00000

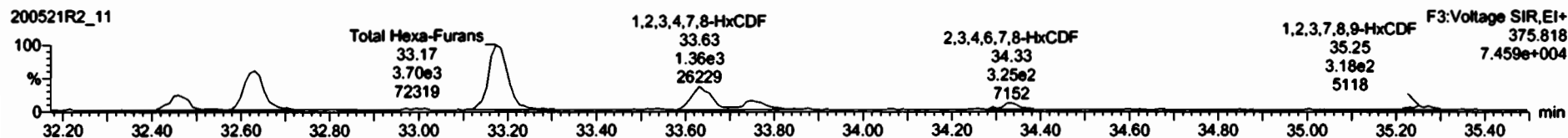
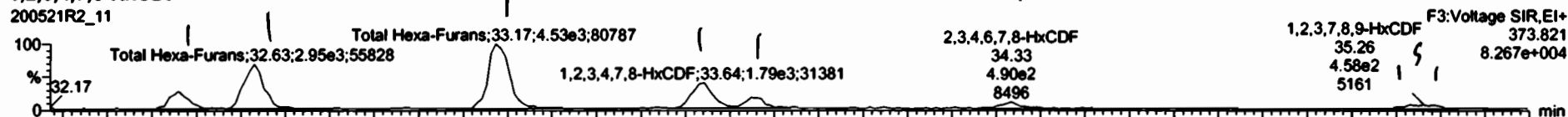


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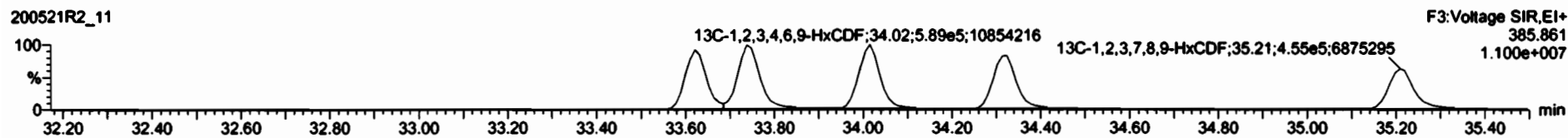
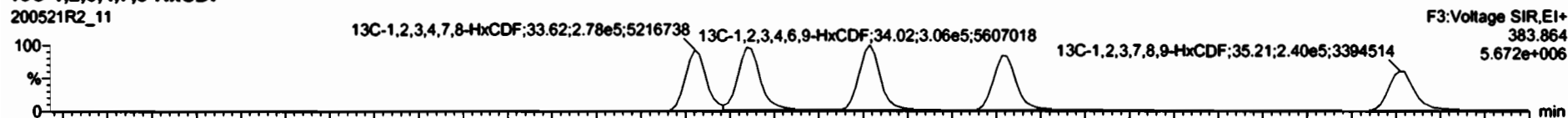
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Name: 200521R2_11, Date: 21-May-2020, Time: 20:47:29, ID: 2000957-12 PDI-147SC-A-14-14.5-200425 15.7, Description: PDI-147SC-A-14-14.5-200425

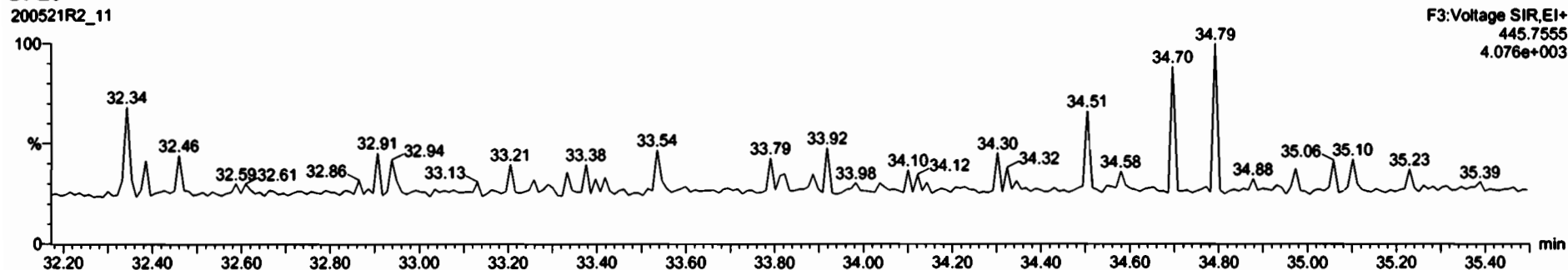
1,2,3,4,7,8-HxCDF

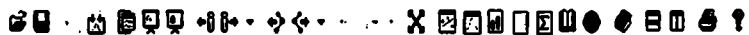


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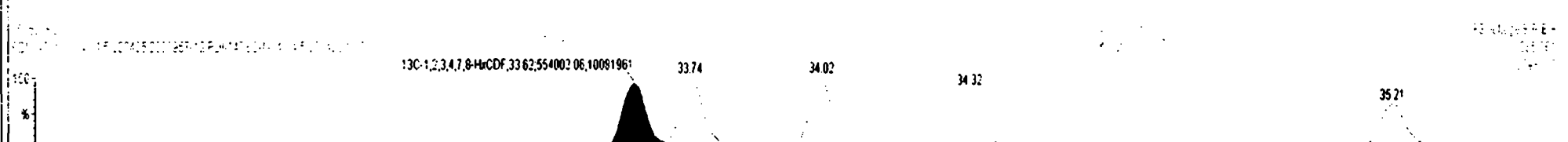
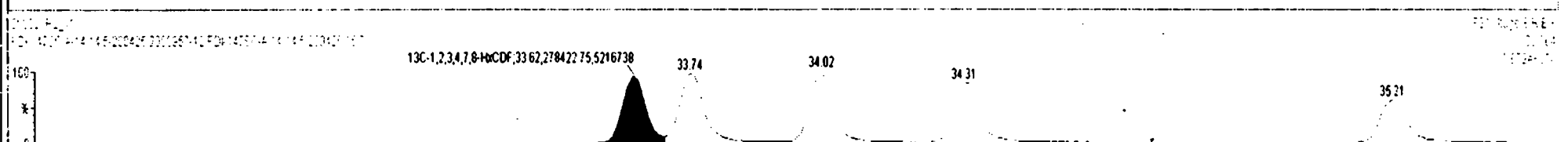
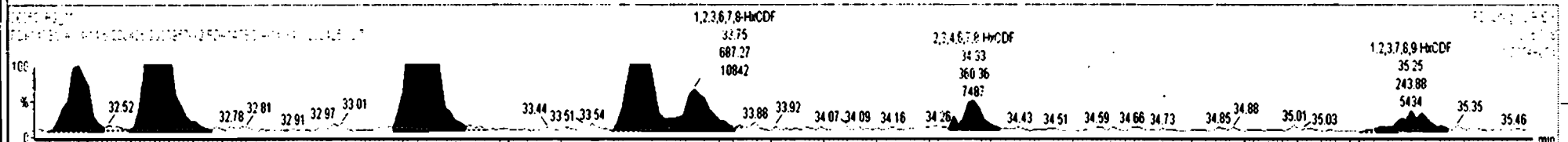
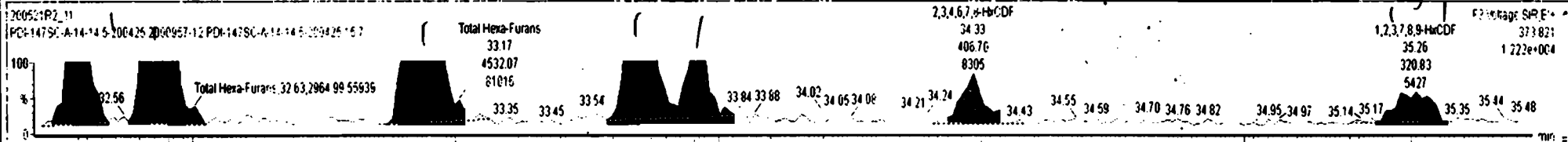
DPE3

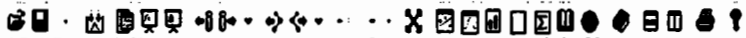




Name	Resp	RA	rv	RF	wVel	RT	RRT	Conc.	%Rec	DL	EMPC
46 Total Hexa-Furans				0.8217	10.019			5.79	0.8967	5.79	
47 Total Hepta-Furans				0.8712	10.019			7.44	0.147	7.44	

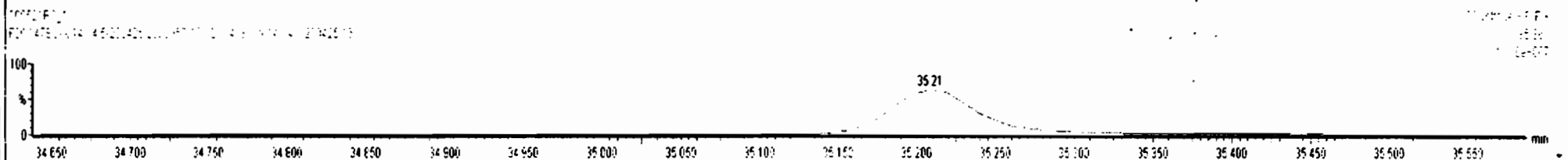
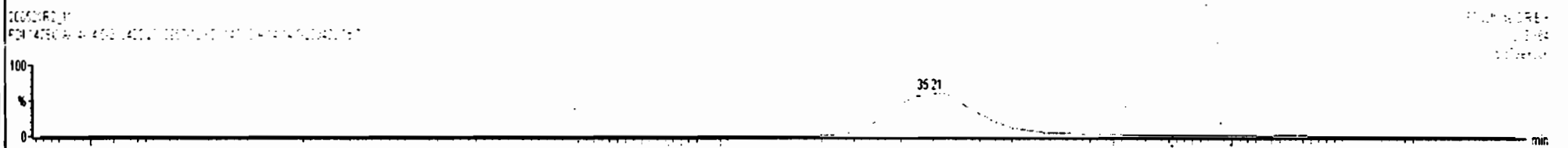
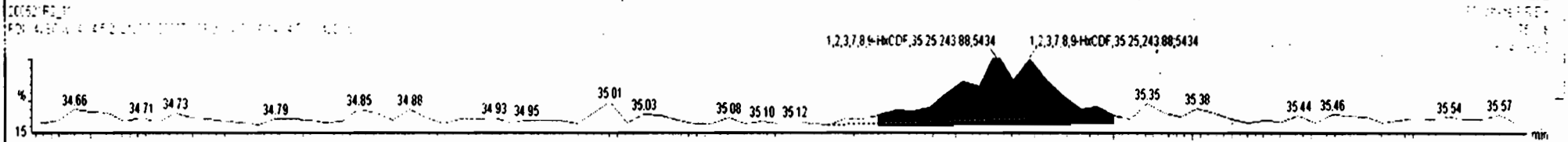
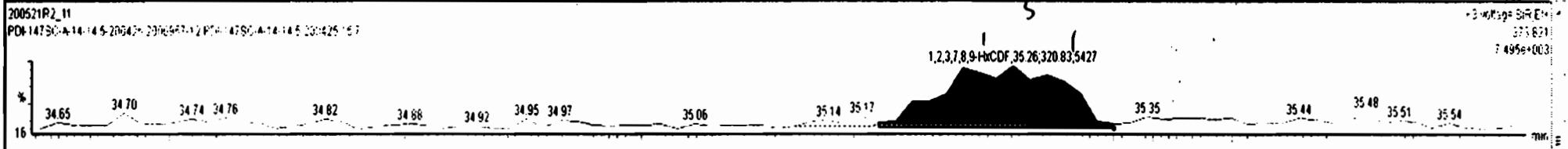
Name	RT	m1 Resp	m2 Resp	RA	rv	EMPC	Conc.
1 Total Hexa-Furans	32.46	1.113e3	8.695e2	1.28	NO	0.51099	0.51099
2 Total Hexa-Furans	32.63	2.965e3	2.362e3	1.24	NO	1.4001	1.4001
3 Total Hexa-Furans	33.17	4.532e3	3.736e3	1.21	NO	2.1650	2.1650
4 1,2,3,4,7,8-HxCDF	33.64	1.878e3	1.370e3	1.37	NO	0.86687	0.86687
5 1,2,3,6,7,8-HxCDF	33.75	8.169e2	6.873e2	1.19	NO	0.35918	0.35918
6 2,3,4,6,7,8-HxCDF	34.33	4.067e2	3.604e2	1.13	NO	0.20131	0.20131
7 1,2,3,7,8,9-HxCDF	35.26	3.208e2	2.439e2	1.32	NO	0.18791	0.18791
8 Total Hexa-Furans	35.28	1.548e2	1.102e2	1.40	NO	0.069399	0.069399





#	Name	Resp	RA	n/y	R/F	wt/wt	RT	RRT	Conc.	%Rec	DL	EMPC
46	Total Hexa-Furans				0.8217	10.019			5.83		0.0087	5.83
47	Total Hepta-Furans				0.8712	10.019			7.44		0.147	7.44

#	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	32.46	1.113e3	8.695e2	1.28	NO	0.51899	0.51899
2	Total Hexa-Furans	32.63	2.965e3	2.382e3	1.24	NO	1.4001	1.4001
3	Total Hexa-Furanc	33.17	4.610e3	3.809e3	1.21	NO	2.2045	2.2045
4	1,2,3,4,7,8-HxCDF	33.64	1.878e3	1.370e3	1.37	NO	0.88687	0.88687
5	1,2,3,6,7,8-HxCDF	33.75	8.169e2	6.873e2	1.19	NO	0.35918	0.35918
6	2,3,4,6,7,8-HxCDF	34.33	4.068e2	3.604e2	1.13	NO	0.20134	0.20134
7	1,2,3,7,8,9-HxCDF	35.26	3.208e2	2.439e2	1.32	NO	0.18791	0.18791
8	Total Hexa-Furans	35.28	1.548e2	1.102e2	1.40	NO	0.069399	0.069399



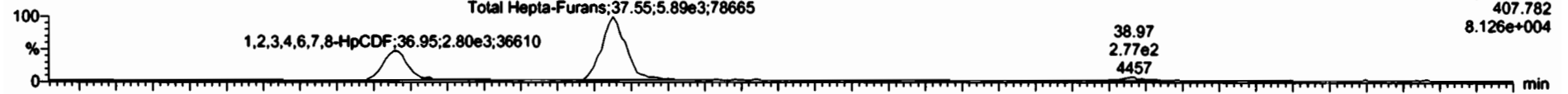
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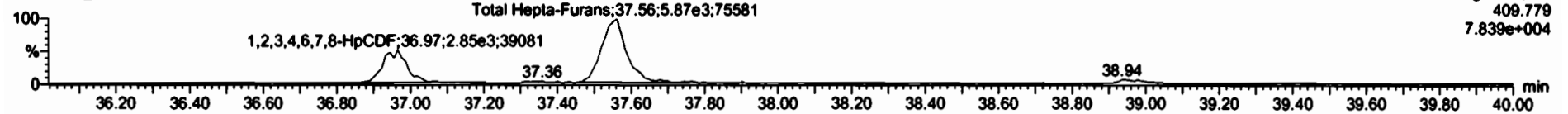
Name: 200521R2_11, Date: 21-May-2020, Time: 20:47:29, ID: 2000957-12 PDI-147SC-A-14-14.5-200425 15.7, Description: PDI-147SC-A-14-14.5-200425

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200521R2_11

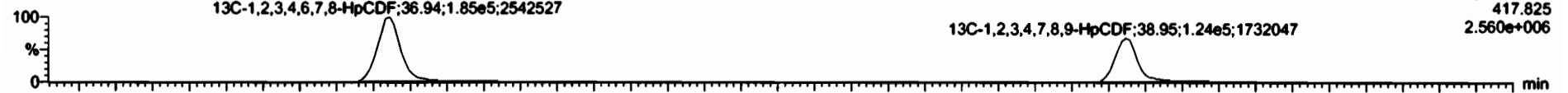


200521R2_11

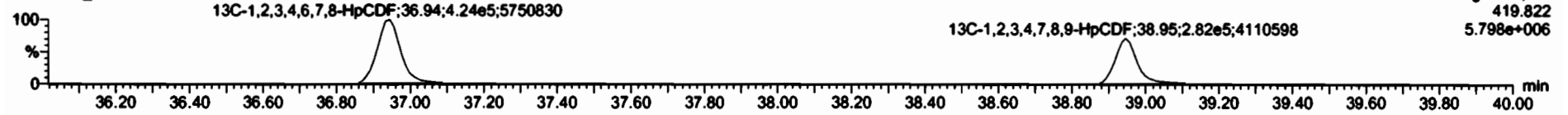


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200521R2_11

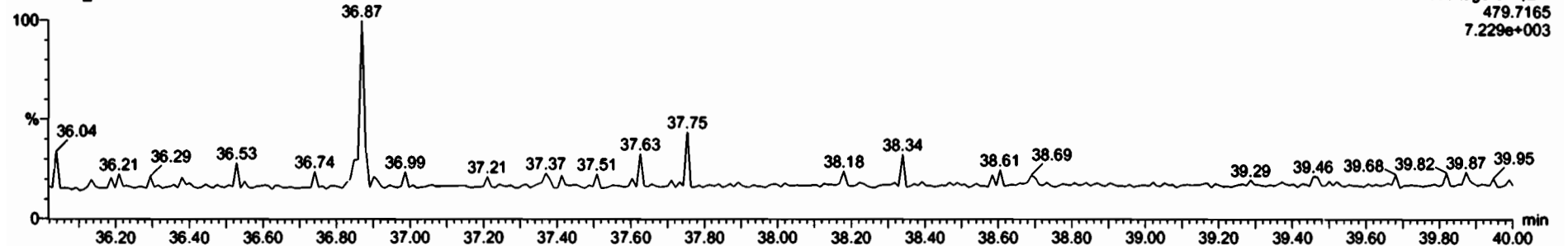


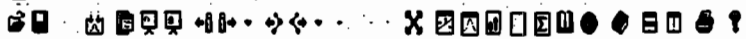
200521R2_11



DPE4

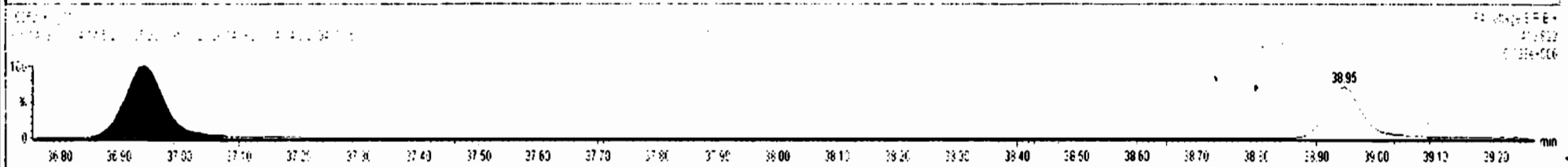
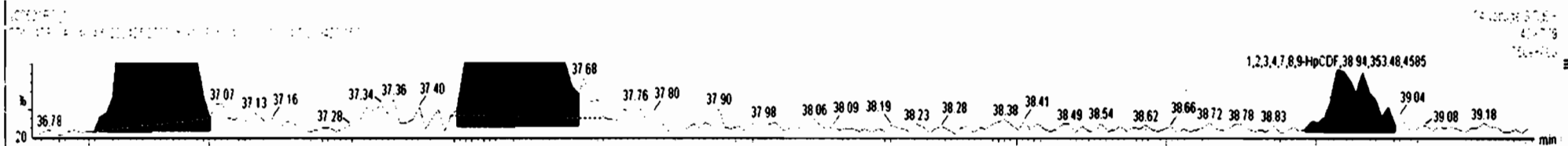
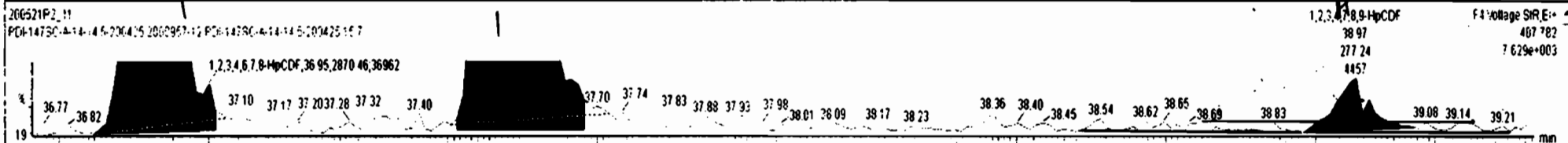
200521R2_11





Name	Resp	RA	n/y	R/F	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9217	10.019			5.79	0.0967	5.79	
47 Total Hepta-Furans				0.8712	16.819			7.51	0.146	7.78	

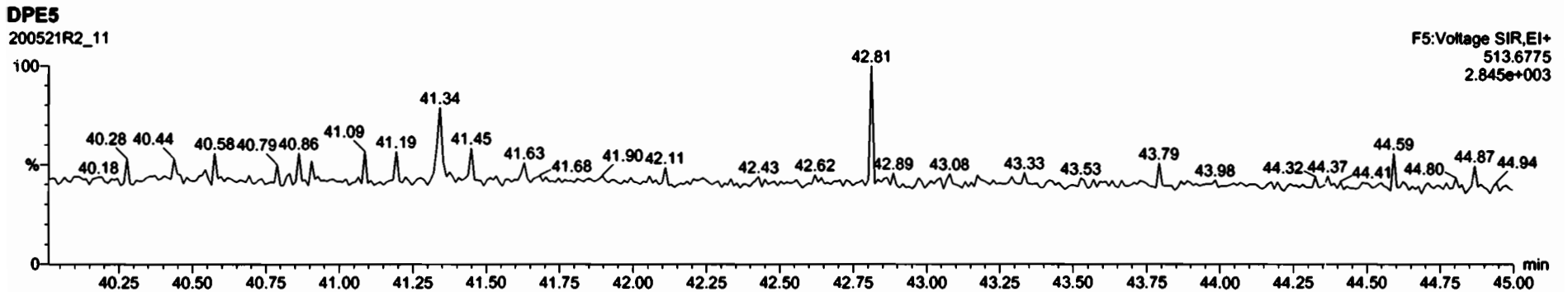
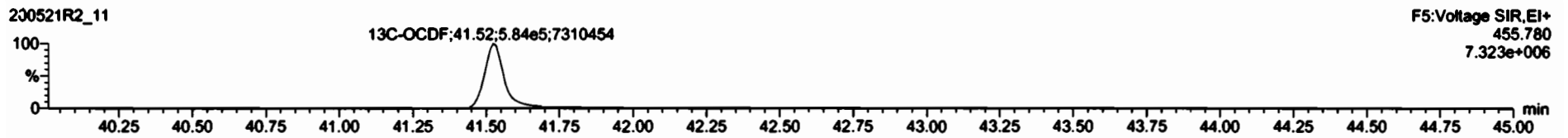
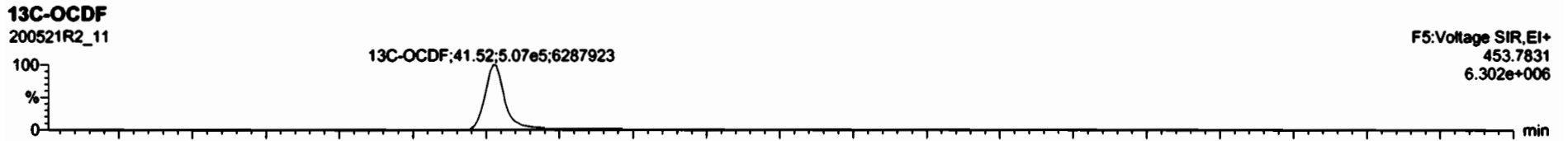
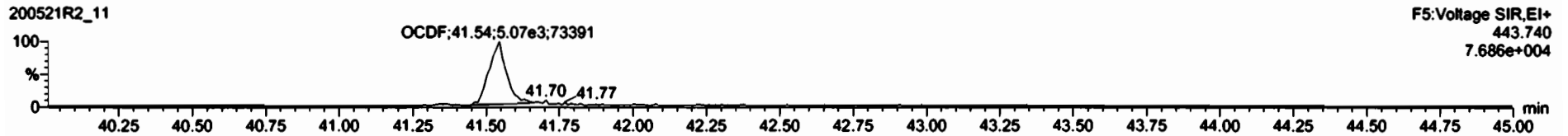
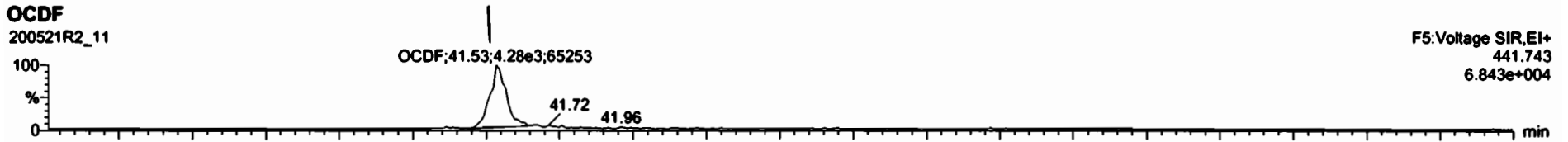
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	36.95	2.870e3	2.939e3	0.98	NO	2.1562	2.1562
2 Total Hepta-Furans	37.55	6.030e3	5.936e3	1.02	NO	5.3572	5.3572
3 1,2,3,4,7,8,9-HpCDF	38.97	2.772e2	3.535e2	0.78	YES	0.26418	0.00000

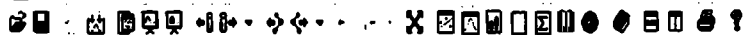


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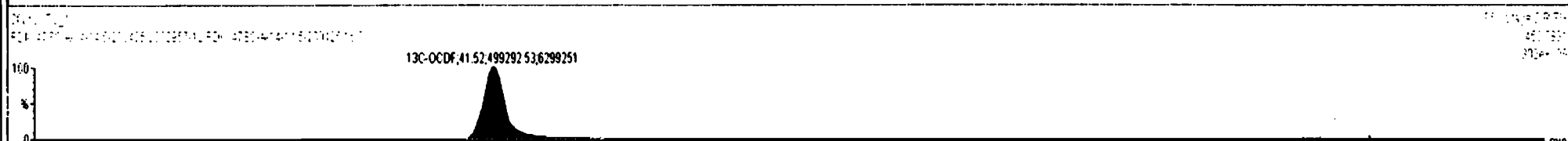
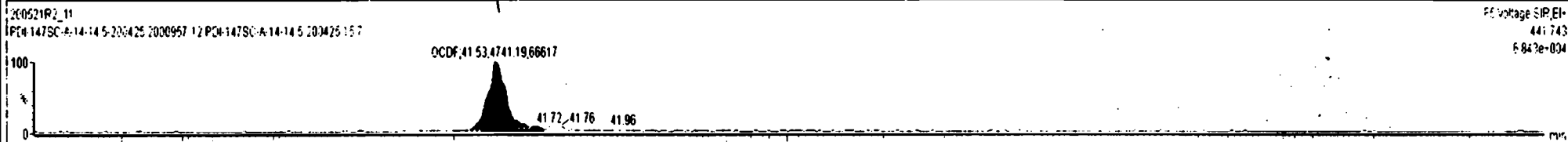
Name: 200521R2_11, Date: 21-May-2020, Time: 20:47:29, ID: 2000957-12 PDI-147SC-A-14-14.5-200425 15.7, Description: PDI-147SC-A-14-14.5-200425





Name	Resp	RA	n/y	RFF	wA/d	RT	RRT	Conc.	%Rec	DL	EMPC
17 OCDF	1.02e4	0.86	NO	0.8021	10.019	41.53	1.000	475		0.142	475
18 13C-2,3,7,8-1CDD	1.26e6	0.77	NO	1.1595	10.019	26.00	1.027	198	99.3	0.302	

Name	RT	n1 Resp	n2 Resp	RA	n/y	EMPC	Conc.
1							

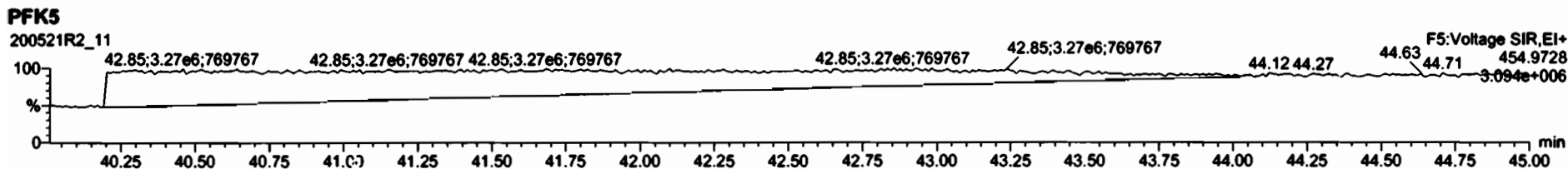
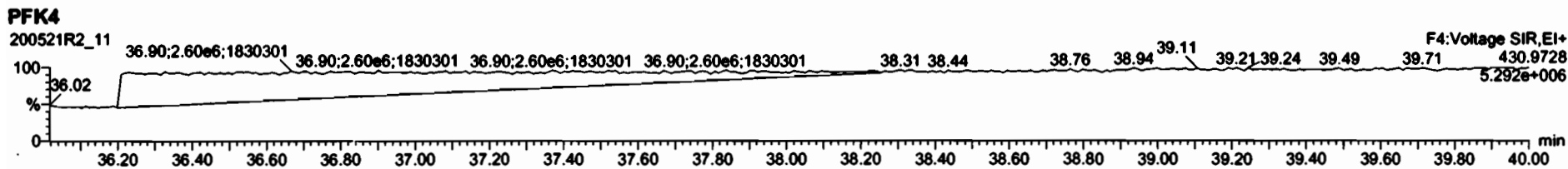
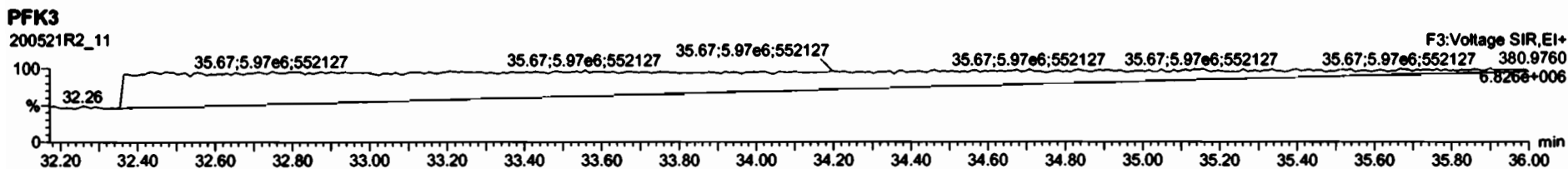
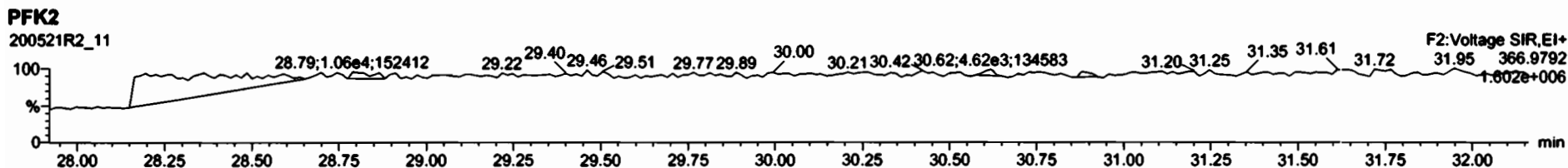
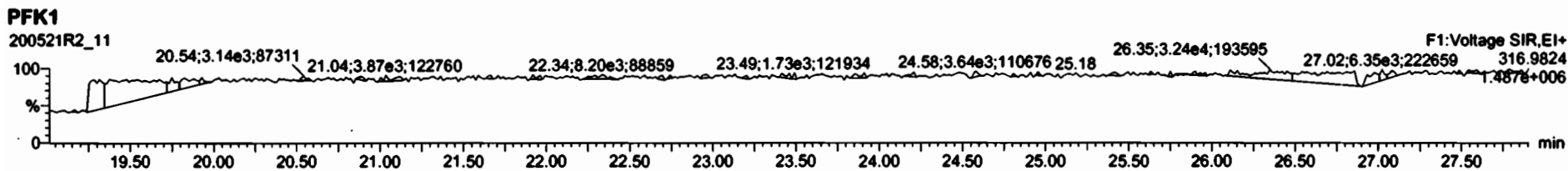


40.20 40.40 40.60 40.80 41.00 41.20 41.40 41.60 41.80 42.00 42.20 42.40 42.60 42.80 43.00 43.20 43.40 43.60 43.80 44.00 44.20 44.40 44.60 44.80 45.00

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Printed: Friday, May 22, 2020 7:58:30 AM Pacific Daylight Time

Name: 200521R2_11, Date: 21-May-2020, Time: 20:47:29, ID: 2000957-12 PDI-147SC-A-14-14.5-200425 15.7, Description: PDI-147SC-A-14-14.5-200425



Dataset: U:\VG12.PRO\Results\200521R2\200521R2-12b.qld

Last Altered: Tuesday, June 02, 2020 10:54:40 Pacific Daylight Time
Printed: Tuesday, June 02, 2020 10:59:58 Pacific Daylight Time

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Method: Untitled 29 Apr 2020 14:28:02

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200521R2_12, Date: 21-May-2020, Time: 21:33:41, ID: 2000957-13 PDI-149SC-A-00-01-200425 12.4, Description: PDI-149SC-A-00-01-200425

1	2,3,7,8-TCDD	9.49e2	0.38	YES	0.947	10.004	26.036	26.03	1.001	1.001	0.17645	0.140	0.111
2	1,2,3,7,8-PeCDD			NO	0.942	10.004	31.132		1.001			0.178	
3	1,2,3,4,7,8-HxCDD	9.82e2	1.50	YES	1.06	10.004	34.505	34.52	1.000	1.001	0.32053	0.278	0.287
4	1,2,3,6,7,8-HxCDD	4.77e3	1.27	NO	0.915	10.004	34.601	34.61	1.000	1.000	1.4616	0.290	1.46
5	1,2,3,7,8,9-HxCDD	2.03e3	1.05	YES	0.915	10.004	34.878	34.88	1.000	1.000	0.72640	0.346	0.672
6	1,2,3,4,6,7,8-HpCDD	1.42e5	1.02	NO	0.898	10.004	38.373	38.38	1.000	1.001	77.539	0.814	77.5
7	OCDD	7.02e5	0.88	NO	0.933	10.004	41.354	41.36	1.000	1.000	605.73	1.30	606
8	2,3,7,8-TCDF	8.03e3	0.80	NO	0.787	10.004	25.102	25.09	1.001	1.001	1.4617	0.129	1.46
9	1,2,3,7,8-PeCDF	1.26e4	1.54	NO	0.910	10.004	29.819	29.81	1.001	1.001	2.2357	0.0893	2.24
10	2,3,4,7,8-PeCDF	5.77e3	1.38	NO	0.966	10.004	30.823	30.82	1.001	1.000	1.0247	0.0830	1.02
11	1,2,3,4,7,8-HxCDF	8.08e3	1.20	NO	0.878	10.004	33.832	33.64	1.000	1.000	2.4784	0.131	2.48
12	1,2,3,6,7,8-HxCDF	2.87e3	1.30	NO	0.874	10.004	33.759	33.76	1.000	1.000	0.76374	0.119	0.764
13	2,3,4,6,7,8-HxCDF	1.10e3	1.49	YES	0.922	10.004	34.358	34.33	1.001	1.000	0.34463	0.145	0.310
14	1,2,3,7,8,9-HxCDF	4.72e2	0.86	YES	0.864	10.004	35.219	35.25	1.000	1.001	0.12268	0.205	0.152
15	1,2,3,4,6,7,8-HpCDF	1.16e4	1.01	NO	0.871	10.004	36.981	36.97	1.001	1.001	5.4043	0.193	5.40
16	1,2,3,4,7,8,9-HpCDF	9.25e2	1.12	NO	1.01	10.004	38.957	38.97	1.000	1.000	0.56539	0.228	0.565
17	OCDF	3.00e4	0.83	NO	0.802	10.004	41.535	41.55	1.000	1.000	22.522	0.263	22.5
18	13C-2,3,7,8-TCDD	1.14e6	0.77	NO	1.16	10.004	25.984	26.00	1.026	1.027	186.95	93.5	0.295
19	13C-1,2,3,7,8-PeCDD	8.48e5	0.83	NO	0.847	10.004	31.068	31.11	1.227	1.229	191.02	95.5	0.316
20	13C-1,2,3,4,7,8-HxCDD	5.76e5	1.29	NO	0.750	10.004	34.506	34.49	1.014	1.014	175.31	87.7	0.455
21	13C-1,2,3,6,7,8-HxCDD	7.14e5	1.29	NO	0.963	10.004	34.618	34.60	1.017	1.017	169.21	84.6	0.355
22	13C-1,2,3,7,8,9-HxCDD	6.11e5	1.24	NO	0.838	10.004	34.887	34.87	1.025	1.025	166.66	83.4	0.408
23	13C-1,2,3,4,6,7,8-HpCDD	4.07e5	1.05	NO	0.641	10.004	38.378	38.36	1.128	1.127	144.75	72.4	0.426
24	13C-OCDD	4.96e5	0.91	NO	0.586	10.004	41.372	41.35	1.216	1.215	193.31	48.3	0.420
25	13C-2,3,7,8-TCDF	1.40e6	0.77	NO	1.03	10.004	25.045	25.08	0.989	0.991	186.21	93.1	0.370
26	13C-1,2,3,7,8-PeCDF	1.24e6	1.57	NO	0.845	10.004	29.759	29.80	1.176	1.177	202.62	101	0.489
27	13C-2,3,4,7,8-PeCDF	1.17e6	1.62	NO	0.814	10.004	30.749	30.81	1.215	1.217	197.71	98.9	0.507
28	13C-1,2,3,4,7,8-HxCDF	7.42e5	0.50	NO	1.00	10.004	33.645	33.63	0.989	0.988	168.63	84.4	0.665
29	13C-1,2,3,6,7,8-HxCDF	8.60e5	0.51	NO	1.14	10.004	33.767	33.75	0.992	0.992	172.86	86.5	0.587
30	13C-2,3,4,6,7,8-HxCDF	6.95e5	0.51	NO	1.02	10.004	34.336	34.32	1.009	1.009	155.23	77.6	0.653

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-12b.qld

Last Altered: Tuesday, June 02, 2020 10:54:40 Pacific Daylight Time
Printed: Tuesday, June 02, 2020 10:59:58 Pacific Daylight Time

Name: 200521R2_12, Date: 21-May-2020, Time: 21:33:41, ID: 2000957-13 PDI-149SC-A-00-01-200425 12.4, Description: PDI-149SC-A-00-01-200425

31	13C-1,2,3,7,8,9-HxCDF	5.97e5	0.50	NO	0.845	10.004	35.227	35.22	1.035	1.035	161.49	80.8	0.791	
32	13C-1,2,3,4,6,7,8-HpCDF	4.91e5	0.43	NO	0.771	10.004	36.959	36.94	1.086	1.086	145.51	72.8	0.495	
33	13C-1,2,3,4,7,8,9-HpCDF	3.23e5	0.40	NO	0.482	10.004	38.970	38.96	1.145	1.145	153.14	76.6	0.791	
34	13C-OCDF	6.64e5	0.86	NO	0.669	10.004	41.542	41.53	1.221	1.221	226.74	56.7	0.543	
35	37Cl-2,3,7,8-TCDD	4.62e5			1.10	10.004	26.015	26.03	1.028	1.028	80.382	101	0.0682	
36	13C-1,2,3,4-TCDD	1.05e6	0.79	NO	1.00	10.004	25.350	25.32	1.000	1.000	199.92	100	0.342	
37	13C-1,2,3,4-TCDF	1.45e6	0.77	NO	1.00	10.004	23.560	23.53	1.000	1.000	199.92	100	0.383	
38	13C-1,2,3,4,6,9-HxCDF	8.75e5	0.51	NO	1.00	10.004	34.000	34.03	1.000	1.000	199.92	100	0.668	
39	Total Tetra-Dioxins				0.947	10.004	24.620		0.000		0.91490		0.140	1.03
40	Total Penta-Dioxins				0.942	10.004	29.960		0.000		0.83257		0.178	1.26
41	Total Hexa-Dioxins				0.915	10.004	33.635		0.000		19.618		0.318	20.6
42	Total Hepta-Dioxins				0.898	10.004	37.640		0.000		209.05		0.814	209
43	Total Tetra-Furans				0.787	10.004	23.610		0.000		5.2363		0.129	5.66
44	1st Func. Penta-Furans				0.910	10.004	27.090		0.000		1.4367		0.0362	1.44
45	Total Penta-Furans				0.910	10.004	29.275		0.000		6.5746		0.0887	6.76
46	Total Hexa-Furans				0.922	10.004	33.555		0.000		8.3601		0.140	9.03
47	Total Hepta-Furans				0.871	10.004	37.835		0.000		23.127		0.221	23.1

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-12b.qld

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Method: Untitled 29 Apr 2020 14:28:02

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

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Tetra-Dioxins

Total Tetra-Dioxins	21.86	5.142e3	7.738e3	5.202e2	6.520e2	0.80	NO	1.172e3	0.21787	0.21787	0.140
Total Tetra-Dioxins	23.72	5.028e3	5.754e3	3.772e2	4.557e2	0.83	NO	8.329e2	0.15480	0.15480	0.140
Total Tetra-Dioxins	24.22	4.840e3	4.505e3	2.397e2	3.125e2	0.77	NO	5.523e2	0.10264	0.10264	0.140
Total Tetra-Dioxins	25.27	4.212e3	4.964e3	2.515e2	3.412e2	0.74	NO	5.927e2	0.11017	0.11017	0.140
Total Tetra-Dioxins	25.75	1.342e4	1.329e4	7.987e2	9.736e2	0.82	NO	1.772e3	0.32941	0.32941	0.140
2,3,7,8-TCDD	26.03	4.797e3	1.016e4	2.596e2	6.897e2	0.38	YES	9.493e2	0.00000	0.11092	0.140

Penta-Dioxins

Total Penta-Dioxins	28.84	1.217e4	1.994e4	8.415e2	1.400e3	0.60	NO	2.242e3	0.56105	0.56105	0.178
Total Penta-Dioxins	29.35	7.051e3	1.155e4	4.485e2	6.365e2	0.70	NO	1.085e3	0.27152	0.27152	0.178
Total Penta-Dioxins	29.87	7.169e3	1.009e4	4.335e2	4.095e2	1.06	YES	0.000e0	0.00000	0.16706	0.178
Total Penta-Dioxins	30.33	7.311e3	1.514e4	4.013e2	1.037e3	0.39	YES	0.000e0	0.00000	0.25982	0.178

Hexa-Dioxins

Total Hexa-Dioxins	33.03	2.758e5	2.236e5	1.393e4	1.144e4	1.22	NO	2.537e4	8.7545	8.7545	0.318
Total Hexa-Dioxins	33.58	2.447e4	2.201e4	1.390e3	1.050e3	1.32	NO	2.440e3	0.84190	0.84190	0.318
Total Hexa-Dioxins	33.83	1.655e5	1.415e5	1.107e4	9.199e3	1.20	NO	2.027e4	6.9958	6.9958	0.318
Total Hexa-Dioxins	33.94	2.500e4	1.914e4	1.768e3	1.334e3	1.33	NO	3.102e3	1.0703	1.0703	0.318
1,2,3,4,7,8-HxCDD	34.52	1.082e4	6.527e3	5.893e2	3.928e2	1.50	YES	9.821e2	0.00000	0.28716	0.276
1,2,3,6,7,8-HxCDD	34.61	4.273e4	3.575e4	2.667e3	2.104e3	1.27	NO	4.771e3	1.4616	1.4616	0.290
Total Hexa-Dioxins	34.79	1.258e4	9.912e3	7.775e2	6.546e2	1.19	NO	1.432e3	0.49422	0.49422	0.318
1,2,3,7,8,9-HxCDD	34.88	1.777e4	1.599e4	1.041e3	9.909e2	1.05	YES	2.032e3	0.00000	0.67230	0.346

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-12b.qld

Last Altered: Tuesday, June 02, 2020 10:54:40 Pacific Daylight Time

Printed: Tuesday, June 02, 2020 10:59:58 Pacific Daylight Time

Name: 200521R2_12, Date: 21-May-2020, Time: 21:33:41, ID: 2000957-13 PDI-149SC-A-00-01-200425 12.4, Description: PDI-149SC-A-00-01-200425

Hepta-Dioxins

Total Hepta-Dioxins	37.34	1.563e6	1.479e6	1.216e5	1.185e5	1.03	NO	2.402e5	131.51	131.51	0.814
1,2,3,4,6,7,8-HpCDD	38.38	9.003e5	8.558e5	7.148e4	7.011e4	1.02	NO	1.416e5	77.539	77.539	0.814

Tetra-Furans

Total Tetra-Furans	20.26	2.692e3	5.412e3	2.341e2	4.044e2	0.58	YES	0.000e0	0.00000	0.097948	0.129
Total Tetra-Furans	20.89	1.453e4	2.360e4	1.150e3	1.755e3	0.66	NO	2.905e3	0.52879	0.52879	0.129
Total Tetra-Furans	21.32	2.724e3	7.024e3	1.875e2	2.841e2	0.66	NO	4.715e2	0.085830	0.085830	0.129
Total Tetra-Furans	21.44	3.819e3	4.564e3	3.252e2	4.111e2	0.79	NO	7.362e2	0.13402	0.13402	0.129
Total Tetra-Furans	21.81	1.293e4	2.029e4	1.469e3	1.755e3	0.84	NO	3.223e3	0.58673	0.58673	0.129
Total Tetra-Furans	22.29	6.558e3	9.210e3	6.802e2	9.236e2	0.74	NO	1.604e3	0.29195	0.29195	0.129
Total Tetra-Furans	22.65	4.175e3	5.796e3	2.623e2	3.833e2	0.68	NO	6.456e2	0.11751	0.11751	0.129
Total Tetra-Furans	23.44	9.189e3	8.304e3	4.825e2	4.806e2	1.00	YES	0.000e0	0.00000	0.15485	0.129
Total Tetra-Furans	23.57	6.584e3	1.093e4	6.022e2	9.201e2	0.65	NO	1.522e3	0.27710	0.27710	0.129
Total Tetra-Furans	24.10	3.989e4	5.715e4	3.447e3	4.463e3	0.77	NO	7.909e3	1.4398	1.4398	0.129
Total Tetra-Furans	24.99	8.401e3	8.736e3	3.764e2	5.295e2	0.71	NO	9.059e2	0.16491	0.16491	0.129
2,3,7,8-TCDF	25.09	4.099e4	5.800e4	3.565e3	4.464e3	0.80	NO	8.030e3	1.4617	1.4617	0.129
Total Tetra-Furans	25.48	4.708e3	6.329e3	3.402e2	4.734e2	0.72	NO	8.136e2	0.14810	0.14810	0.129
Total Tetra-Furans	27.19	6.331e3	8.251e3	4.181e2	6.441e2	0.65	YES	0.000e0	0.00000	0.17494	0.129

Penta-Furans function 1

1st Func. Penta-Furans	27.17	7.449e4	4.423e4	4.838e3	3.031e3	1.60	NO	7.869e3	1.4367	1.4367	0.0362
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Dataset: U:\VG12.PRO\Results\200521R2\200521R2-12b.qld

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Name: 200521R2_12, Date: 21-May-2020, Time: 21:33:41, ID: 2000957-13 PDI-149SC-A-00-01-200425 12.4, Description: PDI-149SC-A-00-01-200425

Penta-Furans

Total Penta-Furans	28.67	6.555e3	5.582e3	3.613e2	2.951e2	1.22	YES	0.000e0	0.00000	0.10853	0.0887
Total Penta-Furans	28.81	7.709e4	4.491e4	5.078e3	3.236e3	1.57	NO	8.314e3	1.5179	1.5179	0.0887
Total Penta-Furans	29.40	1.775e4	9.094e3	1.117e3	6.357e2	1.76	NO	1.753e3	0.32006	0.32006	0.0887
Total Penta-Furans	29.63	1.281e4	8.371e3	6.999e2	4.976e2	1.41	NO	1.198e3	0.21863	0.21863	0.0887
1,2,3,7,8-PeCDF	29.81	1.330e5	7.675e4	7.663e3	4.962e3	1.54	NO	1.262e4	2.2357	2.2357	0.0893
Total Penta-Furans	30.09	4.612e4	3.091e4	2.935e3	1.944e3	1.51	NO	4.879e3	0.89077	0.89077	0.0887
2,3,4,7,8-PeCDF	30.82	6.098e4	4.483e4	3.345e3	2.430e3	1.38	NO	5.775e3	1.0247	1.0247	0.0830
Total Penta-Furans	30.85	4.474e4	2.787e4	1.248e3	7.615e2	1.64	NO	2.009e3	0.36682	0.36682	0.0887
Total Penta-Furans	31.78	4.898e3	4.746e3	2.525e2	2.523e2	1.00	YES	0.000e0	0.00000	0.075850	0.0887

Hexa-Furans

Total Hexa-Furans	32.47	1.930e4	1.998e4	8.904e2	7.994e2	1.11	NO	1.690e3	0.50647	0.50647	0.140
Total Hexa-Furans	32.64	5.689e4	4.697e4	2.893e3	2.416e3	1.20	NO	5.309e3	1.5912	1.5912	0.140
Total Hexa-Furans	33.19	1.077e5	8.450e4	5.678e3	4.399e3	1.29	NO	1.008e4	3.0203	3.0203	0.140
1,2,3,4,7,8-HxCDF	33.64	8.172e4	6.838e4	4.402e3	3.676e3	1.20	NO	8.078e3	2.4784	2.4784	0.131
1,2,3,6,7,8-HxCDF	33.76	2.780e4	2.024e4	1.622e3	1.251e3	1.30	NO	2.873e3	0.76374	0.76374	0.119
2,3,4,6,7,8-HxCDF	34.33	1.145e4	7.632e3	6.604e2	4.437e2	1.49	YES	1.104e3	0.00000	0.31025	0.145
1,2,3,7,8,9-HxCDF	35.25	6.769e3	7.314e3	2.175e2	2.543e2	0.86	YES	4.717e2	0.00000	0.15213	0.205
Total Hexa-Furans	35.27	8.752e3	9.743e3	3.727e2	3.125e2	1.19	NO	0.000e0	0.00000	0.20536	0.140

Hepta-Furans

1,2,3,4,6,7,8-HpCDF	36.97	8.237e4	7.920e4	5.812e3	5.761e3	1.01	NO	1.157e4	5.4043	5.4043	0.193
Total Hepta-Furans	37.56	1.960e5	1.953e5	1.521e4	1.525e4	1.00	NO	3.046e4	17.157	17.157	0.221
1,2,3,4,7,8,9-HpCDF	38.97	7.174e3	7.757e3	4.885e2	4.367e2	1.12	NO	9.252e2	0.56539	0.56539	0.228

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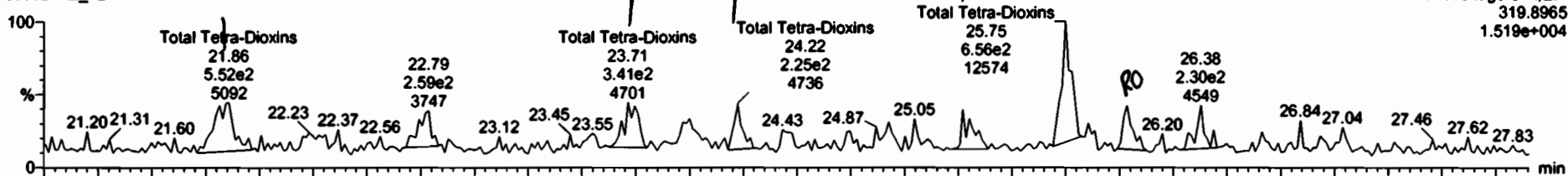
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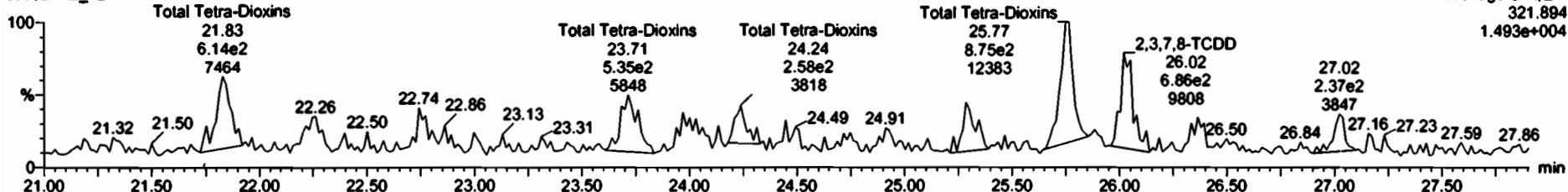
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2,3,7,8-TCDD

200521R2_12

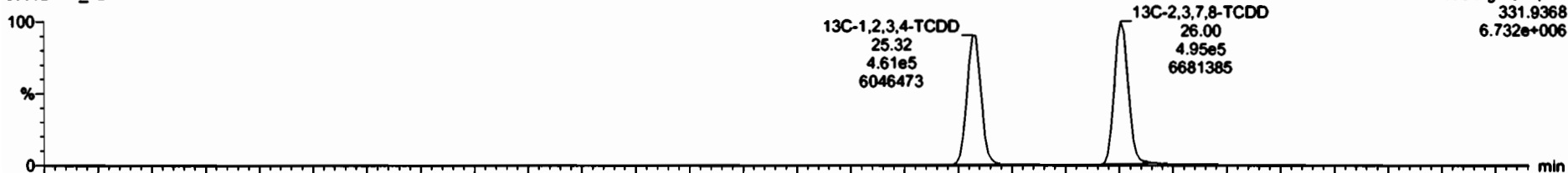


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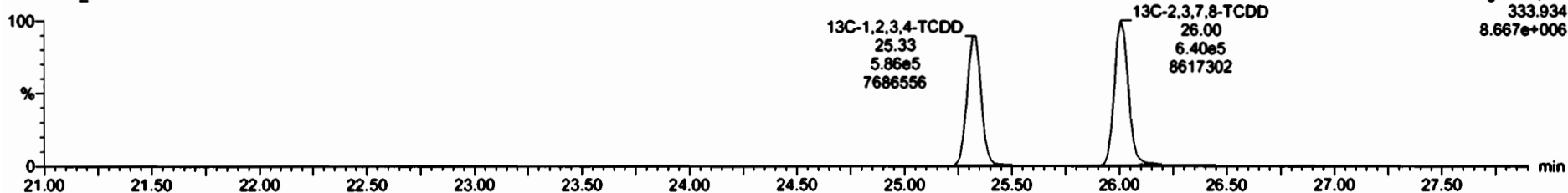


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200521R2_12



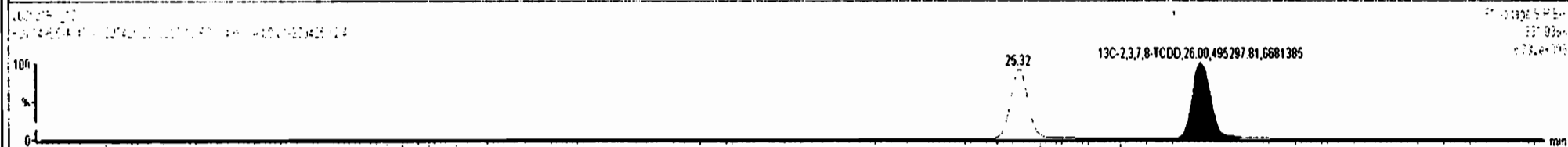
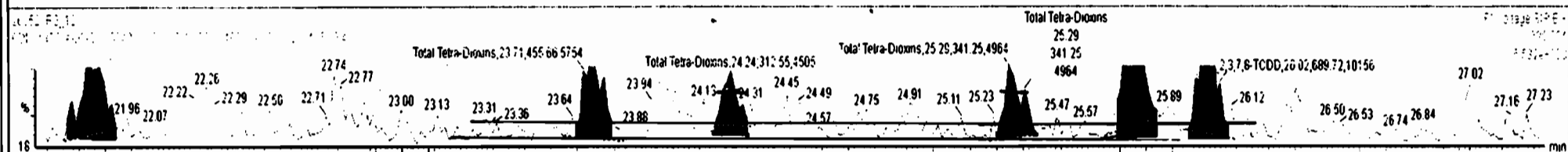
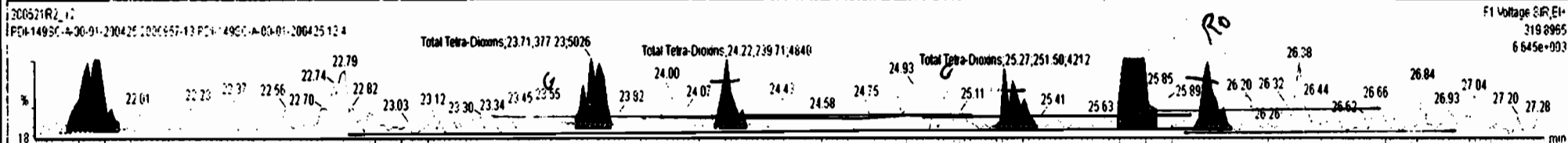
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#	Name	Resp	RA	n1	RfF	wtVal	RT	RRT	Conc.	%Rec	DL	EMPC
39	Total Tetra-Dioxins				0.9475	10.004			0.915		0.140	1.03
40	Total Penta-Dioxins				0.9425	10.004			0.904		0.178	1.74

#	Name	RT	n1 Resp	n2 Resp	RA	n1	EMPC	Conc.
1	Total Tetra-Dioxins	21.86	5.202e2	6.520e2	0.80	NO	0.21787	0.21787
2	Total Tetra-Dioxins	23.71	3.772e2	4.557e2	0.83	NO	0.15480	0.15480
3	Total Tetra-Dioxins	24.22	2.387e2	3.125e2	0.77	NO	0.10264	0.10264
4	Total Tetra-Dioxins	25.27	2.515e2	3.412e2	0.74	NO	0.11017	0.11017
5	Total Tetra-Dioxins	25.75	7.987e2	9.736e2	0.82	NO	0.32941	0.32941
6	2,3,7,8-TCDD	26.03	2.596e2	6.897e2	0.38	YES	0.11092	0.00000



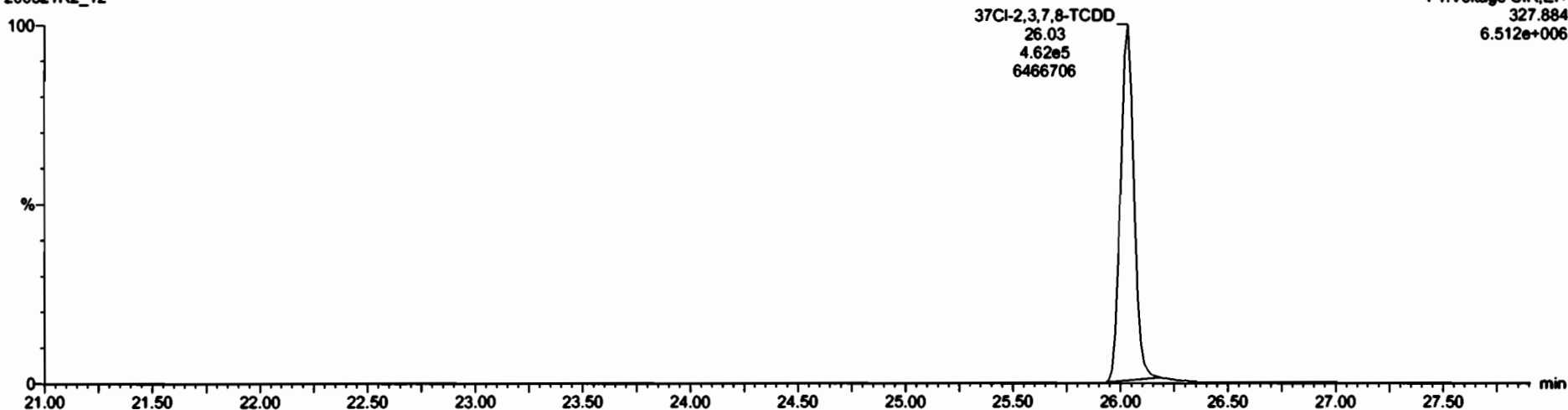
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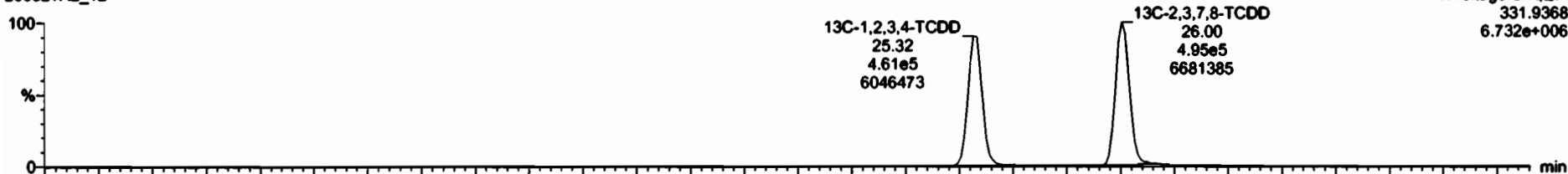
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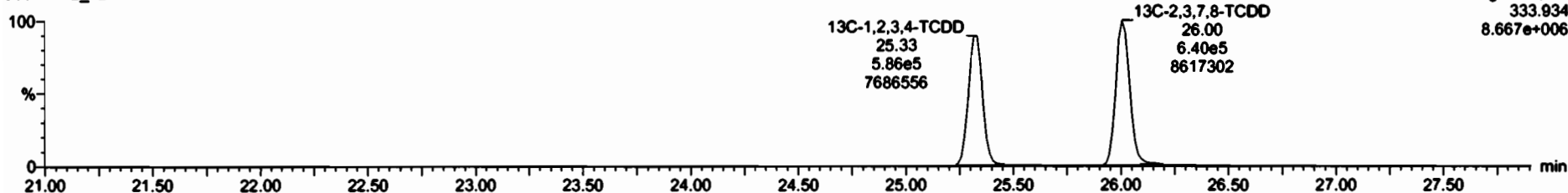


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200521R2_12



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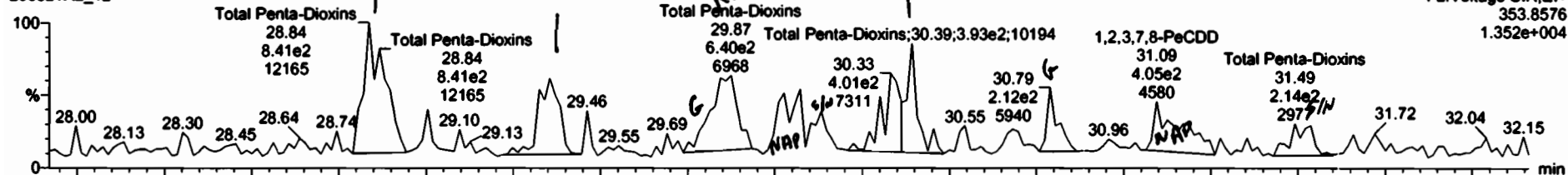
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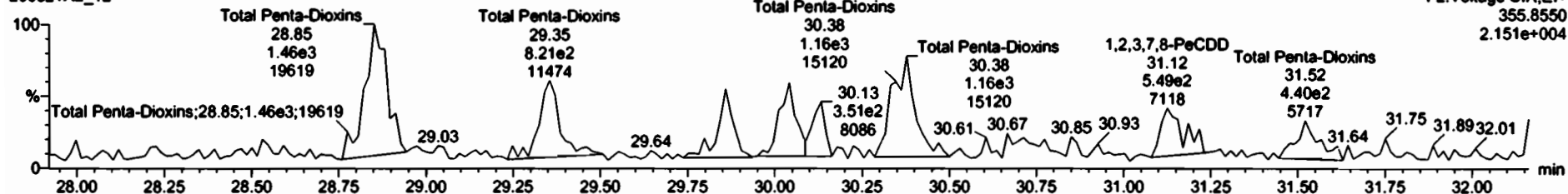
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1,2,3,7,8-PeCDD

200521R2_12

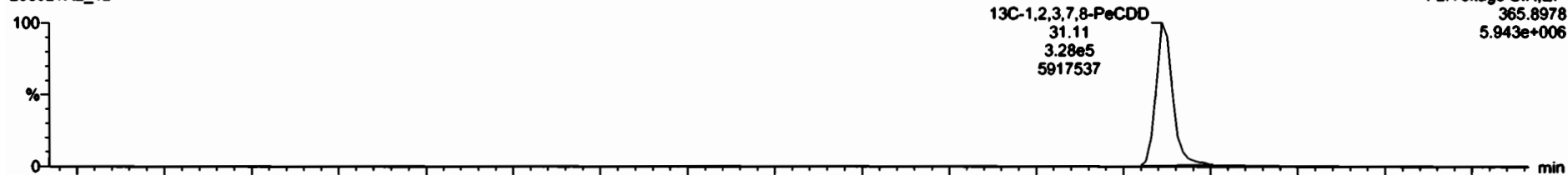


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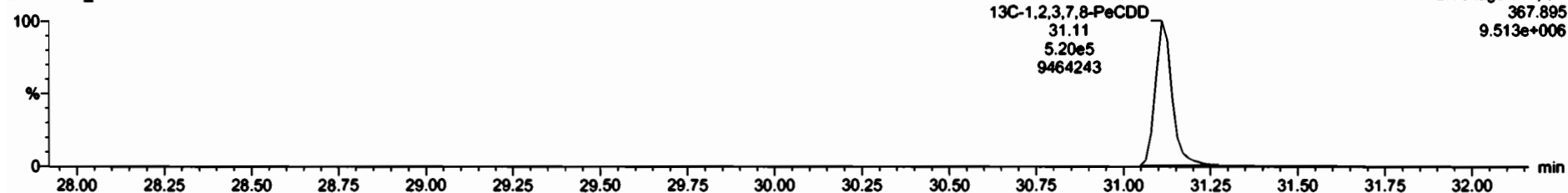


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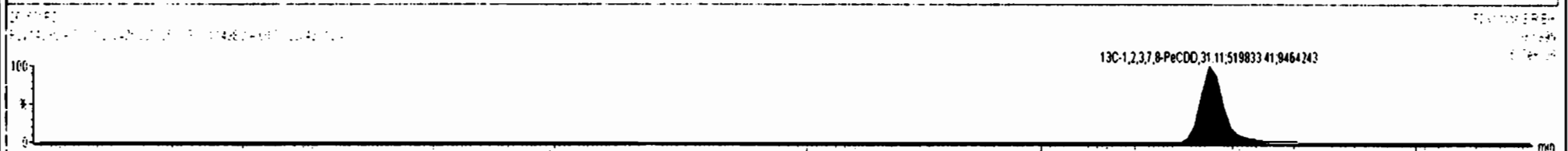
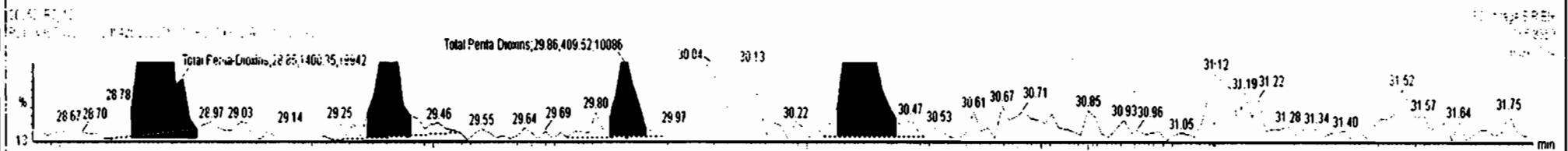
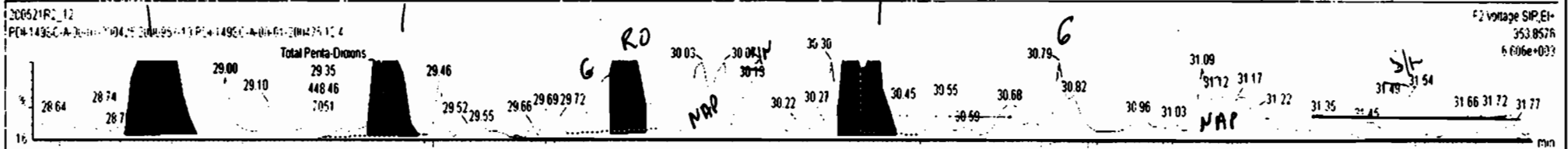
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Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	BMP
39 Total Tetra-Dioxins				0.9475	10.004			0.915		0.140	1.03
40 Total Penta-Dioxins				0.8025	10.004			1.25		0.170	1.41

Name	RT	m1 Resp	m2 Resp	RA	nly	BMP	Conc.
1 Total Penta-Dioxins	28.84	8.415e2	1.400e3	0.60	NO	0.56105	0.56105
2 Total Penta-Dioxins	29.35	4.485e2	6.365e2	0.70	NO	0.27152	0.27152
3 Total Penta-Dioxins	29.87	4.335e2	4.095e2	1.06	YES	0.16706	0.00000
4 Total Penta-Dioxins	30.39	6.227e2	1.037e3	0.60	NO	0.41538	0.41538



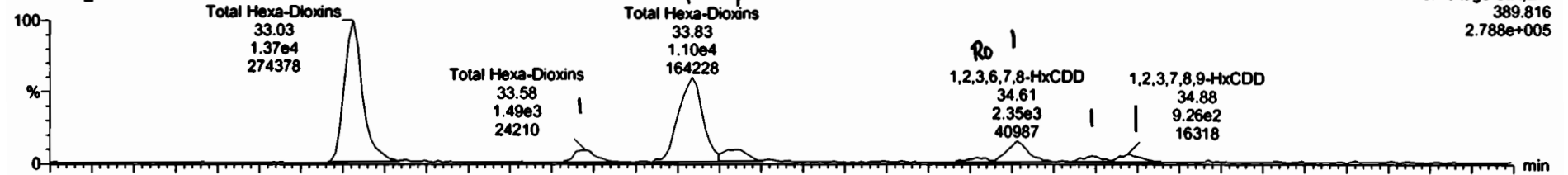
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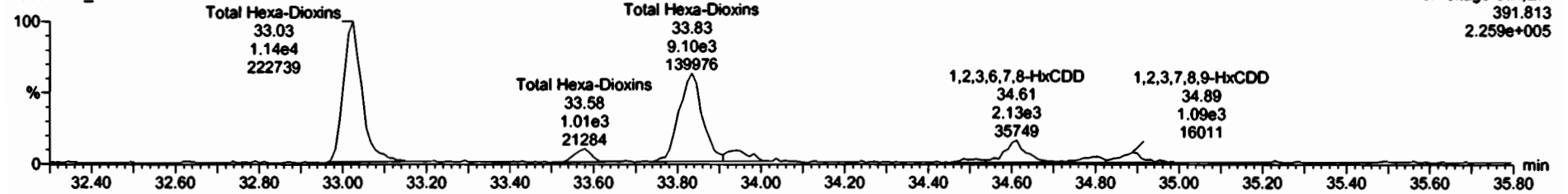
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1,2,3,4,7,8-HxCDD

200521R2_12

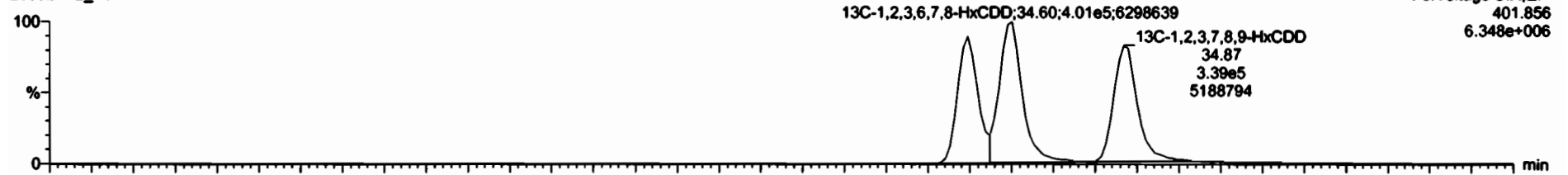


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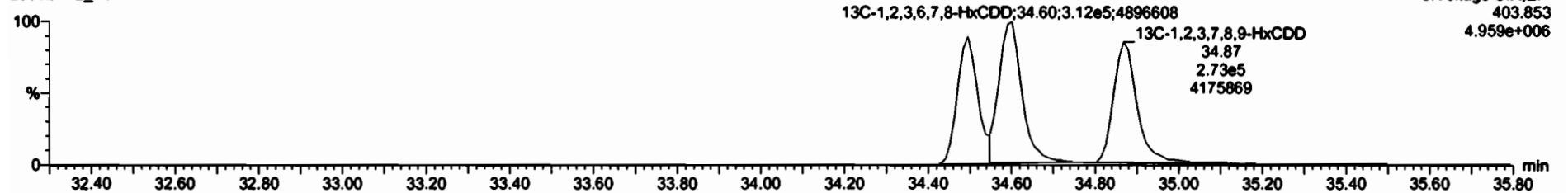


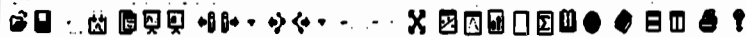
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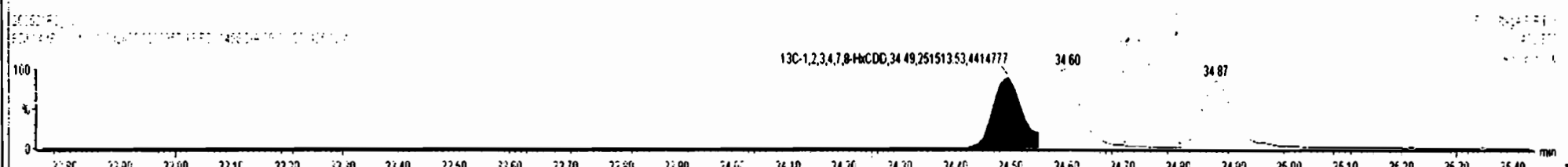
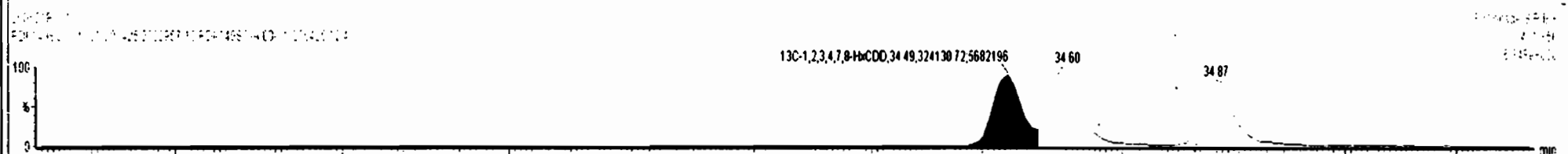
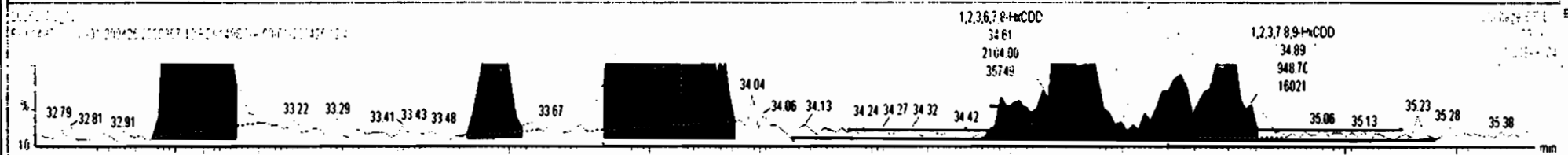
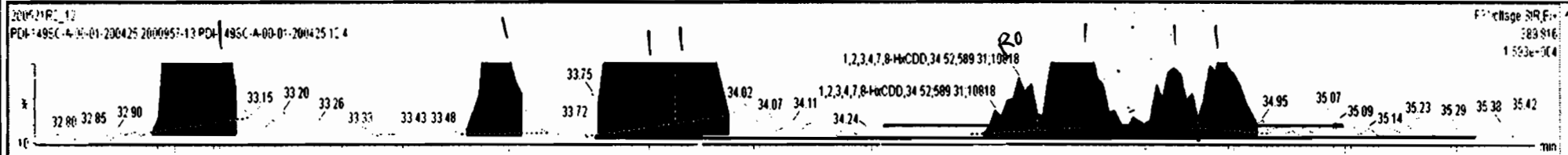
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#	Name	Resp	RA	rv	RfF	wAvol	RT	PRT	Conc.	%Rec	DL	EMPC
41	Total Hexa-Dioxins				0.9145	10.004			20.3		0.318	20.6
42	Total Hepta-Dioxins				0.8979	10.004			205		0.815	205

#	Name	RT	m1 Resp	m2 Resp	RA	rv	EMPC	Conc.
1	Total Hexa-Dioxins	33.03	1.393e4	1.144e4	1.22	NO	8.7545	8.7545
2	Total Hexa-Dioxins	33.58	1.390e3	1.050e3	1.32	NO	0.84190	0.84190
3	Total Hexa-Dioxins	33.83	1.107e4	9.199e3	1.20	NO	6.9958	6.9958
4	Total Hexa-Dioxins	33.94	1.768e3	1.334e3	1.33	NO	1.0703	1.0703
5	1,2,3,4,7,8-HxCDD	34.52	5.893e2	3.928e2	1.50	YES	0.28716	0.00000
6	1,2,3,6,7,8-HxCDD	34.61	2.667e3	2.104e3	1.27	NO	1.4616	1.4616
7	Total Hexa-Dioxins	34.79	8.290e2	6.546e2	1.27	NO	0.51200	0.51200
8	1,2,3,7,8-HxCDD	34.88	1.041e3	9.487e2	1.10	NO	0.71132	0.71132



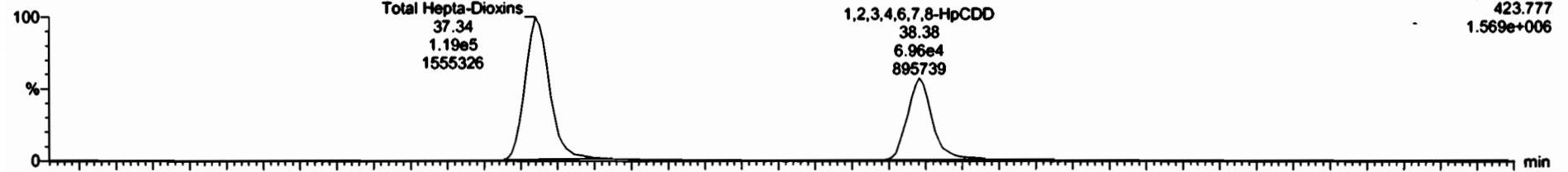
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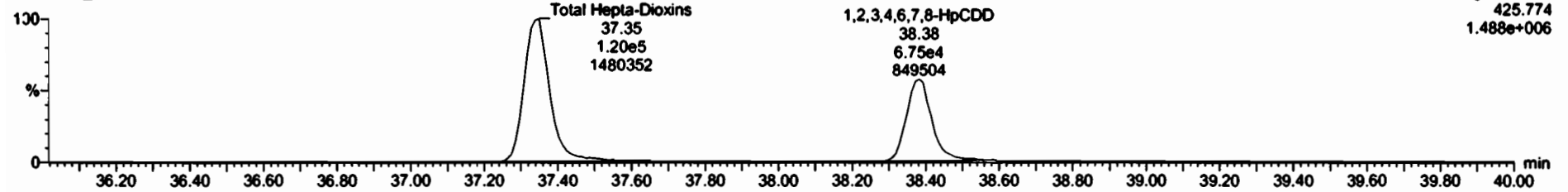
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1,2,3,4,6,7,8-HpCDD

200521R2_12

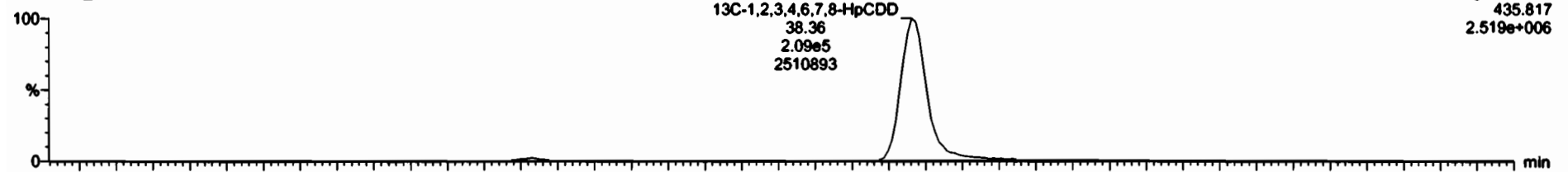


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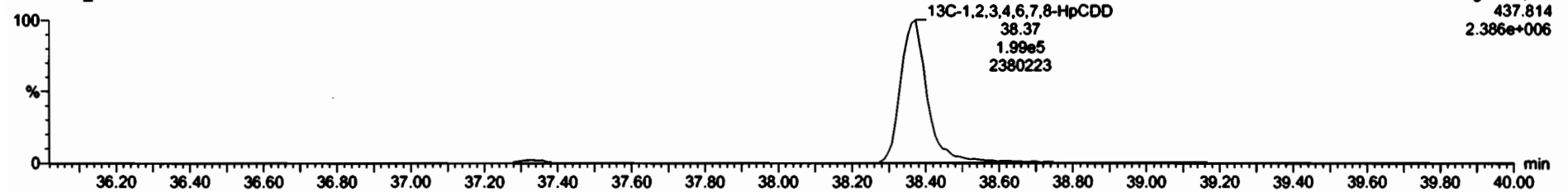


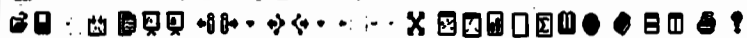
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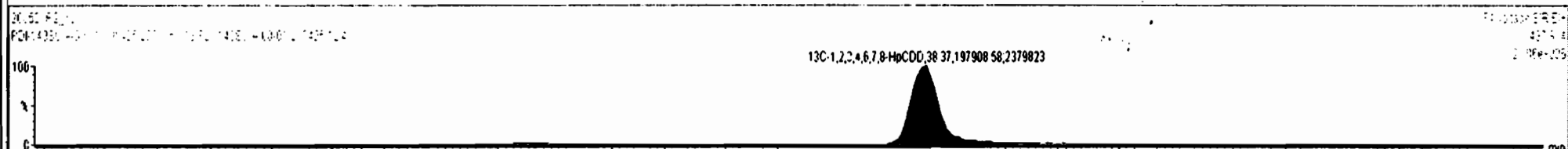
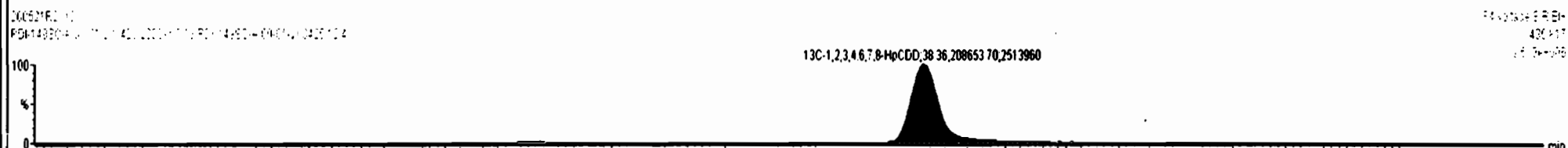
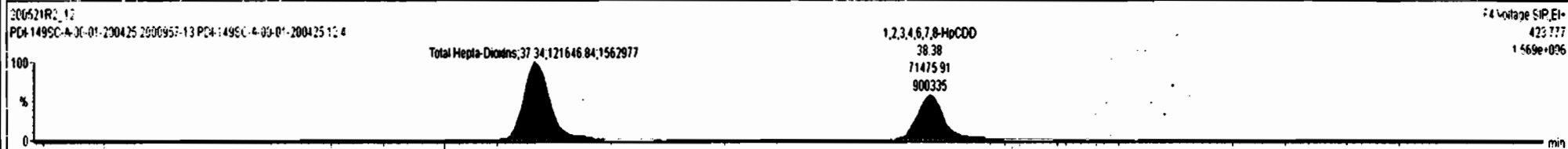
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#	Name	Resp	RA	nly	RRF	wt/val	RT	RRT	Conc.	%Rec	DL	BMP
41	Total Hexa-Dioxins				0.9145	10.004			20.3		0.318	20.6
42	Total Hepta-Dioxins				0.8879	10.004			200		0.014	200

#	Name	RT	m1 Resp	m2 Resp	RA	nly	BMP	Conc.
1	Total Hepta-Dioxins	37.34	1.216e5	1.185e5	1.03	NO	131.51	131.51
2	1,2,3,4,6,7,8-HpCDD	38.38	7.148e4	7.011e4	1.02	NO	77.539	77.539

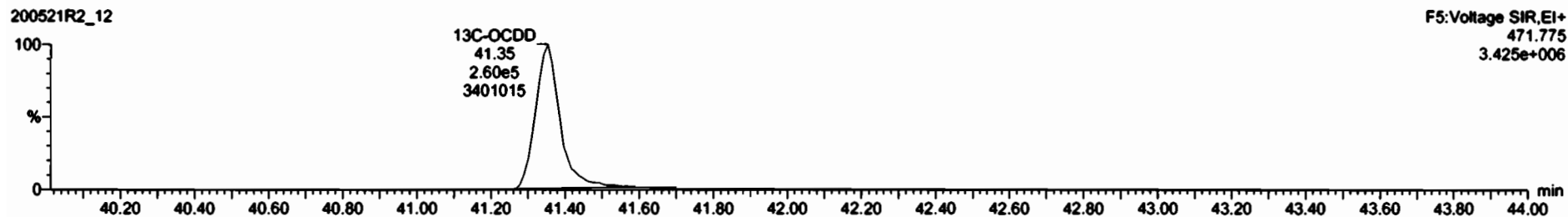
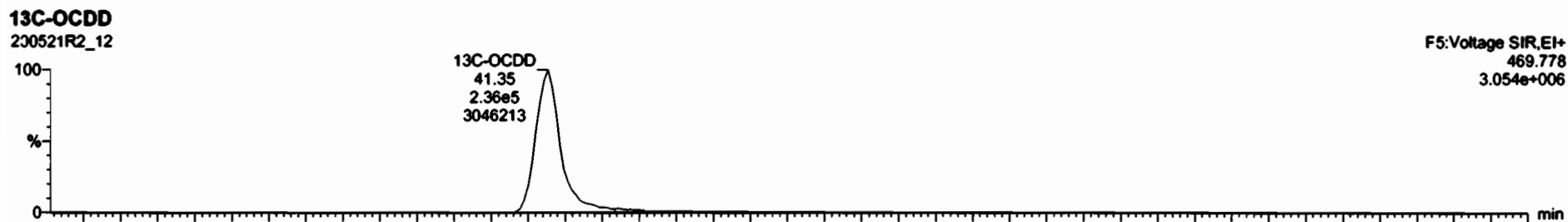
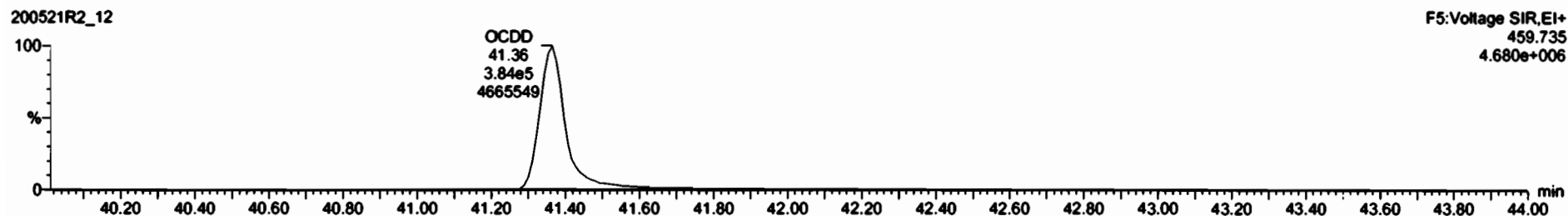


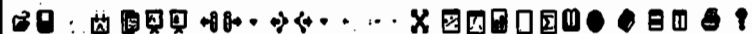
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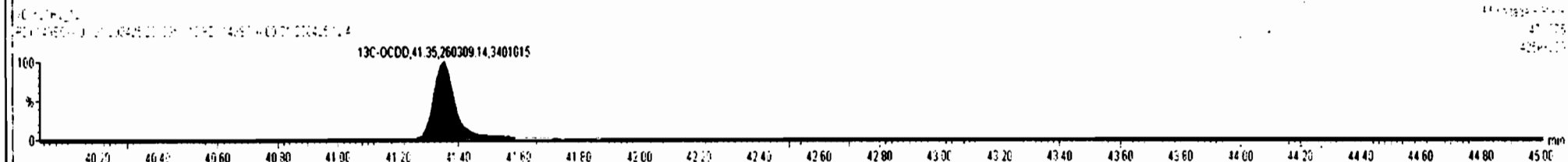
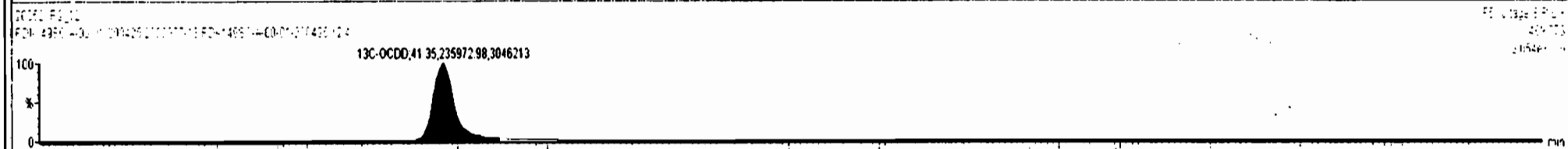
Name: 200521R2_12, Date: 21-May-2020, Time: 21:33:41, ID: 2000957-13 PDI-149SC-A-00-01-200425 12.4, Description: PDI-149SC-A-00-01-200425





#	Name	Resp	RA	nly	RRF	wVal	RT	RRT	Conc.	%Rec	DL	EMPC
7	OCDD	7.02e5	0.88	NO	0.8835	10.004	41.35	1.000	808		1.30	606
8	2,3,7,8-TCDF	7.78e3	0.78	NO	0.7871	10.004	25.09	1.001	1.42		0.129	1.42

#	Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
9								

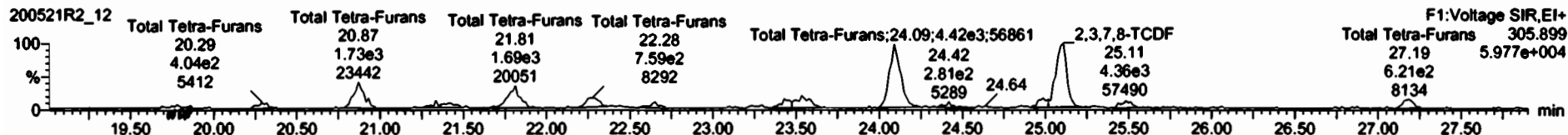
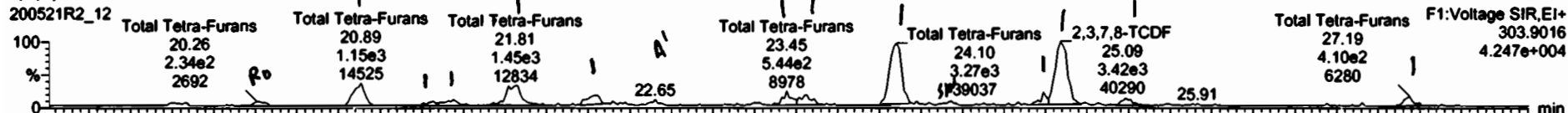


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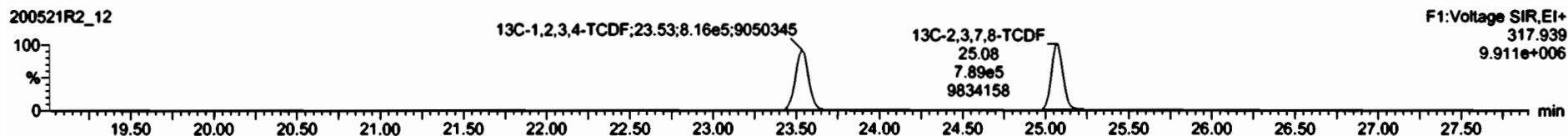
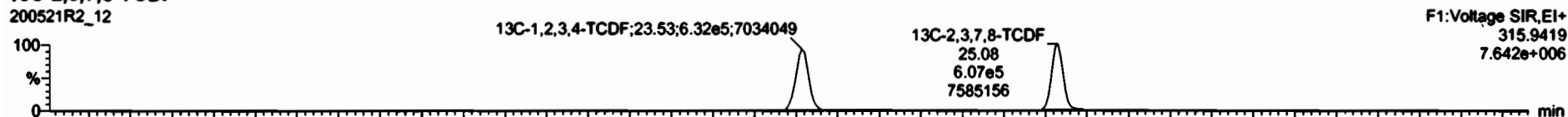
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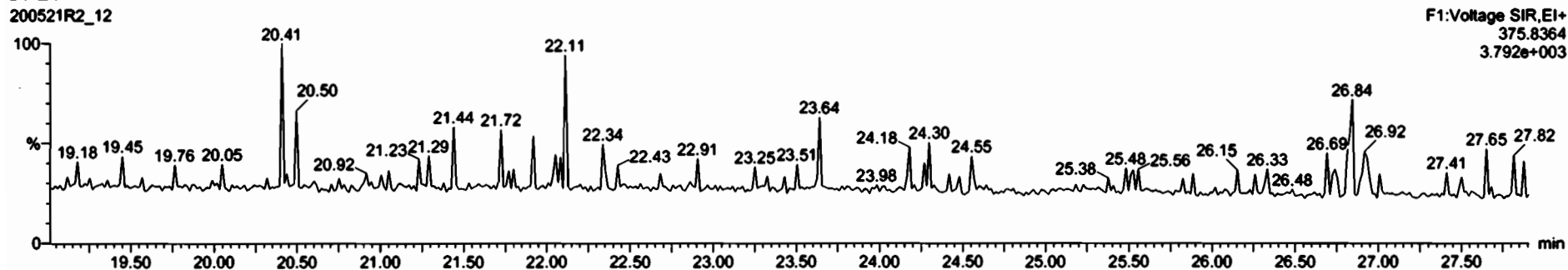
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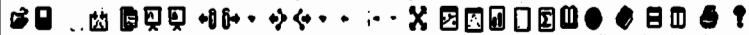


13C-2,3,7,8-TCDF



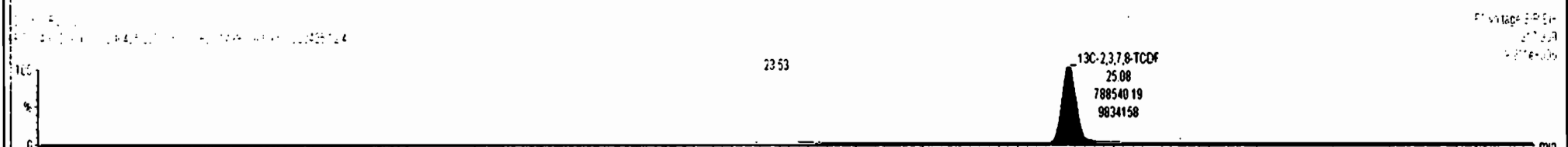
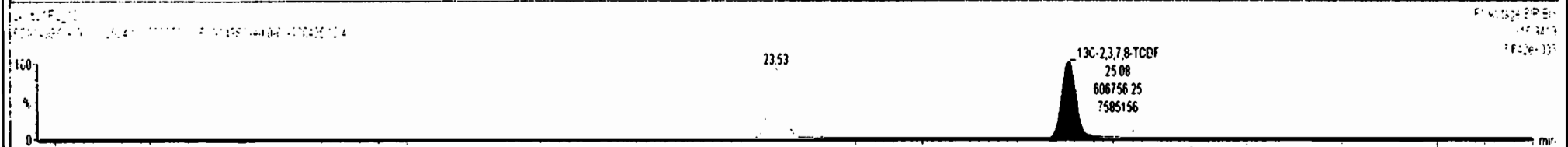
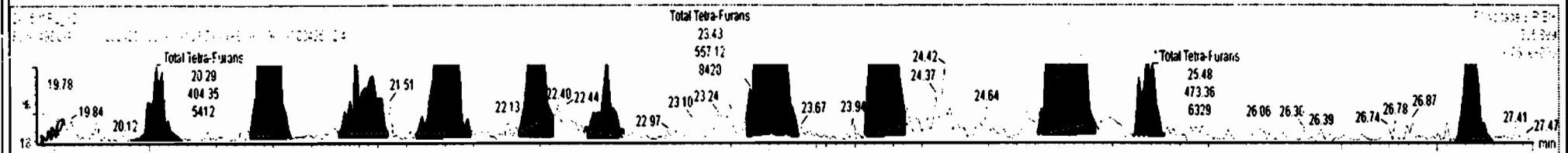
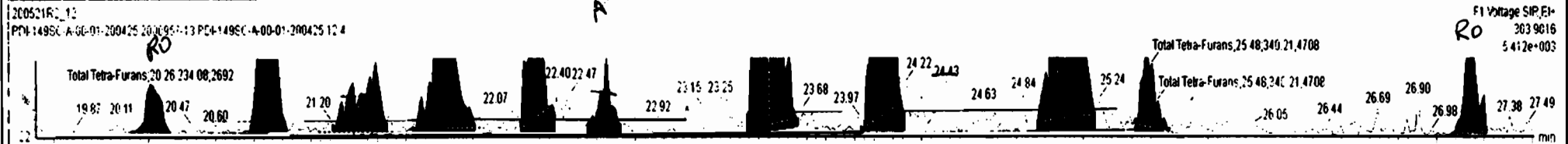
DPE1





#	Name	Resp	RA	nly	RFF	wVal	RT	RRT	Conc.	%Rec	DL	EMPC
43	Total Tetra-Furans				0.7871	10.004			5.24		0.129	5.70
44	1st Func. Perla-Furans				0.9102	10.004			1.44		0.0362	1.44

#	Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1	Total Tetra-Furans	20.26	2.341e2	4.044e2	0.58	YES	0.097948	0.00000
2	Total Tetra-Furans	20.89	1.150e3	1.755e3	0.66	NO	0.52879	0.52879
3	Total Tetra-Furans	21.32	1.875e2	2.841e2	0.66	NO	0.085830	0.085830
4	Total Tetra-Furans	21.44	3.252e2	4.111e2	0.79	NO	0.13402	0.13402
5	Total Tetra-Furans	21.81	1.469e3	1.755e3	0.84	NO	0.58673	0.58673
6	Total Tetra-Furans	22.29	6.802e2	9.236e2	0.74	NO	0.29195	0.29195
7	Total Tetra-Furans	22.65	2.623e2	3.833e2	0.68	NO	0.11751	0.11751
8	Total Tetra-Furans	23.45	4.825e2	5.571e2	0.87	NO	0.18924	0.00000
9	Total Tetra-Furans	23.57	6.022e2	9.201e2	0.65	NO	0.27710	0.27710
10	Total Tetra-Furans	24.10	3.447e3	4.463e3	0.77	NO	1.4398	1.4398
11	Total Tetra-Furans	24.99	3.764e2	5.285e2	0.71	NO	0.16491	0.16491
12	2,3,7,8-TCDF	25.09	3.585e3	4.464e3	0.80	NO	1.4617	1.4617
13	Total Tetra-Furans	25.48	3.402e2	4.734e2	0.72	NO	0.14810	0.14810



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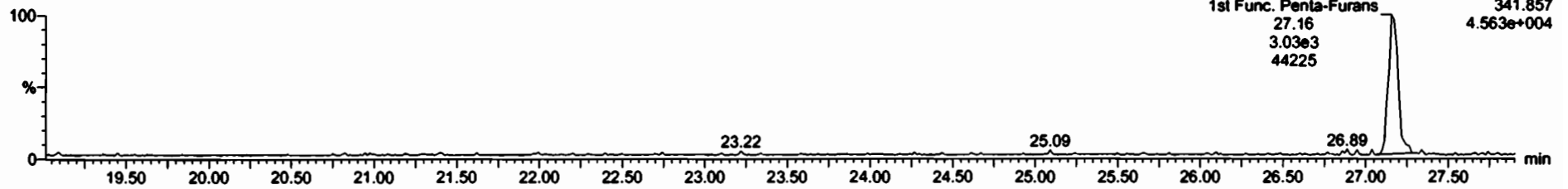
Name: 200521R2_12, Date: 21-May-2020, Time: 21:33:41, ID: 2000957-13 PDI-149SC-A-00-01-200425 12.4, Description: PDI-149SC-A-00-01-200425

1st Func. Penta-Furans

200521R2_12

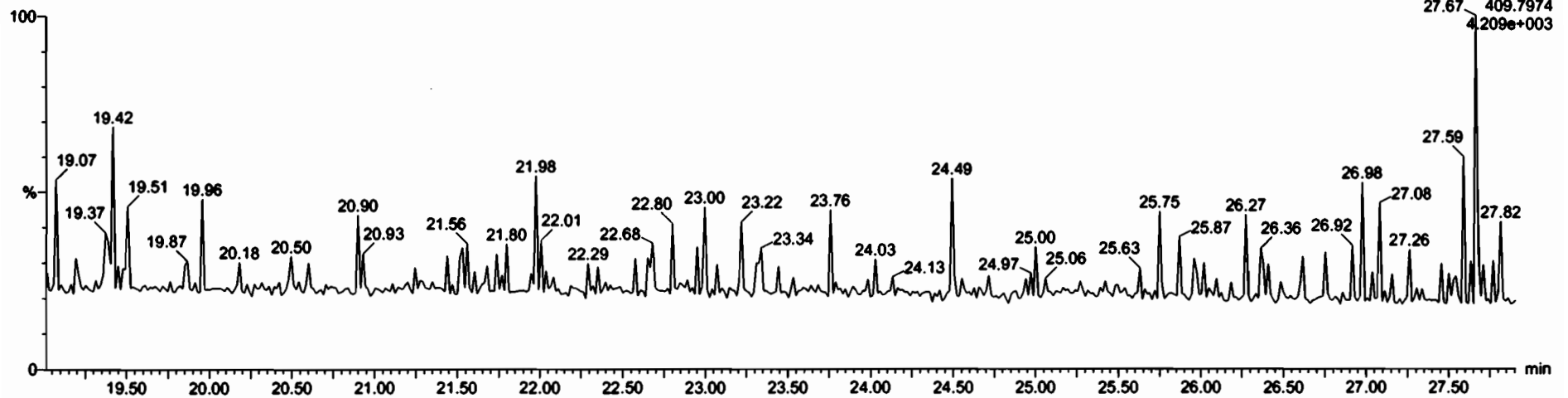


200521R2_12



DPE6

200521R2_12

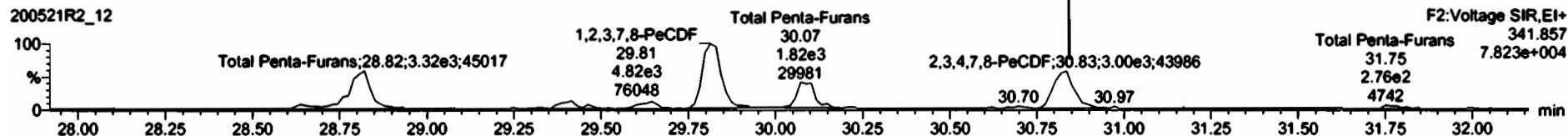
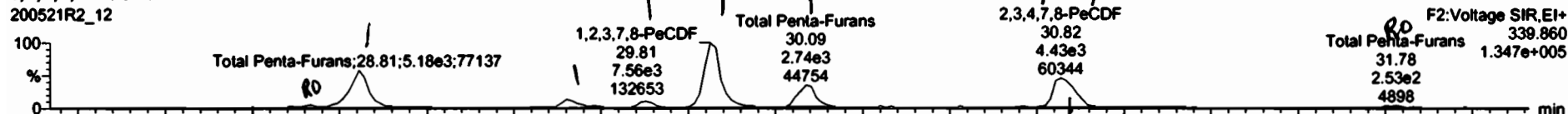


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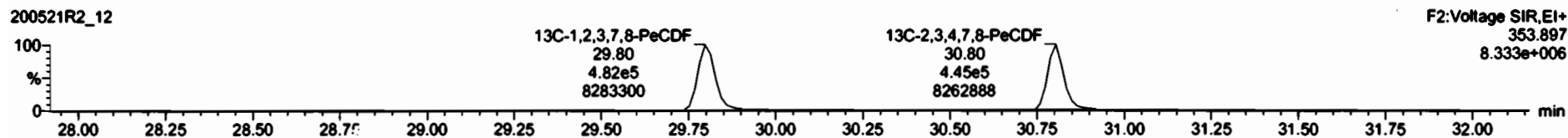
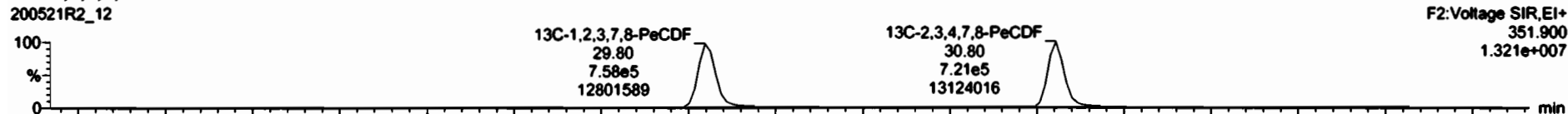
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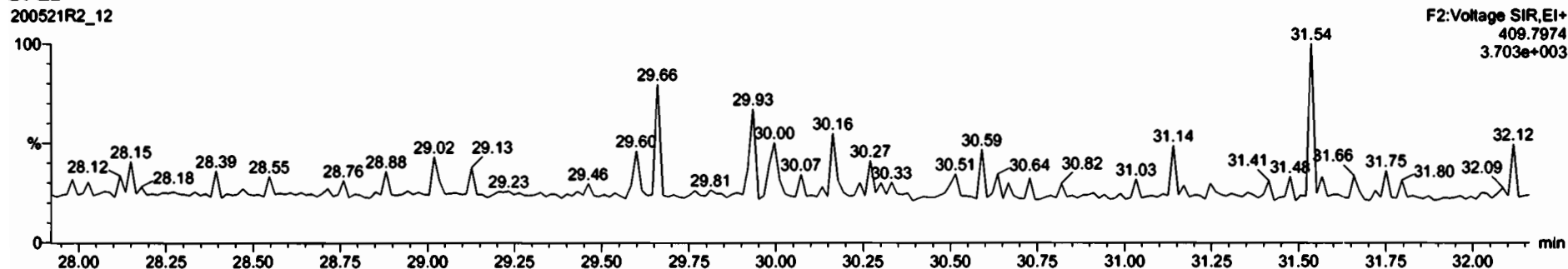
1,2,3,7,8-PeCDF

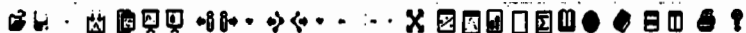


13C-1,2,3,7,8-PeCDF



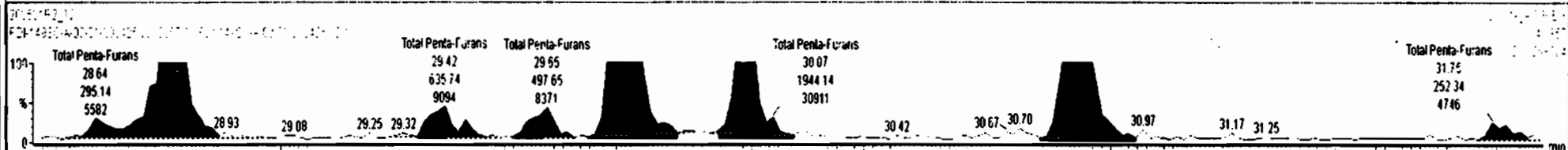
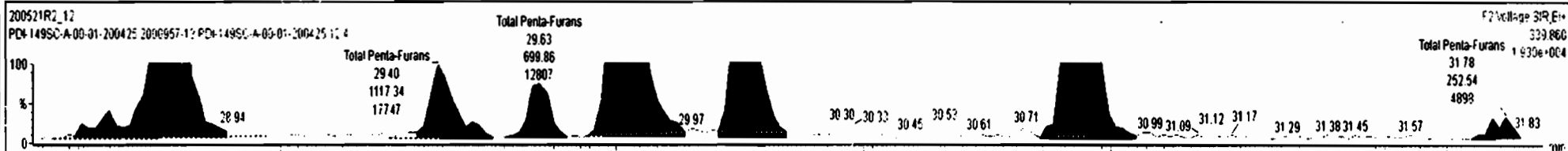
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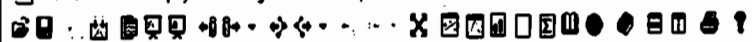




#	Name	Resp	RA	n/y	RF	wtVal	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	9.49e2	0.38	YES	0.9475	10.004	26.03	1.001	0.176		0.140	0.111
2	1,2,3,7,8-PeCDD			NO	0.9425	10.004					0.178	

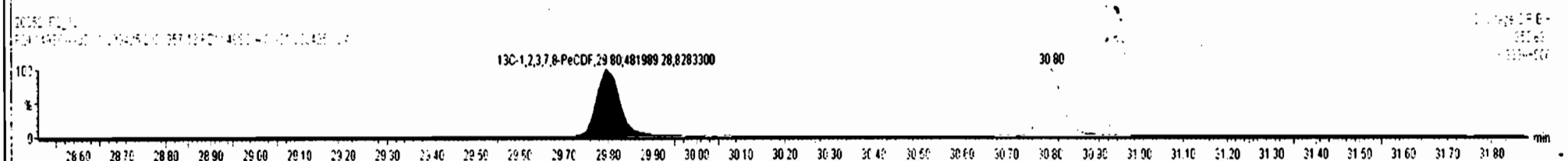
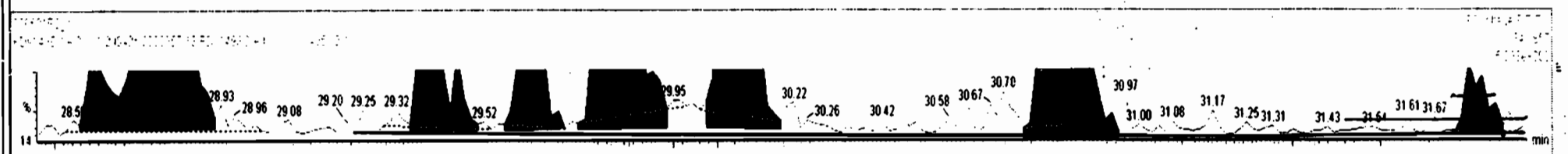
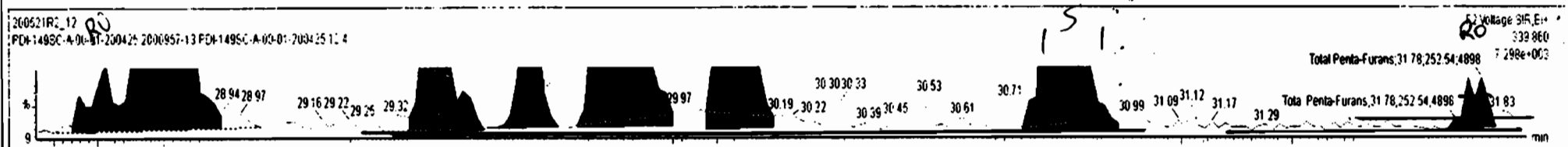
#	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Penta-Furans	28.67	3.613e2	2.951e2	1.22	YES	0.10853	0.00000
2	Total Penta-Furans	28.81	5.078e3	3.236e3	1.57	NO	1.5179	1.5179
3	Total Penta-Furans	29.40	1.117e3	6.357e2	1.76	NO	0.32006	0.32006
4	Total Penta-Furans	29.63	6.999e2	4.978e2	1.41	NO	0.21863	0.21863
5	1,2,3,7,8-PeCDF	29.81	7.663e3	4.962e3	1.54	NO	2.2357	2.2357
6	Total Penta-Furans	30.09	2.935e3	1.944e3	1.51	NO	0.89077	0.89077
7	2,3,4,7,8-PeCDF	30.82	3.345e3	2.430e3	1.38	NO	1.0247	1.0247
8	Total Penta-Furans	30.85	1.248e3	7.615e2	1.64	NO	0.36682	0.36682
9	Total Penta-Furans	31.78	2.525e2	2.523e2	1.00	YES	0.075650	0.00000





Name	Resp	RA	nly	RFF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7871	10.004			5.24	0.129	5.70	
44 1st Func. Penta-Furans				0.9102	10.004			1.44	0.0362	1.44	

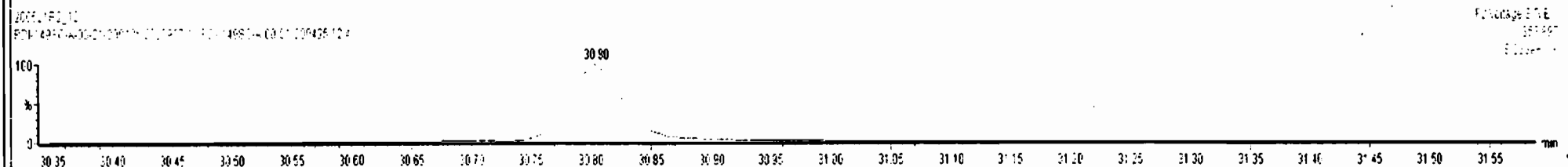
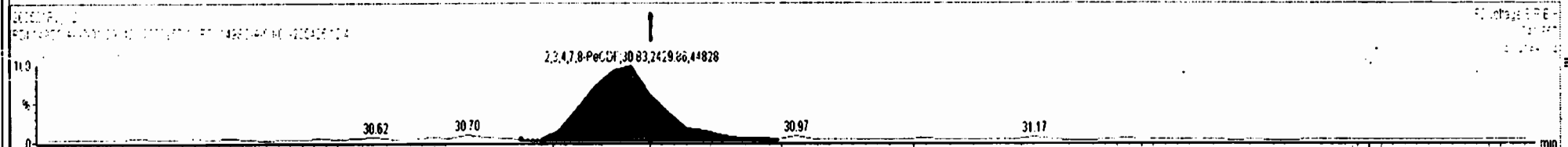
Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Penta-Furans	28.67	3.813e2	2.951e2	1.22	YES	0.10853	0.00000
2 Total Penta-Furans	28.81	5.078e3	3.236e3	1.57	NO	1.5179	1.5179
3 Total Penta-Furans	29.40	1.117e3	6.357e2	1.76	NO	0.32006	0.32006
4 Total Penta-Furans	29.63	6.999e2	4.978e2	1.41	NO	0.21863	0.21863
5 1,2,3,7,8-PeCDF	29.81	7.863e3	4.962e3	1.54	NO	2.2357	2.2357
6 Total Penta-Furans	30.09	2.935e3	1.944e3	1.51	NO	0.89077	0.89077
7 Total Penta-Furans	30.82	3.345e3	2.430e3	1.38	NO	1.0543	1.0543
8 2,3,4,7,8-PeCDF	30.85	1.248e3	7.815e2	1.64	NO	0.35654	0.35654
9 Total Penta-Furans	31.78	2.525e2	2.523e2	1.00	YES	0.075850	0.00000





Name	Resp	RA	nly	RFF	wAvail	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDF	9.49e2	0.38	YES	0.9475	10.004	26.03	1.001	0.176		0.140	0.111
2 1,2,3,7,8-PeCDF			NO	0.9425	10.004					0.178	

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Penta-Furans	28.67	3.613e2	2.951e2	1.22	YES	0.10853	0.00000
2 Total Penta-Furans	28.81	5.078e3	3.236e3	1.57	NO	1.5179	1.5179
3 Total Penta-Furans	29.40	1.117e3	6.357e2	1.76	NO	0.32006	0.32006
4 Total Penta-Furans	29.63	6.988e2	4.978e2	1.41	NO	0.21863	0.21863
5 1,2,3,7,8-PeCDF	29.81	7.663e3	4.962e3	1.54	NO	2.2357	2.2357
6 Total Penta-Furans	30.09	2.935e3	1.944e3	1.51	NO	0.88077	0.88077
7 2,3,4,7,8-PeCDF	30.82	3.345e3	2.430e3	1.38	NO	1.0247	1.0247
8 Total Penta-Furans	30.85	1.248e3	7.615e2	1.64	NO	0.36682	0.36682
9 Total Penta-Furans	31.78	2.525e2	2.523e2	1.00	YES	0.079850	0.00000



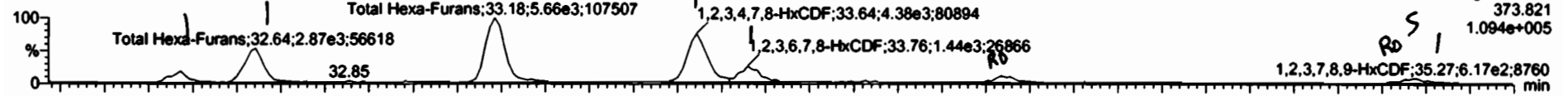
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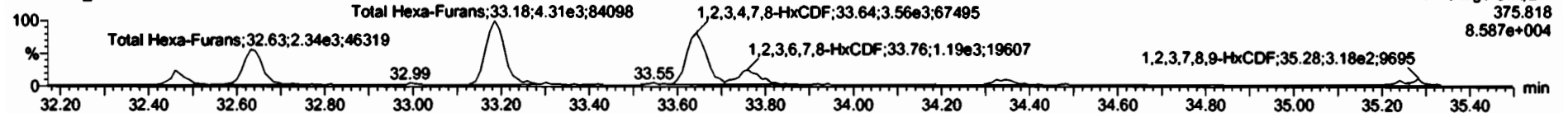
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1,2,3,4,7,8-HxCDF

200521R2_12

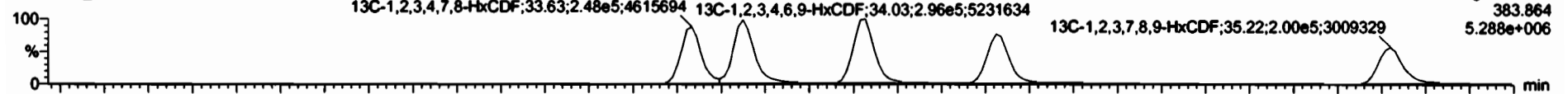


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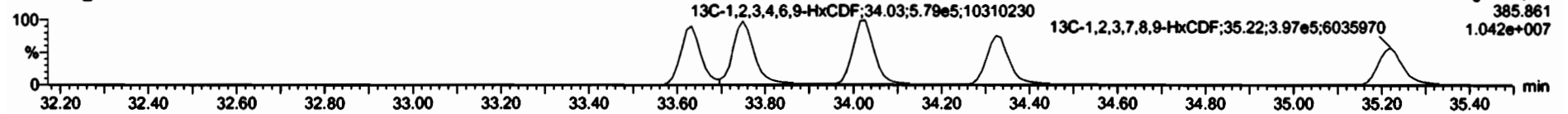


13C-1,2,3,4,7,8-HxCDF

200521R2_12

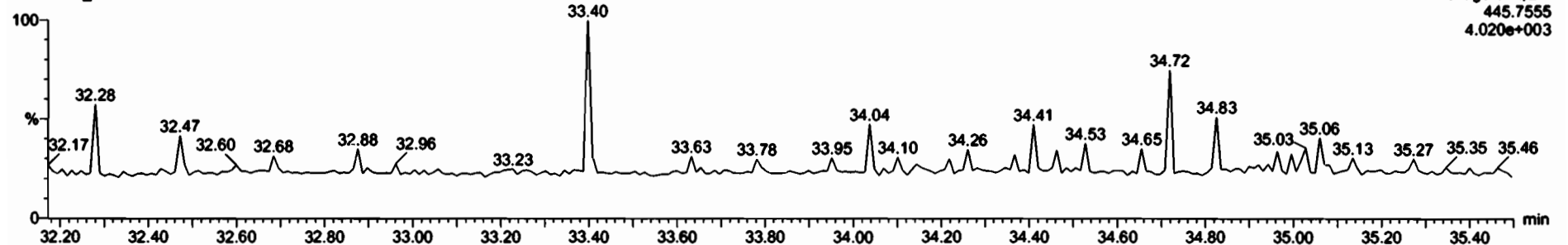


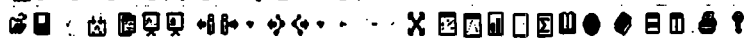
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DPE3

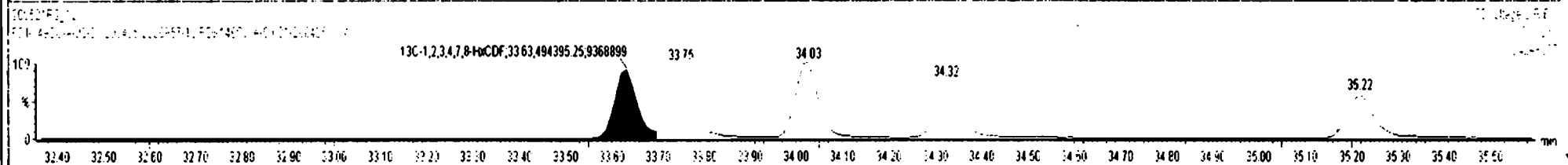
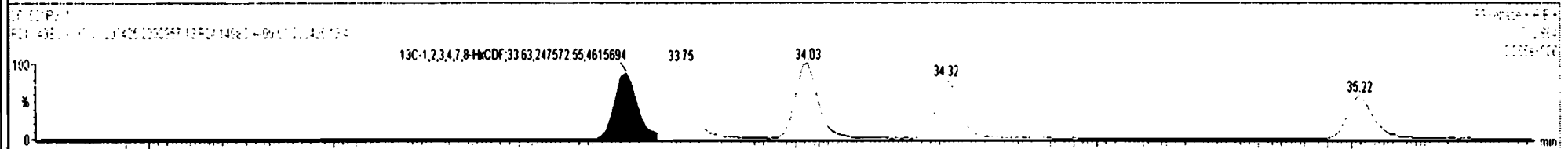
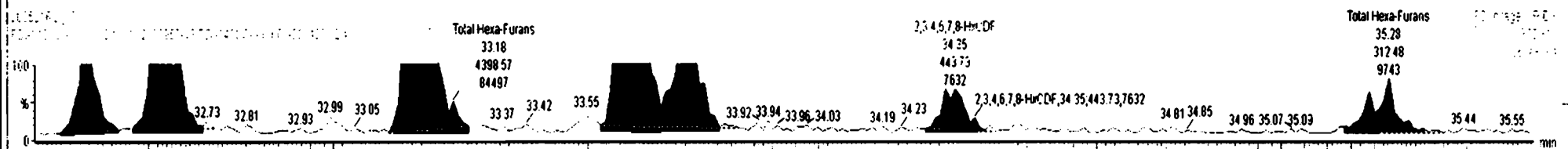
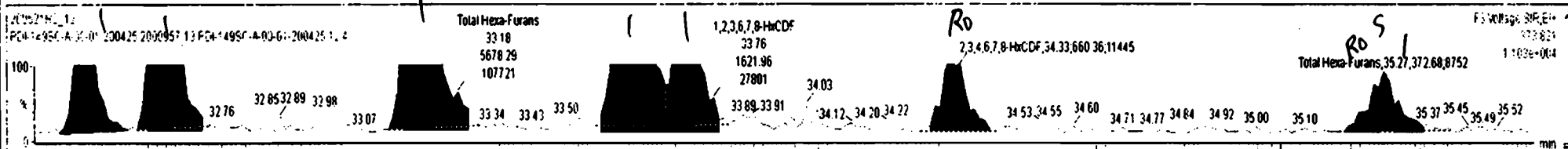
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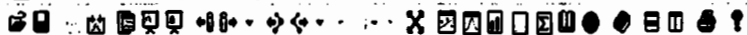




#	Name	Resp	RA	n1	R1F	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
46	Total Hexa-Furans				0.8217	10.004			8.38	0.140	8.03	
47	Total Hepta-Furans				0.8712	10.004			22.3	0.221	22.8	

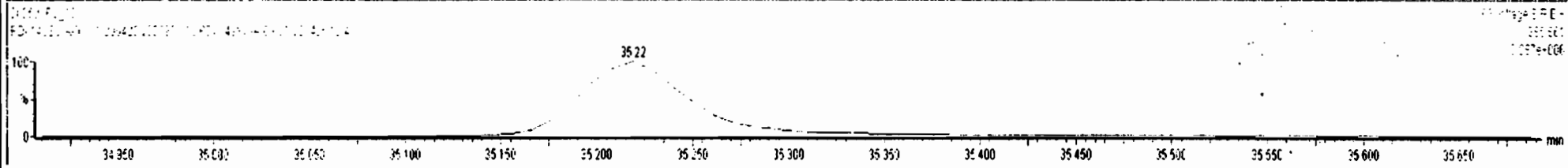
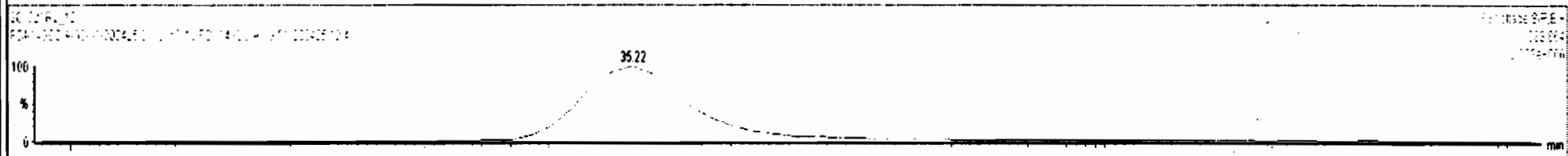
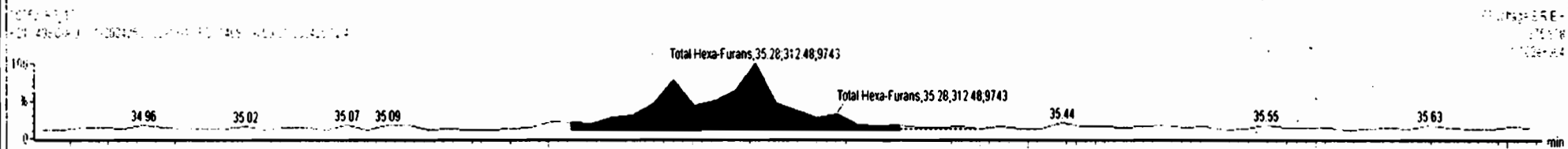
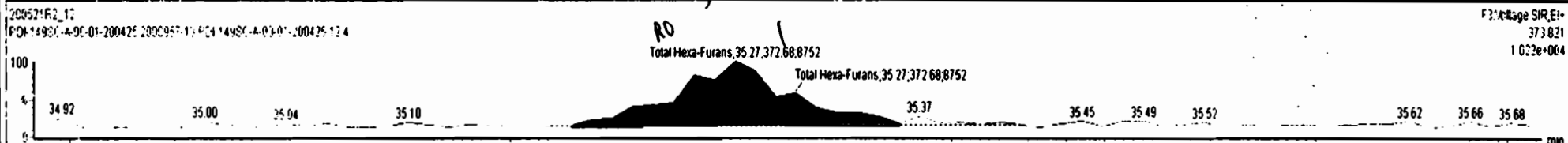
#	Name	RT	m1 Resp	m2 Resp	RA	n1	EMPC	Conc.
1	Total Hexa-Furans	32.47	8.904e2	7.994e2	1.11	NO	0.50647	0.50647
2	Total Hexa-Furans	32.64	2.893e3	2.416e3	1.20	NO	1.5912	1.5912
3	Total Hexa-Furans	33.18	5.678e3	4.399e3	1.29	NO	3.0203	3.0203
4	1,2,3,4,7,8-HxCDF	33.64	4.402e3	3.676e3	1.20	NO	2.4784	2.4784
5	1,2,3,6,7,8-HxCDF	33.76	1.622e3	1.251e3	1.30	NO	0.76374	0.76374
6	2,3,4,6,7,8-HxCDF	34.33	6.804e2	4.437e2	1.49	YES	0.31025	0.00000
7	1,2,3,7,8,9-HxCDF	35.25	2.175e2	2.353e2	0.92	YES	0.15213	0.00000
8	Total Hexa-Furans	35.27	3.777e2	3.125e2	1.19	NO	0.20636	0.00000





Name	Resp	RA	nly	RFF	wAval	RT	RRT	Conc	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9217	10.004			0.36	0.140	0.03	
47 Total Hepta-Furans				0.8712	10.004			22.3	0.221	22.8	

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Furans	32.47	8.904e2	7.994e2	1.11	NO	0.50647	0.50647
2 Total Hexa-Furans	32.64	2.893e3	2.416e3	1.20	NO	1.5912	1.5912
3 Total Hexa-Furans	33.18	5.670e3	4.399e3	1.29	NO	3.0203	3.0203
4 1,2,3,4,7,8-HxCDF	33.64	4.402e3	3.676e3	1.20	NO	2.4784	2.4784
5 1,2,3,6,7,8-HxCDF	33.76	1.622e3	1.251e3	1.30	NO	0.76374	0.76374
6 2,3,4,6,7,8-HxCDF	34.33	6.604e2	4.437e2	1.49	YES	0.31025	0.00000
7 1,2,3,7,8,9-HxCDF	35.25	2.175e2	2.353e2	0.92	YES	0.15213	0.00000
8 Total Hexa-Furans	35.27	3.727e2	3.125e2	1.19	NO	0.20536	0.00000



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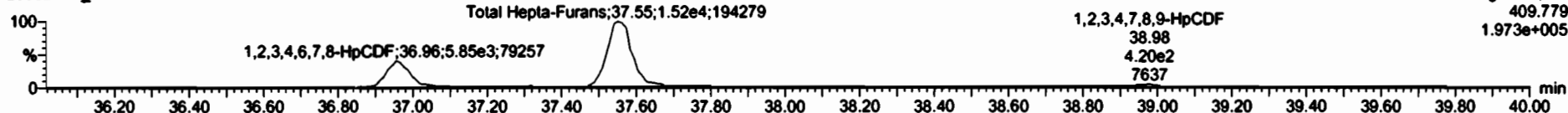
Name: 200521R2_12, Date: 21-May-2020, Time: 21:33:41, ID: 2000957-13 PDI-149SC-A-00-01-200425 12.4, Description: PDI-149SC-A-00-01-200425

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

200521R2_12



200521R2_12

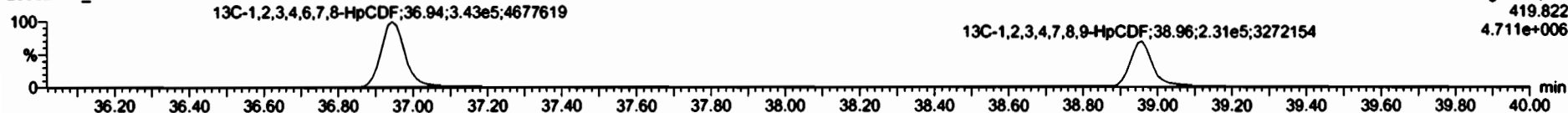


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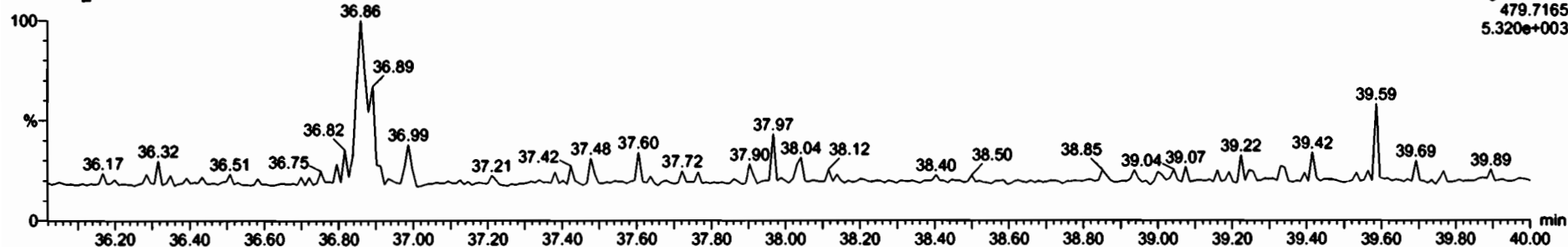


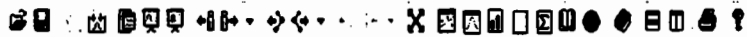
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DPE4

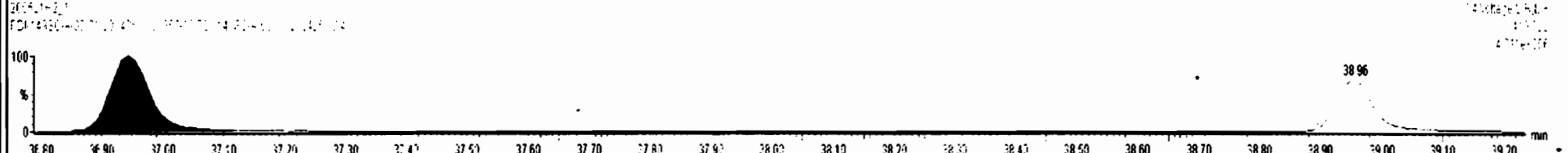
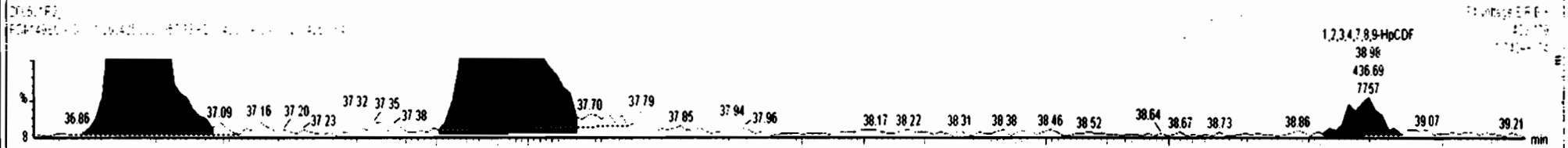
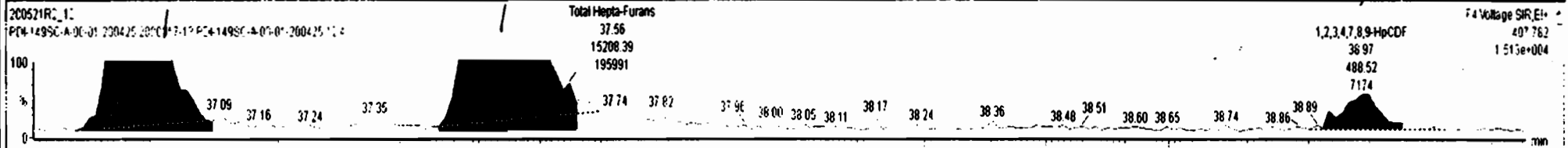
200521R2_12





Name	Resp	RA	n/y	R/F	w/Aol	RT	RRT	Conc.	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9217	10.004			8.36		0.140	9.03
47 Total Hepta-Furans				0.8712	10.004			23.1		0.221	23.1

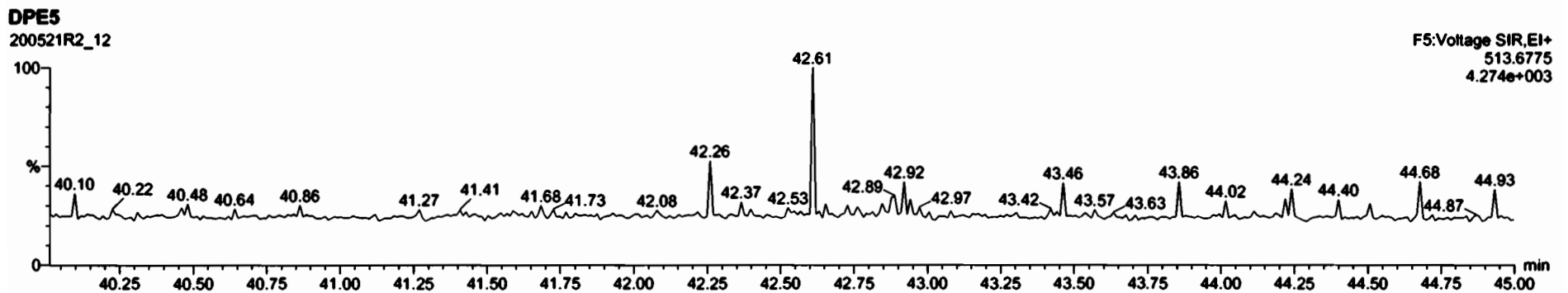
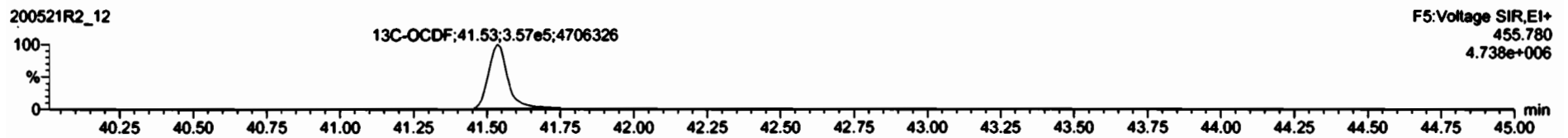
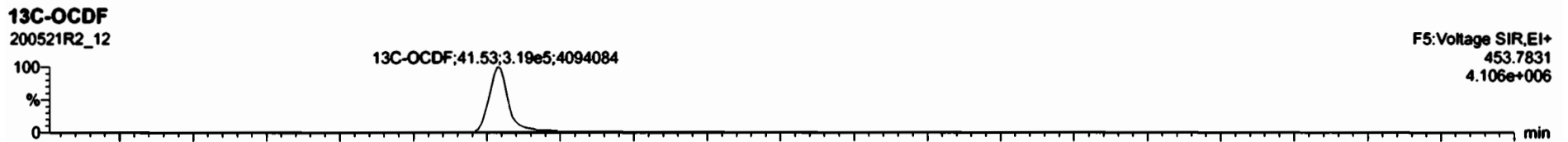
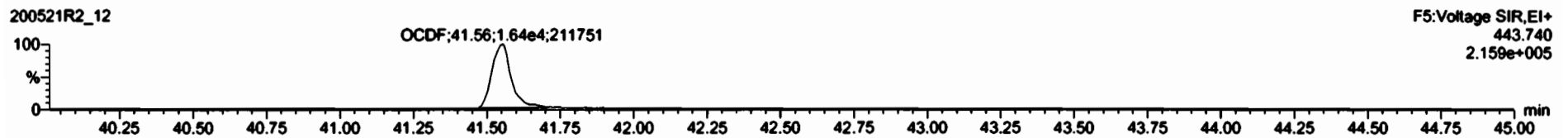
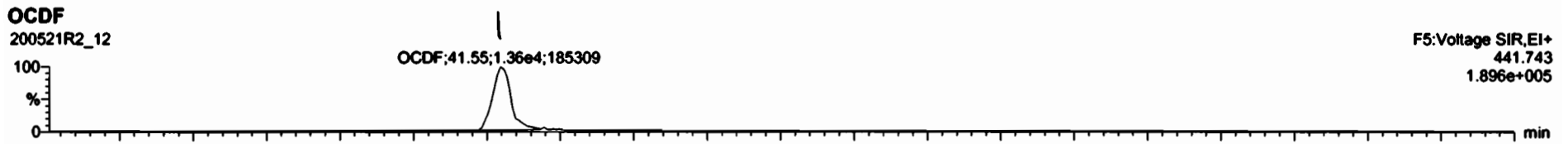
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	36.97	5.812e3	5.761e3	1.01	NO	5.4043	5.4043
2 Total Hepta-Furans	37.56	1.521e4	1.525e4	1.00	NO	17.157	17.157
3 1,2,3,4,7,8,9-HpCDF	38.97	4.865e2	4.367e2	1.12	NO	0.96539	0.96539



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Printed: Friday, May 22, 2020 7:58:30 AM Pacific Daylight Time

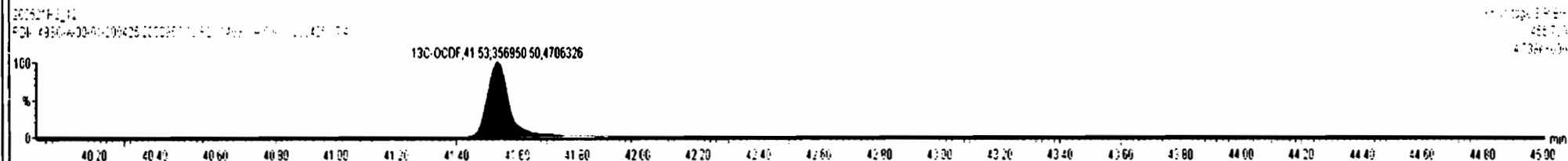
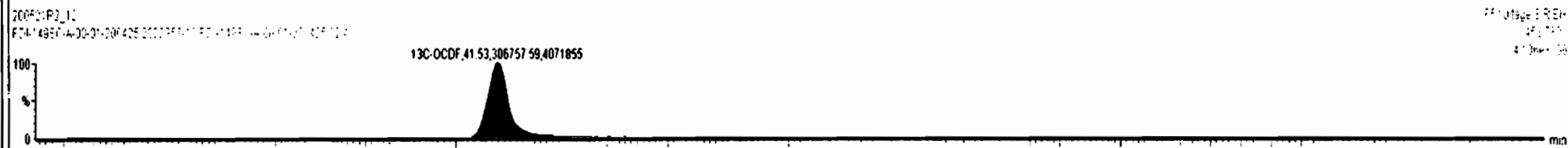
Name: 200521R2_12, Date: 21-May-2020, Time: 21:33:41, ID: 2000957-13 PDI-149SC-A-00-01-200425 12.4, Description: PDI-149SC-A-00-01-200425





Name	Resp	RA	nly	RRF	wtAdj	RT	RRT	Conc.	%Rec	DL	EMPC
17 OCDF	3.00e4	0.83	NO	0.8021	10.004	41.55	1.000	22.5		0.263	22.5
18 13C-2,3,7,8-TCDF	1.14e5	0.77	NO	1.1595	10.004	26.00	1.027	187	93.5	0.295	

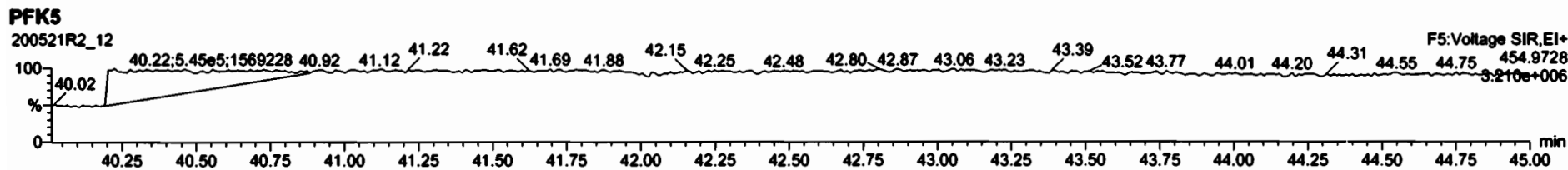
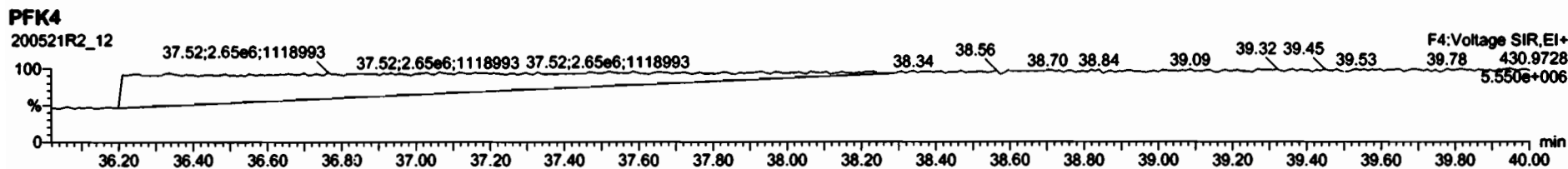
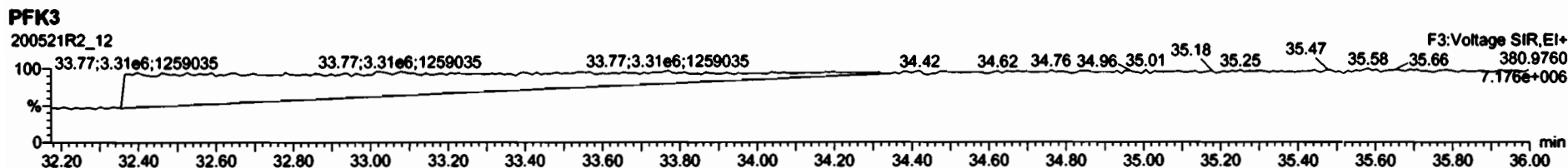
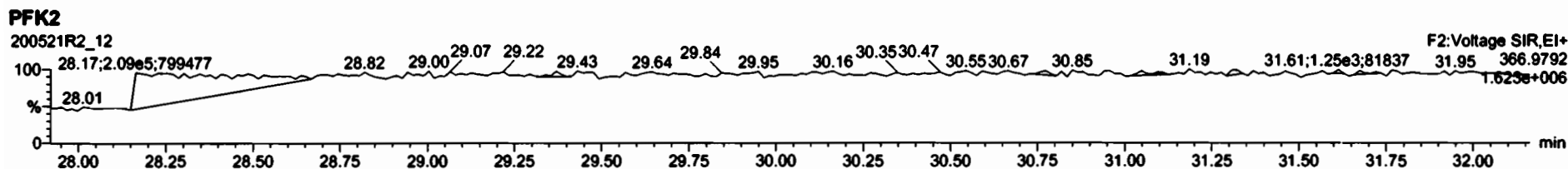
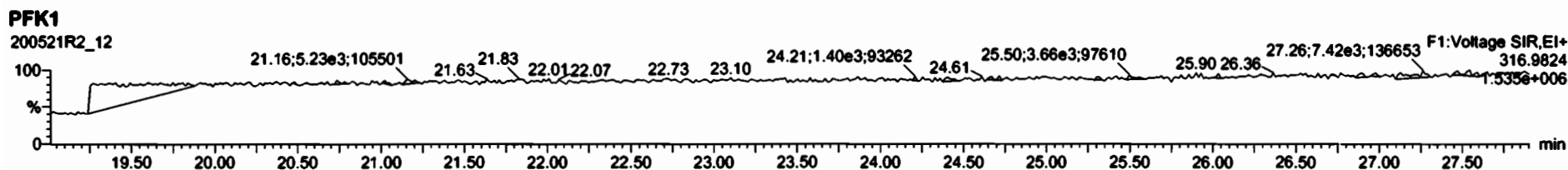
Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1							



Dataset: Untitled

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Printed: Friday, May 22, 2020 7:58:30 AM Pacific Daylight Time

Name: 200521R2_12, Date: 21-May-2020, Time: 21:33:41, ID: 2000957-13 PDI-149SC-A-00-01-200425 12.4, Description: PDI-149SC-A-00-01-200425



Dataset: U:\VG12.PRO\Results\200521R2\200521R2-13.qld

Last Altered: Friday, May 22, 2020 3:36:04 PM Pacific Daylight Time
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dy 05-22-2020 (706/02/2020)

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
Calibration: U:\VG12.PRO\CurveDB\ldb5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200521R2_13, Date: 21-May-2020, Time: 22:19:53, ID: 2000957-14 PDI-149SC-A-04-05-200425 12.1, Description: PDI-149SC-A-04-05-200425

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.RRT	RRT	Conc			
1	2,3,7,8-TCDD	1.22e3	0.33	YES	0.947	10.009	26.036	26.05	1.001	1.002	0.20059		0.0940	0.114
2	1,2,3,7,8-PeCDD			NO	0.942	10.009	31.147		1.001				0.129	
3	1,2,3,4,7,8-HxCDD			NO	1.06	10.009	34.505		1.000				0.175	
4	1,2,3,6,7,8-HxCDD			NO	0.915	10.009	34.602		1.000				0.178	
5	1,2,3,7,8,9-HxCDD			NO	0.915	10.009	34.889		1.000				0.201	
6	1,2,3,4,6,7,8-HpCDD	5.17e3	0.99	NO	0.898	10.009	38.394	38.40	1.000	1.001	2.1343		0.384	2.13
7	OCDD	5.19e4	0.87	NO	0.933	10.009	41.365	41.39	1.000	1.001	25.195		0.400	25.2
8	2,3,7,8-TCDF			NO	0.787	10.009	25.102		1.001				0.0423	
9	1,2,3,7,8-PeCDF			NO	0.910	10.009	29.819		1.001				0.0648	
10	2,3,4,7,8-PeCDF			NO	0.966	10.009	30.836		1.001				0.0575	
11	1,2,3,4,7,8-HxCDF			NO	0.878	10.009	33.632		1.000				0.0686	
12	1,2,3,6,7,8-HxCDF			NO	0.874	10.009	33.770		1.000				0.0614	
13	2,3,4,6,7,8-HxCDF			NO	0.922	10.009	34.369		1.001				0.0711	
14	1,2,3,7,8,9-HxCDF			NO	0.864	10.009	35.230		1.000				0.108	
15	1,2,3,4,6,7,8-HpCDF	5.04e2	0.96	NO	0.871	10.009	36.992	36.97	1.001	1.000	0.18519		0.0563	0.185
16	1,2,3,4,7,8,9-HpCDF			NO	1.01	10.009	38.968		1.000				0.123	
17	OCDF	6.96e2	0.75	YES	0.802	10.009	41.556	41.58	1.000	1.001	0.33143		0.126	0.302
18	13C-2,3,7,8-TCDD	1.28e6	0.79	NO	1.16	10.009	26.000	26.00	1.026	1.027	221.73	111	0.336	
19	13C-1,2,3,7,8-PeCDD	9.64e5	0.63	NO	0.847	10.009	31.086	31.13	1.227	1.229	228.46	114	0.300	
20	13C-1,2,3,4,7,8-HxCDD	6.70e5	1.28	NO	0.750	10.009	34.506	34.49	1.014	1.014	219.93	110	0.614	
21	13C-1,2,3,6,7,8-HxCDD	8.47e5	1.26	NO	0.963	10.009	34.618	34.60	1.017	1.017	216.44	108	0.478	
22	13C-1,2,3,7,8,9-HxCDD	7.56e5	1.25	NO	0.838	10.009	34.887	34.88	1.025	1.025	222.19	111	0.549	
23	13C-1,2,3,4,6,7,8-HpCDD	5.39e5	1.04	NO	0.641	10.009	38.378	38.38	1.128	1.128	206.72	103	0.473	
24	13C-OCDD	8.82e5	0.89	NO	0.586	10.009	41.372	41.36	1.216	1.216	370.19	92.6	0.650	
25	13C-2,3,7,8-TCDF	1.56e6	0.77	NO	1.03	10.009	25.060	25.08	0.989	0.990	216.50	108	0.457	
26	13C-1,2,3,7,8-PeCDF	1.39e6	1.61	NO	0.845	10.009	29.777	29.80	1.176	1.176	235.79	118	0.647	
27	13C-2,3,4,7,8-PeCDF	1.32e6	1.60	NO	0.814	10.009	30.767	30.81	1.215	1.216	232.99	117	0.672	
28	13C-1,2,3,4,7,8-HxCDF	8.60e5	0.50	NO	1.00	10.009	33.645	33.63	0.989	0.988	210.63	105	0.733	
29	13C-1,2,3,6,7,8-HxCDF	1.02e6	0.50	NO	1.14	10.009	33.767	33.76	0.992	0.992	220.28	110	0.648	
30	13C-2,3,4,6,7,8-HxCDF	8.61e5	0.51	NO	1.02	10.009	34.336	34.33	1.009	1.009	207.18	104	0.721	
31	13C-1,2,3,7,8,9-HxCDF	7.30e5	0.50	NO	0.845	10.009	35.227	35.23	1.035	1.035	212.72	106	0.872	

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-13.qld

Last Altered: Friday, May 22, 2020 3:36:04 PM Pacific Daylight Time
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Name: 200521R2_13, Date: 21-May-2020, Time: 22:19:53, ID: 2000957-14 PDI-149SC-A-04-05-200425 12.1, Description: PDI-149SC-A-04-05-200425

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRFS	Conc	Rec	IS	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	6.25e5	0.42	NO	0.771	10.009	36.959	36.96	1.086	1.086	199.27	99.7	0.601	
33	13C-1,2,3,4,7,8,9-HpCDF	4.13e5	0.43	NO	0.482	10.009	38.970	38.97	1.145	1.145	210.72	105	0.962	
34	13C-OCDF	1.05e6	0.87	NO	0.669	10.009	41.542	41.56	1.221	1.221	385.27	96.4	0.454	
35	37Cl-2,3,7,8-TCDD	5.28e5			1.10	10.009	26.030	26.03	1.028	1.028	96.533	121	0.104	
36	13C-1,2,3,4-TCDD	9.96e5	0.78	NO	1.00	10.009	25.350	25.33	1.000	1.000	199.82	100	0.390	
37	13C-1,2,3,4-TCDF	1.39e6	0.77	NO	1.00	10.009	23.560	23.53	1.000	1.000	199.82	100	0.473	
38	13C-1,2,3,4,6,9-HxCDF	8.12e5	0.51	NO	1.00	10.009	34.000	34.03	1.000	1.000	199.82	100	0.737	
39	Total Tetra-Dioxins				0.947	10.009	24.620		0.000		0.81087		0.0940	0.925
40	Total Penta-Dioxins				0.942	10.009	29.960		0.000		0.00000		0.0593	0.222
41	Total Hexa-Dioxins				0.915	10.009	33.635		0.000		1.9312		0.193	1.93
42	Total Hepta-Dioxins				0.898	10.009	37.640		0.000		6.0494		0.384	6.05
43	Total Tetra-Furans				0.787	10.009	23.610		0.000		0.00000		0.0179	0.133
44	1st Func. Penta-Furans				0.910	10.009	27.090		0.000		0.28518		0.0282	0.285
45	Total Penta-Furans				0.910	10.009	29.275		0.000				0.0325	
46	Total Hexa-Furans				0.922	10.009	33.555		0.000		0.25817		0.0722	0.258
47	Total Hepta-Furans				0.871	10.009	37.835		0.000		0.18519		0.0650	0.353

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-13.qld

Last Altered: Friday, May 22, 2020 3:36:04 PM Pacific Daylight Time

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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200521R2_13, Date: 21-May-2020, Time: 22:19:53, ID: 2000957-14 PDI-149SC-A-04-05-200425 12.1, Description: PDI-149SC-A-04-05-200425

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Dioxins	22.80	3.595e3	3.941e3	3.351e2	4.056e2	0.83	NO	7.407e2	0.12195	0.12195	0.0940
2	Total Tetra-Dioxins	23.73	1.480e4	1.923e4	1.180e3	1.570e3	0.75	NO	2.749e3	0.45269	0.45269	0.0940
3	Total Tetra-Dioxins	25.30	6.126e3	5.679e3	3.706e2	4.433e2	0.84	NO	8.139e2	0.13400	0.13400	0.0940
4	2,3,7,8-TCDD	26.05	4.008e3	1.316e4	3.011e2	9.172e2	0.33	YES	1.218e3	0.00000	0.11396	0.0940
5	Total Tetra-Dioxins	27.04	3.710e3	7.584e3	2.785e2	3.424e2	0.81	NO	6.209e2	0.10222	0.10222	0.0940

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Dioxins	29.37	6.405e3	1.528e4	3.904e2	7.943e2	0.49	YES	0.000e0	0.00000	0.22206	0.129

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Dioxins	33.04	4.610e4	3.898e4	2.302e3	1.851e3	1.24	NO	4.154e3	1.1973	1.1973	0.193
2	Total Hexa-Dioxins	33.83	1.872e4	1.685e4	1.346e3	1.200e3	1.12	NO	2.546e3	0.73391	0.73391	0.193

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hepta-Dioxins	37.35	5.457e4	5.534e4	4.568e3	4.915e3	0.93	NO	9.483e3	3.9152	3.9152	0.384
2	1,2,3,4,6,7,8-HpCDD	38.40	2.970e4	2.998e4	2.570e3	2.600e3	0.99	NO	5.169e3	2.1343	2.1343	0.384

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Furans	20.86	4.857e3	3.634e3	3.252e2	2.885e2	1.13	YES	0.000e0	0.00000	0.082926	0.0423
2	Total Tetra-Furans	22.28	1.485e3	2.760e3	1.344e2	2.382e2	0.56	YES	0.000e0	0.00000	0.050171	0.0423

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-13.qld

Last Altered: Friday, May 22, 2020 3:36:04 PM Pacific Daylight Time
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Name: 200521R2_13, Date: 21-May-2020, Time: 22:19:53, ID: 2000957-14 PDI-149SC-A-04-05-200425 12.1, Description: PDI-149SC-A-04-05-200425

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1st Func. Penta-Furans	27.16	1.397e4	1.109e4	1.027e3	7.363e2	1.40	NO	1.763e3	0.28518	0.28518	0.0282

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 Total Hexa-Furans	32.66	4.634e3	5.456e3	2.716e2	2.312e2	1.17	NO	5.028e2	0.12567	0.12567	0.0722
2 Total Hexa-Furans	33.19	5.943e3	6.080e3	3.116e2	2.185e2	1.43	NO	5.301e2	0.13250	0.13250	0.0722

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1,2,3,4,6,7,8-HpCDF	36.97	3.650e3	5.451e3	2.475e2	2.568e2	0.96	NO	5.043e2	0.18519	0.18519	0.0563
2 Total Hepta-Furans	37.58	3.214e3	3.522e3	1.934e2	2.248e2	0.86	YES	0.000e0	0.00000	0.16766	0.0650

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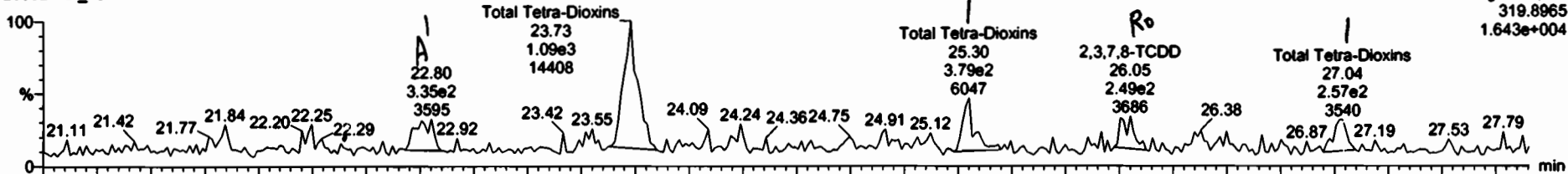
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dy 05-22-2020

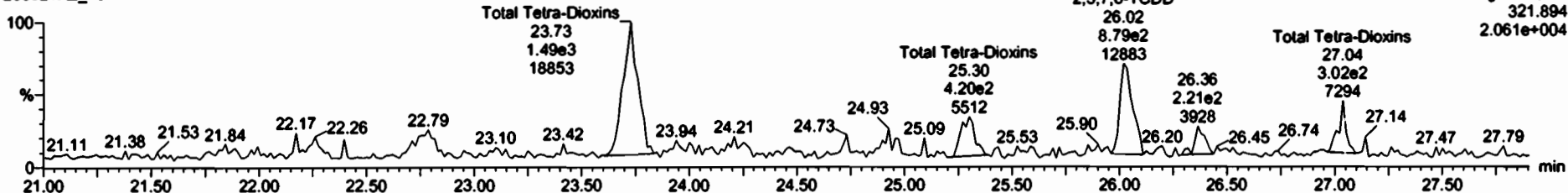
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2,3,7,8-TCDD

200521R2_13



200521R2_13

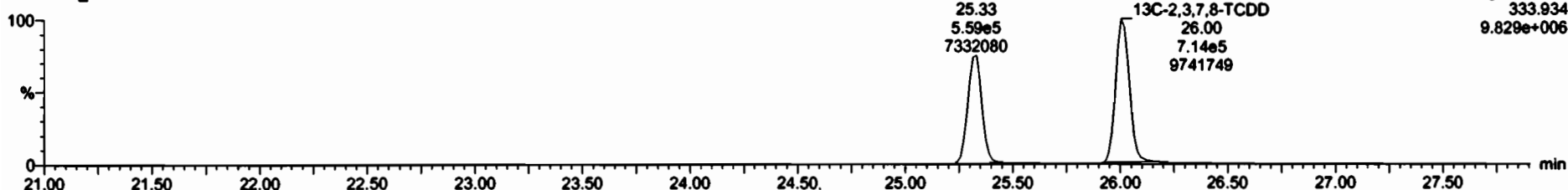


13C-2,3,7,8-TCDD

200521R2_13

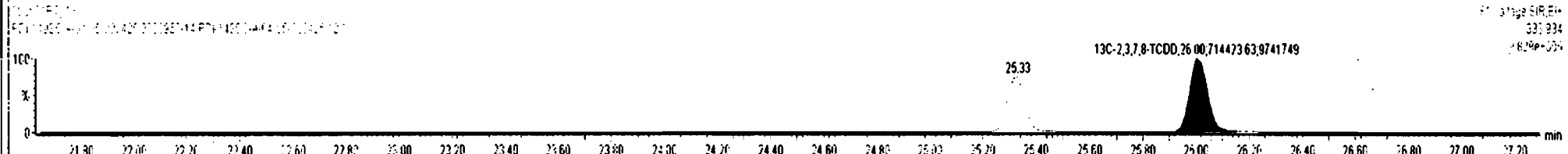
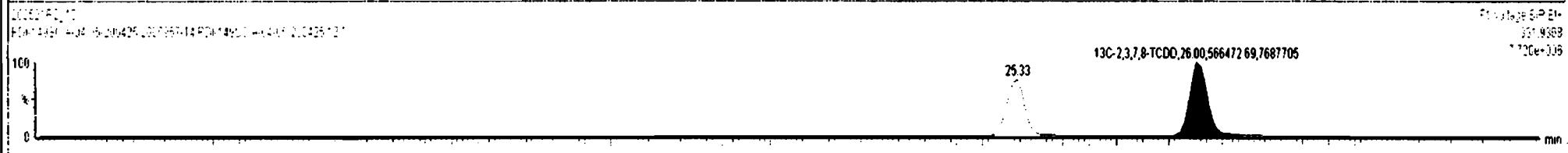
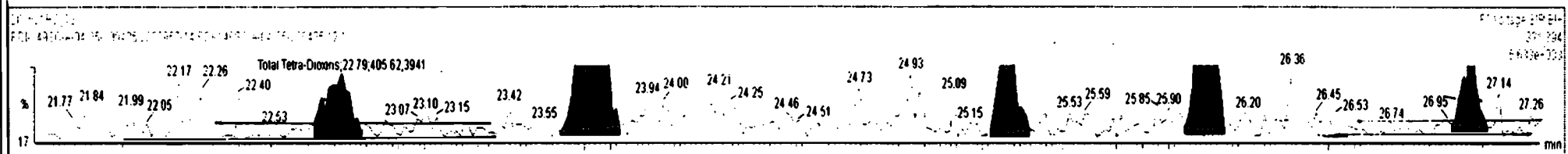
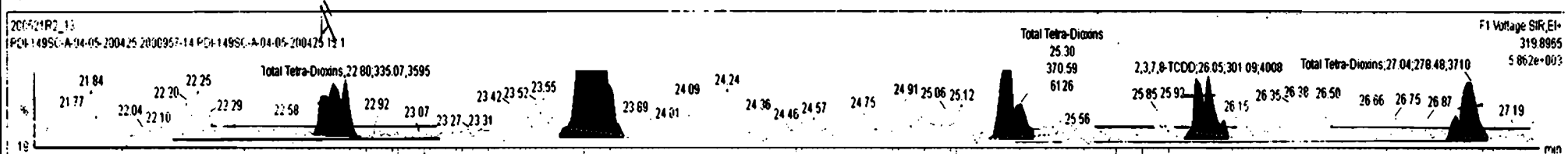


200521R2_13



ID	Name	Resp	RA	nly	RFF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
30	Total Tetra-Dioxins				0.9475	10.000			0.011	0.0040	0.825	
40	Total Penta-Dioxins				0.9425	10.000			0.000	0.0503	0.197	

ID	Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1	Total Tetra-Dioxins	22.80	3.351e2	4.056e2	0.83	NO	0.12195	0.12195
2	Total Tetra-Dioxins	23.73	1.180e3	1.570e3	0.75	NO	0.45269	0.45269
3	Total Tetra-Dioxins	25.30	3.706e2	4.433e2	0.84	NO	0.13400	0.13400
4	2,3,7,8-TCDD	26.05	3.011e2	9.172e2	0.33	YES	0.11396	0.00000
5	Total Tetra-Dioxins	27.04	2.785e2	3.424e2	0.81	NO	0.10222	0.10222



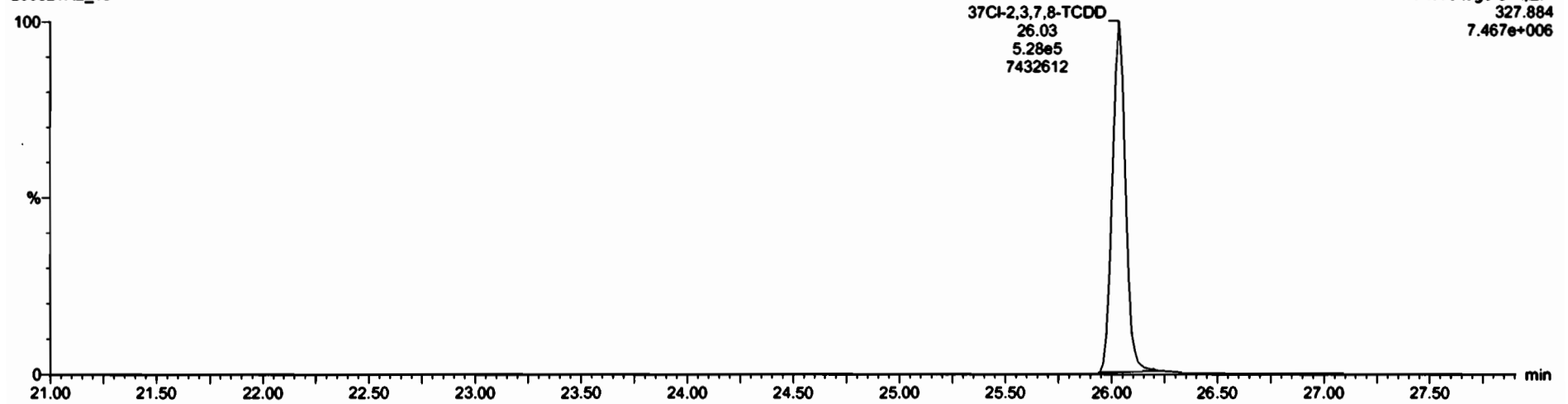
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37Cl-2,3,7,8-TCDD

200521R2_13

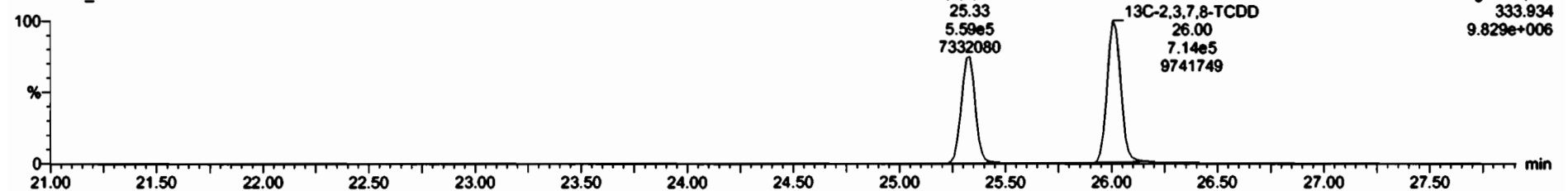


13C-1,2,3,4-TCDD

200521R2_13



200521R2_13



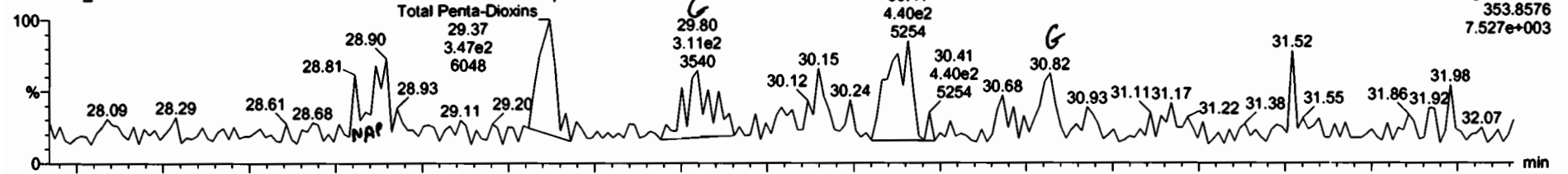
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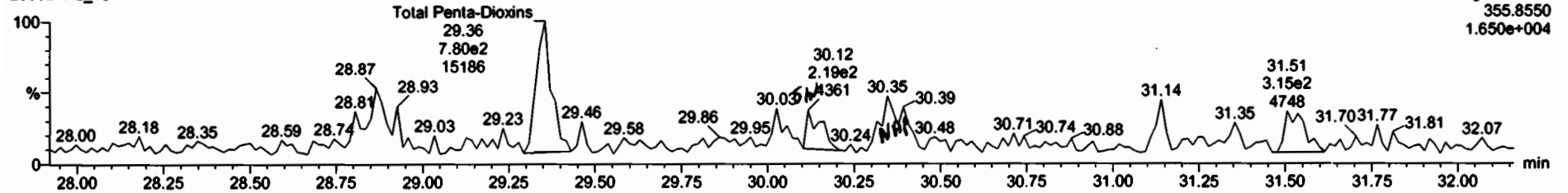
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1,2,3,7,8-PeCDD

200521R2_13

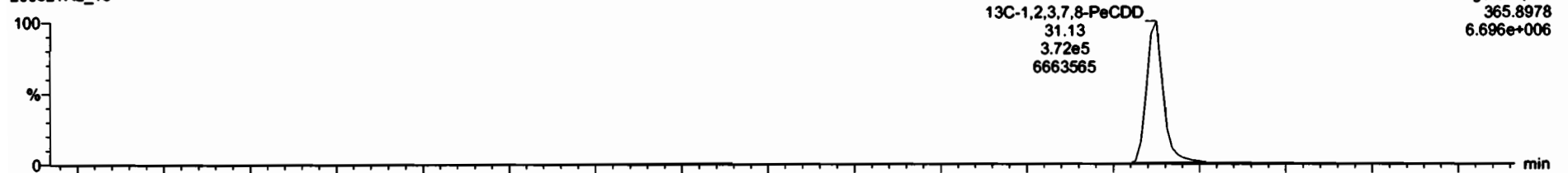


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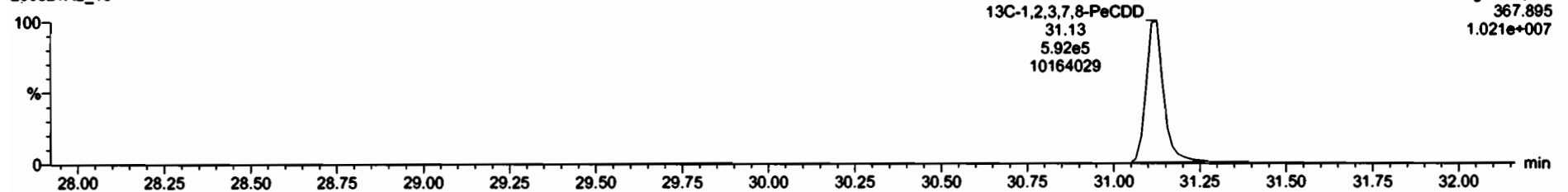


13C-1,2,3,7,8-PeCDD

200521R2_13



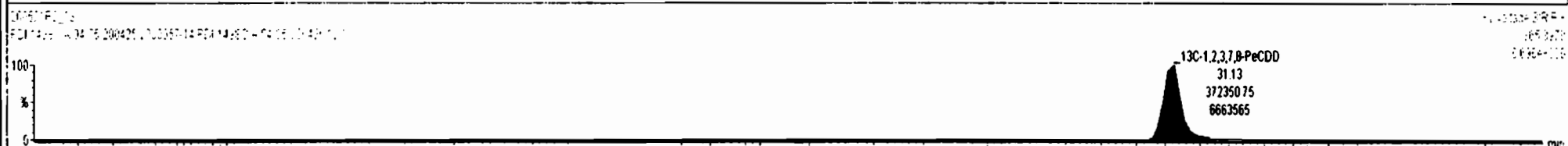
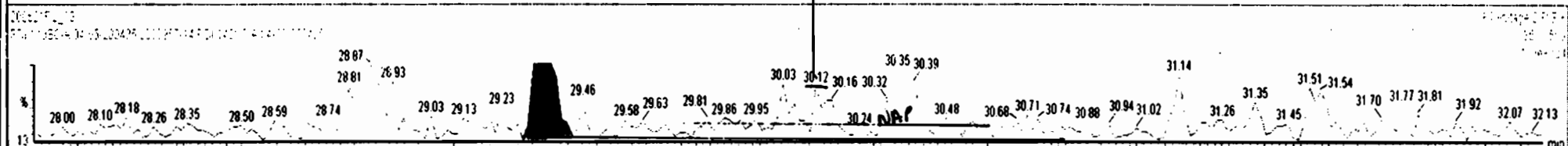
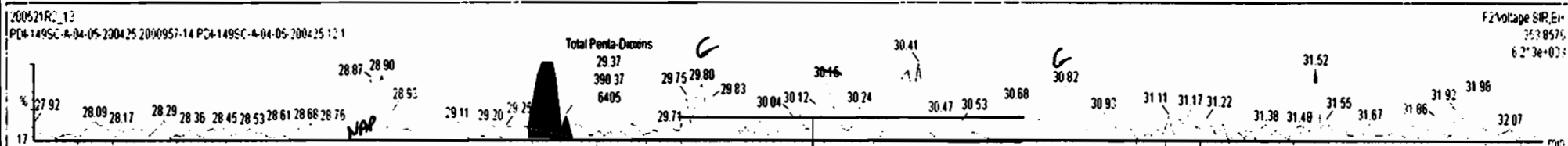
200521R2_13





Name	Resp	RA	nly	RFF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9475	10.009			0.811	0.0940	0.925	
40 Total Penta-Dioxins				0.9425	10.009			0.000	0.0593	0.222	

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Penta-Dioxins	29.37	3.904e2	7.943e2	0.49	YES	0.22206	0.00000



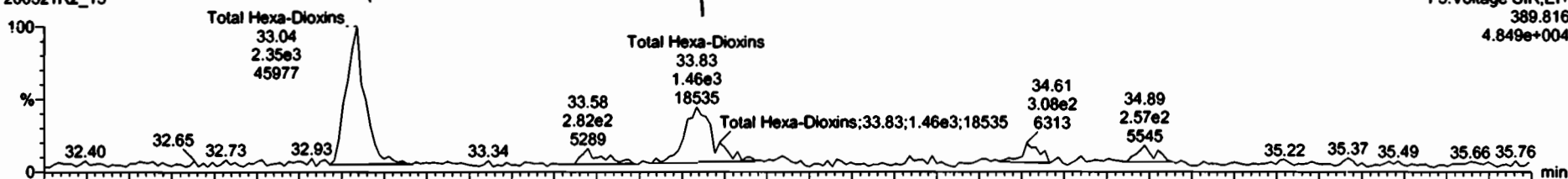
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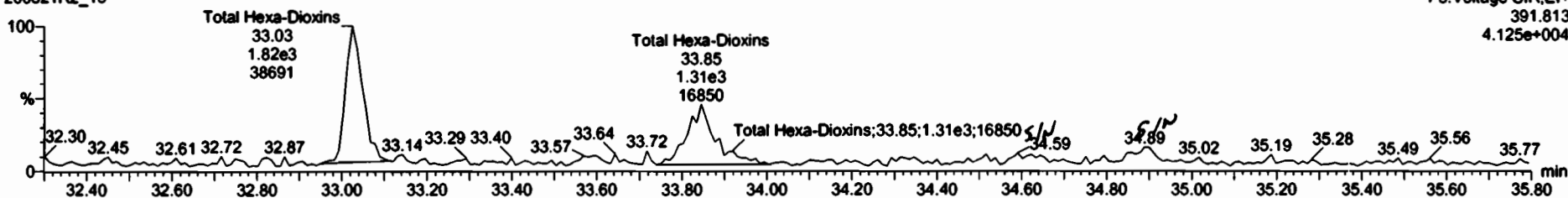
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1,2,3,4,7,8-HxCDD

200521R2_13

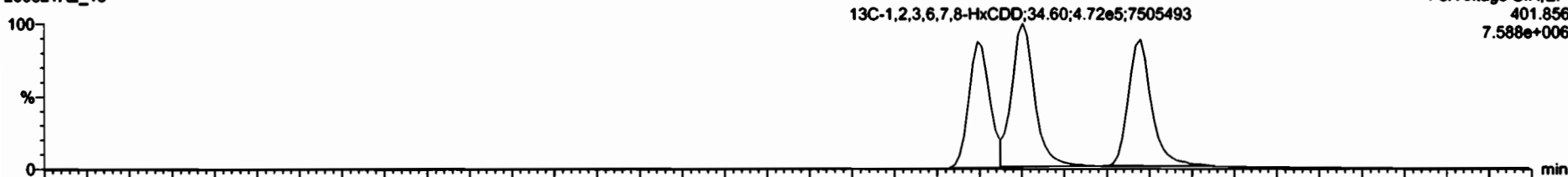


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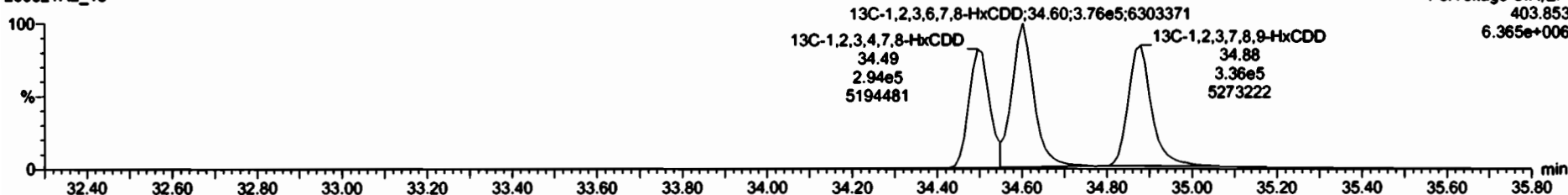


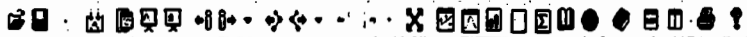
13C-1,2,3,4,7,8-HxCDD

200521R2_13



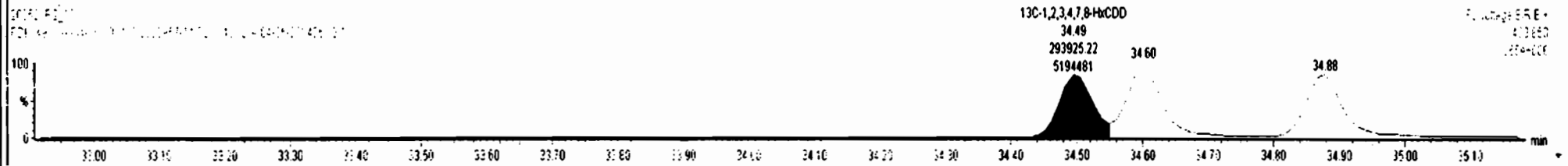
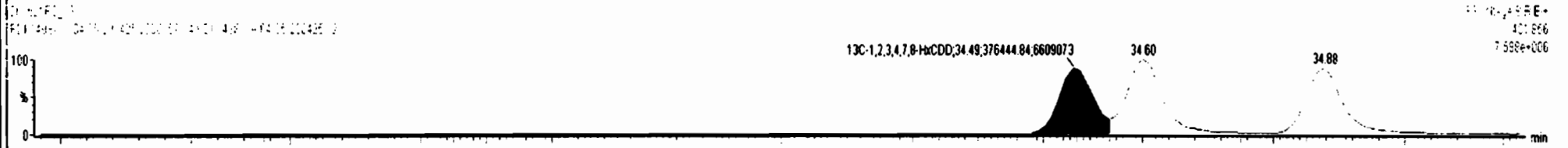
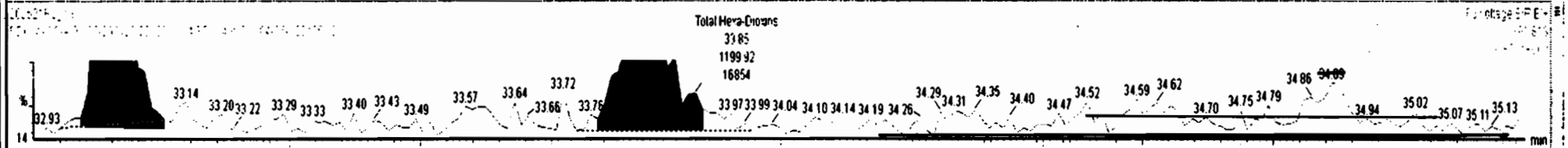
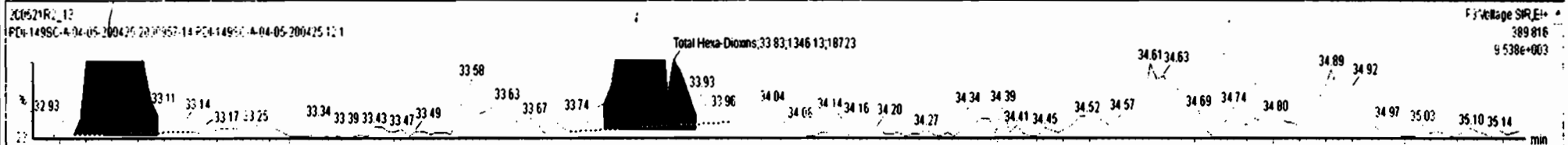
200521R2_13





SI	Name	Resp	RA	rvly	RFF	wVal	RT	RRT	Conc.	%Rec	DL	EMPC
39	Total Tetra-Dioxins				0.9475	10.009			0.811	0.0940	0.925	
40	Total Penta-Dioxins				0.9425	10.009			0.000	0.0593	0.222	

SI	Name	RT	m1 Resp	m2 Resp	RA	rvly	EMPC	Conc.
1	Total Hexa-Dioxins	33.04	2.302e3	1.851e3	1.24	NO	1.1973	1.1973
2	Total Hexa-Dioxins	33.83	1.346e3	1.200e3	1.12	NO	0.73391	0.73391



Dataset: Untitled

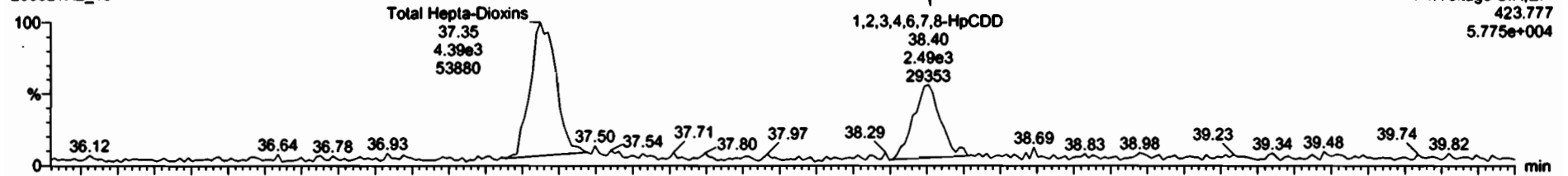
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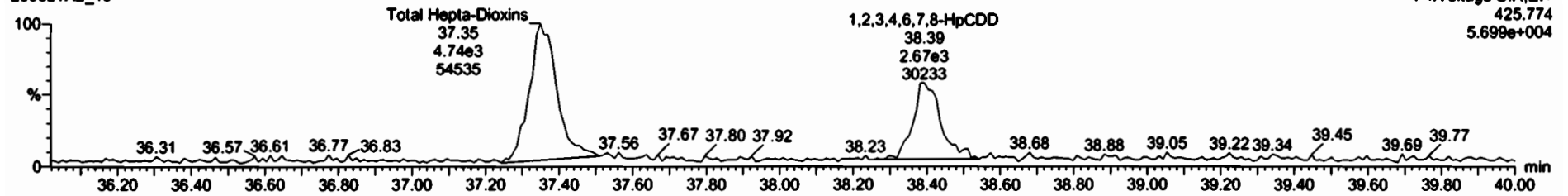
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1,2,3,4,6,7,8-HpCDD

200521R2_13



200521R2_13

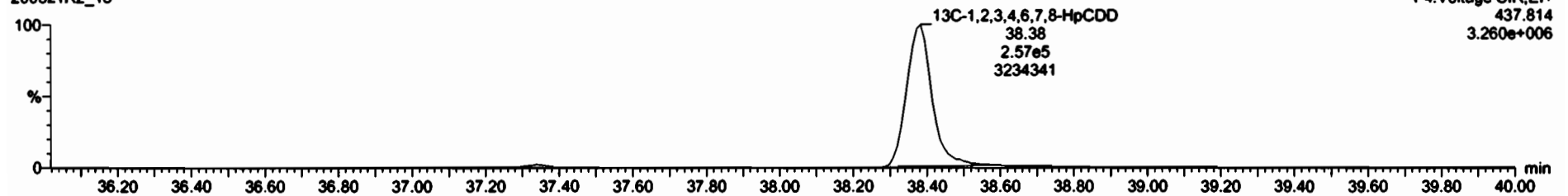


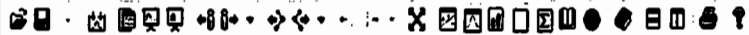
13C-1,2,3,4,6,7,8-HpCDD

200521R2_13



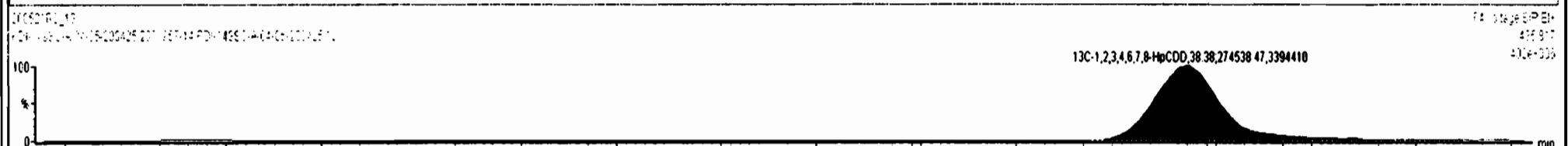
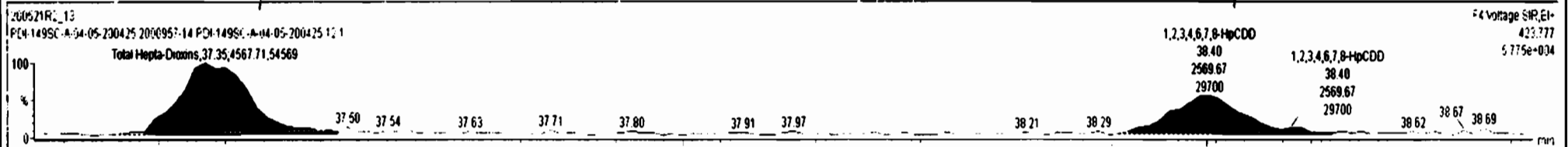
200521R2_13





#	Name	Resp	RA	rly	RfF	wtwt	RT	RRT	Conc.	%Rec	DL	EMPC
42	Total Hepta-Dioxins				0.8879	10.009			6.05	0.304	6.05	
43	Total Tetra-Furans				0.7871	10.009			0.000	0.0179	0.0761	

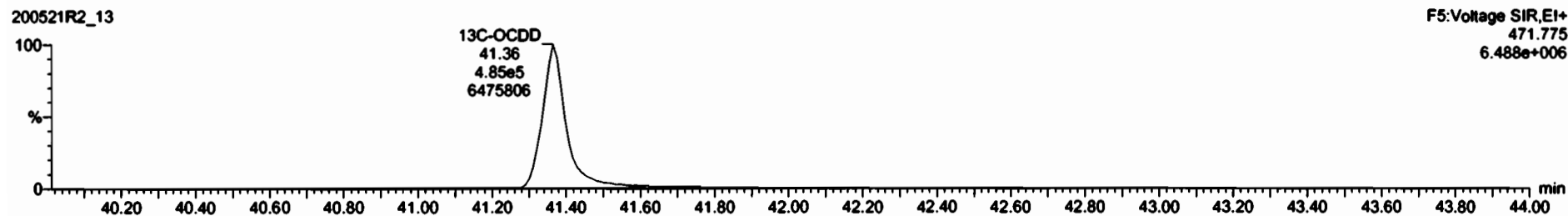
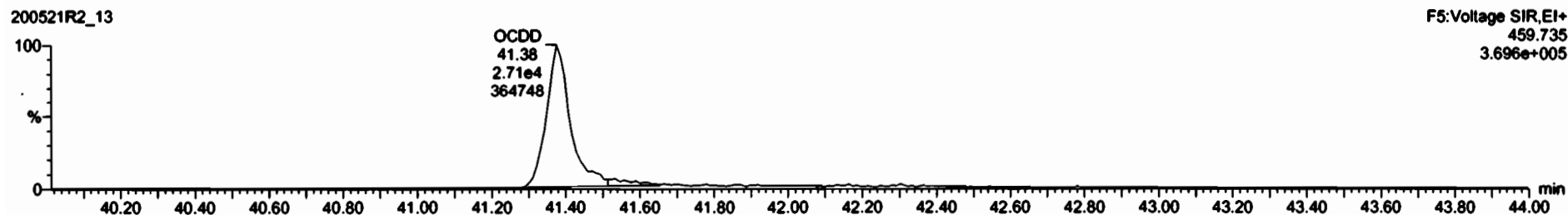
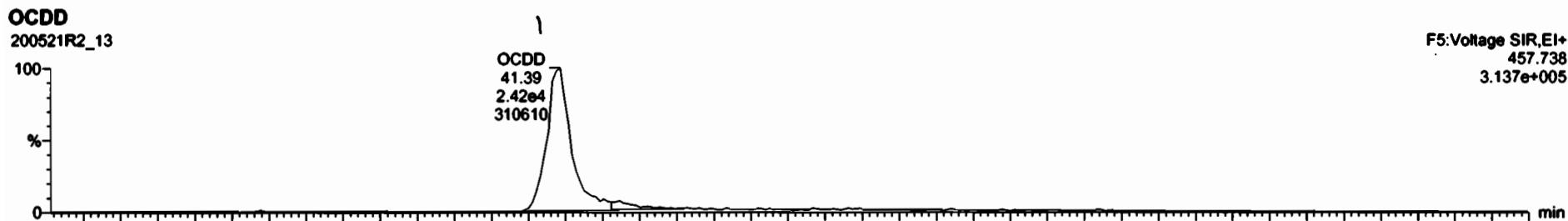
#	Name	RT	m1 Resp	m2 Resp	RA	rly	EMPC	Conc.
1	Total Hepta-Dioxins	37.35	4.568e3	4.915e3	0.93	NO	3.9152	3.9152
2	1,2,3,4,6,7,8-HpCDD	38.40	2.570e3	2.600e3	0.99	NO	2.1343	2.1343

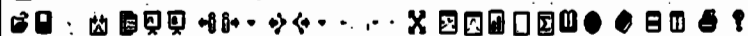


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Name: 200521R2_13, Date: 21-May-2020, Time: 22:19:53, ID: 2000957-14 PDI-149SC-A-04-05-200425 12.1, Description: PDI-149SC-A-04-05-200425





#	Name	Resp	RA	n1	R/F	wVal	RT	PRT	Conc.	%Rec	DL	EMPC
7	OCDD	5.18e4	0.87	NO	0.8335	10.000	41.39	1.001	25.2		0.400	25.2
8	2,3,7-TCDF			NO	0.7871	10.000					0.0423	

#	Name	RT	m1 Resp	m2 Resp	RA	n1	EMPC	Conc.
1								



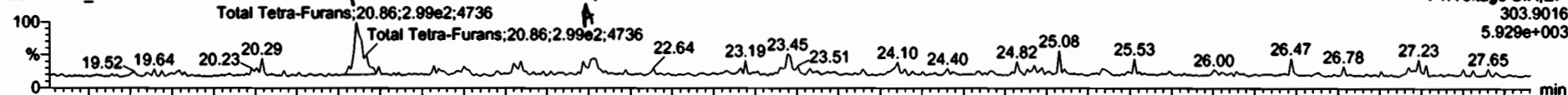
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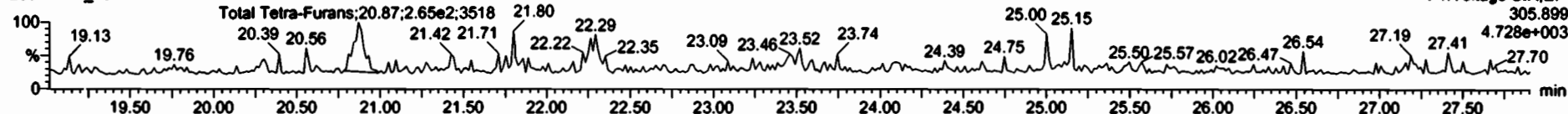
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2,3,7,8-TCDF

200521R2_13

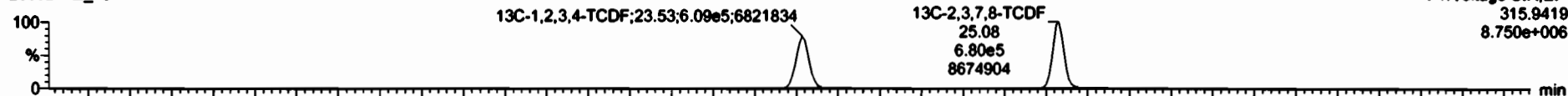


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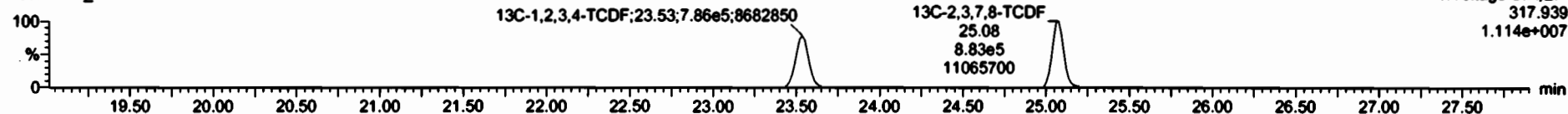


13C-2,3,7,8-TCDF

200521R2_13

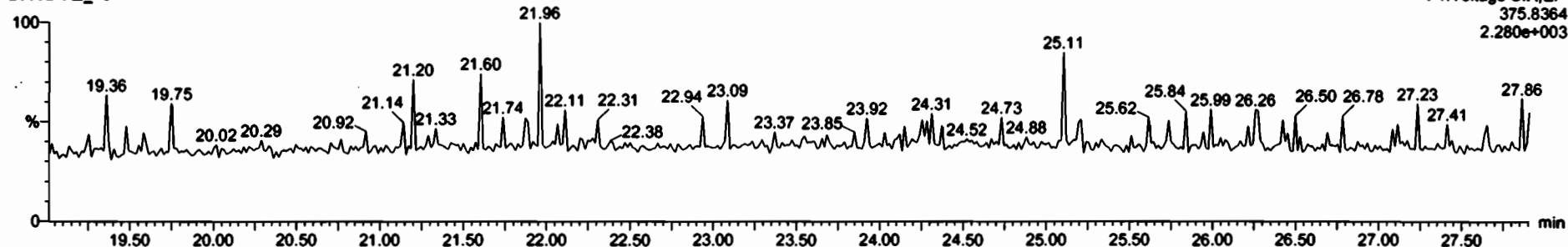


200521R2_13



DPE1

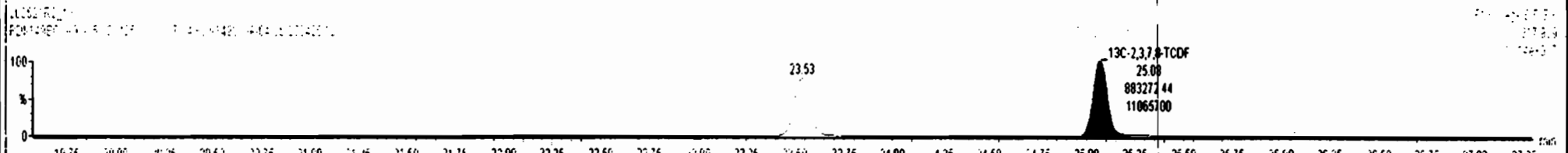
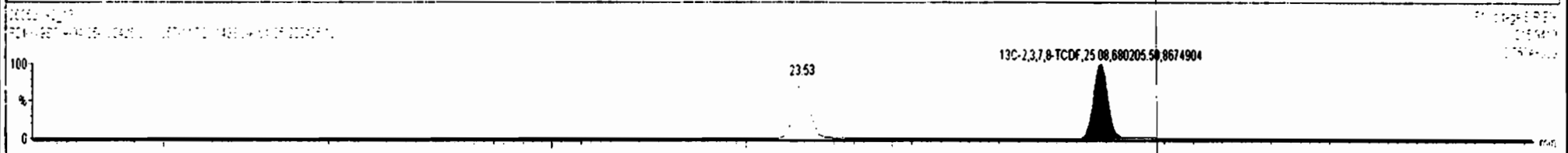
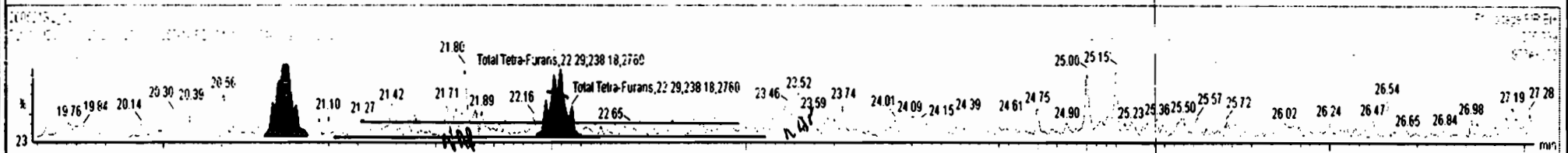
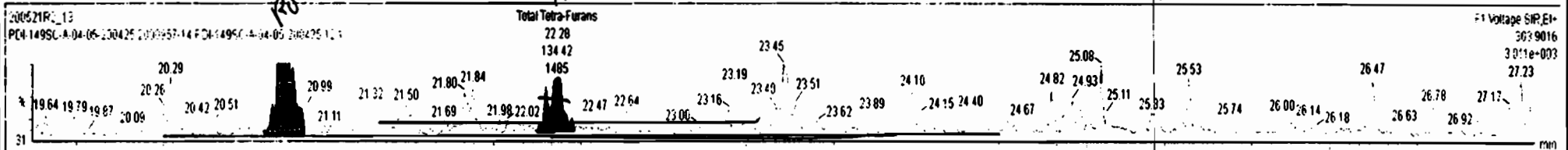
200521R2_13





Name	Resp	RA	rvy	RFF	wtAvl	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.7871	10.009			0.000	0.0170	0.133	
44 1st Func. Penta-Furans				0.9102	10.009			0.285	0.0262	0.285	

Name	RT	m1 Resp	m2 Resp	RA	rvy	EMPC	Conc.
1 Total Tetra-Furans	20.86	3.252e2	2.885e2	1.13	YES	0.082926	0.00000
2 Total Tetra-Furans	22.28	1.344e2	2.382e2	0.56	YES	0.050171	0.00000



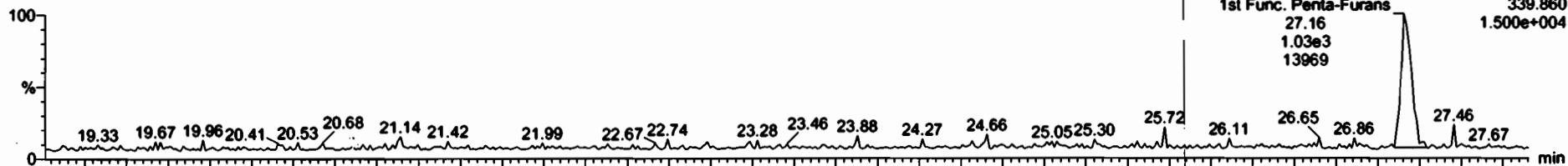
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1st Func. Penta-Furans

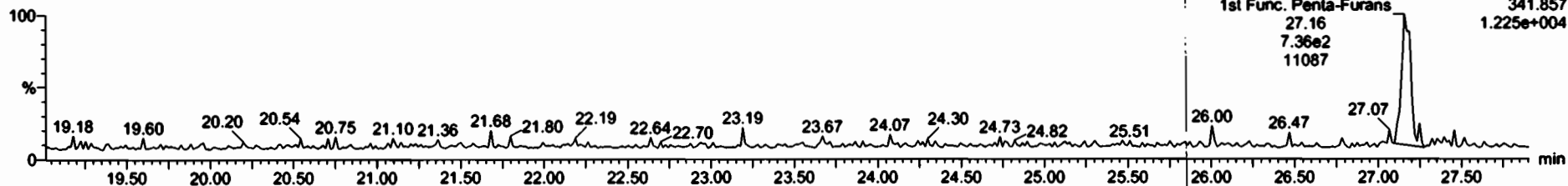
200521R2_13



1st Func. Penta-Furans
27.16
1.03e3
13969

F1: Voltage SIR, EI+
339.860
1.500e+004

200521R2_13

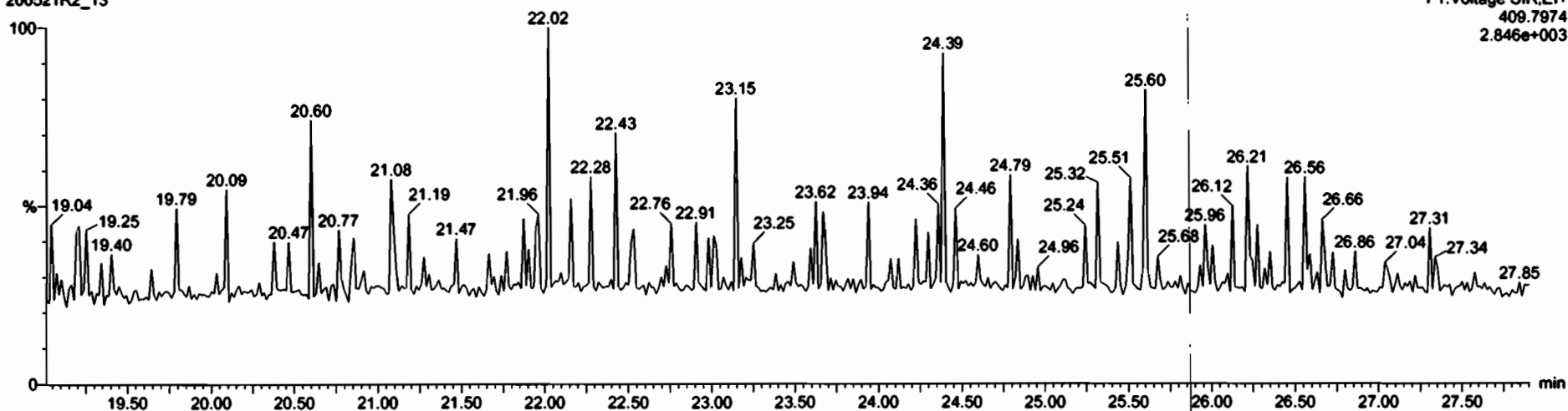


1st Func. Penta-Furans
27.16
7.36e2
11087

F1: Voltage SIR, EI+
341.857
1.225e+004

DPE6

200521R2_13



F1: Voltage SIR, EI+
409.7974
2.846e+003

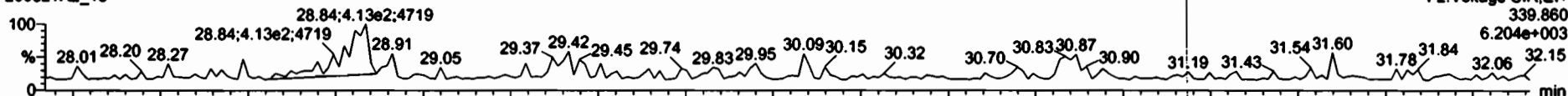
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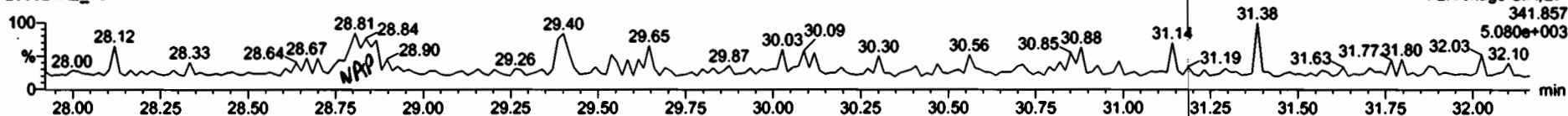
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1,2,3,7,8-PeCDF

200521R2_13

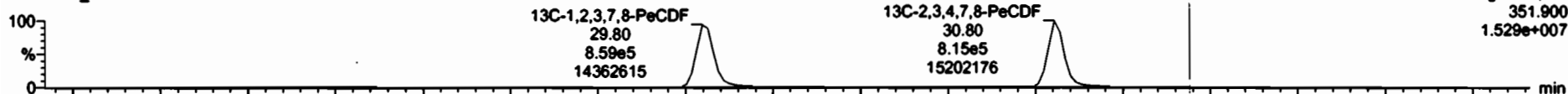


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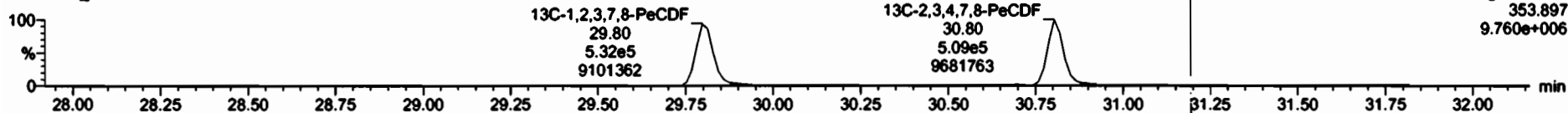


13C-1,2,3,7,8-PeCDF

200521R2_13

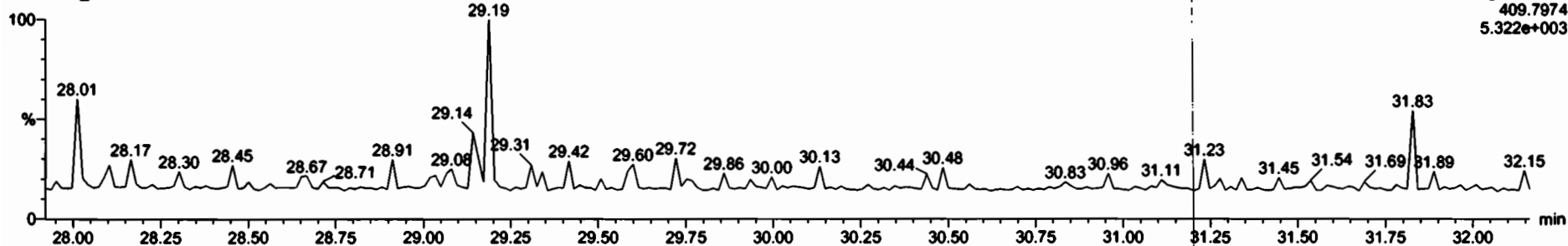


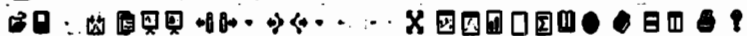
200521R2_13



DPE2

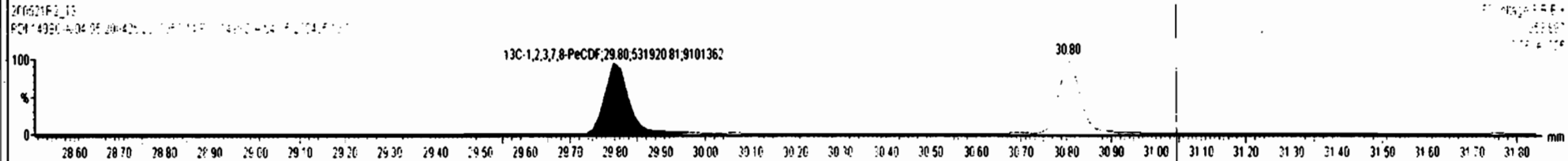
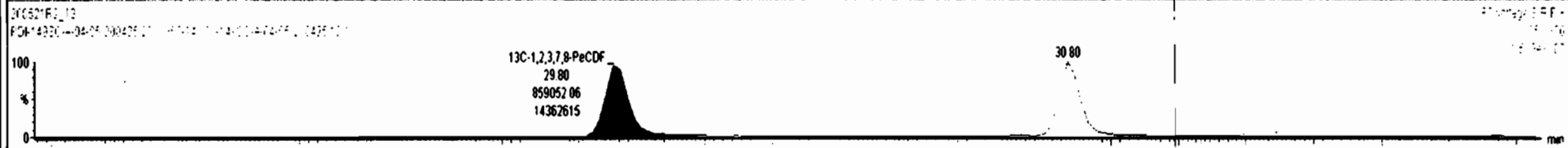
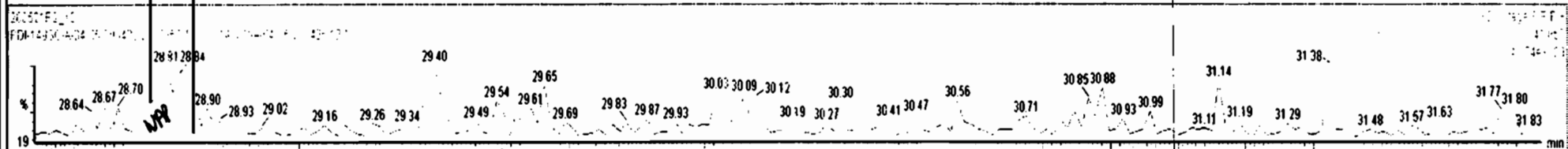
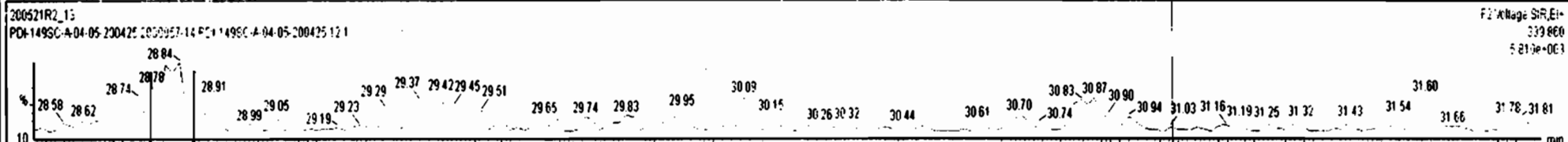
200521R2_13





Name	Resp	RA	rvly	RF	wVnd	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.9102	10.000					0.0325	
46 Total Hexa-Furans				0.9217	10.000			0.127		0.0722	0.248

Name	RT	m1 Resp	m2 Resp	RA	rvly	EMPC	Conc.
1							



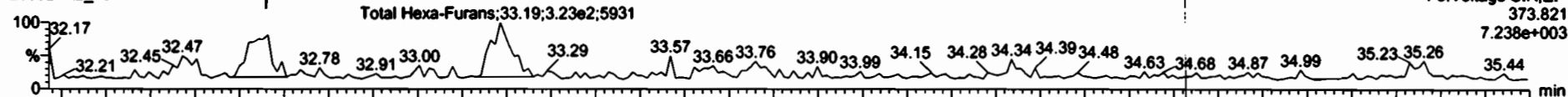
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Printed: Friday, May 22, 2020 7:58:30 AM Pacific Daylight Time

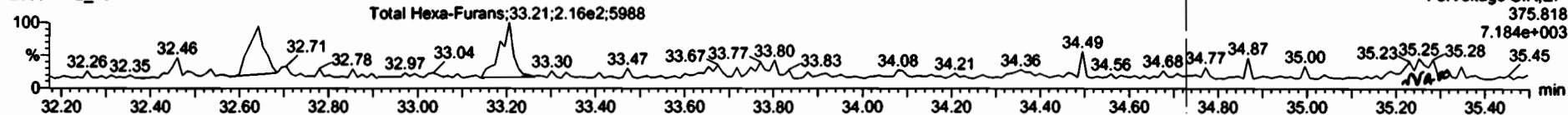
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1,2,3,4,7,8-HxCDF

200521R2_13

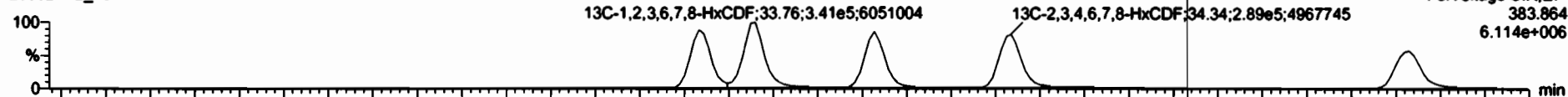


200521R2_13

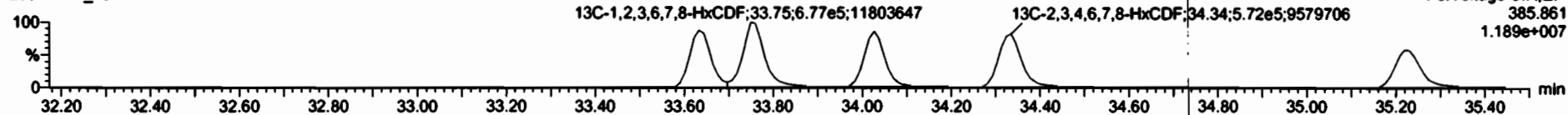


13C-1,2,3,4,7,8-HxCDF

200521R2_13

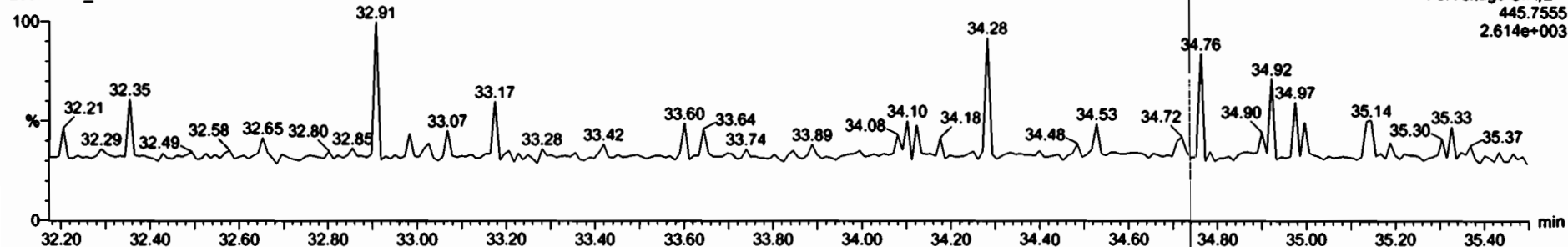


200521R2_13



DPE3

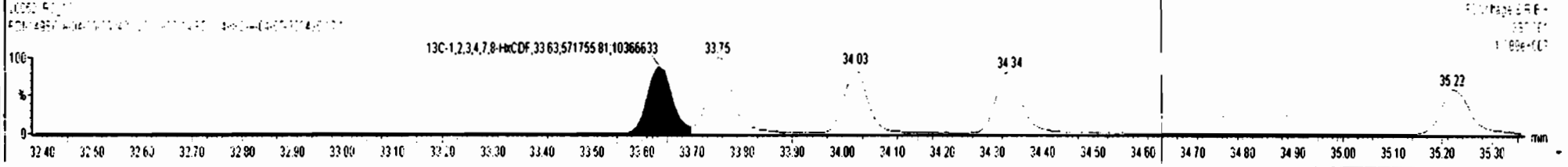
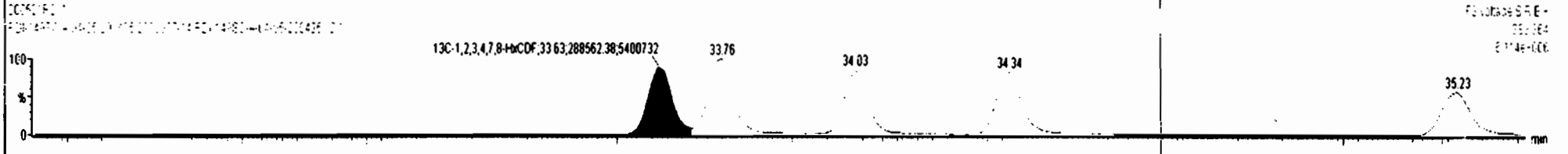
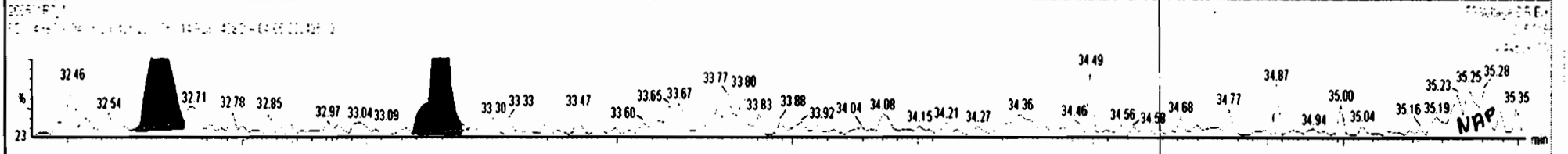
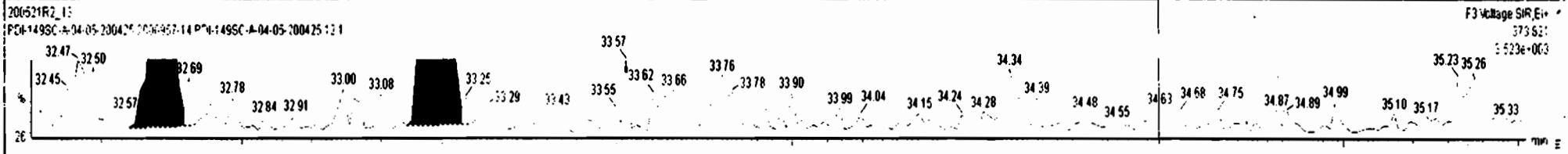
200521R2_13





#	Name	Resp	RA	nly	RWF	wtVal	RT	RRT	Conc.	%Rec	DL	EMPC
46	Total Hexa-Furans				0.8217	10.009			0.258		0.0722	0.258
47	Total Hepta-Furans				0.8712	10.009					0.0650	

#	Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1	Total Hexa-Furans	32.66	2.716e2	2.312e2	1.17	NO	0.12567	0.12567
2	Total Hexa-Furans	33.19	3.116e2	2.185e2	1.43	NO	0.13250	0.13250



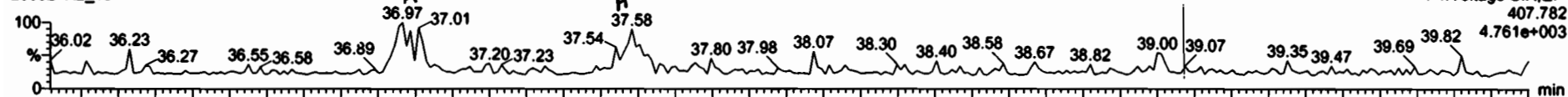
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Last Altered: Friday, May 22, 2020 7:58:05 AM Pacific Daylight Time
Printed: Friday, May 22, 2020 7:58:30 AM Pacific Daylight Time

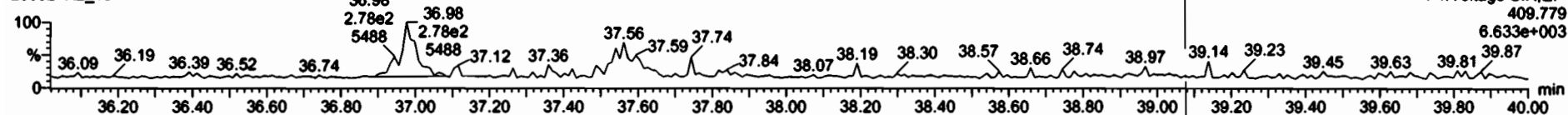
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1,2,3,4,6,7,8-HpCDF

200521R2_13



200521R2_13

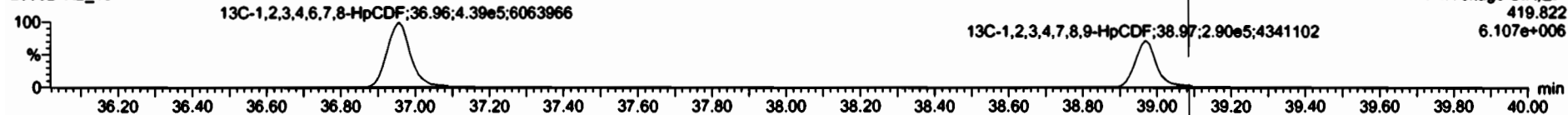


13C-1,2,3,4,6,7,8-HpCDF

200521R2_13

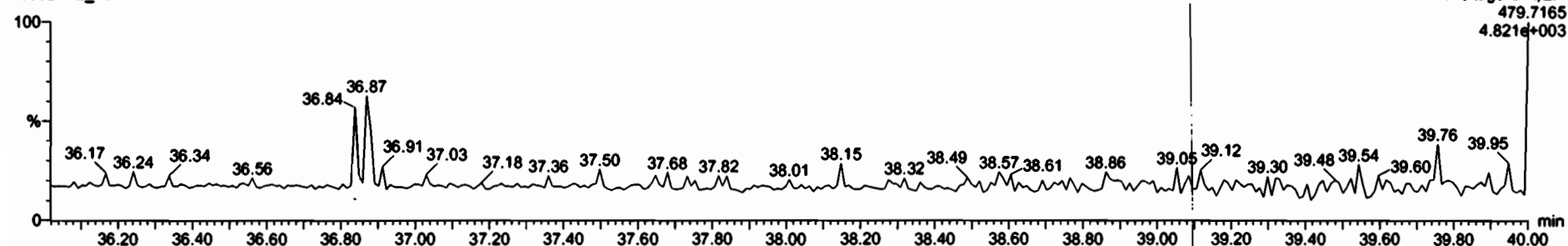


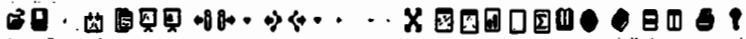
200521R2_13



DPE4

200521R2_13



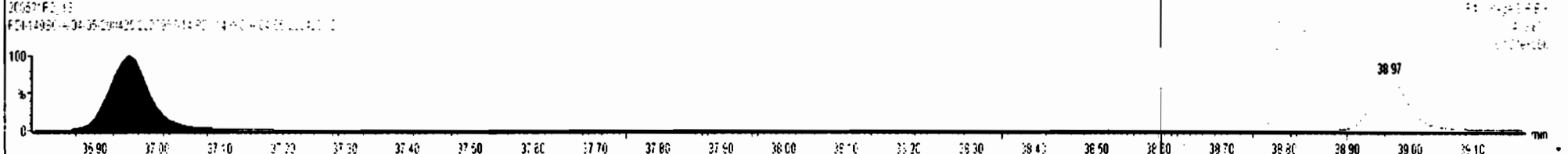
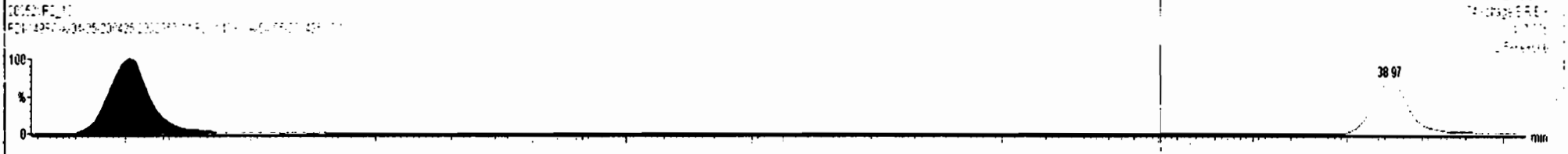
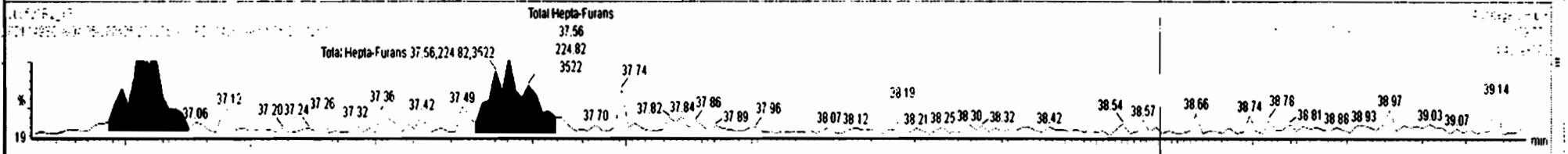
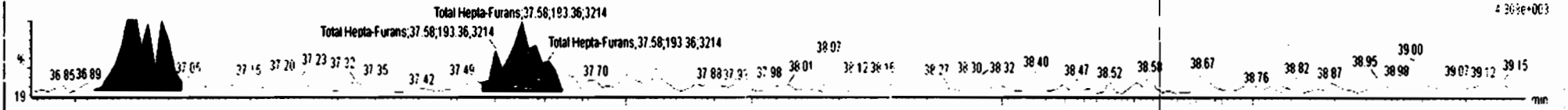


#	Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
46	Total Hexa-Furans				0.9217	10.009			0.258	0.0722		0.258
47	Total Hepta-Furans				0.8712	10.009			0.185	0.0890		0.353

#	Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1	1,2,3,4,6,7,8-HpCDF	36.97	2.475e2	2.569e2	0.96	NO	0.18519	0.18519
2	Total Hepta-Furans	37.58	1.934e2	2.249e2	0.86	YES	0.16766	0.00000

20052102_13
 F01-14950-A-04-05-200425 2009957-14 F01-14950-A-04-05-200425 1:1

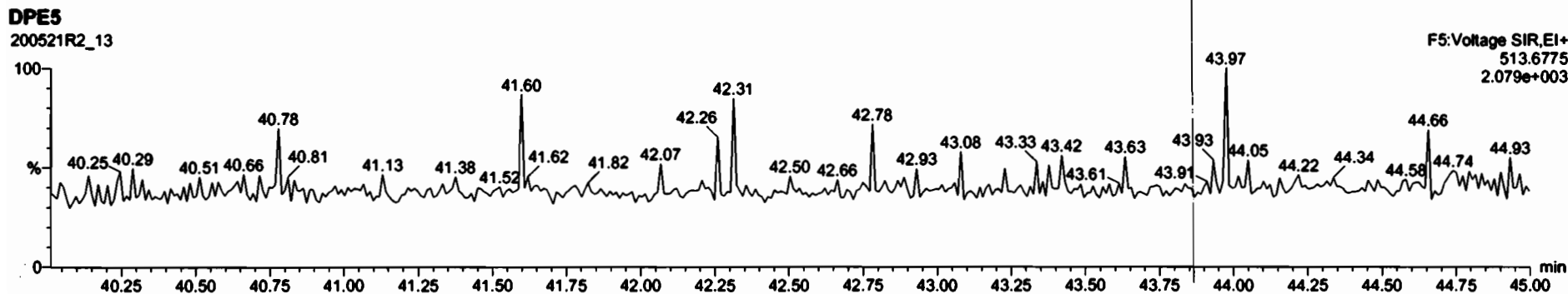
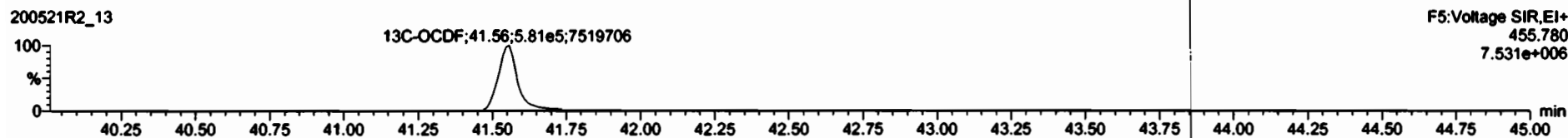
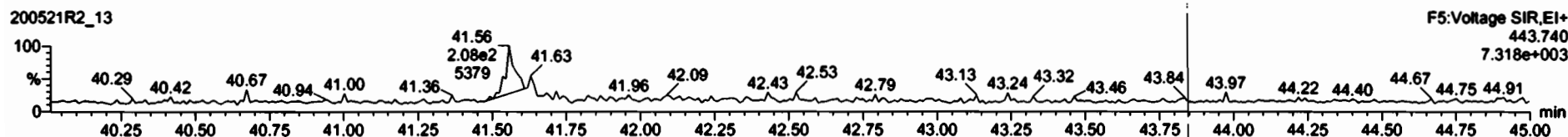
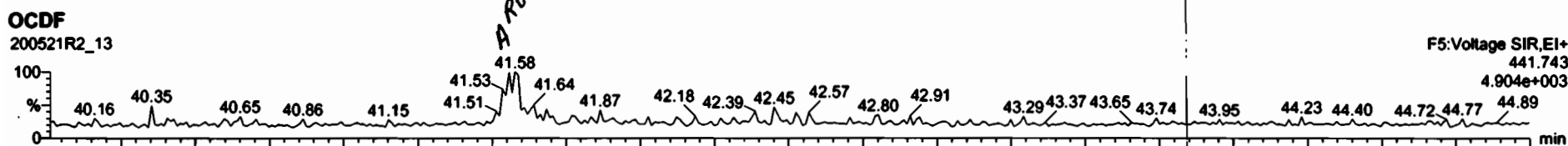
F4 Voltage 519.61
 497.62
 4.363e+003

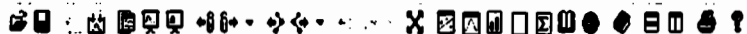


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Last Altered: Friday, May 22, 2020 7:58:05 AM Pacific Daylight Time
Printed: Friday, May 22, 2020 7:58:30 AM Pacific Daylight Time

Name: 200521R2_13, Date: 21-May-2020, Time: 22:19:53, ID: 2000957-14 PDI-149SC-A-04-05-200425 12.1, Description: PDI-149SC-A-04-05-200425





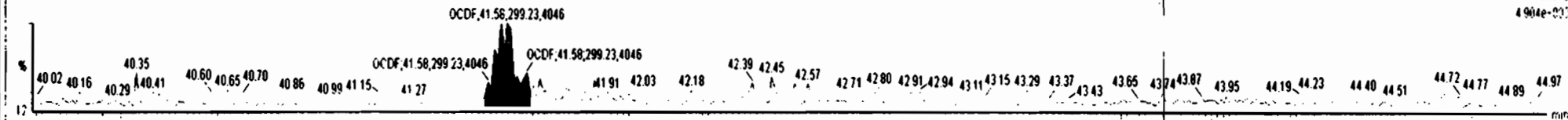
Name	Resp	RA	nly	RFF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
17	OCDF	6.96e2	0.75	YES	0.8021	10.089	41.58	1.001	0.331	0.138	0.302
18	13C-2,3,7,8-TCDD	1.28e6	0.79	NO	1.1595	10.089	26.00	1.027	111	0.336	

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1							

20052102_13

PC01495C-A-04-05-200425 2000957-14 PC01495C-A-04-05-200425 11 1

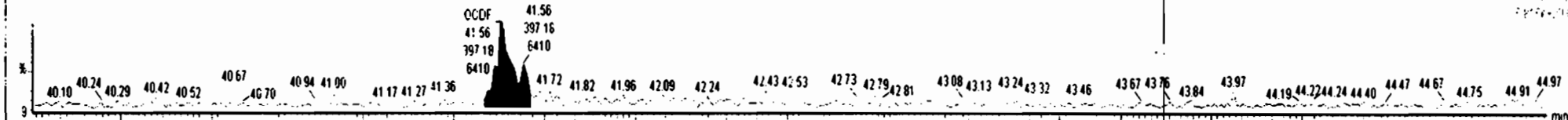
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4.904e-010



20052102_13

PC01495C-A-04-05-200425 2000957-14 PC01495C-A-04-05-200425 11 1

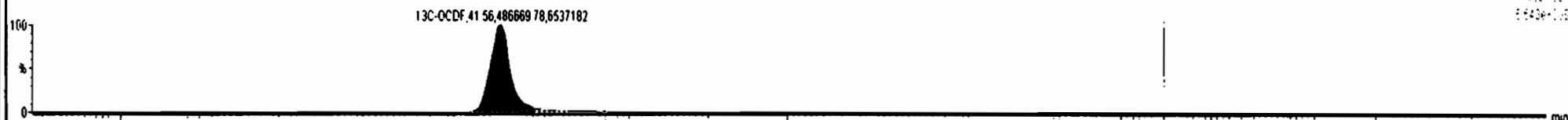
ES Voltage SIP:EI-
441.743
4.904e-010



20052102_13

PC01495C-A-04-05-200425 2000957-14 PC01495C-A-04-05-200425 11 1

ES Voltage SIP:EI-
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20052102_13

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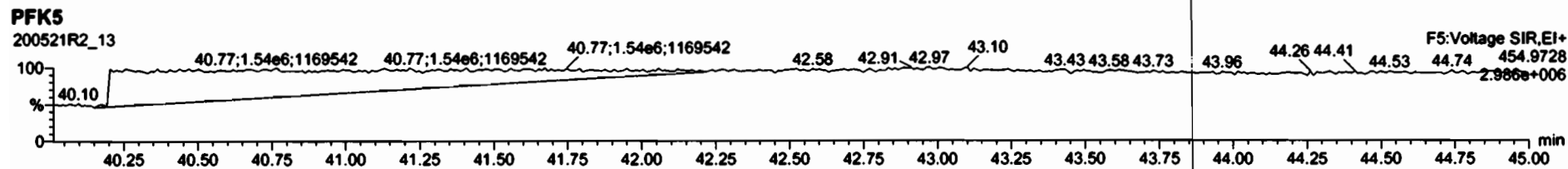
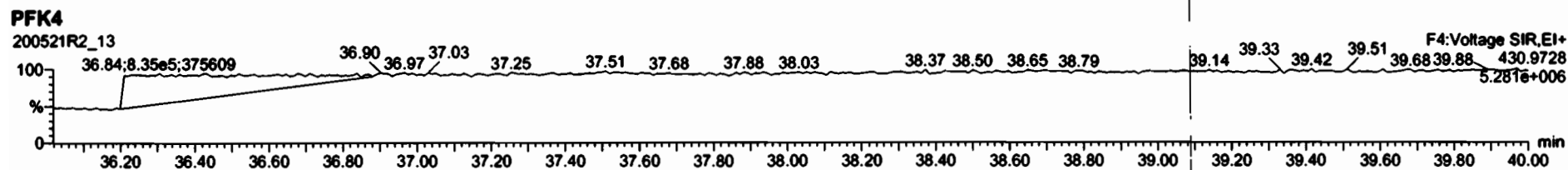
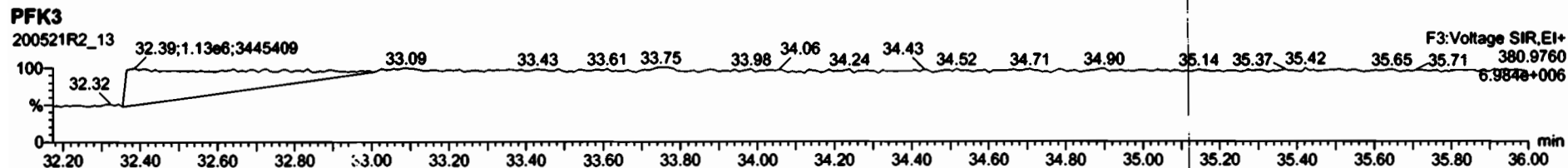
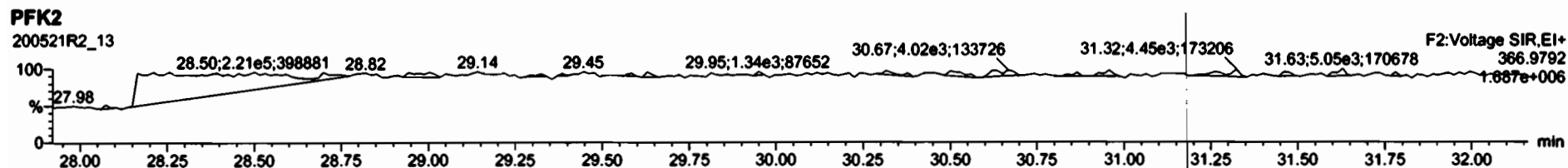
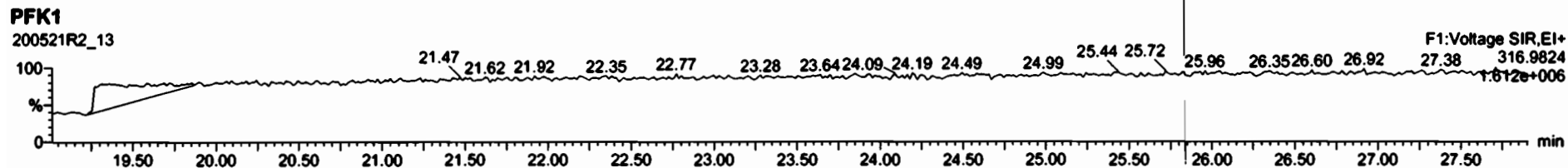
ES Voltage SIP:EI-
441.743
4.904e-010



Dataset: Untitled

Last Altered: Friday, May 22, 2020 7:58:05 AM Pacific Daylight Time
Printed: Friday, May 22, 2020 7:58:30 AM Pacific Daylight Time

Name: 200521R2_13, Date: 21-May-2020, Time: 22:19:53, ID: 2000957-14 PDI-149SC-A-04-05-200425 12.1, Description: PDI-149SC-A-04-05-200425



Dataset: U:\VG12.PRO\Results\200529R2\200529R2-5.qld

Last Altered: Monday, June 01, 2020 12:12:18 Pacific Daylight Time
Printed: Monday, June 01, 2020 12:18:11 Pacific Daylight Time

GRB 06/01/2020

C1 06/02/2020

Method: Untitled 26 May 2020 10:34:17

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200529R2_5, Date: 29-May-2020, Time: 17:30:18, ID: 2000957-15 PDI-149SC-A-05-06-200425 11.21, Description: PDI-149SC-A-05-06-200425

#	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	0.888	10.039	26.590		1.001				0.0471	
2	1,2,3,7,8-PeCDD			NO	0.908	10.039	31.518		1.001				0.0543	
3	1,2,3,4,7,8-HxCDD			NO	1.03	10.039	34.878		1.000				0.0963	
4	1,2,3,6,7,8-HxCDD			NO	0.892	10.039	34.974		1.000				0.0992	
5	1,2,3,7,8,9-HxCDD			NO	0.887	10.039	35.262		1.000				0.111	
6	1,2,3,4,6,7,8-HpCDD	1.75e3	0.98	NO	0.864	10.039	38.789	38.79	1.000	1.000	0.77244		0.111	0.772
7	OCDD	9.55e3	0.82	NO	0.914	10.039	41.759	41.77	1.000	1.000	4.9768		0.0817	4.98
8	2,3,7,8-TCDF			NO	0.751	10.039	25.686		1.001				0.0261	
9	1,2,3,7,8-PeCDF			NO	0.893	10.039	30.236		1.001				0.0279	
10	2,3,4,7,8-PeCDF			NO	0.935	10.039	31.222		1.001				0.0264	
11	1,2,3,4,7,8-HxCDF			NO	0.884	10.039	33.995		1.000				0.0565	
12	1,2,3,6,7,8-HxCDF			NO	0.889	10.039	34.122		1.000				0.0501	
13	2,3,4,6,7,8-HxCDF			NO	0.934	10.039	34.733		1.001				0.0553	
14	1,2,3,7,8,9-HxCDF			NO	0.871	10.039	35.613		1.000				0.0808	
15	1,2,3,4,6,7,8-HpCDF			NO	0.873	10.039	37.429		1.001				0.0509	
16	1,2,3,4,7,8,9-HpCDF			NO	1.01	10.039	39.320		1.000				0.0548	
17	OCDF	3.39e2	1.06	YES	0.806	10.039	41.951	41.98	1.000	1.001	0.18019		0.0622	0.147
18	13C-2,3,7,8-TCDD	1.08e6	0.79	NO	1.16	10.039	26.584	26.56	1.026	1.025	183.65	92.2	0.156	
19	13C-1,2,3,7,8-PeCDD	8.47e5	0.64	NO	0.849	10.039	31.784	31.50	1.227	1.216	195.37	98.1	0.262	
20	13C-1,2,3,4,7,8-HxCDD	6.51e5	1.29	NO	0.779	10.039	34.874	34.87	1.014	1.014	180.58	90.6	0.358	
21	13C-1,2,3,6,7,8-HxCDD	8.01e5	1.31	NO	1.02	10.039	34.987	34.97	1.017	1.017	170.25	85.5	0.275	
22	13C-1,2,3,7,8,9-HxCDD	7.07e5	1.25	NO	0.903	10.039	35.259	35.25	1.025	1.025	169.05	84.9	0.309	
23	13C-1,2,3,4,6,7,8-HpCDD	5.22e5	1.01	NO	0.689	10.039	38.787	38.78	1.128	1.128	163.48	82.1	0.248	
24	13C-OCDD	8.37e5	0.90	NO	0.652	10.039	41.814	41.76	1.216	1.214	277.26	69.6	0.369	
25	13C-2,3,7,8-TCDF	1.42e6	0.78	NO	1.06	10.039	25.623	25.66	0.989	0.991	181.91	91.3	0.236	
26	13C-1,2,3,7,8-PeCDF	1.24e6	1.60	NO	0.838	10.039	30.163	30.22	1.165	1.167	200.14	100	0.429	
27	13C-2,3,4,7,8-PeCDF	1.23e6	1.60	NO	0.817	10.039	31.119	31.19	1.202	1.204	203.74	102	0.440	
28	13C-1,2,3,4,7,8-HxCDF	8.14e5	0.51	NO	1.01	10.039	34.004	33.99	0.989	0.989	174.53	87.6	0.339	
29	13C-1,2,3,6,7,8-HxCDF	9.57e5	0.51	NO	1.17	10.039	34.128	34.11	0.992	0.992	177.09	88.9	0.293	
30	13C-2,3,4,6,7,8-HxCDF	8.36e5	0.51	NO	1.02	10.039	34.702	34.70	1.009	1.009	176.67	88.7	0.334	
31	13C-1,2,3,7,8,9-HxCDF	6.91e5	0.50	NO	0.860	10.039	35.603	35.61	1.035	1.036	173.67	87.2	0.397	

Dataset: U:\VG12.PRO\Results\200529R2\200529R2-5.qld

Last Altered: Monday, June 01, 2020 12:12:18 Pacific Daylight Time

Printed: Monday, June 01, 2020 12:18:11 Pacific Daylight Time

Name: 200529R2_5, Date: 29-May-2020, Time: 17:30:18, ID: 2000957-15 PDI-149SC-A-05-06-200425 11.21, Description: PDI-149SC-A-05-06-200425

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RFD	Conc	Unit	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	6.07e5	0.44	NO	0.774	10.039	37.353	37.39	1.086	1.087	169.39	85.0	0.425	
33	13C-1,2,3,4,7,8,9-HpCDF	4.10e5	0.44	NO	0.521	10.039	39.386	39.32	1.145	1.143	169.79	85.2	0.632	
34	13C-OCDF	1.05e6	0.88	NO	0.746	10.039	41.986	41.95	1.221	1.220	303.11	76.1	0.328	
35	37Cl-2,3,7,8-TCDD	4.70e5			1.04	10.039	26.615	26.57	1.028	1.026	88.727	111	0.0460	
36	13C-1,2,3,4-TCDD	1.02e6	0.81	NO	1.00	10.039	26.000	25.90	1.000	1.000	199.23	100	0.181	
37	13C-1,2,3,4-TCDF	1.47e6	0.79	NO	1.00	10.039	24.360	24.24	1.000	1.000	199.23	100	0.249	
38	13C-1,2,3,4,6,9-HxCDF	9.22e5	0.51	NO	1.00	10.039	34.420	34.39	1.000	1.000	199.23	100	0.341	
39	Total Tetra-Dioxins				0.888	10.039	24.620		0.000		0.13585		0.0471	0.136
40	Total Penta-Dioxins				0.908	10.039	29.960		0.000		0.075153		0.0323	0.0752
41	Total Hexa-Dioxins				0.892	10.039	33.635		0.000		0.72743		0.107	0.727
42	Total Hepta-Dioxins				0.864	10.039	37.640		0.000		1.7565		0.111	1.76
43	Total Tetra-Furans				0.751	10.039	23.610		0.000				0.0109	
44	1st Func. Penta-Furans				0.893	10.039	27.620		0.000		0.042847		0.00964	0.0428
45	Total Penta-Furans				0.893	10.039	29.275		0.000				0.0165	
46	Total Hexa-Furans				0.934	10.039	33.555		0.000				0.0282	
47	Total Hepta-Furans				0.873	10.039	37.835		0.000				0.0343	

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200529R2\200529R2-5.qld

Last Altered: Monday, June 01, 2020 12:12:18 Pacific Daylight Time

Printed: Monday, June 01, 2020 12:18:11 Pacific Daylight Time

Method: Untitled 26 May 2020 10:34:17

Calibration: U:\VG12.PRO\CurveDB\ldb5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200529R2_5, Date: 29-May-2020, Time: 17:30:18, ID: 2000957-15 PDI-149SC-A-05-06-200425 11.21, Description: PDI-149SC-A-05-06-200425

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Tetra-Dioxins	24.42	3.512e3	5.208e3	2.688e2	3.877e2	0.69	NO	6.565e2	0.13585	0.13585	0.0471

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Penta-Dioxins	29.77	1.735e3	3.825e3	1.017e2	1.882e2	0.54	NO	2.900e2	0.075153	0.075153	0.0323

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Hexa-Dioxins	33.38	1.740e4	1.242e4	8.352e2	5.892e2	1.42	NO	1.424e3	0.44185	0.44185	0.107
2 Total Hexa-Dioxins	34.20	7.496e3	6.230e3	5.103e2	4.103e2	1.24	NO	9.206e2	0.28559	0.28559	0.107

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Hepta-Dioxins	37.79	1.630e4	1.547e4	1.156e3	1.071e3	1.08	NO	2.226e3	0.98409	0.98409	0.111
2 1,2,3,4,6,7,8-HpCDD	38.79	1.350e4	1.594e4	8.665e2	8.808e2	0.98	NO	1.747e3	0.77244	0.77244	0.111

Tetra-Furans

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

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	27.65	4.248e3	1.372e3	1.432e2	9.348e1	1.53	NO	2.367e2	0.042847	0.042847	0.00964

Dataset: U:\VG12.PRO\Results\200529R2\200529R2-5.qld

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Printed: Monday, June 01, 2020 12:18:11 Pacific Daylight Time

Name: 200529R2_5, Date: 29-May-2020, Time: 17:30:18, ID: 2000957-15 PDI-149SC-A-05-06-200425 11.21, Description: PDI-149SC-A-05-06-200425

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											

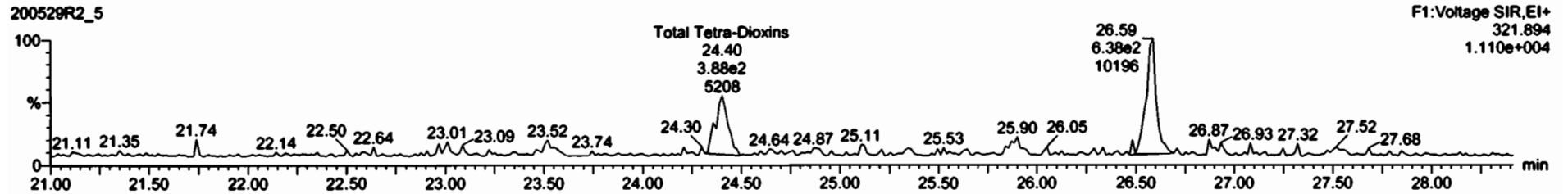
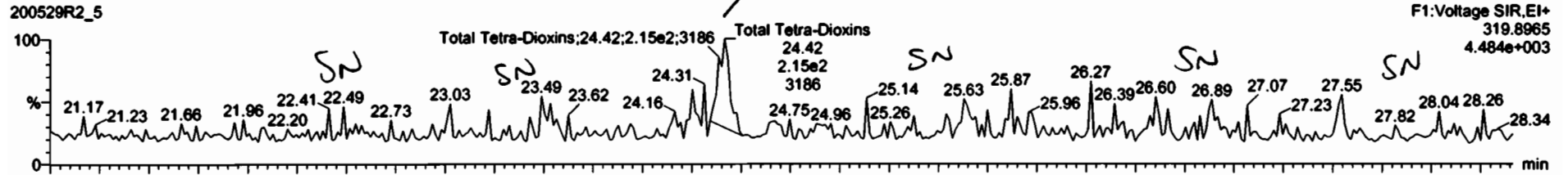
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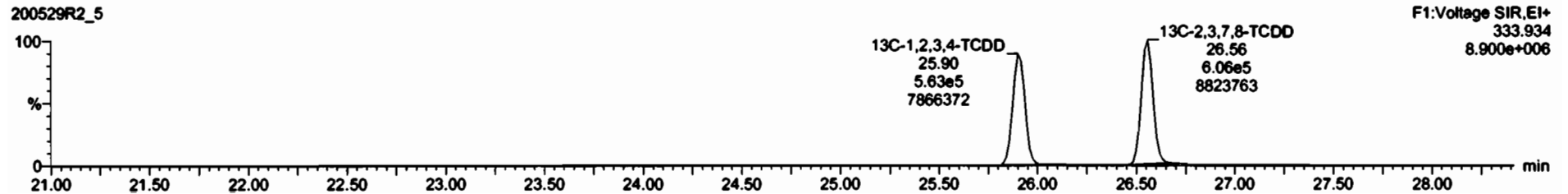
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2,3,7,8-TCDD

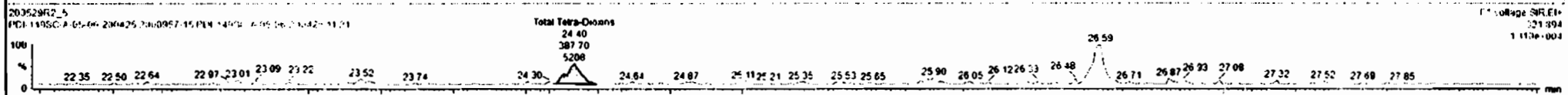
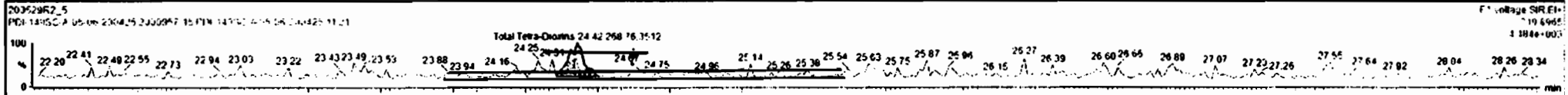


13C-2,3,7,8-TCDD



#	Name	Resp	S Resp	Prod RA	RA	aly	RRT	Prod RT	RT	RT Flag	Prod RRT	RRT	Conc	WAc	STD out
38	13C 1,2,3,4,6,9-HxCDF	9.22e5	9.22e5	0.51	0.51	NO	1.0000	34.42	34.39	NO	1.000	1.000	196	100	1.15
39	Total Hexa-Chlorine		1.88e5				0.8883	24.42			1.000		0.138		NO
40	Total Hepta-Chlorine		8.47e4				0.9861	29.54			1.000				NO
41	Total Octa-Chlorine		0.00e0				0.9923	23.83			1.000		0.723		NO

#	Name	RT	rel Resp	rel Resp	RA	aly	EMPC	Conc.
1	29 Total Tetra-Chlorine	24.42	2.88e2	1.877e2	0.65	NO	0.17562	0.17562



Dataset: Untitled

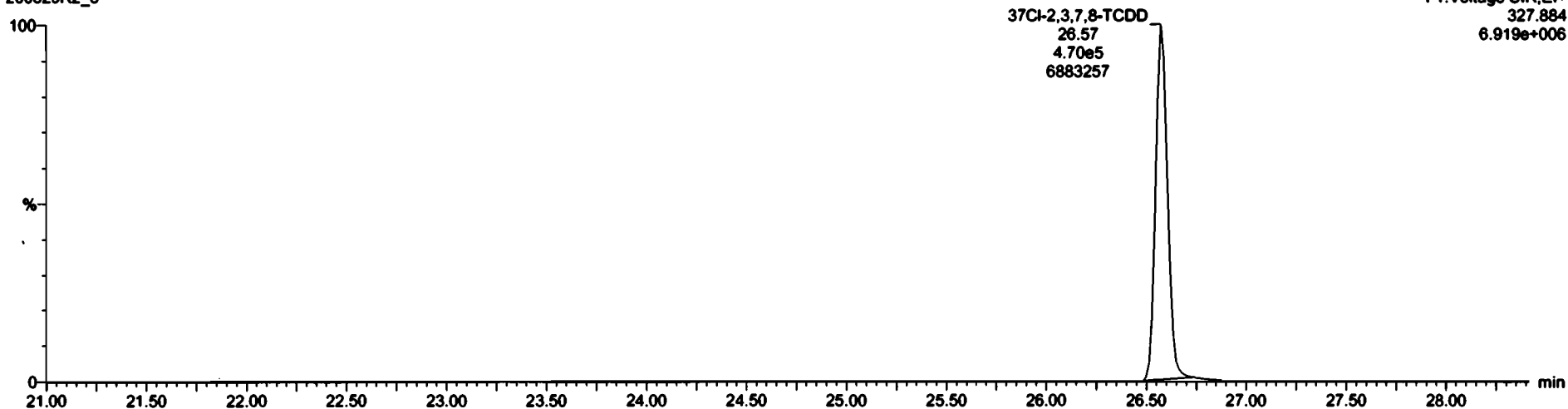
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37Cl-2,3,7,8-TCDD

200529R2_5

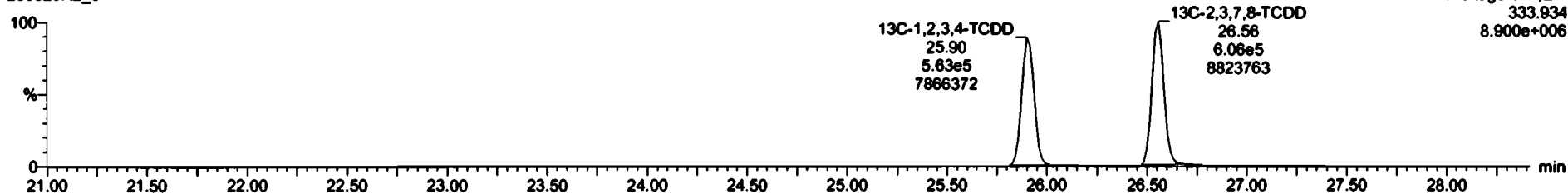


13C-1,2,3,4-TCDD

200529R2_5



200529R2_5



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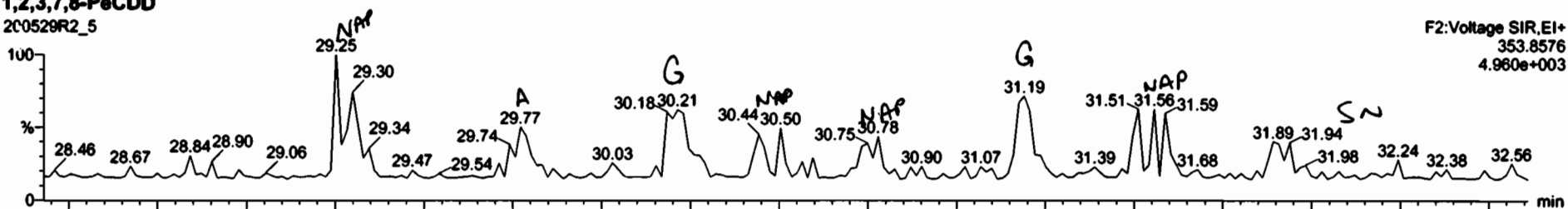
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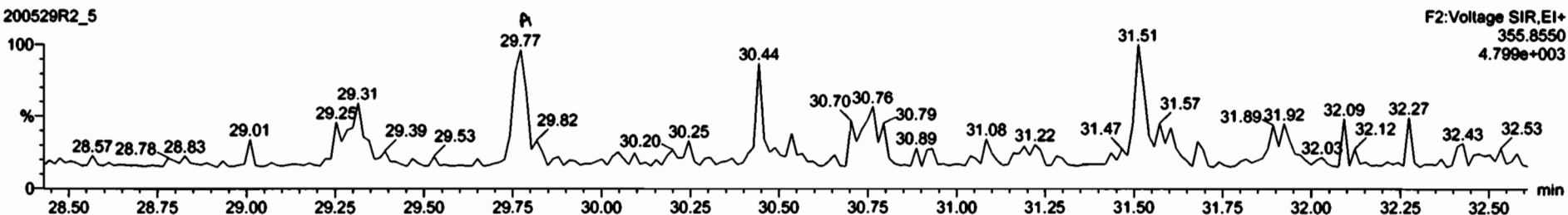
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1,2,3,7,8-PeCDD

200529R2_5



200529R2_5

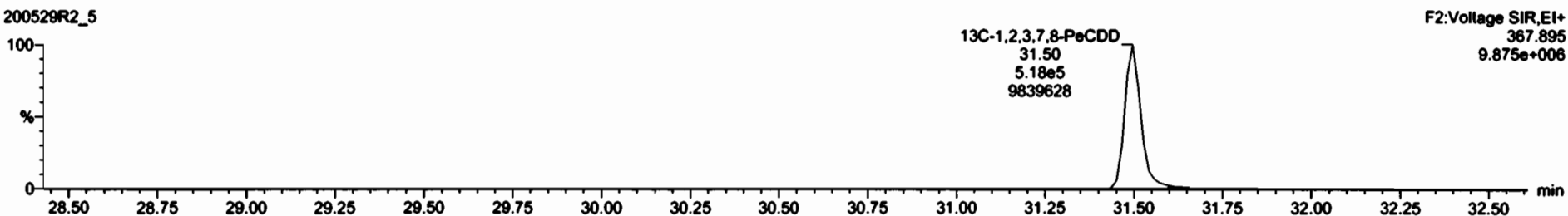


13C-1,2,3,7,8-PeCDD

200529R2_5

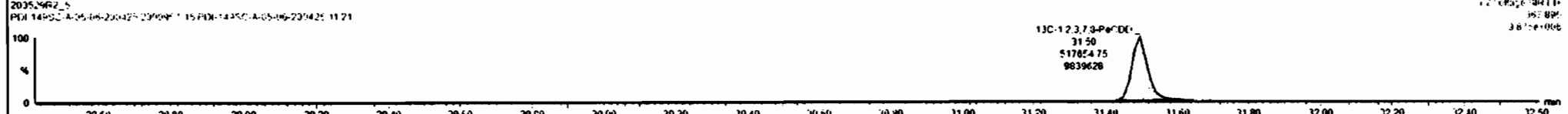
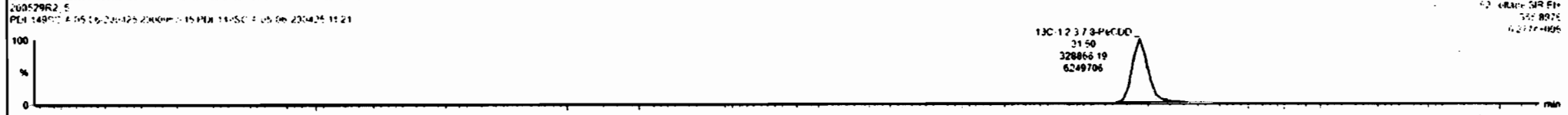
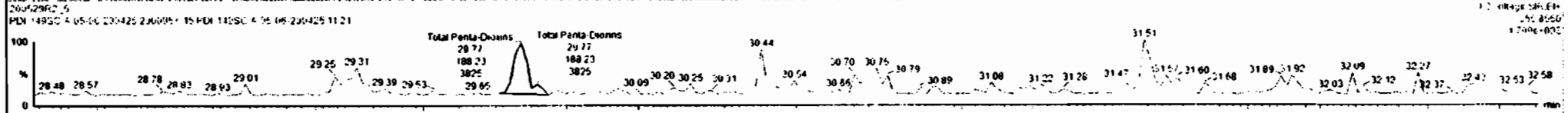
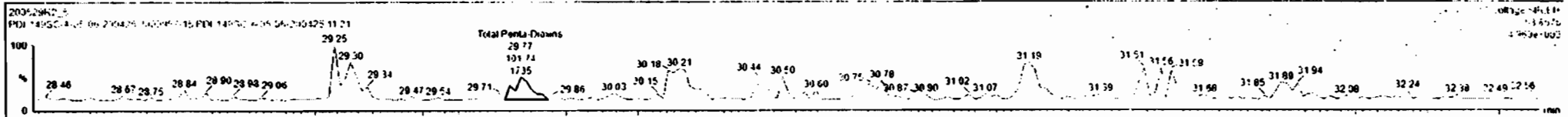


200529R2_5



SI	Name	Resp	RA	aly	RF	RF	RT	RRT	Conc	%Rec	DL	EMPC
00	Total Penta-Chloro				0.0000	00.000			0.0000		0.0000	0.0000
01	Total Hexa-Chloro				0.0023	10.030			0.753		0.107	0.753

SI	Name	RT	ret Resp	int Resp	RA	aly	EMPC	Conc.
1	Total Penta-Chloro	29.77	1.017e2	1.642e2	0.74	NO	0.07510	0.07510



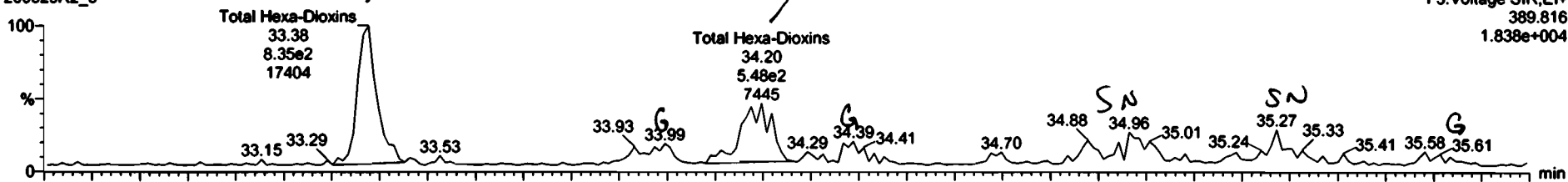
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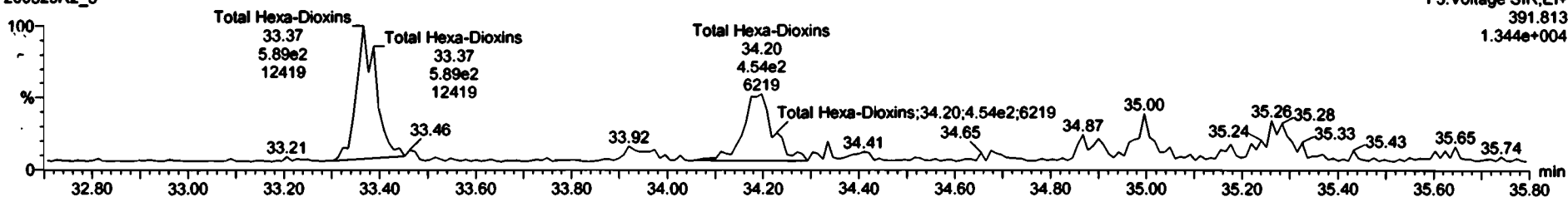
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1,2,3,4,7,8-HxCDD

200529R2_5



200529R2_5

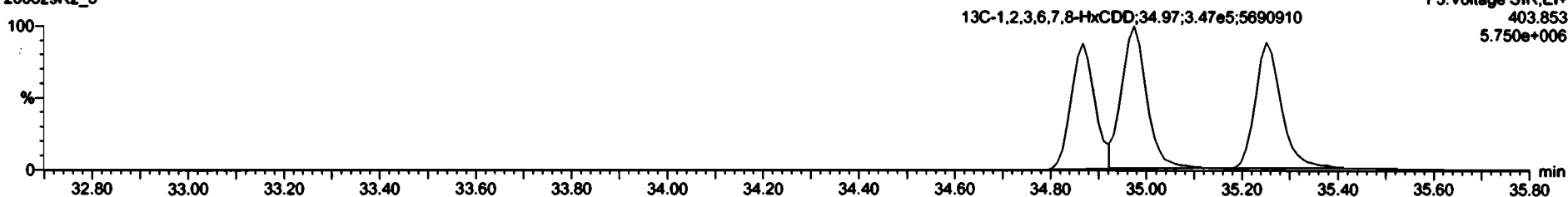


13C-1,2,3,4,7,8-HxCDD

200529R2_5

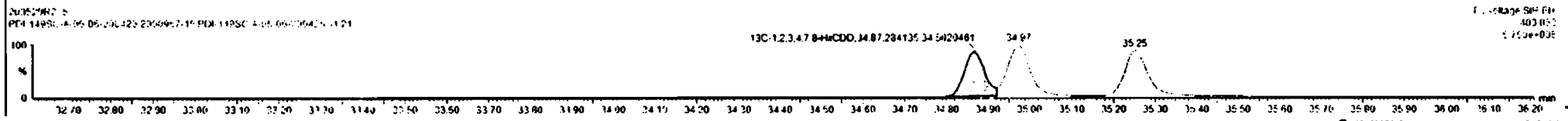
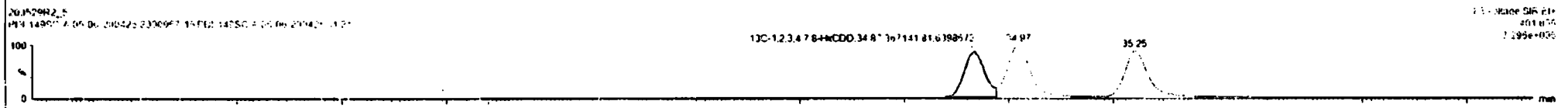
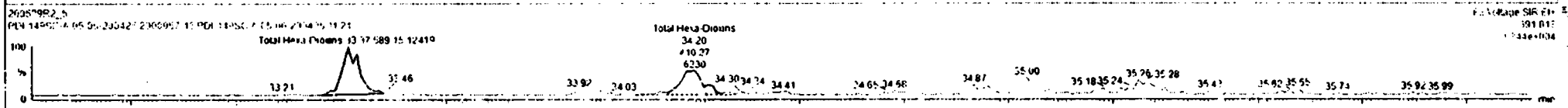
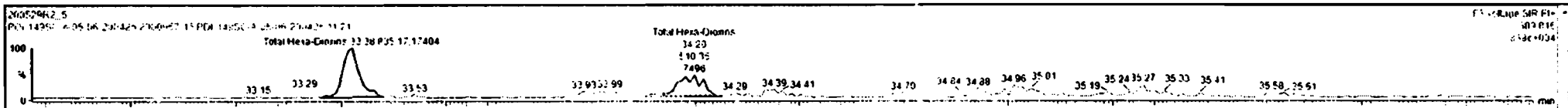


200529R2_5



Name	Resp	RA	dy	RPF	Wt%Cl	RT	RRT	Calc	%Rec	DL	EMPC
Total Penta-Chloro				0.9061	10.039			0.0752	5.6323	0.9751	
Total Hexa-Chloro				0.8828	10.856			0.7271	8.1671	0.7271	

Name	RT	m1 Resp	m2 Resp	RA	dy	EMPC	Calc
Total Hexa-Chloro	34.20	5.10e2	4.10e2	1.24	NO	0.78579	0.22559
Total Hexa-Chloro	32.36	6.35e2	7.89e2	1.42	NO	0.44176	0.44185



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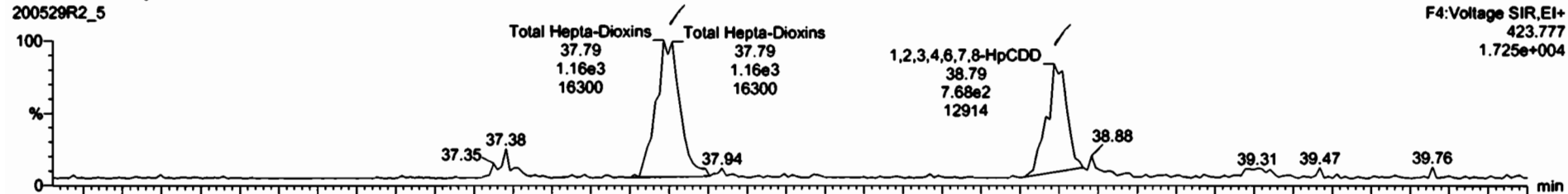
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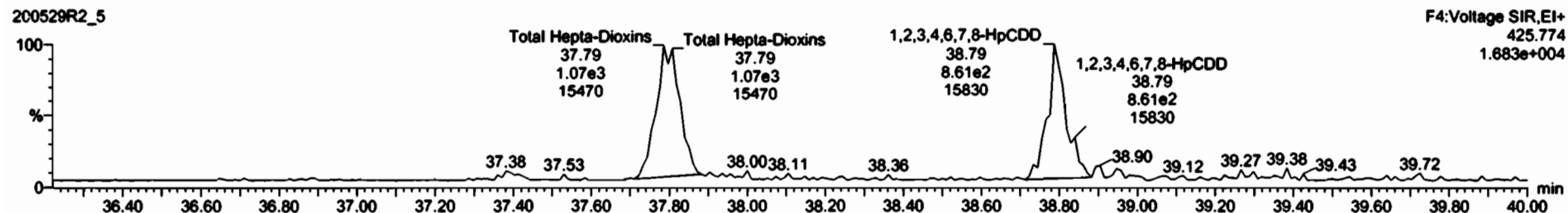
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1,2,3,4,6,7,8-HpCDD

200529R2_5

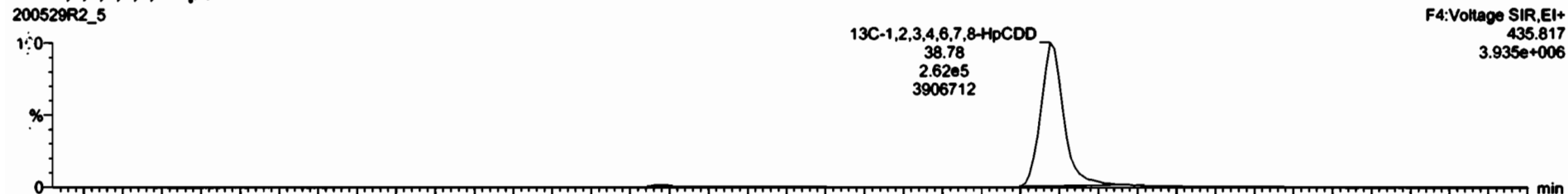


200529R2_5

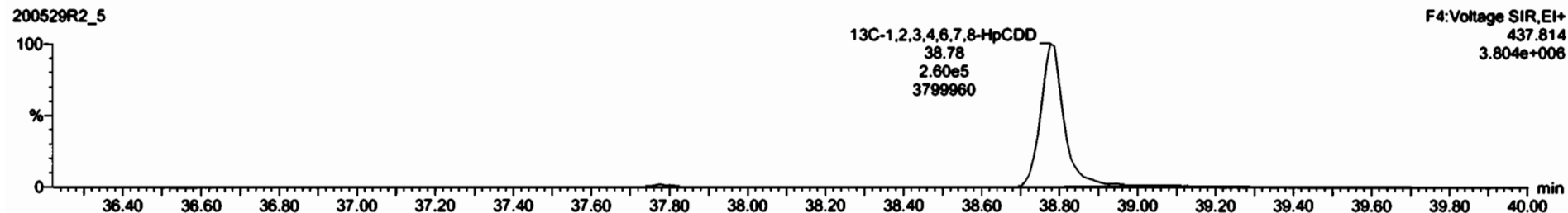


13C-1,2,3,4,6,7,8-HpCDD

200529R2_5

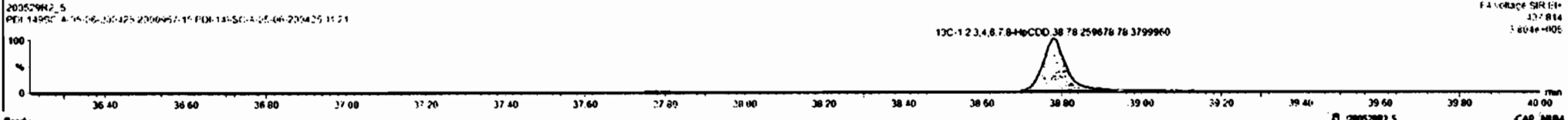
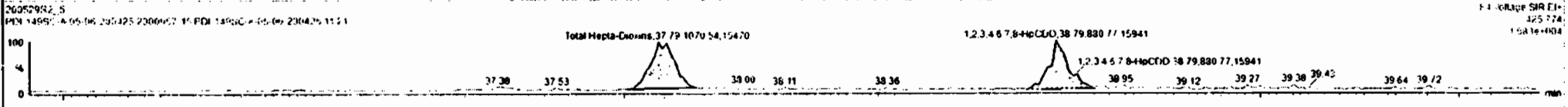
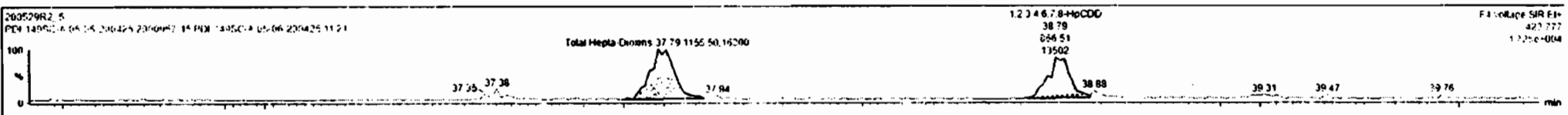


200529R2_5



Name	Resp	RA	ry	RSP	ndsp	RT	RRT	Conc	%Rec	DL	EMPC
Total Hepta-Chlorins				0.0000	0.0000	0.70				0.001	1.30
Total Tetra-Furans				0.7510	12.035					0.0109	

Name	RT	nd Resp	nd Resp	RA	ry	EMPC	Conc
1 1,2,3,4,6,7,8-HpCDD	38.79	6.90e+2	6.88e+2	0.50	NO	0.772e+4	0.772e+4
2 Total Hepta-Chlorins	37.79	1.15E+2	1.071e2	1.08	NO	0.95409	1.58409



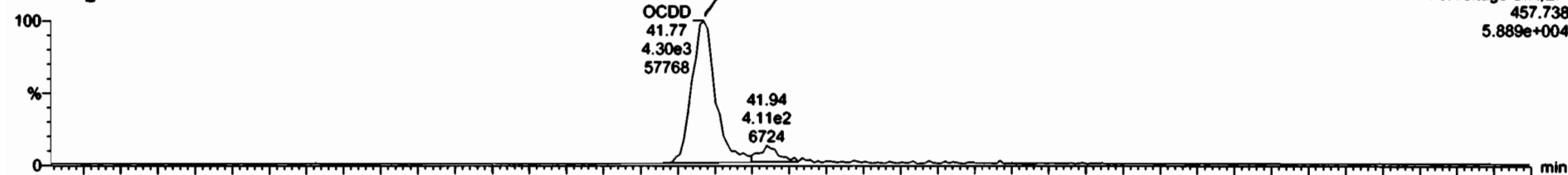
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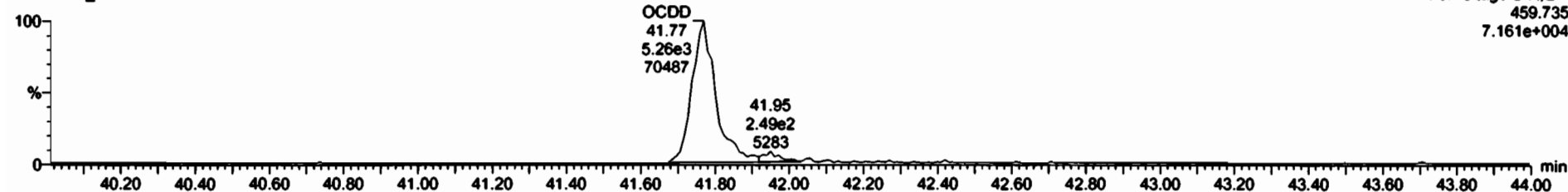
OCDD

200529R2_5



F5:Voltage SIR,EI+
457.738
5.889e+004

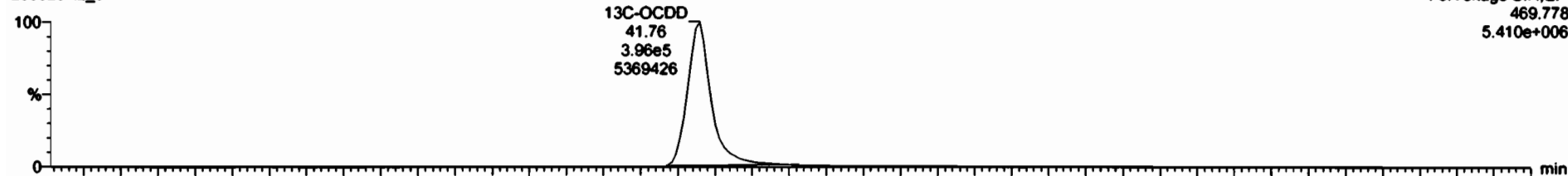
200529R2_5



F5:Voltage SIR,EI+
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7.161e+004

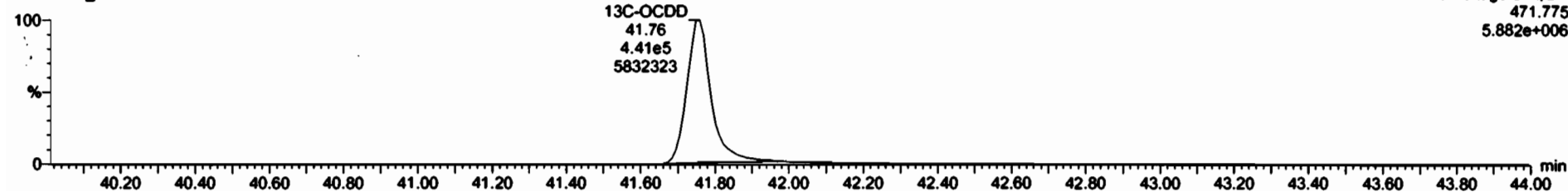
13C-OCDD

200529R2_5



F5:Voltage SIR,EI+
469.778
5.410e+006

200529R2_5



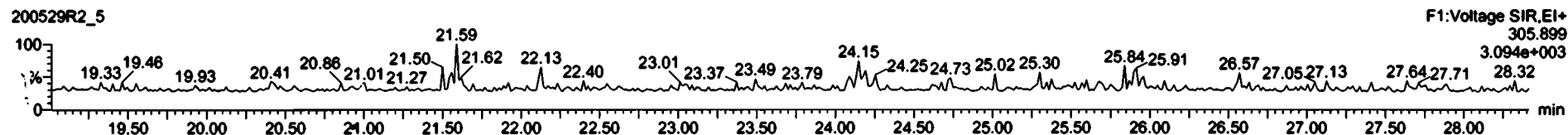
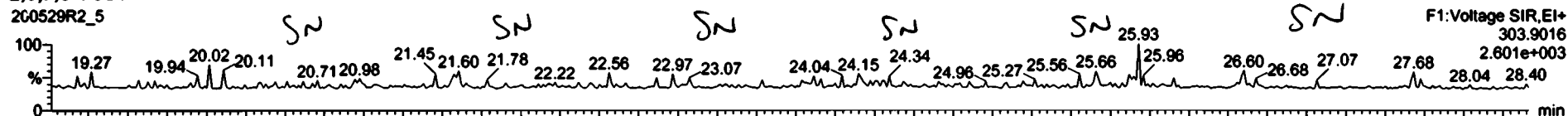
F5:Voltage SIR,EI+
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5.882e+006

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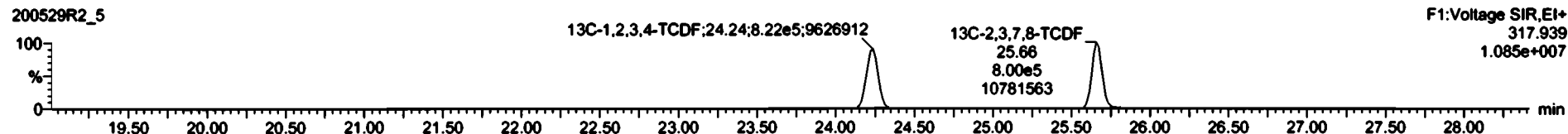
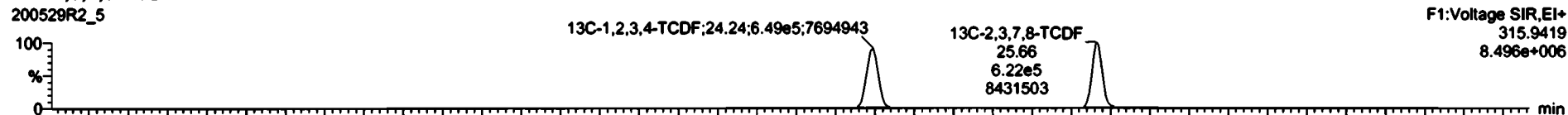
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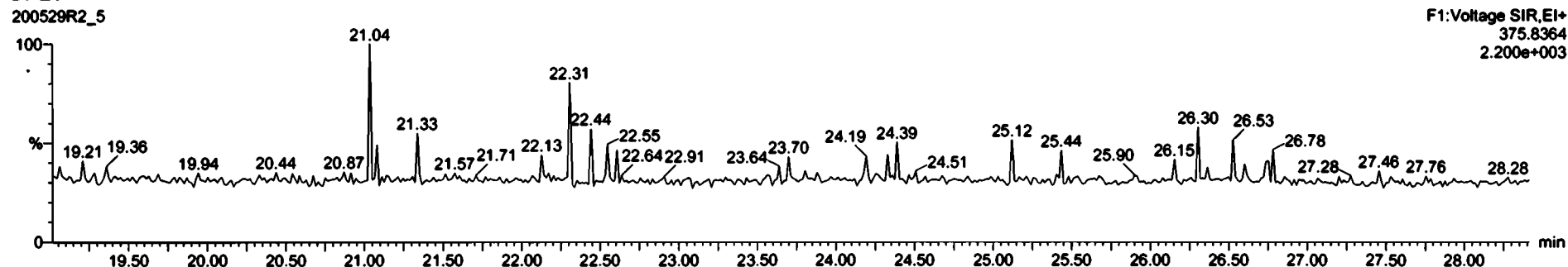
2,3,7,8-TCDF



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



DPE1



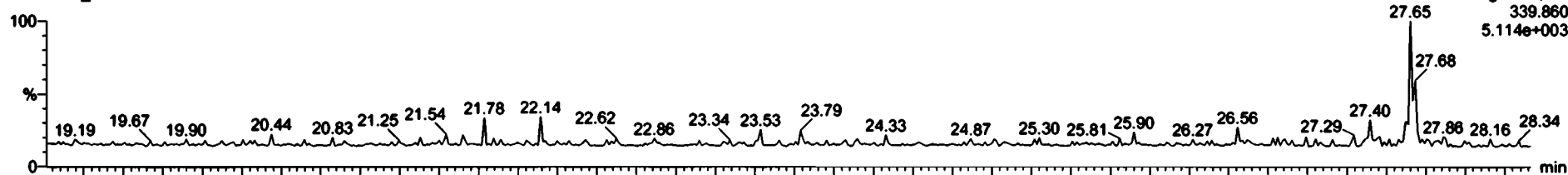
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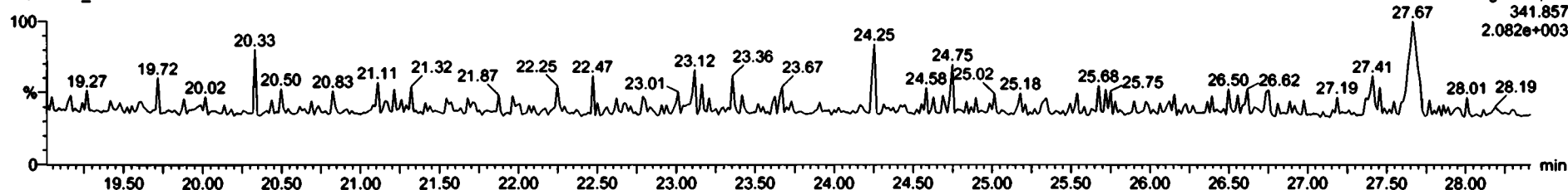
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1st Func. Penta-Furans

200529R2_5

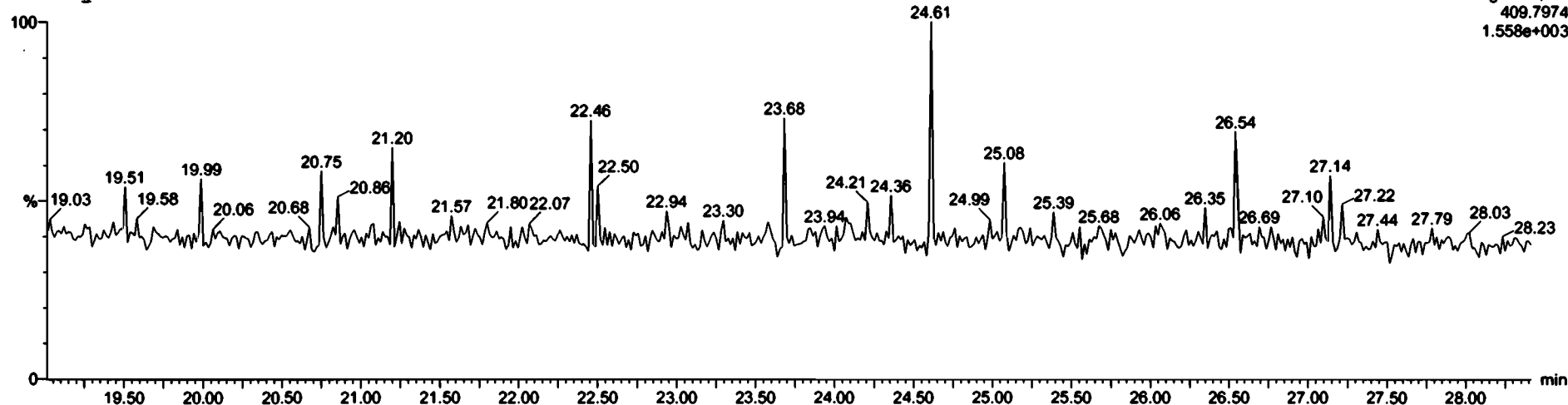


200529R2_5



D:E6

200529R2_5



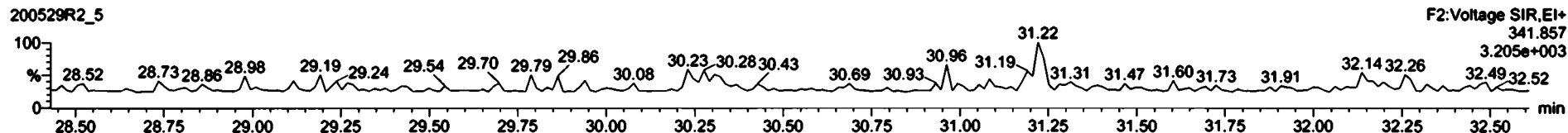
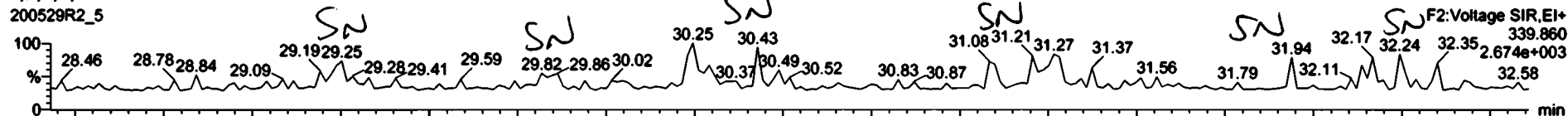
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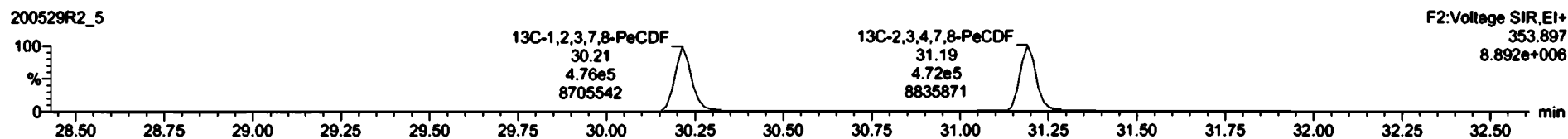
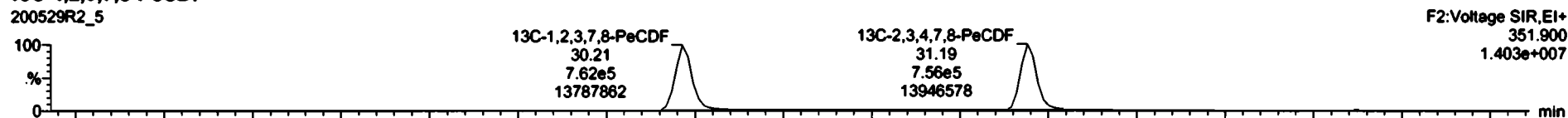
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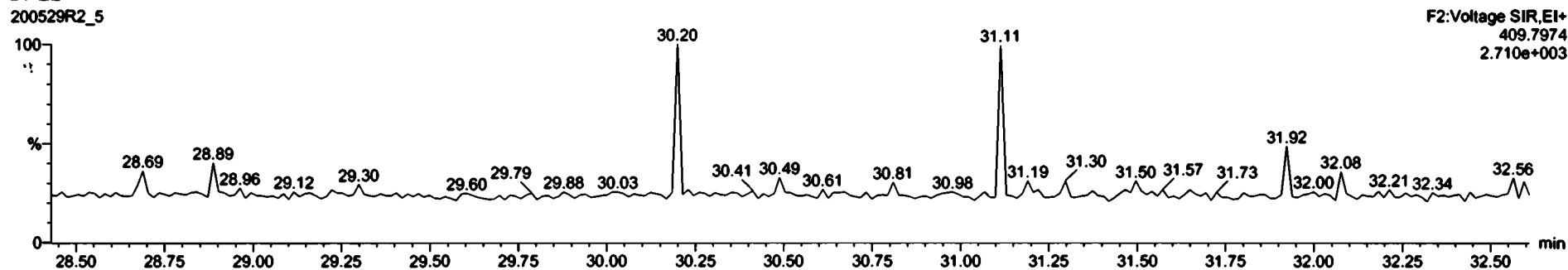
1,2,3,7,8-PeCDF



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



DPE2

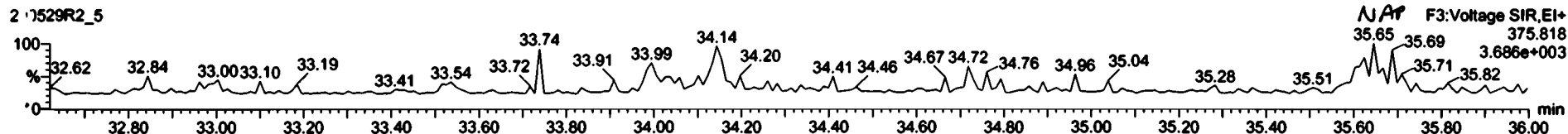
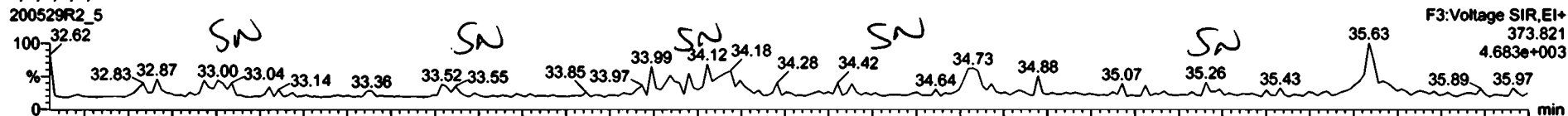


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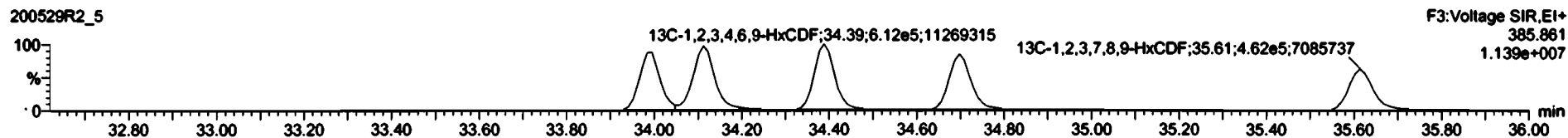
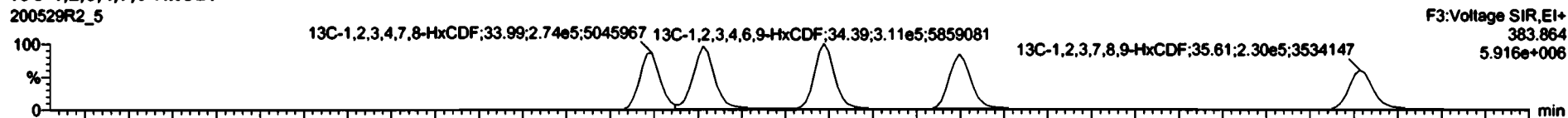
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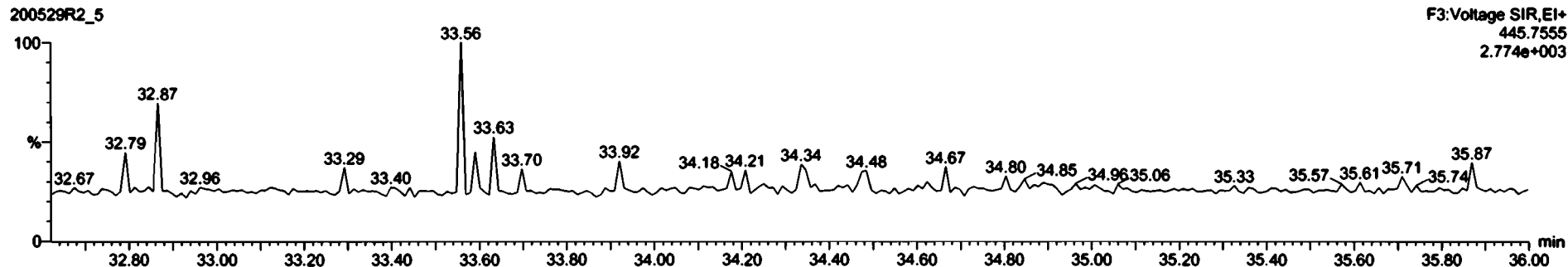
1,2,3,4,7,8-HxCDF



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



DPE3

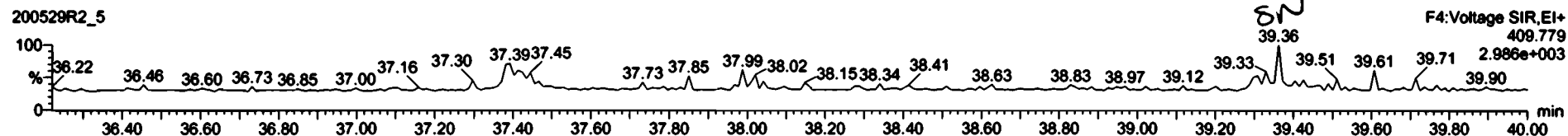
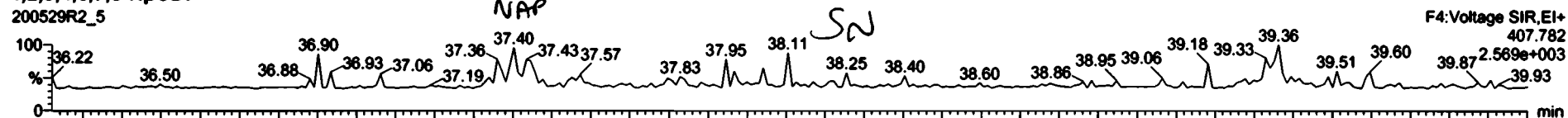


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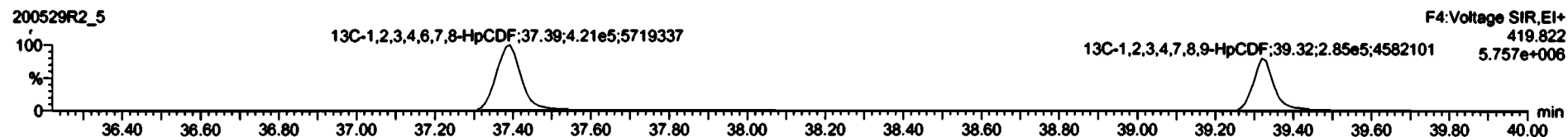
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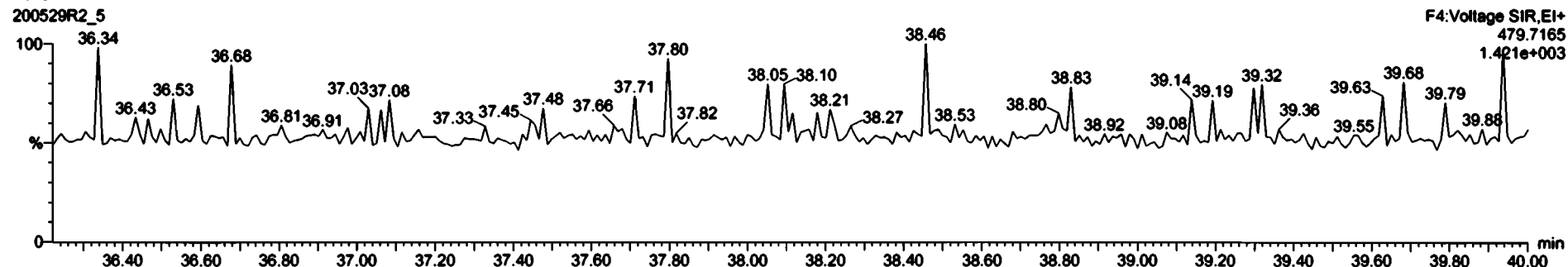
1,2,3,4,6,7,8-HpCDF



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



DPE4



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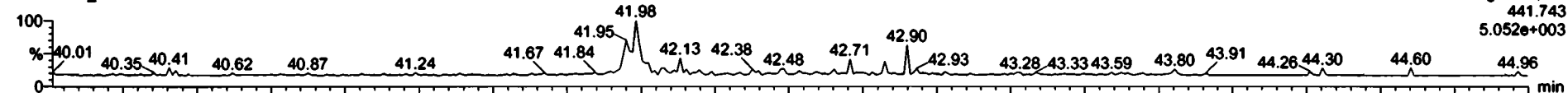
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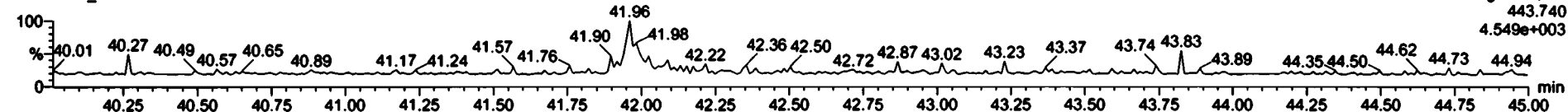
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OCDF

200529R2_5

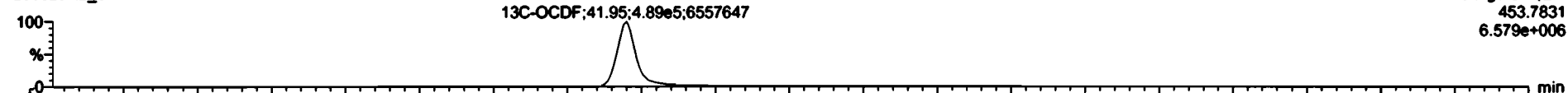


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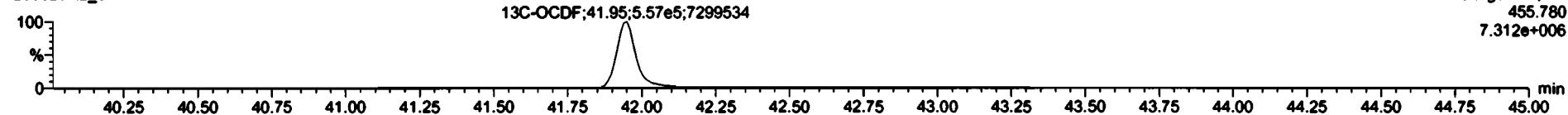


13C-OCDF

200529R2_5

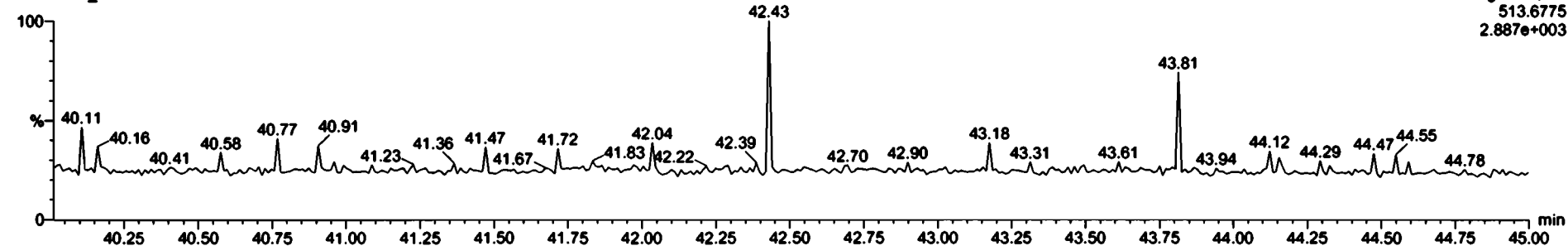


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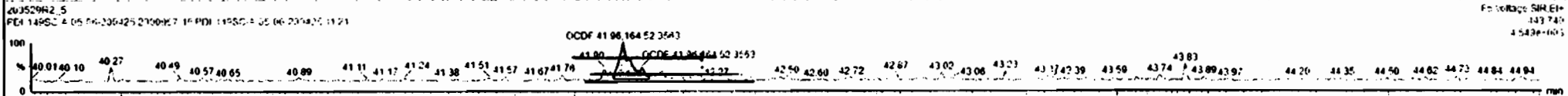
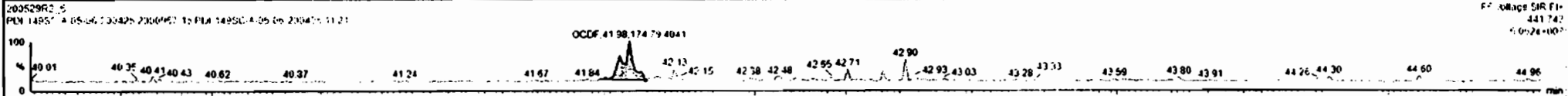


DRE5

200529R2_5



#	Name	Resp	S-Rang	Prod RA	RA	aly	RRF	ProdRT	RT	RT Flag	Prod RRT	RRT	Conc	%Rec	STD err
1	1.2.3.7.8-TCDD		1.06e5	0.77		NO	0.585	25.59		NO	1.001				NO
2	1.2.3.7.8-PeCDD		8.47e5	0.63		NO	0.581	31.52		NO	1.001				NO
3	1.2.3.4.7.8-HxCDD		6.51e5	1.24		NO	1.0354	34.86		NO	1.000				NO
4	1.2.3.6.7.8-HxCDD		8.01e5	1.24		NO	0.5922	34.97		NO	1.000				NO
5	1.2.3.7.8.9-HxCDD		7.07e5	1.24		NO	0.5855	35.26		NO	1.000				NO
6	1.2.3.4.6.7.8-HxCDD	1.63e3	5.22e5	1.04	0.85	NO	0.6675	38.79	38.79	NO	1.000	1.000	3.72		NO
7	OCDF	9.55e3	8.37e5	0.89	0.82	NO	0.9136	41.76	41.77	NO	1.000	1.000	4.56		NO
8	2.3.7.8-TCDF		1.42e6	0.77		NO	0.7510	25.65		NO	1.001				NO
9	1.2.3.7.8-PeCDF		1.24e5	1.51		NO	0.5925	30.24		NO	1.001				NO
10	2.3.4.7.8-PeCDF		1.23e6	1.51		NO	0.9342	21.22		NO	1.001				NO
11	1.2.3.4.7.8-HxCDF		8.14e5	1.24		NO	0.5845	33.95		NO	1.000				NO
12	1.2.3.6.7.8-HxCDF		9.57e5	1.24		NO	0.6892	34.12		NO	1.000				NO
13	2.3.4.6.7.8-HxCDF		8.36e5	1.24		NO	0.9341	34.73		NO	1.001				NO
14	1.2.3.7.8.9-HxCDF		6.51e5	1.24		NO	0.5787	35.61		NO	1.000				NO
15	1.2.3.4.6.7.8-HxCDF		6.07e5	1.04		NO	0.8734	37.43		NO	1.001				NO
16	1.2.3.4.7.8.9-HxCDF		4.18e5	1.04		NO	1.0128	39.32		NO	1.000				NO
17	1.2.3.4.6.7.8.9-HxCDF		1.33e6	0.85	0.85	NO	0.6185	40.26	40.26	NO	1.001	1.001	6.80		NO
18	1.2.3.7.8-TCDD	1.06e8	1.02e5	0.77	0.79	NO	1.1563	26.58	26.58	NO	1.026	1.025	194	90.2	NO
19	1.2.3.7.8-PeCDD	8.47e5	1.02e5	0.63	0.64	NO	0.8490	31.72	31.50	NO	1.227	1.216	195	38.1	NO
20	1.2.3.4.7.8-HxCDD	6.51e5	9.22e5	1.24	1.29	NO	0.7790	34.87	34.87	NO	1.014	1.014	121	90.6	NO
21	1.2.3.6.7.8-HxCDD	8.01e5	9.22e5	1.24	1.31	NO	1.0167	34.99	34.97	NO	1.017	1.017	170	85.5	NO



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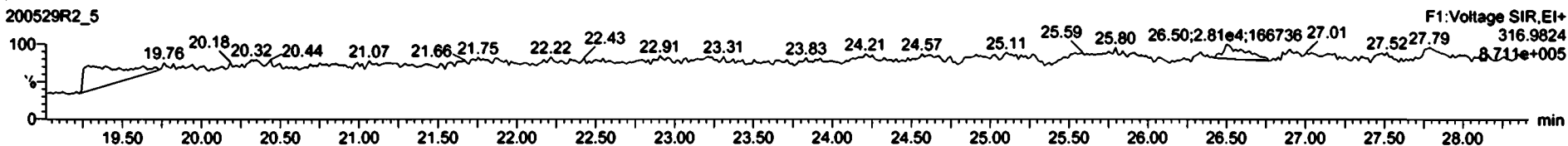
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Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

Name: 200529R2_5, Date: 29-May-2020, Time: 17:30:18, ID: 2000957-15 PDI-149SC-A-05-06-200425 11.21, Description: PDI-149SC-A-05-06-200425

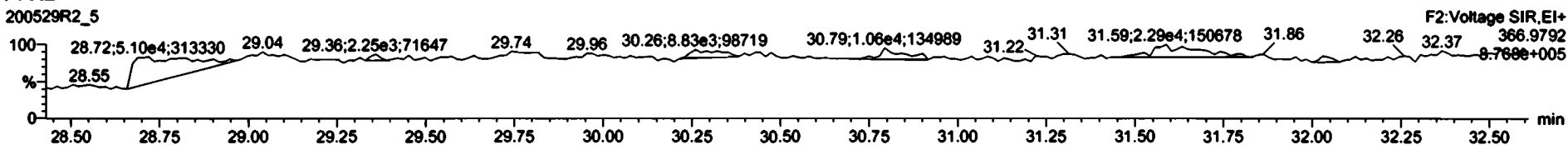
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200529R2_5



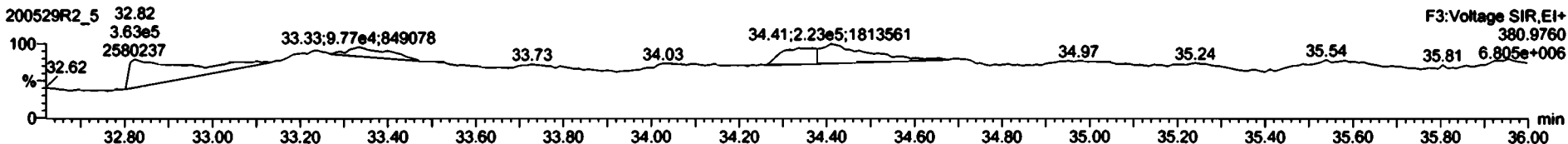
PFK2

200529R2_5



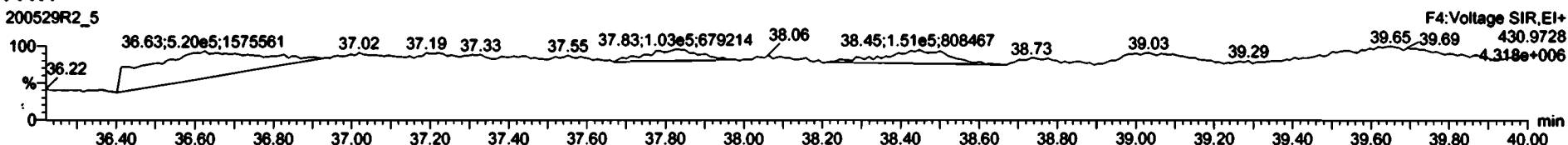
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200529R2_5



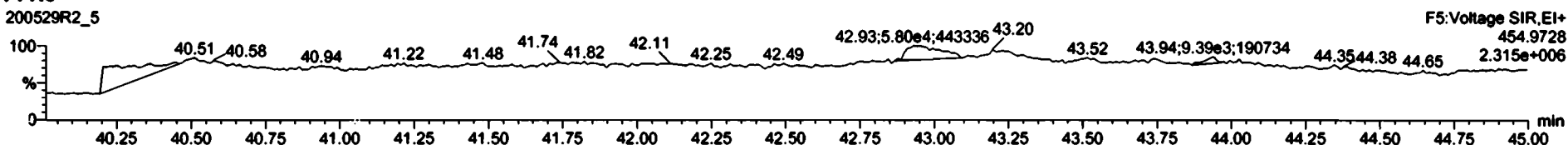
PFK4

200529R2_5



PFK5

200529R2_5



Dataset: U:\VG12.PRO\Results\200529R2\200529R2-6.qld

Last Altered: Monday, June 01, 2020 12:48:58 Pacific Daylight Time
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GRB 06/01/2020

C7 06/01/2020

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Calibration: U:\VG12.PRO\CurveDB\1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200529R2_6, Date: 29-May-2020, Time: 18:16:29, ID: 2000957-16 PDI-149SC-A-06-07-200425 11.59, Description: PDI-149SC-A-06-07-200425

#	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	0.888	10.054	26.575		1.001				0.0431	
2	1,2,3,7,8-PeCDD			NO	0.908	10.054	31.518		1.001				0.0459	
3	1,2,3,4,7,8-HxCDD			NO	1.03	10.054	34.878		1.000				0.0674	
4	1,2,3,6,7,8-HxCDD			NO	0.892	10.054	34.974		1.000				0.0666	
5	1,2,3,7,8,9-HxCDD			NO	0.887	10.054	35.273		1.000				0.0782	
6	1,2,3,4,6,7,8-HpCDD	1.37e3	0.98	NO	0.864	10.054	38.800	38.80	1.000	1.000	0.53428		0.0634	0.534
7	OCDD	1.08e4	0.90	NO	0.914	10.054	41.759	41.77	1.000	1.000	4.7973		0.156	4.80
8	2,3,7,8-TCDF			NO	0.751	10.054	25.686		1.001				0.0240	
9	1,2,3,7,8-PeCDF			NO	0.893	10.054	30.236		1.001				0.0274	
10	2,3,4,7,8-PeCDF			NO	0.935	10.054	31.222		1.001				0.0251	
11	1,2,3,4,7,8-HxCDF			NO	0.884	10.054	33.995		1.000				0.0321	
12	1,2,3,6,7,8-HxCDF			NO	0.889	10.054	34.122		1.000				0.0291	
13	2,3,4,6,7,8-HxCDF			NO	0.934	10.054	34.733		1.001				0.0315	
14	1,2,3,7,8,9-HxCDF	1.65e2	1.03	YES	0.871	10.054	35.614	35.62	1.000	1.000	0.049707		0.0208	0.0456
15	1,2,3,4,6,7,8-HpCDF			NO	0.873	10.054	37.429		1.001				0.0424	
16	1,2,3,4,7,8,9-HpCDF			NO	1.01	10.054	39.331		1.000				0.0446	
17	OCDF			NO	0.806	10.054	41.951		1.000				0.0737	
18	13C-2,3,7,8-TCDD	1.20e6	0.79	NO	1.16	10.054	26.584	26.54	1.026	1.025	198.37	99.7	0.177	
19	13C-1,2,3,7,8-PeCDD	9.08e5	0.63	NO	0.849	10.054	31.784	31.50	1.227	1.216	204.25	103	0.201	
20	13C-1,2,3,4,7,8-HxCDD	6.90e5	1.28	NO	0.779	10.054	34.874	34.87	1.014	1.014	185.74	93.4	0.291	
21	13C-1,2,3,6,7,8-HxCDD	8.60e5	1.28	NO	1.02	10.054	34.987	34.97	1.017	1.017	177.28	89.1	0.223	
22	13C-1,2,3,7,8,9-HxCDD	7.81e5	1.27	NO	0.903	10.054	35.259	35.26	1.025	1.025	181.29	91.1	0.251	
23	13C-1,2,3,4,6,7,8-HpCDD	5.89e5	1.04	NO	0.689	10.054	38.787	38.79	1.128	1.128	179.18	90.1	0.360	
24	13C-OCDD	9.82e5	0.90	NO	0.652	10.054	41.814	41.76	1.216	1.214	315.59	79.3	0.407	
25	13C-2,3,7,8-TCDF	1.54e6	0.77	NO	1.06	10.054	25.623	25.66	0.989	0.991	190.08	95.5	0.235	
26	13C-1,2,3,7,8-PeCDF	1.33e6	1.60	NO	0.838	10.054	30.163	30.22	1.165	1.167	207.33	104	0.409	
27	13C-2,3,4,7,8-PeCDF	1.31e6	1.58	NO	0.817	10.054	31.119	31.19	1.202	1.204	209.00	105	0.419	
28	13C-1,2,3,4,7,8-HxCDF	8.84e5	0.51	NO	1.01	10.054	34.004	33.99	0.989	0.989	184.00	92.5	0.419	
29	13C-1,2,3,6,7,8-HxCDF	1.00e6	0.51	NO	1.17	10.054	34.128	34.11	0.992	0.992	179.58	90.3	0.362	
30	13C-2,3,4,6,7,8-HxCDF	9.08e5	0.52	NO	1.02	10.054	34.702	34.70	1.009	1.009	186.25	93.6	0.413	
31	13C-1,2,3,7,8,9-HxCDF	7.58e5	0.49	NO	0.860	10.054	35.603	35.61	1.035	1.036	184.79	92.9	0.491	

Dataset: U:\VG12.PRO\Results\200529R2\200529R2-6.qld

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Name: 200529R2_6, Date: 29-May-2020, Time: 18:16:29, ID: 2000957-16 PDI-149SC-A-06-07-200425 11.59, Description: PDI-149SC-A-06-07-200425

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc	%Rec	CL	EMPG
32	13C-1,2,3,4,6,7,8-HpCDF	6.63e5	0.45	NO	0.774	10.054	37.353	37.39	1.086	1.087	179.41	90.2	0.421	
33	13C-1,2,3,4,7,8,9-HpCDF	4.41e5	0.42	NO	0.521	10.054	39.386	39.33	1.145	1.144	177.27	89.1	0.626	
34	13C-OCDF	1.13e6	0.85	NO	0.746	10.054	41.986	41.95	1.221	1.220	318.05	79.9	0.337	
35	37Cl-2,3,7,8-TCDD	5.00e5			1.04	10.054	26.615	26.57	1.028	1.026	92.051	116	0.0372	
36	13C-1,2,3,4-TCDD	1.04e6	0.80	NO	1.00	10.054	26.000	25.90	1.000	1.000	198.93	100	0.205	
37	13C-1,2,3,4-TCDF	1.53e6	0.79	NO	1.00	10.054	24.360	24.22	1.000	1.000	198.93	100	0.249	
38	13C-1,2,3,4,6,9-HxCDF	9.49e5	0.51	NO	1.00	10.054	34.420	34.39	1.000	1.000	198.93	100	0.422	
39	Total Tetra-Dioxins				0.888	10.054	24.620		0.000		0.11733		0.0431	0.117
40	Total Penta-Dioxins				0.908	10.054	29.960		0.000				0.0186	
41	Total Hexa-Dioxins				0.892	10.054	33.635		0.000		0.55109		0.0737	0.551
42	Total Hepta-Dioxins				0.864	10.054	37.640		0.000		1.5124		0.0634	1.51
43	Total Tetra-Furans				0.751	10.054	23.610		0.000				0.0111	
44	1st Func. Penta-Furans				0.893	10.054	27.090		0.000				0.00538	
45	Total Penta-Furans				0.893	10.054	29.275		0.000				0.0131	
46	Total Hexa-Furans				0.934	10.054	33.555		0.000		0.00000		0.0151	0.0569
47	Total Hepta-Furans				0.873	10.054	37.835		0.000				0.0264	

Dataset: U:\VG12.PRO\Results\200529R2\200529R2-6.qld

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 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200529R2_6, Date: 29-May-2020, Time: 18:16:29, ID: 2000957-16 PDI-149SC-A-06-07-200425 11.59, Description: PDI-149SC-A-06-07-200425

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Tetra-Dioxins	24.42	3.954e3	5.571e3	2.767e2	3.526e2	0.78	NO	6.294e2	0.11733	0.11733	0.0431

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	33.38	1.771e4	1.457e4	7.659e2	5.974e2	1.28	NO	1.363e3	0.39125	0.39125	0.0737
2 Total Hexa-Dioxins	34.20	4.981e3	3.214e3	3.248e2	2.321e2	1.40	NO	5.570e2	0.15984	0.15984	0.0737

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Hepta-Dioxins	37.79	1.633e4	1.692e4	1.272e3	1.230e3	1.03	NO	2.502e3	0.97810	0.97810	0.0634
2 1,2,3,4,6,7,8-HpCDD	38.80	1.010e4	1.082e4	6.772e2	6.896e2	0.98	NO	1.367e3	0.53428	0.53428	0.0634

Tetra-Furans

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

Penta-Furans function 1

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

Dataset: U:\VG12.PRO\Results\200529R2\200529R2-6.qld

Last Altered: Monday, June 01, 2020 12:48:58 Pacific Daylight Time
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Name: 200529R2_6, Date: 29-May-2020, Time: 18:16:29, ID: 2000957-16 PDI-149SC-A-06-07-200425 11.59, Description: PDI-149SC-A-06-07-200425

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
1,2,3,7,8,9-HxCDF	35.82	2.852e3	1.813e3	8.373e1	8.111e1	1.03	YES	1.648e2	0.00000	0.045611	0.0208
Total Hexa-Furans	35.65	1.862e3	7.190e2	4.371e1	2.105e1	2.08	YES	0.000e0	0.00000	0.011316	0.0151

Hepta-Furans

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

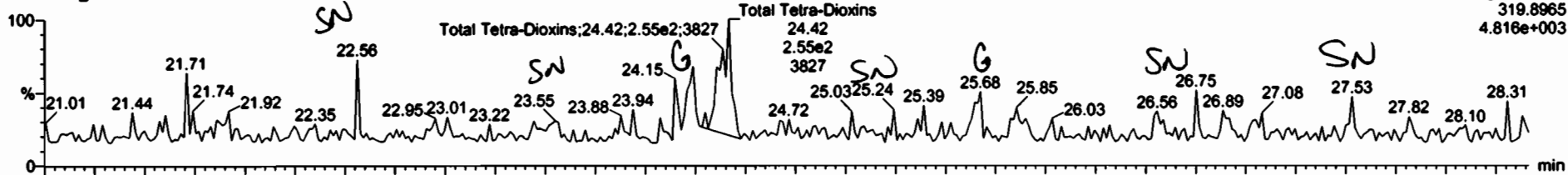
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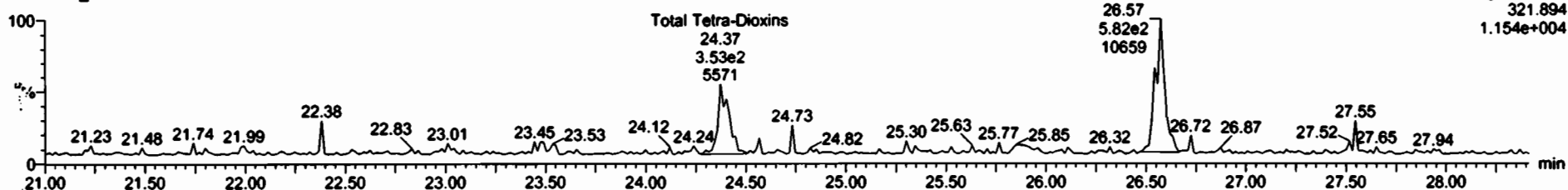
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2,3,7,8-TCDD

200529R2_6



200529R2_6

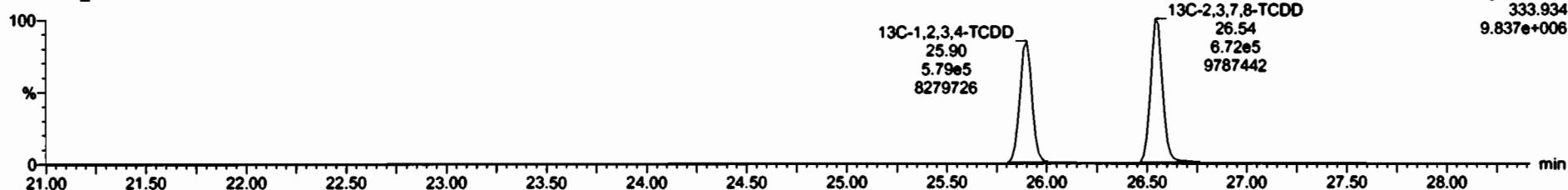


13C-2,3,7,8-TCDD

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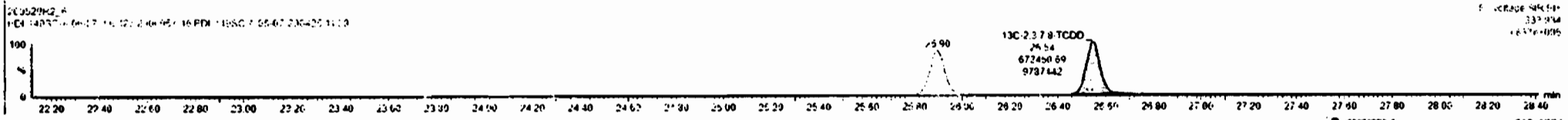
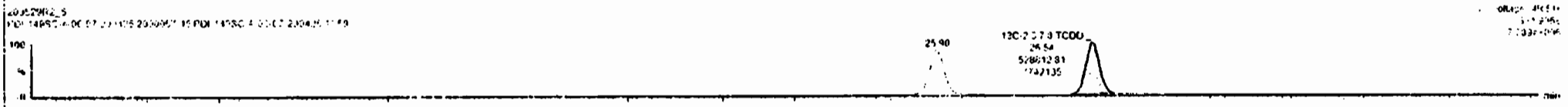
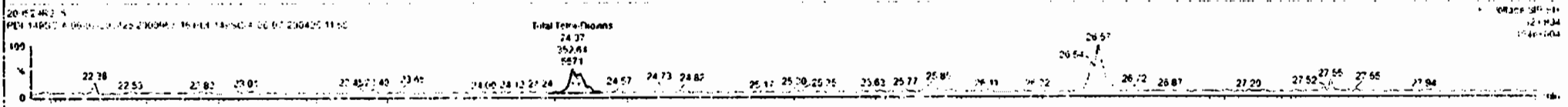
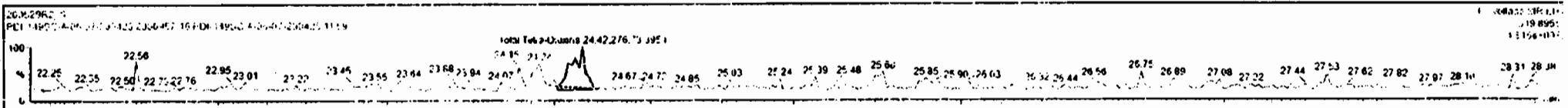


200529R2_6



#1	Name	Resp	RA	ay	RF	level	RT	RRT	Comp	%Rec	DR	EMPC
30	Total Tetra-Chloros				0.0000	98.000			0.117		0.8638	0.117
AD	Total Residuals				0.0001	10.000					0.117	

#1	Name	RT	ml Resp	ml Resp	RA	ay	EMPC	Comp
1	Total Tetra-Chloros	4.42	7.07e2	1.526e2	0.37	893	0.117	C 117.12



Dataset: Untitled

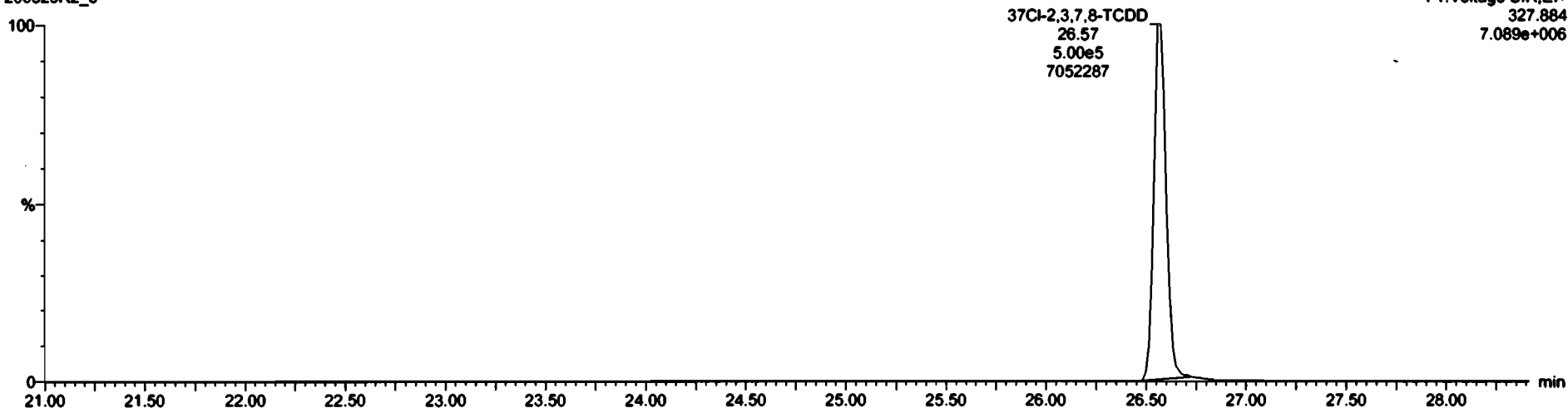
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Name: 200529R2_6, Date: 29-May-2020, Time: 18:16:29, ID: 2000957-16 PDI-149SC-A-06-07-200425 11.59, Description: PDI-149SC-A-06-07-200425

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

200529R2_6

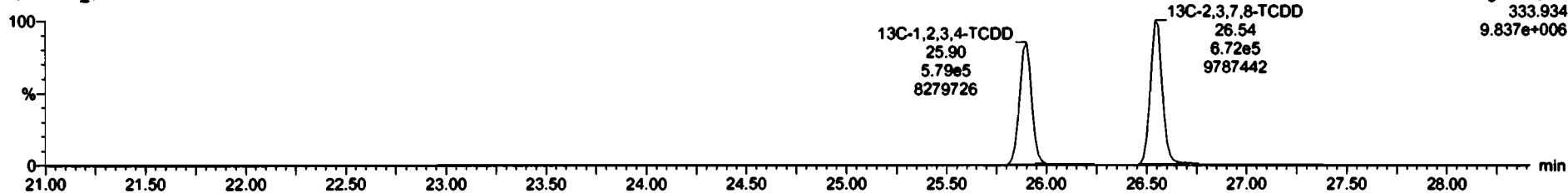


13C-1,2,3,4-TCDD

200529R2_6



200529R2_6



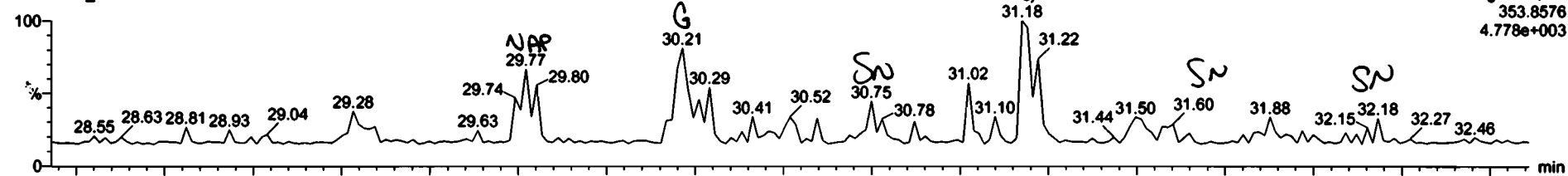
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Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

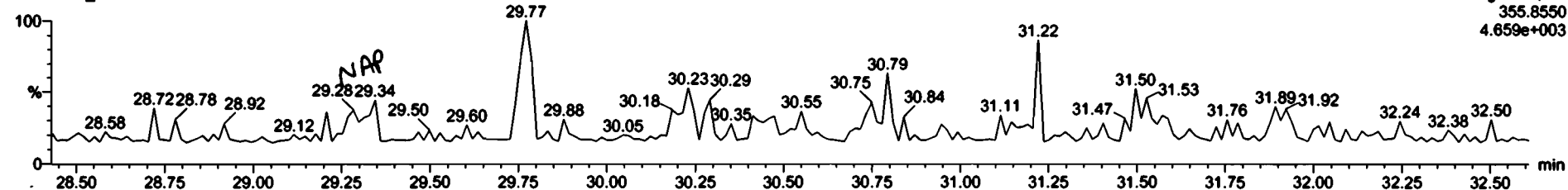
Name: 200529R2_6, Date: 29-May-2020, Time: 18:16:29, ID: 2000957-16 PDI-149SC-A-06-07-200425 11.59, Description: PDI-149SC-A-06-07-200425

1,2,3,7,8-PeCDD

200529R2_6

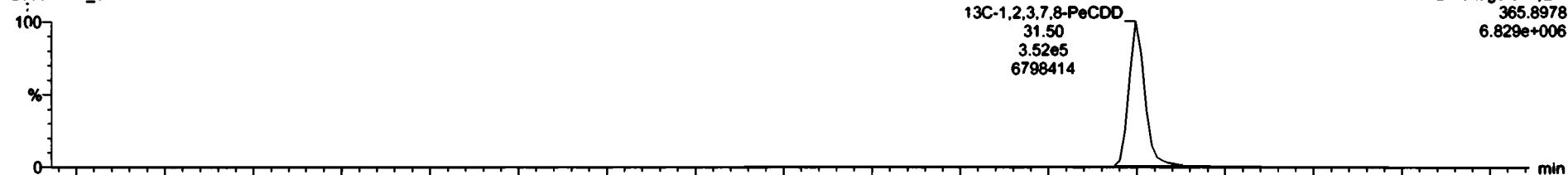


200529R2_6

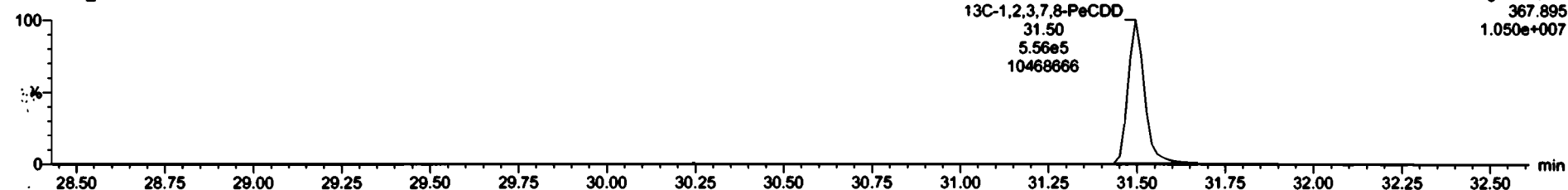


13C-1,2,3,7,8-PeCDD

200529R2_6



200529R2_6



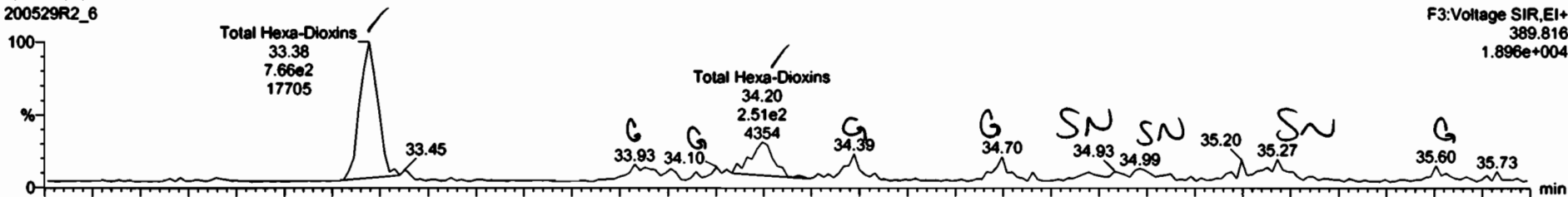
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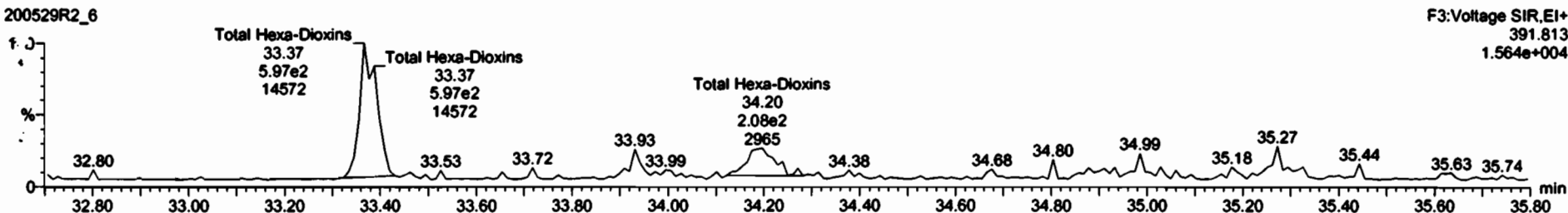
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1,2,3,4,7,8-HxCDD

200529R2_6



200529R2_6

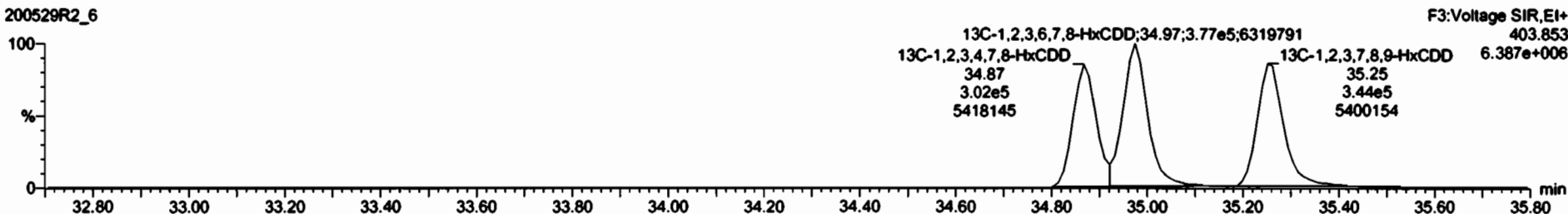


13C-1,2,3,4,7,8-HxCDD

200529R2_6

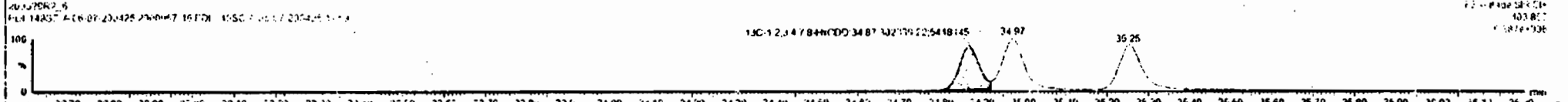
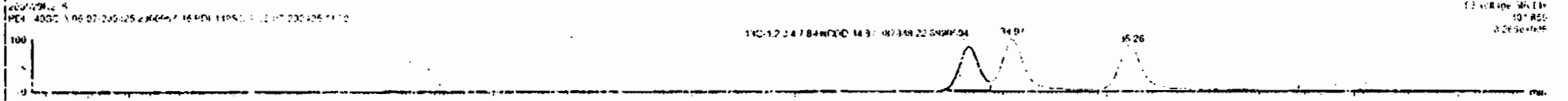
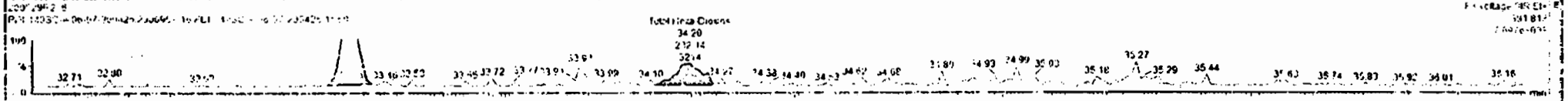
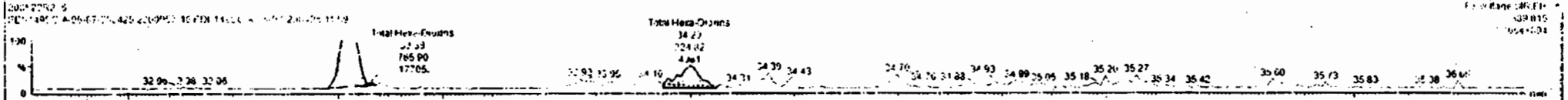


200529R2_6



Run	RA	my	REP	REP	REP	REP	REP	REP	REP	REP	REP
1	6.8825	10.884	10.884	10.884	10.884	10.884	10.884	10.884	10.884	10.884	10.884
Total Hrs: 10.884											

Name	RT	rel Resp	rel Resp	RA	my	REP	REP
Total Hrs: 10.884	7.85e2	4.97e2	1.79	10.884	10.884	10.884	10.884
Total Hrs: 10.884	3.14e2	2.02e2	1.41	10.884	10.884	10.884	10.884



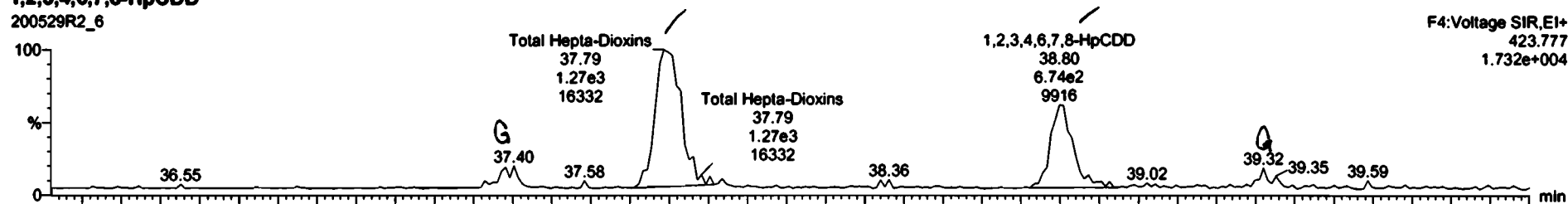
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Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

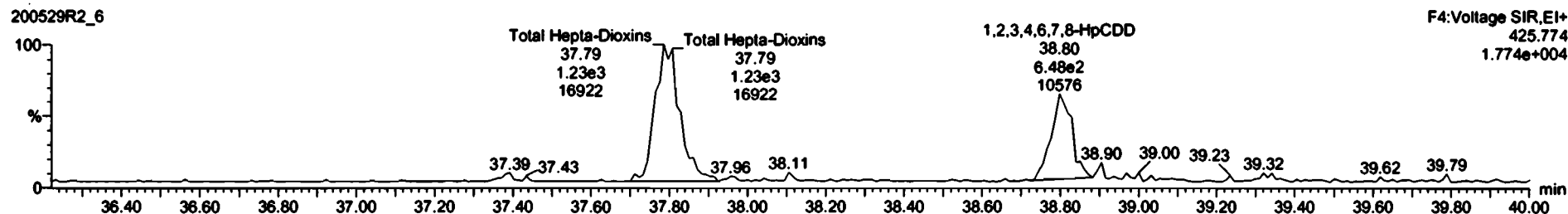
Name: 200529R2_6, Date: 29-May-2020, Time: 18:16:29, ID: 2000957-16 PDI-149SC-A-06-07-200425 11.59, Description: PDI-149SC-A-06-07-200425

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

200529R2_6

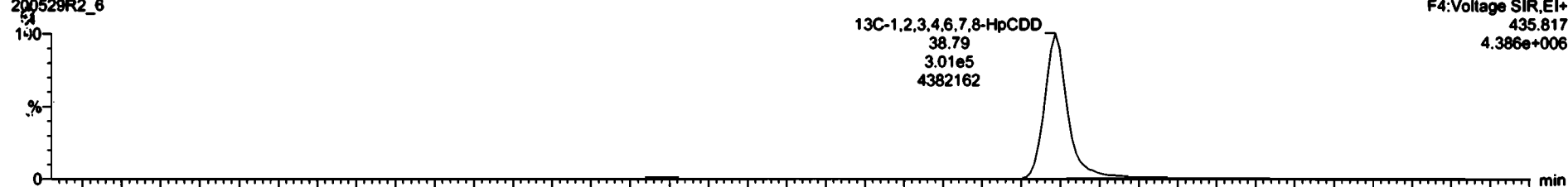


200529R2_6

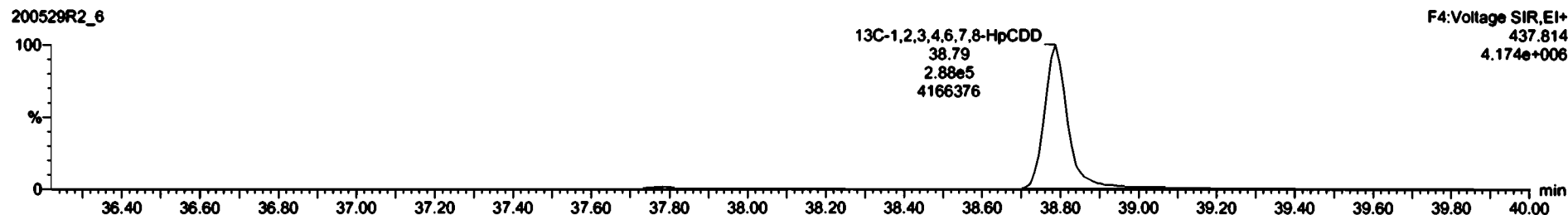


13C-1,2,3,4,6,7,8-HpCDD

200529R2_6

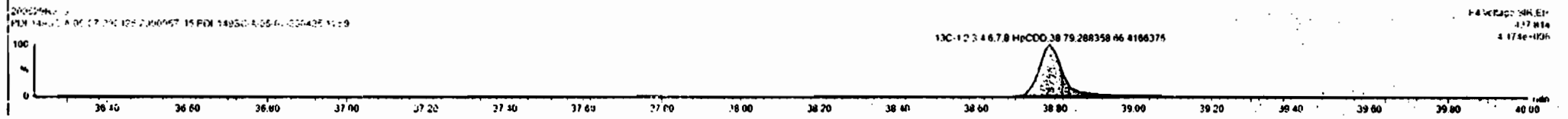
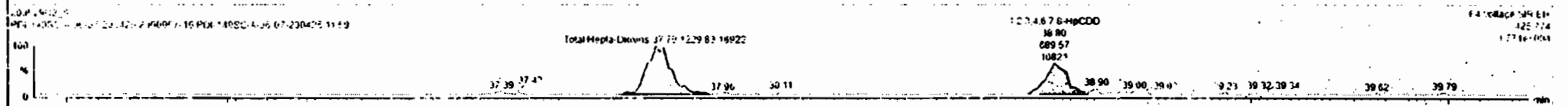
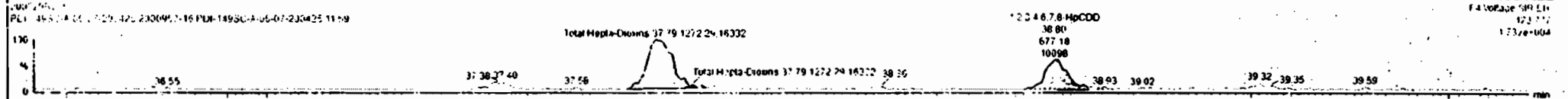


200529R2_6



Name	Resp	RA	aly	RSP	uRA	RT	RRT	Conc	%Rec	PL	EMPC
Total Hept-Chlorins				0.8623	10.854			0.551	0.0737	0.551	
Total Hept-Chlorins				0.8623	10.854			0.551	0.0737	0.551	

Name	RT	in Resp	out Resp	RA	aly	EMPC	Conc
Total Hept-Chlorins	37.79	1.772e3	1.230e3	1.03	NO	0.551	0.551
1,2,3,4,5,7,8-HpCDD	38.30	6.772e2	6.896e2	0.96	NO	0.551	0.551



Dataset: Untitled

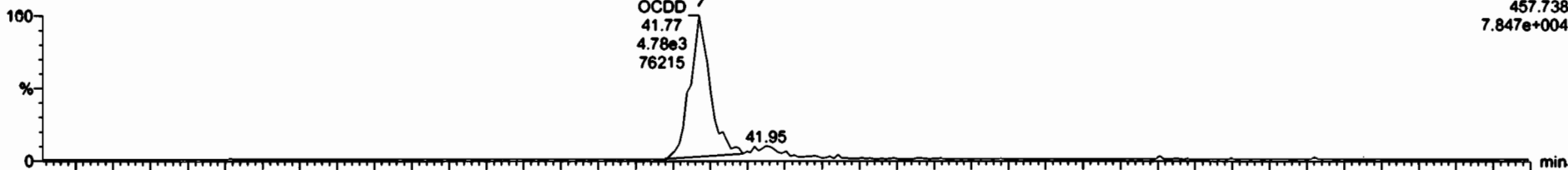
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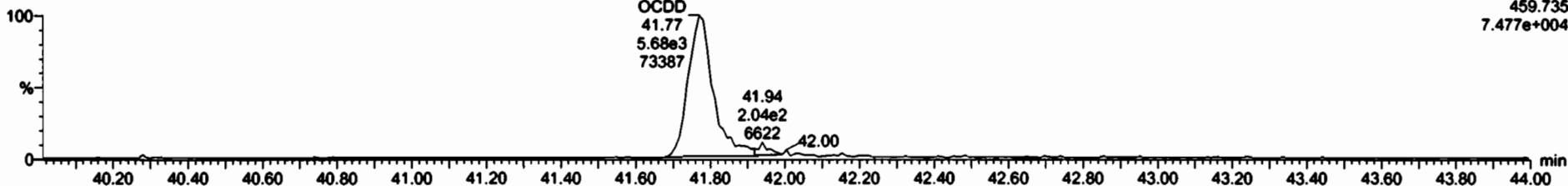
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OCDD

200529R2_6

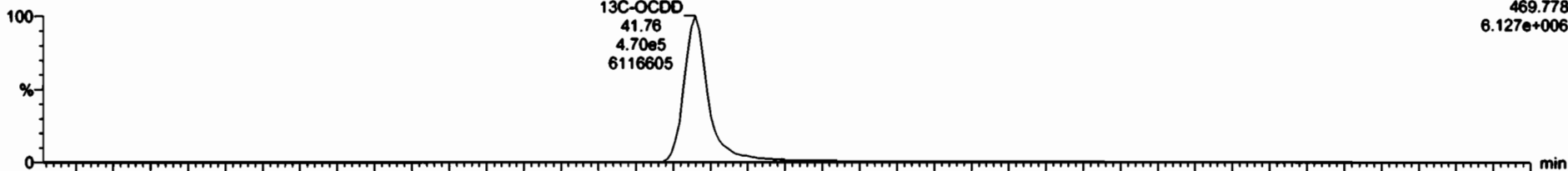


200529R2_6

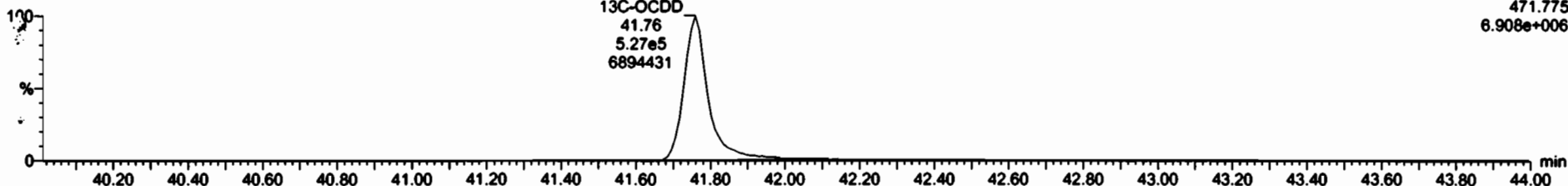


¹³C-OCDD

200529R2_6

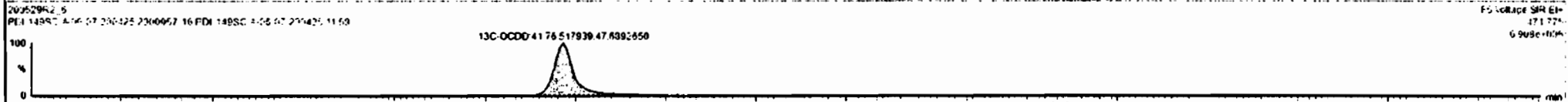
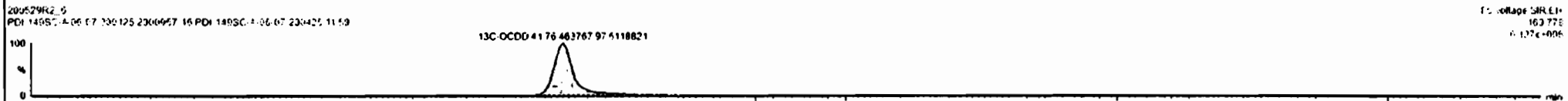
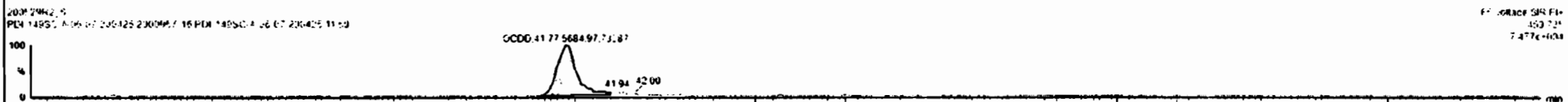


200529R2_6



SI	Name	Resp	RA	sy	RP	RP1	RT	RRT	Conc	%Rec	DL	EMPC
7	OCDD	1.00e5	6.00	0.0000	0.0000	0.0000	41.77	0.000	0.00	0.000	4.00	
8	13C-OCDD						41.94	0.000	0.00	0.000	4.00	

SI	Name	RT	m1 Resp	m2 Resp	RA	sy	EMPC	Conc
1								



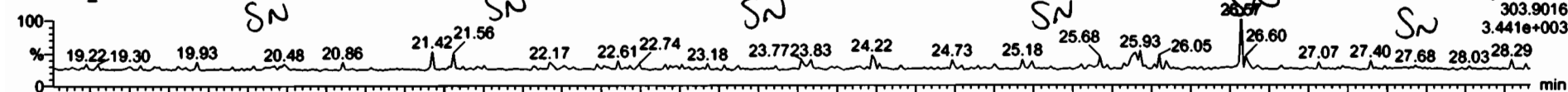
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Last Altered: Monday, June 01, 2020 7:46:05 AM Pacific Daylight Time
Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

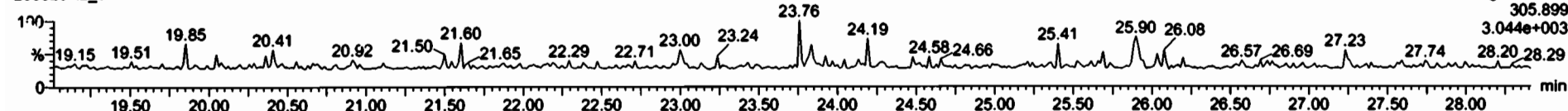
Name: 200529R2_6, Date: 29-May-2020, Time: 18:16:29, ID: 2000957-16 PDI-149SC-A-06-07-200425 11.59, Description: PDI-149SC-A-06-07-200425

2,3,7,8-TCDF

200529R2_6

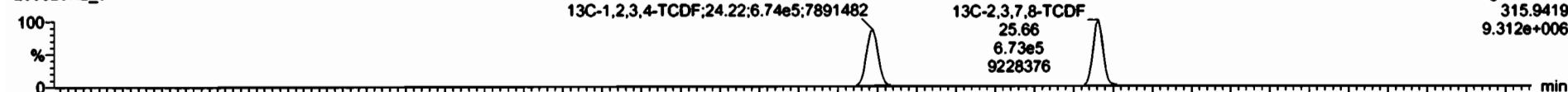


200529R2_6

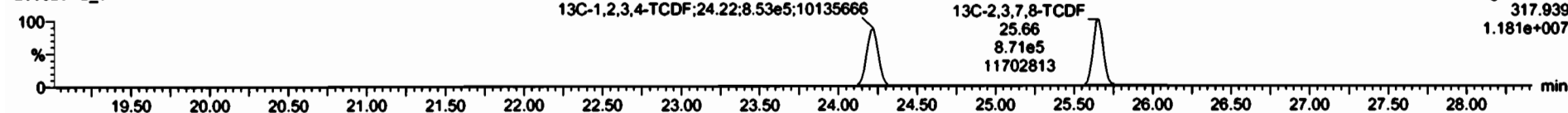


13C-2,3,7,8-TCDF

200529R2_6

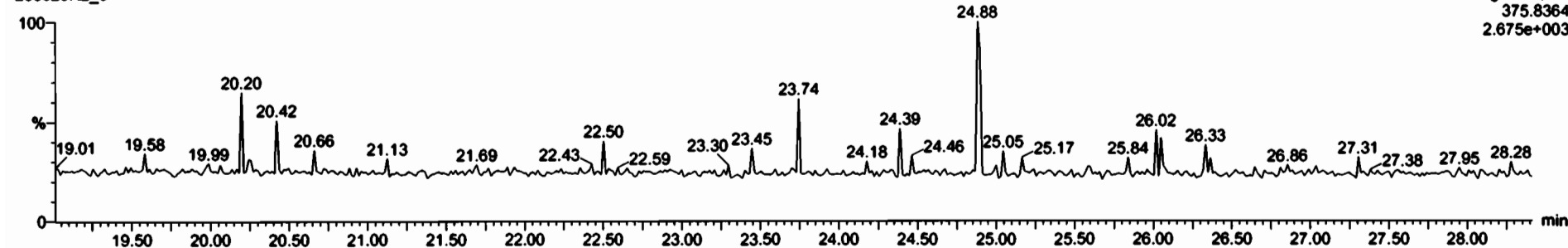


200529R2_6



DPE1

200529R2_6



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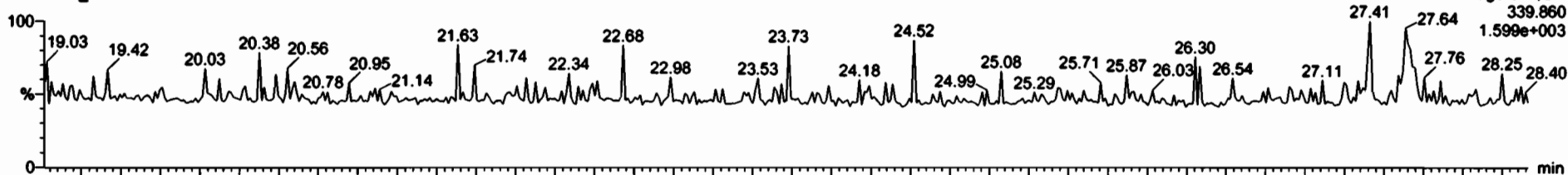
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Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

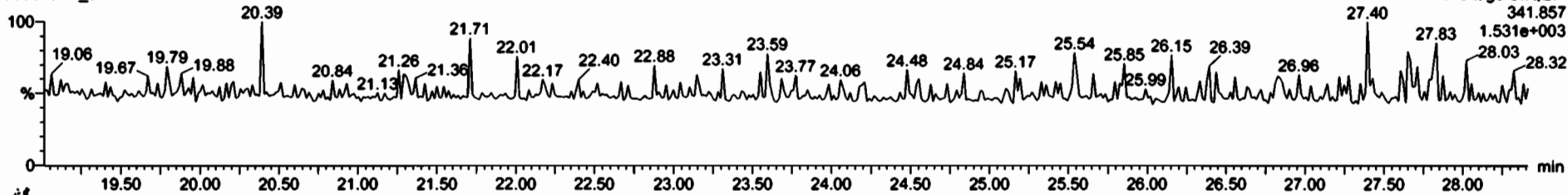
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1st Func. Penta-Furans

200529R2_6

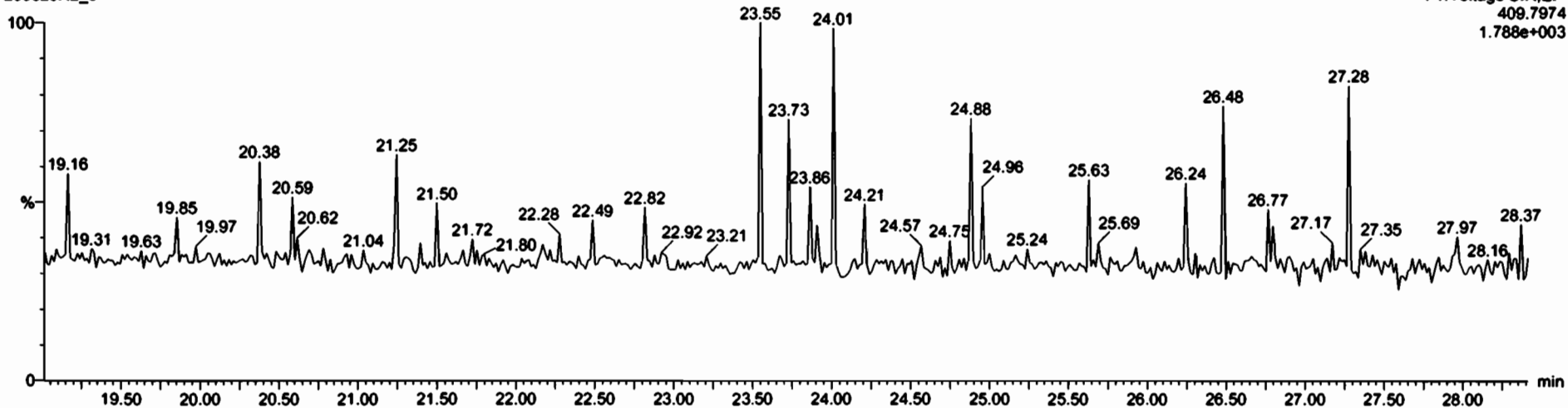


200529R2_6



DPE6

200529R2_6



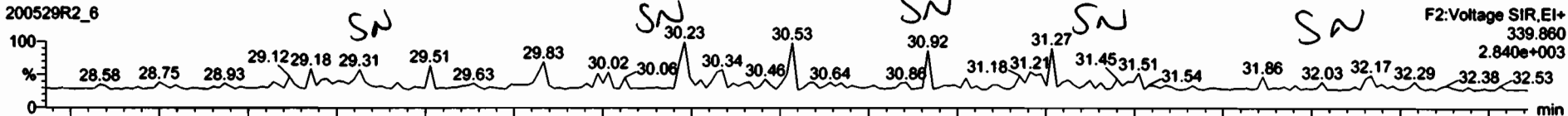
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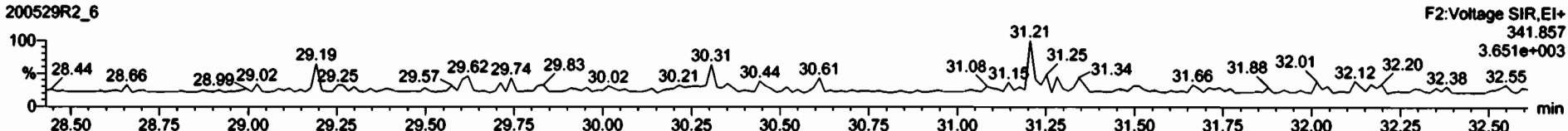
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1,2,3,7,8-PeCDF

200529R2_6

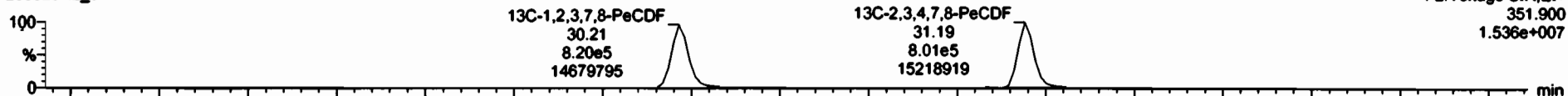


200529R2_6

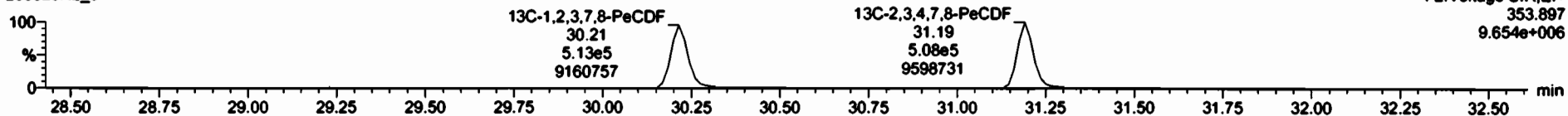


13C-1,2,3,7,8-PeCDF

200529R2_6

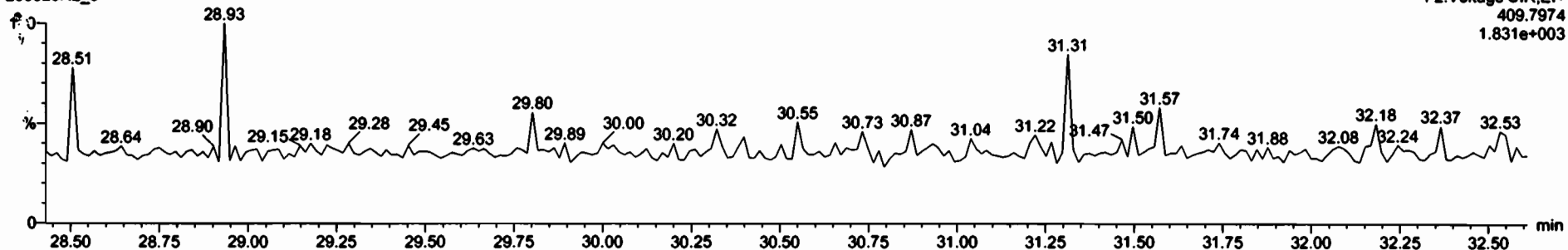


200529R2_6



DPE2

200529R2_6



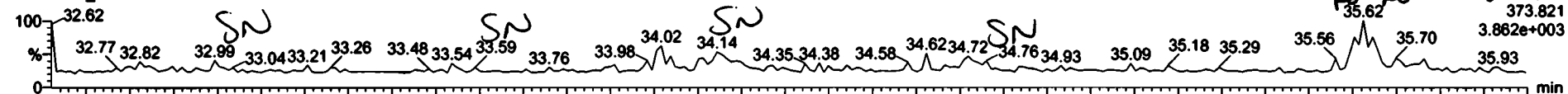
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Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

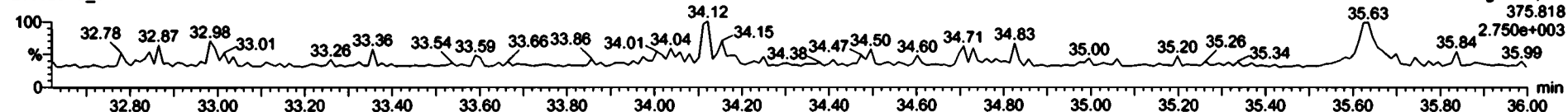
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1,2,3,4,7,8-HxCDF

200529R2_6

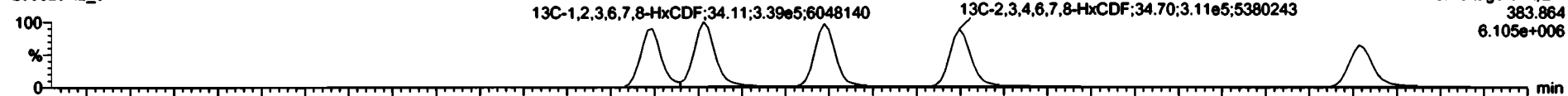


200529R2_6

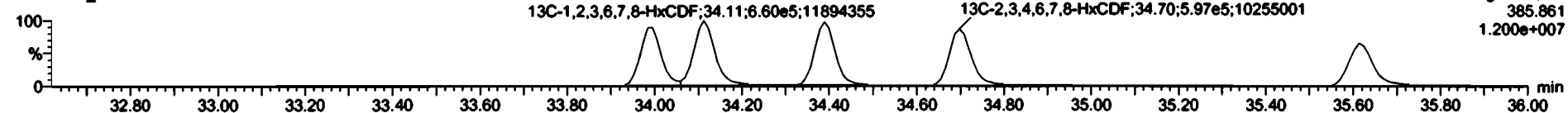


13C-1,2,3,4,7,8-HxCDF

200529R2_6

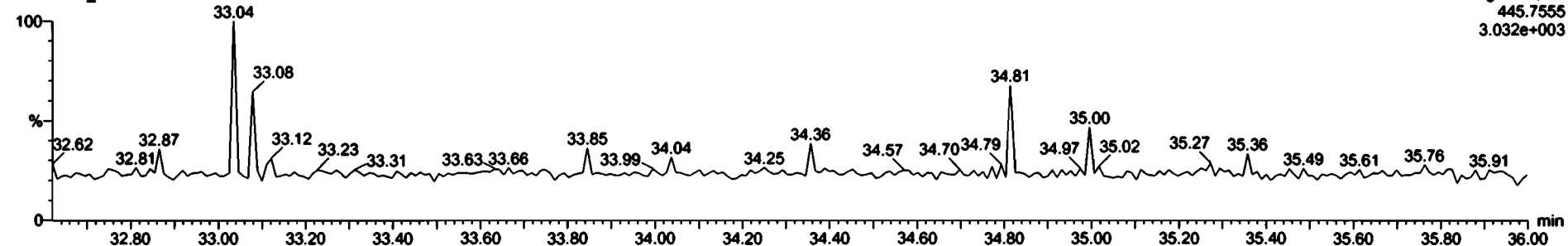


200529R2_6



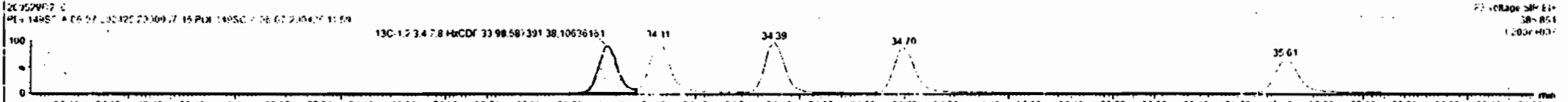
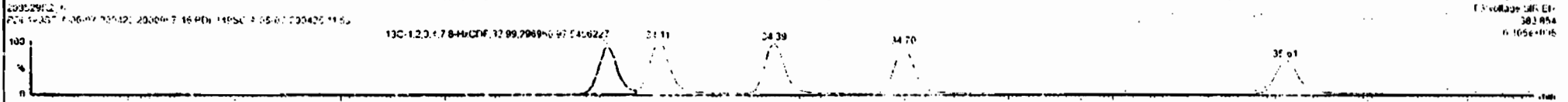
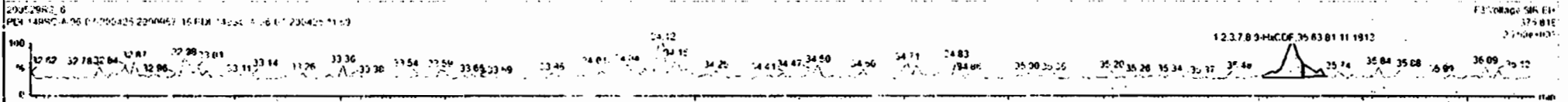
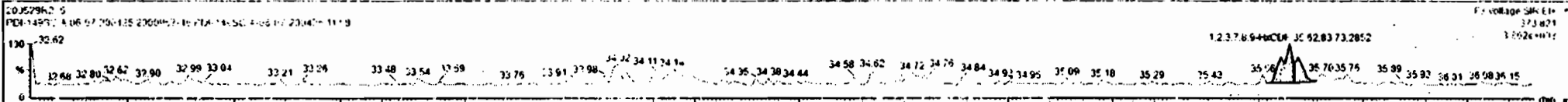
DPE3

200529R2_6



Name	Comp	RA	ny	RPY	nPeak	nF	RT	Comp	nSec	DI	INPC
1	Total Peaks-Furans			0.0527	10.054					0.0121	
2	Total Peaks-Furans			0.0527	10.054					0.0121	

Name	RT	Int Ramp	n2 Ramp	RA	ny	FW%	Comp
1	32.78	8.375e	5.11e1	1.07	YES	2.015e11	0.09060
2	35.65	4.371e1	7.165e1	2.02	YES	0.011516	6.00090



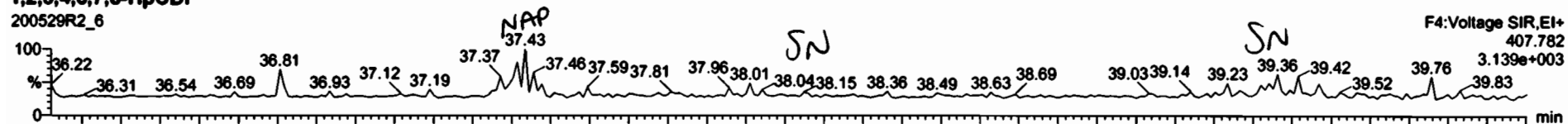
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Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

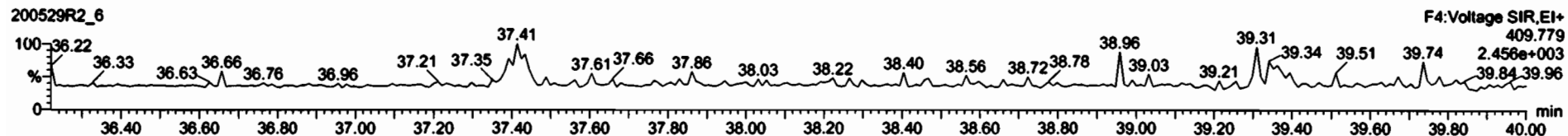
Name: 200529R2_6, Date: 29-May-2020, Time: 18:16:29, ID: 2000957-16 PDI-149SC-A-06-07-200425 11.59, Description: PDI-149SC-A-06-07-200425

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

200529R2_6



200529R2_6

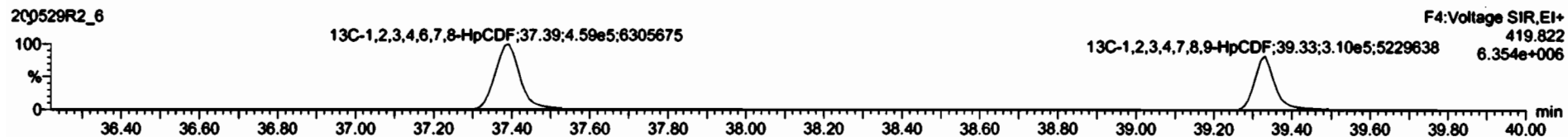


13C-1,2,3,4,6,7,8-HpCDF

200529R2_6

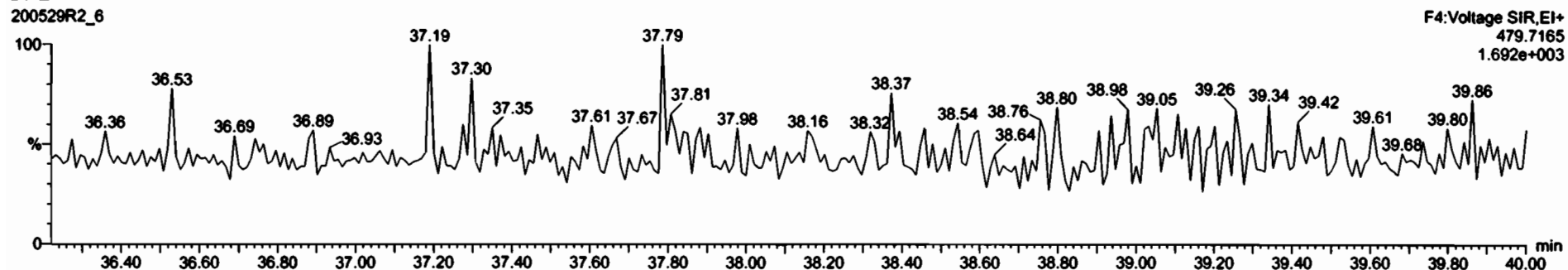


200529R2_6



DPE4

200529R2_6



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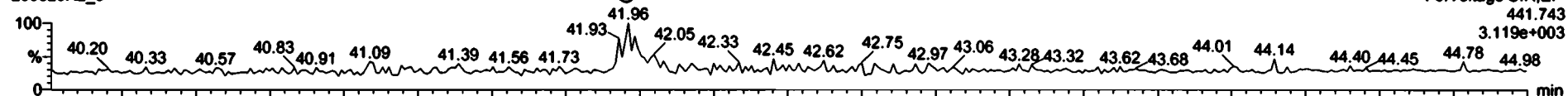
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Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

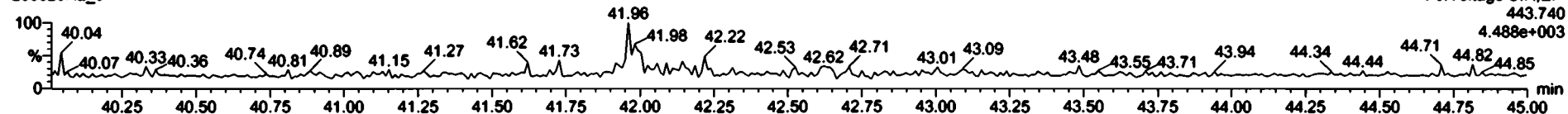
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OCDF

200529R2_6

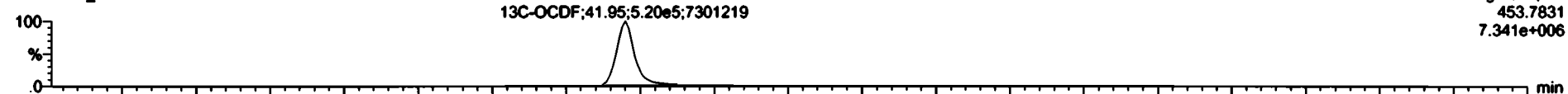


200529R2_6

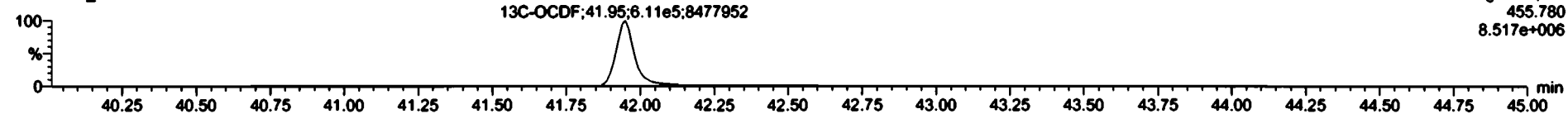


13C-OCDF

200529R2_6

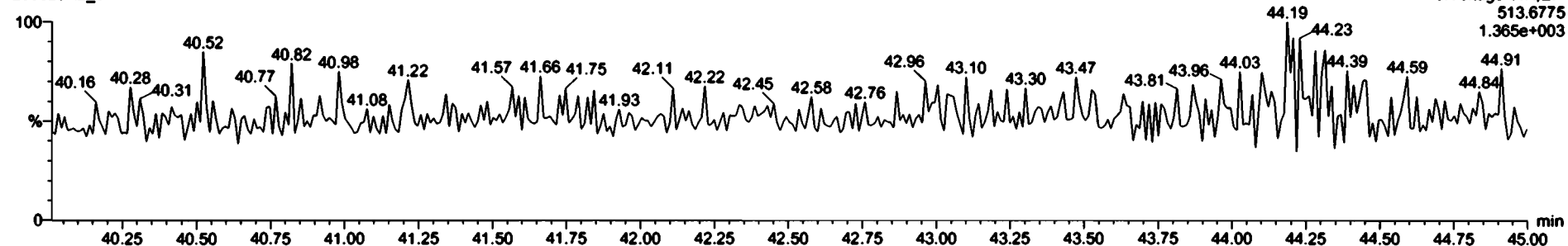


200529R2_6



D E5

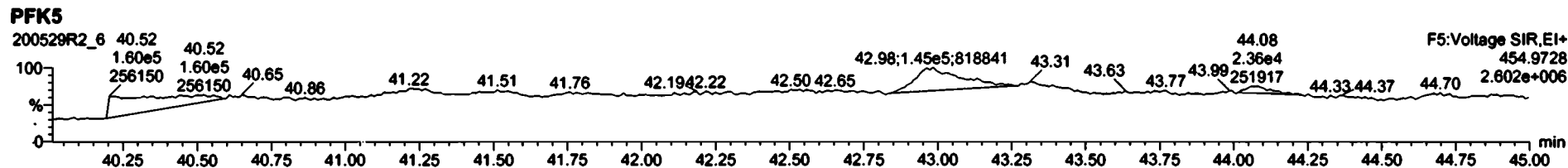
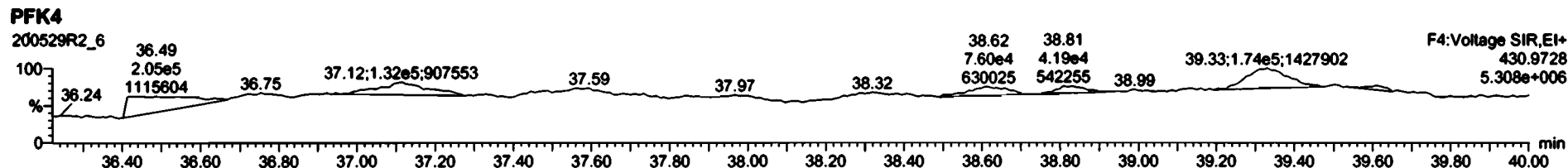
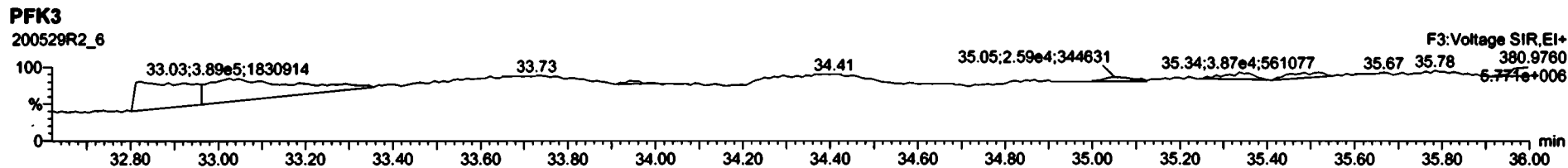
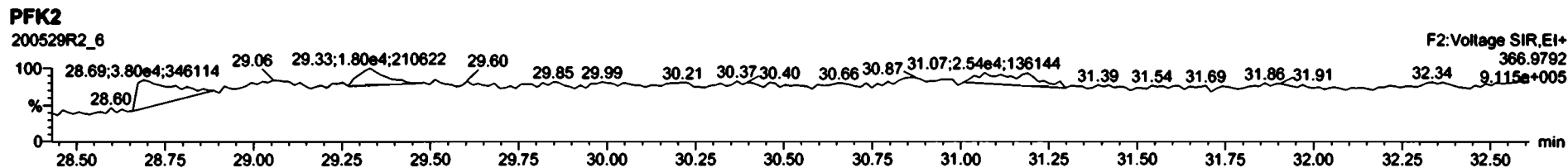
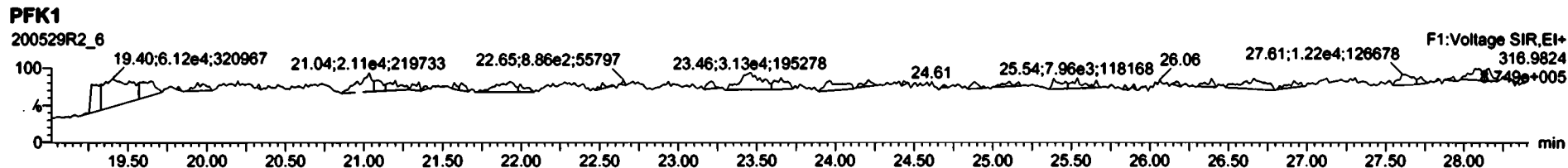
200529R2_6



Dataset: Untitled

Last Altered: Monday, June 01, 2020 7:46:05 AM Pacific Daylight Time
Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

Name: 200529R2_6, Date: 29-May-2020, Time: 18:16:29, ID: 2000957-16 PDI-149SC-A-06-07-200425 11.59, Description: PDI-149SC-A-06-07-200425



Dataset: U:\VG12.PRO\Results\200529R2\200529R2-7.qld

Last Altered: Monday, June 01, 2020 13:01:15 Pacific Daylight Time
Printed: Monday, June 01, 2020 13:02:11 Pacific Daylight Time

GRB 06/01/2020

C106/02/2020

Method: Untitled 26 May 2020 10:34:17

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200529R2_7, Date: 29-May-2020, Time: 19:02:41, ID: 2000957-17 PDI-149SC-A-07-08-200425 12.1, Description: PDI-149SC-A-07-08-200425

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	SC#	DL	EMPC
1	2,3,7,8-TCDD			NO	0.888	10.026	26.560		1.001				0.0430	
2	1,2,3,7,8-PeCDD			NO	0.908	10.026	31.503		1.001				0.0394	
3	1,2,3,4,7,8-HxCDD			NO	1.03	10.026	34.857		1.000				0.0536	
4	1,2,3,6,7,8-HxCDD			NO	0.892	10.026	34.953		1.000				0.0537	
5	1,2,3,7,8,9-HxCDD			NO	0.887	10.026	35.252		1.000				0.0651	
6	1,2,3,4,6,7,8-HpCDD	9.20e2	0.96	NO	0.864	10.026	38.778	38.78	1.000	1.000	0.35454		0.0557	0.355
7	OCDD	4.73e3	0.83	NO	0.914	10.026	41.738	41.76	1.000	1.001	2.0757		0.0770	2.08
8	2,3,7,8-TCDF			NO	0.751	10.026	25.671		1.001				0.0236	
9	1,2,3,7,8-PeCDF			NO	0.893	10.026	30.220		1.001				0.0262	
10	2,3,4,7,8-PeCDF			NO	0.935	10.026	31.207		1.001				0.0235	
11	1,2,3,4,7,8-HxCDF			NO	0.884	10.026	33.973		1.000				0.0335	
12	1,2,3,6,7,8-HxCDF			NO	0.889	10.026	34.100		1.000				0.0306	
13	2,3,4,6,7,8-HxCDF			NO	0.934	10.026	34.711		1.001				0.0333	
14	1,2,3,7,8,9-HxCDF	1.96e2	1.32	NO	0.871	10.026	35.592	35.63	1.000	1.001	0.059532		0.0253	0.0595
15	1,2,3,4,6,7,8-HpCDF			NO	0.873	10.026	37.408		1.001				0.0412	
16	1,2,3,4,7,8,9-HpCDF			NO	1.01	10.026	39.309		1.000				0.0442	
17	OCDF			NO	0.806	10.026	41.929		1.000				0.0541	
18	13C-2,3,7,8-TCDD	1.25e6	0.82	NO	1.16	10.026	26.568	26.53	1.026	1.025	202.06	101	0.187	
19	13C-1,2,3,7,8-PeCDD	9.37e5	0.64	NO	0.849	10.026	31.766	31.48	1.227	1.216	206.64	104	0.274	
20	13C-1,2,3,4,7,8-HxCDD	7.13e5	1.26	NO	0.779	10.026	34.852	34.85	1.014	1.014	195.06	97.8	0.426	
21	13C-1,2,3,6,7,8-HxCDD	9.02e5	1.28	NO	1.02	10.026	34.965	34.95	1.017	1.017	189.16	94.8	0.327	
22	13C-1,2,3,7,8,9-HxCDD	7.97e5	1.24	NO	0.903	10.026	35.236	35.24	1.025	1.025	188.32	94.4	0.368	
23	13C-1,2,3,4,6,7,8-HpCDD	5.99e5	1.00	NO	0.689	10.026	38.763	38.77	1.128	1.128	185.42	92.9	0.489	
24	13C-OCDD	9.94e5	0.92	NO	0.652	10.026	41.787	41.74	1.216	1.214	324.98	81.5	0.419	
25	13C-2,3,7,8-TCDF	1.64e6	0.78	NO	1.06	10.026	25.608	25.65	0.989	0.991	198.15	99.3	0.238	
26	13C-1,2,3,7,8-PeCDF	1.37e6	1.61	NO	0.838	10.026	30.146	30.20	1.165	1.167	209.40	105	0.530	
27	13C-2,3,4,7,8-PeCDF	1.38e6	1.62	NO	0.817	10.026	31.101	31.18	1.202	1.204	216.64	109	0.544	
28	13C-1,2,3,4,7,8-HxCDF	9.06e5	0.51	NO	1.01	10.026	33.982	33.97	0.989	0.989	191.77	96.1	0.564	
29	13C-1,2,3,6,7,8-HxCDF	1.05e6	0.53	NO	1.17	10.026	34.106	34.09	0.992	0.992	191.79	96.1	0.487	
30	13C-2,3,4,6,7,8-HxCDF	9.21e5	0.51	NO	1.02	10.026	34.680	34.68	1.009	1.009	192.17	96.3	0.556	
31	13C-1,2,3,7,8,9-HxCDF	7.56e5	0.52	NO	0.860	10.026	35.580	35.59	1.035	1.036	187.51	94.0	0.661	

Dataset: U:\VG12.PRO\Results\200529R2\200529R2-7.qld

Last Altered: Monday, June 01, 2020 13:01:15 Pacific Daylight Time
Printed: Monday, June 01, 2020 13:02:11 Pacific Daylight Time

Name: 200529R2_7, Date: 29-May-2020, Time: 19:02:41, ID: 2000957-17 PDI-149SC-A-07-08-200425 12.1, Description: PDI-149SC-A-07-08-200425

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc	RA50	DU	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	6.72e5	0.43	NO	0.774	10.026	37.329	37.37	1.086	1.087	185.08	92.8	0.359	
33	13C-1,2,3,4,7,8,9-HpCDF	4.63e5	0.42	NO	0.521	10.026	39.361	39.31	1.145	1.144	189.25	94.9	0.534	
34	13C-OCDF	1.17e6	0.86	NO	0.746	10.026	41.959	41.93	1.221	1.220	333.49	83.6	0.369	
35	37Cl-2,3,7,8-TCDD	4.95e5			1.04	10.026	26.599	26.56	1.028	1.026	89.283	112	0.0615	
36	13C-1,2,3,4-TCDD	1.07e6	0.79	NO	1.00	10.026	25.890	25.89	1.000	1.000	199.49	100	0.216	
37	13C-1,2,3,4-TCDF	1.56e6	0.79	NO	1.00	10.026	24.360	24.21	1.000	1.000	199.49	100	0.252	
38	13C-1,2,3,4,6,9-HxCDF	9.36e5	0.51	NO	1.00	10.026	34.420	34.37	1.000	1.000	199.49	100	0.569	
39	Total Tetra-Dioxins				0.888	10.026	24.620		0.000				0.0292	
40	Total Penta-Dioxins				0.908	10.026	29.960		0.000		0.00000		0.0132	0.0442
41	Total Hexa-Dioxins				0.892	10.026	33.635		0.000		0.24048		0.0598	0.240
42	Total Hepta-Dioxins				0.864	10.026	37.640		0.000		0.90486		0.0557	0.905
43	Total Tetra-Furans				0.751	10.026	23.610		0.000				0.00885	
44	1st Func. Penta-Furans				0.893	10.026	27.090		0.000				0.00492	
45	Total Penta-Furans				0.893	10.026	29.275		0.000				0.0119	
46	Total Hexa-Furans				0.934	10.026	33.555		0.000		0.059532		0.0173	0.0595
47	Total Hepta-Furans				0.873	10.026	37.835		0.000				0.0240	

Dataset: U:\VG12.PRO\Results\200529R2\200529R2-7.qld

Last Altered: Monday, June 01, 2020 13:01:15 Pacific Daylight Time
 Printed: Monday, June 01, 2020 13:02:11 Pacific Daylight Time

Method: Untitled 26 May 2020 10:34:17

Calibration: U:\VG12.PRO\CurveDB\ldb5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200529R2_7, Date: 29-May-2020, Time: 19:02:41, ID: 2000957-17 PDI-149SC-A-07-08-200425 12.1, Description: PDI-149SC-A-07-08-200425

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
Total Penta-Dioxins	29.77	2.540e3	1.567e3	1.166e2	1.157e2	1.01	YES	0.000e0	0.00000	0.044210	0.0132

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Hexa-Dioxins	33.37	1.153e4	8.100e3	5.022e2	3.627e2	1.38	NO	8.649e2	0.24048	0.24048	0.0598

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Hepta-Dioxins	37.78	1.052e4	1.031e4	7.487e2	6.800e2	1.10	NO	1.429e3	0.55032	0.55032	0.0557
1,2,3,4,6,7,8-HpCDD	38.78	8.095e3	9.014e3	4.506e2	4.698e2	0.96	NO	9.204e2	0.35454	0.35454	0.0557

Tetra-Furans

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

Penta-Furans function 1

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

Dataset: U:\VG12.PRO\Results\200529R2\200529R2-7.qld

Last Altered: Monday, June 01, 2020 13:01:15 Pacific Daylight Time
Printed: Monday, June 01, 2020 13:02:11 Pacific Daylight Time

Name: 200529R2_7, Date: 29-May-2020, Time: 19:02:41, ID: 2000957-17 PDI-149SC-A-07-08-200425 12.1, Description: PDI-149SC-A-07-08-200425

Penta-Furans

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

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DU
1,2,3,7,8,9-HxCDF	35.63	2.175e3	1.880e3	1.117e2	8.478e1	1.32	NO	1.964e2	0.059532	0.059532	0.0253

Hepta-Furans

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

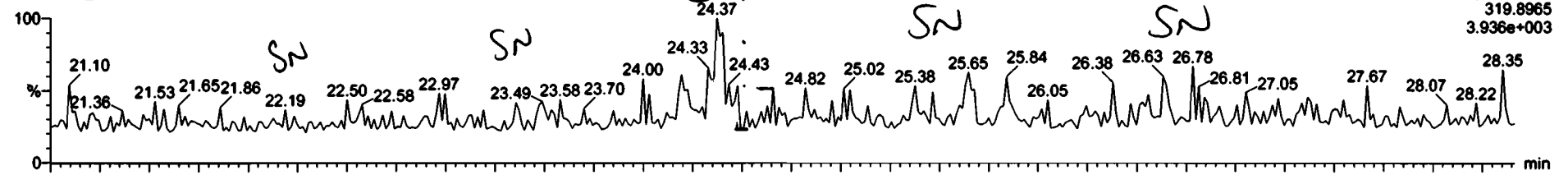
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Last Altered: Monday, June 01, 2020 7:46:05 AM Pacific Daylight Time
Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

Name: 200529R2_7, Date: 29-May-2020, Time: 19:02:41, ID: 2000957-17 PDI-149SC-A-07-08-200425 12.1, Description: PDI-149SC-A-07-08-200425

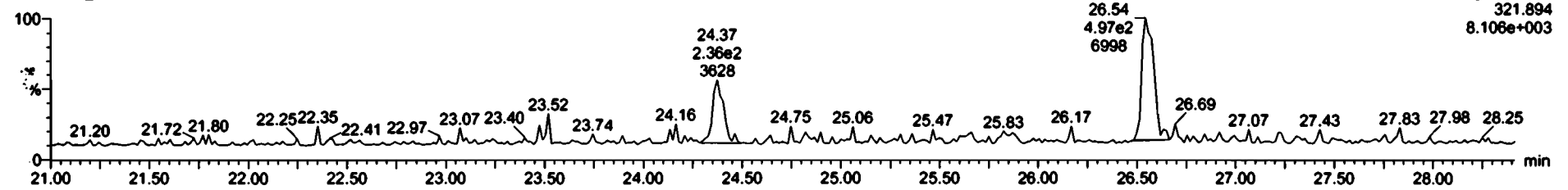
2,3,7,8-TCDD

200529R2_7



F1:Voltage SIR,EI+
319.8965
3.936e+003

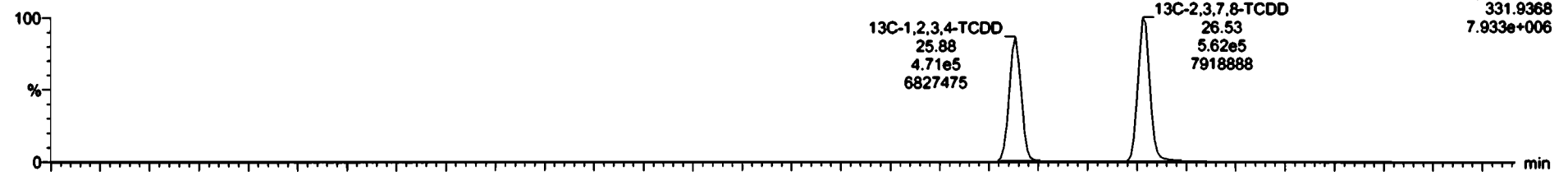
200529R2_7



F1:Voltage SIR,EI+
321.894
8.106e+003

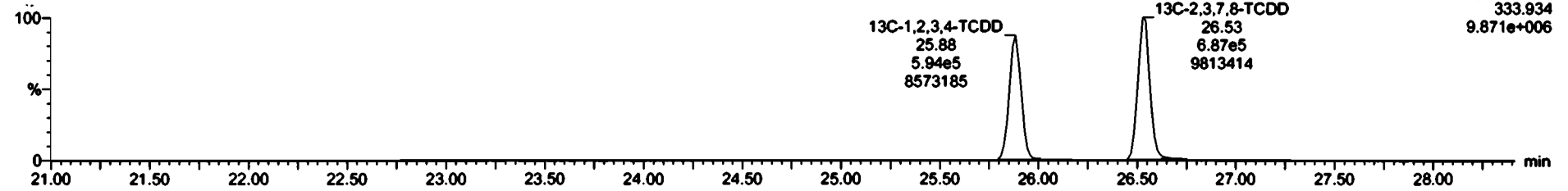
13C-2,3,7,8-TCDD

200529R2_7



F1:Voltage SIR,EI+
331.9368
7.933e+006

200529R2_7



F1:Voltage SIR,EI+
333.934
9.871e+006

Dataset: Untitled

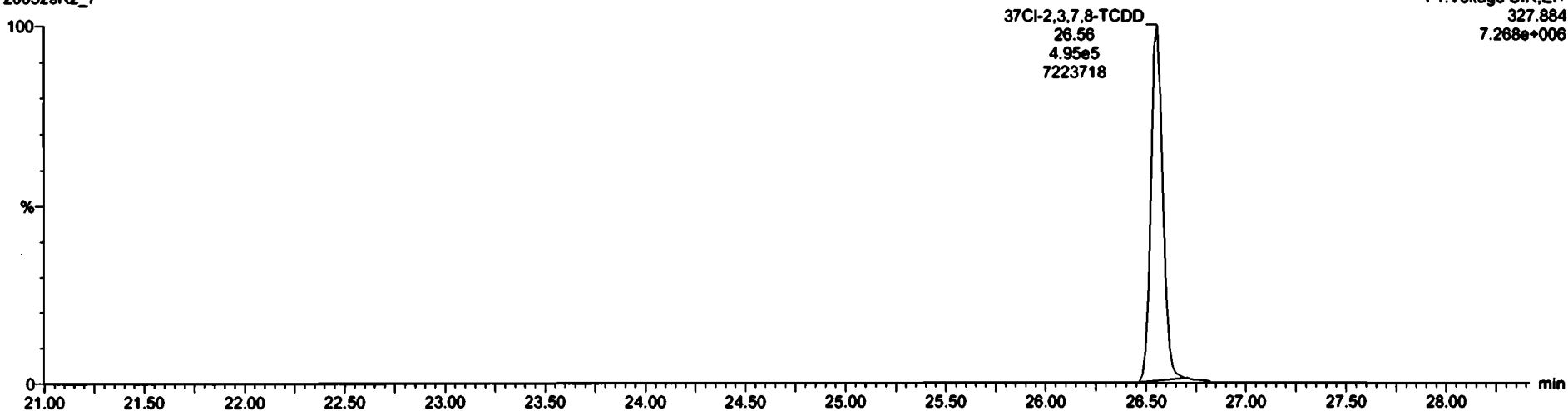
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37Cl-2,3,7,8-TCDD

200529R2_7

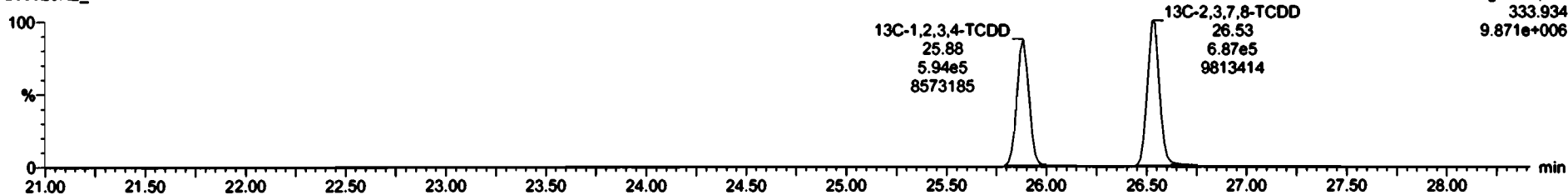


13C-1,2,3,4-TCDD

200529R2_7



200529R2_7



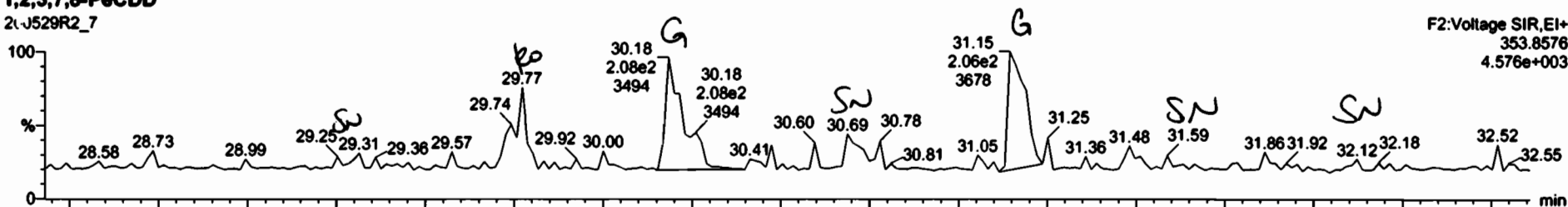
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Name: 200529R2_7, Date: 29-May-2020, Time: 19:02:41, ID: 2000957-17 PDI-149SC-A-07-08-200425 12.1, Description: PDI-149SC-A-07-08-200425

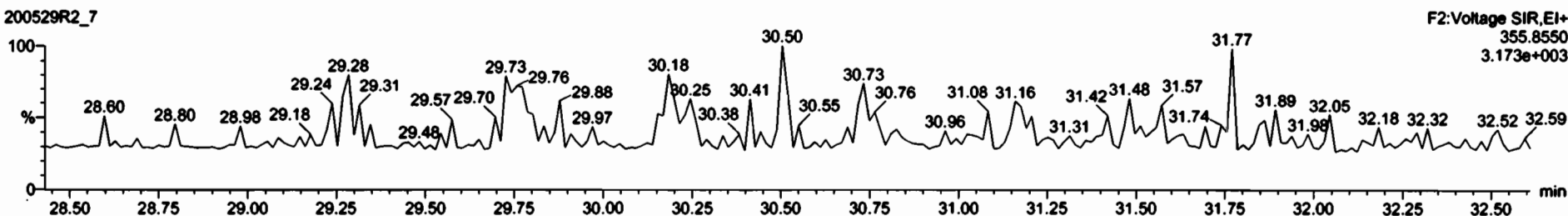
1,2,3,7,8-PeCDD

200529R2_7



F2:Voltage SIR,EI+
353.8576
4.576e+003

200529R2_7



F2:Voltage SIR,EI+
355.8550
3.173e+003

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

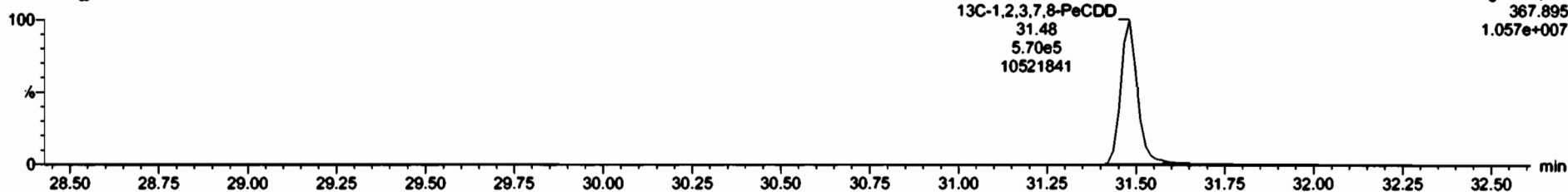
200529R2_7



13C-1,2,3,7,8-PeCDD
31.48
3.67e5
6671020

F2:Voltage SIR,EI+
365.8978
6.699e+006

200529R2_7

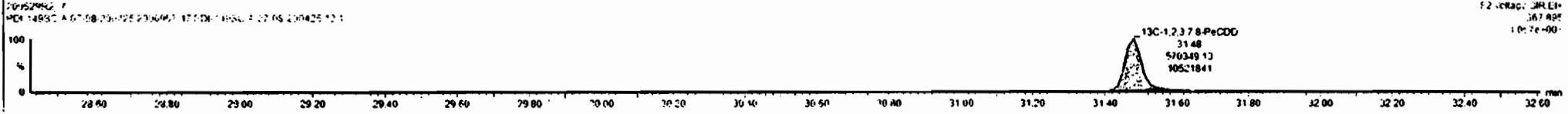
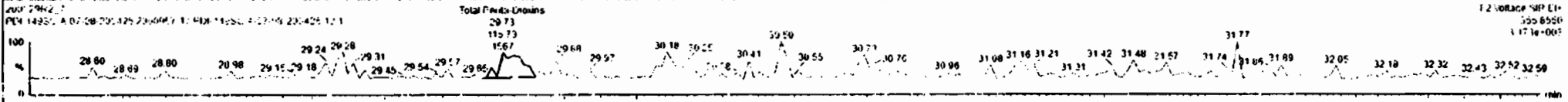
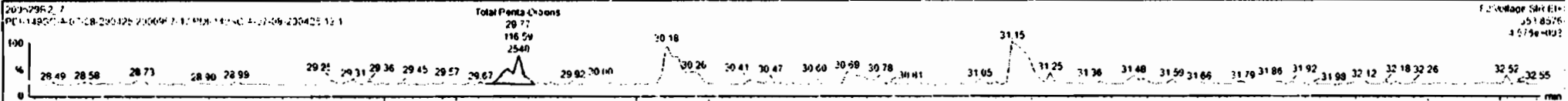


13C-1,2,3,7,8-PeCDD
31.48
5.70e5
10521841

F2:Voltage SIR,EI+
367.895
1.057e+007

Name	Resp	RA	ay	RF	val	RT	PR	Conc	%Rec	UL	EMPC
Total Tetra-Chloro				0.0003	10.024					0.0192	
Total Hexa-Chloro				0.0007	10.024					0.0192	

Name	RT	ori Resp	ori Conc	RA	ay	EMPC	Conc.
Total Penta-Chloro	29.77	1.194e2	1.157e2	1.01	1.75	0.000718	0.000001



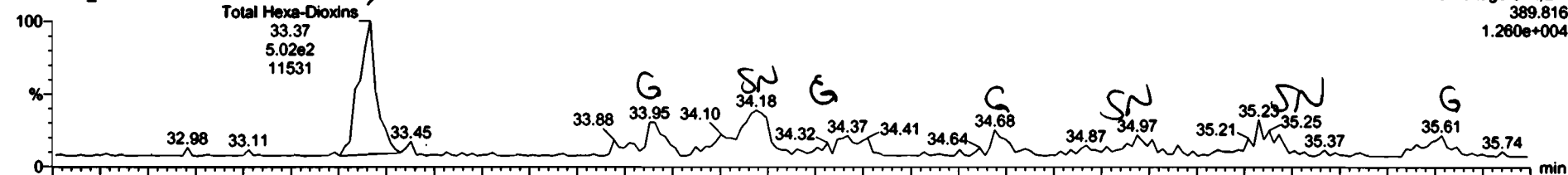
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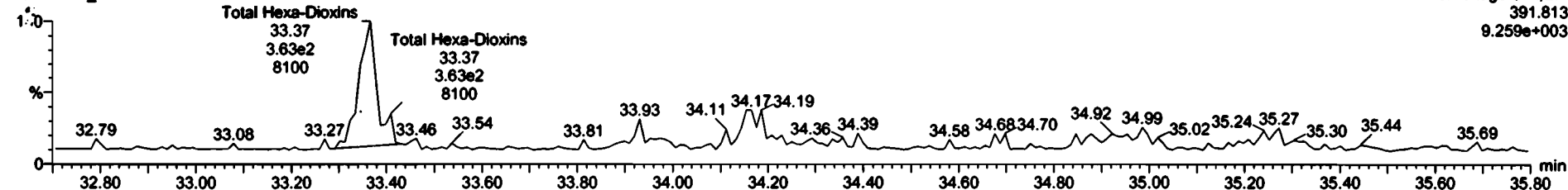
Name: 200529R2_7, Date: 29-May-2020, Time: 19:02:41, ID: 2000957-17 PDI-149SC-A-07-08-200425 12.1, Description: PDI-149SC-A-07-08-200425

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

200529R2_7



200529R2_7

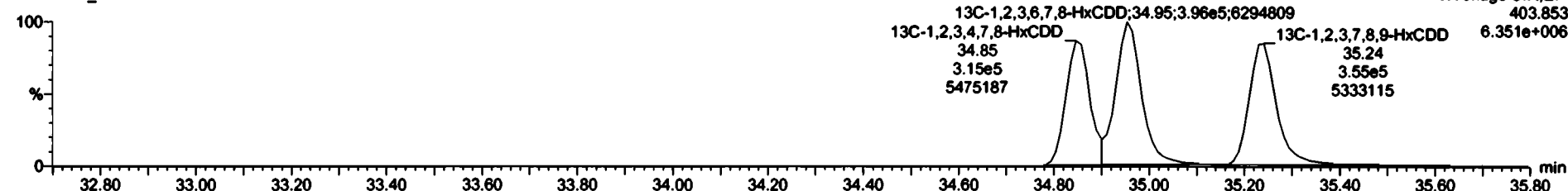


13C-1,2,3,4,7,8-HxCDD

200529R2_7



200529R2_7



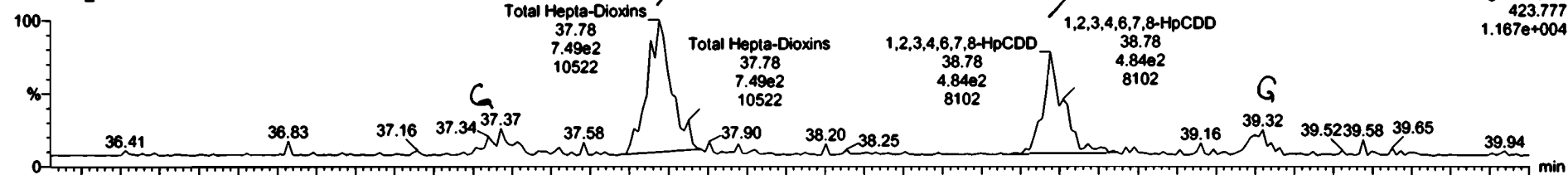
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Name: 200529R2_7, Date: 29-May-2020, Time: 19:02:41, ID: 2000957-17 PDI-149SC-A-07-08-200425 12.1, Description: PDI-149SC-A-07-08-200425

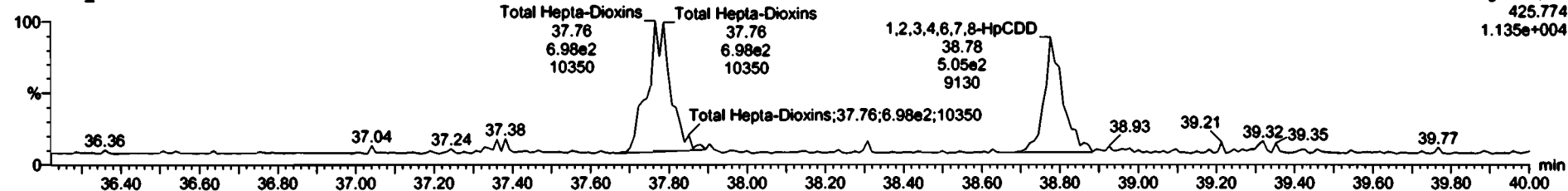
1,2,3,4,6,7,8-HpCDD

200529R2_7



F4:Voltage SIR,EI+
423.777
1.167e+004

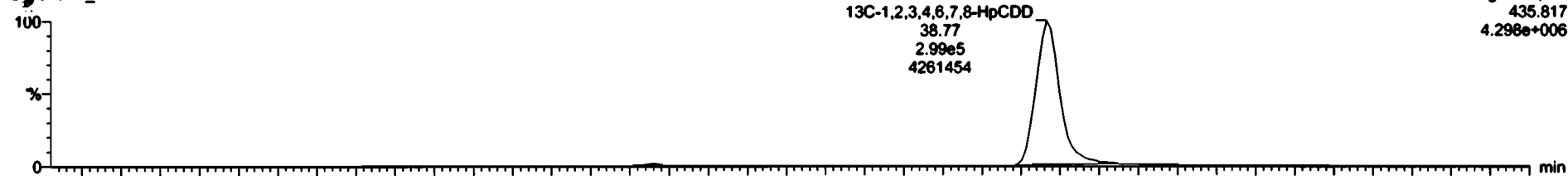
200529R2_7



F4:Voltage SIR,EI+
425.774
1.135e+004

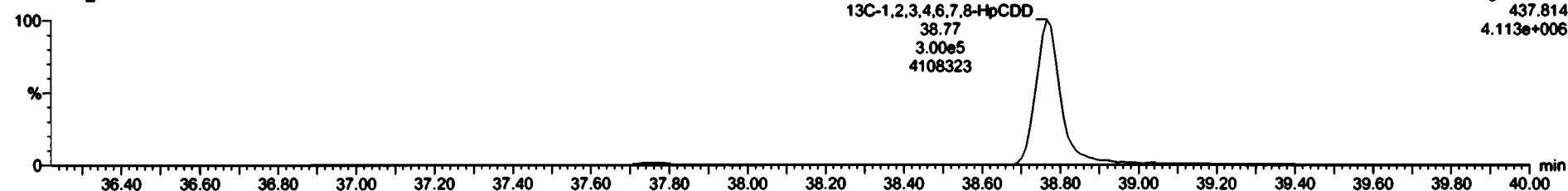
13C-1,2,3,4,6,7,8-HpCDD

200529R2_7



F4:Voltage SIR,EI+
435.817
4.298e+006

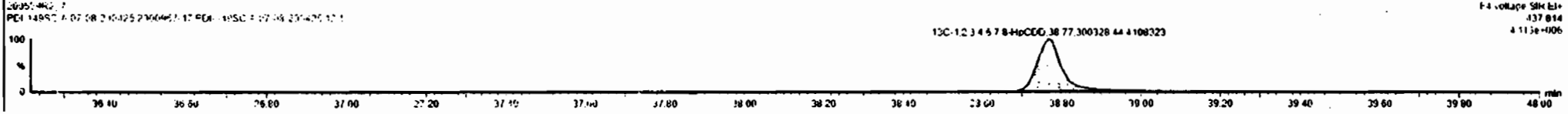
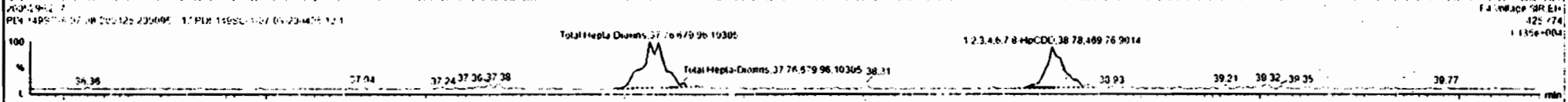
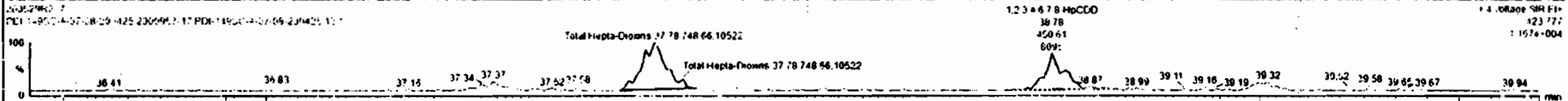
200529R2_7



F4:Voltage SIR,EI+
437.814
4.113e+006

Name	Resp	MA	My	RFI	WtWt	IT	RET	Conc	%Rec	LN	ENFC
Total Hepta-Chrome	0.0000	10.000			10.000			0.240	0.0596	0.140	
Total Hepta-Chrome	0.0000	10.000			10.000			0.000	0.0000	0.000	

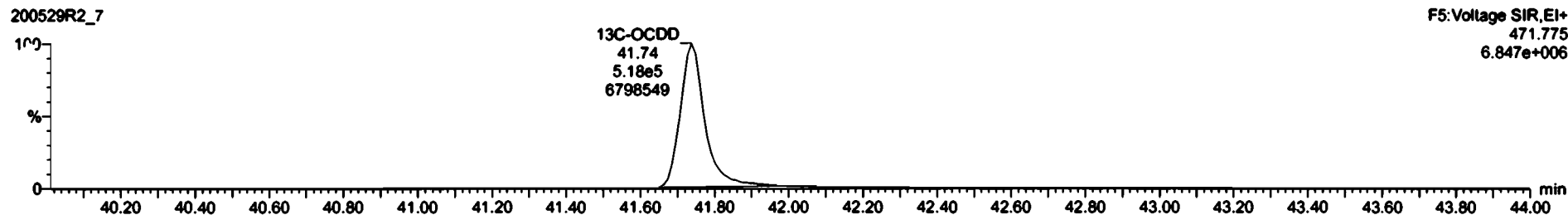
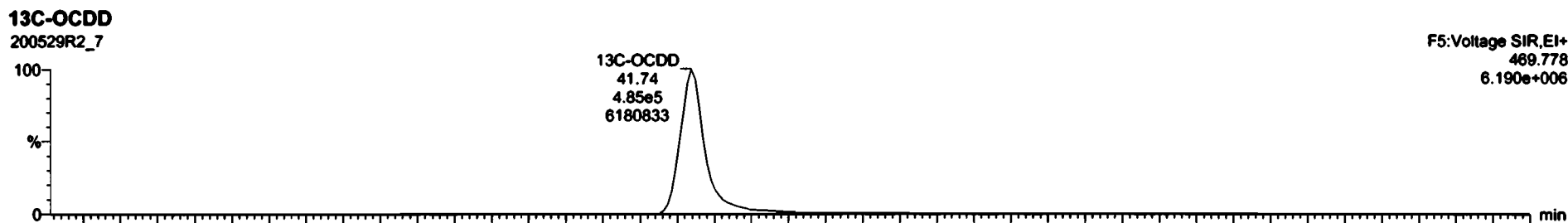
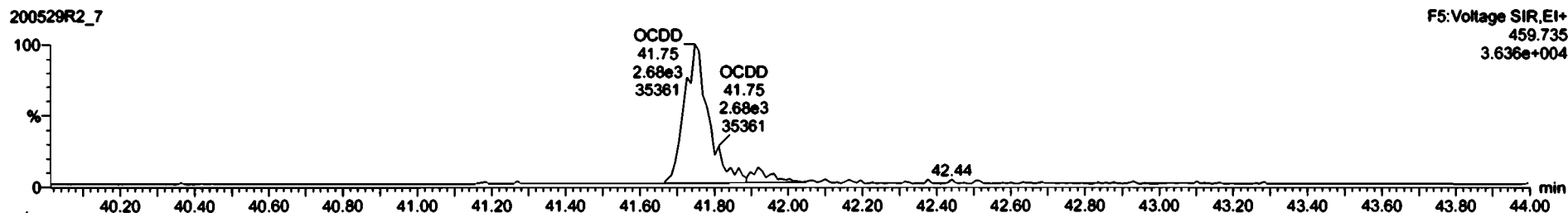
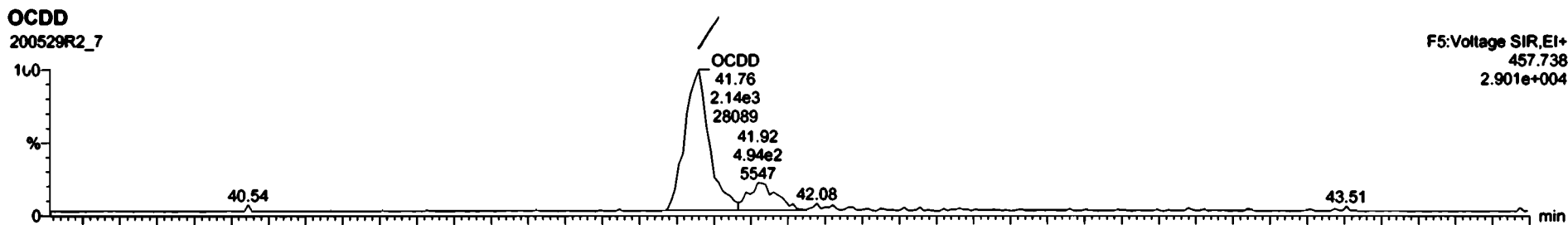
Name	RT	Int Resp	Ext Resp	MA	My	RFI	Conc
Total Hepta-Chrome	37.76	7.427e2	6.600e2	10	10	0.0000	0.4500
1,2,3,4,6,7,8-HpCDD	38.78	4.06e2	4.499e2	10	10	0.0000	0.5454

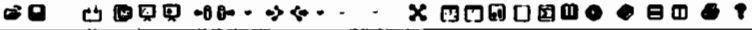


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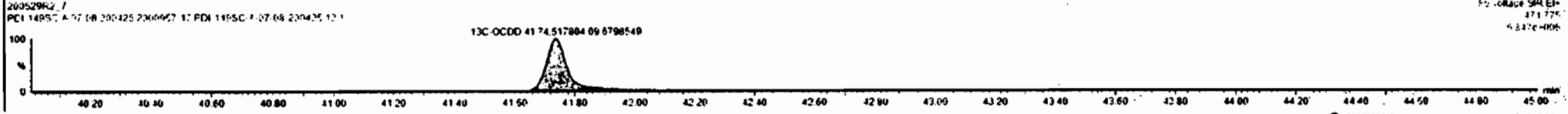
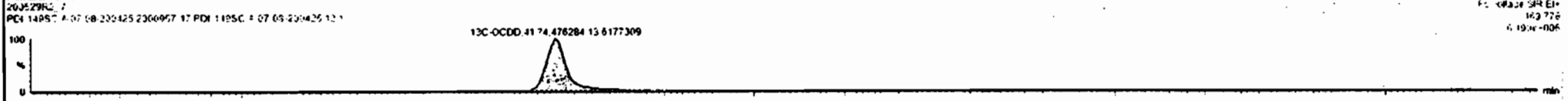
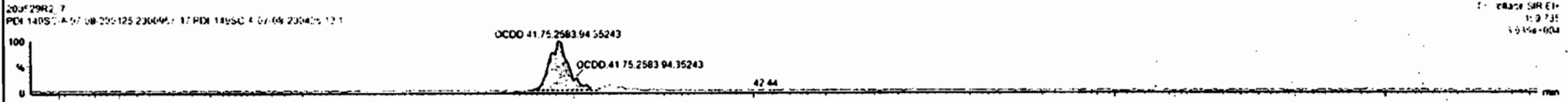
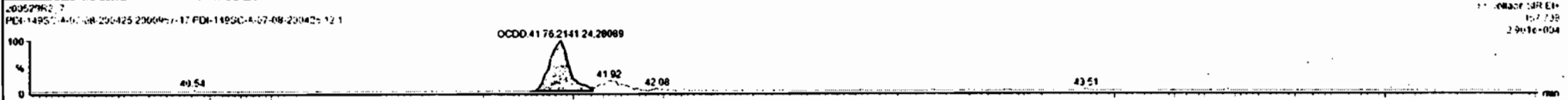
Name: 200529R2_7, Date: 29-May-2020, Time: 19:02:41, ID: 2000957-17 PDI-149SC-A-07-08-200425 12.1, Description: PDI-149SC-A-07-08-200425





SI	Name	Resp	RA	ay	RF	Wt%	RT	RRT	Conc	%Rec	CL	EMPC
7	OCDD	4.72e3	0.00	0.00	0.00	0.00	41.75	1.00	0.00	0.00	0.00	0.00
8	OCDD	0.00	0.00	0.00	0.00	0.00	41.75	1.00	0.00	0.00	0.00	0.00

SI	Name	RT	wt Resp	wt Conc	RA	ay	EMPC	Conc
1								



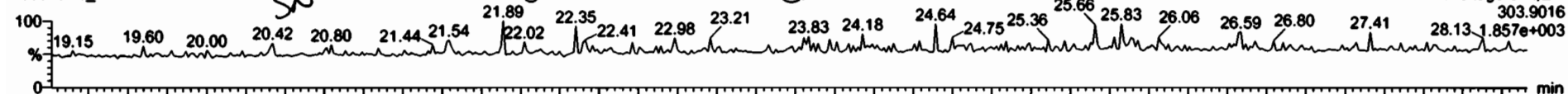
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Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

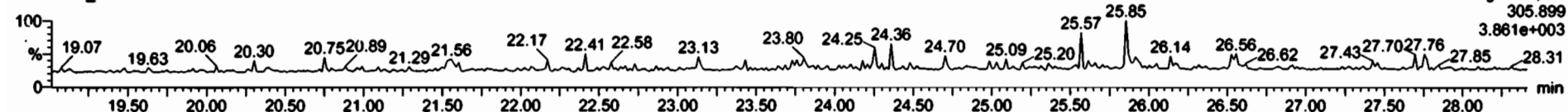
Name: 200529R2_7, Date: 29-May-2020, Time: 19:02:41, ID: 2000957-17 PDI-149SC-A-07-08-200425 12.1, Description: PDI-149SC-A-07-08-200425

2,3,7,8-TCDF

200529R2_7



200529R2_7

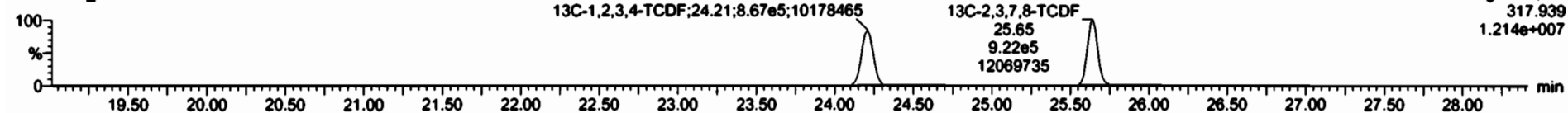


13C-2,3,7,8-TCDF

200529R2_7

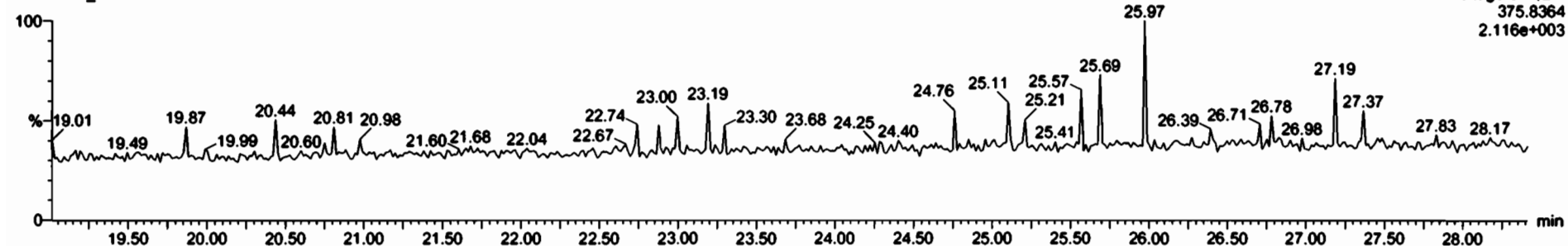


200529R2_7



DPE1

200529R2_7



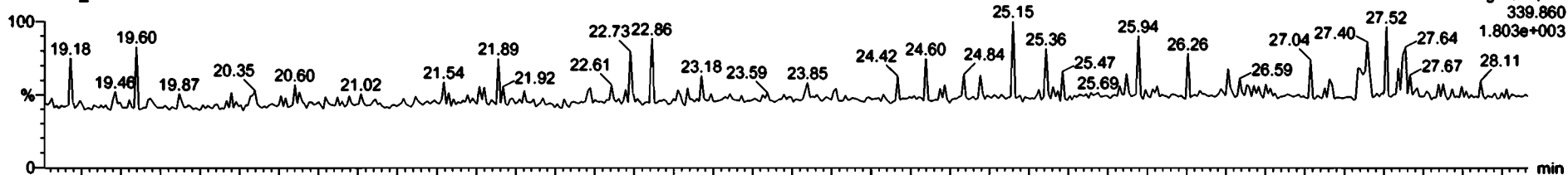
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Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

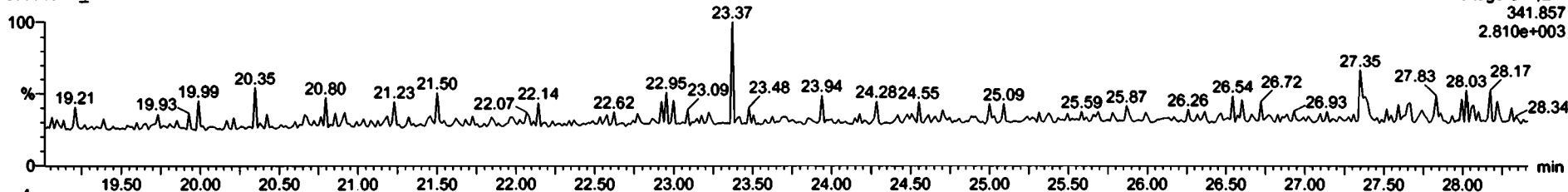
Name: 200529R2_7, Date: 29-May-2020, Time: 19:02:41, ID: 2000957-17 PDI-149SC-A-07-08-200425 12.1, Description: PDI-149SC-A-07-08-200425

1st Func. Penta-Furans

200529R2_7

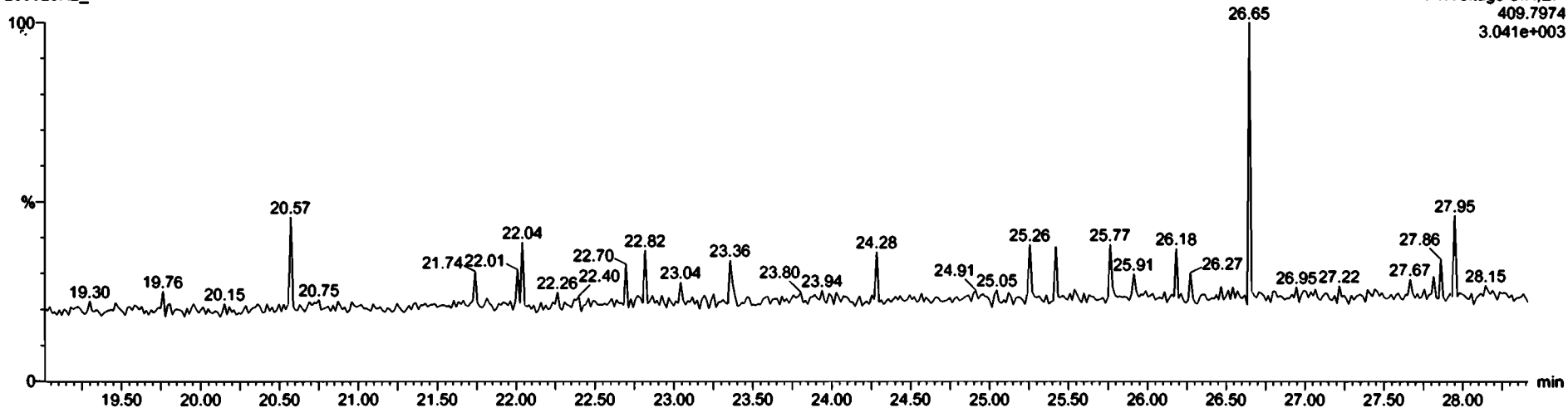


200529R2_7



DPE6

200529R2_7

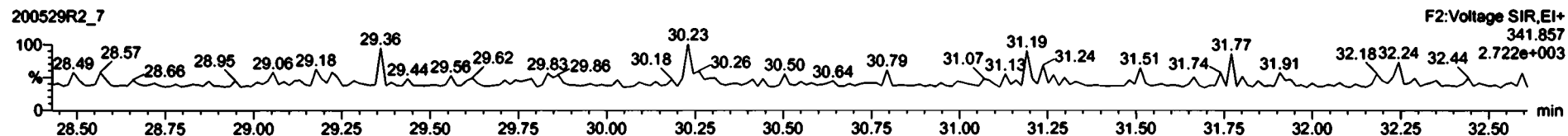
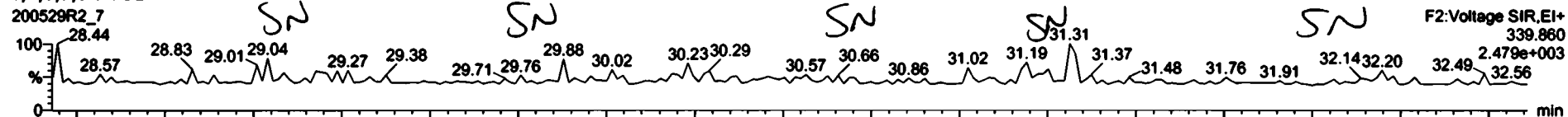


Dataset: Untitled

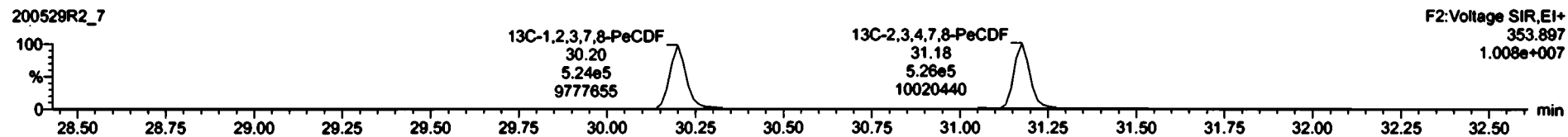
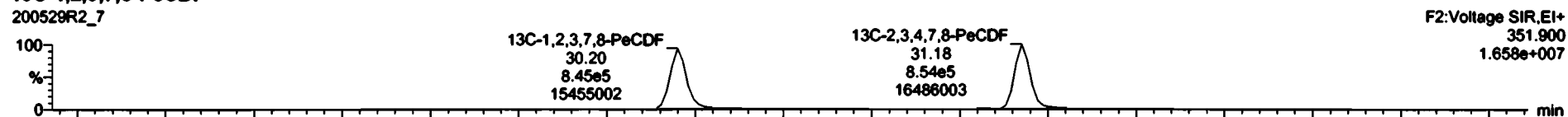
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Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

Name: 200529R2_7, Date: 29-May-2020, Time: 19:02:41, ID: 2000957-17 PDI-149SC-A-07-08-200425 12.1, Description: PDI-149SC-A-07-08-200425

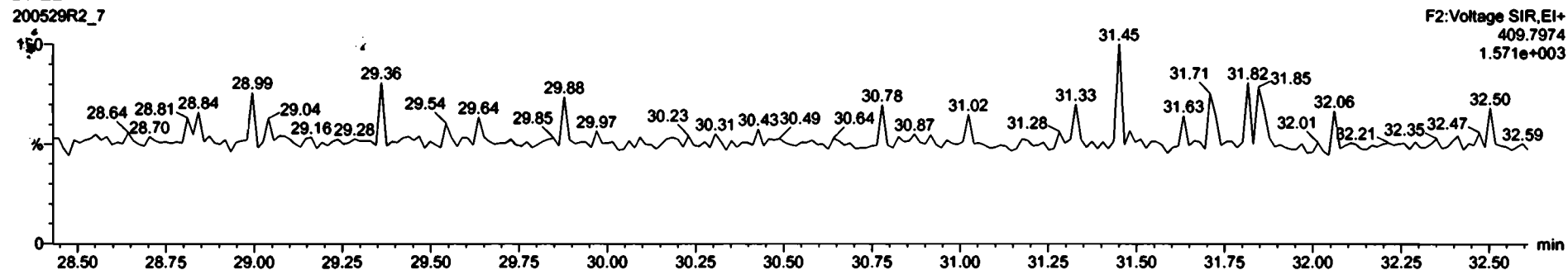
1,2,3,7,8-PeCDF



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



DPE2

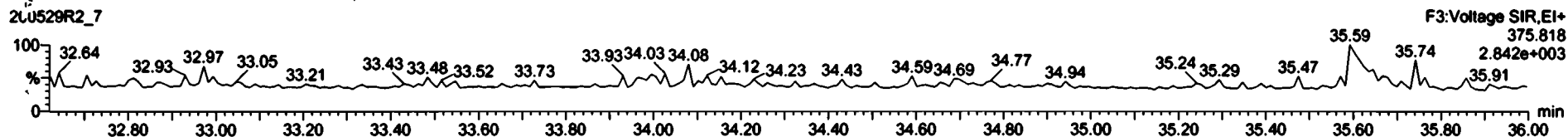
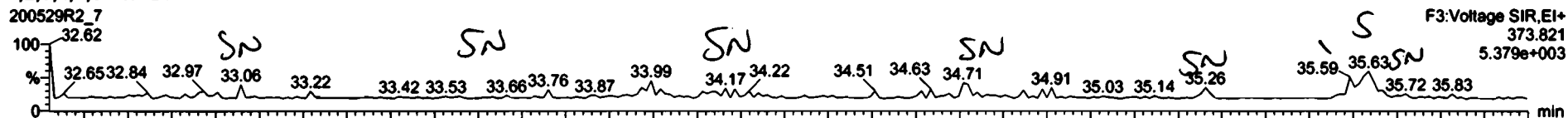


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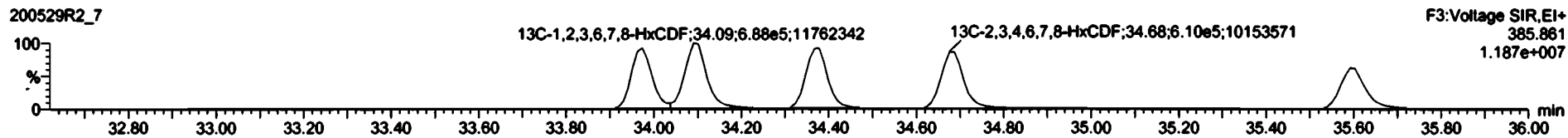
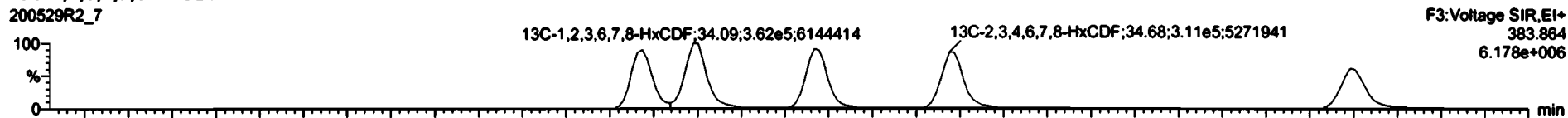
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Name: 200529R2_7, Date: 29-May-2020, Time: 19:02:41, ID: 2000957-17 PDI-149SC-A-07-08-200425 12.1, Description: PDI-149SC-A-07-08-200425

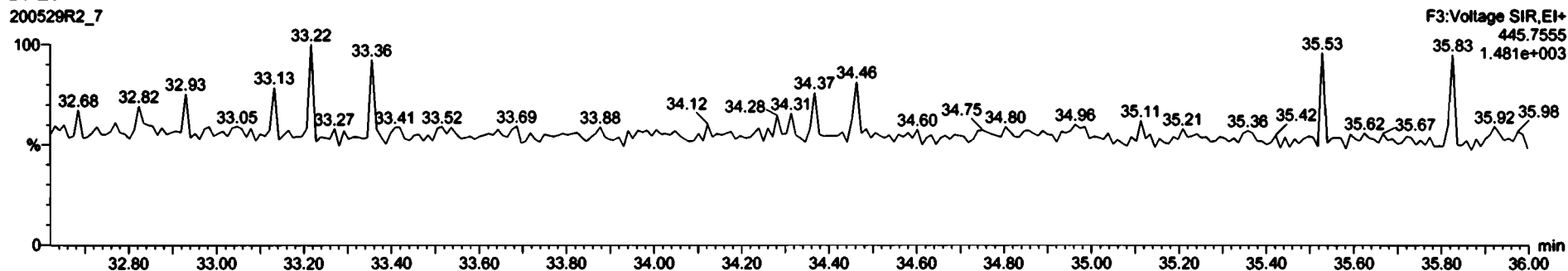
1,2,3,4,7,8-HxCDF

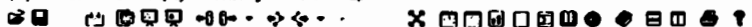


13C-1,2,3,4,7,8-HxCDF



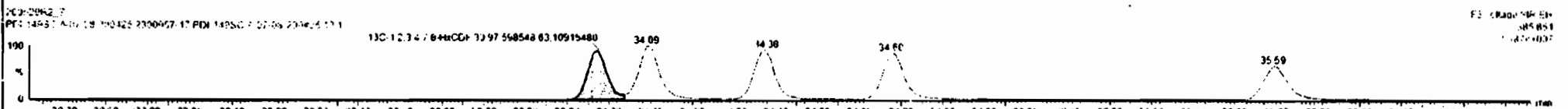
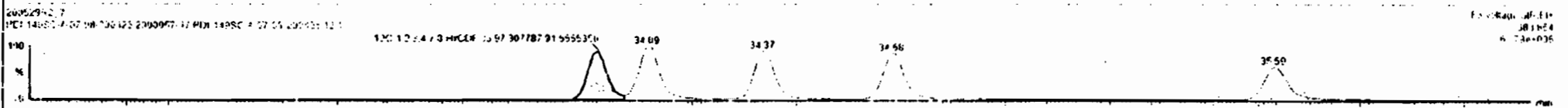
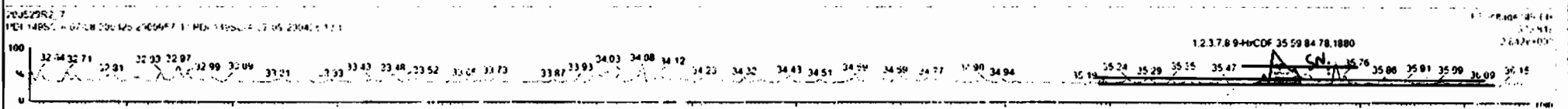
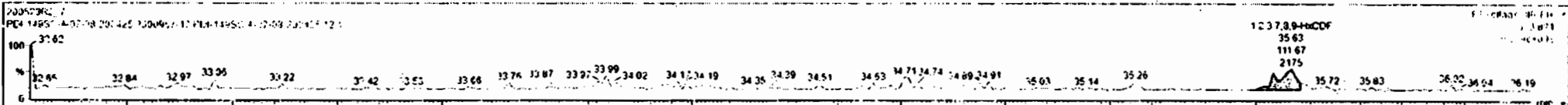
DPE3





Name	Resp	RA	Qty	HRF	W/HW	Q1	BRT	Conc	MG	DL	EMPC
Total Para-Forma	0.0525	11.025						0.0112			
Total Resin-Forma	0.0408	10.800						0.0075			

Name	RT	wt Resp	mg Resp	RA	Qty	EMPC	Conc
1.2.3.7.8.9-HrCDF	35.62	1.117e2	8.475e1	1.22	NG	0.059e-2	0.059e-2



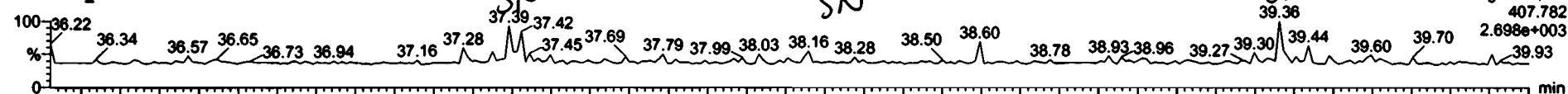
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Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

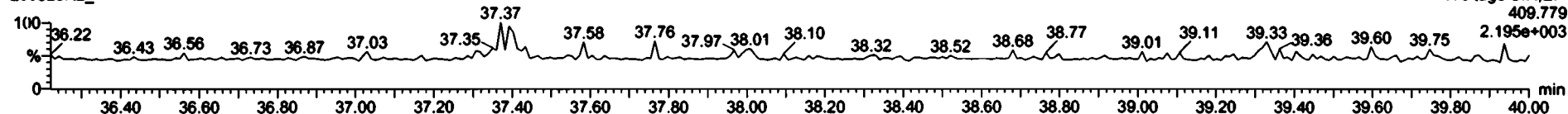
Name: 200529R2_7, Date: 29-May-2020, Time: 19:02:41, ID: 2000957-17 PDI-149SC-A-07-08-200425 12.1, Description: PDI-149SC-A-07-08-200425

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

200529R2_7



200529R2_7

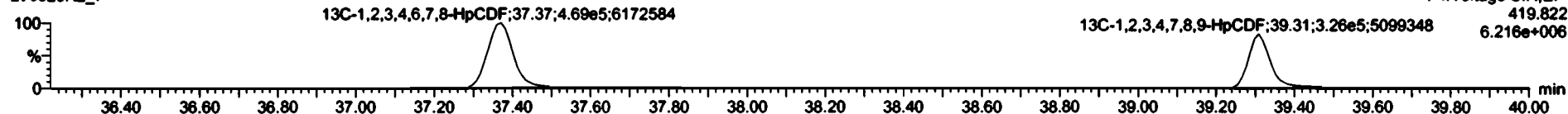


13C-1,2,3,4,6,7,8-HpCDF

200529R2_7

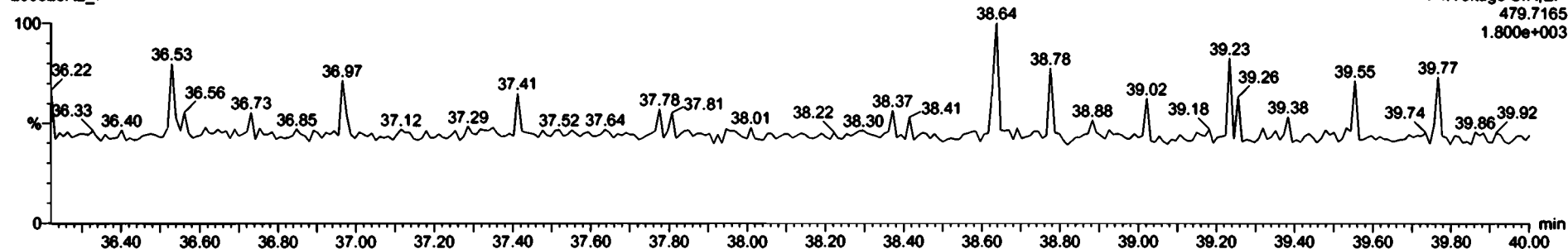


200529R2_7



DPE4

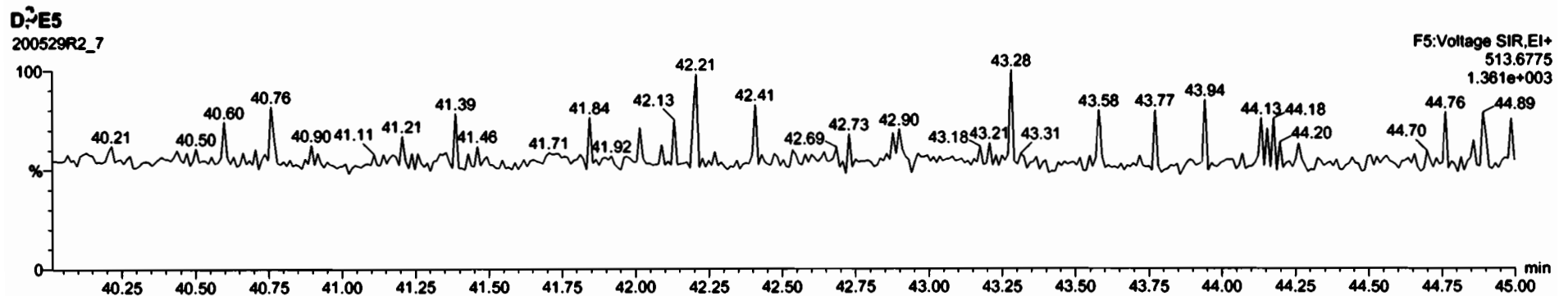
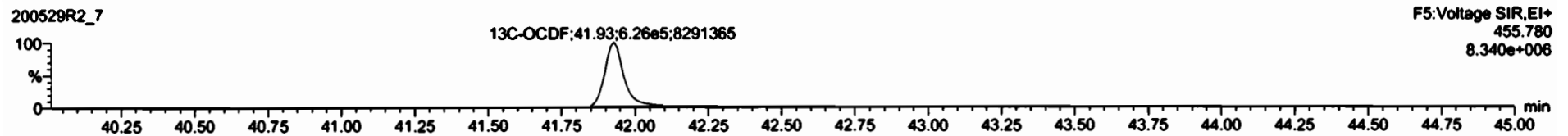
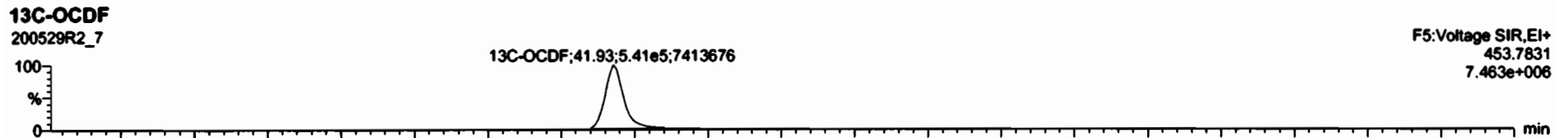
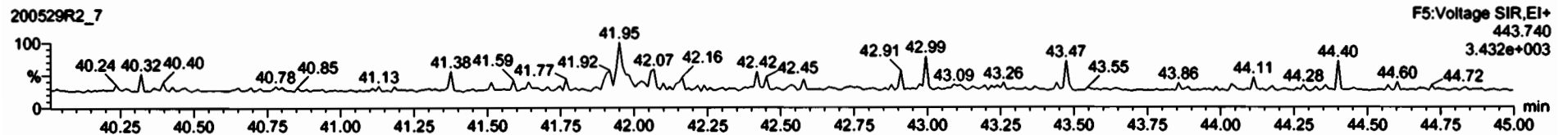
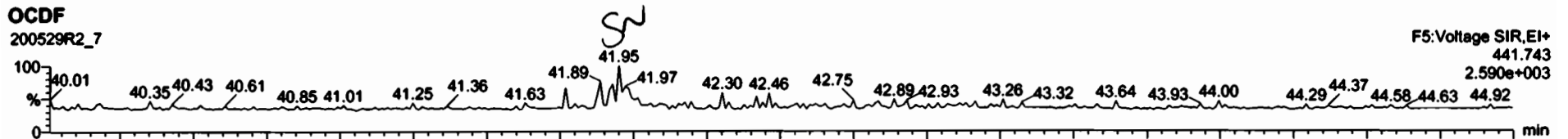
200529R2_7



Dataset: Untitled

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Name: 200529R2_7, Date: 29-May-2020, Time: 19:02:41, ID: 2000957-17 PDI-149SC-A-07-08-200425 12.1, Description: PDI-149SC-A-07-08-200425



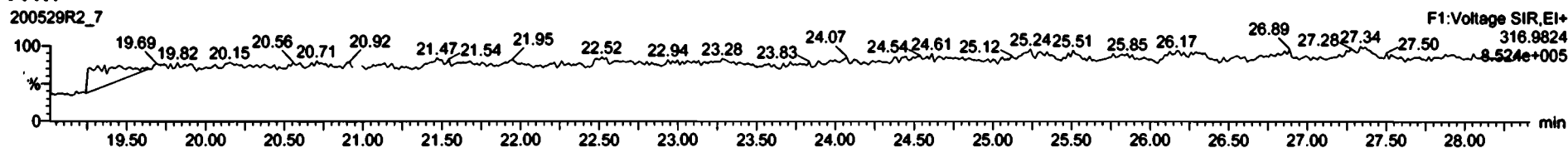
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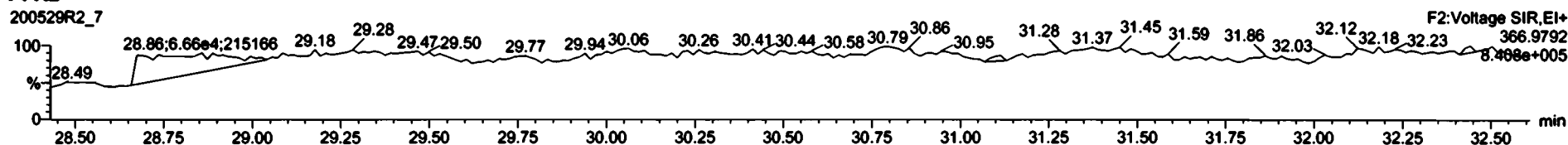
Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

Name: 200529R2_7, Date: 29-May-2020, Time: 19:02:41, ID: 2000957-17 PDI-149SC-A-07-08-200425 12.1, Description: PDI-149SC-A-07-08-200425

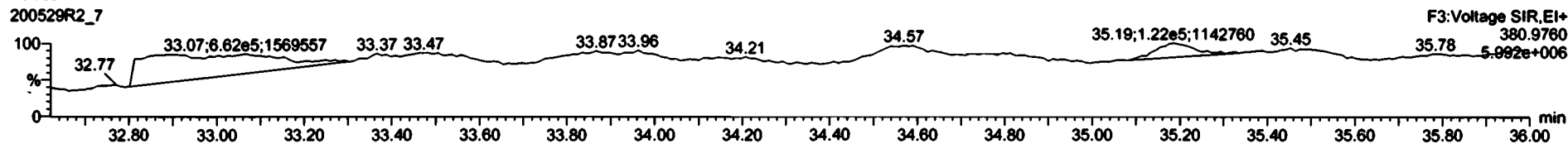
PFK1



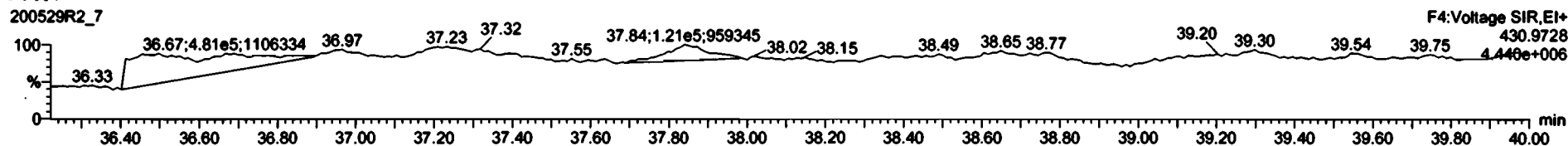
PFK2



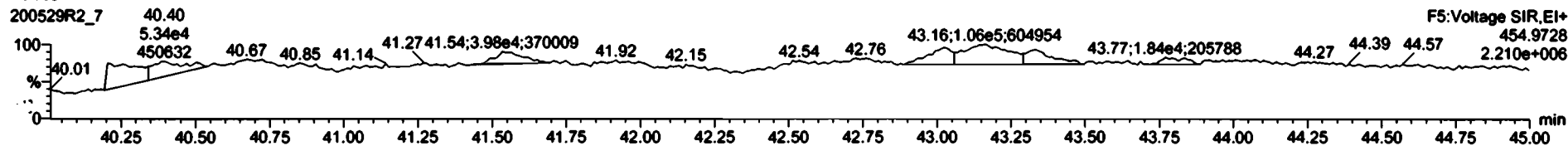
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200529R2\200529R2-8.qld

Last Altered: Monday, June 01, 2020 13:13:31 Pacific Daylight Time
Printed: Monday, June 01, 2020 13:14:09 Pacific Daylight Time

GRS 06/01/2020

L106/02/2020

Method: Untitled 26 May 2020 10:34:17

Calibration: U:\VG12.PRO\CurveDB\lb5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200529R2_8, Date: 29-May-2020, Time: 19:48:52, ID: 2000957-18 PDI-149SC-A-08-09-200425 10.86, Description: PDI-149SC-A-08-09-200425

#	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	0.888	10.059	26.576		1.001				0.0416	
2	1,2,3,7,8-PeCDD			NO	0.908	10.059	31.503		1.001				0.0535	
3	1,2,3,4,7,8-HxCDD			NO	1.03	10.059	34.867		1.000				0.0509	
4	1,2,3,6,7,8-HxCDD			NO	0.892	10.059	34.953		1.000				0.0504	
5	1,2,3,7,8,9-HxCDD			NO	0.887	10.059	35.252		1.000				0.0565	
6	1,2,3,4,6,7,8-HpCDD	6.25e2	1.10	NO	0.864	10.059	38.789	38.79	1.000	1.000	0.25853		0.0642	0.259
7	OCDD	3.28e3	0.92	NO	0.914	10.059	41.748	41.76	1.000	1.000	1.5048		0.0699	1.50
8	2,3,7,8-TCDF			NO	0.751	10.059	25.672		1.001				0.0225	
9	1,2,3,7,8-PeCDF			NO	0.893	10.059	30.220		1.001				0.0208	
10	2,3,4,7,8-PeCDF			NO	0.935	10.059	31.207		1.001				0.0193	
11	1,2,3,4,7,8-HxCDF			NO	0.884	10.059	33.973		1.000				0.0328	
12	1,2,3,6,7,8-HxCDF			NO	0.889	10.059	34.111		1.000				0.0308	
13	2,3,4,6,7,8-HxCDF			NO	0.934	10.059	34.722		1.001				0.0328	
14	1,2,3,7,8,9-HxCDF	2.08e2	1.05	YES	0.871	10.059	35.603	35.60	1.000	1.000	0.064458		0.0320	0.0596
15	1,2,3,4,6,7,8-HpCDF			NO	0.873	10.059	37.408		1.001				0.0414	
16	1,2,3,4,7,8,9-HpCDF			NO	1.01	10.059	39.320		1.000				0.0455	
17	OCDF			NO	0.806	10.059	41.940		1.000				0.0558	
18	13C-2,3,7,8-TCDD	1.16e6	0.79	NO	1.16	10.059	26.568	26.54	1.026	1.025	191.68	96.4	0.155	
19	13C-1,2,3,7,8-PeCDD	8.77e5	0.64	NO	0.849	10.059	31.766	31.48	1.227	1.216	196.87	99.0	0.231	
20	13C-1,2,3,4,7,8-HxCDD	6.68e5	1.28	NO	0.779	10.059	34.863	34.86	1.014	1.014	186.28	93.7	0.358	
21	13C-1,2,3,6,7,8-HxCDD	8.64e5	1.30	NO	1.02	10.059	34.976	34.95	1.017	1.017	184.69	92.9	0.274	
22	13C-1,2,3,7,8,9-HxCDD	7.98e5	1.24	NO	0.903	10.059	35.248	35.24	1.025	1.025	192.02	96.6	0.309	
23	13C-1,2,3,4,6,7,8-HpCDD	5.56e5	1.04	NO	0.689	10.059	38.775	38.78	1.128	1.128	175.39	88.2	0.357	
24	13C-OCDD	9.47e5	0.90	NO	0.652	10.059	41.800	41.75	1.216	1.214	315.72	79.4	0.483	
25	13C-2,3,7,8-TCDF	1.50e6	0.78	NO	1.06	10.059	25.608	25.65	0.989	0.991	187.87	94.5	0.250	
26	13C-1,2,3,7,8-PeCDF	1.29e6	1.61	NO	0.838	10.059	30.146	30.20	1.165	1.167	204.41	103	0.389	
27	13C-2,3,4,7,8-PeCDF	1.26e6	1.60	NO	0.817	10.059	31.101	31.18	1.202	1.204	203.77	102	0.400	
28	13C-1,2,3,4,7,8-HxCDF	8.42e5	0.51	NO	1.01	10.059	33.993	33.97	0.989	0.988	181.53	91.3	0.418	
29	13C-1,2,3,6,7,8-HxCDF	9.83e5	0.52	NO	1.17	10.059	34.117	34.10	0.992	0.992	183.11	92.1	0.361	
30	13C-2,3,4,6,7,8-HxCDF	8.69e5	0.50	NO	1.02	10.059	34.691	34.69	1.009	1.009	184.86	93.0	0.412	
31	13C-1,2,3,7,8,9-HxCDF	7.38e5	0.53	NO	0.860	10.059	35.592	35.60	1.035	1.036	186.65	93.9	0.490	

Dataset: U:\VG12.PRO\Results\200529R2\200529R2-8.qld

Last Altered: Monday, June 01, 2020 13:13:31 Pacific Daylight Time
Printed: Monday, June 01, 2020 13:14:09 Pacific Daylight Time

Name: 200529R2_8, Date: 29-May-2020, Time: 19:48:52, ID: 2000957-18 PDI-149SC-A-08-09-200425 10.86, Description: PDI-149SC-A-08-09-200425

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Comp	Area	DL	Emp
32	13C-1,2,3,4,6,7,8-HpCDF	6.48e5	0.43	NO	0.774	10.059	37.341	37.37	1.086	1.087	181.82	91.4	0.330	
33	13C-1,2,3,4,7,8,9-HpCDF	4.24e5	0.43	NO	0.521	10.059	39.373	39.32	1.145	1.144	176.90	89.0	0.490	
34	13C-OCDF	1.17e6	0.87	NO	0.746	10.059	41.972	41.94	1.221	1.220	340.62	85.7	0.435	
35	37Cl-2,3,7,8-TCDD	4.89e5			1.04	10.059	26.599	26.56	1.028	1.028	89.894	113	0.0385	
36	13C-1,2,3,4-TCDD	1.04e6	0.81	NO	1.00	10.059	25.890	25.89	1.000	1.000	198.82	100	0.179	
37	13C-1,2,3,4-TCDF	1.50e6	0.79	NO	1.00	10.059	24.360	24.21	1.000	1.000	198.82	100	0.265	
38	13C-1,2,3,4,6,9-HxCDF	9.15e5	0.51	NO	1.00	10.059	34.420	34.38	1.000	1.000	198.82	100	0.421	
39	Total Tetra-Dioxins				0.888	10.059	24.620		0.000		0.089879		0.0243	0.0899
40	Total Penta-Dioxins				0.908	10.059	29.960		0.000		0.043370		0.0248	0.0434
41	Total Hexa-Dioxins				0.892	10.059	33.635		0.000		0.24879		0.0548	0.249
42	Total Hepta-Dioxins				0.864	10.059	37.640		0.000		0.70509		0.0642	0.705
43	Total Tetra-Furans				0.751	10.059	23.610		0.000				0.00958	
44	1st Func. Penta-Furans				0.893	10.059	27.090		0.000				0.00456	
45	Total Penta-Furans				0.893	10.059	29.275		0.000				0.0101	
46	Total Hexa-Furans				0.934	10.059	33.555		0.000		0.00000		0.0220	0.0596
47	Total Hepta-Furans				0.873	10.059	37.835		0.000				0.0274	

Dataset: U:\VG12.PRO\Results\200529R2\200529R2-8.qld

Last Altered: Monday, June 01, 2020 13:13:31 Pacific Daylight Time
 Printed: Monday, June 01, 2020 13:14:09 Pacific Daylight Time

Method: Untitled 26 May 2020 10:34:17
 Calibration: U:\VG12.PRO\CurveDB\ldb5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200529R2_8, Date: 29-May-2020, Time: 19:48:52, ID: 2000957-18 PDI-149SC-A-08-09-200425 10.86, Description: PDI-149SC-A-08-09-200425

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Tetra-Dioxins	24.37	3.675e3	3.222e3	1.997e2	2.676e2	0.75	NO	4.673e2	0.089879	0.089879	0.0243

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Penta-Dioxins	29.76	1.574e3	4.244e3	6.209e1	1.117e2	0.56	NO	1.738e2	0.043370	0.043370	0.0248

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Hexa-Dioxins	33.36	1.046e4	8.585e3	4.650e2	4.019e2	1.16	NO	8.669e2	0.24879	0.24879	0.0548

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Hepta-Dioxins	37.78	8.838e3	8.410e3	5.069e2	5.723e2	0.89	NO	1.079e3	0.44656	0.44656	0.0642
1,2,3,4,6,7,8-HpCDD	38.79	6.055e3	4.204e3	3.274e2	2.974e2	1.10	NO	6.248e2	0.25853	0.25853	0.0642

Tetra-Furans

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

Penta-Furans function 1

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

Dataset: U:\VG12.PRO\Results\200529R2\200529R2-8.qld

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Printed: Monday, June 01, 2020 13:14:09 Pacific Daylight Time

Name: 200529R2_8, Date: 29-May-2020, Time: 19:48:52, ID: 2000957-18 PDI-149SC-A-08-09-200425 10.86, Description: PDI-149SC-A-08-09-200425

Penta-Furans

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

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1,2,3,7,8,9-HxCDF	35.60	2.871e3	3.123e3	1.066e2	1.017e2	1.05	YES	2.084e2	0.00000	0.059588	0.0320

Hepta-Furans

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

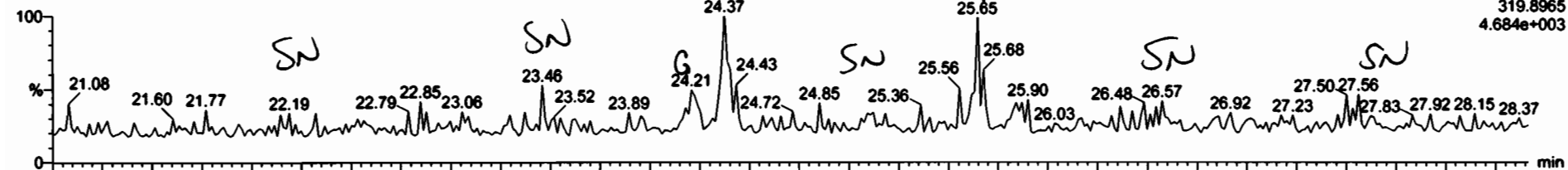
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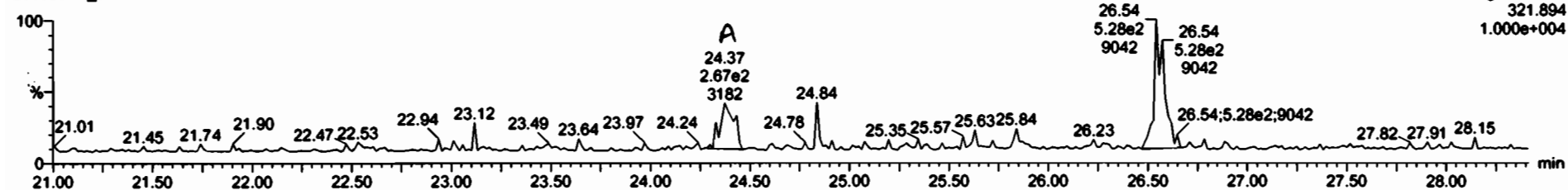
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2,3,7,8-TCDD

200529R2_8



200529R2_8

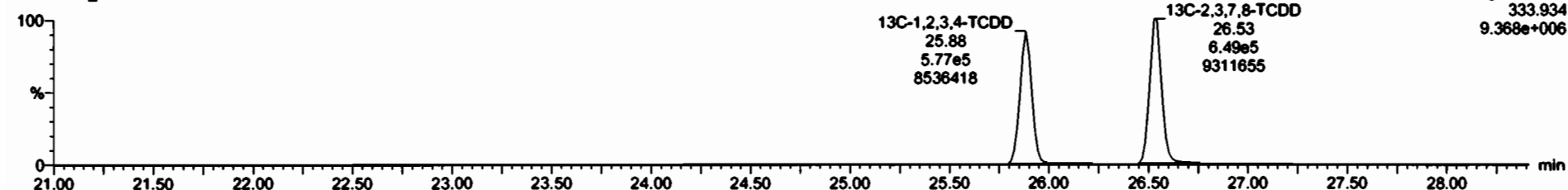


13C-2,3,7,8-TCDD

200529R2_8

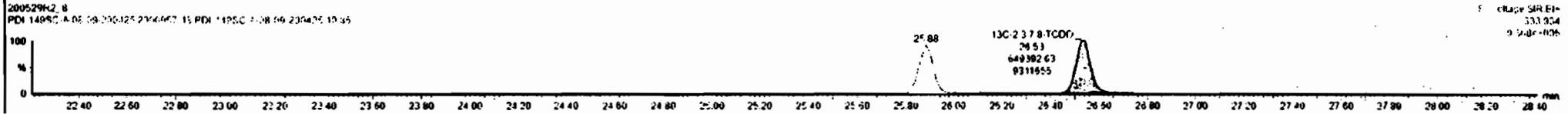
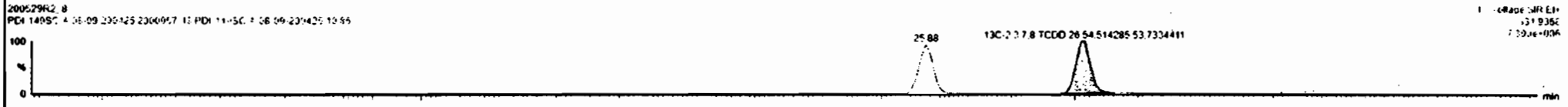
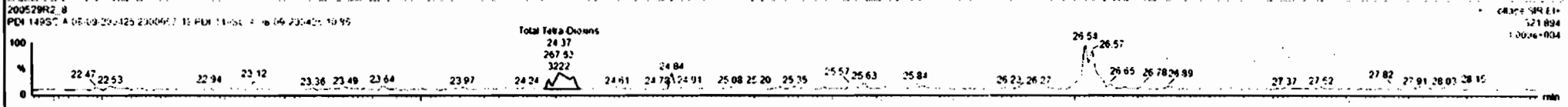
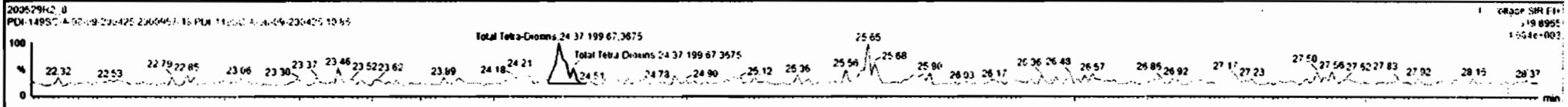


200529R2_8



SI	Name	Resp	RA	ry	RUF	WSP	RT	RRT	Comp	%Rec	DL	EMPC
20	Total Tetra-Chloros				0.0000	00.000				0.0000	0.0000	0.0000
21	Total Penta-Chloros				0.0001	00.000					0.0000	

SI	Name	RT	wt Resp	m2 Resp	RA	ry	EMPC	Comp
1	Total Tetra-Chloros	24.37	1.597e2	2.676e2	0.75	NO	0.009879	0.089875



Custom Reporting: Select reports to generate 200529K2.8 CAP NUM

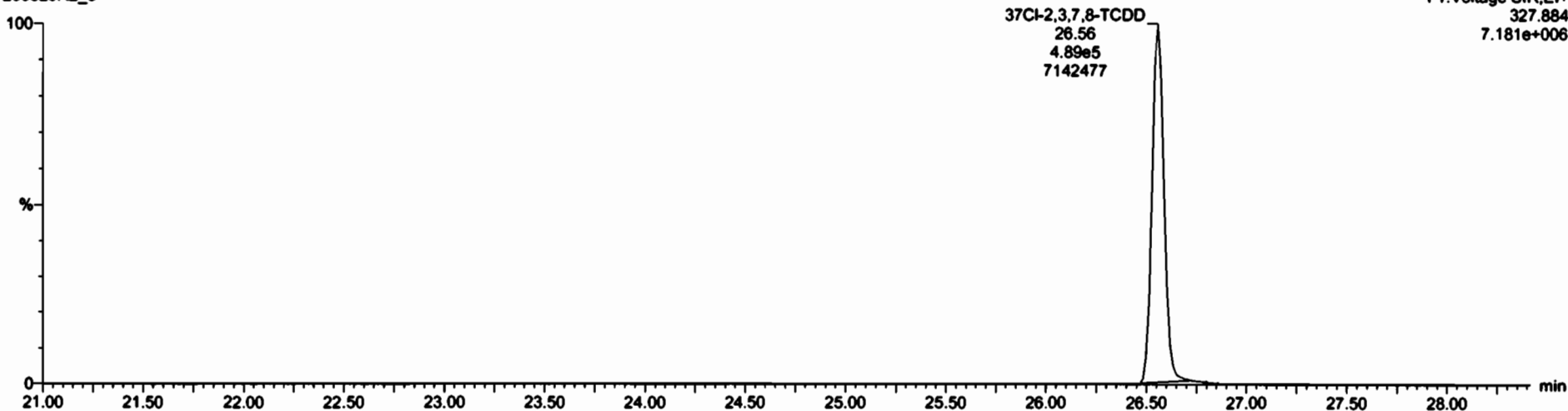
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37Cl-2,3,7,8-TCDD

200529R2_8

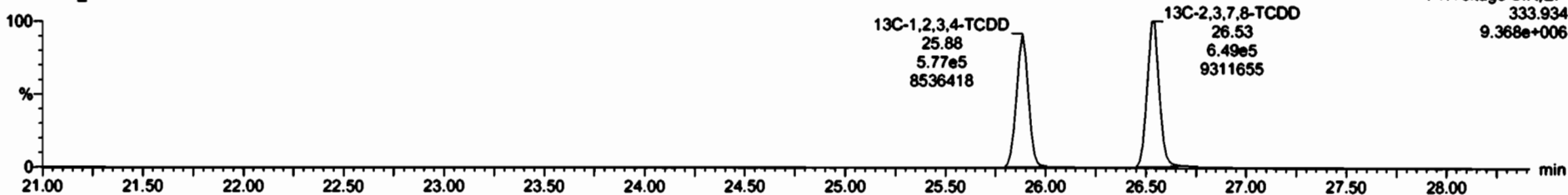


13C-1,2,3,4-TCDD

200529R2_8



200529R2_8



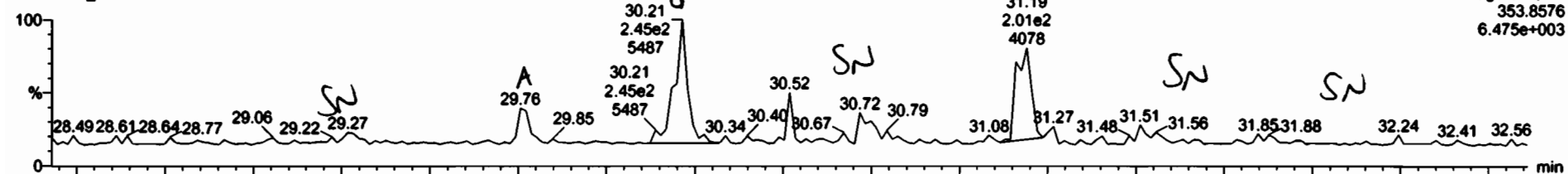
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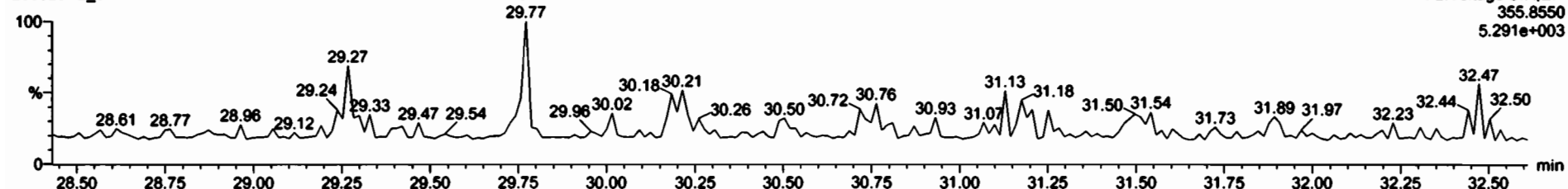
1,2,3,7,8-PeCDD

200529R2_8



F2: Voltage SIR, EI+
353.8576
6.475e+003

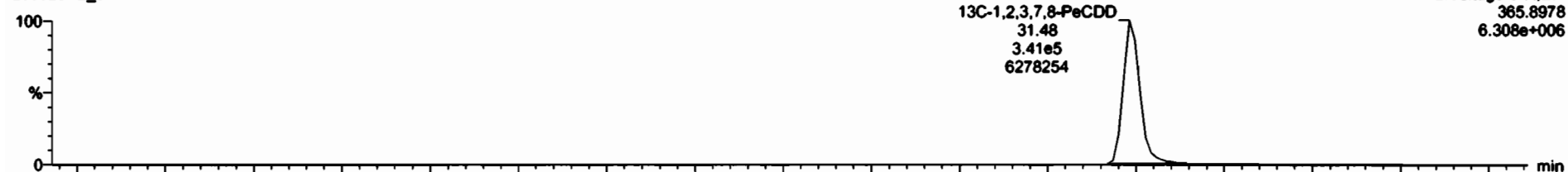
200529R2_8



F2: Voltage SIR, EI+
355.8550
5.291e+003

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

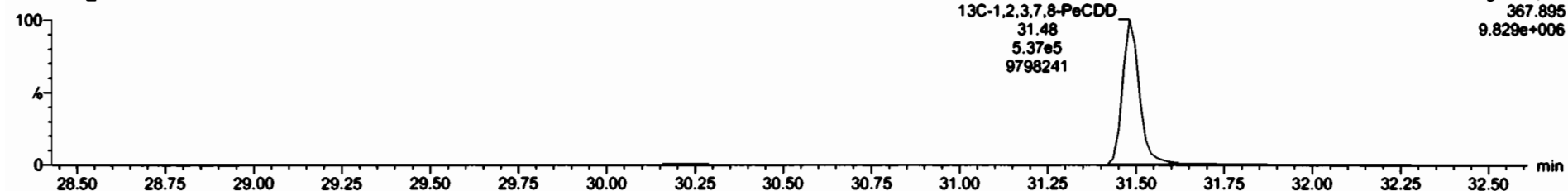
200529R2_8



13C-1,2,3,7,8-PeCDD
31.48
3.41e5
6278254

F2: Voltage SIR, EI+
365.8978
6.308e+006

200529R2_8

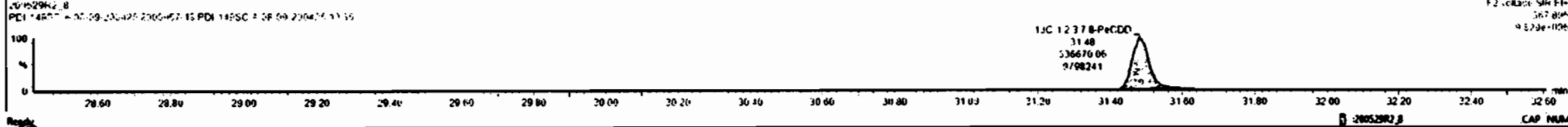
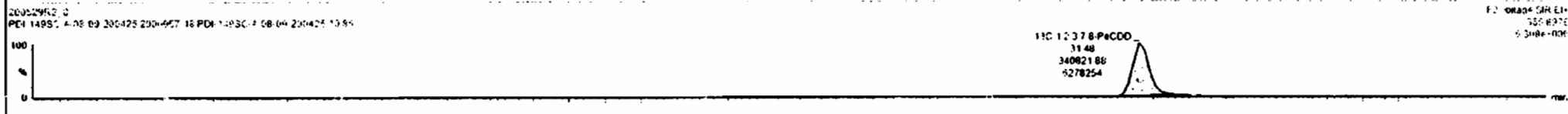
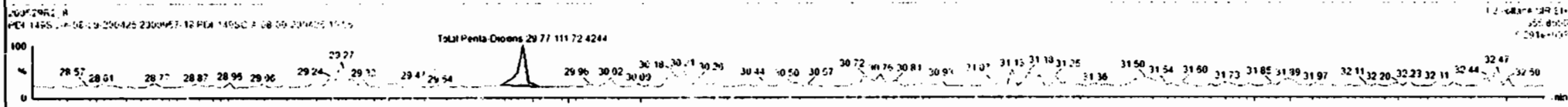
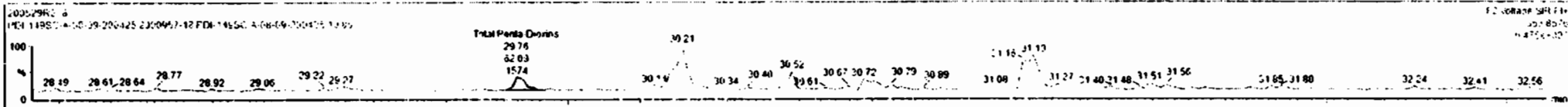


13C-1,2,3,7,8-PeCDD
31.48
5.37e5
9798241

F2: Voltage SIR, EI+
367.895
9.829e+006

#	Name	Resp	RA	dy	RR	RRP	RT	RIT	Colc	%Rec	DL	FMPC
20	Total Tetra-Dioxins				C 2863	10.0%			0.0809	0.0243	0.0895	
21	Total Penta-Dioxins				0.0887	10.0%			0.0812	0.0241	0.0891	

#	Name	RT	m1 Resp	m2 Resp	RA	dy	RRP	Colc
1	Total Penta-Dioxins	29.76	0.206e1	1.117e1	0.56	RU	0.045170	0.341170



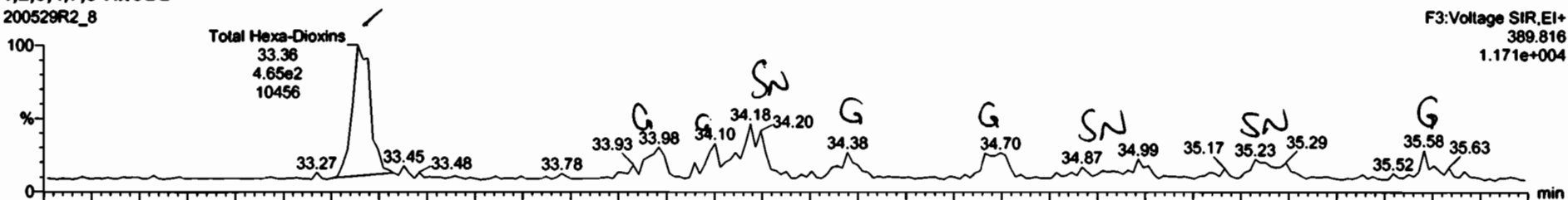
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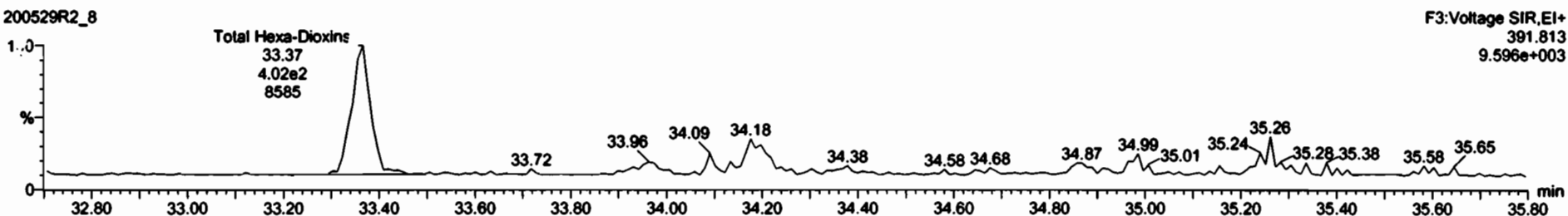
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1,2,3,4,7,8-HxCDD

200529R2_8



200529R2_8

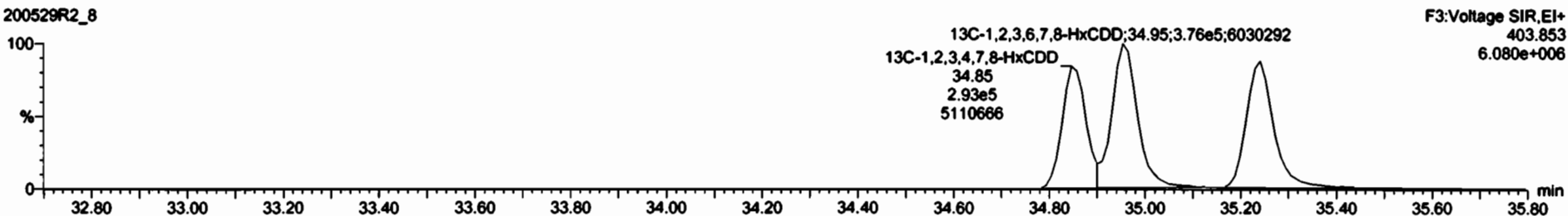


13C-1,2,3,4,7,8-HxCDD

200529R2_8



200529R2_8



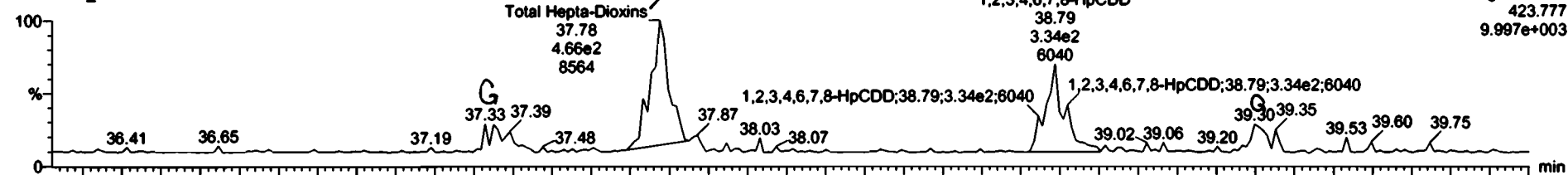
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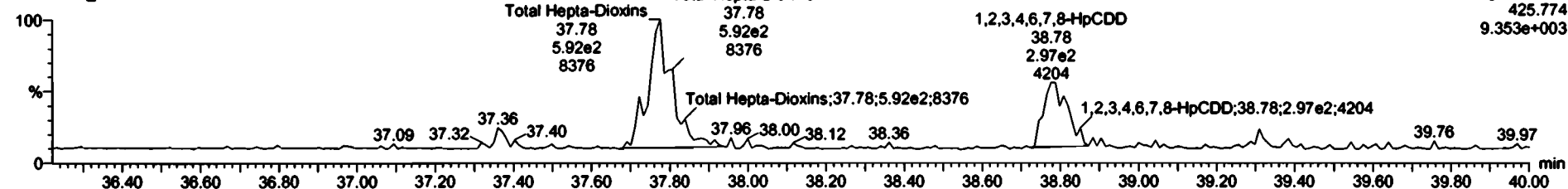
1,2,3,4,6,7,8-HpCDD

200529R2_8



F4:Voltage SIR,EI+
423.777
9.997e+003

200529R2_8



F4:Voltage SIR,EI+
425.774
9.353e+003

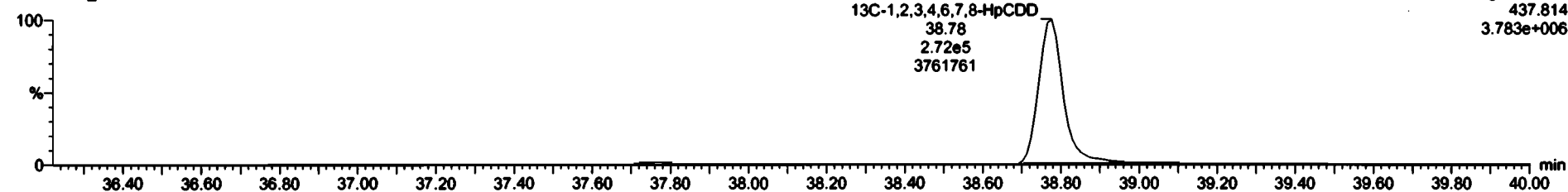
13C-1,2,3,4,6,7,8-HpCDD

200529R2_8



F4:Voltage SIR,EI+
435.817
3.992e+006

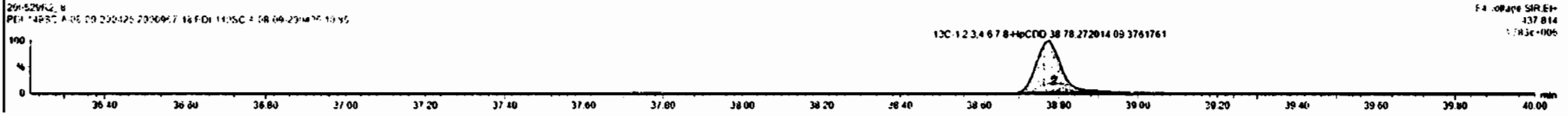
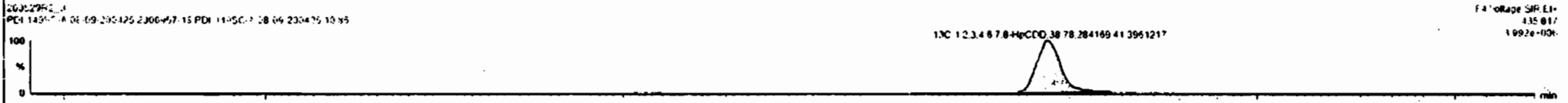
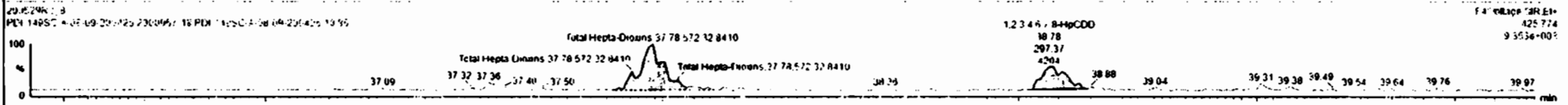
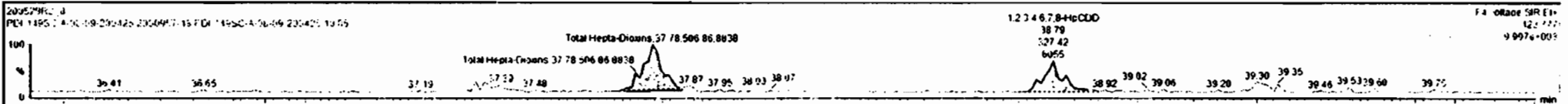
200529R2_8



F4:Voltage SIR,EI+
437.814
3.783e+006

Name	RI	RA	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI	RI
Total Hepta-Dioxins															
Total Hepta-Furans															

Name	RI	RI	RI	RI	RI	RI	RI	RI	RI
1 Total Hepta-Dioxins	37.78	5.00e-2	5.773e2	0.69	NO	0.44e-08	0.44e-08		
2 1,2,3,4,6,7,8-HpCDD	38.79	3.274e2	2.974e2	1.10	NO	0.256e-3	< 2.56e-3		

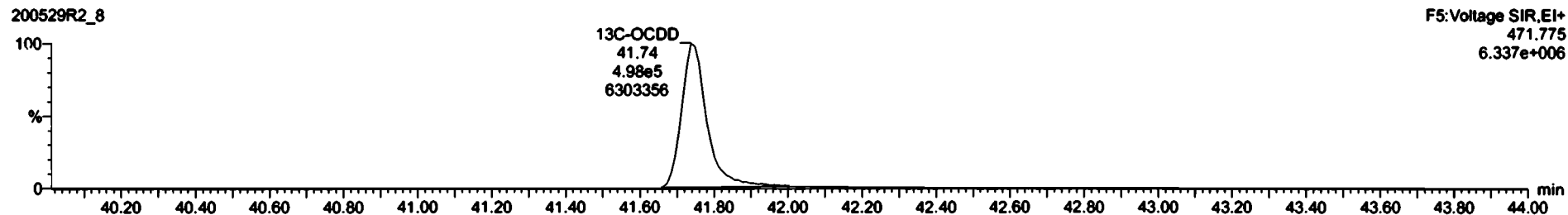
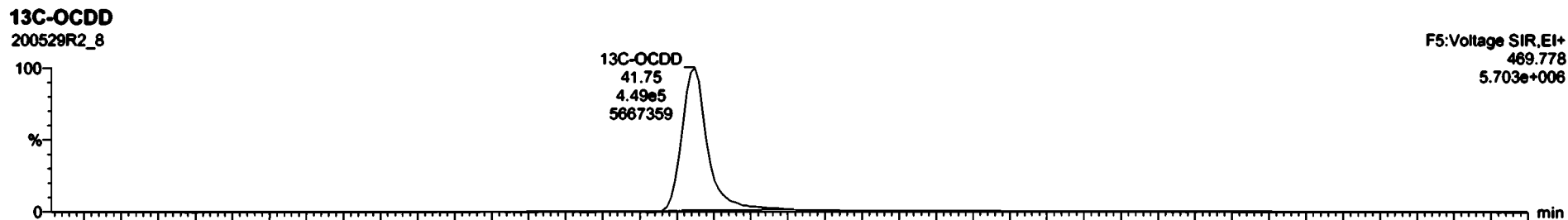
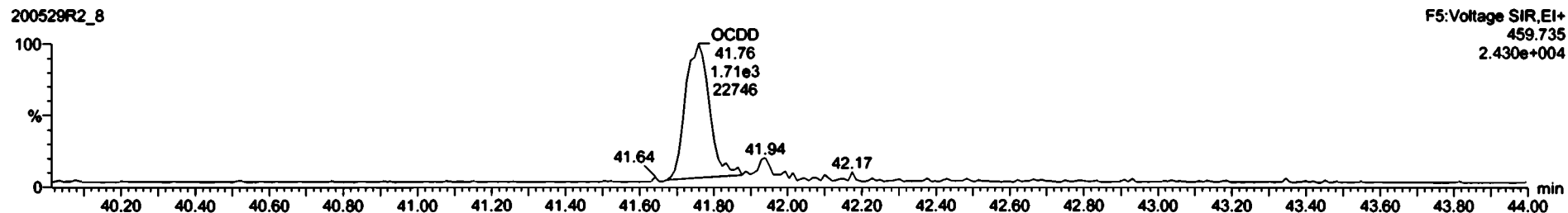
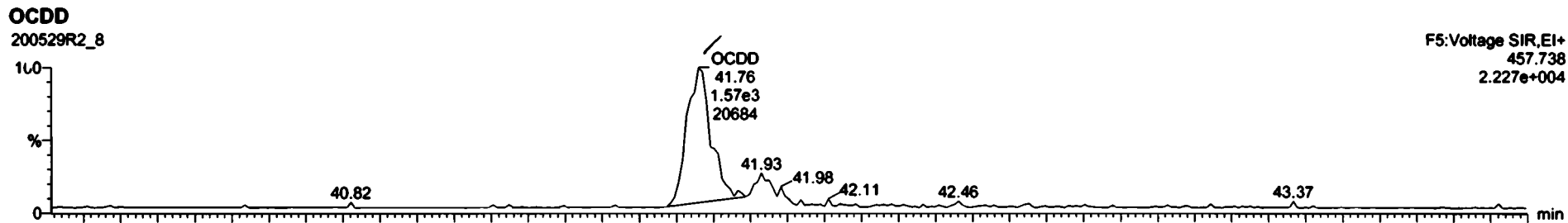


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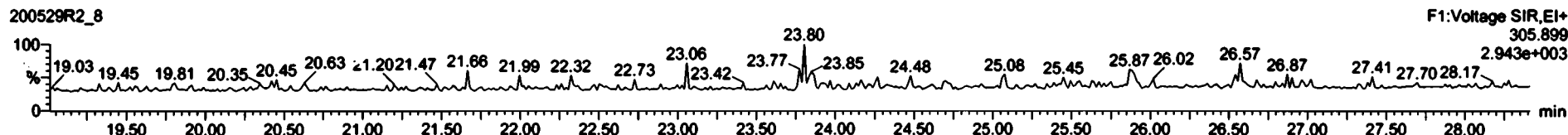
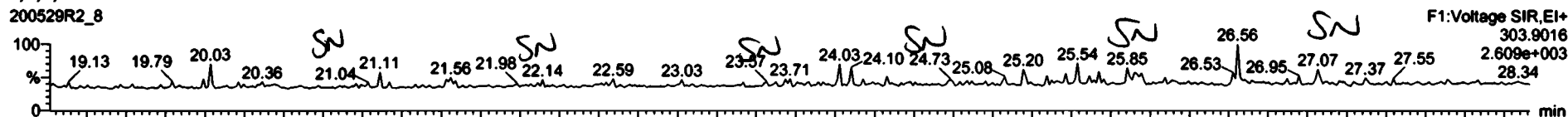


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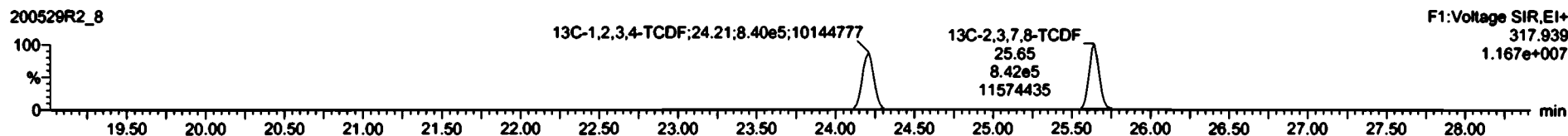
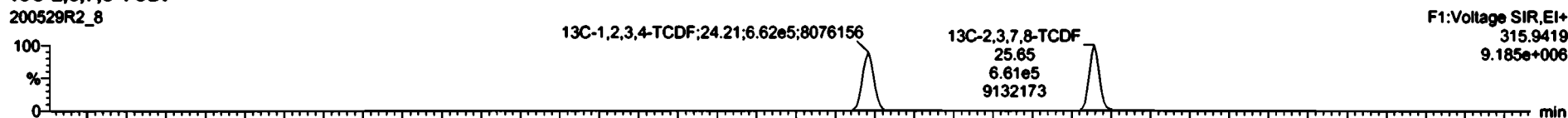
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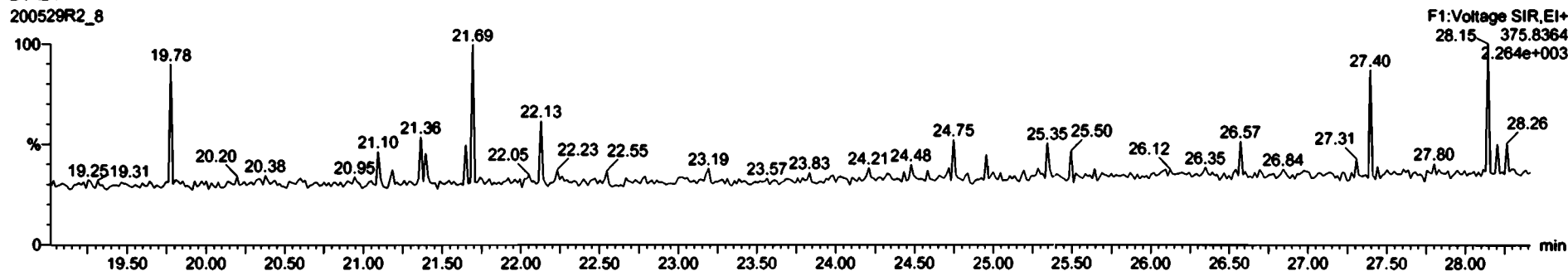
2,3,7,8-TCDF



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



DPE1



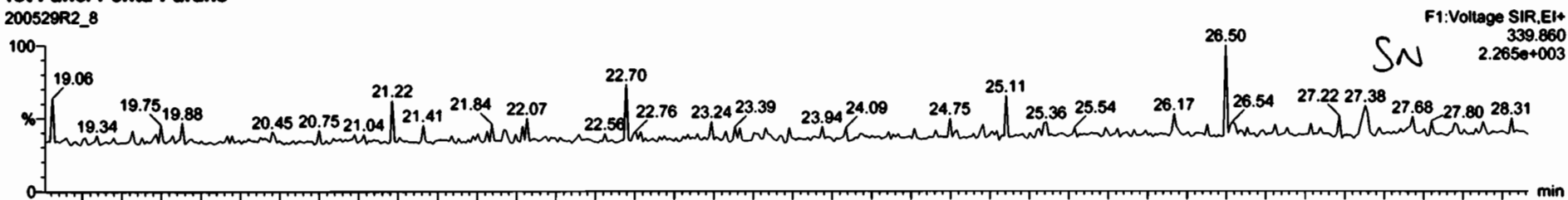
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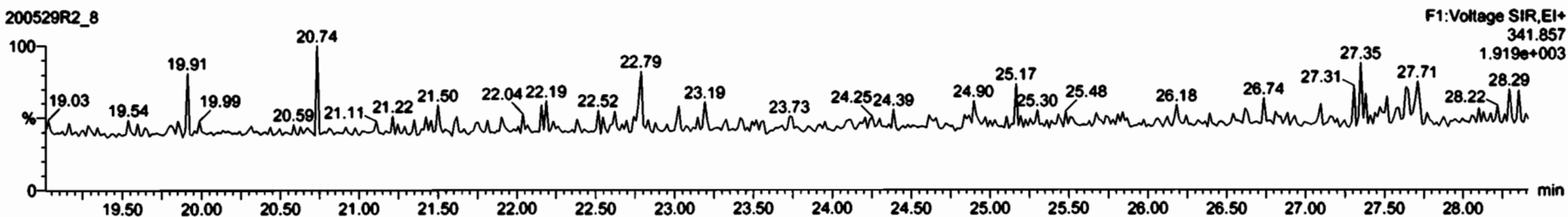
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1st Func. Penta-Furans

200529R2_8

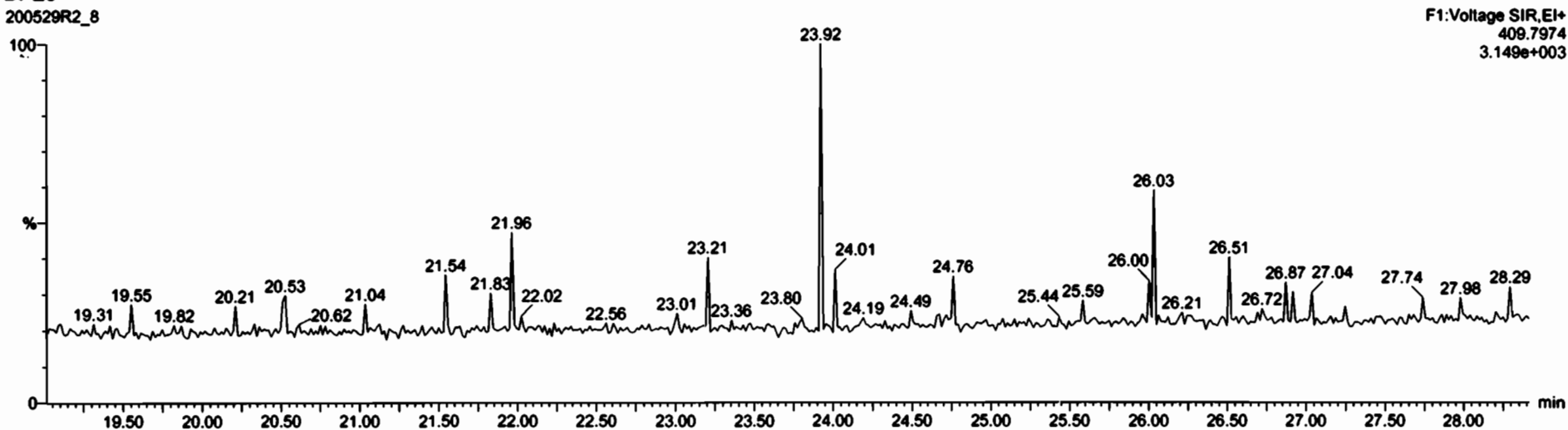


200529R2_8



DPE6

200529R2_8



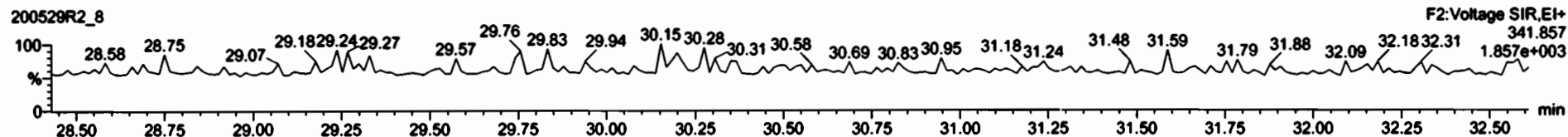
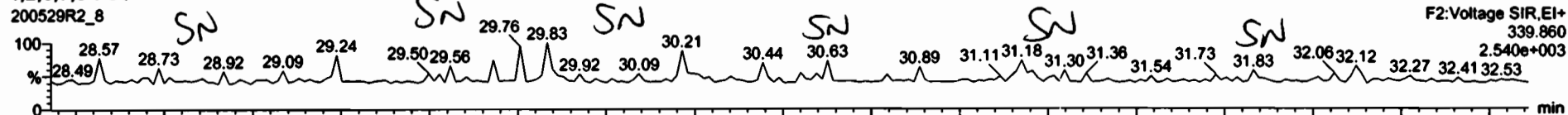
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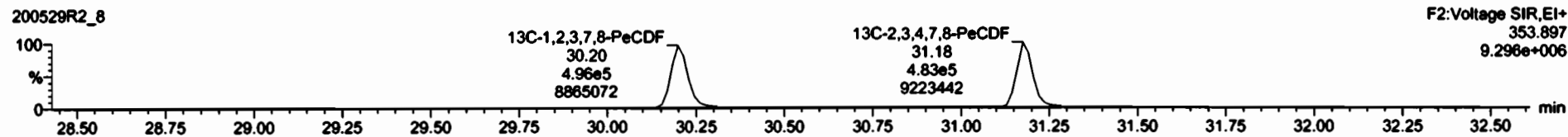
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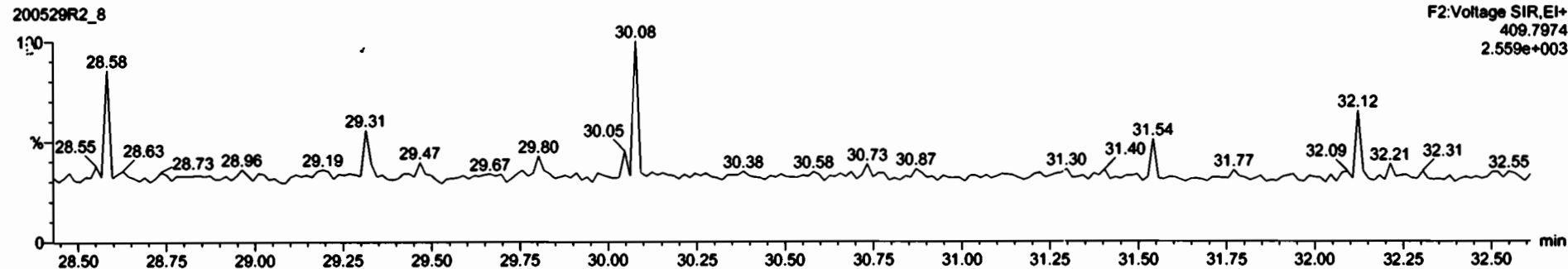
1,2,3,7,8-PeCDF



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



DPE2



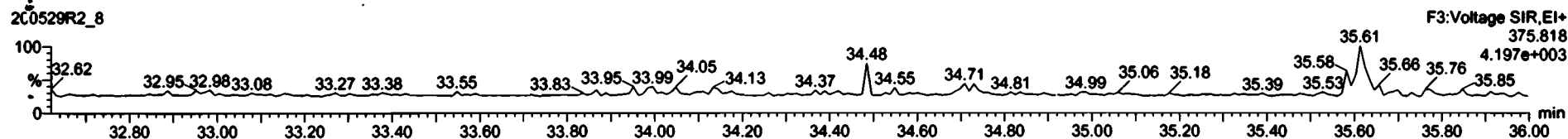
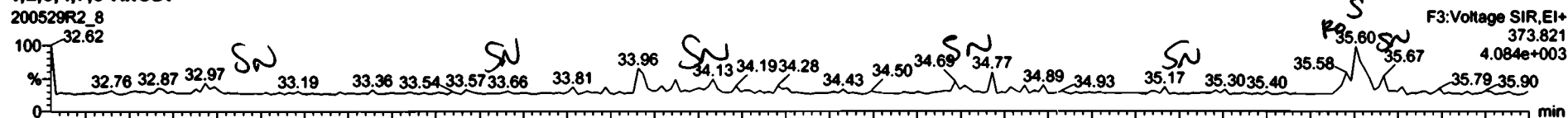
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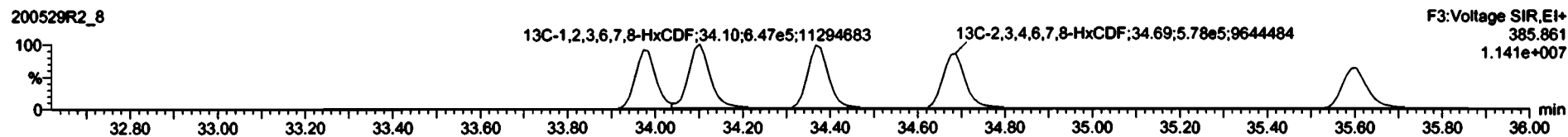
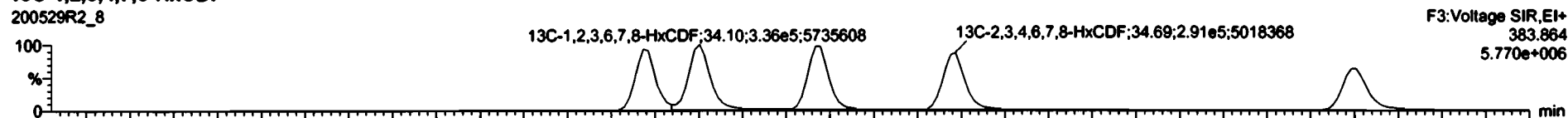
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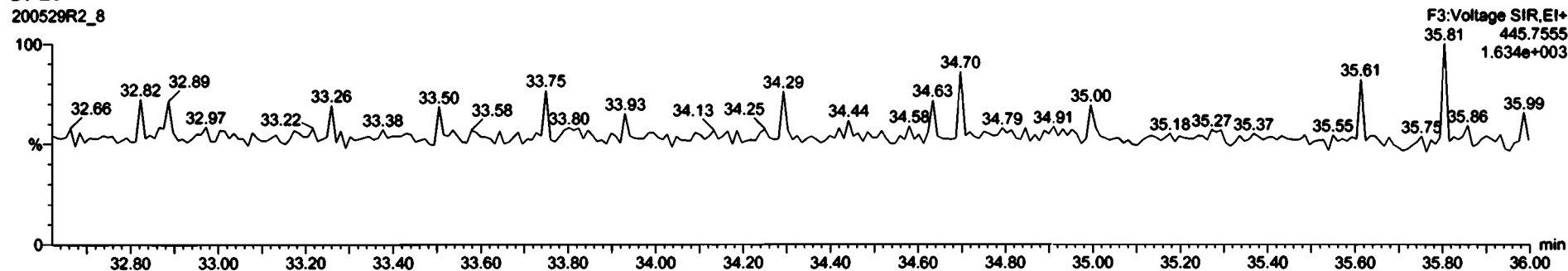
1,2,3,4,7,8-HxCDF



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



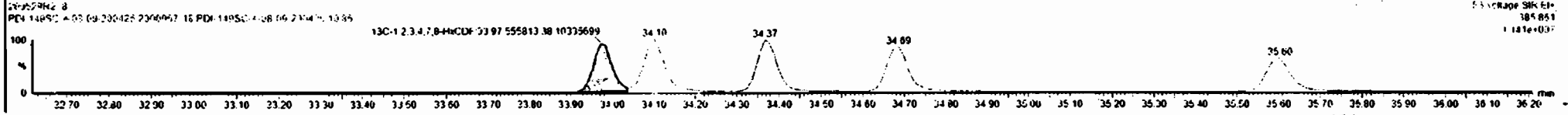
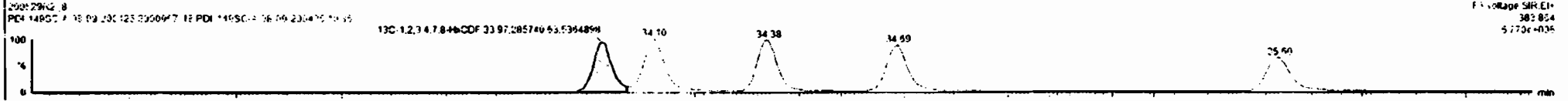
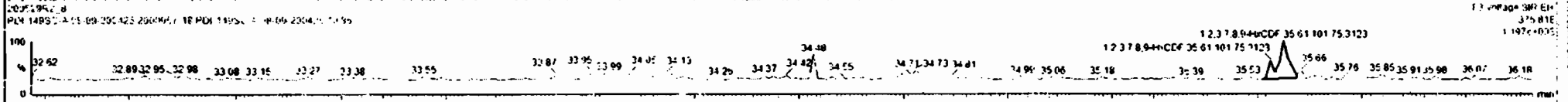
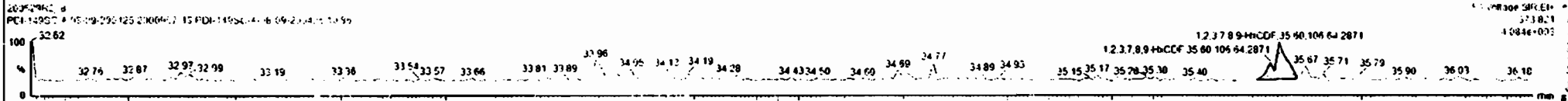
DPE3





MS	Name	Resp	RA	ay	RF	total	RT	RRT	Comp	%Rec	CL	EMPC
05	Total Penta-Chloro				0.0521	10.050					0.0121	
06	Total Hexa-Chloro				0.0441	10.050					0.0220	

MS	Name	RT	rel Resp	m2 Resp	RA	ay	EMPC	Comp
1	12.3789-HrCDF	35.60	1.00e+2	1.017e2	-1.1	-1.5	0.059582	0.00000

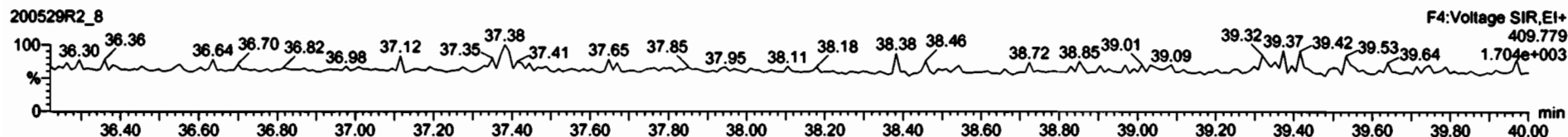
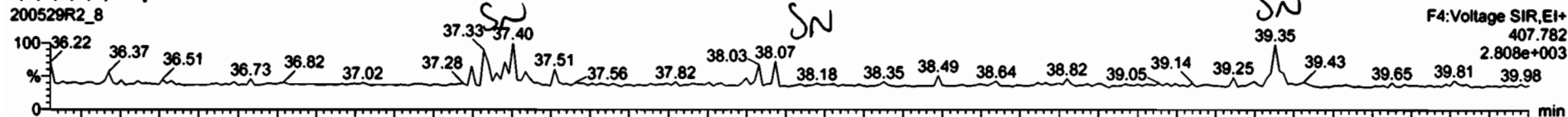


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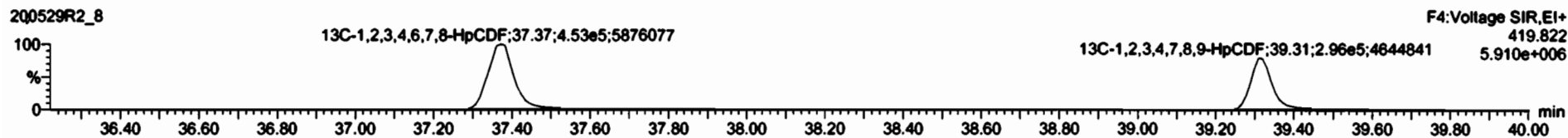
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Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

Name: 200529R2_8, Date: 29-May-2020, Time: 19:48:52, ID: 2000957-18 PDI-149SC-A-08-09-200425 10.86, Description: PDI-149SC-A-08-09-200425

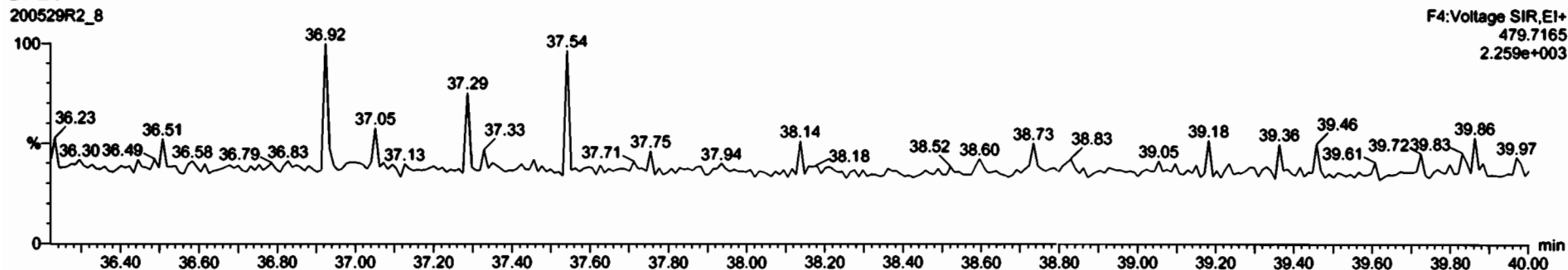
1,2,3,4,6,7,8-HpCDF



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



DPE4



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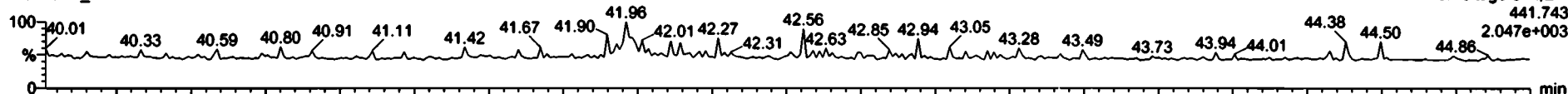
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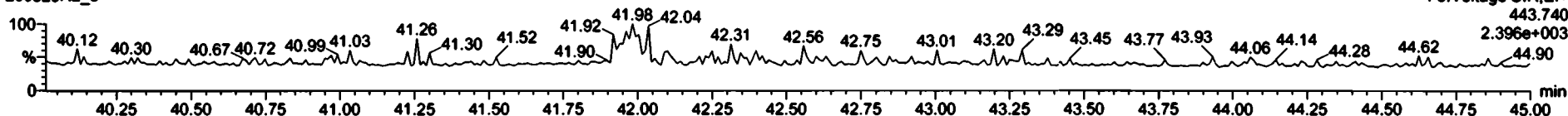
OCDF

200529R2_8



F5:Voltage SIR,EI+
441.743
2.047e+003

200529R2_8



F5:Voltage SIR,EI+
443.740
2.396e+003

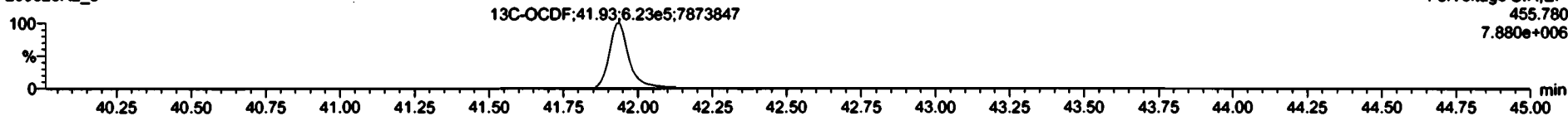
13C-OCDF

200529R2_8



F5:Voltage SIR,EI+
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7.046e+006

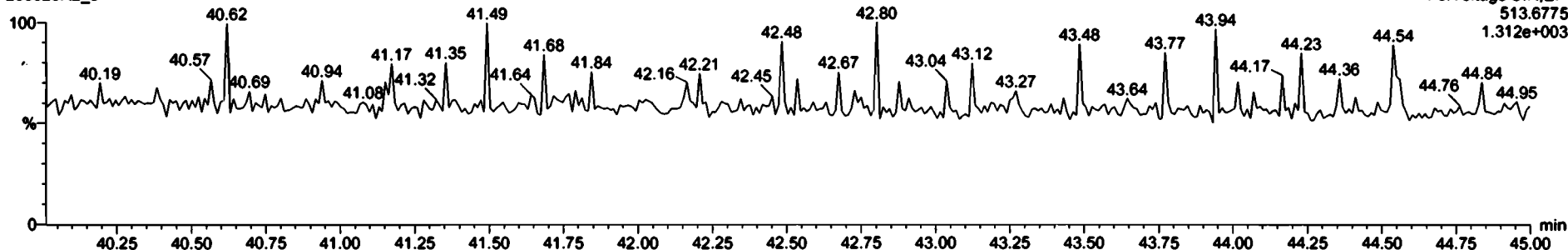
200529R2_8



F5:Voltage SIR,EI+
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D9E5

200529R2_8



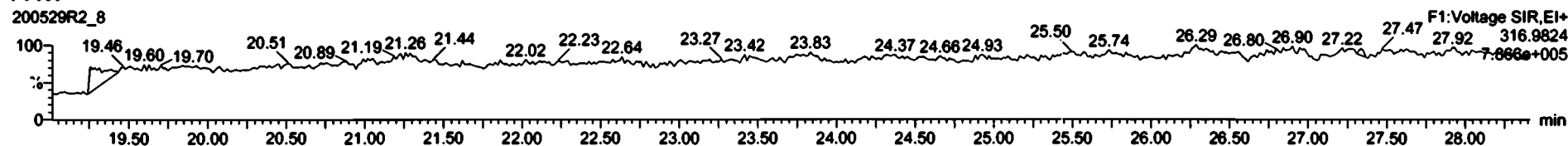
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Dataset: Untitled

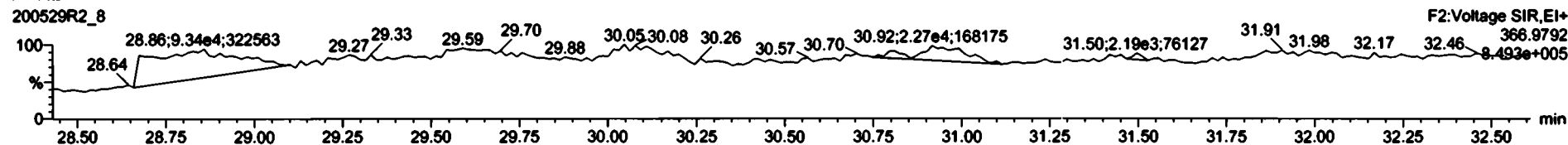
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Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

Name: 200529R2_8, Date: 29-May-2020, Time: 19:48:52, ID: 2000957-18 PDI-149SC-A-08-09-200425 10.86, Description: PDI-149SC-A-08-09-200425

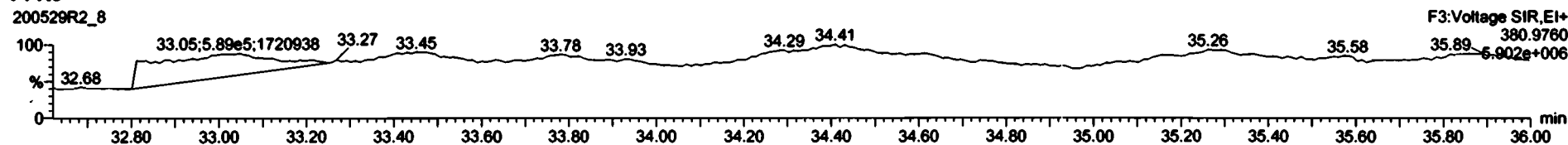
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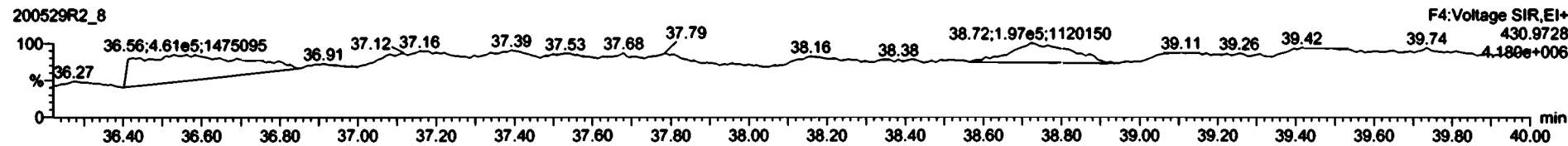
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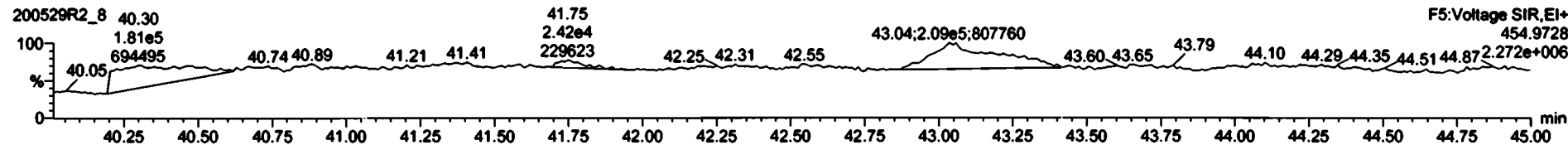
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200529R2\200529R2-9.qld

Last Altered: Monday, June 01, 2020 13:23:25 Pacific Daylight Time

Printed: Monday, June 01, 2020 13:25:11 Pacific Daylight Time

GRB 06/01/2020

CT 06/02/2020

Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200529R2_9, Date: 29-May-2020, Time: 20:35:05, ID: 2000957-19 PDI-149SC-A-09-10-200425 11.5, Description: PDI-149SC-A-09-10-200425

#	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	0.888	10.043	26.575		1.001				0.0558	
2	1,2,3,7,8-PeCDD			NO	0.908	10.043	31.503		1.001				0.0650	
3	1,2,3,4,7,8-HxCDD			NO	1.03	10.043	34.867		1.000				0.115	
4	1,2,3,6,7,8-HxCDD			NO	0.892	10.043	34.964		1.000				0.122	
5	1,2,3,7,8,9-HxCDD			NO	0.887	10.043	35.252		1.000				0.147	
6	1,2,3,4,6,7,8-HpCDD	1.38e3	0.92	NO	0.864	10.043	38.789	38.80	1.000	1.001	0.74483		0.0953	0.745
7	OCDD	1.13e4	0.90	NO	0.914	10.043	41.737	41.75	1.000	1.000	6.6743		0.128	6.67
8	2,3,7,8-TCDF			NO	0.751	10.043	25.671		1.001				0.0238	
9	1,2,3,7,8-PeCDF			NO	0.893	10.043	30.220		1.001				0.0324	
10	2,3,4,7,8-PeCDF			NO	0.935	10.043	31.207		1.001				0.0306	
11	1,2,3,4,7,8-HxCDF			NO	0.884	10.043	33.973		1.000				0.0380	
12	1,2,3,6,7,8-HxCDF			NO	0.889	10.043	34.111		1.000				0.0339	
13	2,3,4,6,7,8-HxCDF			NO	0.934	10.043	34.722		1.001				0.0367	
14	1,2,3,7,8,9-HxCDF			NO	0.871	10.043	35.603		1.000				0.0502	
15	1,2,3,4,6,7,8-HpCDF			NO	0.873	10.043	37.408		1.001				0.0453	
16	1,2,3,4,7,8,9-HpCDF			NO	1.01	10.043	39.320		1.000				0.0445	
17	OCDF			NO	0.806	10.043	41.929		1.000				0.0602	
18	13C-2,3,7,8-TCDD	8.91e5	0.78	NO	1.16	10.043	26.568	26.54	1.026	1.025	134.09	67.3	0.164	
19	13C-1,2,3,7,8-PeCDD	6.74e5	0.67	NO	0.849	10.043	31.766	31.48	1.227	1.216	138.21	69.4	0.285	
20	13C-1,2,3,4,7,8-HxCDD	5.18e5	1.29	NO	0.779	10.043	34.863	34.86	1.014	1.014	133.75	67.2	0.365	
21	13C-1,2,3,6,7,8-HxCDD	6.29e5	1.28	NO	1.02	10.043	34.976	34.96	1.017	1.017	124.55	62.5	0.280	
22	13C-1,2,3,7,8,9-HxCDD	5.60e5	1.26	NO	0.903	10.043	35.248	35.24	1.025	1.025	124.93	62.7	0.315	
23	13C-1,2,3,4,6,7,8-HpCDD	4.26e5	1.10	NO	0.689	10.043	38.775	38.78	1.128	1.128	124.36	62.4	0.392	
24	13C-OCDD	7.35e5	0.90	NO	0.652	10.043	41.800	41.74	1.216	1.214	226.89	57.0	0.362	
25	13C-2,3,7,8-TCDF	1.16e6	0.78	NO	1.06	10.043	25.608	25.65	0.989	0.991	132.06	66.3	0.218	
26	13C-1,2,3,7,8-PeCDF	9.62e5	1.59	NO	0.838	10.043	30.146	30.20	1.165	1.167	137.98	69.3	0.341	
27	13C-2,3,4,7,8-PeCDF	9.84e5	1.61	NO	0.817	10.043	31.101	31.18	1.202	1.204	144.86	72.7	0.350	
28	13C-1,2,3,4,7,8-HxCDF	6.12e5	0.50	NO	1.01	10.043	33.993	33.97	0.989	0.988	122.28	61.4	0.463	
29	13C-1,2,3,6,7,8-HxCDF	7.21e5	0.51	NO	1.17	10.043	34.117	34.10	0.992	0.992	124.31	62.4	0.399	
30	13C-2,3,4,6,7,8-HxCDF	6.37e5	0.50	NO	1.02	10.043	34.691	34.69	1.009	1.009	125.42	63.0	0.456	
31	13C-1,2,3,7,8,9-HxCDF	5.75e5	0.48	NO	0.860	10.043	35.592	35.60	1.035	1.036	134.61	67.6	0.542	

Dataset: U:\VG12.PRO\Results\200529R2\200529R2-9.qld

Last Altered: Monday, June 01, 2020 13:23:25 Pacific Daylight Time
Printed: Monday, June 01, 2020 13:25:11 Pacific Daylight Time

Name: 200529R2_9, Date: 29-May-2020, Time: 20:35:05, ID: 2000957-19 PDI-149SC-A-09-10-200425 11.5, Description: PDI-149SC-A-09-10-200425

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc	MRSD	OL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	4.39e5	0.43	NO	0.774	10.043	37.341	37.37	1.086	1.087	113.96	57.2	0.346	
33	13C-1,2,3,4,7,8,9-HpCDF	3.36e5	0.44	NO	0.521	10.043	39.373	39.32	1.145	1.144	129.89	65.2	0.514	
34	13C-OCDF	8.51e5	0.90	NO	0.746	10.043	41.972	41.93	1.221	1.220	229.72	57.7	0.287	
35	37Cl-2,3,7,8-TCDD	5.13e5			1.04	10.043	26.599	26.56	1.028	1.026	86.129	108	0.0805	
36	13C-1,2,3,4-TCDD	1.14e6	0.80	NO	1.00	10.043	26.000	25.89	1.000	1.000	199.14	100	0.189	
37	13C-1,2,3,4-TCDF	1.66e6	0.79	NO	1.00	10.043	24.360	24.22	1.000	1.000	199.14	100	0.231	
38	13C-1,2,3,4,6,9-HxCDF	9.90e5	0.50	NO	1.00	10.043	34.420	34.38	1.000	1.000	199.14	100	0.466	
39	Total Tetra-Dioxins				0.888	10.043	24.620		0.000		0.00000		0.0315	0.306
40	Total Penta-Dioxins				0.908	10.043	29.960		0.000		0.00000		0.0321	0.123
41	Total Hexa-Dioxins				0.892	10.043	33.635		0.000		0.66156		0.133	0.662
42	Total Hepta-Dioxins				0.864	10.043	37.640		0.000		2.2312		0.0953	2.23
43	Total Tetra-Furans				0.751	10.043	23.610		0.000				0.0100	
44	1st Func. Penta-Furans				0.893	10.043	27.090		0.000				0.00817	
45	Total Penta-Furans				0.893	10.043	29.275		0.000				0.0161	
46	Total Hexa-Furans				0.934	10.043	33.555		0.000				0.0167	
47	Total Hepta-Furans				0.873	10.043	37.835		0.000				0.0271	

Dataset: U:\VG12.PRO\Results\200529R2\200529R2-9.qld

Last Altered: Monday, June 01, 2020 13:23:25 Pacific Daylight Time
 Printed: Monday, June 01, 2020 13:25:11 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17
 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200529R2_9, Date: 29-May-2020, Time: 20:35:05, ID: 2000957-19 PDI-149SC-A-09-10-200425 11.5, Description: PDI-149SC-A-09-10-200425

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Tetra-Dioxins	24.39	8.415e3	7.846e3	6.490e2	6.870e2	0.94	YES	0.000e0	0.00000	0.30588	0.0558

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Penta-Dioxins	29.76	2.388e3	9.185e3	1.466e2	3.182e2	0.46	YES	0.000e0	0.00000	0.12332	0.0650

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Hexa-Dioxins	33.37	1.892e4	1.366e4	8.993e2	7.881e2	1.14	NO	1.687e3	0.66156	0.66156	0.133

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Hepta-Dioxins	37.78	2.204e4	2.056e4	1.363e3	1.383e3	0.99	NO	2.747e3	1.4864	1.4864	0.0953
1,2,3,4,6,7,8-HpCDD	38.80	1.133e4	1.124e4	6.611e2	7.153e2	0.92	NO	1.376e3	0.74483	0.74483	0.0953

Tetra-Furans

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

Penta-Furans function 1

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

Dataset: U:\VG12.PRO\Results\200529R2\200529R2-9.qld

Last Altered: Monday, June 01, 2020 13:23:25 Pacific Daylight Time
Printed: Monday, June 01, 2020 13:25:11 Pacific Daylight Time

Name: 200529R2_9, Date: 29-May-2020, Time: 20:35:05, ID: 2000957-19 PDI-149SC-A-09-10-200425 11.5, Description: PDI-149SC-A-09-10-200425

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
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Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
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Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
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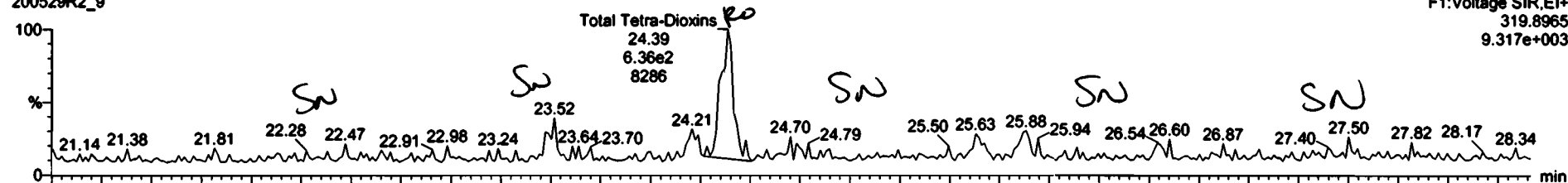
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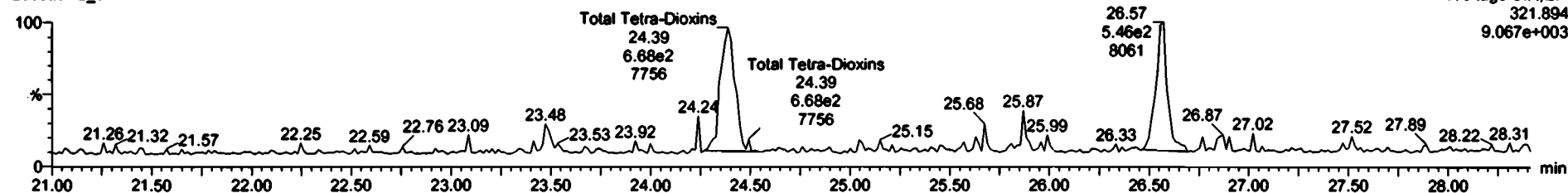
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2,3,7,8-TCDD

200529R2_9



200529R2_9

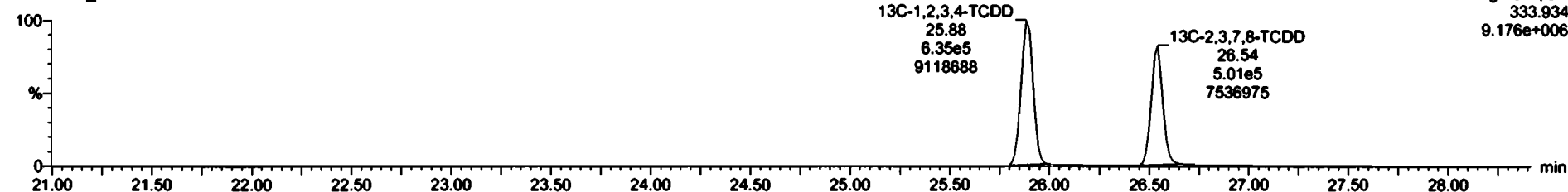


13C-2,3,7,8-TCDD

200529R2_9



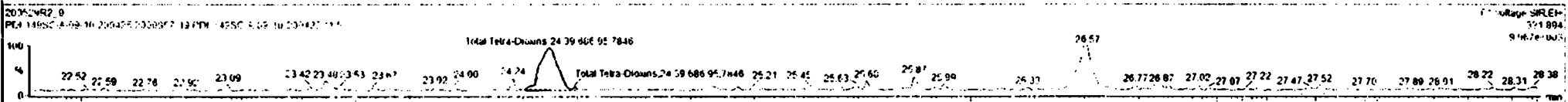
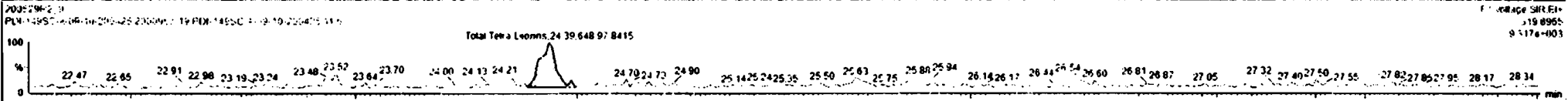
200529R2_9





Name	Resp	RA	dy	RRF	RRF	RT	RT	RT	Comp	%Rec	D	EMPC
Total Tetra-Chloro				0.0061	10.043						0.0311	0.305

Name	RT	m1 Resp	m2 Resp	RA	dy	EMPC	Comp
Total Tetra-Chloro	24.39	6.490e2	6.670e2	0.54	1.15	0.30516	0.00000



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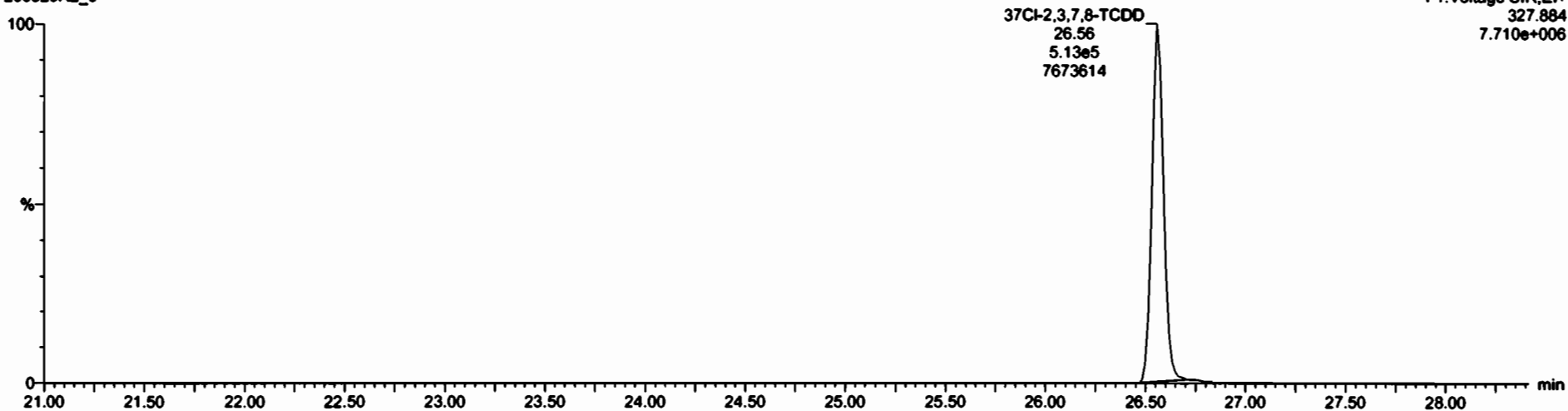
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Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

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

200529R2_9

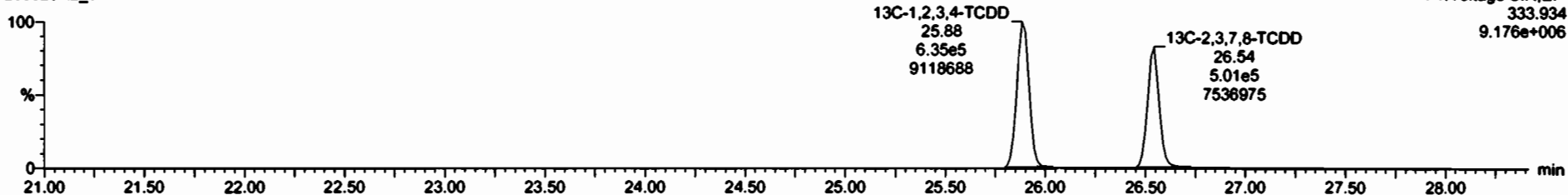


13C-1,2,3,4-TCDD

200529R2_9



200529R2_9



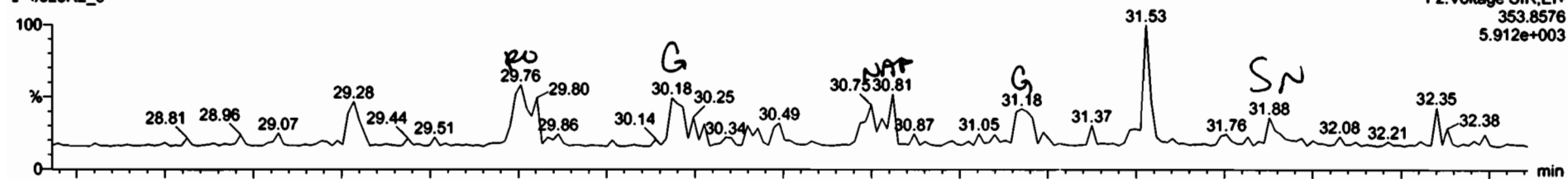
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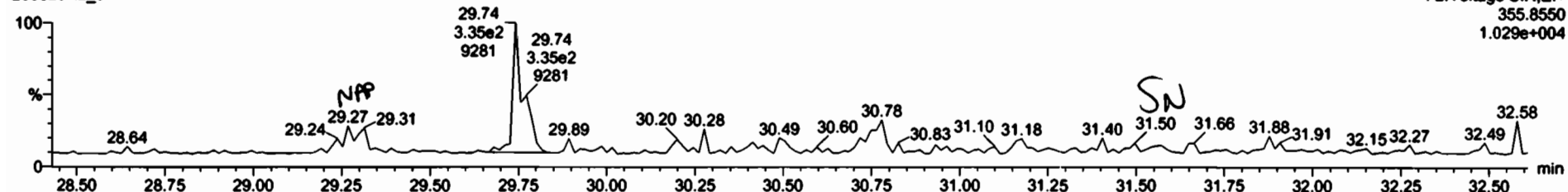
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1,2,3,7,8-PeCDD

200529R2_9

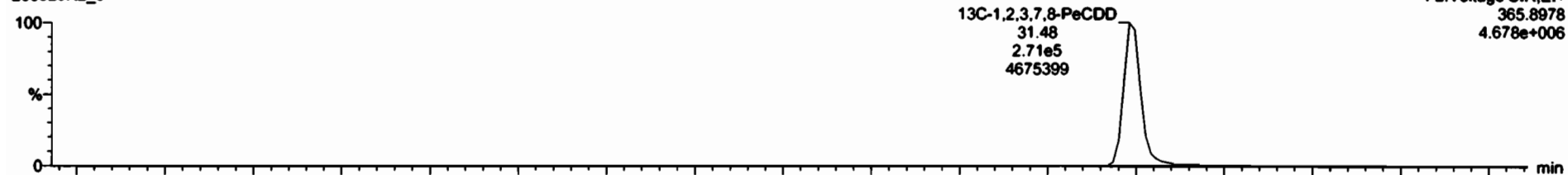


200529R2_9

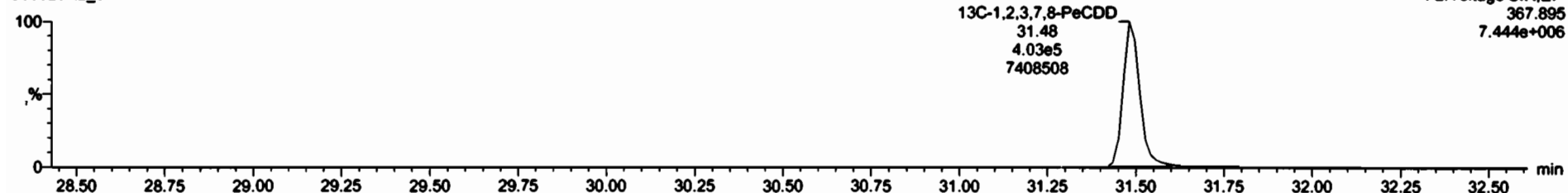


13C-1,2,3,7,8-PeCDD

200529R2_9



200529R2_9



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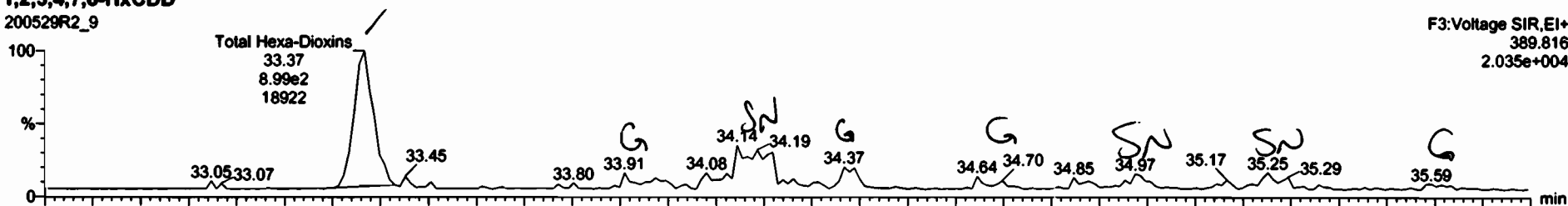
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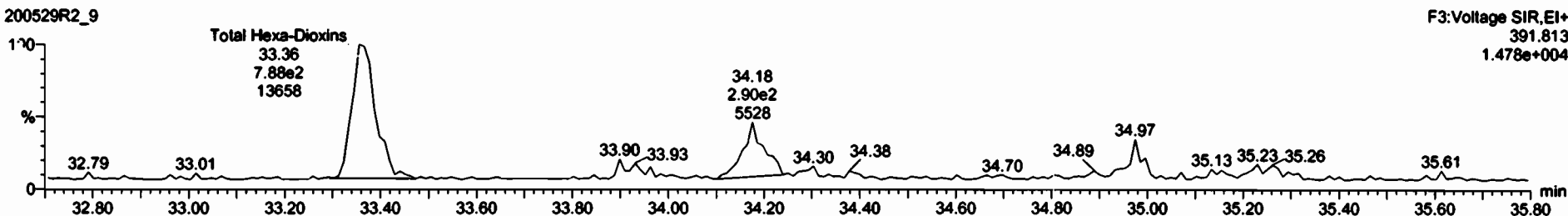
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1,2,3,4,7,8-HxCDD

200529R2_9



200529R2_9

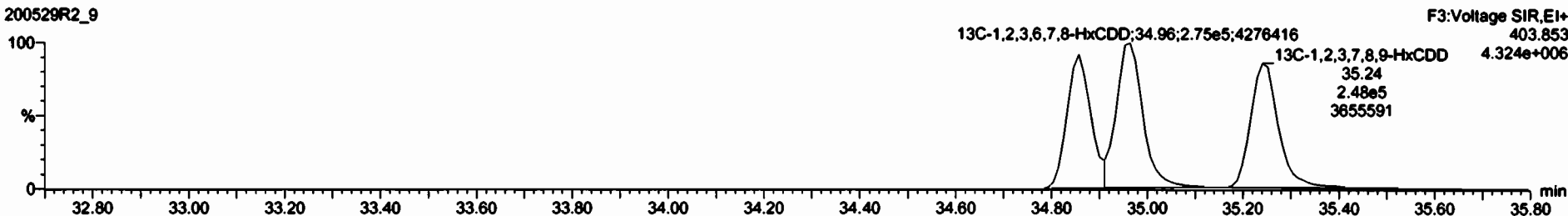


13C-1,2,3,4,7,8-HxCDD

200529R2_9



200529R2_9



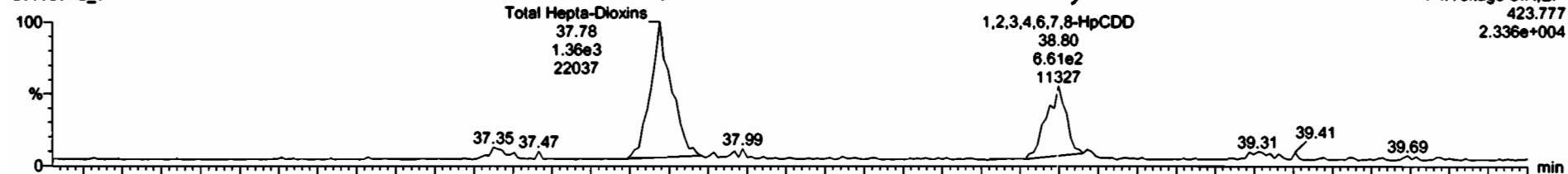
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Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

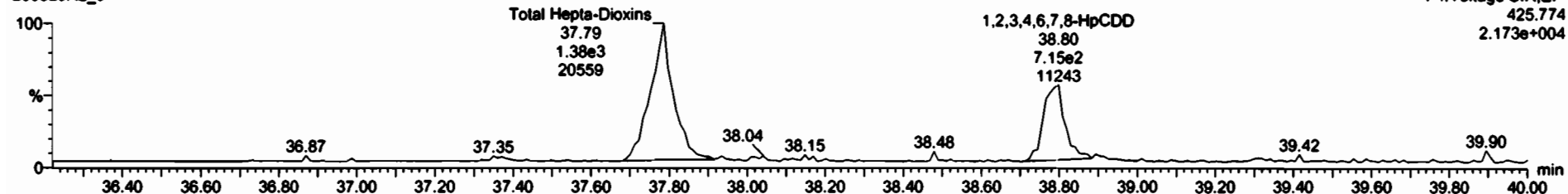
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1,2,3,4,6,7,8-HpCDD

200529R2_9

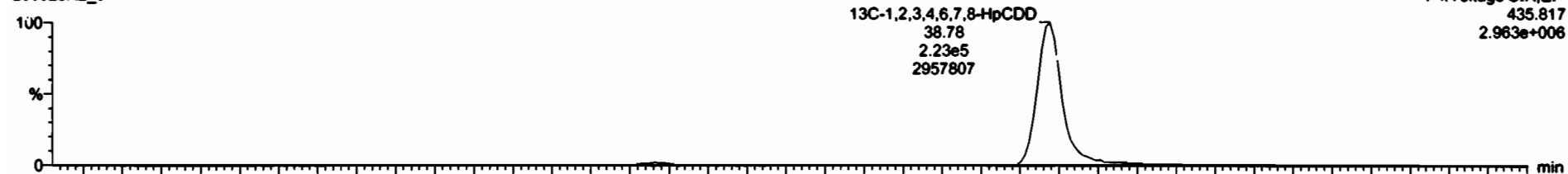


200529R2_9

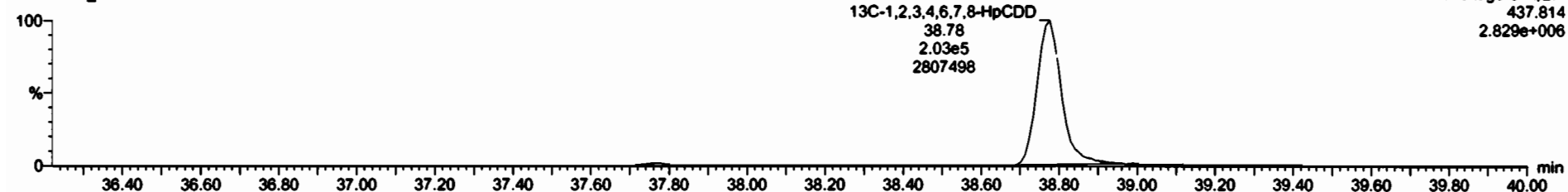


13C-1,2,3,4,6,7,8-HpCDD

200529R2_9



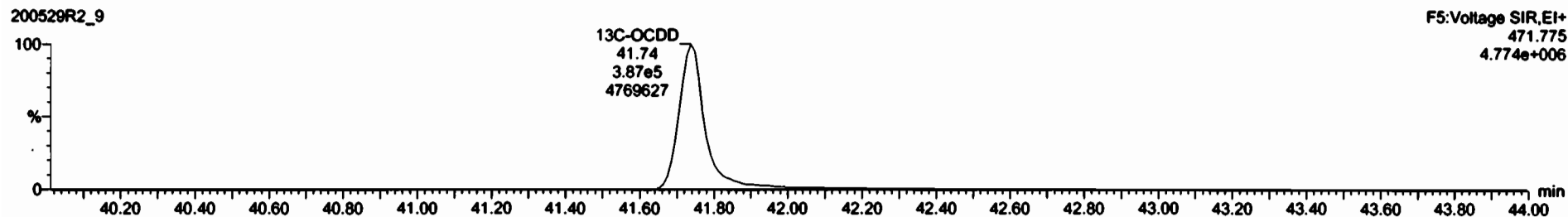
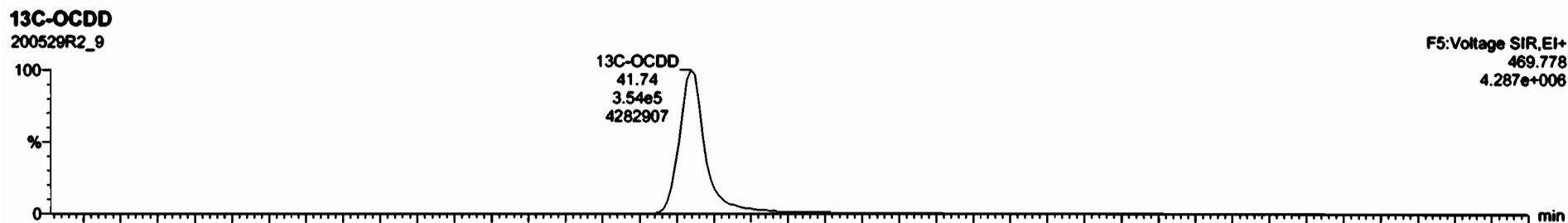
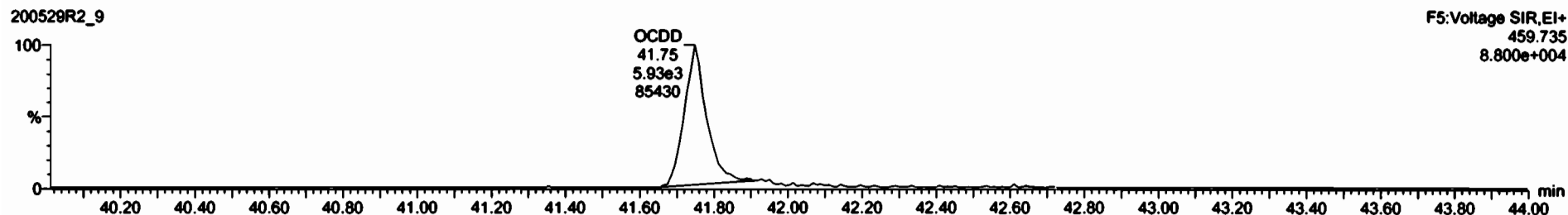
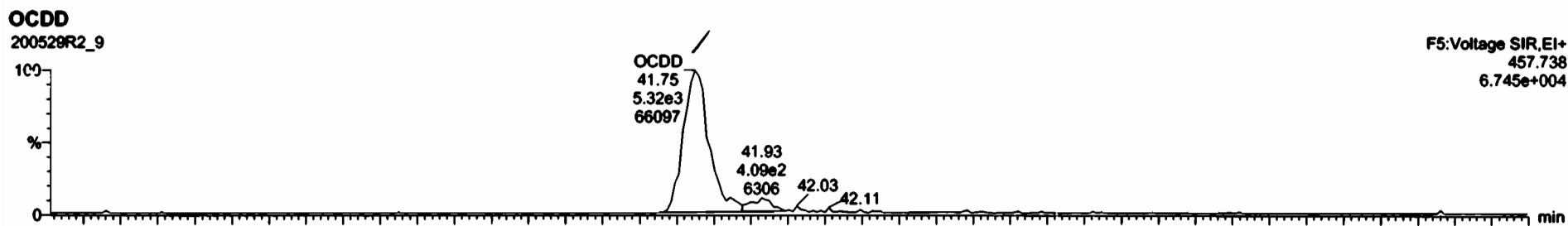
200529R2_9



Dataset: Untitled

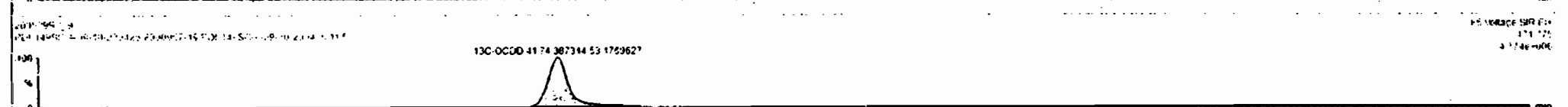
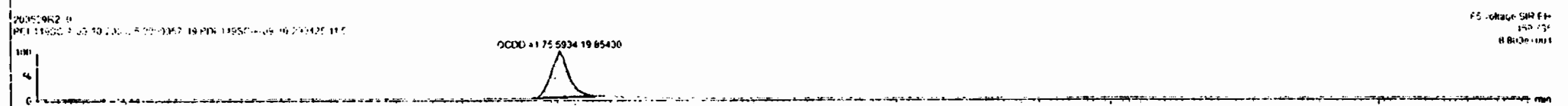
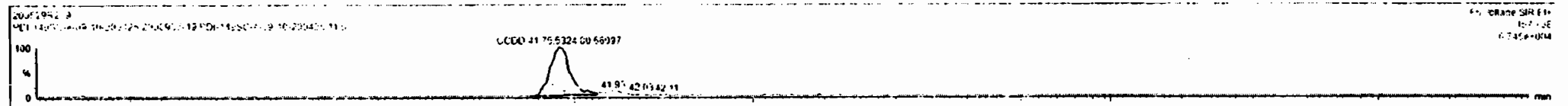
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Name: 200529R2_9, Date: 29-May-2020, Time: 20:35:05, ID: 2000957-19 PDI-149SC-A-09-10-200425 11.5, Description: PDI-149SC-A-09-10-200425



SI	Name	Peak	Area	Height	Width	Area%	Height%	Conc.	%Rec.	CA	EMPC
7	OCDD	1.324	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	2,3,7,8-TCDF									0.00	0.00

SI	Name	RT	1st Resp	2nd Resp	Area	Height	ELPC	Conc.
1								

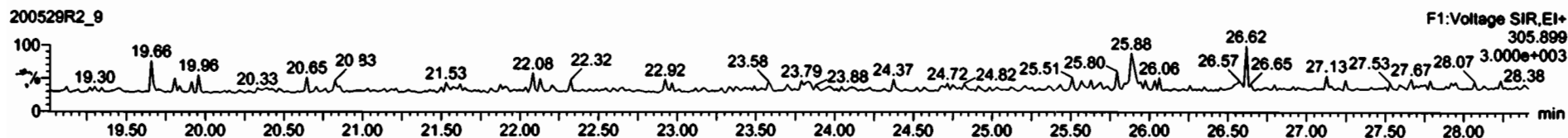
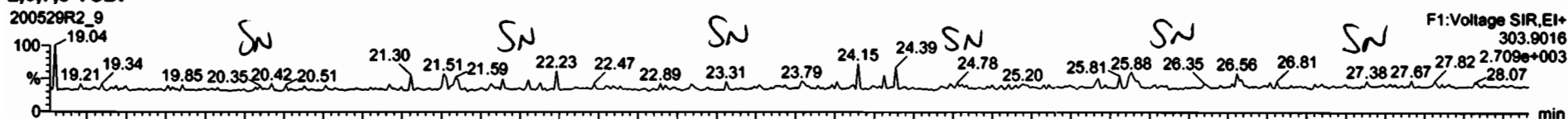


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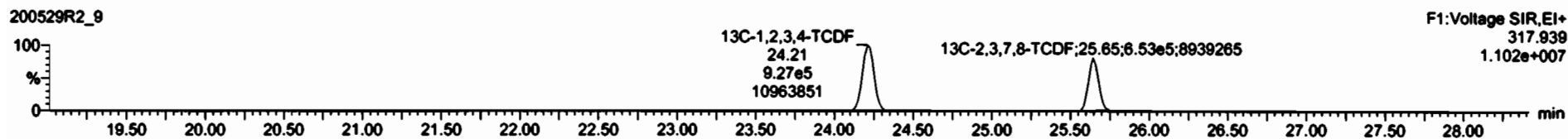
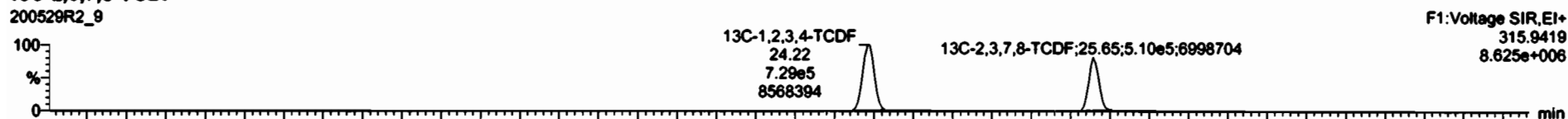
Last Altered: Monday, June 01, 2020 7:46:05 AM Pacific Daylight Time
Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

Name: 200529R2_9, Date: 29-May-2020, Time: 20:35:05, ID: 2000957-19 PDI-149SC-A-09-10-200425 11.5, Description: PDI-149SC-A-09-10-200425

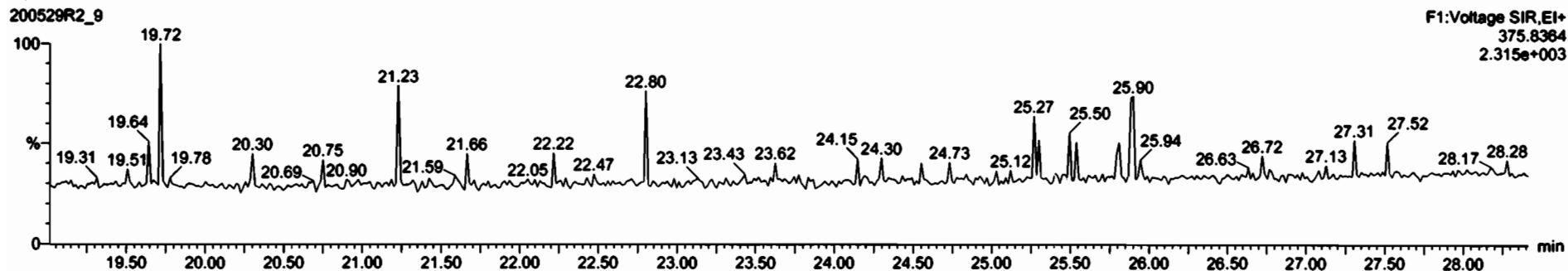
2,3,7,8-TCDF



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



DPE1



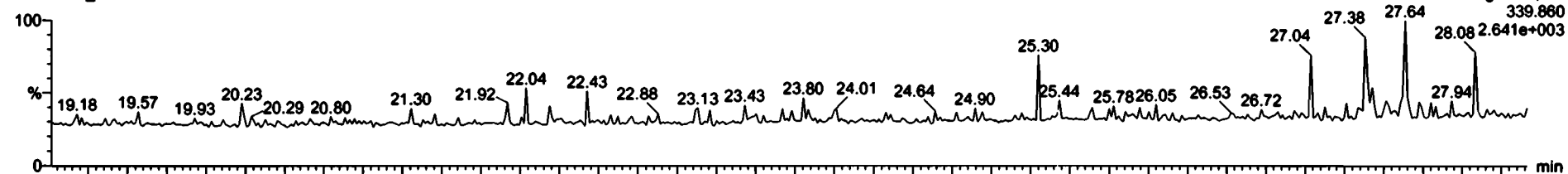
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Last Altered: Monday, June 01, 2020 7:46:05 AM Pacific Daylight Time
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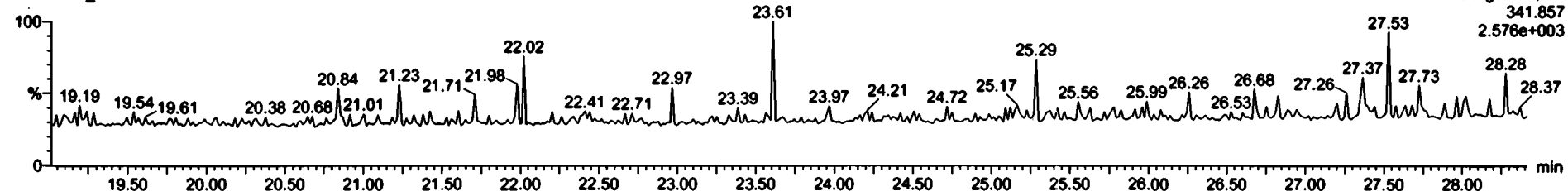
Name: 200529R2_9, Date: 29-May-2020, Time: 20:35:05, ID: 2000957-19 PDI-149SC-A-09-10-200425 11.5, Description: PDI-149SC-A-09-10-200425

1st Func. Penta-Furans

200529R2_9

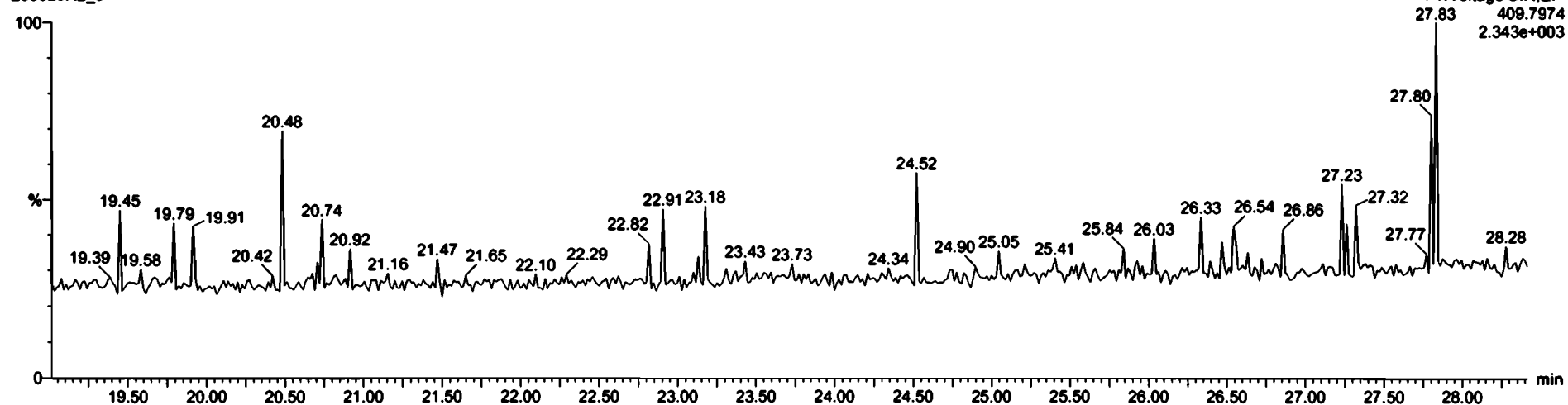


200529R2_9



DPE6

200529R2_9



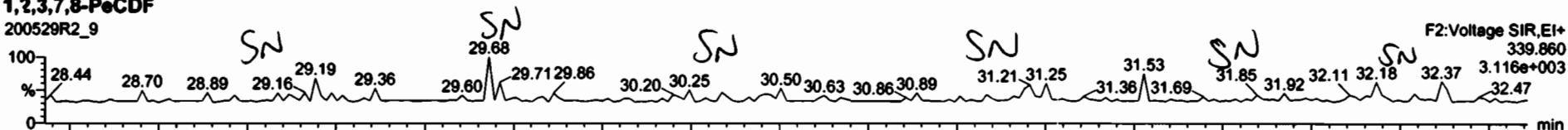
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Last Altered: Monday, June 01, 2020 7:46:05 AM Pacific Daylight Time
Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

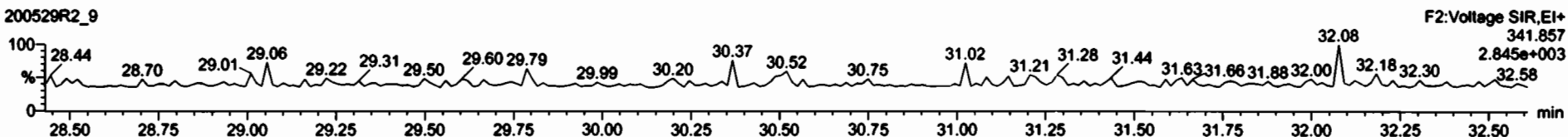
Name: 200529R2_9, Date: 29-May-2020, Time: 20:35:05, ID: 2000957-19 PDI-149SC-A-09-10-200425 11.5, Description: PDI-149SC-A-09-10-200425

1,2,3,7,8-PeCDF

200529R2_9



200529R2_9

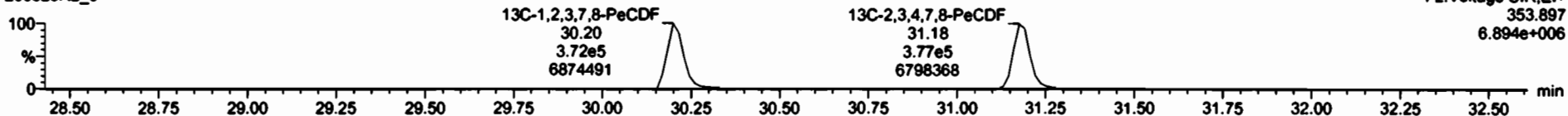


13C-1,2,3,7,8-PeCDF

200529R2_9

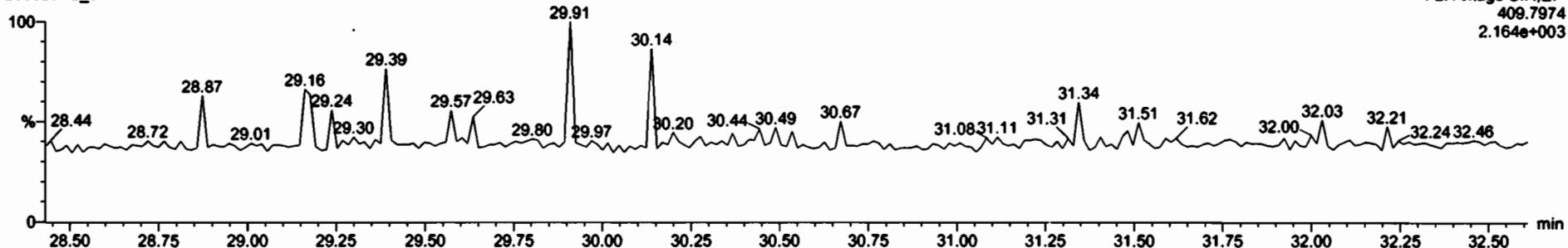


200529R2_9



DPE2

200529R2_9

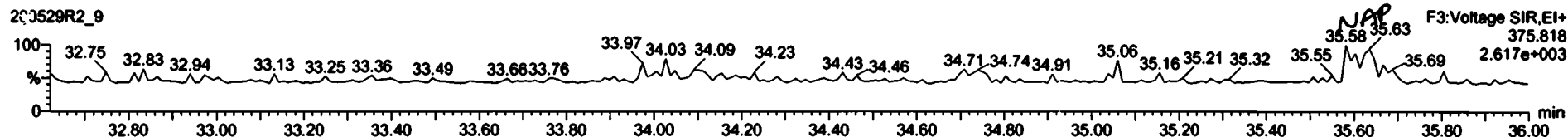
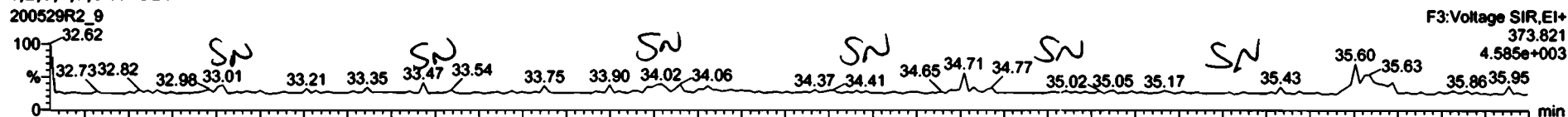


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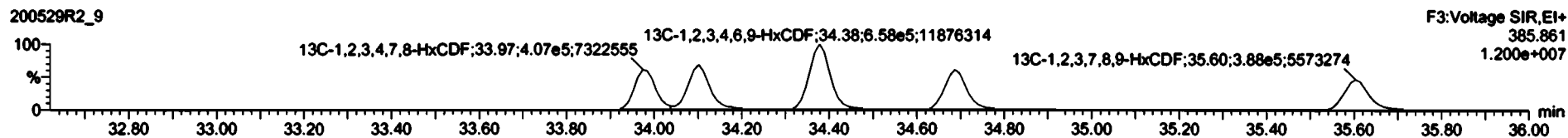
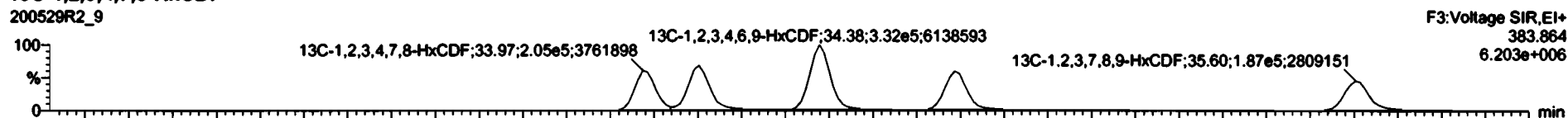
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Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

Name: 200529R2_9, Date: 29-May-2020, Time: 20:35:05, ID: 2000957-19 PDI-149SC-A-09-10-200425 11.5, Description: PDI-149SC-A-09-10-200425

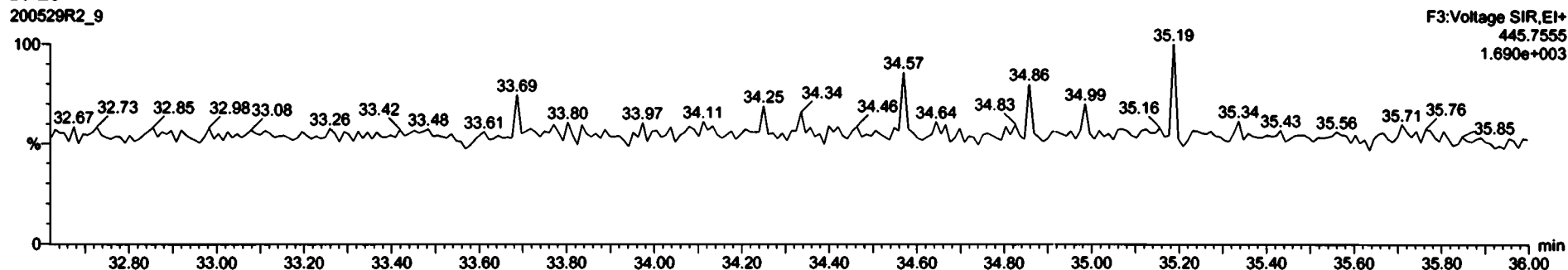
1,2,3,4,7,8-HxCDF



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



DPE3

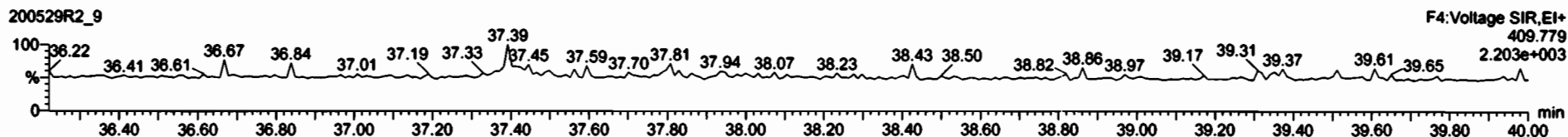
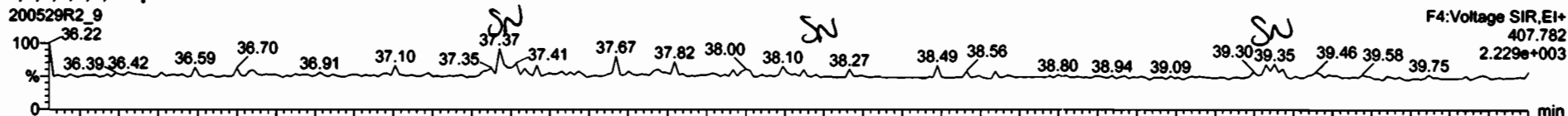


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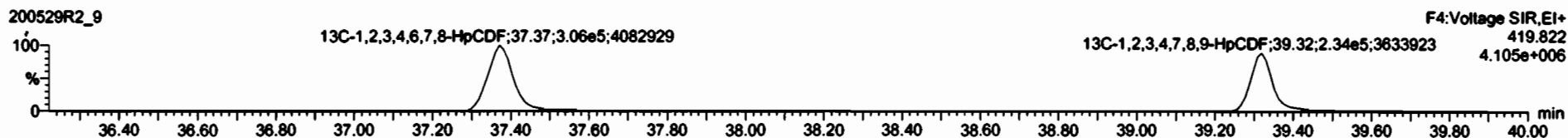
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Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

Name: 200529R2_9, Date: 29-May-2020, Time: 20:35:05, ID: 2000957-19 PDI-149SC-A-09-10-200425 11.5, Description: PDI-149SC-A-09-10-200425

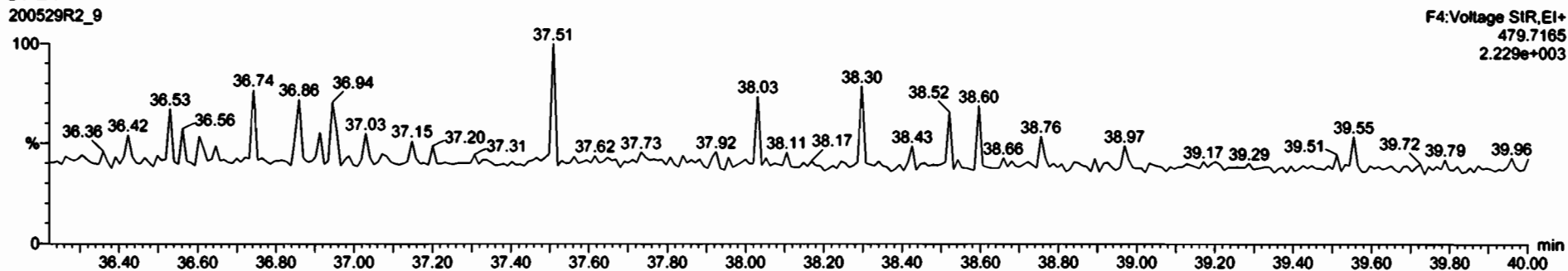
1,2,3,4,6,7,8-HpCDF



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



DPE4



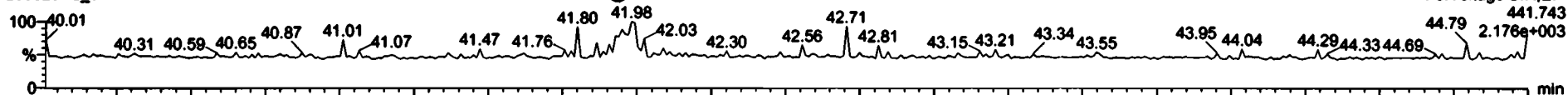
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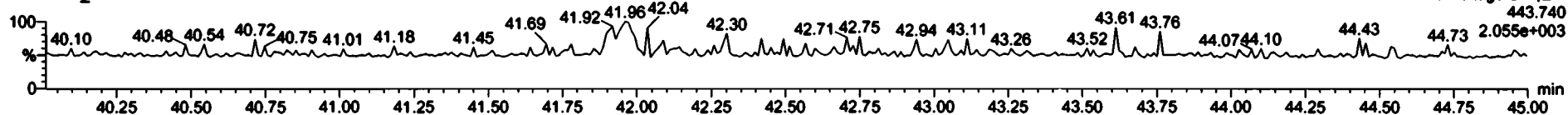
Name: 200529R2_9, Date: 29-May-2020, Time: 20:35:05, ID: 2000957-19 PDI-149SC-A-09-10-200425 11.5, Description: PDI-149SC-A-09-10-200425

OCDF

200529R2_9

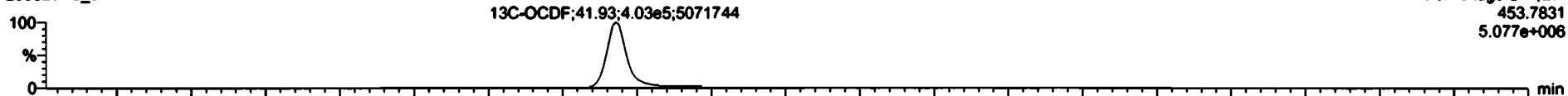


200529R2_9

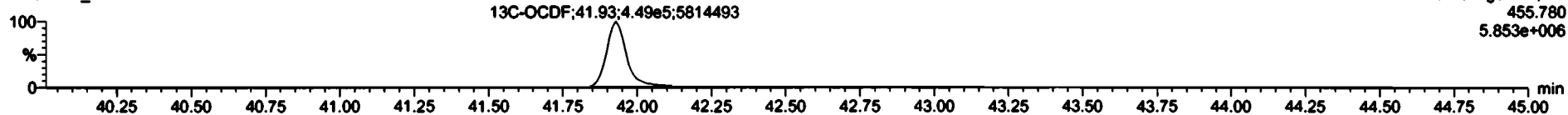


13C-OCDF

200529R2_9

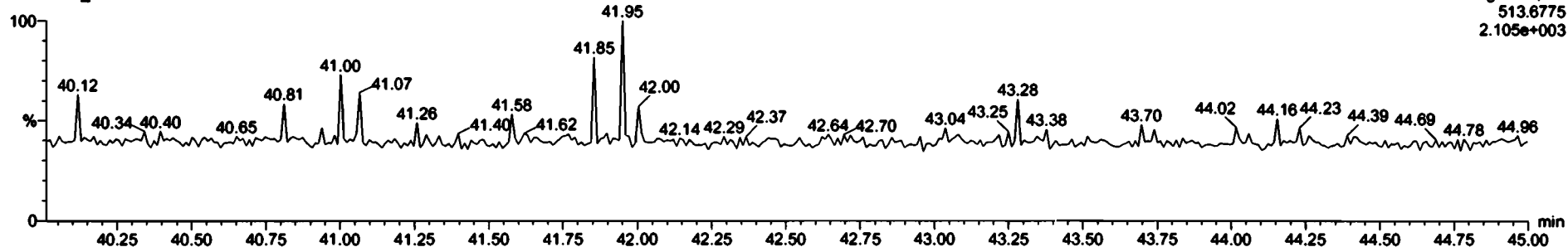


200529R2_9



DPE5

200529R2_9



Dataset: Untitled

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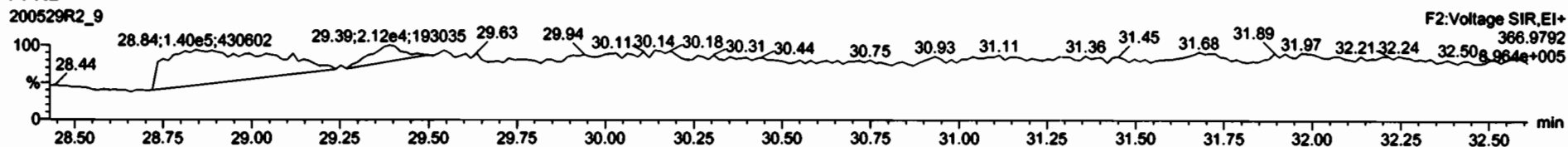
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Name: 200529R2_9, Date: 29-May-2020, Time: 20:35:05, ID: 2000957-19 PDI-149SC-A-09-10-200425 11.5, Description: PDI-149SC-A-09-10-200425

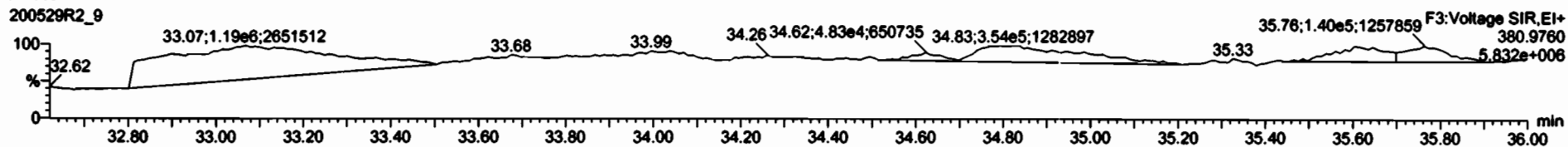
PFK1



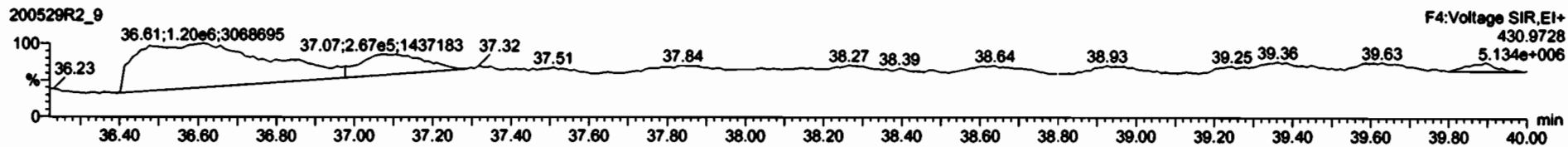
PFK2



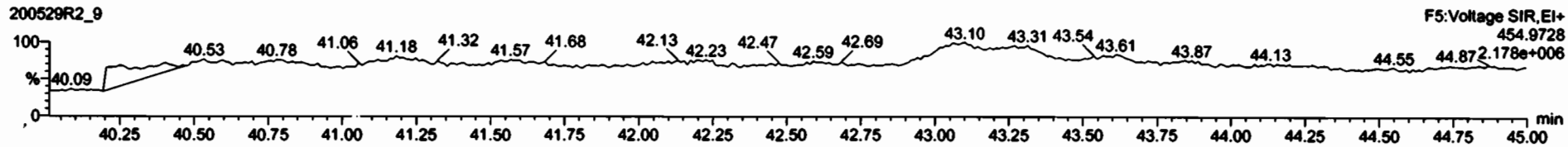
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200529R2\200529R2-10.qld

Last Altered: Monday, June 01, 2020 13:31:58 Pacific Daylight Time

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GRB 06/01/2020

CT 06/02/2020

Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17

Calibration: U:\VG12.PRO\CurveDB\cb5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200529R2_10, Date: 29-May-2020, Time: 21:21:16, ID: 2000957-20 PDI-149SC-A-10-11-200425 13.24, Description: PDI-149SC-A-10-11-200425

#	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	0.888	10.037	26.560		1.001				0.0401	
2	1,2,3,7,8-PeCDD			NO	0.908	10.037	31.503		1.001				0.0469	
3	1,2,3,4,7,8-HxCDD			NO	1.03	10.037	34.857		1.000				0.0550	
4	1,2,3,6,7,8-HxCDD			NO	0.892	10.037	34.953		1.000				0.0556	
5	1,2,3,7,8,9-HxCDD			NO	0.887	10.037	35.241		1.000				0.0658	
6	1,2,3,4,6,7,8-HpCDD	2.03e3	1.09	NO	0.864	10.037	38.789	38.79	1.000	1.000	0.78994		0.0753	0.790
7	OCDD	2.14e4	0.90	NO	0.914	10.037	41.748	41.76	1.000	1.000	9.3322		0.107	9.33
8	2,3,7,8-TCDF			NO	0.751	10.037	25.656		1.001				0.0225	
9	1,2,3,7,8-PeCDF			NO	0.893	10.037	30.220		1.001				0.0236	
10	2,3,4,7,8-PeCDF			NO	0.935	10.037	31.207		1.001				0.0212	
11	1,2,3,4,7,8-HxCDF			NO	0.884	10.037	33.963		1.000				0.0284	
12	1,2,3,6,7,8-HxCDF			NO	0.889	10.037	34.100		1.000				0.0248	
13	2,3,4,6,7,8-HxCDF			NO	0.934	10.037	34.711		1.001				0.0273	
14	1,2,3,7,8,9-HxCDF	1.55e2	0.94	YES	0.871	10.037	35.592	35.60	1.000	1.000	0.048040		0.0165	0.0420
15	1,2,3,4,6,7,8-HpCDF			NO	0.873	10.037	37.397		1.001				0.0395	
16	1,2,3,4,7,8,9-HpCDF			NO	1.01	10.037	39.320		1.000				0.0417	
17	OCDF			NO	0.806	10.037	41.940		1.000				0.0625	
18	13C-2,3,7,8-TCDD	1.20e6	0.79	NO	1.16	10.037	26.553	26.53	1.026	1.025	191.22	96.0	0.139	
19	13C-1,2,3,7,8-PeCDD	9.25e5	0.63	NO	0.849	10.037	31.748	31.48	1.227	1.217	200.79	101	0.158	
20	13C-1,2,3,4,7,8-HxCDD	6.86e5	1.27	NO	0.779	10.037	34.852	34.85	1.014	1.014	184.99	92.8	0.452	
21	13C-1,2,3,6,7,8-HxCDD	8.58e5	1.27	NO	1.02	10.037	34.965	34.95	1.017	1.017	177.13	88.9	0.346	
22	13C-1,2,3,7,8,9-HxCDD	7.60e5	1.28	NO	0.903	10.037	35.236	35.23	1.025	1.025	176.82	88.7	0.390	
23	13C-1,2,3,4,6,7,8-HpCDD	5.93e5	1.05	NO	0.689	10.037	38.763	38.78	1.128	1.128	180.54	90.6	0.396	
24	13C-OCDD	1.00e6	0.86	NO	0.652	10.037	41.787	41.75	1.216	1.215	321.99	80.8	0.361	
25	13C-2,3,7,8-TCDF	1.55e6	0.77	NO	1.06	10.037	25.593	25.63	0.989	0.991	185.70	93.2	0.261	
26	13C-1,2,3,7,8-PeCDF	1.33e6	1.62	NO	0.838	10.037	30.128	30.20	1.165	1.167	201.91	101	0.351	
27	13C-2,3,4,7,8-PeCDF	1.32e6	1.59	NO	0.817	10.037	31.083	31.18	1.202	1.205	206.19	103	0.360	
28	13C-1,2,3,4,7,8-HxCDF	8.64e5	0.51	NO	1.01	10.037	33.982	33.96	0.989	0.988	180.03	90.3	0.351	
29	13C-1,2,3,6,7,8-HxCDF	1.01e6	0.51	NO	1.17	10.037	34.106	34.09	0.992	0.992	181.59	91.1	0.303	
30	13C-2,3,4,6,7,8-HxCDF	8.87e5	0.51	NO	1.02	10.037	34.680	34.68	1.009	1.009	182.17	91.4	0.346	
31	13C-1,2,3,7,8,9-HxCDF	7.38e5	0.51	NO	0.860	10.037	35.580	35.59	1.035	1.036	180.32	90.5	0.411	

Dataset: U:\VG12.PRO\Results\200529R2\200529R2-10.qld

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Name: 200529R2_10, Date: 29-May-2020, Time: 21:21:16, ID: 2000957-20 PDI-149SC-A-10-11-200425 13.24, Description: PDI-149SC-A-10-11-200425

# Name	Resp	RA	n/y	R/Rf	w/vol	Pred:RT	RT	Pred:RRT	RRT	Conc	Wt%	CD	EMSC
32 13C-1,2,3,4,6,7,8-HpCDF	6.53e5	0.43	NO	0.774	10.037	37.329	37.36	1.086	1.087	177.02	88.8	0.378	
33 13C-1,2,3,4,7,8,9-HpCDF	4.43e5	0.43	NO	0.521	10.037	39.361	39.32	1.145	1.144	178.46	89.6	0.562	
34 13C-OCDF	1.14e6	0.88	NO	0.746	10.037	41.959	41.94	1.221	1.220	322.19	80.8	0.311	
35 37Cl-2,3,7,8-TCDD	5.13e5			1.04	10.037	26.584	26.54	1.028	1.026	91.146	114	0.0495	
36 13C-1,2,3,4-TCDD	1.08e6	0.79	NO	1.00	10.037	26.000	25.87	1.000	1.000	199.26	100	0.161	
37 13C-1,2,3,4-TCDF	1.57e6	0.79	NO	1.00	10.037	24.360	24.19	1.000	1.000	199.26	100	0.276	
38 13C-1,2,3,4,6,9-HxCDF	9.49e5	0.50	NO	1.00	10.037	34.420	34.37	1.000	1.000	199.26	100	0.354	
39 Total Tetra-Dioxins				0.888	10.037	24.620		0.000		0.14309		0.0401	0.143
40 Total Penta-Dioxins				0.908	10.037	29.960		0.000		0.10434		0.0469	0.104
41 Total Hexa-Dioxins				0.892	10.037	33.635		0.000		0.94736		0.0612	0.947
42 Total Hepta-Dioxins				0.864	10.037	37.640		0.000		2.3058		0.0753	2.31
43 Total Tetra-Furans				0.751	10.037	23.610		0.000				0.0107	
44 1st Func. Penta-Furans				0.893	10.037	27.090		0.000				0.00528	
45 Total Penta-Furans				0.893	10.037	29.275		0.000				0.00735	
46 Total Hexa-Furans				0.934	10.037	33.555		0.000		0.00000		0.0116	0.0495
47 Total Hepta-Furans				0.873	10.037	37.835		0.000				0.0163	

Dataset: U:\VG12.PRO\Results\200529R2\200529R2-10.qld

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 Printed: Monday, June 01, 2020 13:32:50 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17
 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200529R2_10, Date: 29-May-2020, Time: 21:21:16, ID: 2000957-20 PDI-149SC-A-10-11-200425 13.24, Description: PDI-149SC-A-10-11-200425

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Tetra-Dioxins	24.36	4.947e3	6.766e3	3.052e2	4.599e2	0.66	NO	7.650e2	0.14309	0.14309	0.0401

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Penta-Dioxins	29.79	2.621e3	4.773e3	1.764e2	2.633e2	0.67	NO	4.396e2	0.10434	0.10434	0.0469

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Hexa-Dioxins	33.35	2.907e4	1.920e4	1.410e3	1.017e3	1.39	NO	2.426e3	0.70542	0.70542	0.0612
Total Hexa-Dioxins	34.19	8.194e3	4.868e3	4.811e2	3.512e2	1.37	NO	8.322e2	0.24195	0.24195	0.0612

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
Total Hepta-Dioxins	37.78	2.490e4	2.674e4	1.934e3	1.961e3	0.99	NO	3.895e3	1.5158	1.5158	0.0753
1,2,3,4,6,7,8-HpCDD	38.79	1.715e4	1.844e4	1.056e3	9.734e2	1.09	NO	2.030e3	0.78994	0.78994	0.0753

Tetra-Furans

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

Penta-Furans function 1

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

Dataset: U:\VG12.PRO\Results\200529R2\200529R2-10.qld

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Name: 200529R2_10, Date: 29-May-2020, Time: 21:21:16, ID: 2000957-20 PDI-149SC-A-10-11-200425 13.24, Description: PDI-149SC-A-10-11-200425

Penta-Furans

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

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1,2,3,7,8,9-HxCDF	35.60	1.469e3	2.239e3	7.498e1	7.999e1	0.94	YES	1.550e2	0.00000	0.041988	0.0165
Total Hexa-Furans	35.66	6.480e2	1.626e3	1.701e1	3.118e1	0.55	YES	0.000e0	0.00000	0.00749...	0.0116

Hepta-Furans

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

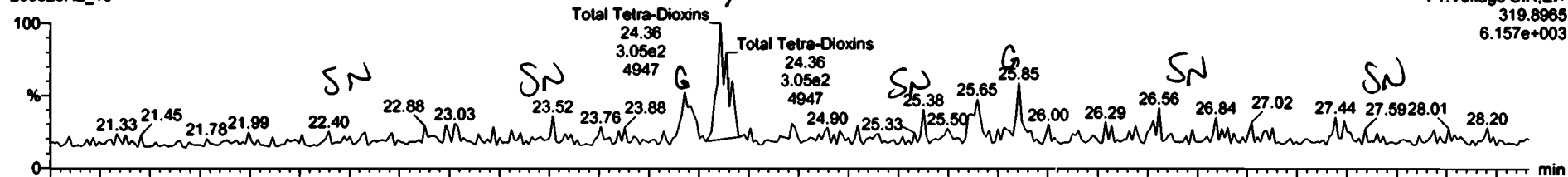
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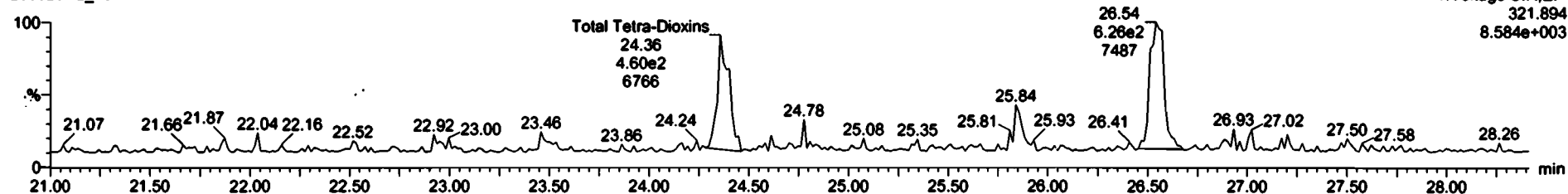
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2,3,7,8-TCDD

200529R2_10



200529R2_10

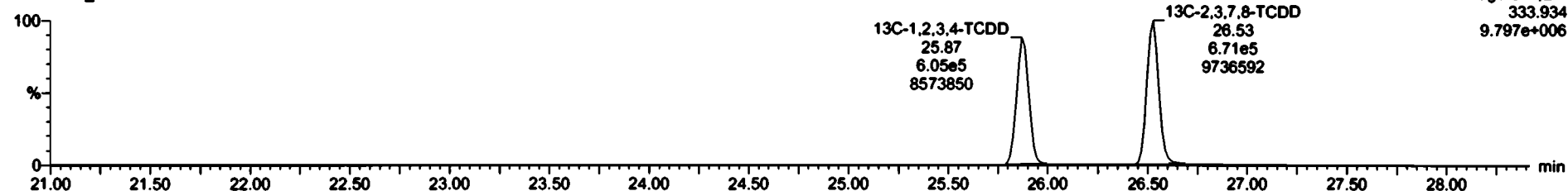


13C-2,3,7,8-TCDD

200529R2_10



200529R2_10



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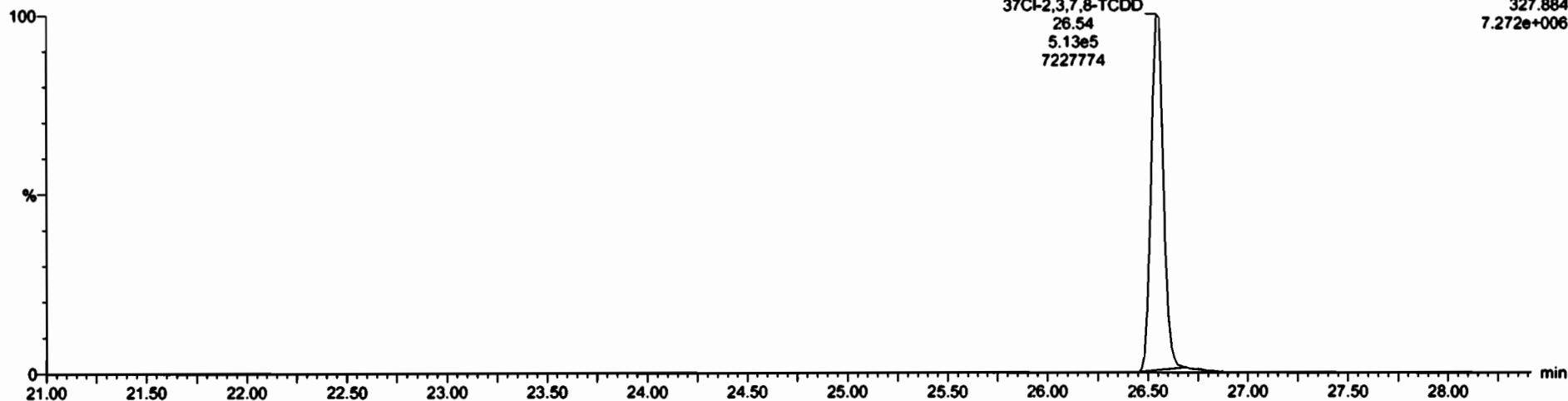
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37Cl-2,3,7,8-TCDD

200529R2_10

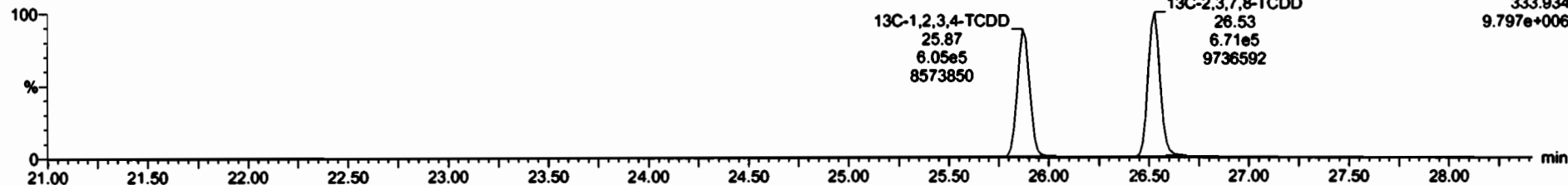


13C-1,2,3,4-TCDD

200529R2_10



200529R2_10



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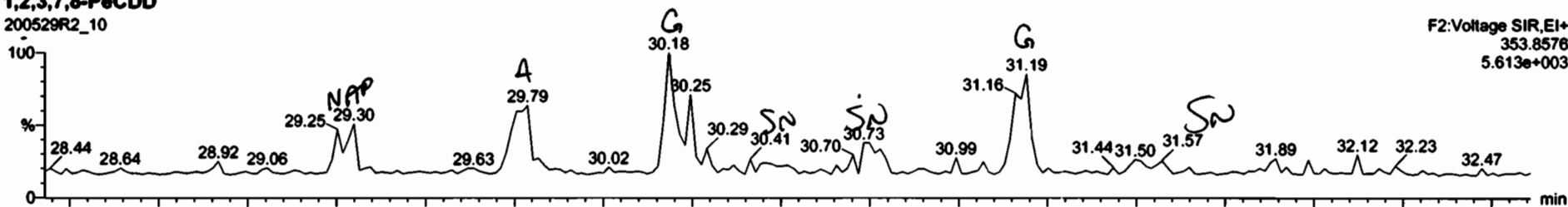
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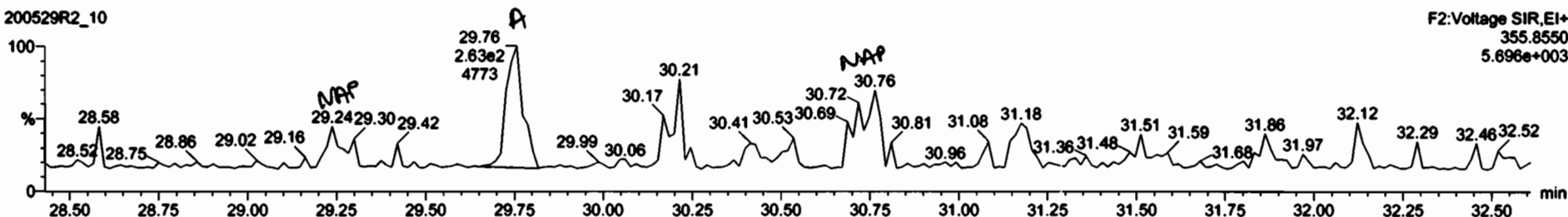
1,2,3,7,8-PeCDD

200529R2_10



F2: Voltage SIR, EI+
353.8576
5.613e+003

200529R2_10



F2: Voltage SIR, EI+
355.8550
5.696e+003

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

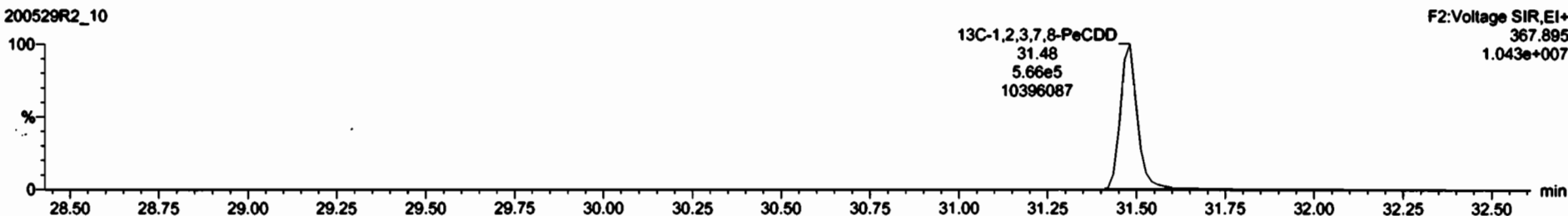
200529R2_10



13C-1,2,3,7,8-PeCDD
31.48
3.59e5
6738578

F2: Voltage SIR, EI+
365.8978
6.765e+006

200529R2_10

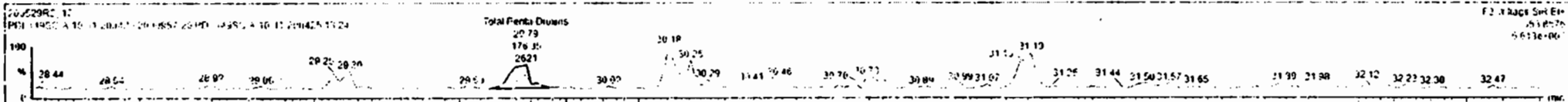


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31.48
5.66e5
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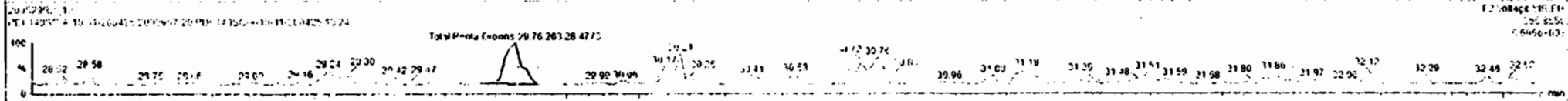
F2: Voltage SIR, EI+
367.895
1.043e+007

Name	Prop	Pa	SP	PPF	u-PV9	ST	ST	Calc	%Calc	DL	EMPC
total Penta-Oxons				0.983	10.837			3.147	0.001	0.143	
total Penta-Dioxins				0.861	18.827			8.104	0.000	0.778	

Name	RT	Std Name	Std Resp	SA	SY	EMPC	Calc
total Penta-Dioxins	29.79	1-PentD	2.853e2	0.07	MC	1.107e2	0.000e0



F2 Voltage: 5kV
5.58e7e
5.651e-007



F2 Voltage: 5kV
5.651e-007



F2 Voltage: 5kV
5.651e-007



F2 Voltage: 5kV
5.678e-007

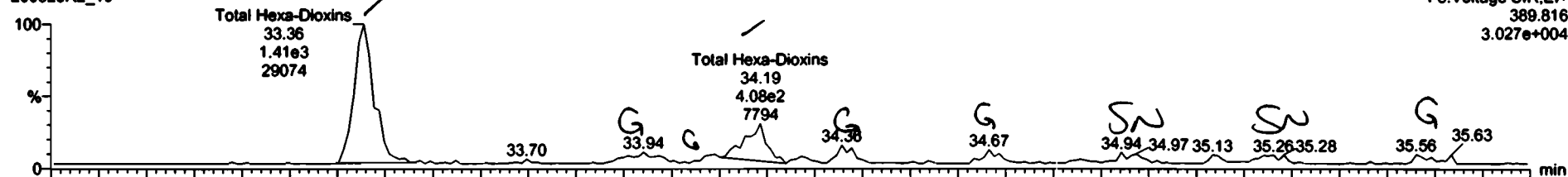
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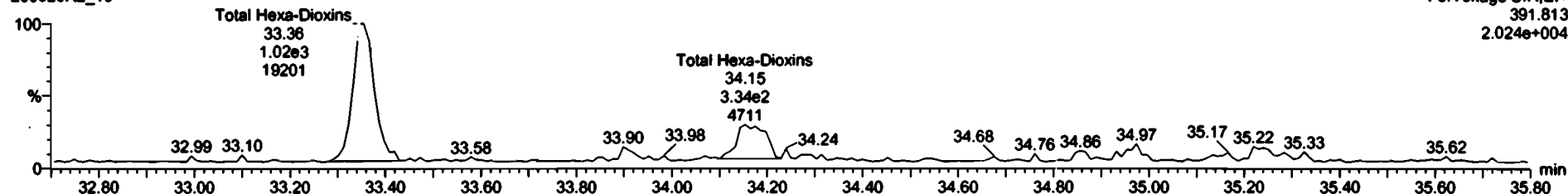
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1,2,3,4,7,8-HxCDD

200529R2_10



200529R2_10

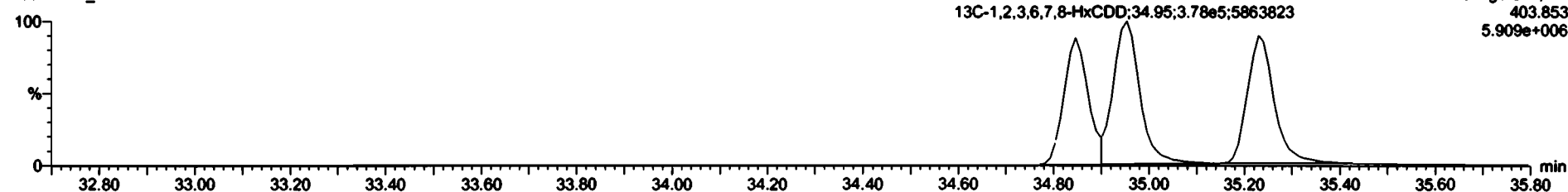


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200529R2_10

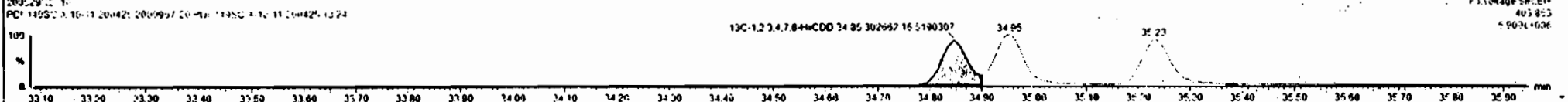
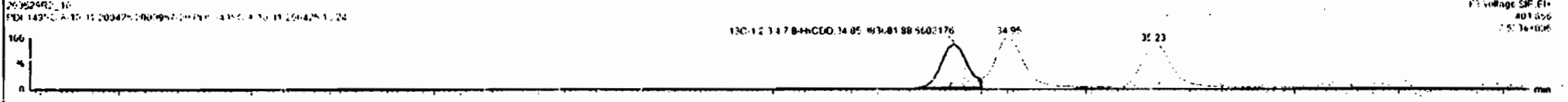
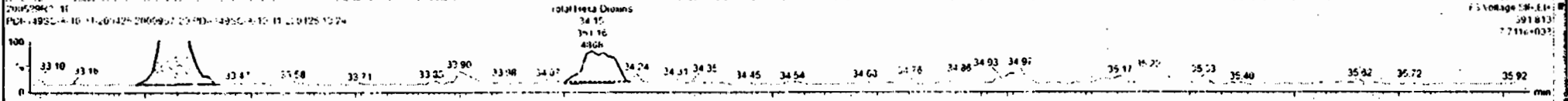
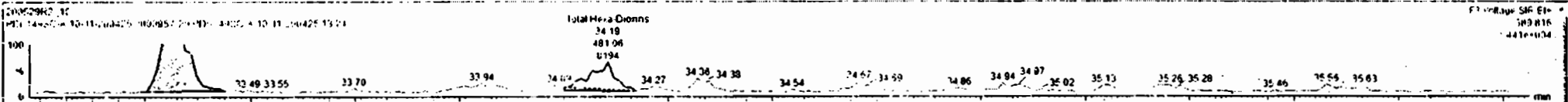


200529R2_10



SI	Name	Resp	RA	ry	RF	adVol	RT	QRT	Comp	%Rec	DL	HFPC
30	Total Tetra-Dioxins				0.0863	10.837				0.147	0.2471	0.147
40	Total Hexa-Dioxins				0.0981	10.037				0.104	0.2469	0.121

SI	Name	RT	ml Resp	ml Resp	NA	RP	EMPC	Comp
1	Total Hexa-Dioxins	33.35	7.410e3	1.011e3	1.19	NO	0.70e42	0.70542
2	Total Hexa-Dioxins	34.19	4.811e2	2.572e2	1.27	NO	0.44199	0.44199



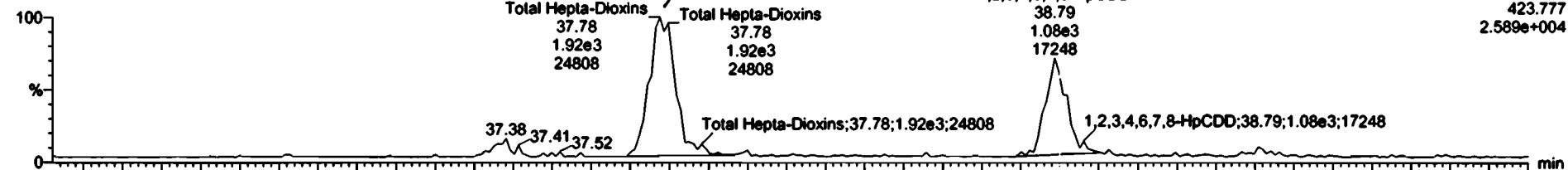
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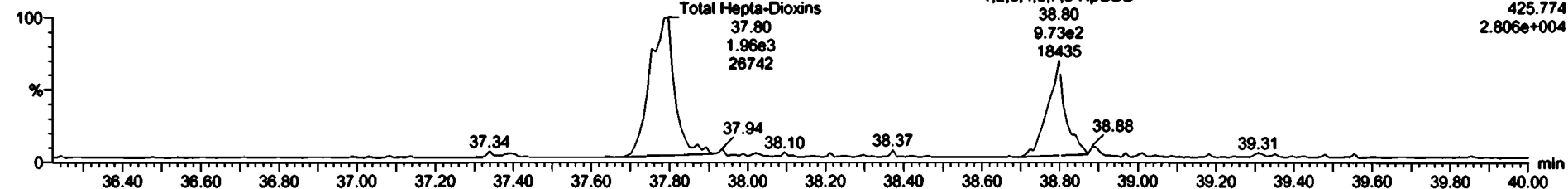
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1,2,3,4,6,7,8-HpCDD

200529R2_10

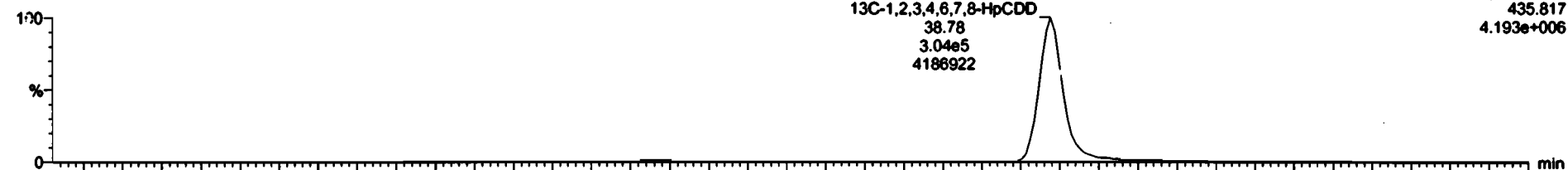


200529R2_10

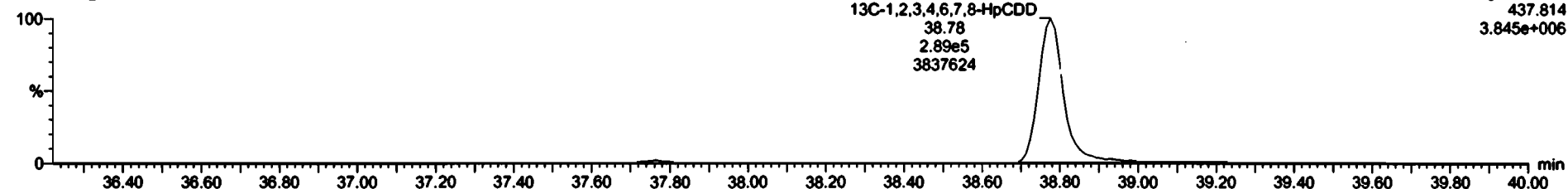


13C-1,2,3,4,6,7,8-HpCDD

200529R2_10

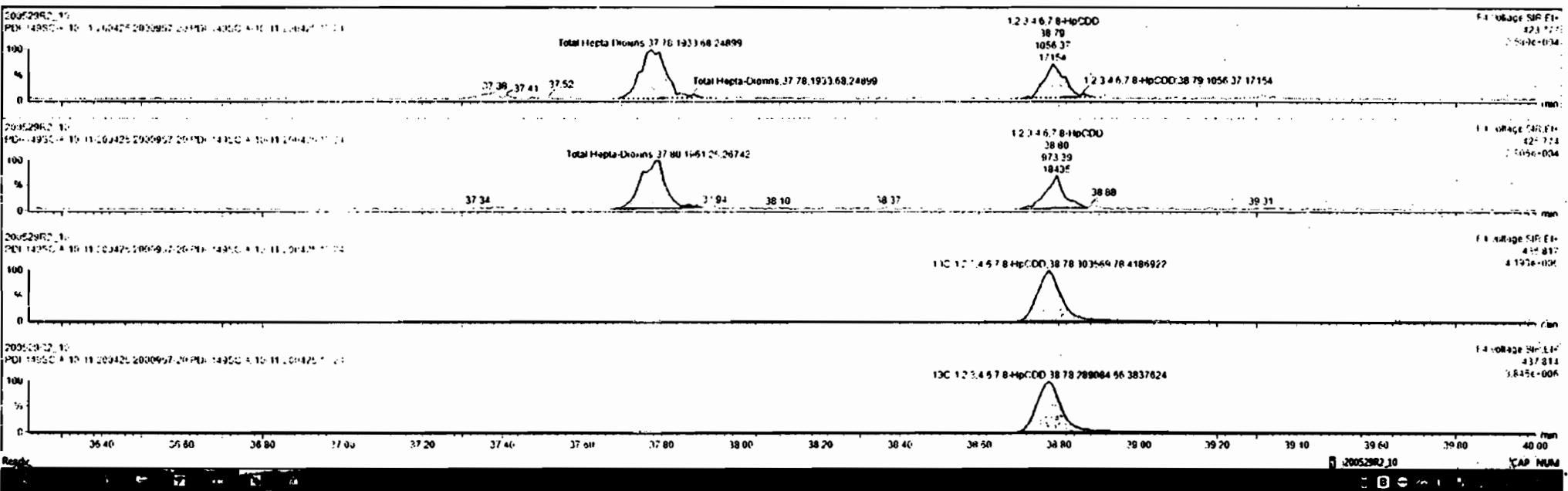


200529R2_10



File	Resp	RA	inj	RRF	injVol	RT	RRT	Conc	%Rec	TV	EMPC
2	Total Hepta-Chroms			0.6839	10.007				0.337		2.31
3	Total Hepta-Chroms			0.7511	10.007					0.010	

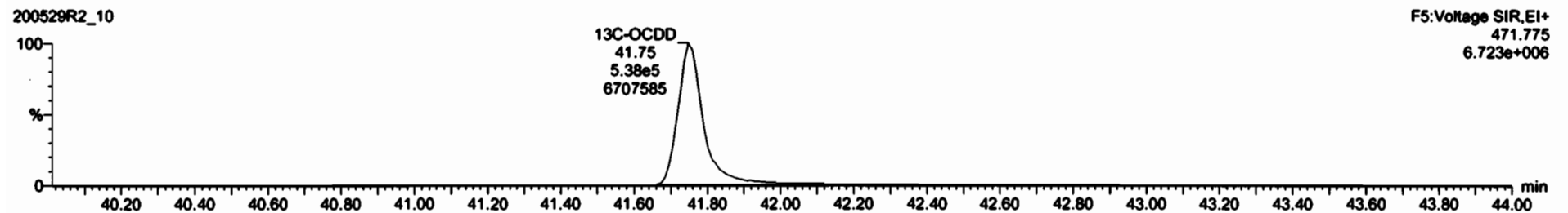
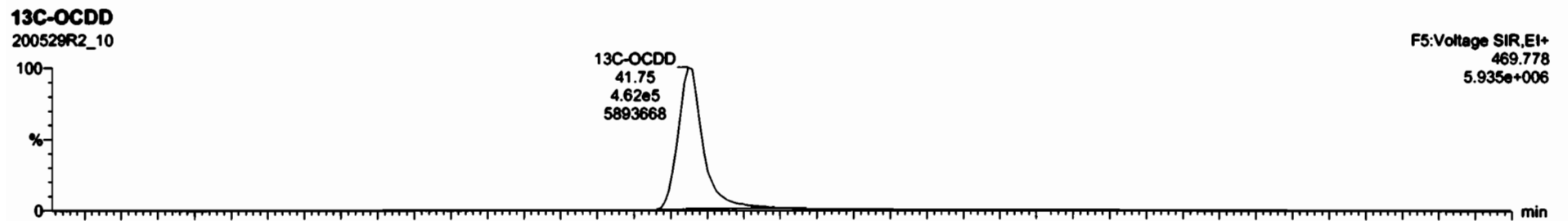
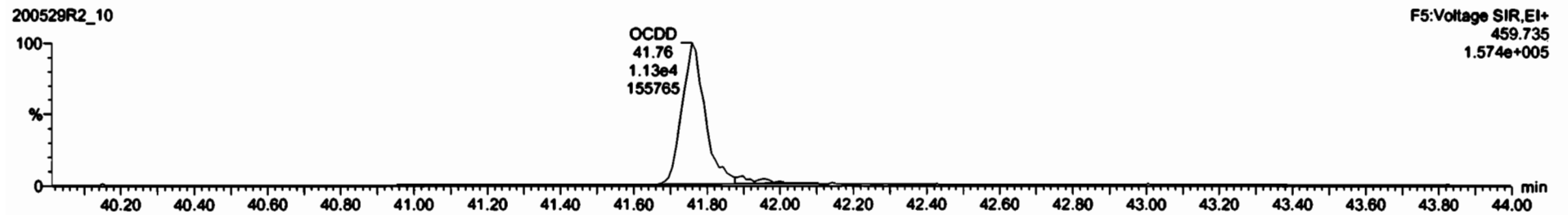
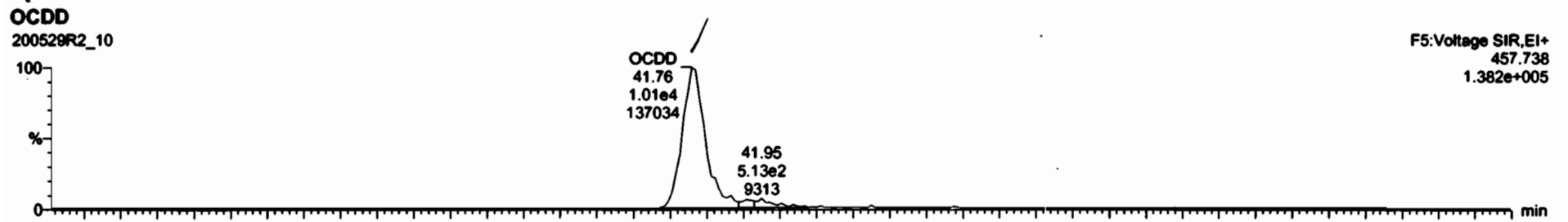
File	RT	inj Resp	inj Conc	RA	inj	EMPC	Conc
1	Total Hepta-Chroms	37.78	1.934e3	1.961e3	0.96	1.11E8	1.51E2
2	1,2,3,4,6,7,8-HpCDD	38.79	1.856e2	9.724e2	1.01	1.0E8	6.789E4



Dataset: Untitled

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Name: 200529R2_10, Date: 29-May-2020, Time: 21:21:16, ID: 2000957-20 PDI-149SC-A-10-11-200425 13.24, Description: PDI-149SC-A-10-11-200425



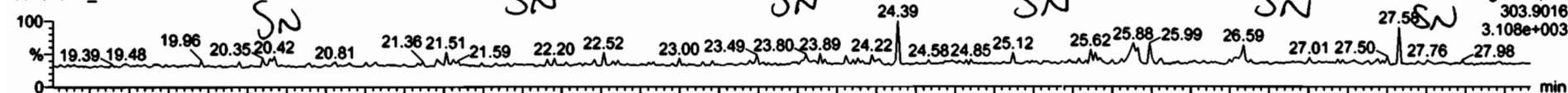
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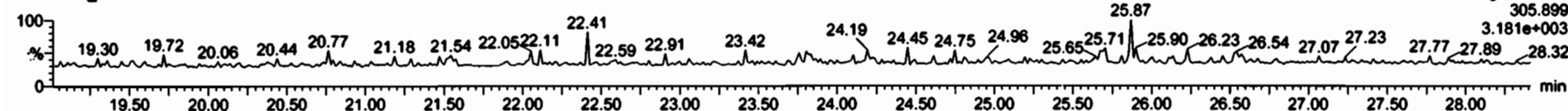
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2,3,7,8-TCDF

200529R2_10

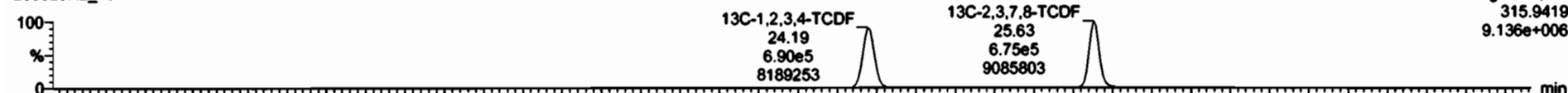


200529R2_10

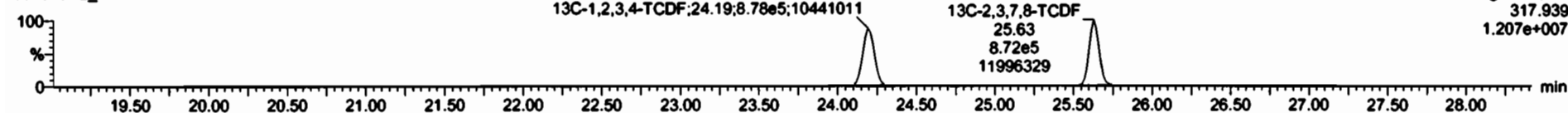


13C-2,3,7,8-TCDF

200529R2_10

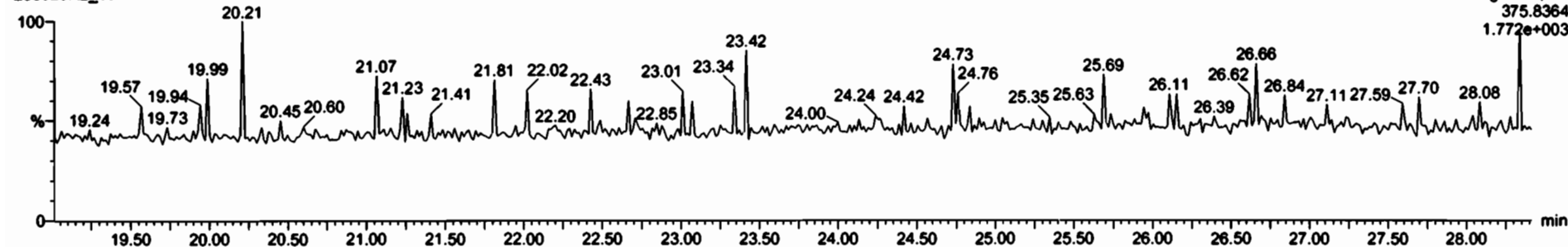


200529R2_10



DPE1

200529R2_10



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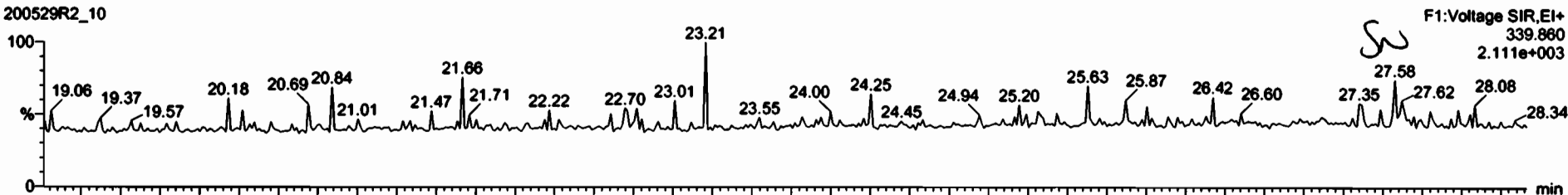
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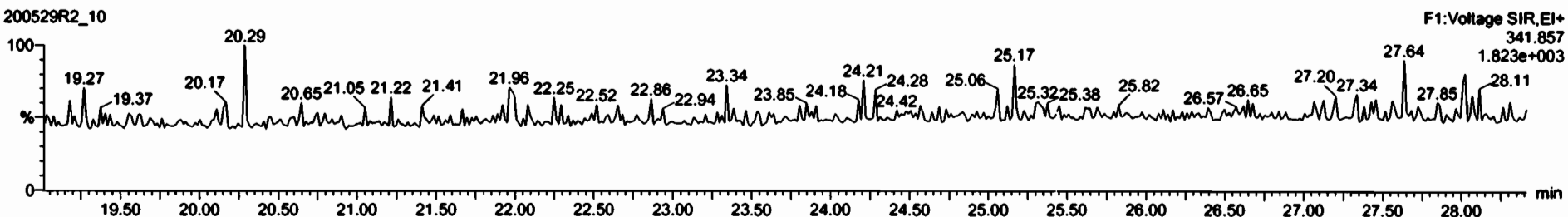
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1st Func. Penta-Furans

200529R2_10

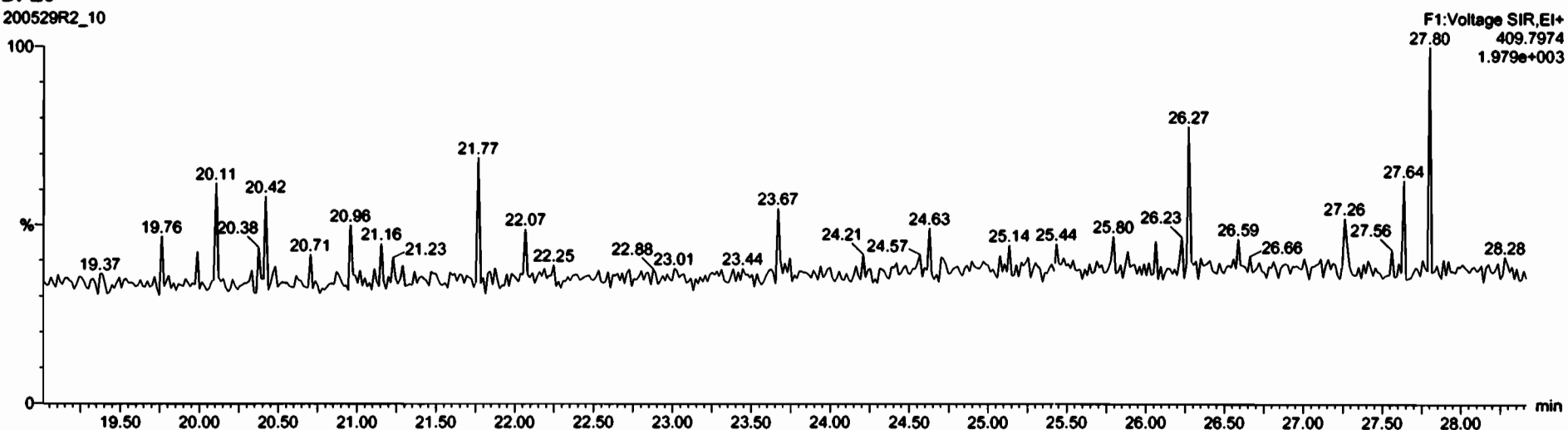


200529R2_10



DPE6

200529R2_10



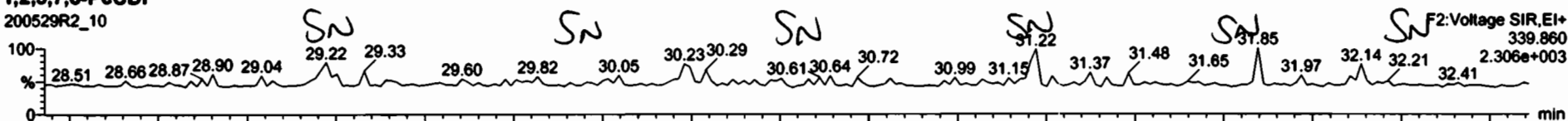
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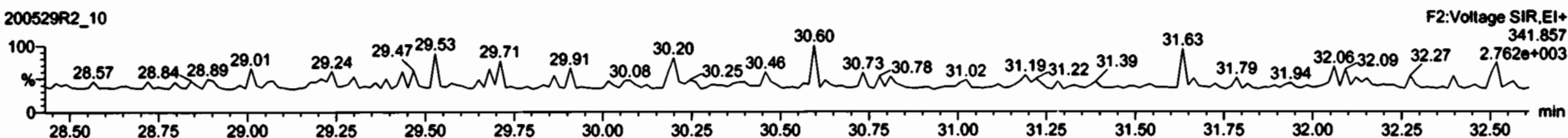
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1,2,3,7,8-PeCDF

200529R2_10

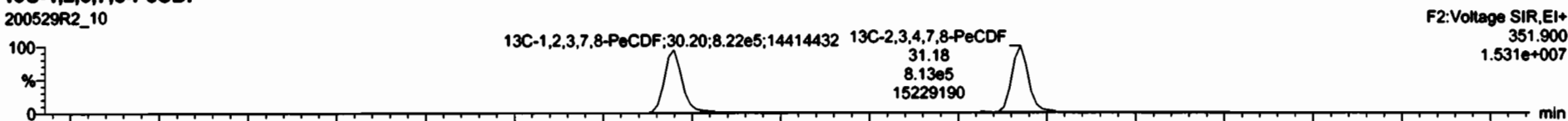


200529R2_10

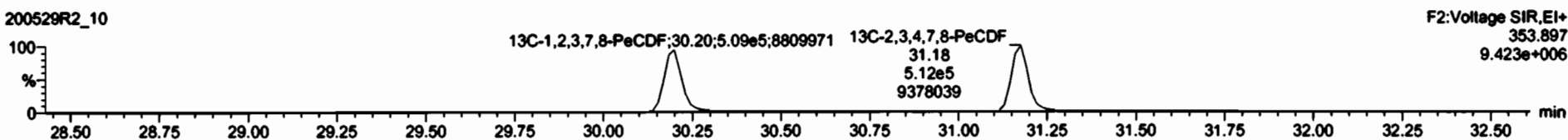


13C-1,2,3,7,8-PeCDF

200529R2_10

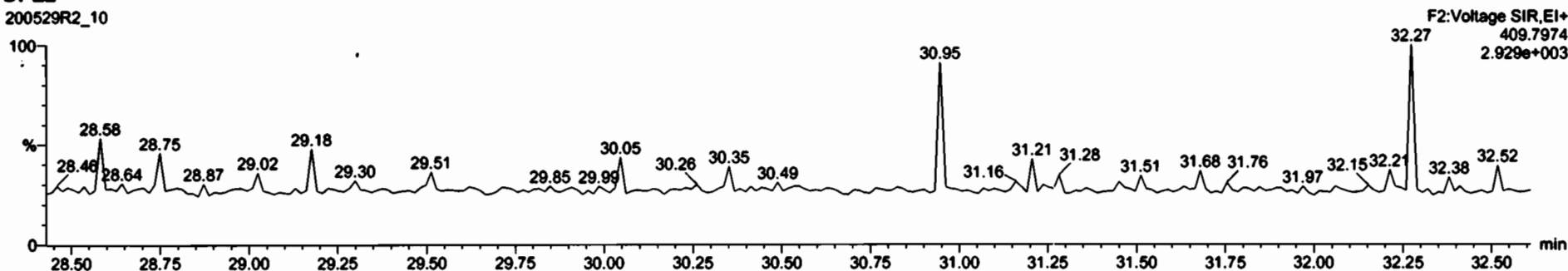


200529R2_10



DPE2

200529R2_10

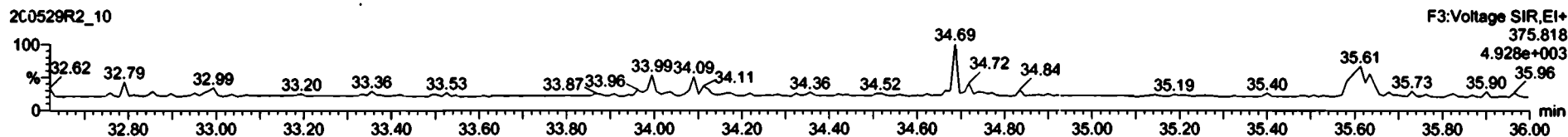
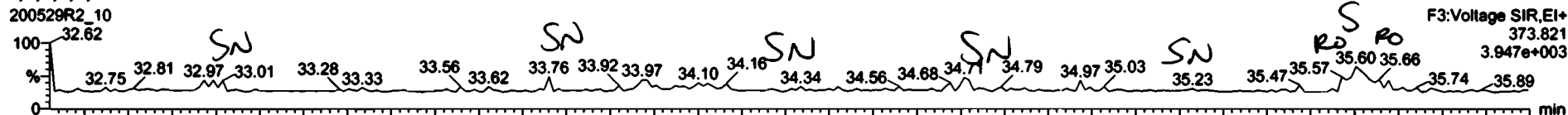


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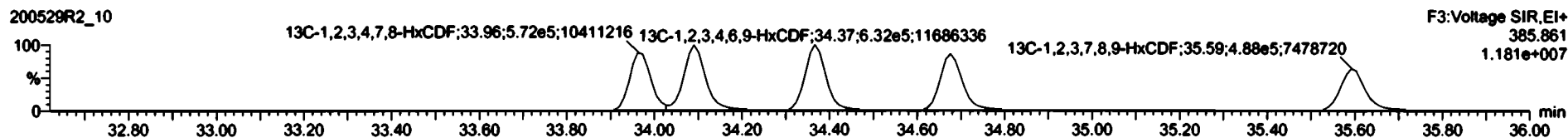
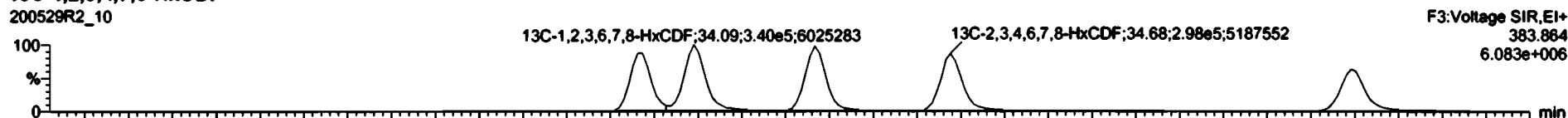
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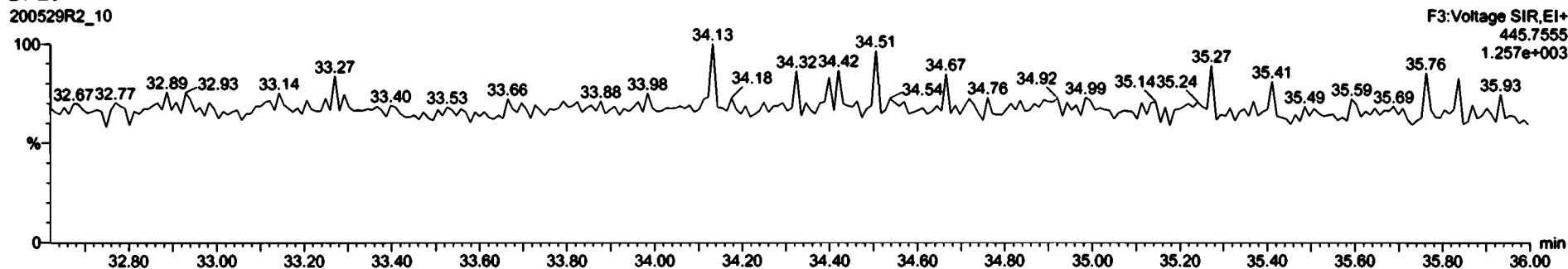
1,2,3,4,7,8-HxCDF



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

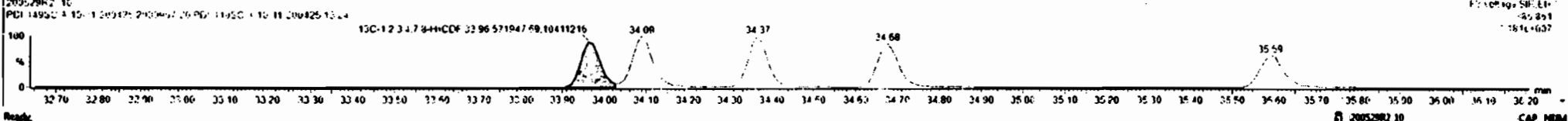
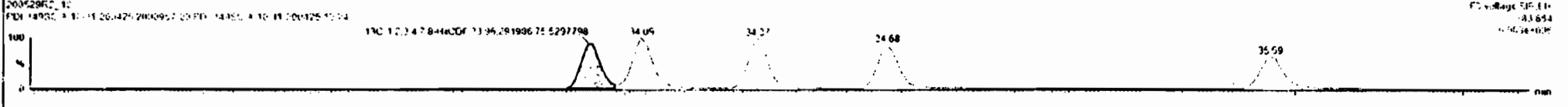
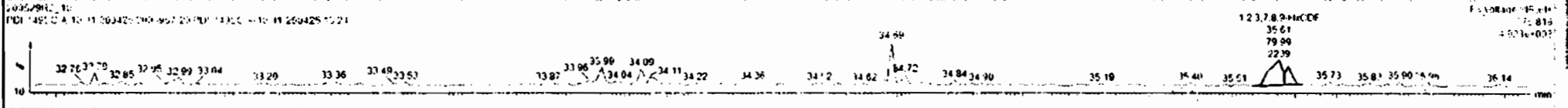
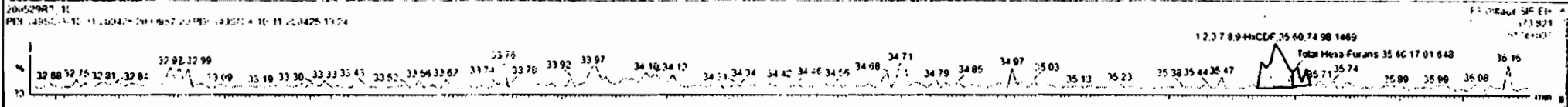


DPE3



#	Name	Resp	RA	dy	RF	wvnt	RT	RR	Conc	%Rec	Cl	EMPC
05	Total Penta-Furans				0.862E	10.837					0.00731	
06	Total Hexa-Furans				0.894E	16.427			0.000		0.0116	0.0460

#	Name	RT	int Resp	int Resp	RA	dy	EMPC	Conc
1	1,2,3,7,8-HxCDF	35.60	7.490e1	7.999e1	0.54	YE S	0.04168	0.0000
2	Total Hexa-Furans	35.66	1.701e1	1.118e1	0.55	YS	0.06749	< 0.0003

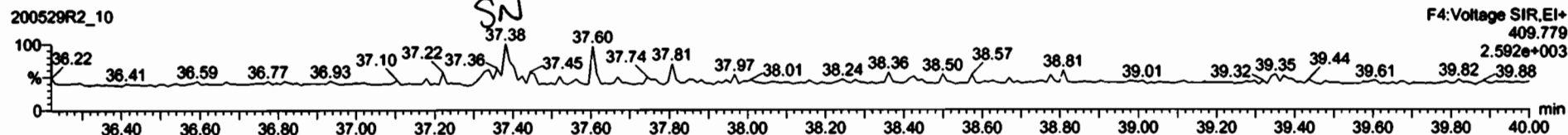
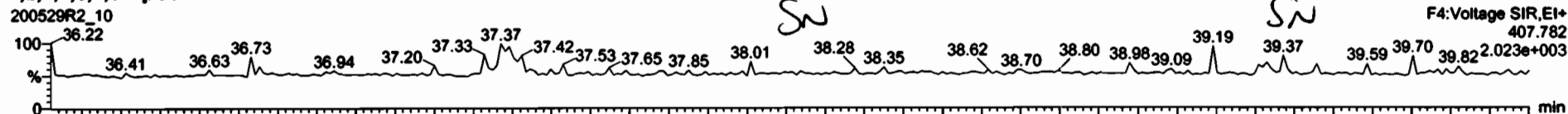


Dataset: Untitled

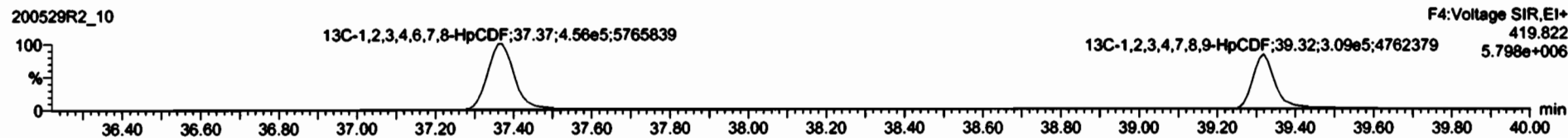
Last Altered: Monday, June 01, 2020 7:46:05 AM Pacific Daylight Time
Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

Name: 200529R2_10, Date: 29-May-2020, Time: 21:21:16, ID: 2000957-20 PDI-149SC-A-10-11-200425 13.24, Description: PDI-149SC-A-10-11-200425

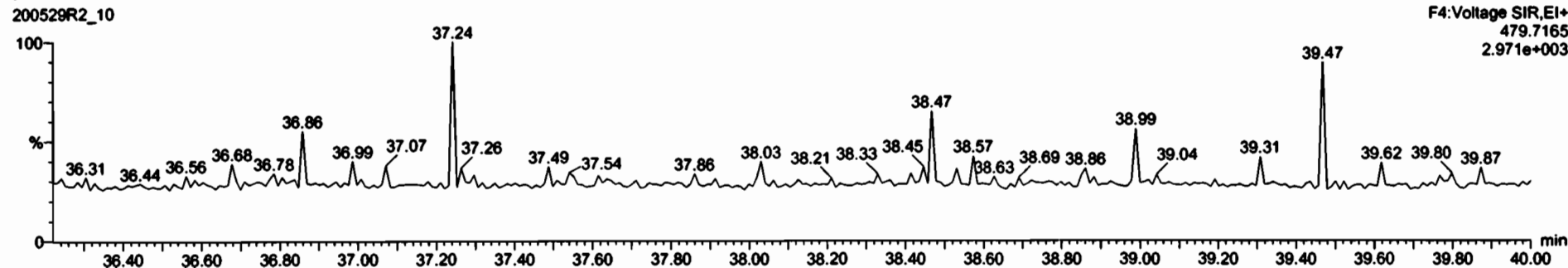
1,2,3,4,6,7,8-HpCDF



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



DPE4



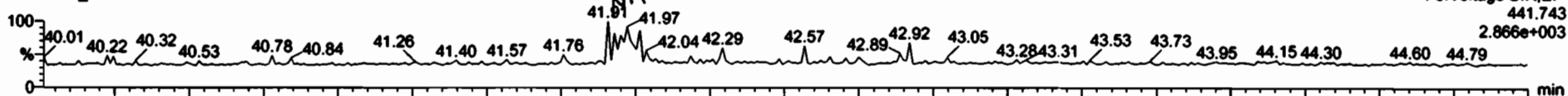
Dataset: Untitled

Last Altered: Monday, June 01, 2020 7:46:05 AM Pacific Daylight Time
Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

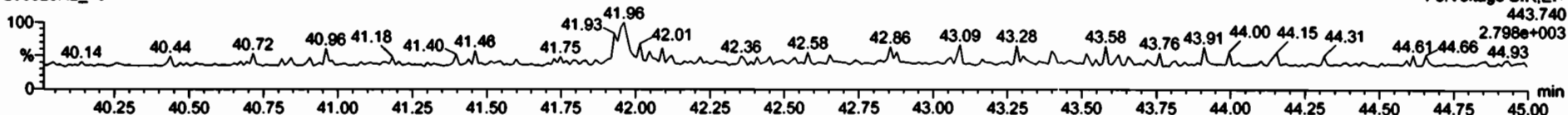
Name: 200529R2_10, Date: 29-May-2020, Time: 21:21:16, ID: 2000957-20 PDI-149SC-A-10-11-200425 13.24, Description: PDI-149SC-A-10-11-200425

OCDF

200529R2_10

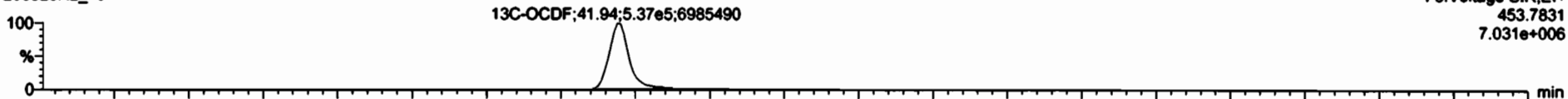


200529R2_10

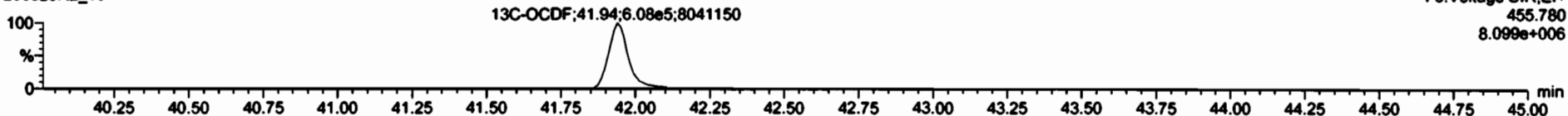


13C-OCDF

200529R2_10

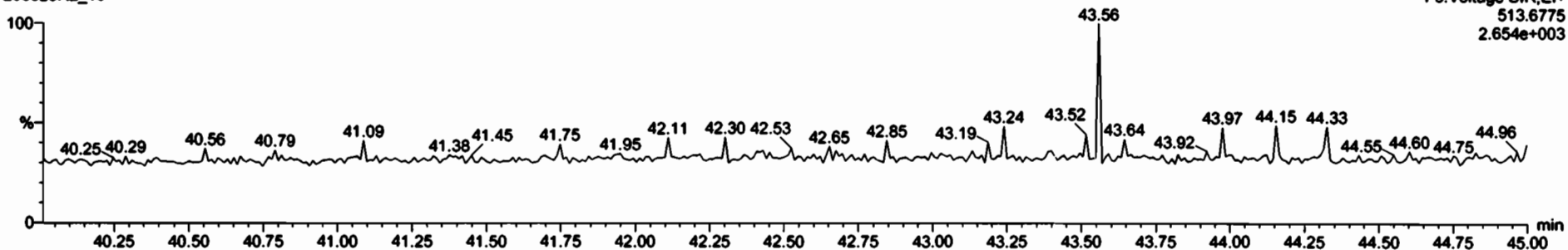


200529R2_10



DPE5

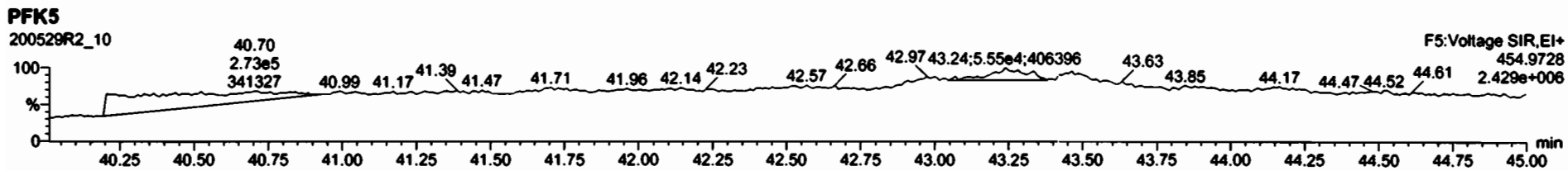
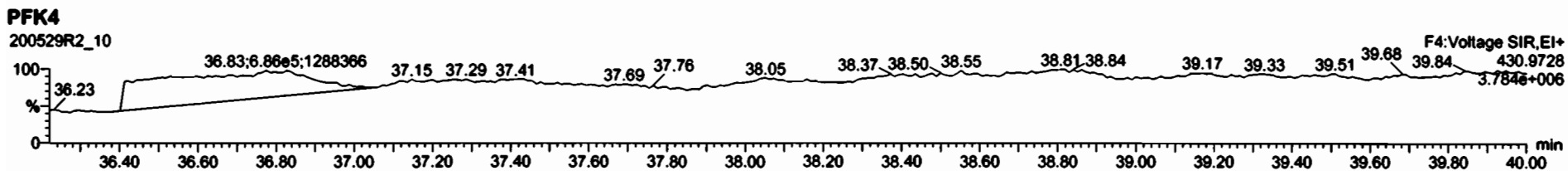
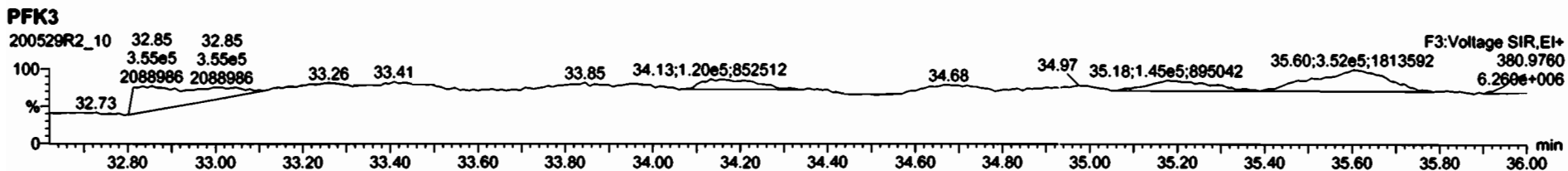
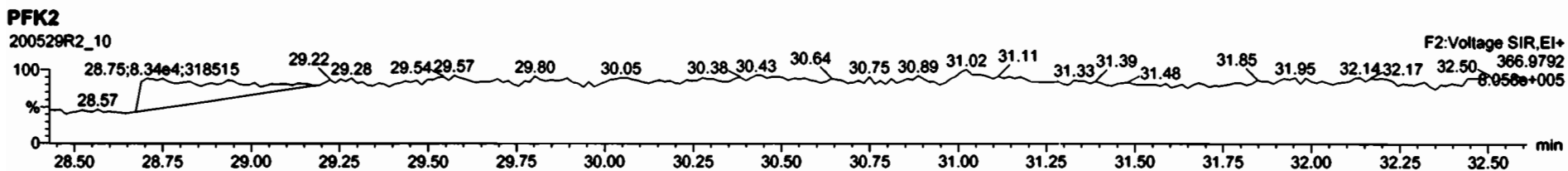
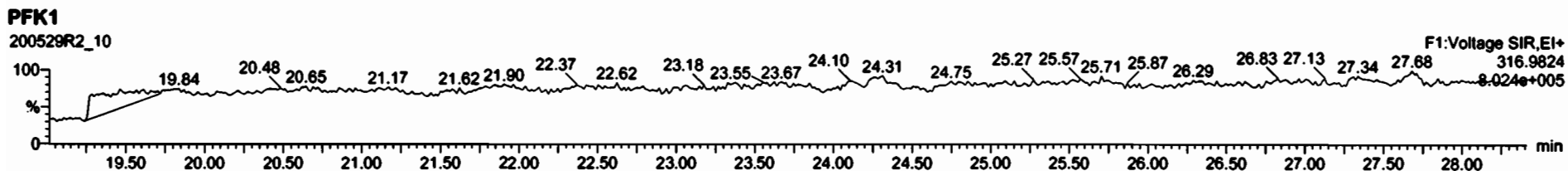
200529R2_10



Dataset: Untitled

Last Altered: Monday, June 01, 2020 7:46:05 AM Pacific Daylight Time
Printed: Monday, June 01, 2020 7:46:23 AM Pacific Daylight Time

Name: 200529R2_10, Date: 29-May-2020, Time: 21:21:16, ID: 2000957-20 PDI-149SC-A-10-11-200425 13.24, Description: PDI-149SC-A-10-11-200425



CONFIRMATION

Dataset: U:\VG7.PRO\Results\200520D1\200520D1_17.qld

Last Altered: Thursday, May 21, 2020 09:57:01 Pacific Daylight Time
Printed: Thursday, May 21, 2020 09:58:06 Pacific Daylight Time

DB 5/21/20 CT 26/02/2020

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200520D1_17, Date: 20-May-2020, Time: 21:00:27, ID: 2000957-01RE1 PDI-1147SC-A-13-14-200425 17.36, Description: PDI-1147SC-A-13-14-200425

Peak #	Comp	Resp	RA	In/Ex	RRF	Wt/Vol	Pred RT	RFL	Pred RRT	RRT	Conc	SP	Area
1	2,3,7,8-TCDF	3.19e3	0.73	NO	0.982	10.040	17.666	17.67	1.000	1.001	39.709	2.96	39.7
2	13C-2,3,7,8-TCDF	1.63e4	0.80	NO	1.08	10.040	17.701	17.65	1.133	1.135	171.25	86.0	7.21
3	13C-1,2,3,4-TCDF	1.75e4	0.84	NO	1.00	10.040	15.660	15.54	1.000	1.000	199.20	100	7.80

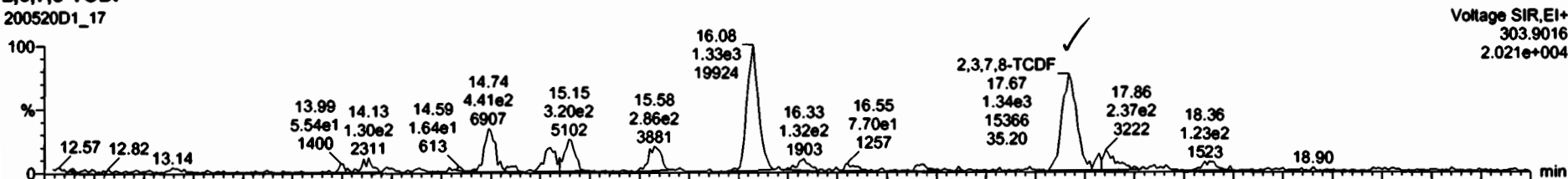
Dataset: U:\VG7.PRO\Results\200520D1\200520D1_17.qld

Last Altered: Thursday, May 21, 2020 09:57:01 Pacific Daylight Time
Printed: Thursday, May 21, 2020 09:58:25 Pacific Daylight Time

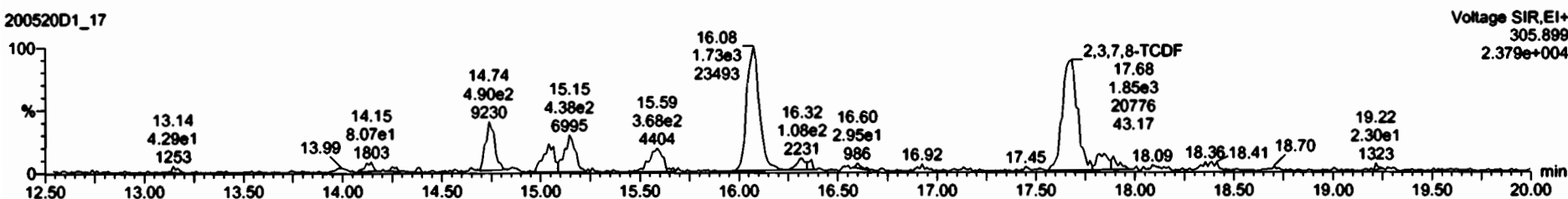
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200520D1_17, Date: 20-May-2020, Time: 21:00:27, ID: 2000957-01RE1 PDI-1147SC-A-13-14-200425 17.36, Description: PDI-1147SC-A-13-14-200425

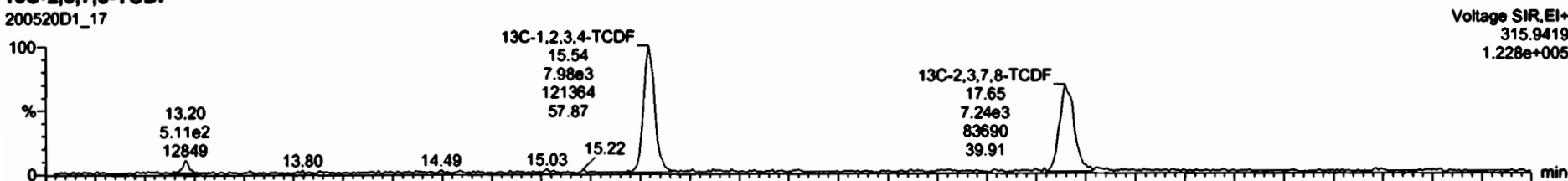
2,3,7,8-TCDF
200520D1_17



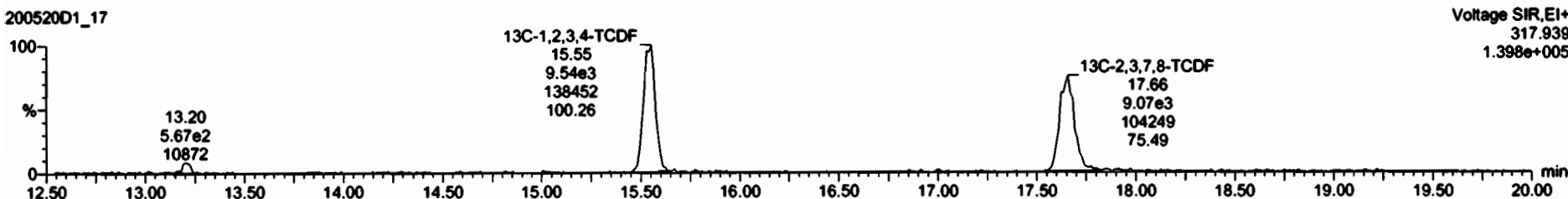
200520D1_17



13C-2,3,7,8-TCDF
200520D1_17



200520D1_17



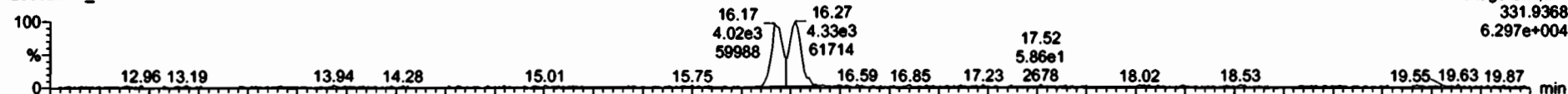
Dataset: U:\VG7.PRO\Results\200520D1\200520D1_17.qld

Last Altered: Thursday, May 21, 2020 09:57:01 Pacific Daylight Time
Printed: Thursday, May 21, 2020 09:58:25 Pacific Daylight Time

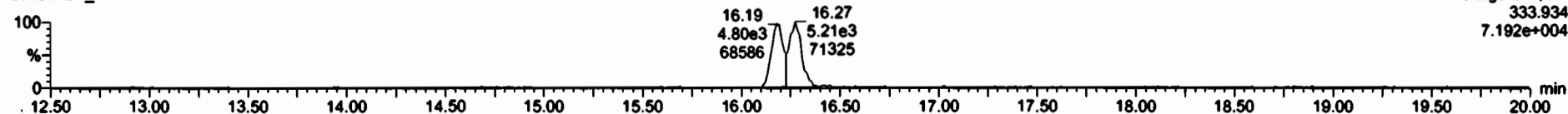
Name: 200520D1_17, Date: 20-May-2020, Time: 21:00:27, ID: 2000957-01RE1 PDI-1147SC-A-13-14-200425 17.36, Description: PDI-1147SC-A-13-14-200425

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

200520D1_17

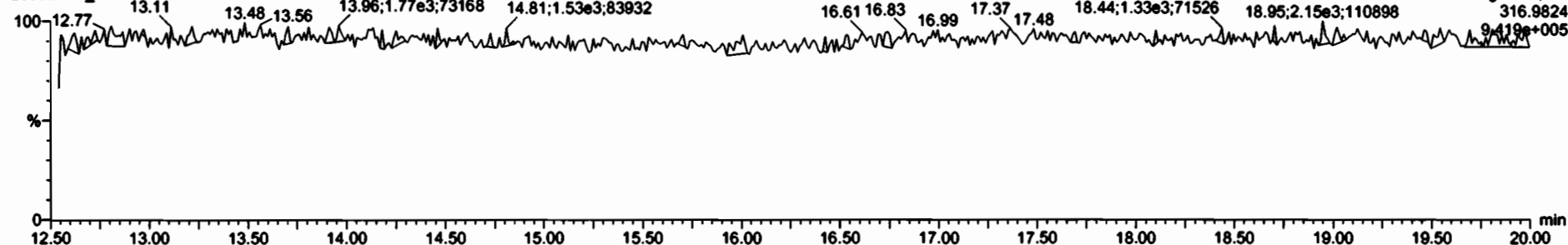


200520D1_17



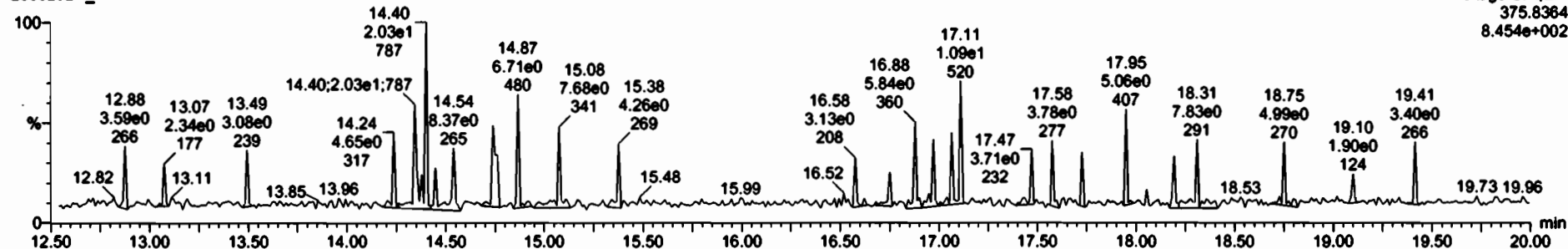
PFK1

200520D1_17



DPE1

200520D1_17



Dataset: U:\VG7.PRO\Results\200520D1\200520D1_18.qld

Last Altered: Thursday, May 21, 2020 10:01:45 Pacific Daylight Time
Printed: Thursday, May 21, 2020 10:02:02 Pacific Daylight Time

DB 5/21/20 CT 06/02/2020

Method: C:\MassLynx\Default.PROMethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200520D1_18, Date: 20-May-2020, Time: 21:32:10, ID: 2000957-02RE1 PDI-147SC-A-00-01-200425 15.08, Description: PDI-147SC-A-00-01-200425

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RT	Comp	Area	SA	Yield
1	2,3,7,8-TCDF	3.15e2	0.70	NO	0.982	10.036	17.677	17.70	1.000	1.003	3.5946		2.01	3.59
2	13C-2,3,7,8-TCDF	1.78e4	0.80	NO	1.08	10.036	17.712	17.66	1.133	1.135	198.36	99.5	7.88	
3	13C-1,2,3,4-TCDF	1.65e4	0.81	NO	1.00	10.036	15.660	15.55	1.000	1.000	199.29	100	8.54	

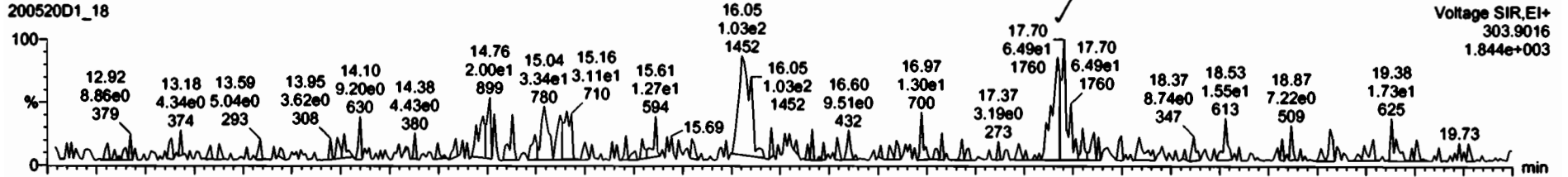
Dataset: U:\VG7.PRO\Results\200520D1\200520D1_18.qld

Last Altered: Thursday, May 21, 2020 09:59:55 Pacific Daylight Time
Printed: Thursday, May 21, 2020 10:01:07 Pacific Daylight Time

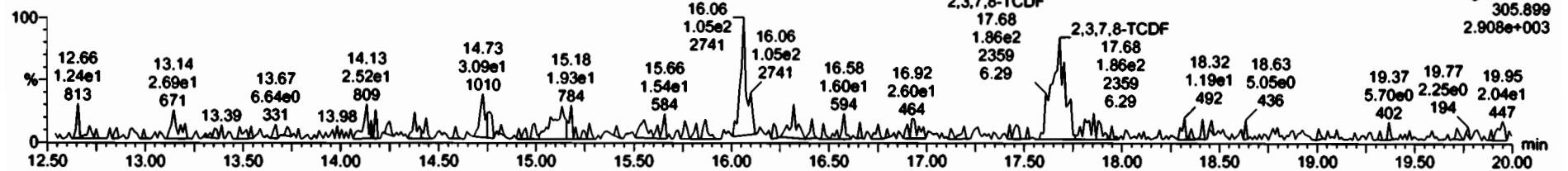
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200520D1_18, Date: 20-May-2020, Time: 21:32:10, ID: 2000957-02RE1 PDI-147SC-A-00-01-200425 15.08, Description: PDI-147SC-A-00-01-200425

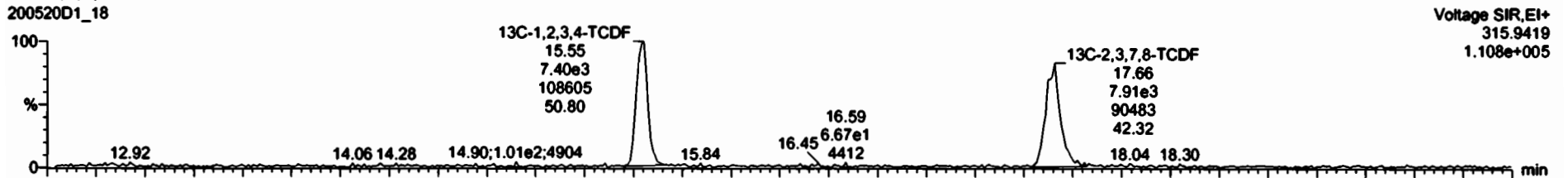
2,3,7,8-TCDF



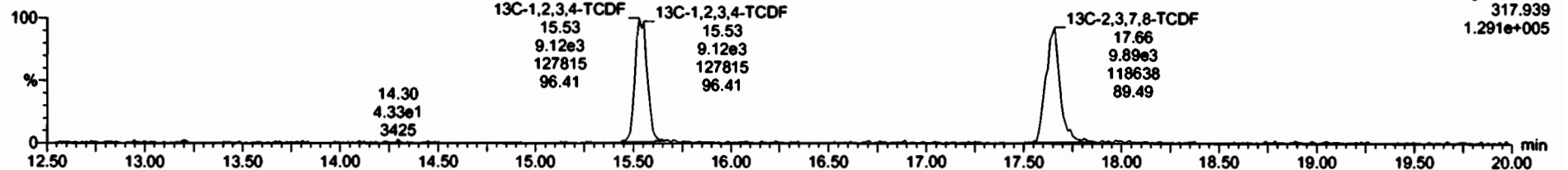
200520D1_18

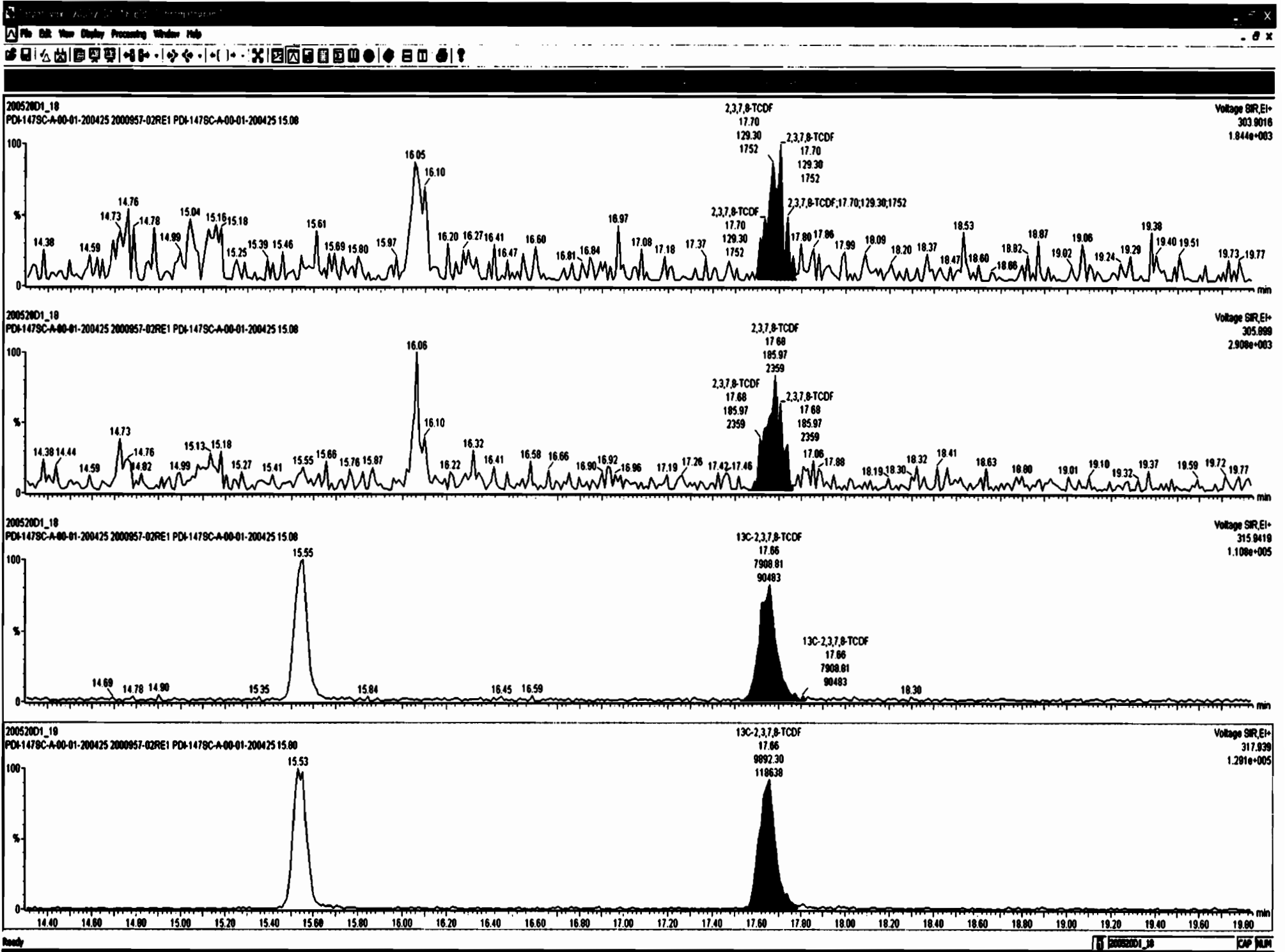


13C-2,3,7,8-TCDF



200520D1_18





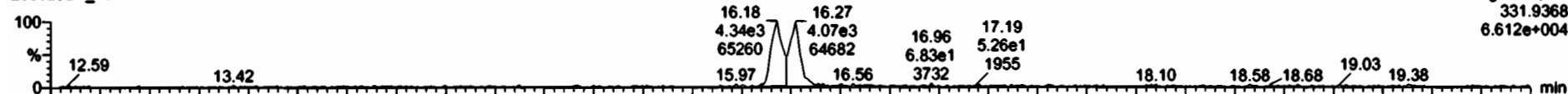
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Printed: Thursday, May 21, 2020 10:01:07 Pacific Daylight Time

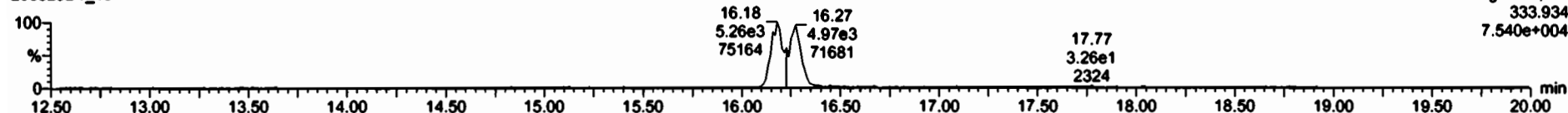
Name: 200520D1_18, Date: 20-May-2020, Time: 21:32:10, ID: 2000957-02RE1 PDI-147SC-A-00-01-200425 15.08, Description: PDI-147SC-A-00-01-200425

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

200520D1_18

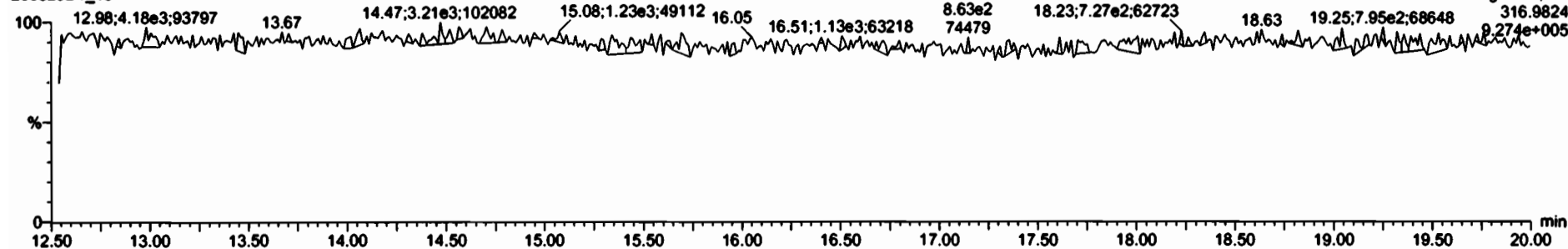


200520D1_18



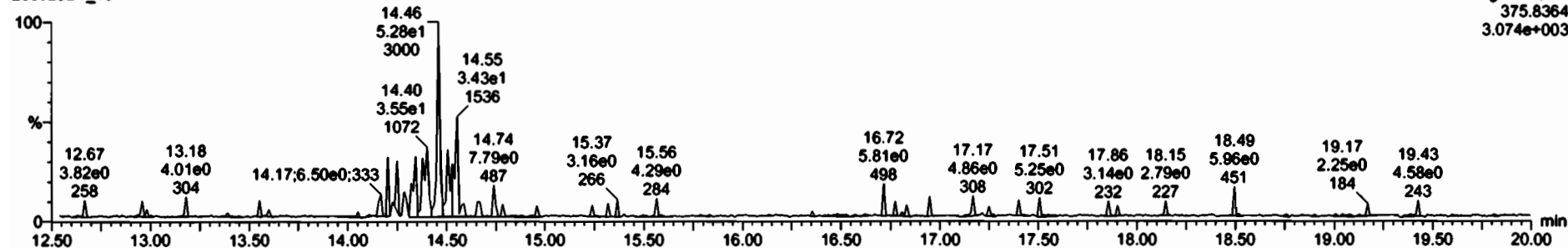
PFK1

200520D1_18



DPE1

200520D1_18



Dataset: U:\VG7.PRO\Results\200520D1\200520D1_19.qld

Last Altered: Thursday, May 21, 2020 10:03:47 Pacific Daylight Time
Printed: Thursday, May 21, 2020 10:04:51 Pacific Daylight Time

DB 5/21/20

Method: C:\MassLynx\Default.PROMethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200520D1_19, Date: 20-May-2020, Time: 22:03:53, ID: 2000957-03RE1 PDI-147SC-A-05-06-200425 14.49, Description: PDI-147SC-A-05-06-200425

	Resp	RA	n/y	RRF	wtvol	Peak	Area	RRF	Area	Area	Area	Area	Area
1	2,3,7,8-TCDF	3.58e2	0.83	NO	0.982	10.020	✓ 17.666	17.66	1.000	1.001	5.9898	3.27	5.97
2	13C-2,3,7,8-TCDF	1.22e4	0.82	NO	1.08	10.020	17.689	17.65	1.133	1.136	146.56	73.4	7.37
3	13C-1,2,3,4-TCDF	1.53e4	0.78	NO	1.00	10.020	15.660	15.53	1.000	1.000	199.59	100	7.98

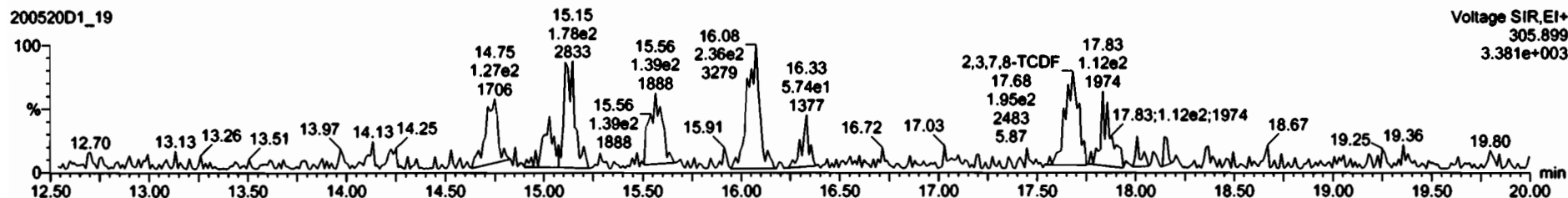
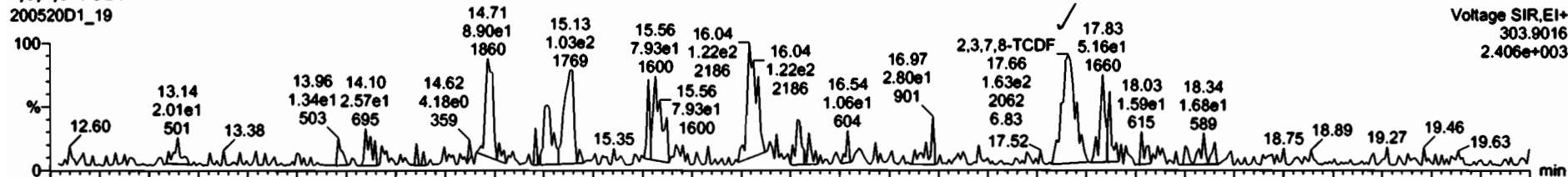
Dataset: U:\VG7.PRO\Results\200520D1\200520D1_19.qld

Last Altered: Thursday, May 21, 2020 10:03:47 Pacific Daylight Time
Printed: Thursday, May 21, 2020 10:05:10 Pacific Daylight Time

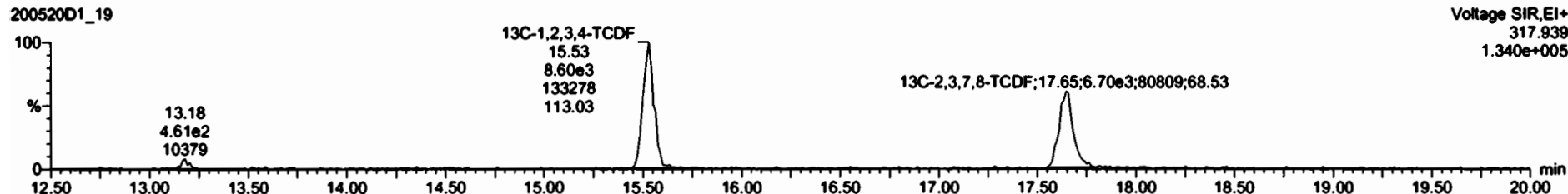
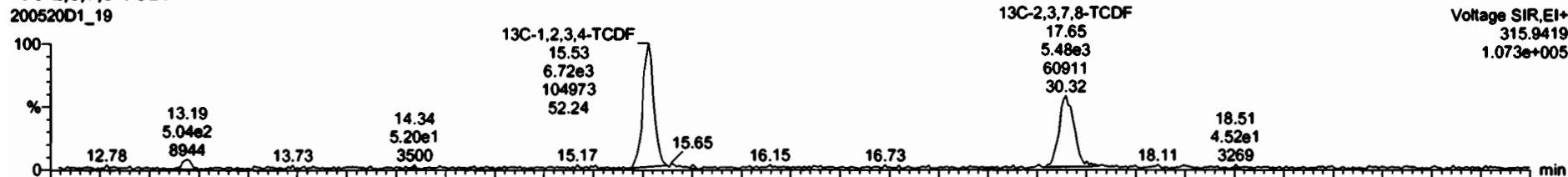
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200520D1_19, Date: 20-May-2020, Time: 22:03:53, ID: 2000957-03RE1 PDI-147SC-A-05-06-200425 14.49, Description: PDI-147SC-A-05-06-200425

2,3,7,8-TCDF



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



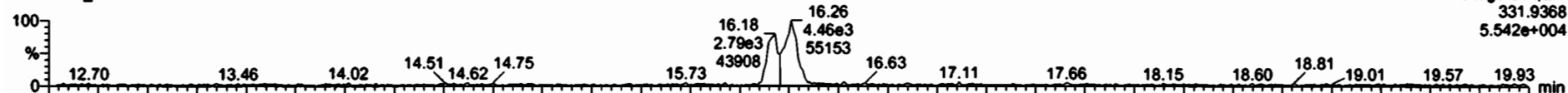
Dataset: U:\VG7.PRO\Results\200520D1\200520D1_19.qld

Last Altered: Thursday, May 21, 2020 10:03:47 Pacific Daylight Time
Printed: Thursday, May 21, 2020 10:05:10 Pacific Daylight Time

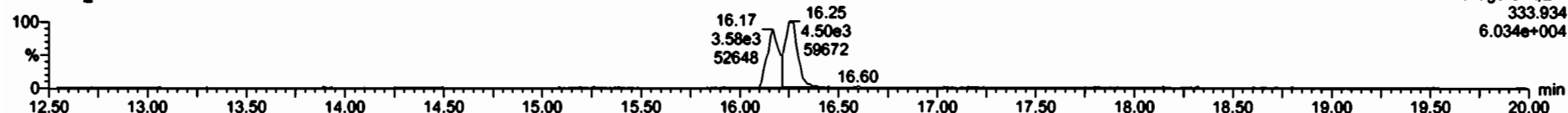
Name: 200520D1_19, Date: 20-May-2020, Time: 22:03:53, ID: 2000957-03RE1 PDI-147SC-A-05-06-200425 14.49, Description: PDI-147SC-A-05-06-200425

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

200520D1_19

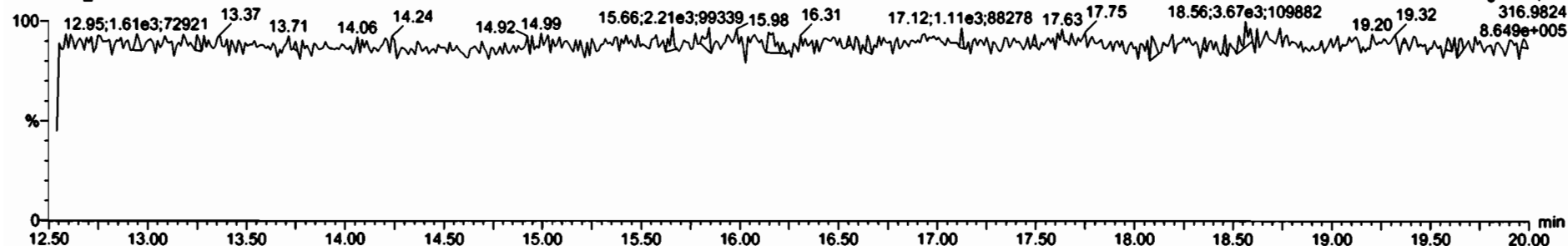


200520D1_19



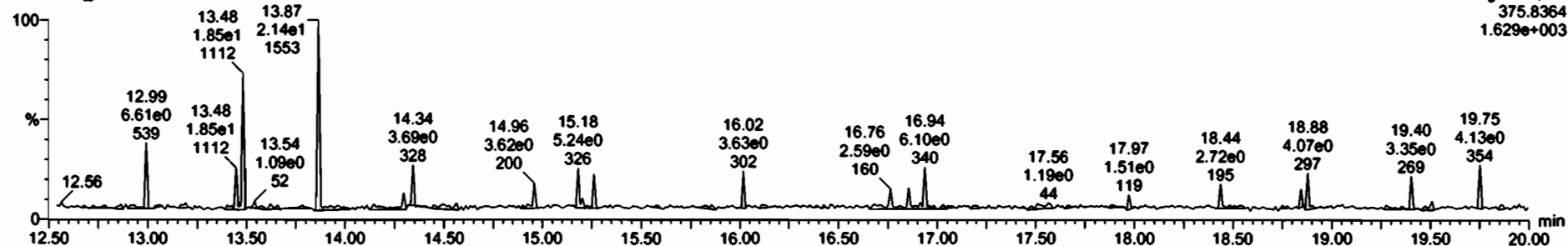
PFK1

200520D1_19



DPE1

200520D1_19



Dataset: U:\VG7.PRO\Results\200521D1\200521D1_5.qld

Last Altered: Thursday, May 21, 2020 15:14:47 Pacific Daylight Time
Printed: Thursday, May 21, 2020 15:15:01 Pacific Daylight Time

DB 5/21/20 CT 06/02/2020

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200521D1_5, Date: 21-May-2020, Time: 14:06:39, ID: 2000957-04RE1 PDI-147SC-A-06-07-200425 14.69, Description: PDI-147SC-A-06-07-200425

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.ART	RRF	Conc	Area	Area	Area
1	2,3,7,8-TCDF	8.32e2	0.87	NO	0.982	10.030	17.654	17.65	1.000	1.001	3.9921		1.09	3.99
2	13C-2,3,7,8-TCDF	4.23e4	0.78	NO	1.08	10.030	17.689	17.63	1.133	1.136	180.10	90.3		3.26
3	13C-1,2,3,4-TCDF	4.33e4	0.76	NO	1.00	10.030	15.660	15.53	1.000	1.000	199.39	100		3.53

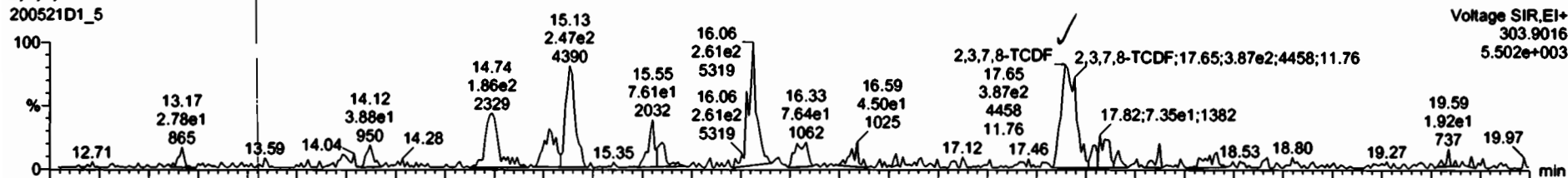
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Last Altered: Thursday, May 21, 2020 15:13:11 Pacific Daylight Time
Printed: Thursday, May 21, 2020 15:14:21 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

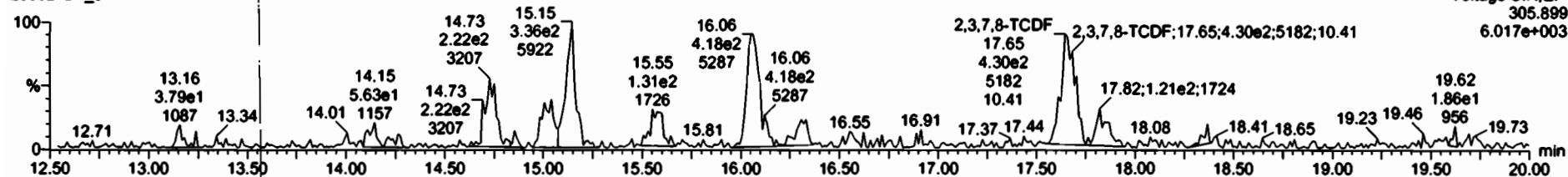
Name: 200521D1_5, Date: 21-May-2020, Time: 14:06:39, ID: 2000957-04RE1 PDI-147SC-A-06-07-200425 14.69, Description: PDI-147SC-A-06-07-200425

2,3,7,8-TCDF
200521D1_5



Voltage SIR,EI+
303.9016
5.502e+003

200521D1_5



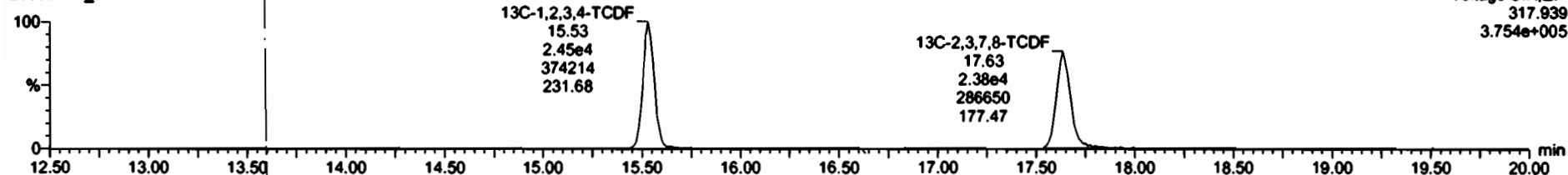
Voltage SIR,EI+
305.899
6.017e+003

13C-2,3,7,8-TCDF
200521D1_5

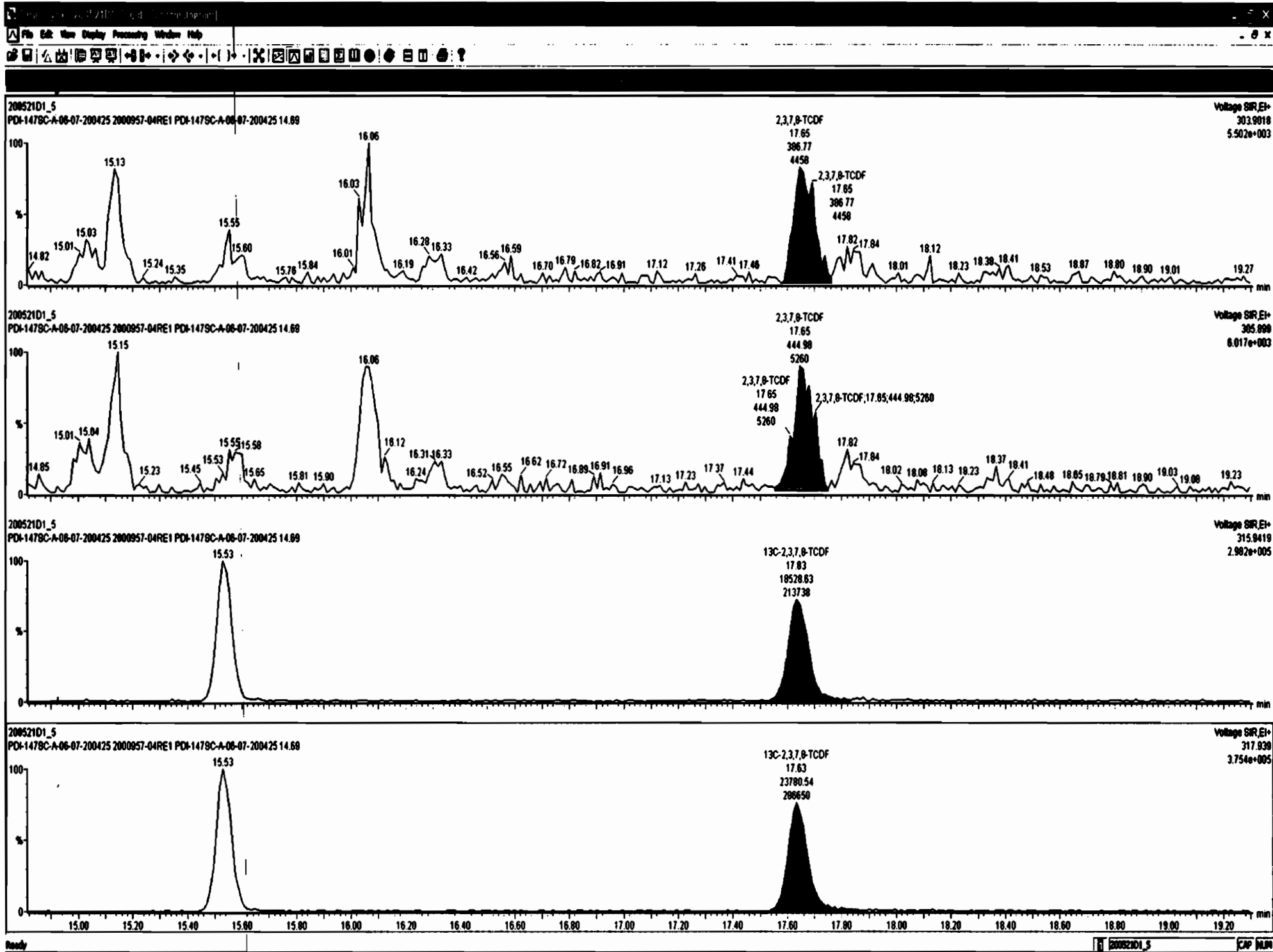


Voltage SIR,EI+
315.9419
2.982e+005

200521D1_5



Voltage SIR,EI+
317.939
3.754e+005



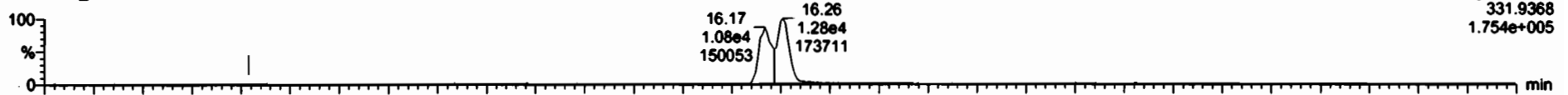
Dataset: U:\VG7.PRO\Results\200521D1\200521D1_5.qid

Last Altered: Thursday, May 21, 2020 15:13:11 Pacific Daylight Time
Printed: Thursday, May 21, 2020 15:14:21 Pacific Daylight Time

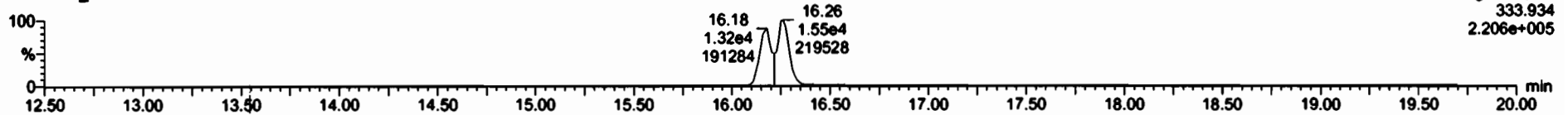
Name: 200521D1_5, Date: 21-May-2020, Time: 14:06:39, ID: 2000957-04RE1 PDI-147SC-A-06-07-200425 14.69, Description: PDI-147SC-A-06-07-200425

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

200521D1_5

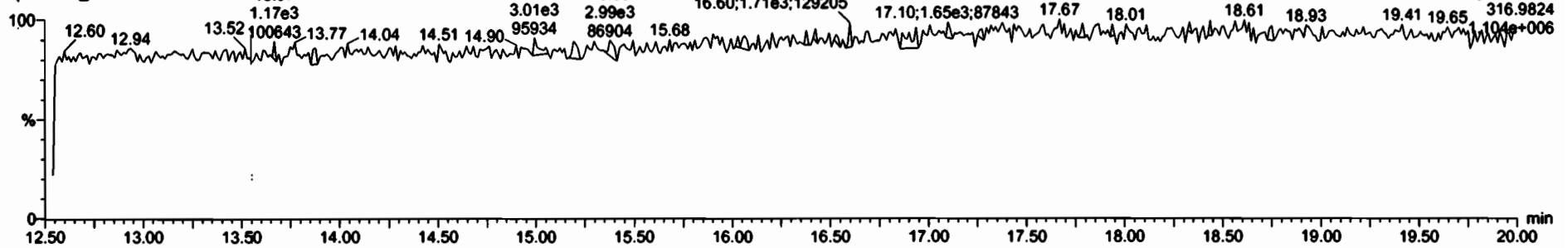


200521D1_5



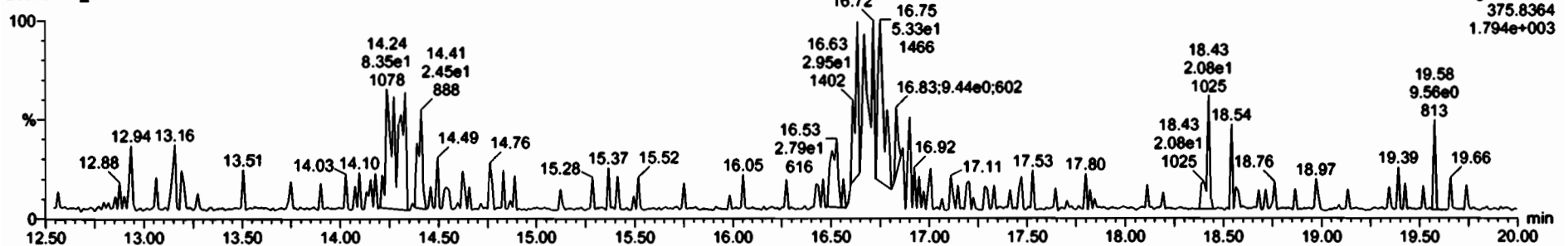
PFK1

200521D1_5



DPE1

200521D1_5



Dataset: U:\VG7.PRO\Results\200521D1\200521D1_6.qld

Last Altered: Thursday, May 21, 2020 15:19:06 Pacific Daylight Time
Printed: Thursday, May 21, 2020 15:19:21 Pacific Daylight Time

DB 5/21/20

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200521D1_6, Date: 21-May-2020, Time: 14:38:21, ID: 2000957-05RE1 PDI-147SC-A-07-08-200425 16.47, Description: PDI-147SC-A-07-08-200425

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RRT	Pred.RRT	RRT	Conc	DL	REMARKS
1	2,3,7,8-TCDF	4.27e2	0.77	NO	0.982	10.033	17.643	17.62	1.000	1.000	2.1776	0.841	2.18
2	13C-2,3,7,8-TCDF	3.98e4	0.74	NO	1.08	10.033	17.689	17.62	1.133	1.135	182.76	91.7	3.27
3	13C-1,2,3,4-TCDF	4.01e4	0.79	NO	1.00	10.033	15.660	15.53	1.000	1.000	199.34	100	3.54

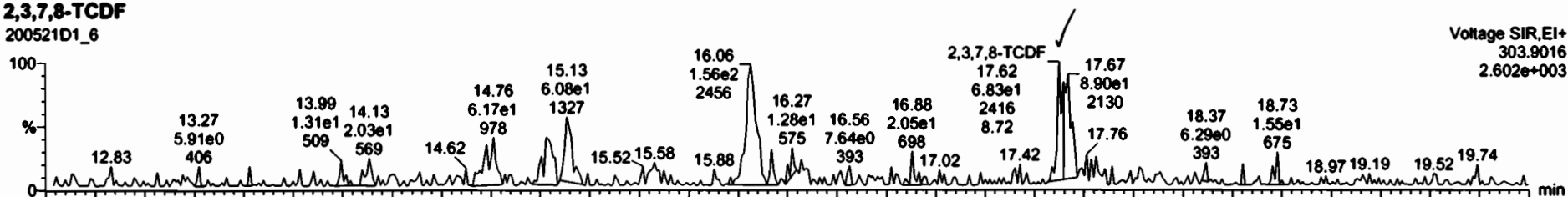
Dataset: U:\VG7.PRO\Results\200521D1\200521D1_6.qld

Last Altered: Thursday, May 21, 2020 15:17:25 Pacific Daylight Time
Printed: Thursday, May 21, 2020 15:18:41 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

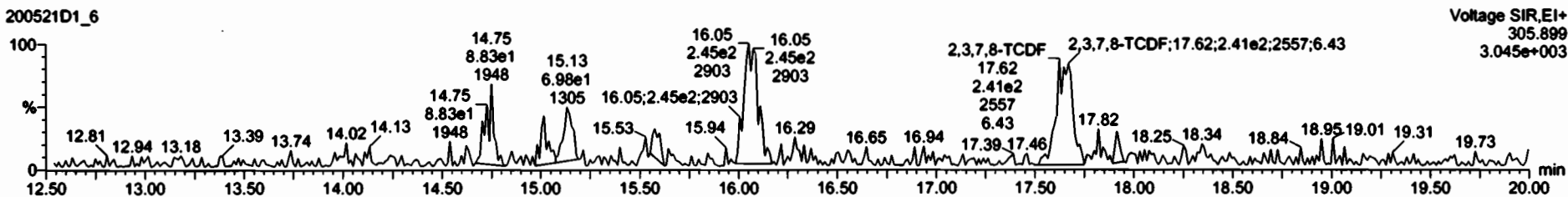
Name: 200521D1_6, Date: 21-May-2020, Time: 14:38:21, ID: 2000957-05RE1 PDI-147SC-A-07-08-200425 16.47, Description: PDI-147SC-A-07-08-200425

2,3,7,8-TCDF
200521D1_6



Voltage SIR,EI+
303.9016
2.602e+003

200521D1_6



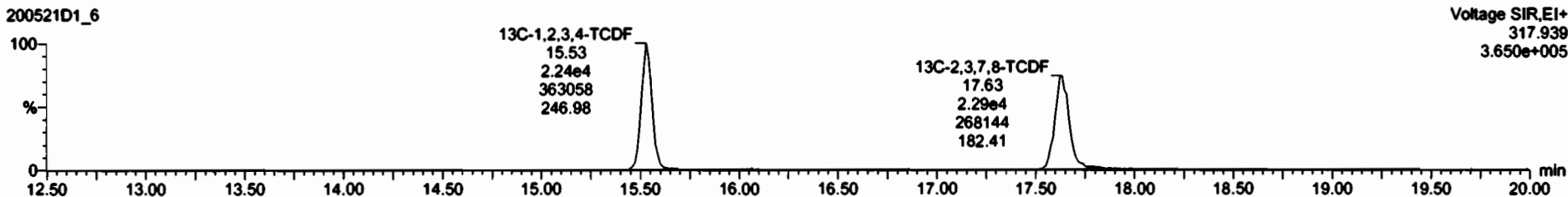
Voltage SIR,EI+
305.899
3.045e+003

13C-2,3,7,8-TCDF
200521D1_6

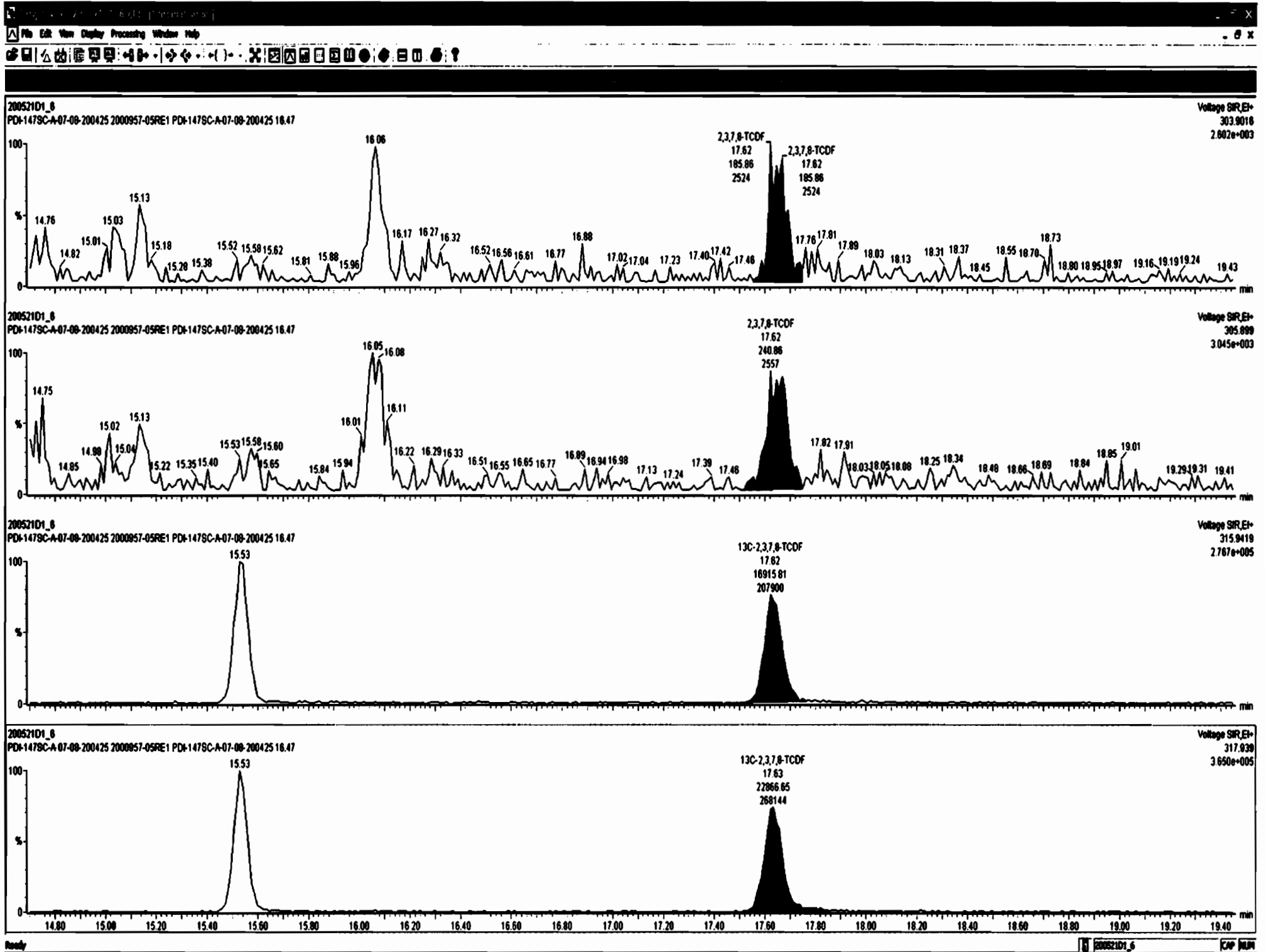


Voltage SIR,EI+
315.9419
2.767e+005

200521D1_6



Voltage SIR,EI+
317.939
3.650e+005



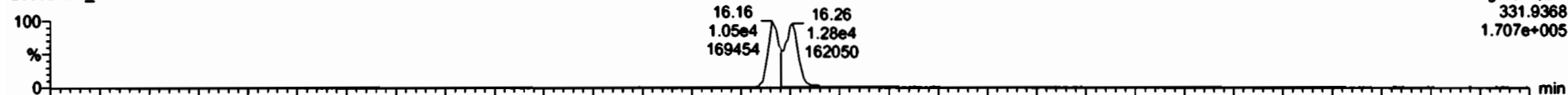
Dataset: U:\VG7.PRO\Results\200521D1\200521D1_6.qld

Last Altered: Thursday, May 21, 2020 15:17:25 Pacific Daylight Time
Printed: Thursday, May 21, 2020 15:18:41 Pacific Daylight Time

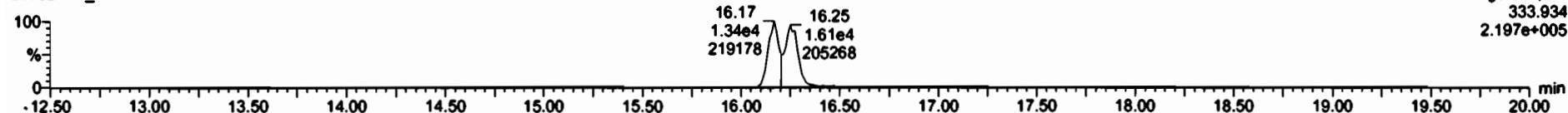
Name: 200521D1_6, Date: 21-May-2020, Time: 14:38:21, ID: 2000957-05RE1 PDI-147SC-A-07-08-200425 16.47, Description: PDI-147SC-A-07-08-200425

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

200521D1_6

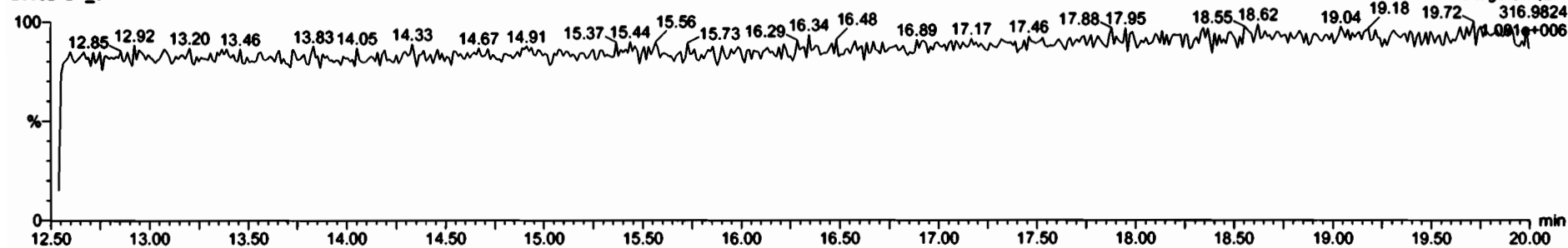


200521D1_6



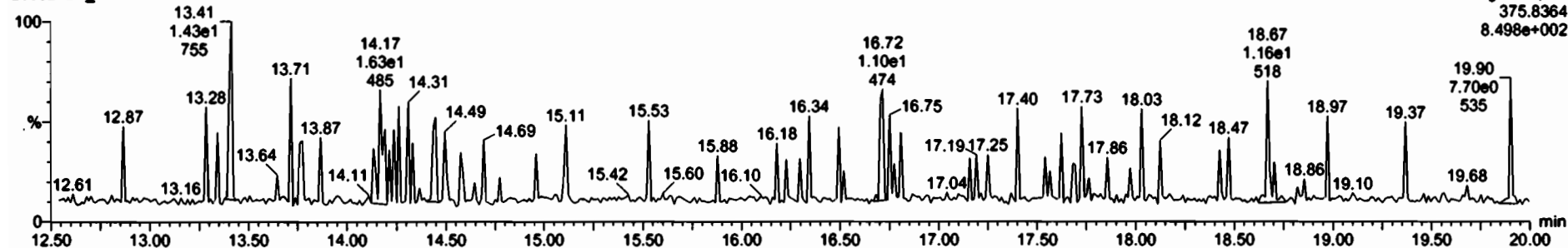
PFK1

200521D1_6



DPE1

200521D1_6



Dataset: U:\VG7.PRO\Results\200522D1\200522D1_4.qld

Last Altered: Friday, May 22, 2020 14:29:39 Pacific Daylight Time
Printed: Friday, May 22, 2020 14:31:18 Pacific Daylight Time

DB 5/22/20 CT 06/02/2020

Method: C:\MassLynx\Default.PROMethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200522D1_4, Date: 22-May-2020, Time: 13:39:29, ID: 2000957-06RE1 PDI-147SC-A-08-09-200425 16.24, Description: PDI-147SC-A-08-09-200425

#	Time	Resp	RA	n/y	RRF	w/vol	Prod.RT	RT	RRR	RRR1	RRR2	RRR3	RRR4
1	2,3,7,8-TCDF	3.02e2	0.86	NO	0.982	10.006	17.666	17.68	1.000	1.002	2.1282	0.908	2.13
2	13C-2,3,7,8-TCDF	2.88e4	0.81	NO	1.08	10.006	17.712	17.65	1.133	1.135	195.05	97.6	3.72
3	13C-1,2,3,4-TCDF	2.73e4	0.76	NO	1.00	10.006	15.860	15.55	1.000	1.000	199.87	100	4.03

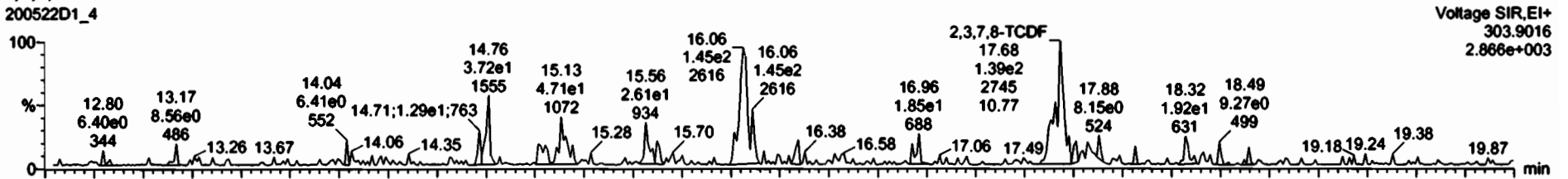
Dataset: U:\VG7.PRO\Results\200522D1\200522D1_4.qld

Last Altered: Friday, May 22, 2020 14:29:39 Pacific Daylight Time
Printed: Friday, May 22, 2020 14:30:47 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

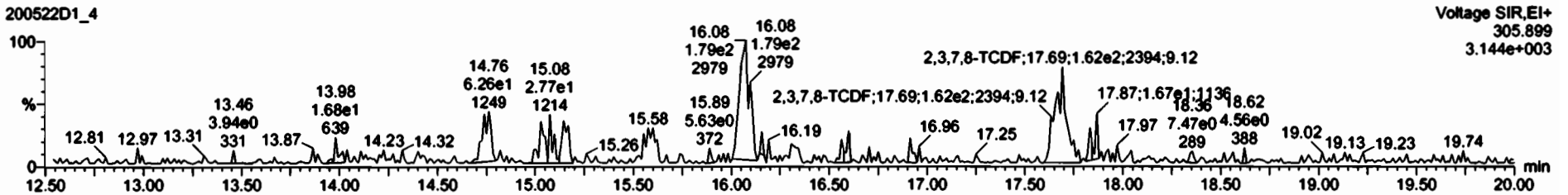
Name: 200522D1_4, Date: 22-May-2020, Time: 13:39:29, ID: 2000957-06RE1 PDI-147SC-A-08-09-200425 16.24, Description: PDI-147SC-A-08-09-200425

2,3,7,8-TCDF
200522D1_4



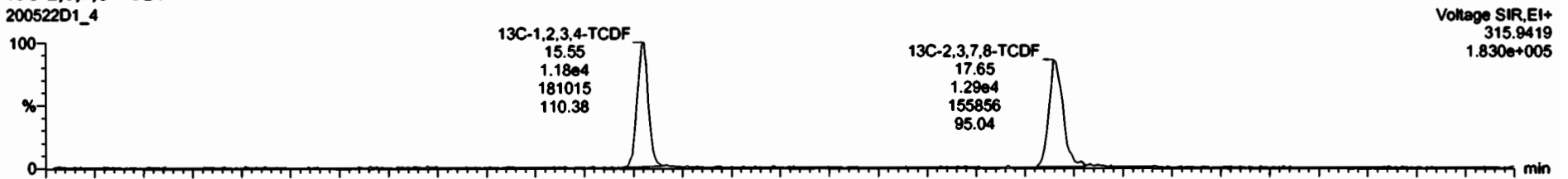
Voltage SIR, EI+
303.9016
2.866e+003

200522D1_4



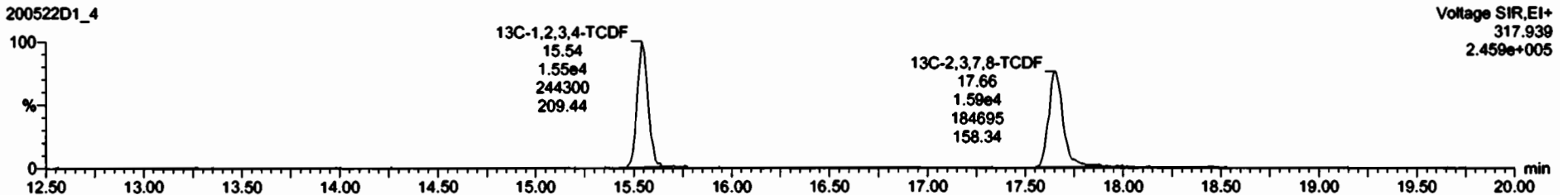
Voltage SIR, EI+
305.899
3.144e+003

13C-2,3,7,8-TCDF
200522D1_4



Voltage SIR, EI+
315.9419
1.830e+005

200522D1_4



Voltage SIR, EI+
317.939
2.459e+005

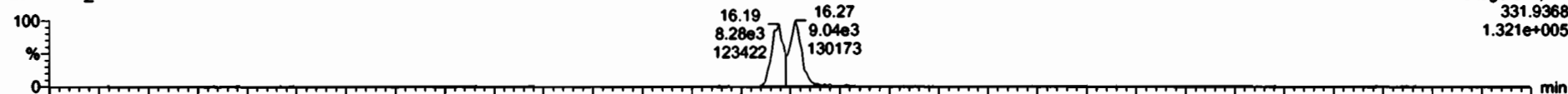
Dataset: U:\VG7.PRO\Results\200522D1\200522D1_4.qld

Last Altered: Friday, May 22, 2020 14:29:39 Pacific Daylight Time
Printed: Friday, May 22, 2020 14:30:47 Pacific Daylight Time

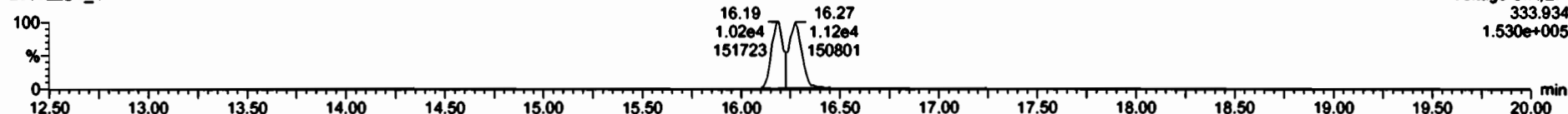
Name: 200522D1_4, Date: 22-May-2020, Time: 13:39:29, ID: 2000957-06RE1 PDI-147SC-A-08-09-200425 16.24, Description: PDI-147SC-A-08-09-200425

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

200522D1_4

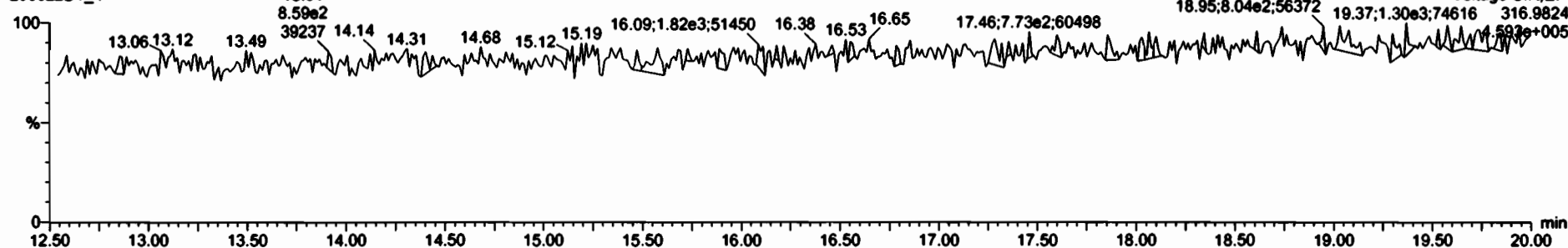


200522D1_4



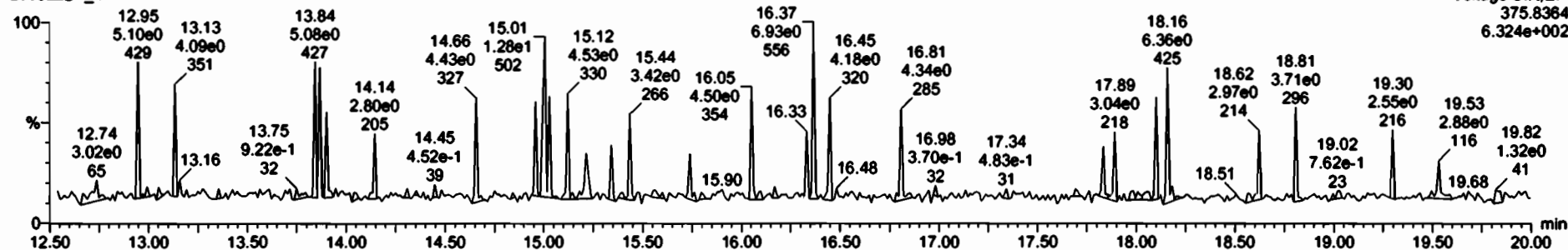
PFK1

200522D1_4



DPE1

200522D1_4



Dataset: U:\VG7.PRO\Results\200522D1\200522D1_5.qld

Last Altered: Friday, May 22, 2020 14:51:43 Pacific Daylight Time
Printed: Friday, May 22, 2020 14:51:57 Pacific Daylight Time

DB 5/22/20 C7 06/02/2020

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200522D1_5, Date: 22-May-2020, Time: 14:11:05, ID: 2000957-07RE1 PDI-147SC-A-09-10-200425 15.75, Description: PDI-147SC-A-09-10-200425

Peak	Resp	RA	n/y	RRF	w/vol	Pred RT	RT	Pred RRT	RRT	Comp	Area	Conc
1 2,3,7,8-TCDF	2.70e3	0.78	NO	0.982	10.013 ✓	17.654	17.67	1.000	1.002	18.644	1.37	18.6
2 13C-2,3,7,8-TCDF	2.94e4	0.72	NO	1.08	10.013	17.689	17.63	1.133	1.136	172.96	86.6	3.32
3 13C-1,2,3,4-TCDF	3.14e4	0.79	NO	1.00	10.013	15.660	15.53	1.000	1.000	199.74	100	3.60

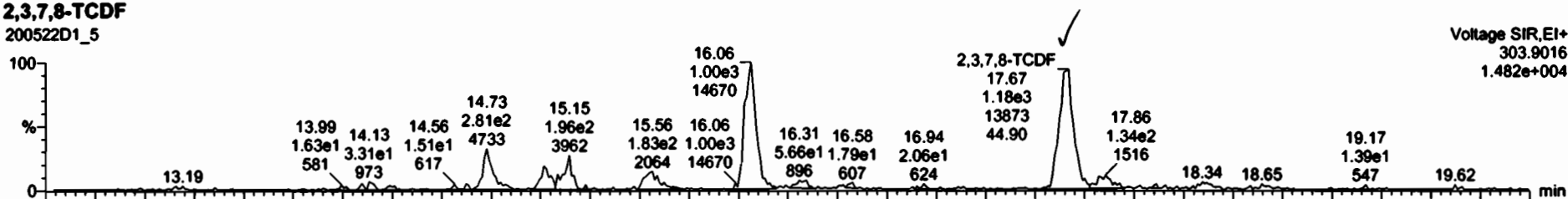
Dataset: U:\VG7.PRO\Results\200522D1\200522D1_5.qld

Last Altered: Friday, May 22, 2020 14:49:52 Pacific Daylight Time
Printed: Friday, May 22, 2020 14:51:09 Pacific Daylight Time

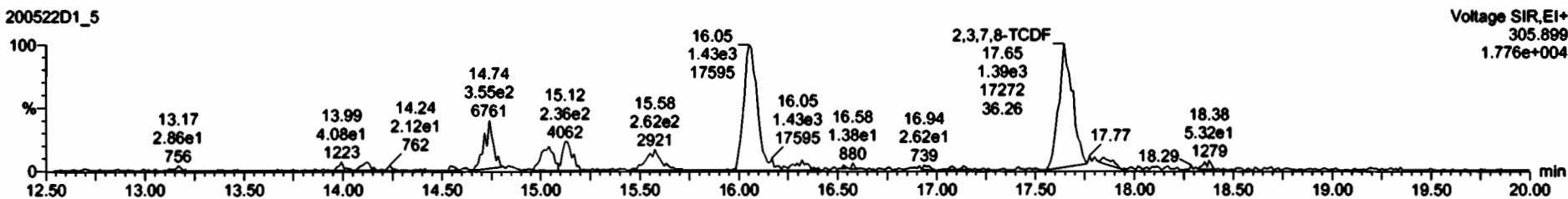
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200522D1_5, Date: 22-May-2020, Time: 14:11:05, ID: 2000957-07RE1 PDI-147SC-A-09-10-200425 15.75, Description: PDI-147SC-A-09-10-200425

2,3,7,8-TCDF
200522D1_5



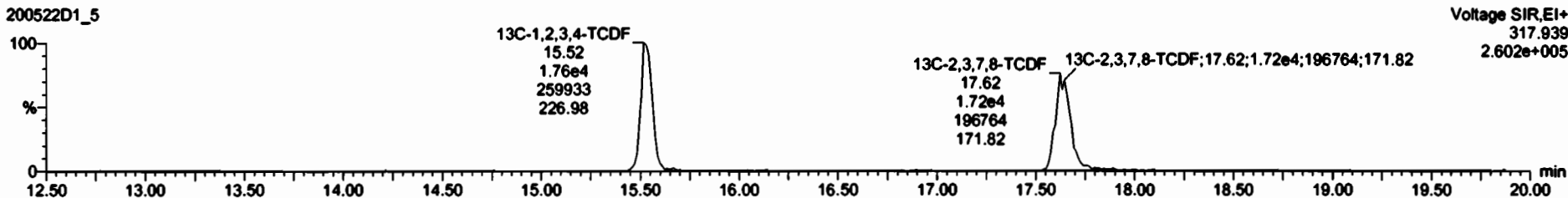
200522D1_5

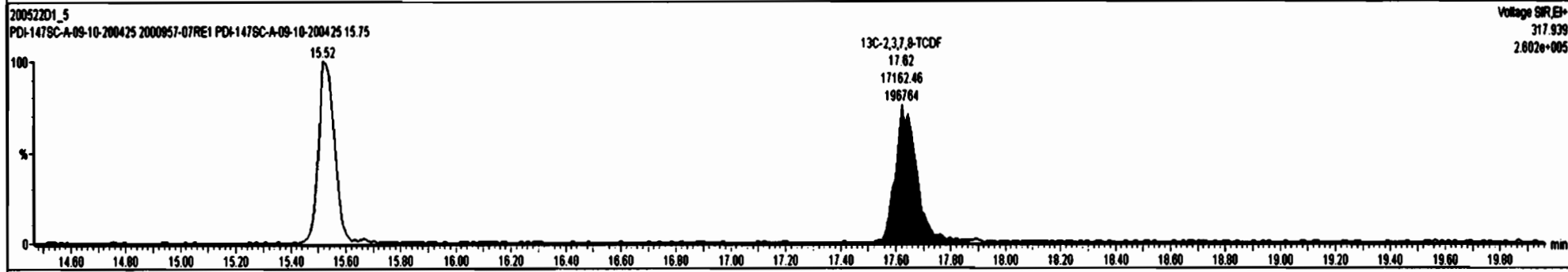
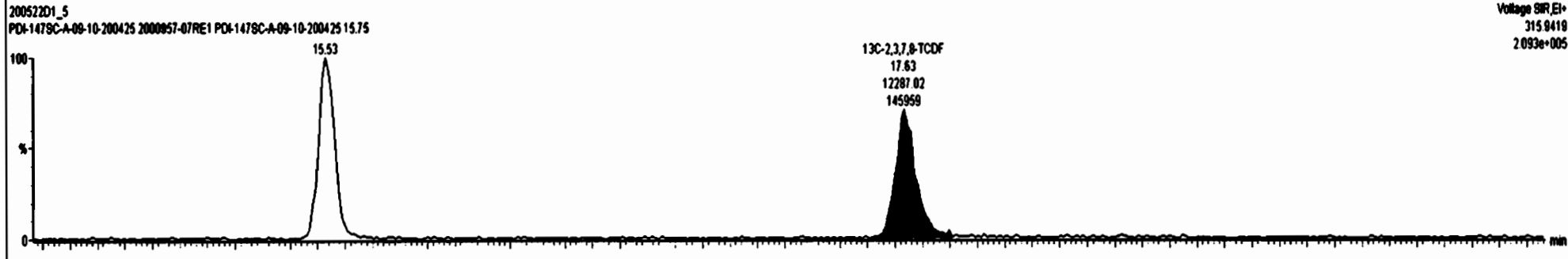
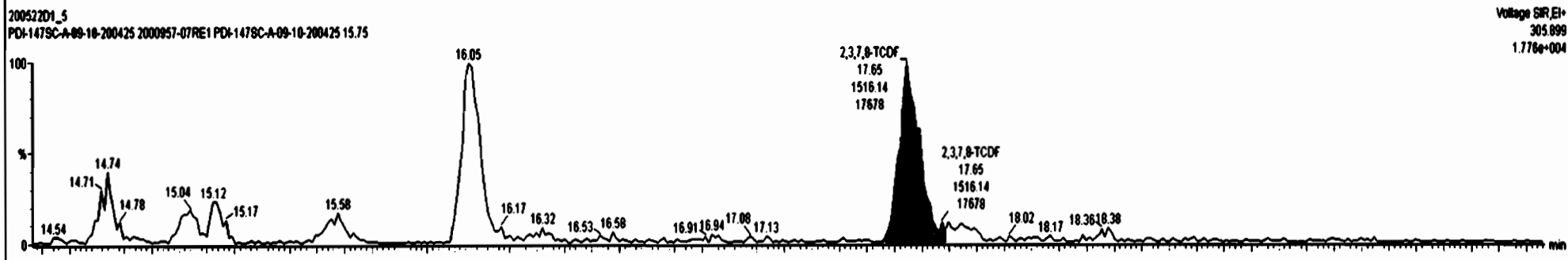
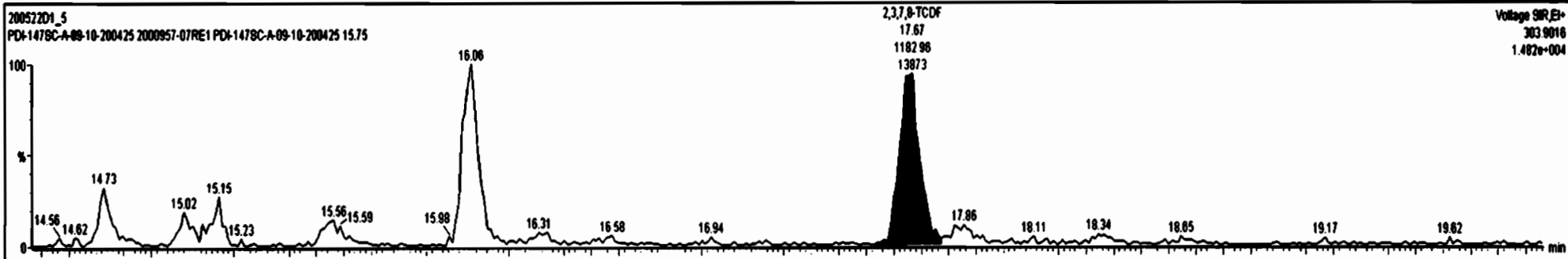
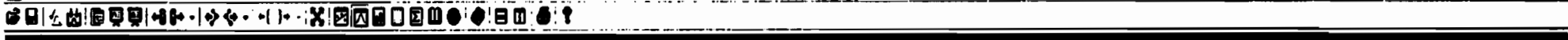


13C-2,3,7,8-TCDF
200522D1_5



200522D1_5





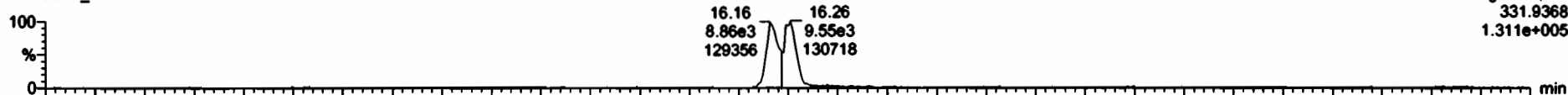
Dataset: U:\VG7.PRO\Results\200522D1\200522D1_5.qld

Last Altered: Friday, May 22, 2020 14:49:52 Pacific Daylight Time
Printed: Friday, May 22, 2020 14:51:09 Pacific Daylight Time

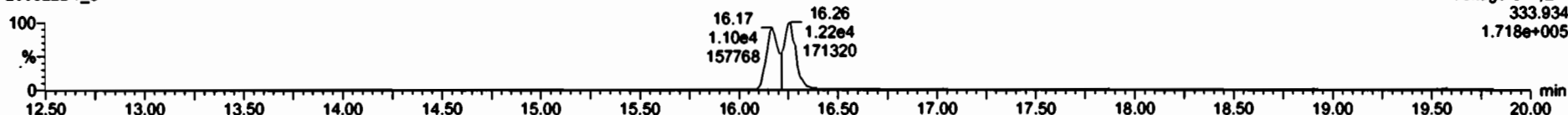
Name: 200522D1_5, Date: 22-May-2020, Time: 14:11:05, ID: 2000957-07RE1 PDI-147SC-A-09-10-200425 15.75, Description: PDI-147SC-A-09-10-200425

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

200522D1_5

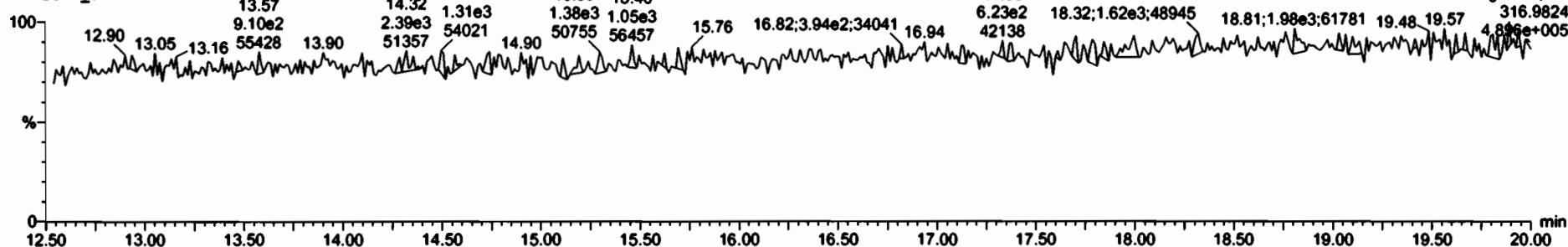


200522D1_5



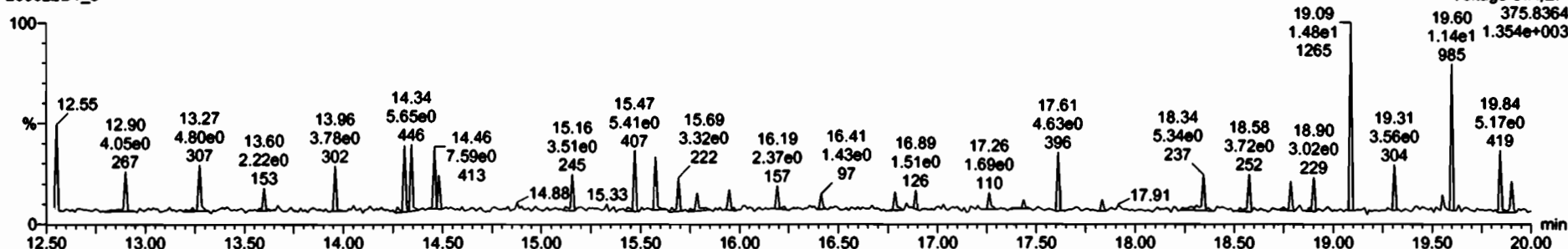
PFK1

200522D1_5



DPE1

200522D1_5



Dataset: U:\VG7.PRO\Results\200522D1\200522D1_6.qld

Last Altered: Friday, May 22, 2020 15:21:08 Pacific Daylight Time

Printed: Friday, May 22, 2020 15:22:19 Pacific Daylight Time

DB 5/22/20 C1 06/02/2020

Method: C:\MassLynx\Default.PROMethDB\tcdf.mdb 23 Mar 2020 11:10:19

Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200522D1_6, Date: 22-May-2020, Time: 14:42:48, ID: 2000957-08RE1 PDI-147SC-A-10-11-200425 16.14, Description: PDI-147SC-A-10-11-200425

Name	Resp	RA	n/y	RRF	wt/vol	Prod.RT	Ref	Prod.FRT	RRF	Concn	Area	Concn	Area
1 2,3,7,8-TCDF	1.48e3	0.70	NO	0.982	10.012	17.643	17.65	1.000	1.001	13.582	1.72	13.6	
2 13C-2,3,7,8-TCDF	2.22e4	0.75	NO	1.08	10.012	17.889	17.62	1.133	1.135	144.13	72.1	3.44	
3 13C-1,2,3,4-TCDF	2.84e4	0.81	NO	1.00	10.012	15.660	15.53	1.000	1.000	199.76	100	3.72	

Dataset: U:\VG7.PRO\Results\200522D1\200522D1_6.qld

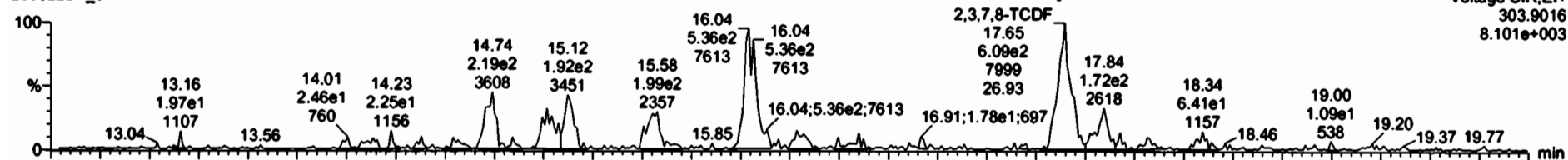
Last Altered: Friday, May 22, 2020 15:21:08 Pacific Daylight Time
Printed: Friday, May 22, 2020 15:22:42 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\cdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200522D1_6, Date: 22-May-2020, Time: 14:42:48, ID: 2000957-08RE1 PDI-147SC-A-10-11-200425 16.14, Description: PDI-147SC-A-10-11-200425

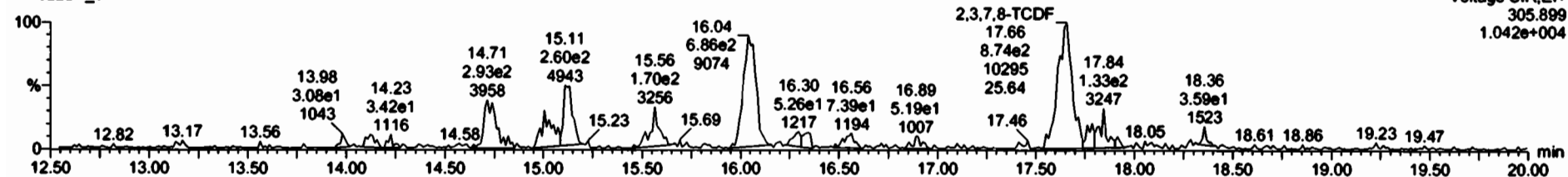
2,3,7,8-TCDF

200522D1_6



Voltage SIR,EI+
303.9016
8.101e+003

200522D1_6



Voltage SIR,EI+
305.899
1.042e+004

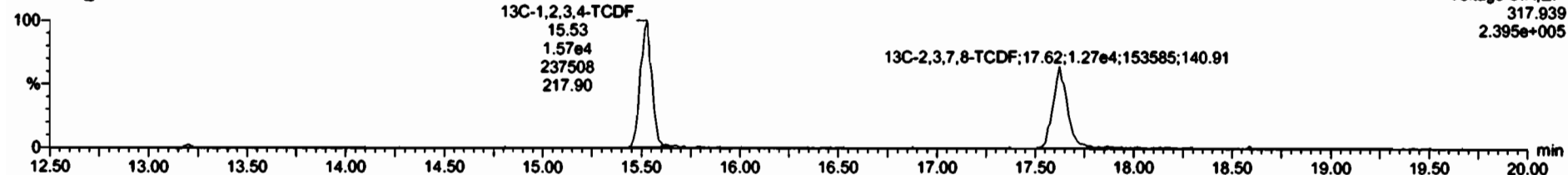
13C-2,3,7,8-TCDF

200522D1_6



Voltage SIR,EI+
315.9419
2.015e+005

200522D1_6



Voltage SIR,EI+
317.939
2.395e+005

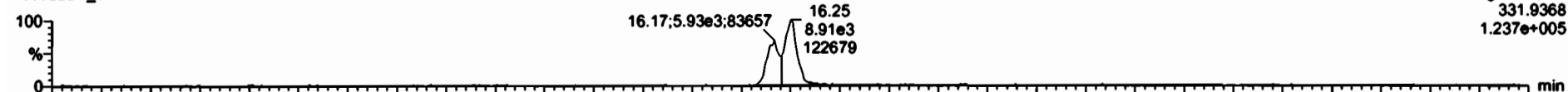
Dataset: U:\VG7.PRO\Results\200522D1\200522D1_6.qld

Last Altered: Friday, May 22, 2020 15:21:08 Pacific Daylight Time
Printed: Friday, May 22, 2020 15:22:42 Pacific Daylight Time

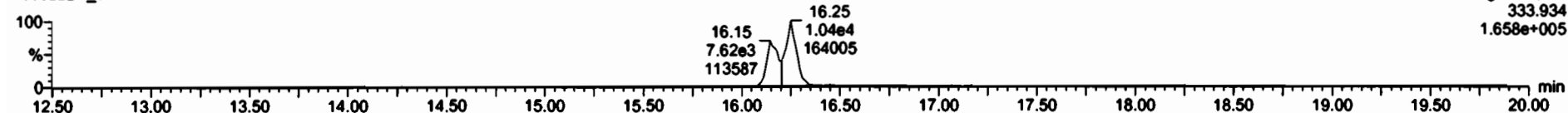
Name: 200522D1_6, Date: 22-May-2020, Time: 14:42:48, ID: 2000957-08RE1 PDI-147SC-A-10-11-200425 16.14, Description: PDI-147SC-A-10-11-200425

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

200522D1_6

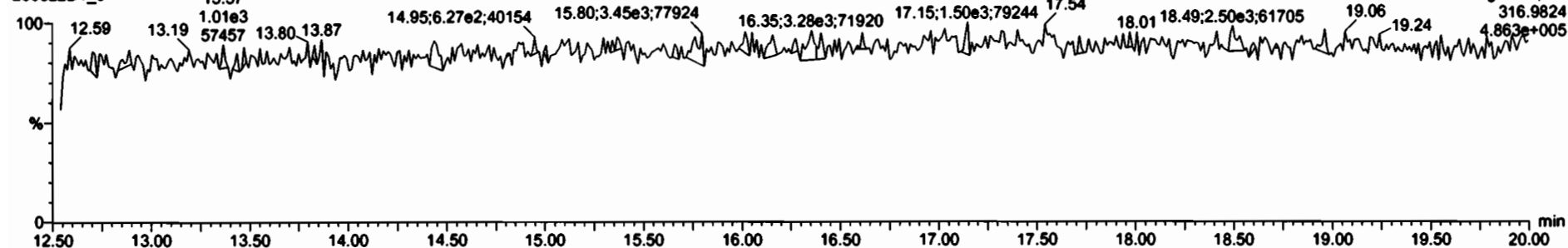


200522D1_6



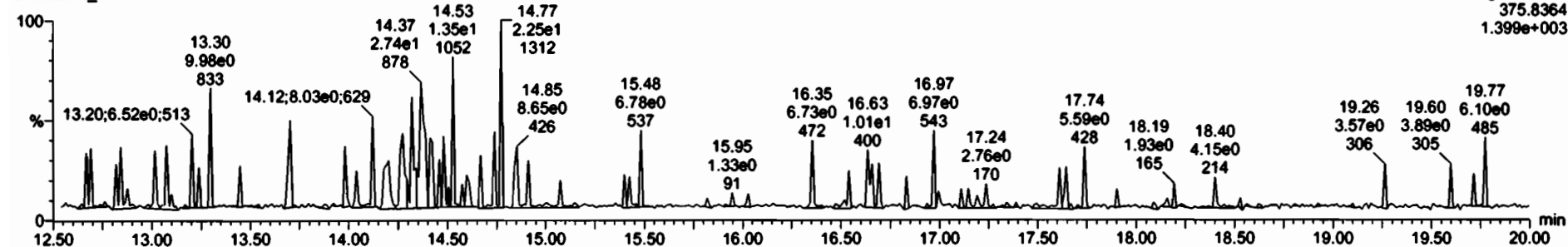
PFK1

200522D1_6



DPE1

200522D1_6



Dataset: U:\VG7.PRO\Results\200522D1\200522D1_7.qld

Last Altered: Friday, May 22, 2020 15:39:59 Pacific Daylight Time
Printed: Friday, May 22, 2020 15:41:12 Pacific Daylight Time

DB 5/22/20 CT 06/02/2020

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\ldb\225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200522D1_7, Date: 22-May-2020, Time: 15:14:28, ID: 2000957-09RE1 PDI-147SC-A-11-12-200425 16.41, Description: PDI-147SC-A-11-12-200425

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRF	Comp	Area	DU	Int.C
1	2,3,7,8-TCDF	7.30e3	0.78	NO	0.982	10.005	17.677	17.67	1.000	1.001	76.742		3.08	76.7
2	13C-2,3,7,8-TCDF	1.94e4	0.81	NO	1.08	10.005	17.712	17.66	1.133	1.135	138.56	69.3	4.18	
3	13C-1,2,3,4-TCDF	2.58e4	0.78	NO	1.00	10.005	15.660	15.55	1.000	1.000	199.89	100	4.52	

Dataset: U:\VG7.PRO\Results\200522D1\200522D1_7.qld

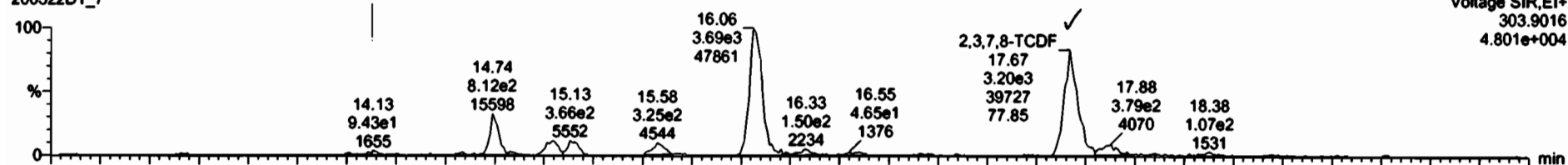
Last Altered: Friday, May 22, 2020 15:39:59 Pacific Daylight Time
Printed: Friday, May 22, 2020 15:41:33 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200522D1_7, Date: 22-May-2020, Time: 15:14:28, ID: 2000957-09RE1 PDI-147SC-A-11-12-200425 16.41, Description: PDI-147SC-A-11-12-200425

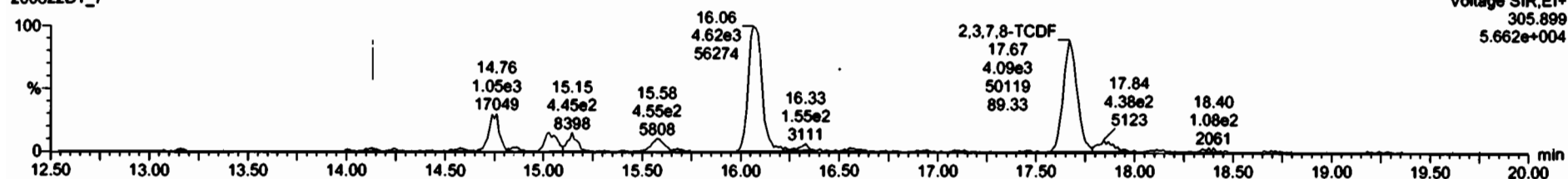
2,3,7,8-TCDF

200522D1_7



Voltage SIR,EI+
303.9016
4.801e+004

200522D1_7



Voltage SIR,EI+
305.899
5.662e+004

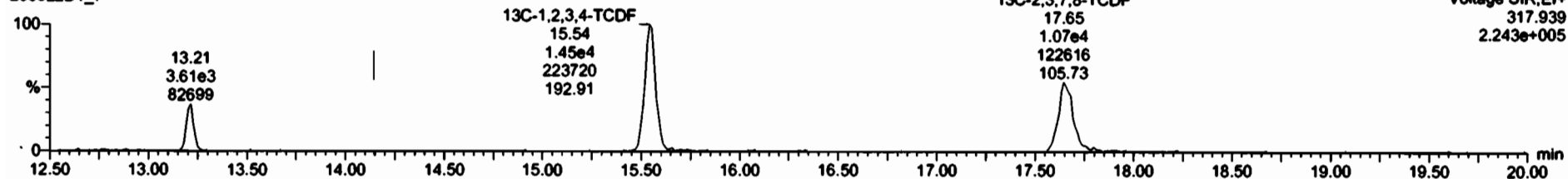
13C-2,3,7,8-TCDF

200522D1_7



Voltage SIR,EI+
315.9419
1.668e+005

200522D1_7



Voltage SIR,EI+
317.939
2.243e+005

Dataset: U:\VG7.PRO\Results\200522D1\200522D1_7.qld

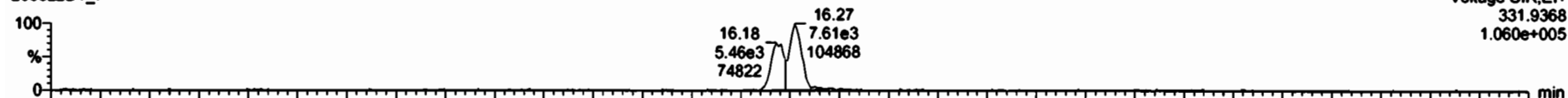
Last Altered: Friday, May 22, 2020 15:39:59 Pacific Daylight Time

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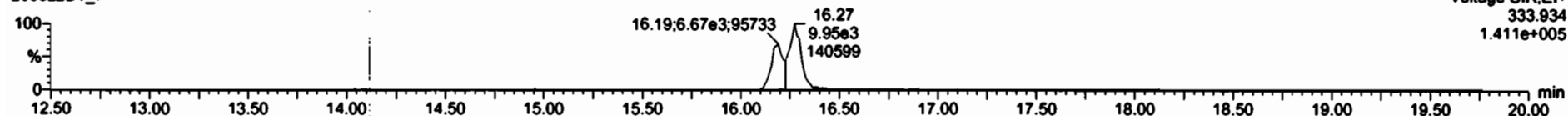
Name: 200522D1_7, Date: 22-May-2020, Time: 15:14:28, ID: 2000957-09RE1 PDI-147SC-A-11-12-200425 16.41, Description: PDI-147SC-A-11-12-200425

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

200522D1_7

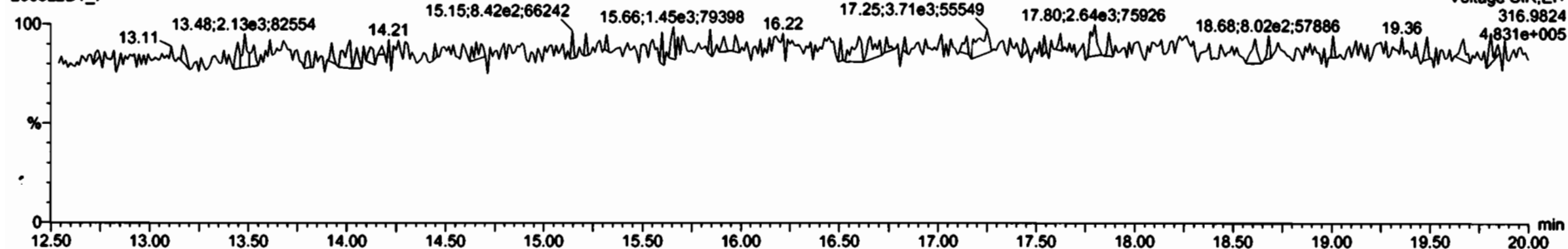


200522D1_7



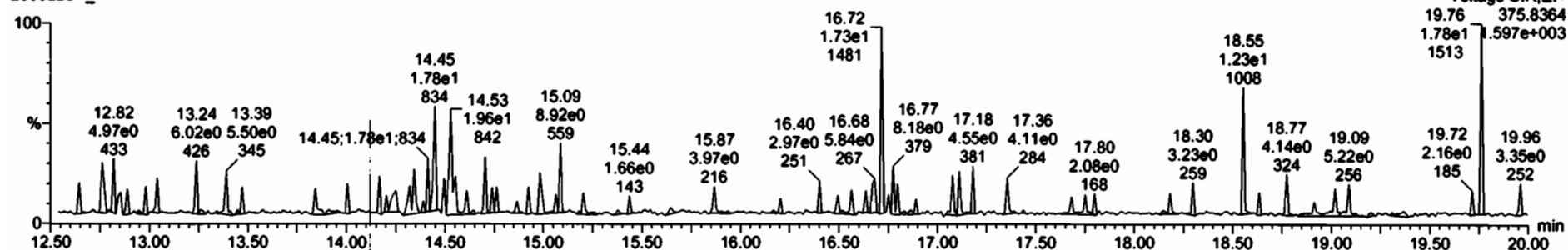
PFK1

200522D1_7



DPE1

200522D1_7



Dataset: U:\VG7.PRO\Results\200522D1\200522D1_8.qld

Last Altered: Friday, May 22, 2020 16:20:09 Pacific Daylight Time
Printed: Friday, May 22, 2020 16:20:26 Pacific Daylight Time

DB 5/22/20 CT 06/06/2020

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200522D1_8, Date: 22-May-2020, Time: 15:46:11, ID: 2000957-10RE1 PDI-147SC-A-12-13-200425 16.97, Description: PDI-147SC-A-12-13-200425

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc	%Rec	DL	SNR
1	2,3,7,8-TCDF	3.36e3	0.77	NO	0.982	10.014	17.654	17.66	1.000	1.001	28.883		1.91	28.9
2	13C-2,3,7,8-TCDF	2.37e4	0.79	NO	1.08	10.014	17.689	17.63	1.133	1.136	169.54	84.9	4.24	
3	13C-1,2,3,4-TCDF	2.58e4	0.80	NO	1.00	10.014	15.660	15.53	1.000	1.000	199.72	100	4.59	

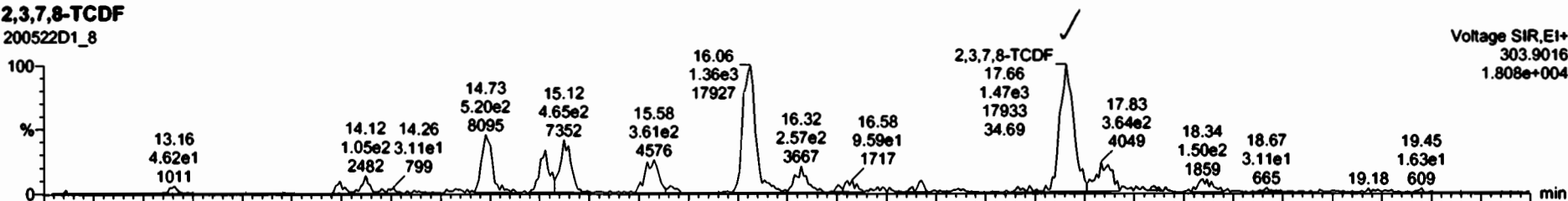
Dataset: U:\VG7.PRO\Results\200522D1\200522D1_8.qld

Last Altered: Friday, May 22, 2020 16:20:09 Pacific Daylight Time
Printed: Friday, May 22, 2020 16:20:44 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\lctcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\lctcdf-2-11-20.cdb 12 Feb 2020 11:17:56

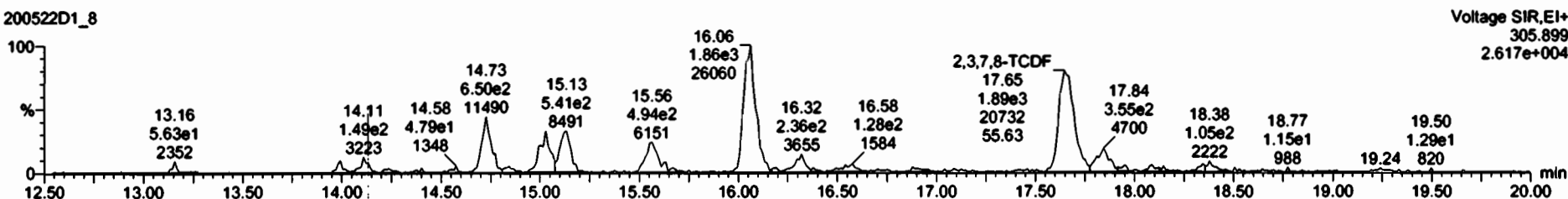
Name: 200522D1_8, Date: 22-May-2020, Time: 15:46:11, ID: 2000957-10RE1 PDI-147SC-A-12-13-200425 16.97, Description: PDI-147SC-A-12-13-200425

2,3,7,8-TCDF
200522D1_8



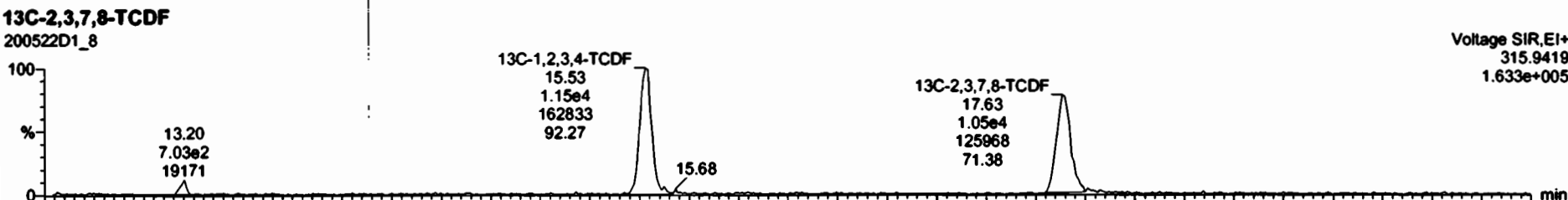
Voltage SIR.EI+
303.9016
1.808e+004

200522D1_8



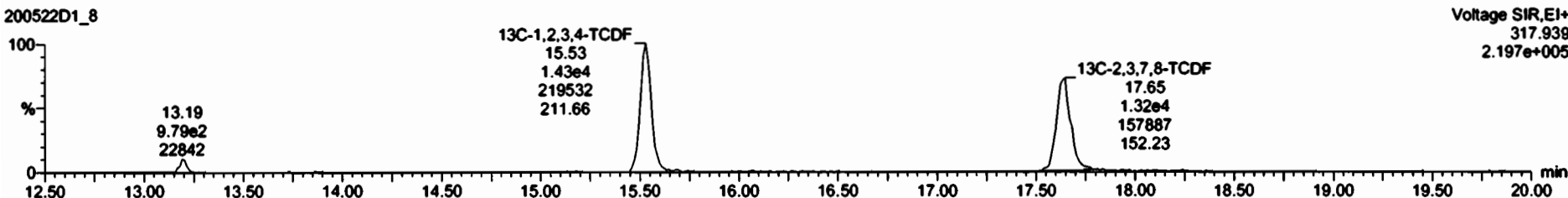
Voltage SIR.EI+
305.899
2.617e+004

13C-2,3,7,8-TCDF
200522D1_8



Voltage SIR.EI+
315.9419
1.633e+005

200522D1_8



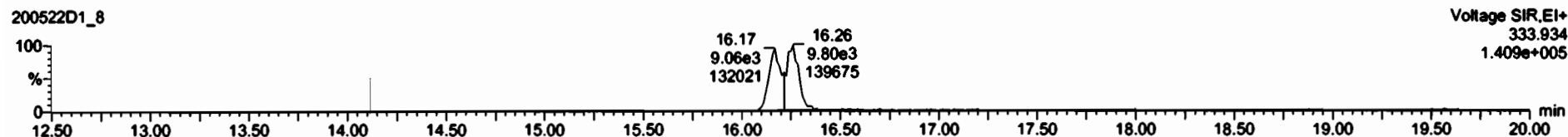
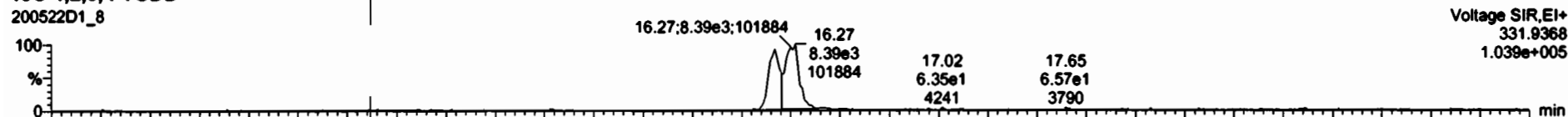
Voltage SIR.EI+
317.939
2.197e+005

Dataset: U:\VG7.PRO\Results\200522D1\200522D1_8.qld

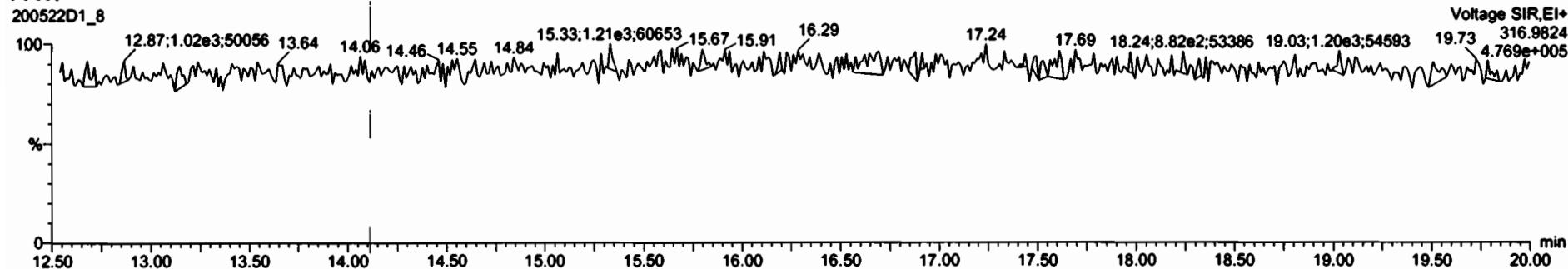
Last Altered: Friday, May 22, 2020 16:20:09 Pacific Daylight Time
Printed: Friday, May 22, 2020 16:20:44 Pacific Daylight Time

Name: 200522D1_8, Date: 22-May-2020, Time: 15:46:11, ID: 2000957-10RE1 PDI-147SC-A-12-13-200425 16.97, Description: PDI-147SC-A-12-13-200425

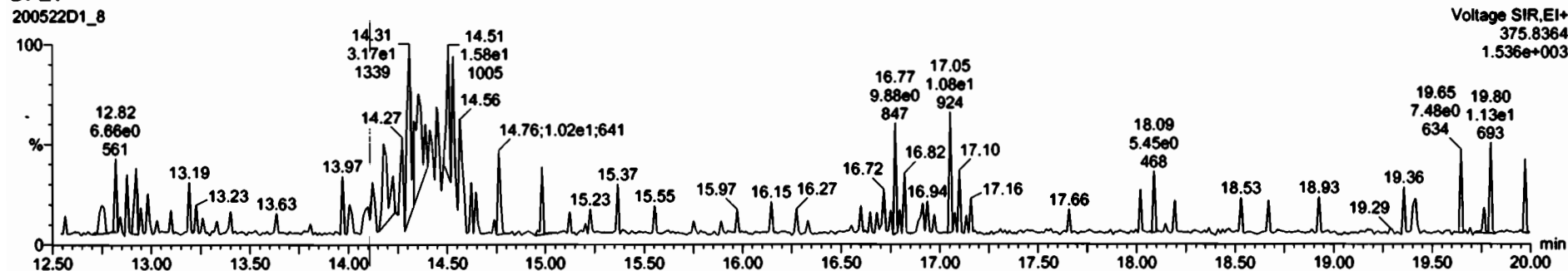
13C-1,2,3,4-TCDD



PFK1



DPE1



Dataset: U:\VG7.PRO\Results\200522D1\200522D1_12.qld

Last Altered: Tuesday, June 02, 2020 10:26:12 Pacific Daylight Time
Printed: Tuesday, June 02, 2020 10:27:23 Pacific Daylight Time

DB 6/2/20 M 06/02/2020

Method: C:\MassLynx\Default.pro\Methdb\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200522D1_12, Date: 22-May-2020, Time: 17:53:01, ID: B0E0022-DUP1RE1 Duplicate, Description: Duplicate

Peak	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	SL	EMPC	
1 2,3,7,8-TCDF	4.13e3	0.80	NO	0.982	10.014	17.643	17.66	1.000	1.002	29.099		1.42	29.1
2 13C-2,3,7,8-TCDF	2.89e4	0.73	NO	1.08	10.014	17.677	17.62	1.133	1.136	160.52	80.4	3.43	
3 13C-1,2,3,4-TCDF	3.32e4	0.80	NO	1.00	10.014	15.660	15.52	1.000	1.000	199.72	100	3.71	

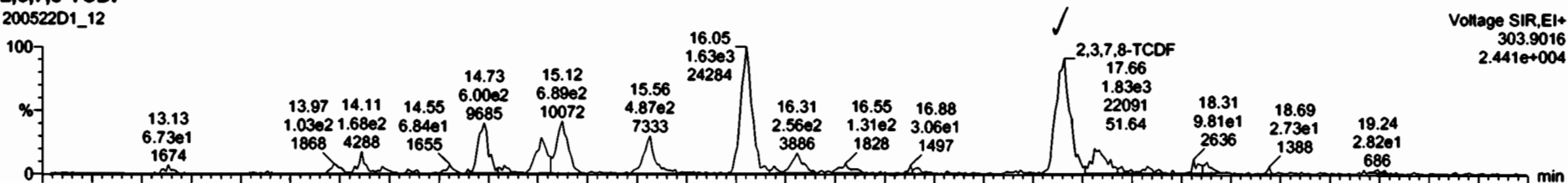
Dataset: U:\VG7.PRO\Results\200522D1\200522D1_12.qld

Last Altered: Tuesday, June 02, 2020 10:26:12 Pacific Daylight Time
Printed: Tuesday, June 02, 2020 10:27:42 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

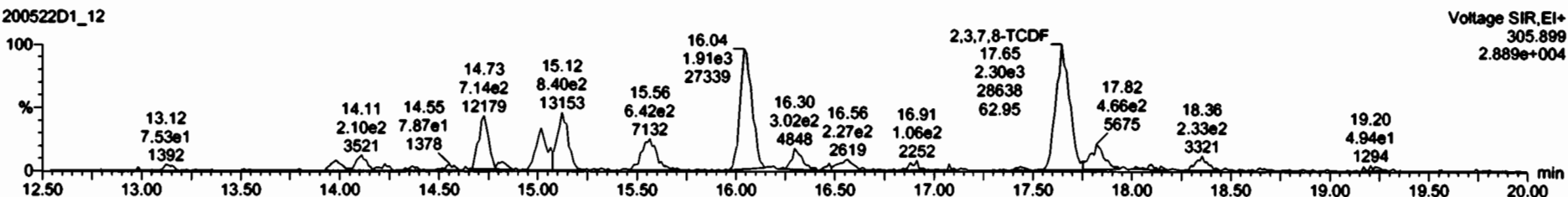
Name: 200522D1_12, Date: 22-May-2020, Time: 17:53:01, ID: B0E0022-DUP1RE1 Duplicate, Description: Duplicate

2,3,7,8-TCDF
200522D1_12



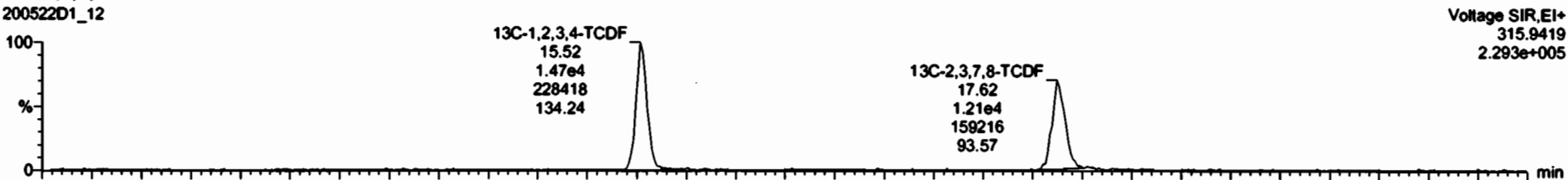
Voltage SIR, EI+
303.9016
2.441e+004

200522D1_12



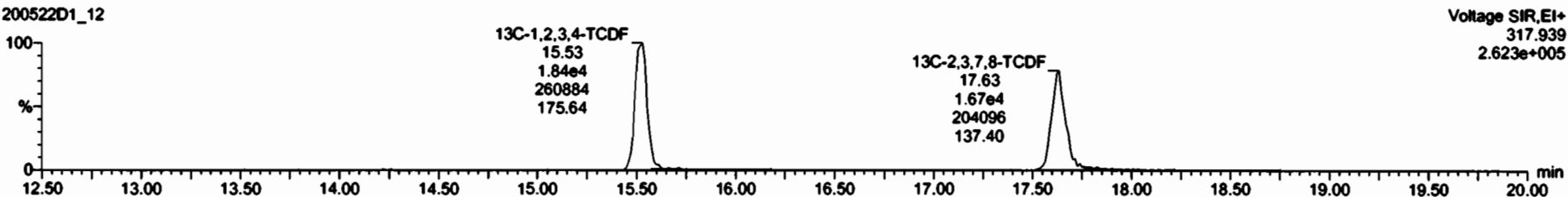
Voltage SIR, EI+
305.899
2.889e+004

13C-2,3,7,8-TCDF
200522D1_12



Voltage SIR, EI+
315.9419
2.293e+005

200522D1_12



Voltage SIR, EI+
317.939
2.623e+005

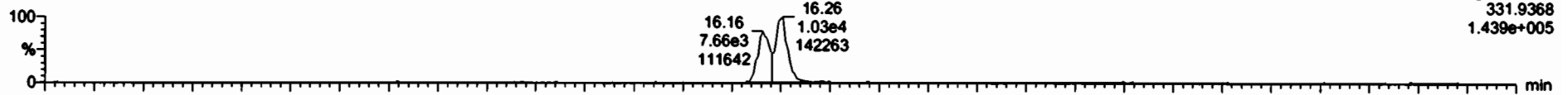
Dataset: U:\VG7.PRO\Results\200522D1\200522D1_12.qld

Last Altered: Tuesday, June 02, 2020 10:26:12 Pacific Daylight Time
Printed: Tuesday, June 02, 2020 10:27:42 Pacific Daylight Time

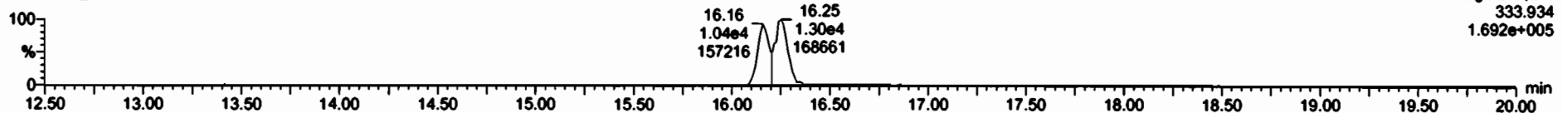
Name: 200522D1_12, Date: 22-May-2020, Time: 17:53:01, ID: B0E0022-DUP1RE1 Duplicate, Description: Duplicate

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

200522D1_12

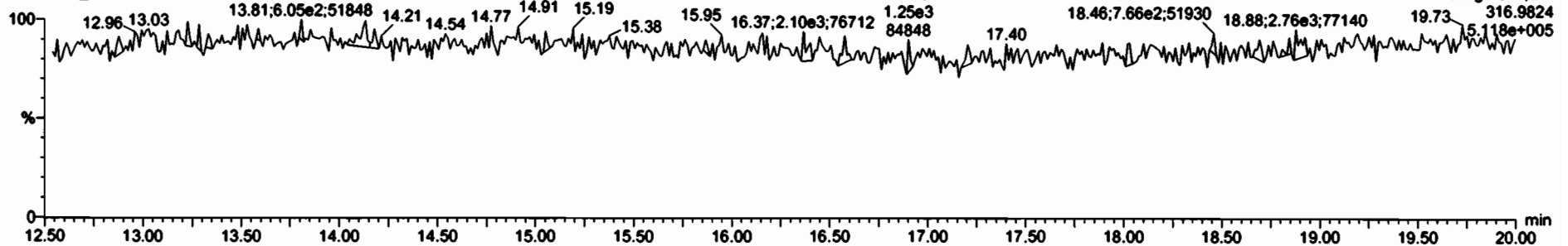


200522D1_12



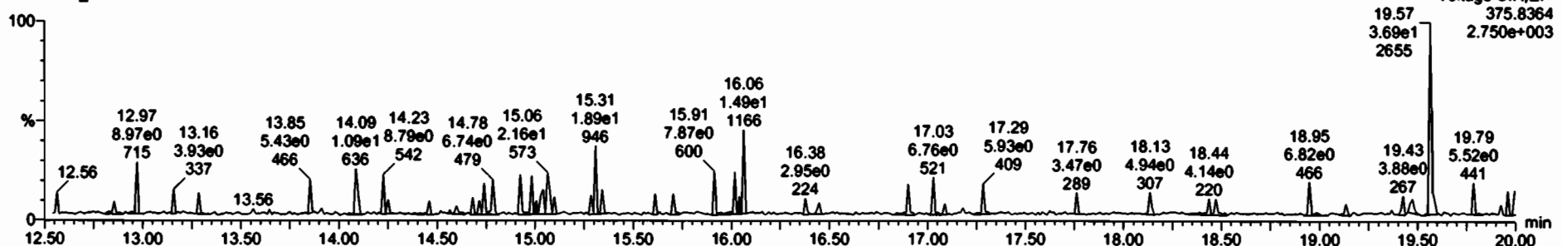
PFK1

200522D1_12



DPE1

200522D1_12



Dataset: U:\VG7.PRO\Results\200522D1\200522D1_9.qld

Last Altered: Friday, May 22, 2020 16:52:40 Pacific Daylight Time
Printed: Friday, May 22, 2020 16:53:49 Pacific Daylight Time

DB 5/22/20 CT 06/02/2020

Method: C:\MassLynx\Default.PROMethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200522D1_9, Date: 22-May-2020, Time: 16:17:55, ID: 2000957-11RE1 PDI-147SC-A-13-14-200425 17.29, Description: PDI-147SC-A-13-14-200425

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DB	EMPC
1	2,3,7,8-TCDF	4.97e3	0.81	NO	0.982	10.006	17.643	17.66	1.000	1.002	49.109		2.48	49.1
2	13C-2,3,7,8-TCDF	2.06e4	0.77	NO	1.08	10.006	17.689	17.62	1.133	1.135	122.92	61.5	3.44	
3	13C-1,2,3,4-TCDF	3.09e4	0.77	NO	1.00	10.006	15.660	15.53	1.000	1.000	199.87	100	3.72	

Dataset: U:\VG7.PRO\Results\200522D1\200522D1_9.qld

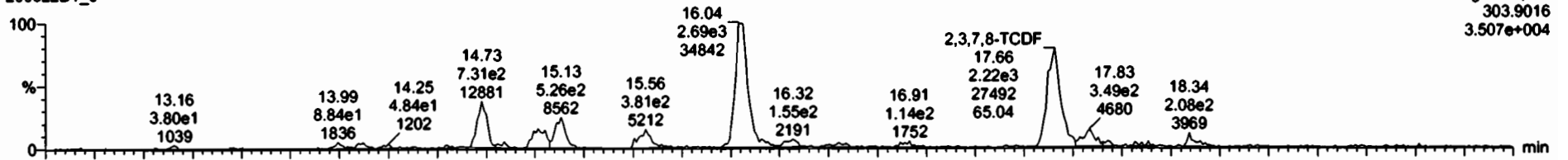
Last Altered: Friday, May 22, 2020 16:52:40 Pacific Daylight Time
Printed: Friday, May 22, 2020 16:54:08 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

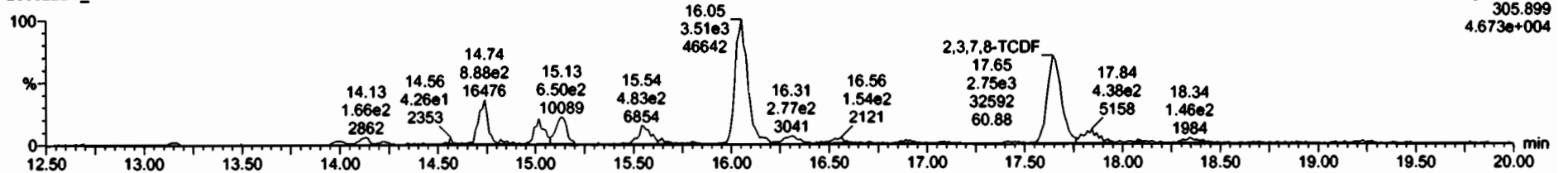
Name: 200522D1_9, Date: 22-May-2020, Time: 16:17:55, ID: 2000957-11RE1 PDI-147SC-A-13-14-200425 17.29, Description: PDI-147SC-A-13-14-200425

2,3,7,8-TCDF

200522D1_9

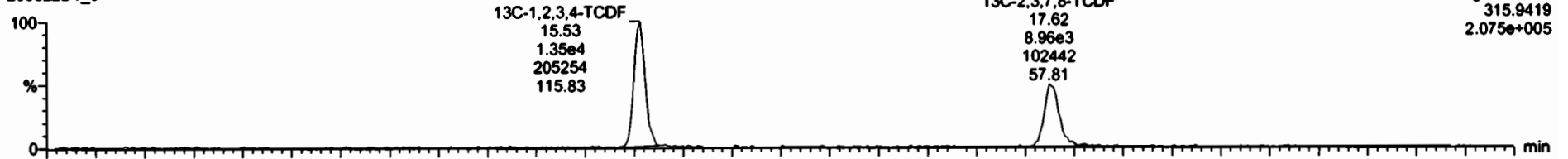


200522D1_9

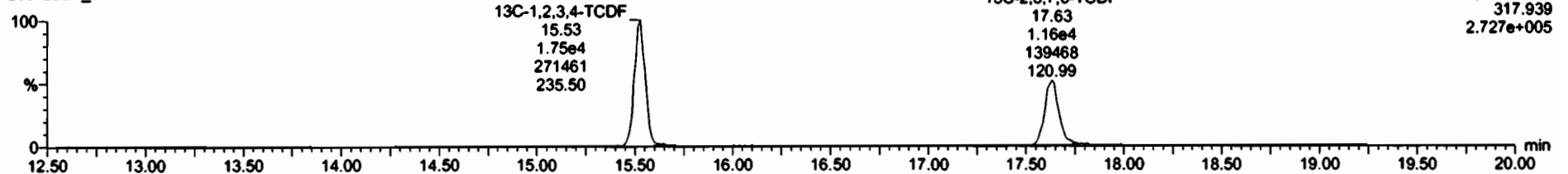


13C-2,3,7,8-TCDF

200522D1_9



200522D1_9



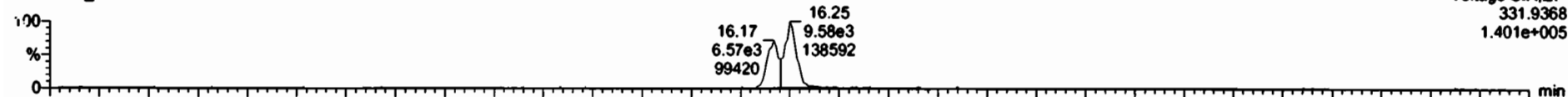
Dataset: U:\VG7.PRO\Results\200522D1\200522D1_9.qld

Last Altered: Friday, May 22, 2020 16:52:40 Pacific Daylight Time
Printed: Friday, May 22, 2020 16:54:08 Pacific Daylight Time

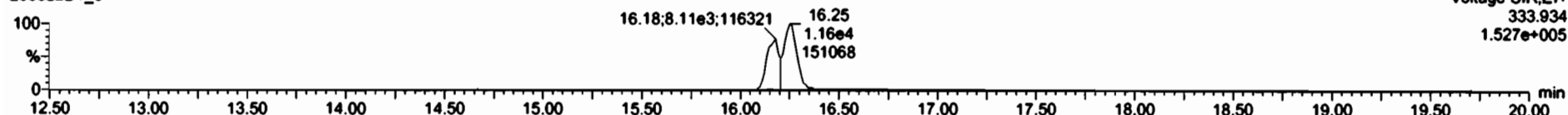
Name: 200522D1_9, Date: 22-May-2020, Time: 16:17:55, ID: 2000957-11RE1 PDI-147SC-A-13-14-200425 17.29, Description: PDI-147SC-A-13-14-200425

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

200522D1_9

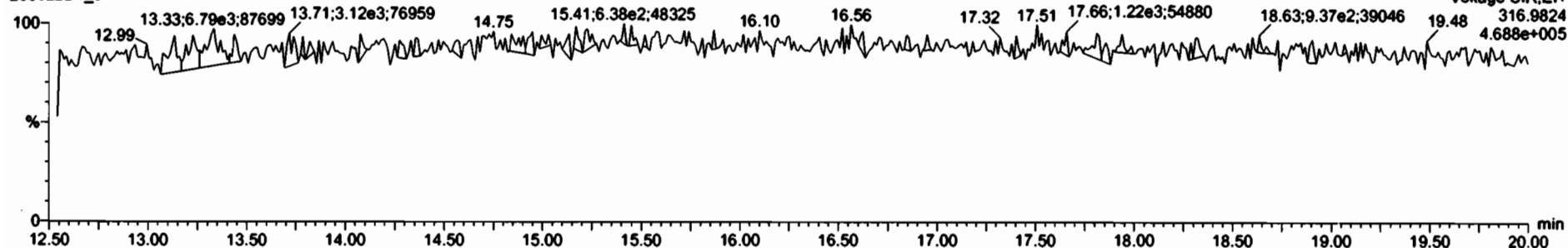


200522D1_9



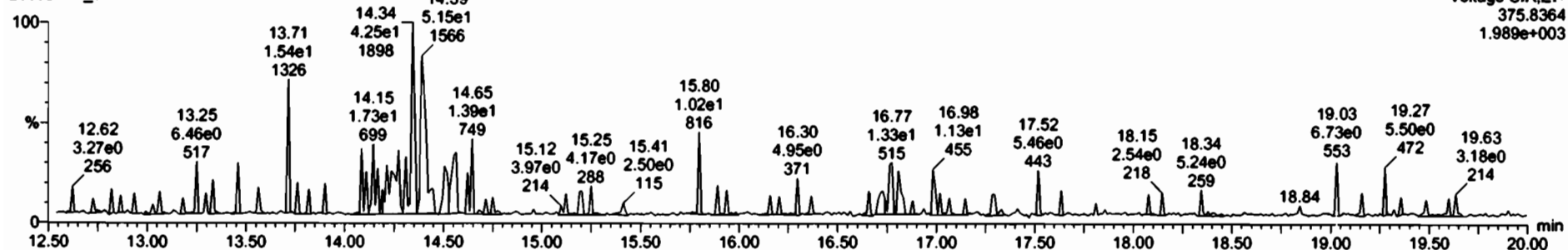
PFK1

200522D1_9



DPE1

200522D1_9



Dataset: U:\VG7.PRO\Results\200522D1\200522D1_10.qld

Last Altered: Tuesday, May 26, 2020 09:31:56 Pacific Daylight Time
Printed: Tuesday, May 26, 2020 09:32:11 Pacific Daylight Time

DB 5/26/20 C7 06/02/2020

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200522D1_10, Date: 22-May-2020, Time: 16:49:37, ID: 2000957-12RE1 PDI-147SC-A-14-14.5-200425 15.7, Description: PDI-147SC-A-14-14.5-200425

#	Name	Resp	RA	n/y	RRF	w/Vol	Prod.RT	RT	Prod.RRT	RRT2	Conc	Area	Conc
1	2,3,7,8-TCDF	2.57e2	0.73	NO	0.982	10.019	17.643	17.68	1.000	1.003	1.3483	0.716	1.35
2	13C-2,3,7,8-TCDF	3.87e4	0.76	NO	1.08	10.019	17.666	17.62	1.133	1.137	182.79	91.6	2.60
3	13C-1,2,3,4-TCDF	3.90e4	0.81	NO	1.00	10.019	15.660	15.51	1.000	1.000	199.62	100	2.82

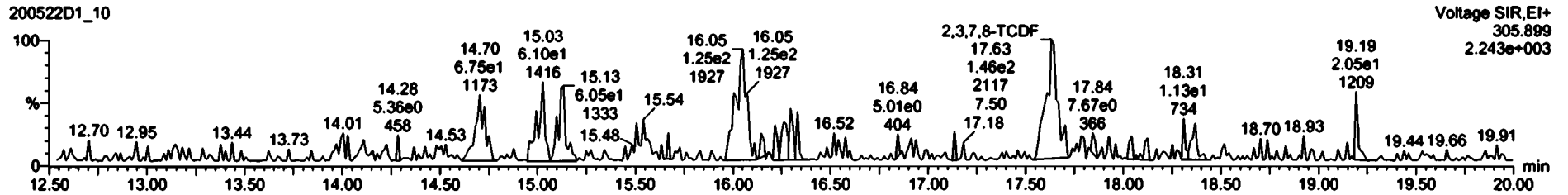
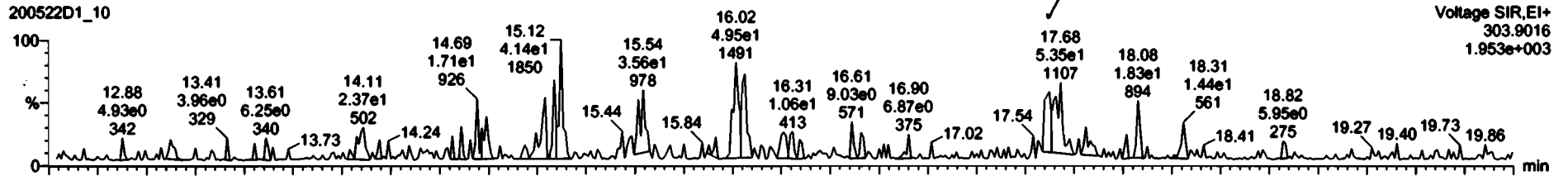
Dataset: U:\VG7.PRO\Results\200522D1\200522D1_10.qld

Last Altered: Tuesday, May 26, 2020 09:28:52 Pacific Daylight Time
Printed: Tuesday, May 26, 2020 09:31:16 Pacific Daylight Time

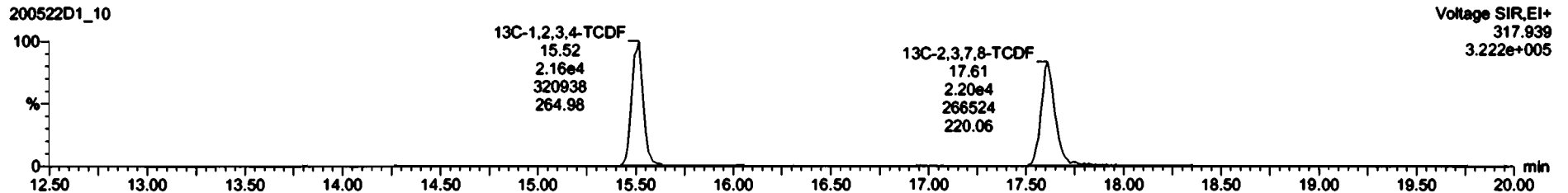
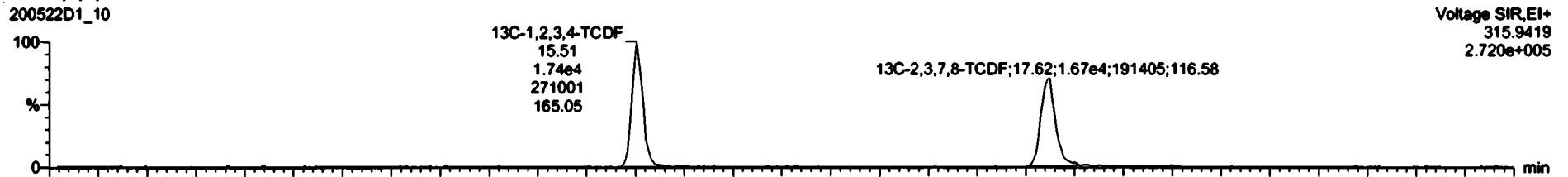
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

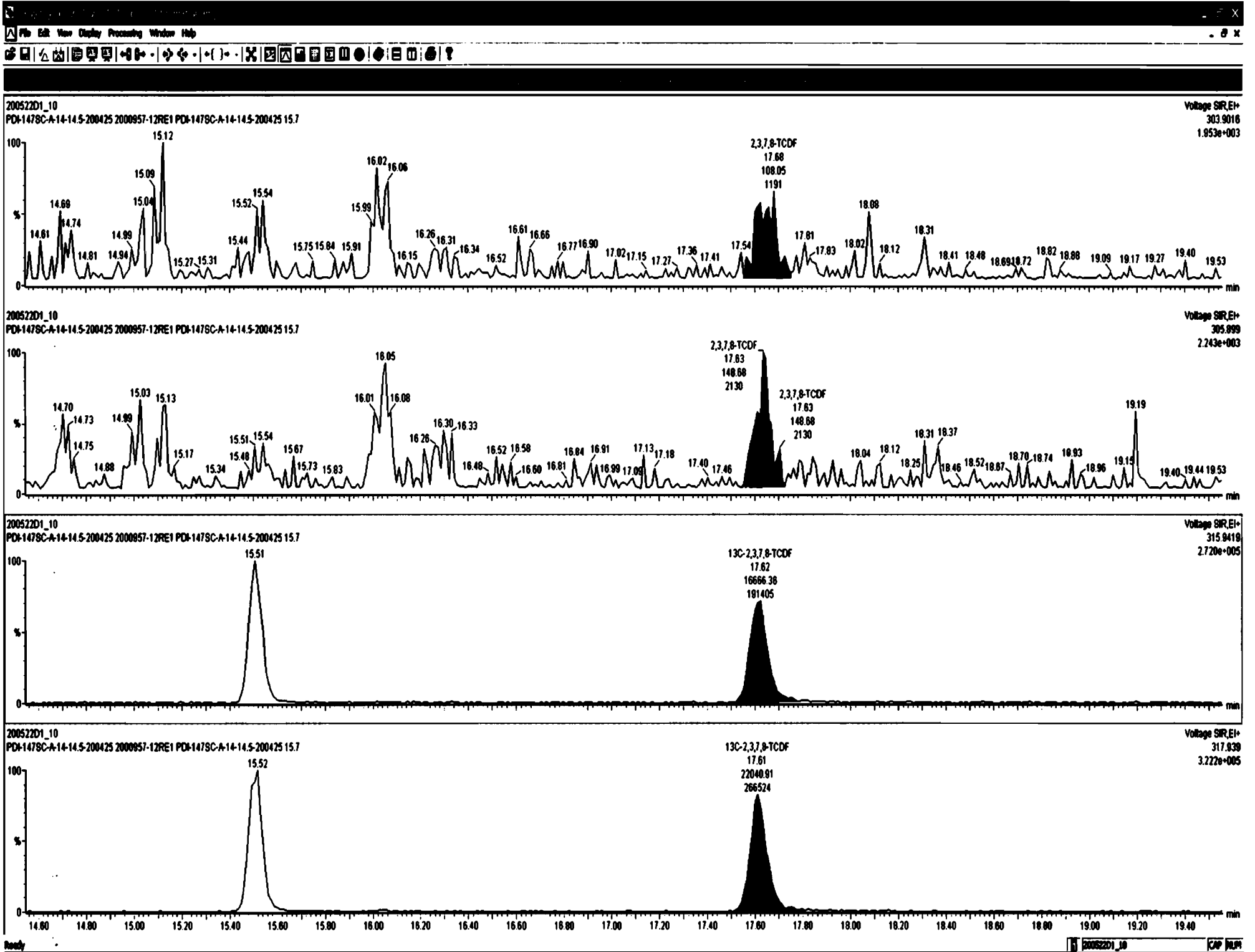
Name: 200522D1_10, Date: 22-May-2020, Time: 16:49:37, ID: 2000957-12RE1 PDI-147SC-A-14-14.5-200425 15.7, Description: PDI-147SC-A-14-14.5-200425

2,3,7,8-TCDF



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





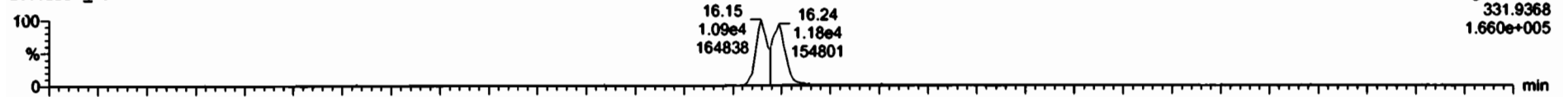
Dataset: U:\VG7.PRO\Results\200522D1\200522D1_10.qld

Last Altered: Tuesday, May 26, 2020 09:28:52 Pacific Daylight Time
Printed: Tuesday, May 26, 2020 09:31:16 Pacific Daylight Time

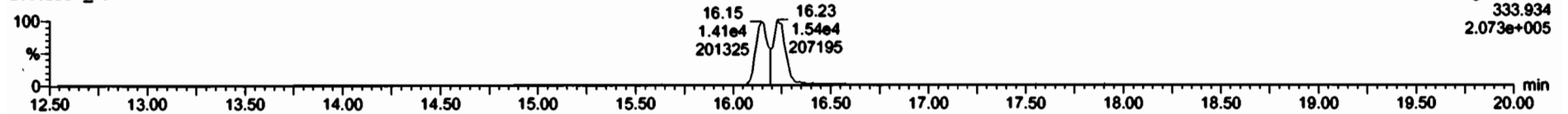
Name: 200522D1_10, Date: 22-May-2020, Time: 16:49:37, ID: 2000957-12RE1 PDI-147SC-A-14-14.5-200425 15.7, Description: PDI-147SC-A-14-14.5-200425

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

200522D1_10

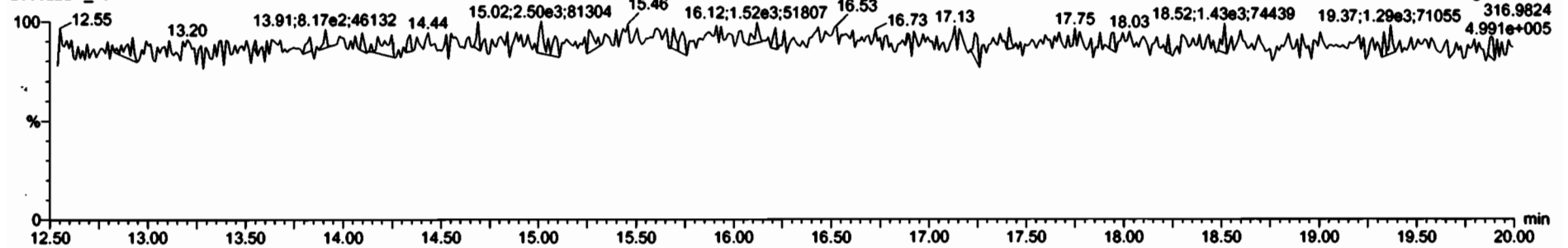


200522D1_10



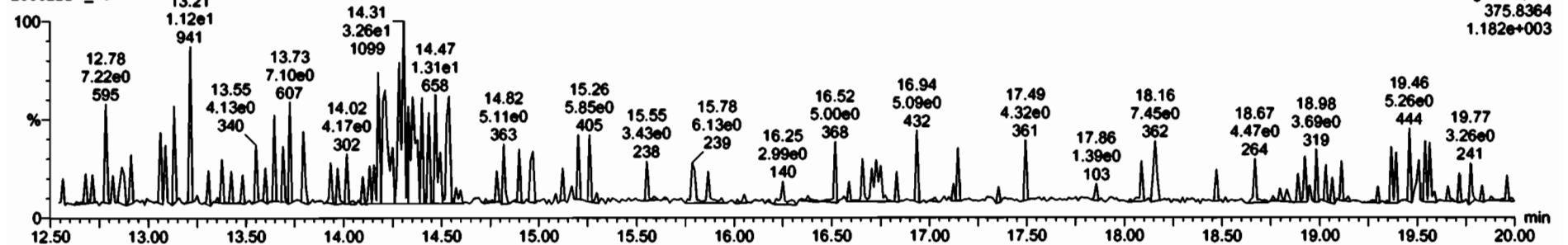
PFK1

200522D1_10



DPE1

200522D1_10



Dataset: U:\VG7.PRO\Results\200522D1\200522D1_11.qld

Last Altered: Tuesday, May 26, 2020 09:37:01 Pacific Daylight Time
Printed: Tuesday, May 26, 2020 09:37:15 Pacific Daylight Time

DB 5/26/20 C1 06/02/2020

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200522D1_11, Date: 22-May-2020, Time: 17:21:19, ID: 2000957-13RE1 PDI-149SC-A-00-01-200425 12.4, Description: PDI-149SC-A-00-01-200425

PK Name	Resp	RA	ny	RRF	wt/vol	Pred RT	RT	Pred RRF	RRF	Conc	RRF	DL	EMPC
1 2,3,7,8-TCDF	1.95e2	0.77	NO	0.982	10.004	17.642	17.65	1.000	1.001	1.5107		1.12	1.51
2 13C-2,3,7,8-TCDF	2.62e4	0.75	NO	1.08	10.004	17.689	17.62	1.133	1.135	183.18	91.6	3.88	
3 13C-1,2,3,4-TCDF	2.64e4	0.77	NO	1.00	10.004	15.660	15.53	1.000	1.000	199.92	100	4.20	

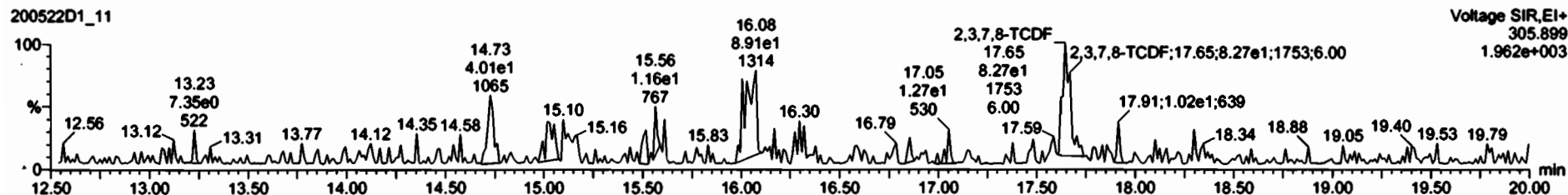
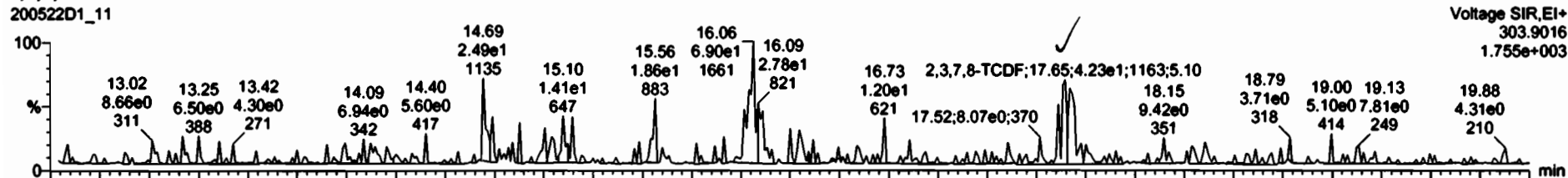
Dataset: U:\VG7.PRO\Results\200522D1\200522D1_11.qld

Last Altered: Tuesday, May 26, 2020 09:35:21 Pacific Daylight Time
Printed: Tuesday, May 26, 2020 09:36:28 Pacific Daylight Time

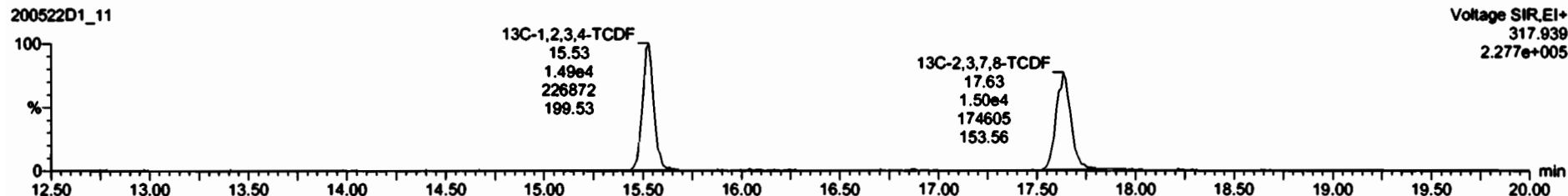
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg-2-11-20.cdb 12 Feb 2020 11:17:56

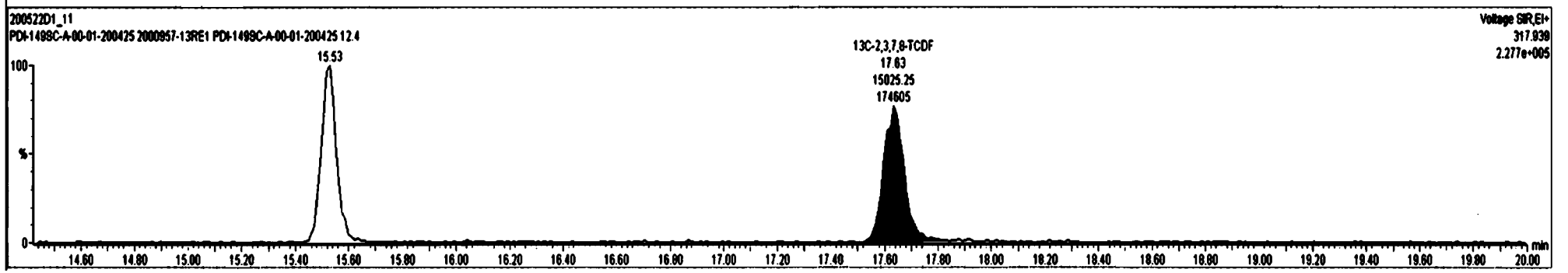
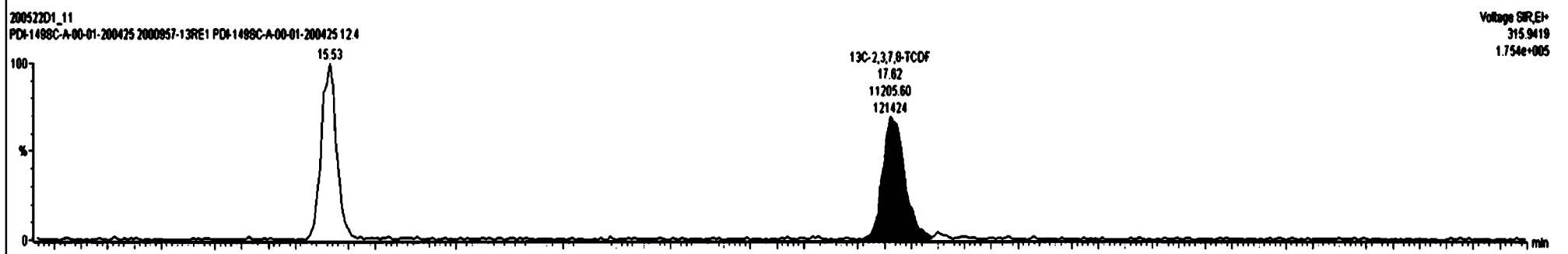
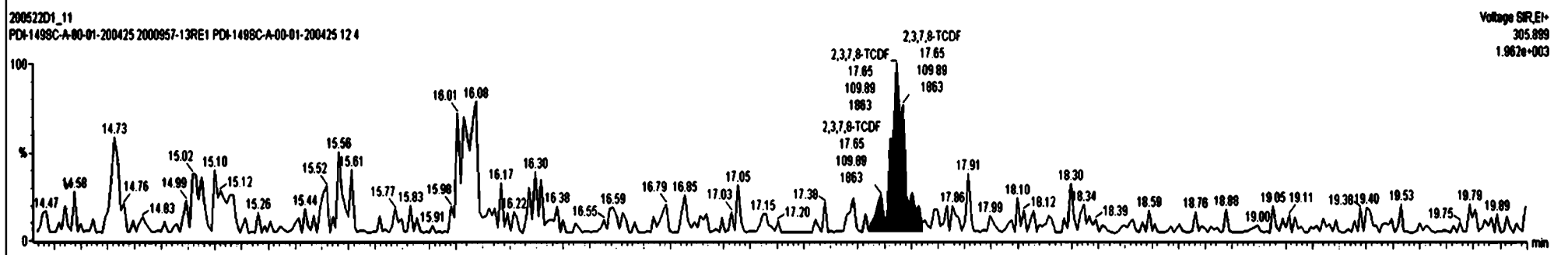
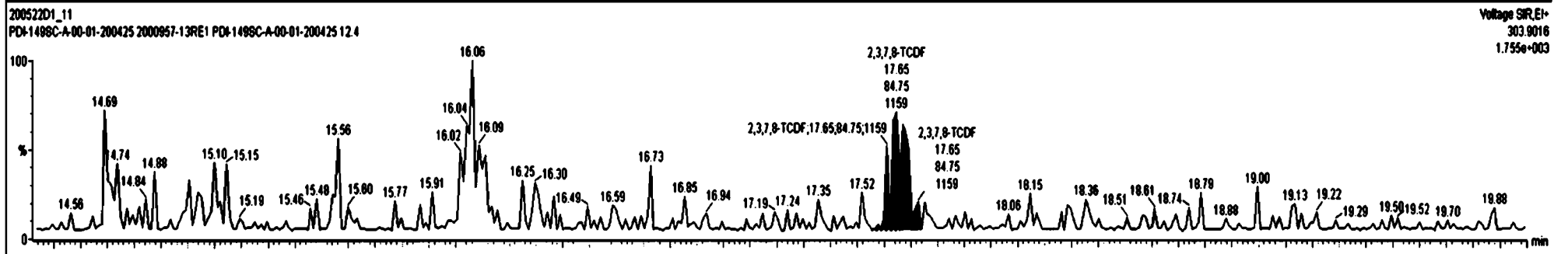
Name: 200522D1_11, Date: 22-May-2020, Time: 17:21:19, ID: 2000957-13RE1 PDI-149SC-A-00-01-200425 12.4, Description: PDI-149SC-A-00-01-200425

2,3,7,8-TCDF



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





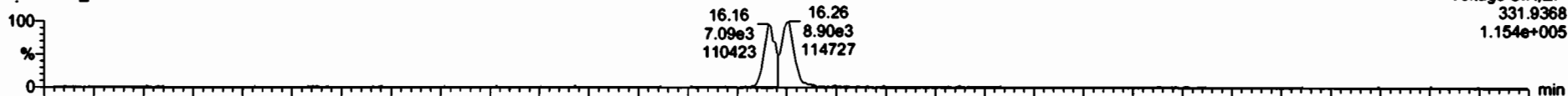
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Last Altered: Tuesday, May 26, 2020 09:35:21 Pacific Daylight Time
Printed: Tuesday, May 26, 2020 09:36:28 Pacific Daylight Time

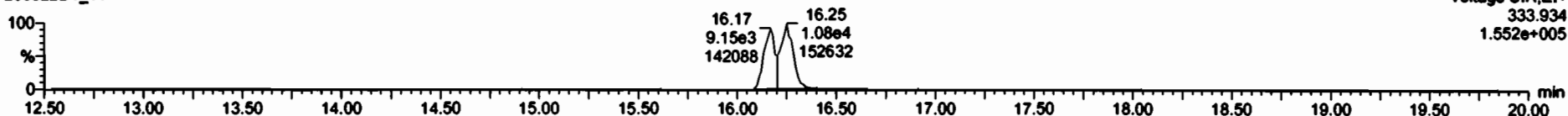
Name: 200522D1_11, Date: 22-May-2020, Time: 17:21:19, ID: 2000957-13RE1 PDI-149SC-A-00-01-200425 12.4, Description: PDI-149SC-A-00-01-200425

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

200522D1_11

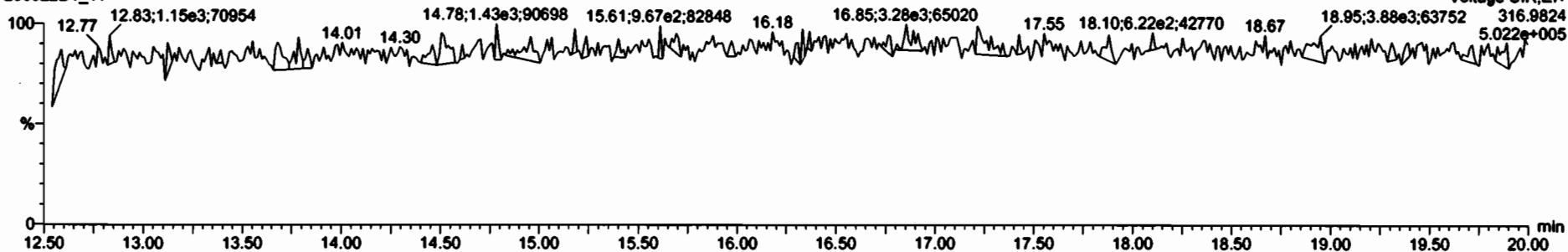


200522D1_11



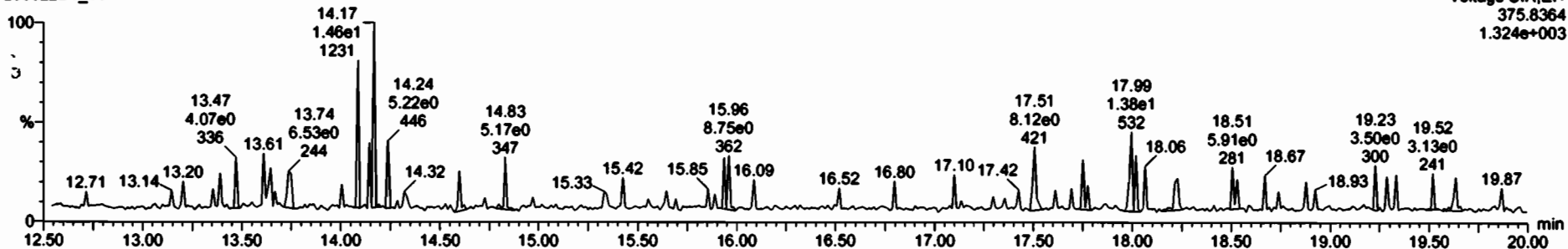
PFK1

200522D1_11



DPE1

200522D1_11



CONTINUING CALIBRATION

HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200519R2-1

Reviewed By: CJ 05/20/2020
Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/> <u>NA</u>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct ICAL referenced?	<u>GRB</u>	<u> </u>
<u>Run Log:</u>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/> <u>↓</u>
- Samples within 12 hour clock?	<input checked="" type="checkbox"/> <u>Y</u>	<input type="checkbox"/> <u>N</u>
- Bottle position verified?	<u>GRB</u>	<u> </u>

	<u>Beg.</u>	<u>End</u>
Mass resolution ≥	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614 1699 429 1613/1668/8280		
Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/> <u>NA</u>
GC Break <20%		<input type="checkbox"/> <u>NA</u>
<u>8280 CS1 End Standard:</u>		
- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		<input type="checkbox"/> <u>NA</u>

Comments:
 Ⓚ FILAMENT DIED DURING RUN. FILAMENT REPLACED & END RES CHECK PROCESSED MANUALLY W/ NO CHANGES MADE TO TUNING.
 GRB 05/20/2020

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-2.qld

Last Altered: Tuesday, May 19, 2020 15:10:34 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 15:10:44 Pacific Daylight Time

GRB 05/19/2020

C7 05/20/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200519R2_2, Date: 19-May-2020, Time: 14:17:20, ID: ST200519R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	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	1.34e5	1.55e6	0.76	NO	0.947	26.05	26.03	NO	1.001	1.001	9.0874	90.9	NO
2	2 1,2,3,7,8-PeCDD	5.21e5	1.22e6	0.61	NO	0.942	31.13	31.13	NO	1.001	1.000	45.421	90.8	NO
3	3 1,2,3,4,7,8-HxCDD	4.54e5	8.80e5	1.23	NO	1.06	34.49	34.49	NO	1.000	1.000	48.506	97.0	NO
4	4 1,2,3,6,7,8-HxCDD	4.93e5	1.10e6	1.25	NO	0.915	34.59	34.60	NO	1.000	1.000	49.154	98.3	NO
5	5 1,2,3,7,8,9-HxCDD	4.38e5	1.00e6	1.24	NO	0.915	34.87	34.88	NO	1.000	1.001	47.661	95.3	NO
6	6 1,2,3,4,6,7,8-HpCDD	3.64e5	8.28e5	1.03	NO	0.898	38.37	38.37	NO	1.000	1.000	49.043	98.1	NO
7	7 OCDD	7.27e5	1.55e6	0.90	NO	0.933	41.34	41.35	NO	1.000	1.000	100.66	101	NO
8	8 2,3,7,8-TCDF	1.56e5	2.00e6	0.74	NO	0.787	25.10	25.11	NO	1.001	1.001	9.8971	99.0	NO
9	9 1,2,3,7,8-PeCDF	7.72e5	1.72e6	1.57	NO	0.910	29.82	29.81	NO	1.001	1.001	49.372	98.7	NO
10	10 2,3,4,7,8-PeCDF	7.76e5	1.64e6	1.54	NO	0.966	30.82	30.80	NO	1.001	1.000	48.924	97.8	NO
11	11 1,2,3,4,7,8-HxCDF	5.42e5	1.16e6	1.20	NO	0.878	33.62	33.63	NO	1.000	1.000	53.087	106	NO
12	12 1,2,3,6,7,8-HxCDF	6.12e5	1.31e6	1.22	NO	0.874	33.75	33.76	NO	1.000	1.001	53.358	107	NO
13	13 2,3,4,6,7,8-HxCDF	5.80e5	1.18e6	1.23	NO	0.922	34.35	34.32	NO	1.001	1.000	53.303	107	NO
14	14 1,2,3,7,8,9-HxCDF	4.52e5	1.01e6	1.21	NO	0.864	35.21	35.22	NO	1.000	1.000	51.813	104	NO
15	15 1,2,3,4,6,7,8-HpCDF	4.38e5	9.25e5	1.01	NO	0.871	36.98	36.96	NO	1.001	1.000	54.348	109	NO
16	16 1,2,3,4,7,8,9-HpCDF	3.60e5	6.57e5	1.01	NO	1.01	38.96	38.97	NO	1.000	1.000	54.124	108	NO
17	17 OCDF	7.76e5	1.79e6	0.87	NO	0.802	41.52	41.53	NO	1.000	1.000	107.83	108	NO
18	18 13C-2,3,7,8-TCDD	1.55e6	1.32e6	0.78	NO	1.16	26.00	26.02	NO	1.026	1.027	101.30	101	NO
19	19 13C-1,2,3,7,8-PeCDD	1.22e6	1.32e6	0.63	NO	0.847	31.09	31.11	NO	1.227	1.228	108.71	109	NO
20	20 13C-1,2,3,4,7,8-HxCDD	8.80e5	1.18e6	1.27	NO	0.750	34.49	34.48	NO	1.014	1.014	99.466	99.5	NO
21	21 13C-1,2,3,6,7,8-HxCDD	1.10e6	1.18e6	1.27	NO	0.963	34.61	34.59	NO	1.017	1.017	96.567	96.6	NO
22	22 13C-1,2,3,7,8,9-HxCDD	1.00e6	1.18e6	1.28	NO	0.838	34.88	34.86	NO	1.025	1.025	101.68	102	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	8.28e5	1.18e6	1.04	NO	0.641	38.37	38.36	NO	1.128	1.128	109.37	109	NO
24	24 13C-OCDD	1.55e6	1.18e6	0.89	NO	0.586	41.36	41.34	NO	1.216	1.215	223.75	112	NO
25	25 13C-2,3,7,8-TCDF	2.00e6	1.86e6	0.78	NO	1.03	25.06	25.08	NO	0.989	0.990	104.10	104	NO
26	26 13C-1,2,3,7,8-PeCDF	1.72e6	1.86e6	1.58	NO	0.845	29.78	29.80	NO	1.176	1.176	109.42	109	NO
27	27 13C-2,3,4,7,8-PeCDF	1.64e6	1.86e6	1.58	NO	0.814	30.77	30.79	NO	1.215	1.215	108.45	108	NO
28	28 13C-1,2,3,4,7,8-HxCDF	1.16e6	1.18e6	0.51	NO	1.00	33.63	33.62	NO	0.989	0.988	98.010	98.0	NO
29	29 13C-1,2,3,6,7,8-HxCDF	1.31e6	1.18e6	0.52	NO	1.14	33.76	33.74	NO	0.992	0.992	97.896	97.9	NO
30	30 13C-2,3,4,6,7,8-HxCDF	1.18e6	1.18e6	0.51	NO	1.02	34.32	34.31	NO	1.009	1.009	97.922	97.9	NO
31	31 13C-1,2,3,7,8,9-HxCDF	1.01e6	1.18e6	0.51	NO	0.845	35.22	35.21	NO	1.035	1.035	101.29	101	NO

Dataset: U:\VG12.PRO\Results\200519R2\200519R2-2.qld

Last Altered: Tuesday, May 19, 2020 15:10:34 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 15:10:44 Pacific Daylight Time

ST Name: 200519R2_2, Date: 19-May-2020, Time: 14:17:20, ID: ST200519R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	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	9.25e5	1.18e6	0.43	NO	0.771	36.95	36.94	NO	1.086	1.086	101.70	102	NO
33	13C-1,2,3,4,7,8,9-HpCDF	6.57e5	1.18e6	0.44	NO	0.482	38.96	38.96	NO	1.145	1.145	115.49	115	NO
34	13C-OCDF	1.79e6	1.18e6	0.88	NO	0.669	41.53	41.52	NO	1.221	1.221	227.61	114	NO
35	37Cl-2,3,7,8-TCDD	1.47e5	1.32e6			1.10	26.03	26.03	NO	1.028	1.028	10.114	101	NO
36	13C-1,2,3,4-TCDD	1.32e6	1.32e6	0.79	NO	1.00	25.35	25.33	NO	1.000	1.000	100.00	100	NO
37	13C-1,2,3,4-TCDF	1.86e6	1.86e6	0.79	NO	1.00	23.56	23.55	NO	1.000	1.000	100.00	100	NO
38	13C-1,2,3,4,6,9-HxCDF	1.18e6	1.18e6	0.51	NO	1.00	34.00	34.01	NO	1.000	1.000	100.00	100	YES <i>ok</i>

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Wednesday, May 20, 2020 08:23:14 Pacific Daylight Time

Printed: Wednesday, May 20, 2020 08:23:27 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02

Calibration: U:\VG12.PRO\CurveDB\lb5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	200519R2_1	SOLVENT BLANK	19-May-20	13:30:34
2	200519R2_2	ST200519R2_1 1613 CS3 19L2305	19-May-20	14:17:20
3	200519R2_3	B0E0022-BS1 OPR 10	19-May-20	15:04:59
4	200519R2_4	SOLVENT BLANK	19-May-20	15:51:10
5	200519R2_5	B0E0022-BLK1 Method Blank 10	19-May-20	16:37:21
6	200519R2_6	2000957-01 PDI-1147SC-A-13-14-200425 17.36	19-May-20	17:23:34
7	200519R2_7	2000957-02 PDI-147SC-A-00-01-200425 15.08	19-May-20	18:09:46
8	200519R2_8	2000957-03 PDI-147SC-A-05-06-200425 14.49	19-May-20	18:55:58
9	200519R2_9	2000957-04 PDI-147SC-A-06-07-200425 14.69	19-May-20	19:42:09
10	200519R2_10	2000957-05 PDI-147SC-A-07-08-200425 16.47	19-May-20	20:28:21
11	200519R2_11	2000957-06 PDI-147SC-A-08-09-200425 16.24	19-May-20	21:14:33
12	200519R2_12	2000957-07 PDI-147SC-A-09-10-200425 15.75	19-May-20	22:00:45
13	200519R2_13	2000957-08 PDI-147SC-A-10-11-200425 16.14	19-May-20	22:46:57
14	200519R2_14	2000957-09 PDI-147SC-A-11-12-200425 16.41	19-May-20	23:33:08
15	200519R2_15	2000957-10 PDI-147SC-A-12-13-200425 16.97	20-May-20	00:19:20
16	200519R2_16	B0E0022-DUP1 Duplicate 16.97	20-May-20	01:05:31
17	200519R2_17	2000957-11 PDI-147SC-A-13-14-200425 17.29	20-May-20	01:51:43

Ⓐ FILAMENT WENT OUT. GRB 05/20/2020

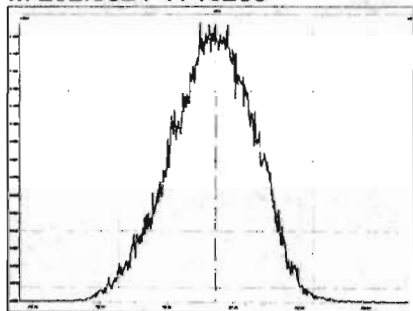
Experiment Calibration Report

MassLynx 4.1 SCN815

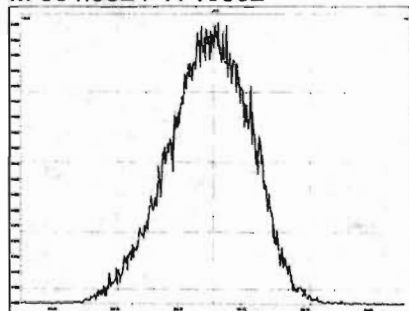
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 13:24:46 Pacific Daylight Time

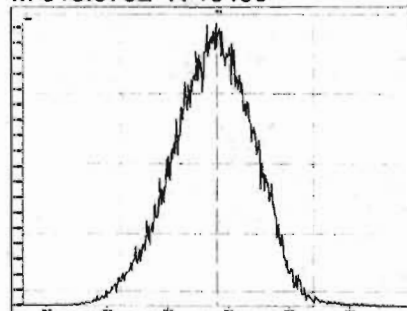
M 292.9824 R 10203



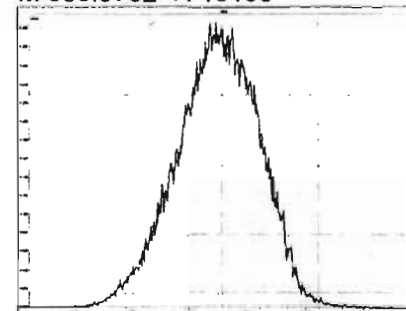
M 304.9824 R 10332



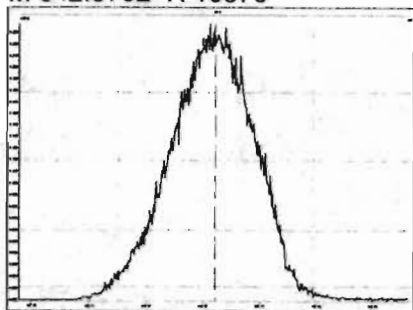
M 318.9792 R 10460



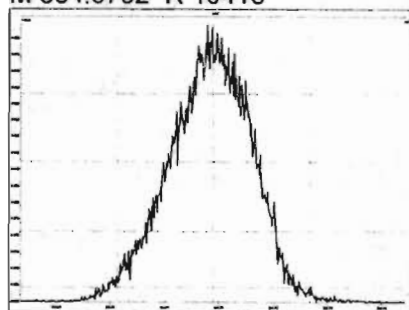
M 330.9792 R 10165



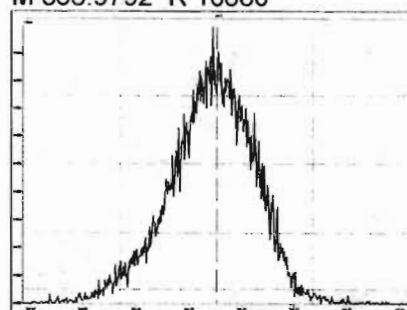
M 342.9792 R 10373



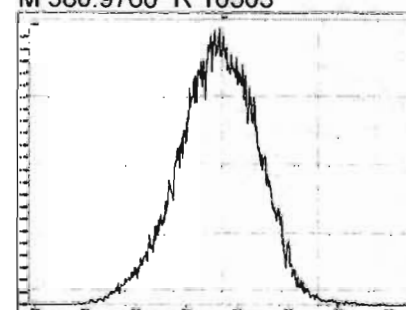
M 354.9792 R 10415



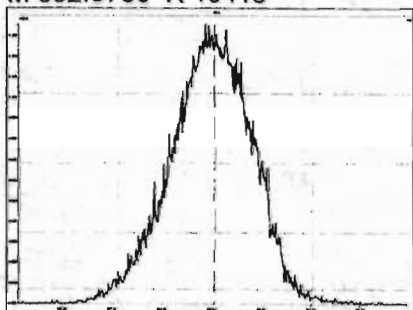
M 366.9792 R 10680



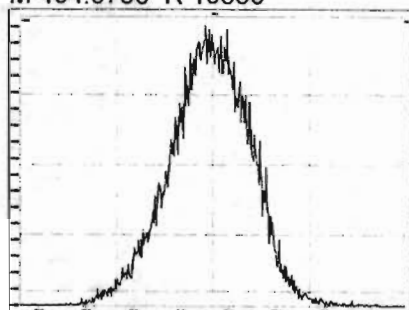
M 380.9760 R 10503



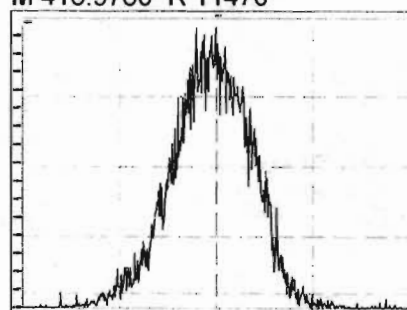
M 392.9760 R 10418



M 404.9760 R 10330



M 416.9760 R 11470

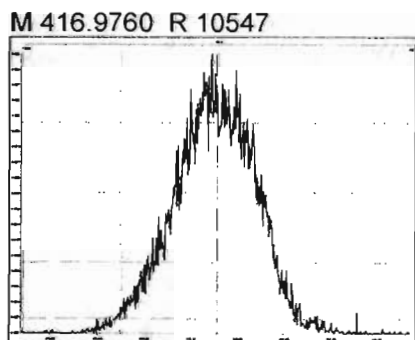
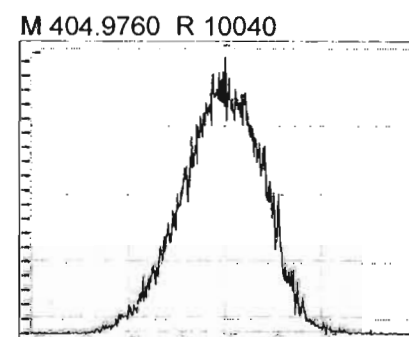
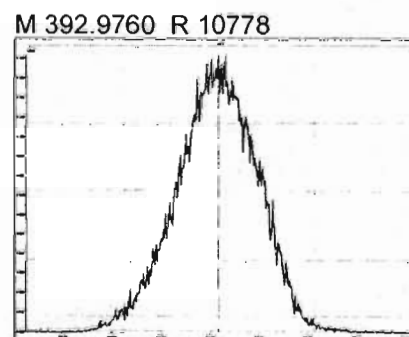
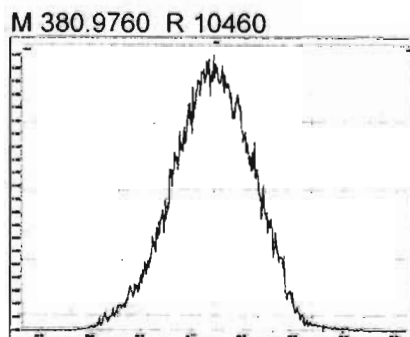
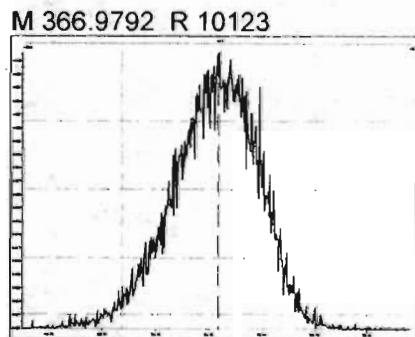
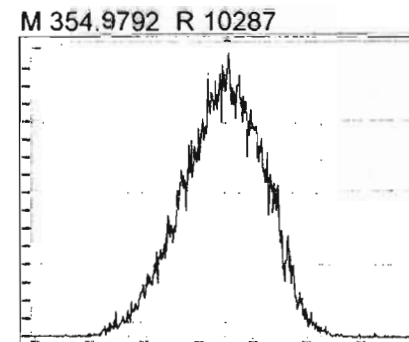
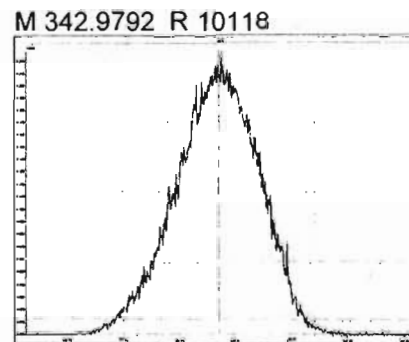
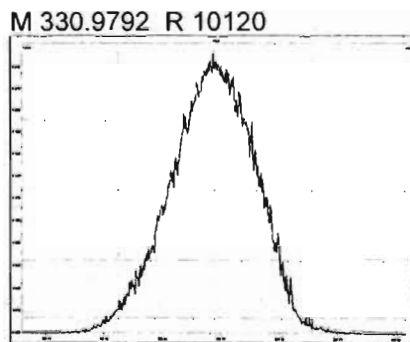
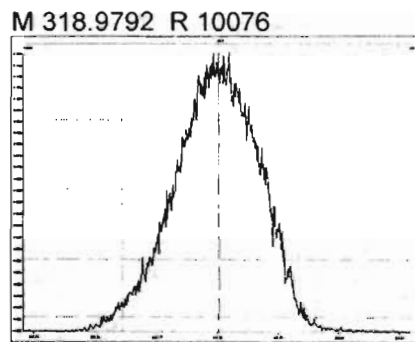


Experiment Calibration Report

MassLynx 4.1 SCN815

File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 13:27:12 Pacific Daylight Time

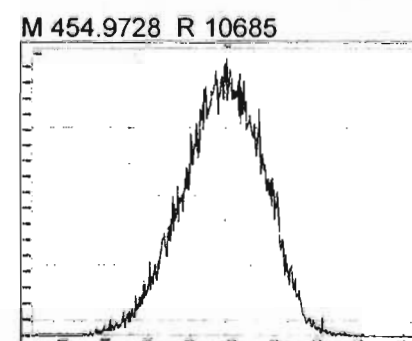
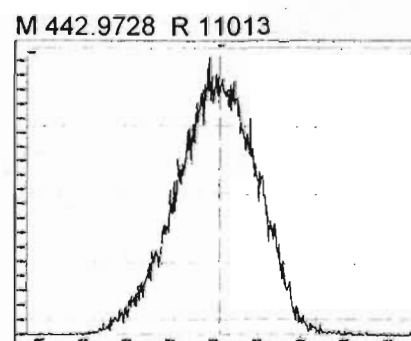
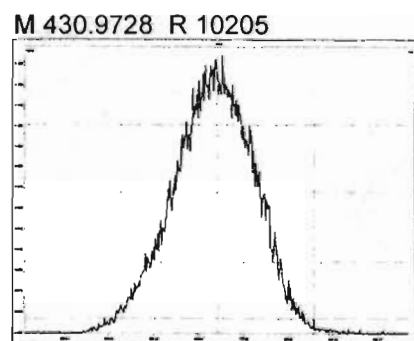
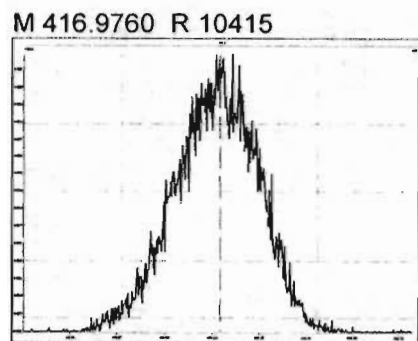
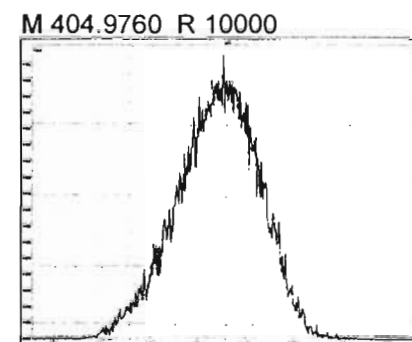
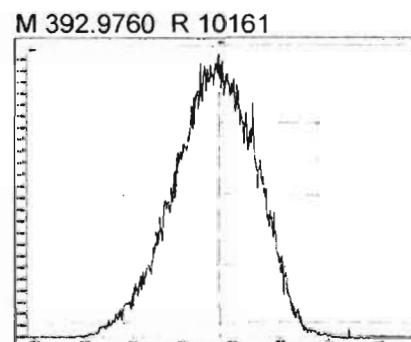
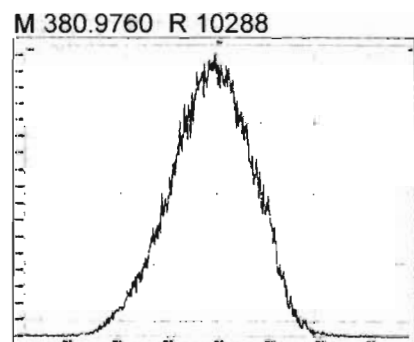
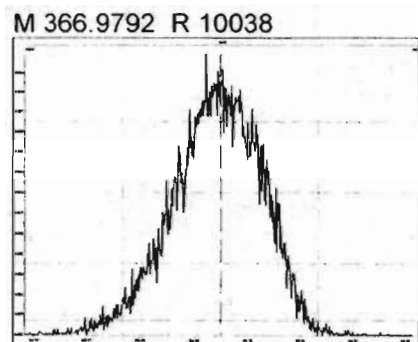


Experiment Calibration Report

MassLynx 4.1 SCN815

File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 13:28:30 Pacific Daylight Time



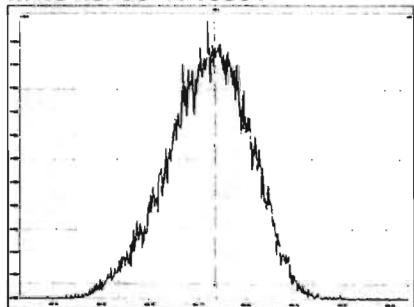
Experiment Calibration Report

MassLynx 4.1 SCN815

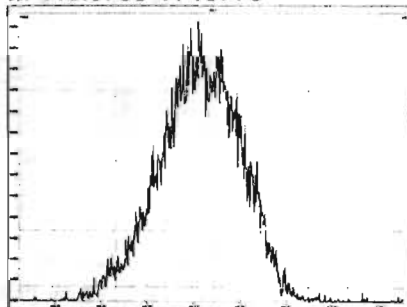
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 13:29:13 Pacific Daylight Time

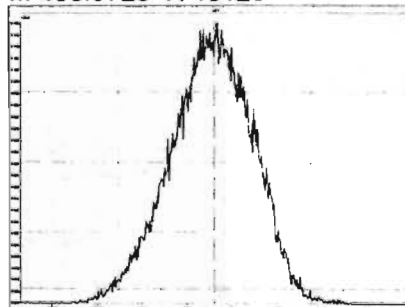
M 404.9760 R 10001



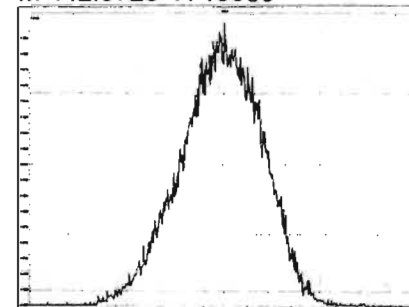
M 416.9760 R 10776



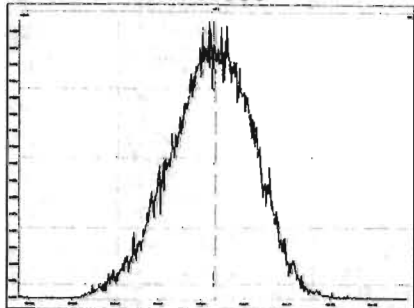
M 430.9728 R 10120



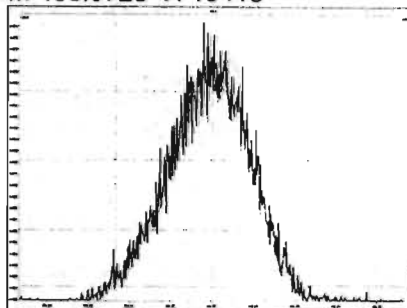
M 442.9728 R 10635



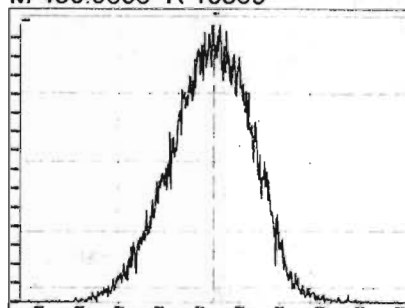
M 454.9728 R 10080



M 466.9728 R 10418



M 480.9696 R 10869

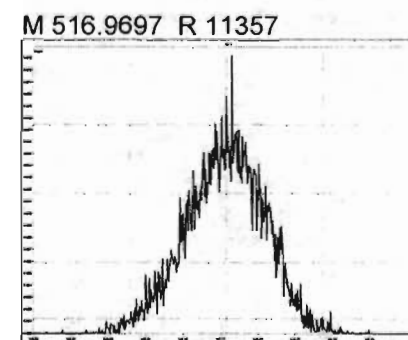
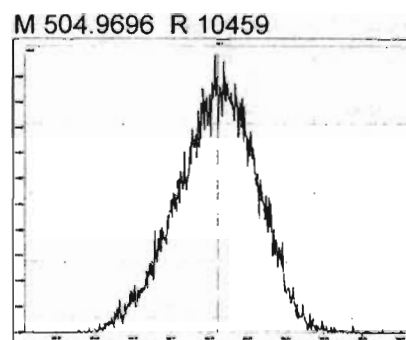
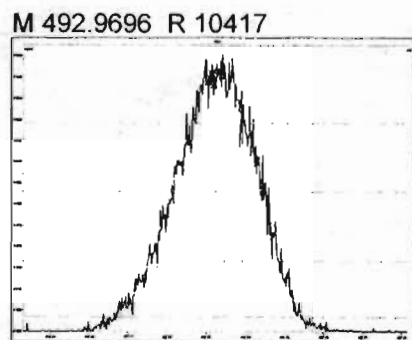
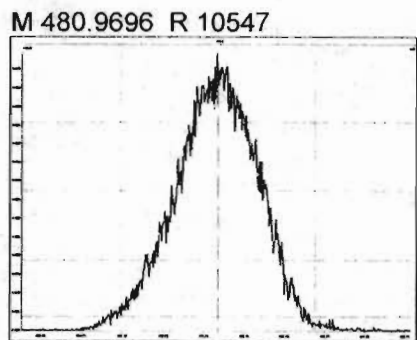
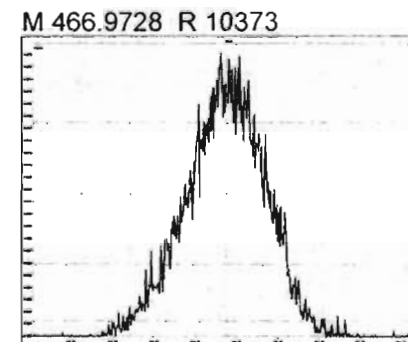
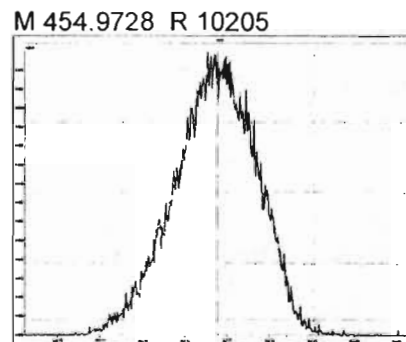
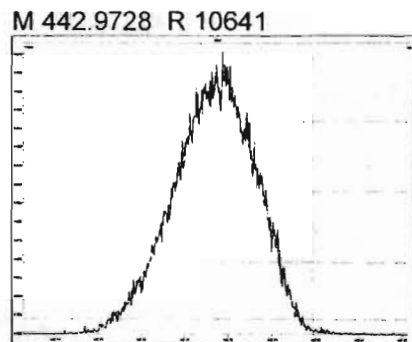
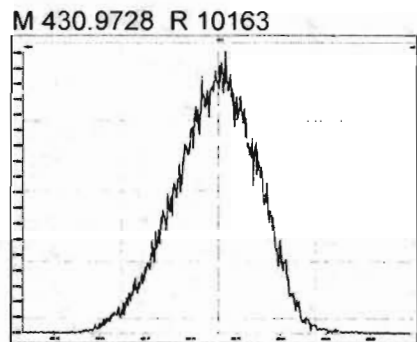


Experiment Calibration Report

MassLynx 4.1 SCN815

File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 13:29:58 Pacific Daylight Time



Dataset: Untitled

Last Altered: Tuesday, May 19, 2020 15:12:07 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 15:12:18 Pacific Daylight Time

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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200519R2_2, Date: 19-May-2020, Time: 14:17:20, ID: ST200519R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	# Name	RT
1	1 1,3,6,8-TCDD (First)	21.86
2	2 1,2,8,9-TCDD (Last)	27.02
3	3 1,2,4,7,9-PeCDD (First)	28.87
4	4 1,2,3,8,9-PeCDD (Last)	31.51
5	5 1,2,4,6,7,9-HxCDD (First)	33.01
6	6 1,2,3,7,8,9-HxCDD (Last)	34.88
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.34
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.37
9	9 1,3,6,8-TCDF (First)	19.81
10	10 1,2,8,9-TCDF (Last)	27.17
11	11 1,3,4,6,8-PeCDF (First)	27.14
12	12 1,2,3,8,9-PeCDF (Last)	31.75
13	13 1,2,3,4,6,8-HxCDF (First)	32.46
14	14 1,2,3,7,8,9-HxCDF (Last)	35.22
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.96
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.97

Dataset: Untitled

Last Altered: Tuesday, May 19, 2020 15:12:07 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 15:12:18 Pacific Daylight Time

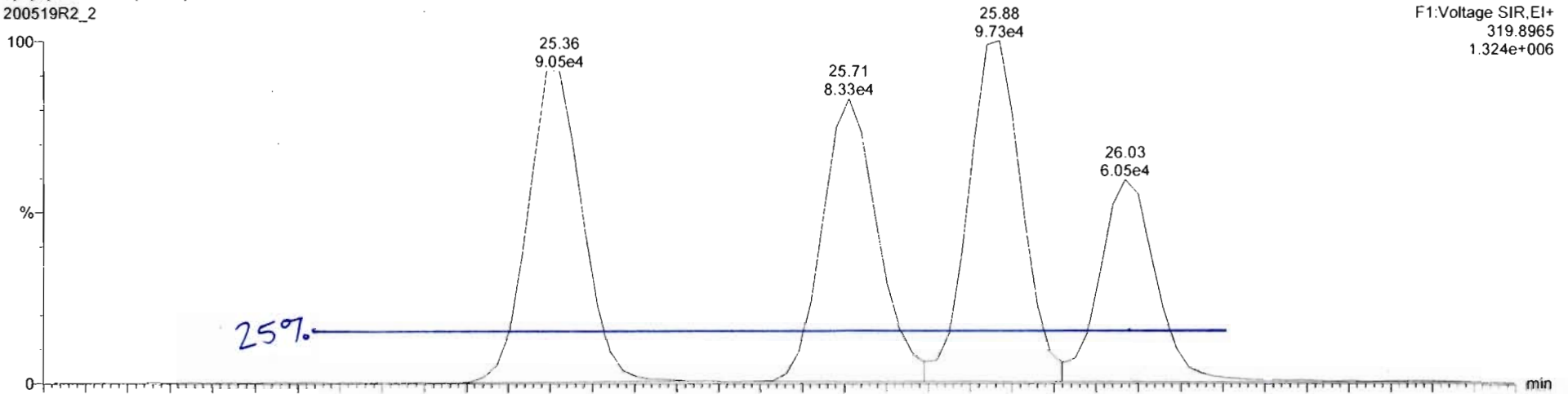
GRB 05/19/2020

Method: U:\VG12.PRO\MethDB\CPSM.mdb 08 Apr 2020 10:53:44
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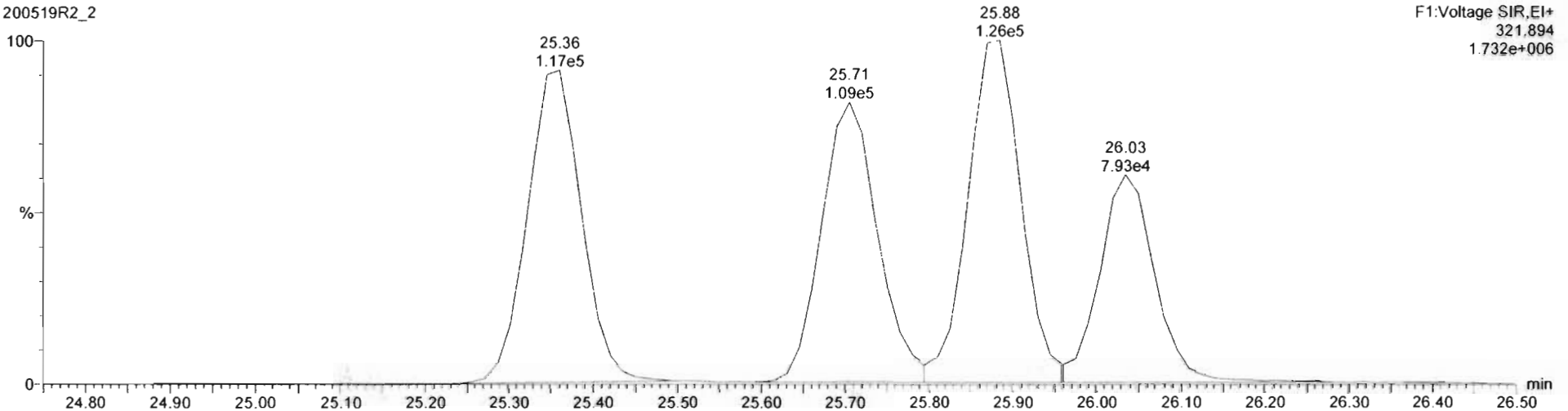
Name: 200519R2_2, Date: 19-May-2020, Time: 14:17:20, ID: ST200519R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,3,6,8-TCDD (First)

200519R2_2



200519R2_2



Dataset: Untitled

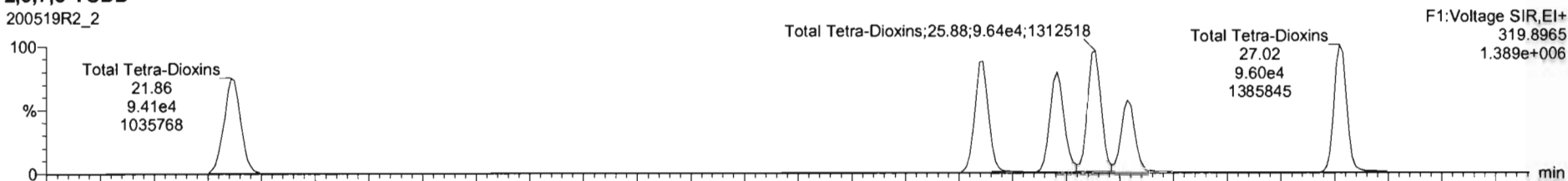
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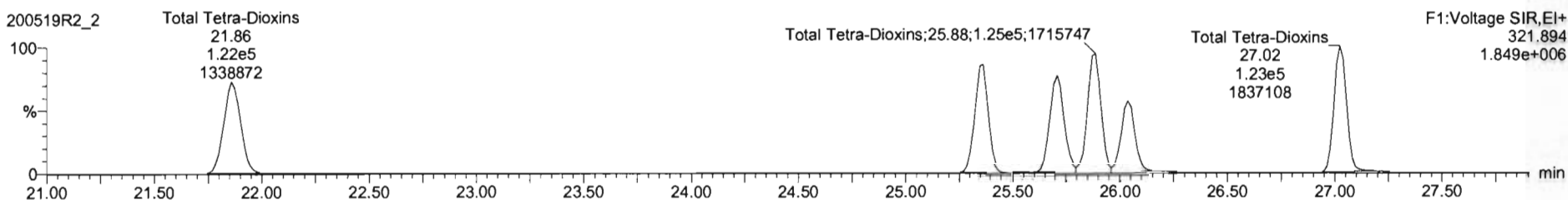
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2,3,7,8-TCDD

200519R2_2

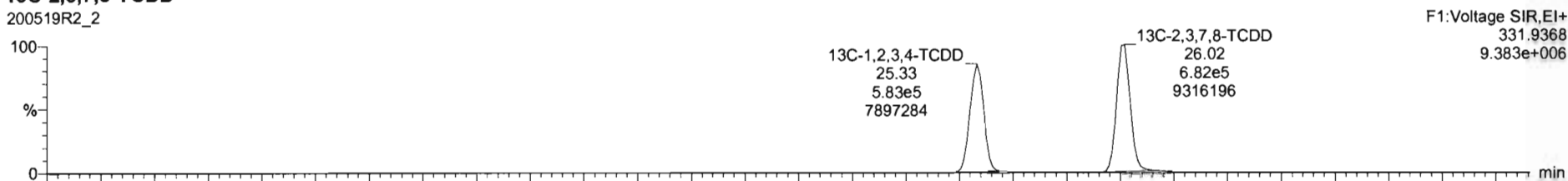


200519R2_2

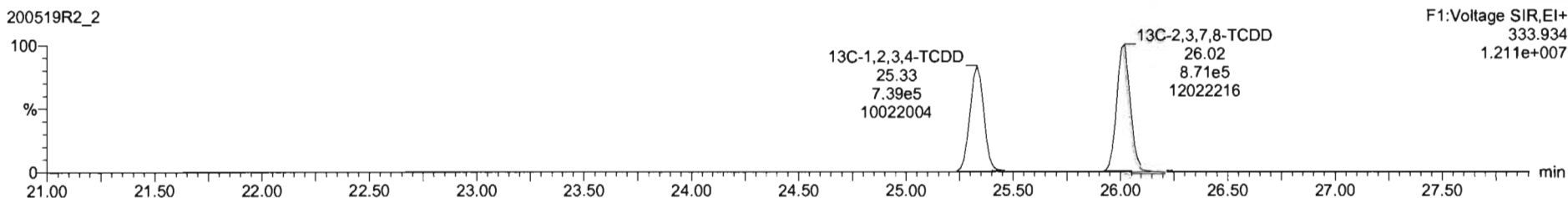


13C-2,3,7,8-TCDD

200519R2_2



200519R2_2



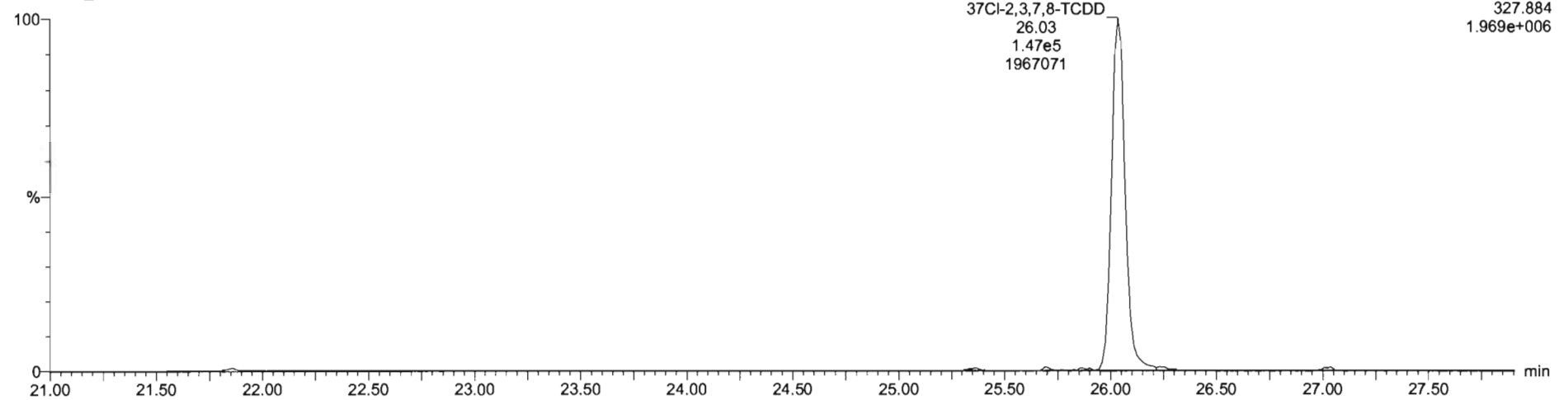
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Last Altered: Tuesday, May 19, 2020 15:12:30 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 15:12:50 Pacific Daylight Time

Name: 200519R2_2, Date: 19-May-2020, Time: 14:17:20, ID: ST200519R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

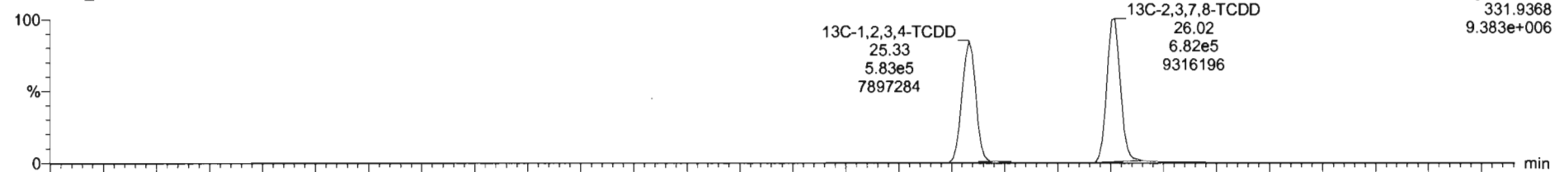
37Cl-2,3,7,8-TCDD

200519R2_2

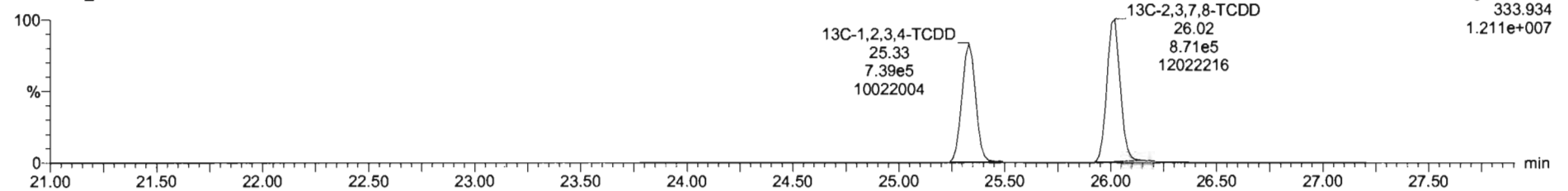


13C-1,2,3,4-TCDD

200519R2_2



200519R2_2



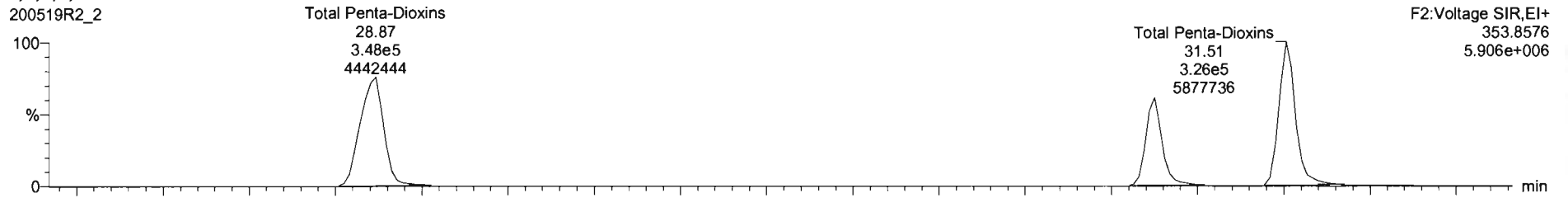
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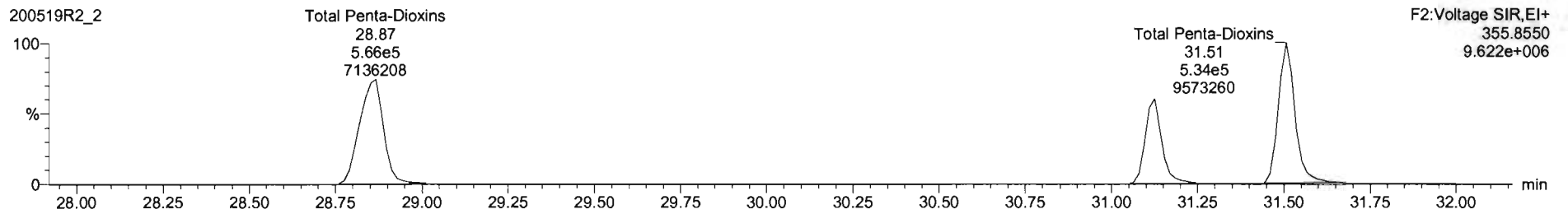
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1,2,3,7,8-PeCDD

200519R2_2

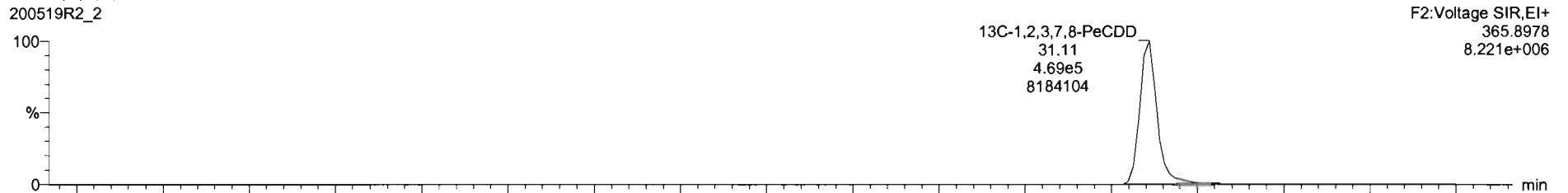


200519R2_2

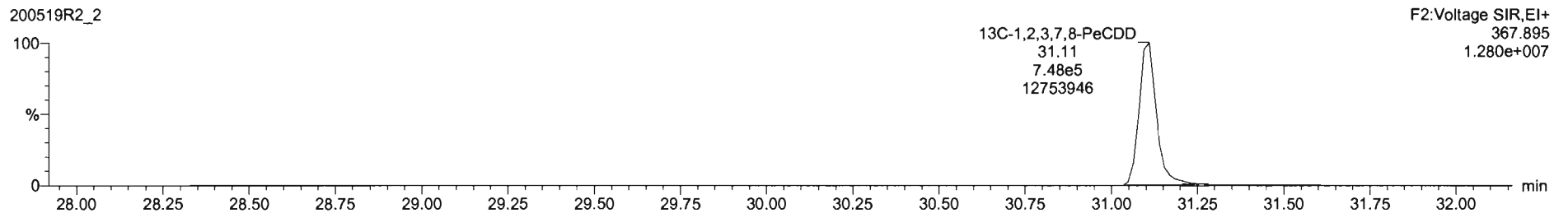


13C-1,2,3,7,8-PeCDD

200519R2_2



200519R2_2



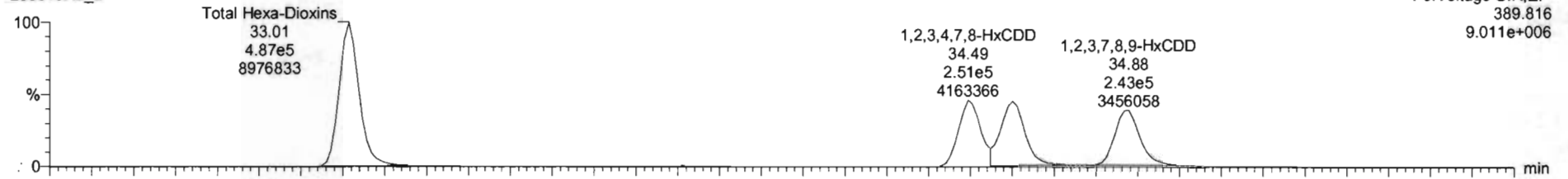
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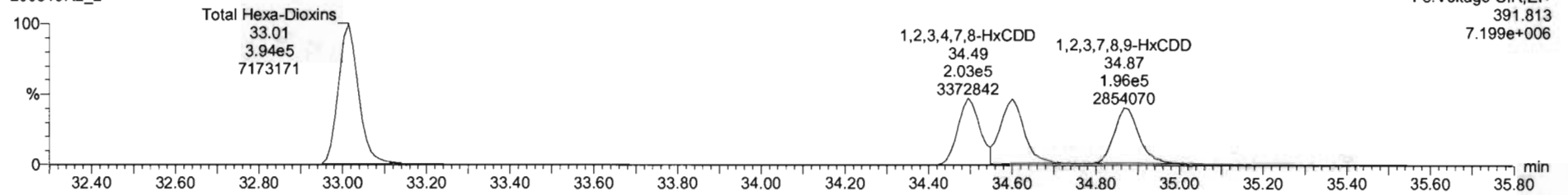
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1,2,3,4,7,8-HxCDD

200519R2_2

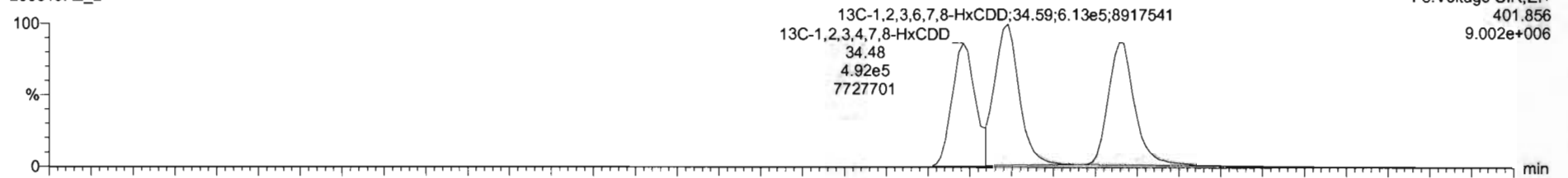


200519R2_2

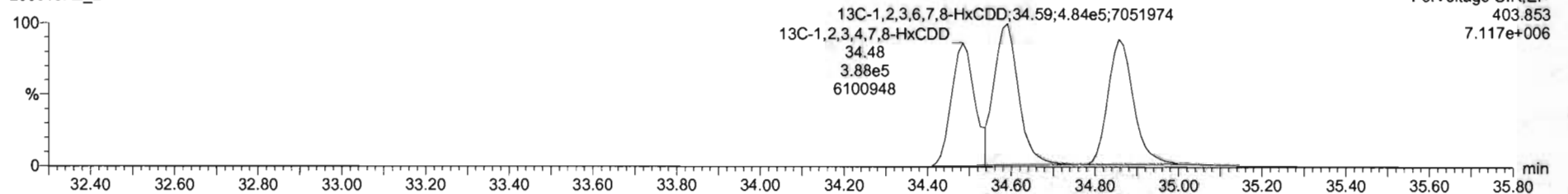


13C-1,2,3,4,7,8-HxCDD

200519R2_2



200519R2_2



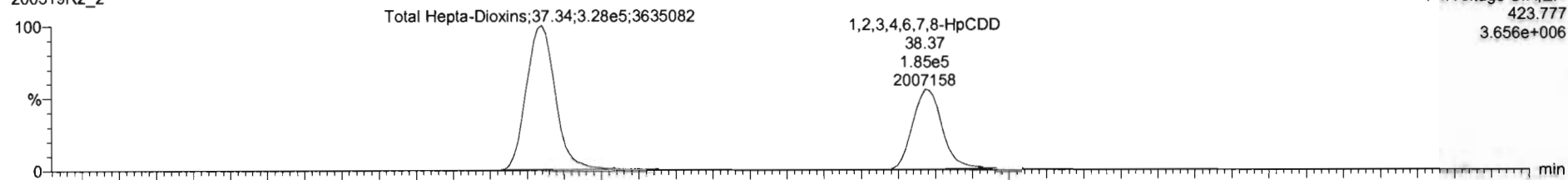
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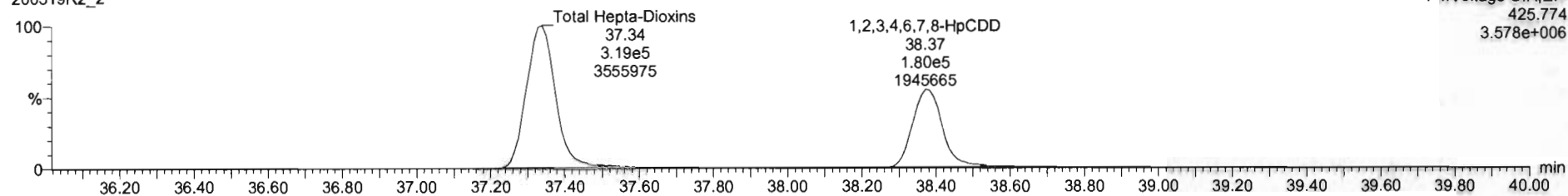
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1,2,3,4,6,7,8-HpCDD

200519R2_2

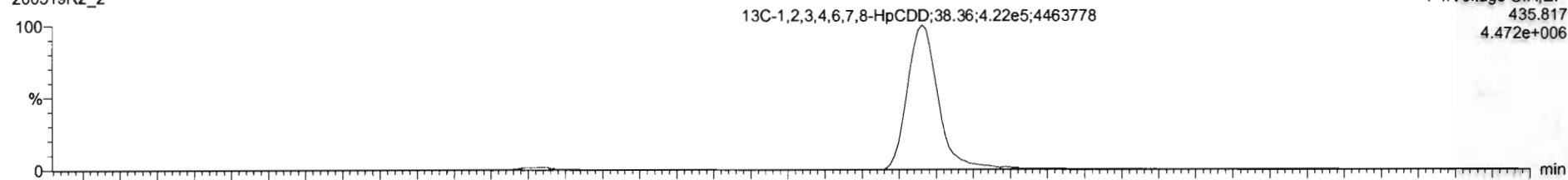


200519R2_2

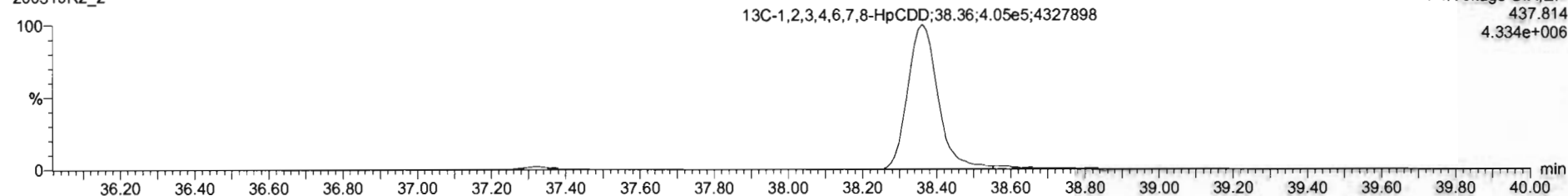


13C-1,2,3,4,6,7,8-HpCDD

200519R2_2



200519R2_2



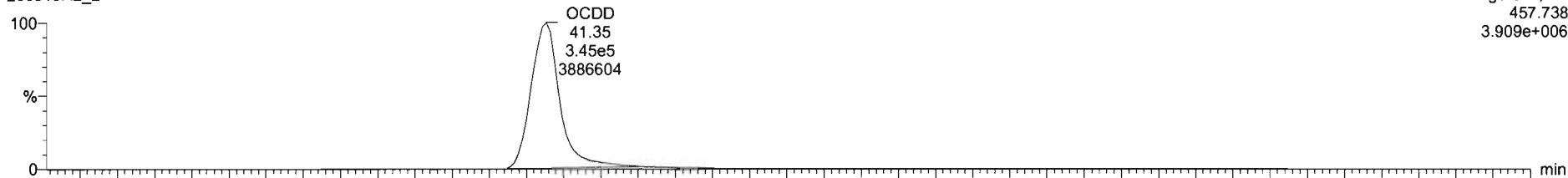
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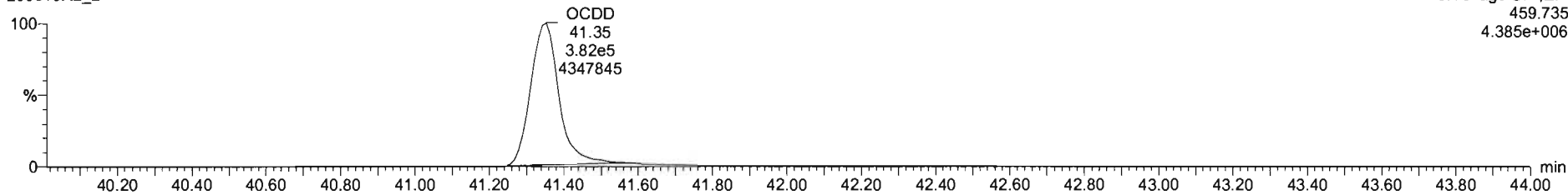
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OCDD

200519R2_2

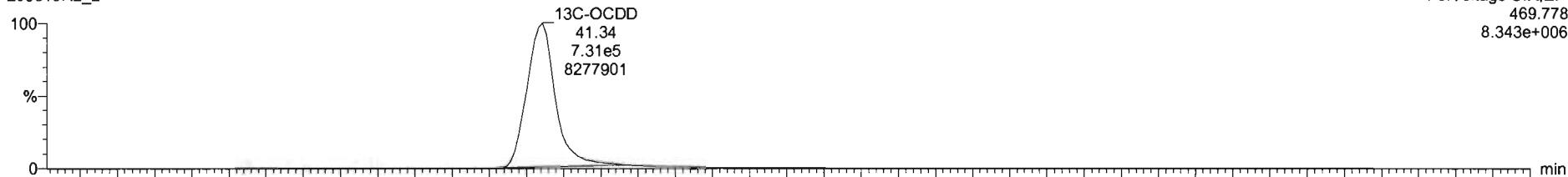


200519R2_2

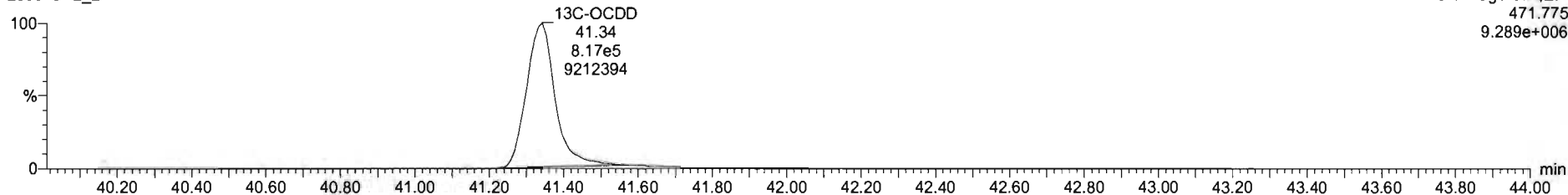


13C-OCDD

200519R2_2



200519R2_2

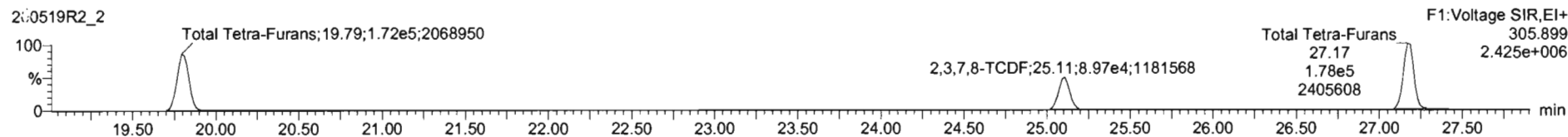


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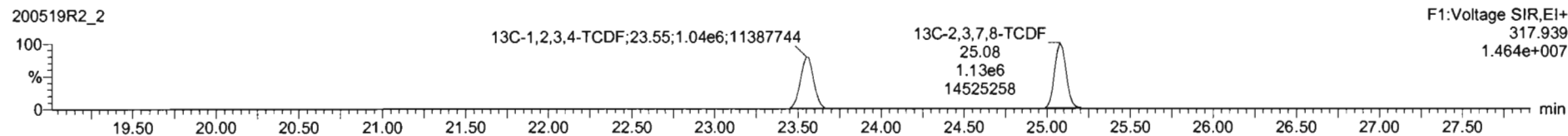
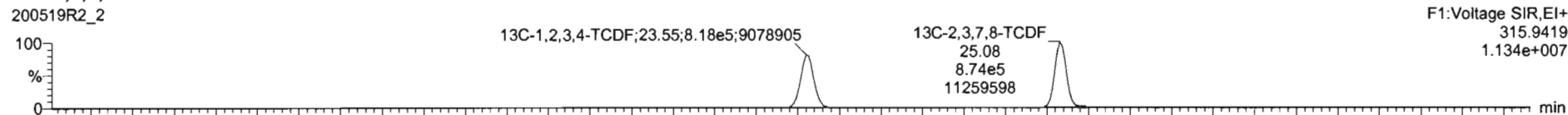
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Name: 200519R2_2, Date: 19-May-2020, Time: 14:17:20, ID: ST200519R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

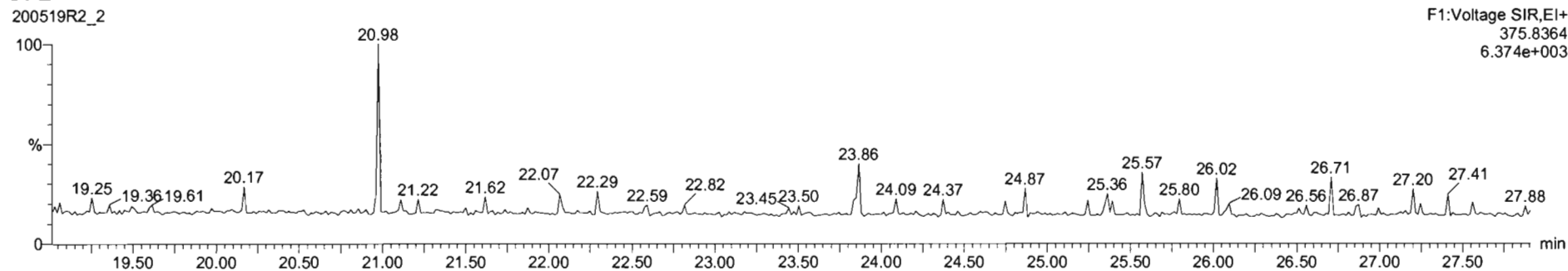
2,3,7,8-TCDF



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



DPE1



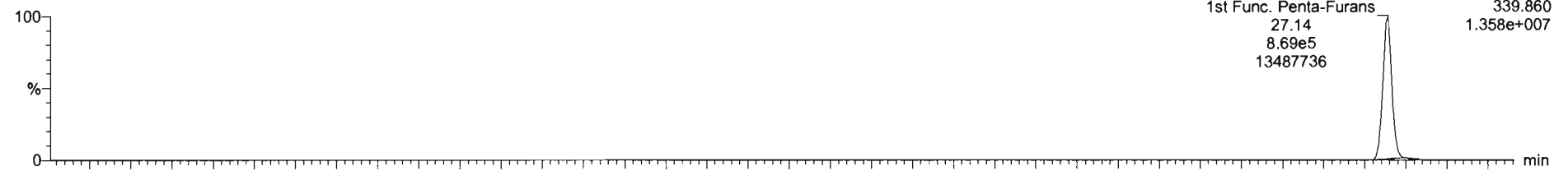
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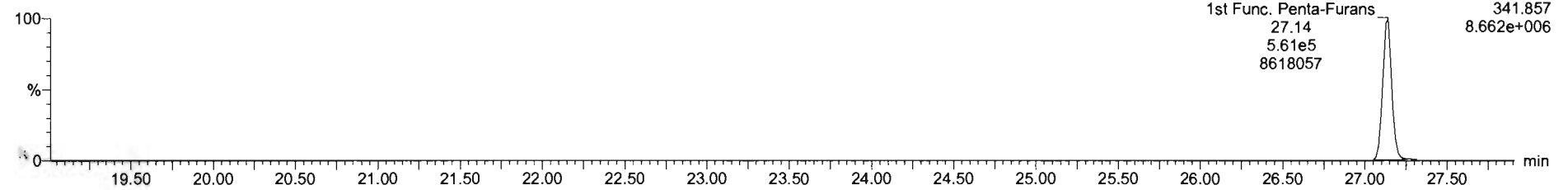
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1st Func. Penta-Furans

200519R2_2

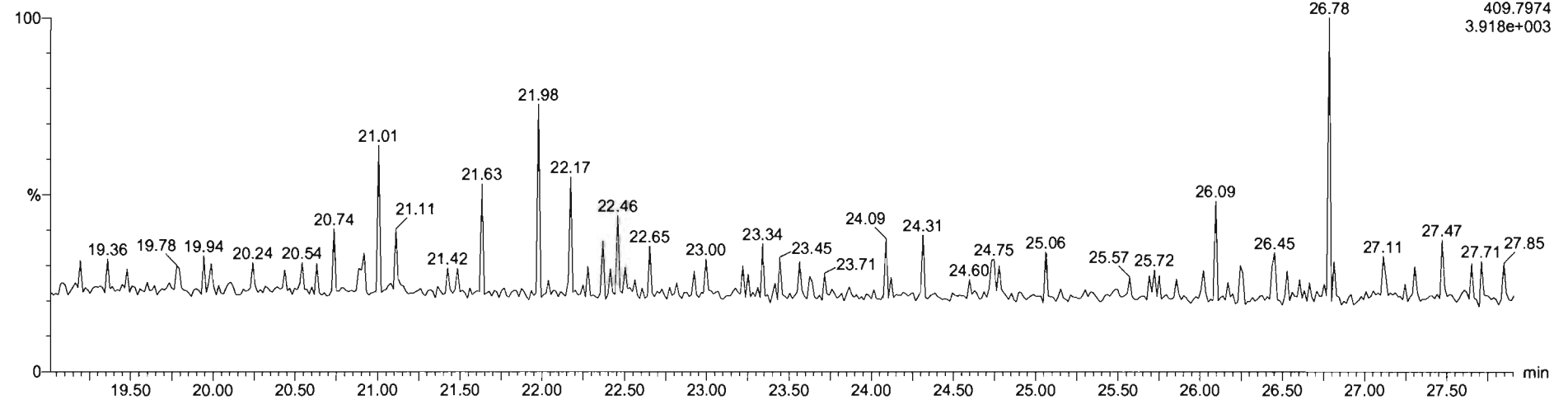


200519R2_2



DPE6

200519R2_2



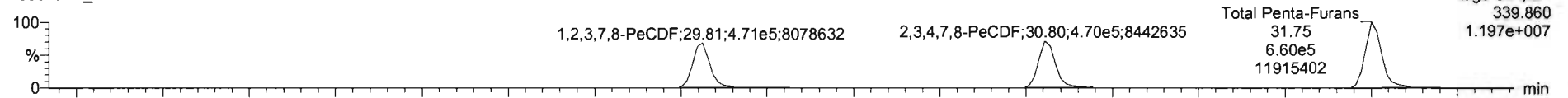
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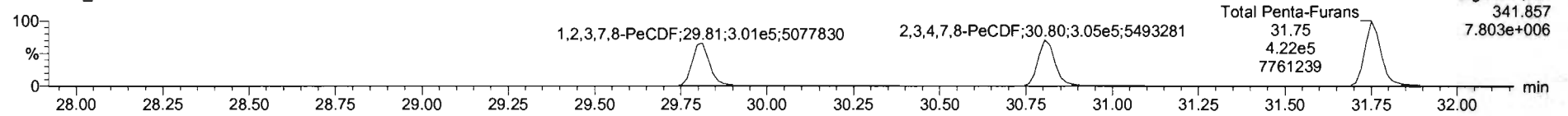
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1,2,3,7,8-PeCDF

200519R2_2

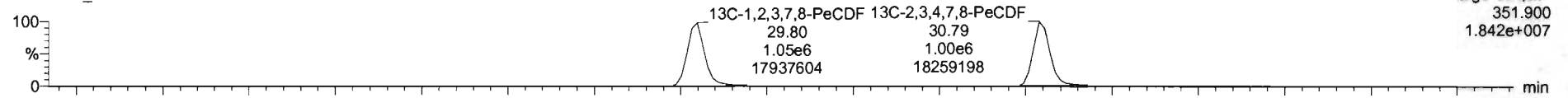


200519R2_2

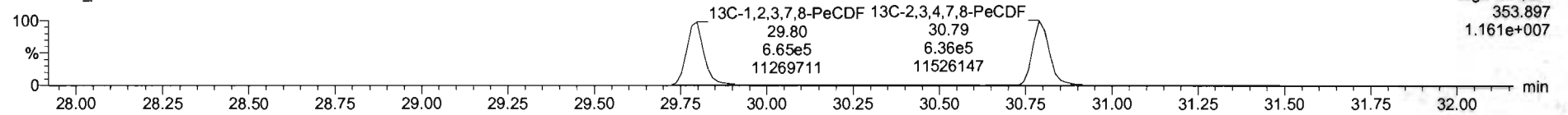


13C-1,2,3,7,8-PeCDF

200519R2_2

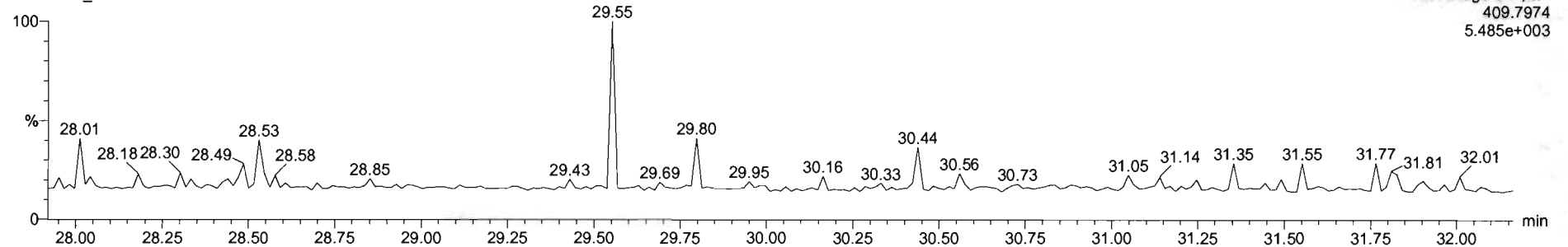


200519R2_2



DPE2

200519R2_2

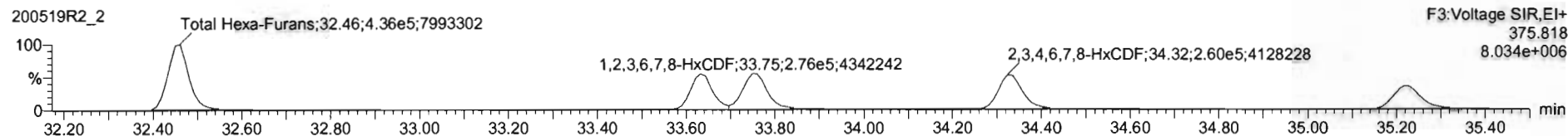
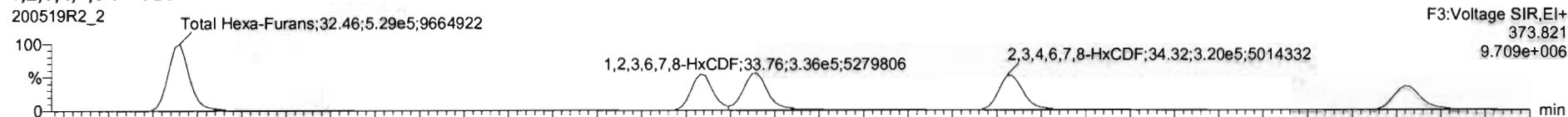


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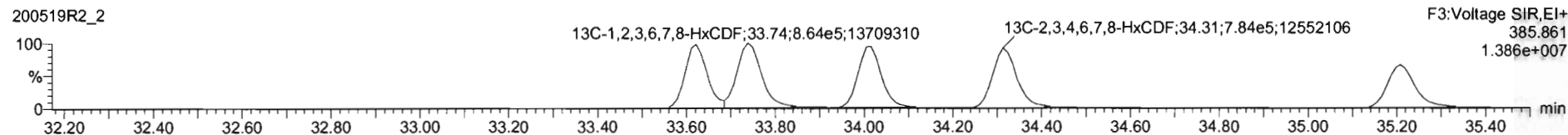
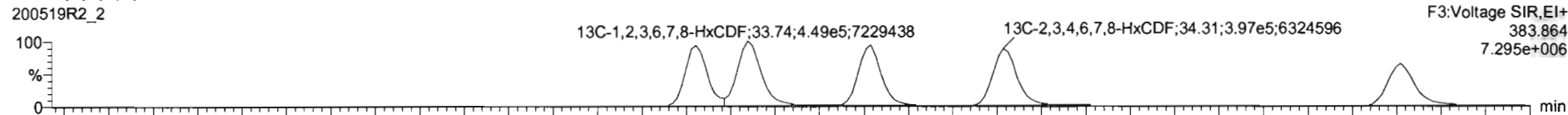
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Printed: Tuesday, May 19, 2020 15:12:50 Pacific Daylight Time

Name: 200519R2_2, Date: 19-May-2020, Time: 14:17:20, ID: ST200519R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

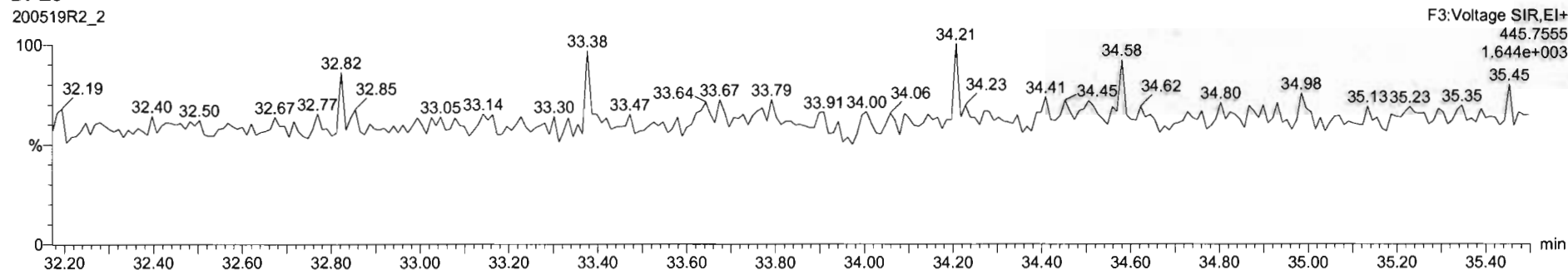
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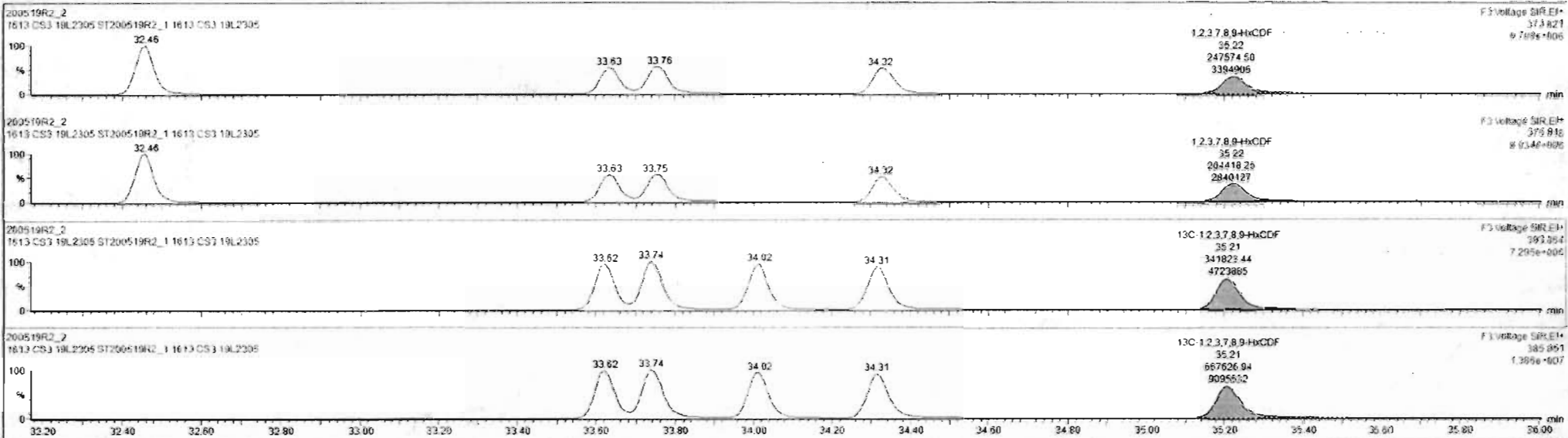
13C-1,2,3,4,7,8-HxCDF



DPE3



#	Name	Resp	IS Resp	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	1.34e5	1.55e6	0.77	0.76	NO	0.9475	26.05	26.03	NO	1.001	1.001	9.09	90.9	NO
2	1,2,3,7,8-PeCDD	5.21e5	1.22e6	0.63	0.61	NO	0.9425	31.13	31.13	NO	1.001	1.000	45.4	90.8	NO
3	1,2,3,4,7,8-HxCDD	4.54e5	8.80e5	1.24	1.23	NO	1.0641	34.49	34.49	NO	1.000	1.000	48.5	97.0	NO
4	1,2,3,6,7,8-HxCDD	4.50e5	1.10e6	1.24	1.25	NO	0.9145	34.56	34.60	NO	1.000	1.000	49.2	98.3	NO
5	1,2,3,7,8,9-HxCDD	4.38e5	1.00e6	1.24	1.24	NO	0.9149	34.87	34.88	NO	1.000	1.001	47.7	95.3	NO
6	1,2,3,4,6,7,8-HpCDD	3.84e5	8.26e5	1.04	1.03	NO	0.9979	38.37	38.37	NO	1.000	1.000	49.0	98.1	NO
7	OCDD	7.27e5	1.55e6	0.89	0.90	NO	0.9335	41.34	41.35	NO	1.000	1.000	101	101	NO
8	2,2,7,8-TCDF	1.56e5	2.00e6	0.77	0.74	NO	0.7871	25.10	25.11	NO	1.001	1.001	9.90	99.0	NO
9	1,2,3,7,8-PeCDF	7.72e5	1.72e6	1.55	1.57	NO	0.9162	29.82	29.81	NO	1.001	1.001	48.4	98.7	NO
10	2,3,4,7,8-PeCDF	7.75e5	1.64e6	1.55	1.54	NO	0.9664	30.82	30.80	NO	1.001	1.000	48.9	97.8	NO
11	1,2,3,4,7,8-HxCDF	5.42e5	1.16e6	1.24	1.20	NO	0.8782	33.62	33.63	NO	1.000	1.000	53.1	106	NO
12	1,2,3,6,7,8-HxCDF	6.12e5	1.31e6	1.24	1.22	NO	0.8740	33.75	33.76	NO	1.000	1.001	53.4	107	NO
13	2,3,4,6,7,8-HxCDF	5.80e5	1.18e6	1.24	1.23	NO	0.9217	34.35	34.32	NO	1.001	1.000	53.3	107	NO
14	1,2,3,7,8,9-HxCDF	4.52e5	1.01e6	1.24	1.21	NO	0.8642	35.21	35.22	NO	1.000	1.000	51.8	104	NO
15	1,2,3,4,6,7,8-HpCDF	4.38e5	9.25e5	1.04	1.01	NO	0.8712	36.98	36.96	NO	1.001	1.000	54.3	109	NO
16	1,2,3,4,7,8,9-HpCDF	3.60e5	6.57e5	1.04	1.01	NO	1.0115	38.96	38.97	NO	1.000	1.000	54.1	106	NO
17	OCDF	7.76e5	1.79e6	0.89	0.87	NO	0.8921	41.52	41.53	NO	1.000	1.000	108	108	NO
18	13C-2,3,7,8-TCDD	1.55e6	1.32e6	0.77	0.78	NO	1.1596	26.00	26.02	NO	1.026	1.022	101	101	NO
19	13C-1,2,3,7,8-PeCDD	1.22e6	1.32e6	0.63	0.63	NO	0.9472	31.09	31.11	NO	1.227	1.228	109	109	NO
20	13C-1,2,3,4,7,8-HxCDD	8.80e5	1.18e6	1.24	1.27	NO	0.7499	34.49	34.48	NO	1.014	1.014	99.5	99.5	NO
21	13C-1,2,3,6,7,8-HxCDD	1.10e6	1.18e6	1.24	1.27	NO	0.9630	34.81	34.89	NO	1.017	1.017	96.8	96.8	NO



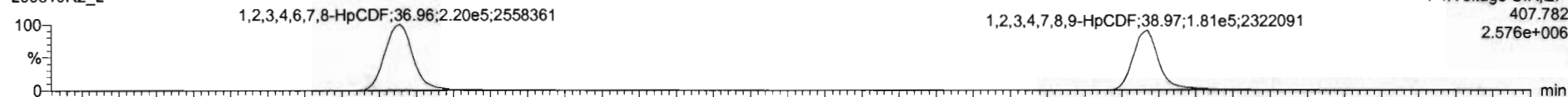
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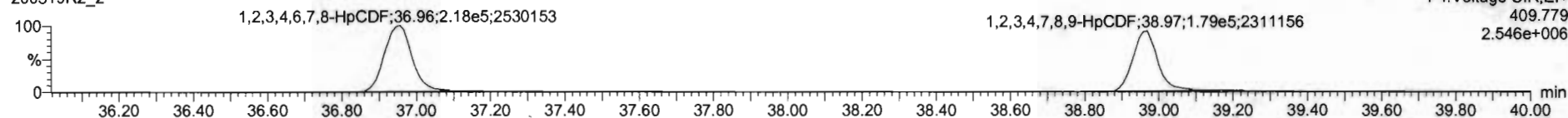
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1,2,3,4,6,7,8-HpCDF

200519R2_2

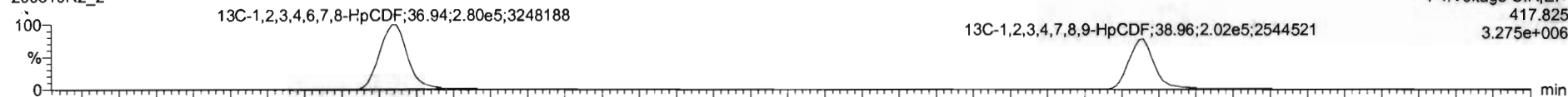


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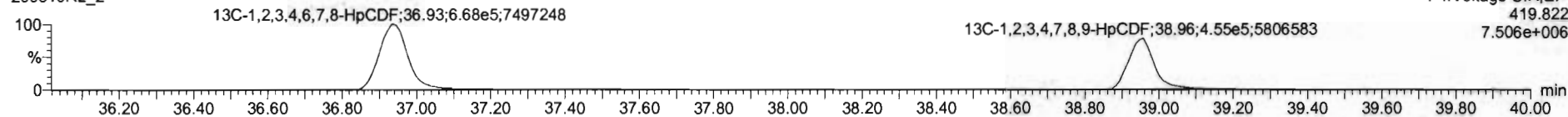


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200519R2_2

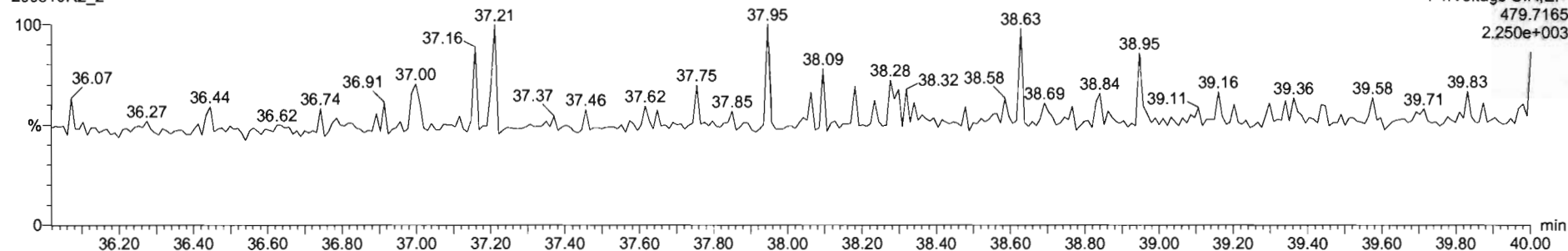


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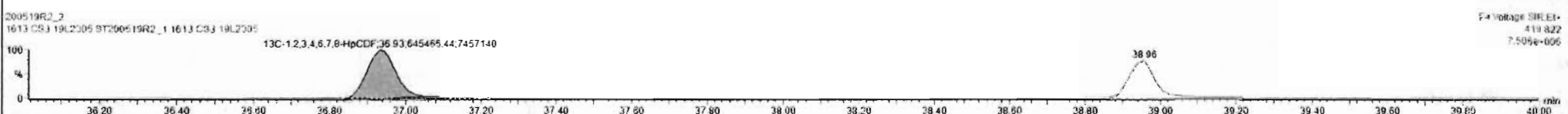
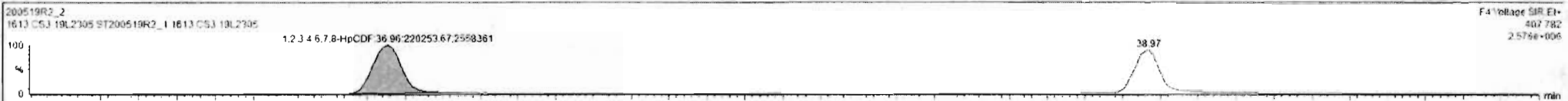


DPE4

200519R2_2



#	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	1.34e5	1.55e6	0.77	0.75	NO	0.9475	26.05	26.02	NO	1.001	1.001	9.09	90.9	NO
2	1,2,3,7,8-PeCDD	5.21e5	1.22e6	0.63	0.61	NO	0.9425	31.13	31.13	NO	1.001	1.000	45.4	90.2	NO
3	1,2,3,4,7,8-HxCDD	4.54e5	8.89e5	1.24	1.23	NO	1.9541	34.49	34.49	NO	1.000	1.000	49.5	97.0	NO
4	1,2,3,6,7,8-HxCDD	4.50e5	1.10e6	1.24	1.25	NO	0.9145	34.55	34.60	NO	1.000	1.000	49.2	96.3	NO
5	1,2,3,7,8,9-HxCDD	4.38e5	1.00e6	1.24	1.24	NO	0.9149	34.87	34.86	NO	1.000	1.001	47.7	95.3	NO
6	1,2,3,4,6,7,8-HpCDD	3.84e5	2.29e5	1.04	1.03	NO	0.8979	36.37	36.37	NO	1.000	1.000	59.0	98.1	NO
7	OCDD	7.27e5	1.55e6	0.85	0.80	NO	0.8935	41.34	41.35	NO	1.000	1.000	101	101	NO
8	1,2,3,7,8-TCDF	1.56e5	2.00e6	0.77	0.74	NO	0.7871	25.10	25.11	NO	1.001	1.001	9.90	96.8	NO
9	1,2,3,7,8-PeCDF	7.72e5	1.72e6	1.55	1.57	NO	0.9102	29.82	29.81	NO	1.001	1.001	49.4	98.7	NO
10	1,2,3,4,7,8-PeCDF	7.76e5	1.64e6	1.55	1.54	NO	0.9564	30.82	30.80	NO	1.001	1.000	48.9	97.8	NO
11	1,2,3,4,7,8-HxCDF	5.42e5	1.16e6	1.24	1.22	NO	0.8782	33.62	33.62	NO	1.000	1.000	53.1	105	NO
12	1,2,3,6,7,8-HxCDF	6.12e5	1.31e6	1.24	1.20	NO	0.8740	33.75	33.76	NO	1.000	1.001	53.4	107	NO
13	1,2,3,4,6,7,8-HxCDF	5.80e5	1.18e6	1.24	1.23	NO	0.9217	34.35	34.32	NO	1.001	1.000	53.3	107	NO
14	1,2,3,7,8,9-HxCDF	4.52e5	1.01e6	1.24	1.21	NO	0.8542	35.21	35.22	NO	1.000	1.000	51.8	104	NO
15	1,2,3,4,6,7,8-HpCDF	4.38e5	9.25e5	1.04	1.01	NO	0.8712	36.96	36.96	NO	1.001	1.000	54.3	109	NO
16	1,2,3,4,7,8,9-HpCDF	3.60e5	6.57e5	1.04	1.01	NO	1.0116	36.96	36.97	NO	1.000	1.000	54.1	105	NO
17	OCDF	7.76e5	1.79e6	0.89	0.87	NO	0.8921	41.52	41.53	NO	1.000	1.000	105	108	NO
18	13C-1,2,3,7,8-TCDD	1.55e6	1.32e6	0.77	0.78	NO	1.1556	26.00	26.02	NO	1.026	1.027	101	101	NO
19	13C-1,2,3,7,8-PeCDD	1.22e6	1.32e6	0.63	0.63	NO	0.9472	31.09	31.11	NO	1.227	1.226	109	109	NO
20	13C-1,2,3,4,7,8-HxCDD	8.50e5	1.18e6	1.24	1.27	NO	0.7499	34.49	34.48	NO	1.014	1.014	99.5	99.5	NO
21	13C-1,2,3,6,7,8-HxCDD	1.10e6	1.18e6	1.24	1.27	NO	0.9630	34.61	34.59	NO	1.017	1.017	96.8	96.6	NO



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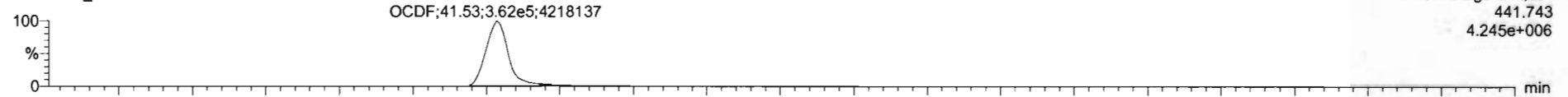
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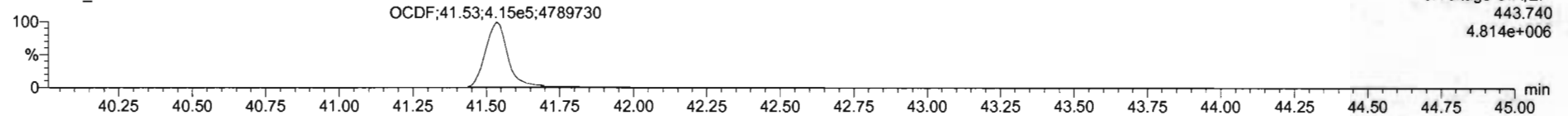
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OCDF

200519R2_2

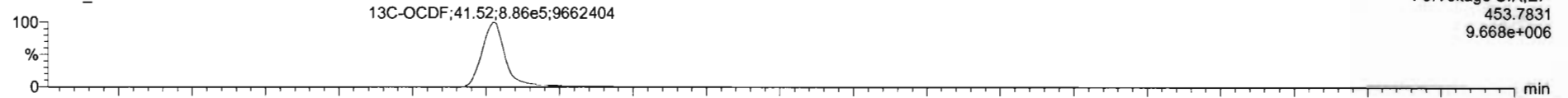


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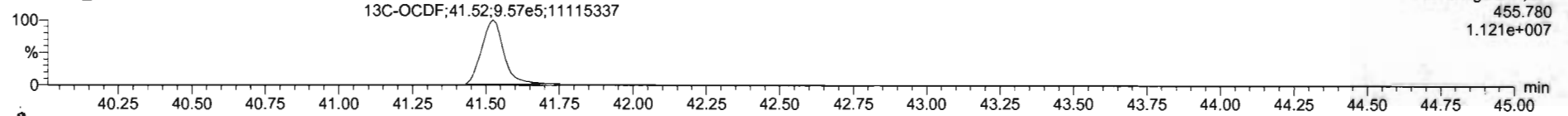


13C-OCDF

200519R2_2

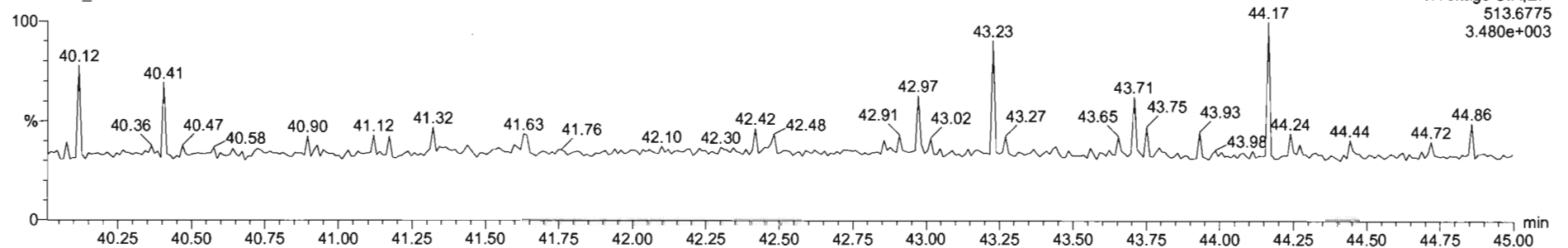


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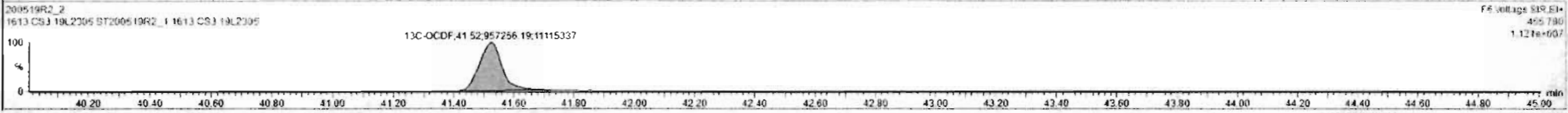
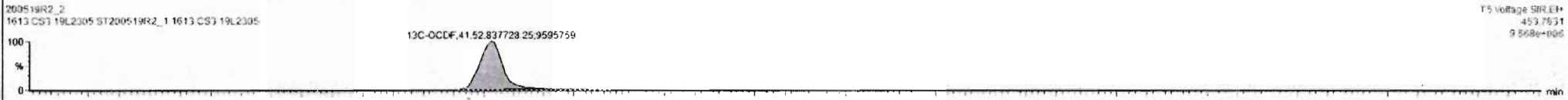
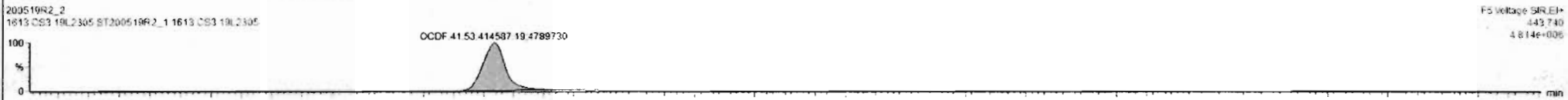


DPE5

200519R2_2



#	Name	Resp	IS Resp	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	1.34e5	1.55e6	0.77	0.78	NO	0.9475	26.05	26.03	NO	1.001	1.001	9.09	90.9	NO
2	1,2,3,7,8-PeCDD	5.21e5	1.22e6	0.63	0.61	NO	0.9425	31.13	31.13	NO	1.001	1.000	45.4	90.2	NO
3	1,2,3,4,7,8-HxCDD	4.54e5	8.60e5	1.24	1.23	NO	1.0641	34.49	34.49	NO	1.000	1.000	48.5	97.0	NO
4	1,2,3,6,7,8-HxCDD	4.52e5	1.10e6	1.24	1.25	NO	0.9145	34.59	34.60	NO	1.000	1.000	49.2	96.3	NO
5	1,2,3,7,8,9-HxCDD	4.26e5	1.00e6	1.24	1.24	NO	0.9145	34.87	34.88	NO	1.000	1.001	47.7	95.3	NO
6	1,2,3,4,6,7,8-HpCDD	3.64e5	8.28e5	1.04	1.03	NO	0.8979	38.37	38.37	NO	1.000	1.000	49.0	98.1	NO
7	OCDD	7.27e5	1.55e6	0.89	0.90	NO	0.9325	41.34	41.35	NO	1.000	1.000	101	101	NO
8	2,3,7,8-TCDF	1.56e5	2.00e6	0.77	0.74	NO	0.7871	25.10	25.11	NO	1.001	1.001	9.90	99.0	NO
9	1,2,3,7,8-PeCDF	7.72e5	1.72e6	1.55	1.57	NO	0.9182	29.82	29.81	NO	1.001	1.001	49.4	98.7	NO
10	2,3,4,7,8-PeCDF	7.75e5	1.64e6	1.55	1.54	NO	0.9664	30.82	30.80	NO	1.001	1.000	48.5	97.8	NO
11	1,2,3,4,7,8-HxCDF	5.42e5	1.16e6	1.24	1.20	NO	0.8782	33.62	33.63	NO	1.000	1.000	53.1	106	NO
12	1,2,3,6,7,8-HxCDF	6.12e5	1.31e6	1.24	1.22	NO	0.8740	33.75	33.76	NO	1.000	1.001	53.4	107	NO
13	2,3,4,6,7,8-HxCDF	5.60e5	1.18e6	1.24	1.23	NO	0.9217	34.35	34.32	NO	1.001	1.000	53.3	107	NO
14	1,2,3,7,8,9-HxCDF	4.52e5	1.01e6	1.24	1.21	NO	0.8642	35.21	35.22	NO	1.000	1.000	51.8	104	NO
15	1,2,3,4,6,7,8-HpCDF	4.38e5	9.25e5	1.04	1.01	NO	0.8712	36.98	36.96	NO	1.001	1.000	54.3	102	NO
16	1,2,3,4,7,8,9-HpCDF	3.60e5	6.57e5	1.04	1.01	NO	1.0115	38.98	38.97	NO	1.000	1.000	54.1	105	NO
17	OCDF	7.76e5	1.79e6	0.89	0.87	NO	0.8821	41.52	41.53	NO	1.000	1.000	108	108	NO
18	13C-2,3,7,8-TCDD	1.55e6	1.32e6	0.77	0.78	NO	1.1595	26.00	26.02	NO	1.026	1.027	101	101	NO
19	13C-1,2,3,7,8-PeCDD	1.22e6	1.32e6	0.63	0.63	NO	0.8472	31.09	31.11	NO	1.227	1.228	109	109	NO
20	13C-1,2,3,4,7,8-HxCDD	8.60e5	1.18e6	1.24	1.27	NO	0.7499	34.49	34.48	NO	1.014	1.014	99.5	99.5	NO
21	13C-1,2,3,6,7,8-HxCDD	1.10e6	1.18e6	1.24	1.27	NO	0.9630	34.81	34.59	NO	1.017	1.017	96.6	96.6	NO



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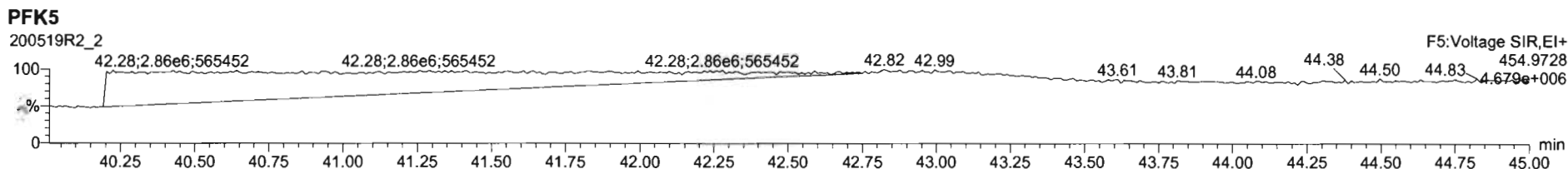
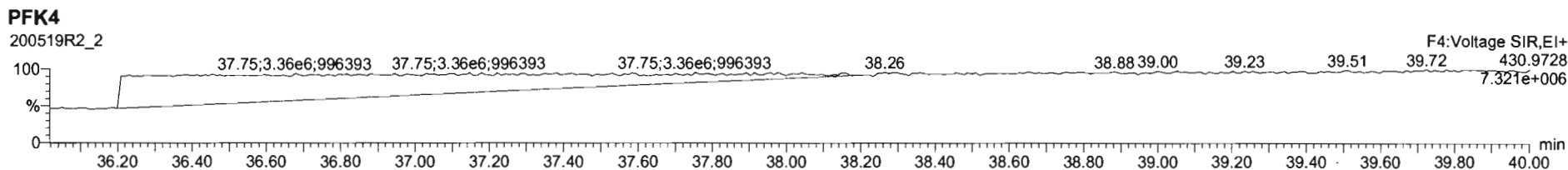
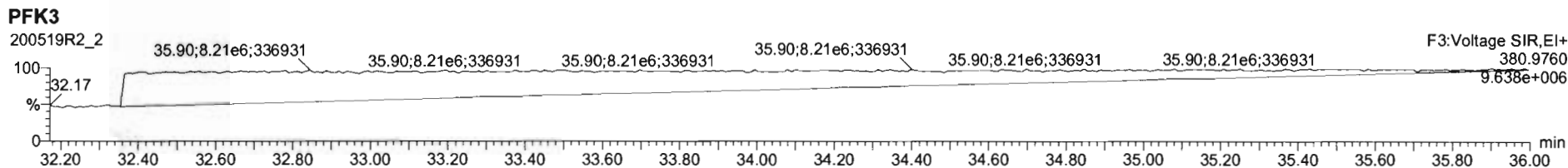
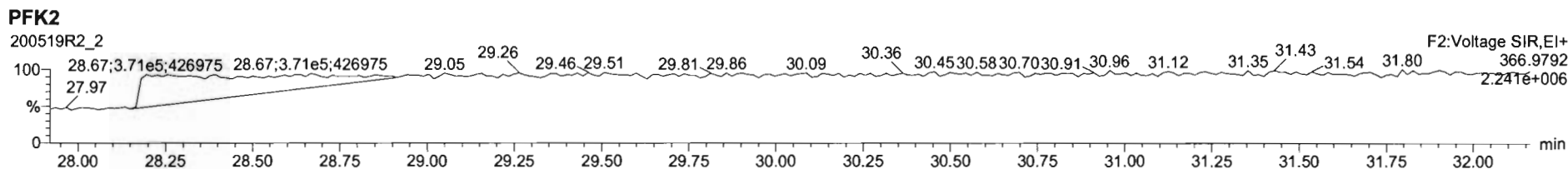
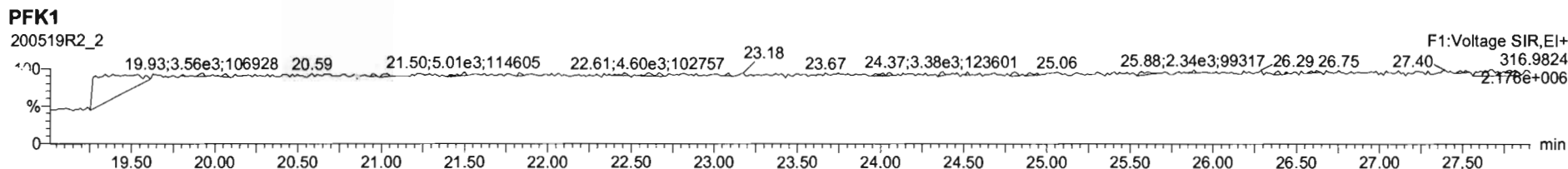
200519R2_2 CAP NUM

3:11 PM

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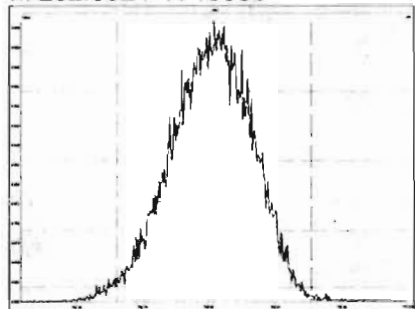
Experiment Calibration Report

MassLynx 4.1 SCN815

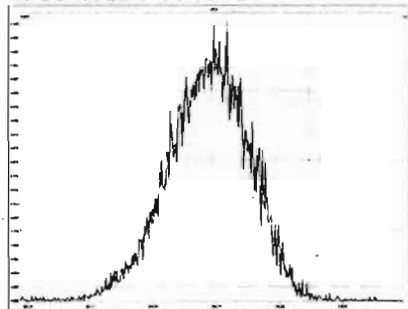
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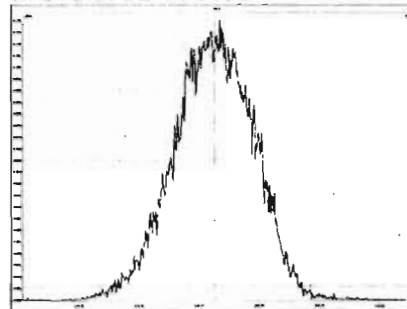
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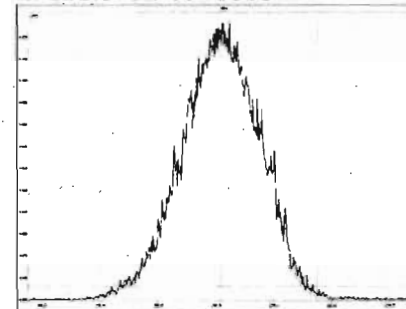
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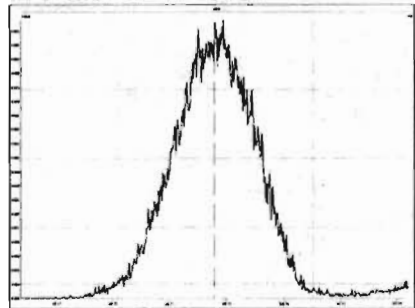
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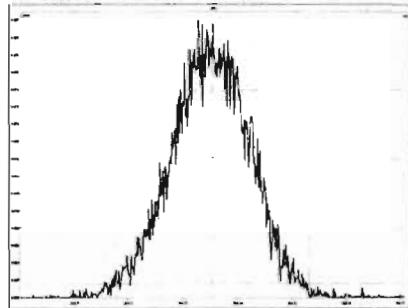
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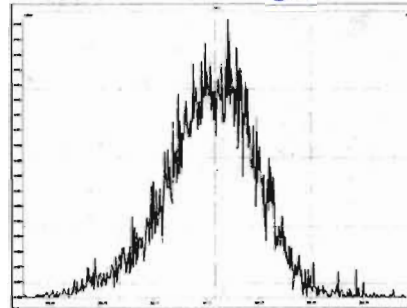
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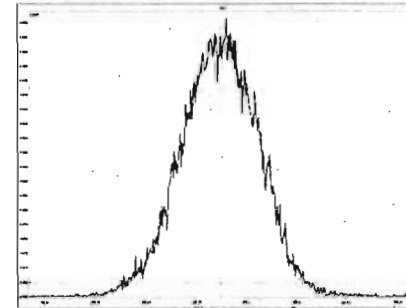
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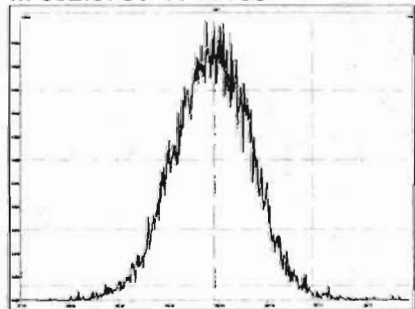
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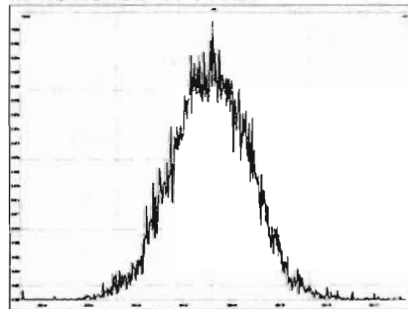
M 380.9760 R 10916



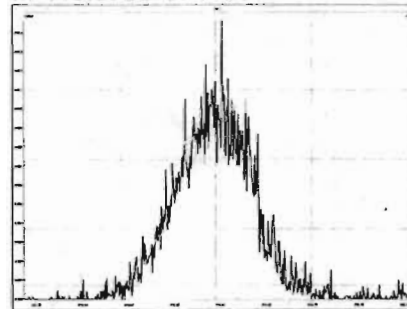
M 392.9760 R 11158



M 404.9760 R 11737



M 416.9760 R 11907



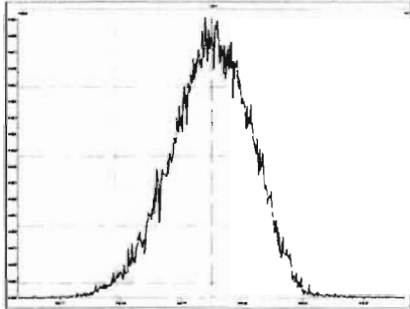
Experiment Calibration Report

MassLynx 4.1 SCN815

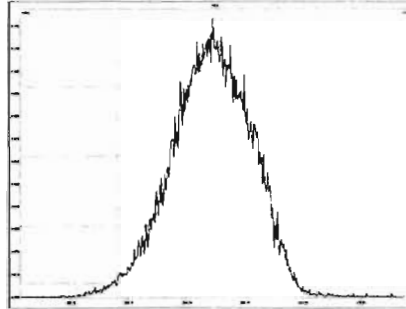
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, May 20, 2020 08:14:50 Pacific Daylight Time

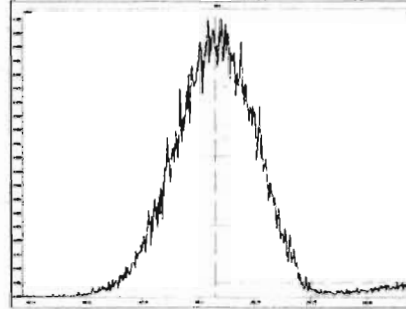
M 318.9792 R 10456



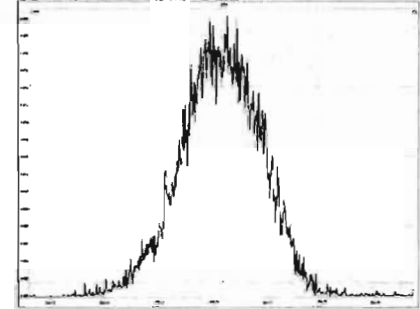
M 330.9792 R 10682



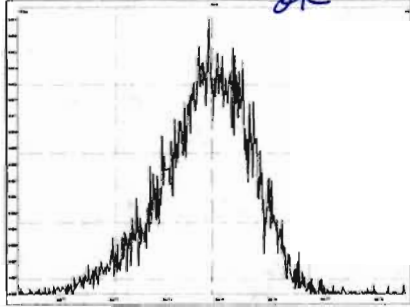
M 342.9792 R 10590



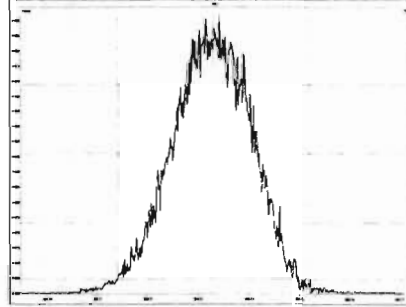
M 354.9792 R 10729



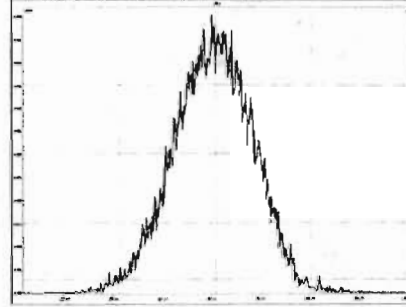
M 366.9792 R 9883 *ok*



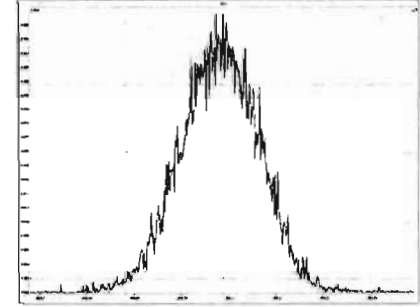
M 380.9760 R 10638



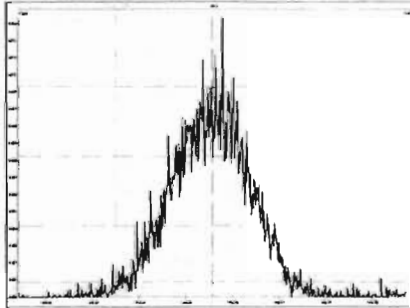
M 392.9760 R 11209



M 404.9760 R 10918



M 416.9760 R 12194



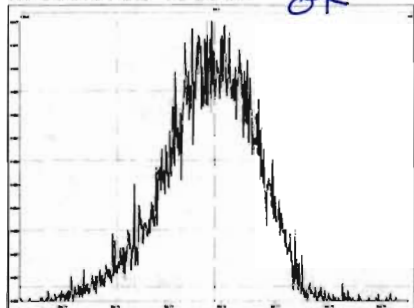
Experiment Calibration Report

MassLynx 4.1 SCN815

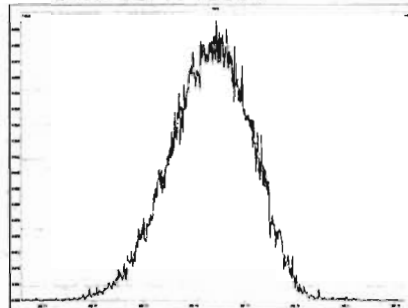
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, May 20, 2020 08:17:08 Pacific Daylight Time

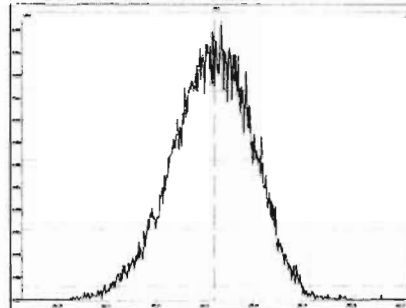
M 366.9792 R 9962 *OK*



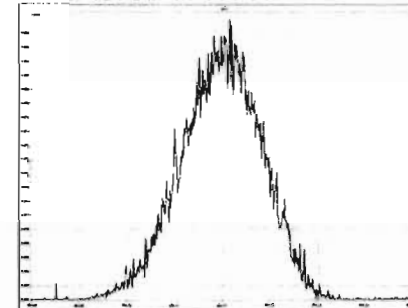
M 380.9760 R 10594



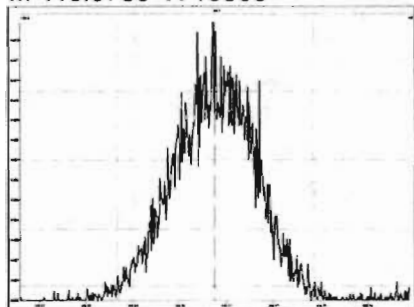
M 392.9760 R 10287



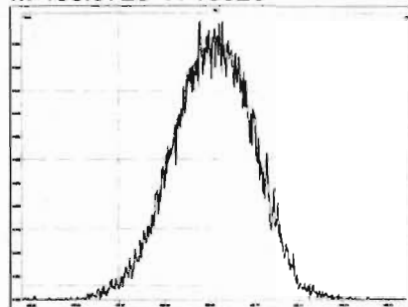
M 404.9760 R 10819



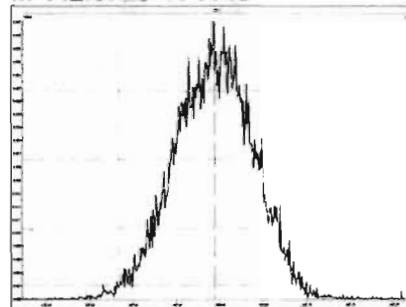
M 416.9760 R 10638



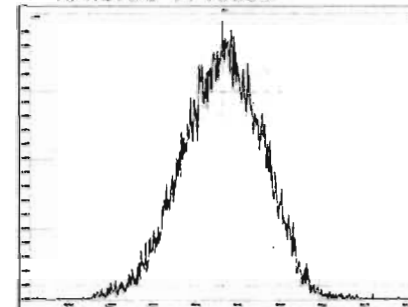
M 430.9728 R 10820



M 442.9728 R 11464



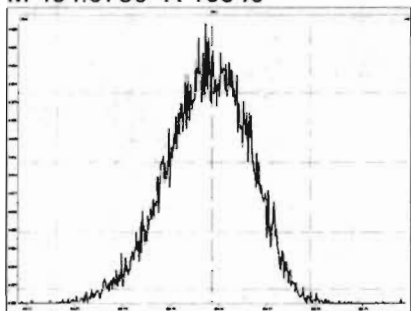
M 454.9728 R 10592



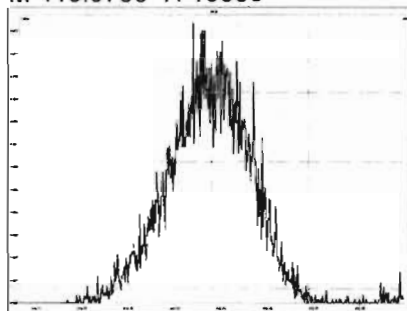
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Wednesday, May 20, 2020 08:18:17 Pacific Daylight Time

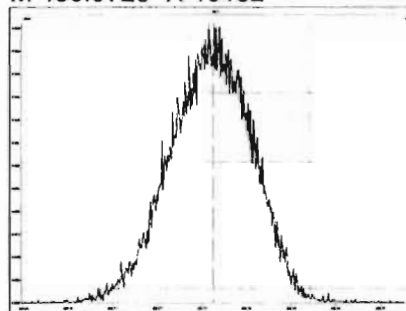
M 404.9760 R 10546



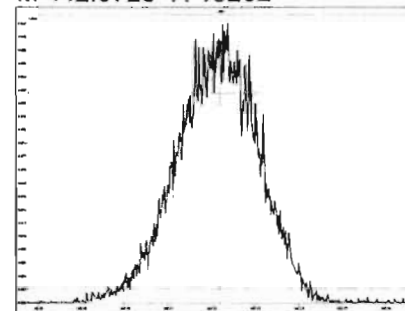
M 416.9760 R 10593



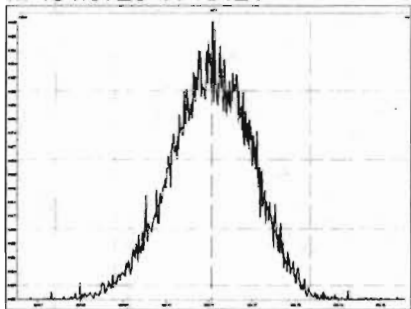
M 430.9728 R 10162



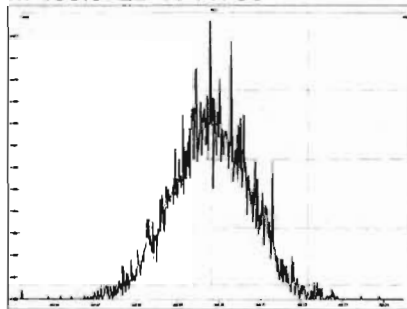
M 442.9728 R 10202



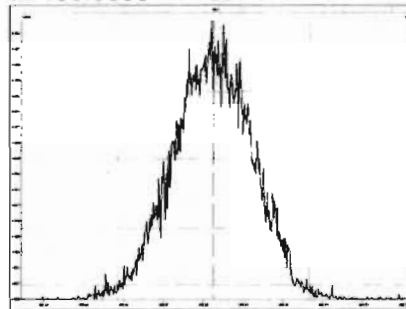
M 454.9728 R 10121



M 466.9728 R 11735



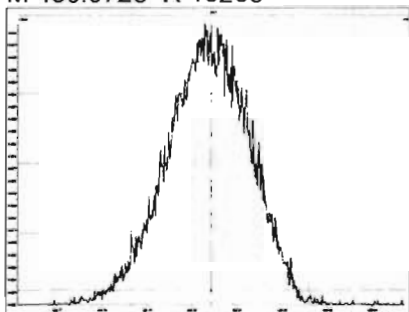
M 480.9696 R 10374



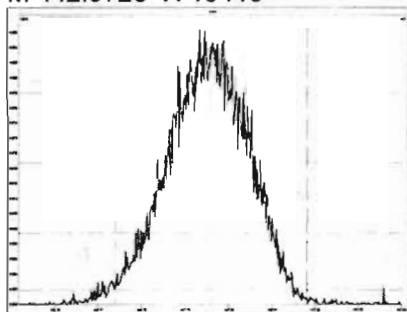
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Wednesday, May 20, 2020 08:18:56 Pacific Daylight Time

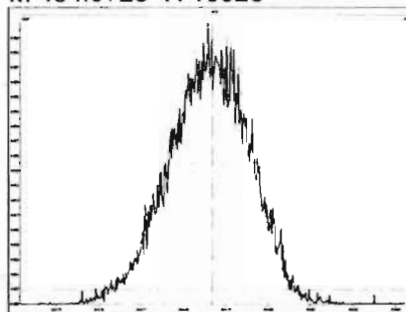
M 430.9728 R 10205



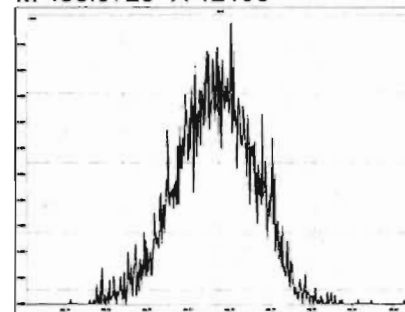
M 442.9728 R 10416



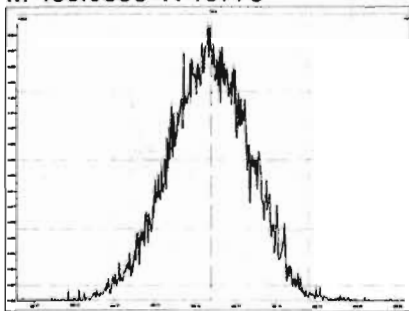
M 454.9728 R 10328



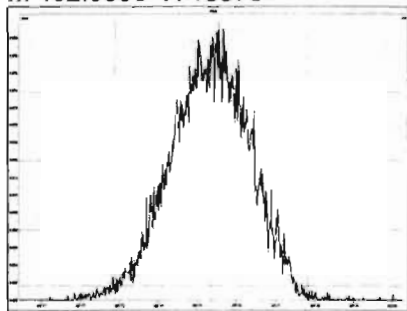
M 466.9728 R 12195



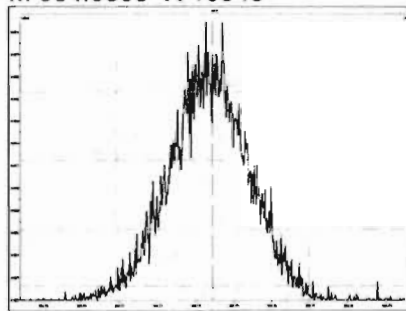
M 480.9696 R 10778



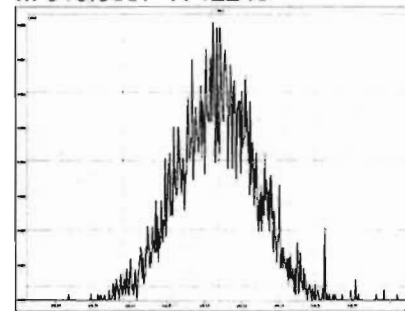
M 492.9696 R 10870



M 504.9696 R 10548



M 516.9697 R 12249



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200521R2-1

Reviewed By: CT 05/22/2020
Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct ICAL referenced?	<u>GPB</u>	<u> </u>
<u>Run Log:</u>		
- Correct Instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/> N
- Samples within 12 hour clock?	<input checked="" type="checkbox"/>	N
- Bottle position verified?	<u>GPB</u>	<u> </u>

Mass resolution \geq
 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\200521R2\200521R2-2.qld

Last Altered: Thursday, May 21, 2020 3:17:28 PM Pacific Daylight Time

Printed: Thursday, May 21, 2020 3:17:41 PM Pacific Daylight Time

GRB 05/21/2020

C1 05/22/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02

Calibration: U:\VG12.PRO\CurveDB\cb5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200521R2_2, Date: 21-May-2020, Time: 13:50:05, ID: ST200521R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	# 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	9.52e4	1.10e6	0.76	NO	0.947	26.04	26.02	NO	1.001	1.001	9.1596	91.6	NO
2	2 1,2,3,7,8-PeCDD	3.33e5	7.89e5	0.62	NO	0.942	31.12	31.11	NO	1.001	1.001	44.788	89.6	NO
3	3 1,2,3,4,7,8-HxCDD	2.66e5	5.37e5	1.23	NO	1.06	34.48	34.49	NO	1.000	1.001	46.445	92.9	NO
4	4 1,2,3,6,7,8-HxCDD	2.99e5	6.78e5	1.24	NO	0.915	34.58	34.59	NO	1.000	1.000	48.225	96.5	NO
5	5 1,2,3,7,8,9-HxCDD	2.57e5	6.01e5	1.21	NO	0.915	34.86	34.87	NO	1.000	1.001	46.690	93.4	NO
6	6 1,2,3,4,6,7,8-HpCDD	2.03e5	4.65e5	1.02	NO	0.898	38.37	38.37	NO	1.000	1.000	48.688	97.4	NO
7	7 OCDD	4.12e5	8.62e5	0.87	NO	0.933	41.34	41.36	NO	1.000	1.001	102.37	102	NO
8	8 2,3,7,8-TCDF	1.03e5	1.40e6	0.71	NO	0.787	25.09	25.09	NO	1.001	1.001	9.2916	92.9	NO
9	9 1,2,3,7,8-PeCDF	4.88e5	1.11e6	1.56	NO	0.910	29.80	29.80	NO	1.001	1.001	48.116	96.2	NO
10	10 2,3,4,7,8-PeCDF	4.91e5	1.09e6	1.56	NO	0.966	30.82	30.80	NO	1.001	1.000	46.461	92.9	NO
11	11 1,2,3,4,7,8-HxCDF	3.11e5	6.98e5	1.19	NO	0.878	33.61	33.62	NO	1.000	1.000	50.834	102	NO
12	12 1,2,3,6,7,8-HxCDF	3.62e5	7.89e5	1.20	NO	0.874	33.75	33.75	NO	1.000	1.000	52.423	105	NO
13	13 2,3,4,6,7,8-HxCDF	3.35e5	7.07e5	1.21	NO	0.922	34.35	34.32	NO	1.001	1.000	51.382	103	NO
14	14 1,2,3,7,8,9-HxCDF	2.55e5	5.75e5	1.23	NO	0.864	35.20	35.22	NO	1.000	1.001	51.391	103	NO
15	15 1,2,3,4,6,7,8-HpCDF	2.44e5	5.44e5	1.03	NO	0.871	36.97	36.94	NO	1.001	1.000	51.509	103	NO
16	16 1,2,3,4,7,8,9-HpCDF	1.87e5	3.42e5	1.02	NO	1.01	38.95	38.96	NO	1.000	1.000	53.856	108	NO
17	17 OCDF	4.00e5	9.86e5	0.86	NO	0.802	41.53	41.55	NO	1.000	1.000	101.28	101	NO
18	18 13C-2,3,7,8-TCDD	1.10e6	9.37e5	0.78	NO	1.16	25.98	26.00	NO	1.026	1.027	101.03	101	NO
19	19 13C-1,2,3,7,8-PeCDD	7.89e5	9.37e5	0.63	NO	0.847	31.07	31.09	NO	1.227	1.228	99.454	99.5	NO
20	20 13C-1,2,3,4,7,8-HxCDD	5.37e5	6.96e5	1.27	NO	0.750	34.48	34.47	NO	1.014	1.014	102.98	103	NO
21	21 13C-1,2,3,6,7,8-HxCDD	6.78e5	6.96e5	1.27	NO	0.963	34.60	34.58	NO	1.017	1.017	101.10	101	NO
22	22 13C-1,2,3,7,8,9-HxCDD	6.01e5	6.96e5	1.25	NO	0.838	34.87	34.85	NO	1.025	1.025	103.15	103	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.65e5	6.96e5	1.00	NO	0.641	38.35	38.36	NO	1.128	1.128	104.19	104	NO
24	24 13C-OCDD	8.62e5	6.96e5	0.89	NO	0.586	41.35	41.34	NO	1.216	1.216	211.15	106	NO
25	25 13C-2,3,7,8-TCDF	1.40e6	1.30e6	0.77	NO	1.03	25.05	25.06	NO	0.989	0.990	104.19	104	NO
26	26 13C-1,2,3,7,8-PeCDF	1.11e6	1.30e6	1.58	NO	0.845	29.76	29.78	NO	1.176	1.176	101.30	101	NO
27	27 13C-2,3,4,7,8-PeCDF	1.09e6	1.30e6	1.55	NO	0.814	30.75	30.79	NO	1.215	1.216	103.20	103	NO
28	28 13C-1,2,3,4,7,8-HxCDF	6.98e5	6.96e5	0.50	NO	1.00	33.62	33.61	NO	0.989	0.988	99.740	99.7	NO
29	29 13C-1,2,3,6,7,8-HxCDF	7.89e5	6.96e5	0.52	NO	1.14	33.75	33.74	NO	0.992	0.992	99.792	99.8	NO
30	30 13C-2,3,4,6,7,8-HxCDF	7.07e5	6.96e5	0.51	NO	1.02	34.31	34.31	NO	1.009	1.009	99.350	99.4	NO
31	31 13C-1,2,3,7,8,9-HxCDF	5.75e5	6.96e5	0.51	NO	0.845	35.21	35.20	NO	1.035	1.035	97.726	97.7	NO

Dataset: U:\VG12.PRO\Results\200521R2\200521R2-2.qld

Last Altered: Thursday, May 21, 2020 3:17:28 PM Pacific Daylight Time
 Printed: Thursday, May 21, 2020 3:17:41 PM Pacific Daylight Time

File ID: ST200521R2_2, Name: 200521R2_2, Date: 21 May 2020, Time: 13:50:05, ID: ST200521R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
32	32 13C-1,2,3,4,6,7,8-HpCDF	5.44e5	6.96e5	0.42	NO	0.771	36.94	36.93	NO	1.086	1.086	101.40	101	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	3.42e5	6.96e5	0.42	NO	0.482	38.95	38.95	NO	1.145	1.145	102.03	102	NO
34	34 13C-OCDF	9.86e5	6.96e5	0.88	NO	0.669	41.52	41.53	NO	1.221	1.221	211.88	106	NO
35	35 37Cl-2,3,7,8-TCDD	9.96e4	9.37e5			1.10	26.01	26.02	NO	1.028	1.028	9.6775	96.8	NO
36	36 13C-1,2,3,4-TCDD	9.37e5	9.37e5	0.79	NO	1.00	25.35	25.32	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	1.30e6	1.30e6	0.77	NO	1.00	23.56	23.53	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	6.96e5	6.96e5	0.52	NO	1.00	34.00	34.01	NO	1.000	1.000	100.00	100	YES <i>et</i>

Dataset: Untitled

Last Altered: Friday, May 22, 2020 7:24:50 AM Pacific Daylight Time
Printed: Friday, May 22, 2020 7:29:09 AM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Compound name: OCDD

	Name	ID	Acq.Date	Acq.Time
1	200521R2_1	SOLVENT BLANK	21-May-20	13:03:16
2	200521R2_2	ST200521R2_1 1613 CS3 19L2305	21-May-20	13:50:05
3	200521R2_3	SOLVENT BLANK	21-May-20	14:37:15
4	200521R2_4	2000957-06 PDI-147SC-A-08-09-200425 16.24	21-May-20	15:24:03
5	200521R2_5	2000957-07 PDI-147SC-A-09-10-200425 15.75	21-May-20	16:10:17
6	200521R2_6	2000957-08 PDI-147SC-A-10-11-200425 16.14	21-May-20	16:56:31
7	200521R2_7	2000957-09 PDI-147SC-A-11-12-200425 16.41	21-May-20	17:42:43
8	200521R2_8	2000957-10 PDI-147SC-A-12-13-200425 16.97	21-May-20	18:28:54
9	200521R2_9	B0E0022-DUP1 Duplicate 16.97	21-May-20	19:15:06
10	200521R2_10	2000957-11 PDI-147SC-A-13-14-200425 17.29	21-May-20	20:01:18
11	200521R2_11	2000957-12 PDI-147SC-A-14-14.5-200425 15.7	21-May-20	20:47:29
12	200521R2_12	2000957-13 PDI-149SC-A-00-01-200425 12.4	21-May-20	21:33:41
13	200521R2_13	2000957-14 PDI-149SC-A-04-05-200425 12.1	21-May-20	22:19:53
14	200521R2_14	2000912-05RE1@2X PC-6S 12.83	21-May-20	23:06:04
15	200521R2_15	2000912-06RE1@2X PC-5S 13.07	21-May-20	23:52:16
16	200521R2_16	2000912-13RE1@5X PC-1D 12.28	22-May-20	00:38:27
17	200521R2_17	2000912-10RE1@15X PC-2S 14.56	22-May-20	01:24:37

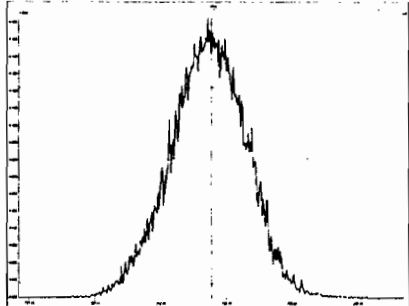
Experiment Calibration Report

MassLynx 4.1 SCN815

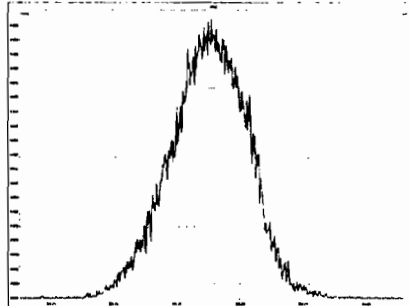
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, May 21, 2020 13:00:22 Pacific Daylight Time

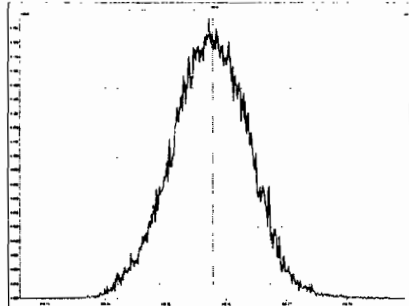
M 292.9824 R 10963



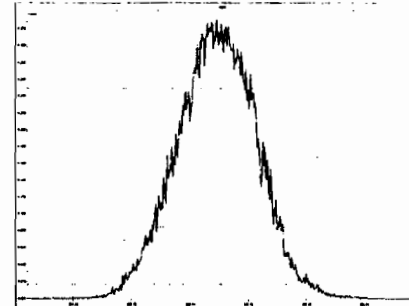
M 304.9824 R 10966



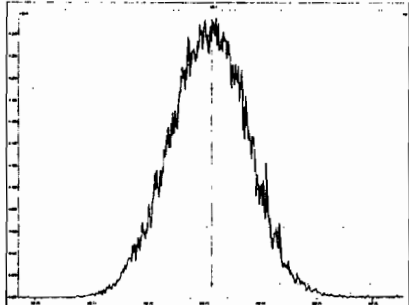
M 318.9792 R 10504



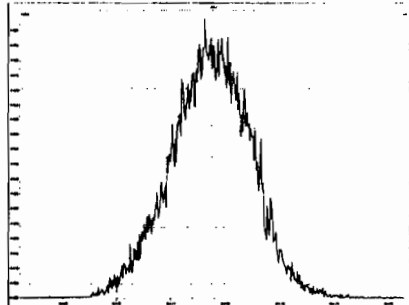
M 330.9792 R 10248



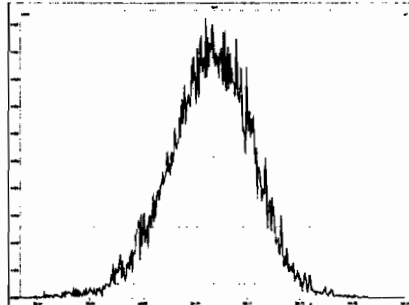
M 342.9792 R 10122



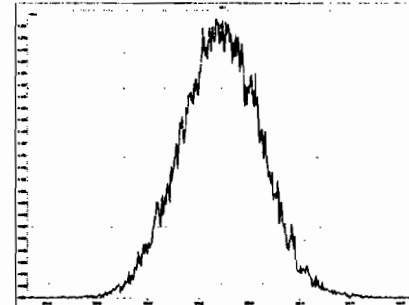
M 354.9792 R 10507



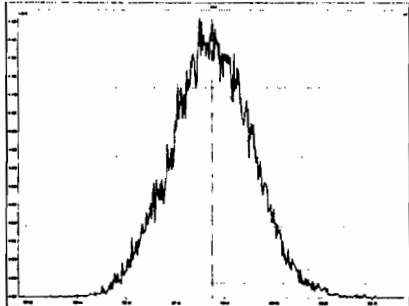
M 366.9792 R 10163



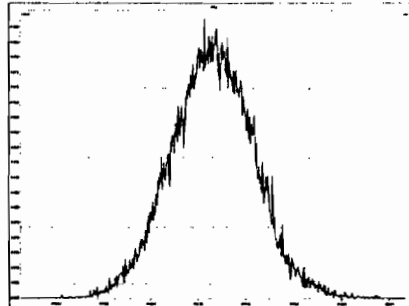
M 380.9760 R 10287



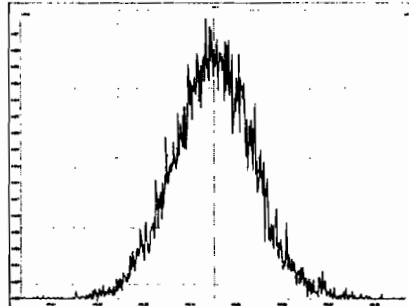
M 392.9760 R 10082



M 404.9760 R 10416



M 416.9760 R 10414

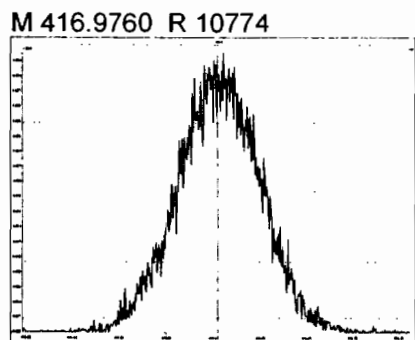
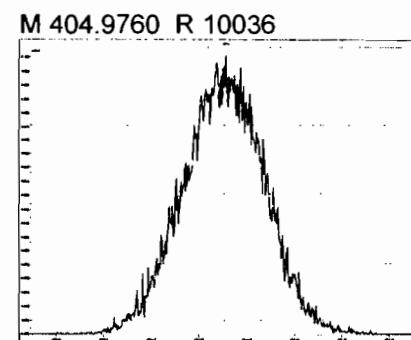
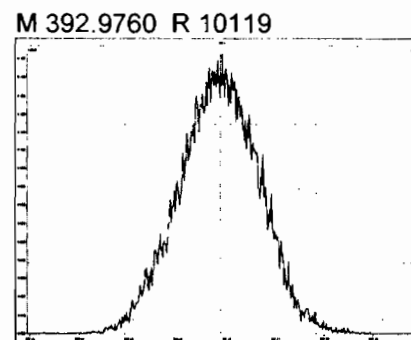
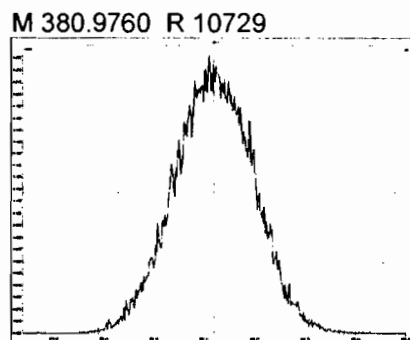
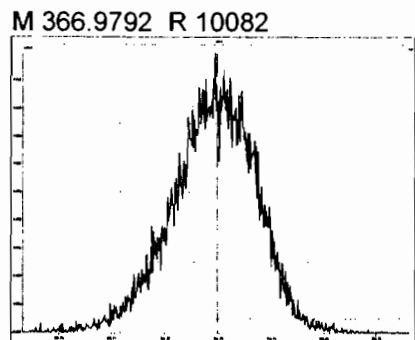
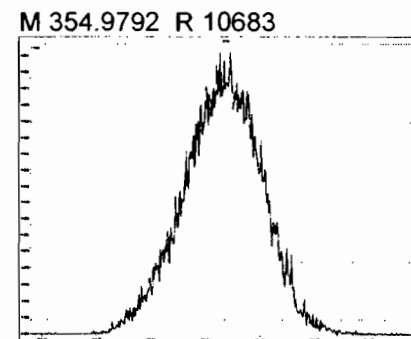
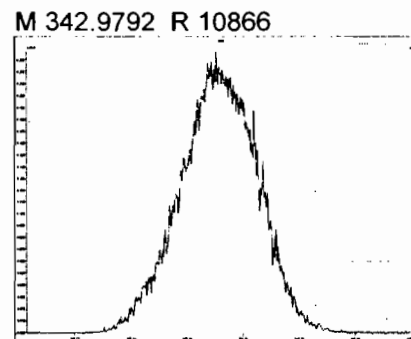
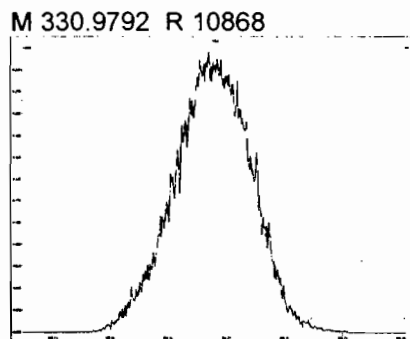
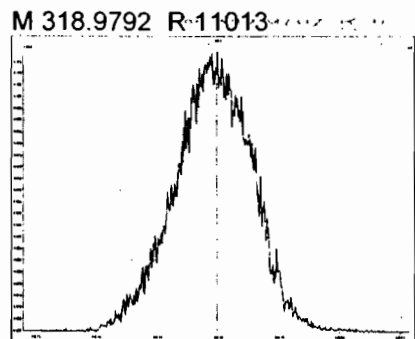


Experiment Calibration Report

MassLynx 4.1 SCN815

File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, May 21, 2020 13:01:17 Pacific Daylight Time



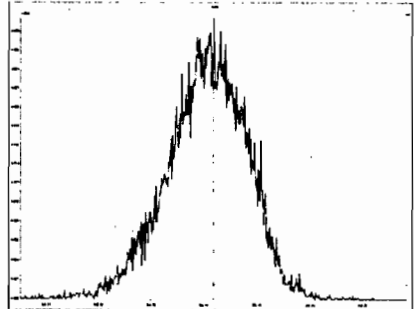
Experiment Calibration Report

MassLynx 4.1 SCN815

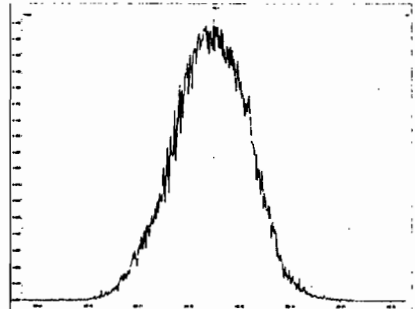
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Thursday, May 21, 2020 13:01:55 Pacific Daylight Time

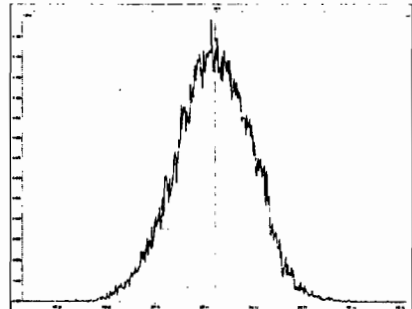
M 366.9792 R 10824



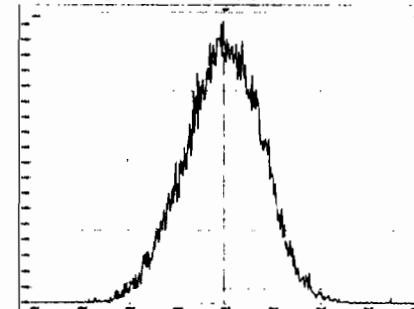
M 380.9760 R 10870



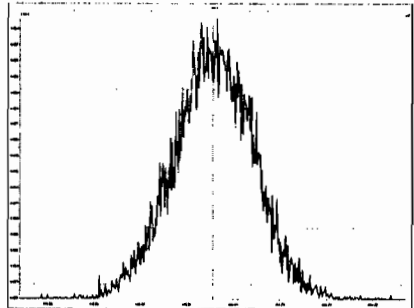
M 392.9760 R 10682



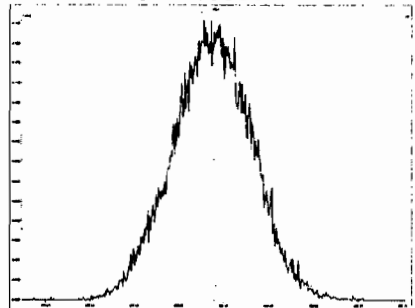
M 404.9760 R 10594



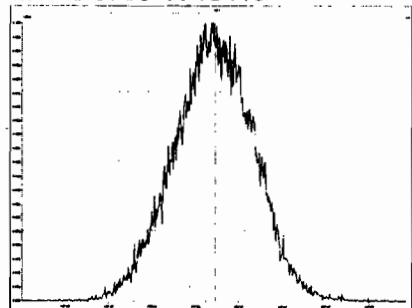
M 416.9760 R 10682



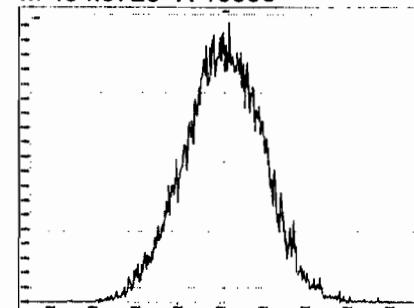
M 430.9728 R 10639



M 442.9728 R 10416



M 454.9728 R 10550



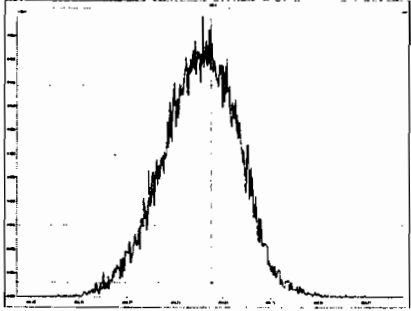
Experiment Calibration Report

MassLynx 4.1 SCN815

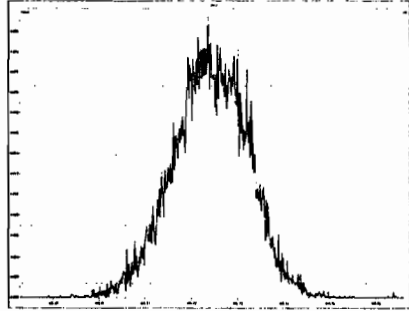
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Thursday, May 21, 2020 13:02:25 Pacific Daylight Time

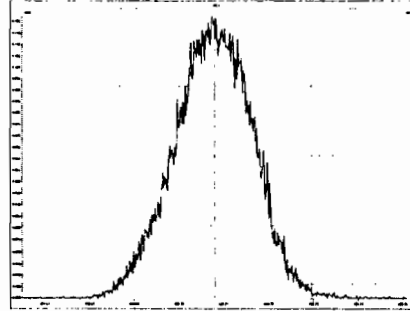
M 404.9760 R 11456



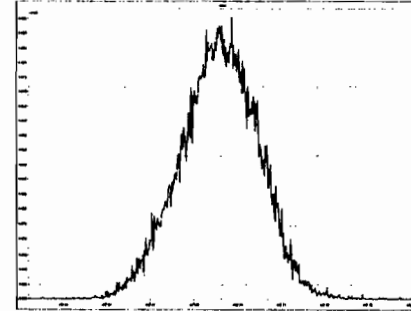
M 416.9760 R 11574



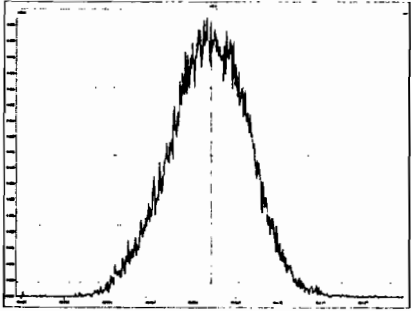
M 430.9728 R 10963



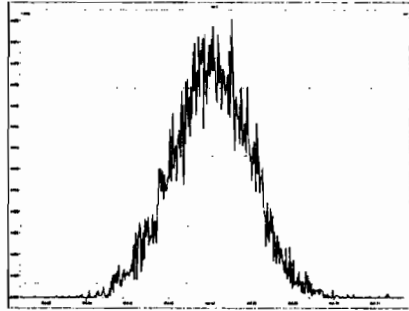
M 442.9728 R 10549



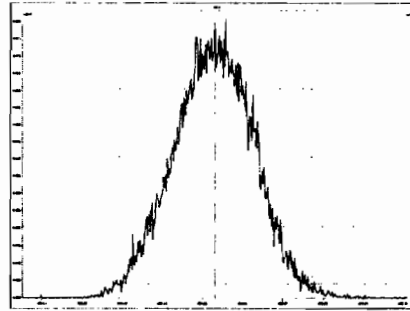
M 454.9728 R 10415



M 466.9728 R 11309



M 480.9696 R 10822



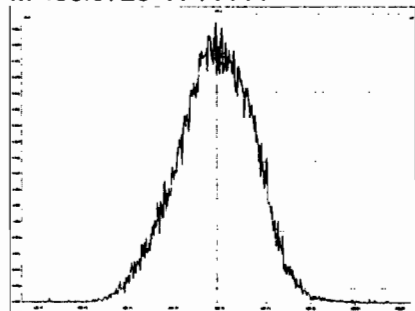
Experiment Calibration Report

MassLynx 4.1 SCN815

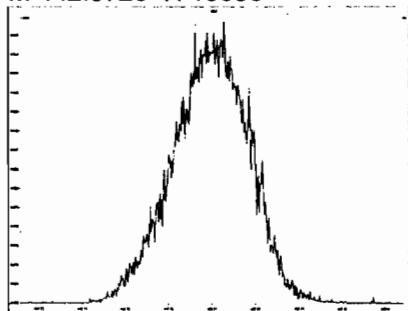
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, May 21, 2020 13:02:58 Pacific Daylight Time

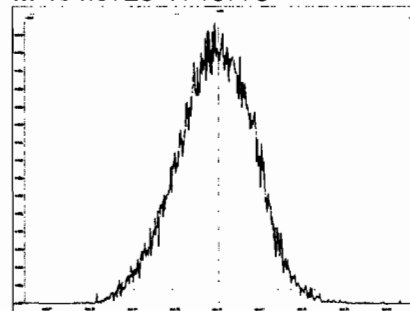
M 430.9728 R 11141



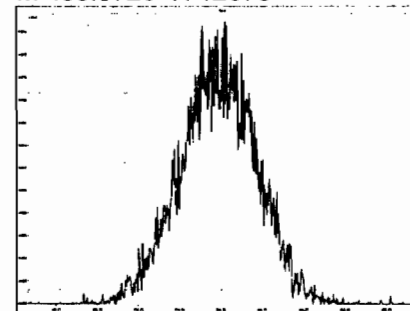
M 442.9728 R 10868



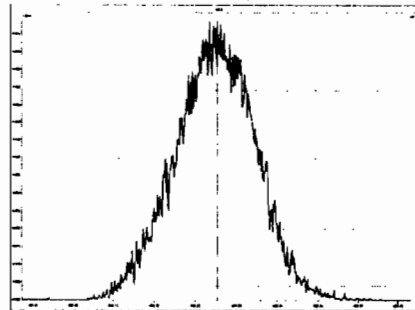
M 454.9728 R 10776



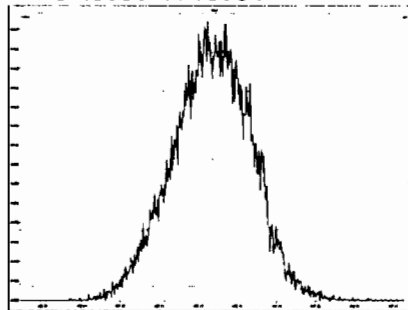
M 466.9728 R 12076



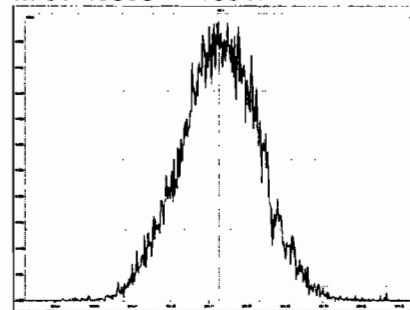
M 480.9696 R 10636



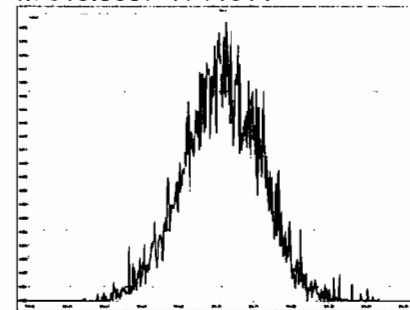
M 492.9696 R 10684



M 504.9696 R 10547



M 516.9697 R 11014



Dataset: Untitled

Last Altered: Thursday, May 21, 2020 2:43:57 PM Pacific Daylight Time

Printed: Thursday, May 21, 2020 2:44:25 PM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 08 Apr 2020 10:53:44

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200521R2_2, Date: 21-May-2020, Time: 13:50:05, ID: ST200521R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1,3,6,8-TCDD (First)	21.84
2	1,2,8,9-TCDD (Last)	27.01
3	1,2,4,7,9-PeCDD (First)	28.84
4	1,2,3,8,9-PeCDD (Last)	31.51
5	1,2,4,6,7,9-HxCDD (First)	33.00
6	1,2,3,7,8,9-HxCDD (Last)	34.87
7	1,2,3,4,6,7,9-HpCDD (First)	37.34
8	1,2,3,4,6,7,8-HpCDD (Last)	38.37
9	1,3,6,8-TCDF (First)	19.79
10	1,2,8,9-TCDF (Last)	27.17
11	1,3,4,6,8-PeCDF (First)	27.13
12	1,2,3,8,9-PeCDF (Last)	31.75
13	1,2,3,4,6,8-HxCDF (First)	32.45
14	1,2,3,7,8,9-HxCDF (Last)	35.22
15	1,2,3,4,6,7,8-HpCDF (First)	36.94
16	1,2,3,4,7,8,9-HpCDF (Last)	38.96

Dataset: Untitled

Last Altered: Thursday, May 21, 2020 2:43:57 PM Pacific Daylight Time

Printed: Thursday, May 21, 2020 2:44:25 PM Pacific Daylight Time

Last altered

GRB 05/21/2020

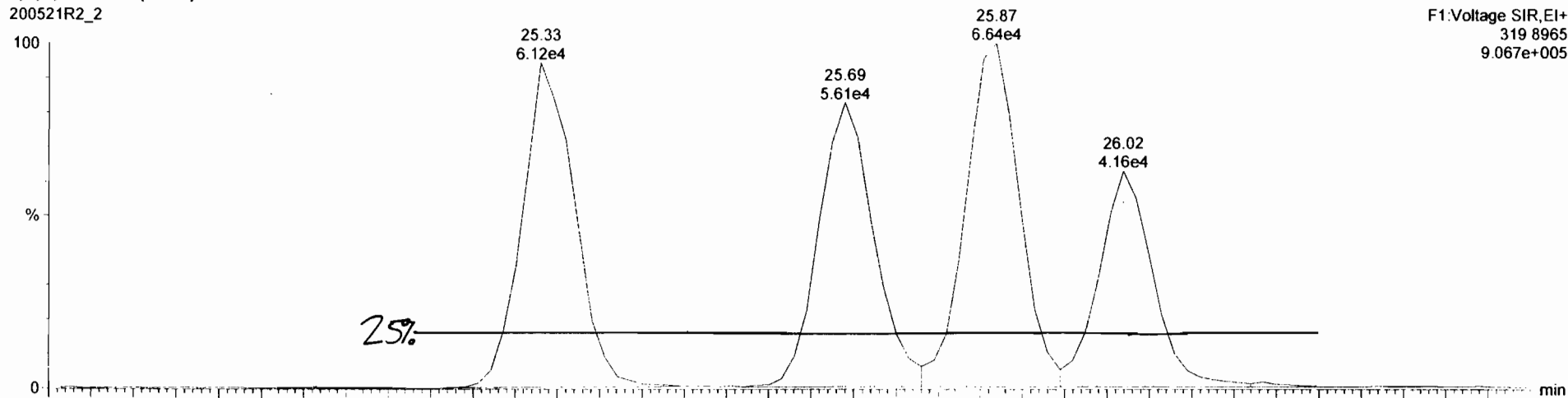
Method: U:\VG12.PRO\MethDB\CPSM.mdb 08 Apr 2020 10:53:44

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

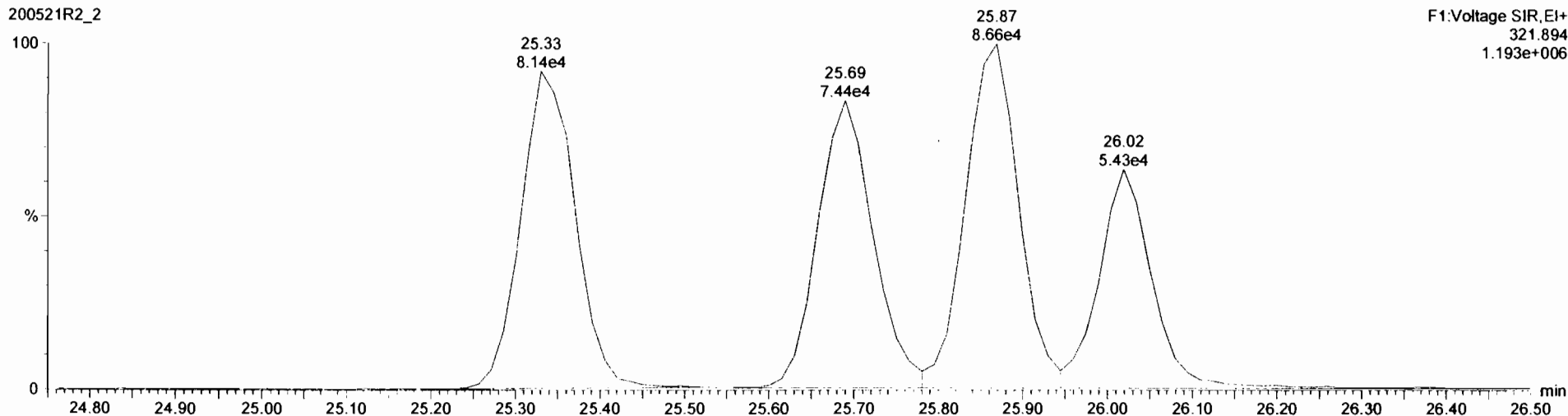
Name: 200521R2_2, Date: 21-May-2020, Time: 13:50:05, ID: ST200521R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,3,6,8-TCDD (First)

200521R2_2



200521R2_2



Dataset: Untitled

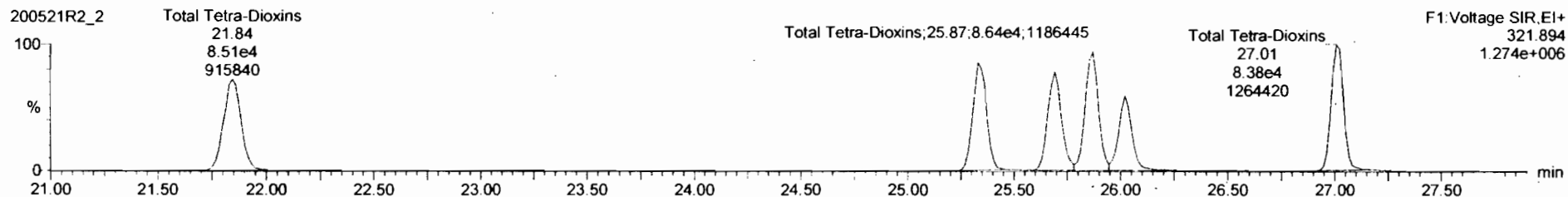
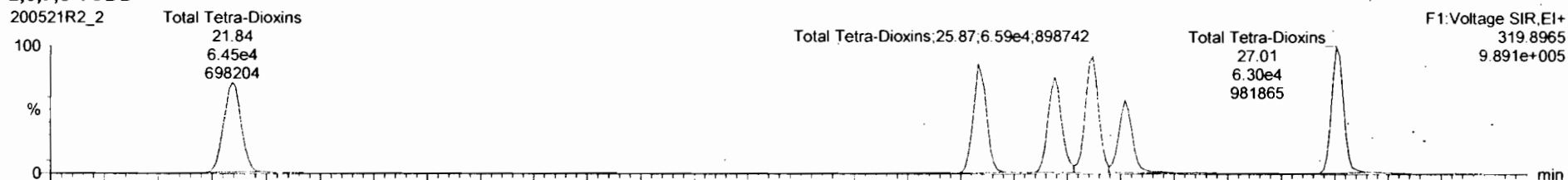
Last Altered: Thursday, May 21, 2020 2:36:21 PM Pacific Daylight Time
Printed: Thursday, May 21, 2020 2:43:28 PM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02

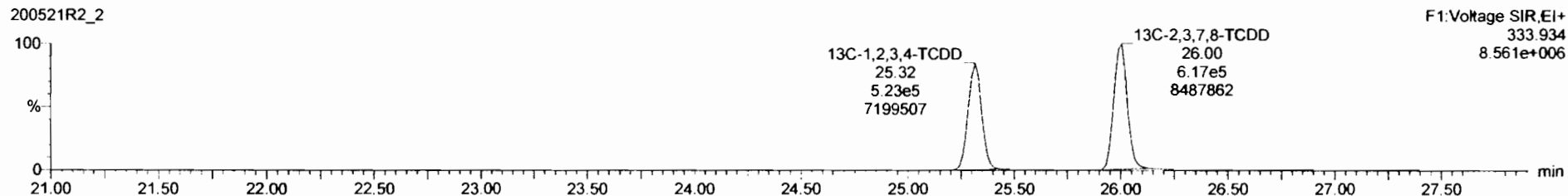
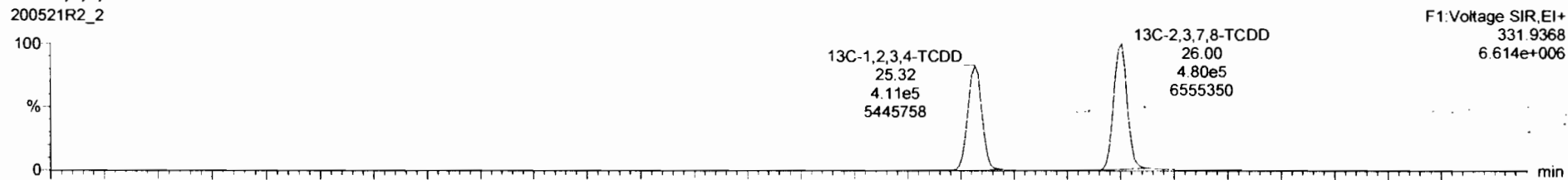
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Sample Name: 200521R2_2, Date: 24 May 2020, Time: 13:50:05, ID: ST200521R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

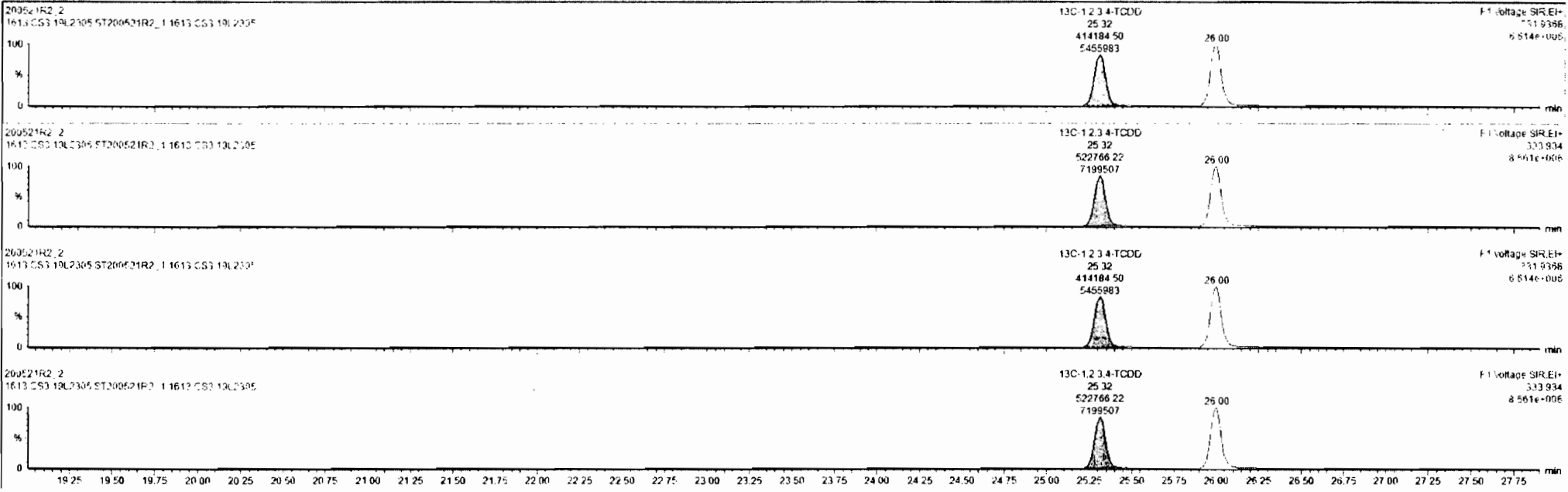
2,3,7,8-TCDD



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



#	Name	Resp	IS Resp	Pred RA	RA	aly	RF	Pred RT	RT	RT Flag	Pred RST	RST	Conc	%Rec	STD out
35	37 Cl-2,3,7,8-TCDD	9.90e4	9.37e5				1.9904	26.01	26.02	NO	1.026	1.026	9.66	96.8	NO
36	13C-1,2,3,4-TCDF	9.57e5	8.57e5	0.77	0.78	NO	1.0000	34.00	34.01	NO	1.000	1.000	100	100	NO
37	13C-1,2,3,4-TCDF	1.30e6	1.30e6				1.0000	23.56	23.53	NO	1.000	1.000	100	100	NO
38	13C-1,2,3,4,6,8-HxCDF	6.96e5	8.96e5	0.51	0.52	NO	1.0000	34.00	34.01	NO	1.000	1.000	100	100	YES
39	Total Tetra-Dioxins		1.10e6				0.9475	24.62		NO	0.000		78.2		NO
40	Total Penta-Dioxins		7.85e5				0.9425	29.96		NO	0.000		202		NO
41	Total Hexa-Dioxins		0.00e0				0.9145	33.83		NO	0.000		236		NO
42	Total Hepta-Dioxins		4.65e5				0.9979	37.64		NO	0.000		138		NO
43	Total Tetra-Furans		1.40e6				0.7871	23.61		NO	0.000		45.6		NO
44	1st Func. Penta-Furans		0.00e0				0.9102	27.09		NO	0.000		99.2		NO
45	Total Penta-Furans		0.00e0				0.9102	29.27		NO	0.000		183		NO
46	Total Hexa-Furans		0.00e0				0.9217	33.58		NO	0.000		295		NO
47	Total Hepta-Furans		0.00e0				0.8712	37.83		NO	0.000		106		NO
48	PFK1														
49	PFK2														
50	PFK3														
51	PFK4														
52	PFK5														



Dataset: Untitled

Last Altered: Thursday, May 21, 2020 2:36:21 PM Pacific Daylight Time

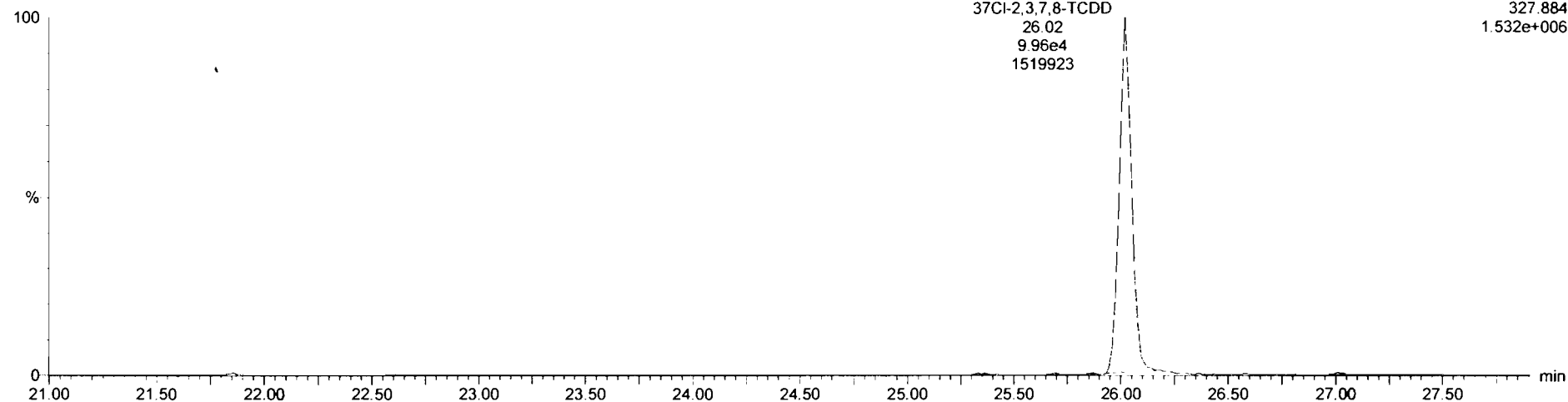
Printed: Thursday, May 21, 2020 2:43:28 PM Pacific Daylight Time

Sample ID: ST200521R2_2 Date: 21 May 2020 Time: 13:50:05; ID: ST200521R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

Method: G16V12.PRM
Calibration: AVG12.F

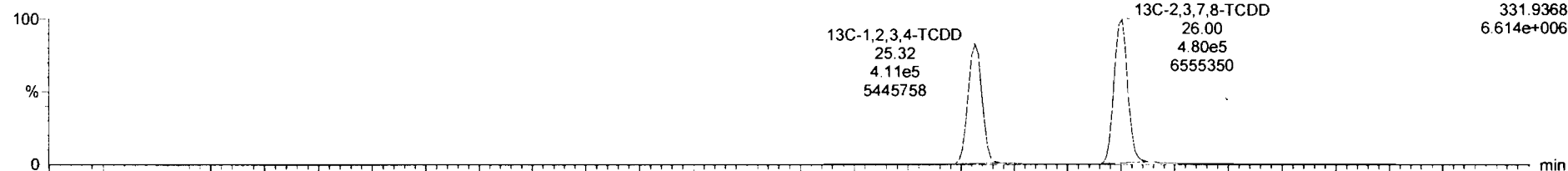
37Cl-2,3,7,8-TCDD

200521R2_2

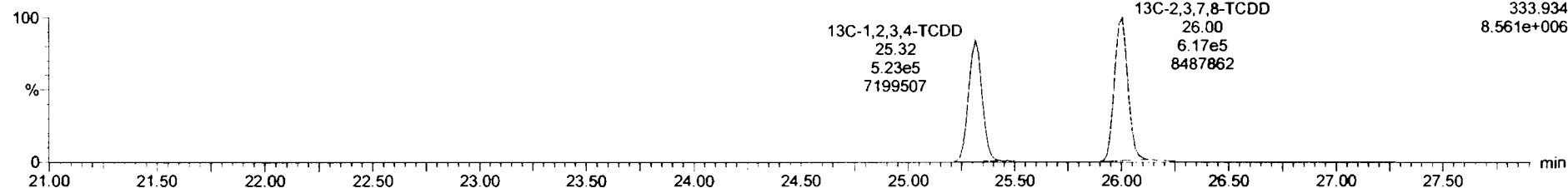


13C-1,2,3,4-TCDD

200521R2_2



200521R2_2



Dataset: Untitled

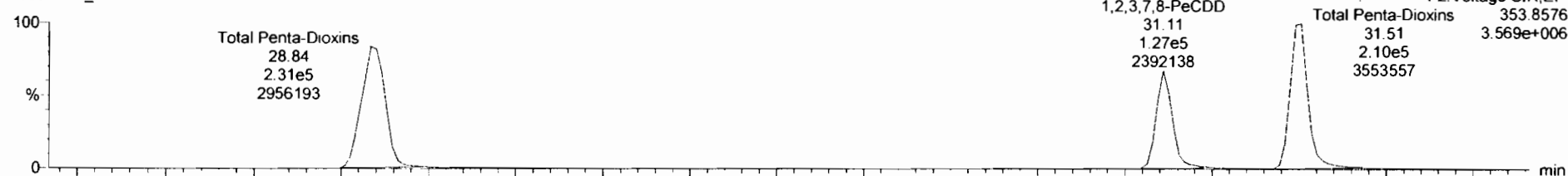
Last Altered: Thursday, May 21, 2020 2:36:21 PM Pacific Daylight Time

Printed: Thursday, May 21, 2020 2:43:28 PM Pacific Daylight Time

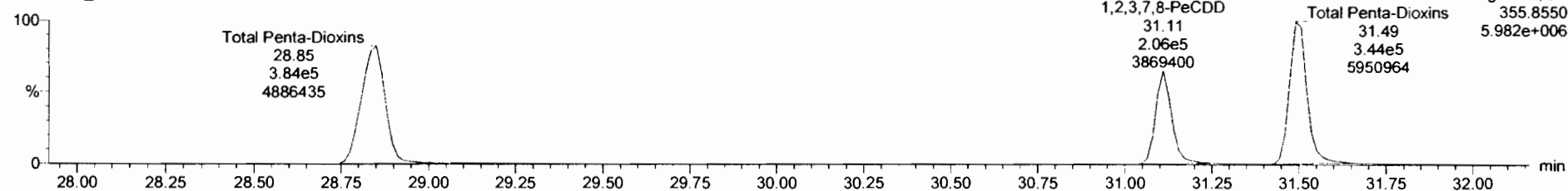
15. ID: ST200521R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,2,3,7,8-PeCDD

200521R2_2

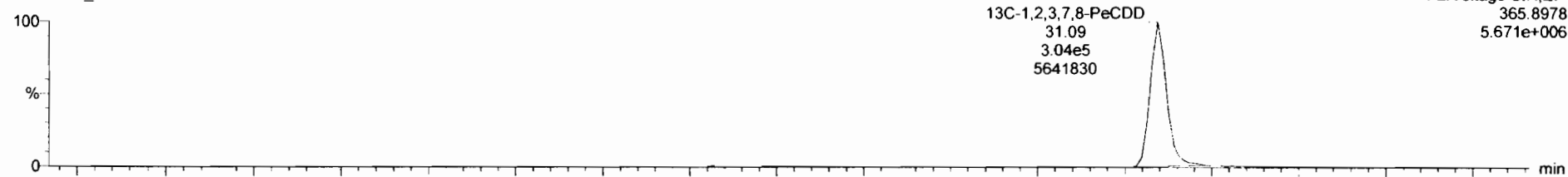


200521R2_2

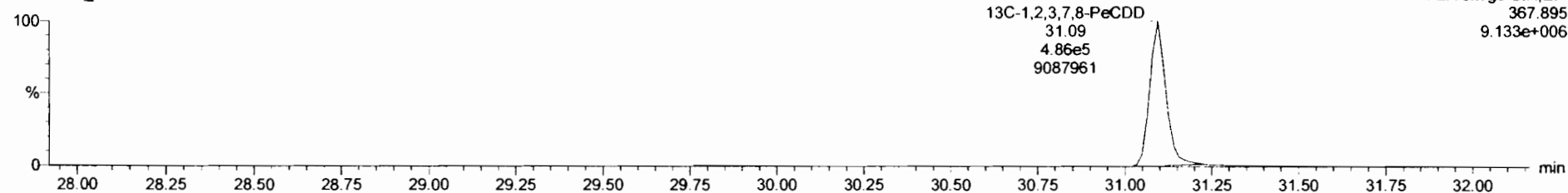


13C-1,2,3,7,8-PeCDD

200521R2_2



200521R2_2



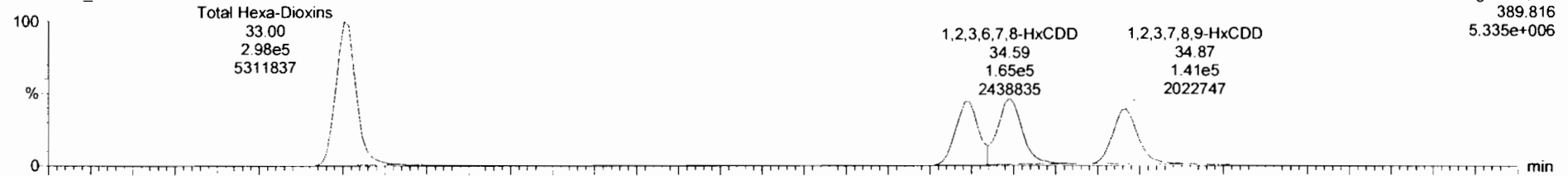
Dataset: Untitled

Last Altered: Thursday, May 21, 2020 2:36:21 PM Pacific Daylight Time
Printed: Thursday, May 21, 2020 2:43:28 PM Pacific Daylight Time

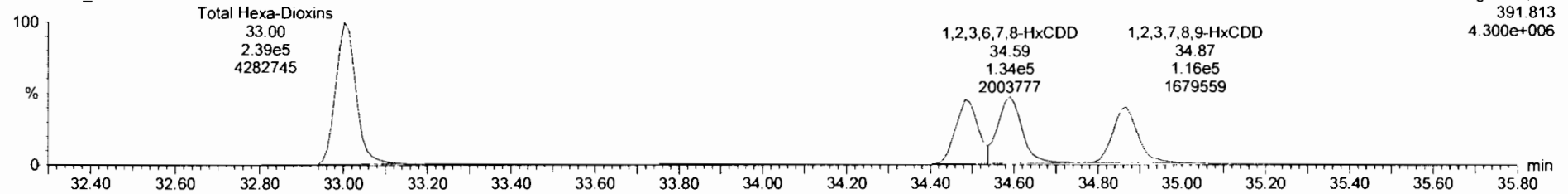
15. ID: ST200521R2_1 (2) Date: 21 May 2020, Time: 13:50:05, ID: ST200521R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305 Name: 200521R2_1

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

200521R2_2

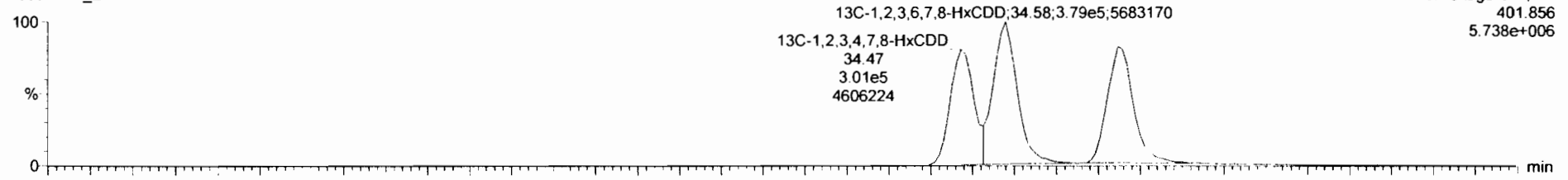


200521R2_2

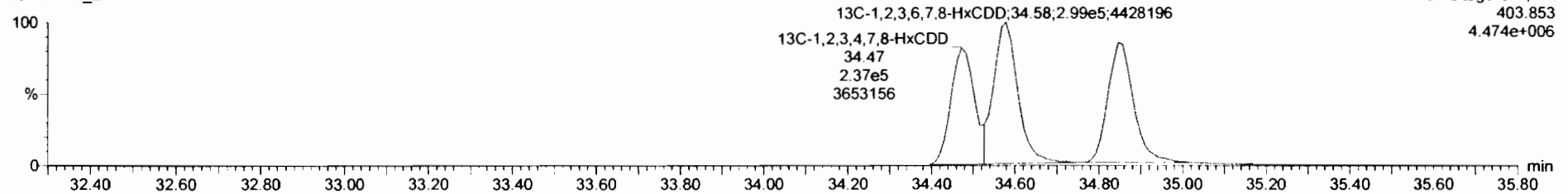


13C-1,2,3,4,7,8-HxCDD

200521R2_2



200521R2_2

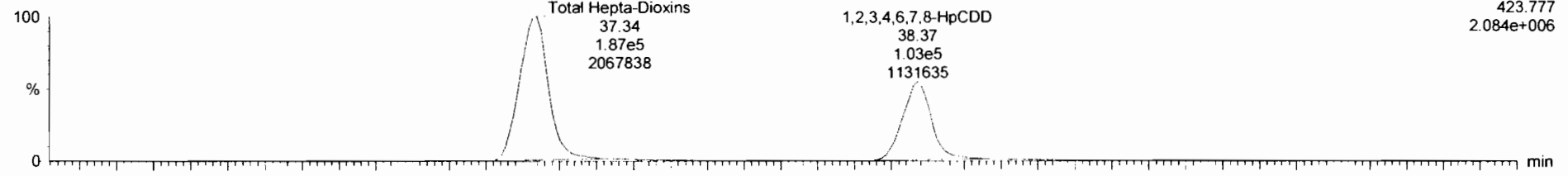


Dataset: Untitled

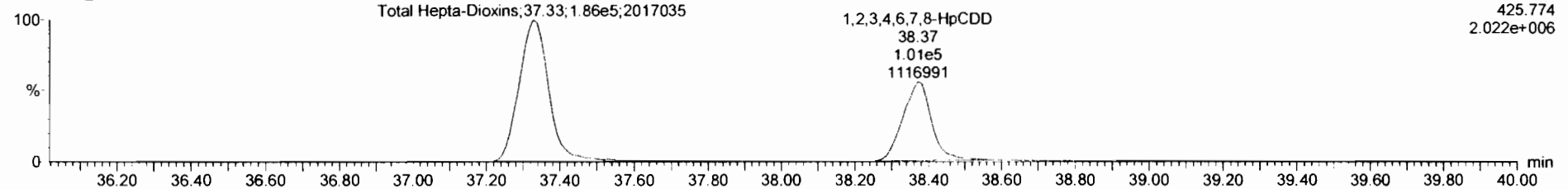
Last Altered: Thursday, May 21, 2020 2:36:21 PM Pacific Daylight Time
Printed: Thursday, May 21, 2020 2:43:28 PM Pacific Daylight Time

SPID: ST200521R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

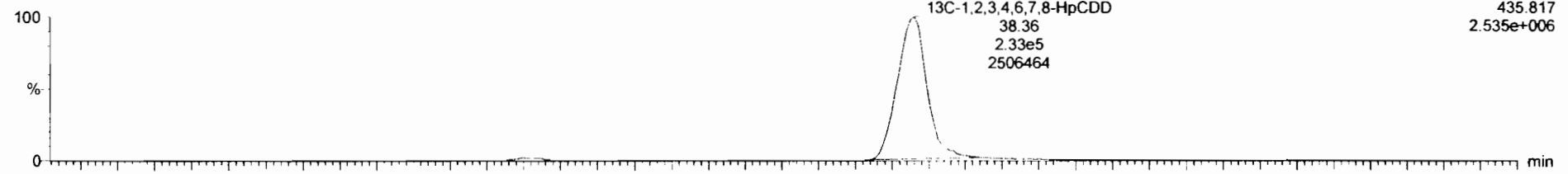
1,2,3,4,6,7,8-HpCDD
200521R2_2



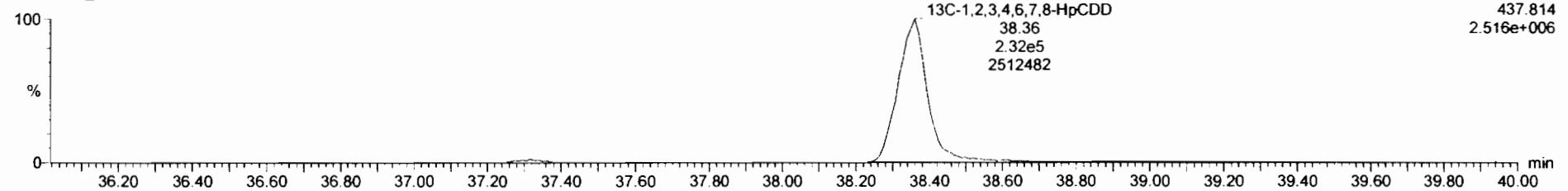
200521R2_2



13C-1,2,3,4,6,7,8-HpCDD
200521R2_2



200521R2_2

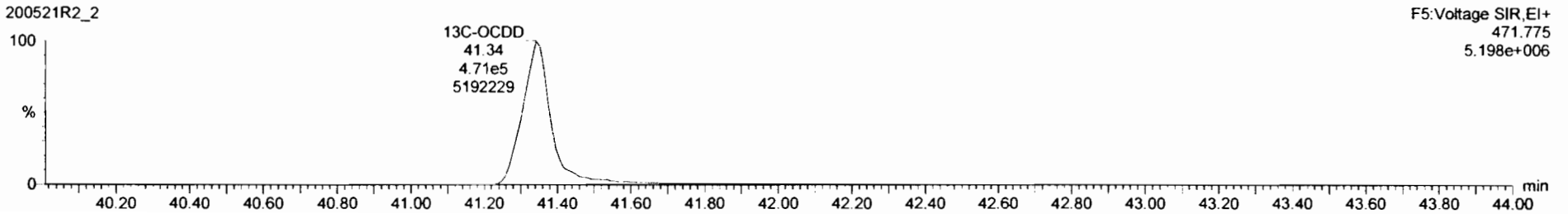
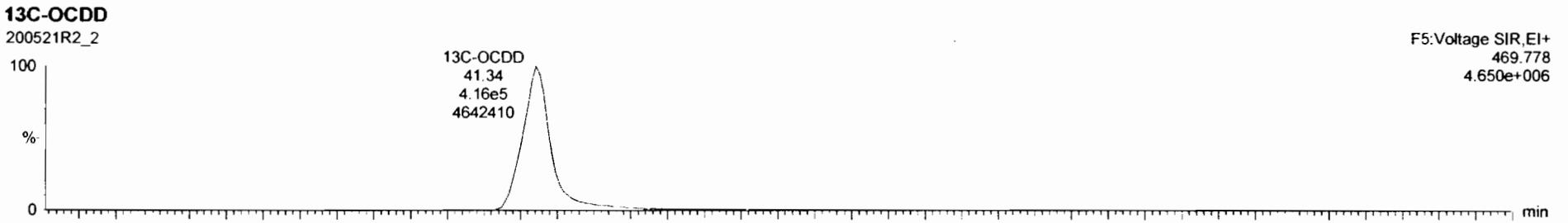
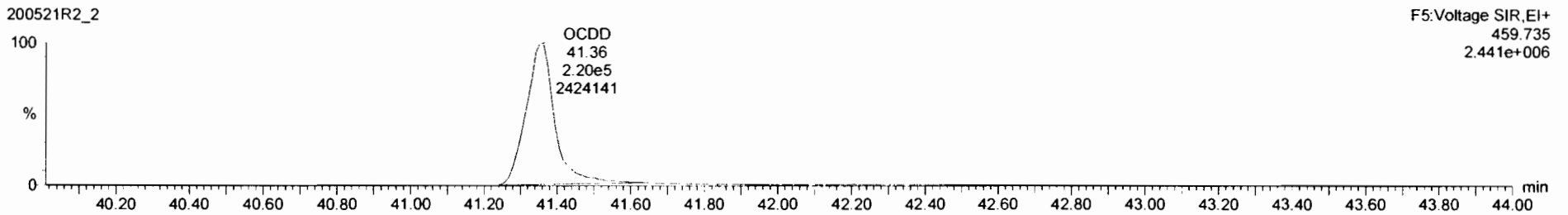
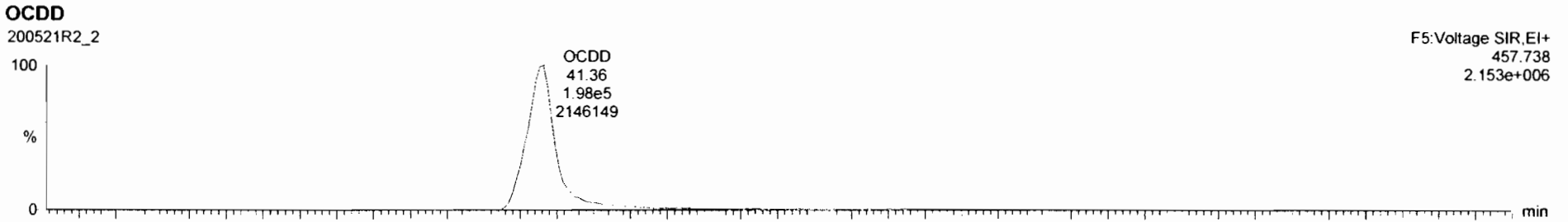


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Last Altered: Thursday, May 21, 2020 2:36:21 PM Pacific Daylight Time

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15, ID: ST200521R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305, Time: 41:50:05, ID: ST200521R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305, Time: 41:50:05

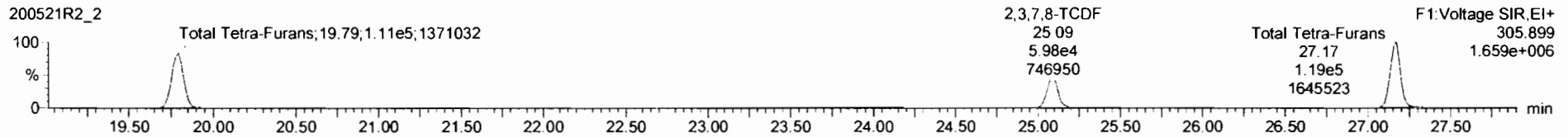
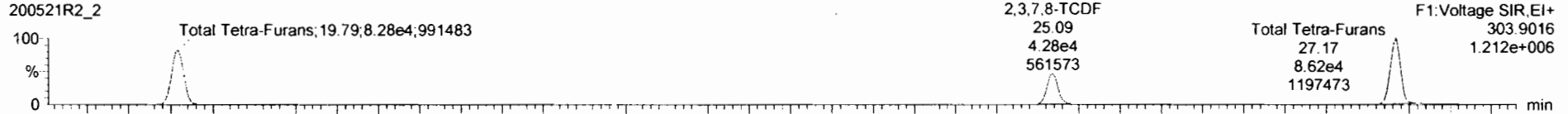


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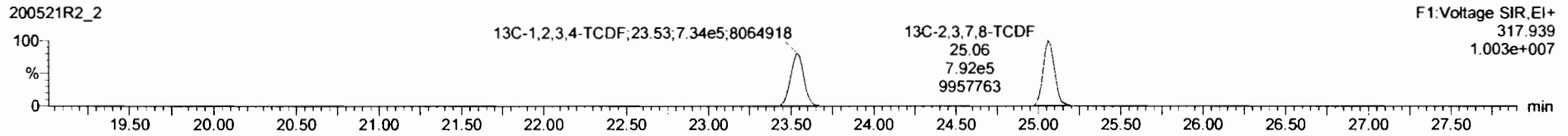
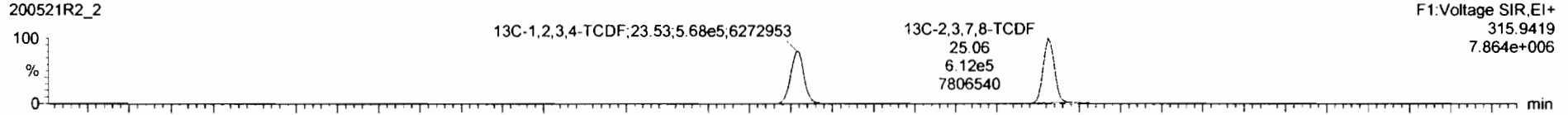
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ID: ST200521R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305: 21

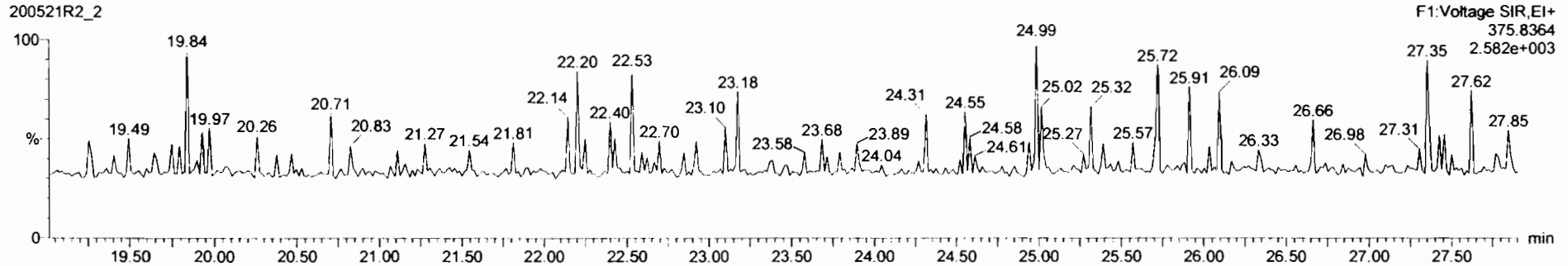
2,3,7,8-TCDF



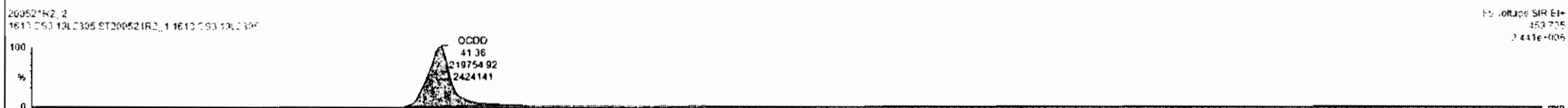
13C-2,3,7,8-TCDF



DPE1



#	Name	Resp	IS Resp	Pred RA	RA	aly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STN out
1	2,2,7,8-TCDF	9.52e4	1.10e5	0.77	0.75	NO	0.9475	26.04	26.02	NO	1.001	1.001	9.16	51.6	NO
2	1,2,3,7,8-PeCDD	3.33e5	7.89e5	0.63	0.62	NO	0.9426	31.12	31.11	NO	1.001	1.001	44.8	89.6	NO
3	1,2,3,4,7,8-HxCDD	2.96e5	5.37e5	1.24	1.23	NO	1.0641	34.46	34.49	NO	1.000	1.001	46.4	92.9	NO
4	1,2,3,6,7,8-HxCDD	2.99e5	8.78e5	1.24	1.24	NO	0.9145	34.58	34.59	NO	1.000	1.000	43.2	86.7	NO
5	1,2,3,7,8,9-HxCDD	2.57e5	6.01e5	1.24	1.21	NO	0.9149	34.86	34.87	NO	1.000	1.000	42.7	85.4	NO
6	1,2,3,4,6,7,8-HpCDD	2.03e5	4.85e5	1.04	1.02	NO	0.8979	38.37	38.37	NO	1.000	1.000	49.7	97.4	NO
7	2,2,7,8-TCDF	1.03e5	1.40e6	0.77	0.71	NO	0.7871	25.09	25.09	NO	1.001	1.001	9.25	92.9	NO
8	2,2,7,8-TCDF	1.03e5	1.40e6	0.77	0.71	NO	0.7871	25.09	25.09	NO	1.001	1.001	9.25	92.9	NO
9	1,2,3,7,8-PeCDF	4.68e5	1.11e6	1.55	1.56	NO	0.9102	29.80	29.80	NO	1.001	1.001	46.1	96.2	NO
10	2,3,4,7,8-PeCDF	4.91e5	1.09e6	1.55	1.56	NO	0.9564	30.82	30.80	NO	1.001	1.000	46.4	92.9	NO
11	1,2,3,4,7,8-HxCDF	3.11e5	6.98e5	1.24	1.19	NO	0.8782	33.61	33.62	NO	1.000	1.000	50.6	102	NO
12	1,2,3,6,7,8-HxCDF	3.82e5	7.89e5	1.24	1.20	NO	0.8740	33.75	33.75	NO	1.000	1.000	52.4	105	NO
13	2,3,4,6,7,8-HxCDF	3.40e5	7.97e5	1.24	1.17	NO	0.9217	34.35	34.32	NO	1.001	1.000	52.2	104	NO
14	1,2,3,7,8,9-HxCDF	2.55e5	5.75e5	1.24	1.23	NO	0.8642	35.20	35.22	NO	1.000	1.001	51.4	101	NO
15	1,2,3,4,6,7,8-HpCDF	2.44e5	5.44e5	1.04	1.03	NO	0.8712	36.97	36.94	NO	1.001	1.000	51.5	103	NO
16	1,2,3,4,7,8,9-HpCDF	1.05e5	3.48e5	1.04	0.96	NO	1.0116	36.95	38.96	NO	1.000	1.000	53.7	107	NO
17	OCDF	4.12e5	1.01e6	0.85	0.82	NO	0.8221	41.53	41.55	NO	1.000	1.000	102	102	NO
18	OCDF	4.12e5	1.01e6	0.85	0.82	NO	1.0000	41.53	41.55	NO	1.000	1.000	101	101	NO



Dataset: Untitled

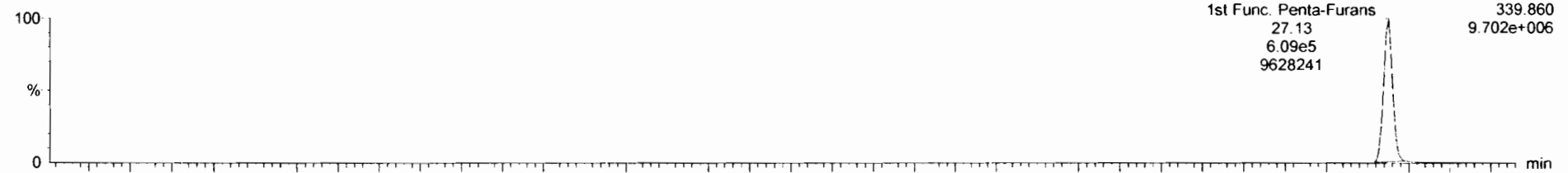
Last Altered: Thursday, May 21, 2020 2:36:21 PM Pacific Daylight Time

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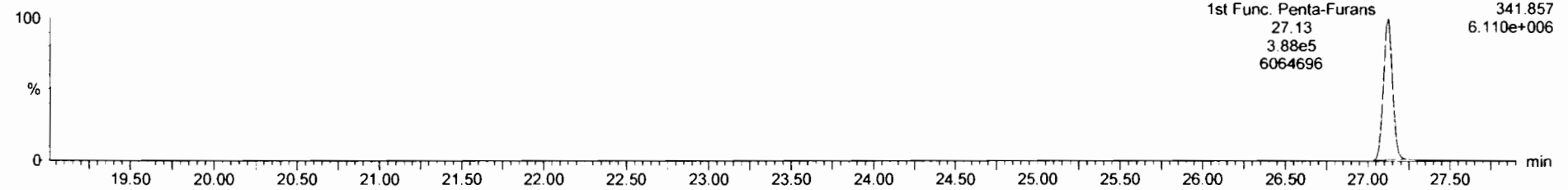
IS: ID: ST200521R2_2 Date: 20 May 2020 Time: 13:50:05; ID: ST200521R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305 Time: 10

1st Func. Penta-Furans

200521R2_2

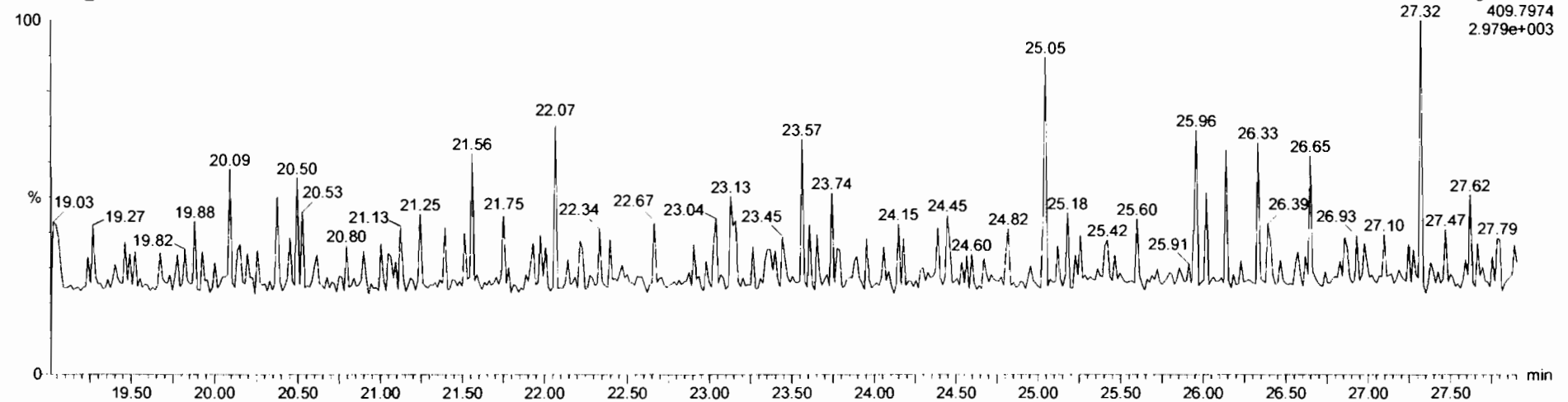


200521R2_2



DPE6

200521R2_2



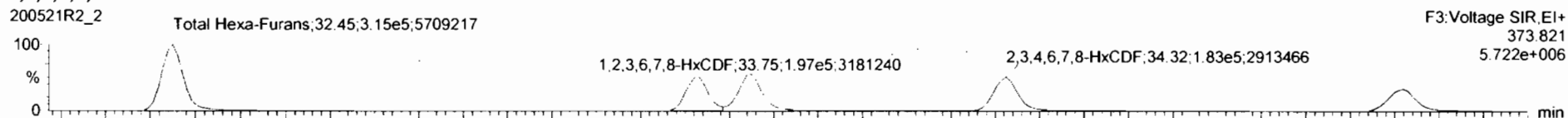
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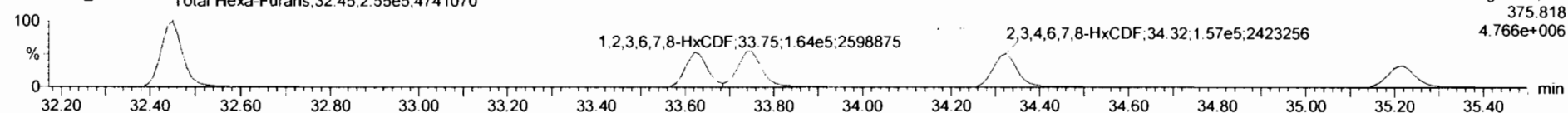
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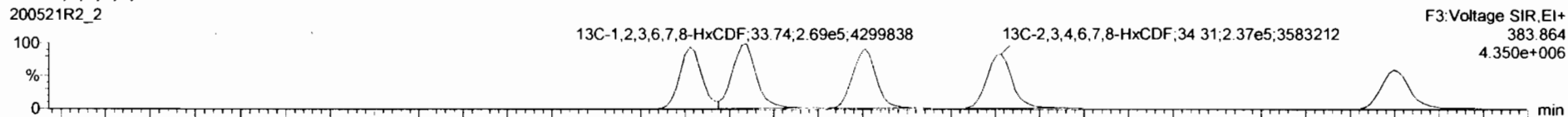
1,2,3,4,7,8-HxCDF



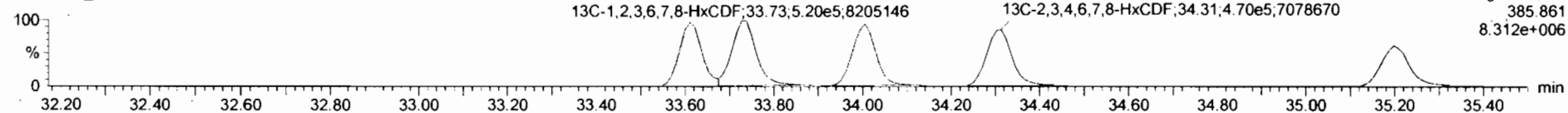
200521R2_2



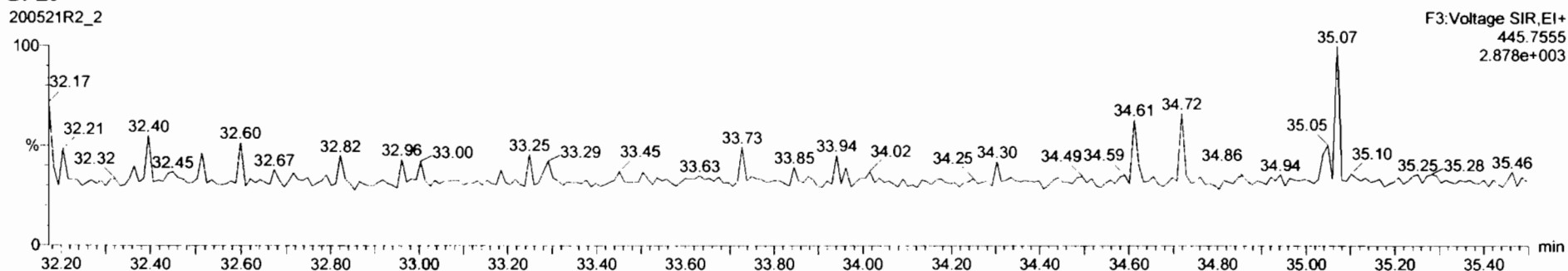
13C-1,2,3,4,7,8-HxCDF



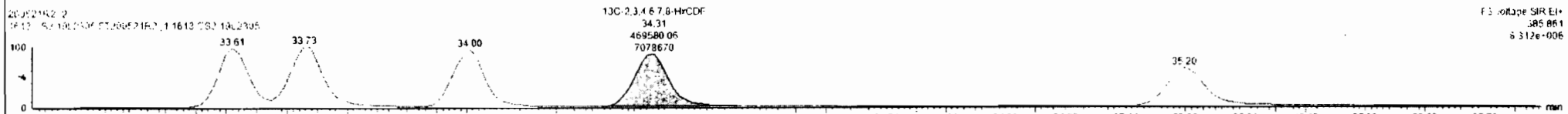
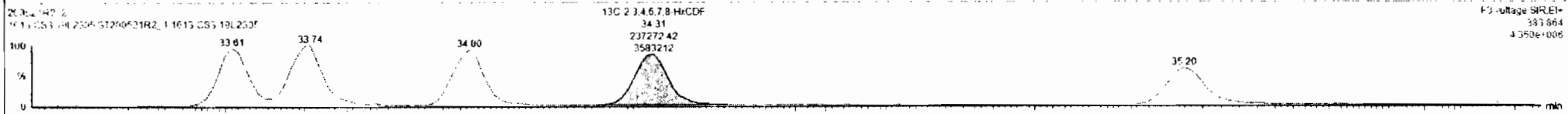
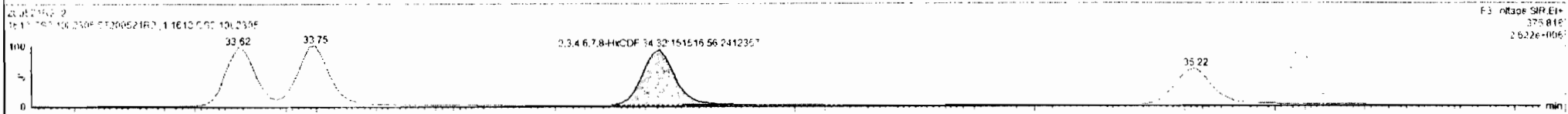
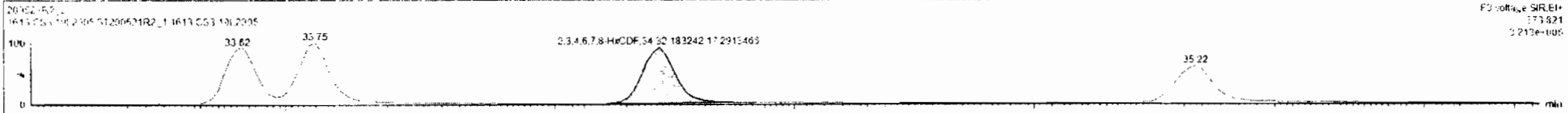
200521R2_2



DPE3



#	Name	Resp	IS Resp	Pred RA	RA	aly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Caric	%Rec	STD OUT
1	2,3,7,8-TCDF	9.52e4	1.10e6	0.77	0.76	NO	0.9475	26.04	26.02	NO	1.001	1.001	9.16	51.6	NO
2	2,3,7,8-PeCDD	3.33e5	7.89e5	0.63	0.62	NO	0.9425	31.12	31.11	NO	1.001	1.001	44.5	85.8	NO
3	2,3,4,7,8-HxCDD	2.66e5	5.37e5	1.24	1.23	NO	1.0641	34.46	34.49	NO	1.000	1.001	46.4	52.9	NO
4	2,3,7,8,9-HxCDD	2.99e5	8.78e5	1.24	1.24	NO	0.9145	34.58	34.59	NO	1.000	1.000	48.2	56.5	NO
5	2,3,7,8,9-HxCDF	2.57e5	6.01e5	1.24	1.21	NO	0.9149	34.86	34.87	NO	1.000	1.001	46	57.4	NO
6	2,3,4,6,7,8-HpCDD	2.03e5	4.85e5	1.04	1.02	NO	0.9979	36.37	36.27	NO	1.000	1.000	48.7	37.4	NO
7	OCDD	4.12e5	8.62e5	0.89	0.87	NO	0.9335	41.34	41.36	NO	1.000	1.001	102	102	NO
8	2,3,7,8-TCDF	1.03e5	1.40e6	0.77	0.71	NO	0.7871	25.09	25.09	NO	1.001	1.001	9.29	52.5	NO
9	2,3,7,8-PeCDF	4.68e5	1.11e6	1.55	1.56	NO	0.9102	29.80	29.80	NO	1.001	1.001	46.1	96.2	NO
10	2,3,4,7,8-PeCDF	4.91e5	1.09e6	1.55	1.56	NO	0.9664	30.82	30.80	NO	1.001	1.000	46.5	97.9	NO
11	2,3,4,7,8-HxCDF	3.11e5	6.96e5	1.24	1.19	NO	0.8782	33.61	33.62	NO	1.000	1.000	50.6	102	NO
12	2,3,6,7,8-HxCDF	3.62e5	7.89e5	1.24	1.20	NO	0.8740	33.75	33.75	NO	1.000	1.000	52.4	105	NO
13	2,3,4,6,7,8-HpCDF	2.55e5	5.75e5	1.24	1.21	NO	0.8629	35.20	35.22	NO	1.000	1.000	51.4	103	NO
14	2,3,7,8,9-HxCDF	2.55e5	5.75e5	1.24	1.23	NO	0.8642	35.20	35.22	NO	1.000	1.001	51.4	103	NO
15	2,3,4,6,7,8-HpCDF	2.44e5	5.44e5	1.04	1.03	NO	0.8712	36.97	36.94	NO	1.001	1.000	51.5	103	NO
16	2,3,4,7,8,9-HpCDF	1.65e5	3.48e5	1.04	0.99	NO	1.2118	38.95	38.96	NO	1.000	1.000	53.7	107	NO
17	OCDF	4.12e5	1.01e6	0.89	0.82	NO	0.8971	41.53	41.55	NO	1.000	1.000	102	102	NO
18	2,3,4,6,7,8-HpCDF	1.10e5	6.13e5	0.77	0.76	NO	1.1354	36.98	36.94	NO	1.000	1.000	53	103	NO



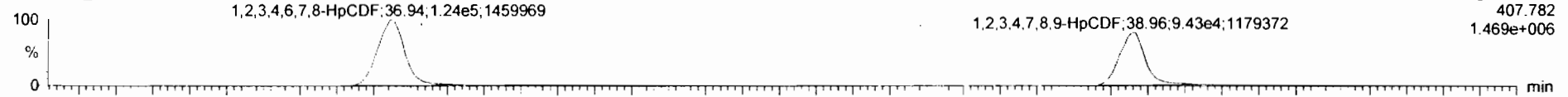
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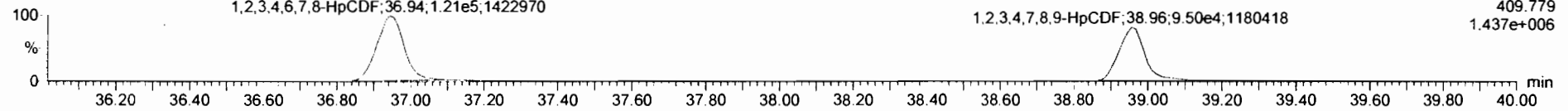
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1,2,3,4,6,7,8-HpCDF

200521R2_2

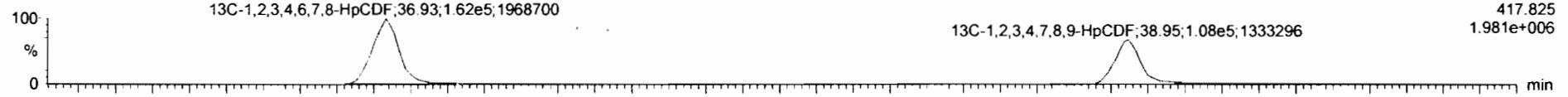


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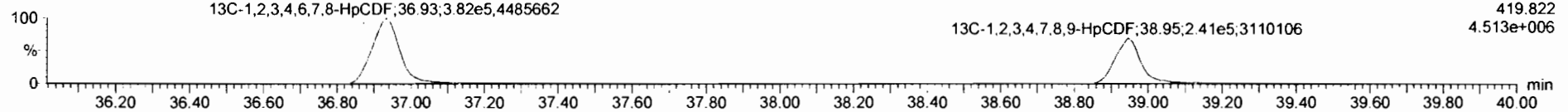


13C-1,2,3,4,6,7,8-HpCDF

200521R2_2

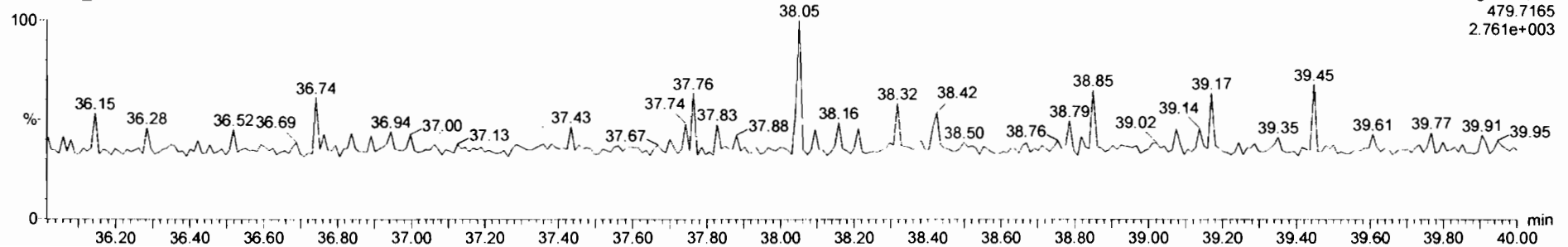


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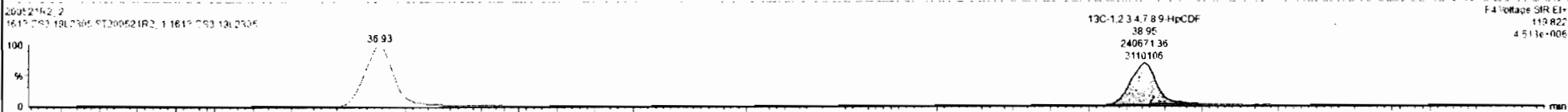
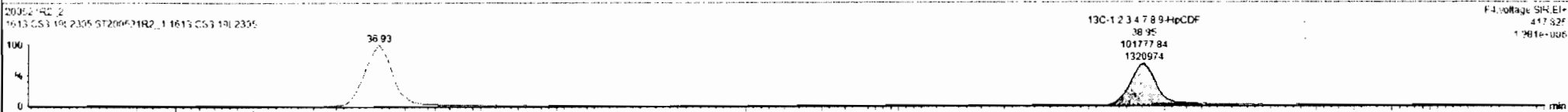
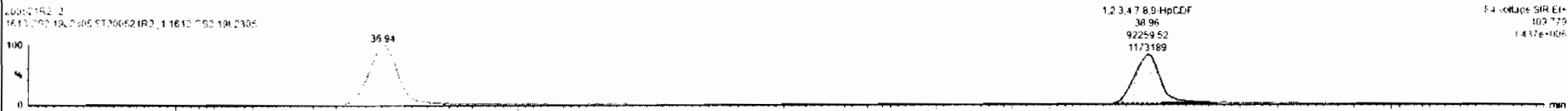
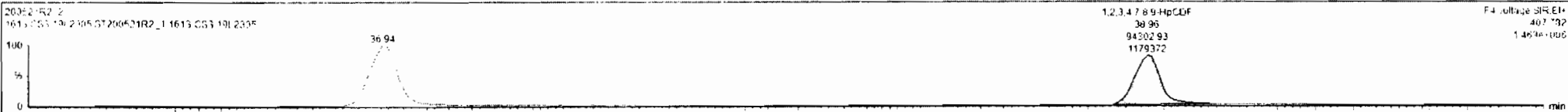


DPE4

200521R2_2



#	Name	Resp	IS Resp	Pred RA	RA	nly	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc	%Rec	STD err
1	1,2,3,7,8-TCDD	9.52e4	1.10e6	0.77	0.76	NO	0.9475	26.04	26.02	NO	1.001	1.001	9.16	51.6	NO
2	1,2,3,7,8-PeCDD	3.33e5	7.89e5	0.63	0.62	NO	0.9425	31.12	31.11	NO	1.001	1.001	44.5	65.6	NO
3	1,2,3,4,7,8-HxCDD	2.66e5	5.37e5	1.24	1.23	NO	1.0541	34.46	34.49	NO	1.000	1.001	46.4	52.9	NO
4	1,2,3,6,7,8-HxCDD	2.56e5	6.78e5	1.24	1.24	NO	0.9145	34.58	34.59	NO	1.000	1.000	43.2	46.5	NO
5	1,2,3,7,8,9-HxCDD	2.57e5	6.01e5	1.24	1.21	NO	0.9149	34.86	34.87	NO	1.000	1.001	46.7	50.4	NO
6	1,2,3,4,6,7,8-HpCDD	2.03e5	4.85e5	1.04	1.02	NO	0.8975	36.37	36.37	NO	1.000	1.000	36.7	27.4	NO
7	OCDD	4.12e5	8.62e5	0.69	0.87	NO	0.9335	41.34	41.36	NO	1.000	1.001	102	102	NO
8	1,2,3,7,8-TCDF	1.03e5	1.40e6	0.77	0.71	NO	0.7871	25.09	25.09	NO	1.001	1.001	9.26	62.9	NO
9	1,2,3,7,8-PeCDF	4.88e5	1.11e6	1.15	1.56	NO	0.9102	29.80	29.80	NO	1.001	1.001	48.1	56.2	NO
10	1,2,3,4,7,8-PeCDF	4.91e5	1.09e6	1.15	1.56	NO	0.9664	30.82	30.80	NO	1.001	1.000	46.5	62.9	NO
11	1,2,3,4,7,8-HxCDF	3.11e5	8.96e5	1.24	1.19	NO	0.8782	33.61	33.62	NO	1.000	1.000	50.2	107	NO
12	1,2,3,6,7,8-HxCDF	3.62e5	7.89e5	1.24	1.20	NO	0.8740	33.75	33.75	NO	1.000	1.000	52.2	105	NO
13	1,2,3,4,6,7,8-HxCDF	3.35e5	7.07e5	1.24	1.21	NO	0.9217	34.35	34.32	NO	1.001	1.000	51.4	103	NO
14	1,2,3,7,8,9-HxCDF	2.55e5	6.75e5	1.24	1.23	NO	0.9642	35.20	35.22	NO	1.000	1.001	51.4	103	NO
15	1,2,3,4,6,7,8-HpCDF	2.44e5	5.44e5	1.04	1.03	NO	0.8712	36.97	36.94	NO	1.001	1.000	51.5	103	NO
16	1,2,3,4,7,8,9-HpCDF	2.87e5	1.34e6	1.04	1.02	NO	0.8998	36.96	36.96	NO	1.000	1.000	53.0	100	NO
17	OCDF	4.12e5	1.01e6	0.85	0.82	NO	0.8821	41.53	41.55	NO	1.000	1.000	102	102	NO
18	1,2,3,4,6,7,8,9-TCDF	4.10e5	9.36e5	0.77	0.76	NO	1.1064	36.08	36.08	NO	1.000	1.000	101	101	NO



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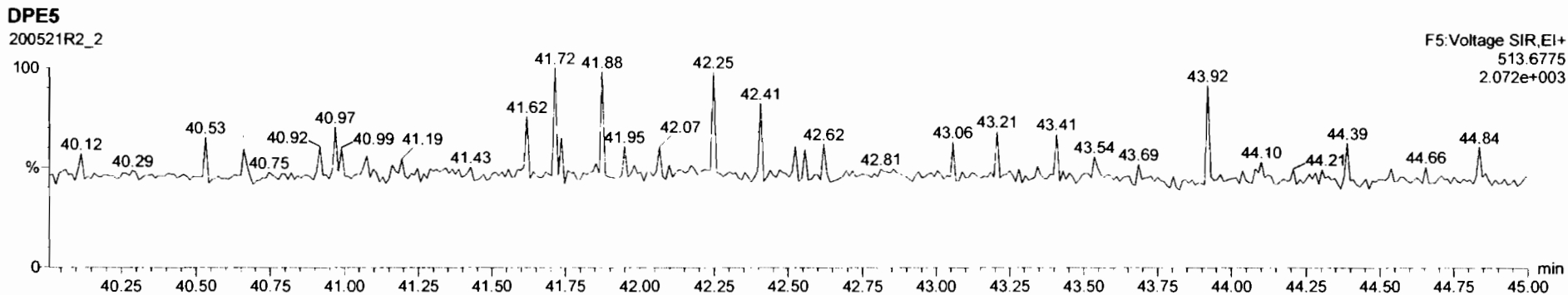
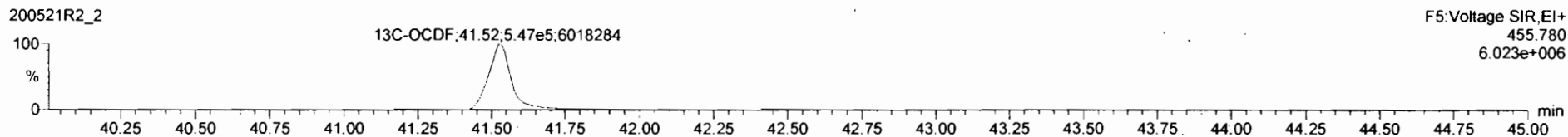
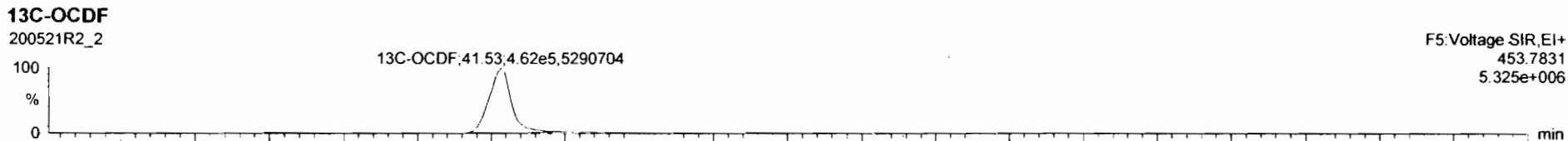
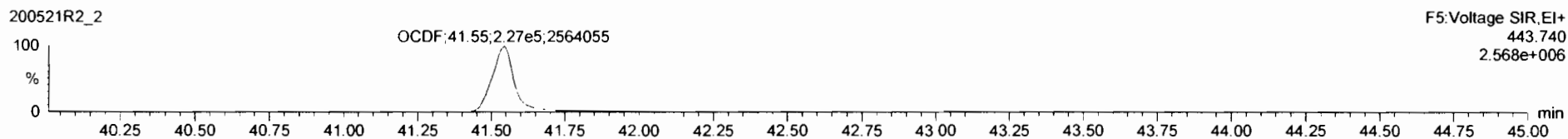
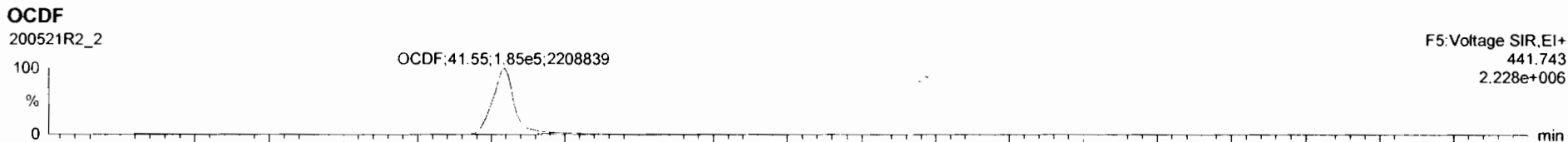
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Printed: Thursday, May 21, 2020 2:43:28 PM Pacific Daylight Time

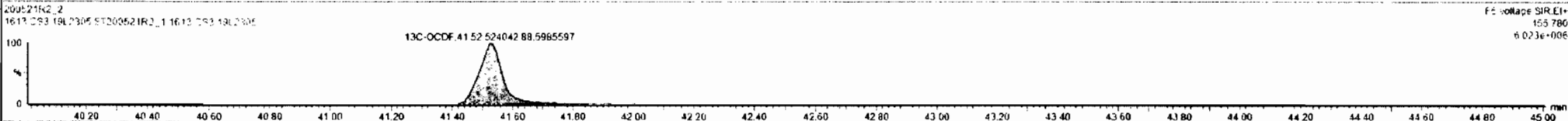
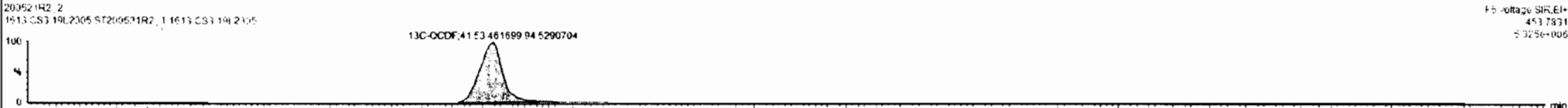
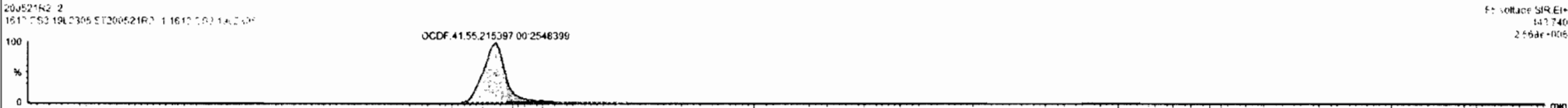
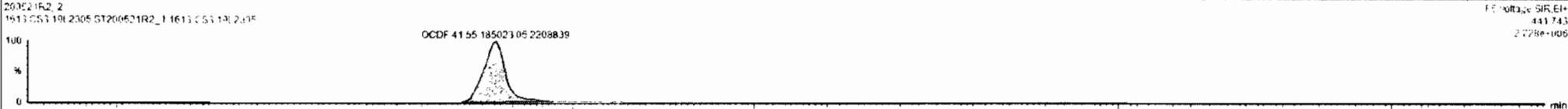
Last Altered: Thursday, May 21, 2020 2:36:21 PM Pacific Daylight Time

Printed: Thursday, May 21, 2020 2:43:28 PM Pacific Daylight Time

1613 CS319L2305, Description: 1613 CS319L2305, Date: 2020-05-20, Time: 13:50:05, ID: 200521R2_1, 1613 CS319L2305, Date: 2020-05-20, Time: 13:50:05, ID: 200521R2_2



#	Name	Resp	IS Resp	Pred RA	RA	aly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	9.52e4	1.10e5	0.77	0.75	NO	0.9475	26.04	26.02	NO	1.001	1.001	9.16	91.6	NO
2	1,2,3,7,8-PeCDD	3.33e5	7.89e5	0.63	0.52	NO	0.9426	31.12	31.11	NO	1.001	1.001	44.8	69.6	NO
3	1,2,3,4,7,8-HxCDD	2.66e5	5.37e5	1.24	1.23	NO	1.0641	34.48	34.49	NO	1.000	1.001	46.4	92.9	NO
4	1,2,3,6,7,8-HxCDD	2.99e5	8.78e5	1.24	1.24	NO	0.9145	34.58	34.59	NO	1.000	1.000	43.2	96.1	NO
5	1,2,3,7,8,9-HxCDD	2.57e5	6.01e5	1.24	1.21	NO	0.9149	34.86	34.87	NO	1.000	1.001	46.7	91.4	NO
6	1,2,3,4,6,7,8-HpCDD	2.02e5	4.85e5	1.04	1.02	NO	0.8975	38.37	38.37	NO	1.000	1.000	46.7	97.4	NO
7	OCDD	4.12e5	6.62e5	0.85	0.87	NO	0.8335	41.34	41.36	NO	1.000	1.001	100	100	NO
8	2,2,7,8-TCDF	1.03e5	1.40e5	0.77	0.71	NO	0.7871	25.09	25.09	NO	1.001	1.001	5.29	92.9	NO
9	1,2,3,7,8-PeCDF	4.68e5	1.11e6	1.55	1.56	NO	0.9102	29.80	29.80	NO	1.001	1.001	48.1	96.2	NO
10	2,3,4,7,8-PeCDF	4.91e5	1.09e6	1.55	1.54	NO	0.9564	30.82	30.80	NO	1.001	1.000	46.6	90.9	NO
11	1,2,3,4,7,8-HxCDF	3.11e5	6.96e5	1.24	1.19	NO	0.8782	33.61	33.62	NO	1.000	1.000	50.6	100	NO
12	1,2,3,6,7,8-HxCDF	3.62e5	7.89e5	1.24	1.20	NO	0.8740	33.75	33.75	NO	1.000	1.000	52.4	105	NO
13	2,3,4,6,7,8-HxCDF	7.35e5	7.07e5	1.24	1.21	NO	0.9217	34.35	34.32	NO	1.001	1.000	51.4	101	NO
14	1,2,3,7,8,9-HxCDF	2.55e5	5.75e5	1.24	1.23	NO	0.9642	35.20	35.22	NO	1.000	1.001	51.4	101	NO
15	1,2,3,4,6,7,8-HpCDF	2.44e5	5.44e5	1.04	1.03	NO	0.8712	36.97	36.94	NO	1.001	1.000	51.6	103	NO
16	1,2,3,4,7,8,9-HpCDF	1.87e5	3.42e5	1.04	1.02	NO	1.0118	38.95	38.96	NO	1.000	1.000	53.9	106	NO
17	OCDF	9.89e5	9.89e5	0.80	0.80	NO	0.8000	41.52	41.52	NO	1.000	1.000	100	100	NO
18	1,2,3,7,8-PeCDD	1.10e4	0.34e5	0.73	0.74	NO	1.1406	36.08	36.05	NO	1.006	1.002	100	100	NO

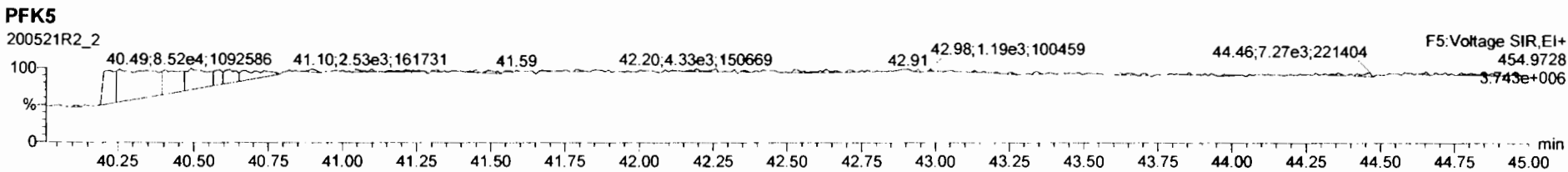
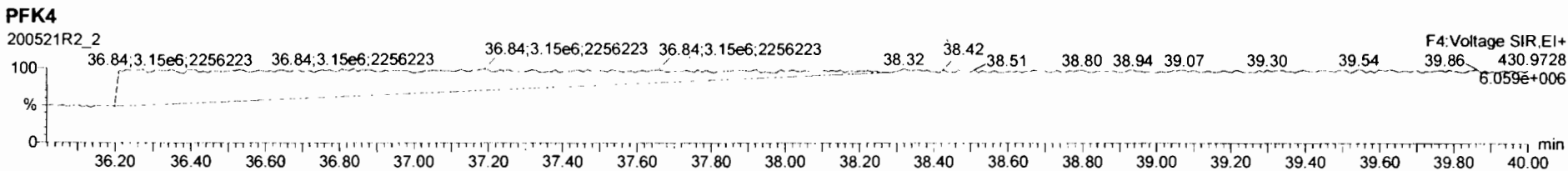
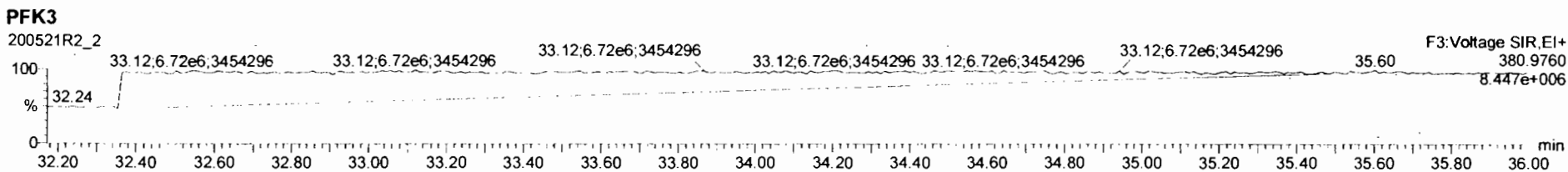
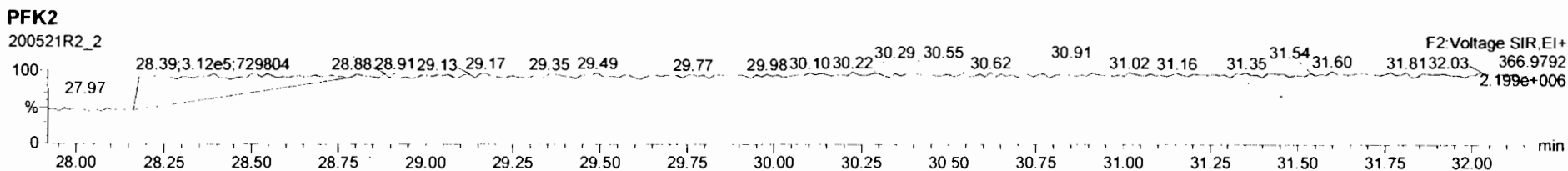
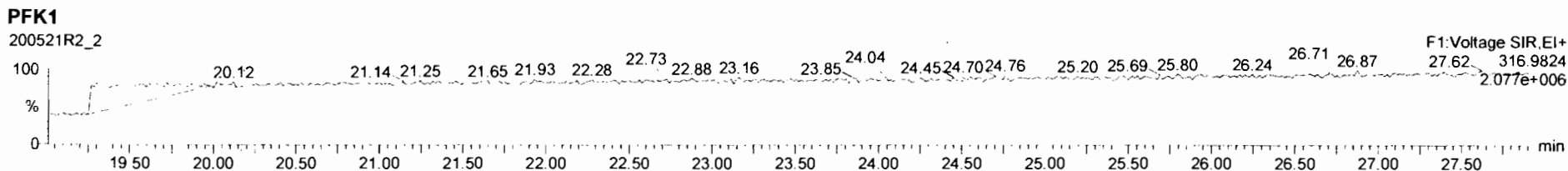


Dataset: Untitled

Last Altered: Thursday, May 21, 2020 2:36:21 PM Pacific Daylight Time
Printed: Thursday, May 21, 2020 2:43:28 PM Pacific Daylight Time

Last Altered: Thursday, May 21, 2020 2:43:28 PM Pacific Daylight Time
Printed: Thursday, May 21, 2020 2:43:28 PM Pacific Daylight Time

15; ID: ST200521R2_1 CS Date: 2020-05-20 Time: 13:50:05; ID: ST200521R2_1 1613 CS3 19L2305; Description: 1613 CS3 19L2305; File: 200521R2_1.D



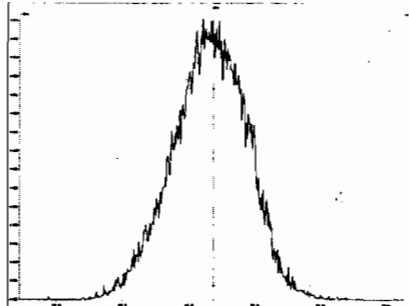
Experiment Calibration Report

MassLynx 4.1 SCN815

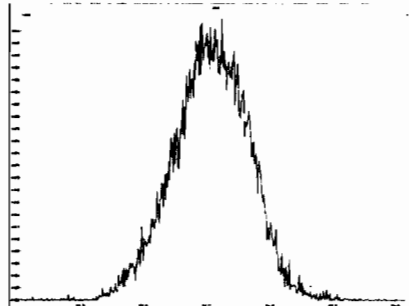
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Friday, May 22, 2020 07:26:35 Pacific Daylight Time

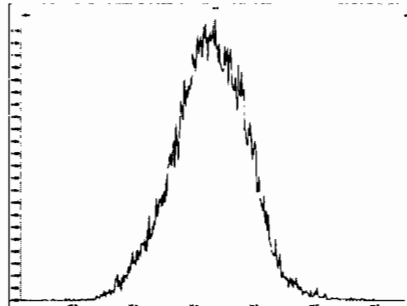
M 292.9824 R 11362



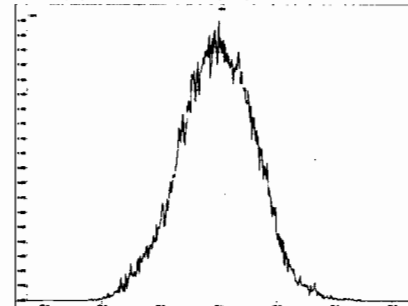
M 304.9824 R 11207



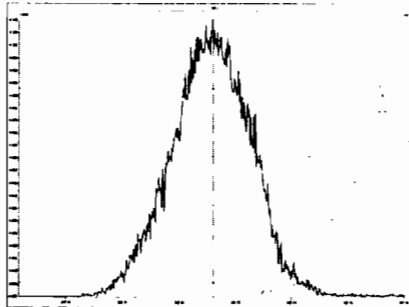
M 318.9792 R 11520



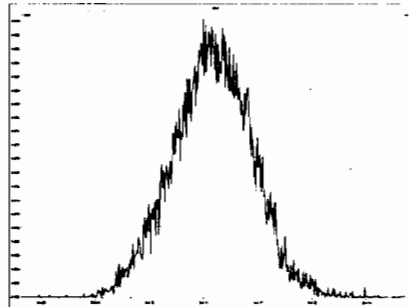
M 330.9792 R 10778



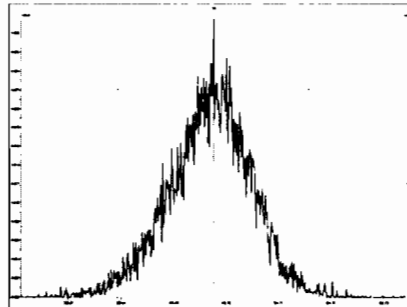
M 342.9792 R 10593



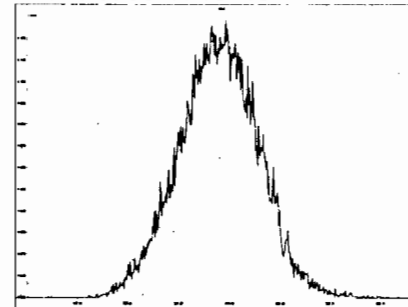
M 354.9792 R 10682



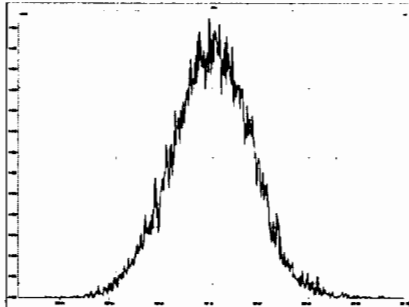
M 366.9792 R 10504



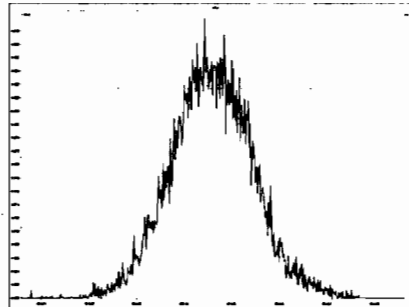
M 380.9760 R 10415



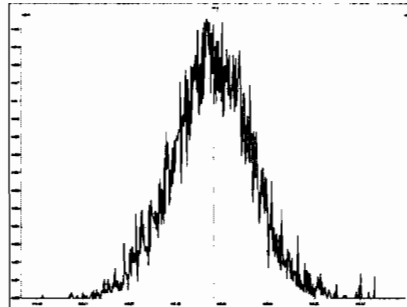
M 392.9760 R 10639



M 404.9760 R 10330



M 416.9760 R 11212



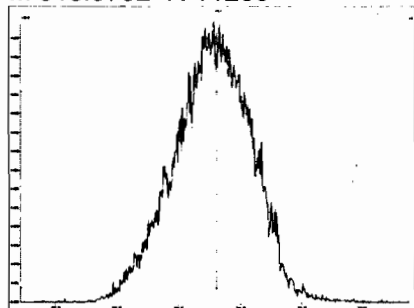
Experiment Calibration Report

MassLynx 4.1 SCN815

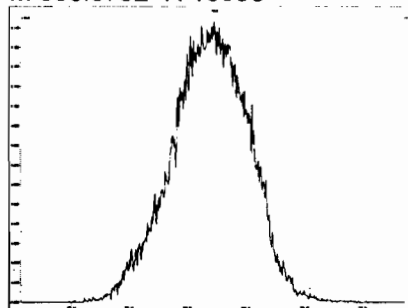
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Friday, May 22, 2020 07:27:00 Pacific Daylight Time

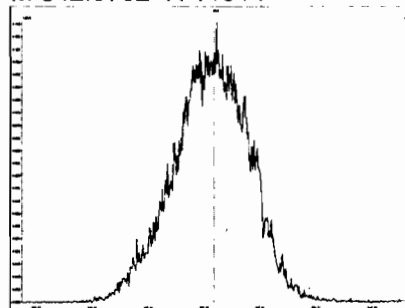
M 318.9792 R 11256



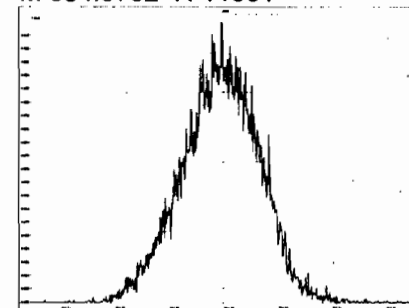
M 330.9792 R 10968



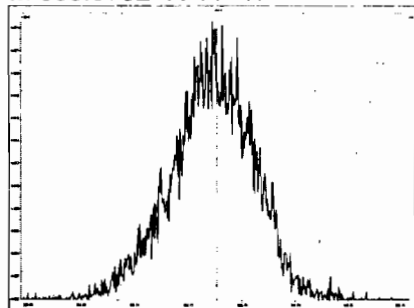
M 342.9792 R 11014



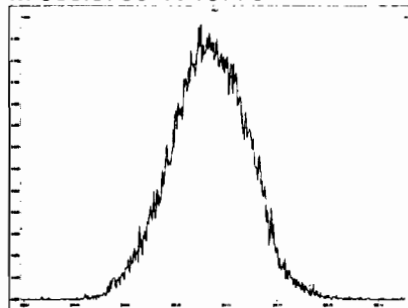
M 354.9792 R 11681



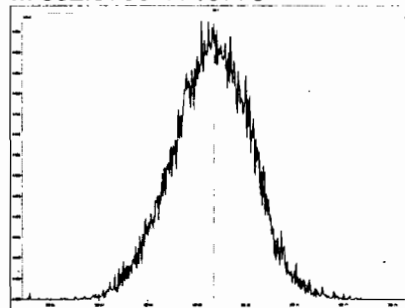
M 366.9792 R 11417



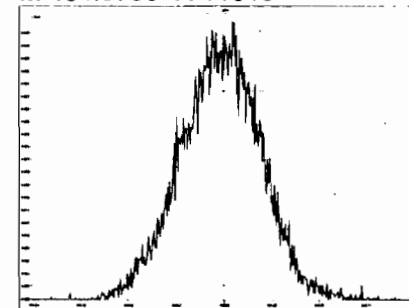
M 380.9760 R 10775



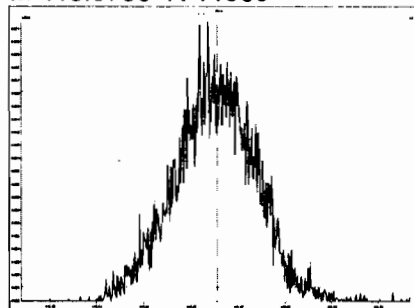
M 392.9760 R 10778



M 404.9760 R 11013



M 416.9760 R 11903



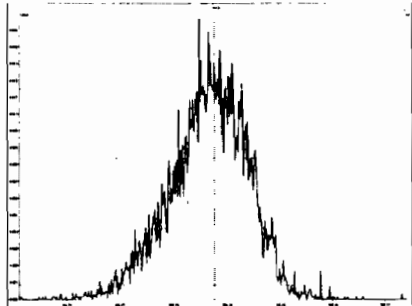
Experiment Calibration Report

MassLynx 4.1 SCN815

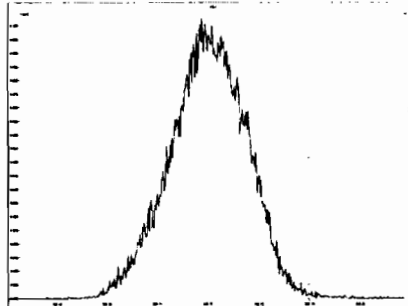
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, May 22, 2020 07:27:22 Pacific Daylight Time

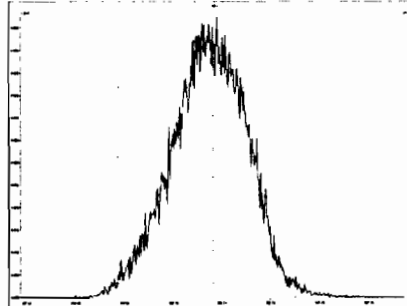
M 366.9792 R 11571



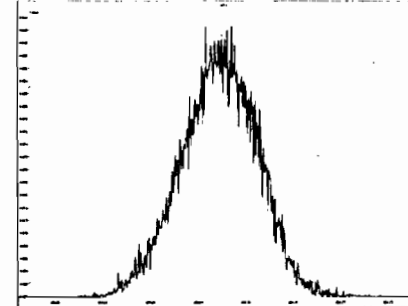
M 380.9760 R 11013



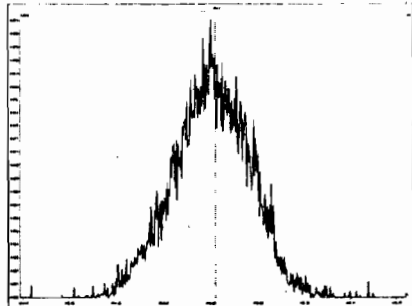
M 392.9760 R 11259



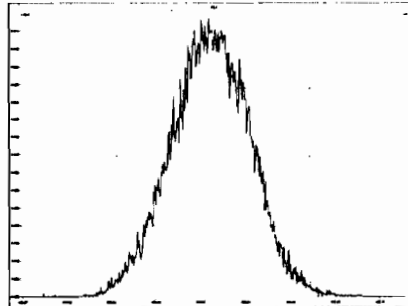
M 404.9760 R 10870



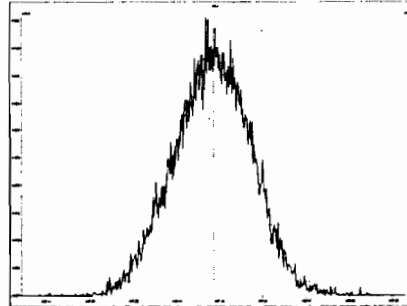
M 416.9760 R 11519



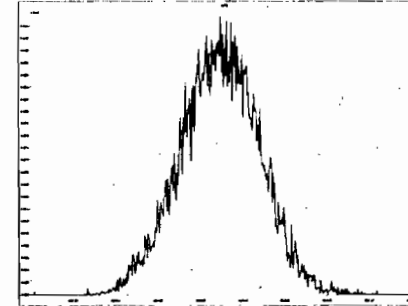
M 430.9728 R 10594



M 442.9728 R 10916



M 454.9728 R 10685



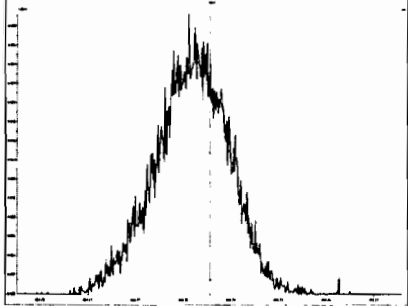
Experiment Calibration Report

MassLynx 4.1 SCN815

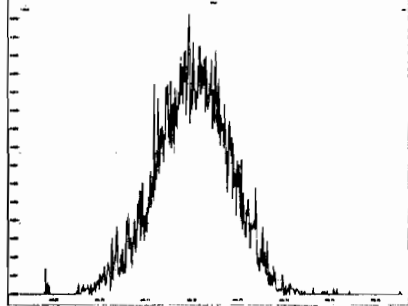
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Friday, May 22, 2020 07:27:48 Pacific Daylight Time

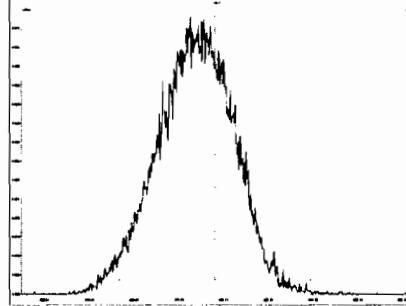
M 404.9760 R 11314



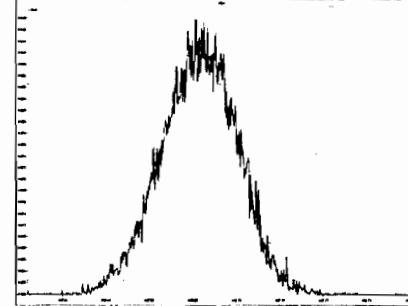
M 416.9760 R 12195



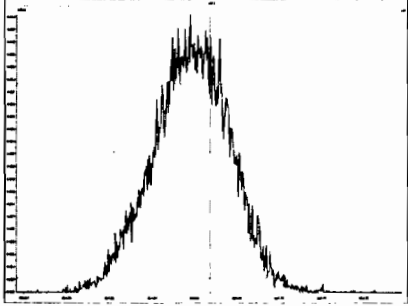
M 430.9728 R 10915



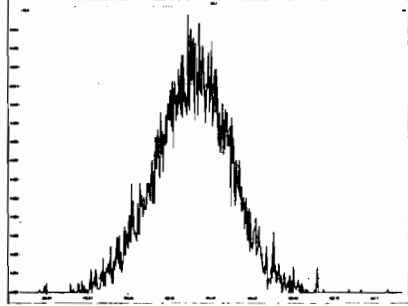
M 442.9728 R 10965



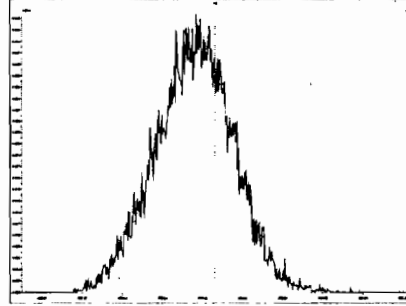
M 454.9728 R 11159



M 466.9728 R 12501



M 480.9696 R 10373



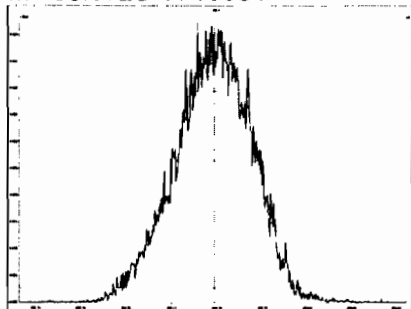
Experiment Calibration Report

MassLynx 4.1 SCN815

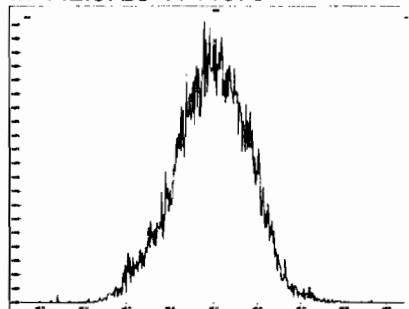
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Friday, May 22, 2020 07:28:04 Pacific Daylight Time

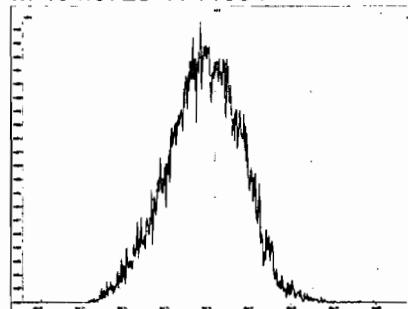
M 430.9728 R 10961



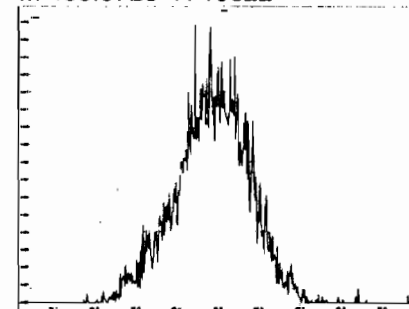
M 442.9728 R 11573



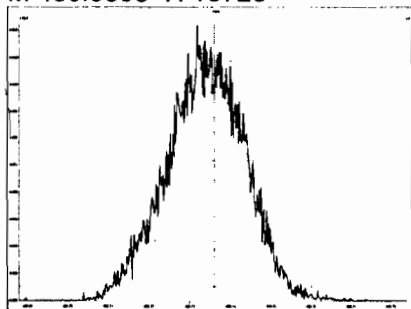
M 454.9728 R 11364



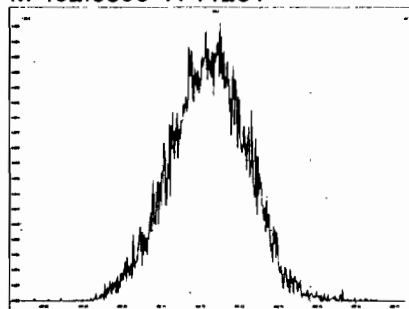
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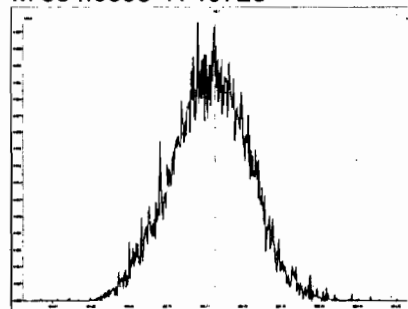
M 480.9696 R 10728



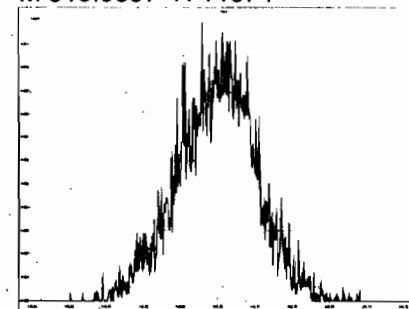
M 492.9696 R 11261



M 504.9696 R 10728



M 516.9697 R 11574



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200529R2-1

Reviewed By: CT 06/01/2020

Initials & Date

End Calibration ID: NA

	Beg.	End
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct ICAL referenced?	<u>GRB</u>	<u>GRB</u>
<u>Run Log:</u>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/> V
- Samples within 12 hour clock?	<input checked="" type="checkbox"/> Y	N
- Bottle position verified?	<u>GRB</u>	

Mass resolution \geq

5k 6-8K 8K 10K
1614 1699 429 1613/1668/8280

Intergrated peaks display correctly?

GC Break <20%

8280 CS1 End Standard:

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours

Comments:

Dataset: U:\VG12.PRO\Results\200529R2\200529R2-2.qld

Last Altered: Friday, May 29, 2020 4:01:23 PM Pacific Daylight Time
Printed: Friday, May 29, 2020 4:01:34 PM Pacific Daylight Time

GRB 05/29/2020

CT 06/01/2020

Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200529R2_2, Date: 29-May-2020, Time: 15:10:59, ID: ST200529R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	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	9.52e4	1.07e6	0.78	NO	0.888	26.59	26.57	NO	1.001	1.001	10.031	100	NO
2	2 1,2,3,7,8-PeCDD	3.71e5	8.20e5	0.61	NO	0.908	31.52	31.51	NO	1.001	1.000	49.826	99.7	NO
3	3 1,2,3,4,7,8-HxCDD	3.23e5	6.23e5	1.25	NO	1.03	34.87	34.88	NO	1.000	1.001	50.160	100	NO
4	4 1,2,3,6,7,8-HxCDD	3.65e5	8.06e5	1.24	NO	0.892	34.96	34.97	NO	1.000	1.000	50.744	101	NO
5	5 1,2,3,7,8,9-HxCDD	3.18e5	7.27e5	1.24	NO	0.887	35.26	35.26	NO	1.000	1.000	49.359	98.7	NO
6	6 1,2,3,4,6,7,8-HpCDD	2.45e5	5.70e5	1.02	NO	0.864	38.80	38.80	NO	1.000	1.000	49.735	99.5	NO
7	7 OCDD	5.08e5	1.07e6	0.89	NO	0.914	41.76	41.77	NO	1.000	1.000	104.20	104	NO
8	8 2,3,7,8-TCDF	1.09e5	1.44e6	0.74	NO	0.751	25.69	25.67	NO	1.001	1.001	10.072	101	NO
9	9 1,2,3,7,8-PeCDF	5.55e5	1.22e6	1.57	NO	0.893	30.24	30.23	NO	1.001	1.000	51.061	102	NO
10	10 2,3,4,7,8-PeCDF	5.78e5	1.20e6	1.56	NO	0.935	31.22	31.21	NO	1.001	1.000	51.355	103	NO
11	11 1,2,3,4,7,8-HxCDF	3.74e5	8.31e5	1.20	NO	0.884	33.98	33.99	NO	1.000	1.000	50.961	102	NO
12	12 1,2,3,6,7,8-HxCDF	4.33e5	9.58e5	1.21	NO	0.889	34.11	34.12	NO	1.000	1.001	50.846	102	NO
13	13 2,3,4,6,7,8-HxCDF	3.99e5	8.38e5	1.21	NO	0.934	34.72	34.71	NO	1.001	1.001	50.970	102	NO
14	14 1,2,3,7,8,9-HxCDF	3.16e5	6.97e5	1.20	NO	0.871	35.60	35.62	NO	1.000	1.001	51.985	104	NO
15	15 1,2,3,4,6,7,8-HpCDF	2.88e5	6.53e5	0.99	NO	0.873	37.42	37.40	NO	1.001	1.001	50.616	101	NO
16	16 1,2,3,4,7,8,9-HpCDF	2.33e5	4.44e5	1.00	NO	1.01	39.32	39.34	NO	1.000	1.001	51.756	104	NO
17	17 OCDF	4.98e5	1.20e6	0.87	NO	0.806	41.95	41.96	NO	1.000	1.000	103.38	103	NO
18	18 13C-2,3,7,8-TCDD	1.07e6	9.04e5	0.78	NO	1.16	26.58	26.56	NO	1.026	1.025	102.24	102	NO
19	19 13C-1,2,3,7,8-PeCDD	8.20e5	9.04e5	0.65	NO	0.849	31.78	31.50	NO	1.227	1.216	106.90	107	NO
20	20 13C-1,2,3,4,7,8-HxCDD	6.23e5	8.32e5	1.28	NO	0.779	34.86	34.86	NO	1.014	1.014	96.090	96.1	NO
21	21 13C-1,2,3,6,7,8-HxCDD	8.06e5	8.32e5	1.28	NO	1.02	34.98	34.96	NO	1.017	1.017	95.257	95.3	NO
22	22 13C-1,2,3,7,8,9-HxCDD	7.27e5	8.32e5	1.24	NO	0.903	35.25	35.25	NO	1.025	1.025	96.738	96.7	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.70e5	8.32e5	1.06	NO	0.689	38.77	38.79	NO	1.128	1.128	99.334	99.3	NO
24	24 13C-OCDD	1.07e6	8.32e5	0.86	NO	0.652	41.80	41.76	NO	1.216	1.215	196.50	98.3	NO
25	25 13C-2,3,7,8-TCDF	1.44e6	1.33e6	0.78	NO	1.06	25.62	25.66	NO	0.989	0.991	102.67	103	NO
26	26 13C-1,2,3,7,8-PeCDF	1.22e6	1.33e6	1.62	NO	0.838	30.16	30.22	NO	1.165	1.167	109.52	110	NO
27	27 13C-2,3,4,7,8-PeCDF	1.20e6	1.33e6	1.60	NO	0.817	31.12	31.19	NO	1.202	1.204	110.97	111	NO
28	28 13C-1,2,3,4,7,8-HxCDF	8.31e5	8.32e5	0.51	NO	1.01	33.99	33.98	NO	0.989	0.989	99.097	99.1	NO
29	29 13C-1,2,3,6,7,8-HxCDF	9.58e5	8.32e5	0.51	NO	1.17	34.12	34.10	NO	0.992	0.992	98.683	98.7	NO
30	30 13C-2,3,4,6,7,8-HxCDF	8.38e5	8.32e5	0.50	NO	1.02	34.69	34.69	NO	1.009	1.009	98.573	98.6	NO
31	31 13C-1,2,3,7,8,9-HxCDF	6.97e5	8.32e5	0.50	NO	0.860	35.59	35.60	NO	1.035	1.036	97.500	97.5	NO

Dataset: U:\VG12.PRO\Results\200529R2\200529R2-2.qld

Last Altered: Friday, May 29, 2020 4:01:23 PM Pacific Daylight Time

Printed: Friday, May 29, 2020 4:01:34 PM Pacific Daylight Time

Name: 200529R2_2, Date: 29-May-2020, Time: 15:10:59, ID: ST200529R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.53e5	8.32e5	0.43	NO	0.774	37.34	37.38	NO	1.086	1.087	101.26	101	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.44e5	8.32e5	0.44	NO	0.521	39.37	39.32	NO	1.145	1.144	102.45	102	NO
34	34 13C-OCDF	1.20e6	8.32e5	0.86	NO	0.746	41.97	41.95	NO	1.221	1.220	192.72	96.4	NO
35	35 37Cl-2,3,7,8-TCDD	1.03e5	9.04e5			1.04	26.61	26.57	NO	1.028	1.026	11.021	110	NO
36	36 13C-1,2,3,4-TCDD	9.04e5	9.04e5	0.80	NO	1.00	26.00	25.90	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	1.33e6	1.33e6	0.79	NO	1.00	24.36	24.22	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	8.32e5	8.32e5	0.50	NO	1.00	34.42	34.38	NO	1.000	1.000	100.00	100	YES <i>ok</i>

Dataset: Untitled

Last Altered: Monday, June 01, 2020 7:51:26 AM Pacific Daylight Time
Printed: Monday, June 01, 2020 7:51:43 AM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

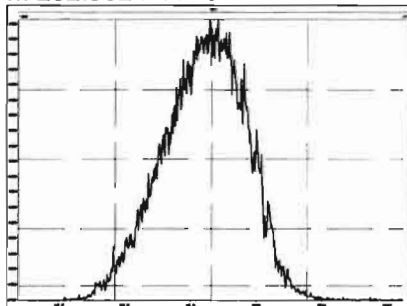
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	200529R2_1	SOLVENT BLANK	29-May-20	14:24:45
2	200529R2_2	ST200529R2_1 1613 CS3 19L2305	29-May-20	15:10:59
3	200529R2_3	1613 New NS QC	29-May-20	15:57:51
4	200529R2_4	SOLVENT BLANK	29-May-20	16:44:06
5	200529R2_5	2000957-15 PDI-149SC-A-05-06-200425 11.21	29-May-20	17:30:18
6	200529R2_6	2000957-16 PDI-149SC-A-06-07-200425 11.59	29-May-20	18:16:29
7	200529R2_7	2000957-17 PDI-149SC-A-07-08-200425 12.1	29-May-20	19:02:41
8	200529R2_8	2000957-18 PDI-149SC-A-08-09-200425 10.86	29-May-20	19:48:52
9	200529R2_9	2000957-19 PDI-149SC-A-09-10-200425 11.5	29-May-20	20:35:05
10	200529R2_10	2000957-20 PDI-149SC-A-10-11-200425 13.24	29-May-20	21:21:16
11	200529R2_11	2000957-11@2X PDI-147SC-A-13-14-200425 ...	29-May-20	22:07:28
12	200529R2_12	2000912-08RE3 PC-3S 12.56	29-May-20	22:53:41
13	200529R2_13	2000912-12RE3 PC-1S 11.93	29-May-20	23:39:51
14	200529R2_14	2000912-12RE3@75X PC-1S 11.93	30-May-20	00:26:04
15	200529R2_15	2000912-12RE3@100X PC-1S 11.93	30-May-20	01:12:16

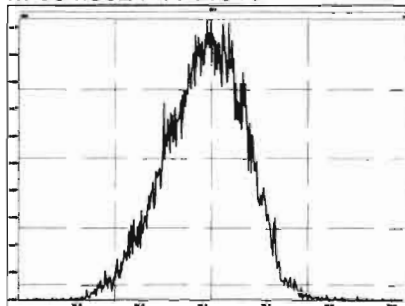
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Friday, May 29, 2020 14:21:54 Pacific Daylight Time

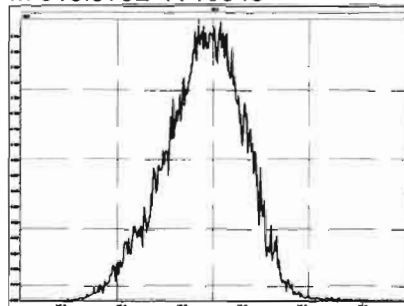
M 292.9824 R 10774



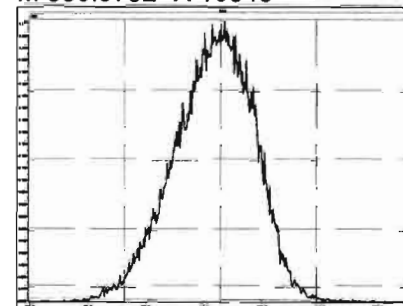
M 304.9824 R 11015



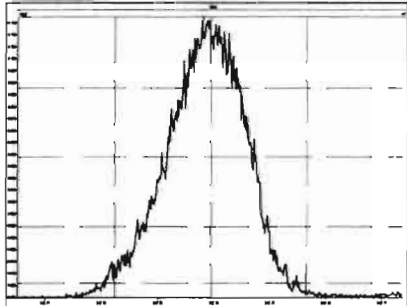
M 318.9792 R 10548



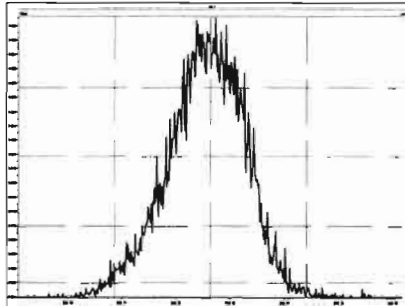
M 330.9792 R 10546



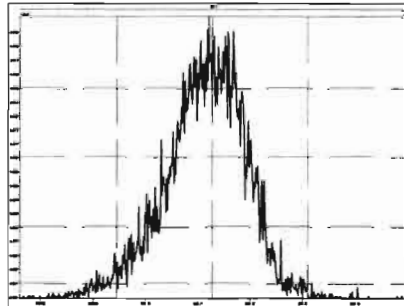
M 342.9792 R 10593



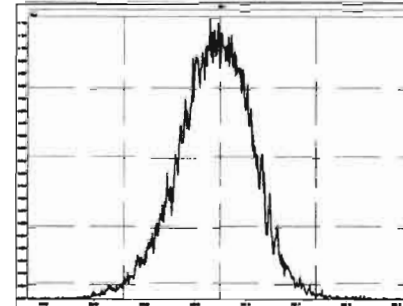
M 354.9792 R 10915



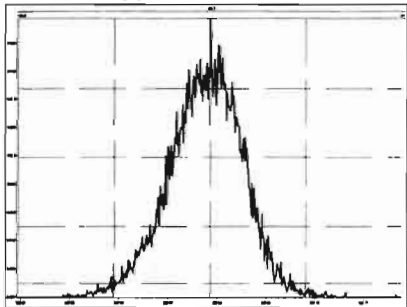
M 366.9792 R 12377



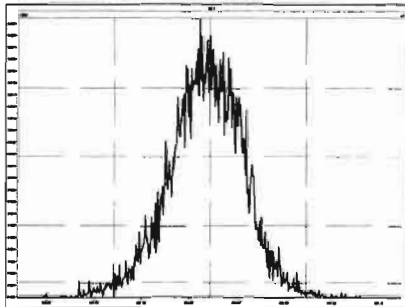
M 380.9760 R 11160



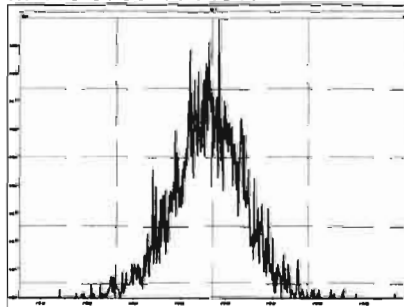
M 392.9760 R 11314



M 404.9760 R 12135



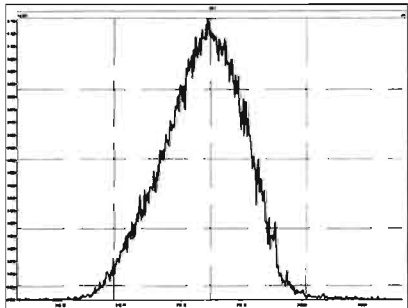
M 416.9760 R 14617



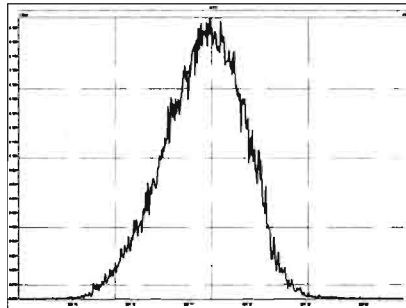
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Friday, May 29, 2020 14:22:14 Pacific Daylight Time

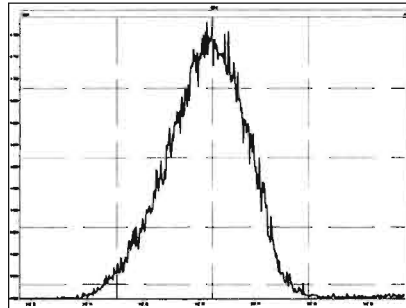
M 318.9792 R 10594



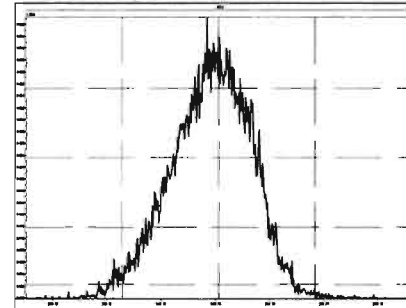
M 330.9792 R 10507



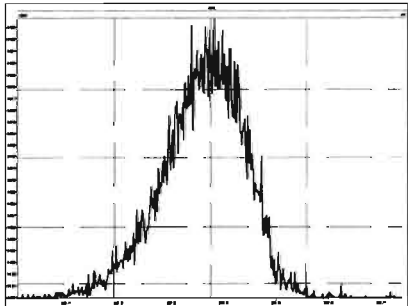
M 342.9792 R 10418



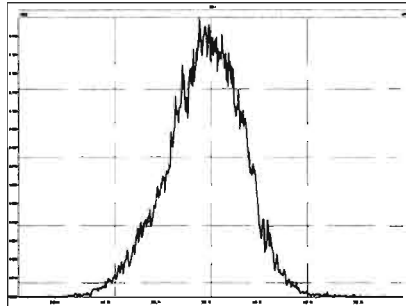
M 354.9792 R 11061



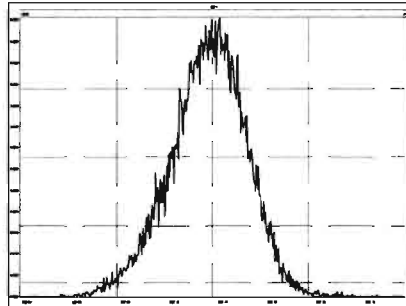
M 366.9792 R 11063



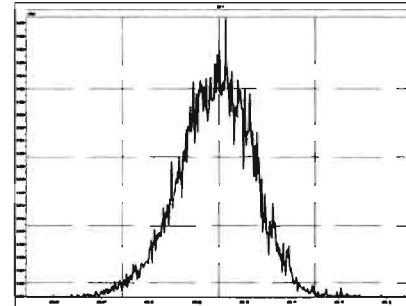
M 380.9760 R 10729



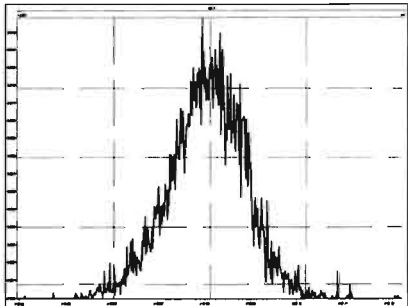
M 392.9760 R 11163



M 404.9760 R 11364



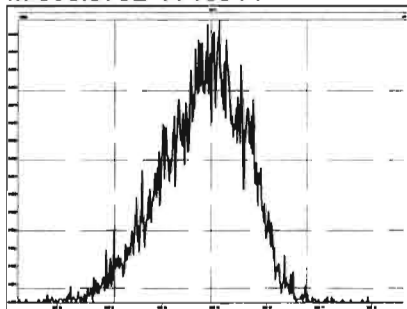
M 416.9760 R 11851



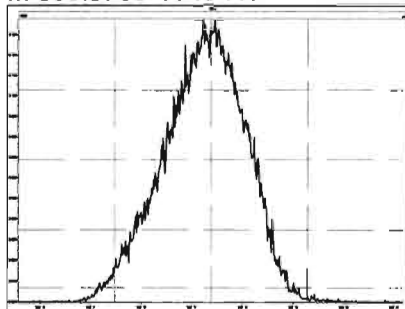
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, May 29, 2020 14:22:32 Pacific Daylight Time

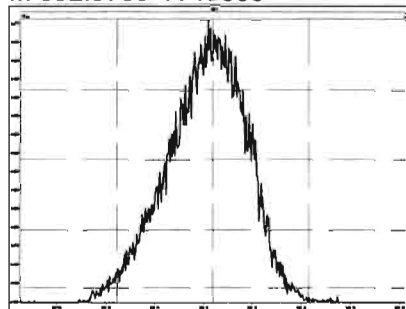
M 366.9792 R 10914



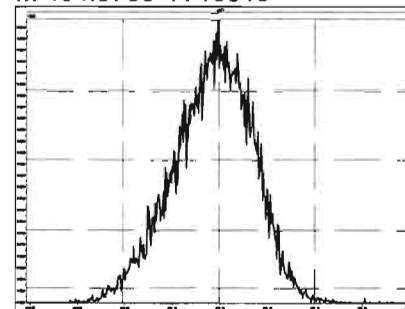
M 380.9760 R 10417



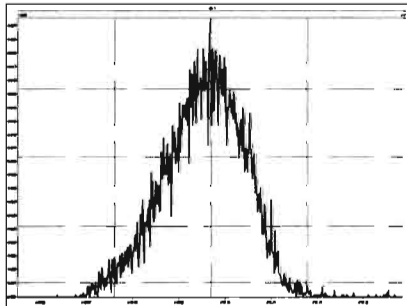
M 392.9760 R 10868



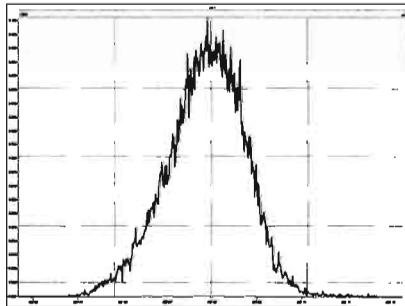
M 404.9760 R 10819



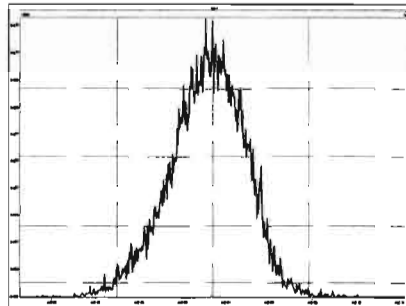
M 416.9760 R 10964



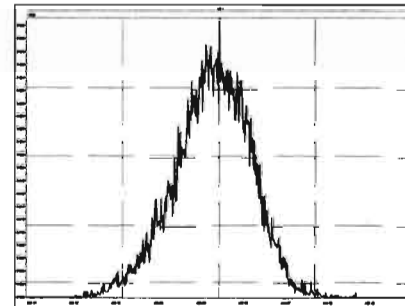
M 430.9728 R 10685



M 442.9728 R 11363



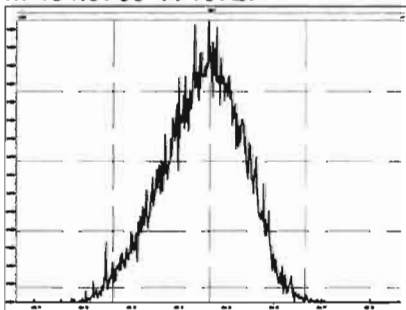
M 454.9728 R 11794



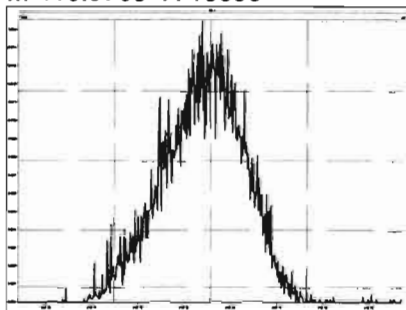
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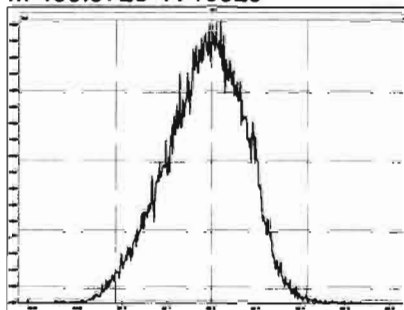
M 404.9760 R 10727



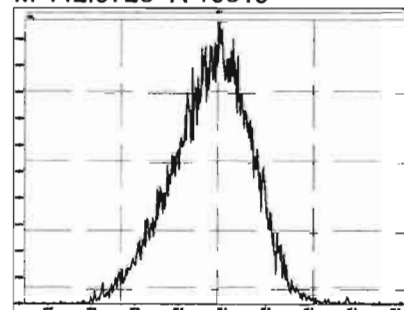
M 416.9760 R 10593



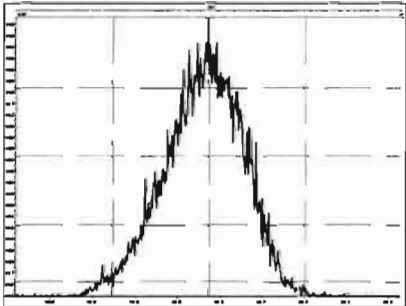
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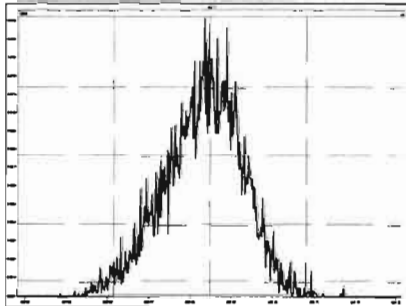
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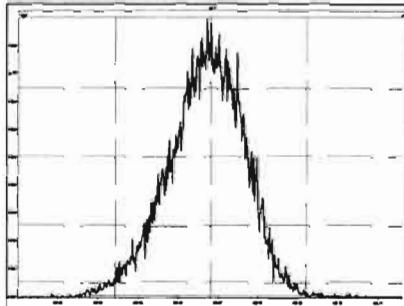
M 454.9728 R 11311



M 466.9728 R 11313



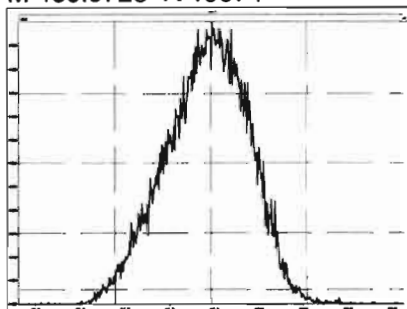
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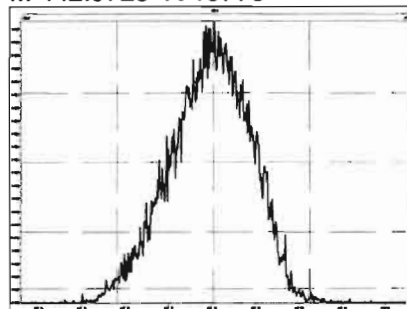
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Friday, May 29, 2020 14:23:07 Pacific Daylight Time

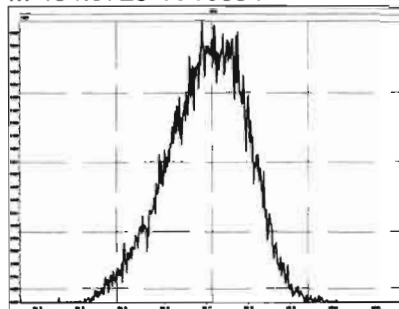
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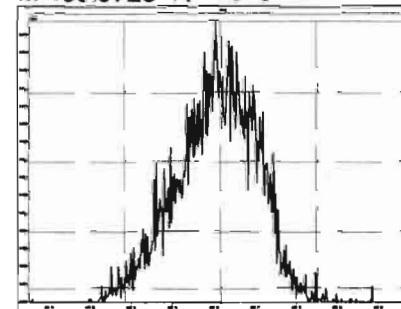
M 442.9728 R 10775



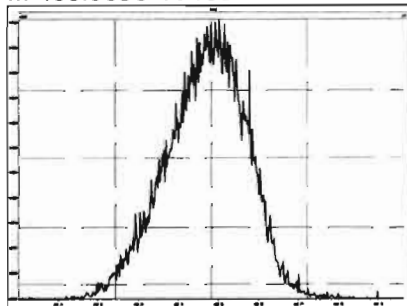
M 454.9728 R 10594



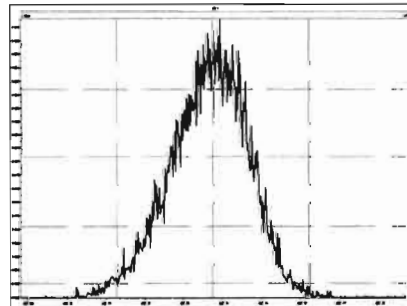
M 466.9728 R 11013



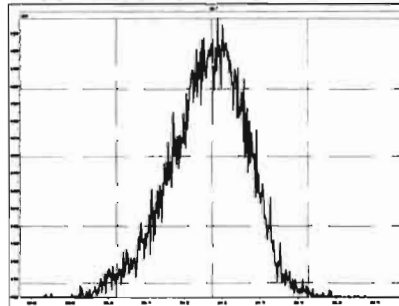
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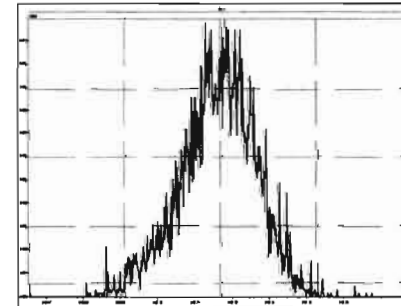
M 492.9696 R 10414



M 504.9696 R 11110



M 516.9697 R 12684



Dataset: U:\VG12.PRO\Results\200529R2\200529R2-CPSM.qld

Last Altered: Friday, May 29, 2020 3:59:40 PM Pacific Daylight Time

Printed: Friday, May 29, 2020 4:04:12 PM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 26 May 2020 10:39:11

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

ID: ST200529R2_2; Name: 200529R2_2; Date: 29-May-2020, Time: 15:10:59, ID: ST200529R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1,3,6,8-TCDD (First)	22.58
2	1,2,8,9-TCDD (Last)	27.52
3	1,2,4,7,9-PeCDD (First)	29.30
4	1,2,3,8,9-PeCDD (Last)	31.89
5	1,2,4,6,7,9-HxCDD (First)	33.37
6	1,2,3,7,8,9-HxCDD (Last)	35.26
7	1,2,3,4,6,7,9-HpCDD (First)	37.80
8	1,2,3,4,6,7,8-HpCDD (Last)	38.80
9	1,3,6,8-TCDF (First)	20.42
10	1,2,8,9-TCDF (Last)	27.68
11	1,3,4,6,8-PeCDF (First)	27.62
12	1,2,3,8,9-PeCDF (Last)	32.14
13	1,2,3,4,6,8-HxCDF (First)	32.82
14	1,2,3,7,8,9-HxCDF (Last)	35.62
15	1,2,3,4,6,7,8-HpCDF (First)	37.40
16	1,2,3,4,7,8,9-HpCDF (Last)	39.34

Dataset: U:\VG12.PRO\Results\200529R2\200529R2-CPSM.qld

Last Altered: Friday, May 29, 2020 3:59:40 PM Pacific Daylight Time
Printed: Friday, May 29, 2020 4:04:12 PM Pacific Daylight Time

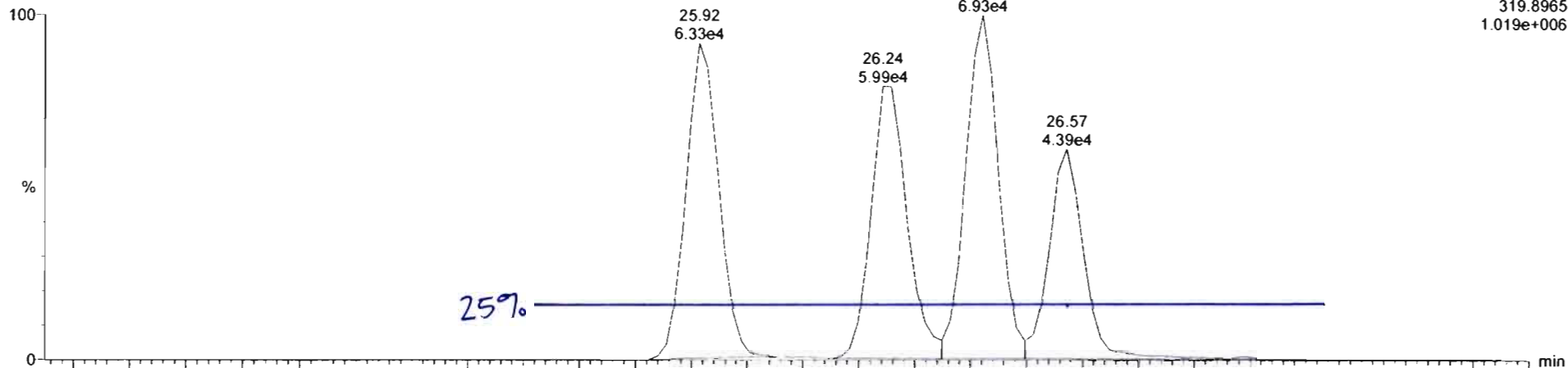
GRB 05/29/2020

Method: U:\VG12.PRO\MethDB\CPSM.mdb 26 May 2020 10:39:11
Calibration: U:\VG12.PRO\CurveDB\cb5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

ID: ST200529R2_2; Date: 29 May 2020; Time: 15:10:59; ID: ST200529R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

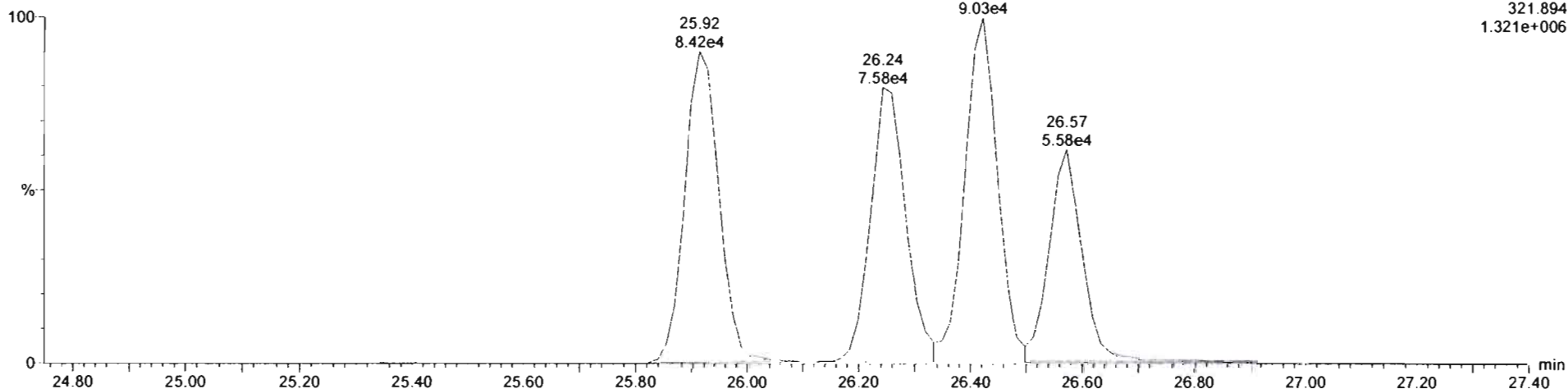
1,3,6,8-TCDD (First)
200529R2_2

F1: Voltage SIR, EI+
319.8965
1.019e+006



200529R2_2

F1: Voltage SIR, EI+
321.894
1.321e+006



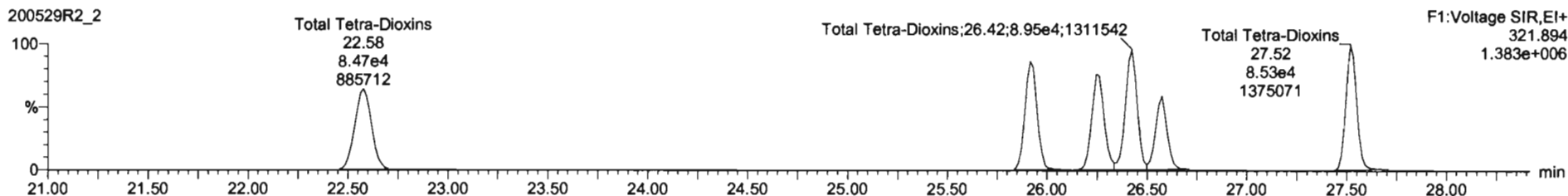
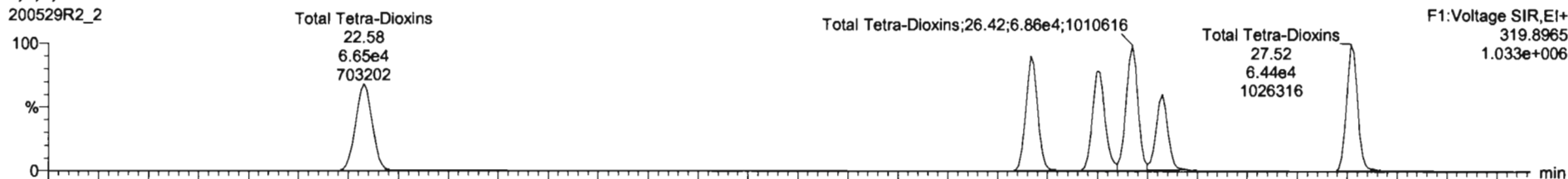
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Printed: Friday, May 29, 2020 3:59:18 PM Pacific Daylight Time

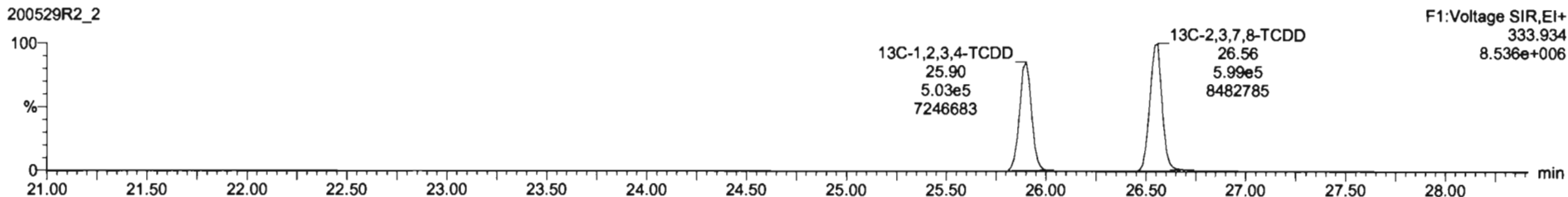
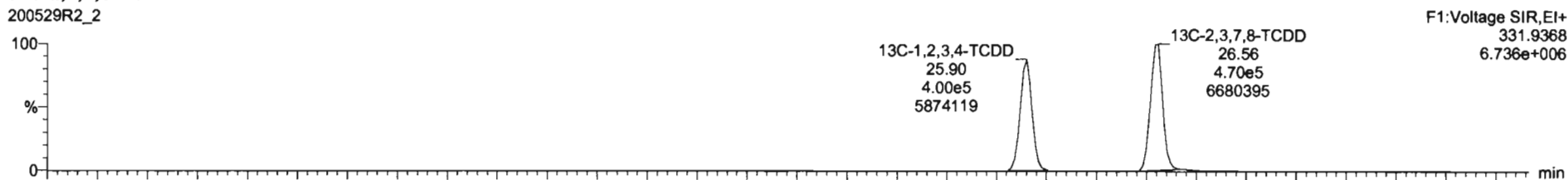
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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200529R2_2, Date: 29-May-2020, Time: 15:10:59, ID: ST200529R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDD



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



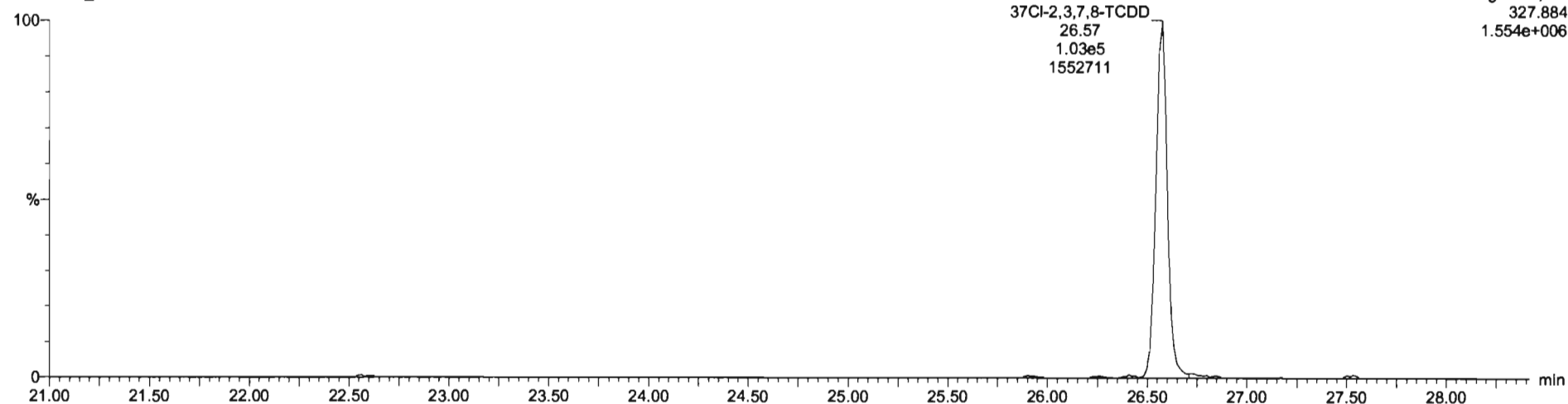
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Name: 200529R2_2, Date: 29-May-2020, Time: 15:10:59, ID: ST200529R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

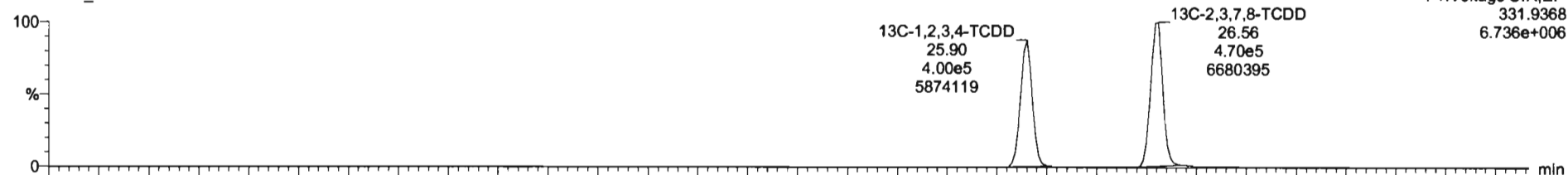
37Cl-2,3,7,8-TCDD

200529R2_2

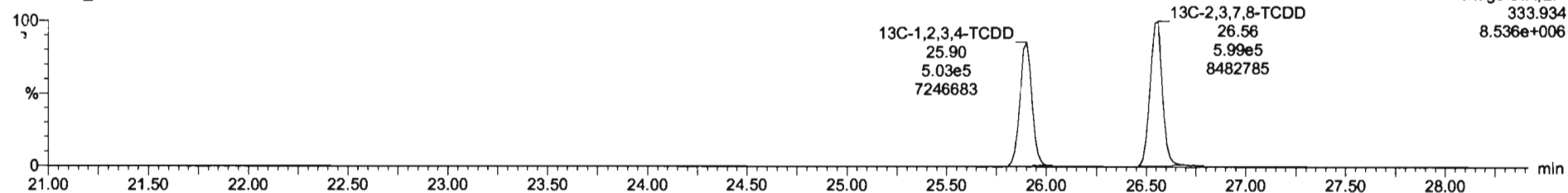


13C-1,2,3,4-TCDD

200529R2_2



200529R2_2



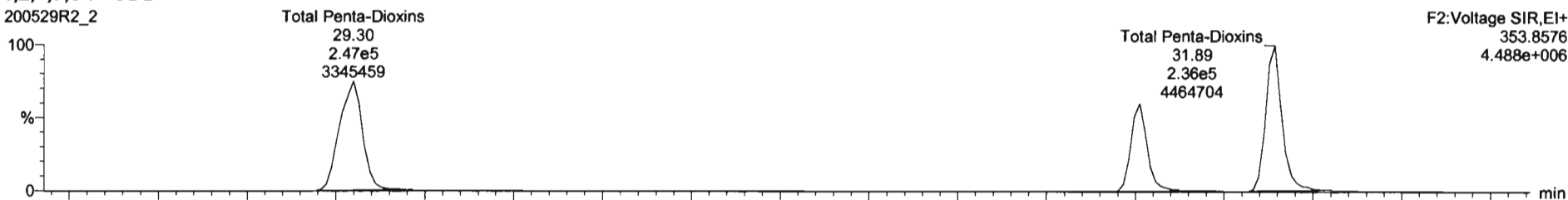
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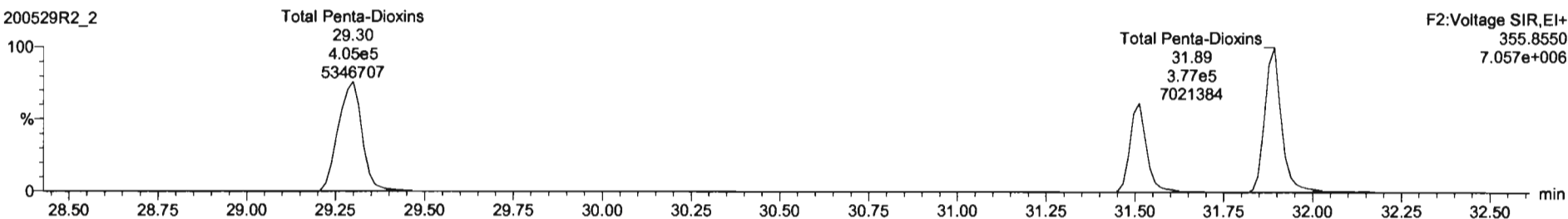
Name: 200529R2_2, Date: 29-May-2020, Time: 15:10:59, ID: ST200529R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,2,3,7,8-PeCDD

200529R2_2

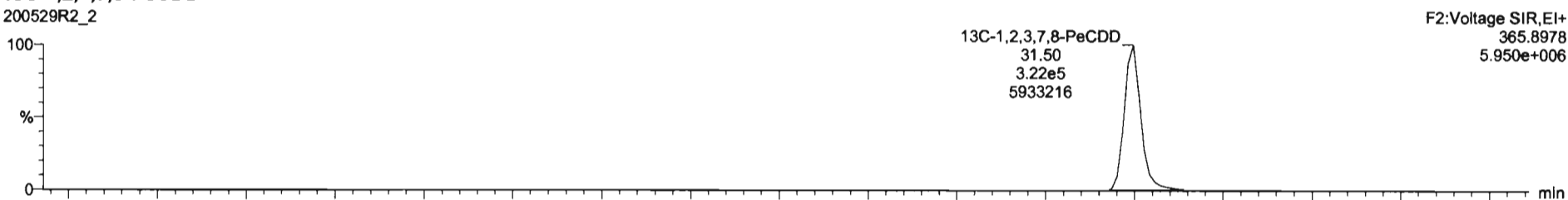


200529R2_2

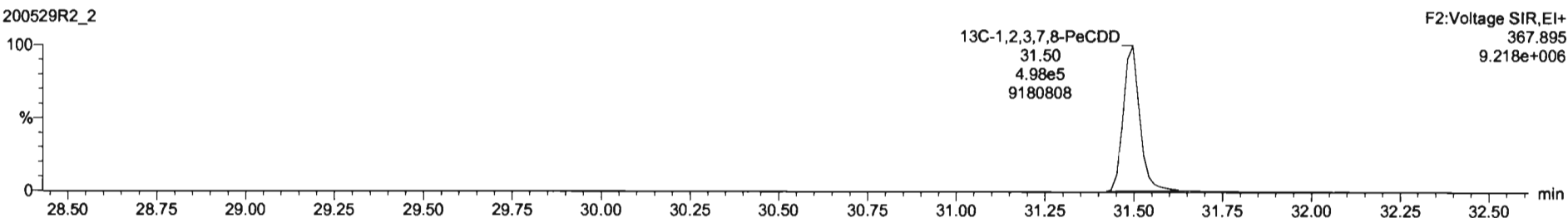


13C-1,2,3,7,8-PeCDD

200529R2_2



200529R2_2



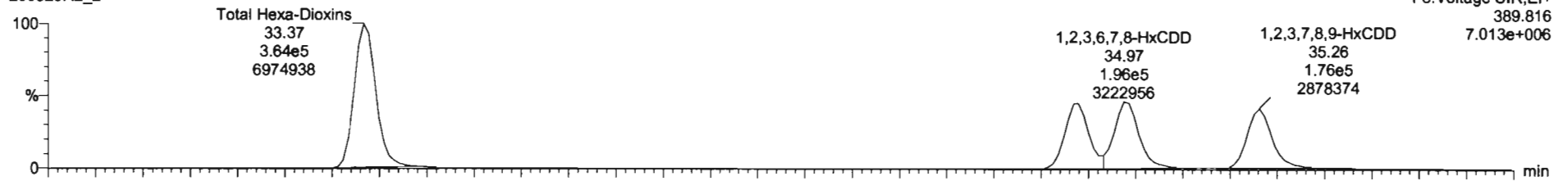
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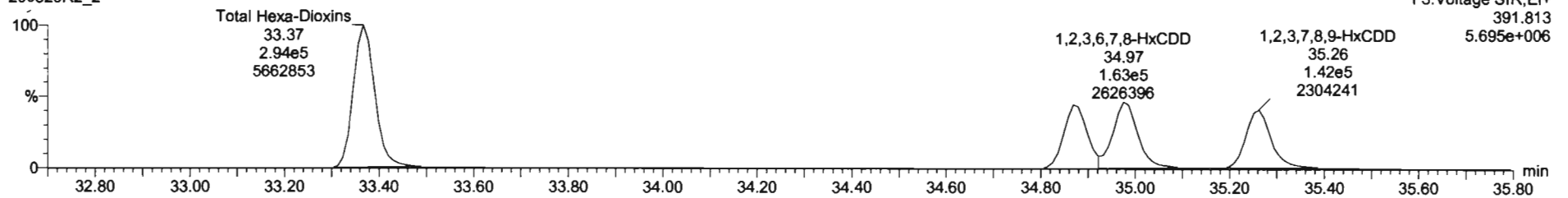
Name: 200529R2_2, Date: 29-May-2020, Time: 15:10:59, ID: ST200529R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200529R2_2

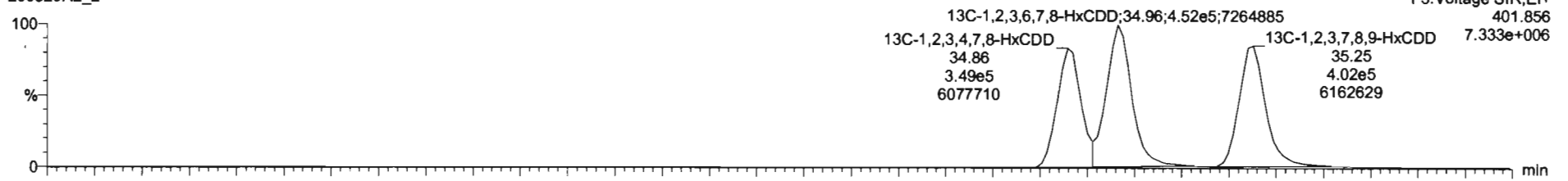


200529R2_2

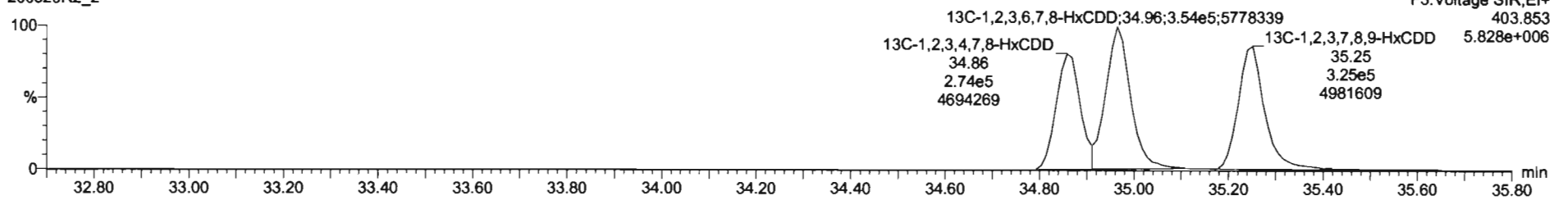


13C-1,2,3,4,7,8-HxCDD

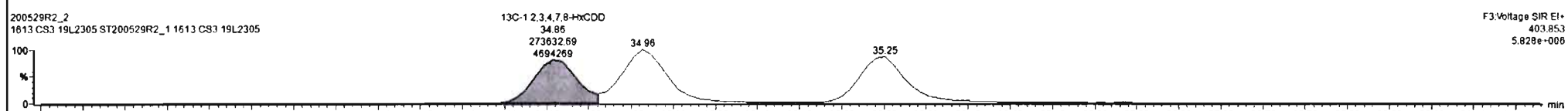
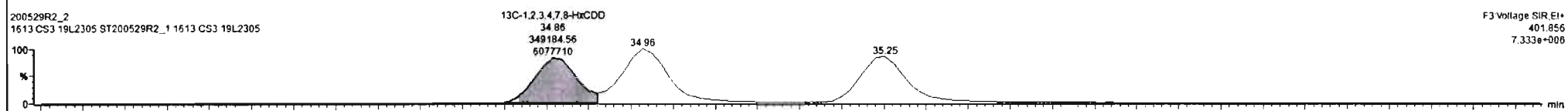
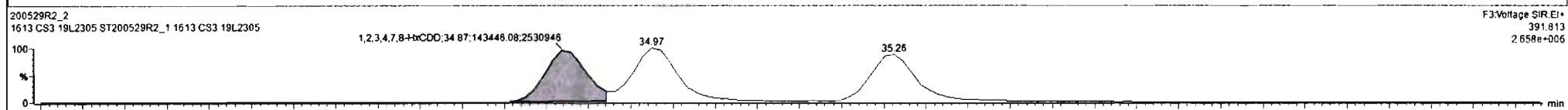
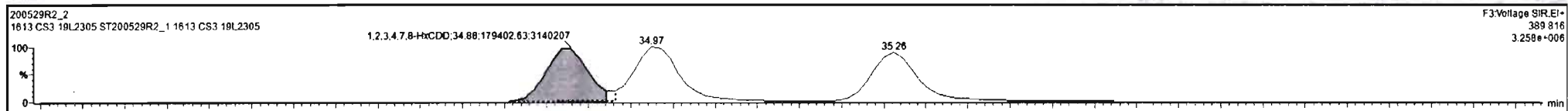
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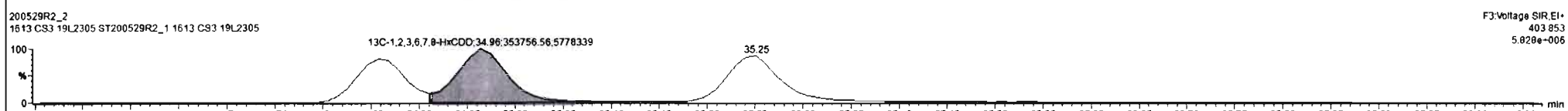
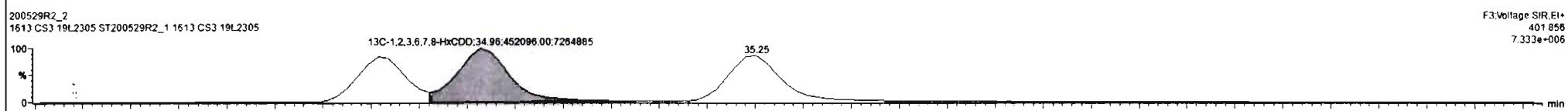
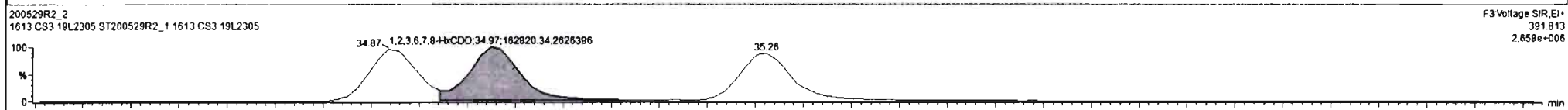
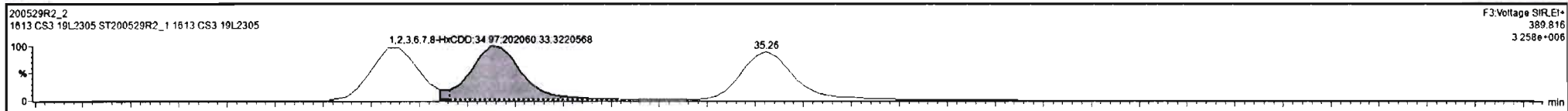
200529R2_2



#	Name	Resp	IS Resp	Prod RA	RA	nty	RRF	Prod.RT	RT	RT Flag	Prod.RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	8.52e4	1.07e5	0.77	0.78	NO	0.8883	28.59	28.57	NO	1.001	1.001	10.0	100	NO
2	1,2,3,7,8-PeCDD	3.71e5	8.20e5	0.63	0.61	NO	0.9061	31.52	31.51	NO	1.001	1.000	49.8	98.7	NO
3	1,2,3,4,7,8-HxCDD	2.23e5	8.23e5	1.26	1.25	NO	1.0334	34.87	34.86	NO	1.000	1.001	58.2	100	NO
4	1,2,3,6,7,8-HxCDD	3.50e5	8.06e5	1.24	1.20	NO	0.8923	34.96	34.97	NO	1.000	1.000	49.8	98.7	NO
5	1,2,3,7,8,9-HxCDD	3.18e5	7.27e5	1.24	1.24	NO	0.8869	35.28	35.28	NO	1.000	1.000	49.4	98.7	NO
6	1,2,3,4,6,7,8-HpCDD	2.50e5	5.70e5	1.04	0.96	NO	0.8639	38.80	38.80	NO	1.000	1.000	50.8	102	NO
7	OCDD	5.08e5	1.07e6	0.89	0.89	NO	0.9136	41.78	41.77	NO	1.000	1.000	104	104	NO
8	2,3,7,8-TCDF	1.09e5	1.44e6	0.77	0.74	NO	0.7510	25.69	25.67	NO	1.001	1.001	10.1	101	NO
9	1,2,3,7,8-PeCDF	5.55e5	1.22e6	1.55	1.57	NO	0.8925	30.24	30.23	NO	1.001	1.000	51.1	102	NO
10	1,2,3,4,7,8-PeCDF	5.78e5	1.20e6	1.55	1.58	NO	0.9348	31.22	31.21	NO	1.001	1.000	51.4	103	NO
11	1,2,3,4,7,8-HxCDF	3.74e5	8.31e5	1.24	1.20	NO	0.8845	33.96	33.98	NO	1.000	1.000	51.0	102	NO
12	1,2,3,6,7,8-HxCDF	4.33e5	9.58e5	1.24	1.21	NO	0.8892	34.11	34.12	NO	1.000	1.001	50.8	102	NO
13	2,3,4,6,7,8-HxCDF	3.99e5	8.38e5	1.24	1.21	NO	0.9341	34.72	34.71	NO	1.001	1.001	51.0	102	NO
14	1,2,3,7,8,9-HxCDF	3.16e5	8.97e5	1.24	1.20	NO	0.8707	35.60	35.62	NO	1.000	1.001	52.0	104	NO
15	1,2,3,4,6,7,8-HpCDF	2.88e5	6.53e5	1.04	0.99	NO	0.8734	37.42	37.40	NO	1.001	1.001	50.8	101	NO
16	1,2,3,4,7,8,9-HpCDF	2.38e5	4.44e5	1.04	1.00	NO	1.0128	39.32	39.34	NO	1.000	1.001	53.1	106	NO
17	OCDF	4.86e5	1.20e6	0.89	0.87	NO	0.8065	41.95	41.98	NO	1.000	1.000	103	103	NO
18	13C-2,3,7,8-TCDD	1.07e6	9.04e5	0.77	0.78	NO	1.1563	26.58	26.56	NO	1.025	1.025	102	102	NO
19	13C-1,2,3,7,8-PeCDD	8.20e5	8.04e5	0.63	0.65	NO	0.8490	31.78	31.50	NO	1.227	1.216	107	107	NO
20	13C-1,2,3,4,7,8-HxCDD	8.23e5	8.12e5	1.24	1.28	NO	0.7700	34.88	34.88	NO	1.014	1.014	98.1	98.1	NO



#	Name	Resp	IS Resp	Pred RA	RA	rv	RP	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Calc	%Rec	STD out
1	1,2,3,7,8-TCDD	8.52e4	1.97e5	0.77	0.78	NO	0.8883	26.59	26.57	NO	1.001	1.001	10.0	100	NO
2	1,2,3,7,8-PeCDD	3.71e5	8.20e5	0.63	0.61	NO	0.9081	31.52	31.51	NO	1.001	1.000	49.8	99.7	NO
3	1,2,3,4,6,7,8-HxCDD	1.23e5	6.23e5	1.24	1.25	NO	1.0334	34.87	34.88	NO	1.000	1.001	50.2	100	NO
4	1,2,3,6,7,8-HxCDD	3.69e5	8.89e5	1.24	1.24	NO	0.8883	34.88	34.87	NO	1.000	1.000	98.7	191	NO
5	1,2,3,7,8,9-HxCDD	3.18e5	7.27e5	1.24	1.24	NO	0.8889	35.28	35.28	NO	1.000	1.000	49.4	98.7	NO
6	1,2,3,4,6,7,8-HpCDD	2.50e5	5.70e5	1.04	0.98	NO	0.8639	38.80	38.80	NO	1.000	1.000	50.8	102	NO
7	OCDD	5.08e5	1.07e6	0.89	0.89	NO	0.9136	41.76	41.77	NO	1.000	1.000	104	104	NO
8	2,3,7,8-TCDF	1.09e5	1.44e6	0.77	0.74	NO	0.7510	25.69	25.87	NO	1.001	1.001	10.1	101	NO
9	1,2,3,7,8-PeCDF	5.55e5	1.22e6	1.55	1.57	NO	0.8925	30.24	30.23	NO	1.001	1.000	51.1	102	NO
10	2,3,4,7,8-PeCDF	5.78e5	1.20e6	1.55	1.56	NO	0.9348	31.22	31.21	NO	1.001	1.000	51.4	103	NO
11	1,2,3,4,7,8-HxCDF	3.74e5	8.31e5	1.24	1.20	NO	0.8845	33.98	33.99	NO	1.000	1.000	51.0	102	NO
12	1,2,3,6,7,8-HxCDF	4.33e5	9.58e5	1.24	1.21	NO	0.8892	34.11	34.12	NO	1.000	1.001	50.8	102	NO
13	2,3,4,6,7,8-HxCDF	3.99e5	8.36e5	1.24	1.21	NO	0.9341	34.72	34.71	NO	1.001	1.001	51.0	102	NO
14	1,2,3,4,7,8-HpCDF	3.16e5	6.97e5	1.24	1.20	NO	0.8707	35.60	35.62	NO	1.000	1.001	52.0	104	NO
15	1,2,3,4,6,7,8-HpCDF	2.88e5	6.53e5	1.04	0.99	NO	0.8734	37.42	37.40	NO	1.001	1.001	50.6	101	NO
16	1,2,3,4,7,8,9-HpCDF	2.39e5	4.44e5	1.04	1.00	NO	1.0128	39.32	39.34	NO	1.000	1.001	53.1	106	NO
17	OCDF	4.98e5	1.20e6	0.89	0.87	NO	0.8065	41.95	41.86	NO	1.000	1.000	103	103	NO
18	13C-2,3,7,8-TCDD	1.07e6	9.04e5	0.77	0.78	NO	1.1563	26.58	26.56	NO	1.026	1.025	102	102	NO
19	13C-1,2,3,7,8-PeCDD	8.20e5	9.04e5	0.63	0.65	NO	0.8490	31.78	31.50	NO	1.227	1.216	107	107	NO
20	13C-1,2,3,7,8-HxCDD	8.27e5	8.17e5	1.24	1.24	NO	0.7790	34.88	34.88	NO	1.014	1.014	98.1	98.1	NO



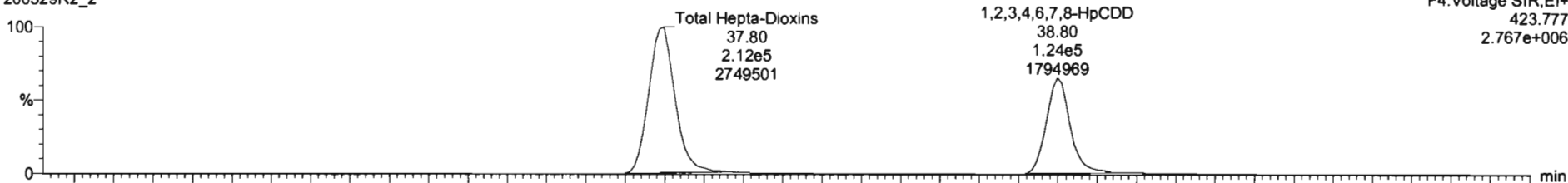
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Printed: Friday, May 29, 2020 3:59:18 PM Pacific Daylight Time

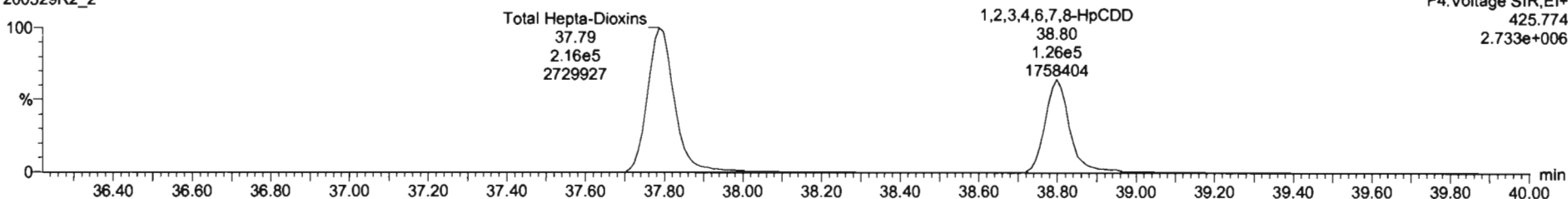
Name: 200529R2_2, Date: 29-May-2020, Time: 15:10:59, ID: ST200529R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200529R2_2

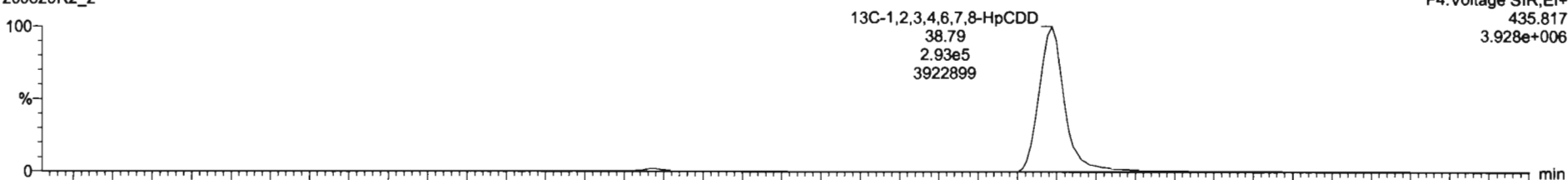


200529R2_2

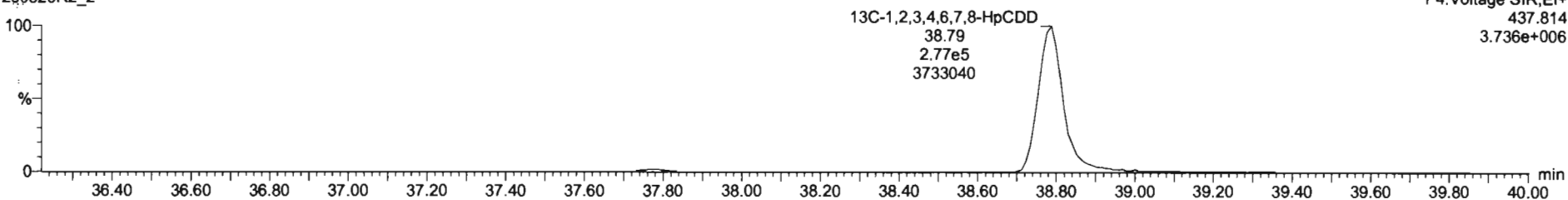


13C-1,2,3,4,6,7,8-HpCDD

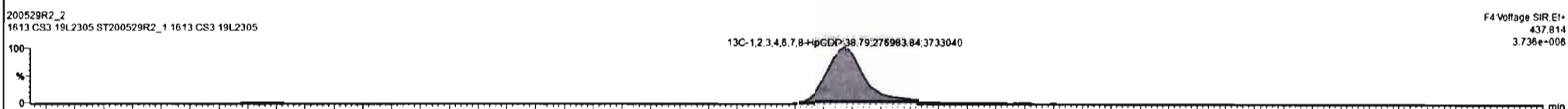
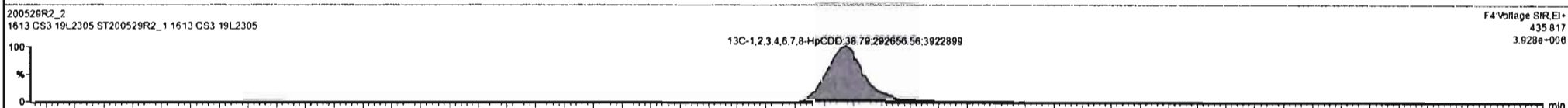
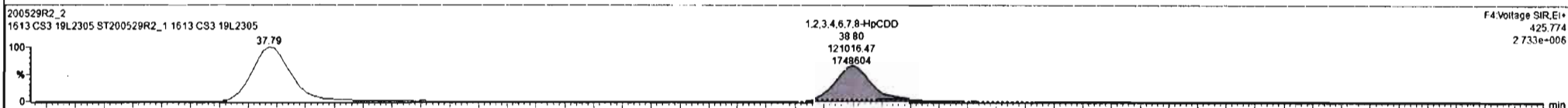
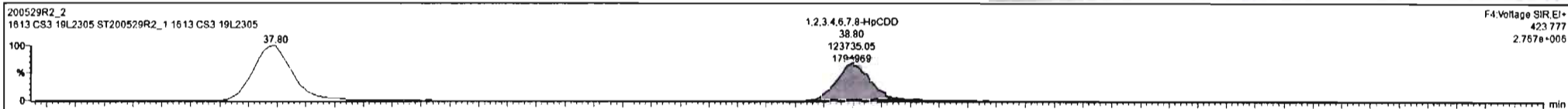
200529R2_2



200529R2_2



#	Name	Resp	S Resp	Prod RA	RA	n/y	RSP	Prod.RT	RT	RT.Tag	Prod.PRT	RRT	Conc	%RSD	STD
1	1,2,3,7,8-TCDD	9.52e4	1.97e5	0.77	0.78	NO	0.8883	26.58	26.57	NO	1.001	1.001	10.0	100	NO
2	1,2,3,7,8-PeCDD	3.71e5	8.20e5	0.63	0.61	NO	0.9081	31.52	31.51	NO	1.001	1.000	49.8	99.7	NO
3	1,2,3,4,7,8-HxCDD	3.23e5	6.23e5	1.24	1.25	NO	1.0334	34.87	34.88	NO	1.000	1.001	50.2	100	NO
4	1,2,3,6,7,8-HxCDD	3.65e5	8.06e5	1.24	1.24	NO	0.8923	34.96	34.97	NO	1.000	1.000	50.7	101	NO
5	1,2,3,7,8,9-HxCDD	3.10e5	7.27e5	1.24	1.24	NO	0.8869	35.26	35.26	NO	1.000	1.000	49.4	98.7	NO
6	1,2,3,4,6,7,8-HpCDD	2.45e5	5.79e5	1.04	1.02	NO	0.8058	38.80	38.80	NO	1.000	1.000	49.7	98.5	NO
7	OCDD	5.08e5	1.07e6	0.89	0.89	NO	0.9136	41.76	41.77	NO	1.000	1.000	104	104	NO
8	1,2,3,7,8-TCDF	1.09e5	1.44e6	0.77	0.74	NO	0.7510	25.69	25.67	NO	1.001	1.001	10.1	101	NO
9	1,2,3,7,8-PeCDF	5.55e5	1.22e6	1.55	1.57	NO	0.8925	30.24	30.23	NO	1.001	1.000	51.1	102	NO
10	1,2,3,4,7,8-HpCDF	5.78e5	1.20e6	1.55	1.56	NO	0.9348	31.22	31.21	NO	1.001	1.000	51.4	103	NO
11	1,2,3,4,7,8-HxCDF	3.74e5	8.31e5	1.24	1.20	NO	0.8845	33.96	33.99	NO	1.000	1.000	51.0	102	NO
12	1,2,3,6,7,8-HxCDF	4.33e5	9.58e5	1.24	1.21	NO	0.8892	34.11	34.12	NO	1.000	1.001	50.8	102	NO
13	1,2,3,4,8,7,8-HxCDF	3.99e5	8.38e5	1.24	1.21	NO	0.9341	34.72	34.71	NO	1.001	1.001	51.0	102	NO
14	1,2,3,7,8,9-HxCDF	3.16e5	8.97e5	1.24	1.20	NO	0.8707	35.69	35.62	NO	1.000	1.001	52.0	104	NO
15	1,2,3,4,6,7,8-HpCDF	2.88e5	6.53e5	1.04	0.99	NO	0.8734	37.42	37.40	NO	1.001	1.001	50.6	101	NO
16	1,2,3,4,7,8,9-HpCDF	2.39e5	4.44e5	1.04	1.00	NO	1.0128	39.32	39.34	NO	1.000	1.001	53.1	106	NO
17	OCDF	4.98e5	1.20e6	0.89	0.87	NO	0.8065	41.95	41.96	NO	1.000	1.000	103	103	NO
18	13C-1,2,3,7,8-TCDD	1.07e6	9.04e5	0.77	0.78	NO	1.1563	26.56	26.56	NO	1.026	1.025	102	102	NO
19	13C-1,2,3,7,8-PeCDD	8.20e5	9.04e5	0.63	0.65	NO	0.8490	31.78	31.50	NO	1.227	1.216	107	107	NO
20	13C-1,2,3,4,7,8-HpCDD	8.25e5	8.97e5	1.24	1.20	NO	0.7790	34.86	34.86	NO	1.014	1.014	98.1	98.1	NO



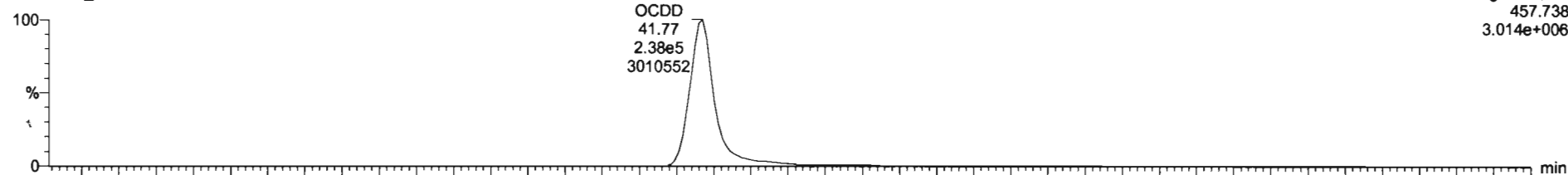
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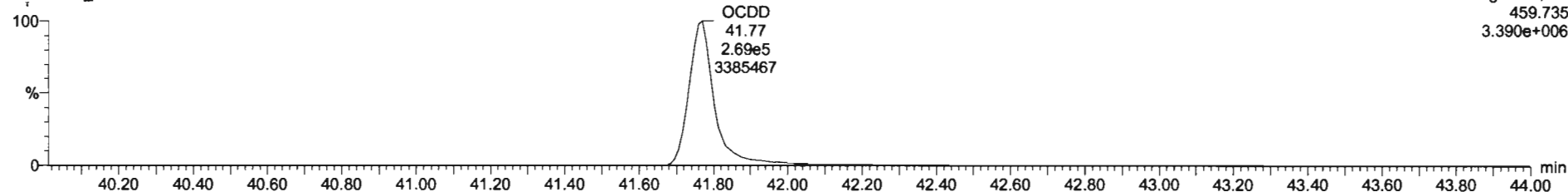
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OCDD

200529R2_2

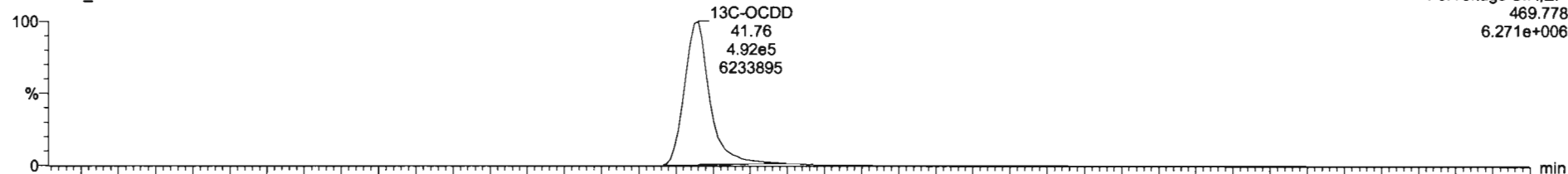


200529R2_2

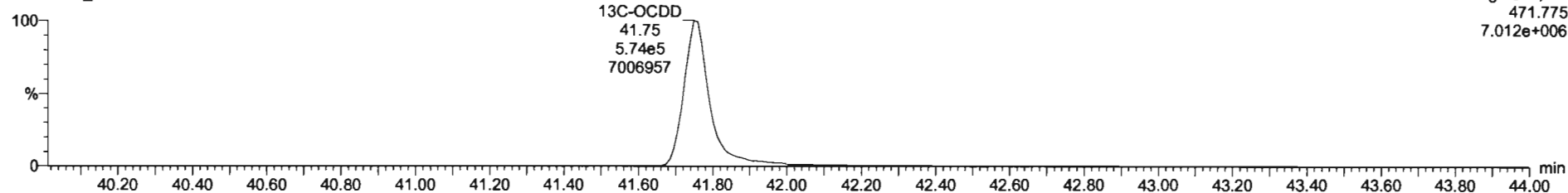


13C-OCDD

200529R2_2



200529R2_2



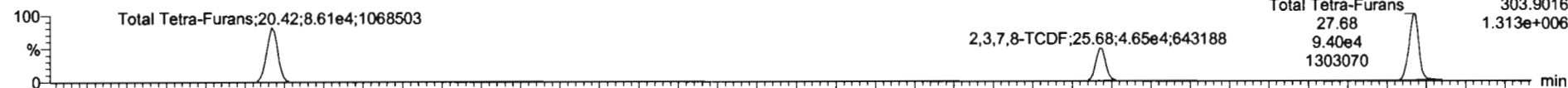
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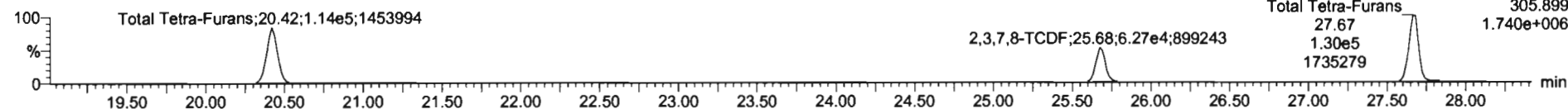
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2,3,7,8-TCDF

200529R2_2

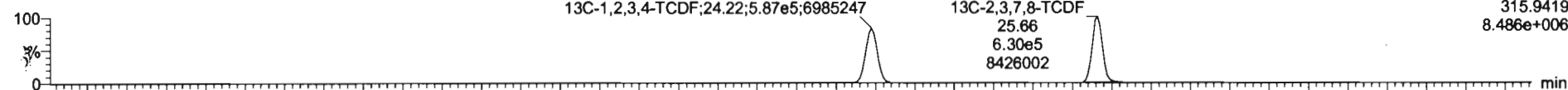


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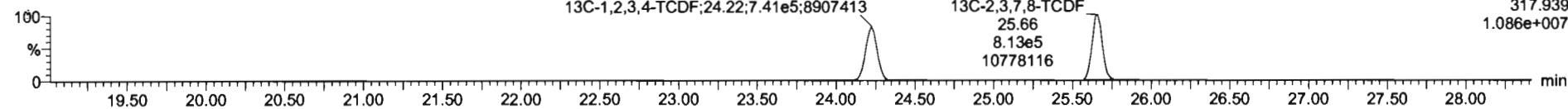


13C-2,3,7,8-TCDF

200529R2_2

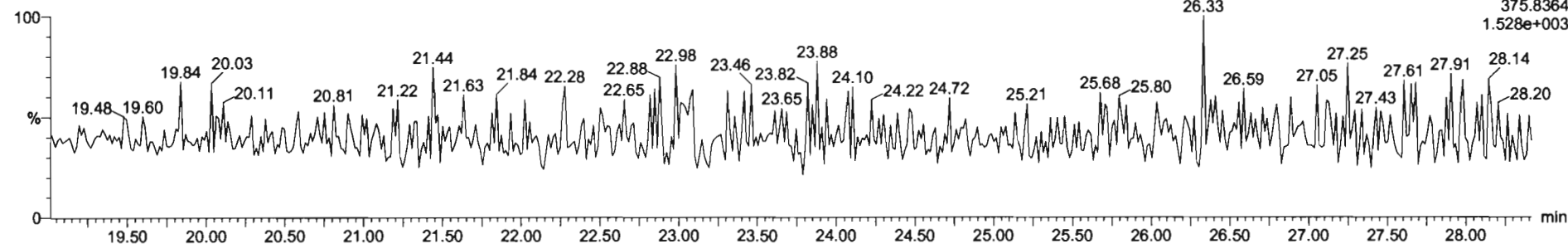


200529R2_2



DPE1

200529R2_2



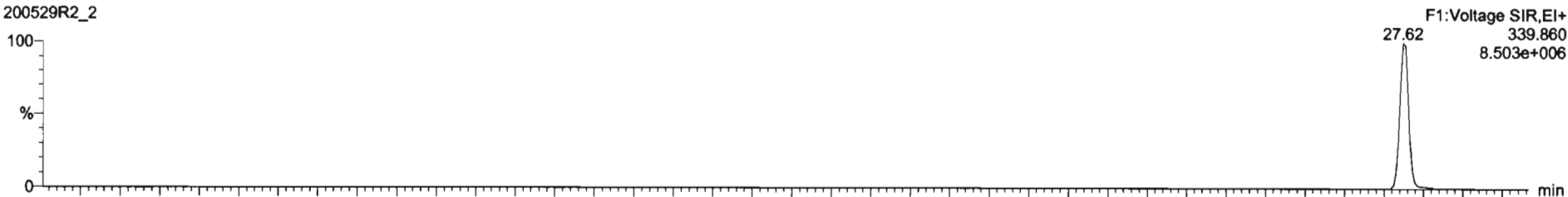
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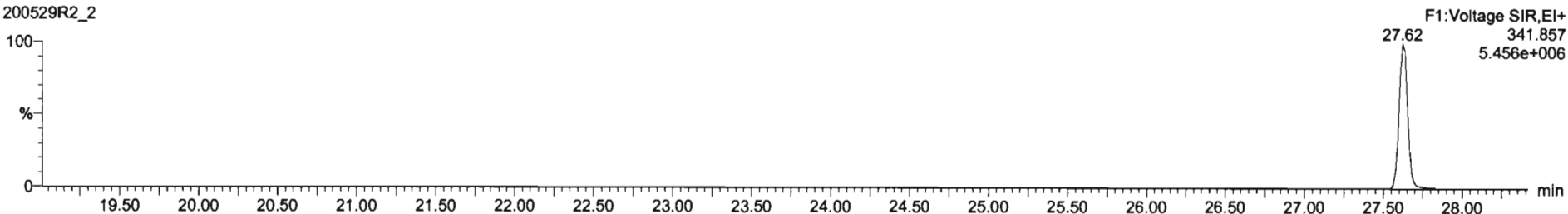
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1st Func. Penta-Furans

200529R2_2

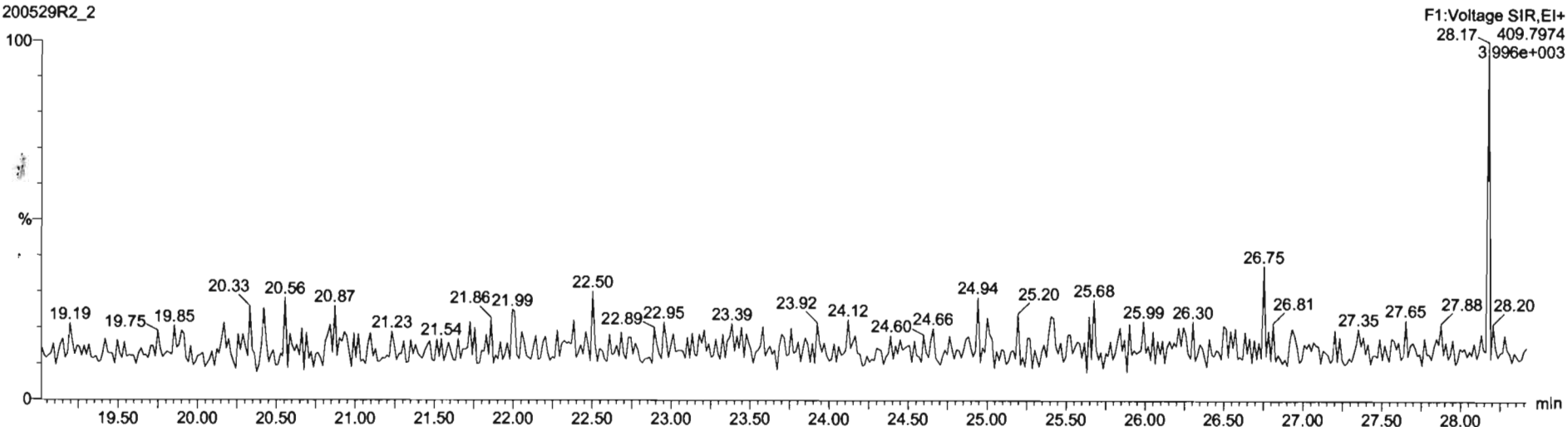


200529R2_2



DPE6

200529R2_2



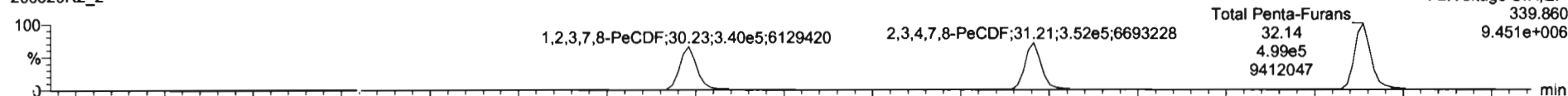
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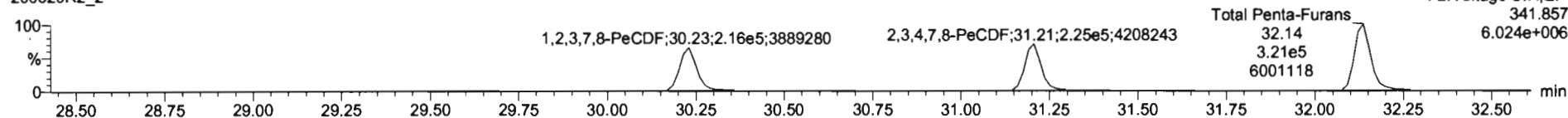
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1,2,3,7,8-PeCDF

200529R2_2

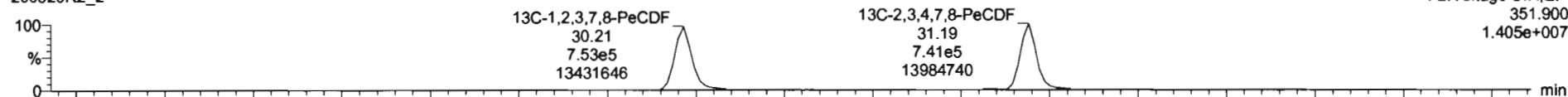


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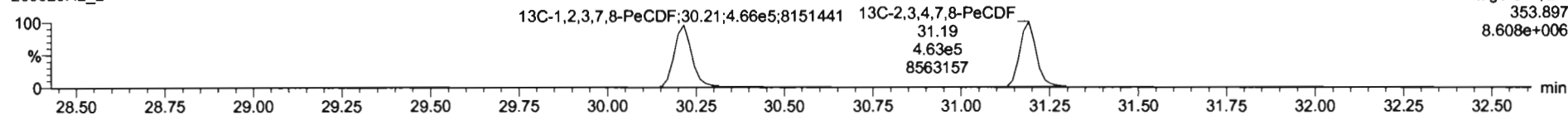


13C-1,2,3,7,8-PeCDF

200529R2_2

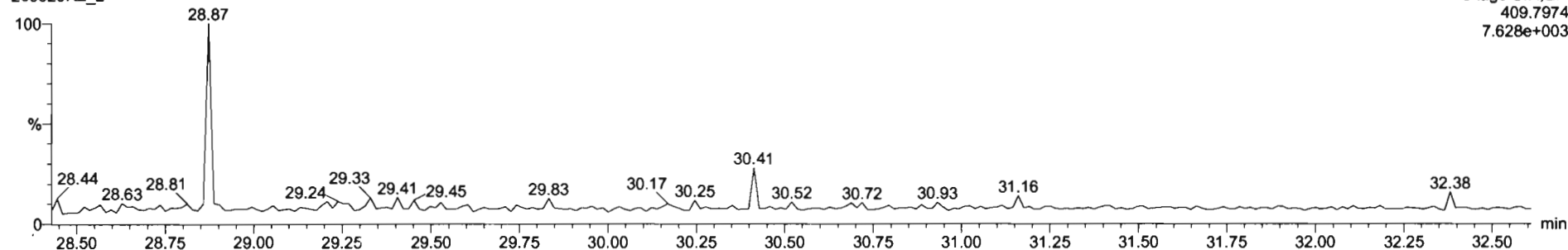


200529R2_2



DPE2

200529R2_2

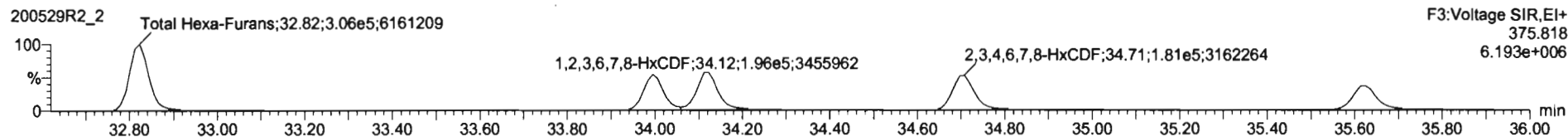
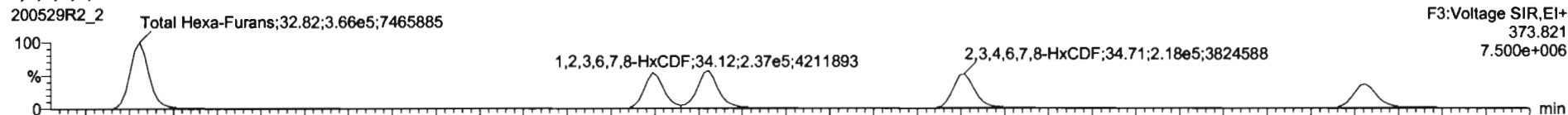


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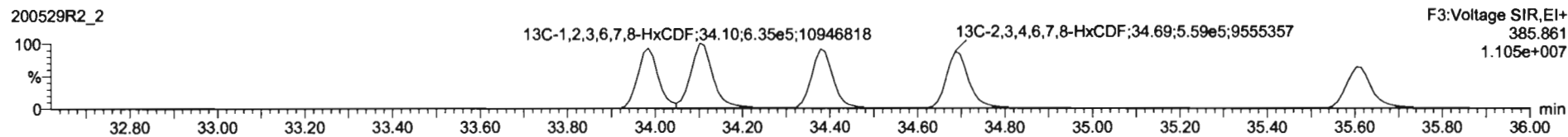
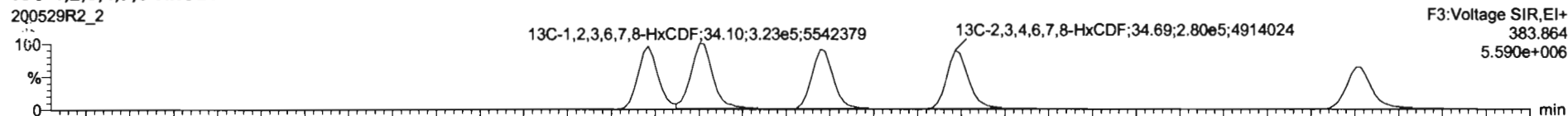
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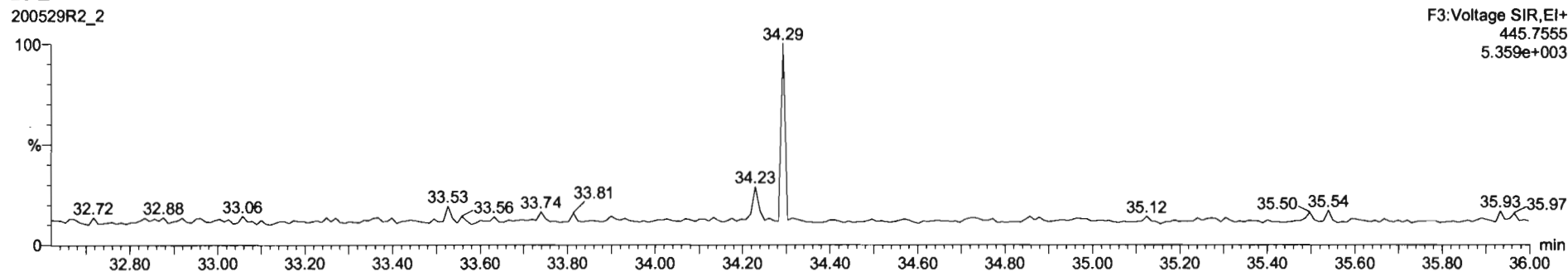
1,2,3,4,7,8-HxCDF



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



DPE3



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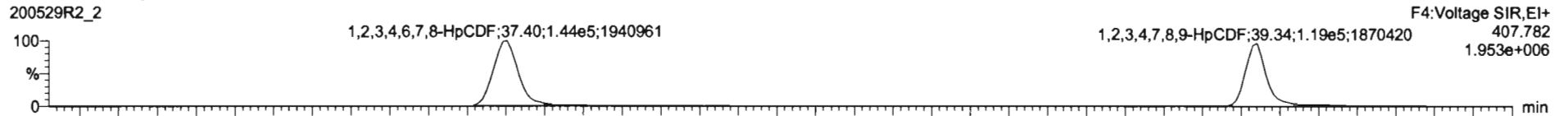
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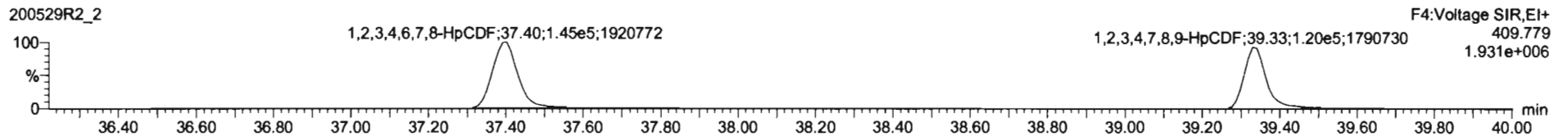
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1,2,3,4,6,7,8-HpCDF

200529R2_2

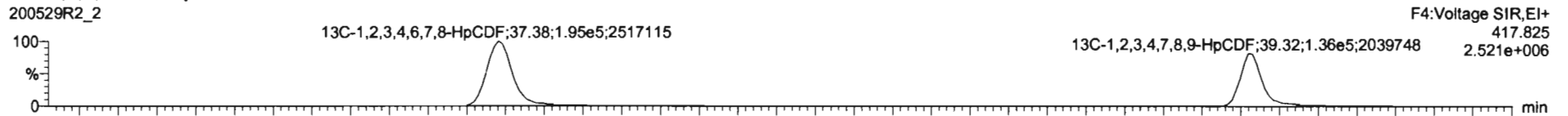


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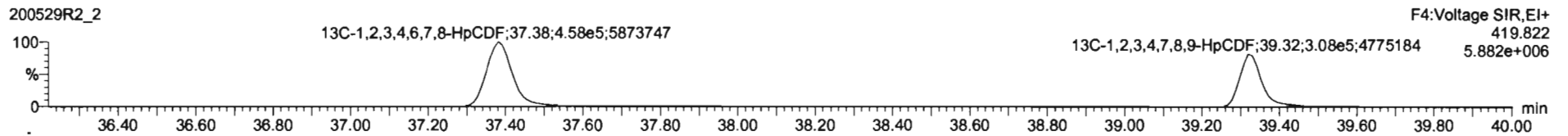


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200529R2_2

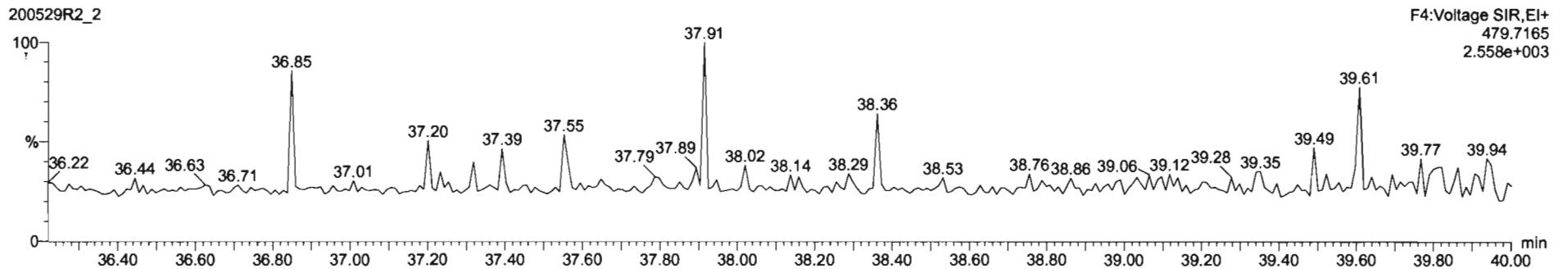


200529R2_2

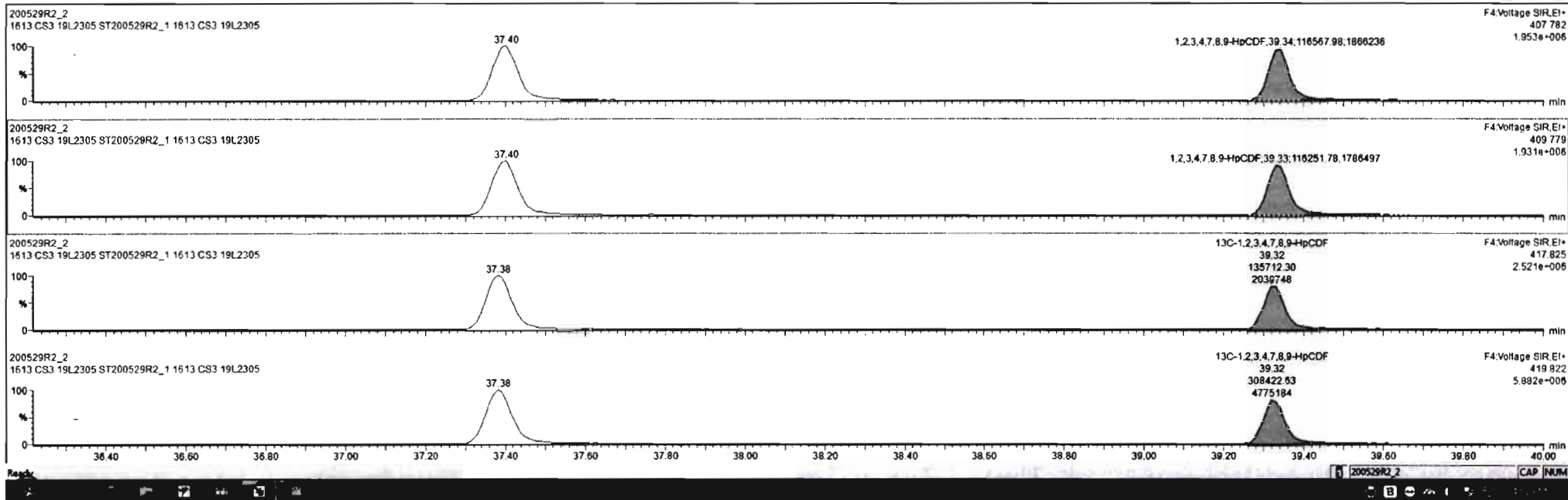


DPE4

200529R2_2



#	Name	Res	IS Res	Pred RA	RA	ny	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	9.52e4	1.07e5	0.77	0.78	NO	0.8863	26.59	26.57	NO	1.001	1.001	10.0	100	NO
2	1,2,3,7,8-PeCDD	3.71e5	8.20e5	0.63	0.61	NO	0.9081	31.52	31.51	NO	1.001	1.000	48.8	99.7	NO
3	1,2,3,4,7,8-HxCDD	3.23e5	8.23e5	1.24	1.25	NO	1.0334	34.67	34.68	NO	1.000	1.001	50.2	100	NO
4	1,2,3,6,7,8-HxCDD	3.85e5	8.06e5	1.24	1.24	NO	0.8923	34.96	34.97	NO	1.000	1.000	50.7	101	NO
5	1,2,3,7,8,9-HxCDD	3.18e5	7.27e5	1.24	1.24	NO	0.8869	35.26	35.28	NO	1.000	1.000	49.4	98.7	NO
6	1,2,3,4,6,7,8-HpCDD	2.45e5	5.70e5	1.04	1.02	NO	0.8830	36.80	36.80	NO	1.000	1.000	49.7	99.5	NO
7	OCDD	5.08e5	1.07e6	0.89	0.89	NO	0.9138	41.78	41.77	NO	1.000	1.000	104	104	NO
8	2,3,7,8-TCDF	1.09e5	1.44e6	0.77	0.74	NO	0.7510	25.69	25.67	NO	1.001	1.001	10.1	101	NO
9	1,2,3,7,8-PeCDF	5.55e5	1.22e6	1.55	1.57	NO	0.8925	30.24	30.23	NO	1.001	1.000	51.1	102	NO
10	2,3,4,7,8-PeCDF	5.78e5	1.20e6	1.55	1.56	NO	0.9348	31.22	31.21	NO	1.001	1.000	51.4	103	NO
11	1,2,3,4,7,8-HxCDF	3.74e5	8.31e5	1.24	1.20	NO	0.8845	33.96	33.99	NO	1.000	1.000	51.0	102	NO
12	1,2,3,6,7,8-HxCDF	4.33e5	9.58e5	1.24	1.21	NO	0.8892	34.11	34.12	NO	1.000	1.001	50.8	102	NO
13	2,3,4,6,7,8-HxCDF	3.99e5	8.38e5	1.24	1.21	NO	0.9341	34.72	34.71	NO	1.001	1.001	51.0	102	NO
14	1,2,3,7,8,9-HxCDF	3.16e5	6.97e5	1.24	1.20	NO	0.8707	35.60	35.62	NO	1.000	1.001	52.0	104	NO
15	1,2,3,4,6,7,8-HpCDF	2.88e5	6.53e5	1.04	0.99	NO	0.8734	37.42	37.40	NO	1.001	1.001	50.6	101	NO
16	1,2,3,4,7,8,9-HpCDF	2.33e5	4.44e5	1.04	1.00	NO	1.0720	38.32	38.34	NO	1.000	1.001	51.8	104	NO
17	OCDF	4.98e5	1.20e6	0.89	0.87	NO	0.8065	41.95	41.96	NO	1.000	1.000	103	103	NO
18	1,2,3,7,8-TCDD	1.07e6	9.04e5	0.77	0.78	NO	1.1563	26.58	26.56	NO	1.026	1.025	102	102	NO
19	1,2,3,7,8-PeCDD	8.20e5	9.04e5	0.63	0.65	NO	0.8490	31.78	31.50	NO	1.227	1.216	107	107	NO
20	1,2,3,7,8,9-HxCDD	8.73e5	8.17e5	1.24	1.28	NO	0.7700	34.88	34.88	NO	1.018	1.018	98.1	98.1	NO



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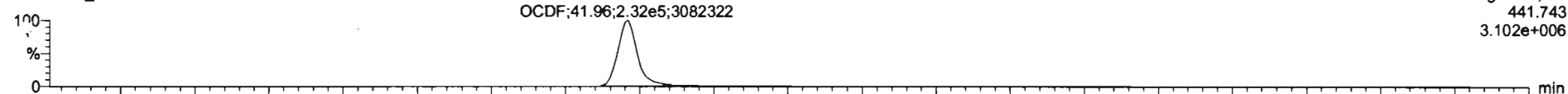
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Printed: Friday, May 29, 2020 3:59:18 PM Pacific Daylight Time

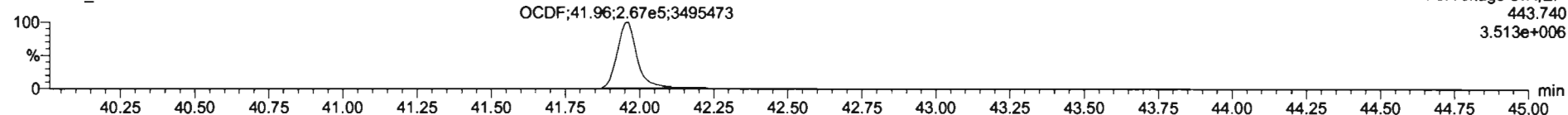
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OCDF

200529R2_2

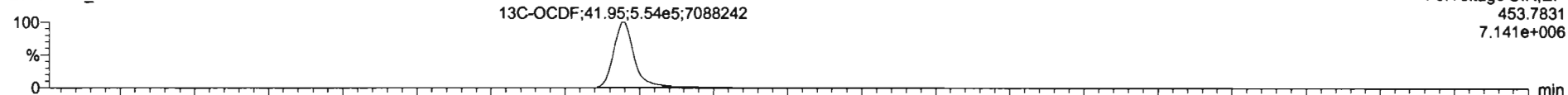


200529R2_2

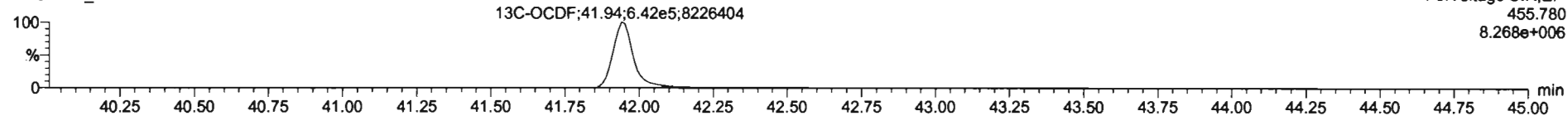


13C-OCDF

200529R2_2

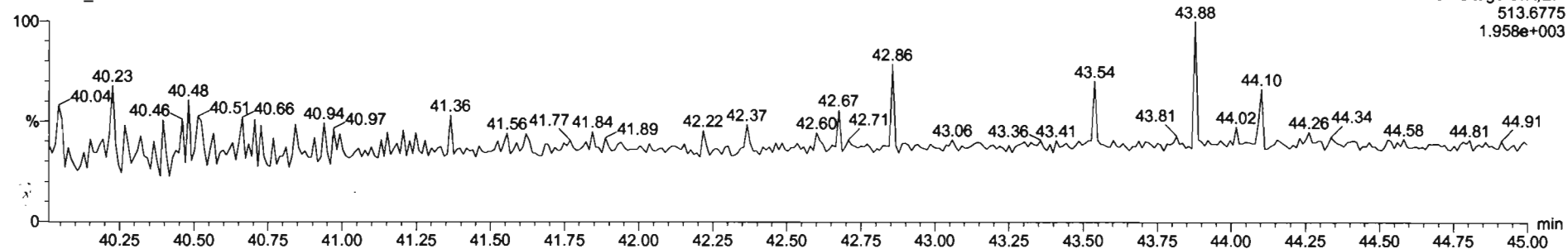


200529R2_2



DPE5

200529R2_2



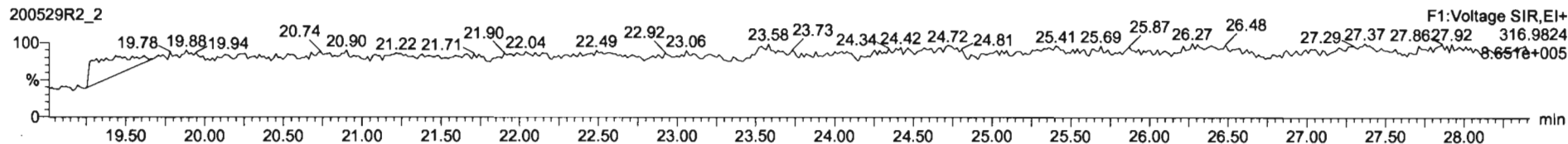
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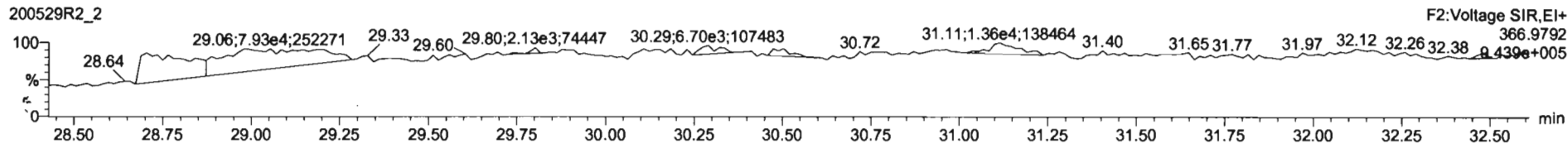
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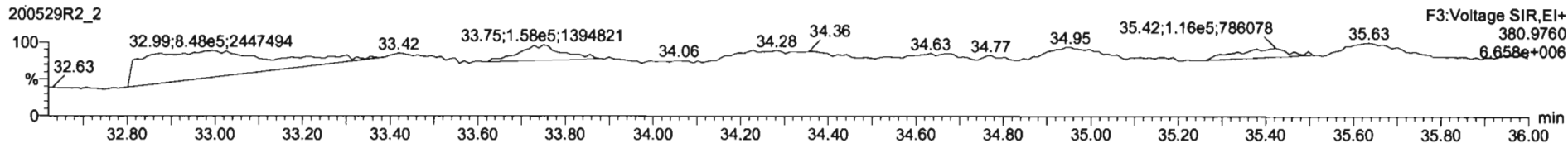
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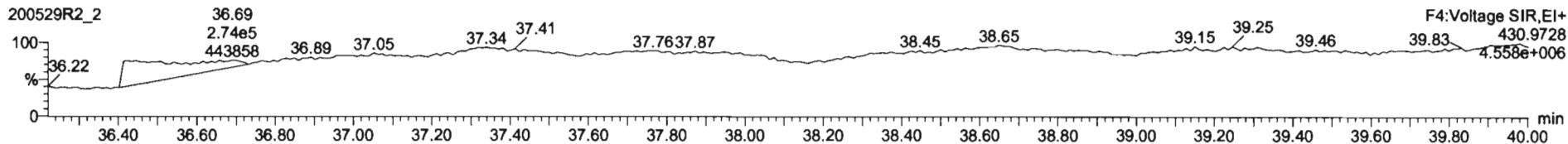
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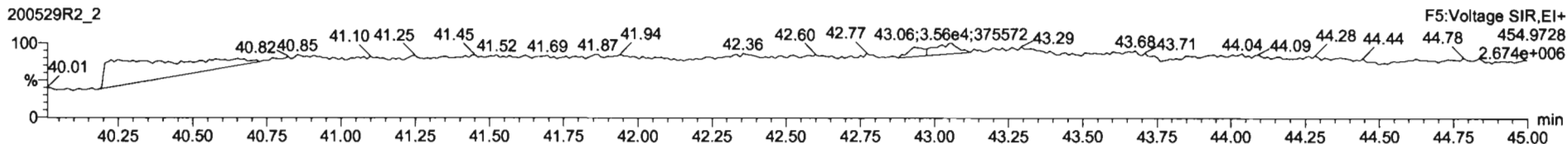
PFK3



PFK4



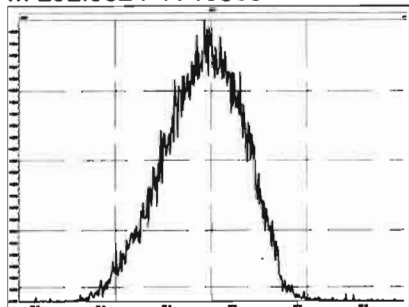
PFK5



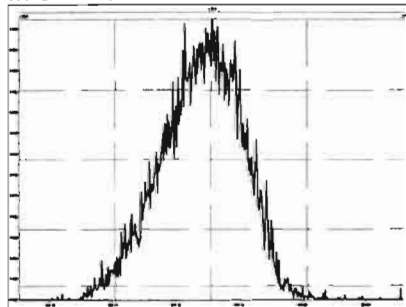
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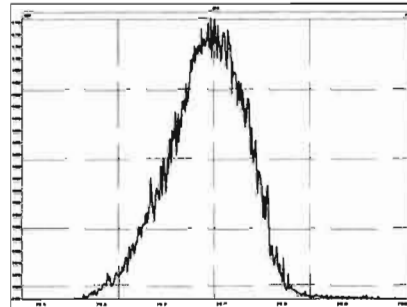
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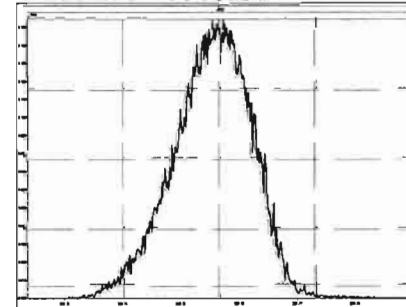
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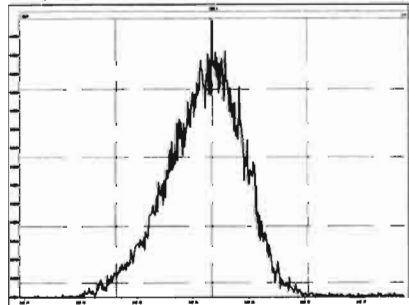
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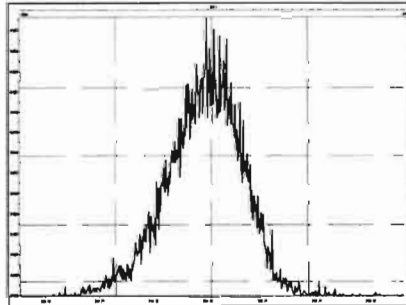
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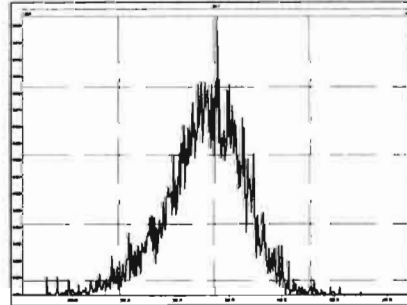
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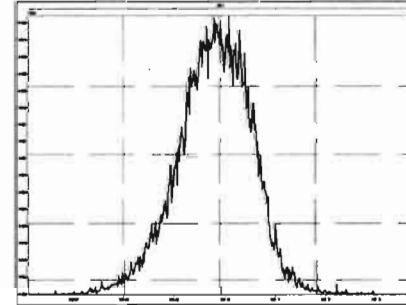
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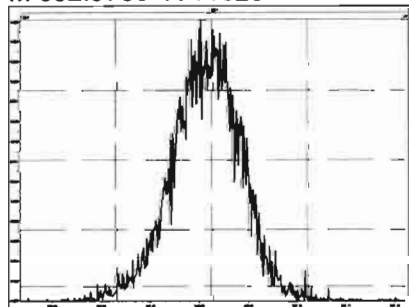
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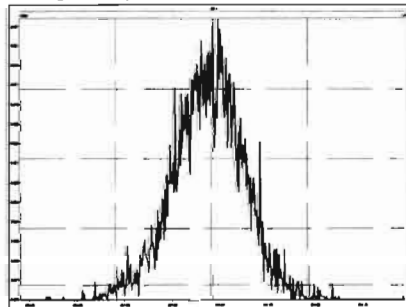
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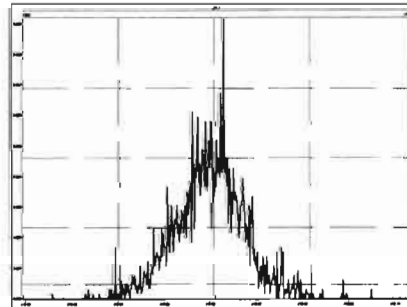
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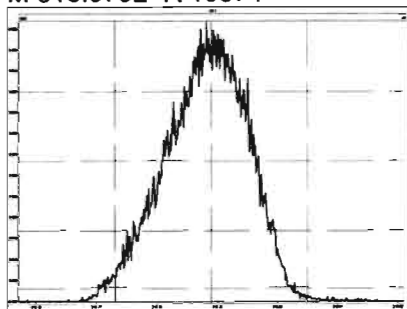
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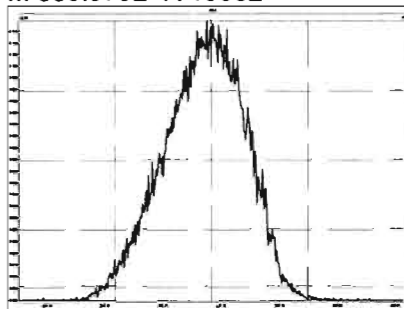
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Printed: Saturday, May 30, 2020 07:42:06 Pacific Daylight Time

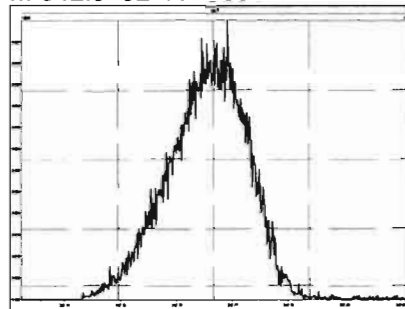
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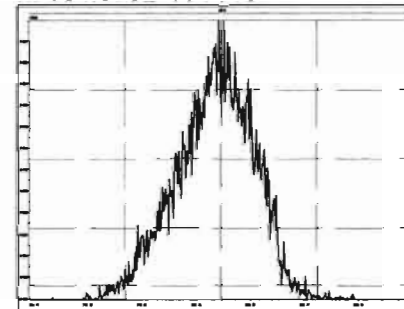
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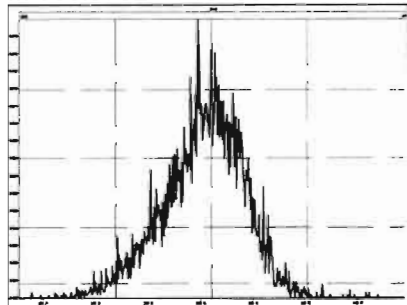
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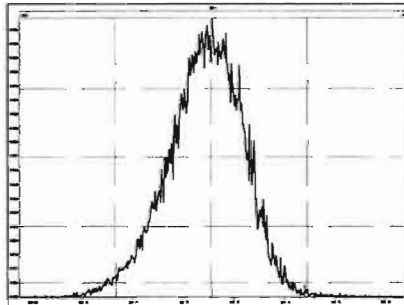
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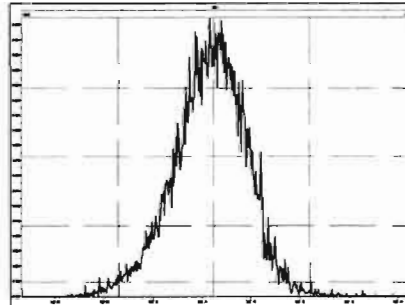
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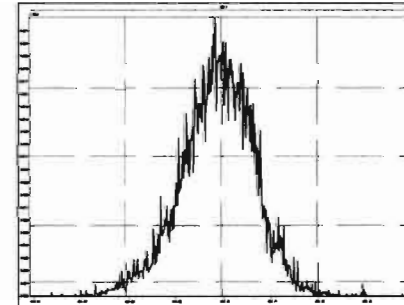
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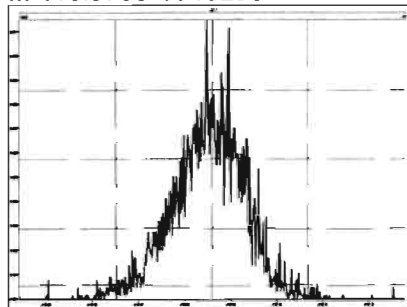
M 392.9760 R 11060



M 404.9760 R 11364



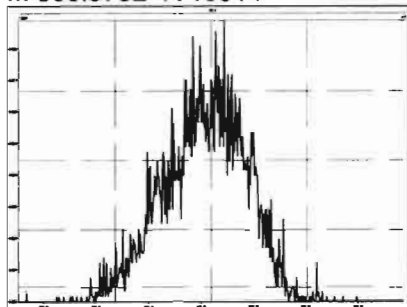
M 416.9760 R 13296



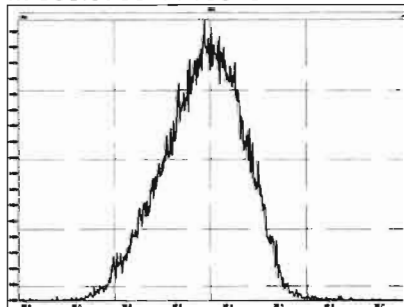
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Saturday, May 30, 2020 07:42:23 Pacific Daylight Time

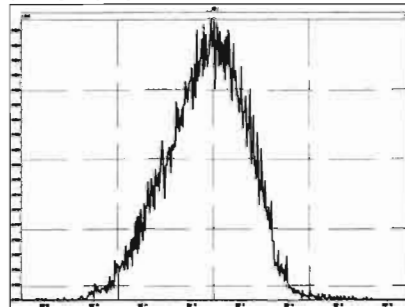
M 366.9792 R 10914



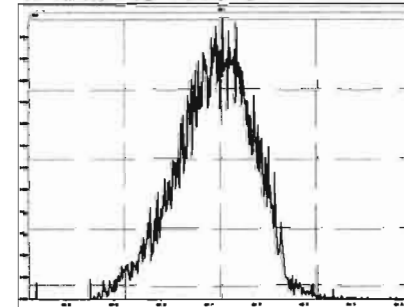
M 380.9760 R 10870



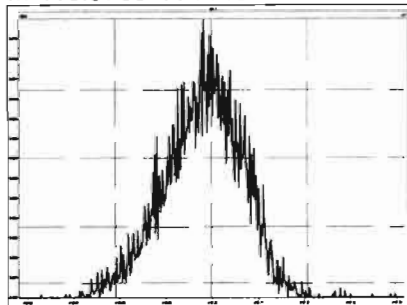
M 392.9760 R 11012



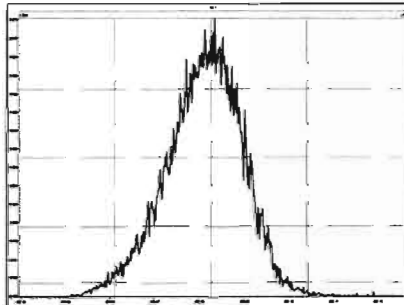
M 404.9760 R 11161



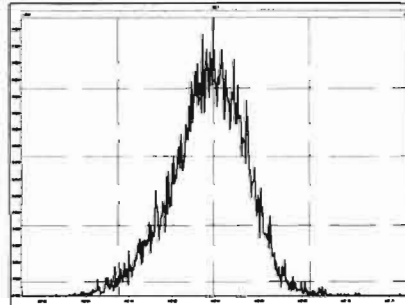
M 416.9760 R 11467



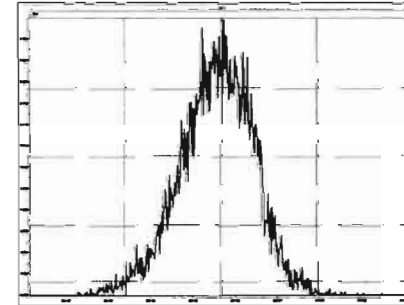
M 430.9728 R 10966



M 442.9728 R 12563



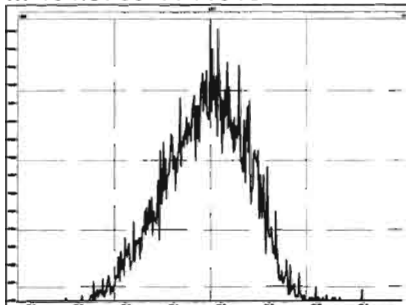
M 454.9728 R 11846



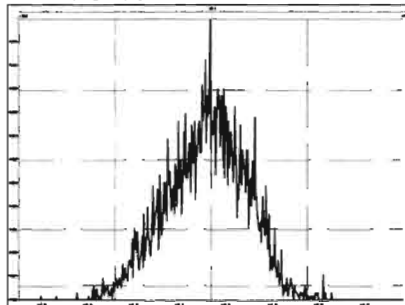
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Saturday, May 30, 2020 07:42:42 Pacific Daylight Time

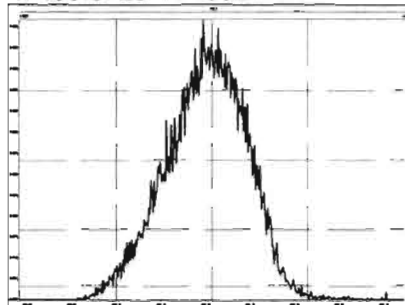
M 404.9760 R 11015



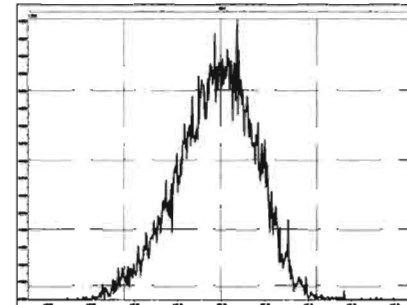
M 416.9760 R 11415



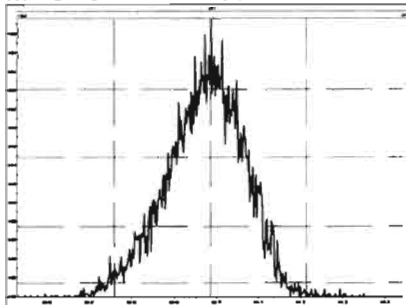
M 430.9728 R 10821



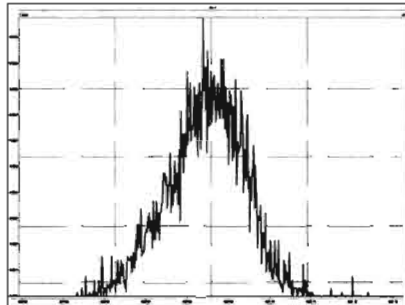
M 442.9728 R 10918



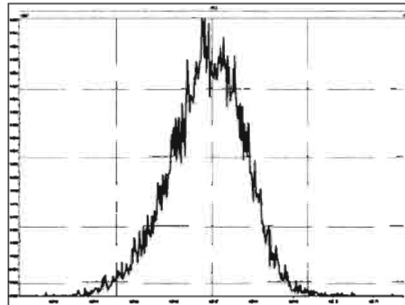
M 454.9728 R 11061



M 466.9728 R 12378



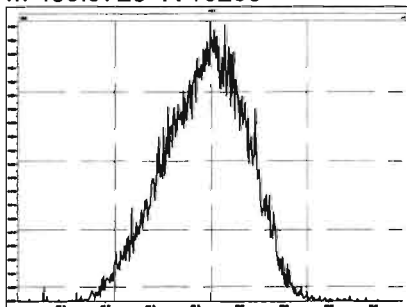
M 480.9696 R 10729



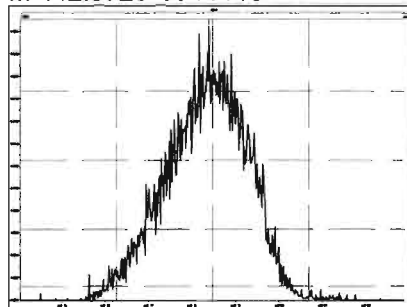
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Saturday, May 30, 2020 07:42:59 Pacific Daylight Time

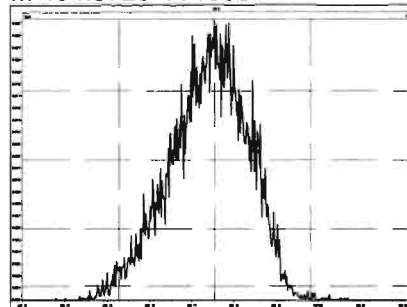
M 430.9728 R 10285



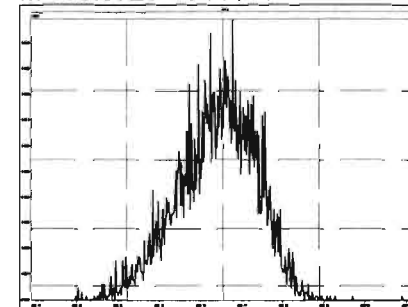
M 442.9728 R 11110



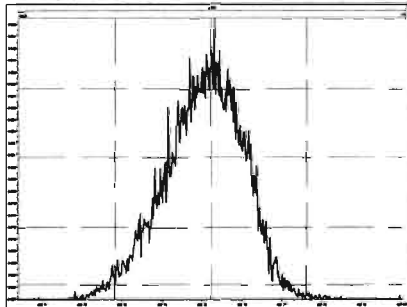
M 454.9728 R 10867



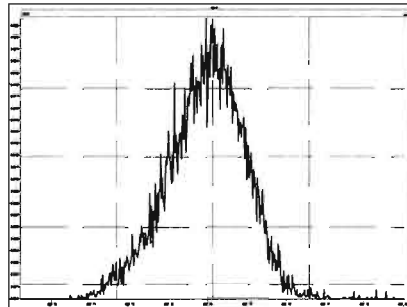
M 466.9728 R 11111



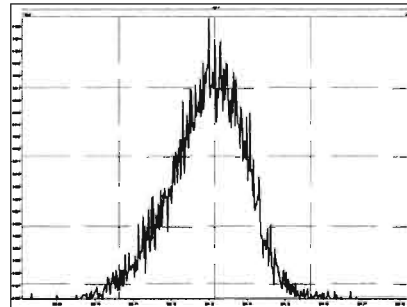
M 480.9696 R 11060



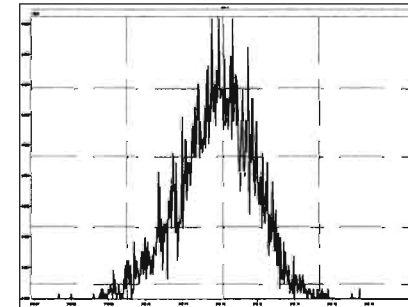
M 492.9696 R 10866



M 504.9696 R 11847



M 516.9697 R 12370



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200520D1-1

Reviewed By: OT 05/21/2020
Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>
First and last eluters present?	<input type="checkbox"/> NA	<input type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct ICAL referenced?	<u>DB</u>	<u>DB</u>
Run Log:		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/> ↓
- Samples within 12 hour clock?	<input type="checkbox"/> (Y)	<input type="checkbox"/> N
- Bottle position verified?	<u>DB</u>	<u>DB</u>

	<u>Beg.</u>	<u>End</u>
Mass resolution ≥	<input checked="" type="checkbox"/> A	<input checked="" type="checkbox"/>
<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614 1699 429 1613/1668/8280		
Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
GC Break <20%	<input type="checkbox"/> NA	
8280 CS1 End Standard:		
- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		<input type="checkbox"/> NA

Comments:
 INSTRUMENT WENT INTO 'PAUSE' FOR AN UNKNOWN REASON.
 END) RES CHECK PRINTED OUT IN THE MORNING.
 A) PFK drain

Dataset: U:\VG7.PRO\Results\200520D1\200520D1_2.qld

Last Altered: Wednesday, May 20, 2020 13:31:55 Pacific Daylight Time
Printed: Wednesday, May 20, 2020 13:32:21 Pacific Daylight Time

DB 5/20/20 C105/20/2020

Method: C:\MassLynx\Default.pro\Methdb\lctcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdvfg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200520D1_2, Date: 20-May-2020, Time: 13:04:49, ID: ST200520D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDF	1.30e3	0.86	NO	0.982	1.000	17.620	17.60	1.000	1.000	9.1634	91.6	0.845	9.16
2	2 13C-2,3,7,8-TCDF	1.44e4	0.78	NO	1.08	1.000	17.654	17.60	1.133	1.136	105.58	106	2.66	
3	3 13C-1,2,3,4-TCDF	1.26e4	0.88	NO	1.00	1.000	15.660	15.49	1.000	1.000	100.00	100	2.88	

Dataset: Untitled

Last Altered: Thursday, May 21, 2020 09:16:49 Pacific Daylight Time
Printed: Thursday, May 21, 2020 09:17:06 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

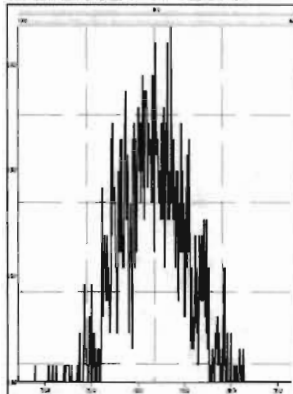
Compound name: 2,3,7,8-TCDF

	Name	ID	Acq.Date	Acq.Time
1	200520D1_1	CP200520D1-1 DB-225 CPSM	20-May-20	12:34:41
2	200520D1_2	ST200520D1-1 1613 CS3 19L2305	20-May-20	13:04:49
3	200520D1_3	SOLVENT BLANK	20-May-20	13:36:33
4	200520D1_4	2000951-03RE2 PDI-159SC-A-01-02-200423 ...	20-May-20	14:08:18
5	200520D1_5	2000830-01RE1 Dredging Feed Slurry 59.86	20-May-20	14:39:59
6	200520D1_6	2000830-02RE1 Dredging Cake/Product 41.01	20-May-20	15:11:41
7	200520D1_7	2000946-01RE1 PDI-162SC-A-00-01-200424 ...	20-May-20	15:43:24
8	200520D1_8	2000946-02RE1 PDI-162SC-A-02-03-200424 ...	20-May-20	16:15:08
9	200520D1_9	2000946-03RE1 PDI-162SC-A-03-04-200424 ...	20-May-20	16:46:50
10	200520D1_10	2000946-04RE1 PDI-162SC-A-04-05-200424 ...	20-May-20	17:18:33
11	200520D1_11	2000932-20RE3 SD-0033 26.4	20-May-20	17:50:15
12	200520D1_12	2000953-02RE2 PDI-165SC-A-01-02-200426 ...	20-May-20	18:21:56
13	200520D1_13	2000931-01RE4 Biosolid Composite 27.85	20-May-20	18:53:38
14	200520D1_14	2000950-10RE1 PDI-158SC-A-00-01-200423 ...	20-May-20	19:25:21
15	200520D1_15	B0E0019DUP1RE1 Duplicate	20-May-20	19:57:03
16	200520D1_16	2000976-01RE1 PDI-153SC-A-00-01-200427 ...	20-May-20	20:28:46
17	200520D1_17	2000957-01RE1 PDI-1147SC-A-13-14-200425...	20-May-20	21:00:27
18	200520D1_18	2000957-02RE1 PDI-147SC-A-00-01-200425 ...	20-May-20	21:32:10
19	200520D1_19	2000957-03RE1 PDI-147SC-A-05-06-200425 ...	20-May-20	22:03:53

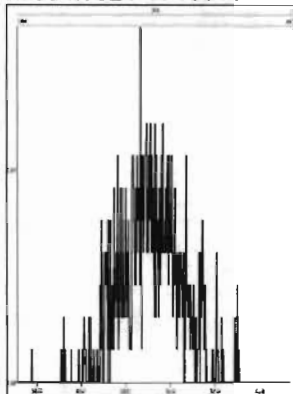
File: Experiment: tcdf_db225.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, May 20, 2020 12:33:36 Pacific Daylight Time

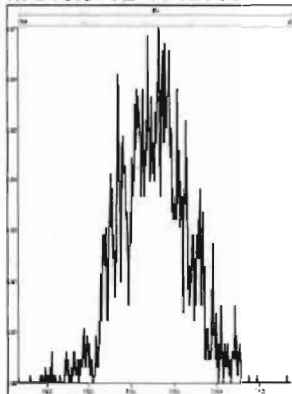
M 292.9824 R 12079



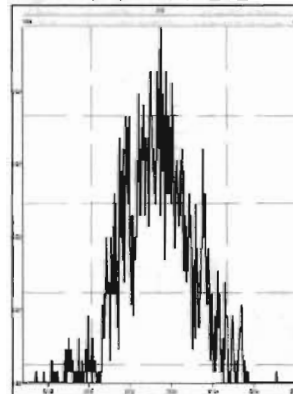
M 304.9824 R 18518



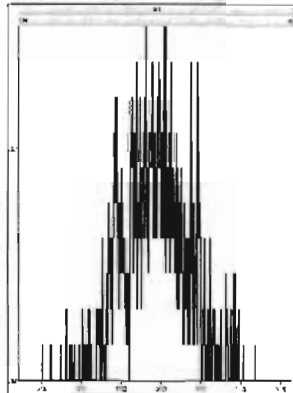
M 318.9792 R 10963



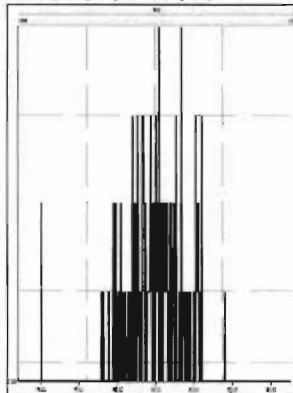
M 330.9792 R 11212



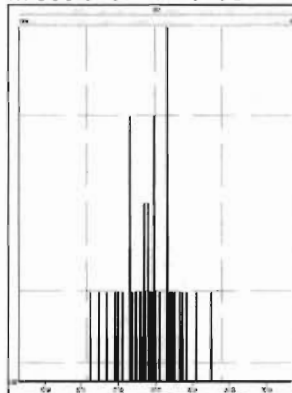
M 342.9792 R 12438



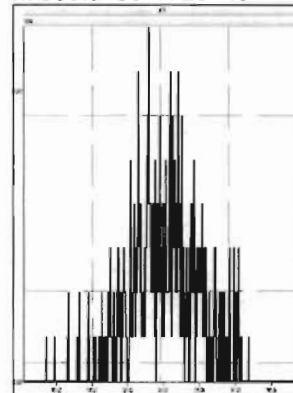
M 354.9792 R 51014

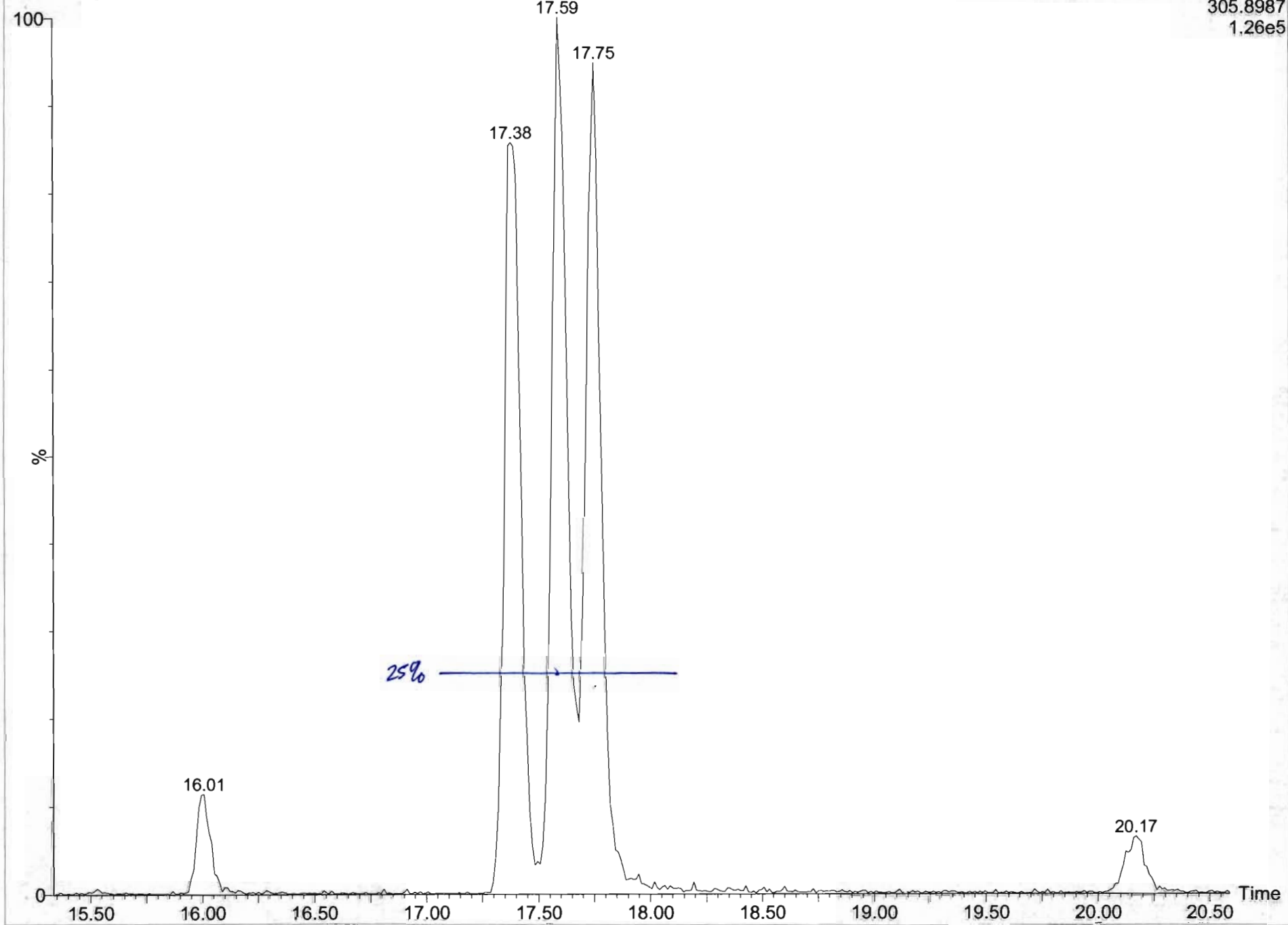


M 366.9792 R 28093



M 380.9760 R 23149



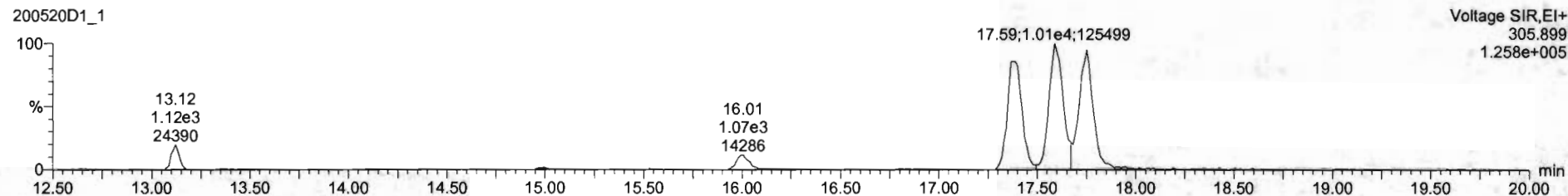
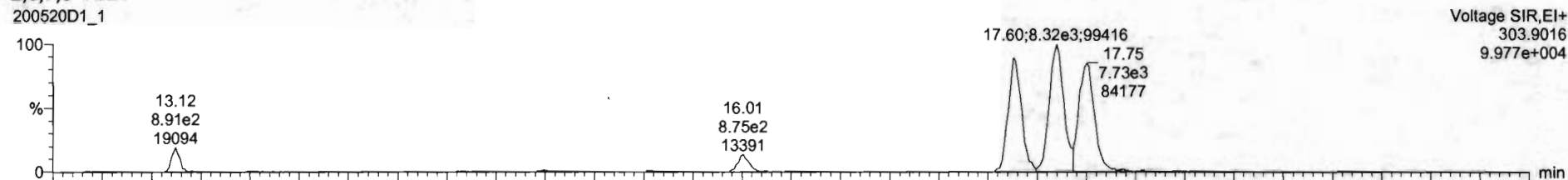


Dataset: U:\VG7.PRO\Results\200520D1\200520D1_1.qld
Last Altered: Wednesday, May 20, 2020 13:34:05 Pacific Daylight Time
Printed: Wednesday, May 20, 2020 13:35:13 Pacific Daylight Time

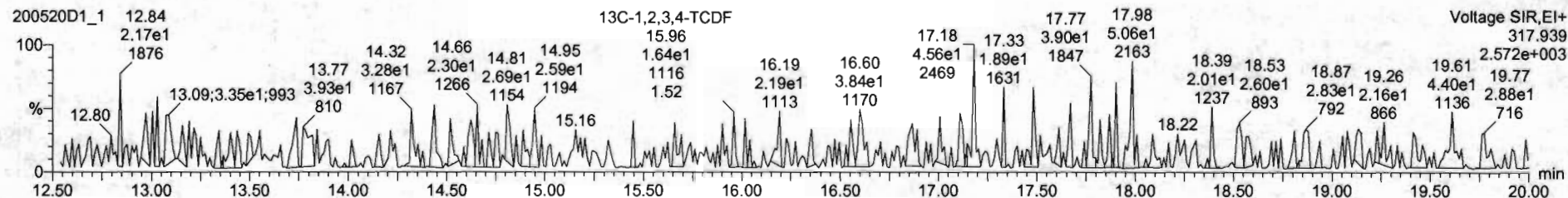
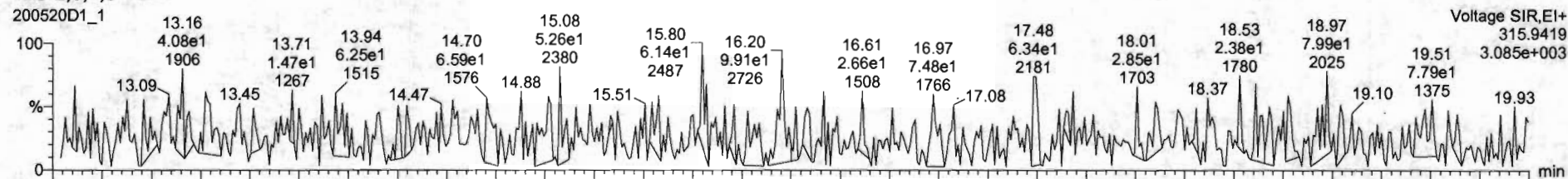
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200520D1_1, Date: 20-May-2020, Time: 12:34:41, ID: CP200520D1-1 DB-225 CPSM, Description: DB-225 CPSM

2,3,7,8-TCDF



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

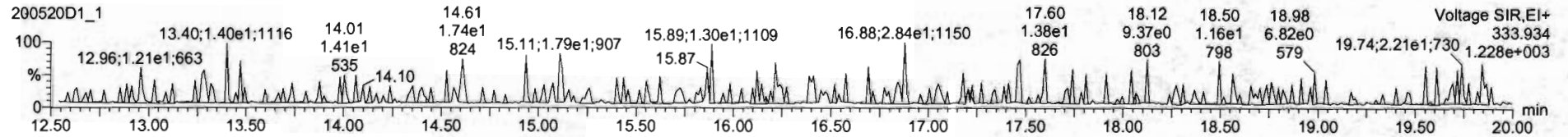
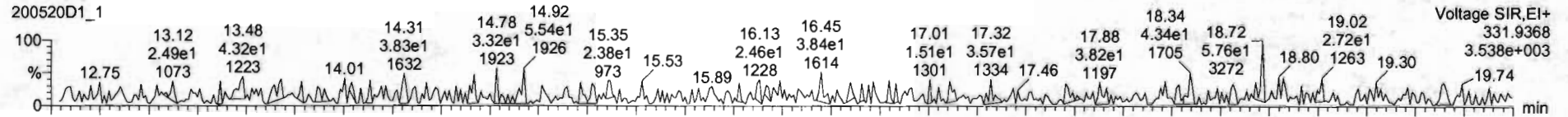


Dataset: U:\VG7.PRO\Results\200520D1\200520D1_1.qld

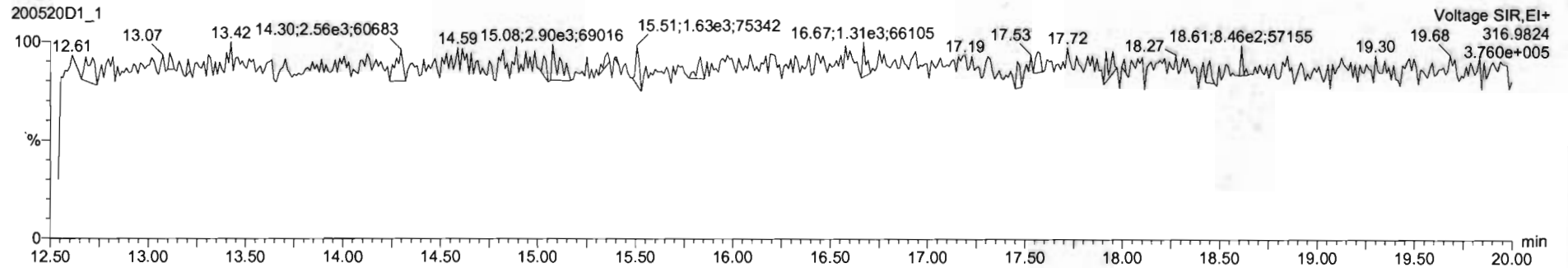
Last Altered: Wednesday, May 20, 2020 13:34:05 Pacific Daylight Time
Printed: Wednesday, May 20, 2020 13:35:13 Pacific Daylight Time

Name: 200520D1_1, Date: 20-May-2020, Time: 12:34:41, ID: CP200520D1-1 DB-225 CPSM, Description: DB-225 CPSM

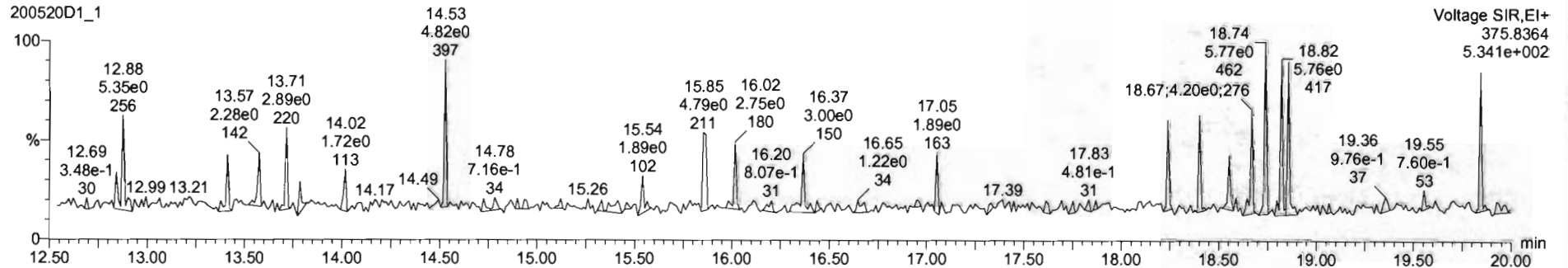
13C-1,2,3,4-TCDD



PFK1



DPE1



Dataset: U:\VG7.PRO\Results\200520D1\200520D1_2.qld

Last Altered: Wednesday, May 20, 2020 13:28:23 Pacific Daylight Time

Printed: Wednesday, May 20, 2020 13:31:23 Pacific Daylight Time

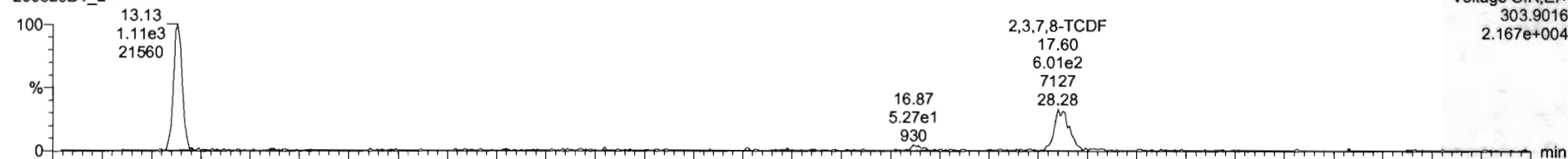
Method: C:\MassLynx\Default.pro\Methdb\tcdf.mdb 23 Mar 2020 11:10:19

Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

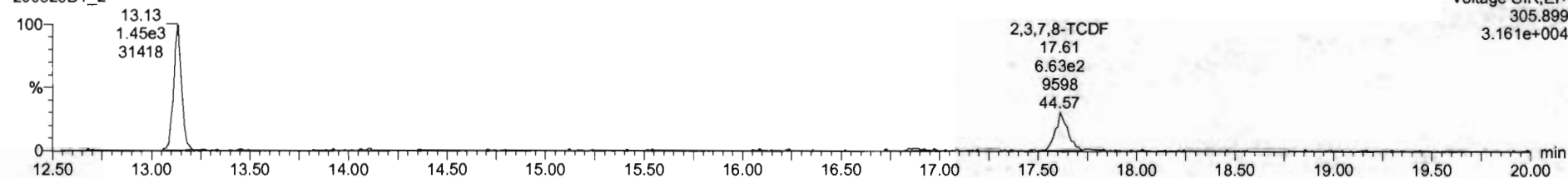
Name: 200520D1_2, Date: 20-May-2020, Time: 13:04:49, ID: ST200520D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDF

200520D1_2

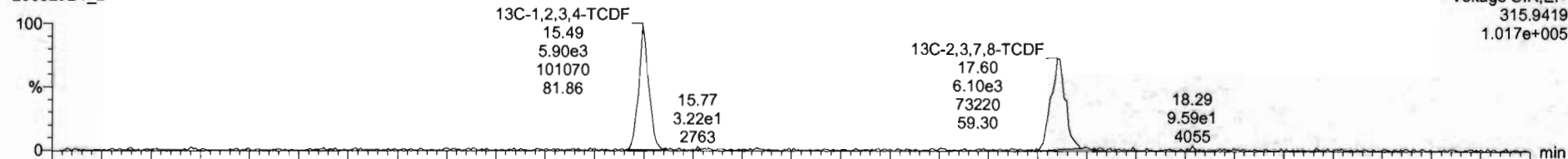


200520D1_2

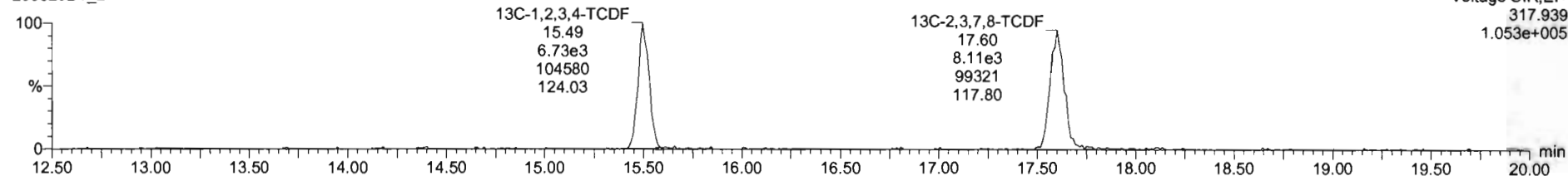


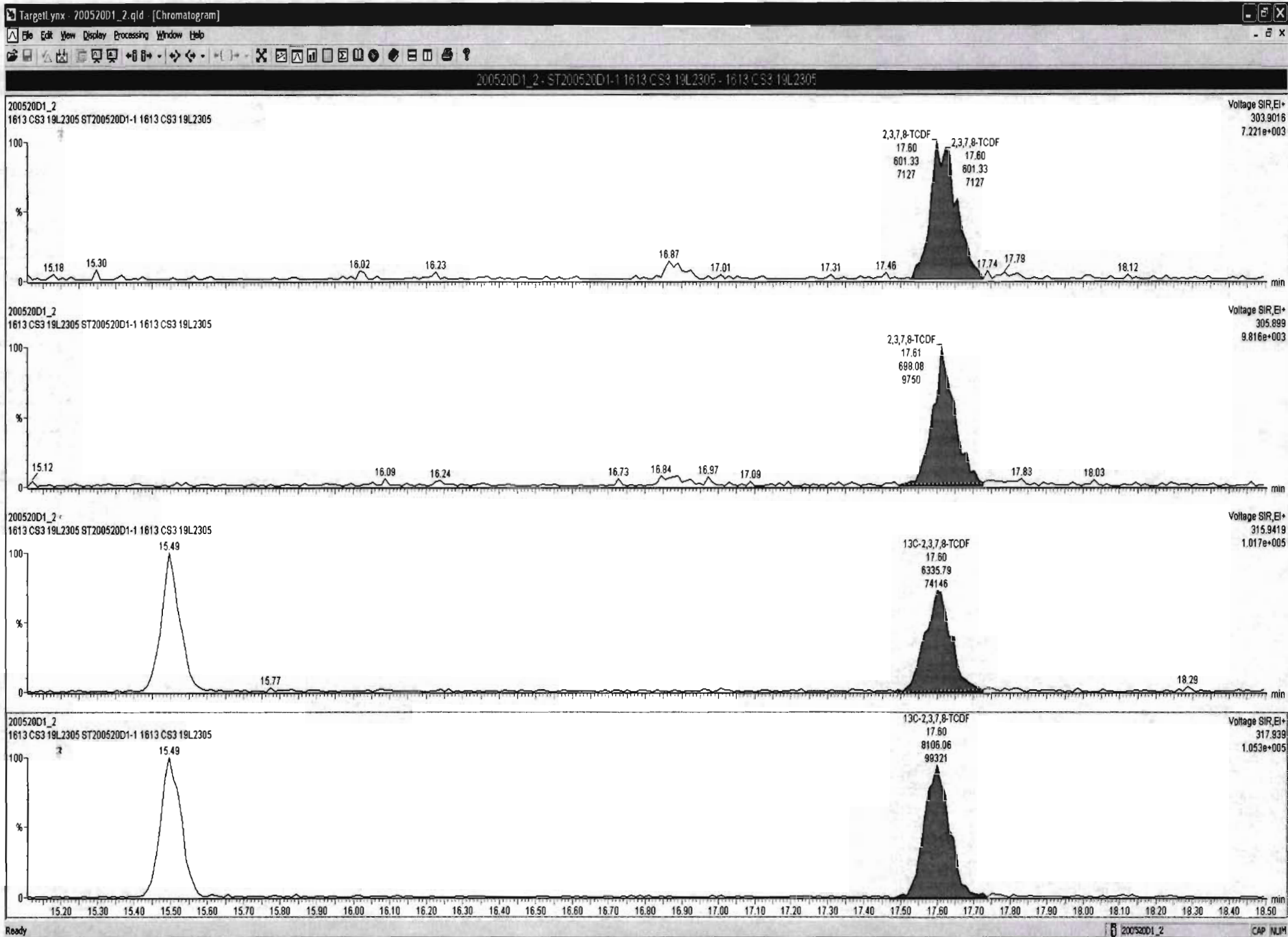
13C-2,3,7,8-TCDF

200520D1_2



200520D1_2





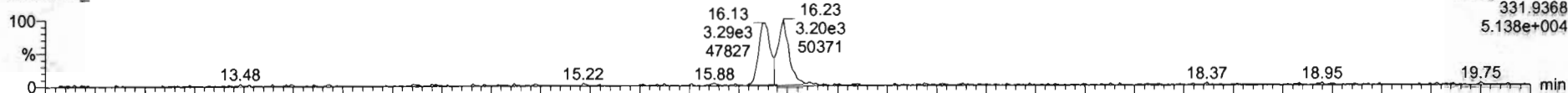
Dataset: U:\VG7.PRO\Results\200520D1\200520D1_2.qld

Last Altered: Wednesday, May 20, 2020 13:28:23 Pacific Daylight Time
Printed: Wednesday, May 20, 2020 13:31:23 Pacific Daylight Time

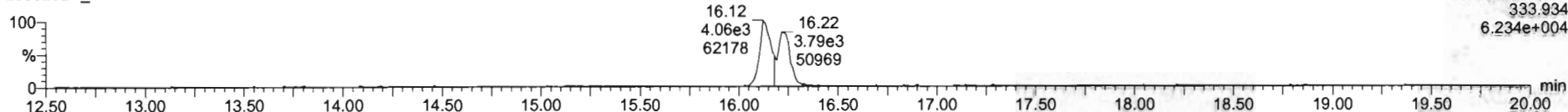
Name: 200520D1_2, Date: 20-May-2020, Time: 13:04:49, ID: ST200520D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200520D1_2

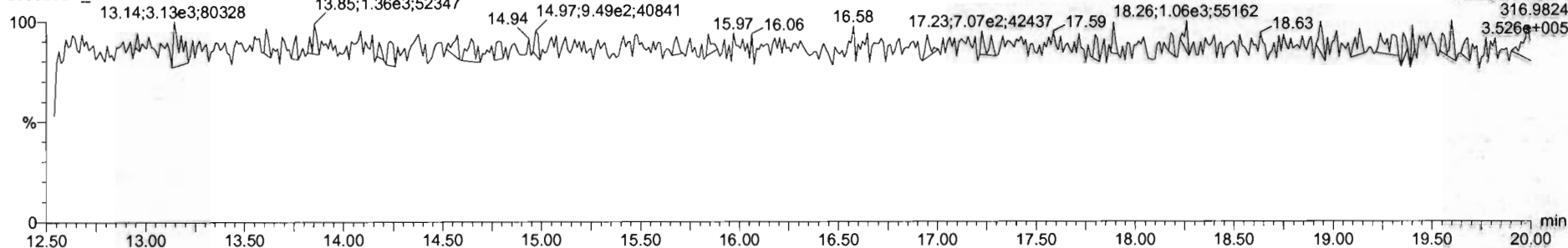


200520D1_2



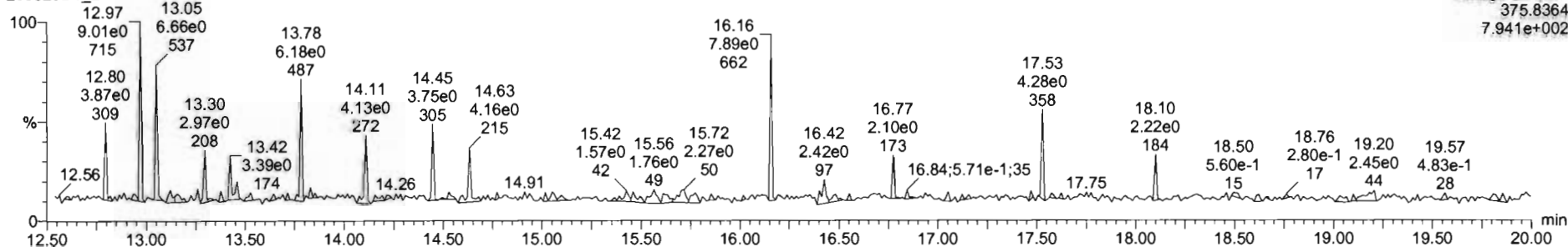
PFK1

200520D1_2



DPE1

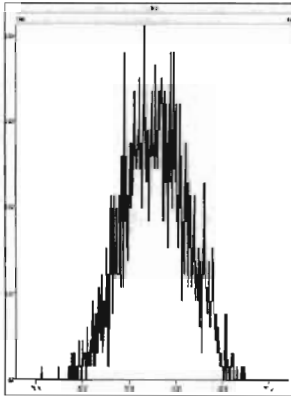
200520D1_2



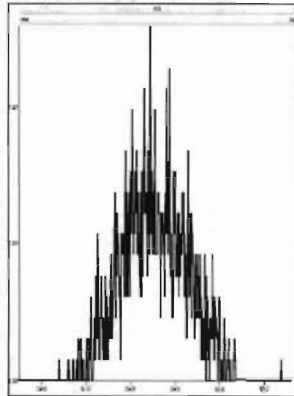
File: Experiment: tcdf_db225.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, May 21, 2020 09:18:23 Pacific Daylight Time

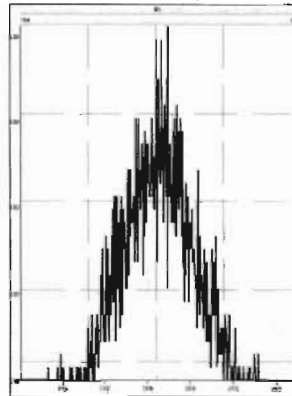
M 292.9824 R 9960



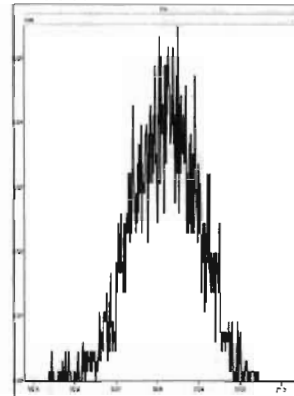
M 304.9824 R 11686



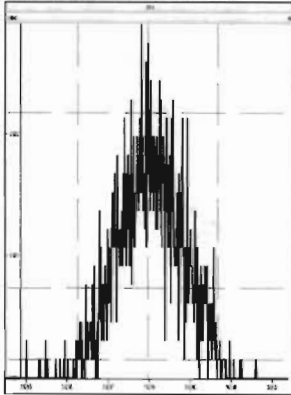
M 318.9792 R 10866



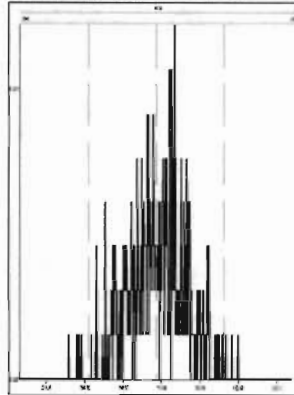
M 330.9792 R 9921



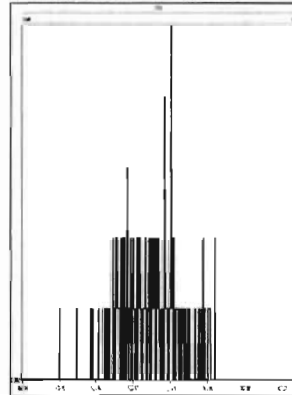
M 342.9792 R 11847



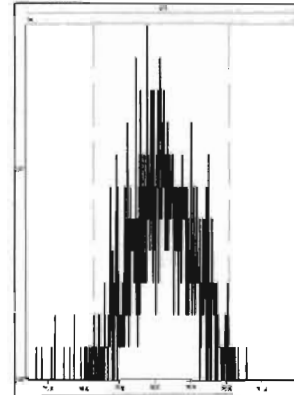
M 354.9792 R 14120



M 366.9792 R 38462



M 380.9760 R 12624



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200521D1-1

Reviewed By: CT 05/22/2020
Initials & Date

End Calibration ID: ST200521D1-2

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
First and last eluters present?	<input type="checkbox"/> NA	<input type="checkbox"/> NA
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Correct ICAL referenced?	<u>DB</u>	<u>DB</u>
<u>Run Log:</u>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Samples within 12 hour clock?	<u>(Y)</u>	N
- Bottle position verified?	<u>DB</u>	

	<u>Beg.</u>	<u>End</u>
Mass resolution \geq	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614 1699 429 1613/1668/8280		
Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GC Break <20%		<input type="checkbox"/> NA
<u>8280 CS1 End Standard:</u>		
- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		<input type="checkbox"/> NA

Comments:

Dataset: U:\VG7.PRO\Results\200521D1\200521D1_2.qld

Last Altered: Thursday, May 21, 2020 12:56:06 Pacific Daylight Time
Printed: Thursday, May 21, 2020 13:01:32 Pacific Daylight Time

DB 5/21/20 C1 05/22/2020

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\ldb-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200521D1_2, Date: 21-May-2020, Time: 12:31:30, ID: ST200521D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1613 8290

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDF	3.36e3	0.80	NO	0.982	1.000	17.631	17.65	1.000	1.002	8.6967	87.0 <i>84-120</i>	0.516 <i>80-120</i>	8.70
2	2 13C-2,3,7,8-TCDF	3.93e4	0.77	NO	1.08	1.000	17.689	17.61	1.133	1.134	103.74	104	1.92	
3	3 13C-1,2,3,4-TCDF	3.50e4	0.76	NO	1.00	1.000	15.660	15.53	1.000	1.000	100.00	100	2.08	

Dataset: Untitled

Last Altered: Friday, May 22, 2020 09:24:15 Pacific Daylight Time

Printed: Friday, May 22, 2020 09:24:32 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19

Calibration: U:\VG7.PRO\CurveDB\db-225_1613\tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

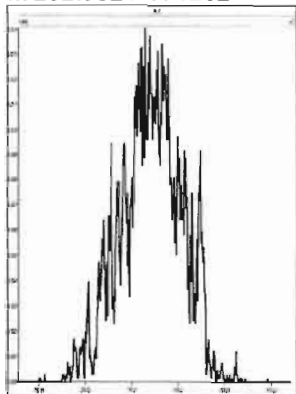
Compound name: 2,3,7,8-TCDF

	Name	ID	Acq.Date	Acq.Time
1	200521D1_1	CP200521D1-1 DB-225 CPSM	21-May-20	12:01:22
2	200521D1_2	ST200521D1-1 1613 CS3 19L2305	21-May-20	12:31:30
3	200521D1_3	SOLVENT BLANK	21-May-20	13:03:13
4	200521D1_4	2000932-20RE3 SD-0033 26.4	21-May-20	13:34:58
5	200521D1_5	2000957-04RE1 PDI-147SC-A-06-07-200425 ...	21-May-20	14:06:39
6	200521D1_6	2000957-05RE1 PDI-147SC-A-07-08-200425 ...	21-May-20	14:38:21
7	200521D1_7	2000830-02RE1 Dredging Cake/Product 41.01	21-May-20	15:10:04
8	200521D1_8	2000912-01RE2 PC-8S 12.59	21-May-20	15:41:46
9	200521D1_9	2000912-02RE2 Dup 4 12.01	21-May-20	16:13:28
10	200521D1_10	2000912-03RE2 PC-7S 13.99	21-May-20	16:45:10
11	200521D1_11	2000912-04RE2 PC-7D 13.58	21-May-20	17:16:52
12	200521D1_12	2000912-05RE2 PC-6S 12.83	21-May-20	17:48:34
13	200521D1_13	2000912-06RE2 PC-5S 13.07	21-May-20	18:20:16
14	200521D1_14	2000912-07RE2 PC-4S 12.08	21-May-20	18:51:58
15	200521D1_15	2000912-08RE2 PC-3S 13.02	21-May-20	19:23:40
16	200521D1_16	2000912-09RE2 PC-3D 15.04	21-May-20	19:55:25
17	200521D1_17	2000912-10RE2 PC-2S 14.56	21-May-20	20:27:05
18	200521D1_18	2000912-11RE2 PC-2D 14.05	21-May-20	20:58:48
19	200521D1_19	2000912-13RE2 PC-1D 12.28	21-May-20	21:30:31
20	200521D1_20	SOLVENT BLANK	21-May-20	22:02:14
21	200521D1_21	ST200521D1-2 1613 CS3 19L2305	21-May-20	22:33:57

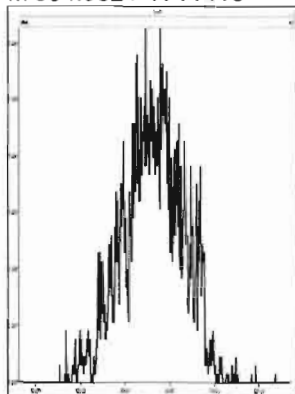
File: Experiment: tcdf_db225.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, May 21, 2020 12:00:33 Pacific Daylight Time

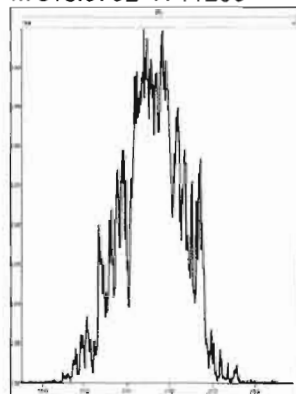
M 292.9824 R 12021



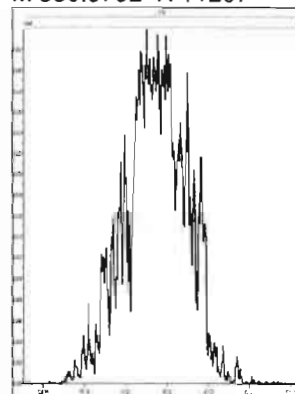
M 304.9824 R 11415



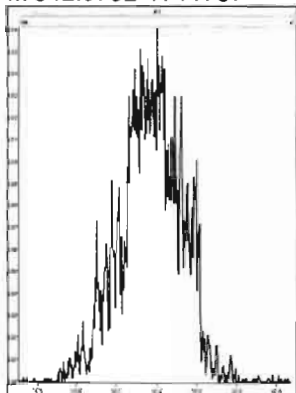
M 318.9792 R 11209



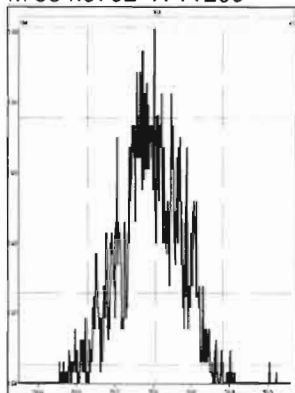
M 330.9792 R 11207



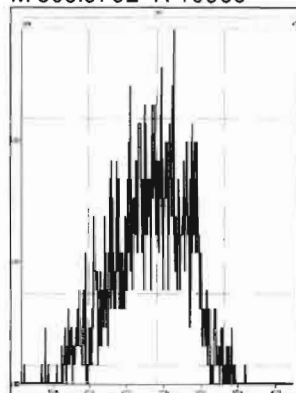
M 342.9792 R 11737



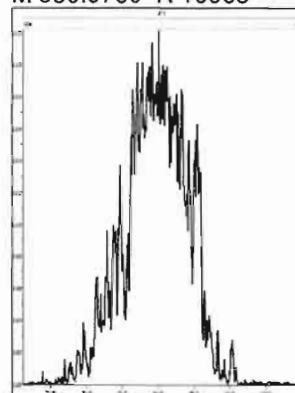
M 354.9792 R 11209

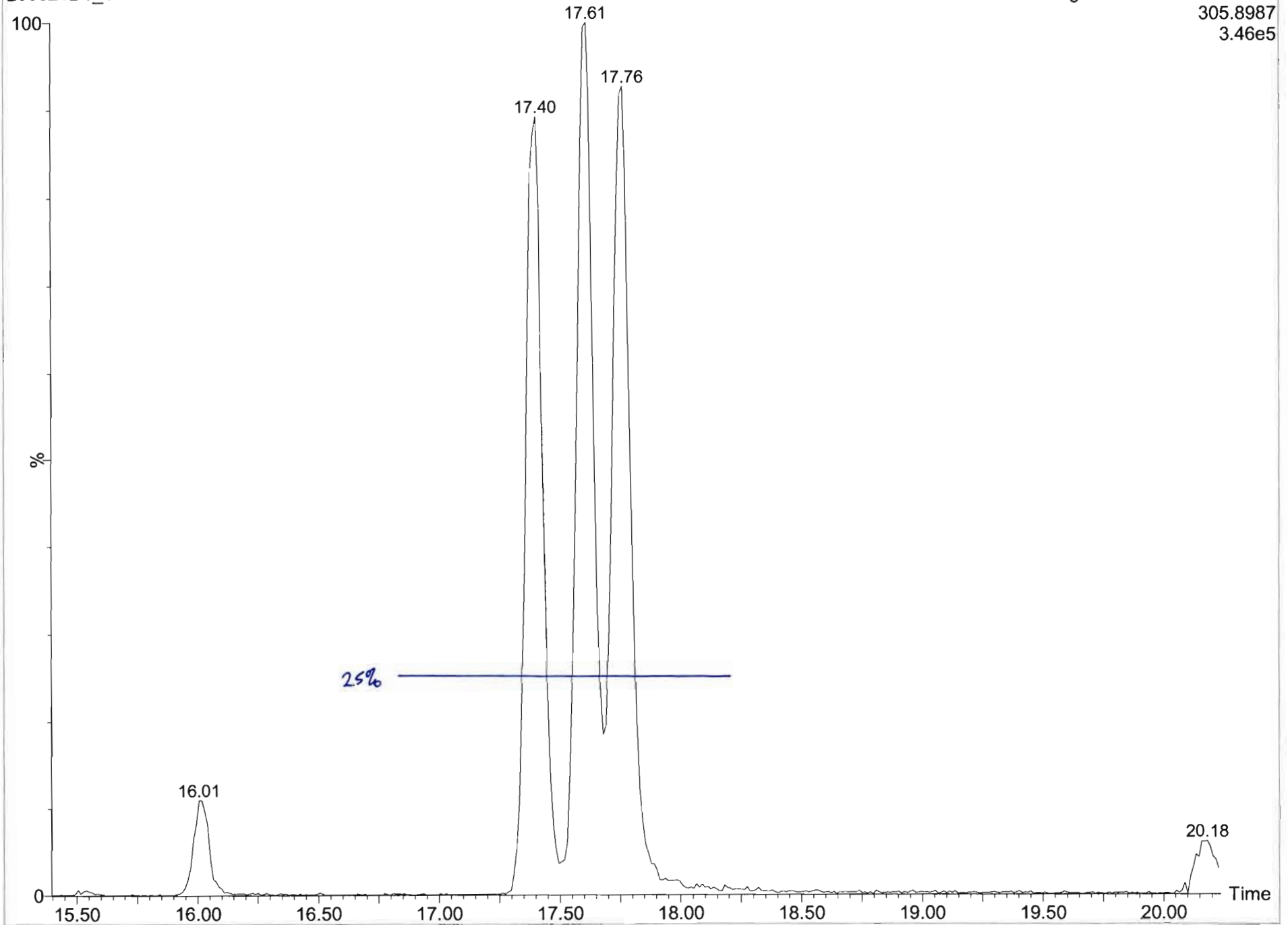


M 366.9792 R 10966



M 380.9760 R 10965





Dataset: U:\VG7.PRO\Results\200521D1\200521D1_1.qld

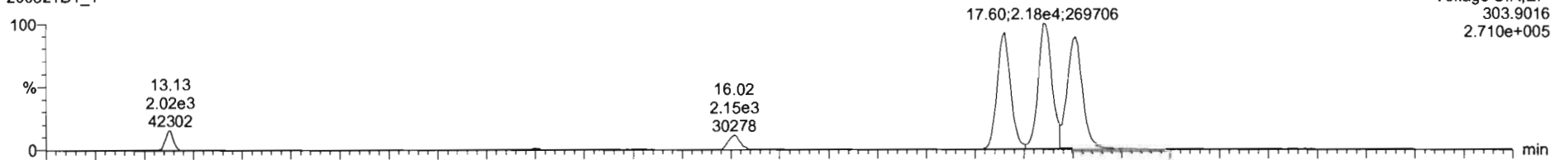
Last Altered: Thursday, May 21, 2020 12:57:48 Pacific Daylight Time
Printed: Thursday, May 21, 2020 12:58:53 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

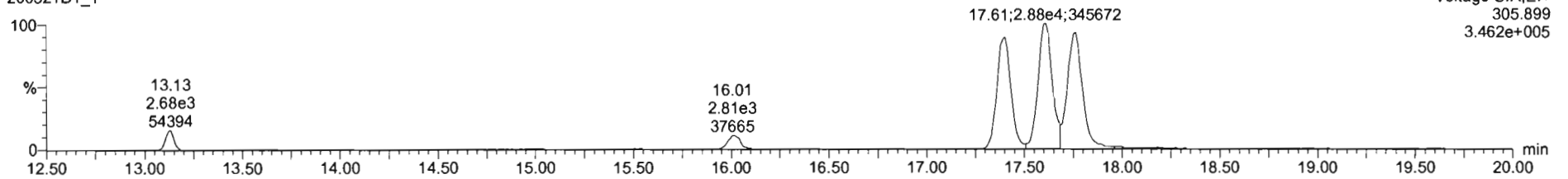
Name: 200521D1_1, Date: 21-May-2020, Time: 12:01:22, ID: CP200521D1-1 DB-225 CPSM, Description: DB-225 CPSM

2,3,7,8-TCDF

200521D1_1

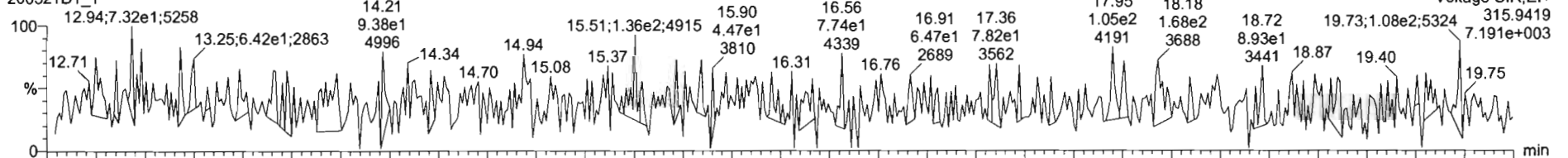


200521D1_1

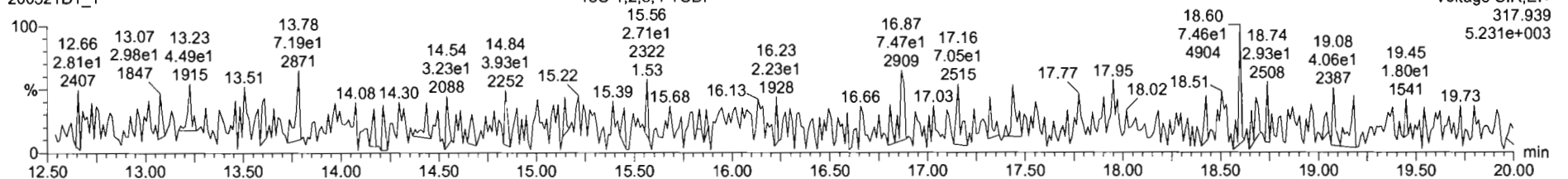


13C-2,3,7,8-TCDF

200521D1_1



200521D1_1

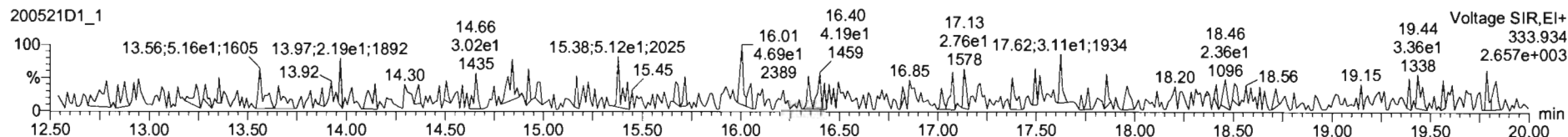
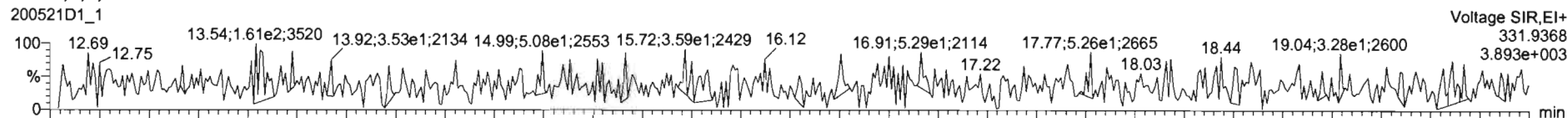


Dataset: U:\VG7.PRO\Results\200521D1\200521D1_1.qld

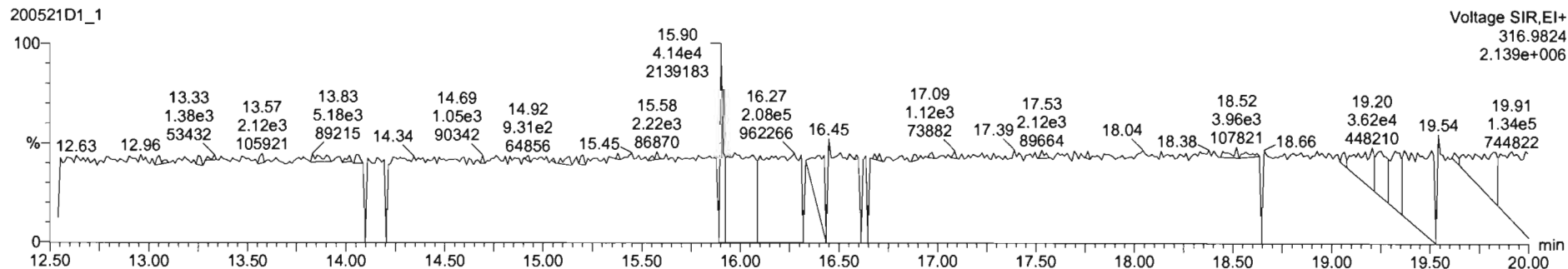
Last Altered: Thursday, May 21, 2020 12:57:48 Pacific Daylight Time
Printed: Thursday, May 21, 2020 12:58:53 Pacific Daylight Time

Name: 200521D1_1, Date: 21-May-2020, Time: 12:01:22, ID: CP200521D1-1 DB-225 CPSM, Description: DB-225 CPSM

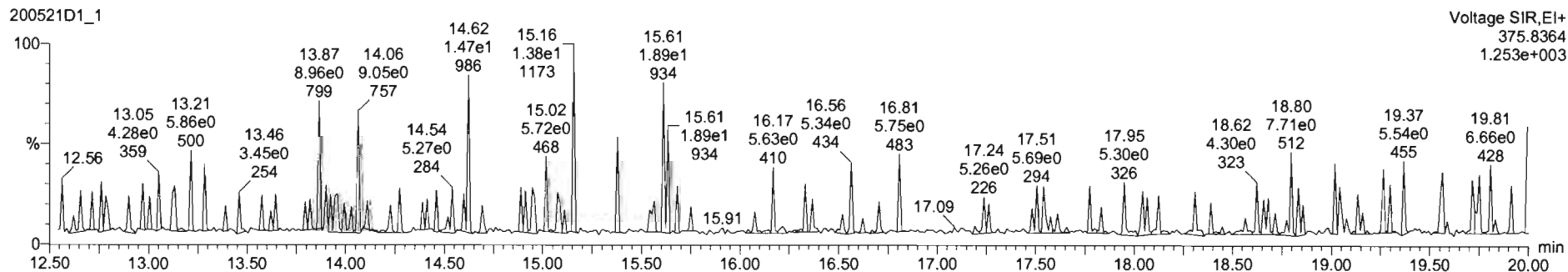
13C-1,2,3,4-TCDD



PFK1



DPE1



Dataset: U:\VG7.PRO\Results\200521D1\200521D1_2.qld

Last Altered: Thursday, May 21, 2020 12:56:06 Pacific Daylight Time

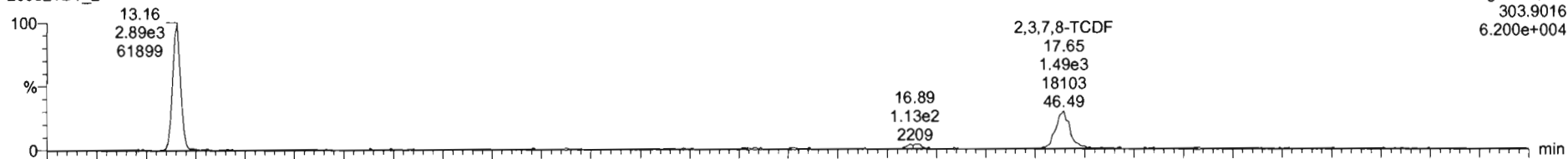
Printed: Thursday, May 21, 2020 12:57:31 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

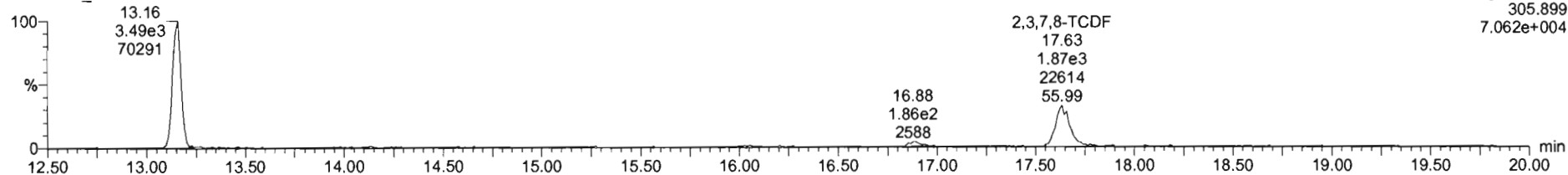
Name: 200521D1_2, Date: 21-May-2020, Time: 12:31:30, ID: ST200521D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDF

200521D1_2

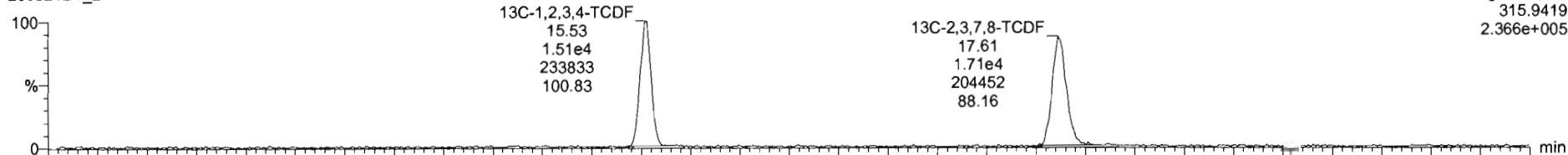


200521D1_2

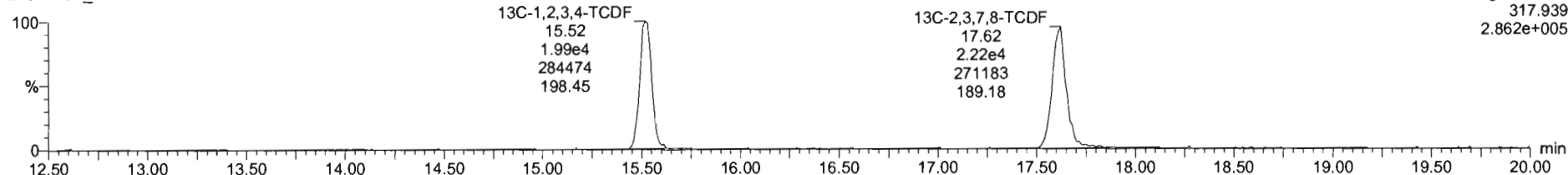


13C-2,3,7,8-TCDF

200521D1_2



200521D1_2



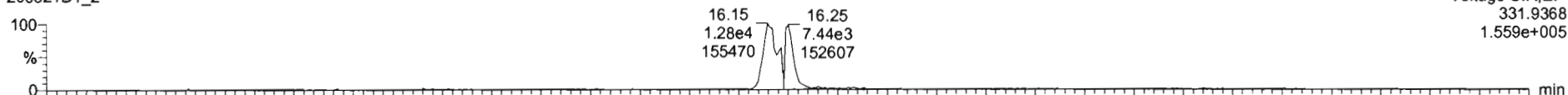
Dataset: U:\VG7.PRO\Results\200521D1\200521D1_2.qld

Last Altered: Thursday, May 21, 2020 12:56:06 Pacific Daylight Time
Printed: Thursday, May 21, 2020 12:57:31 Pacific Daylight Time

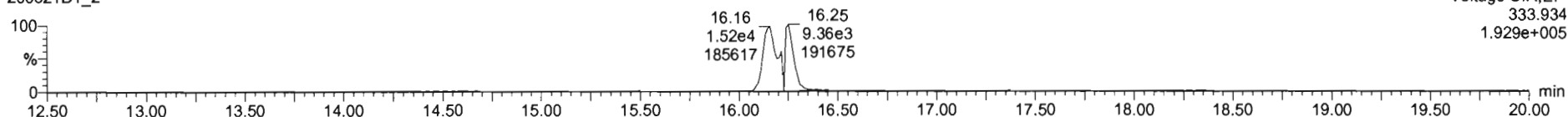
Name: 200521D1_2, Date: 21-May-2020, Time: 12:31:30, ID: ST200521D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200521D1_2

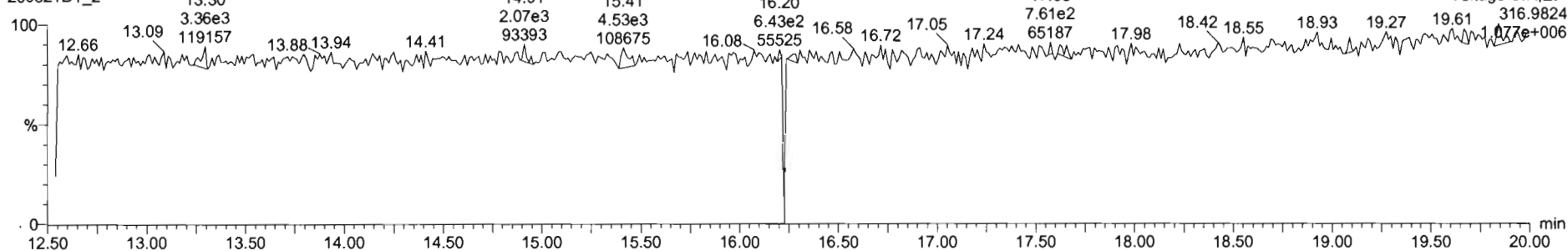


200521D1_2



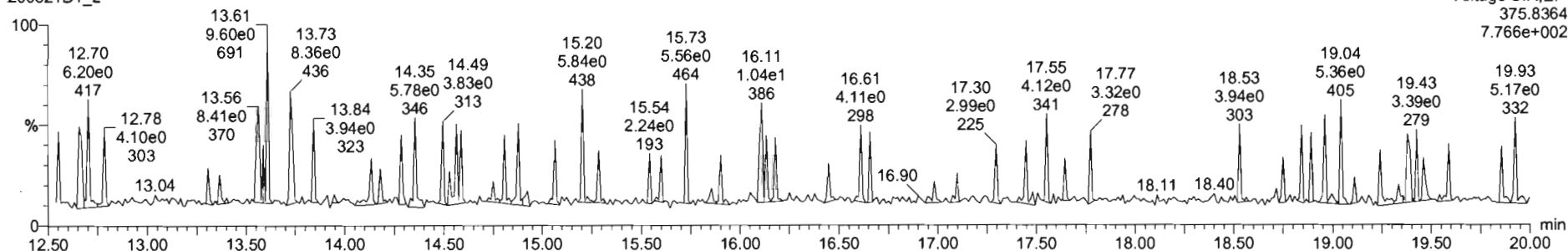
PFK1

200521D1_2



DPE1

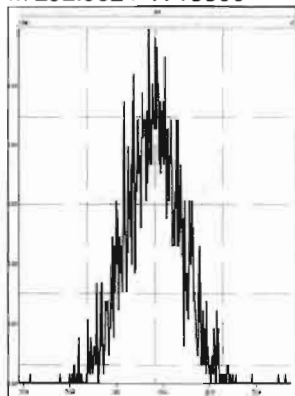
200521D1_2



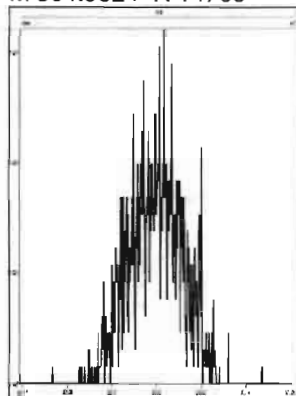
File: Experiment: tcdf_db225.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, May 21, 2020 23:07:29 Pacific Daylight Time

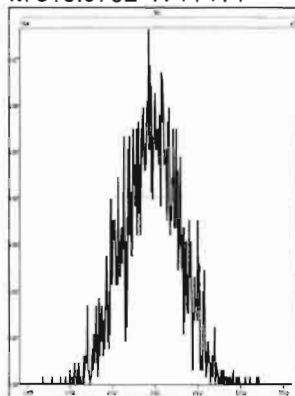
M 292.9824 R 13300



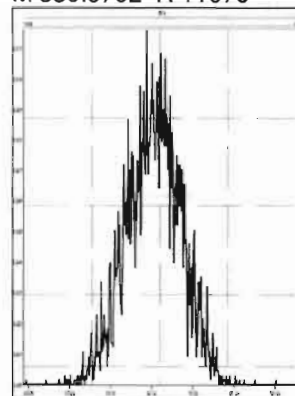
M 304.9824 R 14705



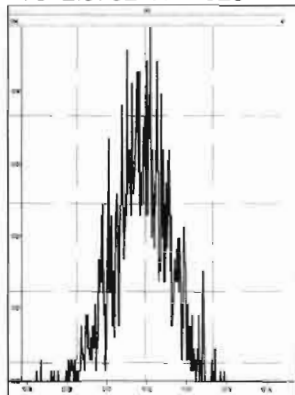
M 318.9792 R 11414



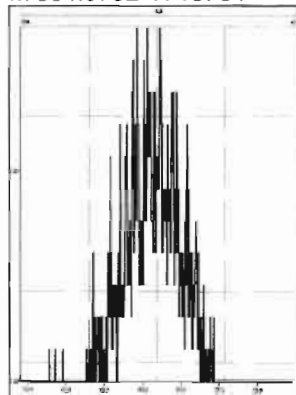
M 330.9792 R 11678



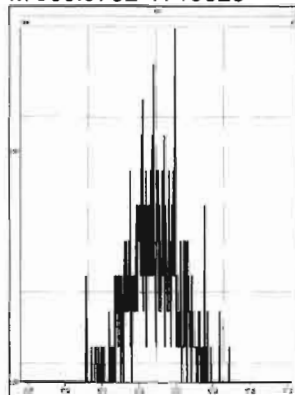
M 342.9792 R 11628



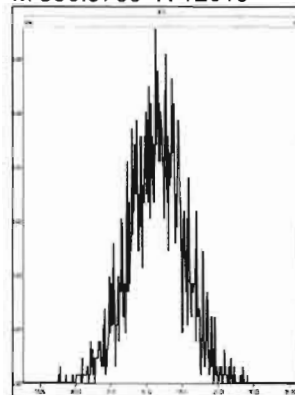
M 354.9792 R 13734



M 366.9792 R 19525



M 380.9760 R 12019



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200522D1-1

Reviewed By: CT 05/27/2020

Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>
First and last eluters present?	<input type="checkbox"/> NA	<input type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct ICAL referenced?	<u>DB</u>	<u> </u>
<u>Run Log:</u>		
- Correct Instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/> Y
- Samples within 12 hour clock?	(Y)	N
- Bottle position verified?	<u>DB</u>	<u> </u>

Mass resolution \geq

5k 6-8K 8K 10K
 1614 1699 429 1613/1668/8280

Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
GC Break <20%	<input type="checkbox"/> NA	

8280 CS1 End Standard:

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours

NA

Comments:

Dataset: U:\VG7.PRO\Results\200522D1\200522D1_2.qld

Last Altered: Friday, May 22, 2020 13:02:39 Pacific Daylight Time

Printed: Friday, May 22, 2020 13:03:51 Pacific Daylight Time

DB 5/22/20 C7 05/27/2020

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19

Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200522D1_2, Date: 22-May-2020, Time: 12:35:59, ID: ST200522D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	Area	Height	Width	FWHM	Resolution	Retention	Retention	Area	Area	Area	Area	Area	Area	
1 2,3,7,8-TCDF	2.37e3	0.81	NO	0.982	1.000	17.677	17.67	1.000	1.001	8.9026	89.0	84-120	0.621	8.90
2 13C-2,3,7,8-TCDF	2.71e4	0.77	NO	1.08	1.000	17.712	17.66	1.133	1.135	105.04	105	71-140	2.08	
3 13C-1,2,3,4-TCDF	2.39e4	0.77	NO	1.00	1.000	15.660	15.55	1.000	1.000	100.00	100		2.25	

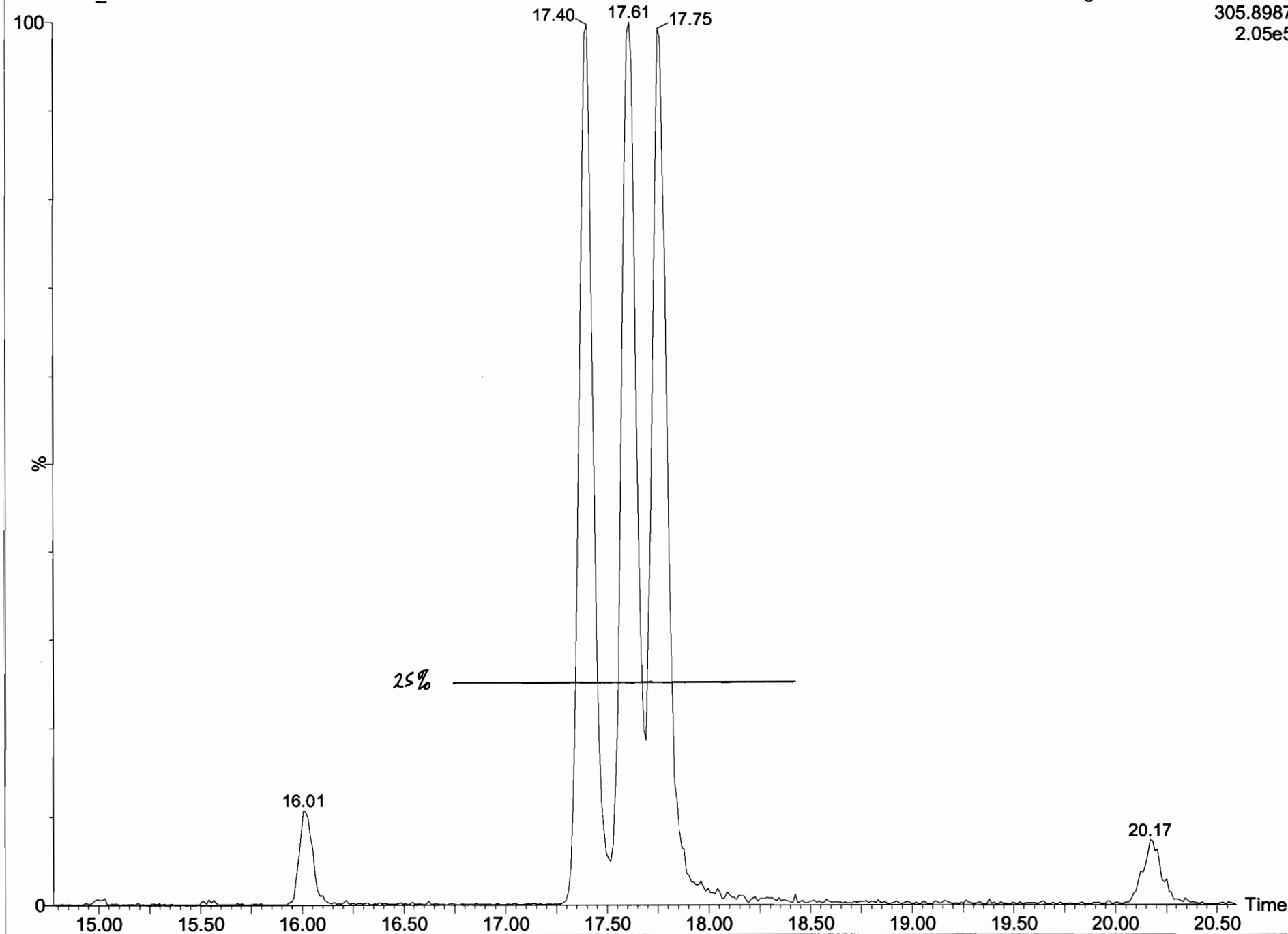
Dataset: Untitled

Last Altered: Tuesday, May 26, 2020 09:23:22 Pacific Daylight Time
Printed: Tuesday, May 26, 2020 09:23:38 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Compound name: 2,3,7,8-TCDF

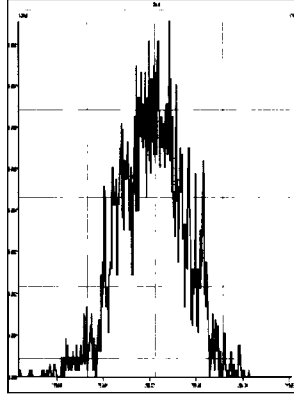
200522D1_1	CP200522D1-1 DB-225 CPSM	22-May-20	12:05:49
200522D1_2	ST200522D1-1 1613 CS3 19L2305	22-May-20	12:35:59
200522D1_3	SOLVENT BLANK	22-May-20	13:07:43
200522D1_4	2000957-06RE1 PDI-147SC-A-08-09-200425 ...	22-May-20	13:39:29
200522D1_5	2000957-07RE1 PDI-147SC-A-09-10-200425 ...	22-May-20	14:11:05
200522D1_6	2000957-08RE1 PDI-147SC-A-10-11-200425 ...	22-May-20	14:42:48
200522D1_7	2000957-09RE1 PDI-147SC-A-11-12-200425 ...	22-May-20	15:14:28
200522D1_8	2000957-10RE1 PDI-147SC-A-12-13-200425 ...	22-May-20	15:46:11
200522D1_9	2000957-11RE1 PDI-147SC-A-13-14-200425 ...	22-May-20	16:17:55
200522D1_10	2000957-12RE1 PDI-147SC-A-14-14.5-20042...	22-May-20	16:49:37
200522D1_11	2000957-13RE1 PDI-149SC-A-00-01-200425 ...	22-May-20	17:21:19
200522D1_12	B0E0022-DUP1RE1 Duplicate	22-May-20	17:53:01
200522D1_13	2000957-15RE1 PDI-149SC-A-05-06-200425 ...	22-May-20	18:24:46
200522D1_14	2000957-16RE1 PDI-149SC-A-06-07-200425 ...	22-May-20	18:56:20
200522D1_15	2000957-17RE1 PDI-149SC-A-07-08-200425 ...	22-May-20	19:28:02
200522D1_16	2000957-18RE1 PDI-149SC-A-08-09-200425 ...	22-May-20	19:59:43
200522D1_17	2000957-19RE1 PDI-149SC-A-09-10-200425 ...	22-May-20	20:31:26
200522D1_18	2000957-20RE1 PDI-149SC-A-10-11-200425 ...	22-May-20	21:03:09



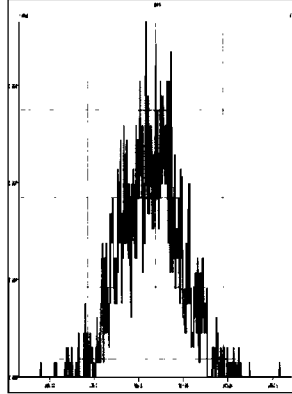
File: Experiment: tcdf_db225.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Friday, May 22, 2020 12:05:01 Pacific Daylight Time

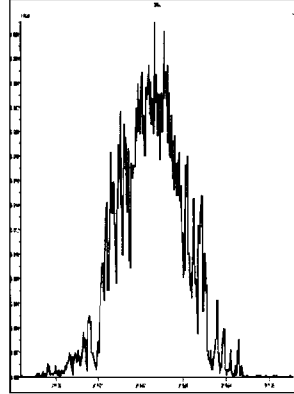
M 292.9824 R 12021



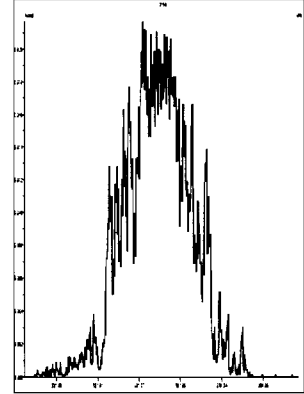
M 304.9824 R 12077



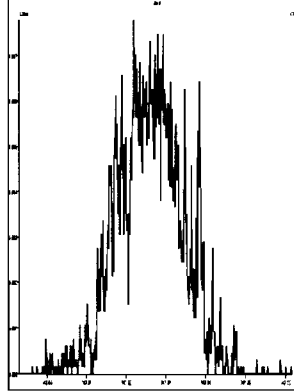
M 318.9792 R 11846



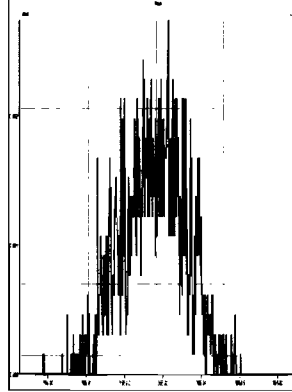
M 330.9792 R 10680



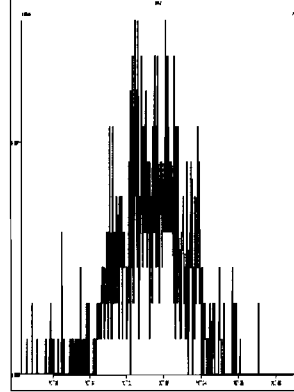
M 342.9792 R 11905



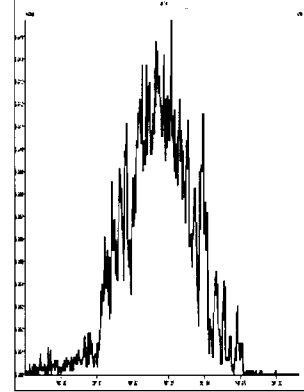
M 354.9792 R 12253



M 366.9792 R 18651



M 380.9760 R 11111



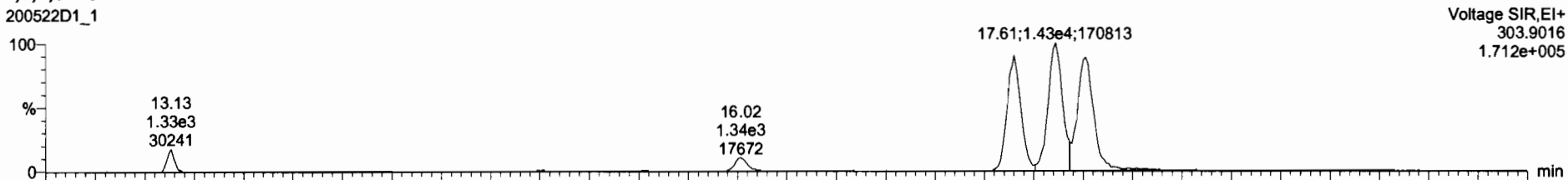
Dataset: U:\VG7.PRO\Results\200522D1\200522D1_1.qld

Last Altered: Friday, May 22, 2020 13:04:23 Pacific Daylight Time
Printed: Friday, May 22, 2020 13:05:31 Pacific Daylight Time

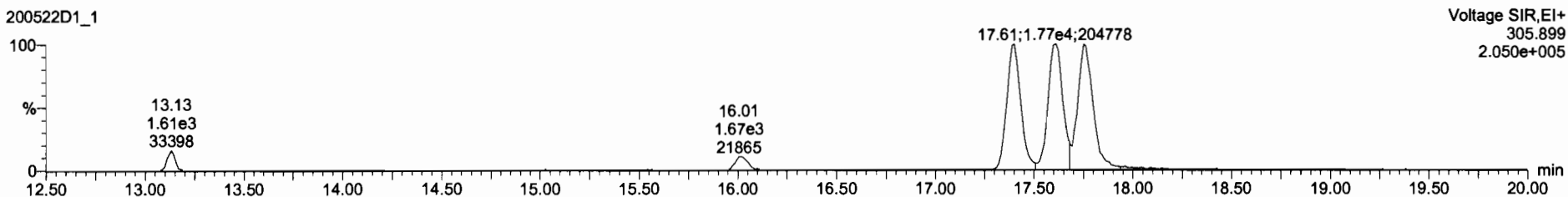
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200522D1_1, Date: 22-May-2020, Time: 12:05:49, ID: CP200522D1-1 DB-225 CPSM, Description: DB-225 CPSM

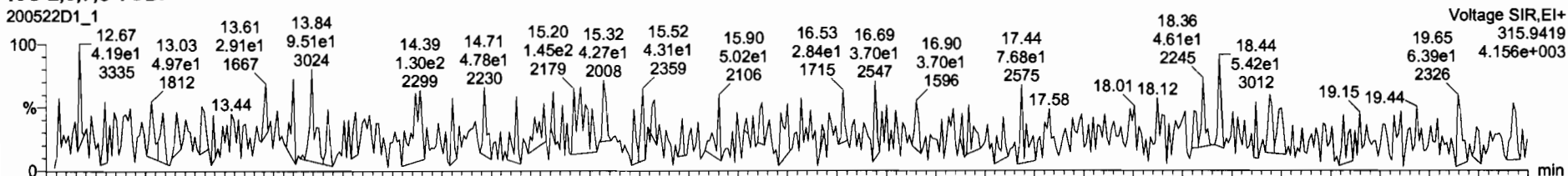
2,3,7,8-TCDF
200522D1_1



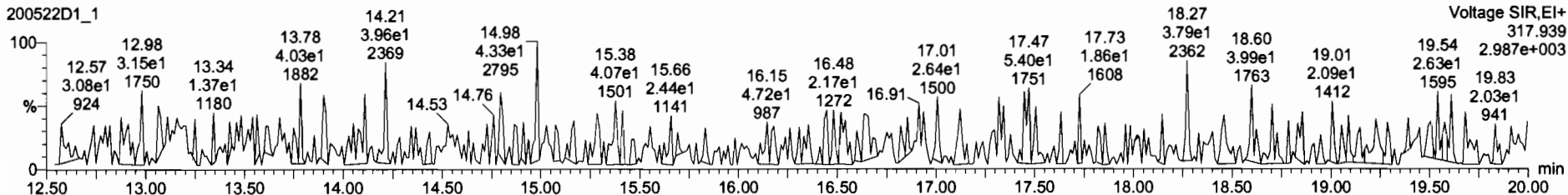
200522D1_1



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



200522D1_1

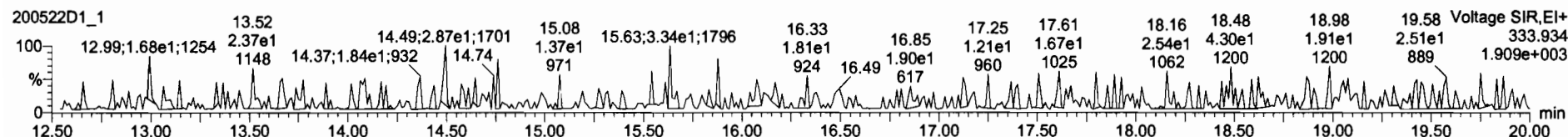
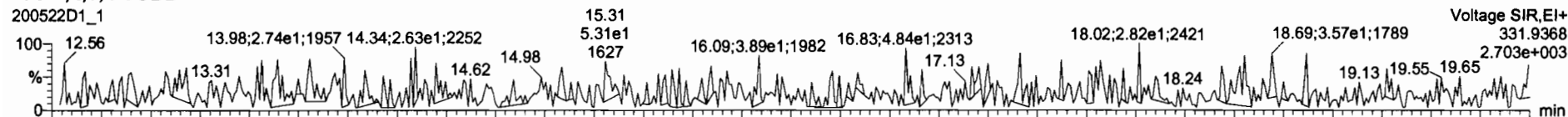


Dataset: U:\VG7.PRO\Results\200522D1\200522D1_1.qld

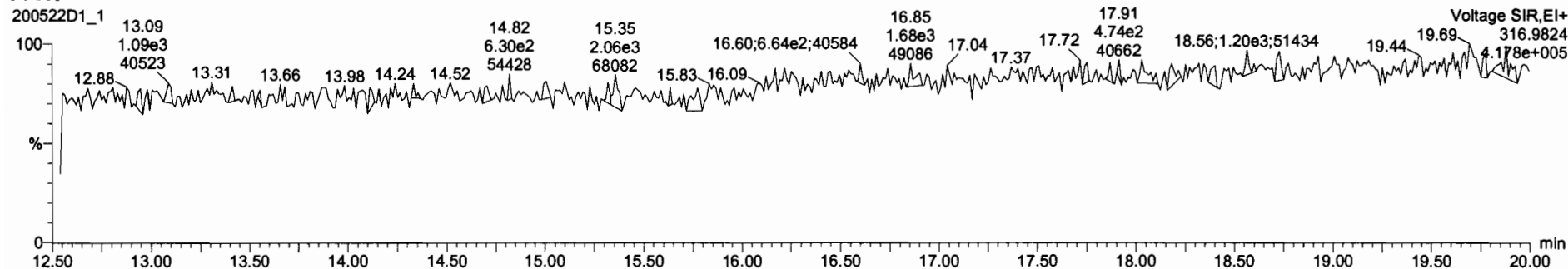
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Printed: Friday, May 22, 2020 13:05:31 Pacific Daylight Time

Name: 200522D1_1, Date: 22-May-2020, Time: 12:05:49, ID: CP200522D1-1 DB-225 CPSM, Description: DB-225 CPSM

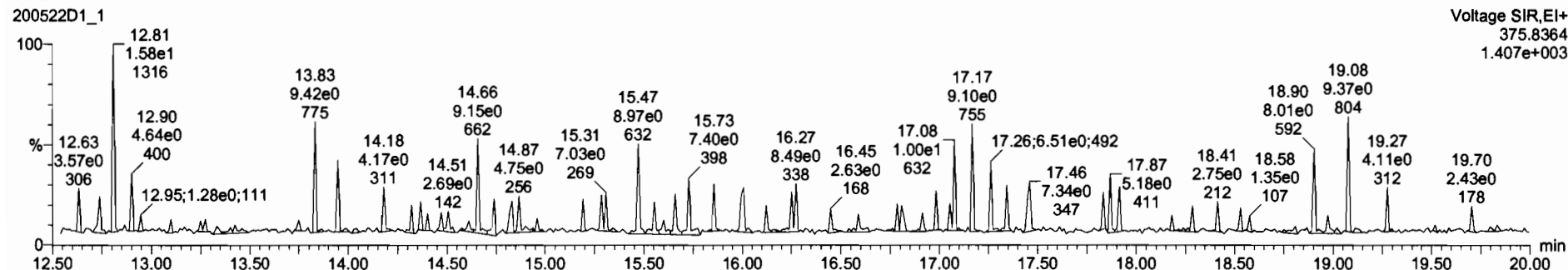
13C-1,2,3,4-TCDD



PFK1



DPE1



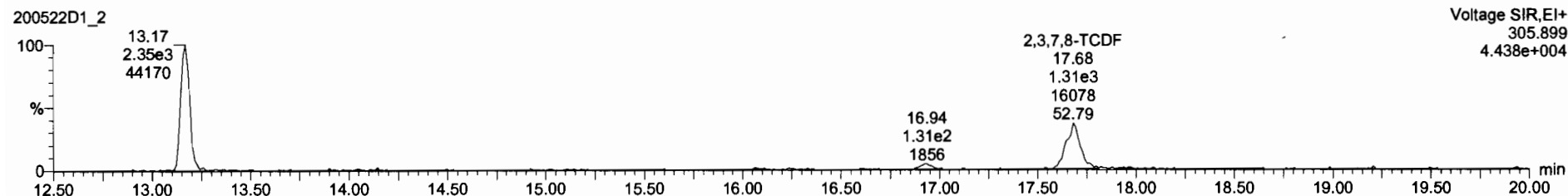
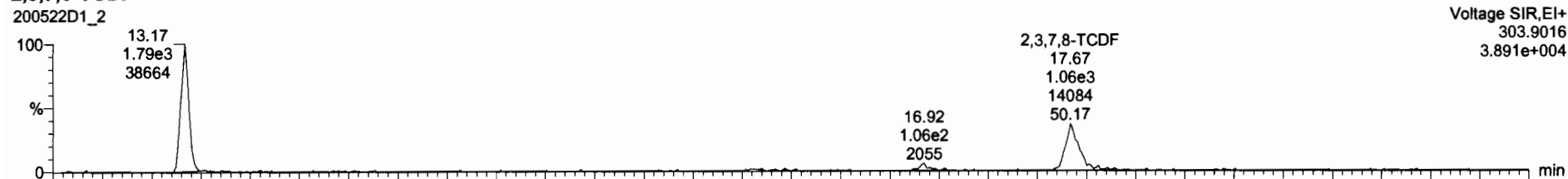
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Last Altered: Friday, May 22, 2020 13:02:39 Pacific Daylight Time
Printed: Friday, May 22, 2020 13:04:10 Pacific Daylight Time

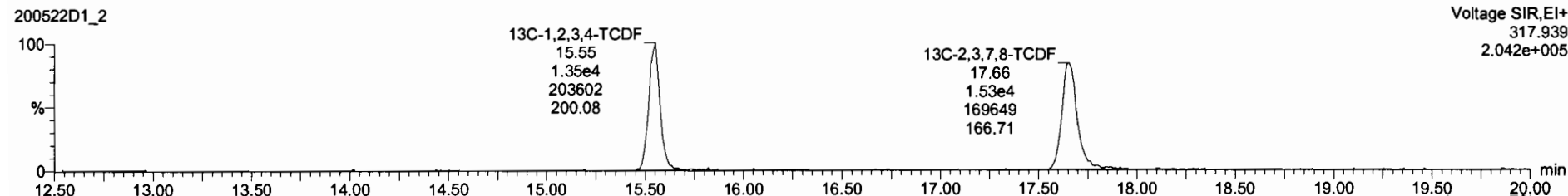
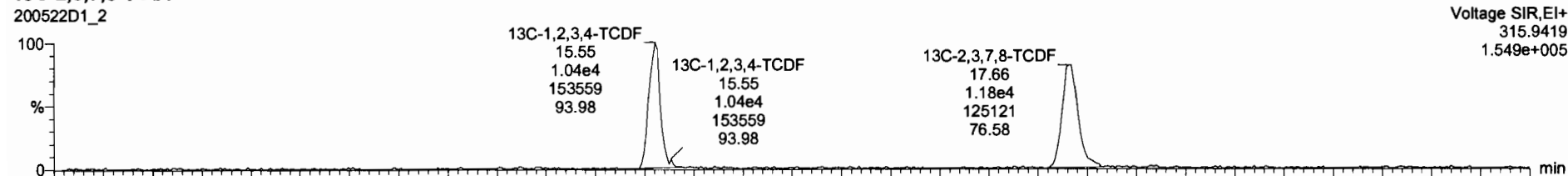
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\ldb-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200522D1_2, Date: 22-May-2020, Time: 12:35:59, ID: ST200522D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDF



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



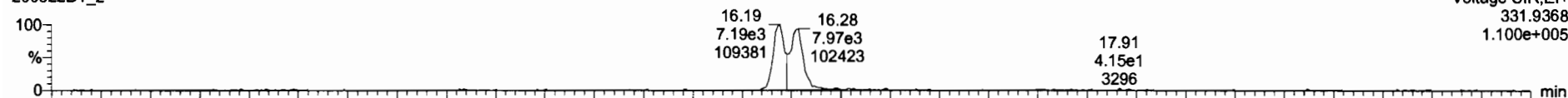
Dataset: U:\VG7.PRO\Results\200522D1\200522D1_2.qld

Last Altered: Friday, May 22, 2020 13:02:39 Pacific Daylight Time
Printed: Friday, May 22, 2020 13:04:10 Pacific Daylight Time

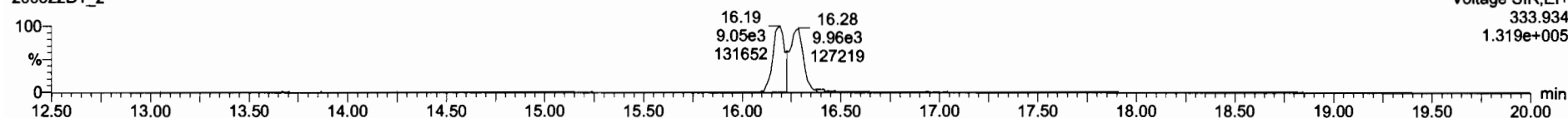
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13C-1,2,3,4-TCDD

200522D1_2

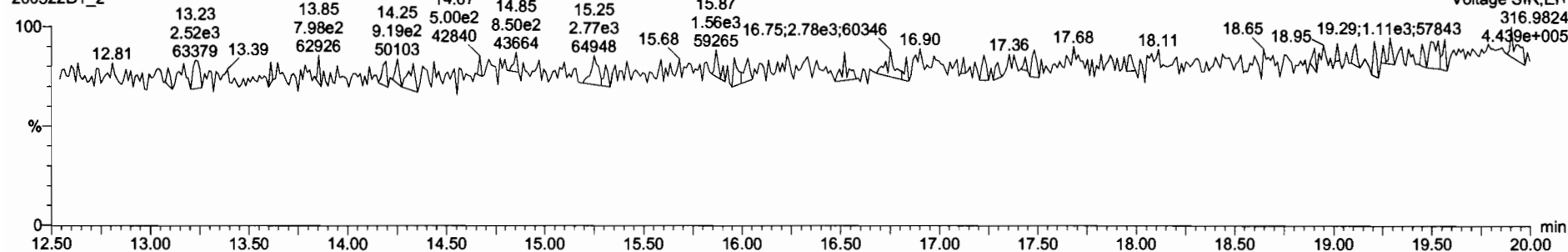


200522D1_2



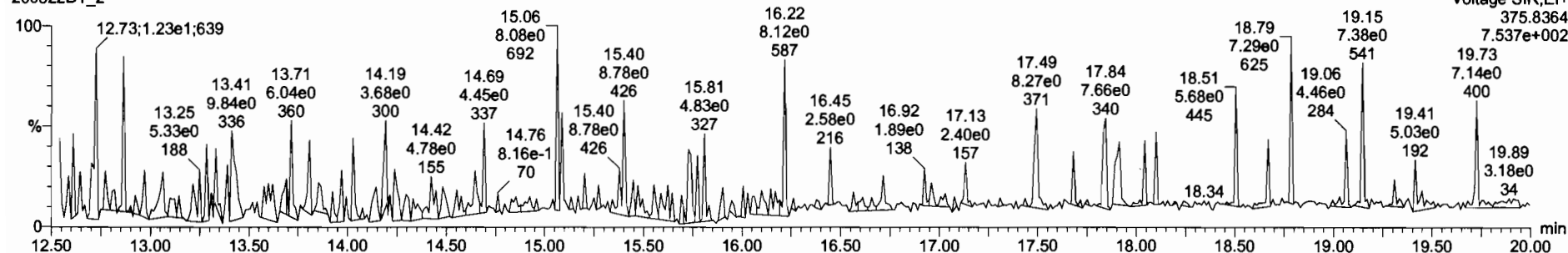
PFK1

200522D1_2



DPE1

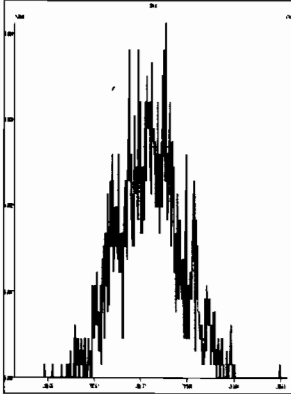
200522D1_2



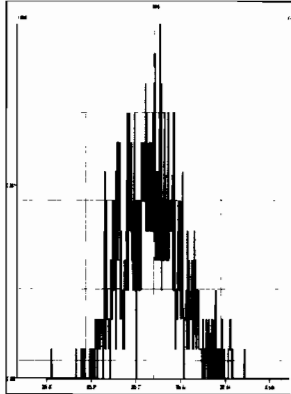
File: Experiment: tcdf_db225.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Friday, May 22, 2020 21:36:39 Pacific Daylight Time

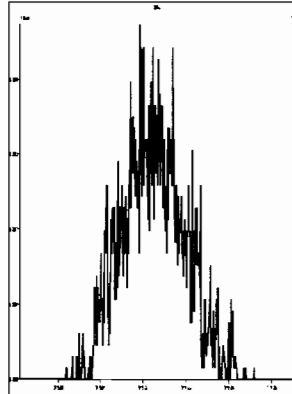
M 292.9824 R 10919



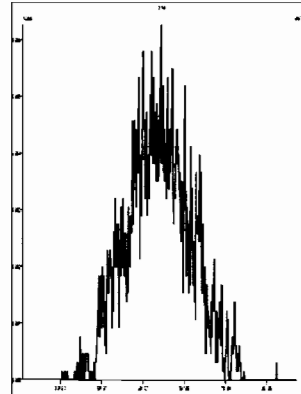
M 304.9824 R 13369



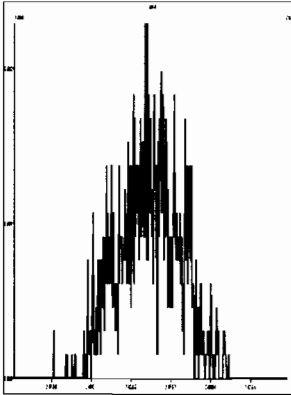
M 318.9792 R 10774



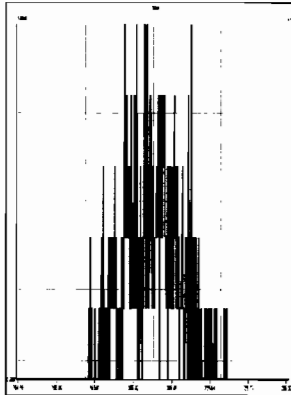
M 330.9792 R 10550



M 342.9792 R 12019



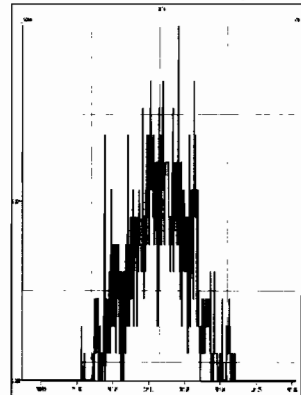
M 354.9792 R 17120



M 366.9792 R 47176



M 380.9760 R 12558



INITIAL CALIBRATION

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time

Printed: Thursday, April 30, 2020 7:56:51 AM Pacific Daylight Time

GRB 04/30/2020

CT 04/30/2020

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Compound name: 2,3,7,8-TCDD

Response Factor: 0.947465

RRF SD: 0.050672, Relative SD: 5.34817

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	200429R2_1	0.250	0.81	NO	26.07	1.002	3.67e3	1.71e6	0.227	-9.3	0.859	MM
2	200429R2_2	0.500	0.73	NO	26.05	1.001	6.88e3	1.49e6	0.486	-2.8	0.921	MM
3	200429R2_3	2.00	0.80	NO	26.05	1.001	2.77e4	1.43e6	2.04	2.1	0.968	MM
4	200429R2_4	10.0	0.76	NO	26.07	1.001	1.43e5	1.49e6	10.1	0.8	0.955	db
5	200429R2_5	40.0	0.79	NO	26.07	1.001	6.85e5	1.74e6	41.5	3.8	0.983	bb
6	200429R2_6	300	0.78	NO	26.05	1.001	6.08e6	2.03e6	316	5.4	0.998	bb

Compound name: 1,2,3,7,8-PeCDD

Response Factor: 0.942465

RRF SD: 0.0519271, Relative SD: 5.50971

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	200429R2_1	1.25	0.59	NO	31.13	1.000	1.26e4	1.18e6	1.13	-9.9	0.849	MM
2	200429R2_2	2.50	0.61	NO	31.14	1.000	2.41e4	1.02e6	2.49	-0.4	0.939	bb
3	200429R2_3	10.0	0.62	NO	31.13	1.000	9.99e4	9.92e5	10.7	6.8	1.01	bb
4	200429R2_4	50.0	0.62	NO	31.13	1.000	5.37e5	1.14e6	49.9	-0.2	0.941	bb
5	200429R2_5	200	0.63	NO	31.14	1.000	2.46e6	1.29e6	202	1.0	0.952	bb
6	200429R2_6	1500	0.63	NO	31.13	1.000	2.34e7	1.61e6	1540	2.6	0.967	bb

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time
 Printed: Thursday, April 30, 2020 7:56:51 AM Pacific Daylight Time

Compound name: 1,2,3,4,7,8-HxCDD

Response Factor: 1.06409

RRF SD: 0.0704393, Relative SD: 6.61967

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	200429R2_1	1.25	1.23	NO	34.49	1.000	1.06e4	9.05e5	1.10	-12.2	0.934	bd
2	200429R2_2	2.50	1.24	NO	34.51	1.000	2.05e4	7.45e5	2.58	3.2	1.10	bd
3	200429R2_3	10.0	1.25	NO	34.49	1.000	8.24e4	7.52e5	10.3	3.1	1.10	bd
4	200429R2_4	50.0	1.22	NO	34.51	1.000	4.42e5	8.49e5	48.9	-2.2	1.04	MM
5	200429R2_5	200	1.23	NO	34.51	1.000	2.14e6	9.92e5	203	1.5	1.08	bd
6	200429R2_6	1500	1.23	NO	34.49	1.000	2.19e7	1.29e6	1600	6.6	1.13	bd

Compound name: 1,2,3,6,7,8-HxCDD

Response Factor: 0.914514

RRF SD: 0.0597197, Relative SD: 6.53021

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	200429R2_1	1.25	1.18	NO	34.60	1.000	1.19e4	1.16e6	1.12	-10.3	0.820	db
2	200429R2_2	2.50	1.19	NO	34.60	1.000	2.18e4	9.85e5	2.42	-3.1	0.886	db
3	200429R2_3	10.0	1.26	NO	34.60	1.000	9.42e4	9.49e5	10.8	8.4	0.992	db
4	200429R2_4	50.0	1.20	NO	34.60	1.000	4.89e5	1.08e6	49.6	-0.9	0.906	MM
5	200429R2_5	200	1.23	NO	34.61	1.000	2.38e6	1.24e6	210	5.0	0.960	db
6	200429R2_6	1500	1.24	NO	34.60	1.001	2.35e7	1.70e6	1510	0.9	0.922	db

Compound name: 1,2,3,7,8,9-HxCDD

Response Factor: 0.914931

RRF SD: 0.0698725, Relative SD: 7.63691

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	200429R2_1	1.25	1.17	NO	34.87	1.000	9.95e3	1.02e6	1.07	-14.6	0.782	MM
2	200429R2_2	2.50	1.21	NO	34.88	1.000	1.98e4	8.50e5	2.55	1.9	0.933	MM

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time

Printed: Thursday, April 30, 2020 7:56:51 AM Pacific Daylight Time

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	200429R2_3	10.0	1.24	NO	34.88	1.001	8.11e4	8.34e5	10.6	6.3	0.973	bb
4	200429R2_4	50.0	1.24	NO	34.88	1.000	4.19e5	9.34e5	49.1	-1.8	0.898	bb
5	200429R2_5	200	1.24	NO	34.89	1.001	2.07e6	1.09e6	208	4.2	0.953	bb
6	200429R2_6	1500	1.23	NO	34.87	1.000	2.08e7	1.46e6	1560	4.0	0.951	bb

Compound name: 1,2,3,4,6,7,8-HpCDD

Response Factor: 0.897908

RRF SD: 0.0622499, Relative SD: 6.93277

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	200429R2_1	1.25	1.08	NO	38.38	1.001	7.93e3	8.17e5	1.08	-13.5	0.777	bb
2	200429R2_2	2.50	1.01	NO	38.37	1.000	1.48e4	6.60e5	2.50	-0.2	0.896	MM
3	200429R2_3	10.0	1.08	NO	38.36	1.000	5.91e4	6.39e5	10.3	3.1	0.925	bd
4	200429R2_4	50.0	0.99	NO	38.38	1.000	3.08e5	6.79e5	50.5	1.0	0.907	bb
5	200429R2_5	200	1.02	NO	38.38	1.000	1.52e6	8.11e5	208	4.1	0.934	bb
6	200429R2_6	1500	1.02	NO	38.37	1.001	1.60e7	1.13e6	1580	5.6	0.948	bb

Compound name: OCDD

Response Factor: 0.93349

RRF SD: 0.0706604, Relative SD: 7.56949

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	200429R2_1	2.50	0.86	NO	41.35	1.000	1.41e4	1.42e6	2.13	-14.8	0.796	MM
2	200429R2_2	5.00	0.91	NO	41.35	1.000	2.79e4	1.21e6	4.96	-0.8	0.926	bd
3	200429R2_3	20.0	0.88	NO	41.34	1.000	1.08e5	1.10e6	21.2	5.8	0.988	MM
4	200429R2_4	100	0.88	NO	41.35	1.000	5.63e5	1.18e6	102	2.5	0.957	MM
5	200429R2_5	400	0.90	NO	41.35	1.000	2.87e6	1.50e6	411	2.7	0.959	MM
6	200429R2_6	3000	0.89	NO	41.34	1.000	3.39e7	2.31e6	3140	4.6	0.976	MM

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time
 Printed: Thursday, April 30, 2020 7:56:51 AM Pacific Daylight Time

Compound name: 2,3,7,8-TCDF

Response Factor: 0.787102

RRF SD: 0.0402419, Relative SD: 5.11266

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	200429R2_1	0.250	0.82	NO	25.09	1.001	4.51e3	2.52e6	0.228	-8.9	0.717	MM
2	200429R2_2	0.500	0.75	NO	25.11	1.001	8.73e3	2.22e6	0.501	0.1	0.788	MM
3	200429R2_3	2.00	0.74	NO	25.11	1.001	3.42e4	2.09e6	2.08	4.1	0.820	bb
4	200429R2_4	10.0	0.74	NO	25.11	1.001	1.65e5	2.15e6	9.76	-2.4	0.768	bb
5	200429R2_5	40.0	0.75	NO	25.12	1.001	8.12e5	2.52e6	41.0	2.4	0.806	bb
6	200429R2_6	300	0.75	NO	25.09	1.001	7.19e6	2.91e6	314	4.7	0.824	bb

Compound name: 1,2,3,7,8-PeCDF

Response Factor: 0.910199

RRF SD: 0.0533229, Relative SD: 5.85838

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	200429R2_1	1.25	1.63	NO	29.81	1.000	1.97e4	1.94e6	1.12	-10.8	0.812	MM
2	200429R2_2	2.50	1.54	NO	29.83	1.000	3.85e4	1.69e6	2.50	0.1	0.911	MM
3	200429R2_3	10.0	1.57	NO	29.81	1.000	1.60e5	1.64e6	10.7	7.0	0.974	bb
4	200429R2_4	50.0	1.59	NO	29.81	1.000	8.46e5	1.86e6	50.0	0.0	0.910	bb
5	200429R2_5	200	1.55	NO	29.83	1.000	3.84e6	2.07e6	203	1.7	0.926	bb
6	200429R2_6	1500	1.56	NO	29.81	1.000	3.59e7	2.58e6	1530	1.9	0.928	bb

Compound name: 2,3,4,7,8-PeCDF

Response Factor: 0.96636

RRF SD: 0.0480881, Relative SD: 4.97621

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	200429R2_1	1.25	1.49	NO	30.80	1.000	2.03e4	1.84e6	1.14	-8.8	0.881	MM
2	200429R2_2	2.50	1.53	NO	30.82	1.000	3.90e4	1.62e6	2.50	-0.1	0.966	MM

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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	200429R2_3	10.0	1.60	NO	30.80	1.000	1.61e5	1.57e6	10.6	6.4	1.03	bb
4	200429R2_4	50.0	1.56	NO	30.80	1.000	8.75e5	1.82e6	49.8	-0.4	0.962	bb
5	200429R2_5	200	1.55	NO	30.82	1.000	3.97e6	2.01e6	204	2.1	0.987	bb
6	200429R2_6	1500	1.54	NO	30.81	1.000	3.66e7	2.51e6	1510	0.7	0.973	bb

Compound name: 1,2,3,4,7,8-HxCDF

Response Factor: 0.878238

RRF SD: 0.066642, Relative SD: 7.58815

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	200429R2_1	1.25	1.13	NO	33.64	1.001	1.14e4	1.22e6	1.06	-14.9	0.748	bd
2	200429R2_2	2.50	1.21	NO	33.64	1.000	2.26e4	1.02e6	2.52	0.9	0.886	bd
3	200429R2_3	10.0	1.22	NO	33.63	1.000	9.51e4	1.02e6	10.6	6.4	0.935	bd
4	200429R2_4	50.0	1.22	NO	33.64	1.000	5.03e5	1.13e6	50.6	1.1	0.888	bd
5	200429R2_5	200	1.19	NO	33.64	1.000	2.34e6	1.31e6	204	2.1	0.896	bd
6	200429R2_6	1500	1.19	NO	33.63	1.000	2.35e7	1.71e6	1570	4.4	0.917	bd

Compound name: 1,2,3,6,7,8-HxCDF

Response Factor: 0.873971

RRF SD: 0.0632141, Relative SD: 7.23298

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	200429R2_1	1.25	1.23	NO	33.76	1.001	1.35e4	1.41e6	1.09	-12.6	0.763	MM
2	200429R2_2	2.50	1.19	NO	33.76	1.000	2.55e4	1.18e6	2.46	-1.4	0.861	db
3	200429R2_3	10.0	1.20	NO	33.76	1.001	1.09e5	1.14e6	11.0	9.5	0.957	dd
4	200429R2_4	50.0	1.17	NO	33.76	1.000	5.58e5	1.26e6	50.6	1.2	0.885	db
5	200429R2_5	200	1.19	NO	33.77	1.001	2.62e6	1.46e6	205	2.7	0.897	db
6	200429R2_6	1500	1.19	NO	33.75	1.000	2.52e7	1.91e6	1510	0.7	0.880	db

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Compound name: 2,3,4,6,7,8-HxCDF

Response Factor: 0.921711

RRF SD: 0.0708547, Relative SD: 7.6873

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	200429R2_1	1.25	1.14	NO	34.32	1.000	1.24e4	1.26e6	1.07	-14.7	0.786	bb
2	200429R2_2	2.50	1.16	NO	34.33	1.001	2.38e4	1.05e6	2.46	-1.5	0.908	MM
3	200429R2_3	10.0	1.22	NO	34.32	1.000	1.02e5	1.03e6	10.7	7.1	0.987	bb
4	200429R2_4	50.0	1.17	NO	34.33	1.000	5.42e5	1.14e6	51.6	3.2	0.951	bb
5	200429R2_5	200	1.19	NO	34.33	1.000	2.49e6	1.31e6	206	3.0	0.950	bb
6	200429R2_6	1500	1.19	NO	34.33	1.000	2.48e7	1.74e6	1540	2.9	0.948	bb

Compound name: 1,2,3,7,8,9-HxCDF

Response Factor: 0.864187

RRF SD: 0.0516808, Relative SD: 5.98028

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	200429R2_1	1.25	1.22	NO	35.21	1.000	9.52e3	9.91e5	1.11	-11.0	0.769	MM
2	200429R2_2	2.50	1.21	NO	35.21	1.000	1.86e4	8.77e5	2.45	-1.8	0.848	MM
3	200429R2_3	10.0	1.22	NO	35.21	1.000	7.78e4	8.59e5	10.5	4.9	0.906	bb
4	200429R2_4	50.0	1.17	NO	35.22	1.000	4.02e5	9.29e5	50.1	0.2	0.866	bb
5	200429R2_5	200	1.19	NO	35.22	1.000	1.99e6	1.11e6	207	3.7	0.896	bb
6	200429R2_6	1500	1.20	NO	35.21	1.000	1.98e7	1.47e6	1560	4.0	0.899	bb

Compound name: 1,2,3,4,6,7,8-HpCDF

Response Factor: 0.871204

RRF SD: 0.0656544, Relative SD: 7.53606

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	200429R2_1	1.25	0.99	NO	36.94	1.000	8.60e3	9.24e5	1.07	-14.5	0.745	MM
2	200429R2_2	2.50	1.00	NO	36.97	1.001	1.73e4	7.84e5	2.54	1.5	0.884	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	200429R2_3	10.0	0.95	NO	36.96	1.000	6.95e4	7.69e5	10.4	3.7	0.903	MM
4	200429R2_4	50.0	0.96	NO	36.97	1.000	3.72e5	8.65e5	49.4	-1.2	0.861	bb
5	200429R2_5	200	0.99	NO	36.97	1.000	1.79e6	9.81e5	210	5.0	0.914	bb
6	200429R2_6	1500	0.99	NO	36.96	1.001	1.89e7	1.37e6	1580	5.5	0.919	bb

Compound name: 1,2,3,4,7,8,9-HpCDF

Response Factor: 1.01156

RRF SD: 0.0670054, Relative SD: 6.62397

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	200429R2_1	1.25	0.97	NO	38.95	1.000	6.68e3	5.96e5	1.11	-11.4	0.897	MM
2	200429R2_2	2.50	0.96	NO	38.95	1.000	1.20e4	4.92e5	2.41	-3.7	0.974	MM
3	200429R2_3	10.0	1.01	NO	38.95	1.000	4.94e4	4.72e5	10.4	3.5	1.05	MM
4	200429R2_4	50.0	1.00	NO	38.96	1.000	2.60e5	5.12e5	50.2	0.3	1.01	bb
5	200429R2_5	200	0.99	NO	38.96	1.000	1.29e6	6.09e5	209	4.7	1.06	bb
6	200429R2_6	1500	0.99	NO	38.94	1.000	1.43e7	8.85e5	1600	6.5	1.08	bb

Compound name: OCDF

Response Factor: 0.802147

RRF SD: 0.0574516, Relative SD: 7.16223

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	200429R2_1	2.50	0.84	NO	41.52	1.000	1.41e4	1.62e6	2.17	-13.4	0.695	MM
2	200429R2_2	5.00	0.85	NO	41.52	1.000	2.74e4	1.40e6	4.88	-2.4	0.783	MM
3	200429R2_3	20.0	0.88	NO	41.52	1.000	1.07e5	1.27e6	21.0	5.0	0.842	bb
4	200429R2_4	100	0.86	NO	41.53	1.000	5.36e5	1.32e6	101	1.3	0.813	bb
5	200429R2_5	400	0.87	NO	41.53	1.000	2.84e6	1.69e6	420	5.0	0.842	bb
6	200429R2_6	3000	0.87	NO	41.52	1.000	3.30e7	2.63e6	3130	4.4	0.838	bb

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Compound name: 13C-2,3,7,8-TCDD

Response Factor: 1.15948

RRF SD: 0.103741, Relative SD: 8.94721

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	200429R2_1	100	0.79	NO	26.02	1.027	1.71e6	1.32e6	112	11.9	1.30	bb
2	200429R2_2	100	0.79	NO	26.03	1.027	1.49e6	1.44e6	89.7	-10.3	1.04	bb
3	200429R2_3	100	0.80	NO	26.02	1.026	1.43e6	1.38e6	89.4	-10.6	1.04	bb
4	200429R2_4	100	0.80	NO	26.03	1.027	1.49e6	1.28e6	100	0.3	1.16	bb
5	200429R2_5	100	0.79	NO	26.03	1.027	1.74e6	1.45e6	103	3.3	1.20	MM
6	200429R2_6	100	0.79	NO	26.02	1.027	2.03e6	1.66e6	105	5.4	1.22	bb

Compound name: 13C-1,2,3,7,8-PeCDD

Response Factor: 0.847234

RRF SD: 0.105802, Relative SD: 12.488

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	200429R2_1	100	0.64	NO	31.11	1.227	1.18e6	1.32e6	106	6.2	0.900	bb
2	200429R2_2	100	0.65	NO	31.13	1.227	1.02e6	1.44e6	84.2	-15.8	0.713	bb
3	200429R2_3	100	0.64	NO	31.11	1.227	9.92e5	1.38e6	84.9	-15.1	0.719	bb
4	200429R2_4	100	0.65	NO	31.11	1.227	1.14e6	1.28e6	105	5.0	0.889	bb
5	200429R2_5	100	0.63	NO	31.13	1.227	1.29e6	1.45e6	105	5.1	0.890	bb
6	200429R2_6	100	0.64	NO	31.11	1.227	1.61e6	1.66e6	115	14.6	0.971	bb

Compound name: 13C-1,2,3,4,7,8-HxCDD

Response Factor: 0.749916

RRF SD: 0.0958664, Relative SD: 12.7836

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	200429R2_1	100	1.27	NO	34.48	1.014	9.05e5	1.10e6	109	9.5	0.821	bd
2	200429R2_2	100	1.30	NO	34.49	1.014	7.45e5	1.19e6	83.5	-16.5	0.626	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	200429R2_3	100	1.29	NO	34.48	1.014	7.52e5	1.15e6	87.1	-12.9	0.653	bd
4	200429R2_4	100	1.29	NO	34.49	1.014	8.49e5	1.15e6	98.6	-1.4	0.739	bd
5	200429R2_5	100	1.28	NO	34.49	1.014	9.92e5	1.26e6	105	5.3	0.790	bd
6	200429R2_6	100	1.27	NO	34.48	1.014	1.29e6	1.48e6	116	16.0	0.870	bd

Compound name: 13C-1,2,3,6,7,8-HxCDD

Response Factor: 0.963047

RRF SD: 0.127006, Relative SD: 13.1879

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	200429R2_1	100	1.28	NO	34.59	1.017	1.16e6	1.10e6	109	9.3	1.05	db
2	200429R2_2	100	1.29	NO	34.59	1.017	9.85e5	1.19e6	85.9	-14.1	0.827	db
3	200429R2_3	100	1.29	NO	34.59	1.017	9.49e5	1.15e6	85.7	-14.3	0.825	db
4	200429R2_4	100	1.26	NO	34.59	1.017	1.08e6	1.15e6	97.7	-2.3	0.941	db
5	200429R2_5	100	1.27	NO	34.60	1.017	1.24e6	1.26e6	102	2.2	0.985	db
6	200429R2_6	100	1.26	NO	34.58	1.017	1.70e6	1.48e6	119	19.2	1.15	db

Compound name: 13C-1,2,3,7,8,9-HxCDD

Response Factor: 0.83755

RRF SD: 0.108482, Relative SD: 12.9523

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	200429R2_1	100	1.31	NO	34.86	1.025	1.02e6	1.10e6	110	10.2	0.923	bd
2	200429R2_2	100	1.28	NO	34.87	1.025	8.50e5	1.19e6	85.2	-14.8	0.713	bb
3	200429R2_3	100	1.25	NO	34.86	1.025	8.34e5	1.15e6	86.5	-13.5	0.724	bb
4	200429R2_4	100	1.25	NO	34.87	1.025	9.34e5	1.15e6	97.2	-2.8	0.814	bb
5	200429R2_5	100	1.25	NO	34.87	1.025	1.09e6	1.26e6	103	3.2	0.864	bb
6	200429R2_6	100	1.25	NO	34.86	1.025	1.46e6	1.48e6	118	17.7	0.986	bb

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

Response Factor: 0.641477

RRF SD: 0.0915679, Relative SD: 14.2745

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	200429R2_1	100	1.06	NO	38.35	1.128	8.17e5	1.10e6	116	15.5	0.741	bd
2	200429R2_2	100	1.06	NO	38.36	1.128	6.60e5	1.19e6	86.4	-13.6	0.554	MM
3	200429R2_3	100	1.02	NO	38.36	1.128	6.39e5	1.15e6	86.5	-13.5	0.555	bb
4	200429R2_4	100	1.09	NO	38.37	1.128	6.79e5	1.15e6	92.2	-7.8	0.592	MM
5	200429R2_5	100	1.02	NO	38.37	1.128	8.11e5	1.26e6	101	0.6	0.646	bb
6	200429R2_6	100	1.05	NO	38.35	1.128	1.13e6	1.48e6	119	18.7	0.761	bb

Compound name: 13C-OCDD

Response Factor: 0.586321

RRF SD: 0.114579, Relative SD: 19.5421

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	200429R2_1	200	0.89	NO	41.34	1.216	1.42e6	1.10e6	220	9.8	0.644	MM
2	200429R2_2	200	0.90	NO	41.34	1.215	1.21e6	1.19e6	173	-13.7	0.506	MM
3	200429R2_3	200	0.93	NO	41.33	1.215	1.10e6	1.15e6	162	-18.8	0.476	MM
4	200429R2_4	200	0.93	NO	41.34	1.215	1.18e6	1.15e6	175	-12.5	0.513	MM
5	200429R2_5	200	0.90	NO	41.34	1.215	1.50e6	1.26e6	203	1.7	0.597	MM
6	200429R2_6	200	0.90	NO	41.33	1.215	2.31e6	1.48e6	267	33.4	0.782	MM

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 1.03447

RRF SD: 0.0994265, Relative SD: 9.61138

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	200429R2_1	100	0.78	NO	25.08	0.989	2.52e6	2.12e6	115	14.8	1.19	bb
2	200429R2_2	100	0.78	NO	25.09	0.989	2.22e6	2.37e6	90.3	-9.7	0.934	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	200429R2_3	100	0.78	NO	25.08	0.989	2.09e6	2.27e6	89.0	-11.0	0.920	bb
4	200429R2_4	100	0.77	NO	25.09	0.989	2.15e6	2.10e6	99.1	-0.9	1.03	bb
5	200429R2_5	100	0.79	NO	25.09	0.989	2.52e6	2.38e6	102	2.1	1.06	bb
6	200429R2_6	100	0.77	NO	25.08	0.989	2.91e6	2.69e6	105	4.7	1.08	bb

Compound name: 13C-1,2,3,7,8-PeCDF

Response Factor: 0.84507

RRF SD: 0.102566, Relative SD: 12.137

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	200429R2_1	100	1.60	NO	29.80	1.176	1.94e6	2.12e6	108	8.3	0.915	bb
2	200429R2_2	100	1.62	NO	29.81	1.176	1.69e6	2.37e6	84.4	-15.6	0.713	bb
3	200429R2_3	100	1.61	NO	29.80	1.175	1.64e6	2.27e6	85.7	-14.3	0.724	bb
4	200429R2_4	100	1.63	NO	29.80	1.175	1.86e6	2.10e6	105	4.9	0.886	bb
5	200429R2_5	100	1.58	NO	29.81	1.176	2.07e6	2.38e6	103	3.0	0.871	bb
6	200429R2_6	100	1.59	NO	29.80	1.176	2.58e6	2.69e6	114	13.7	0.960	bb

Compound name: 13C-2,3,4,7,8-PeCDF

Response Factor: 0.814071

RRF SD: 0.103739, Relative SD: 12.7432

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	200429R2_1	100	1.58	NO	30.79	1.215	1.84e6	2.12e6	107	6.7	0.869	bb
2	200429R2_2	100	1.59	NO	30.80	1.215	1.62e6	2.37e6	83.6	-16.4	0.681	db
3	200429R2_3	100	1.58	NO	30.79	1.214	1.57e6	2.27e6	84.8	-15.2	0.691	db
4	200429R2_4	100	1.60	NO	30.79	1.214	1.82e6	2.10e6	107	6.5	0.867	db
5	200429R2_5	100	1.60	NO	30.80	1.215	2.01e6	2.38e6	104	3.7	0.844	db
6	200429R2_6	100	1.58	NO	30.79	1.215	2.51e6	2.69e6	115	14.6	0.933	db

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time

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Compound name: 13C-1,2,3,4,7,8-HxCDF

Response Factor: 1.00488

RRF SD: 0.118528, Relative SD: 11.7952

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	200429R2_1	100	0.50	NO	33.62	0.989	1.22e6	1.10e6	110	10.1	1.11	bd
2	200429R2_2	100	0.51	NO	33.63	0.989	1.02e6	1.19e6	85.4	-14.6	0.858	bd
3	200429R2_3	100	0.51	NO	33.62	0.988	1.02e6	1.15e6	88.0	-12.0	0.884	bd
4	200429R2_4	100	0.51	NO	33.63	0.989	1.13e6	1.15e6	98.3	-1.7	0.987	bd
5	200429R2_5	100	0.51	NO	33.63	0.988	1.31e6	1.26e6	103	3.5	1.04	bd
6	200429R2_6	100	0.51	NO	33.62	0.989	1.71e6	1.48e6	115	14.9	1.15	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF

Response Factor: 1.13681

RRF SD: 0.13421, Relative SD: 11.8059

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	200429R2_1	100	0.51	NO	33.74	0.992	1.41e6	1.10e6	113	12.9	1.28	db
2	200429R2_2	100	0.52	NO	33.75	0.992	1.18e6	1.19e6	87.4	-12.6	0.994	db
3	200429R2_3	100	0.51	NO	33.74	0.992	1.14e6	1.15e6	87.0	-13.0	0.990	db
4	200429R2_4	100	0.51	NO	33.75	0.992	1.26e6	1.15e6	96.7	-3.3	1.10	db
5	200429R2_5	100	0.51	NO	33.75	0.992	1.46e6	1.26e6	102	2.3	1.16	db
6	200429R2_6	100	0.51	NO	33.74	0.992	1.91e6	1.48e6	114	13.7	1.29	db

Compound name: 13C-2,3,4,6,7,8-HxCDF

Response Factor: 1.02233

RRF SD: 0.123256, Relative SD: 12.0564

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	200429R2_1	100	0.52	NO	34.31	1.009	1.26e6	1.10e6	112	11.8	1.14	MM
2	200429R2_2	100	0.51	NO	34.31	1.009	1.05e6	1.19e6	86.2	-13.8	0.881	bb

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time

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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	200429R2_3	100	0.52	NO	34.31	1.009	1.03e6	1.15e6	87.6	-12.4	0.895	bb
4	200429R2_4	100	0.51	NO	34.33	1.009	1.14e6	1.15e6	97.2	-2.8	0.993	bb
5	200429R2_5	100	0.51	NO	34.33	1.009	1.31e6	1.26e6	102	2.1	1.04	bb
6	200429R2_6	100	0.51	NO	34.31	1.009	1.74e6	1.48e6	115	15.2	1.18	bb

Compound name: 13C-1,2,3,7,8,9-HxCDF

Response Factor: 0.844773

RRF SD: 0.0991685, Relative SD: 11.7391

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	200429R2_1	100	0.51	NO	35.20	1.035	9.91e5	1.10e6	106	6.4	0.899	bb
2	200429R2_2	100	0.51	NO	35.20	1.035	8.77e5	1.19e6	87.2	-12.8	0.737	bb
3	200429R2_3	100	0.50	NO	35.20	1.035	8.59e5	1.15e6	88.3	-11.7	0.746	bb
4	200429R2_4	100	0.51	NO	35.21	1.035	9.29e5	1.15e6	95.9	-4.1	0.810	MM
5	200429R2_5	100	0.51	NO	35.21	1.035	1.11e6	1.26e6	105	4.6	0.883	bb
6	200429R2_6	100	0.52	NO	35.20	1.035	1.47e6	1.48e6	118	17.6	0.994	bb

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

Response Factor: 0.771212

RRF SD: 0.102676, Relative SD: 13.3136

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	200429R2_1	100	0.43	NO	36.93	1.086	9.24e5	1.10e6	109	8.6	0.838	bb
2	200429R2_2	100	0.43	NO	36.94	1.086	7.84e5	1.19e6	85.4	-14.6	0.659	bb
3	200429R2_3	100	0.44	NO	36.94	1.086	7.69e5	1.15e6	86.7	-13.3	0.668	bd
4	200429R2_4	100	0.43	NO	36.96	1.086	8.65e5	1.15e6	97.7	-2.3	0.754	bd
5	200429R2_5	100	0.42	NO	36.96	1.086	9.81e5	1.26e6	101	1.2	0.781	bb
6	200429R2_6	100	0.44	NO	36.93	1.086	1.37e6	1.48e6	120	20.3	0.928	bb

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

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Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Response Factor: 0.482289

RRF SD: 0.0750769, Relative SD: 15.5668

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	200429R2_1	100	0.41	NO	38.94	1.145	5.96e5	1.10e6	112	12.1	0.541	bb
2	200429R2_2	100	0.44	NO	38.94	1.145	4.92e5	1.19e6	85.7	-14.3	0.413	MM
3	200429R2_3	100	0.45	NO	38.94	1.145	4.72e5	1.15e6	85.0	-15.0	0.410	MM
4	200429R2_4	100	0.44	NO	38.95	1.145	5.12e5	1.15e6	92.5	-7.5	0.446	MM
5	200429R2_5	100	0.43	NO	38.95	1.145	6.09e5	1.26e6	101	0.6	0.485	bb
6	200429R2_6	100	0.43	NO	38.93	1.145	8.85e5	1.48e6	124	24.1	0.598	bb

Compound name: 13C-OCDF

Response Factor: 0.668505

RRF SD: 0.127842, Relative SD: 19.1235

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	200429R2_1	200	0.88	NO	41.51	1.221	1.62e6	1.10e6	220	9.9	0.735	bb
2	200429R2_2	200	0.86	NO	41.51	1.220	1.40e6	1.19e6	176	-12.0	0.588	MM
3	200429R2_3	200	0.89	NO	41.51	1.220	1.27e6	1.15e6	165	-17.4	0.552	bd
4	200429R2_4	200	0.88	NO	41.52	1.221	1.32e6	1.15e6	172	-14.0	0.575	bb
5	200429R2_5	200	0.87	NO	41.52	1.220	1.69e6	1.26e6	201	0.5	0.672	bb
6	200429R2_6	200	0.88	NO	41.51	1.221	2.63e6	1.48e6	266	33.0	0.889	bb

Compound name: 37Cl-2,3,7,8-TCDD

Response Factor: 1.09842

RRF SD: 0.0959308, Relative SD: 8.73354

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	200429R2_1	0.250			26.05	1.028	3.33e3	1.32e6	0.230	-7.9	1.01	bb
2	200429R2_2	0.500			26.07	1.028	7.64e3	1.44e6	0.484	-3.2	1.06	bb

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

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Compound name: 37CI-2,3,7,8-TCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200429R2_3	2.00			26.05	1.027	2.74e4	1.38e6	1.81	-9.5	0.994	bd
4	200429R2_4	10.0			26.05	1.027	1.41e5	1.28e6	10.0	0.4	1.10	bb
5	200429R2_5	40.0			26.07	1.028	6.87e5	1.45e6	43.0	7.5	1.18	bb
6	200429R2_6	200			26.05	1.028	4.11e6	1.66e6	225	12.7	1.24	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	200429R2_1	100	0.80	NO	25.35	1.000	1.32e6	1.32e6	100	0.0	1.00	bb
2	200429R2_2	100	0.80	NO	25.36	1.000	1.44e6	1.44e6	100	0.0	1.00	bb
3	200429R2_3	100	0.81	NO	25.36	1.000	1.38e6	1.38e6	100	0.0	1.00	bb
4	200429R2_4	100	0.80	NO	25.36	1.000	1.28e6	1.28e6	100	0.0	1.00	bb
5	200429R2_5	100	0.81	NO	25.36	1.000	1.45e6	1.45e6	100	0.0	1.00	bb
6	200429R2_6	100	0.80	NO	25.35	1.000	1.66e6	1.66e6	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	200429R2_1	100	0.79	NO	23.57	1.000	2.12e6	2.12e6	100	0.0	1.00	bb
2	200429R2_2	100	0.79	NO	23.58	1.000	2.37e6	2.37e6	100	0.0	1.00	bb
3	200429R2_3	100	0.79	NO	23.58	1.000	2.27e6	2.27e6	100	0.0	1.00	bb
4	200429R2_4	100	0.79	NO	23.59	1.000	2.10e6	2.10e6	100	0.0	1.00	bb
5	200429R2_5	100	0.79	NO	23.59	1.000	2.38e6	2.38e6	100	0.0	1.00	bb
6	200429R2_6	100	0.79	NO	23.57	1.000	2.69e6	2.69e6	100	0.0	1.00	bb

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time

Printed: Thursday, April 30, 2020 7:56:51 AM 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	200429R2_1	100	0.51	NO	34.01	1.000	1.10e6	1.10e6	100	0.0	1.00	bb
2	200429R2_2	100	0.50	NO	34.01	1.000	1.19e6	1.19e6	100	0.0	1.00	bb
3	200429R2_3	100	0.51	NO	34.01	1.000	1.15e6	1.15e6	100	0.0	1.00	bb
4	200429R2_4	100	0.50	NO	34.01	1.000	1.15e6	1.15e6	100	0.0	1.00	bb
5	200429R2_5	100	0.51	NO	34.03	1.000	1.26e6	1.26e6	100	0.0	1.00	bb
6	200429R2_6	100	0.51	NO	34.01	1.000	1.48e6	1.48e6	100	0.0	1.00	bb

Dataset: Untitled

Last Altered: Thursday, April 30, 2020 8:40:02 AM Pacific Daylight Time

Printed: Thursday, April 30, 2020 8:40:20 AM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 08 Apr 2020 10:53:44

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200429R2_4, Date: 29-Apr-2020, Time: 15:48:39, ID: ST200429R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1 1,3,6,8-TCDD (First)	21.90
2	2 1,2,8,9-TCDD (Last)	27.05
3	3 1,2,4,7,9-PeCDD (First)	28.88
4	4 1,2,3,8,9-PeCDD (Last)	31.52
5	5 1,2,4,6,7,9-HxCDD (First)	33.04
6	6 1,2,3,7,8,9-HxCDD (Last)	34.88
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.35
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.38
9	9 1,3,6,8-TCDF (First)	19.85
10	10 1,2,8,9-TCDF (Last)	27.19
11	11 1,3,4,6,8-PeCDF (First)	27.17
12	12 1,2,3,8,9-PeCDF (Last)	31.75
13	13 1,2,3,4,6,8-HxCDF (First)	32.47
14	14 1,2,3,7,8,9-HxCDF (Last)	35.22
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.97
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.96

Dataset: Untitled

Last Altered: Thursday, April 30, 2020 8:40:02 AM Pacific Daylight Time
Printed: Thursday, April 30, 2020 8:40:20 AM Pacific Daylight Time

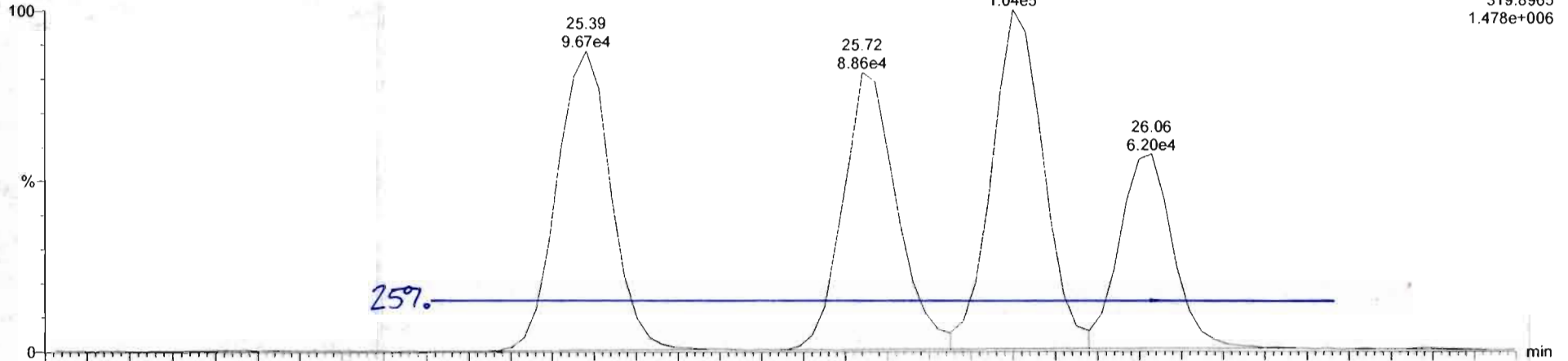
GPB 04/30/2020

Method: U:\VG12.PRO\MethDB\CPSM.mdb 08 Apr 2020 10:53:44
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200429R2_4, Date: 29-Apr-2020, Time: 15:48:39, ID: ST200429R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

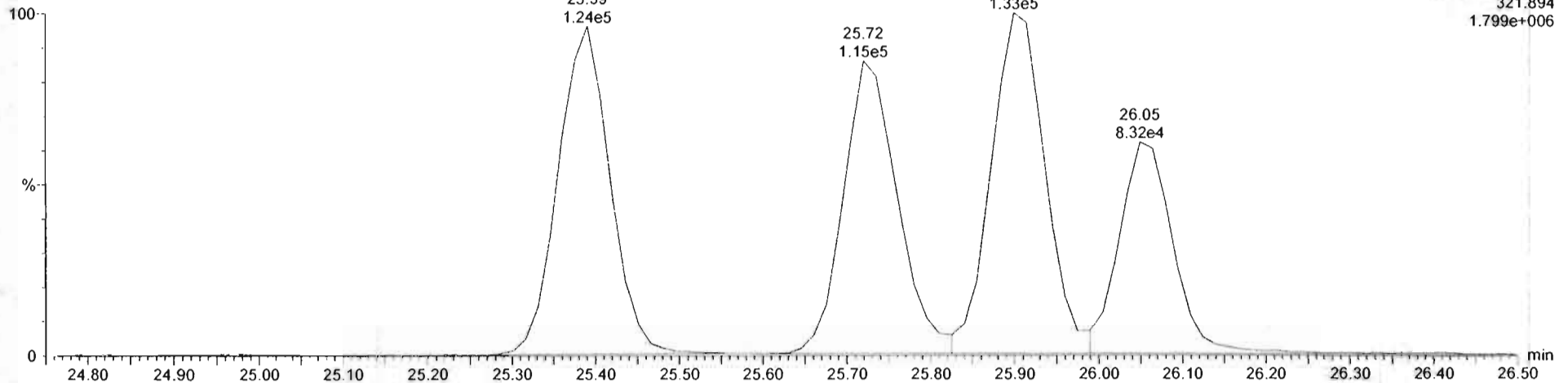
1,3,6,8-TCDD (First)
200429R2_4

F1:Voltage SIR,EI+
319.8965
1.478e+006



200429R2_4

F1:Voltage SIR,EI+
321.894
1.799e+006



Dataset: Untitled

Last Altered: Thursday, April 30, 2020 8:40:43 AM Pacific Daylight Time
Printed: Thursday, April 30, 2020 8:41:41 AM Pacific Daylight Time

Method: U:\VG12.PROMethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

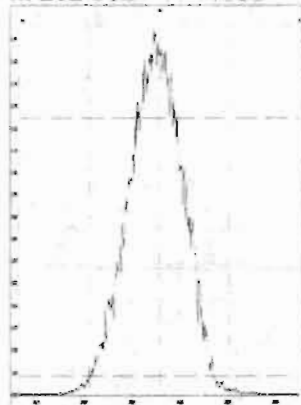
Compound name: 2,3,7,8-TCDD

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1	200429R2_1	ST200429R2_1 1613 CS0 19L2302	29-Apr-20	13:27:25
2	200429R2_2	ST200429R2_2 1613 CS1 19L2303	29-Apr-20	14:15:04
3	200429R2_3	ST200429R2_3 1613 CS2 19L2304	29-Apr-20	15:02:24
4	200429R2_4	ST200429R2_4 1613 CS3 19L2305	29-Apr-20	15:48:39
5	200429R2_5	ST200429R2_5 1613 CS4 19L2306	29-Apr-20	16:35:58
6	200429R2_6	ST200429R2_6 1613 CS5 19L2307	29-Apr-20	17:23:21
7	200429R2_7	SOLVENT BLANK	29-Apr-20	18:10:44
8	200429R2_8	SS200429R2_1 1613 SSS 19L2308	29-Apr-20	18:58:05
9	200429R2_9	B0C0304-BS4 OPR 10	29-Apr-20	19:54:24
10	200429R2_10	B0C0304-BS3 OPR 10	29-Apr-20	20:40:38
11	200429R2_11	B0C0304-BS2 OPR 10	29-Apr-20	21:28:00
12	200429R2_12	B0C0304-BS1 OPR 10	29-Apr-20	22:15:28
13	200429R2_13	B0D0053-BS4 OPR 10	29-Apr-20	23:02:49
14	200429R2_14	B0D0053-BS3 OPR 10	29-Apr-20	23:50:11
15	200429R2_15	B0D0053-BS2 OPR 10	30-Apr-20	00:37:32
16	200429R2_16	B0D0053-BS1 OPR 10	30-Apr-20	01:24:55
17	200429R2_17	SOLVENT BLANK	30-Apr-20	02:12:17
18	200429R2_18	B0D0053-BLK1 Method Blank 10	30-Apr-20	02:59:37
19	200429R2_19	SOLVENT BLANK	30-Apr-20	03:55:52

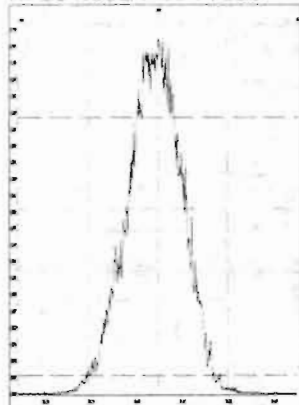
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Printed: Wednesday, April 29, 2020 13:21:30 Pacific Daylight Time

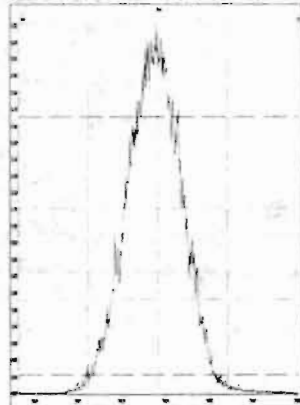
M 292.9824 R 11363



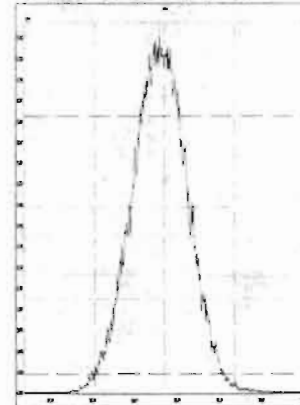
M 304.9824 R 11059



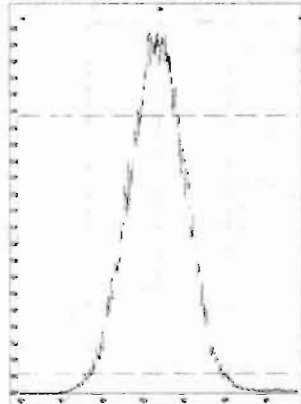
M 318.9792 R 11211



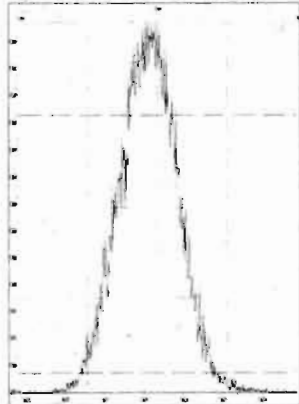
M 330.9792 R 11311



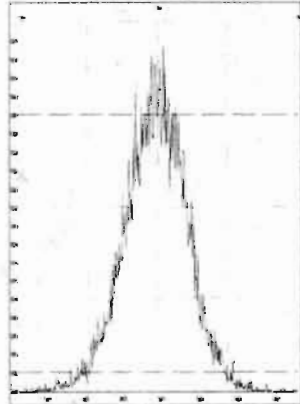
M 342.9792 R 10772



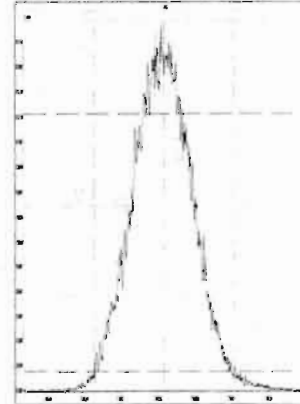
M 354.9792 R 10729



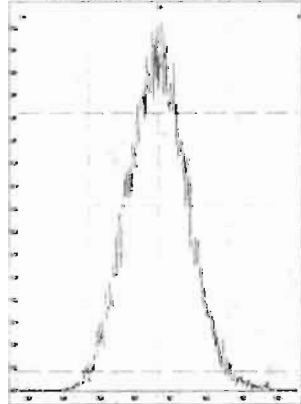
M 366.9792 R 10078



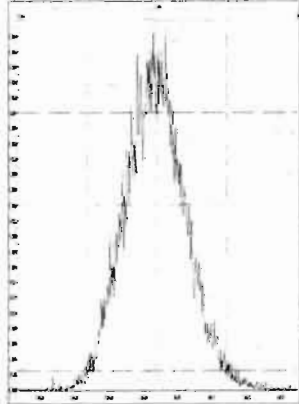
M 380.9760 R 10288



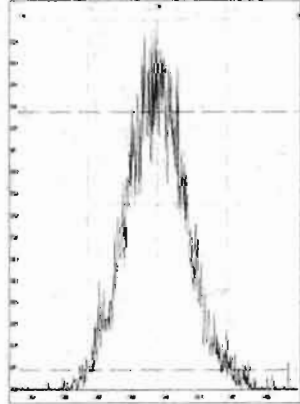
M 392.9760 R 10371



M 404.9760 R 10417



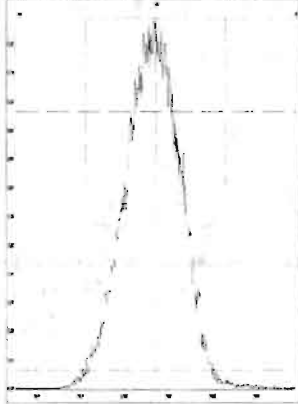
M 416.9760 R 10964



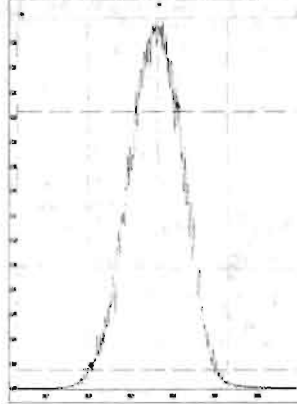
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Printed: Wednesday, April 29, 2020 13:22:18 Pacific Daylight Time

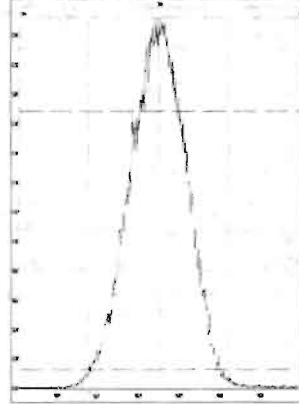
M 318.9792 R 11365



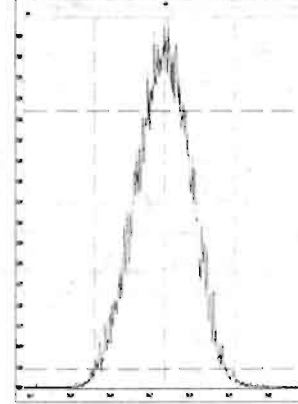
M 330.9792 R 11420



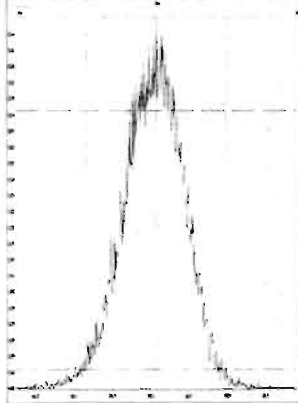
M 342.9792 R 10824



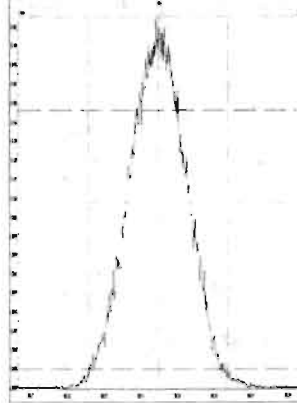
M 354.9792 R 11312



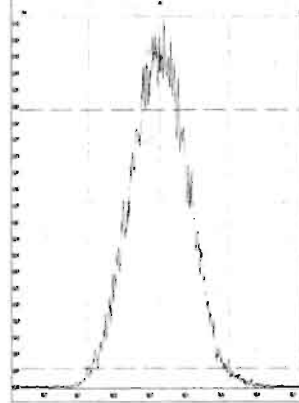
M 366.9792 R 10371



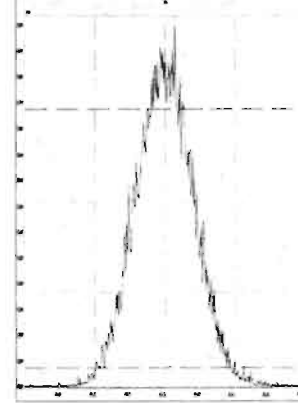
M 380.9760 R 10772



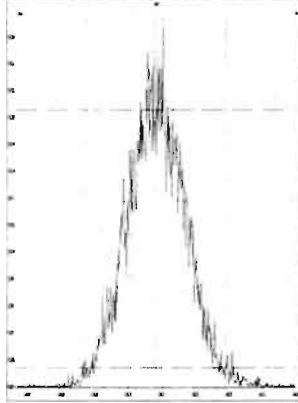
M 392.9760 R 10916



M 404.9760 R 10370



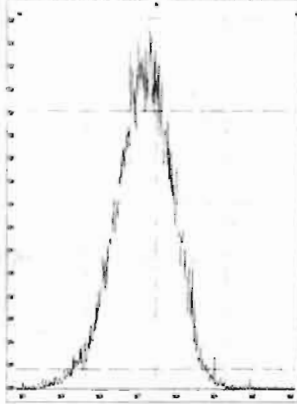
M 416.9760 R 10916



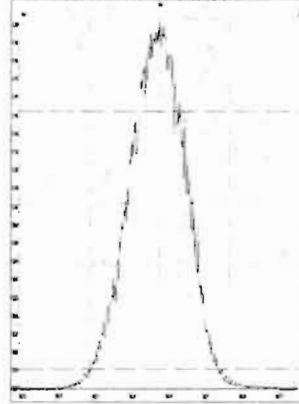
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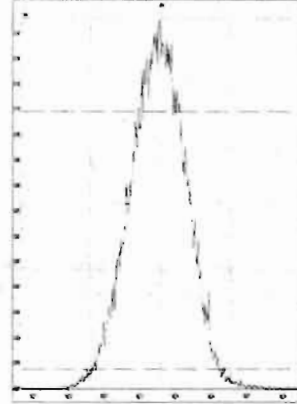
M 366.9792 R 11519



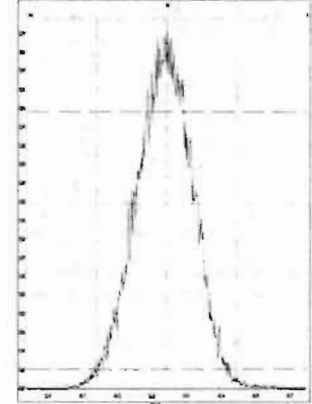
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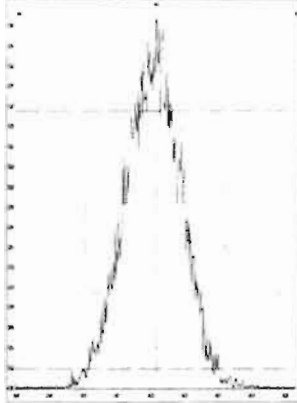
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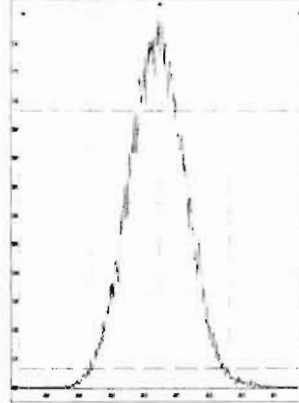
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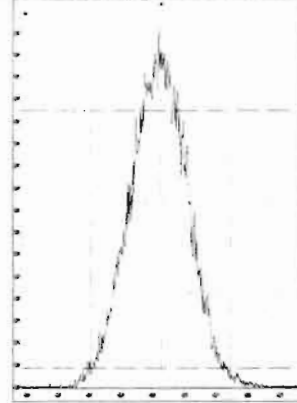
M 416.9760 R 11210



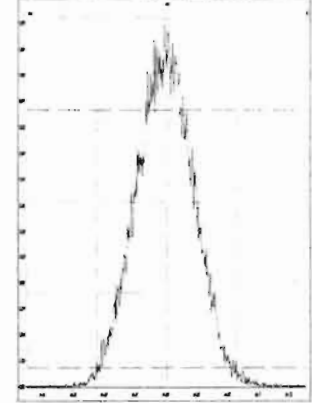
M 430.9728 R 10637



M 442.9728 R 10917



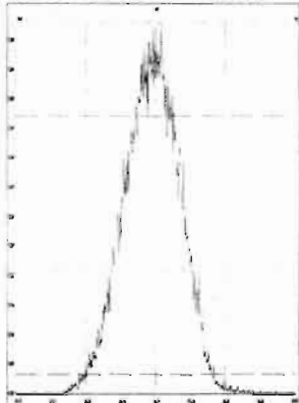
M 454.9728 R 10683



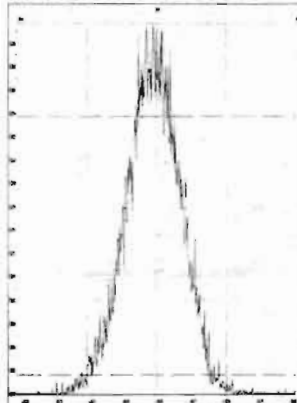
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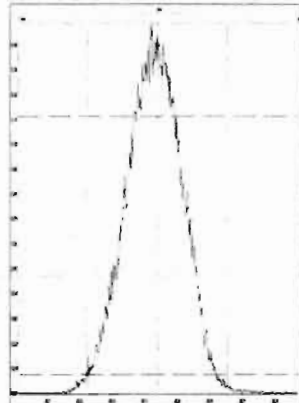
M 404.9760 R 11060



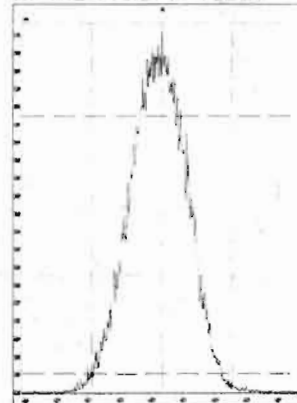
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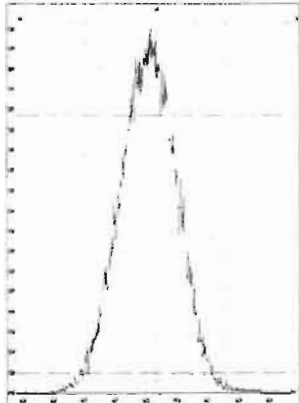
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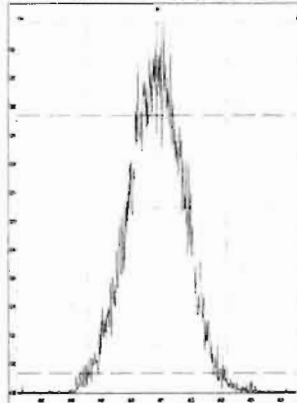
M 442.9728 R 10867



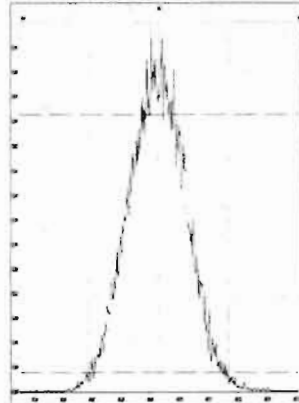
M 454.9728 R 10729



M 466.9728 R 11846



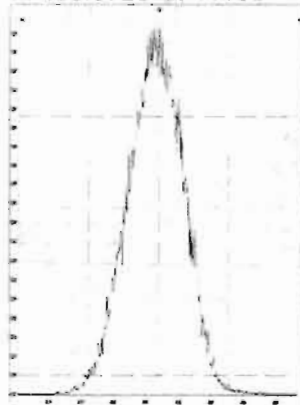
M 480.9696 R 10776



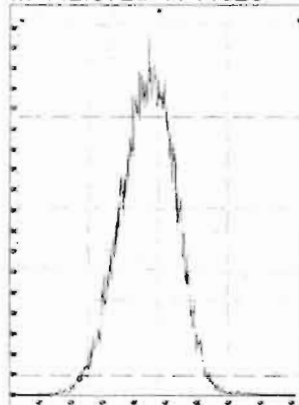
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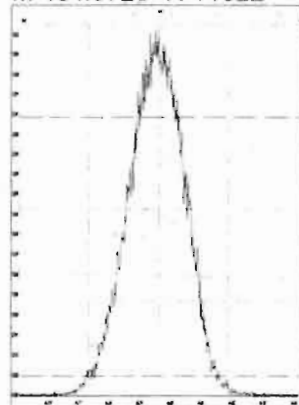
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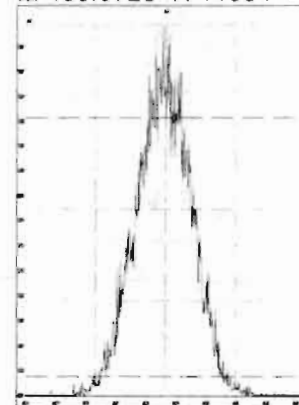
M 442.9728 R 11520



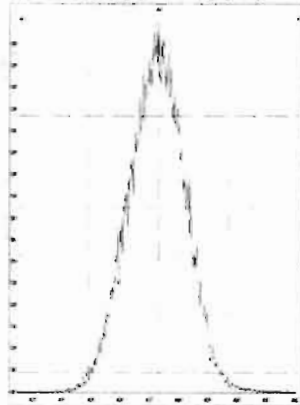
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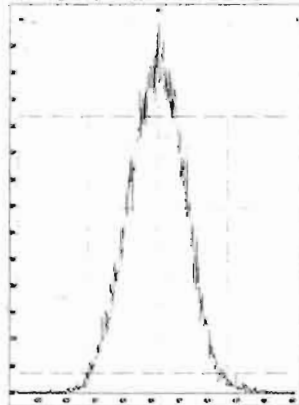
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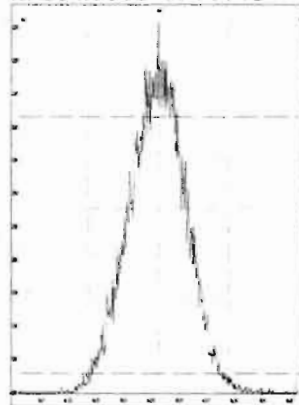
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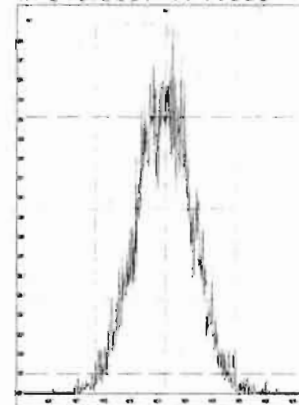
M 492.9696 R 10918



M 504.9696 R 11110



M 516.9697 R 11365



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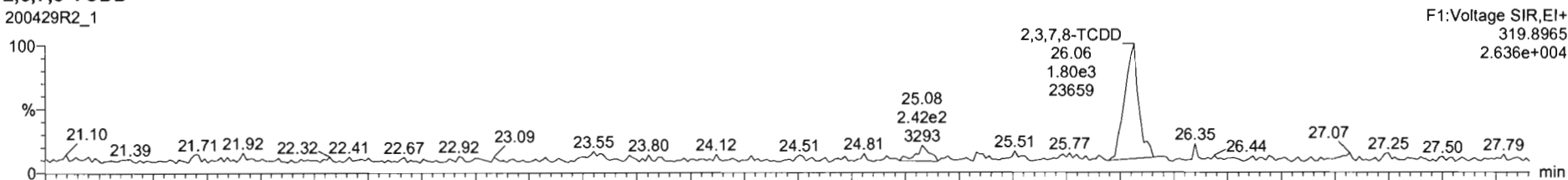
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

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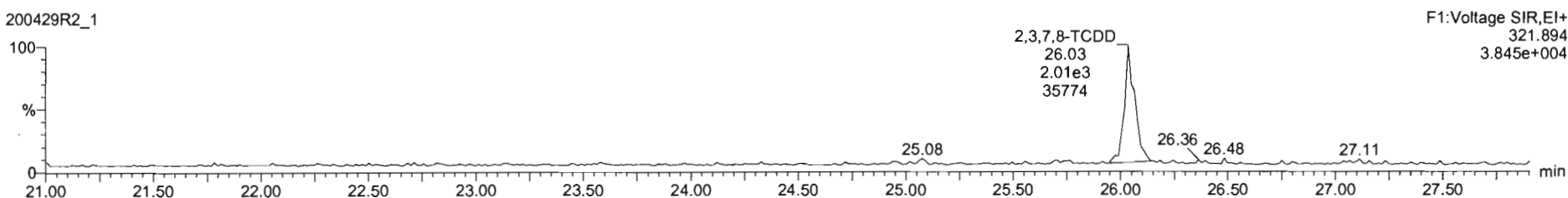
Name: 200429R2_1, Date: 29-Apr-2020, Time: 13:27:25, ID: ST200429R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

2,3,7,8-TCDD

200429R2_1

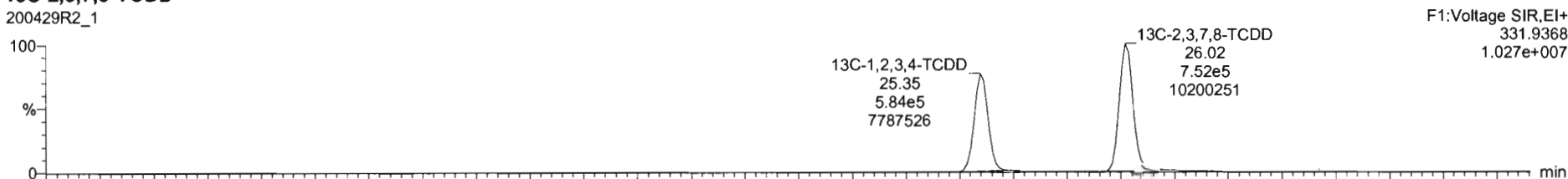


200429R2_1

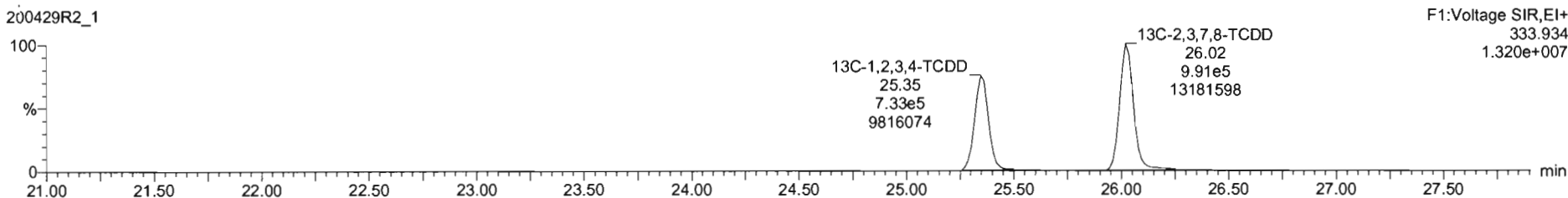


13C-2,3,7,8-TCDD

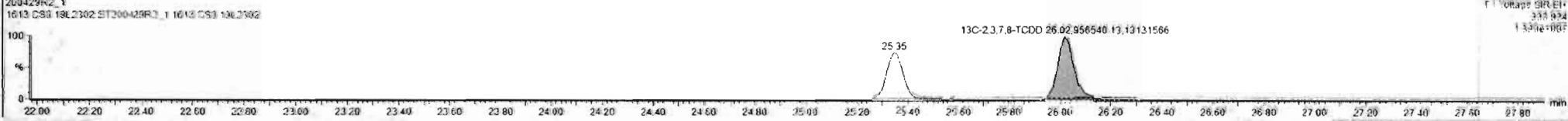
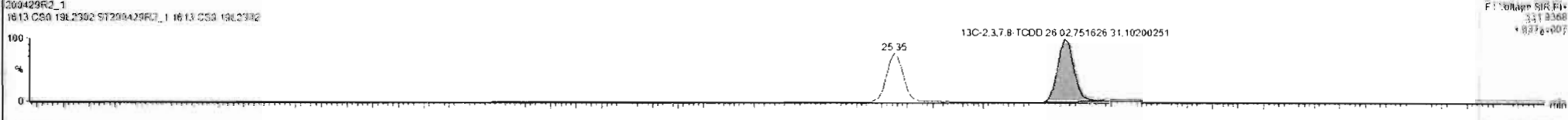
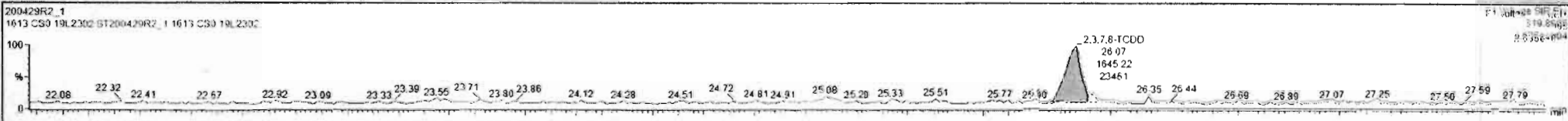
200429R2_1



200429R2_1



#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.813	NO	3.6687e3	1.7082e6	0.250	-9.2	6.35	0.947	0.0587
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2578e4	1.1845e6	1.250	-9.6	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.60	1.181	NO	1.1900e4	1.1804e6	1.250	-10.3	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	28.38	1.084	NO	7.9301e3	8.1666e5	1.250	-13.5	6.93	0.896	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.6	7.57	0.923	0.0707
8	2,3,7,8-TCDF	25.09	0.819	NO	4.5125e3	2.5190e6	0.250	-3.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.3	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.488	NO	2.0204e4	1.8427e6	1.250	-8.8	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.54	1.134	NO	1.1393e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0568
12	1,2,3,6,7,8-HxCDF	33.76	1.234	NO	1.2594e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2282e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0706
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5952e3	9.2366e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	28.95	0.973	NO	6.6818e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4068e4	1.6199e6	2.500	-13.4	7.16	0.802	0.0575



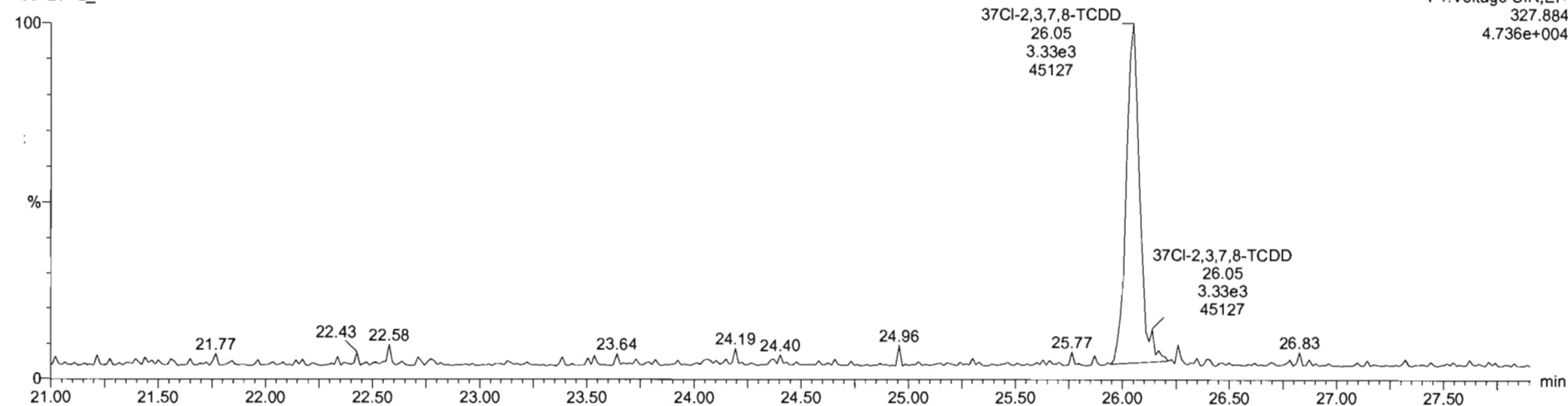
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

Name: 200429R2_1, Date: 29-Apr-2020, Time: 13:27:25, ID: ST200429R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

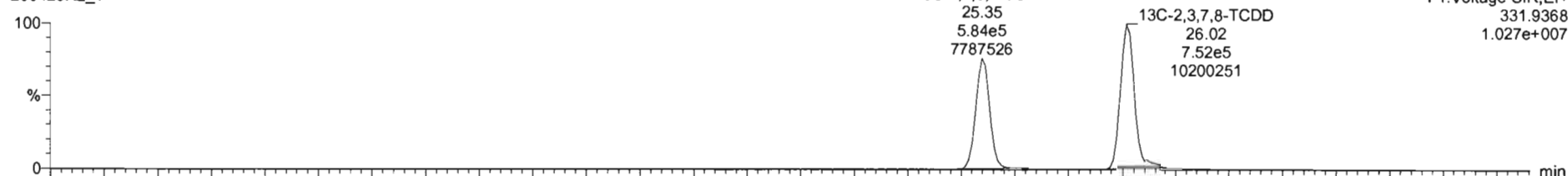
37Cl-2,3,7,8-TCDD

200429R2_1

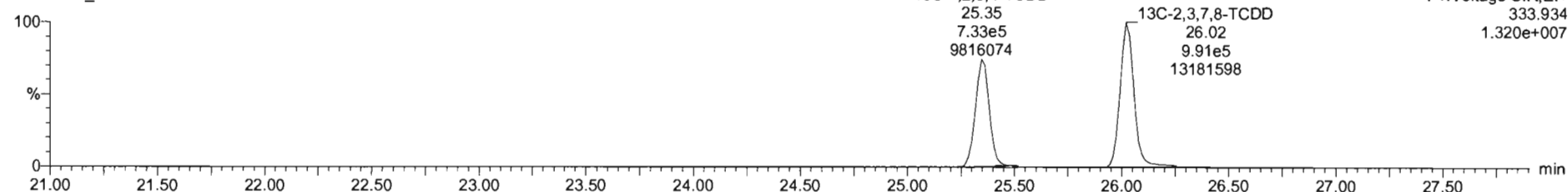


13C-1,2,3,4-TCDD

200429R2_1



200429R2_1



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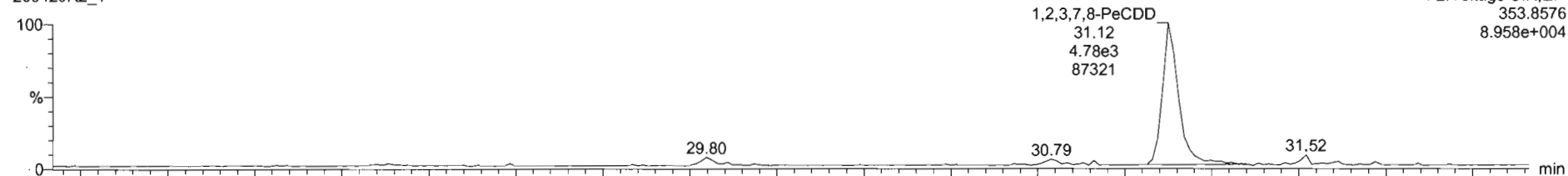
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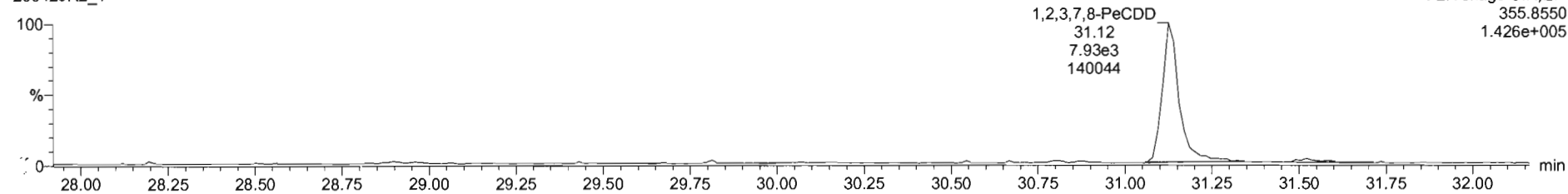
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1,2,3,7,8-PeCDD

200429R2_1

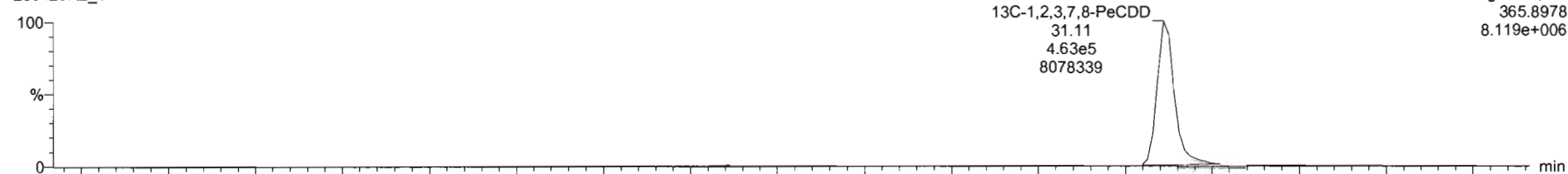


200429R2_1

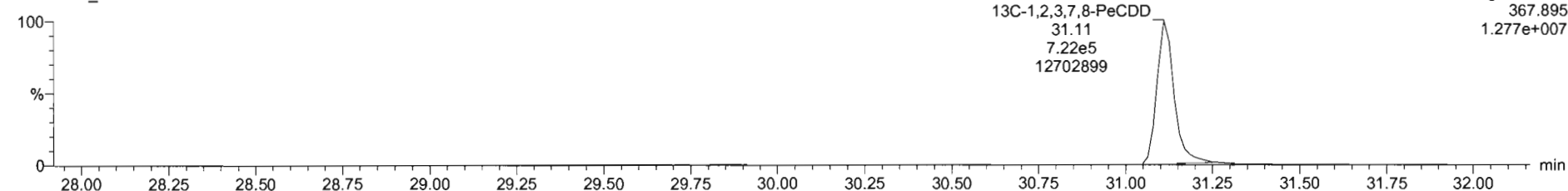


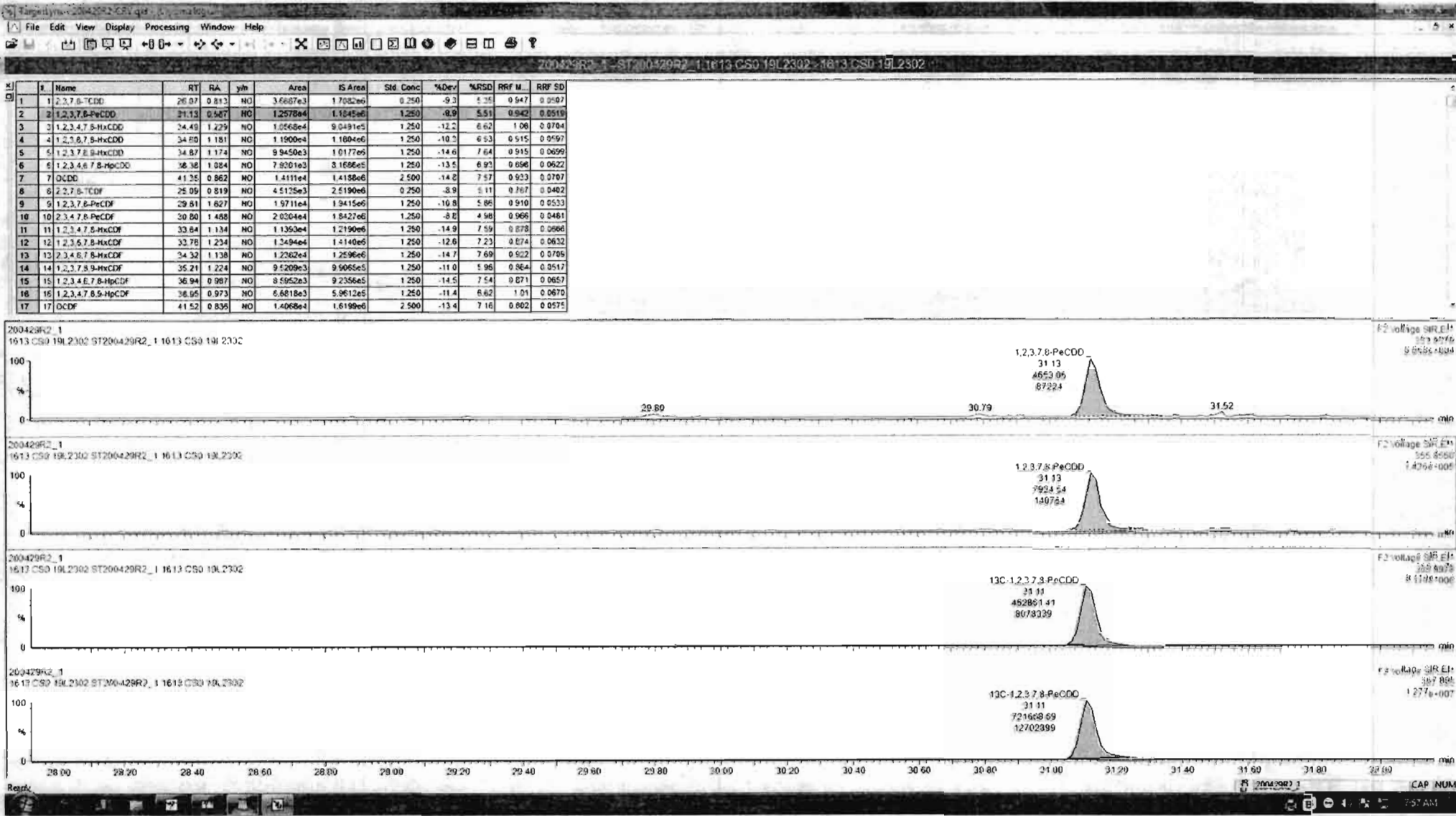
13C-1,2,3,7,8-PeCDD

200429R2_1



200429R2_1





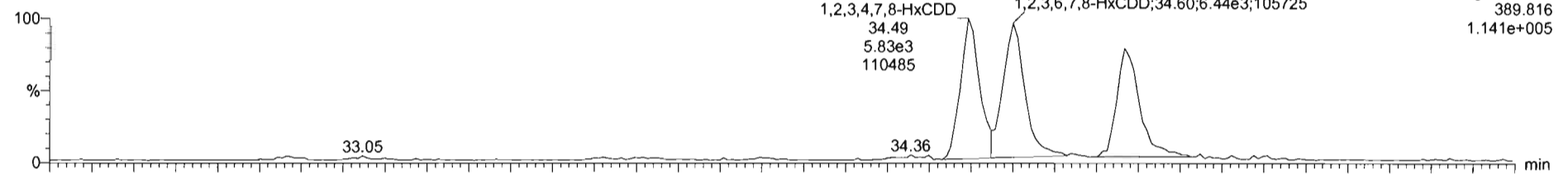
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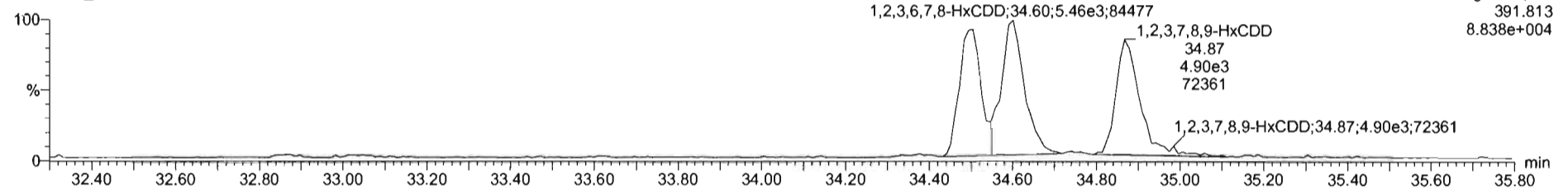
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1,2,3,4,7,8-HxCDD

200429R2_1

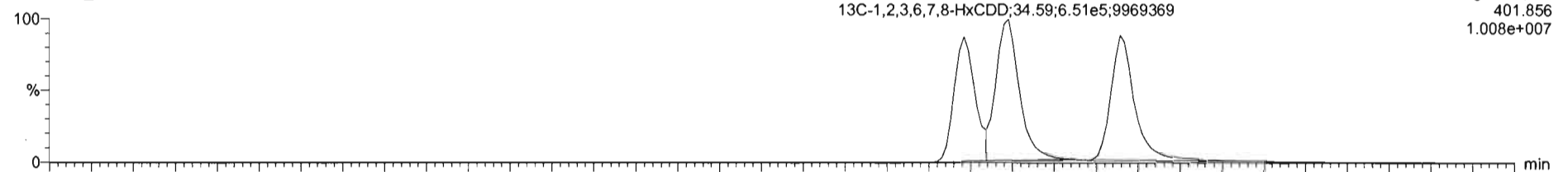


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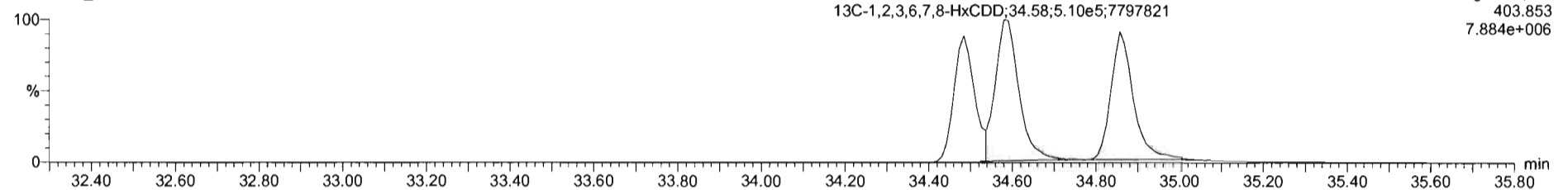


13C-1,2,3,4,7,8-HxCDD

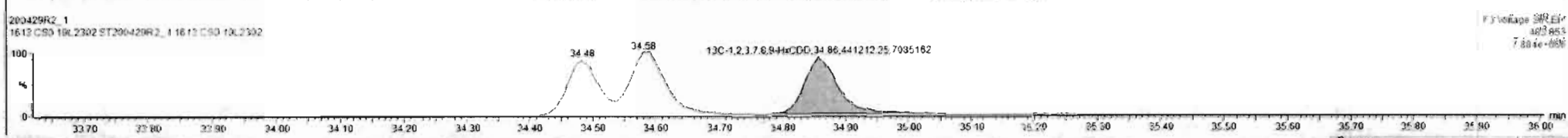
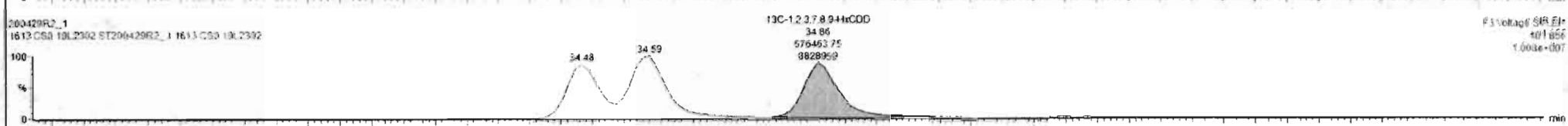
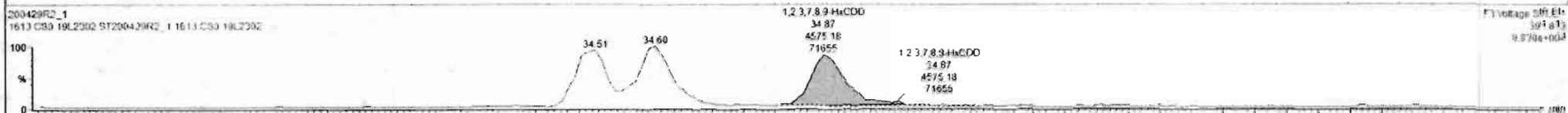
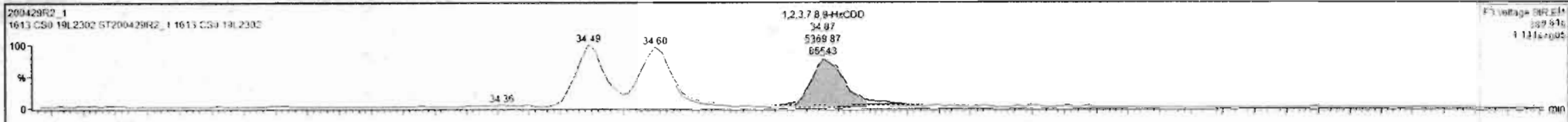
200429R2_1



200429R2_1



#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.913	NO	3.6687e3	1.7082e6	0.250	-9.3	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2578e4	1.1845e6	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.181	NO	1.1900e4	1.1604e6	1.250	-10.3	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.67	1.174	NO	9.9450e3	1.0177e6	1.250	-14.4	7.64	0.915	0.0599
6	1,2,3,4,6,7,8-HpCDD	36.38	1.054	NO	7.9201e3	8.1666e5	1.250	-13.5	8.93	0.656	0.0522
7	OCDD	41.35	0.862	NO	1.4111e4	1.4186e6	2.500	-14.8	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.95	0.919	NO	4.5125e3	2.5190e6	0.250	-8.9	5.11	0.767	0.0462
9	1,2,3,7,8-PeCDF	29.81	1.027	NO	1.9711e4	1.9415e6	1.250	-10.8	5.66	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.488	NO	2.0304e4	1.8427e6	1.250	-8.8	4.96	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.134	NO	1.1393e4	1.2190e6	1.250	-14.3	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2262e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0789
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.98	0.864	0.0512
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5952e3	9.2356e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	36.95	0.973	NO	6.6818e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	DCDF	41.52	0.836	NO	1.4066e4	1.6189e6	2.500	-13.4	7.16	0.802	0.0575



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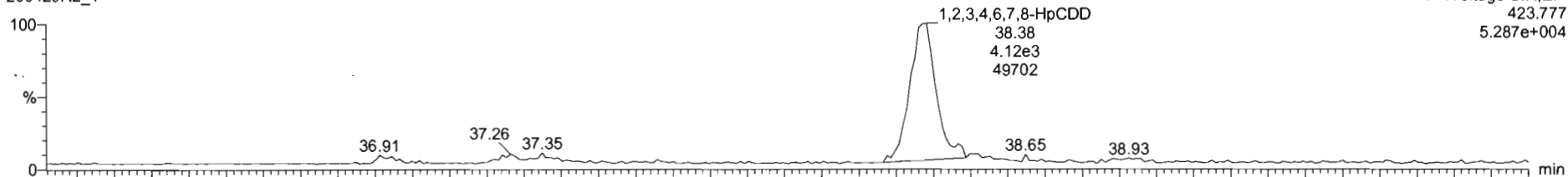
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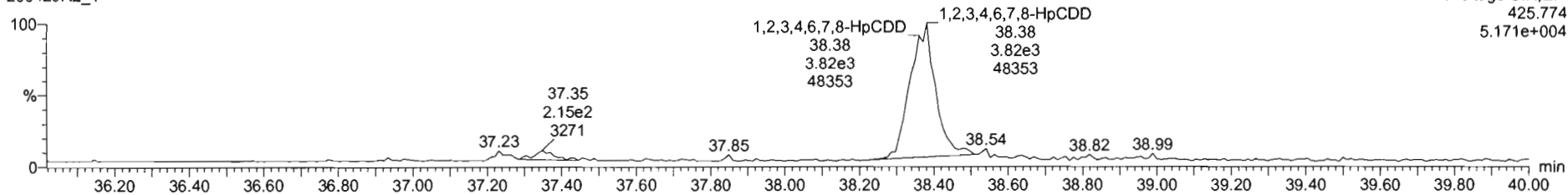
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200429R2_1

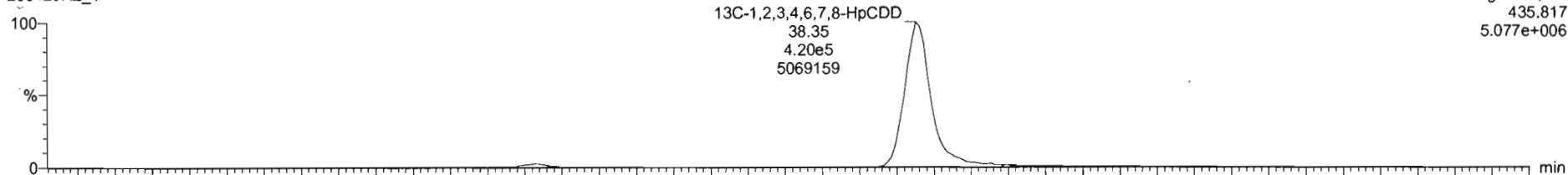


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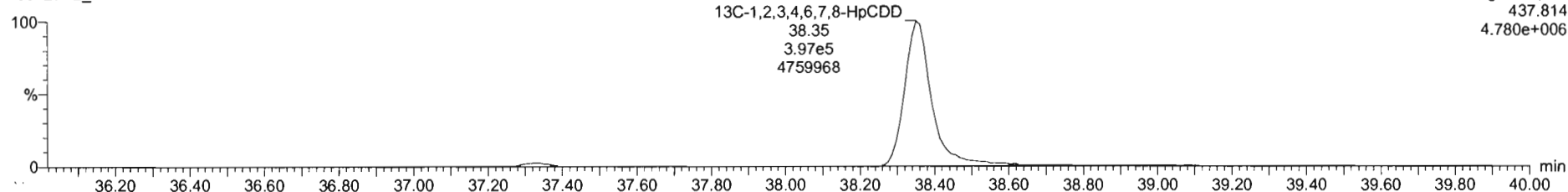


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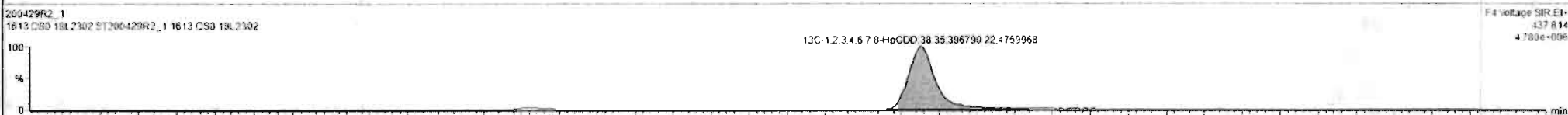
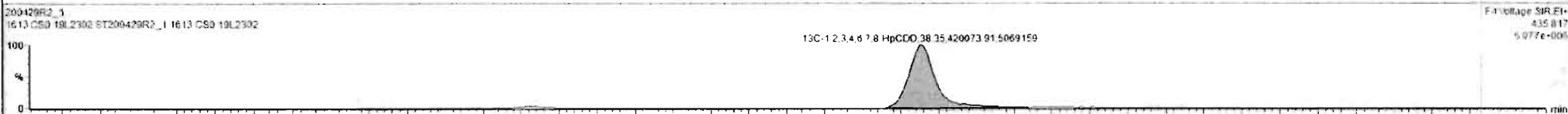
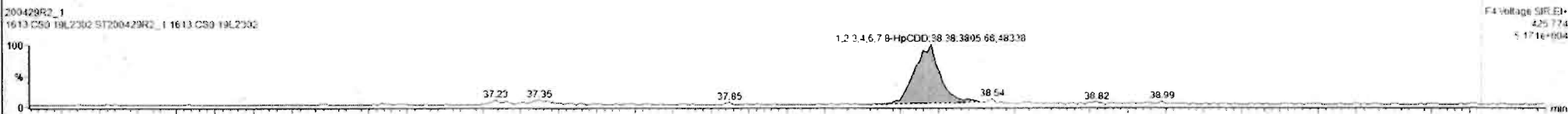
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200429R2_1



#	Name	RT	RA	y/h	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,6-TCDD	26.07	0.813	NO	3.6687e3	1.7082e6	0.250	-9.3	5.25	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2578e4	1.1846e6	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.6491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.181	NO	1.1900e4	1.1694e6	1.250	-10.3	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0690
6	1,2,3,4,6,7,8-HpCDD	38.38	1.554	NO	7.9501e3	2.1666e5	1.250	-13.5	8.93	0.898	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.8	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.09	0.819	NO	4.5125e3	2.5190e6	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.66	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.488	NO	2.0304e4	1.8427e6	1.250	-8.8	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.134	NO	1.1353e4	1.2150e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2362e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0769
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5952e3	9.2356e5	1.250	-14.5	7.54	0.871	0.0627
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.8818e3	5.9812e5	1.250	-11.4	6.62	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4068e4	1.6199e6	2.500	-13.4	7.16	0.802	0.0575



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200429R2_1

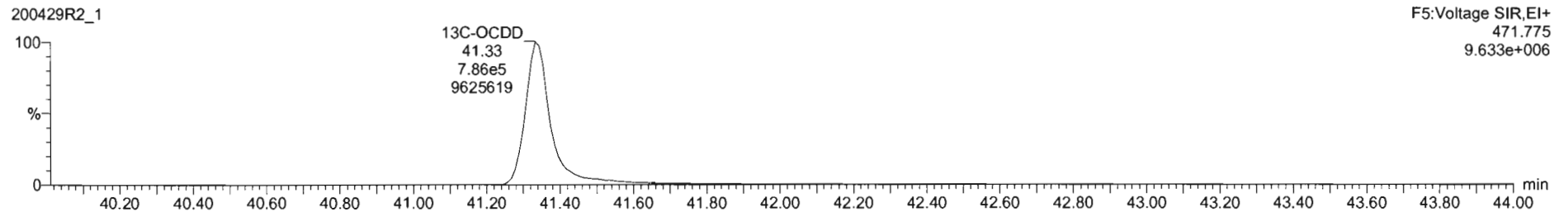
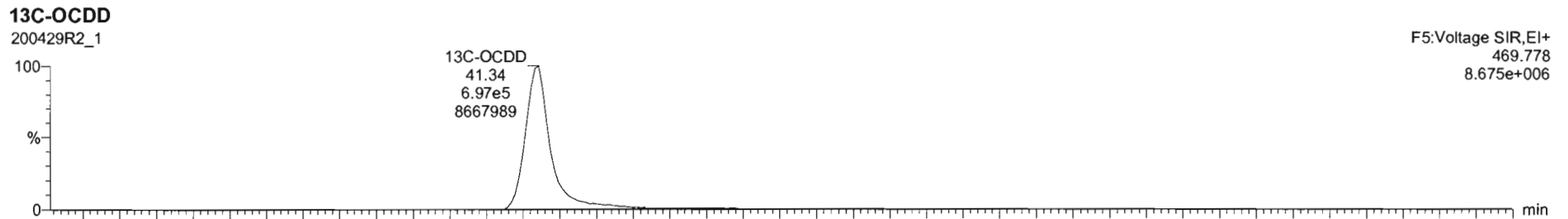
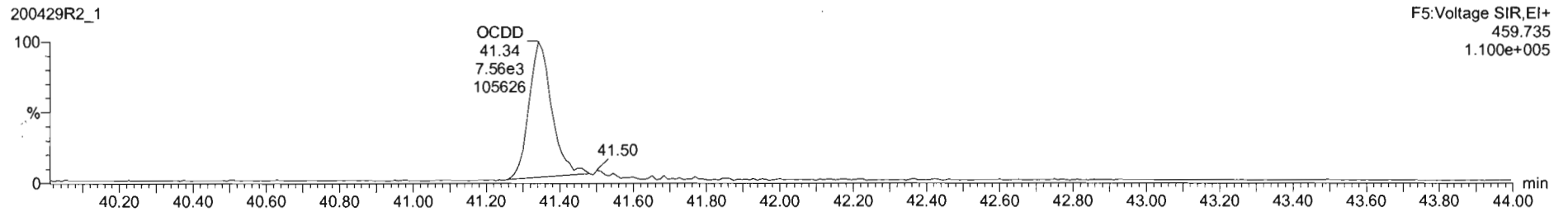
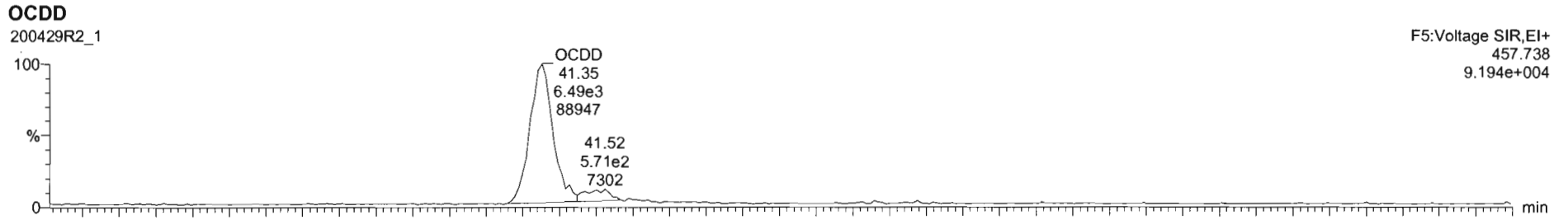
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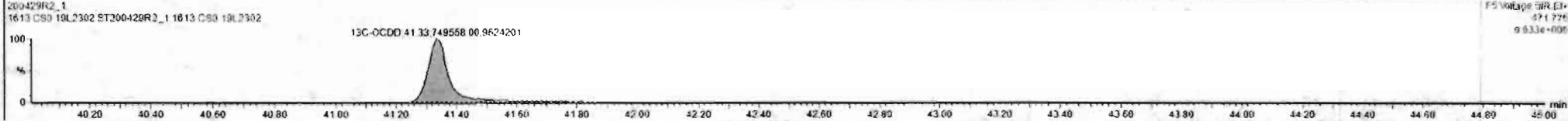
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

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#	Name	RT	RA	Yln	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.97	0.813	NO	3.6687e3	1.7082e6	0.250	-9.3	5.35	0.947	0.0407
2	1,2,3,7,8-PeCDD	31.12	0.587	NO	1.2678e4	1.1845e6	1.250	-9.6	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.9568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.80	1.181	NO	1.1906e4	1.1604e6	1.250	-10.2	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.38	1.084	NO	7.9201e3	8.1686e5	1.250	-13.5	6.93	0.856	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.3	7.57	0.933	0.0767
8	2,3,7,8-TCDF	26.09	0.819	NO	4.5125e3	2.5190e6	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.51	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.96	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	30.80	1.455	NO	2.0204e4	1.9427e6	1.250	-8.8	4.98	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.64	1.134	NO	1.1933e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.75	1.234	NO	1.3454e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2262e4	1.2596e6	1.250	-14.7	7.69	0.927	0.0769
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.967	NO	8.5552e3	9.2356e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.6218e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4068e4	1.6199e6	2.500	-13.4	7.16	0.862	0.0575



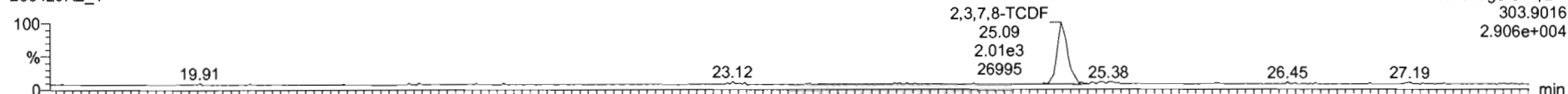
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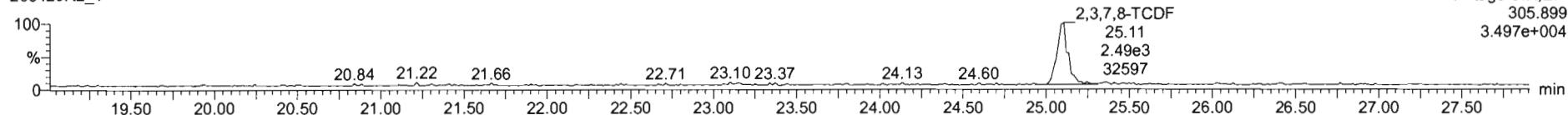
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2,3,7,8-TCDF

200429R2_1

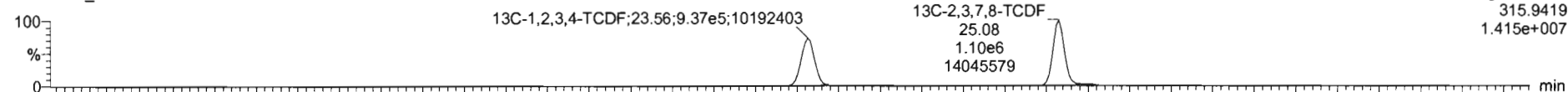


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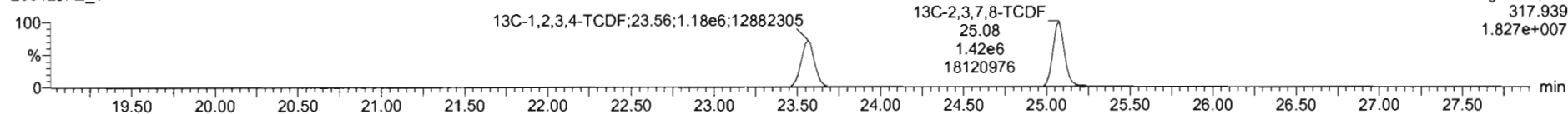


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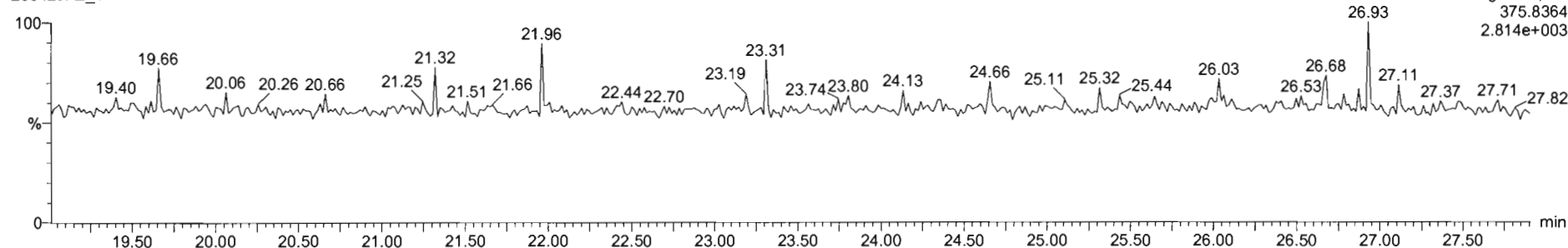


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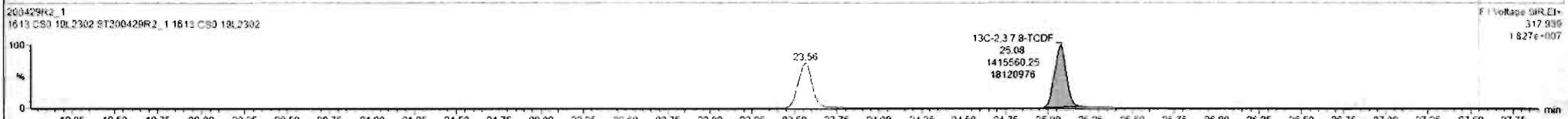
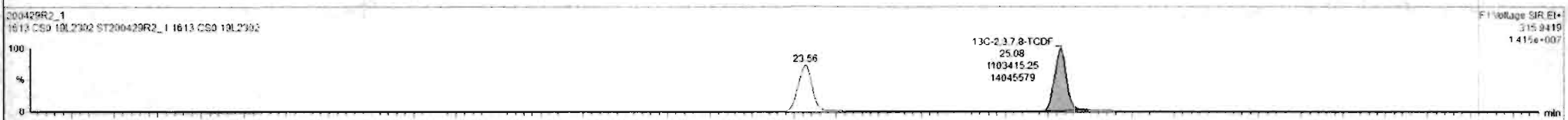
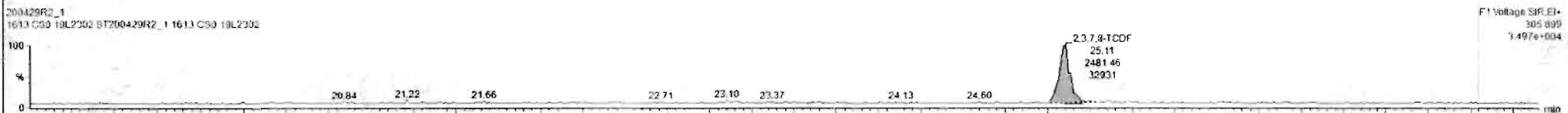
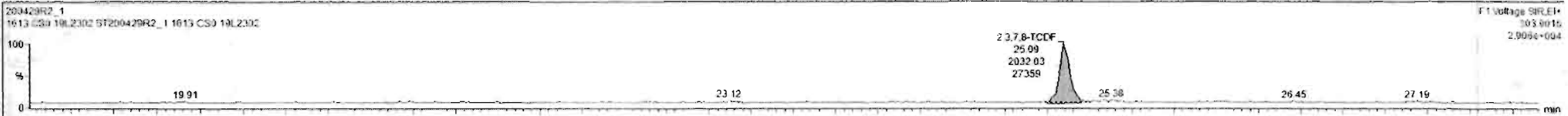


DPE1

200429R2_1



#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDF	25.07	0.813	NO	3.6607e3	1.7082e6	0.250	-9.3	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDF	31.13	0.587	NO	1.2578e4	1.1545e6	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.181	NO	1.1900e4	1.1604e6	1.250	-10.3	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	38.38	1.084	NO	7.001e3	3.1686e5	1.250	-13.5	6.93	0.698	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.0	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.09	0.819	NO	4.5135e3	2.5190e6	0.250	-8.9	5.11	0.787	0.0462
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.488	NO	2.0204e4	1.6427e6	1.250	-8.0	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.134	NO	1.1353e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0566
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.2494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2362e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.98	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	3.5952e3	9.2386e5	1.250	-14.5	7.54	0.871	0.0557
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.8018e3	5.9012e5	1.250	-11.4	6.82	1.01	0.0879
17	OCDF	41.52	0.838	NO	1.4068e4	1.6198e6	2.500	-13.4	7.16	0.802	0.0575



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200429R2_1 CAP NUM

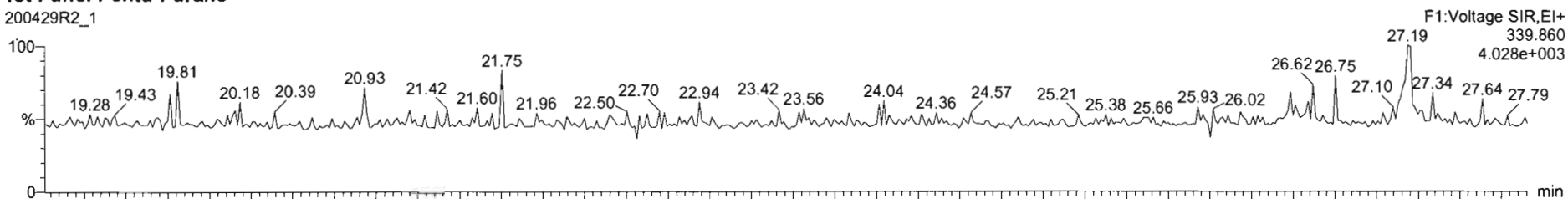
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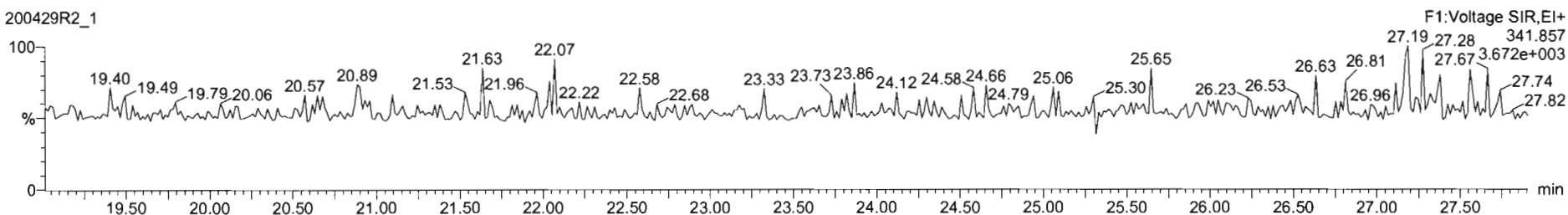
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200429R2_1

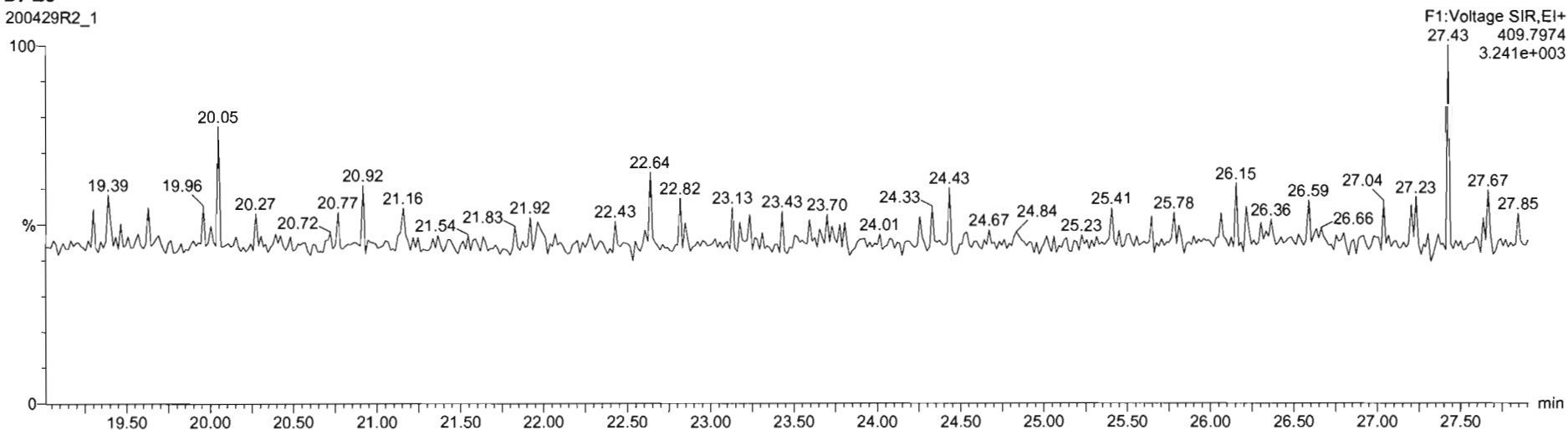


200429R2_1



DPE6

200429R2_1

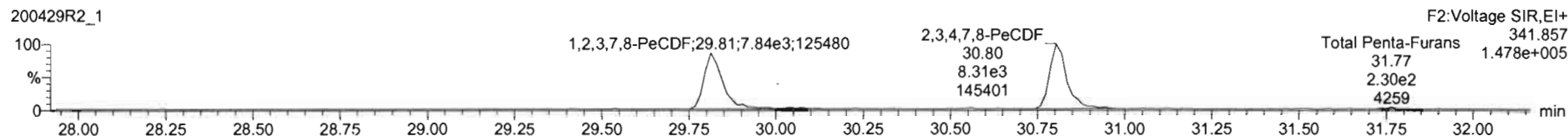
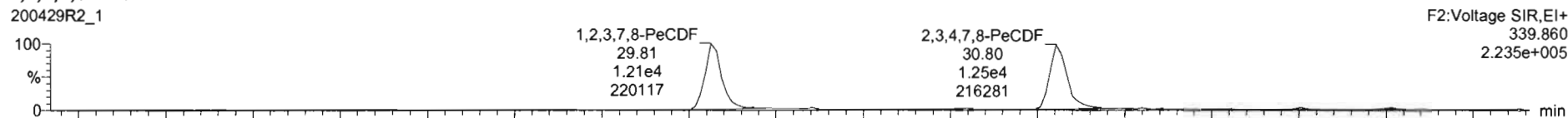


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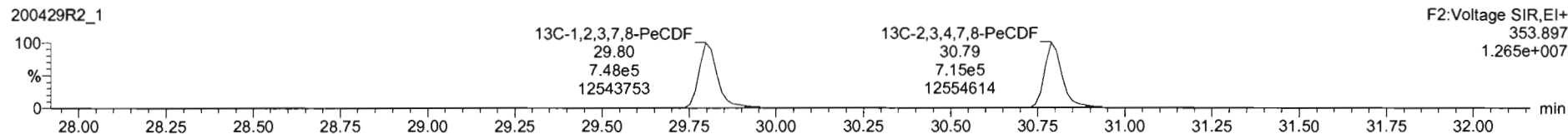
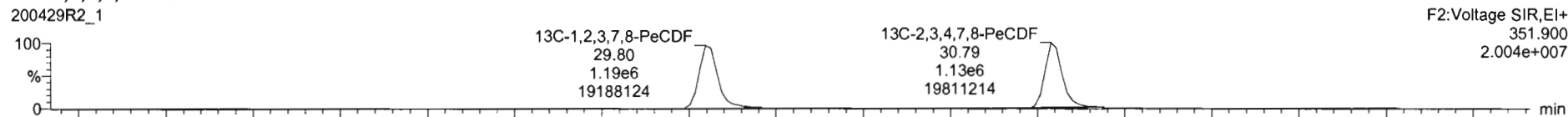
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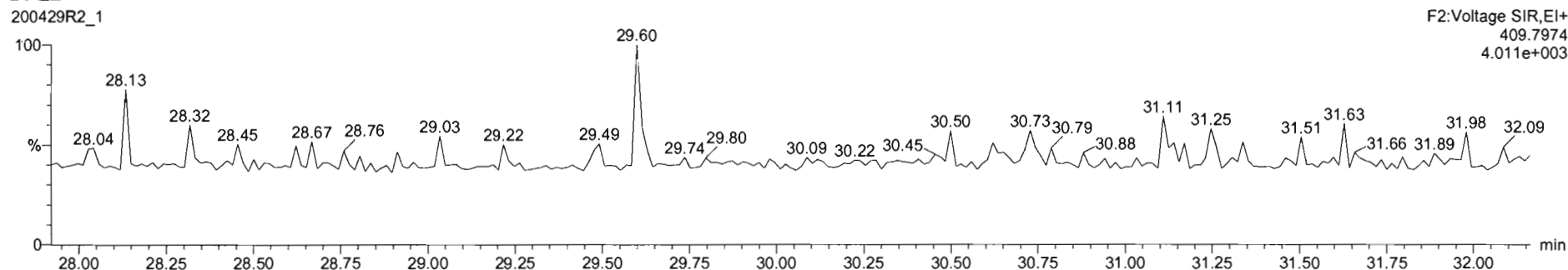
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13C-1,2,3,7,8-PeCDF

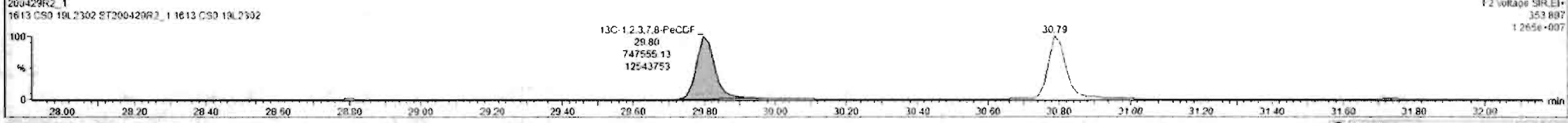
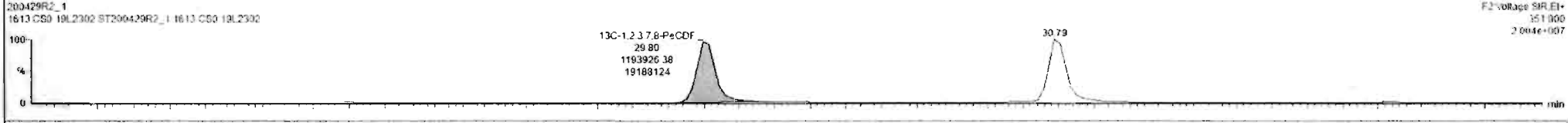
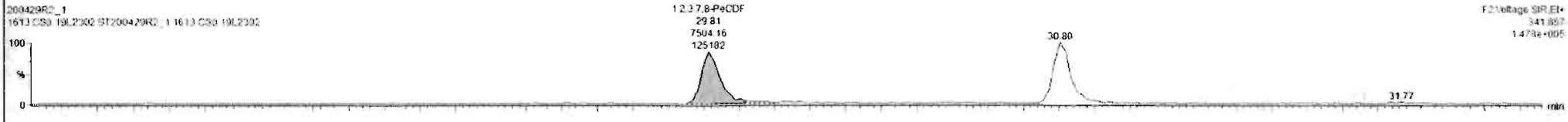
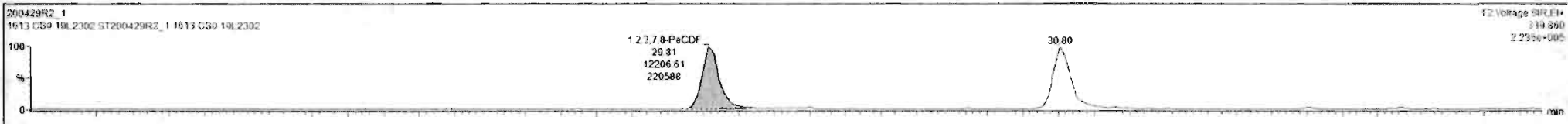


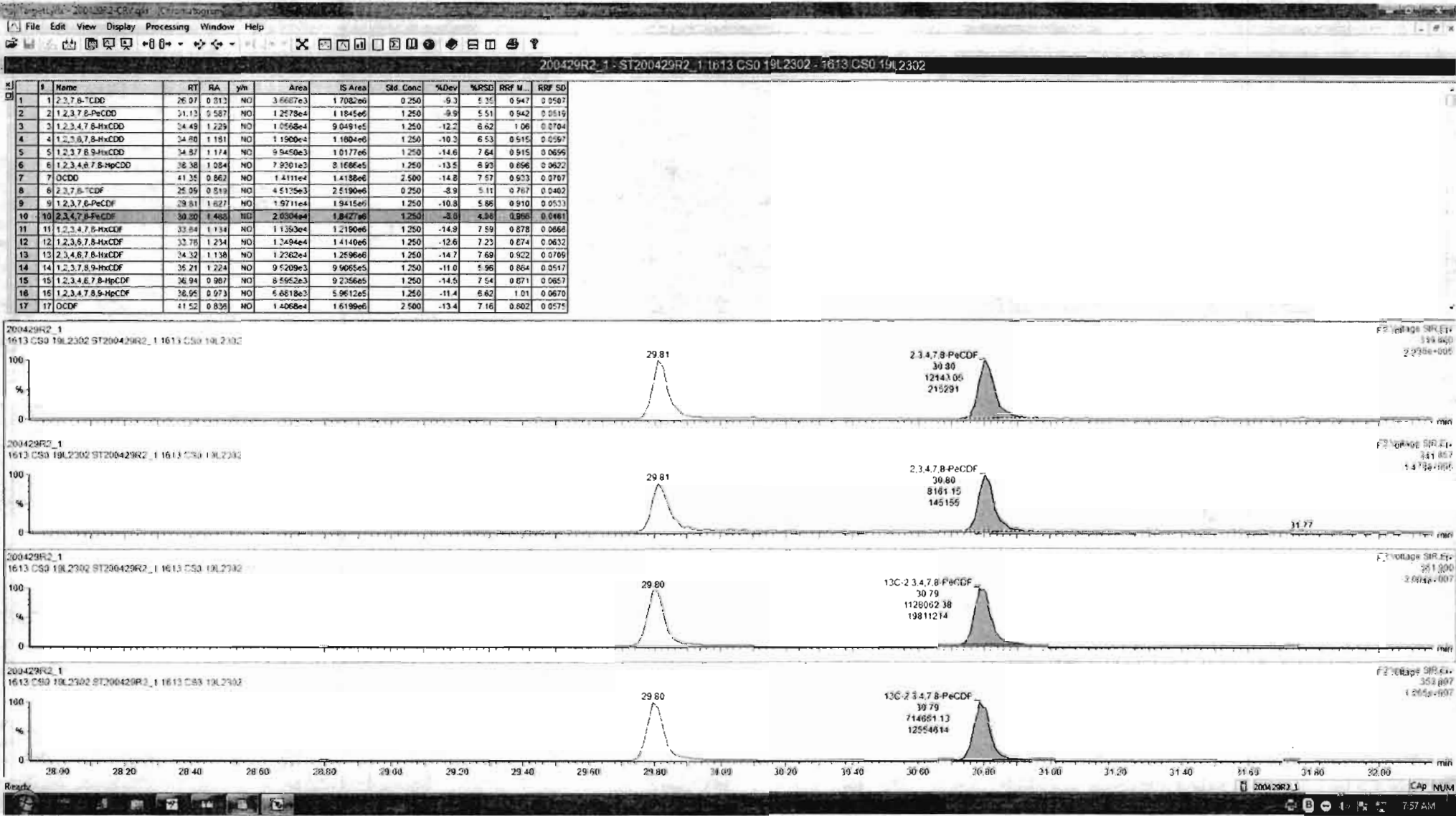
DPE2



200429R2_1 - ST200429R2_1 1613 CS0 19L2302 - 1613 CS0 19L2302

#	Name	RT	RA	ym	Area	IS Area	Std. Conc.	%Dev.	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.813	NO	3.6687e3	1.7082e6	0.250	-9.3	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2678e4	1.1845e6	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	24.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.181	NO	1.1900e4	1.1604e6	1.250	-10.2	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.97	1.174	NO	9.9459e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0659
6	1,2,3,4,6,7,8-HpCDD	38.38	1.094	NO	7.8201e3	8.1685e5	1.250	-13.5	6.93	0.858	0.0632
7	OCDD	41.35	0.862	NO	1.4111e4	1.4198e6	2.500	-14.8	7.57	0.933	0.0787
8	1,2,3,7,8-TCDF	25.05	0.819	NO	4.5125e3	2.5190e6	0.250	-8.9	5.11	0.787	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.88	0.918	0.0533
10	1,2,3,4,7,8-PeCDF	30.80	1.488	NO	2.0204e4	1.8427e6	1.250	-8.0	4.90	0.956	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.134	NO	1.1350e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.2494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2342e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	36.21	1.224	NO	9.4209e3	9.9065e5	1.250	-11.0	5.98	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5952e3	9.2356e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	5.6818e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0679
17	OCDF	41.52	0.836	NO	1.4668e4	1.6199e6	2.500	-13.4	7.16	0.802	0.0575





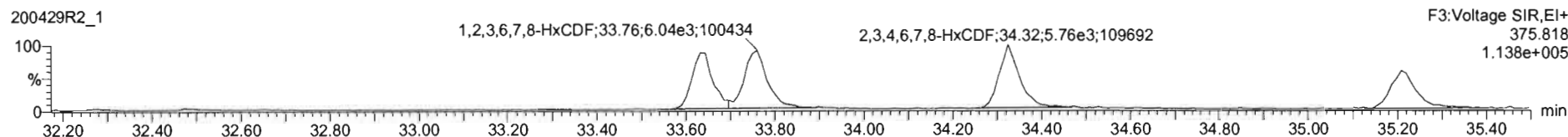
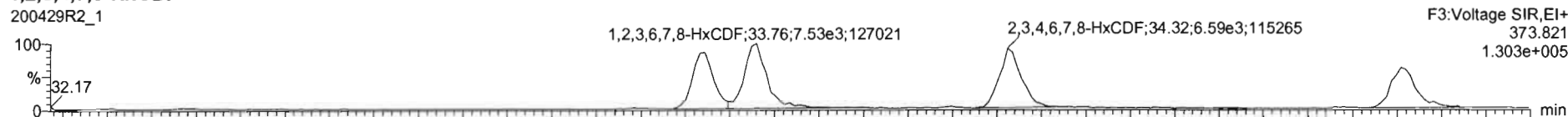
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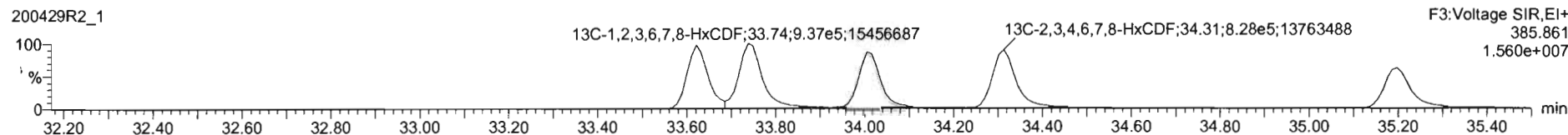
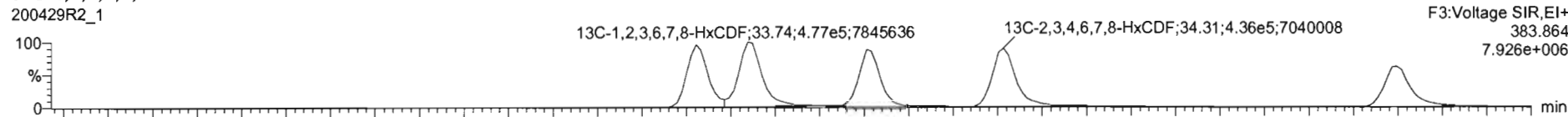
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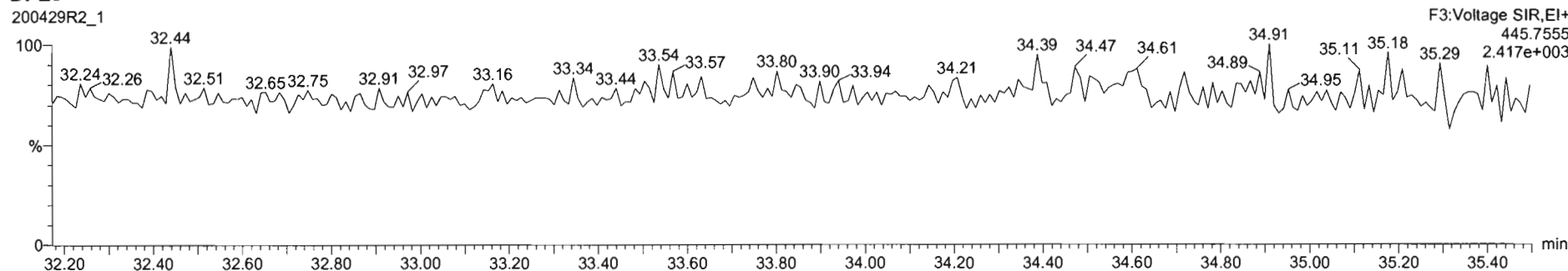
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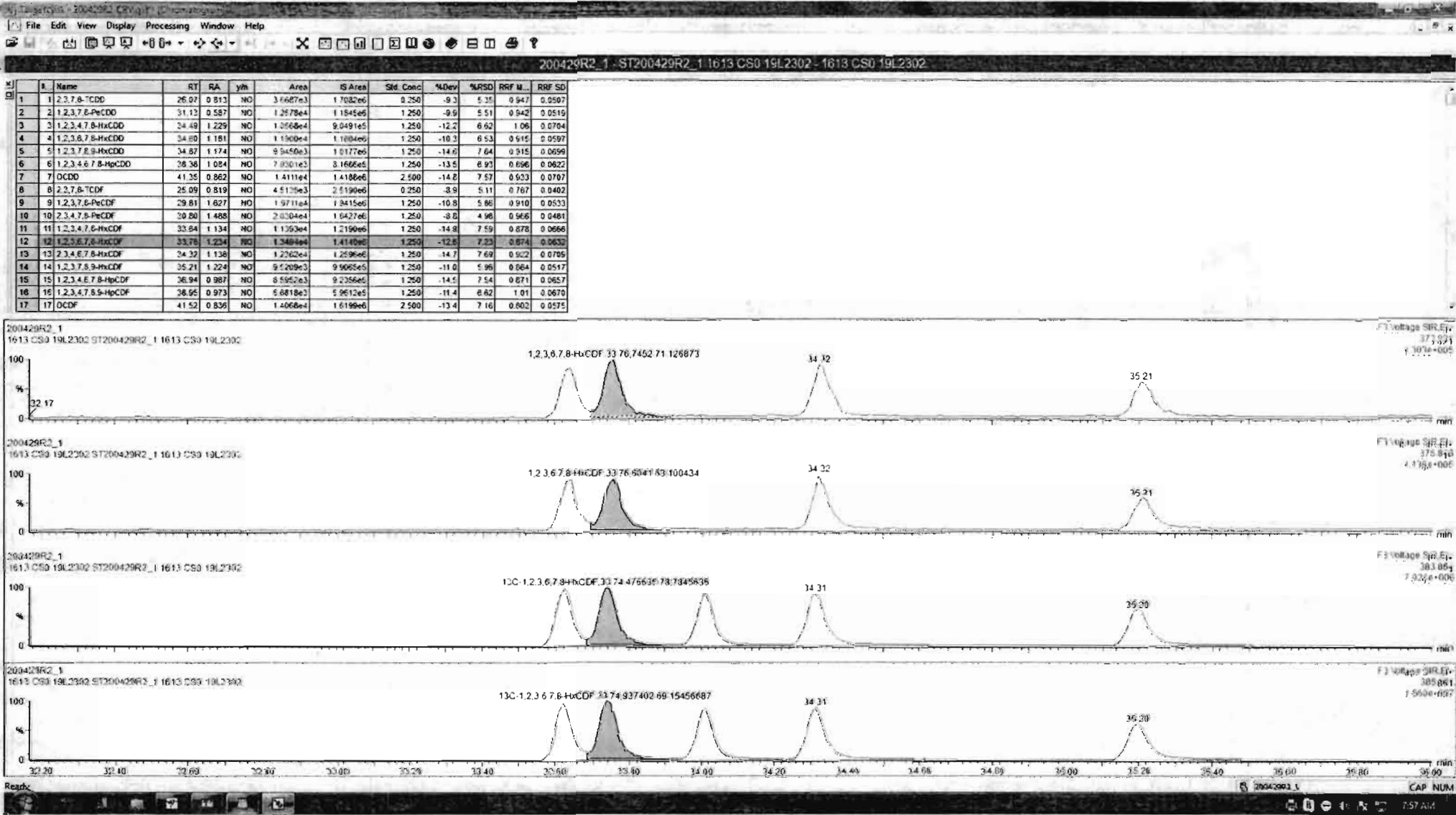


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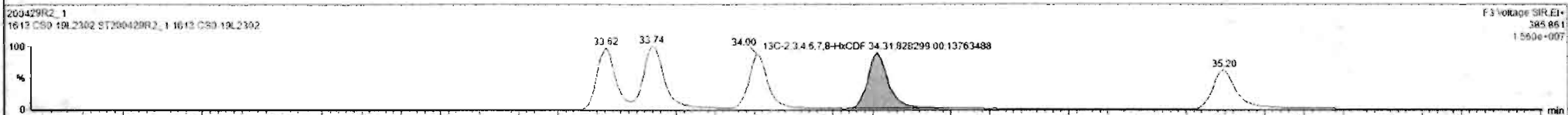
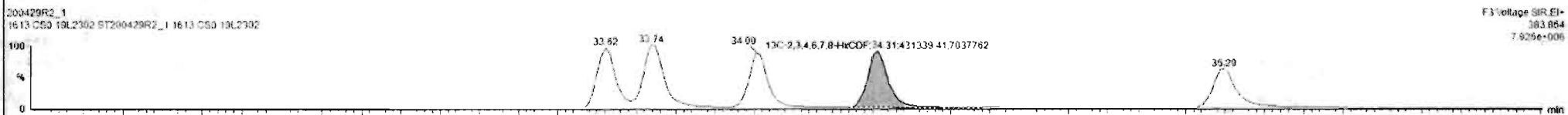
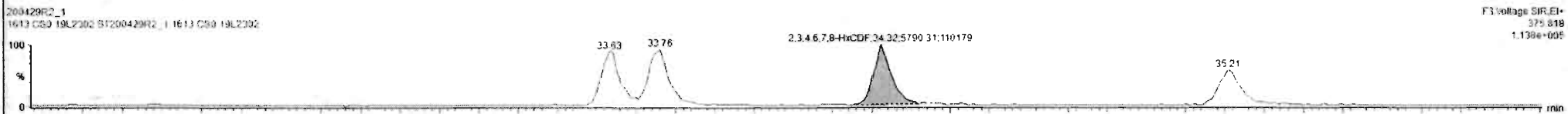
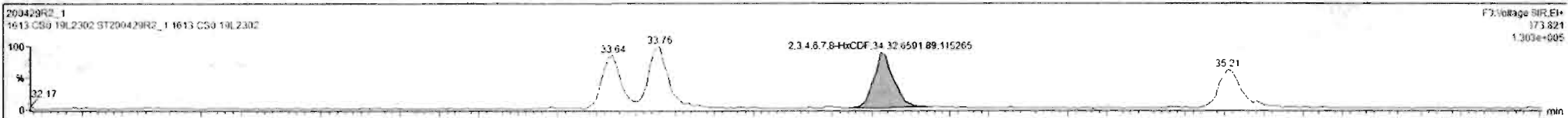


DPE3





Sl	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	28.07	0.813	NO	3.6667e3	1.7082e6	0.250	-9.3	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2478e4	1.1845e6	1.250	-9.9	5.51	0.942	0.0516
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,7,8-HxCDD	34.80	1.181	NO	1.1900e4	1.1604e6	1.250	-10.3	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.57	1.174	NO	9.5450e3	1.0177e6	1.250	-14.0	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	38.38	1.084	NO	7.3001e3	8.1686e5	1.250	-13.5	6.93	0.656	0.0632
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.8	7.57	0.923	0.0787
8	2,2,7,8-TCDF	25.09	0.819	NO	4.5125e3	2.5190e6	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.88	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.488	NO	2.0204e4	1.9427e6	1.250	-8.2	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.134	NO	1.1363e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	32.70	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.130	NO	1.2232e4	1.2590e6	1.250	-14.7	7.68	0.922	0.0766
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.96	0.964	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5952e3	9.2386e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.6818e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	DCDF	41.52	0.836	NO	1.4068e4	1.6189e6	2.500	-13.4	7.16	0.802	0.0575



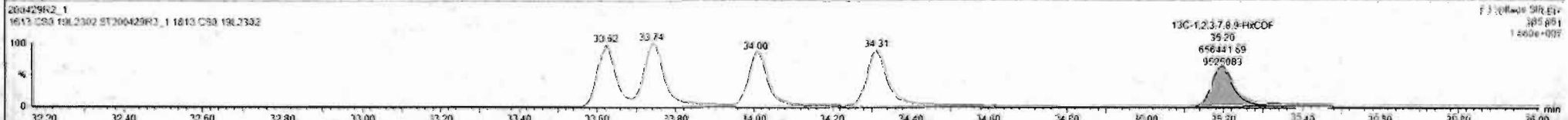
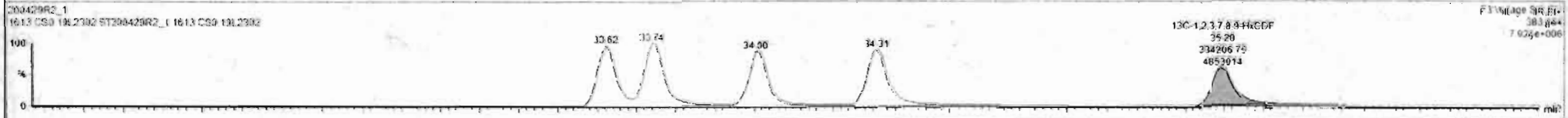
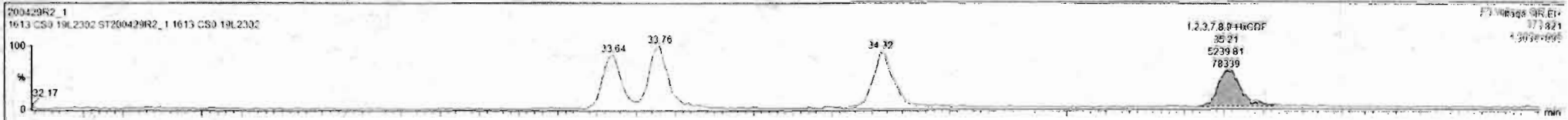
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CAP NUM

7:58 AM

#	Name	RT	RA	ym	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.813	NO	3.6687e3	1.7082e6	0.250	-9.3	6.30	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2178e4	1.1845e6	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.181	NO	1.1900e4	1.1688e6	1.250	-10.3	6.53	0.515	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.5450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0696
6	1,2,3,4,6,7,8-HpCDD	38.38	1.084	NO	7.9301e3	3.1686e5	1.250	-13.5	6.92	0.696	0.0632
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.0	7.57	0.633	0.0707
8	1,2,3,7,8-TCDF	25.09	0.819	NO	4.5125e3	2.4196e6	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.86	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	30.80	1.488	NO	2.0204e4	1.9427e6	1.250	-8.8	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.134	NO	1.1136e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HxCDF	34.37	1.138	NO	1.2262e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.98	0.704	0.0517
15	1,2,3,4,6,7,8-HpCDF	38.94	0.967	NO	8.5952e3	9.2356e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	5.6818e3	5.9612e5	1.250	-11.4	6.82	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4066e4	1.6199e6	2.500	-13.4	7.16	0.802	0.0575



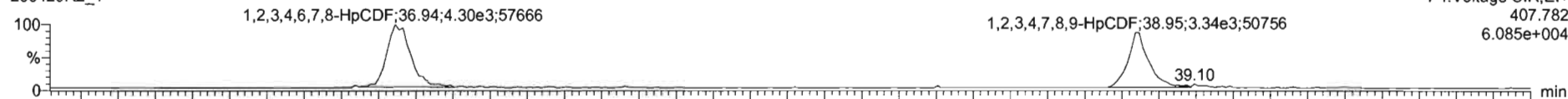
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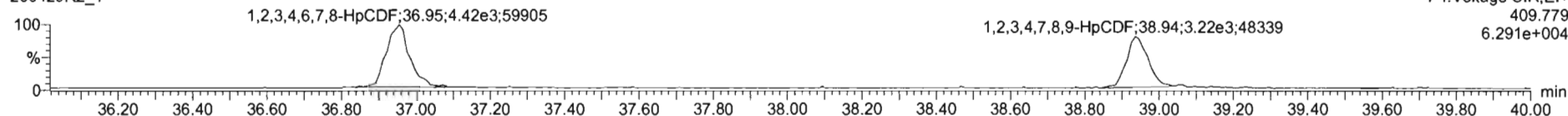
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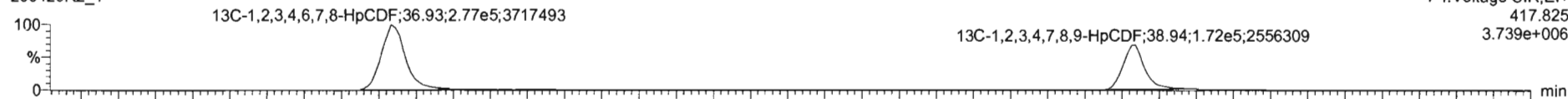


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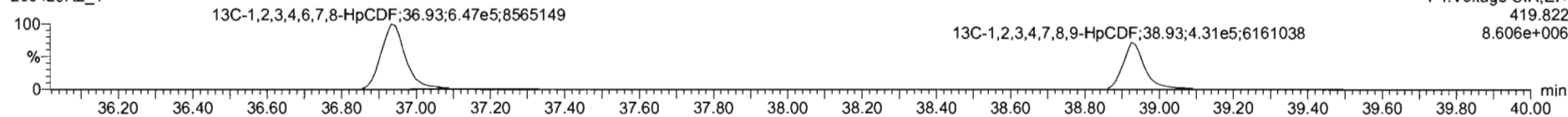


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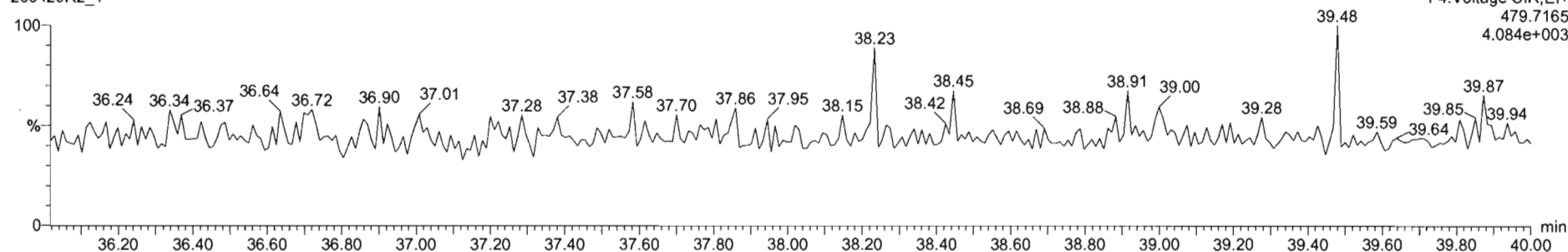


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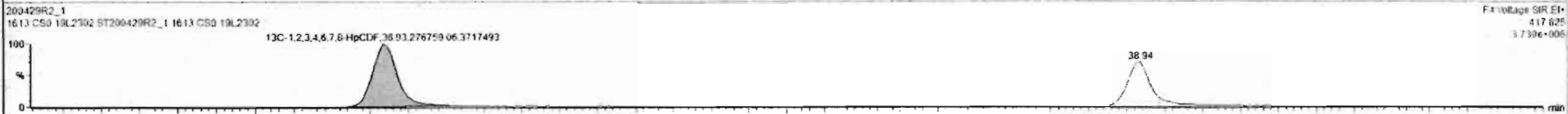
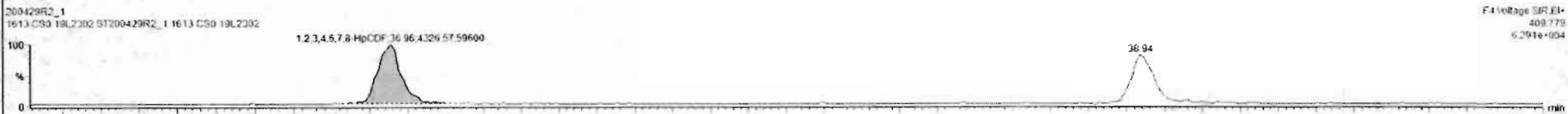
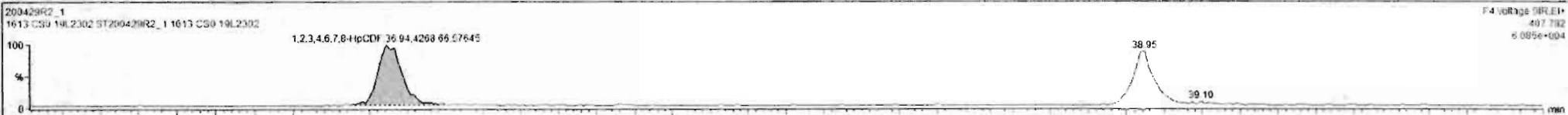


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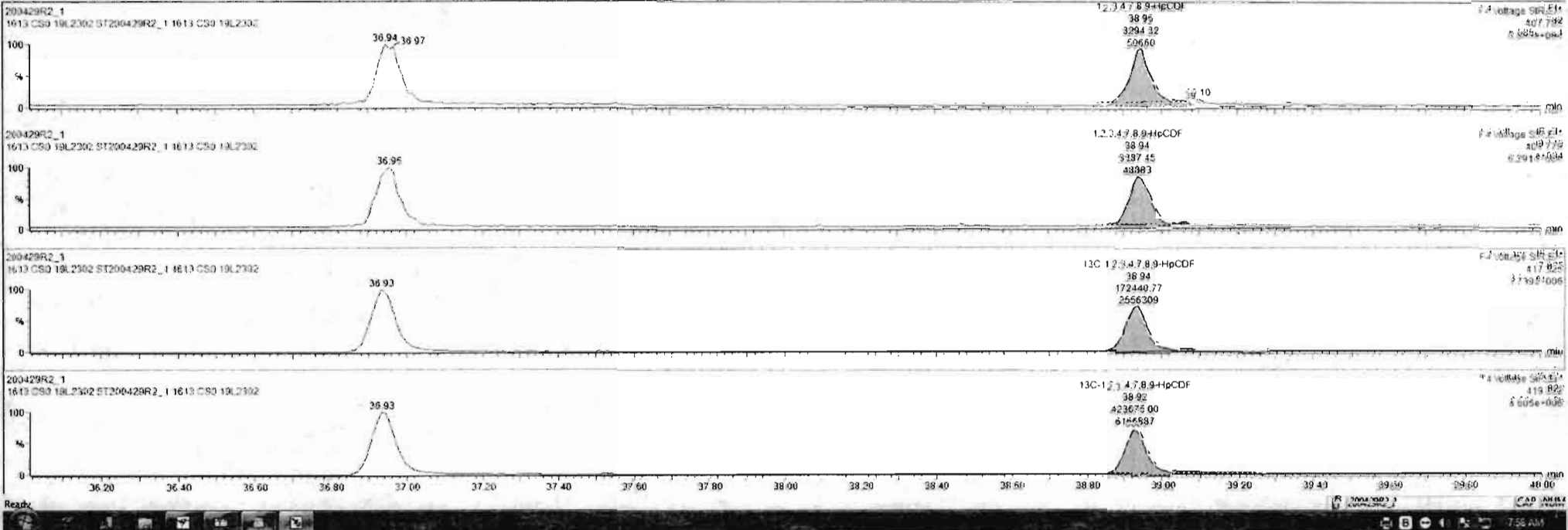
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#	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.813	NO	3.6687e3	1.7087e6	0.250	-9.3	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2678e4	1.1845e6	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.9491e5	1.250	-12.2	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.80	1.181	NO	1.1900e4	1.1604e6	1.250	-10.3	6.53	0.915	0.0567
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.38	1.084	NO	7.9201e3	8.1696e5	1.250	-13.5	6.93	0.656	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.8	7.57	0.933	0.0707
8	1,2,3,7,8-TCDF	26.09	0.819	NO	4.5125e3	2.5190e6	0.250	-3.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.51	1.627	NO	1.9711e4	1.9415e6	1.250	-10.3	5.66	0.910	0.0533
10	1,2,3,4,7,8-HxCDF	30.80	1.468	NO	2.9304e4	1.8427e6	1.250	-8.2	4.98	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.84	1.134	NO	1.1363e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HpCDF	34.32	1.138	NO	1.2282e4	1.2596e6	1.250	-14.7	7.68	0.922	0.0789
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.96	0.984	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5862e3	9.2366e5	1.250	-14.5	7.54	0.871	0.0667
16	1,2,3,4,7,8,9-HpCDF	36.95	0.873	NO	6.6818e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4068e4	1.6199e6	2.500	-13.4	7.16	0.802	0.0575



#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.813	NO	3.6687e3	1.7082e6	0.250	9.3	6.35	0.547	0.0567
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2578e4	1.1845e6	1.250	-9.5	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.161	NO	1.1900e4	1.1604e6	1.250	-10.3	6.53	0.515	0.0592
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	38.38	1.054	NO	7.9301e3	8.1686e5	1.250	-13.5	6.93	0.856	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4198e6	2.500	-14.0	7.57	0.923	0.0702
8	2,3,7,8-TCDF	25.09	0.819	NO	4.5125e3	2.5190e6	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.458	NO	2.0204e4	1.9427e6	1.250	-8.0	4.98	0.566	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.134	NO	1.1353e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.674	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2262e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.6065e5	1.250	-11.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5952e3	9.2356e5	1.250	-14.5	7.54	0.671	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.8019e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	OCDF	41.52	0.826	NO	1.4066e4	1.6199e6	2.500	-13.4	7.10	0.802	0.0575



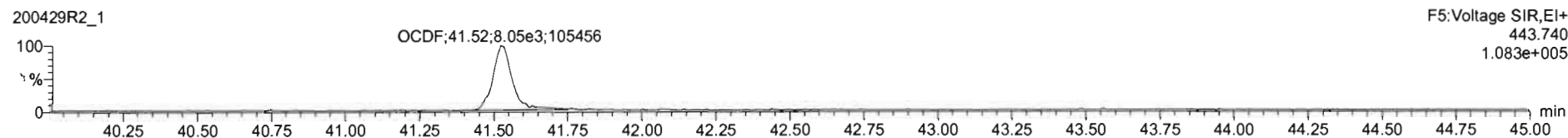
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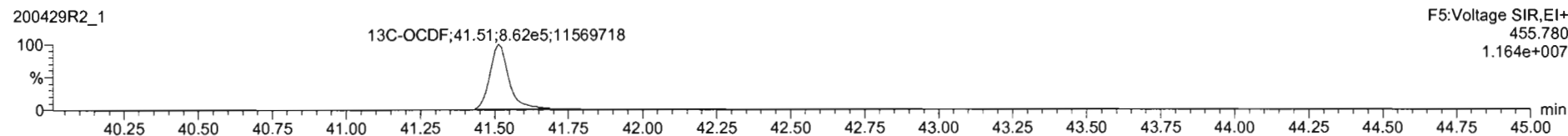
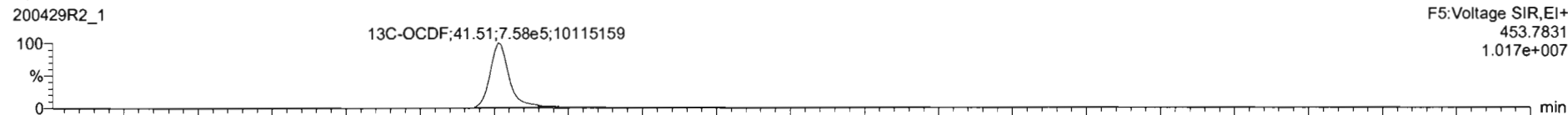
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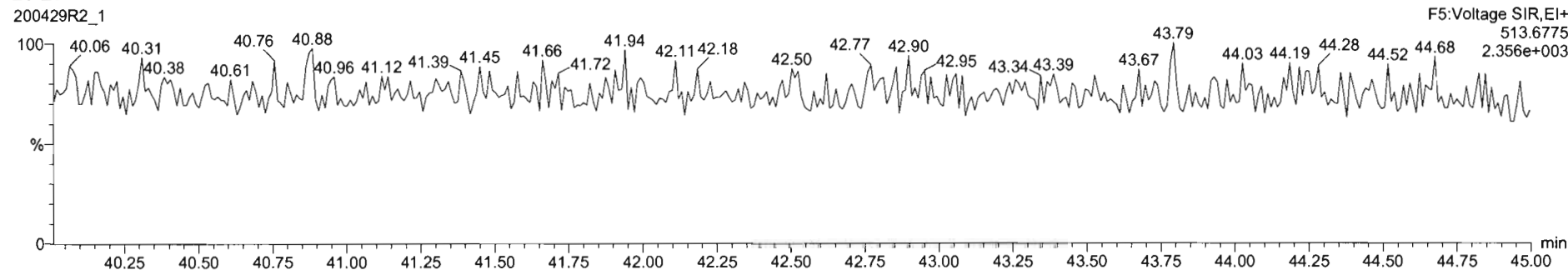
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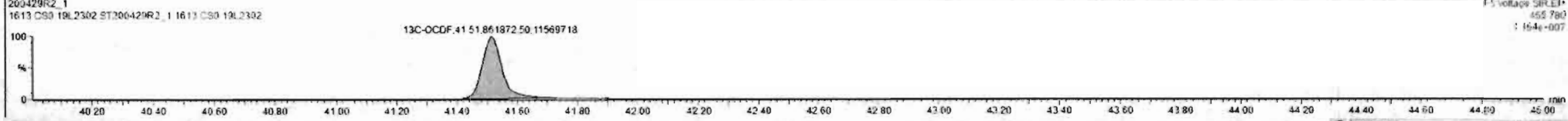
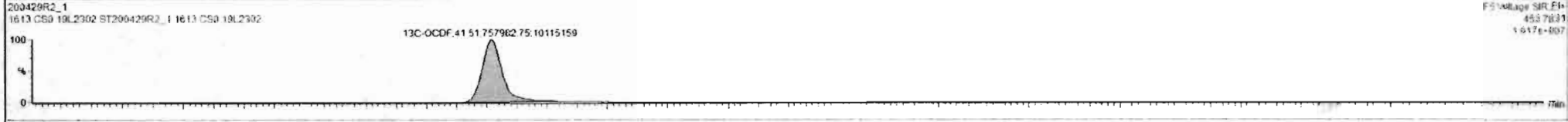
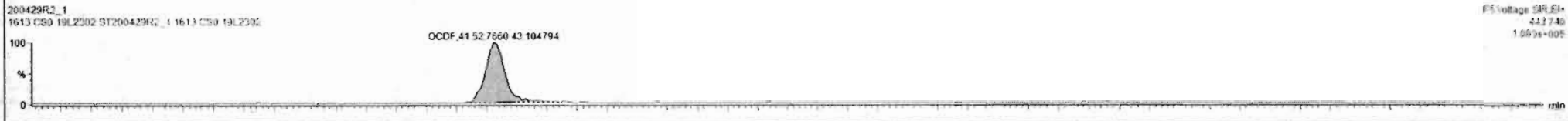
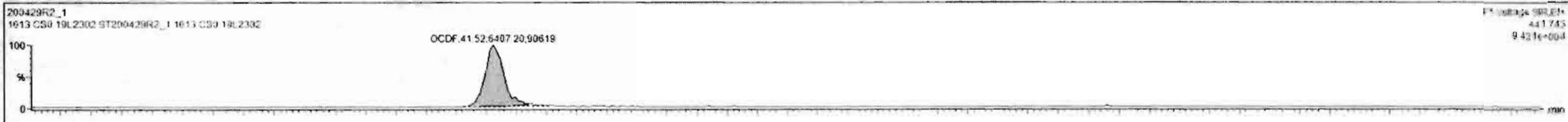
13C-OCDF



DPE5



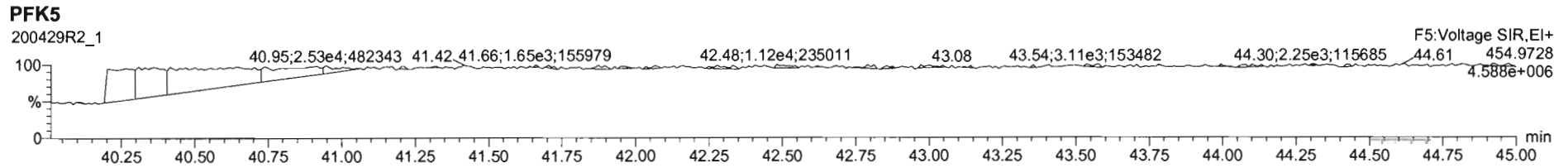
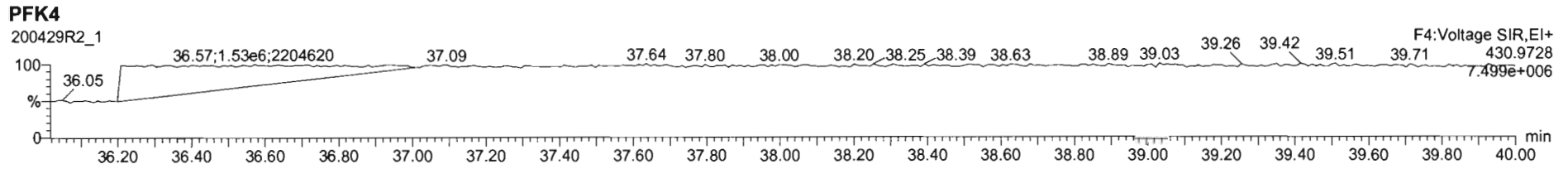
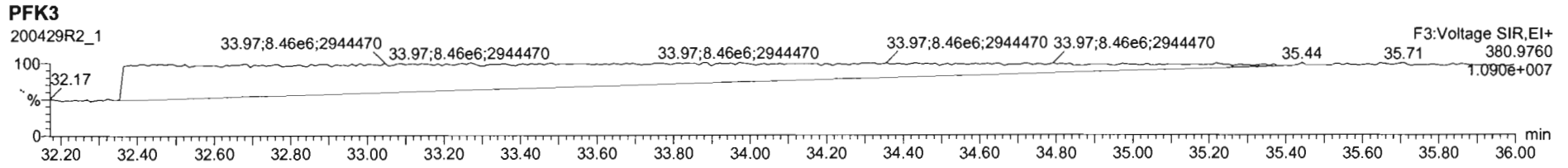
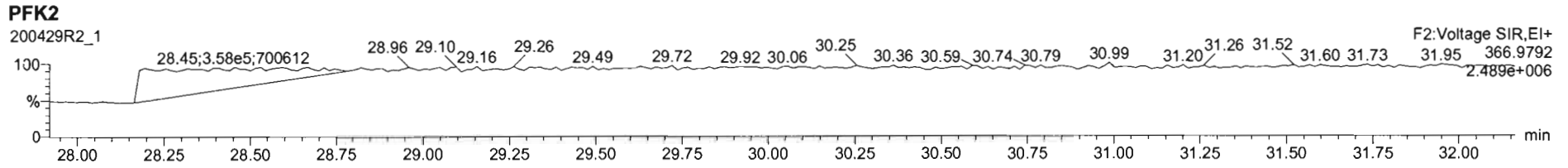
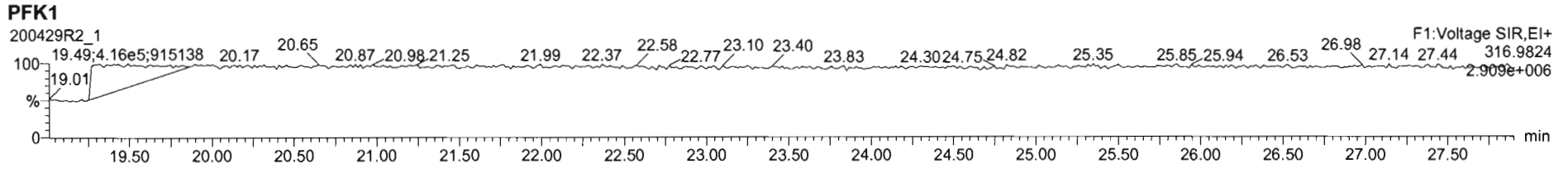
#	Name	RT	RA	Yln	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.813	NO	3.6687e3	1.7032e6	0.250	-9.3	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2578e4	1.1845e6	1.250	9.9	5.51	0.942	0.0516
3	1,2,3,6,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.40	1.191	NO	1.1900e4	1.1804e6	1.250	-10.3	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	38.38	1.094	NO	7.9201e3	3.1686e5	1.250	-13.5	8.97	0.856	0.0622
7	OCDD	41.35	0.962	NO	1.4111e4	1.4188e6	2.500	-14.2	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.95	0.919	NO	4.5125e3	2.5190e6	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.3	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.00	1.488	NO	2.004e4	1.8427e6	1.250	-8.0	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.134	NO	1.1353e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.76	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2262e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5952e3	9.2356e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.8818e3	5.9612e5	1.250	-11.4	6.67	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4068e4	1.6189e6	2.500	-13.4	7.16	0.802	0.0575



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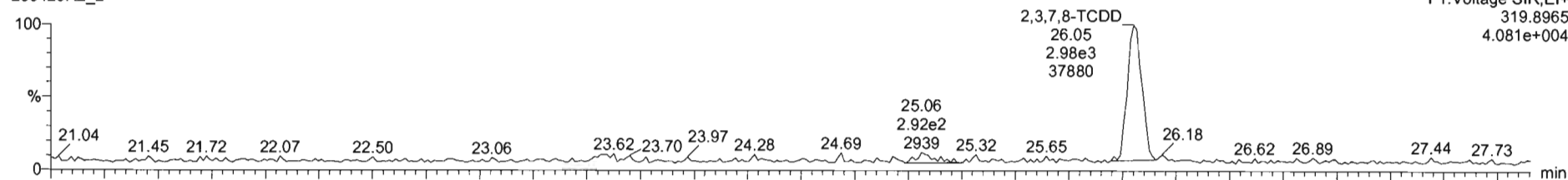
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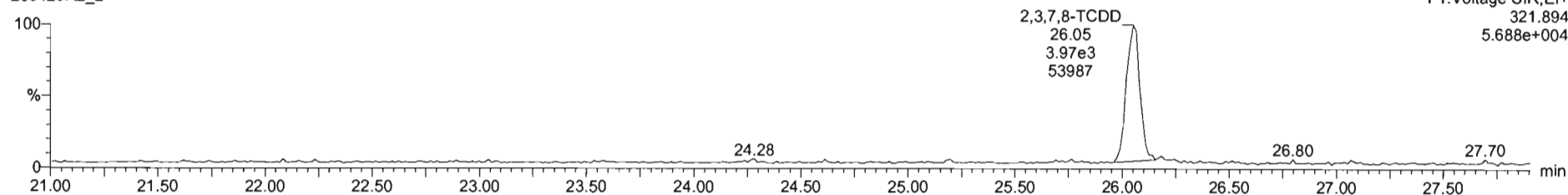
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2,3,7,8-TCDD

200429R2_2

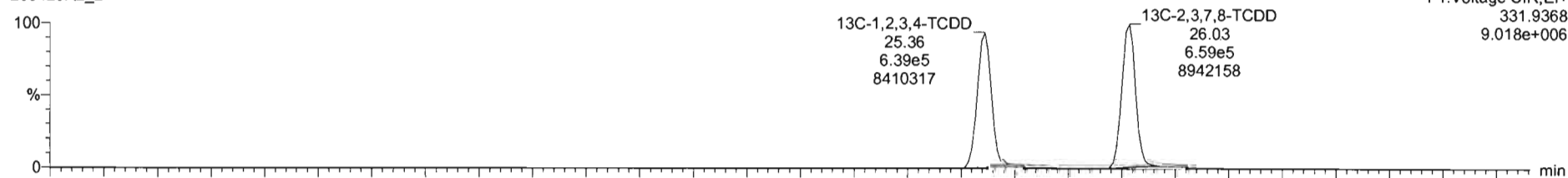


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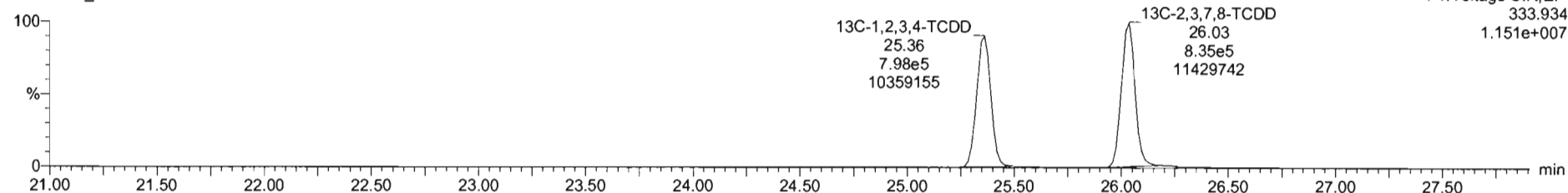


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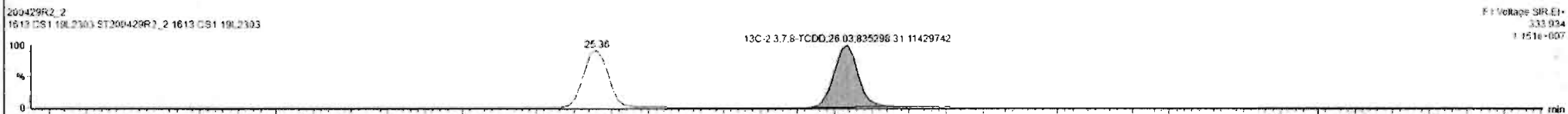
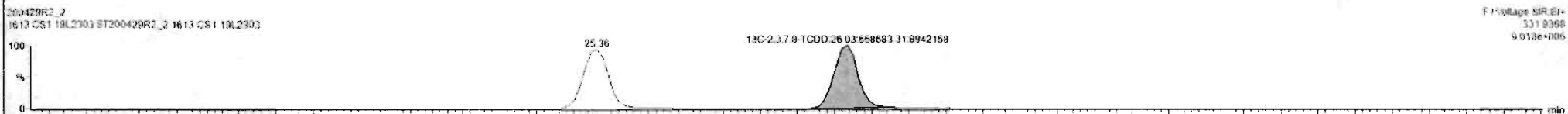
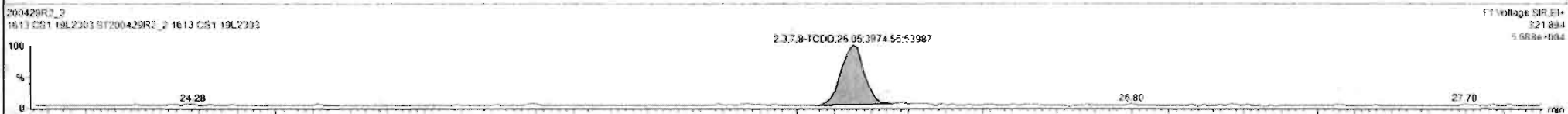
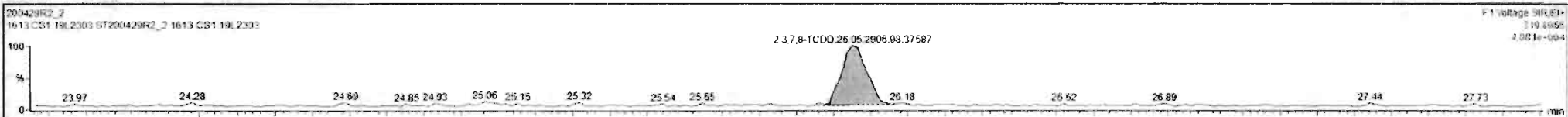
200429R2_2



200429R2_2



#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	26.05	0.731	NO	6.8015e3	1.4946e6	6.500	-2.8	5.35	0.547	0.0567
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	-0.4	5.51	0.942	0.0515
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.187	NO	2.1618e4	9.8509e5	2.500	-3.1	6.53	0.515	0.0597
5	1,2,3,7,8,9-HxCDD	34.88	1.205	NO	1.9608e4	8.4960e5	2.500	1.9	7.64	0.915	0.0696
6	1,2,3,4,6,7,8-HpCDD	38.37	1.010	NO	1.4785e4	6.9692e5	2.500	-0.2	6.93	0.696	0.0602
7	OCDD	41.25	0.914	NO	2.7910e4	1.2052e6	5.000	-0.8	7.57	0.923	0.0767
8	2,3,7,8-TCDF	25.11	0.746	NO	8.7318e3	2.2156e6	0.500	0.1	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.8524e4	1.6515e6	2.500	0.1	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.82	1.528	NO	3.8966e4	1.6151e6	2.500	-0.1	4.90	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2618e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.76	1.187	NO	2.5479e4	1.1032e6	2.500	-1.4	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.183	NO	2.3827e4	1.0498e6	2.500	-1.5	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.21	1.206	NO	1.8611e4	6.7735e5	2.500	-1.8	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7338e4	7.8418e5	2.500	1.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.954	NO	1.1991e4	4.9230e5	2.500	3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4610e6	5.000	-2.4	7.16	0.802	0.0575



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200429R2_2

CAP NUM

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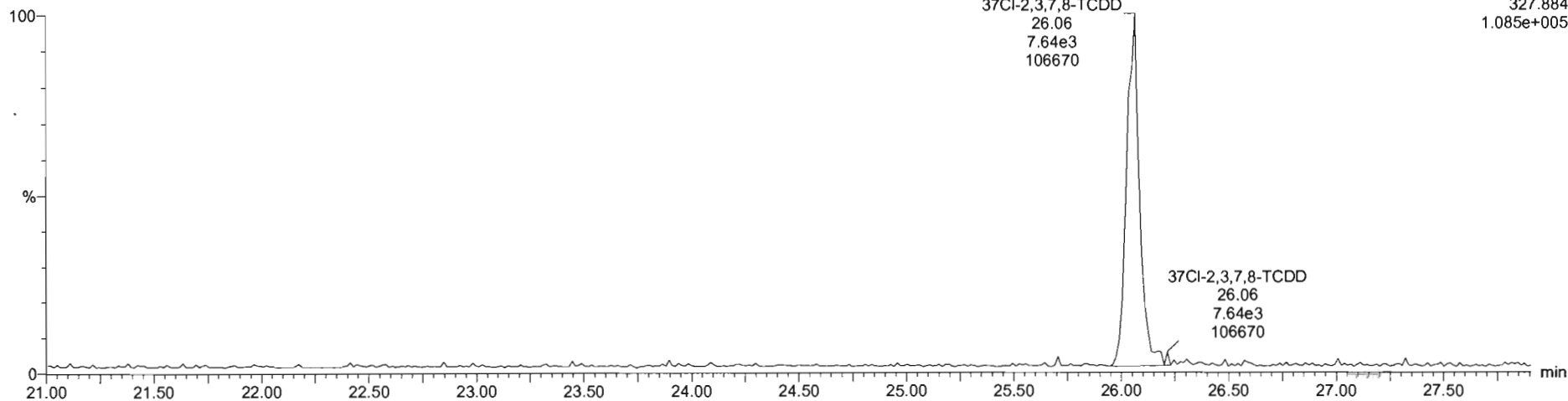
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

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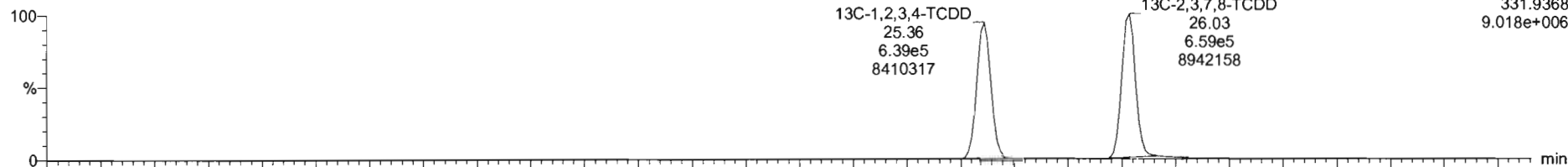
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200429R2_2

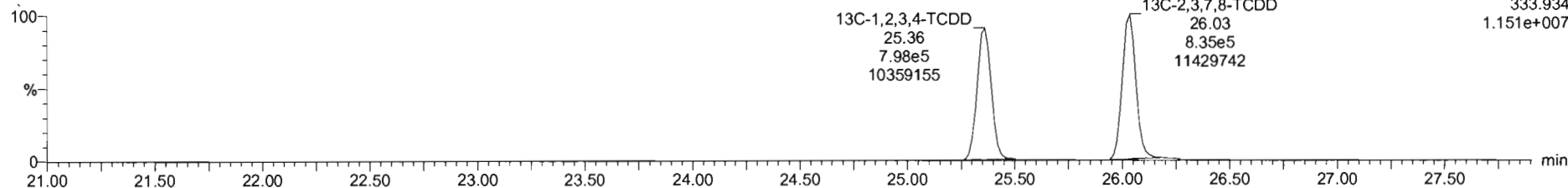


13C-1,2,3,4-TCDD

200429R2_2



200429R2_2



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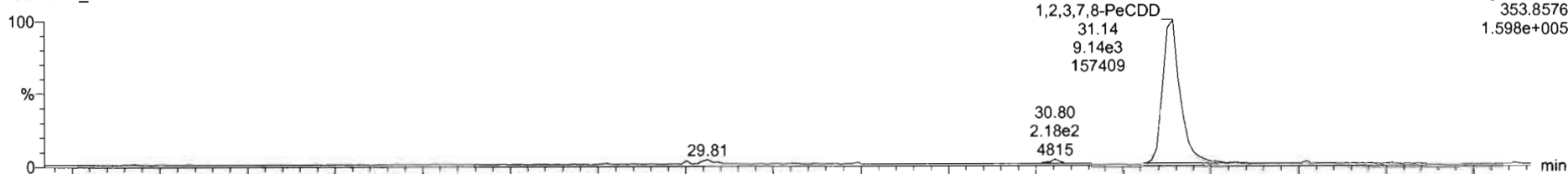
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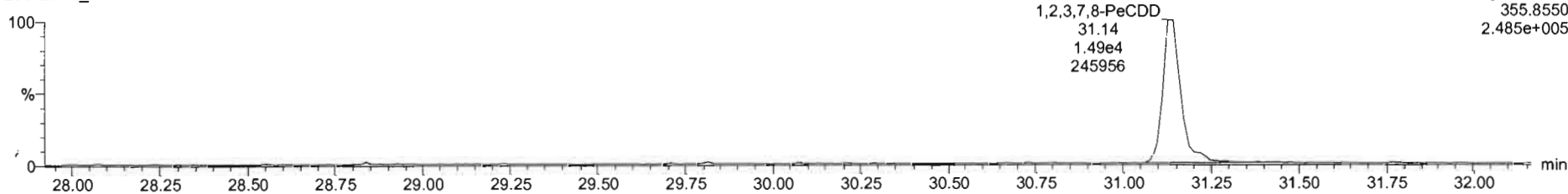
Name: 200429R2_2, Date: 29-Apr-2020, Time: 14:15:04, ID: ST200429R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

1,2,3,7,8-PeCDD

200429R2_2

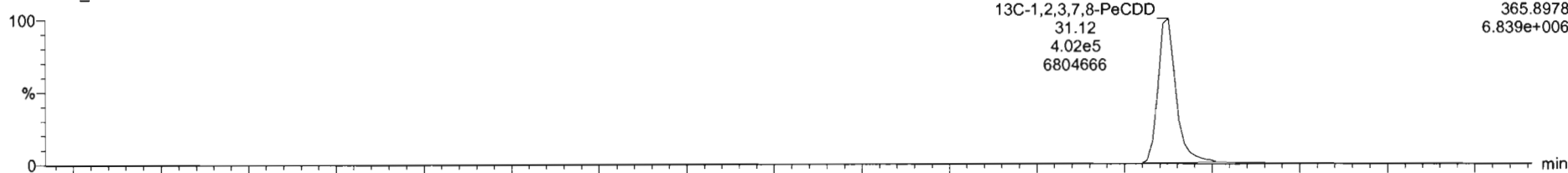


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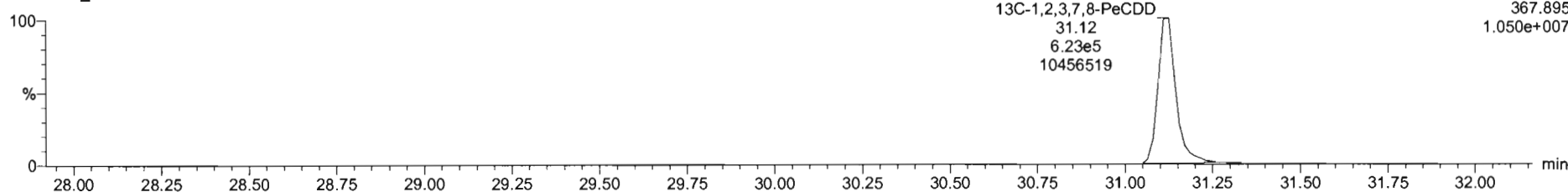


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200429R2_2



200429R2_2



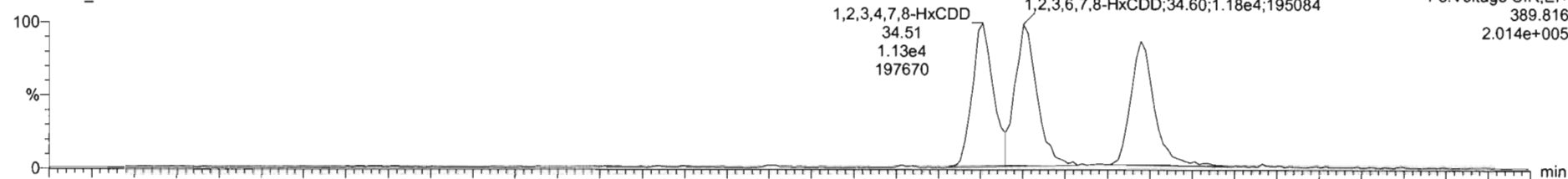
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Name: 200429R2_2, Date: 29-Apr-2020, Time: 14:15:04, ID: ST200429R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

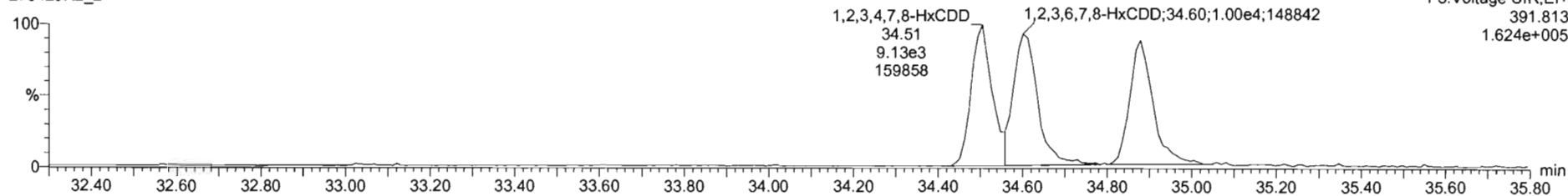
1,2,3,4,7,8-HxCDD

200429R2_2



F3:Voltage SIR,EI+
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2.014e+005

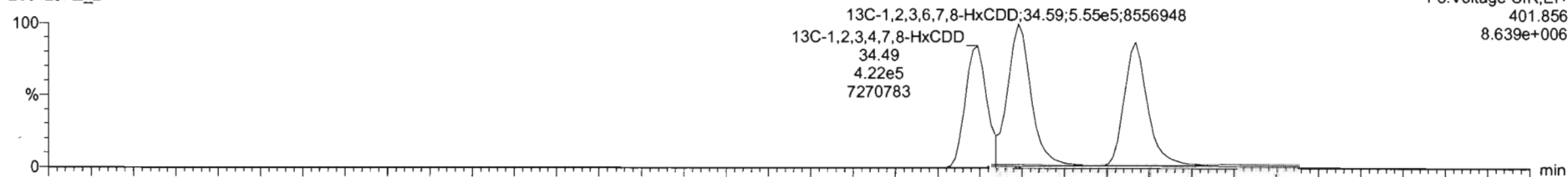
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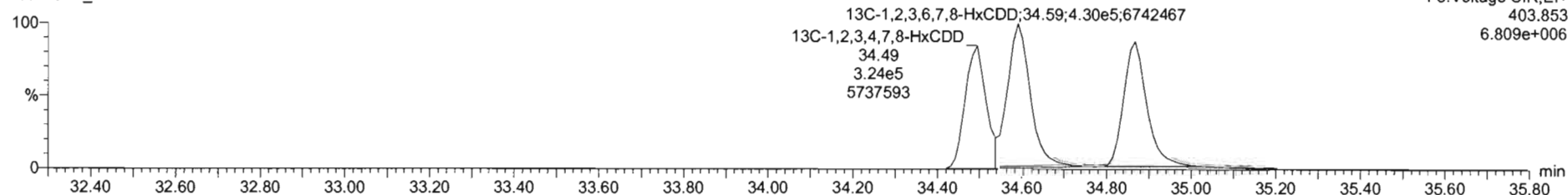
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200429R2_2



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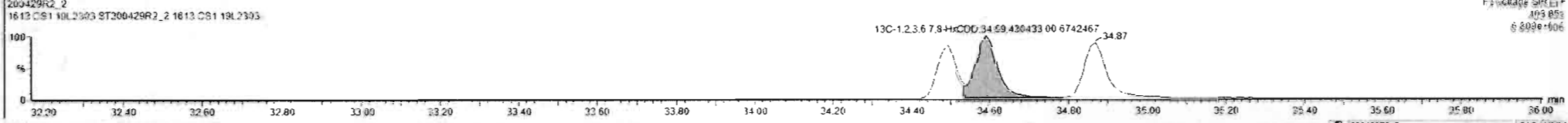
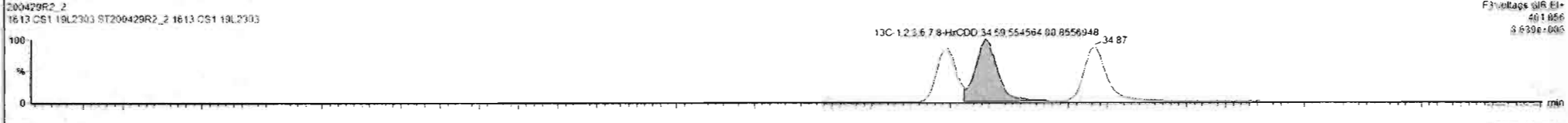
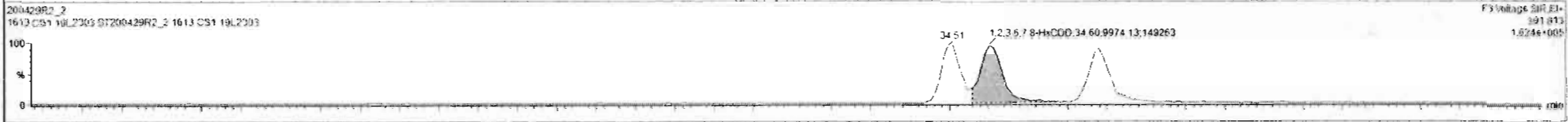
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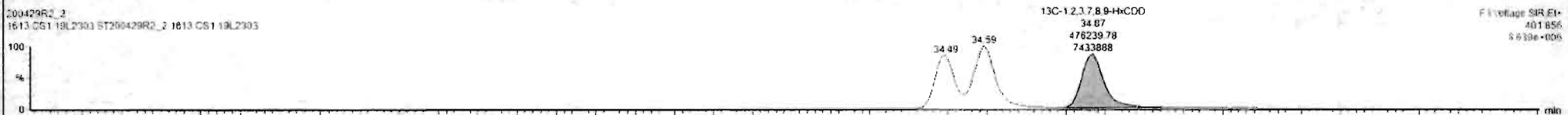
F3:Voltage SIR,EI+
403.853
6.809e+006

200429R2_2 - ST200429R2_2 1613 CS1 19L2303 - 1613 CS1 19L2303

#	Name	RT	RA	yn	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.05	0.731	NO	6.8615e3	1.4940e6	0.500	2.6	6.35	0.547	0.0507
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	-0.4	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.167	NO	2.1618e4	9.2599e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.88	1.205	NO	1.9608e4	8.4560e5	2.500	1.9	7.64	0.915	0.0599
6	1,2,3,4,6,7,8-HpCDD	38.37	1.010	NO	1.4785e4	6.5992e5	2.500	-0.2	8.93	0.896	0.0622
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.8	7.57	0.933	0.0707
8	2,2,7,8-TCDF	25.11	0.746	NO	8.7318e3	2.2158e6	0.500	0.1	5.11	0.787	0.0492
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.6534e4	1.6915e6	2.500	0.1	5.66	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	20.82	1.528	NO	3.8866e4	1.6151e6	2.500	-0.1	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.211	NO	2.2618e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.187	NO	2.5479e4	1.1832e6	2.500	-1.4	7.23	0.674	0.0632
13	1,2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.21	1.206	NO	1.8611e4	8.7735e5	2.500	-1.8	5.98	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7328e4	7.8418e5	2.500	1.5	7.54	0.671	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.954	NO	1.1991e4	4.9230e5	2.500	-3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4018e6	5.000	-2.4	7.16	0.802	0.0575



#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.05	0.731	NO	6.8815e3	1.4840e0	0.500	-2.6	5.35	0.547	0.0507
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e5	2.500	-0.4	5.51	0.942	0.0510
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.187	NO	2.1610e4	9.9500e5	2.500	-3.1	6.53	0.515	0.0597
5	1,2,3,7,8,9-HxCDD	34.82	1.225	NO	1.9020e4	8.4500e5	2.500	1.9	7.64	0.915	0.0599
6	1,2,3,4,6,7,8-HpCDD	38.37	1.010	NO	1.4765e4	6.5982e5	2.500	-0.2	6.93	0.856	0.0622
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.8	7.57	0.923	0.0707
8	1,2,3,7,8-TCDF	25.11	0.746	NO	8.7318e3	2.2180e0	0.500	0.1	5.11	0.787	0.0402
9	1,2,3,7,8-PeCDF	29.82	1.542	NO	3.8524e4	1.6915e6	2.500	0.1	5.86	0.910	0.0523
10	2,3,4,7,8-PeCDF	20.82	1.528	NO	3.8866e4	1.6151e6	2.500	-0.1	4.90	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2610e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.76	1.187	NO	2.5479e4	1.1832e6	2.500	-1.4	7.23	0.674	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.21	1.205	NO	1.8511e4	8.7735e5	2.500	1.0	5.98	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7328e4	7.8418e5	2.500	1.5	7.54	0.671	0.0657
16	1,2,3,4,7,8,9-HpCDF	28.95	0.954	NO	1.1591e4	4.9230e5	2.500	-3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.802	0.0575



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200429R2_2 CAP NUM

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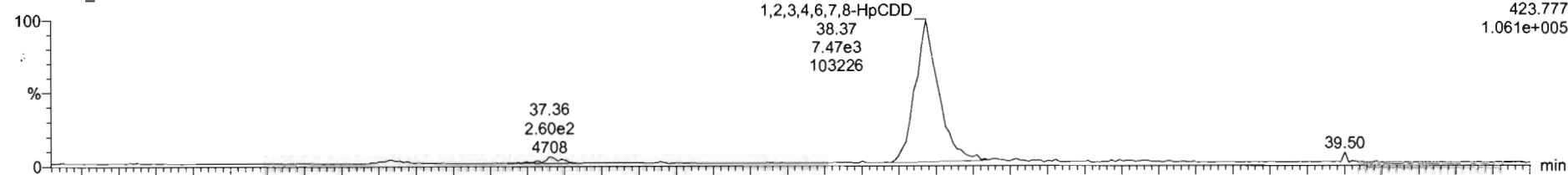
Last Altered: Thursday, April 30, 2020 7:55:03 AM Pacific Daylight Time

Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

Name: 200429R2_2, Date: 29-Apr-2020, Time: 14:15:04, ID: ST200429R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

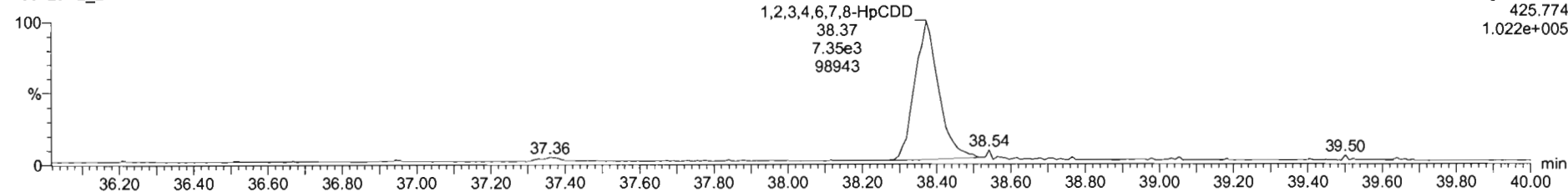
1,2,3,4,6,7,8-HpCDD

200429R2_2



F4:Voltage SIR,EI+
423.777
1.061e+005

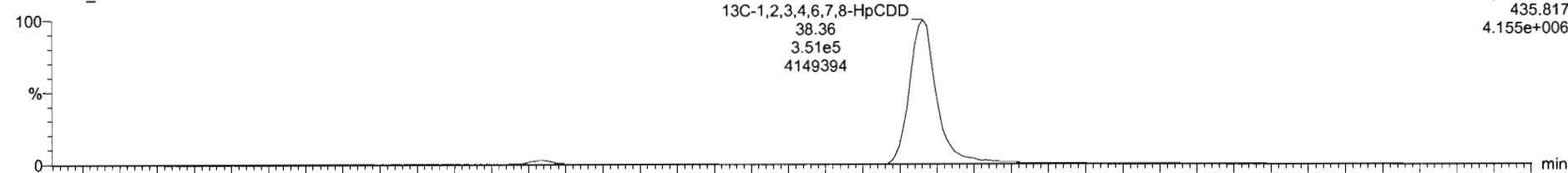
200429R2_2



F4:Voltage SIR,EI+
425.774
1.022e+005

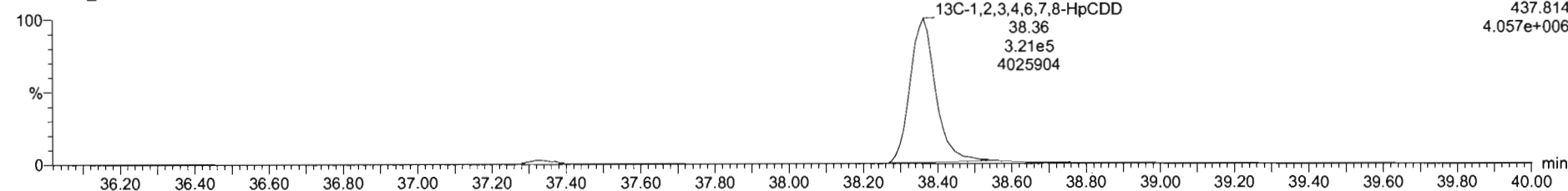
13C-1,2,3,4,6,7,8-HpCDD

200429R2_2

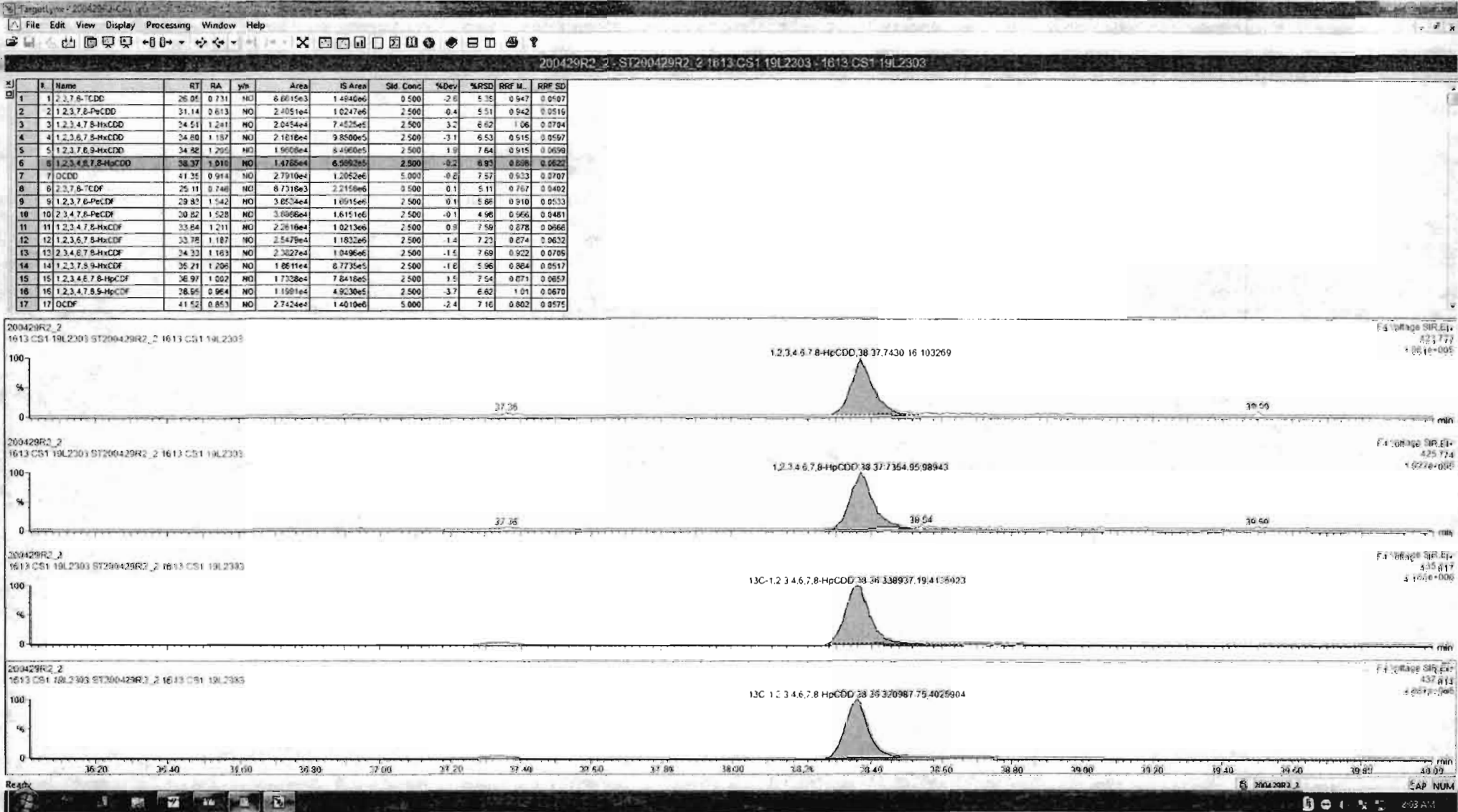


F4:Voltage SIR,EI+
435.817
4.155e+006

200429R2_2



F4:Voltage SIR,EI+
437.814
4.057e+006



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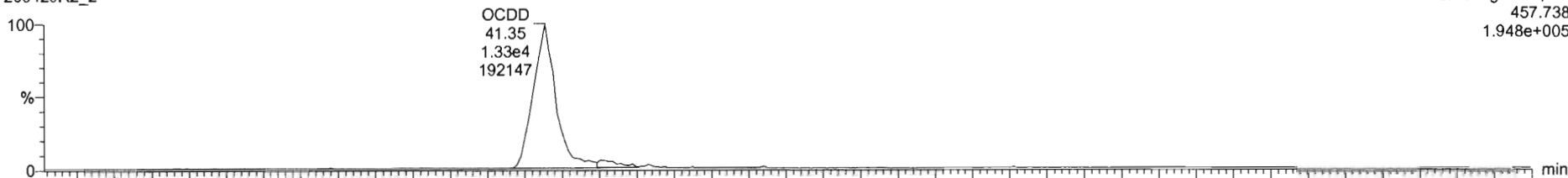
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Name: 200429R2_2, Date: 29-Apr-2020, Time: 14:15:04, ID: ST200429R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

OCDD

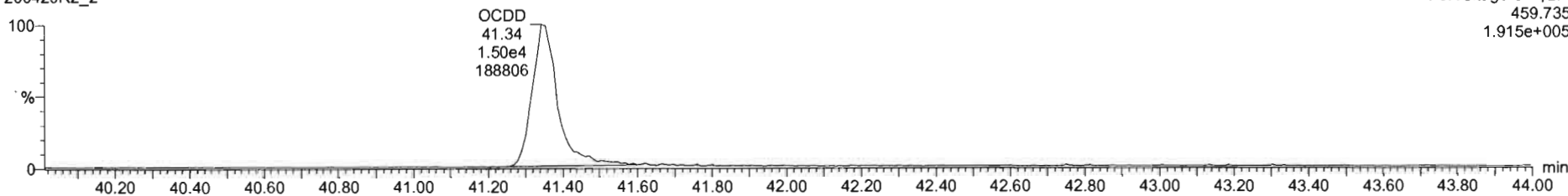
200429R2_2

F5:Voltage SIR,EI+
457.738
1.948e+005



200429R2_2

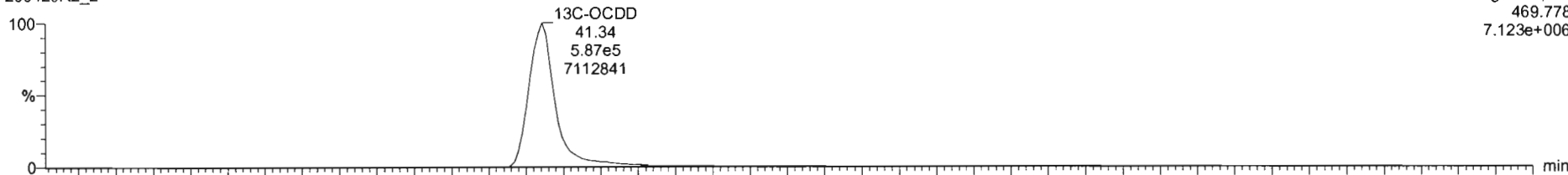
F5:Voltage SIR,EI+
459.735
1.915e+005



13C-OCDD

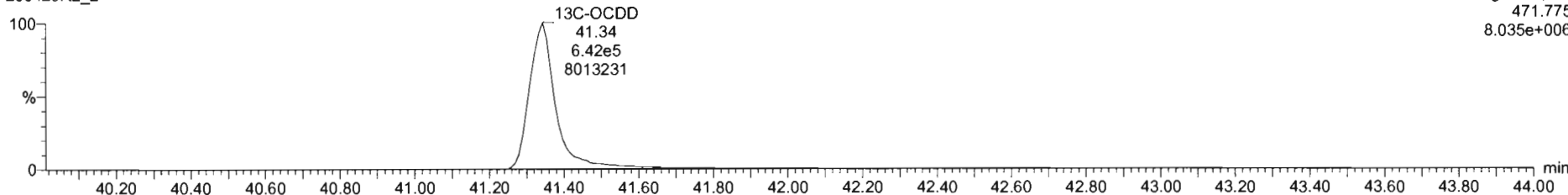
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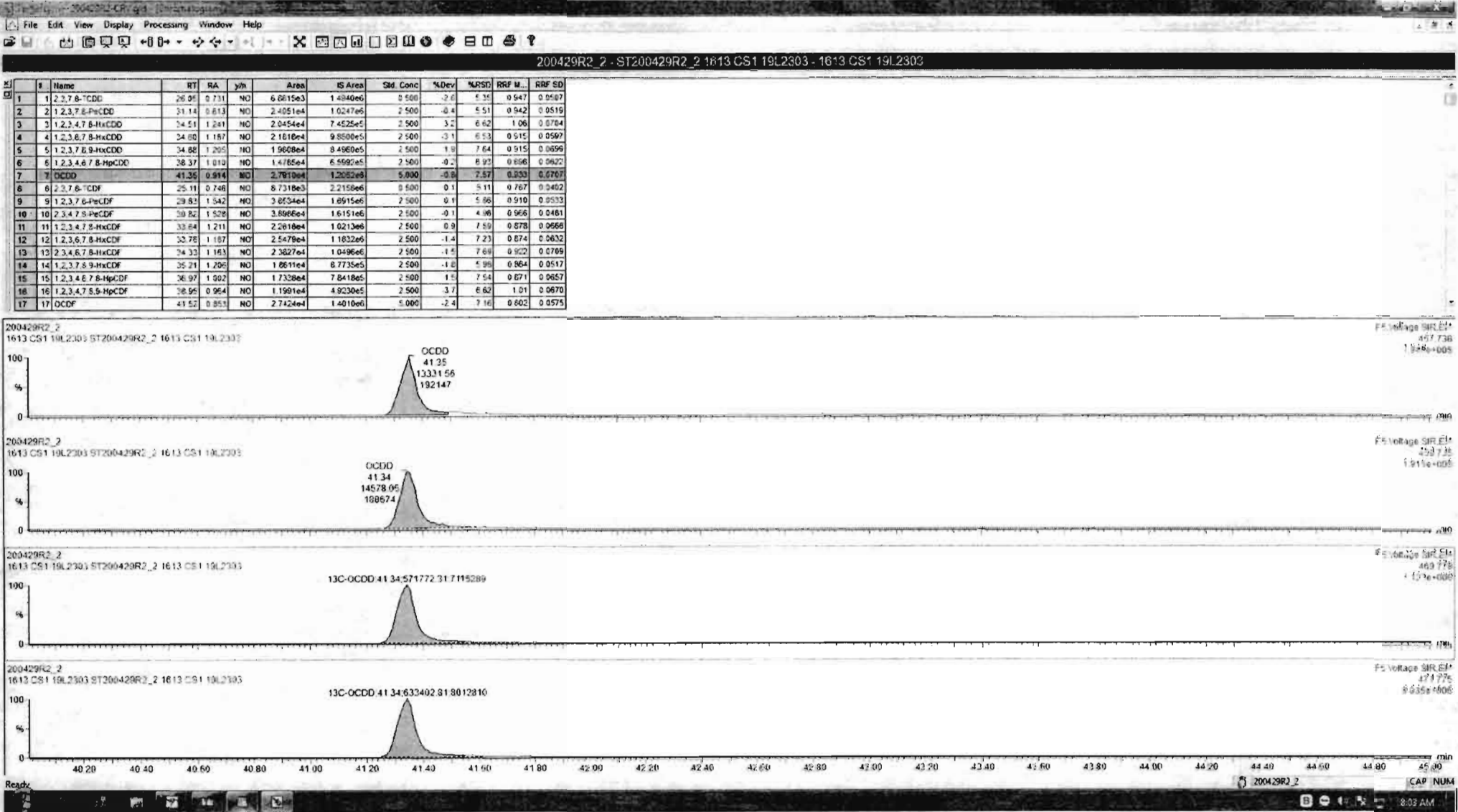
F5:Voltage SIR,EI+
469.778
7.123e+006



200429R2_2

F5:Voltage SIR,EI+
471.775
8.035e+006





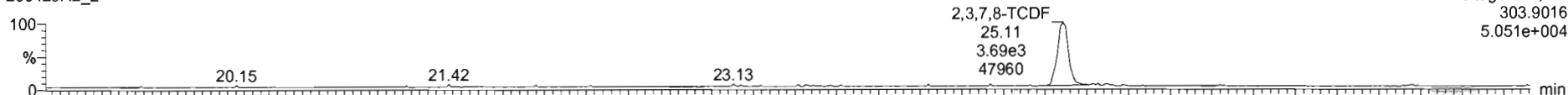
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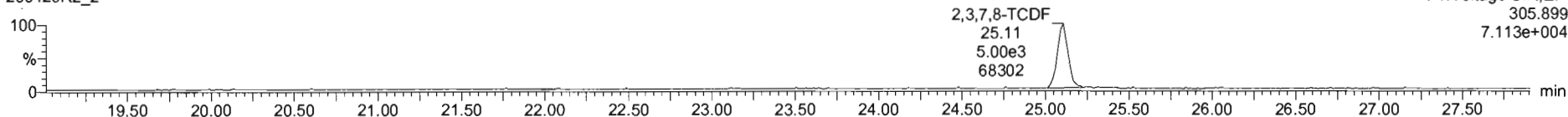
2,3,7,8-TCDF

200429R2_2



F1:Voltage SIR,EI+
303.9016
5.051e+004

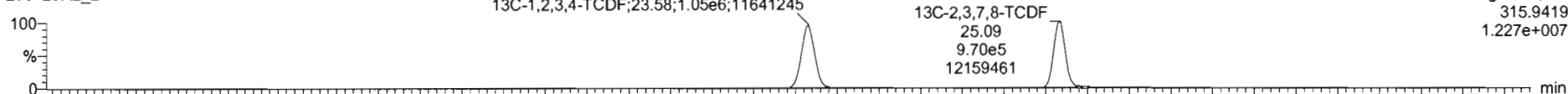
200429R2_2



F1:Voltage SIR,EI+
305.899
7.113e+004

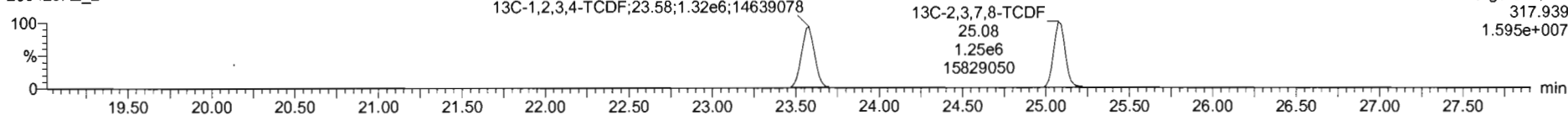
13C-2,3,7,8-TCDF

200429R2_2



F1:Voltage SIR,EI+
315.9419
1.227e+007

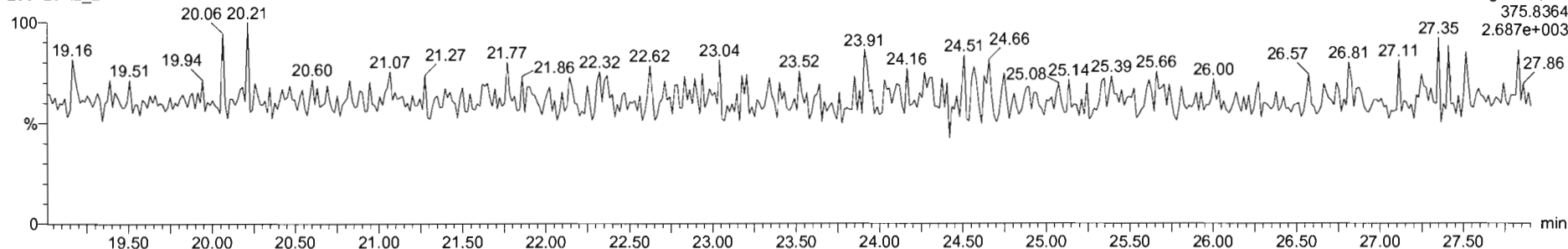
200429R2_2



F1:Voltage SIR,EI+
317.939
1.595e+007

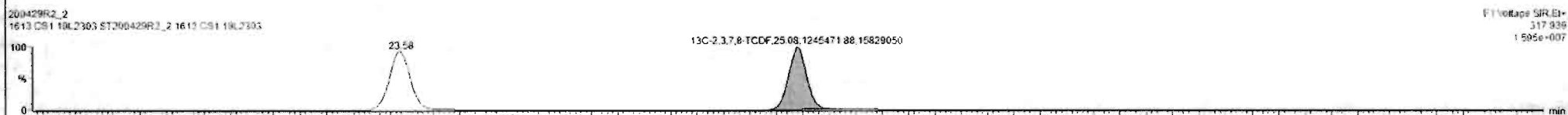
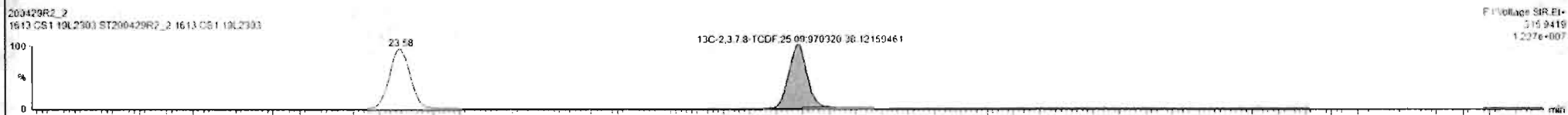
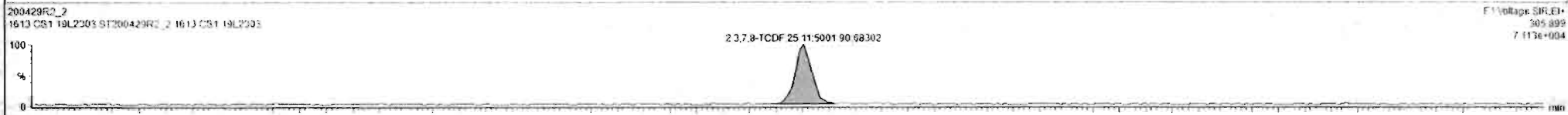
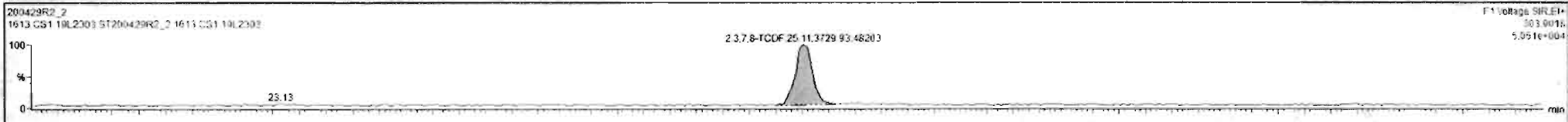
DPE1

200429R2_2



F1:Voltage SIR,EI+
375.8364
2.687e+003

#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	25.05	0.731	NO	6.6615e3	1.4940e6	0.500	-2.6	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.14	0.813	NO	2.4051e4	1.0247e6	2.500	0.4	5.51	0.942	0.0515
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.187	NO	2.1618e4	9.5006e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.98	1.205	NO	1.9808e4	8.4909e5	2.500	1.9	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	38.37	1.010	NO	1.4785e4	6.5902e5	2.500	-0.2	6.37	0.856	0.0622
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.2	7.57	0.523	0.0707
8	2,3,7,8-TCDF	25.11	0.746	NO	8.7518e3	2.2158e6	0.500	0.1	5.11	0.787	0.0462
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.6554e4	1.6915e6	2.500	0.1	5.86	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	30.82	1.628	NO	3.8966e4	1.6151e6	2.500	-0.1	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.211	NO	2.2610e4	1.0213e6	2.500	0.9	7.19	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.187	NO	2.5479e4	1.1622e6	2.500	-1.4	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.206	NO	1.8611e4	8.7735e5	2.500	-1.6	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	38.97	1.002	NO	1.7328e4	7.8418e5	2.500	1.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.954	NO	1.1991e4	4.9230e5	2.500	3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.802	0.0575



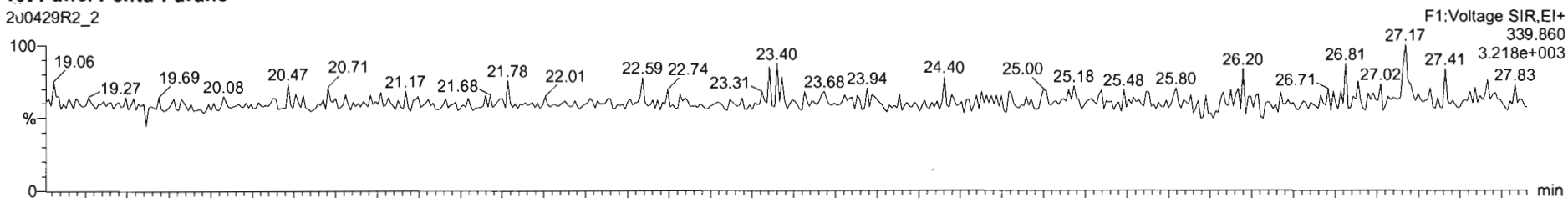
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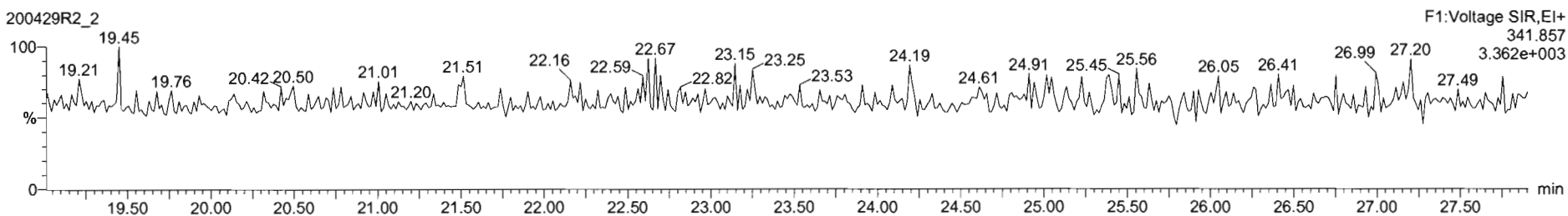
Name: 200429R2_2, Date: 29-Apr-2020, Time: 14:15:04, ID: ST200429R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

1st Func. Penta-Furans

2U0429R2_2

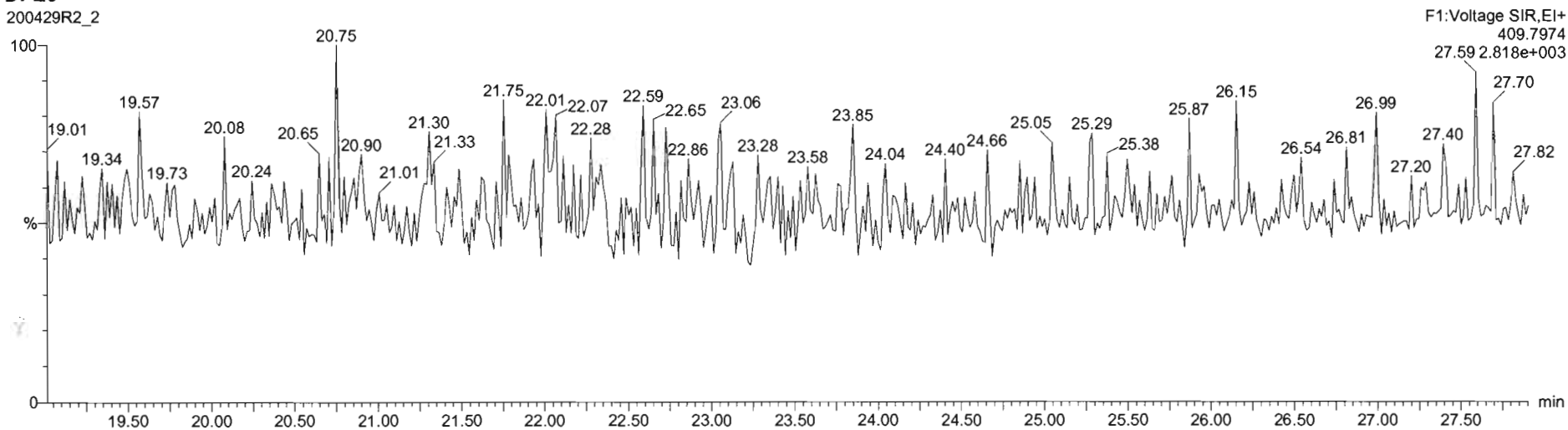


200429R2_2



DPE6

200429R2_2



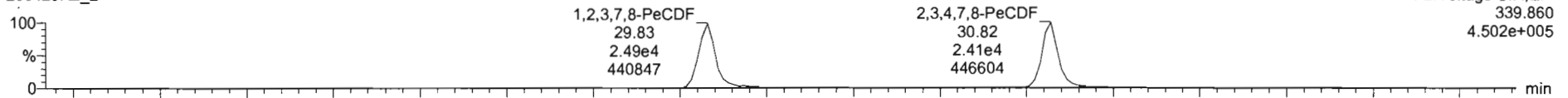
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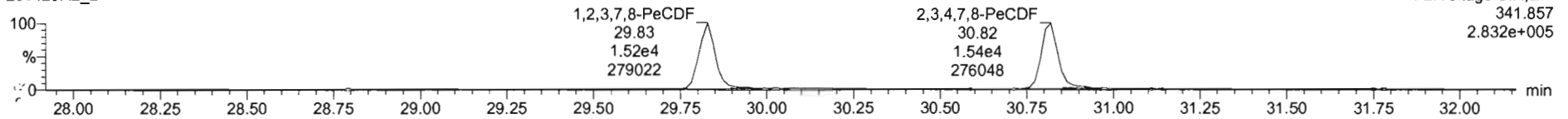
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1,2,3,7,8-PeCDF

200429R2_2

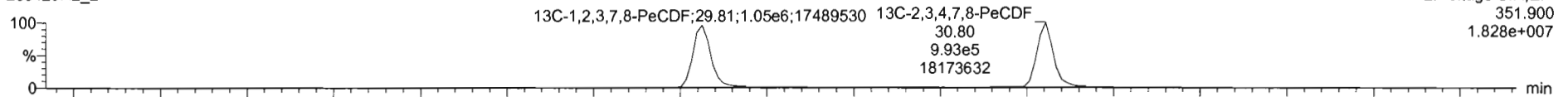


200429R2_2

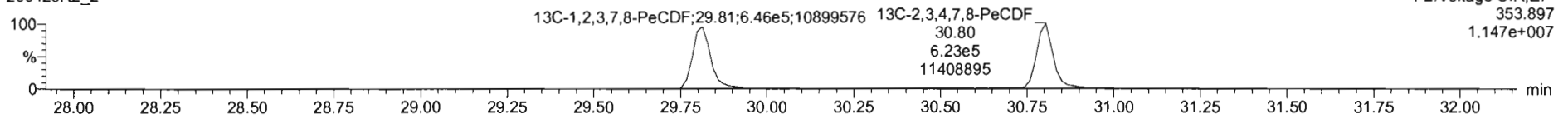


13C-1,2,3,7,8-PeCDF

200429R2_2

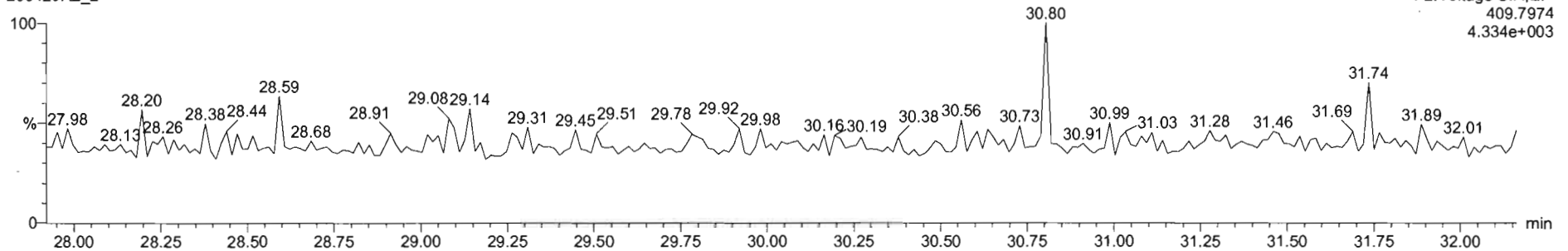


200429R2_2

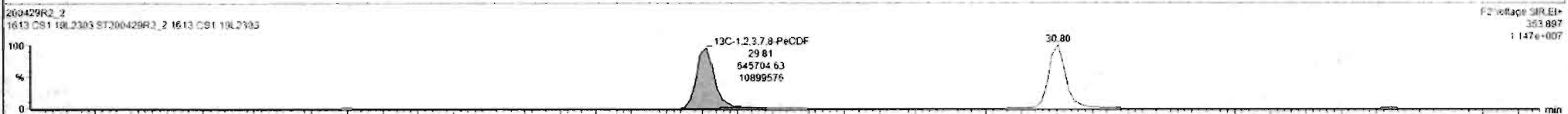
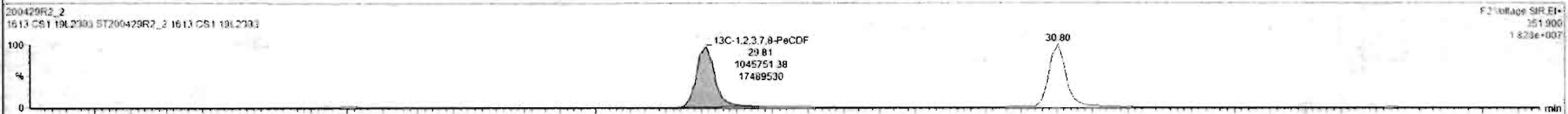
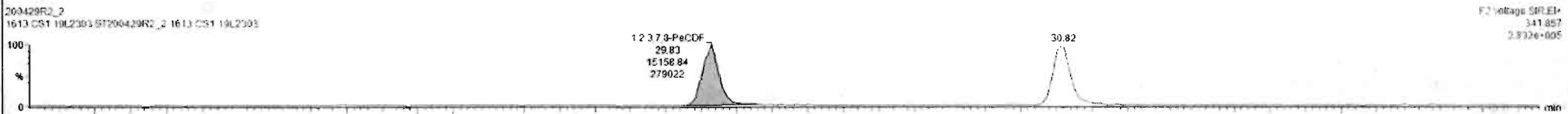
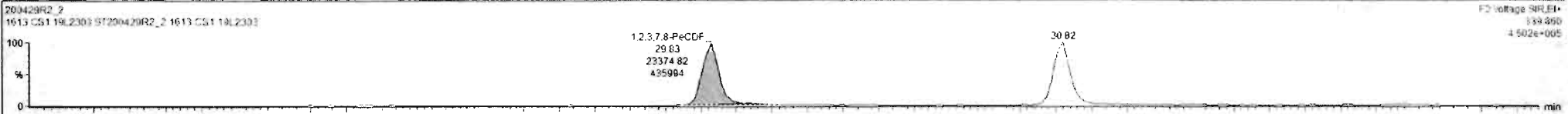


DPE2

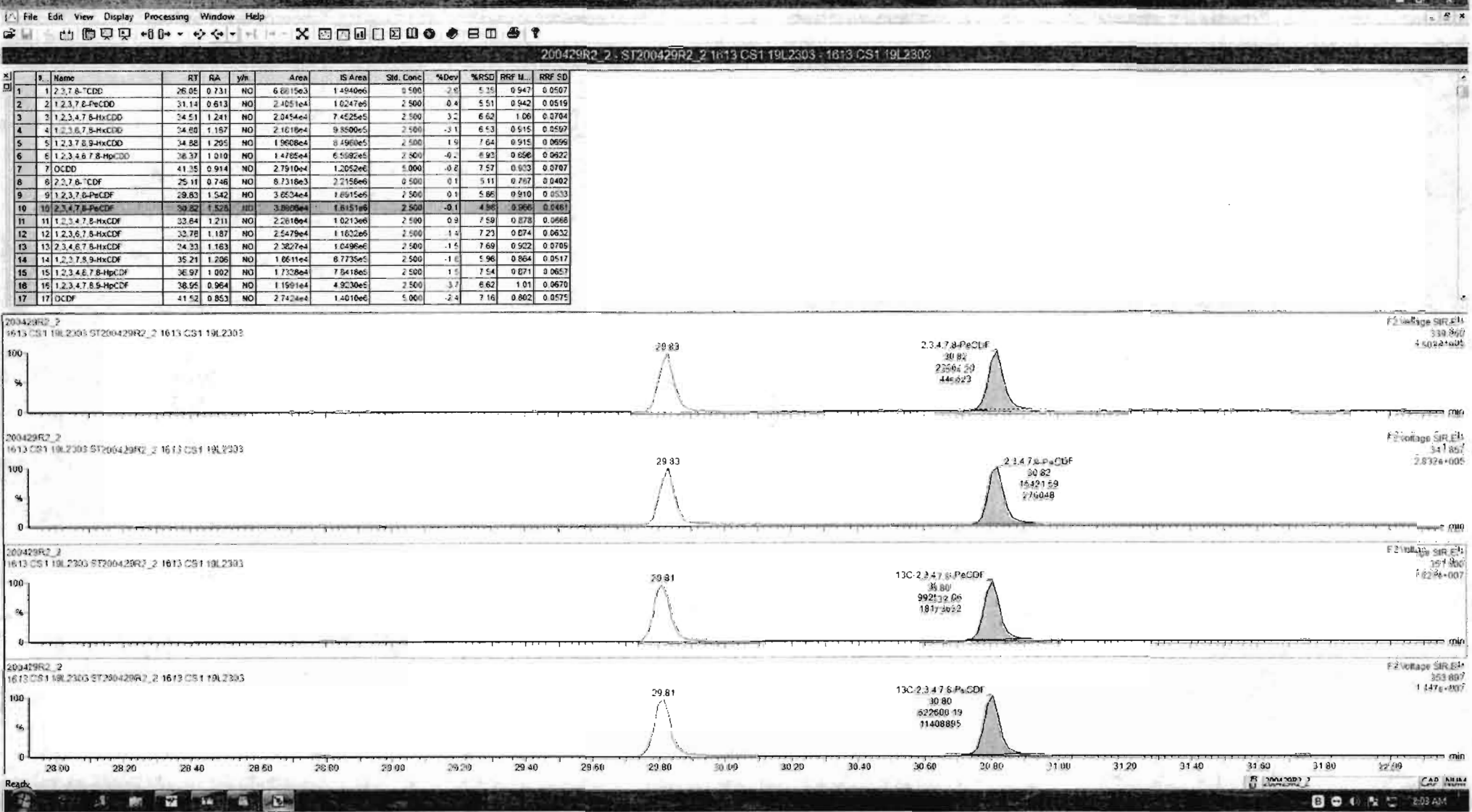
200429R2_2



#	Name	RT	RA	ym	Area	IS Area	Std Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	28.95	0.731	NO	6.2615e3	1.4840e6	0.500	-2.8	5.37	0.947	0.0507
2	1,2,3,7,8-PeCDF	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	0.4	5.51	0.942	0.0515
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4225e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,7,8-HxCDF	34.80	1.187	NO	2.1810e4	9.8500e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDF	34.88	1.295	NO	1.9808e4	8.4960e5	2.500	1.9	7.64	0.915	0.0696
6	1,2,3,4,6,7,8-HpCDD	36.37	1.010	NO	1.4765e4	6.5992e5	2.500	-0.2	6.93	0.856	0.0620
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.8	7.57	0.923	0.0707
8	1,2,3,7,8-TCDF	25.11	0.748	NO	8.7310e3	2.2158e6	0.500	0.1	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.8534e4	1.6815e6	2.500	0.1	5.86	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	30.82	1.328	NO	3.8066e4	1.6151e6	2.500	-0.1	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	32.84	1.211	NO	2.2616e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	32.78	1.187	NO	2.5479e4	1.1632e6	2.500	-1.4	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HpCDF	34.33	1.183	NO	2.5827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.205	NO	1.8511e4	8.7735e5	2.500	-1.0	6.98	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7338e4	7.8418e5	2.500	1.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.964	NO	1.1591e4	4.9230e5	2.500	-3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.862	0.0575



Custom Reporting: Select reports to generate

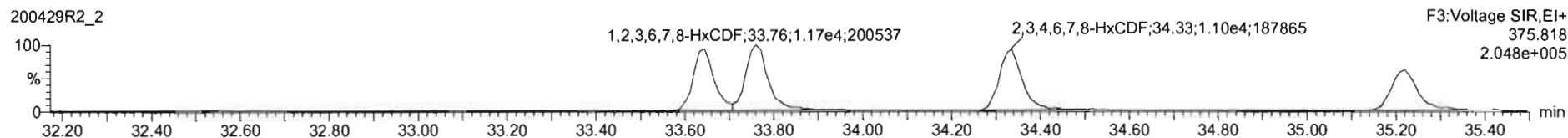
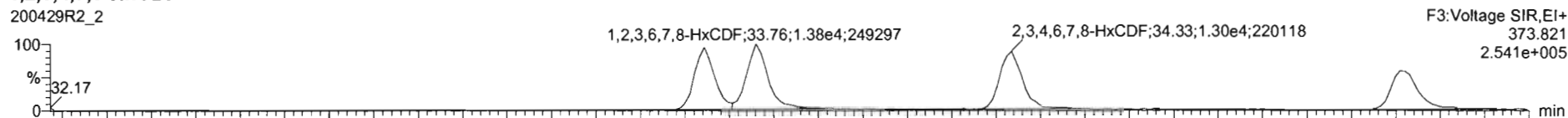


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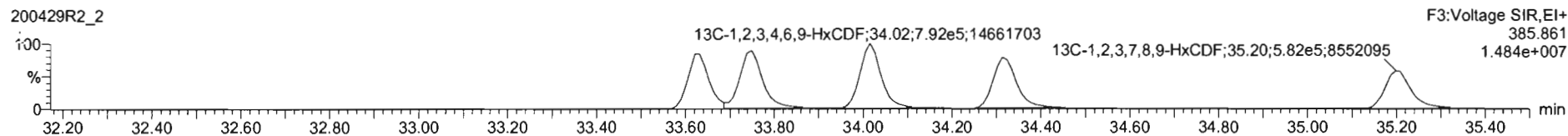
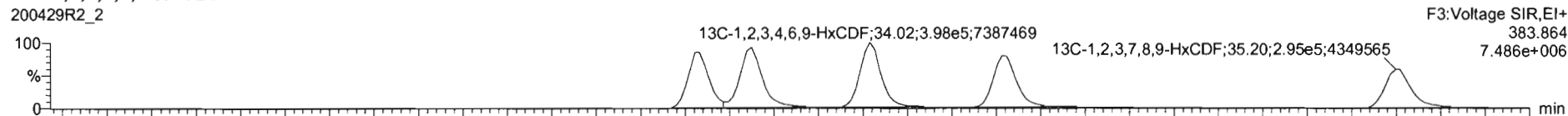
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

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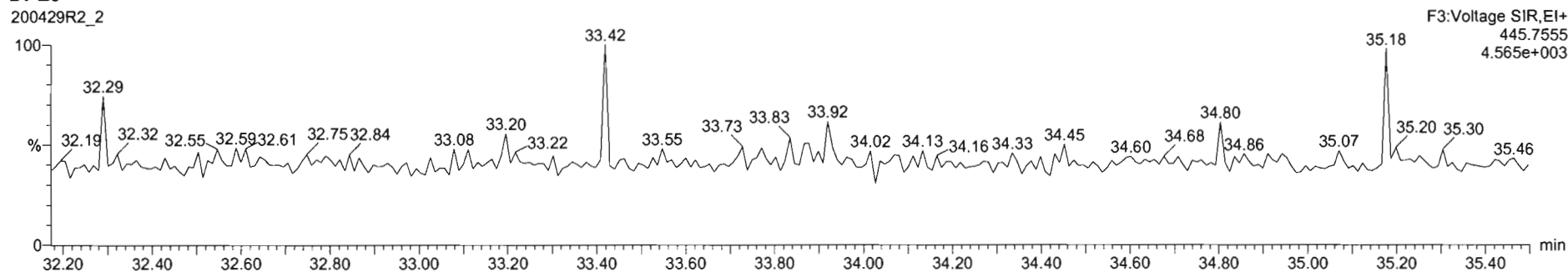
1,2,3,4,7,8-HxCDF



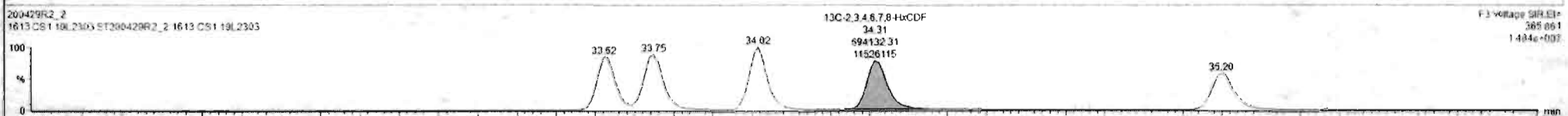
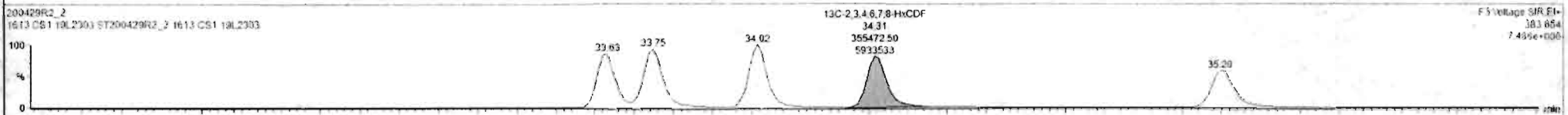
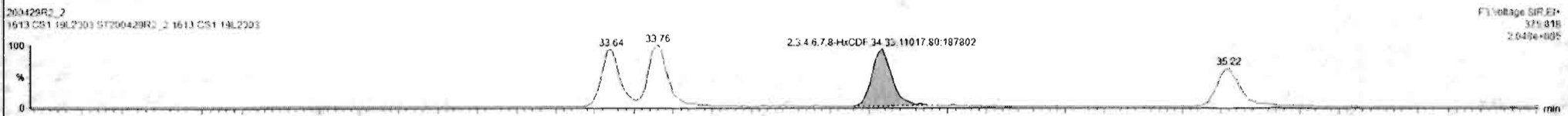
13C-1,2,3,4,7,8-HxCDF



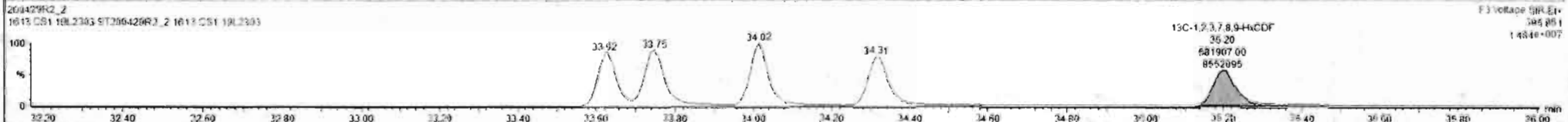
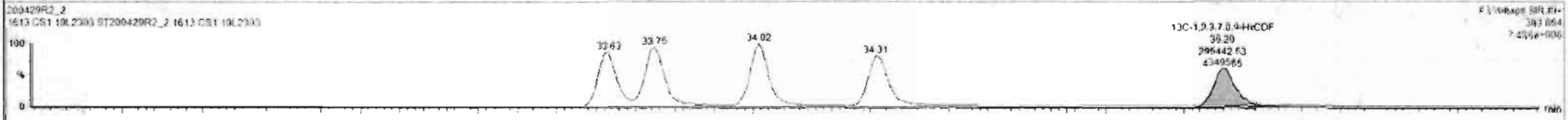
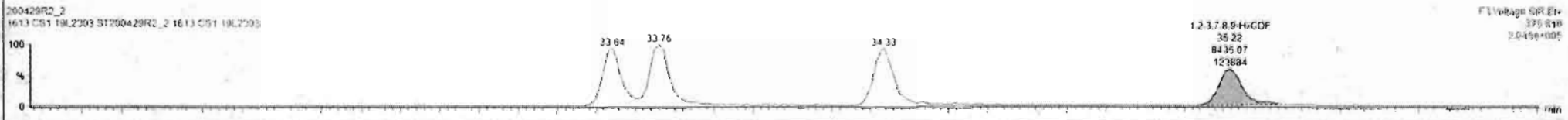
DPE3



#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDF	26.95	0.731	NO	6.8615e3	1.4840e6	0.500	-2.6	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDF	31.14	0.613	NO	2.4051e4	1.0247e5	2.500	0.4	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.187	NO	2.1618e4	9.8000e5	2.500	-2.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.80	1.205	NO	1.9608e4	8.4960e5	2.500	1.9	7.64	0.915	0.0696
6	1,2,3,4,6,7,8-HpCDD	36.37	1.010	NO	1.4765e4	6.5992e5	2.500	-0.2	6.93	0.856	0.0622
7	OCDF	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.8	7.57	0.923	0.0707
8	2,3,7,8-TCDF	25.11	0.746	NO	6.7316e3	2.2158e6	0.500	0.1	5.11	0.767	0.0403
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.6934e4	1.6915e6	2.500	0.1	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.82	1.528	NO	3.8966e4	1.6151e6	2.500	-0.1	4.98	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2810e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.76	1.187	NO	2.5479e4	1.1632e6	2.500	-1.4	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3827e4	1.0490e6	2.500	-1.5	7.69	0.822	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.206	NO	1.9611e4	8.7735e5	2.500	-1.6	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7328e4	7.6418e5	2.500	1.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.954	NO	1.1991e4	4.9230e5	2.500	3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.802	0.0575



#	Name	RT	RA	ym	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	26.05	0.731	NO	6.8615e3	1.4540e6	0.500	-2.0	6.35	0.547	0.0507
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	-0.4	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.9454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.00	1.157	NO	2.1618e4	9.8500e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.82	1.205	NO	1.9608e4	3.4560e5	2.500	1.0	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.37	1.019	NO	1.4765e4	6.5992e5	2.500	-0.2	6.93	0.896	0.0622
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.0	7.57	0.923	0.0707
8	1,2,3,7,8-TCDF	25.11	0.748	NO	8.7310e3	2.2158e6	0.500	0.1	5.11	0.757	0.0462
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.8534e4	1.6915e6	2.500	0.1	5.06	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	29.82	1.528	NO	3.8666e4	1.6151e6	2.500	-0.1	4.90	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2616e4	1.0213e6	2.500	0.0	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.187	NO	2.5479e4	1.1032e6	2.500	-1.4	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HpCDF	34.33	1.163	NO	2.3827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.206	NO	1.8071e4	8.7735e5	2.500	-1.0	5.96	0.804	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7328e4	7.6418e5	2.500	1.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.964	NO	1.1991e4	4.9230e5	2.500	-3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.802	0.0575



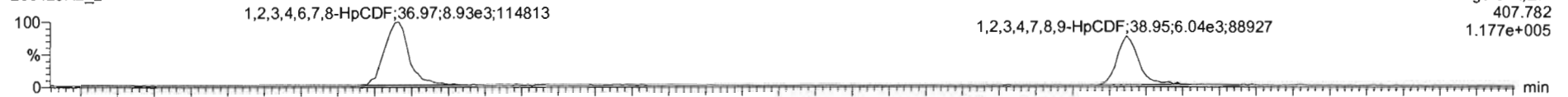
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Last Altered: Thursday, April 30, 2020 7:55:03 AM Pacific Daylight Time
Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

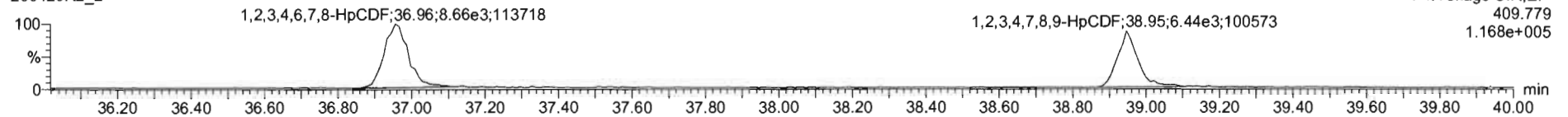
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200429R2_2

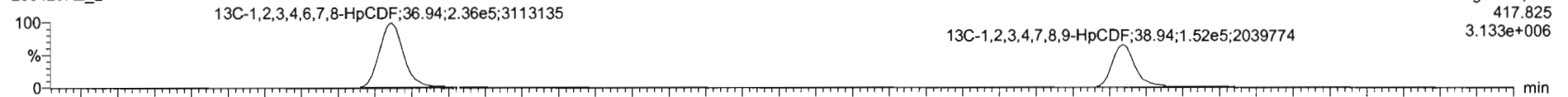


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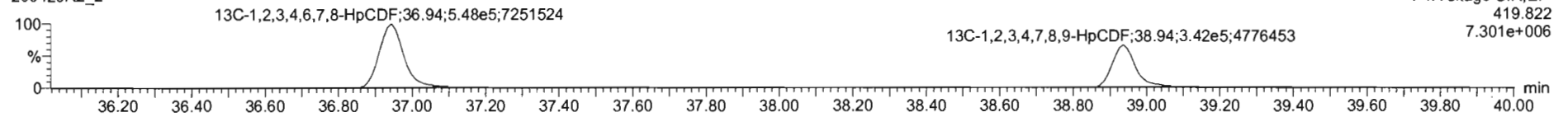


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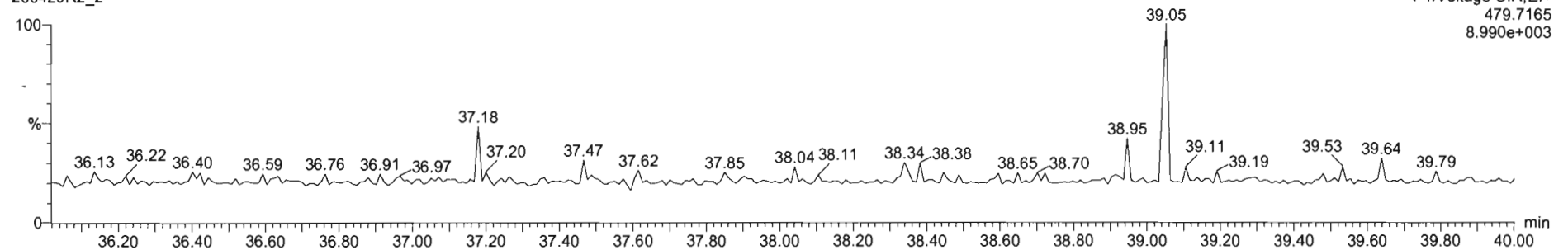


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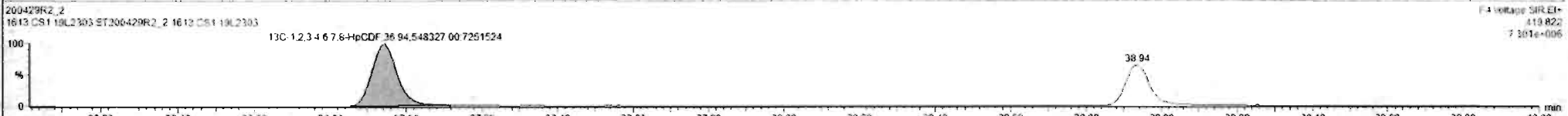
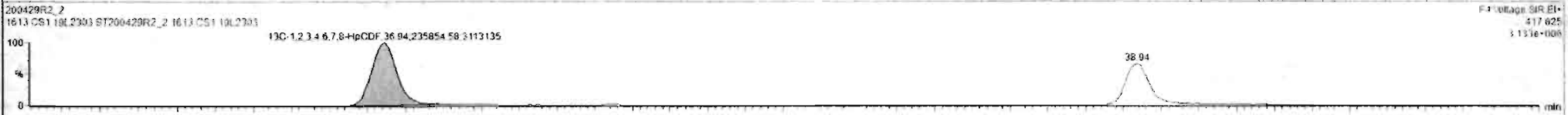
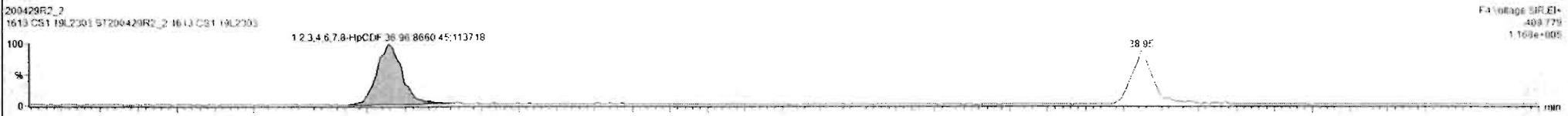


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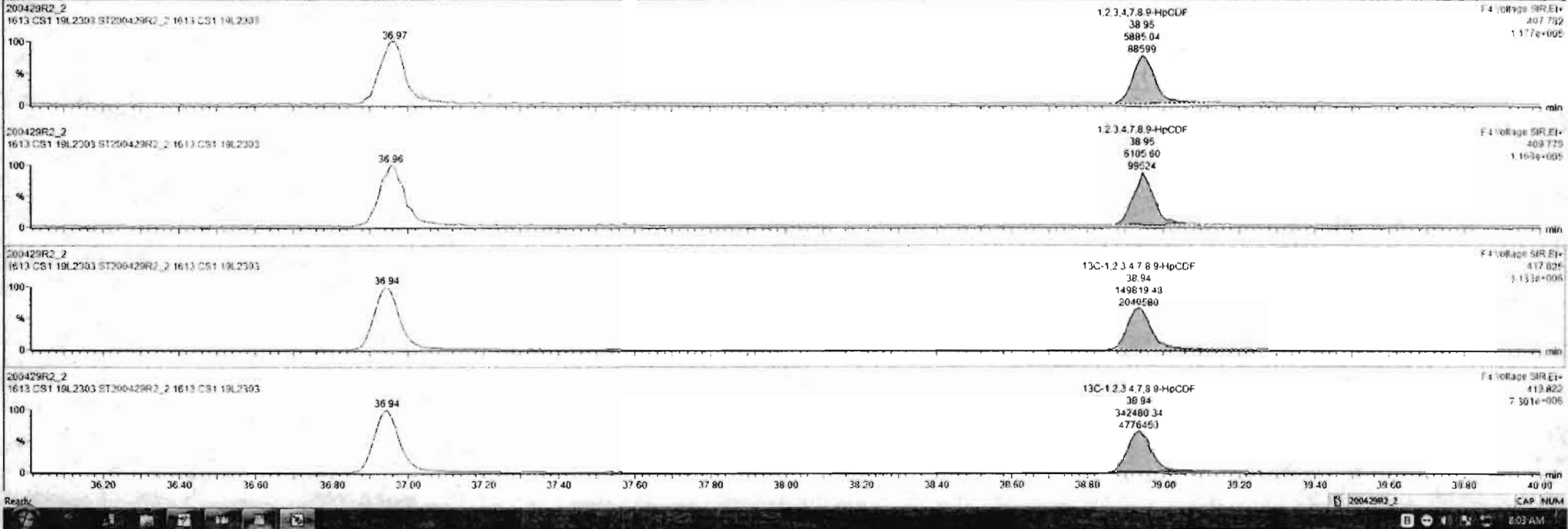
200429R2_2



#	Name	RT	RA	yln	Area	IS Area	Std Conc	%Dev	MRSD	RRF M	RRF SD
1	1,2,3,7,8-TCDF	26.95	0.731	NO	6.2615e3	1.4840e6	0.500	-2.6	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDF	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	-0.4	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.8454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.157	NO	2.1618e4	9.8600e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.92	1.203	NO	1.5608e4	8.4960e5	2.500	1.6	7.64	0.915	0.0698
6	1,2,3,4,6,7,8-HpCDD	36.37	1.010	NO	1.4785e4	6.5992e5	2.500	-0.2	6.93	0.858	0.0622
7	OCDD	41.38	0.954	NO	2.7910e4	1.2052e6	0.000	-0.8	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.11	0.746	NO	8.7316e3	2.2158e6	0.500	0.1	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.0534e4	1.0915e6	2.500	0.1	5.66	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.82	1.628	NO	3.8686e4	1.6151e6	2.500	-0.1	4.96	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2616e4	1.0213e6	2.500	0.9	7.59	0.878	0.0566
12	1,2,3,6,7,8-HxCDF	32.78	1.187	NO	2.5479e4	1.1822e6	2.500	-1.4	7.21	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.205	NO	1.8511e4	8.7735e5	2.500	-1.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.022	NO	1.7138e4	7.8412e5	2.500	1.5	7.54	0.871	0.0552
16	1,2,3,4,7,8,9-HpCDF	38.95	0.954	NO	1.1591e4	4.9230e5	2.500	3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.862	0.0575



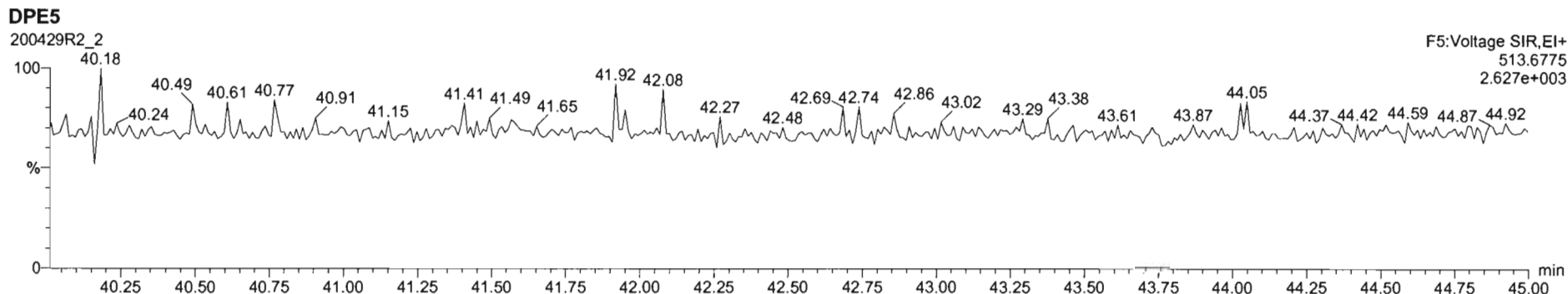
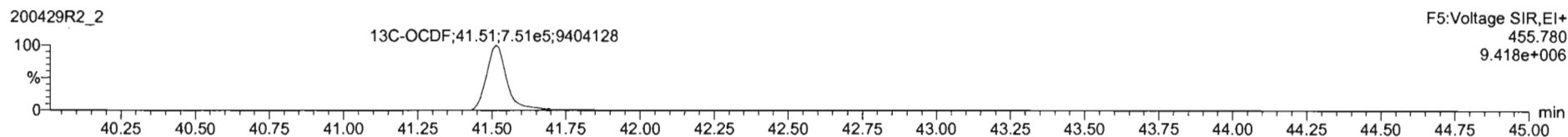
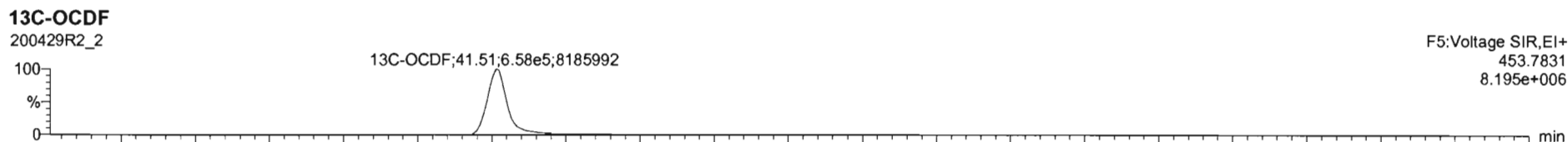
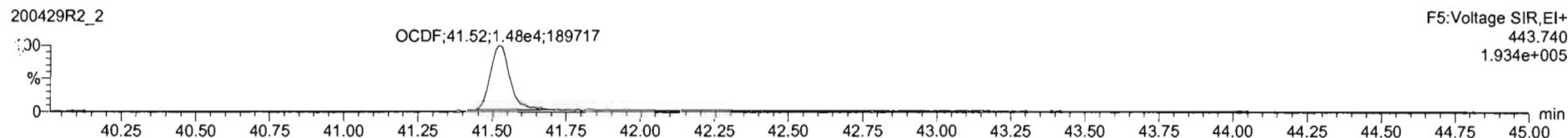
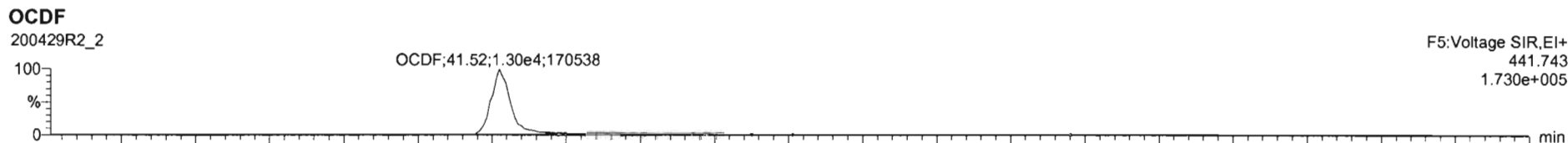
#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	26.95	0.731	NO	6.8615e3	1.4940e6	0.500	-2.8	5.35	0.947	0.9107
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	-0.4	5.51	0.942	0.9519
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.9764
4	1,2,3,6,7,8-HxCDD	34.89	1.187	NO	2.1818e4	9.8500e5	2.500	-3.1	6.53	0.915	0.9597
5	1,2,3,7,8,9-HxCDD	34.82	1.295	NO	1.9688e4	3.4960e5	2.500	1.6	7.84	0.915	0.9696
6	1,2,3,4,6,7,8-HpCDD	36.37	1.010	NO	1.4785e4	6.5990e5	2.500	-0.2	6.93	0.958	0.9822
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.2	7.57	0.933	0.9707
8	2,3,7,8-TCDF	29.11	0.748	NO	8.7318e3	2.2158e6	0.500	0.1	5.11	0.757	0.9462
9	1,2,3,7,8-PeCDF	29.43	1.542	NO	3.6534e4	1.6915e6	2.500	0.1	5.62	0.910	0.9533
10	2,3,4,7,8-PeCDF	30.82	1.528	NO	3.8986e4	1.6151e6	2.500	-0.1	4.98	0.966	0.9481
11	1,2,3,4,7,8-HxCDF	33.64	1.211	NO	2.2818e4	1.0213e6	2.500	0.9	7.59	0.878	0.9668
12	1,2,3,6,7,8-HxCDF	33.78	1.187	NO	2.5479e4	1.1832e6	2.500	-1.4	7.23	0.874	0.9632
13	2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.9709
14	1,2,3,7,8,9-HxCDF	35.21	1.206	NO	1.8611e4	8.7735e5	2.500	-1.6	5.96	0.864	0.9517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7338e4	7.6418e5	2.500	1.5	7.54	0.871	0.9657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.984	NO	1.1991e4	4.9238e5	2.500	-3.7	6.82	1.01	0.9679
17	OCDF	41.52	0.953	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.962	0.9575



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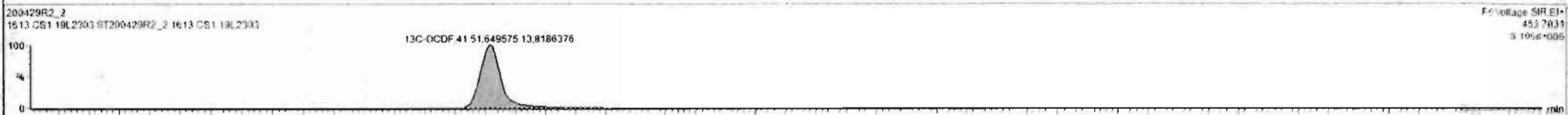
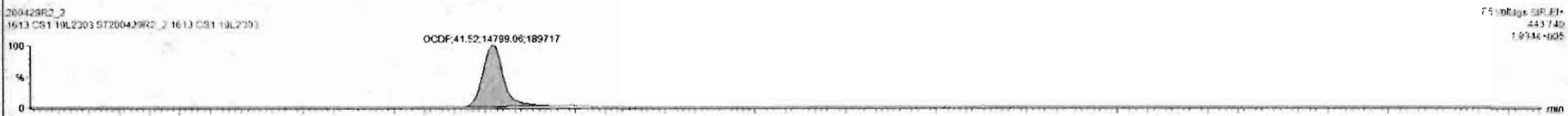
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Name: 200429R2_2, Date: 29-Apr-2020, Time: 14:15:04, ID: ST200429R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303



200429R2_2 - ST200429R2_2 - 1613 CS1 19L2303 - 1613 CS1 19L2303

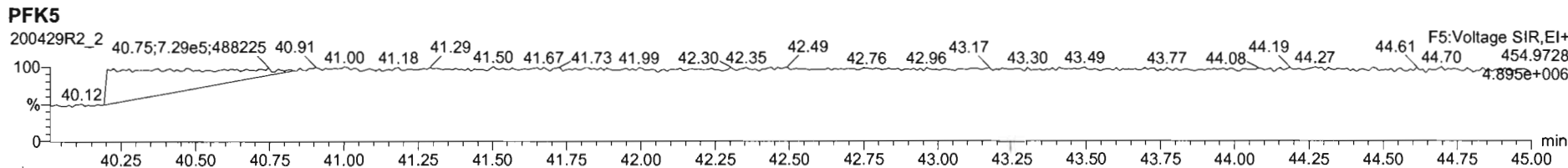
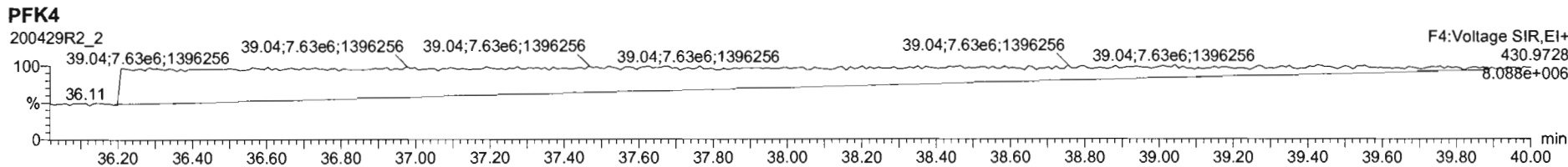
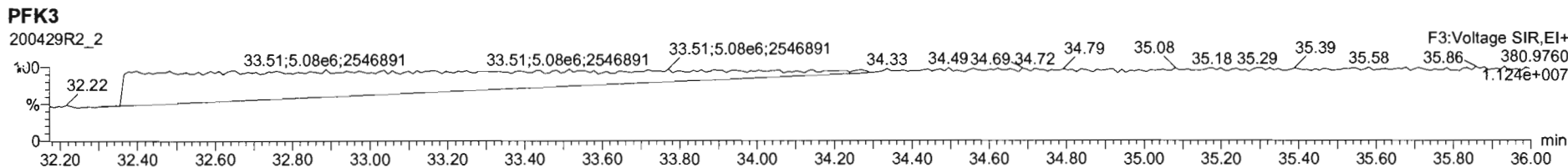
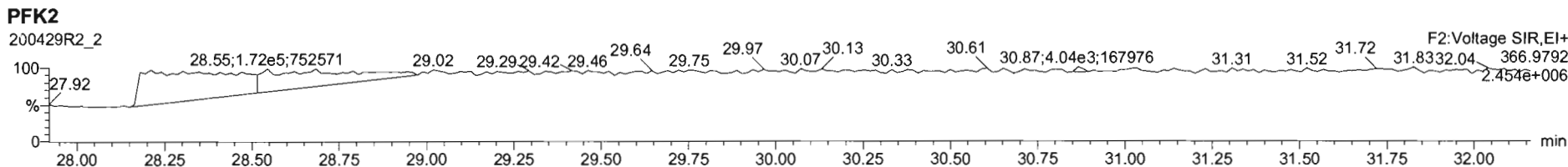
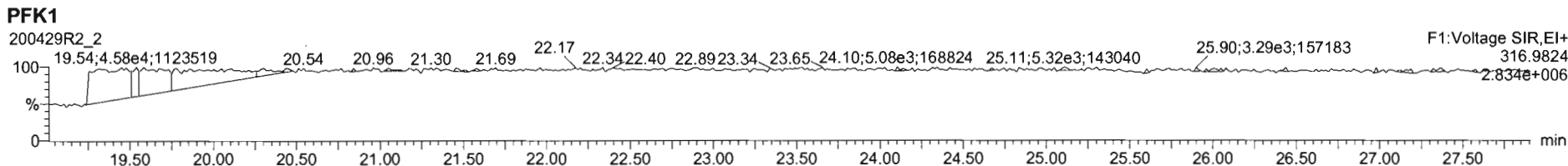
#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	2,3,7,8-TCDD	26.05	0.731	NO	6.8615e3	1.4840e6	0.500	-2.6	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	-0.4	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.197	NO	2.1618e4	9.8500e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.88	1.205	NO	1.9808e4	8.4960e5	2.500	1.9	7.64	0.915	0.0696
6	1,2,3,4,6,7,8-HpCDD	38.37	1.010	NO	1.4765e4	6.5992e5	2.500	-0.2	6.93	0.696	0.0622
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.8	7.57	0.633	0.0767
8	2,3,7,8-TCDF	25.11	0.746	NO	8.7310e3	2.2156e6	0.500	0.1	5.11	0.787	0.0462
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.8754e4	1.6915e6	2.500	0.1	5.66	0.910	0.0533
10	1,2,3,4,7,8-HxCDF	30.82	1.528	NO	3.8996e4	1.6151e6	2.500	-0.1	4.95	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2618e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.197	NO	2.5479e4	1.1832e6	2.500	-1.4	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HpCDF	34.33	1.163	NO	2.3827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.205	NO	1.8611e4	8.7735e5	2.500	-1.6	5.98	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7328e4	7.8418e5	2.500	1.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.55	0.954	NO	1.1591e4	4.9230e5	2.500	-3.7	8.62	1.01	0.0670
17	OCDF	41.52	0.883	NO	2.7424e4	1.4010e6	5.000	-2.4	7.18	0.802	0.0575



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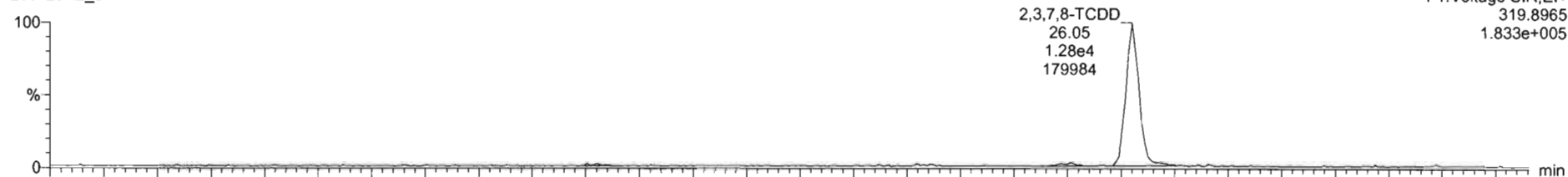
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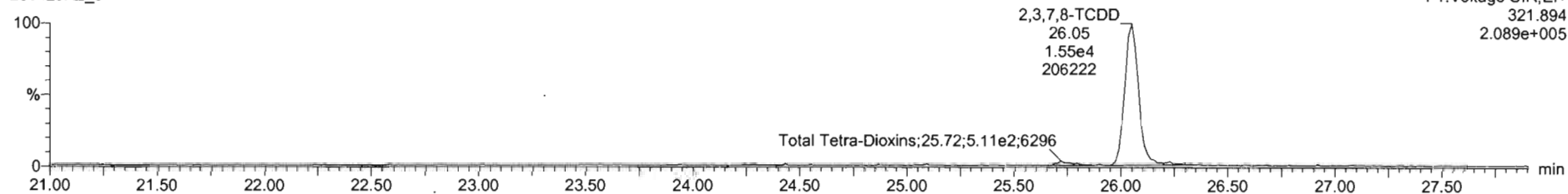
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2,3,7,8-TCDD

200429R2_3

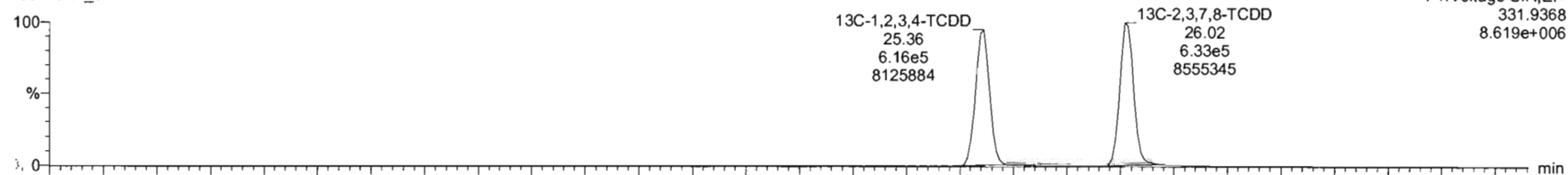


200429R2_3

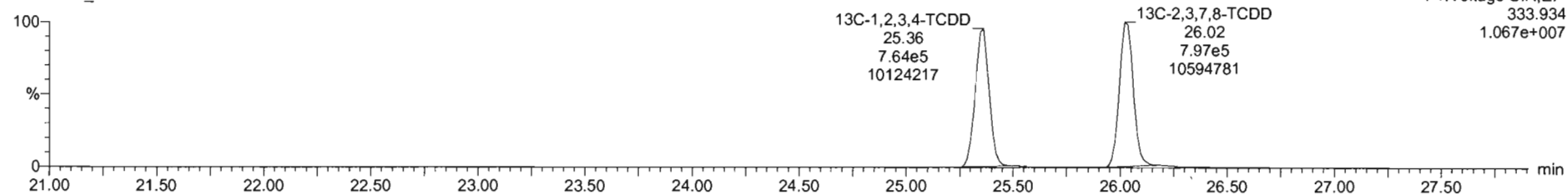


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200429R2_3

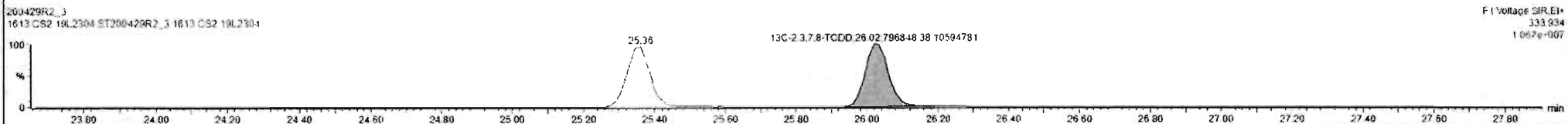
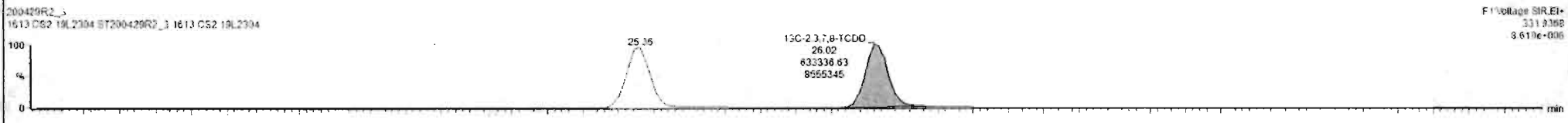
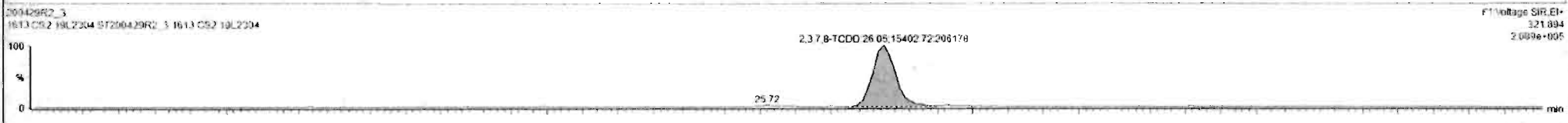
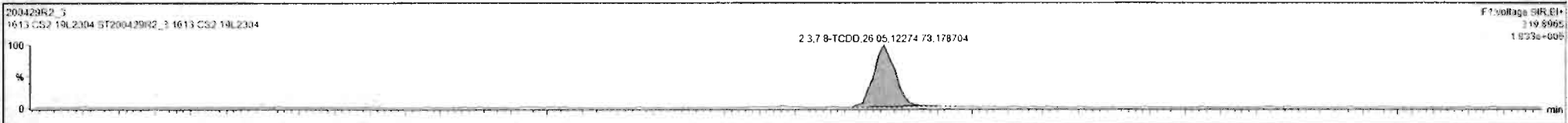


200429R2_3



200429R2_3 - ST200429R2_3 1613 CS2 19L2304 1613 CS2 19L2304

#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M.	RRF SD
1	2,3,7,8-TCDD	26.05	0.797	NO	2.7677e4	1.4302e6	2.900	2.1	5.35	0.947	0.0567
2	1,2,3,7,8-PeCDD	21.13	0.621	NO	9.9612e4	9.9250e5	10.000	6.8	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	24.49	1.246	NO	8.2429e4	7.5171e5	10.000	3.1	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	24.80	1.257	NO	9.4154e4	9.4942e5	10.000	8.4	6.53	0.515	0.0597
5	1,2,3,7,8,9-HxCDD	24.80	1.244	NO	8.1064e4	8.0356e5	10.000	6.3	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	26.36	1.081	NO	5.9094e4	6.3852e5	10.000	3.1	6.93	0.656	0.0632
7	OCDD	41.24	0.883	NO	1.0629e5	1.0963e6	20.000	5.8	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.11	0.737	NO	3.4210e4	2.8671e6	2.000	4.1	5.11	0.757	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.567	NO	1.5997e5	1.6425e6	10.000	7.0	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.595	NO	1.6102e5	1.6556e6	10.000	6.4	4.96	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.83	1.217	NO	9.5102e4	1.0175e6	10.000	6.4	7.59	0.878	0.0686
12	1,2,3,6,7,8-HxCDF	33.78	1.209	NO	1.0898e5	1.1386e6	10.000	9.5	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.217	NO	1.0168e5	1.0301e6	10.000	7.1	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.223	NO	7.7026e4	8.5676e5	10.000	4.9	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.95	0.958	NO	6.9491e4	7.6914e5	10.000	3.7	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	1.014	NO	4.9417e4	4.7128e5	10.000	3.5	6.62	1.01	0.0670
17	OCDF	41.52	0.877	NO	1.6707e5	1.2711e6	20.000	5.0	7.16	0.802	0.0575



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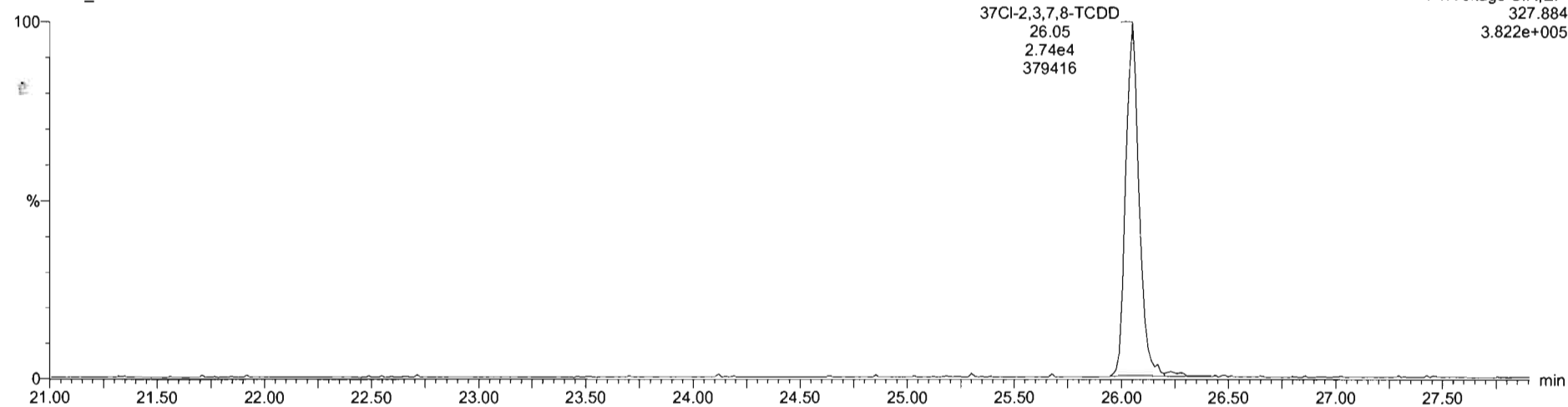
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

Name: 200429R2_3, Date: 29-Apr-2020, Time: 15:02:24, ID: ST200429R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

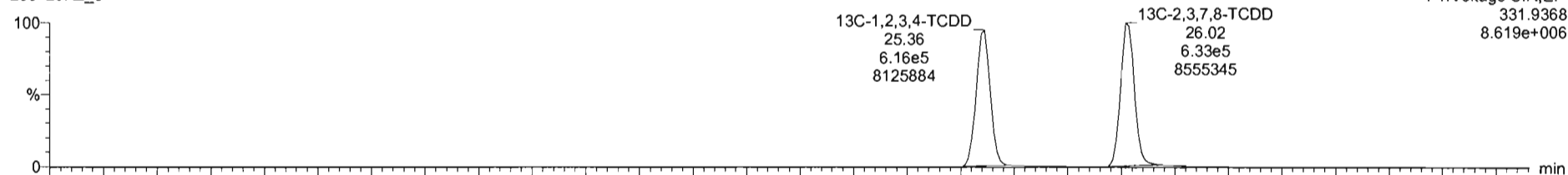
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200429R2_3

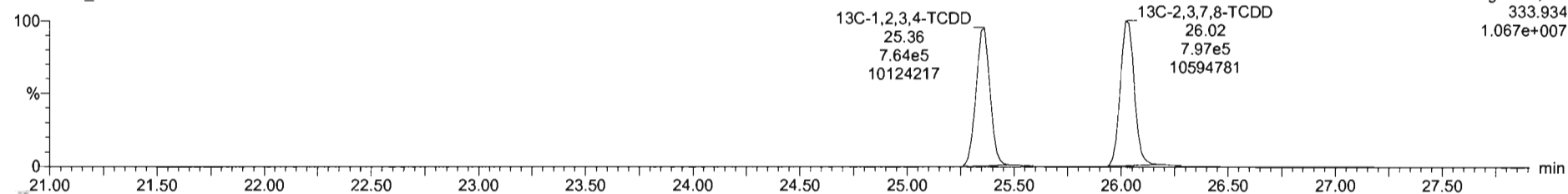


13C-1,2,3,4-TCDD

200429R2_3



200429R2_3



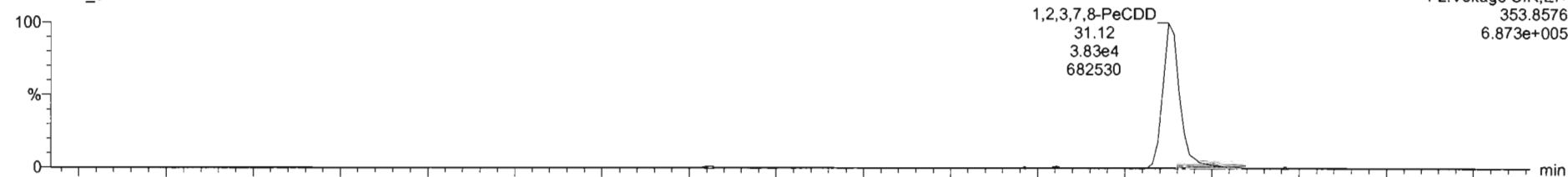
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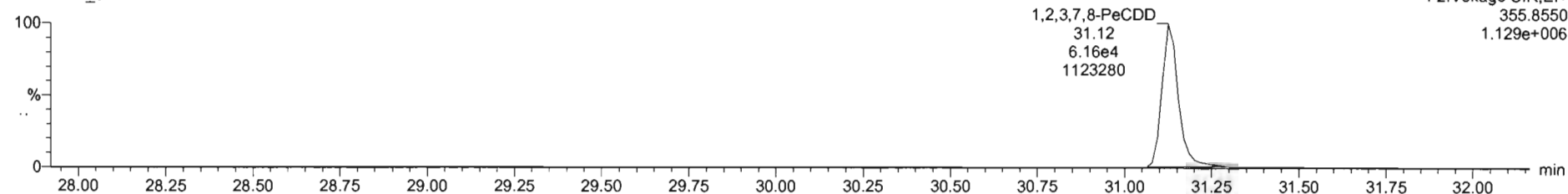
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1,2,3,7,8-PeCDD

200429R2_3

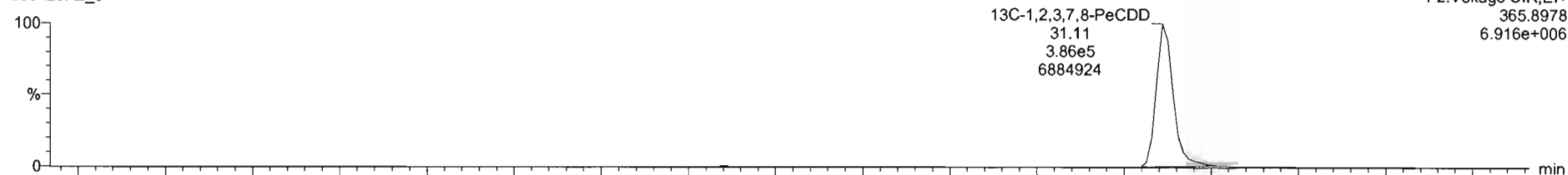


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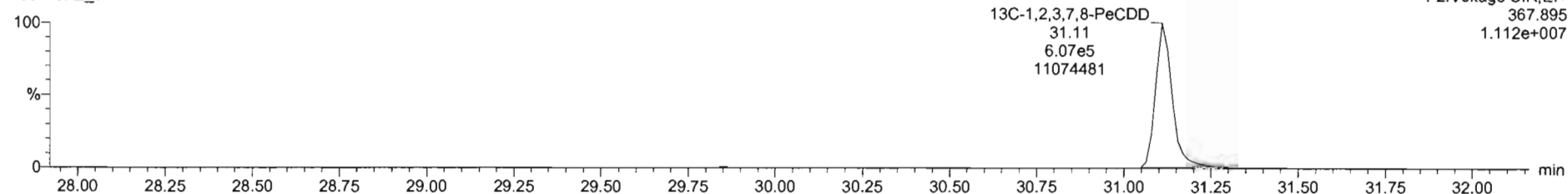


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200429R2_3



200429R2_3



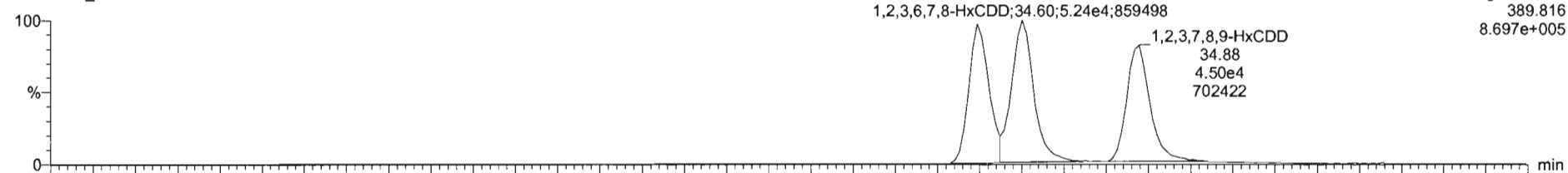
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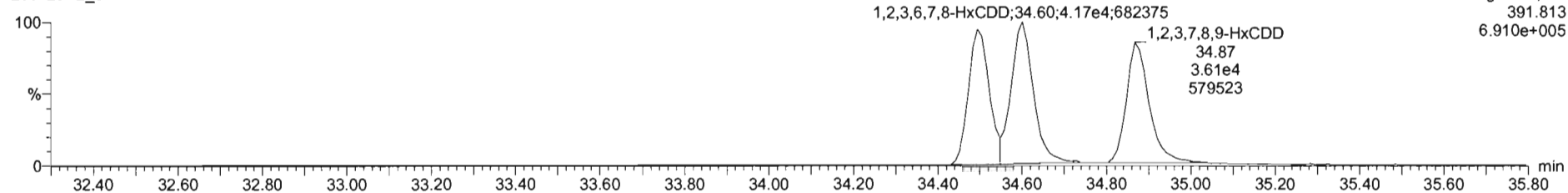
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1,2,3,4,7,8-HxCDD

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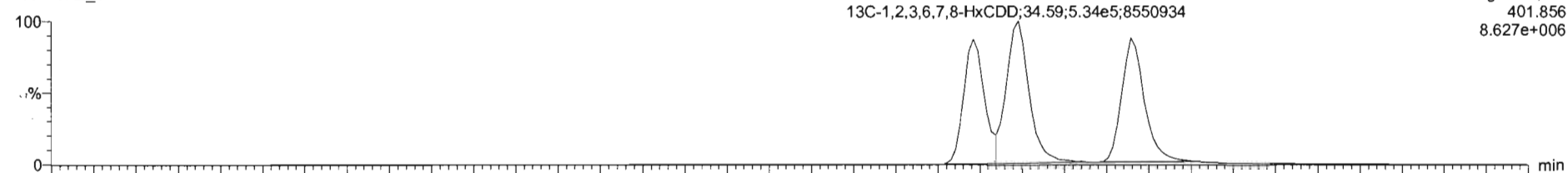


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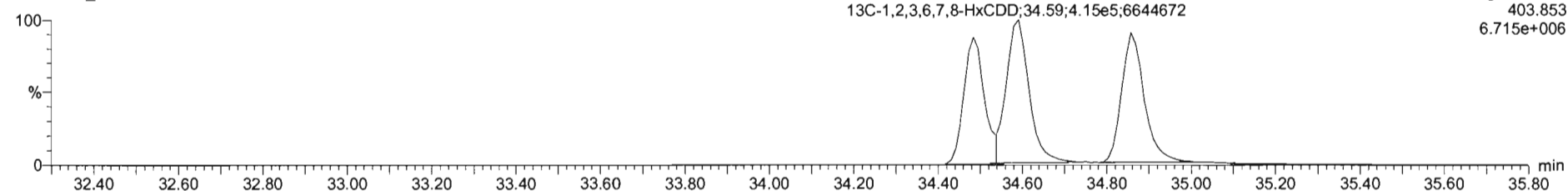


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200429R2_3



200429R2_3



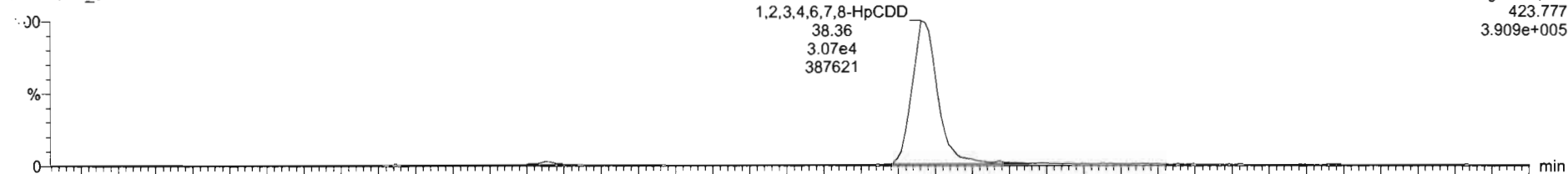
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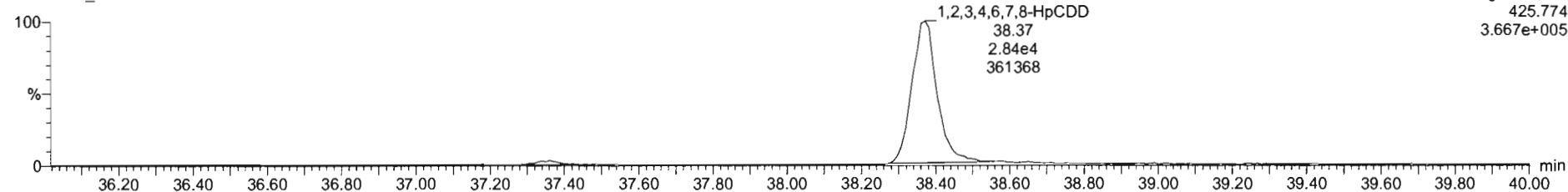
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1,2,3,4,6,7,8-HpCDD

200429R2_3

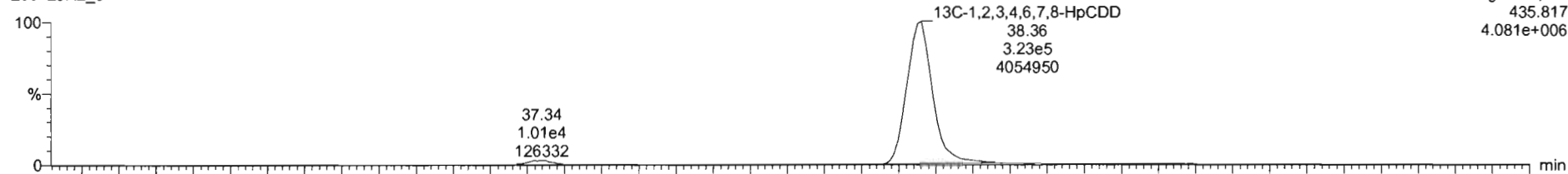


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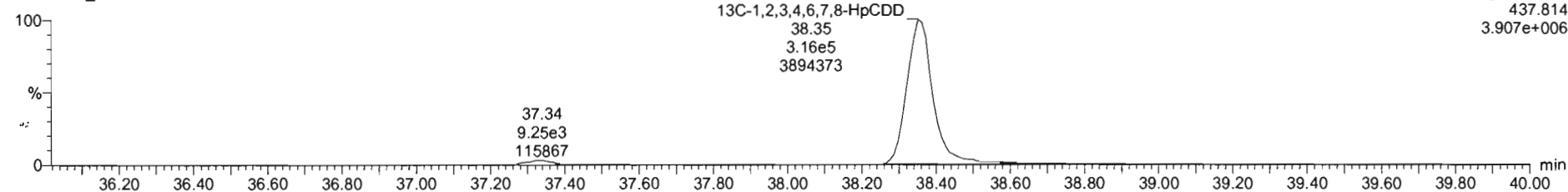


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200429R2_3



200429R2_3

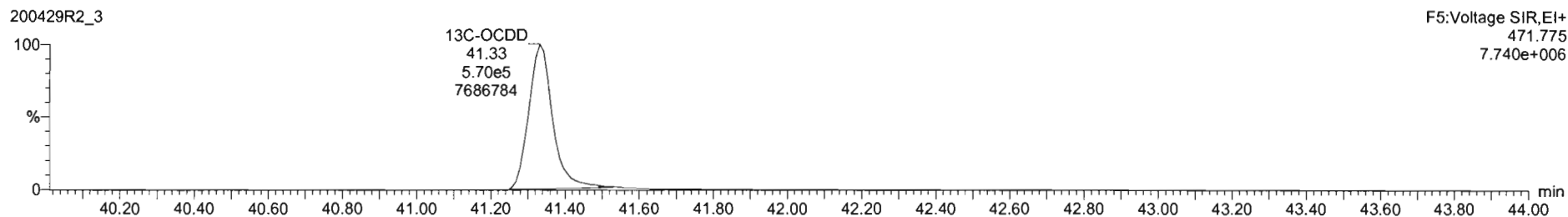
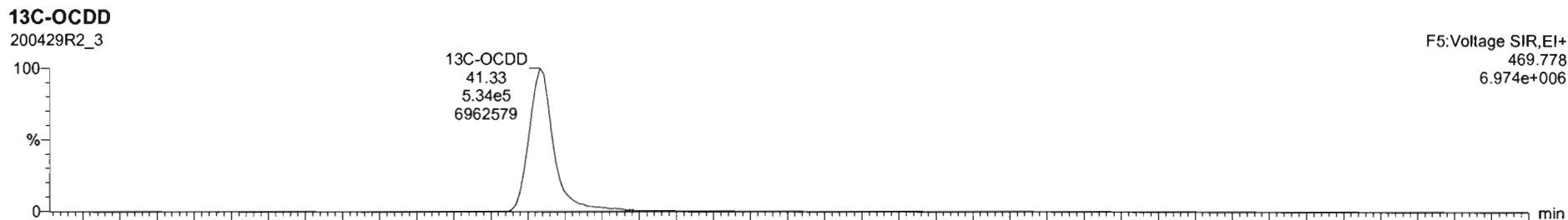
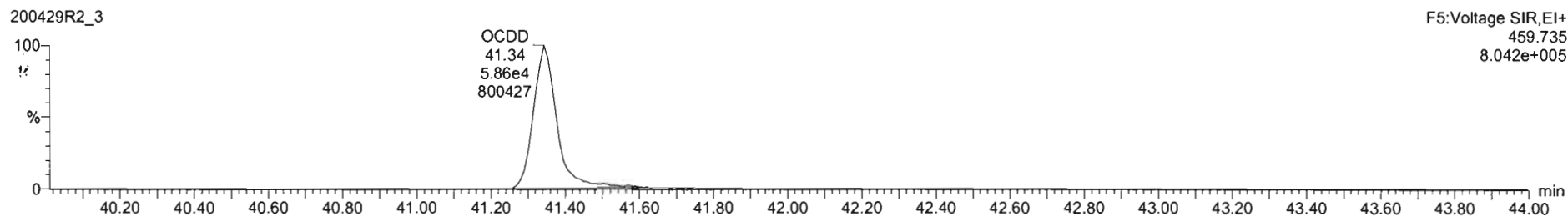
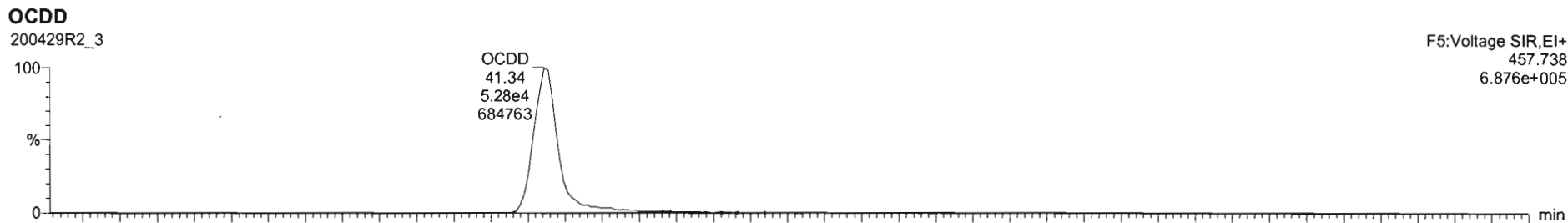


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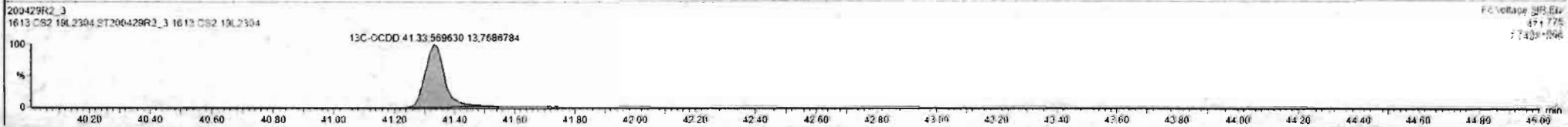
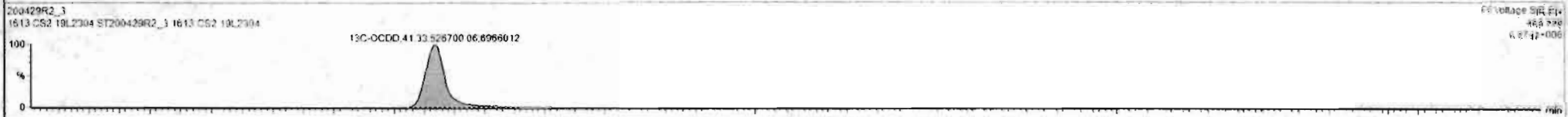
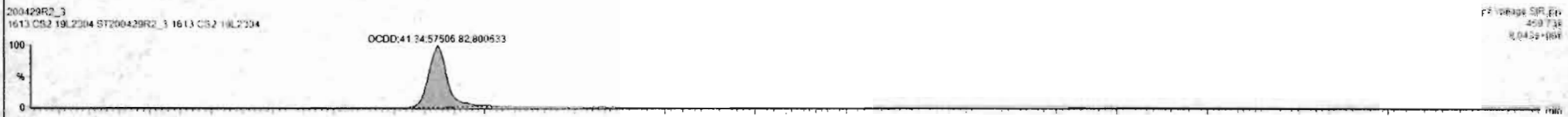
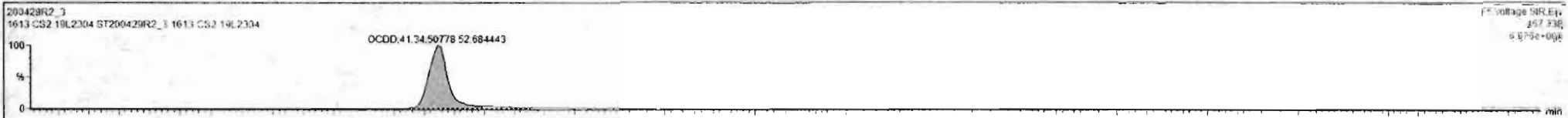
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#	Name	RT	RA	yln	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	2,3,7,8-TCDD	26.05	0.797	NO	2.7677e4	1.4302e6	2.000	2.1	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.621	NO	9.9912e4	9.9250e5	10.000	6.8	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.246	NO	3.2429e4	7.5171e5	10.000	3.1	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.80	1.257	NO	9.4154e4	9.4942e5	10.000	8.4	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.82	1.244	NO	8.1084e4	8.2359e5	10.000	6.3	7.64	0.915	0.0690
6	1,2,3,4,6,7,8-HpCDD	38.36	1.001	NO	5.3094e4	6.3852e5	10.000	3.1	6.93	0.856	0.0622
7	OCDD	41.34	0.863	NO	1.0629e5	1.9963e6	20.000	8.6	7.57	0.830	0.0767
8	2,3,7,8-TCDF	25.11	0.737	NO	3.4210e4	2.0671e6	2.000	4.1	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.067	NO	1.5997e5	1.6425e6	10.000	7.0	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.595	NO	1.6102e5	1.5656e6	10.000	6.4	4.98	0.906	0.0481
11	1,2,3,4,7,8-HxCDF	32.83	1.217	NO	9.1102e4	1.0175e6	10.000	6.4	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.200	NO	1.0898e5	1.1386e6	10.000	9.5	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.217	NO	1.0168e5	1.0201e6	10.000	7.1	7.69	0.922	0.0769
14	1,2,3,7,8,9-HxCDF	35.21	1.223	NO	7.7836e4	8.5876e5	10.000	4.9	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	38.90	0.950	NO	8.9491e4	7.6914e5	10.000	3.7	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	1.014	NO	4.8417e4	4.7188e5	10.000	3.5	6.62	1.01	0.0670
17	OCDF	41.52	0.877	NO	1.6707e5	1.2711e6	20.000	5.0	7.16	0.862	0.0575



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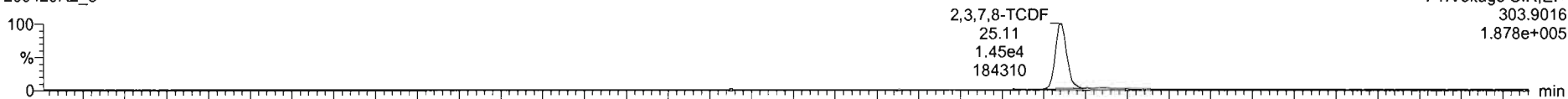
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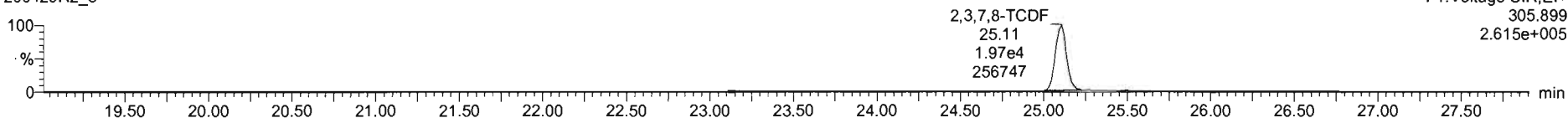
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2,3,7,8-TCDF

200429R2_3

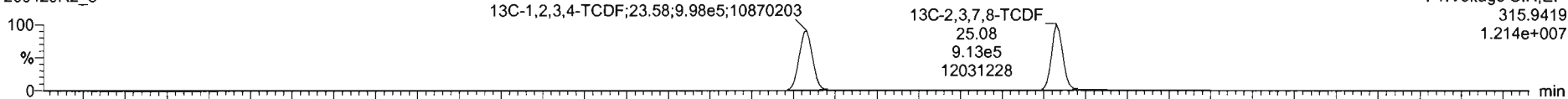


200429R2_3

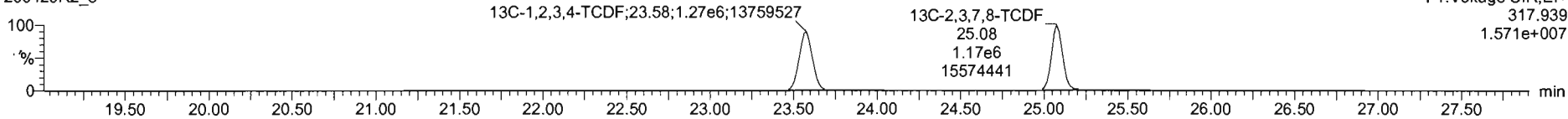


13C-2,3,7,8-TCDF

200429R2_3

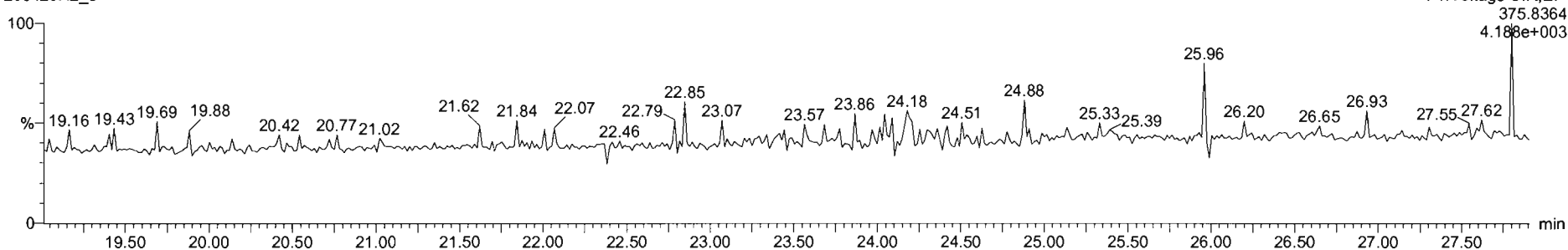


200429R2_3



DPE1

200429R2_3



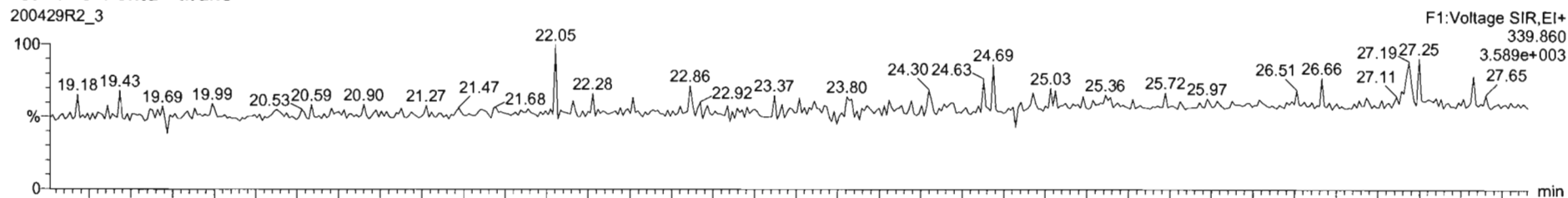
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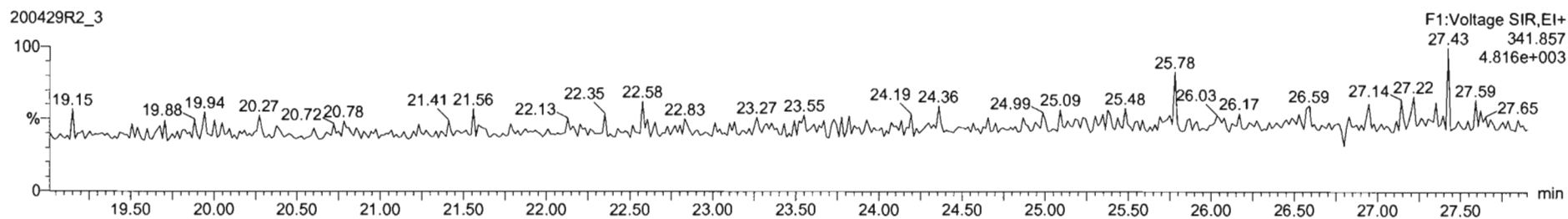
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1st Func. Penta-Furans

200429R2_3

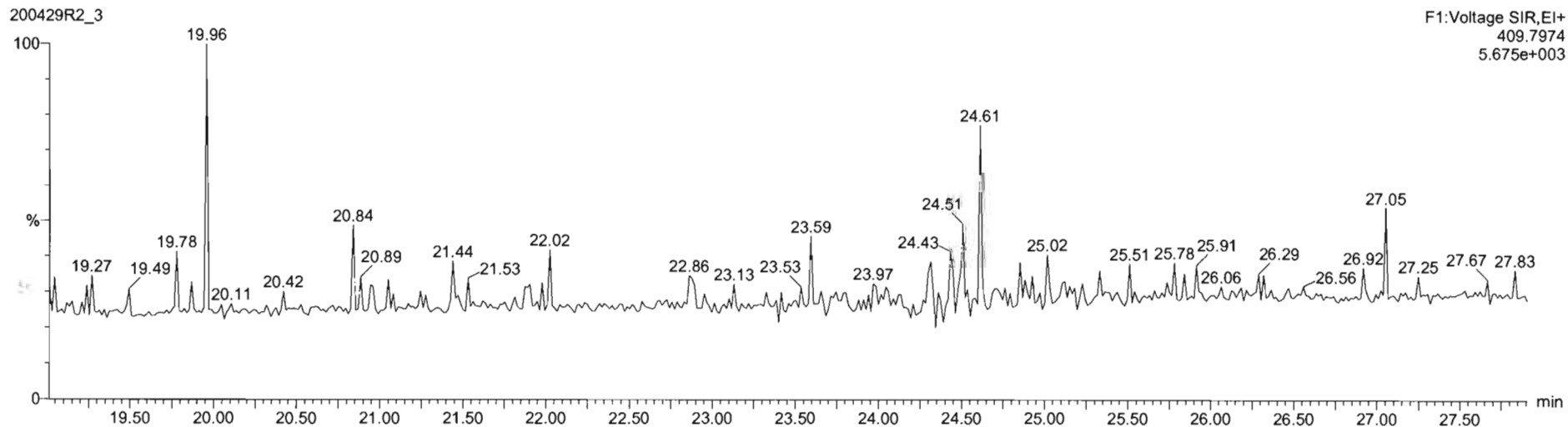


200429R2_3



DPE6

200429R2_3



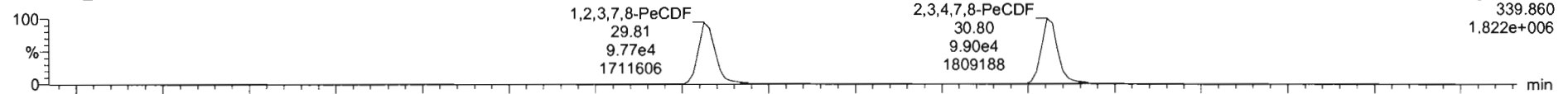
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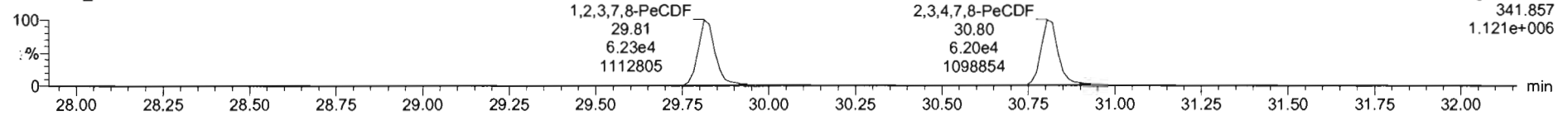
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1,2,3,7,8-PeCDF

200429R2_3

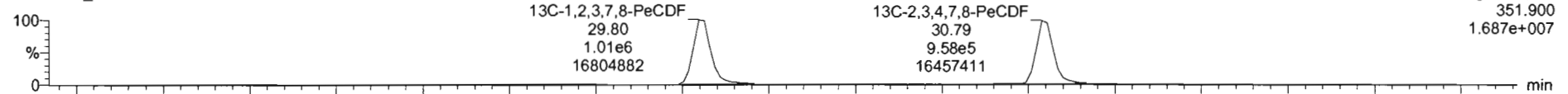


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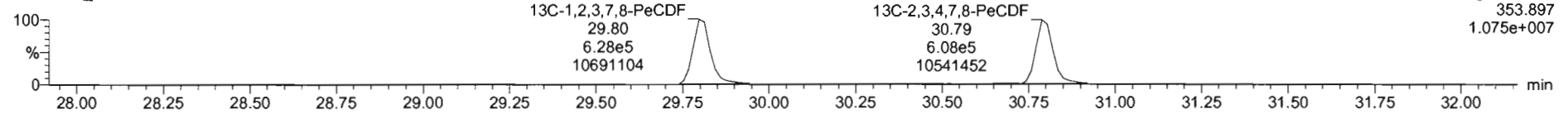


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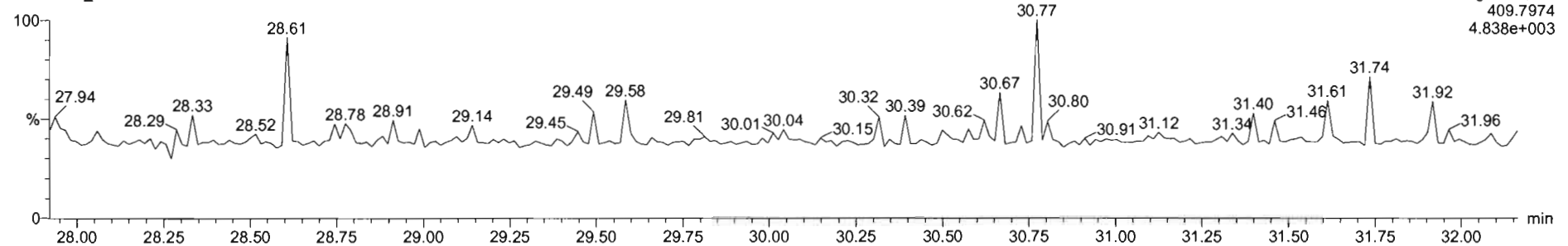


200429R2_3



DPE2

200429R2_3



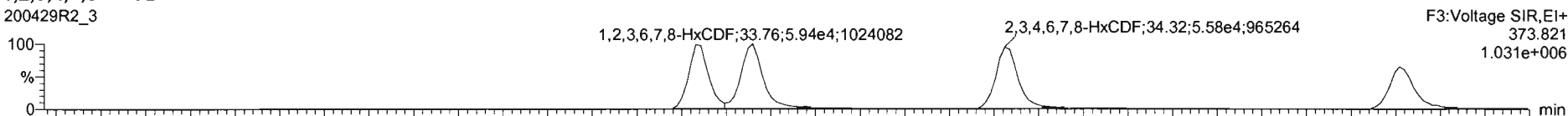
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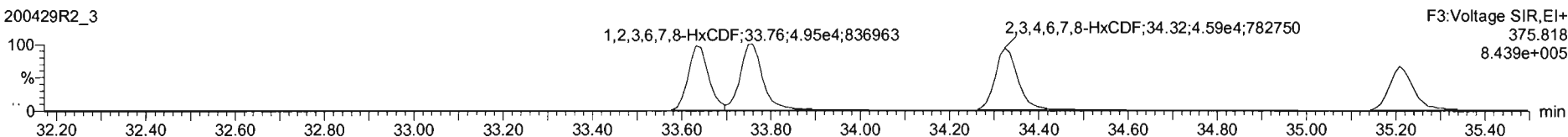
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1,2,3,4,7,8-HxCDF

200429R2_3

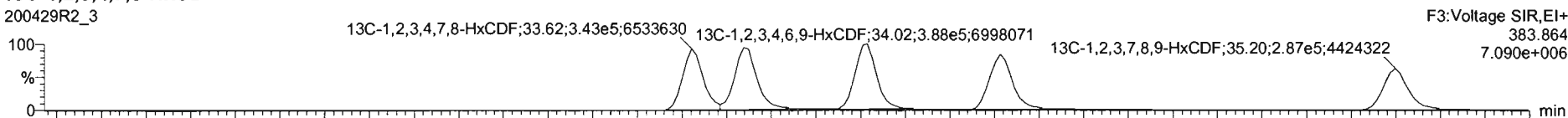


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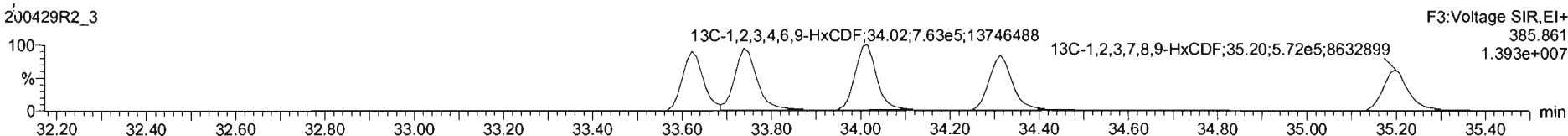


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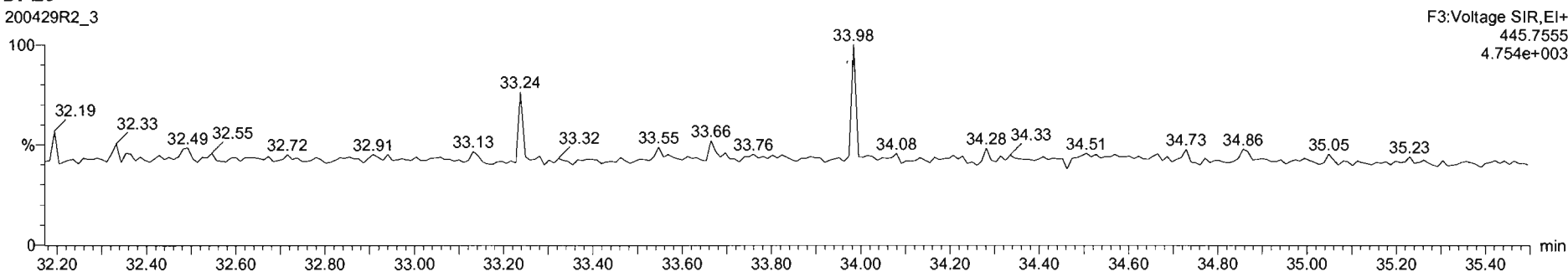


200429R2_3



DPE3

200429R2_3



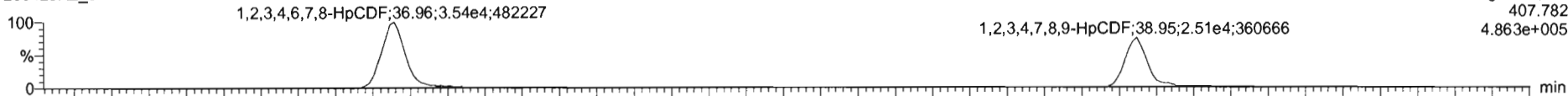
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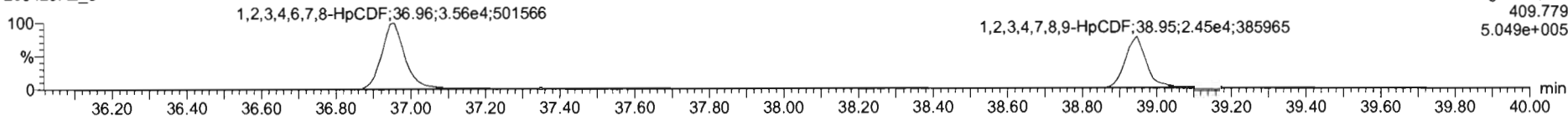
1,2,3,4,6,7,8-HpCDF

200429R2_3



F4:Voltage SIR,EI+
407.782
4.863e+005

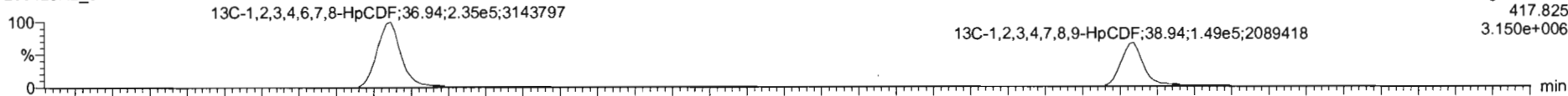
200429R2_3



F4:Voltage SIR,EI+
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5.049e+005

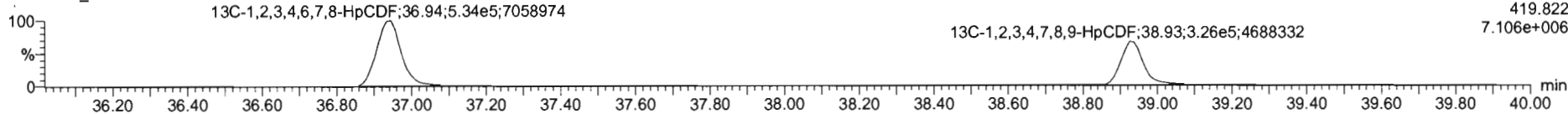
13C-1,2,3,4,6,7,8-HpCDF

200429R2_3



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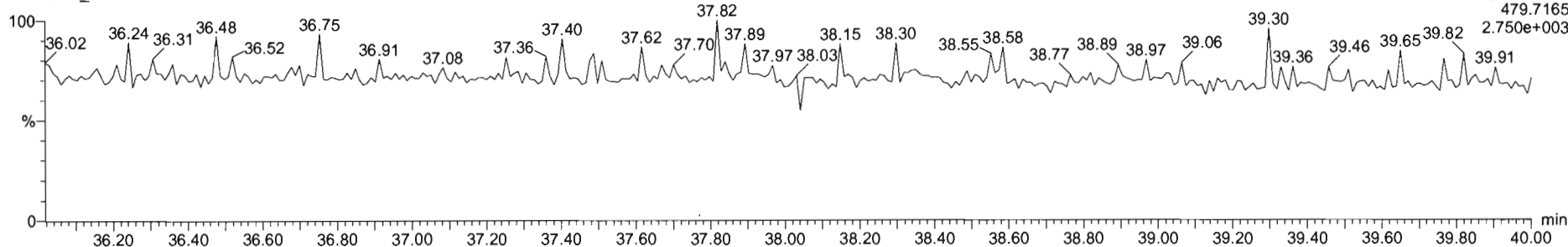
200429R2_3



F4:Voltage SIR,EI+
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7.106e+006

DPE4

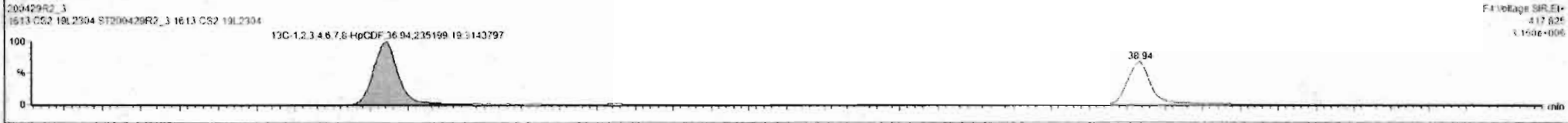
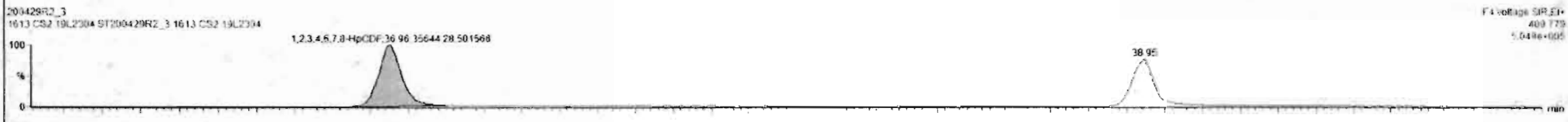
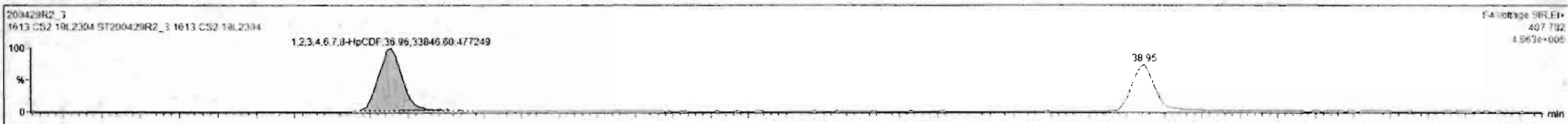
200429R2_3



F4:Voltage SIR,EI+
479.7165
2.750e+003

200429R2_3 - ST200429R2_3 1613 CS2 19L2304 - 1613 CS2 19L2304

#	1	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF N	RRF SD
1	1	2,2,7,8-TCDD	26.95	0.757	NO	2.7677e4	1.4302e6	2.000	2.1	5.35	0.947	0.0507
2	2	1,2,3,7,8-PeCDD	31.13	0.621	NO	9.9612e4	9.9250e5	10.000	6.8	5.51	0.942	0.0519
3	3	1,2,3,4,7,8-HxCDD	34.49	1.248	NO	3.2429e4	7.5171e5	10.000	3.1	6.62	1.06	0.0794
4	4	1,2,3,6,7,8-HxCDD	34.80	1.257	NO	9.4154e4	9.4942e5	10.000	8.4	6.53	0.915	0.0597
5	5	1,2,3,7,8,9-HxCDD	34.82	1.244	NO	8.1084e4	8.3359e5	10.000	6.3	7.64	0.915	0.0699
6	6	1,2,3,4,6,7,8-HpCDD	38.36	1.051	NO	5.9094e4	6.3652e5	10.000	3.1	6.93	0.856	0.0622
7	7	OCDD	41.34	0.853	NO	1.0629e5	1.0963e6	20.000	5.8	7.57	0.933	0.0707
8	8	2,2,7,8-TCDF	25.11	0.737	NO	3.4210e4	2.0671e6	2.000	4.1	5.11	0.767	0.0402
9	9	1,2,3,7,8-PeCDF	29.81	1.527	NO	1.5997e5	1.8425e6	10.000	7.0	5.86	0.910	0.0533
10	10	2,3,4,7,8-PeCDF	30.80	1.595	NO	1.6103e5	1.5556e6	10.000	6.4	4.98	0.666	0.0481
11	11	1,2,3,4,7,8-HxCDF	33.63	1.217	NO	9.5102e4	1.0175e6	10.000	6.4	7.59	0.878	0.0666
12	12	1,2,3,6,7,8-HxCDF	33.78	1.209	NO	1.0898e5	1.1386e6	10.000	9.5	7.23	0.874	0.0632
13	13	2,3,4,6,7,8-HxCDF	34.32	1.217	NO	1.0168e5	1.0301e6	10.000	7.1	7.69	0.922	0.0786
14	14	1,2,3,7,8,9-HxCDF	35.21	1.223	NO	7.7636e4	8.5276e5	10.000	4.9	5.96	0.864	0.0517
15	15	1,2,3,4,6,7,8-HpCDF	38.96	0.850	NO	6.9491e4	7.6914e5	10.000	3.7	7.54	0.871	0.0652
16	16	1,2,3,4,7,8,9-HpCDF	38.95	1.014	NO	4.3417e4	4.7188e5	10.000	3.5	6.62	1.01	0.0670
17	17	OCDF	41.52	0.877	NO	1.0707e5	1.2711e6	20.000	5.0	7.16	0.602	0.0575



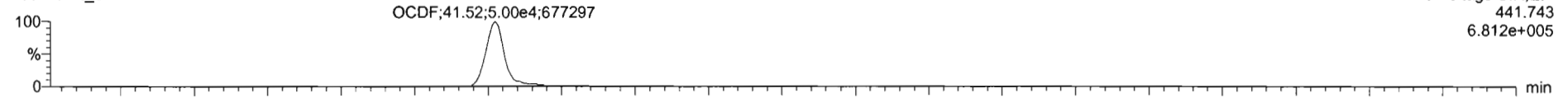
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

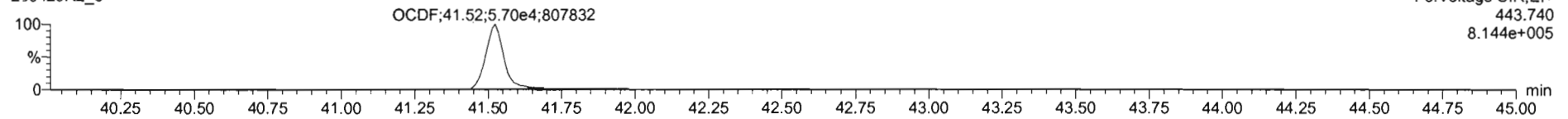
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OCDF

200429R2_3

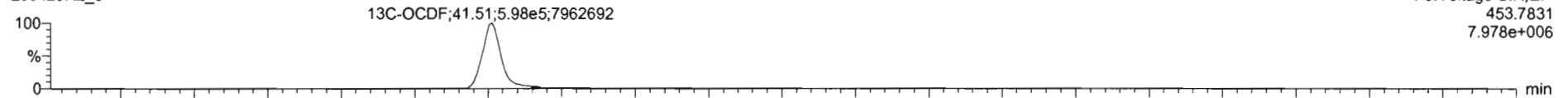


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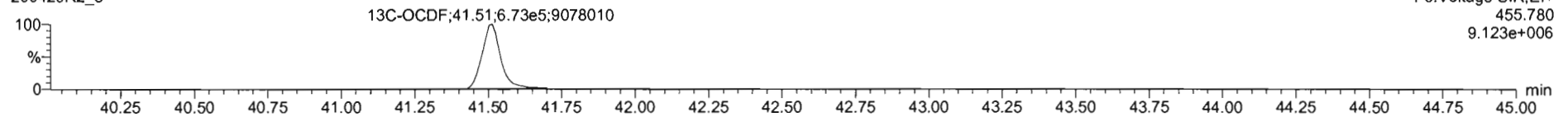


13C-OCDF

200429R2_3

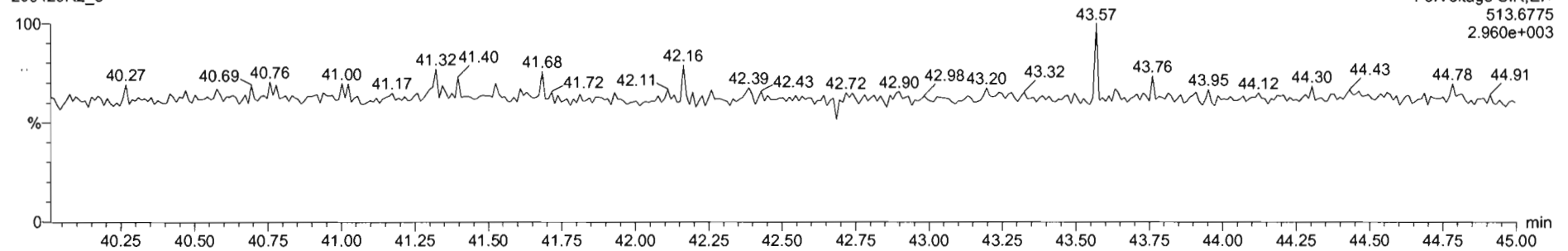


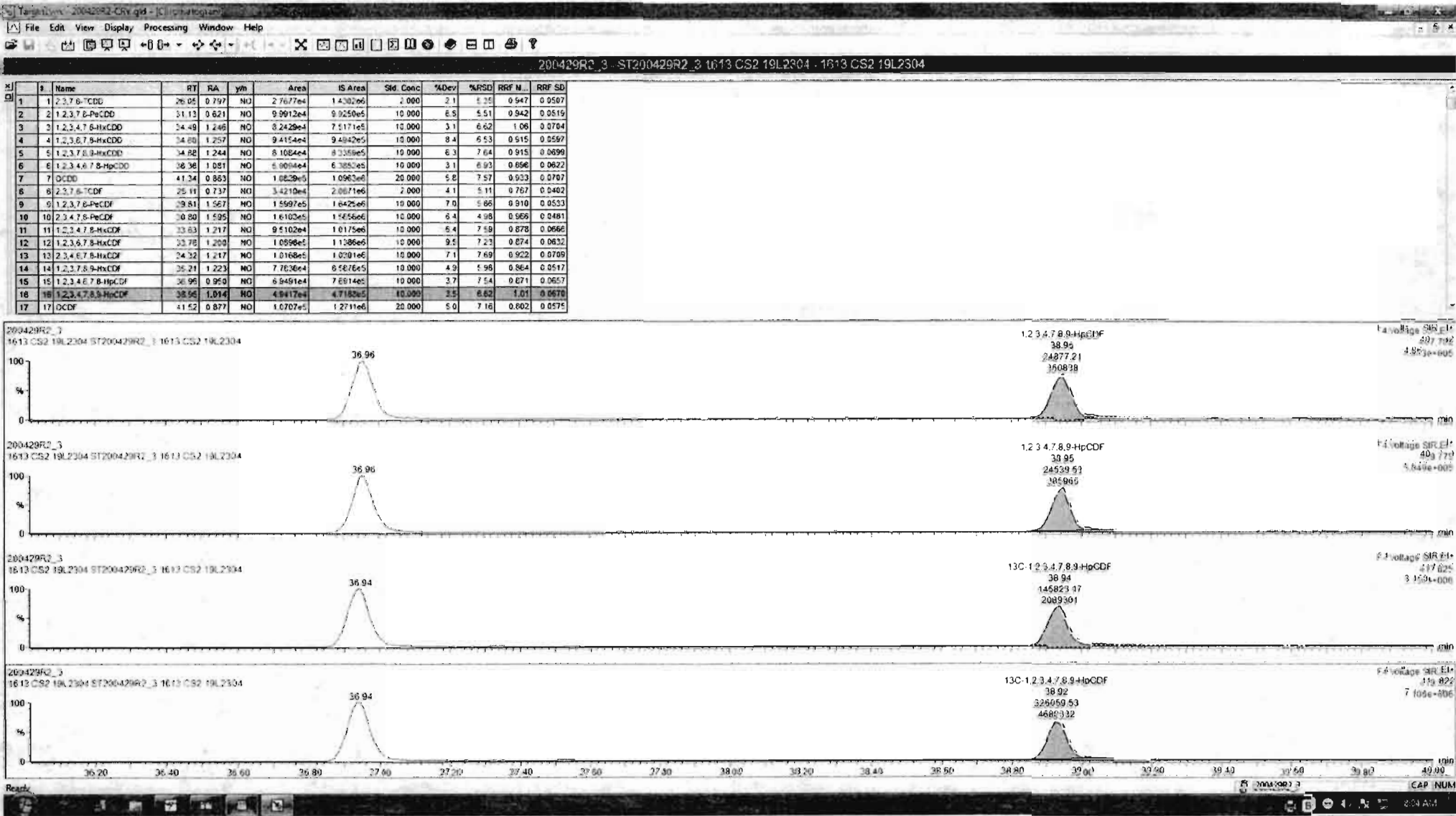
200429R2_3



DPE5

200429R2_3

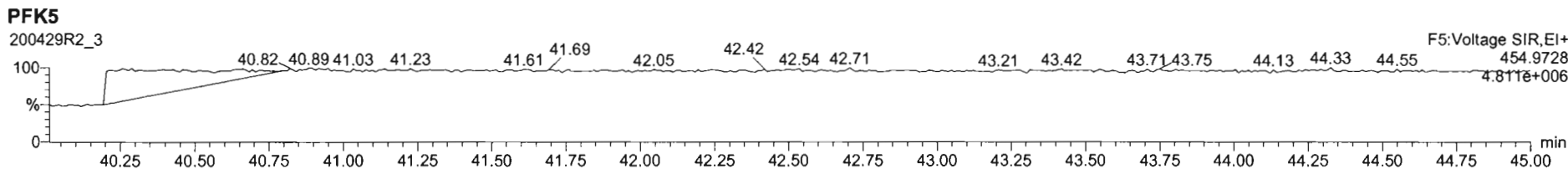
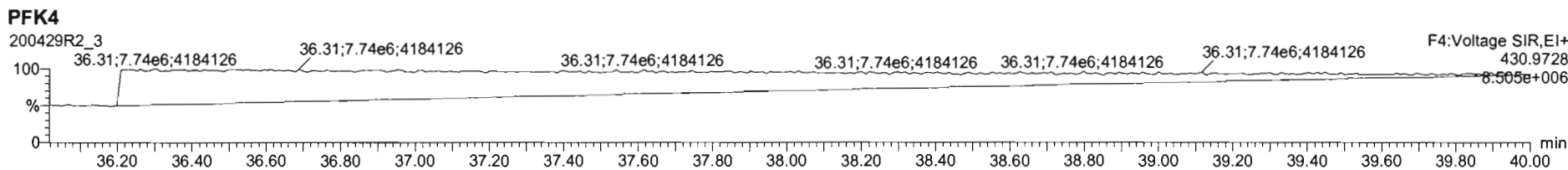
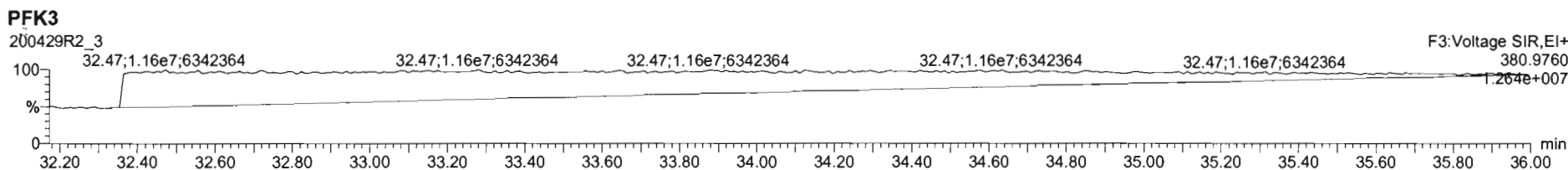
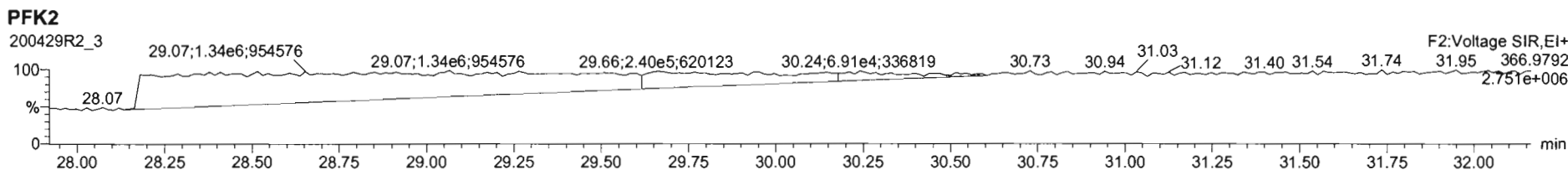
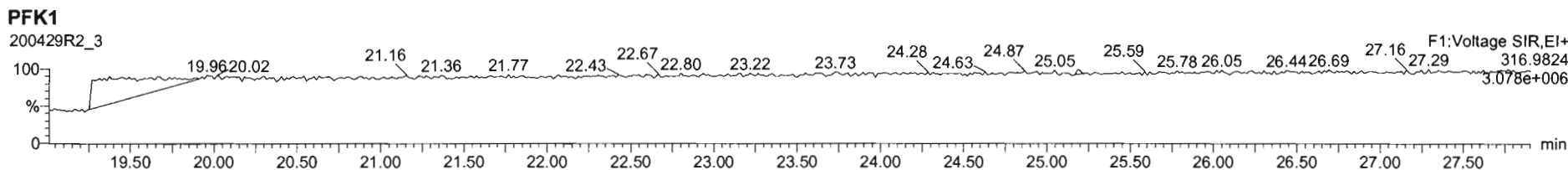




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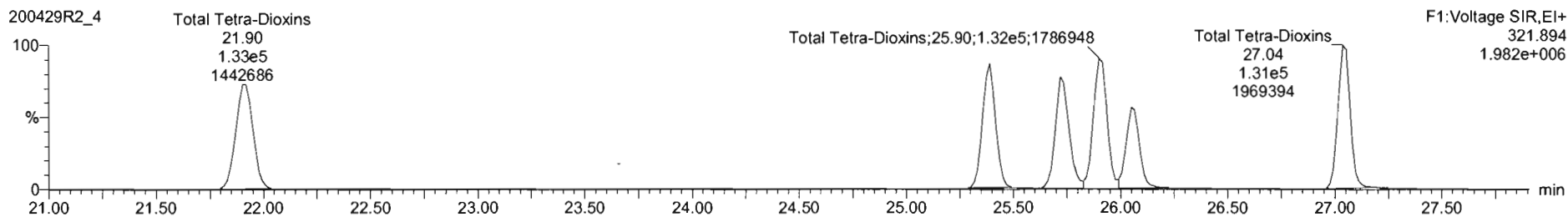
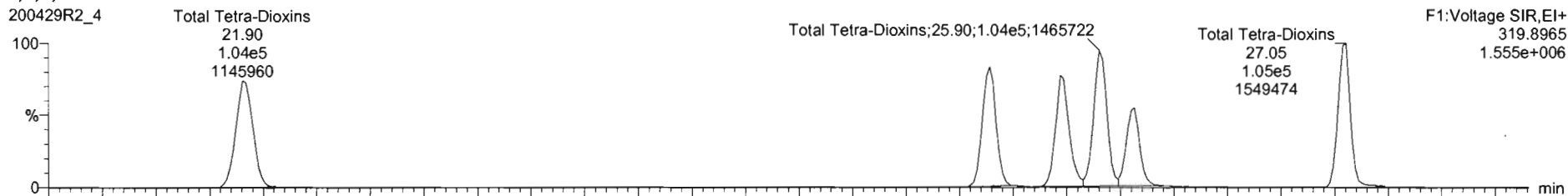


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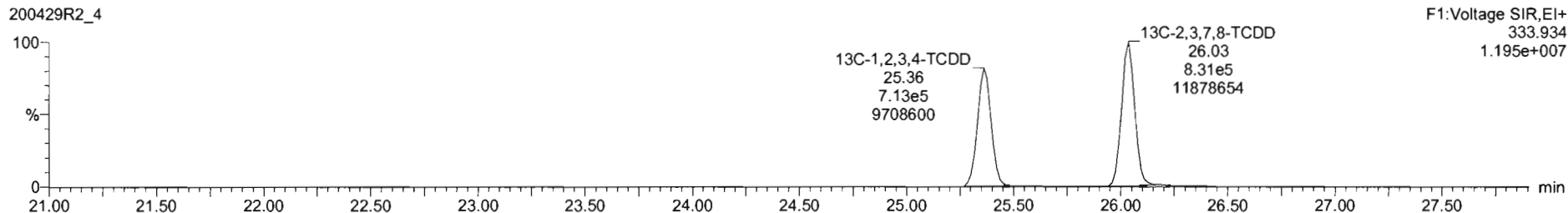
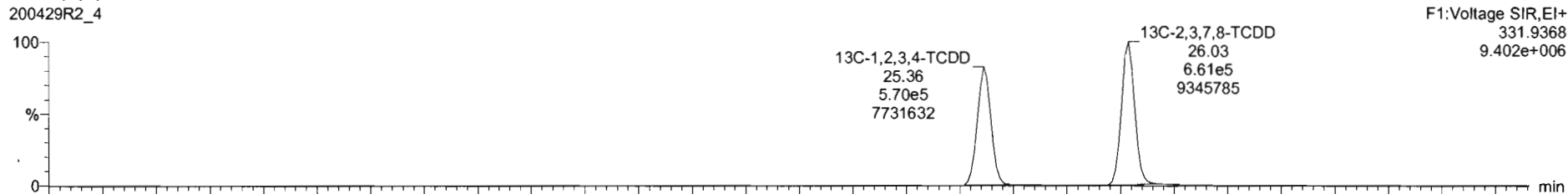
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2,3,7,8-TCDD



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



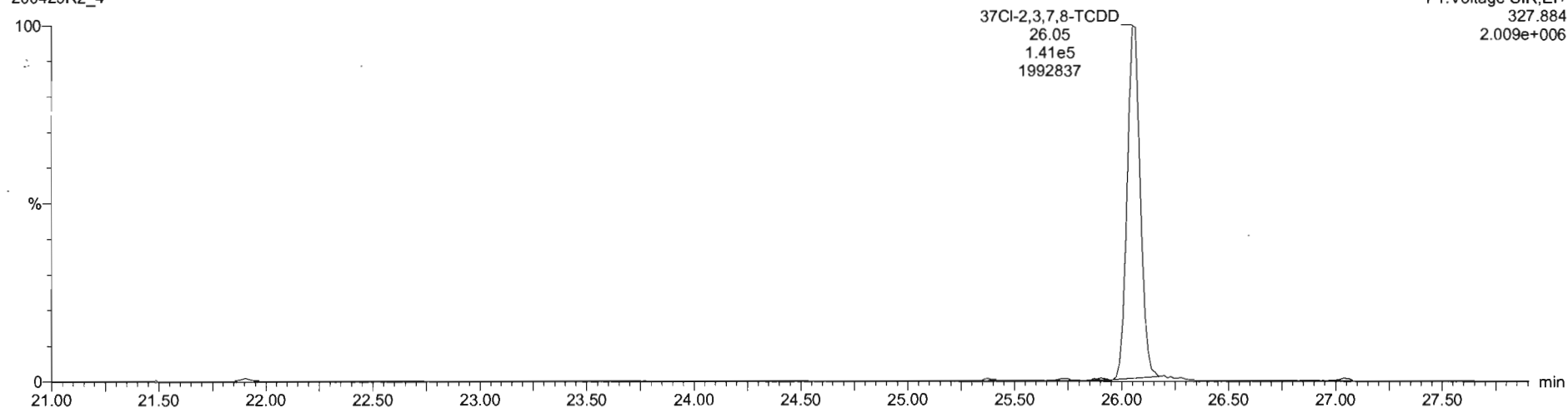
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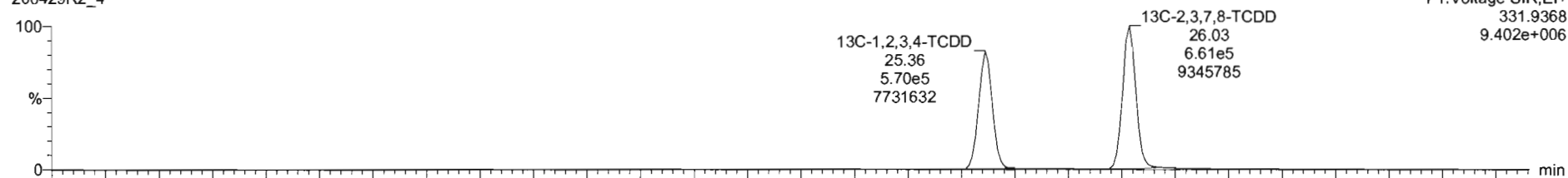
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200429R2_4

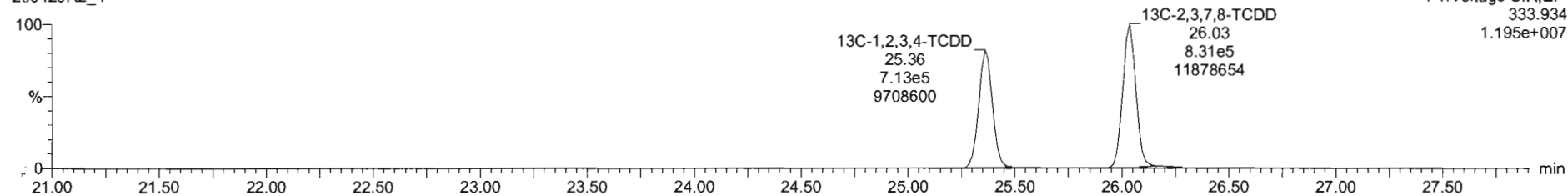


13C-1,2,3,4-TCDD

200429R2_4



200429R2_4



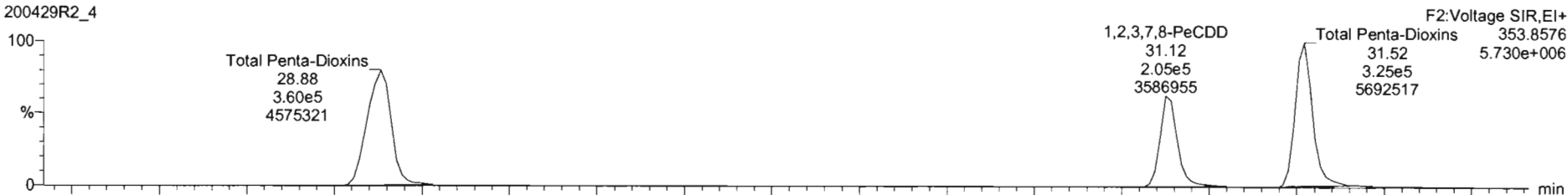
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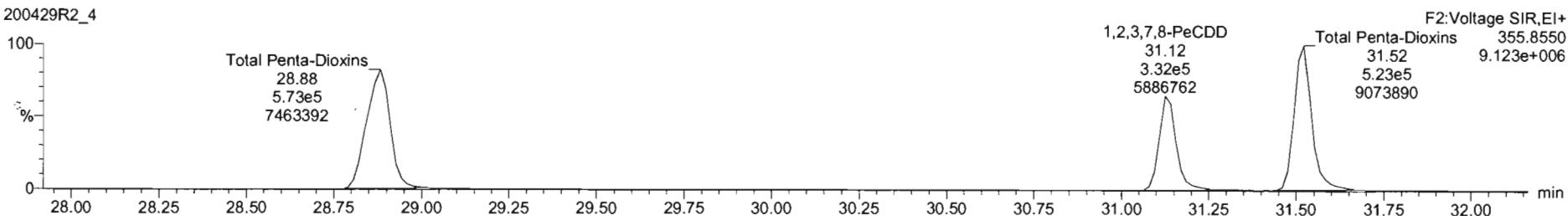
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1,2,3,7,8-PeCDD

200429R2_4

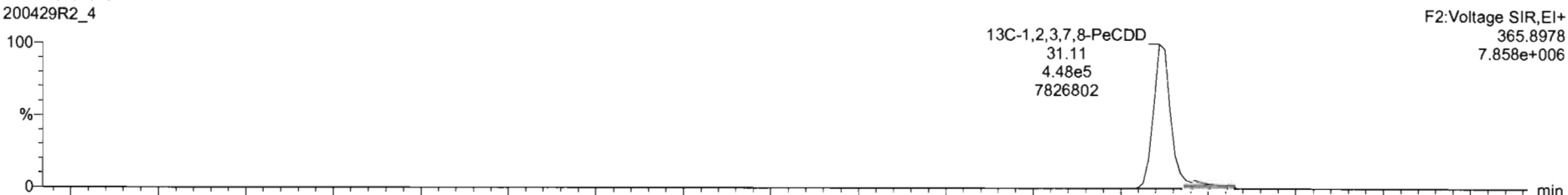


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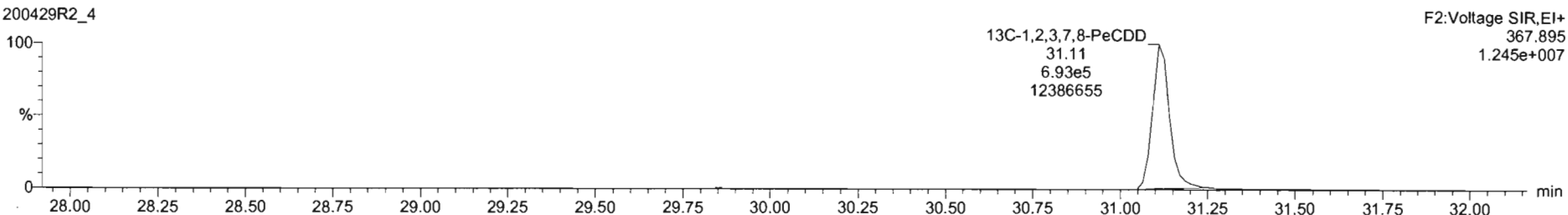


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200429R2_4



200429R2_4



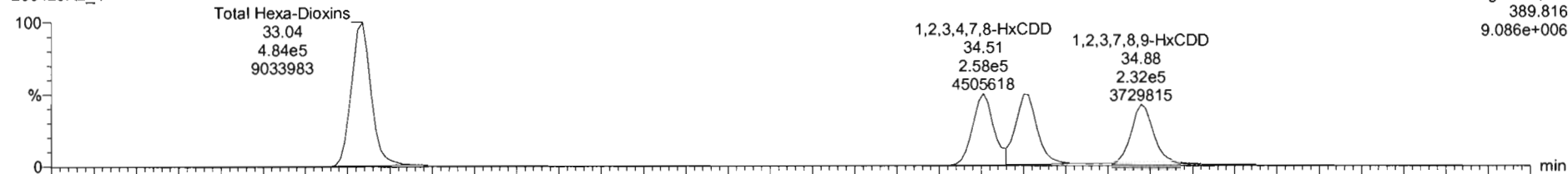
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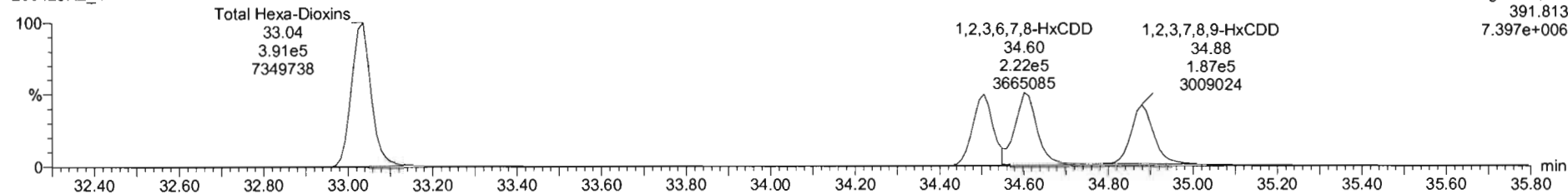
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1,2,3,4,7,8-HxCDD

200429R2_4

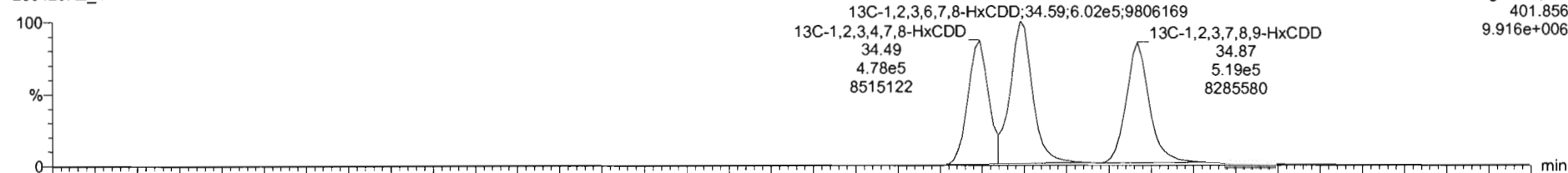


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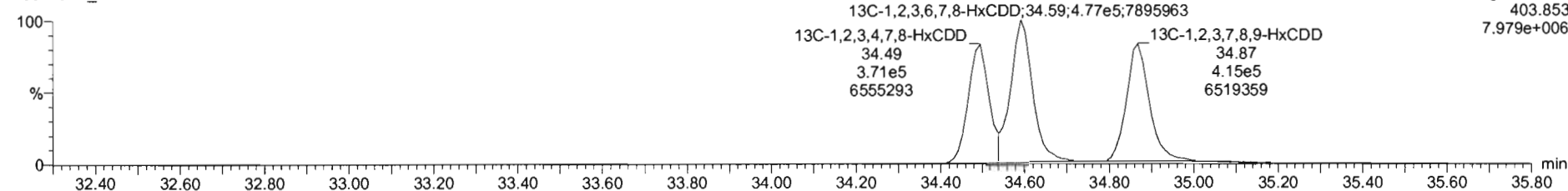


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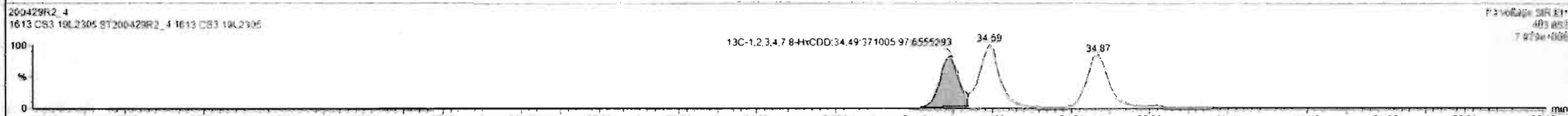
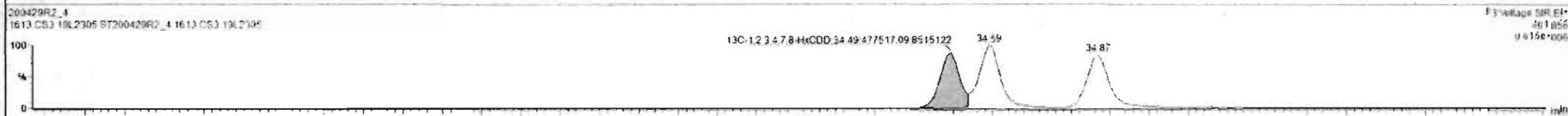
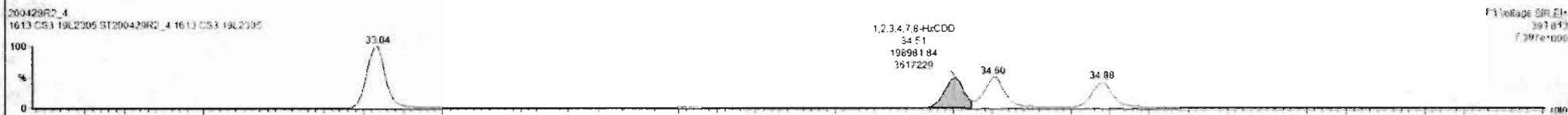
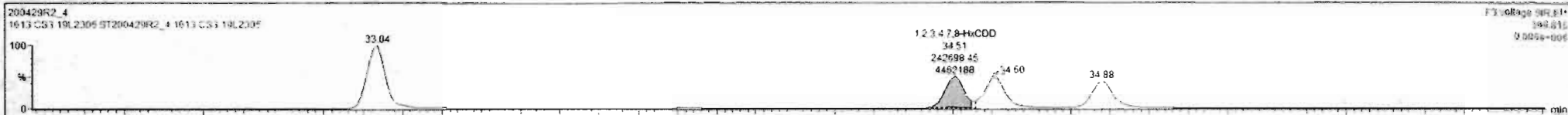
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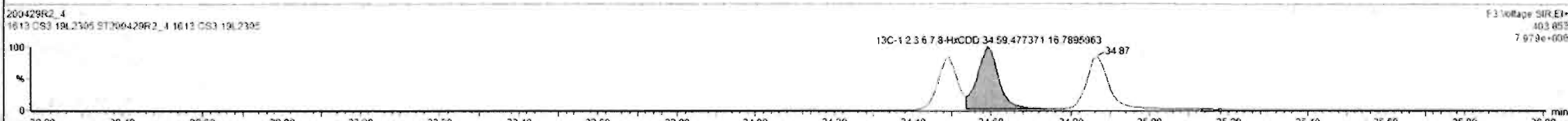
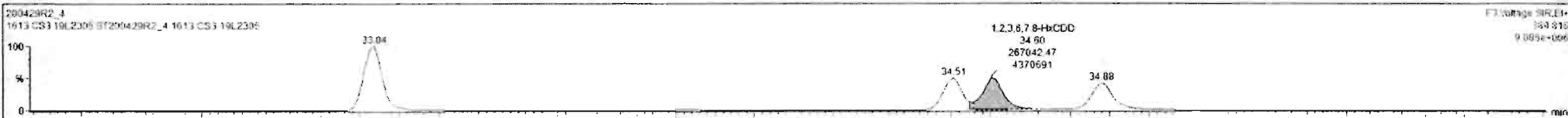
200429R2_4



#	S	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
1	1	1,2,3,7,8-TCDD	26.07	0.761	NO	1.4250e5	1.4920e6	10.000	0.6	5.35	0.947	0.0407
2	2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.2679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	3	1,2,3,4,7,8-HxCDD	34.51	1.226	NO	4.4168e5	8.4852e5	50.000	-2.2	6.62	1.06	0.0764
4	4	1,2,3,6,7,8-HxCDD	34.82	1.202	NO	4.8827e5	1.0796e6	50.000	-0.9	6.53	0.915	0.0493
5	5	1,2,3,7,8,9-HxCDD	34.82	1.239	NO	4.1946e5	9.2381e5	50.000	-1.8	7.64	0.915	0.0699
6	6	1,2,3,4,6,7,8-HpCDD	38.38	0.988	NO	3.0789e5	6.7896e5	50.000	1.0	6.93	0.696	0.0622
7	7	OCDD	41.35	0.879	NO	5.6237e5	1.1777e6	100.000	2.5	7.57	0.939	0.0763
8	8	2,3,7,8-TCDF	25.11	0.743	NO	1.6505e5	2.1491e6	10.000	-2.4	5.11	0.767	0.0462
9	9	1,2,3,7,8-PeCDF	29.81	1.589	NO	3.4585e5	1.6862e6	50.000	0.0	5.86	0.910	0.0533
10	10	1,2,3,4,7,8-PeCDF	30.80	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.96	0.666	0.0481
11	11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0668
12	12	1,2,3,6,7,8-HxCDF	33.78	1.173	NO	5.5766e5	1.2611e6	50.000	1.2	7.23	0.874	0.0633
13	13	2,3,4,6,7,8-HxCDF	34.33	1.170	NO	5.4197e5	1.1399e6	50.000	3.2	7.68	0.902	0.0765
14	14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2924e5	50.000	0.2	5.98	0.864	0.0517
15	15	1,2,3,4,6,7,8-HpCDF	36.97	0.952	NO	3.7224e5	8.6485e5	50.000	-1.2	7.54	0.871	0.0653
16	16	1,2,3,4,7,8,9-HxCDF	38.96	0.998	NO	2.5972e5	5.1182e5	50.000	0.3	6.62	1.01	0.0679
17	17	OCDF	41.53	0.862	NO	5.3038e5	1.3196e6	100.000	1.3	7.16	0.863	0.0575



#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.761	NO	1.4250e5	1.4920e6	10.000	0.6	5.25	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.3679e5	1.1411e6	50.000	0.2	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.220	NO	4.4168e5	3.4852e5	50.000	-2.2	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.60	1.202	NO	4.8027e5	1.0736e6	50.000	-0.9	6.53	0.915	0.0567
5	1,2,3,7,8,9-HxCDD	34.98	1.239	NO	4.1946e5	9.2381e5	50.000	-1.5	7.64	0.915	0.0659
6	1,2,3,4,6,7,8-HpCDD	38.36	0.908	NO	3.0769e5	6.7896e5	50.000	1.0	6.93	0.856	0.0622
7	OCDD	41.25	0.879	NO	5.6237e5	1.1777e6	100.000	2.3	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.11	0.743	NO	1.6505e5	2.1451e6	10.000	-2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.589	NO	3.4585e5	1.6522e6	50.000	0.0	5.86	0.910	0.0533
10	1,2,3,4,7,8-HxCDF	30.80	1.559	NO	8.7458e5	1.9179e6	50.000	-0.4	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0668
12	1,2,3,6,7,8-HxCDF	33.75	1.173	NO	5.5786e5	1.2611e6	50.000	1.2	7.23	0.674	0.0632
13	1,2,3,4,6,7,8-HpCDF	34.33	1.170	NO	5.4197e5	1.1399e6	50.000	3.2	7.69	0.922	0.0769
14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2624e5	50.000	0.2	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.962	NO	3.7224e5	6.6485e5	50.000	-1.2	7.54	0.871	0.0667
16	1,2,3,4,7,8,9-HpCDF	38.96	0.998	NO	2.5973e5	5.1163e5	50.000	0.3	6.62	1.01	0.0670
17	OCDF	41.53	0.862	NO	5.3639e5	1.3198e6	100.000	1.3	7.16	0.602	0.0575



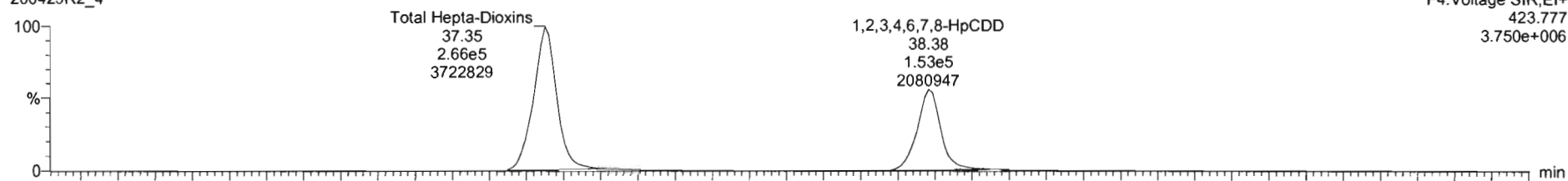
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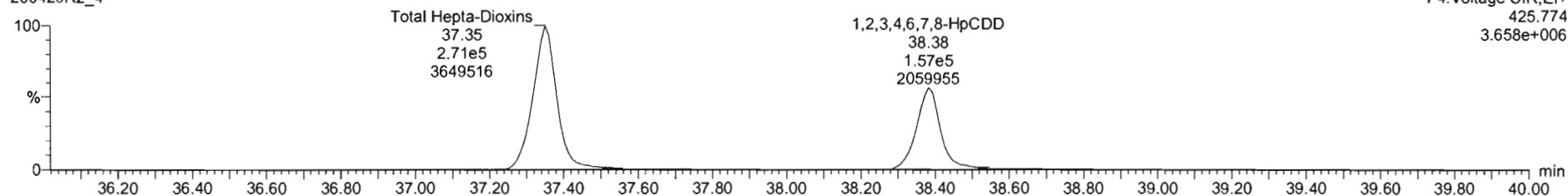
1,2,3,4,6,7,8-HpCDD

200429R2_4



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3.750e+006

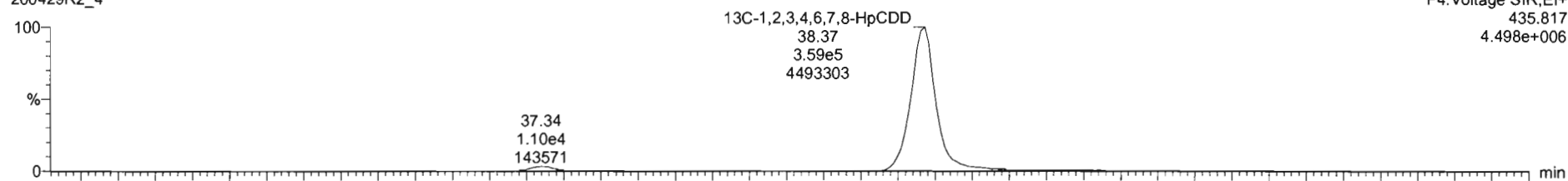
200429R2_4



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3.658e+006

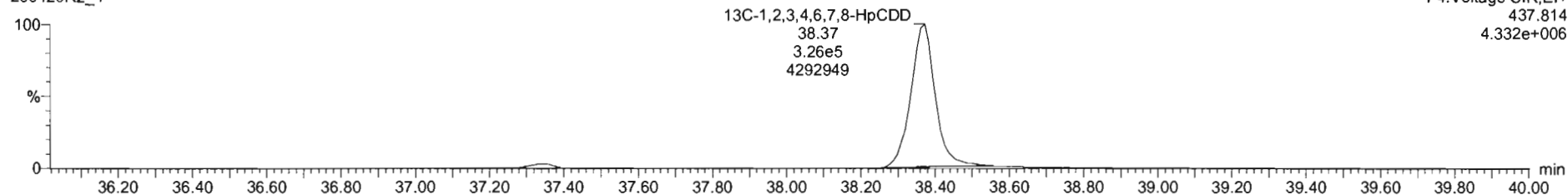
13C-1,2,3,4,6,7,8-HpCDD

200429R2_4



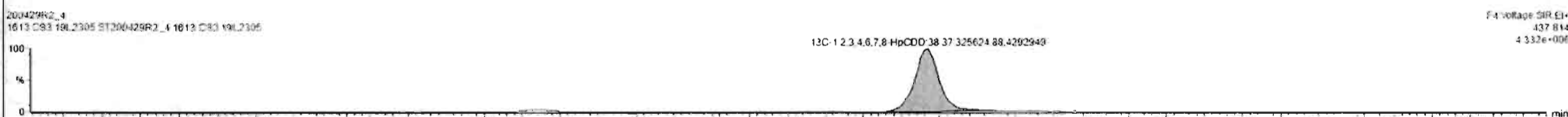
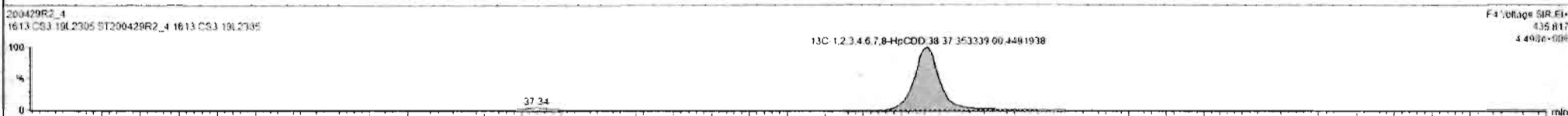
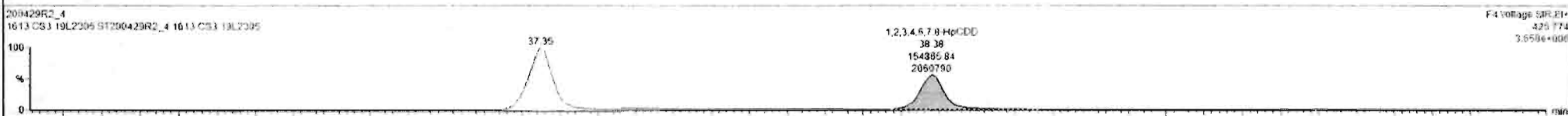
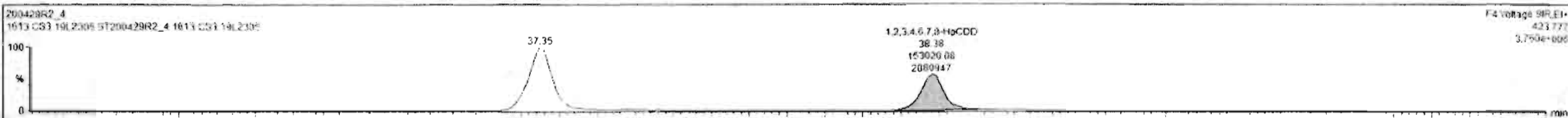
F4: Voltage SIR, EI+
435.817
4.498e+006

200429R2_4



F4: Voltage SIR, EI+
437.814
4.332e+006

#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,6-TCDD	26.07	0.761	NO	1.4250e5	1.4920e6	10.000	0.6	5.25	0.947	0.0507
2	1,2,3,7,8-PeCDD	21.13	0.616	NO	5.3679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	24.51	1.229	NO	4.4168e5	8.4852e5	50.000	2.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	24.00	1.202	NO	4.8927e5	1.0796e6	50.000	-0.9	6.53	0.915	0.0592
5	1,2,3,7,8,9-HxCDD	34.98	1.219	NO	4.1946e5	9.3381e5	50.000	-1.8	7.64	0.915	0.0599
6	1,2,3,4,6,7,8-HpCDD	38.36	0.968	NO	3.0769e5	6.7096e5	50.000	1.0	6.93	0.898	0.0622
7	OCDD	41.35	0.879	NO	5.6337e5	1.1777e6	100.000	2.5	7.57	0.923	0.0707
8	2,3,7,8-TCDF	25.11	0.743	NO	1.6505e5	2.1491e6	10.000	-2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.589	NO	8.4585e5	1.8662e6	50.000	0.0	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	29.00	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.96	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	23.84	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0566
12	1,2,3,6,7,8-HxCDF	23.76	1.173	NO	5.5786e5	1.2611e6	50.000	1.2	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	24.33	1.170	NO	5.4197e5	1.1399e6	50.000	3.2	7.69	0.922	0.0765
14	1,2,3,7,8,9-HxCDF	25.22	1.168	NO	4.0244e5	9.2834e5	50.000	0.2	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.962	NO	3.7224e5	8.6486e5	50.000	-1.2	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	28.06	0.998	NO	2.6973e5	5.1185e5	50.000	0.3	6.62	1.01	0.0678
17	OCDF	41.53	0.862	NO	5.3639e5	1.3196e6	100.000	1.3	7.16	0.802	0.0575



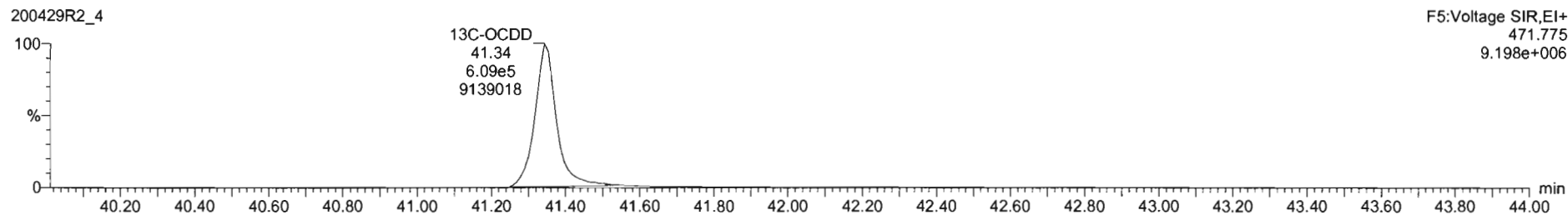
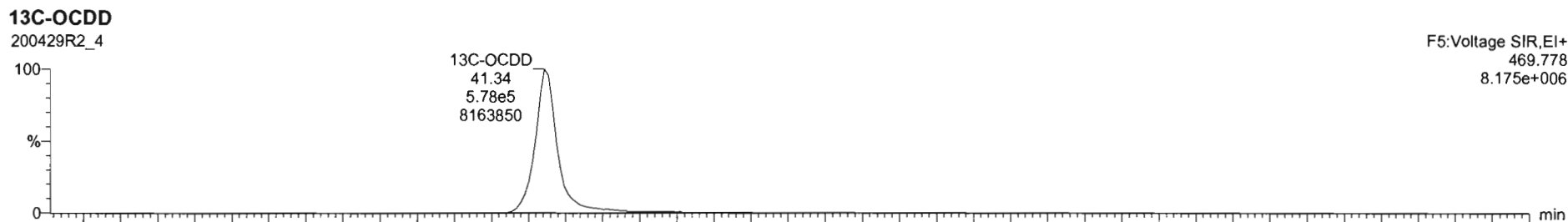
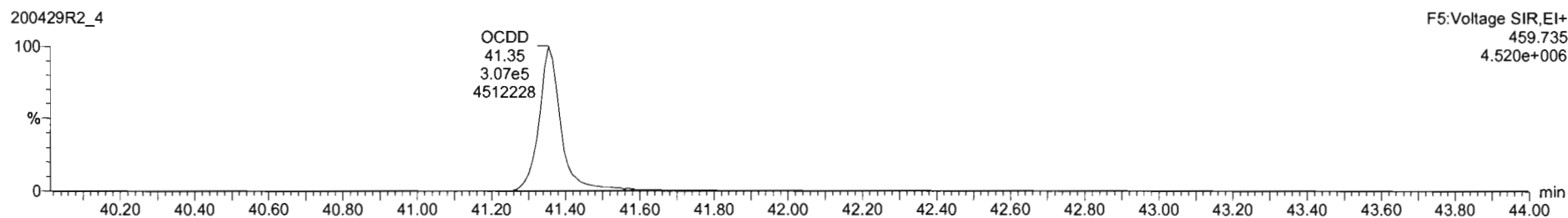
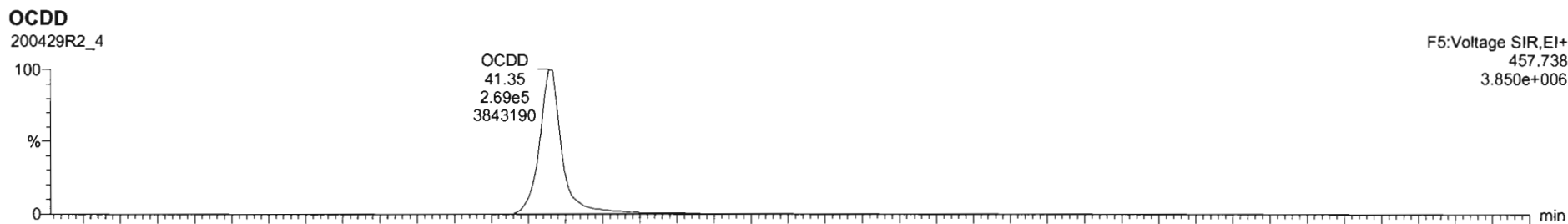
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Name: 200429R2_4, Date: 29-Apr-2020, Time: 15:48:39, ID: ST200429R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305



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200429R2_4 - ST200429R2_4 1613 CS3 19L2305 - 1613 CS3 19L2305

#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.751	NO	1.4250e5	1.4920e5	10.000	0.0	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.3679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.220	NO	4.4166e5	3.4852e5	50.000	-2.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.202	NO	4.8927e5	1.0796e6	50.000	-0.9	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.88	1.239	NO	4.1546e5	9.3381e5	50.000	-1.8	7.64	0.915	0.0659
6	1,2,3,4,6,7,8-HpCDD	36.36	0.908	NO	3.0769e5	6.7896e5	50.000	1.0	6.93	0.656	0.0622
7	OCDD	41.35	0.879	NO	5.6337e5	1.1777e6	100.000	2.5	7.57	0.833	0.0261
8	2,2,7,8-TCDF	25.11	0.743	NO	1.6505e5	2.1491e6	10.000	-2.4	5.11	0.757	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.589	NO	3.4585e5	1.6762e6	50.000	0.0	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.96	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.76	1.173	NO	5.5706e5	1.2611e6	50.000	1.2	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.170	NO	5.4197e5	1.1299e6	50.000	3.2	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2924e5	50.000	0.2	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.952	NO	3.7224e5	8.6485e5	50.000	-1.2	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.96	0.998	NO	2.5973e5	5.1183e5	50.000	0.3	6.62	1.01	0.0670
17	OCDF	41.53	0.862	NO	5.3639e5	1.3196e6	100.000	1.3	7.16	0.802	0.0575

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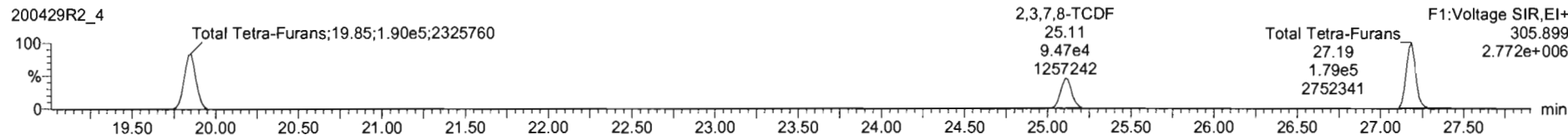
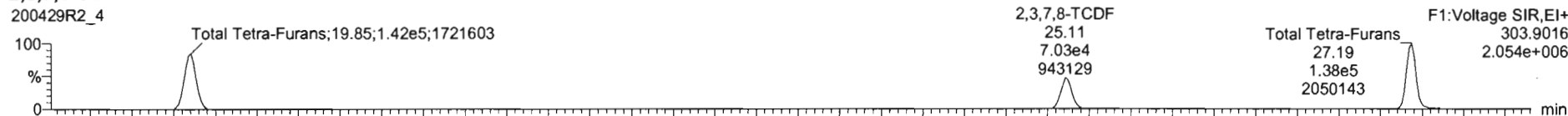
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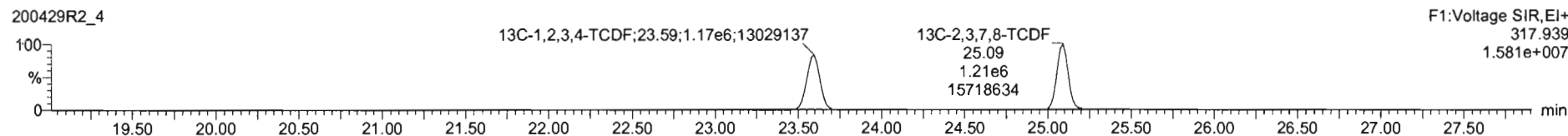
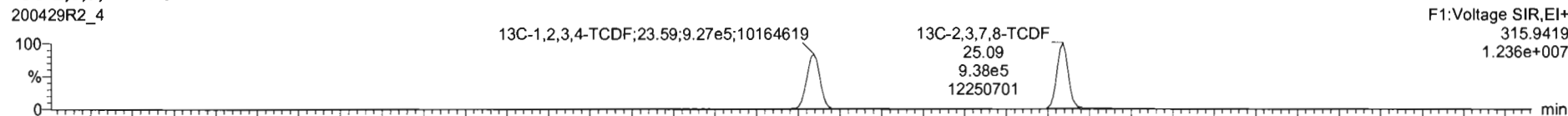
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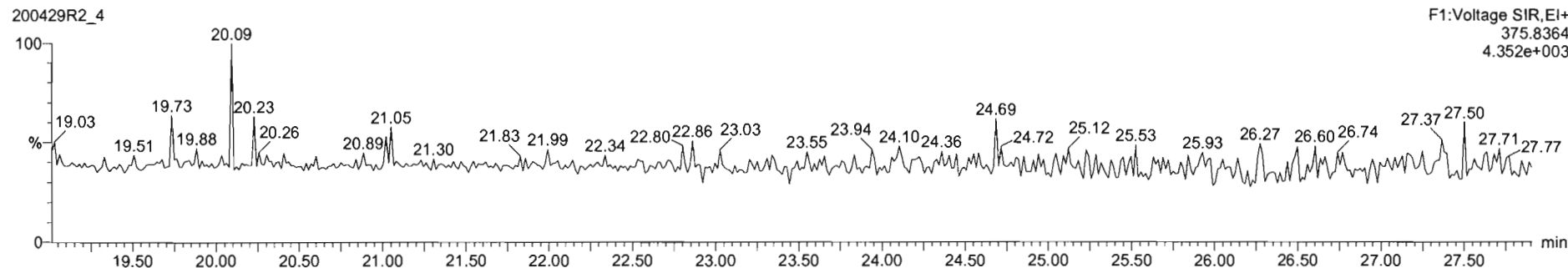
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13C-2,3,7,8-TCDF



DPE1



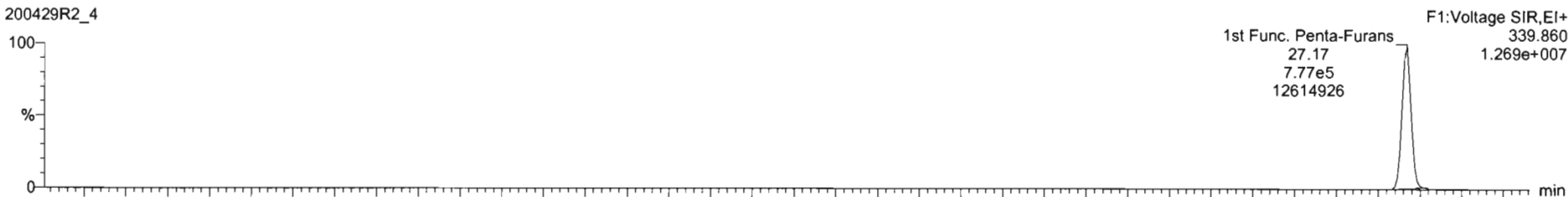
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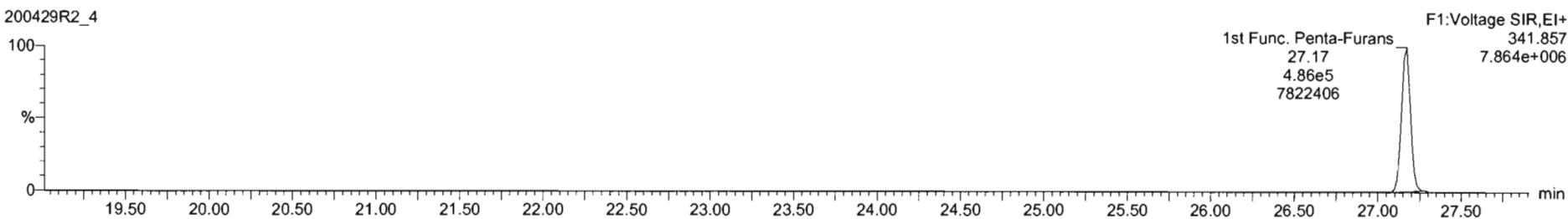
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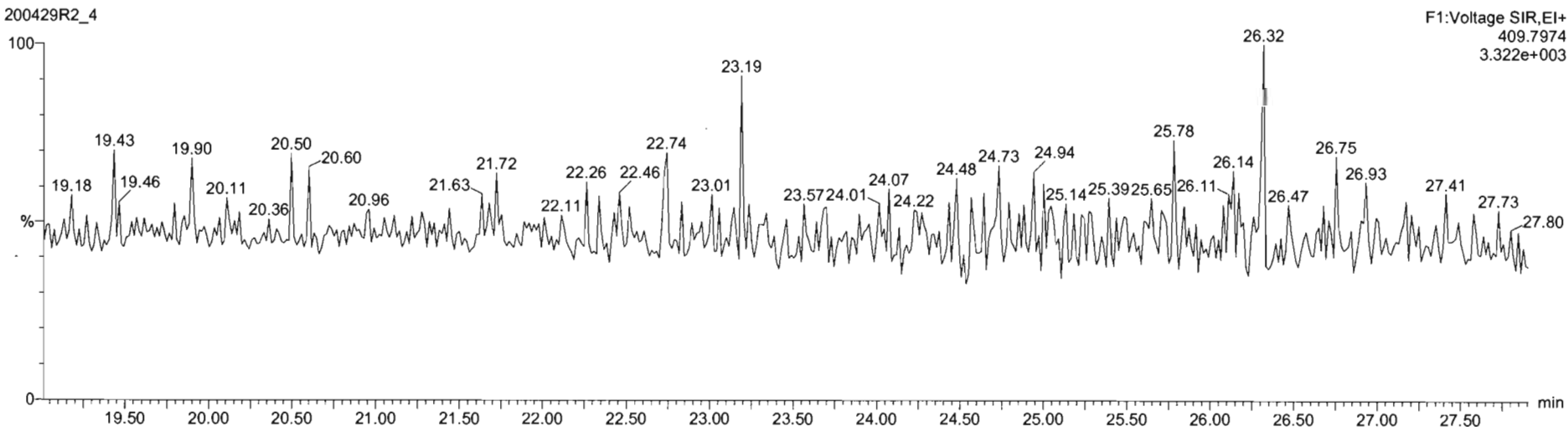


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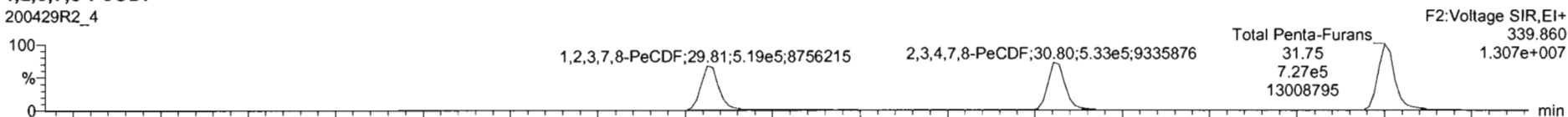
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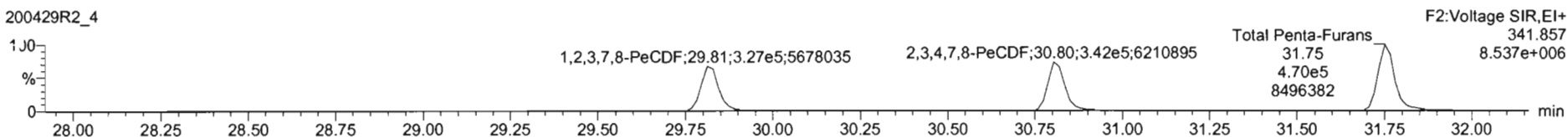
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1,2,3,7,8-PeCDF

200429R2_4

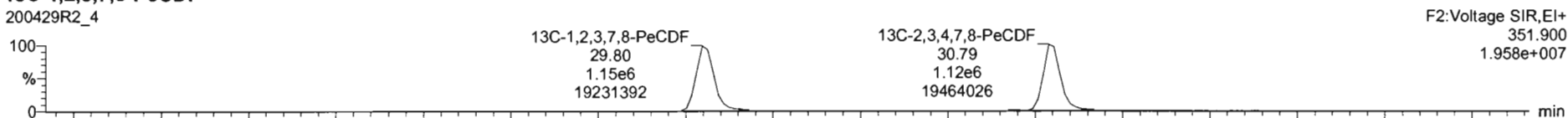


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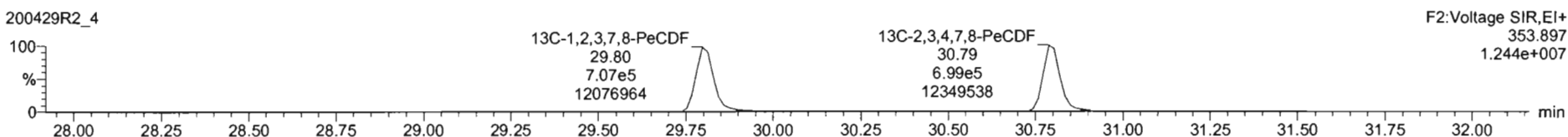


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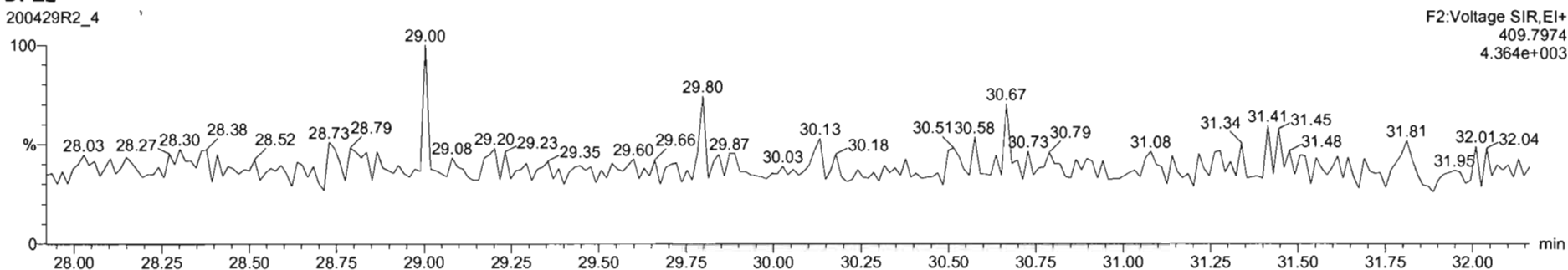


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DPE2

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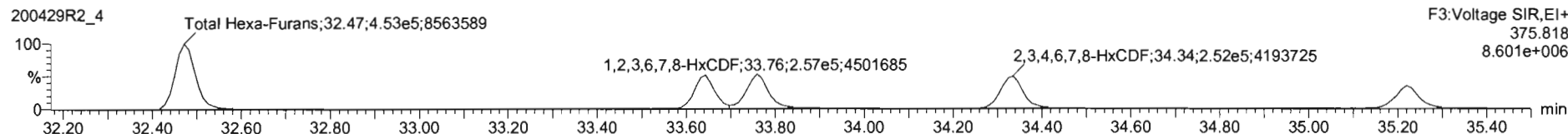
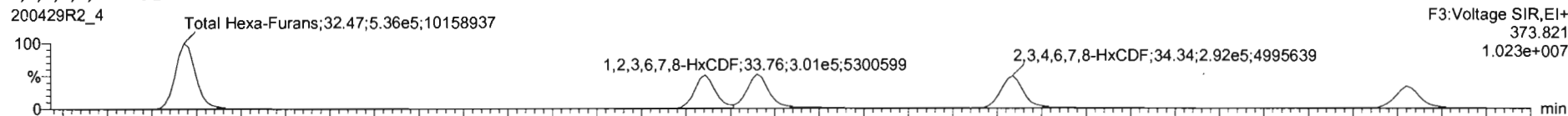


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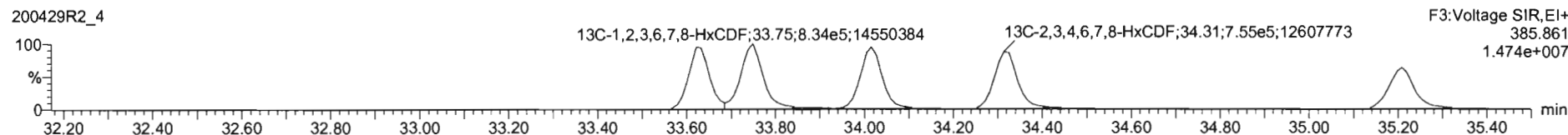
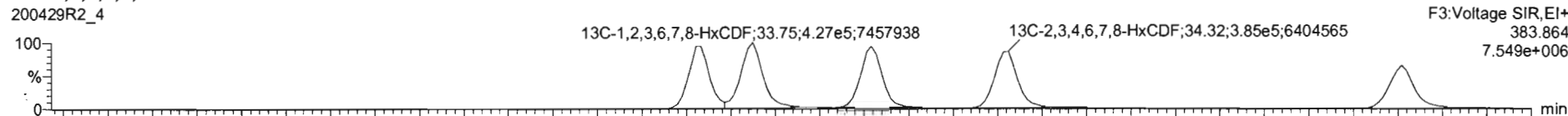
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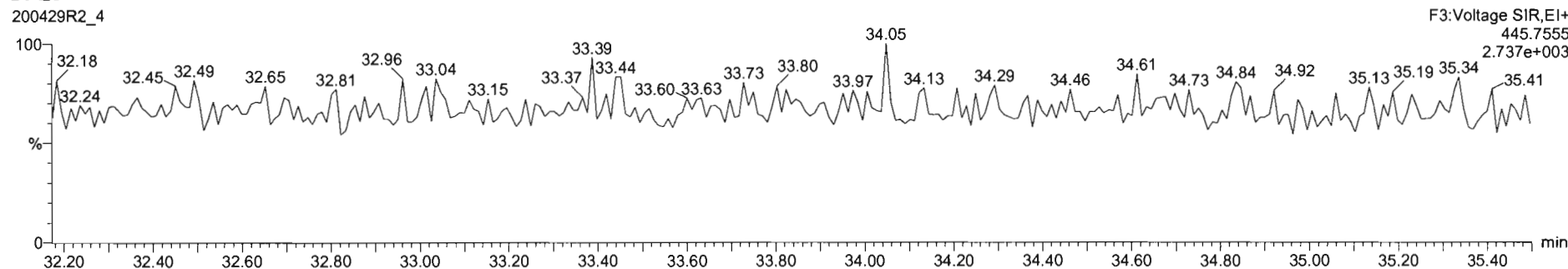
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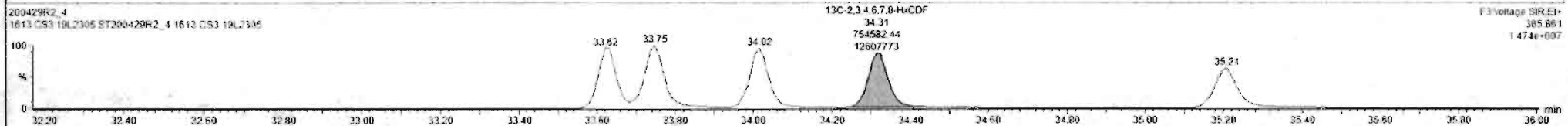
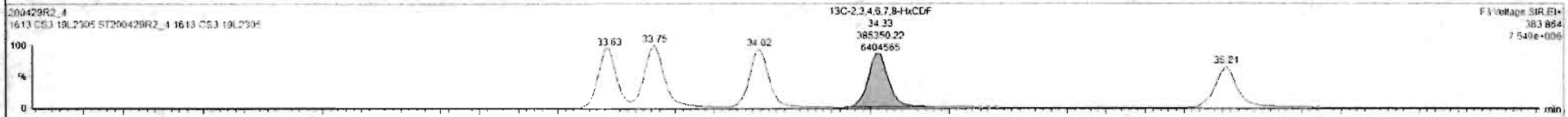
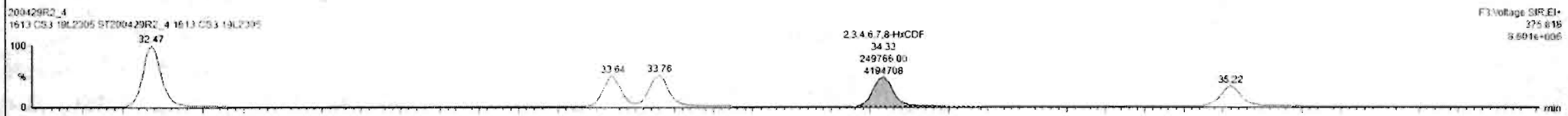
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DPE3



#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%PSD	RRF M.L.	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.761	NO	1.4250e5	1.4920e5	10.000	0.6	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.3679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0516
3	1,2,3,4,7,8-HxCDD	34.51	1.220	NO	4.4168e5	8.4850e5	50.000	-2.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.202	NO	4.8907e5	1.0790e6	50.000	-0.9	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.88	1.219	NO	4.1946e5	9.5381e5	50.000	-1.8	7.64	0.915	0.0659
6	1,2,3,4,6,7,8-HpCDD	38.36	0.988	NO	3.0769e5	6.7806e5	50.000	1.0	6.93	0.856	0.0622
7	OCDD	41.35	0.879	NO	5.6337e5	1.1777e6	100.000	2.5	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.11	0.743	NO	1.6505e5	2.1491e5	10.000	-2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.589	NO	8.4785e5	1.6762e6	50.000	0.0	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.90	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1230e6	50.000	1.1	7.59	0.878	0.0686
12	1,2,3,6,7,8-HxCDF	33.76	1.173	NO	5.5786e5	1.2611e6	50.000	1.2	7.23	0.874	0.0652
13	2,3,4,6,7,8-HxCDF	34.33	1.171	NO	5.4192e5	1.1399e6	50.000	3.2	7.89	0.922	0.0765
14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.7924e5	50.000	0.7	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	38.97	0.952	NO	3.7224e5	6.6485e5	50.000	-1.2	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.96	0.998	NO	2.5973e5	5.1832e5	50.000	0.3	4.62	1.01	0.0670
17	OCDF	41.53	0.862	NO	5.3639e5	1.3188e6	100.000	1.3	7.16	0.802	0.0575

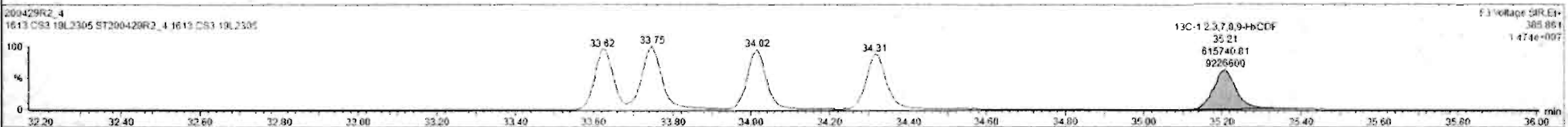
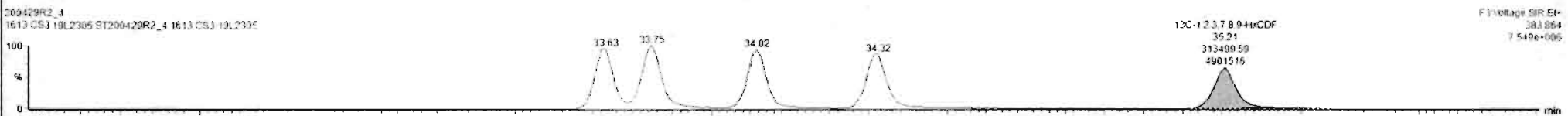
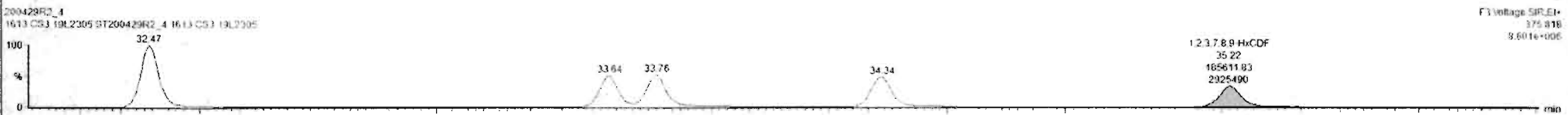


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200429R2_4 CAP NUM

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#	Name	RT	RA	ym	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.761	NO	1.4250e5	1.4920e6	10.000	0.8	1.35	0.547	0.0507
2	1,2,3,7,8-PeCDD	21.13	0.616	NO	5.2678e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	24.51	1.220	NO	4.4168e5	8.4852e5	50.000	-2.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	24.80	1.202	NO	4.8027e5	1.0796e6	50.000	-0.9	6.53	0.915	0.0567
5	1,2,3,7,8,9-HxCDD	24.98	1.219	NO	4.1546e5	9.3381e5	50.000	-1.5	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	26.38	0.988	NO	2.0768e5	6.7896e5	50.000	1.0	6.92	0.856	0.0622
7	OCDD	41.25	0.879	NO	5.6337e5	1.1777e6	100.000	2.5	7.57	0.613	0.0707
8	2,3,7,8-TCDF	25.11	0.743	NO	1.6505e5	2.1491e6	10.000	-2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.589	NO	8.4165e5	1.6682e6	50.000	0.0	5.86	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	30.80	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.6312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.173	NO	5.5706e5	1.2611e6	50.000	1.2	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HxCDF	34.23	1.170	NO	5.4197e5	1.1394e6	50.000	3.1	7.69	0.902	0.0709
14	1,2,3,7,8,9-HxCDF	35.22	1.164	NO	4.6244e5	9.2024e5	50.000	0.2	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.962	NO	3.7234e5	8.6485e5	50.000	-1.2	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.98	0.998	NO	2.5973e5	5.1182e5	50.000	0.3	6.82	1.01	0.0670
17	OCDF	41.53	0.862	NO	5.1650e5	1.3198e6	100.000	1.5	7.16	0.802	0.0575



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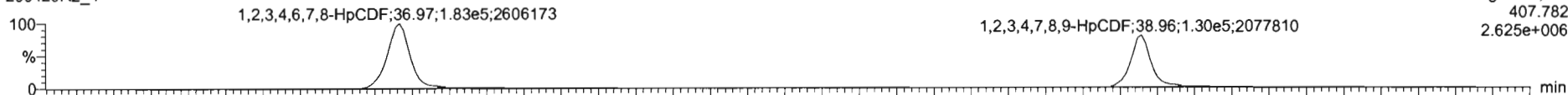
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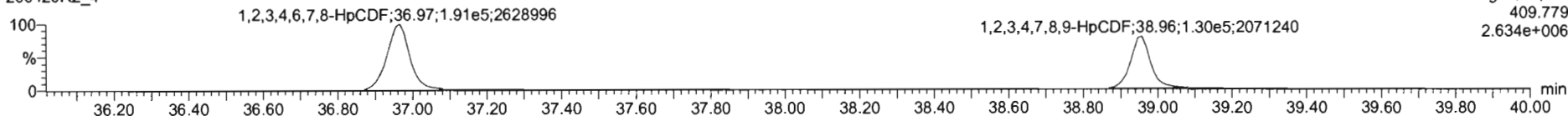
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1,2,3,4,6,7,8-HpCDF

200429R2_4

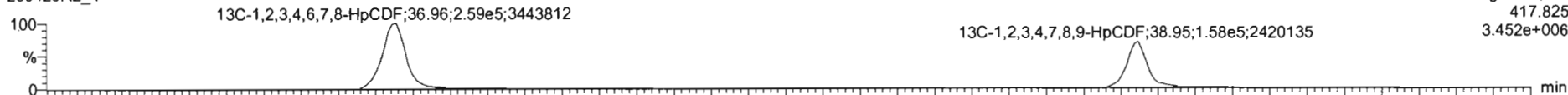


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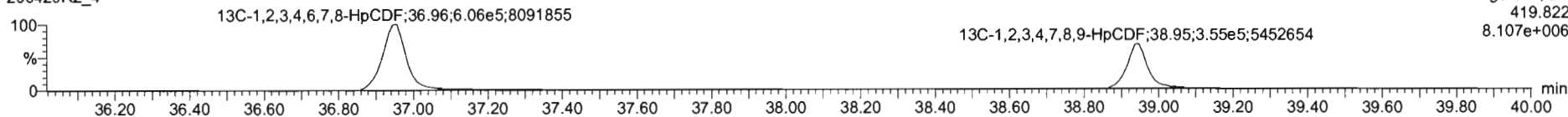


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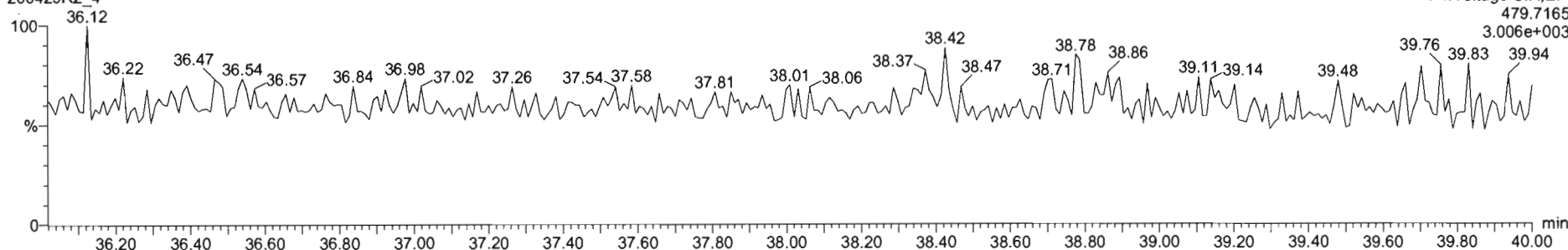


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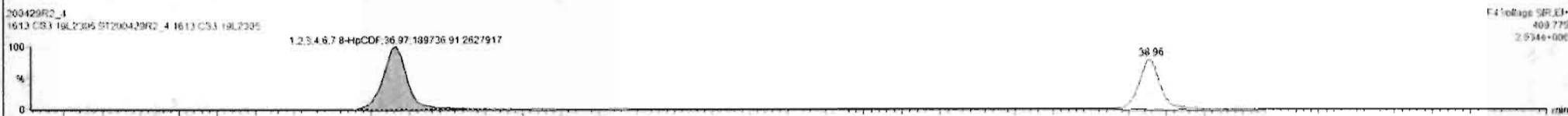


DPE4

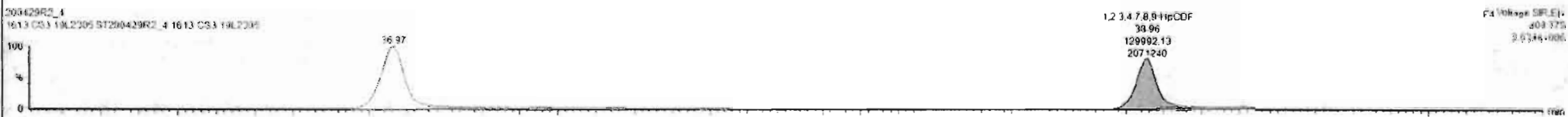
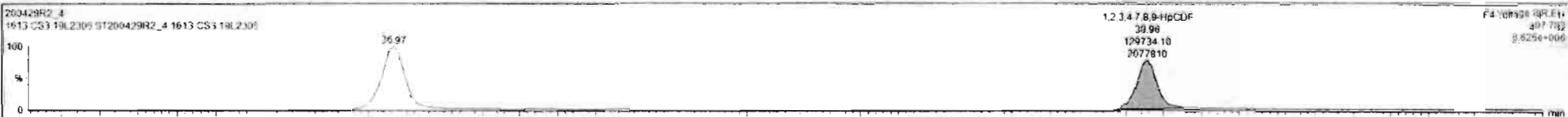
200429R2_4



#	s	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1	1,2,3,7,8-TCDD	26.07	0.751	NO	1.4250e5	1.4820e6	10.000	0.8	5.25	0.947	0.0507
2	2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.2679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	3	1,2,3,4,7,8-HxCDD	34.51	1.220	NO	4.4160e5	3.4852e5	50.000	-2.2	6.62	1.06	0.0704
4	4	1,2,3,6,7,8-HxCDD	34.60	1.202	NO	4.8927e5	1.6796e6	50.000	-0.9	6.53	0.915	0.0597
5	5	1,2,3,7,8,9-HxCDD	34.88	1.238	NO	4.1946e5	9.3381e5	50.000	-1.8	7.64	0.915	0.0699
6	6	1,2,3,4,6,7,8-HpCDD	36.36	0.988	NO	3.0769e5	6.7896e5	50.000	1.0	6.90	0.656	0.0622
7	7	OCDD	41.35	0.879	NO	5.6237e5	1.1777e6	100.000	2.8	7.57	0.933	0.0767
8	8	1,2,3,7,8-TCDF	25.11	0.743	NO	1.8505e5	2.1491e6	10.000	-2.4	5.11	0.767	0.0402
9	9	1,2,3,7,8-PeCDF	29.81	1.589	NO	8.4565e5	1.6562e6	50.000	0.0	5.86	0.910	0.0533
10	10	1,2,3,4,7,8-PeCDF	30.80	1.558	NO	8.7458e5	1.6179e6	50.000	-0.4	4.98	0.966	0.0461
11	11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0668
12	12	1,2,3,6,7,8-HxCDF	33.78	1.173	NO	5.5706e5	1.2611e6	50.000	1.2	7.23	0.874	0.0632
13	13	1,2,3,4,6,7,8-HxCDF	34.33	1.170	NO	5.4191e5	1.1799e6	50.000	3.2	7.69	0.922	0.0709
14	14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2924e5	50.000	0.2	5.96	0.864	0.0517
15	15	1,2,3,4,6,7,8-HpCDF	36.87	0.962	NO	3.7234e5	6.6465e5	50.000	-1.2	7.54	0.871	0.0657
16	16	1,2,3,4,7,8,9-HpCDF	38.98	0.998	NO	2.5673e5	5.1182e5	50.000	0.3	6.62	1.01	0.0670
17	17	OCDF	41.53	0.862	NO	5.3639e5	1.3198e6	100.000	1.3	7.16	0.802	0.0575



#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.761	NO	1.4250e5	1.4920e5	10.000	0.0	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.3679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.220	NO	4.4168e5	8.4852e5	50.000	-2.2	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.60	1.202	NO	4.8927e5	1.0796e6	50.000	-0.9	6.53	0.915	0.0562
5	1,2,3,7,8,9-HxCDD	34.68	1.213	NO	4.1946e5	9.3815e5	50.000	-1.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.38	0.988	NO	3.0765e5	6.7896e5	50.000	1.0	8.93	0.896	0.0622
7	OCDD	41.35	0.879	NO	5.6237e5	1.1777e6	100.000	2.5	7.57	0.933	0.0707
8	2,2,7,8-TCDF	25.11	0.743	NO	1.8505e5	2.1491e5	10.000	-2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.589	NO	8.4585e5	1.6582e6	50.000	0.0	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.98	0.968	0.0461
11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.173	NO	5.5706e5	1.2E11e6	50.000	1.2	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.170	NO	5.4197e5	1.1999e6	50.000	3.2	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2924e5	50.000	0.2	5.96	0.804	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.962	NO	3.7274e5	8.6485e5	50.000	-1.2	7.54	0.671	0.0657
16	1,2,3,4,7,8,9-HxCDF	38.96	0.998	NO	2.5973e5	5.1163e5	50.000	0.3	6.62	1.01	0.0670
17	OCDF	41.53	0.862	NO	5.7639e5	1.3198e6	100.000	1.3	7.16	0.802	0.0575



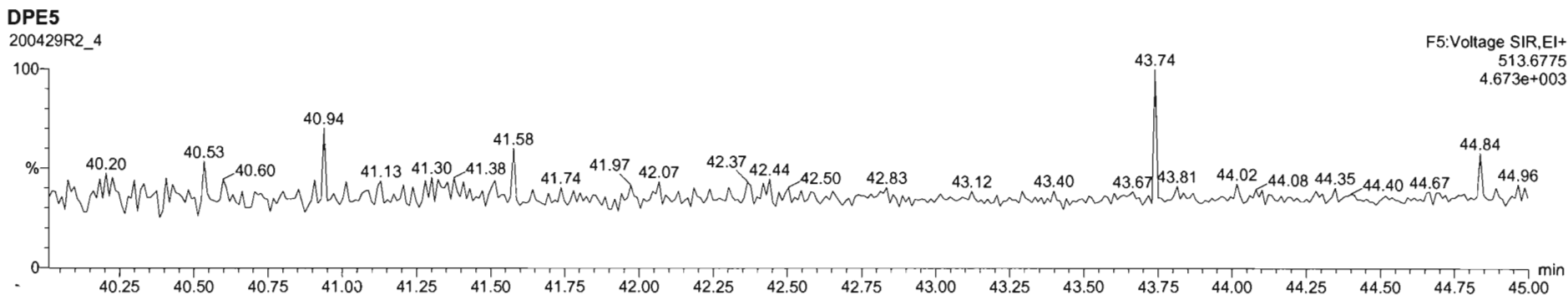
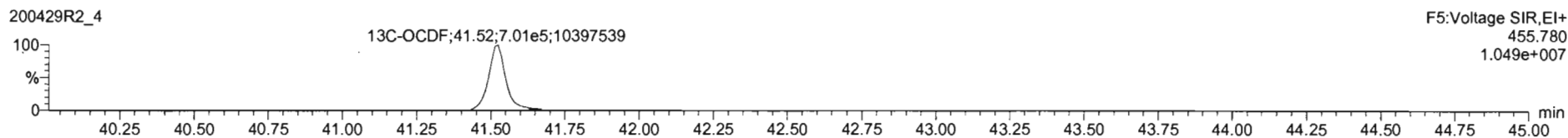
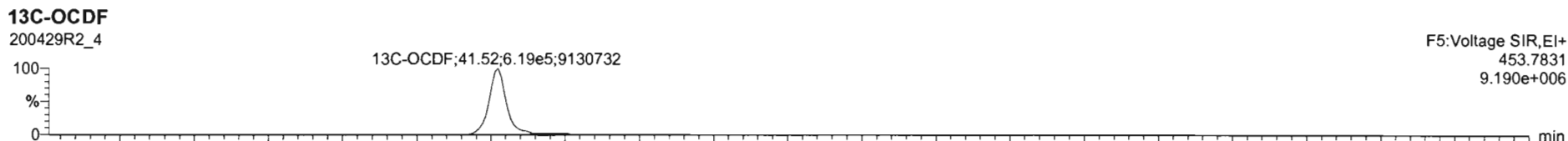
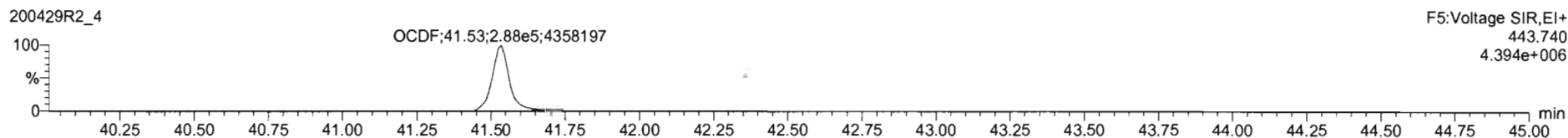
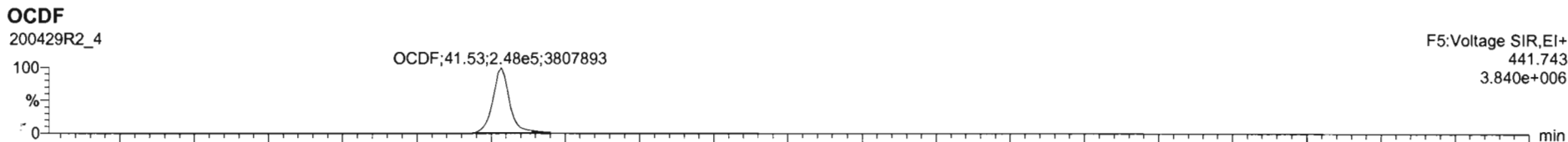
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200429R2_4 CAP NUM

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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

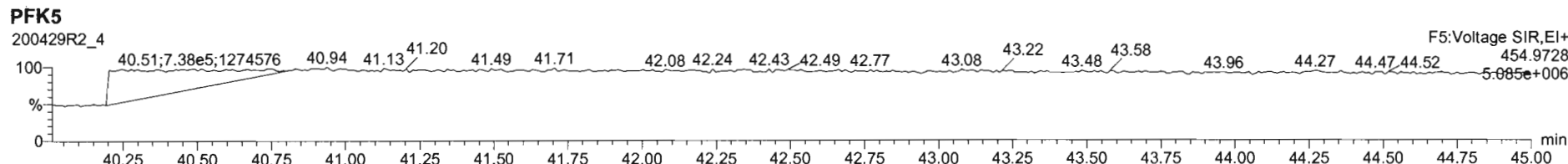
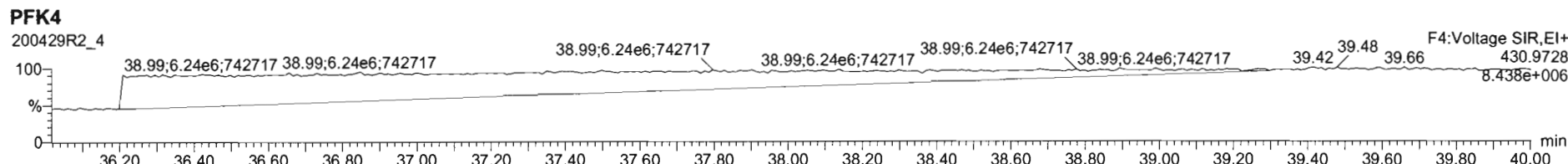
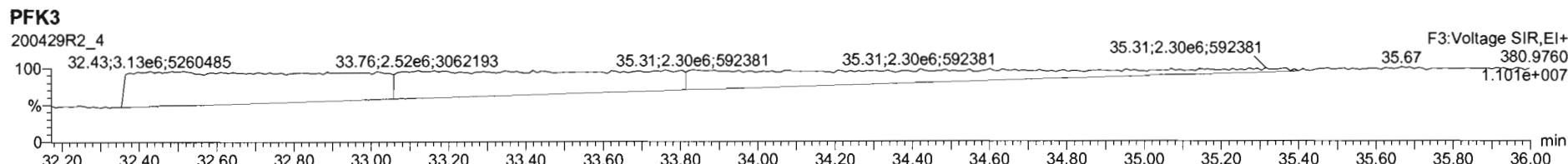
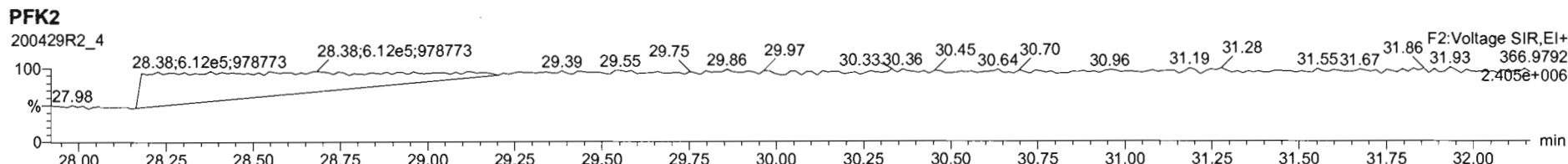
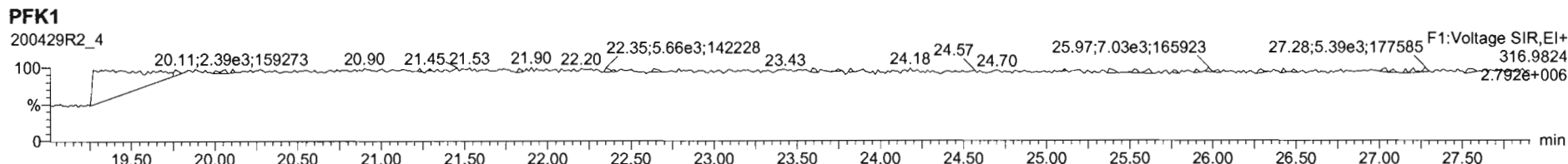
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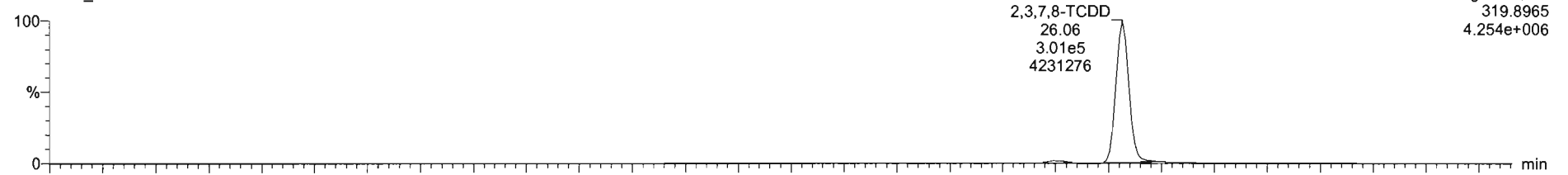
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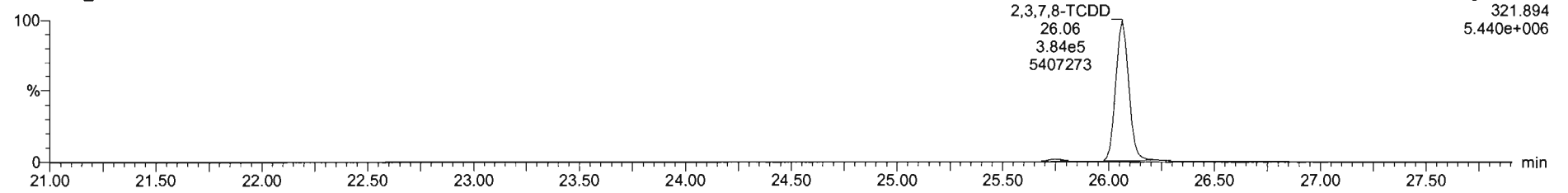
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2,3,7,8-TCDD

200429R2_5

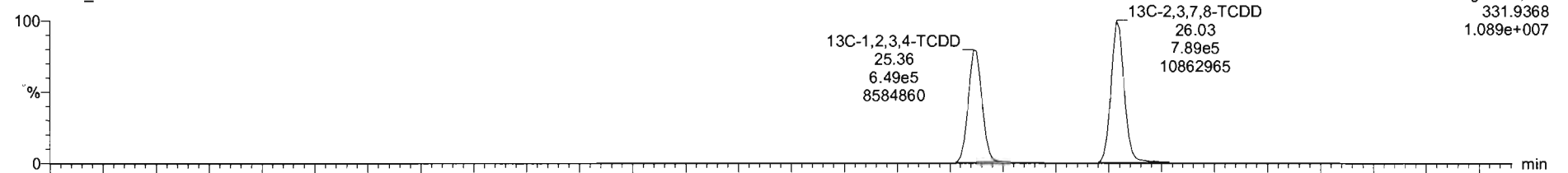


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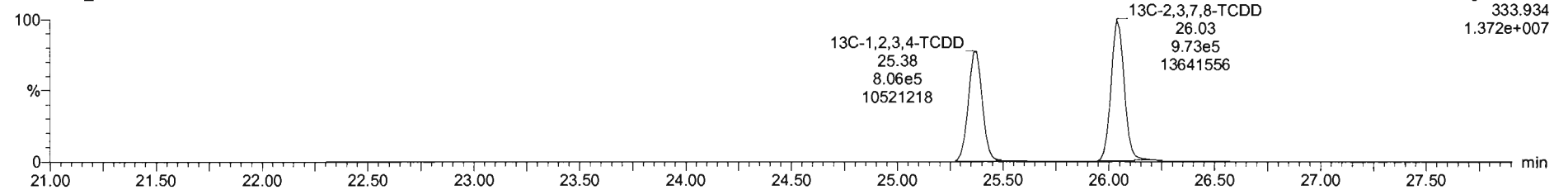


13C-2,3,7,8-TCDD

200429R2_5



200429R2_5



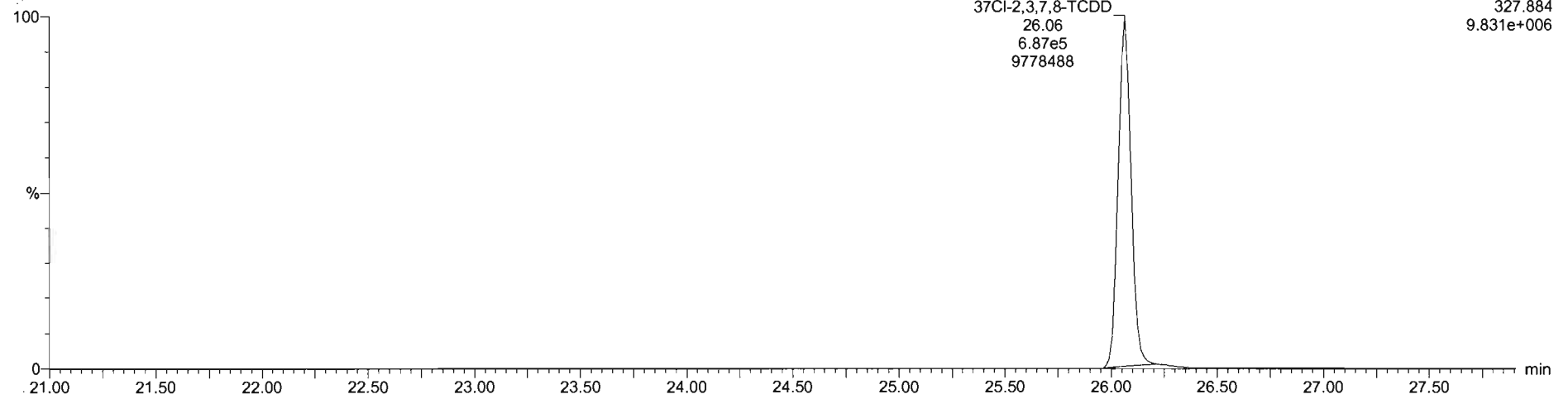
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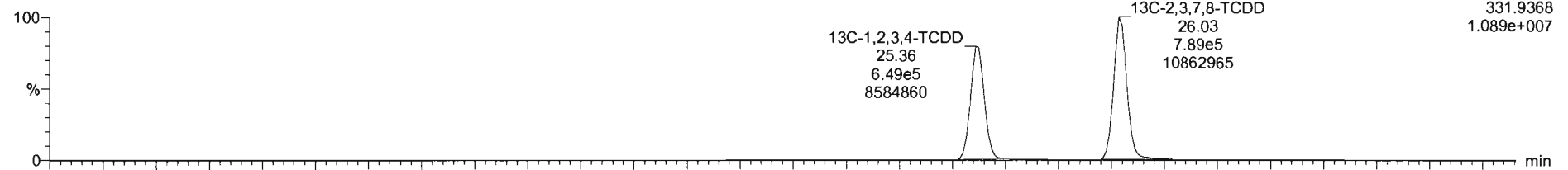
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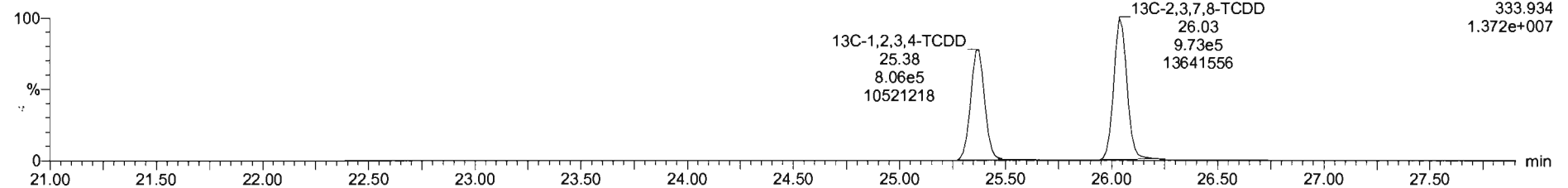


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200429R2_5



200429R2_5



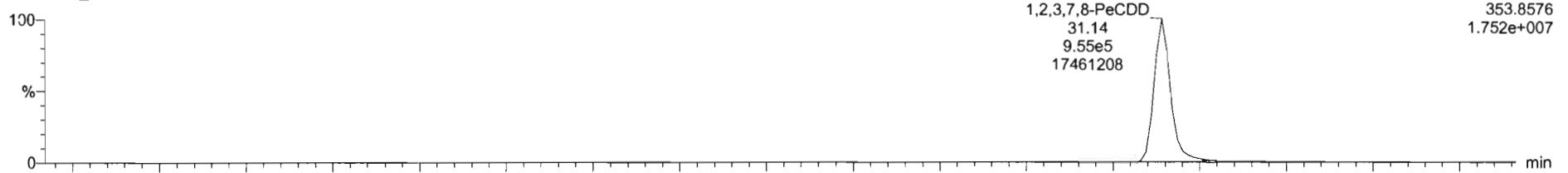
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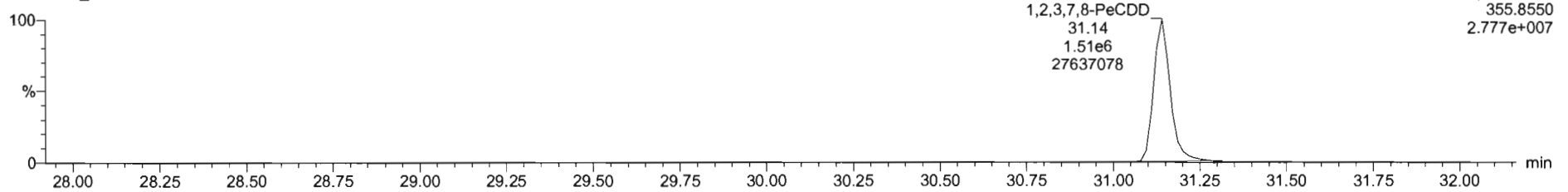
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1,2,3,7,8-PeCDD

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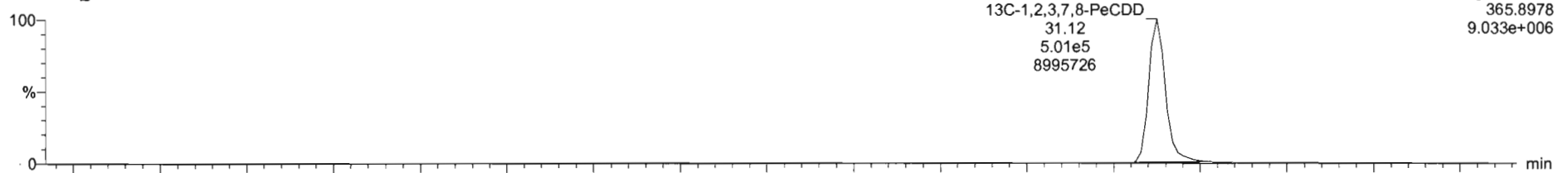


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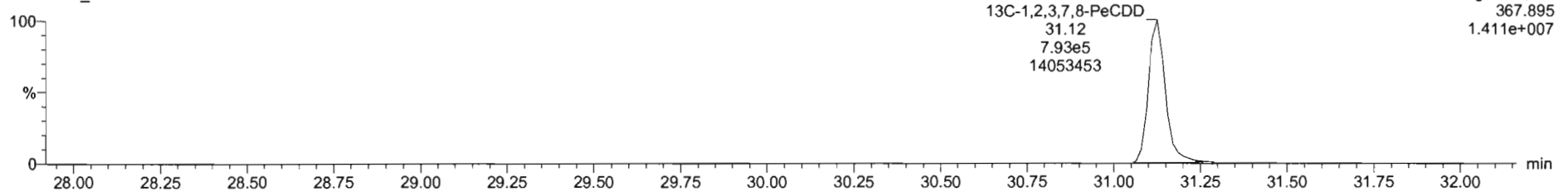


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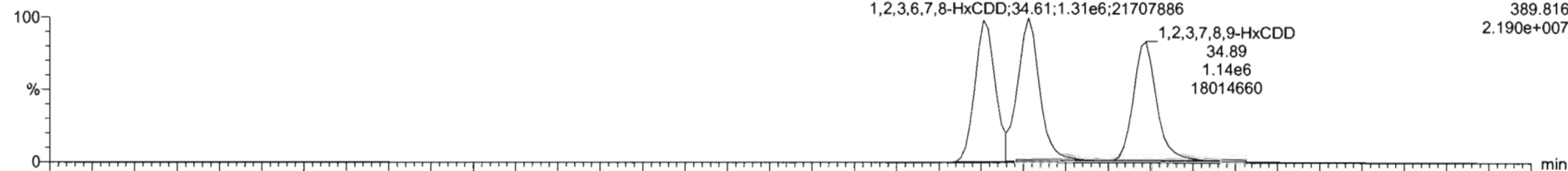
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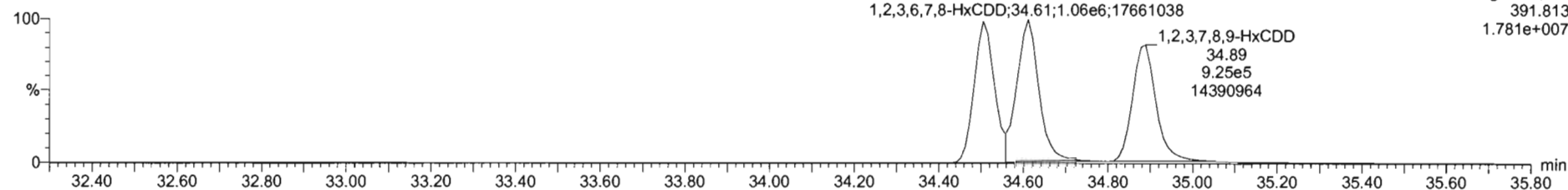
1,2,3,4,7,8-HxCDD

200429R2_5



F3:Voltage SIR,EI+
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2.190e+007

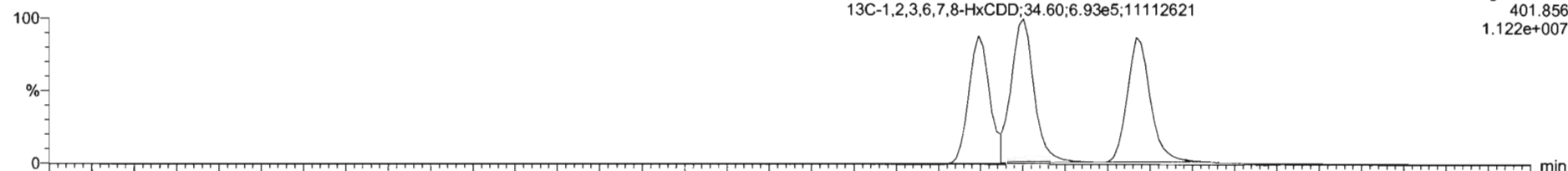
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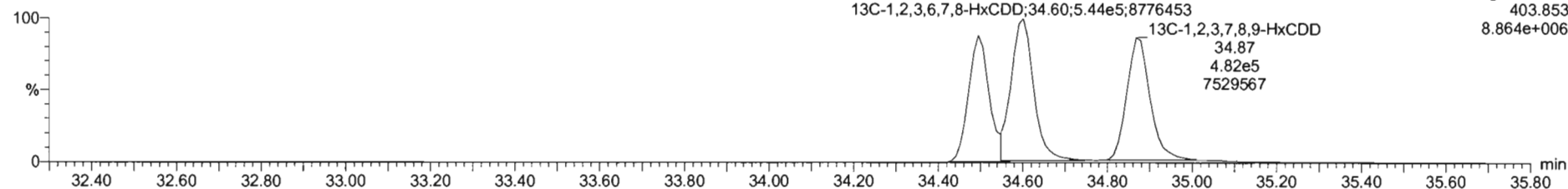
13C-1,2,3,4,7,8-HxCDD

200429R2_5



F3:Voltage SIR,EI+
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200429R2_5



F3:Voltage SIR,EI+
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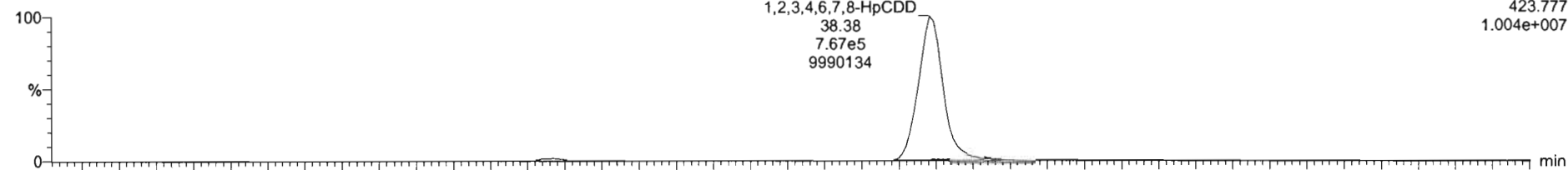
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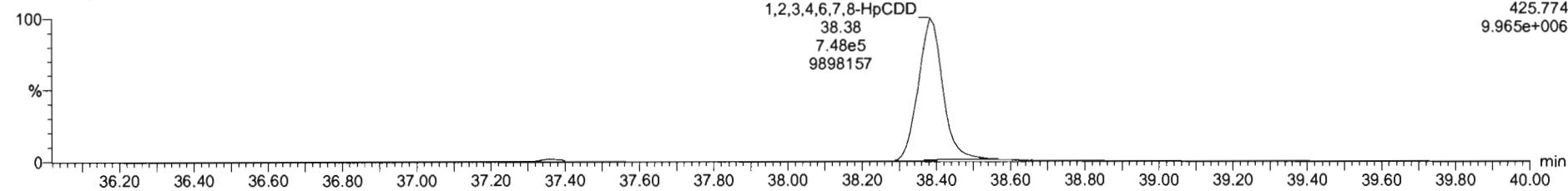
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1,2,3,4,6,7,8-HpCDD

200429R2_5

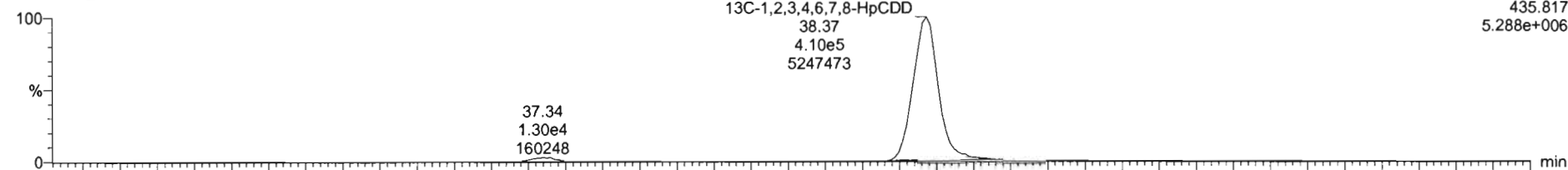


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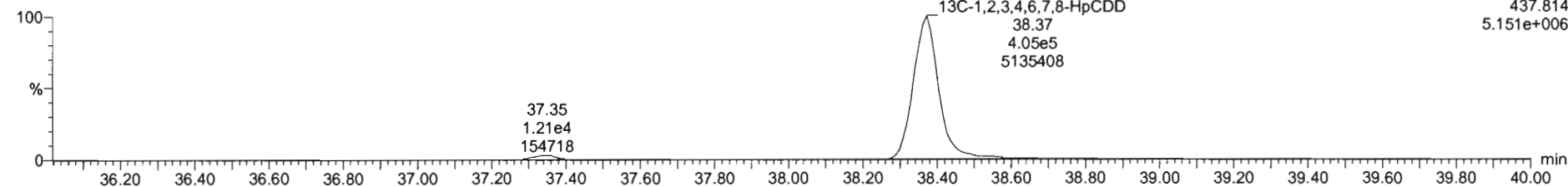


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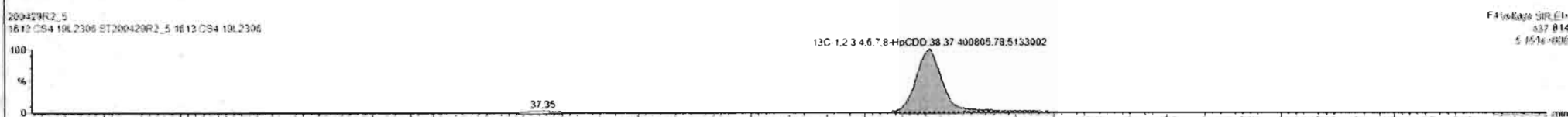
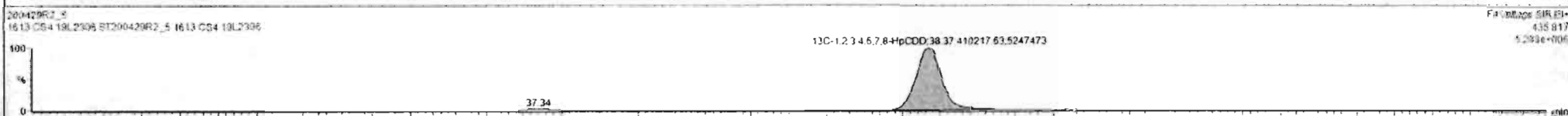
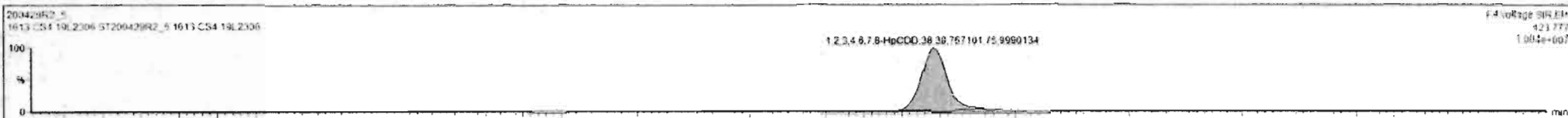
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200429R2_5



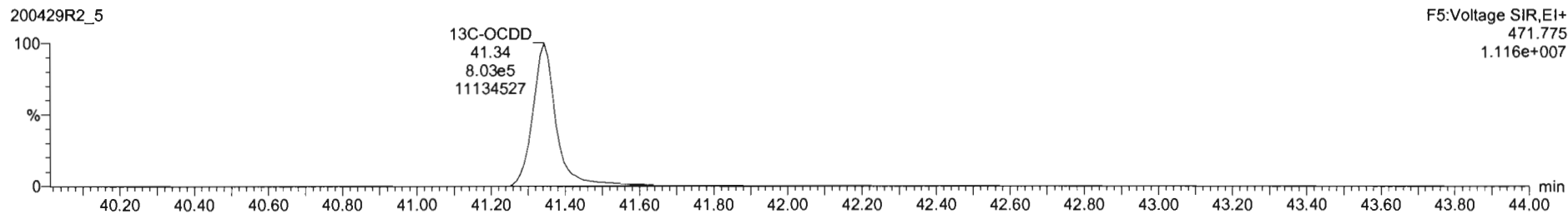
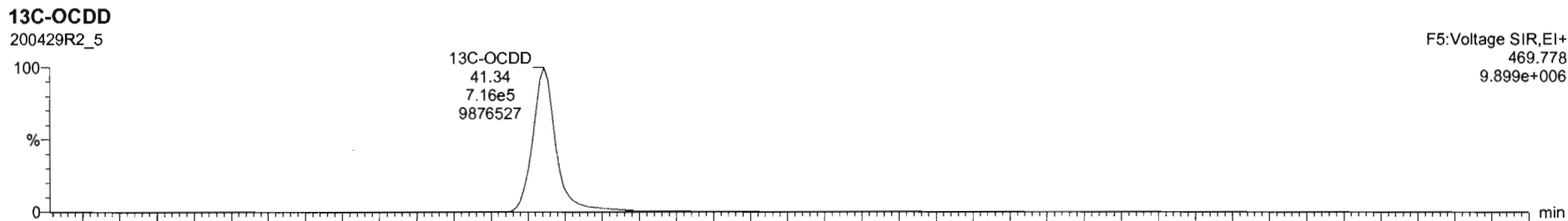
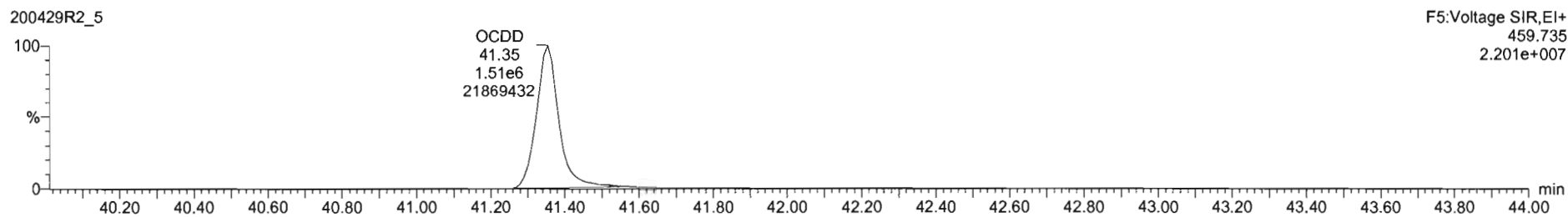
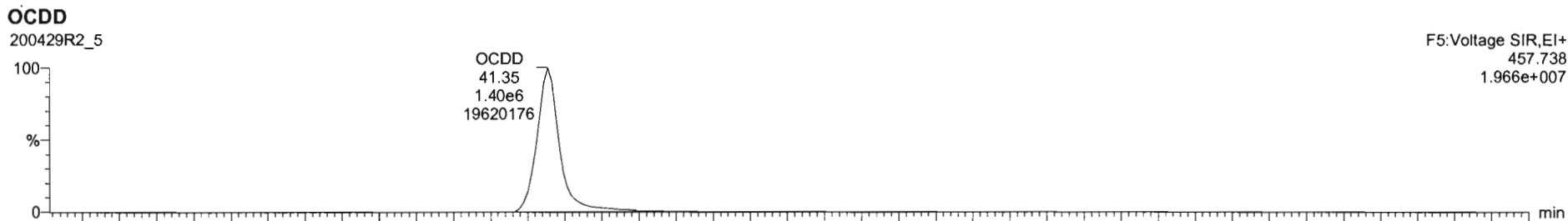
#	Name	RT	RA	y/h	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.795	NO	6.8521e5	1.7e18e6	40.000	3.6	5.35	0.947	0.0587
2	1,2,3,7,8-PeCDD	31.14	0.833	NO	2.4650e6	1.2646e6	200.000	1.0	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.230	NO	2.1431e6	9.8215e5	200.000	1.5	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.81	1.231	NO	2.3754e6	1.2370e6	200.000	5.0	4.53	0.915	0.0552
5	1,2,3,7,8,9-HxCDD	34.85	1.237	NO	2.0699e6	1.0660e6	200.000	4.2	7.64	0.915	0.0659
6	1,2,3,4,6,7,8-HpCDD	38.38	1.829	NO	1.5155e6	8.1102e5	200.000	4.1	6.93	0.838	0.0622
7	OCDD	41.35	0.902	NO	2.8733e6	1.4988e6	400.000	2.7	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.12	0.745	NO	8.1175e5	2.5172e6	40.000	2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.82	1.552	NO	3.6390e6	2.0740e6	200.000	1.7	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.82	1.546	NO	3.6695e6	2.0111e6	200.000	2.1	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.54	1.188	NO	2.3412e6	1.3061e6	200.000	2.1	7.59	0.878	0.0698
12	1,2,3,6,7,8-HxCDF	33.77	1.194	NO	2.8213e6	1.4697e6	200.000	2.7	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.186	NO	2.4894e6	1.3107e6	200.000	3.0	7.69	0.922	0.0769
14	1,2,3,7,8,9-HxCDF	35.22	1.184	NO	1.5694e6	1.1096e6	200.000	3.7	5.98	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.991	NO	1.7927e6	9.8074e5	200.000	3.0	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.96	0.995	NO	1.2500e6	8.0928e5	200.000	4.7	6.62	1.01	0.0670
17	OCDF	41.53	0.809	NO	2.8428e6	1.6875e6	400.000	5.0	7.16	0.862	0.0575



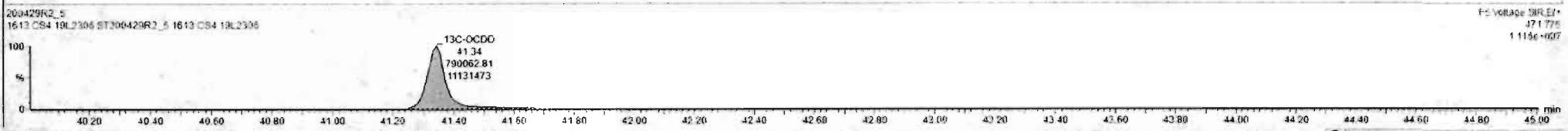
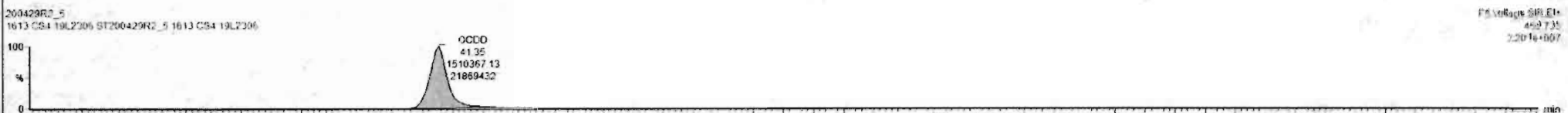
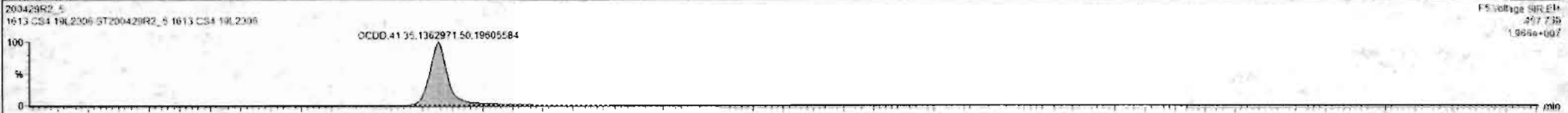
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

Name: 200429R2_5, Date: 29-Apr-2020, Time: 16:35:58, ID: ST200429R2_5 1613 CS4 19L2306, Description: 1613 CS4 19L2306



#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	2,3,7,8-TCDD	28.07	0.785	NO	6.6521e5	1.7418e6	40.000	2.0	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.14	0.633	NO	2.4650e5	1.2946e6	200.000	1.0	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.230	NO	2.1431e6	9.5215e5	200.000	1.5	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.81	1.233	NO	2.3754e6	1.2270e6	200.000	5.0	6.53	0.915	0.0592
5	1,2,3,7,8,9-HxCDD	34.89	1.237	NO	2.0659e5	1.0860e5	200.000	4.2	7.64	0.915	0.0656
6	1,2,3,4,6,7,8-HpCDD	36.38	1.025	NO	1.5155e6	5.1102e5	200.000	4.1	6.92	0.856	0.0520
7	OCDD	41.35	0.962	ND	2.8733e6	1.4889e6	400.000	2.7	7.57	0.833	0.0767
8	2,3,7,8-TCDF	25.12	0.745	NO	8.1175e5	2.5172e6	40.000	2.4	5.11	0.767	0.0462
9	1,2,3,7,8-PeCDF	29.83	1.552	NO	3.6390e6	2.0740e6	200.000	1.7	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.82	1.546	NO	3.9655e6	2.0111e6	200.000	2.1	4.96	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.158	NO	2.3412e6	1.3061e6	200.000	2.1	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.77	1.194	NO	2.6213e6	1.4607e6	200.000	2.7	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.186	NO	2.4894e6	1.3107e6	200.000	3.0	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.22	1.194	NO	1.9654e6	1.1056e6	200.000	3.7	5.98	0.864	0.0512
15	1,2,3,4,6,7,8-HpCDF	36.97	0.991	NO	1.7927e6	9.8074e5	200.000	5.0	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.96	0.965	NO	1.2500e6	6.9528e5	200.000	4.7	6.62	1.01	0.0670
17	OCDF	41.53	0.869	NO	2.8428e6	1.6673e6	400.000	5.0	7.16	0.802	0.0575



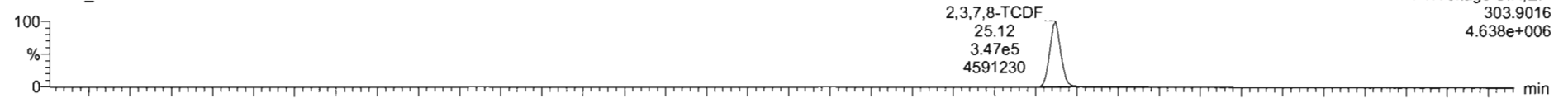
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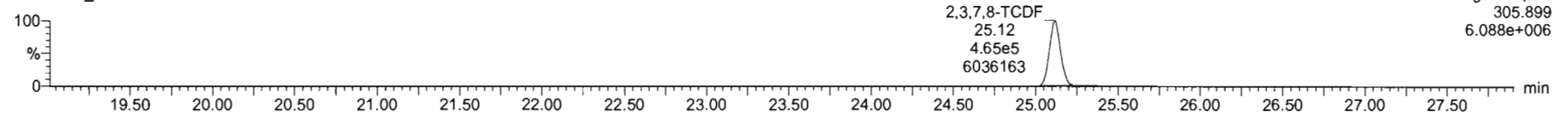
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2,3,7,8-TCDF

200429R2_5

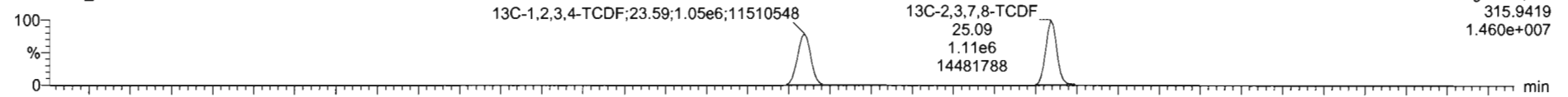


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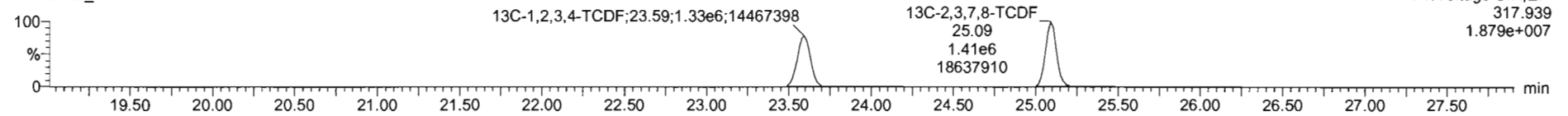


13C-2,3,7,8-TCDF

200429R2_5

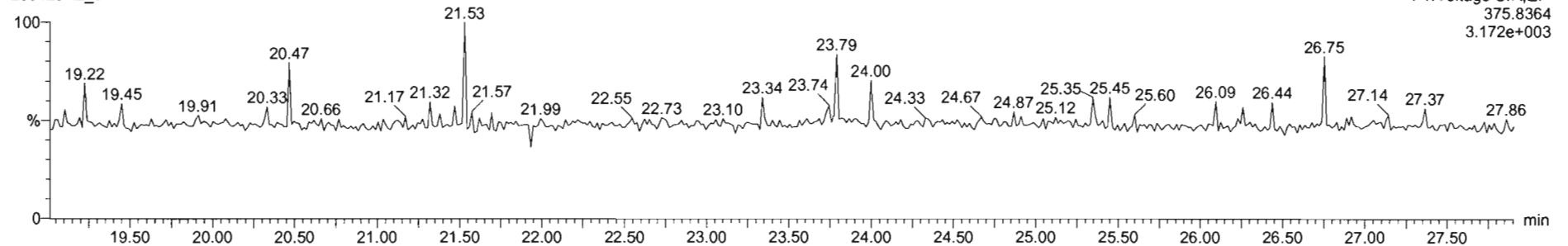


200429R2_5



DPE1

200429R2_5



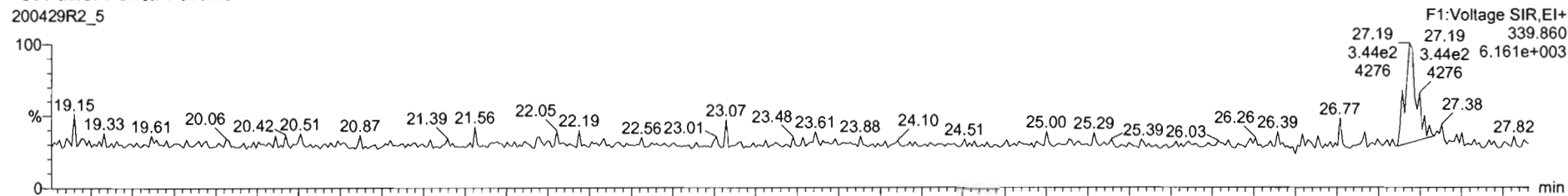
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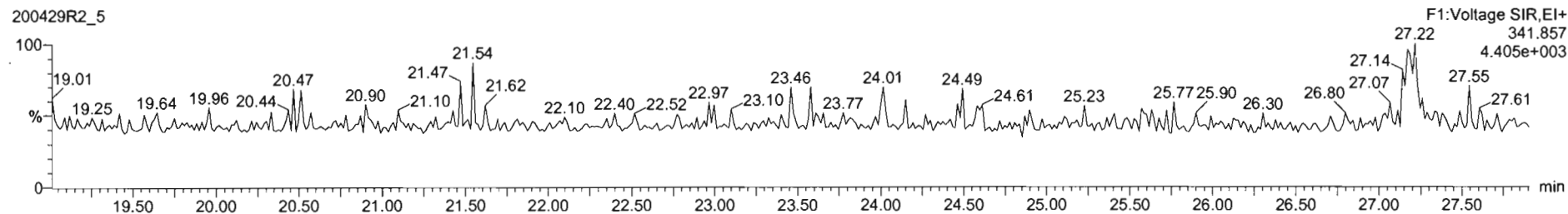
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200429R2_5

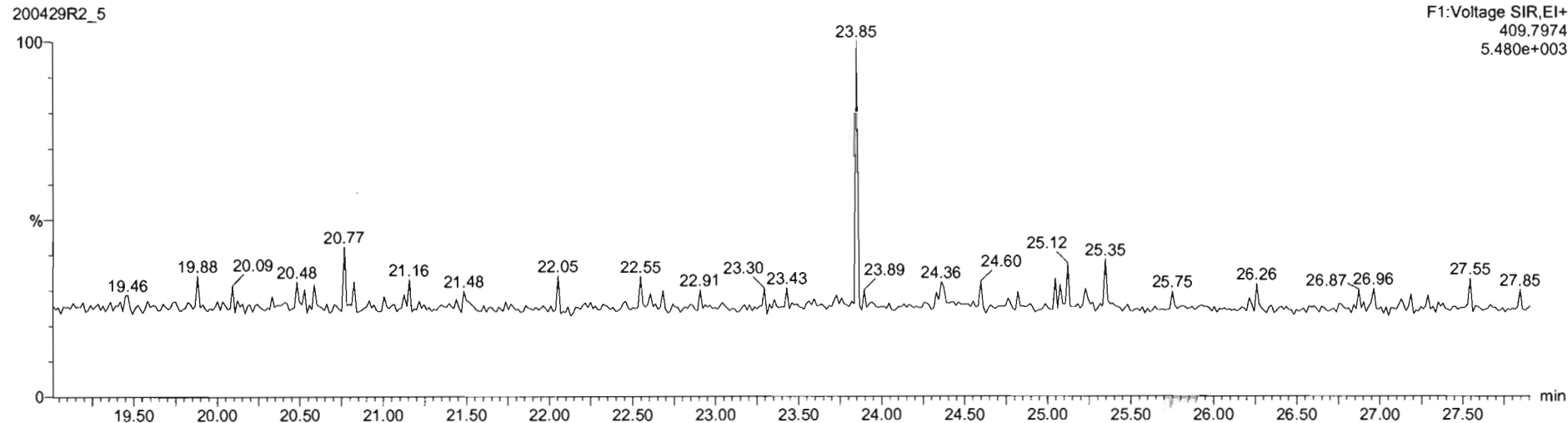


200429R2_5



DPE6

200429R2_5



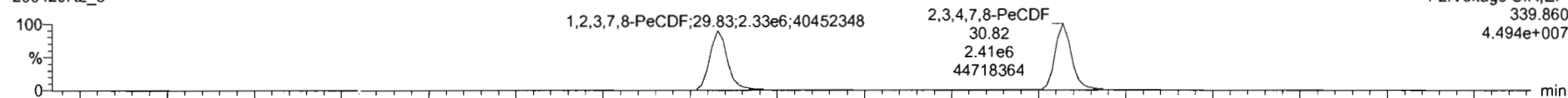
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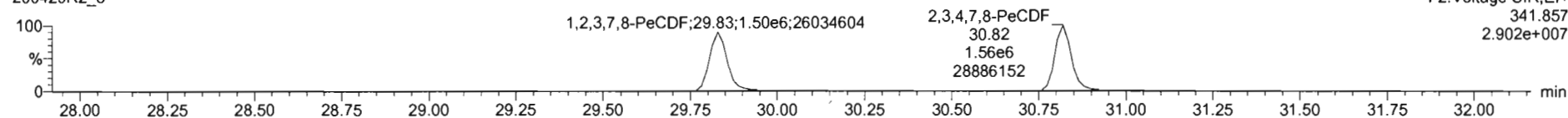
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1,2,3,7,8-PeCDF

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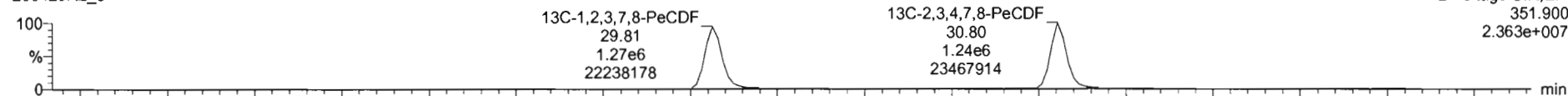


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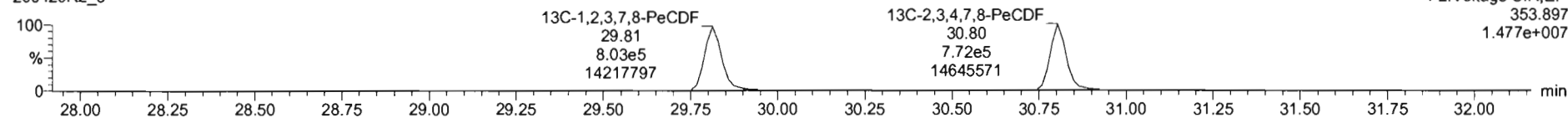


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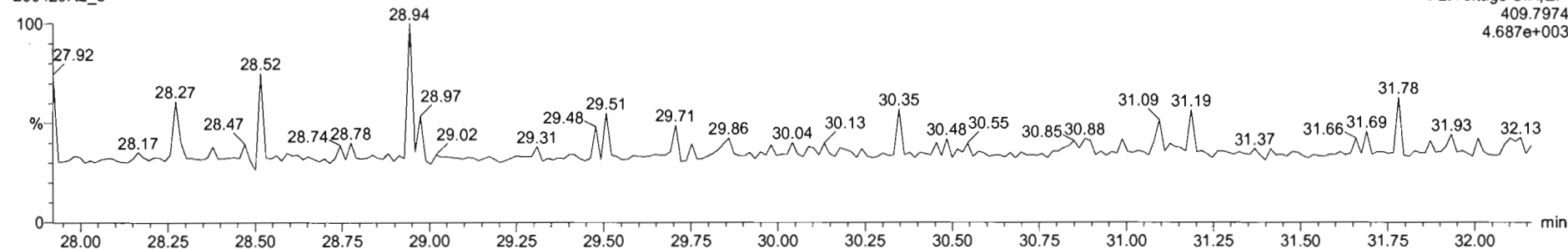


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DPE2

200429R2_5



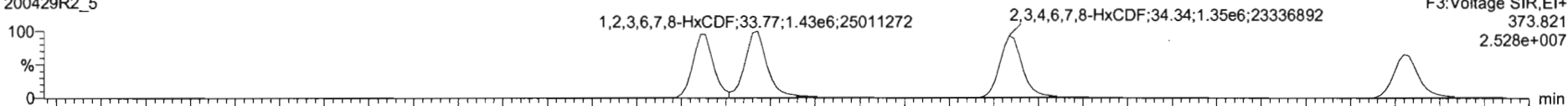
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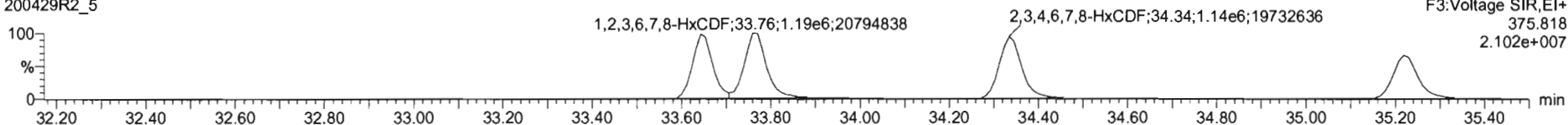
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1,2,3,4,7,8-HxCDF

200429R2_5

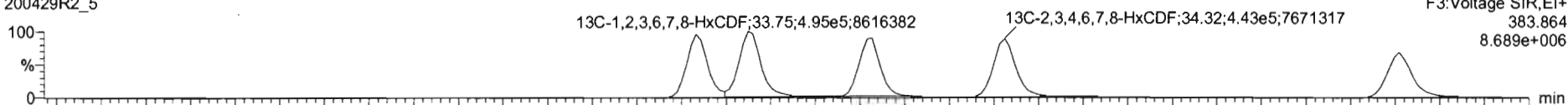


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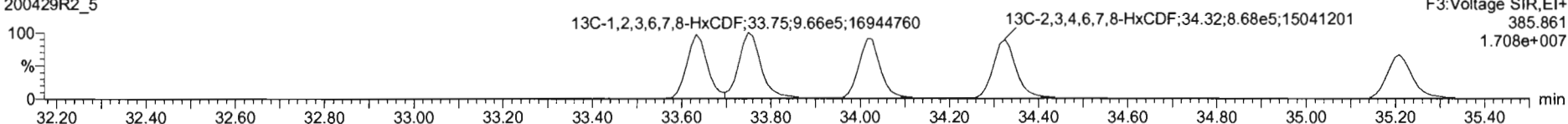


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200429R2_5

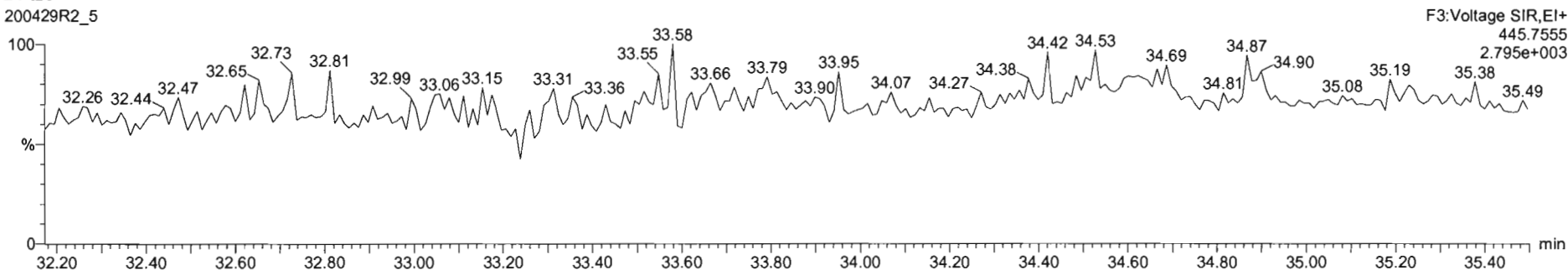


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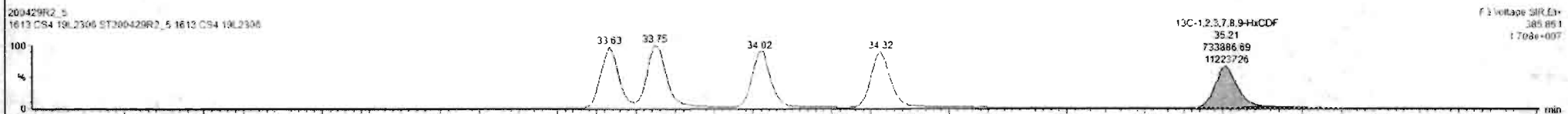
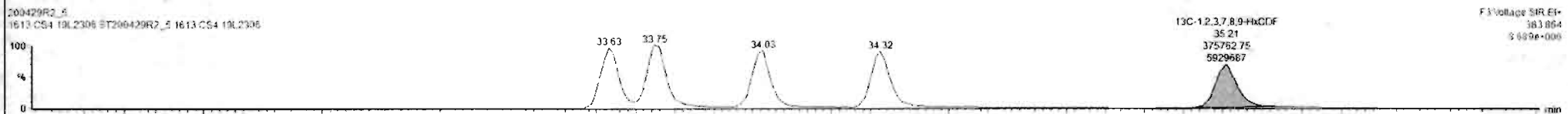


DPE3

200429R2_5



#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.97	0.785	NO	6.6521e5	1.7418e6	40.000	2.6	5.25	0.947	0.0597
2	1,2,3,7,8-PeCDD	31.14	0.633	NO	2.4650e6	1.2646e6	200.000	1.0	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.230	NO	2.1431e6	9.9215e5	200.000	1.5	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.81	1.233	NO	2.3754e6	1.2270e6	200.000	5.0	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.89	1.237	NO	2.0699e6	1.0860e6	200.000	4.2	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	38.38	1.025	NO	1.5155e6	5.1102e5	200.000	4.1	8.93	0.896	0.0622
7	OCDD	41.35	0.902	NO	2.8733e6	1.4988e6	400.000	2.7	7.57	0.933	0.0767
8	2,3,7,8-TCDF	25.12	0.745	NO	3.1175e5	2.5172e5	40.000	2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.82	1.552	NO	3.6390e6	2.0740e6	200.000	1.7	5.86	0.910	0.0523
10	2,3,4,7,8-PeCDF	30.82	1.548	NO	3.9695e6	2.0111e6	200.000	2.1	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.188	NO	2.3412e6	1.2061e6	200.000	2.1	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.77	1.194	NO	2.6213e6	1.4607e6	200.000	2.7	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.199	NO	2.4894e6	1.3107e6	200.000	3.0	7.69	0.922	0.0769
14	1,2,3,7,8,9-HxCDF	35.22	1.194	NO	4.9084e6	1.1096e6	200.000	3.7	5.28	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.991	NO	1.7937e6	9.8074e5	200.000	5.0	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.96	0.885	NO	1.2900e6	6.6628e5	200.000	4.7	6.62	1.01	0.0670
17	OCDF	41.53	0.869	NO	2.8428e6	1.6675e6	400.000	5.0	7.16	0.802	0.0575



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200429R2_5 CAP NUM

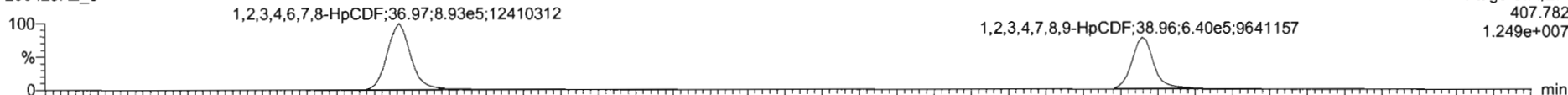
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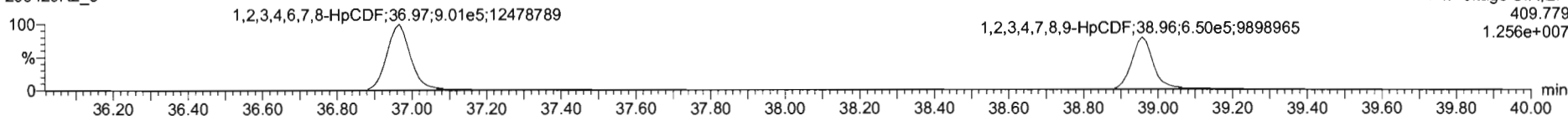
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1,2,3,4,6,7,8-HpCDF

200429R2_5

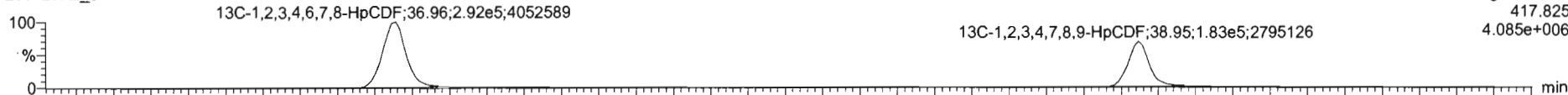


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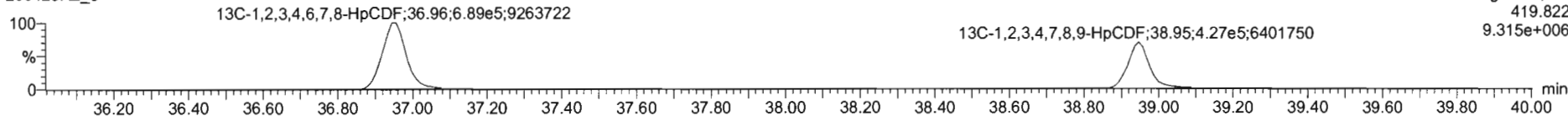


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200429R2_5

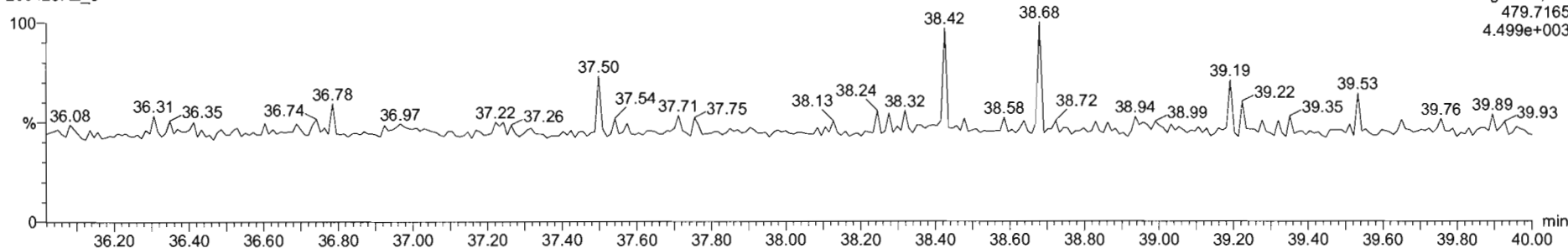


200429R2_5



DPE4

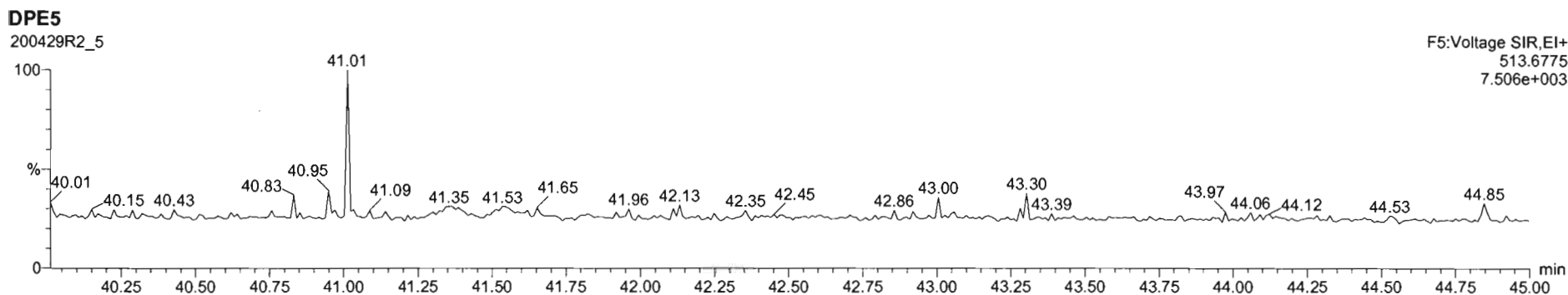
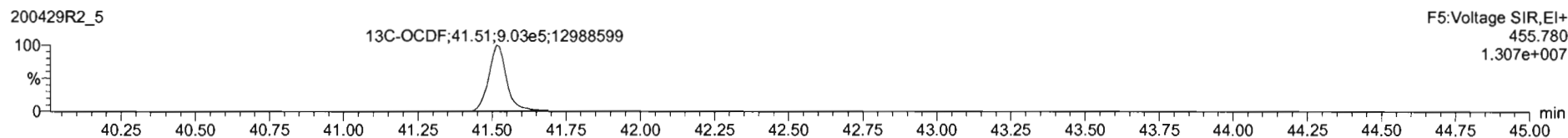
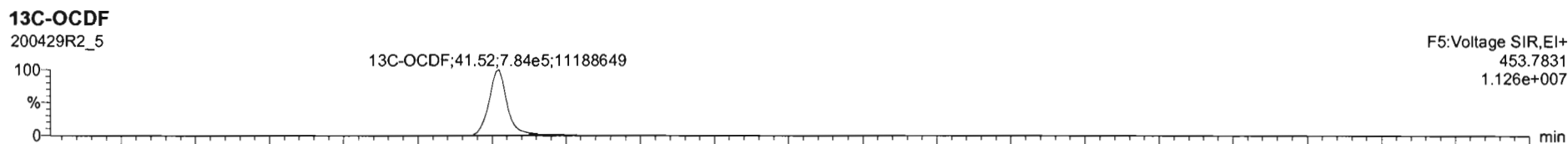
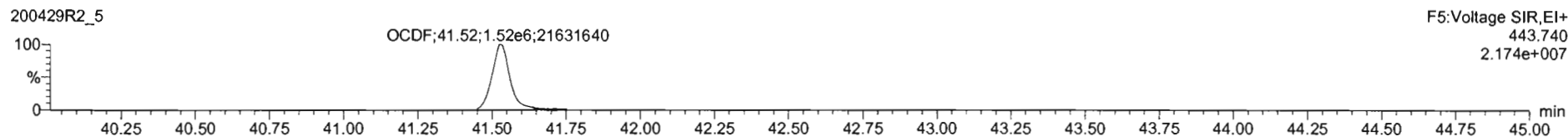
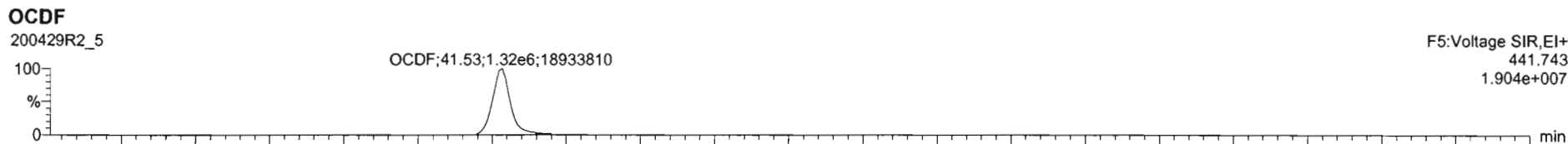
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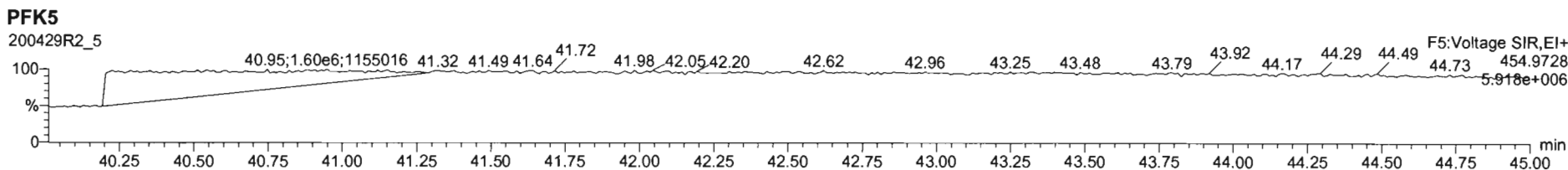
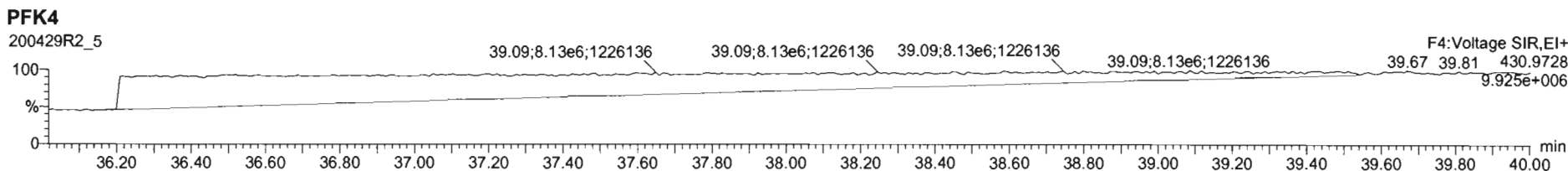
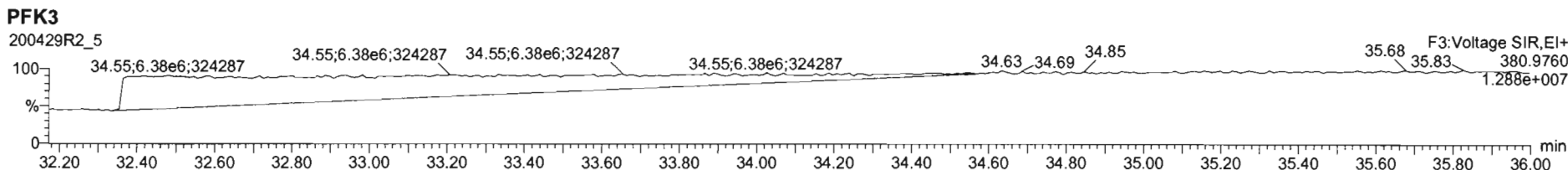
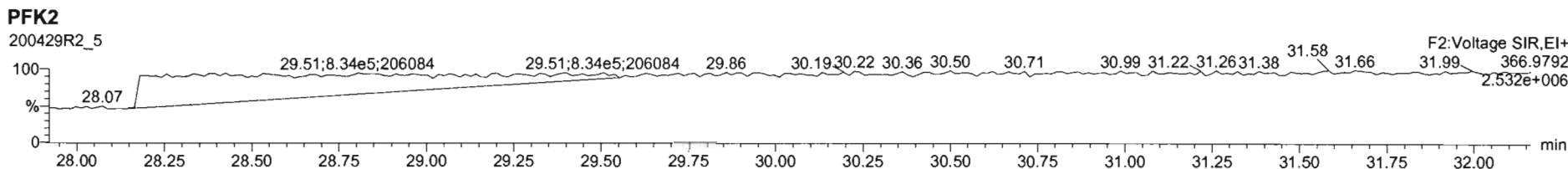
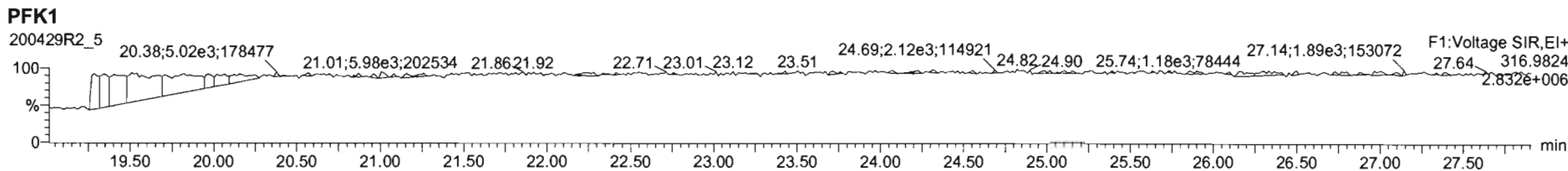


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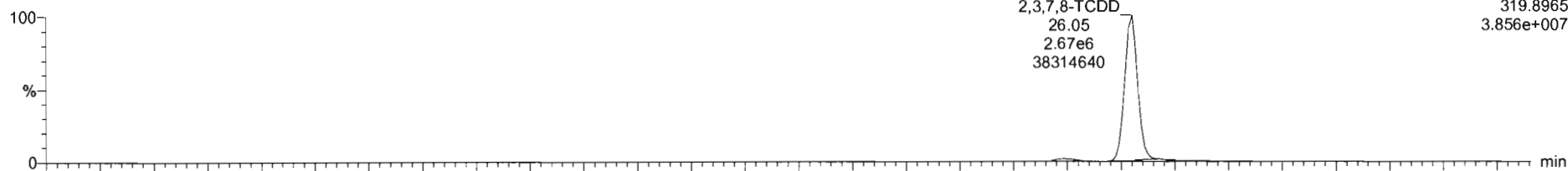
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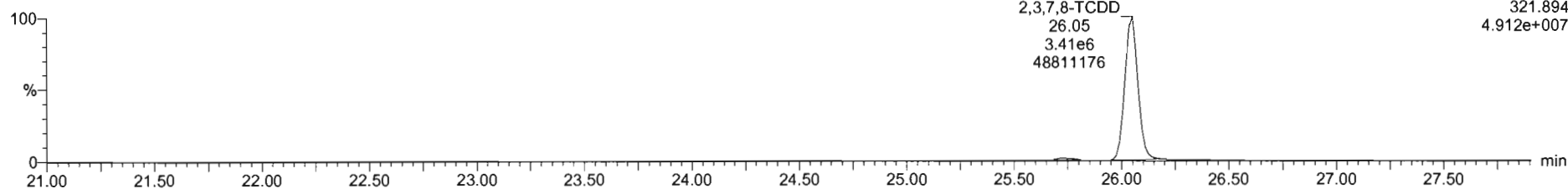
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2,3,7,8-TCDD

200429R2_6

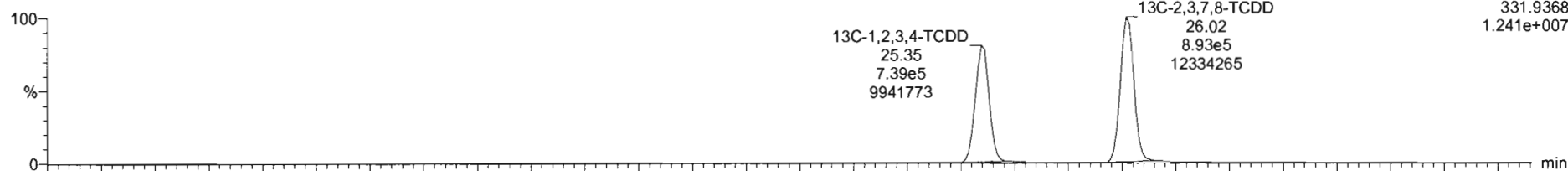


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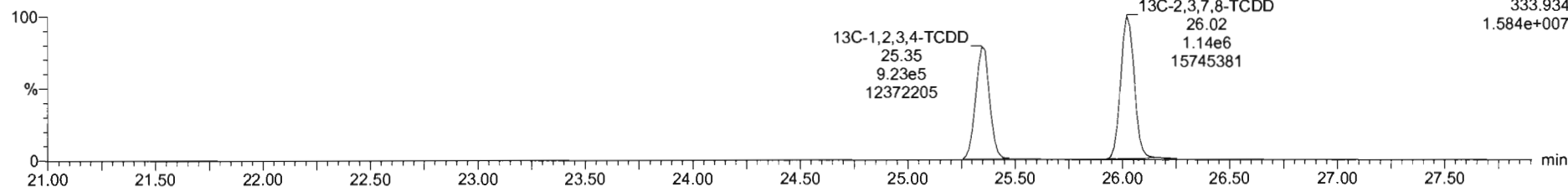


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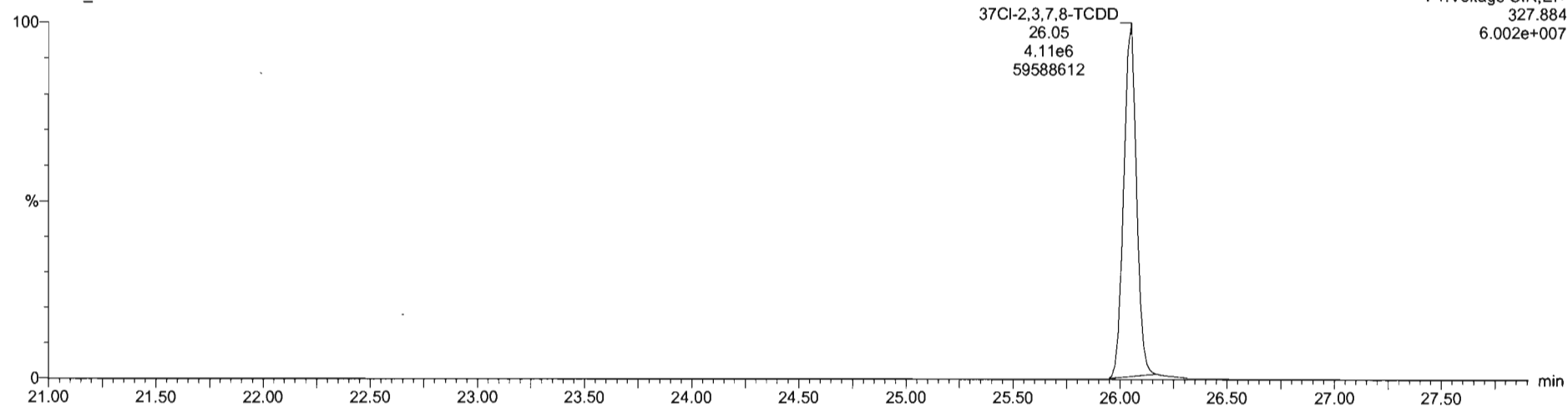
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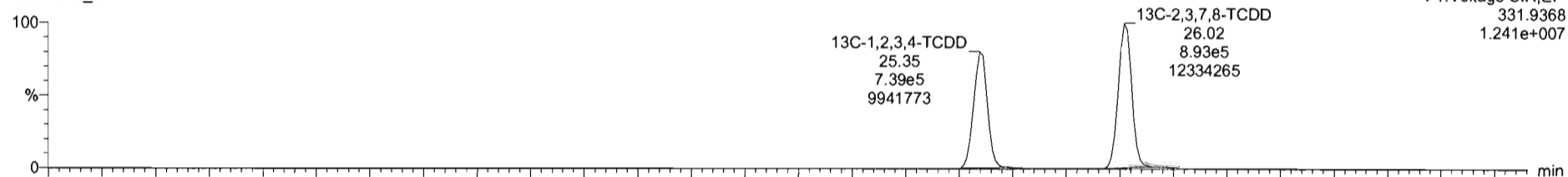
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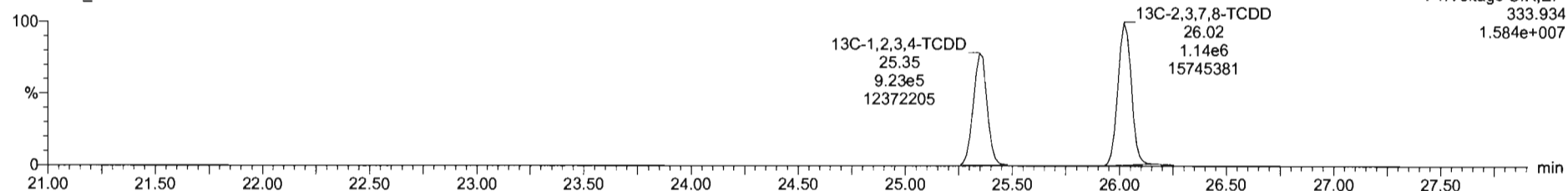


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200429R2_6



200429R2_6



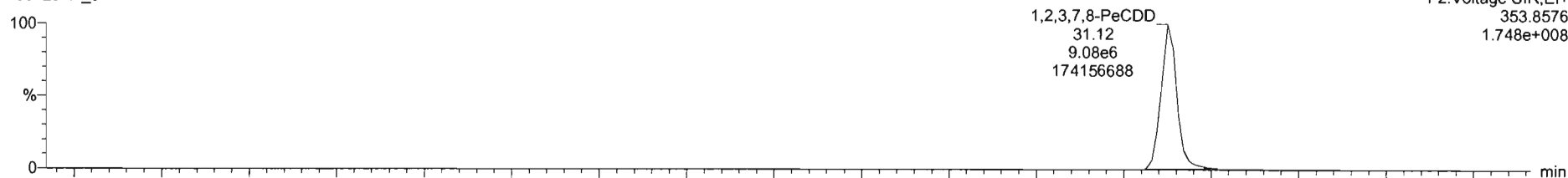
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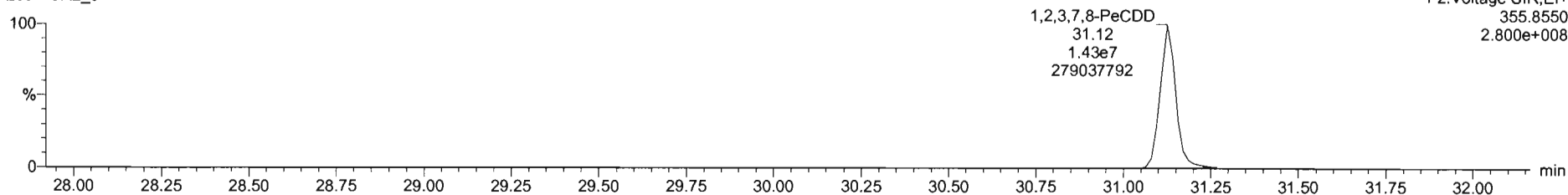
Name: 200429R2_6, Date: 29-Apr-2020, Time: 17:23:21, ID: ST200429R2_6 1613 CS5 19L2307, Description: 1613 CS5 19L2307

1,2,3,7,8-PeCDD

200429R2_6

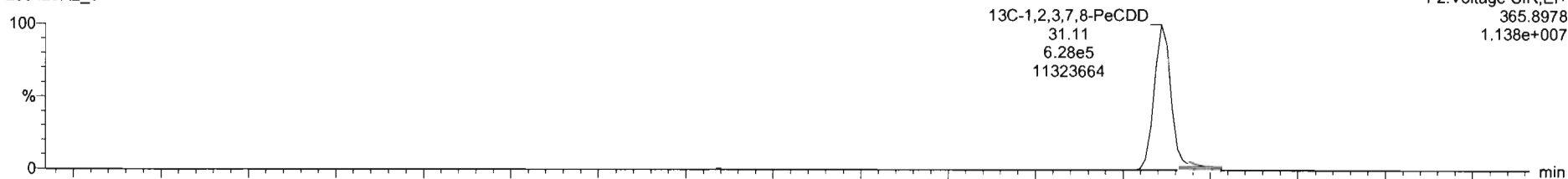


200429R2_6

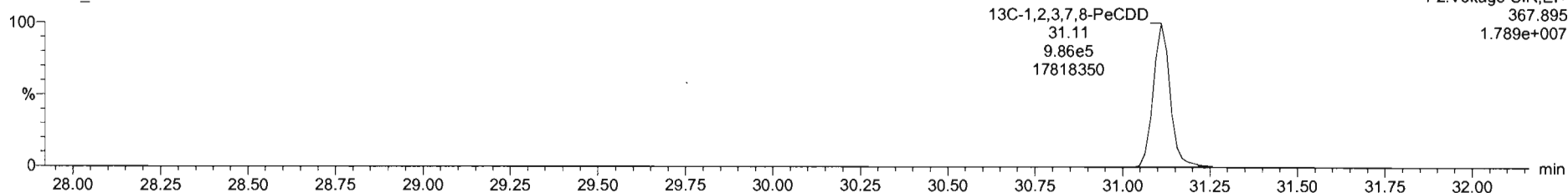


13C-1,2,3,7,8-PeCDD

200429R2_6



200429R2_6



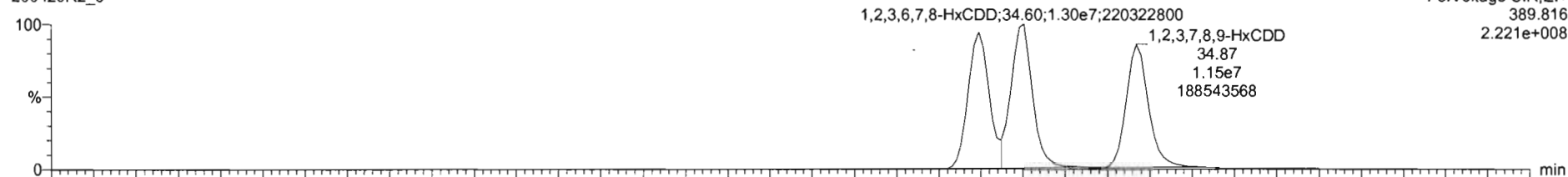
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

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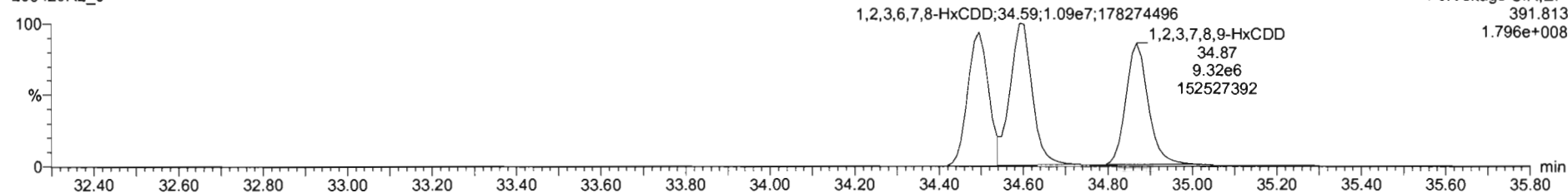
1,2,3,4,7,8-HxCDD

200429R2_6



F3:Voltage SIR,EI+
389.816
2.221e+008

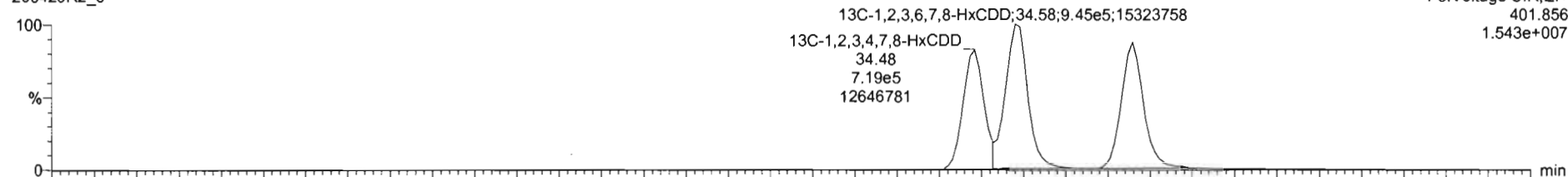
200429R2_6



F3:Voltage SIR,EI+
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1.796e+008

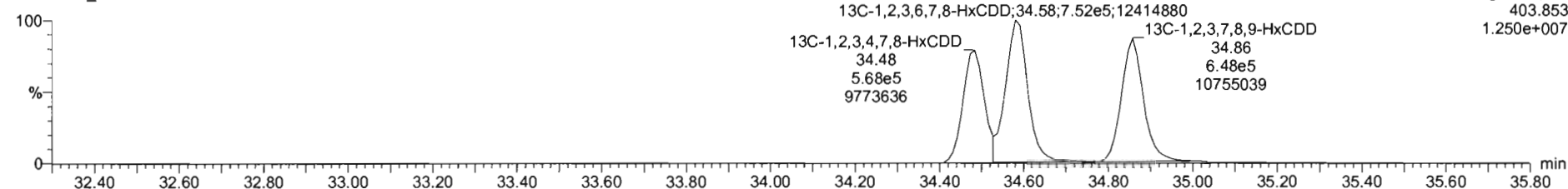
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200429R2_6



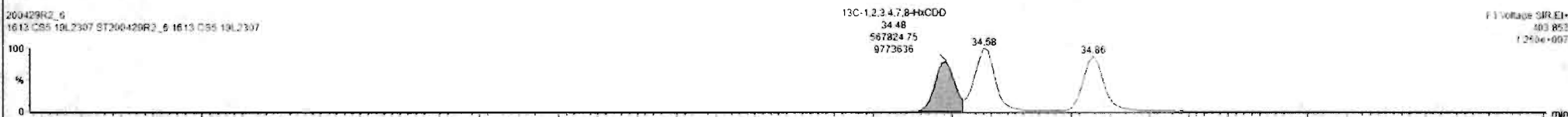
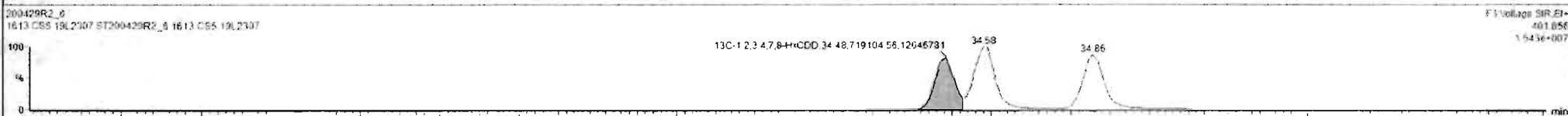
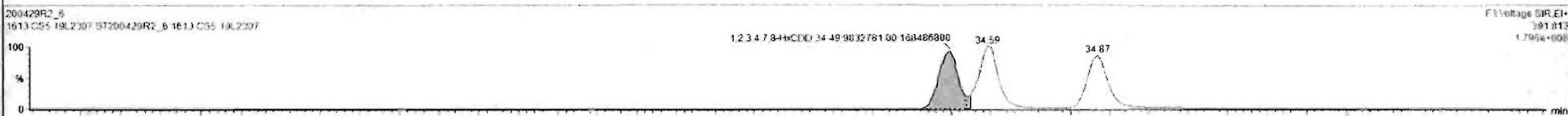
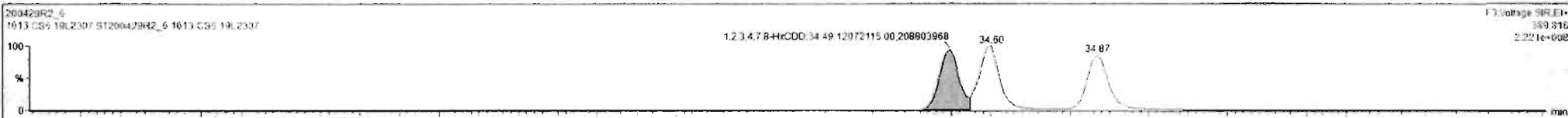
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401.856
1.543e+007

200429R2_6



F3:Voltage SIR,EI+
403.853
1.250e+007

#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.05	0.784	NO	6.0624e6	2.0310e6	300.000	5.4	5.35	0.947	0.0567
2	1,2,3,7,8-PeCDD	31.13	0.634	NO	2.3414e7	1.6142e6	1500.000	2.6	5.51	0.942	0.0516
3	1,2,3,4,7,8-HxCDD	34.48	1.228	NO	2.1905e7	1.2269e6	1000.000	6.6	6.62	1.08	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.237	NO	2.3486e7	1.6975e6	1500.000	0.9	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.213	NO	2.0602e7	1.4580e6	1500.000	4.0	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.37	1.019	NO	1.6010e7	1.1280e6	1500.000	5.6	8.92	0.956	0.0622
7	OCDD	41.34	0.887	NO	3.3871e7	2.3135e6	2000.000	4.8	7.57	0.633	0.0707
8	2,3,7,8-TCDF	25.05	0.753	NO	7.1946e6	2.9106e6	300.000	4.7	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.51	1.560	NO	3.5628e7	2.5822e6	1500.000	1.5	5.86	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	30.81	1.542	NO	3.6618e7	2.5077e6	1500.000	0.7	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.83	1.189	NO	2.3482e7	1.7670e6	1500.000	4.4	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.75	1.189	NO	2.5241e7	1.9123e6	1500.000	0.7	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.190	NO	2.4775e7	1.7418e6	1500.000	2.9	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.21	1.196	NO	1.9813e7	1.4696e6	1500.000	4.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.96	0.992	NO	1.8927e7	1.3725e6	1500.000	5.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.94	0.991	NO	1.4705e7	8.6492e5	1500.000	6.5	6.62	1.01	0.0670
17	OCDF	41.52	0.867	NO	2.3638e7	2.6295e6	3000.000	4.4	7.16	0.802	0.0575



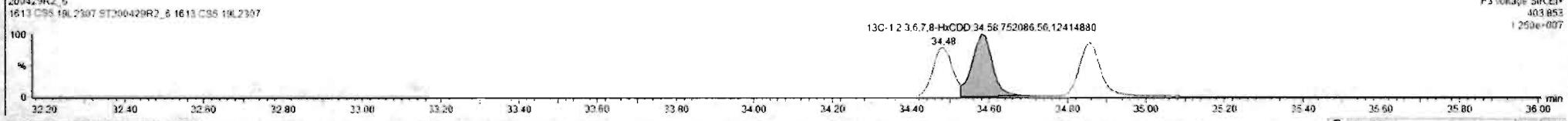
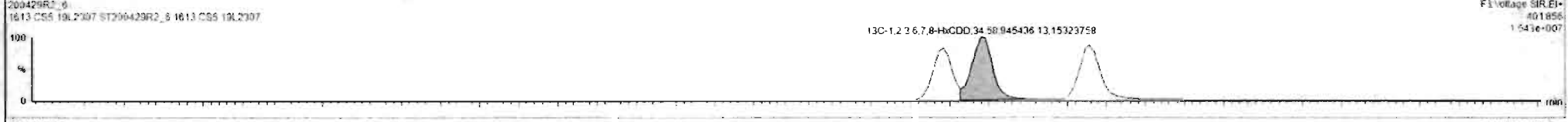
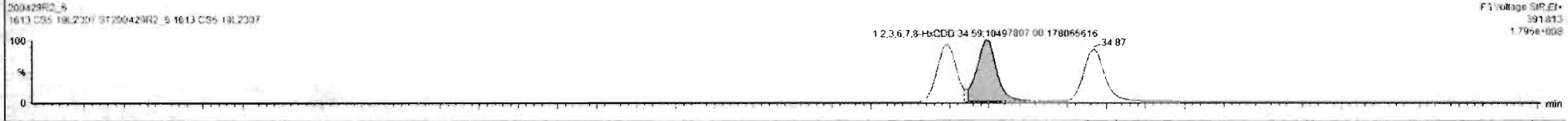
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200429R2_6

CAP NUM

200429R2_8 ST200429R2_1 13 CS5 19L2307 - 1613 CS5 19L2307

#	Name	RT	RA	yht	Area	IS Area	Std Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	26.95	0.764	NO	6.0624e6	2.0310e6	300.000	5.4	5.35	0.947	0.9507
2	1,2,3,7,8-PeCDD	31.13	0.634	NO	2.3414e7	1.6142e6	1500.000	2.6	5.51	0.942	0.9519
3	1,2,3,4,7,8-HxCDD	34.49	1.228	NO	2.1905e7	1.2669e6	1500.000	6.6	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.237	NO	2.3469e7	1.6075e6	1500.000	0.8	6.53	0.915	0.0592
5	1,2,3,7,8,9-HxCDD	34.67	1.233	NO	2.0602e7	1.4580e6	1500.000	4.0	7.64	0.915	0.0690
6	1,2,3,4,6,7,8-HpCDD	38.37	1.019	NO	1.6010e7	1.1360e6	1500.000	5.6	6.93	0.890	0.0622
7	OCDD	41.34	0.887	NO	3.3271e7	2.3135e6	3000.000	4.8	7.57	0.933	0.0707
8	1,2,7,8-TCDF	25.05	0.753	NO	7.1949e6	2.9106e6	300.000	4.7	5.11	0.787	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.560	NO	3.5938e7	2.5822e6	1500.000	1.9	5.86	0.910	0.0533
10	1,2,3,4,7,8-HxCDF	30.81	1.542	NO	3.6618e7	3.5077e6	1500.000	0.7	4.96	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.63	1.190	NO	2.3482e7	1.7070e6	1500.000	4.4	7.59	0.878	0.0566
12	1,2,3,6,7,8-HxCDF	33.75	1.189	NO	2.5241e7	1.9123e6	1500.000	0.7	7.23	0.874	0.0632
13	1,2,3,6,7,8-HxCDF	34.33	1.190	NO	2.4775e7	1.7418e6	1500.000	2.9	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.196	NO	1.9613e7	1.4696e6	1500.000	4.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.96	0.992	NO	1.6927e7	1.2725e6	1500.000	5.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.94	0.993	NO	1.4205e7	8.6492e5	1500.000	6.5	6.62	1.01	0.0670
17	OCDF	41.52	0.887	NO	2.3036e7	2.6295e6	3000.000	4.4	7.16	0.802	0.0575



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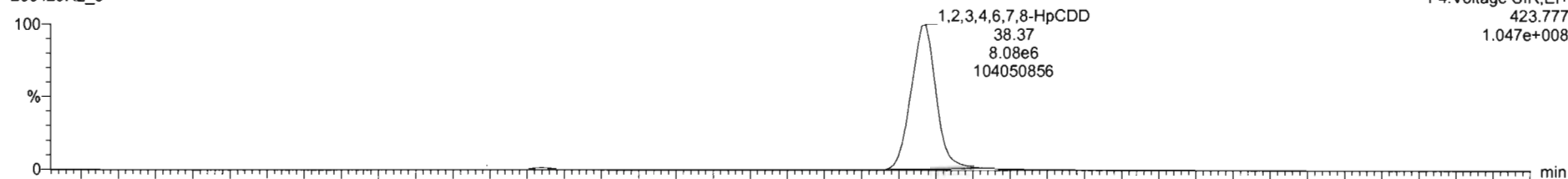
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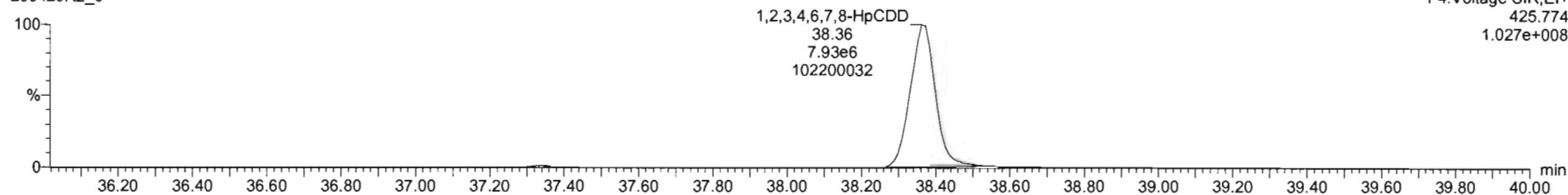
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200429R2_6



F4:Voltage SIR,EI+
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1.047e+008

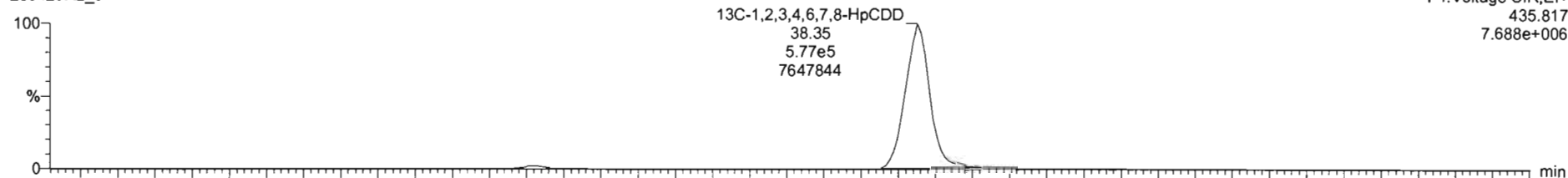
200429R2_6



F4:Voltage SIR,EI+
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1.027e+008

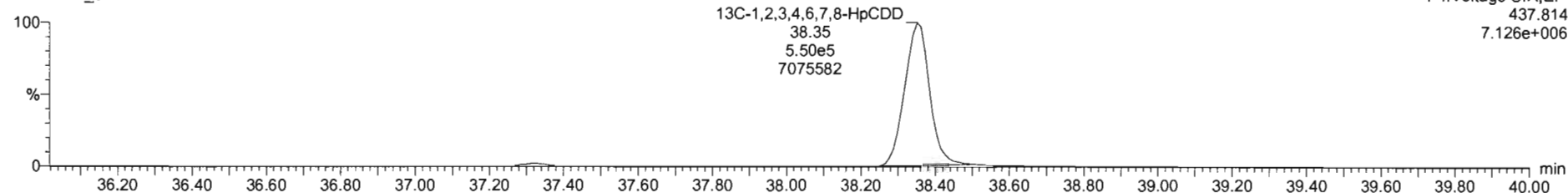
13C-1,2,3,4,6,7,8-HpCDD

200429R2_6



F4:Voltage SIR,EI+
435.817
7.688e+006

200429R2_6



F4:Voltage SIR,EI+
437.814
7.126e+006

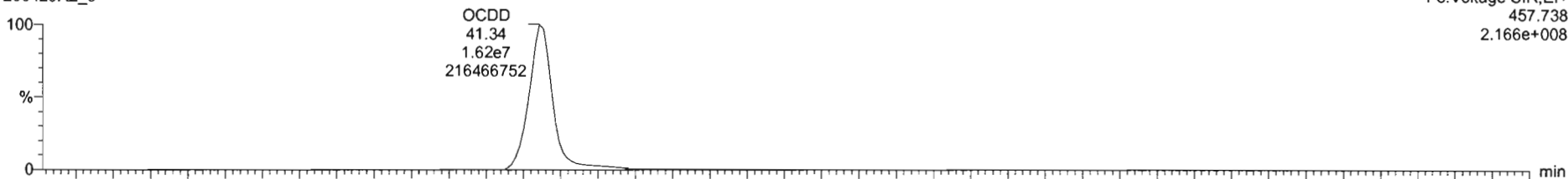
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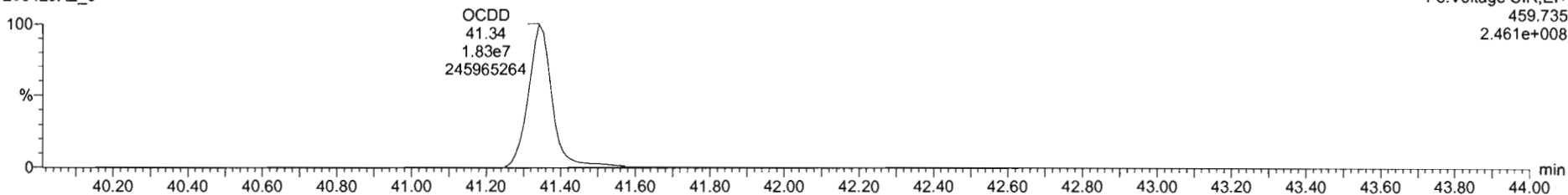
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OCDD

200429R2_6

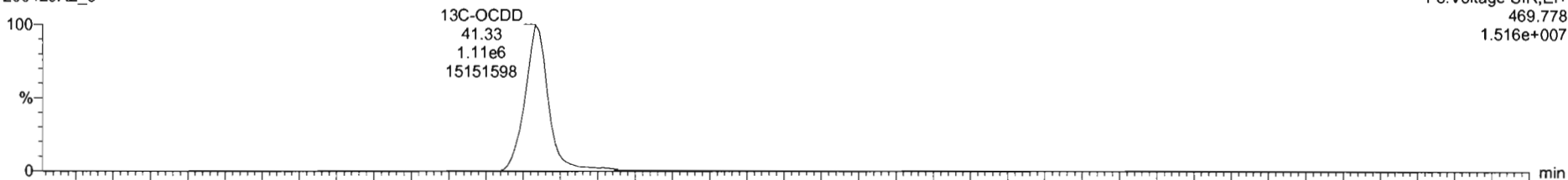


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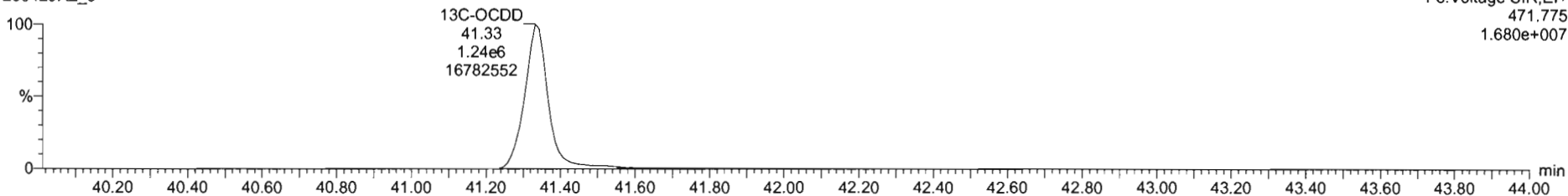


13C-OCDD

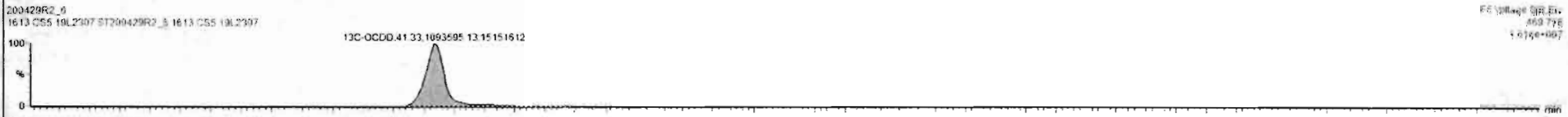
200429R2_6



200429R2_6



#	Name	RT	RA	Y/N	Area	IS Area	Std Conc	%Dev	%RSD	RRF U...	RRF SD
1	1,2,3,7,8-TCDD	26.05	0.754	NO	6.0624e6	2.0210e6	300.000	5.4	5.15	0.547	0.0567
2	1,2,3,7,8-PeCDD	31.13	0.634	NO	2.3414e7	1.6142e6	1500.000	2.6	5.51	0.642	0.0519
3	1,2,3,4,7,8-HxCDD	34.43	1.220	NO	2.1905e7	1.2869e6	1500.000	6.6	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.237	NO	2.3486e7	1.6975e6	1500.000	0.9	6.53	0.916	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.233	NO	2.0602e7	1.4580e6	1500.000	4.0	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.37	1.019	NO	1.6010e7	1.1260e6	1500.000	5.6	6.93	0.656	0.0422
7	OCDD	41.34	0.697	NO	3.3671e7	2.3135e6	3000.000	4.6	7.57	0.933	0.0767
8	2,2,7,8-TCDF	25.09	0.753	NO	7.1646e6	2.9106e6	300.000	4.7	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.560	NO	3.5528e7	2.5822e6	1500.000	1.9	5.66	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.81	1.542	NO	3.6618e7	2.5077e6	1500.000	0.7	4.85	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.83	1.190	NO	2.3482e7	1.7070e6	1500.000	4.4	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.75	1.189	NO	2.5241e7	1.9123e6	1500.000	0.7	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.190	NO	2.4775e7	1.7418e6	1500.000	2.9	7.60	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.195	NO	1.9612e7	1.4696e6	1500.000	4.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.96	0.992	NO	1.8627e7	1.3725e6	1500.000	5.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.94	0.993	NO	1.4305e7	8.6492e5	1500.000	6.5	6.62	1.01	0.0670
17	OCDF	41.52	0.667	NO	3.3036e7	2.6295e6	3000.000	4.4	7.16	0.802	0.0575



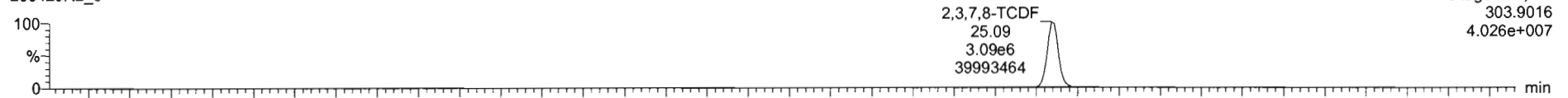
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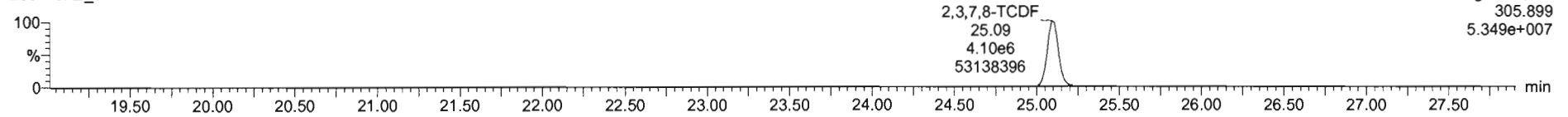
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2,3,7,8-TCDF

200429R2_6

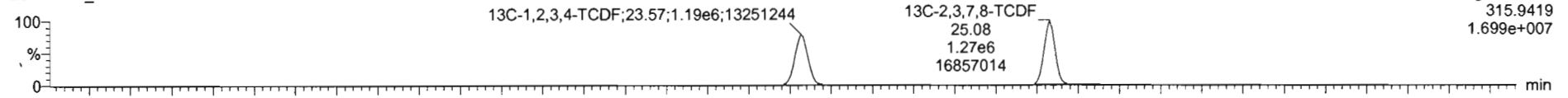


200429R2_6

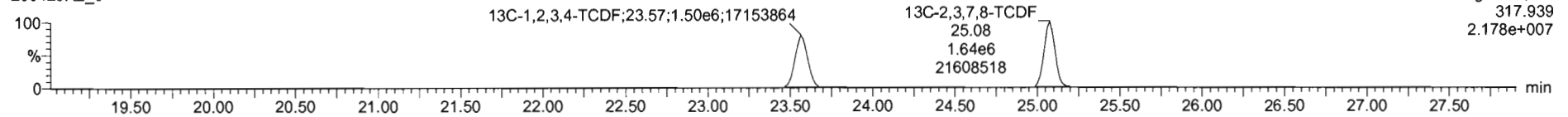


13C-2,3,7,8-TCDF

200429R2_6

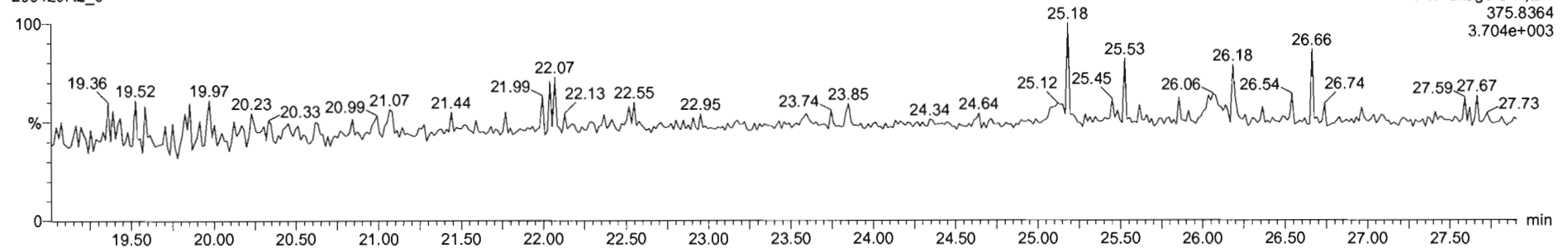


200429R2_6



DPE1

200429R2_6



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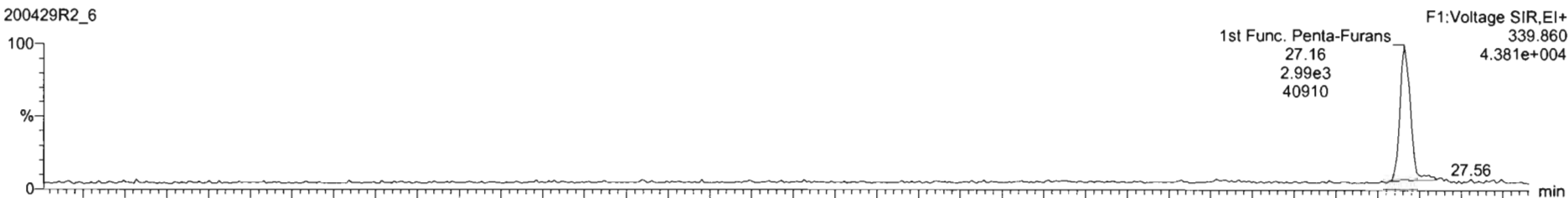
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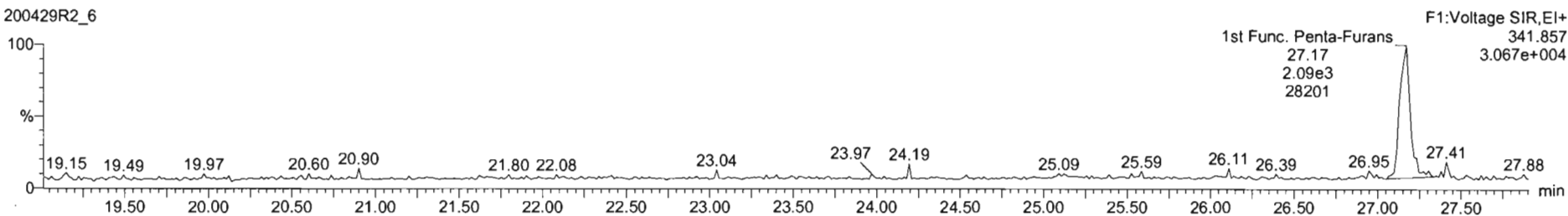
Name: 200429R2_6, Date: 29-Apr-2020, Time: 17:23:21, ID: ST200429R2_6 1613 CS5 19L2307, Description: 1613 CS5 19L2307

1st Func. Penta-Furans

200429R2_6

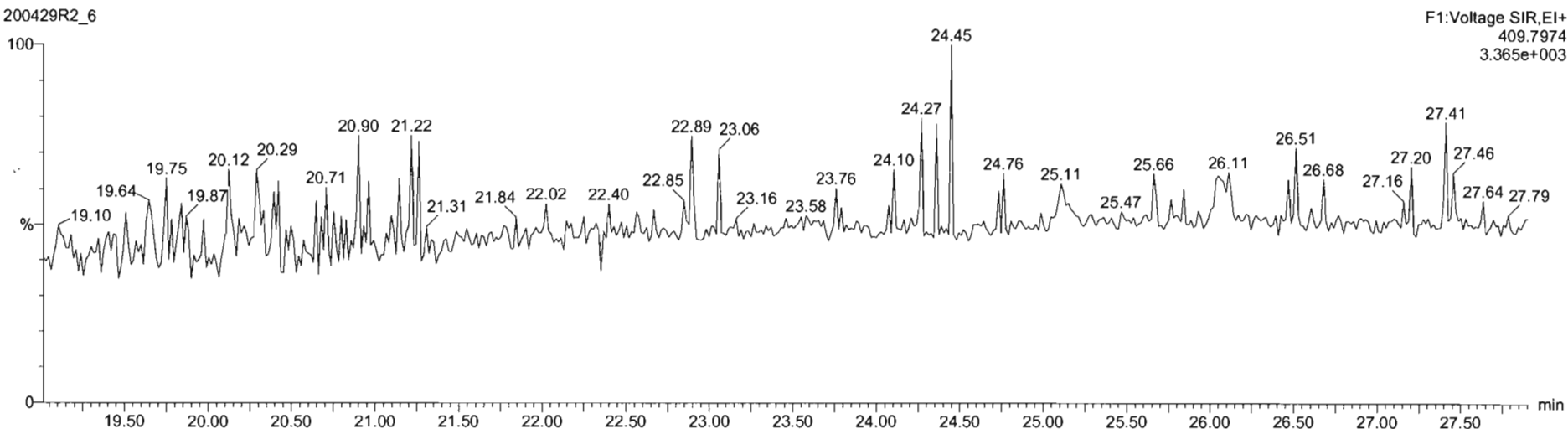


200429R2_6



DPE6

200429R2_6



Dataset: Untitled

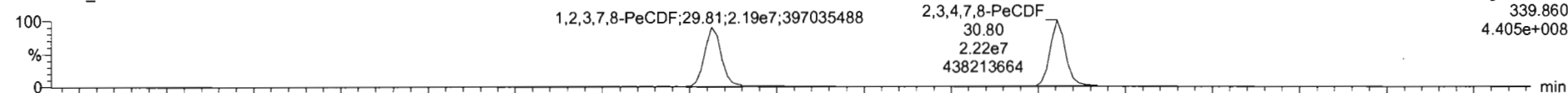
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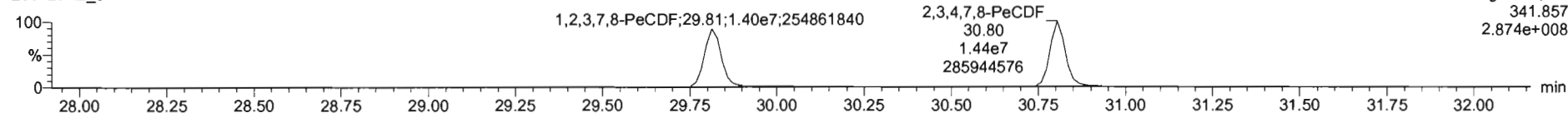
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1,2,3,7,8-PeCDF

200429R2_6

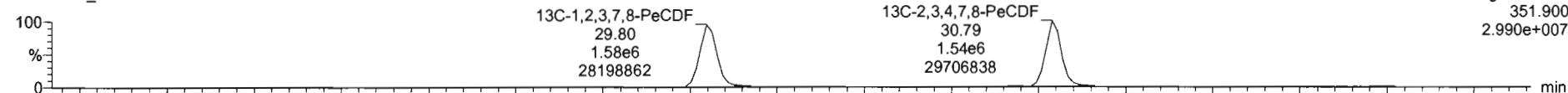


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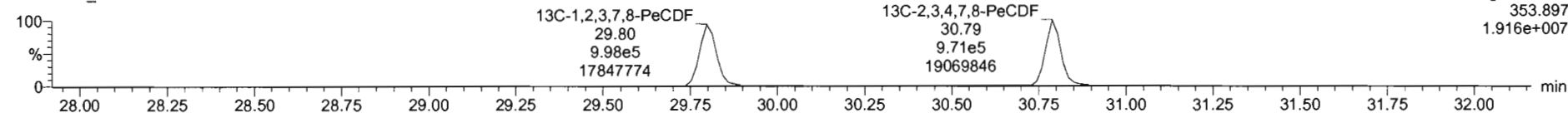


13C-1,2,3,7,8-PeCDF

200429R2_6

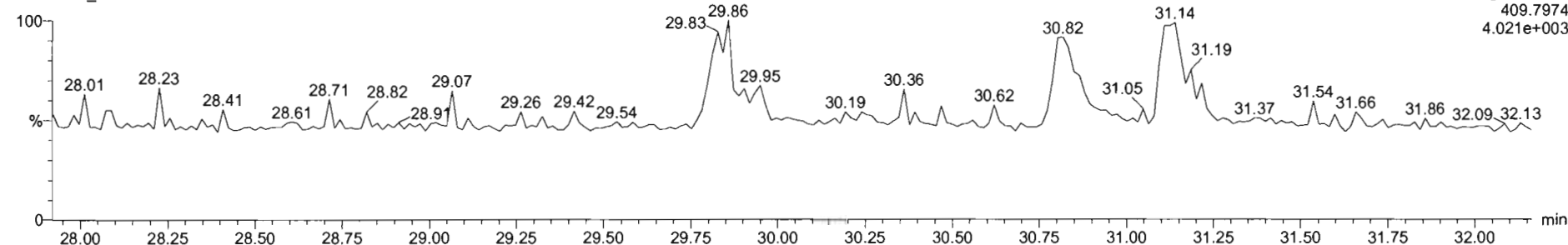


200429R2_6



DPE2

200429R2_6



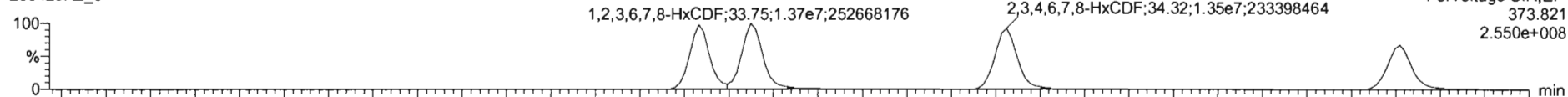
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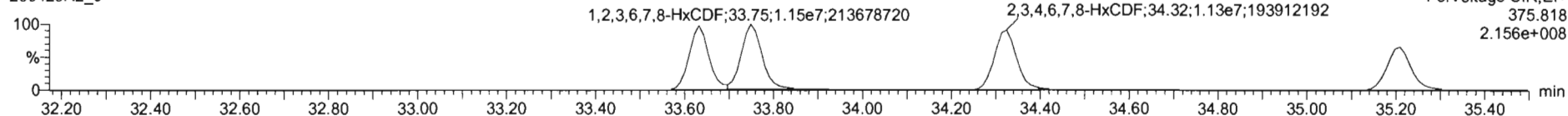
1,2,3,4,7,8-HxCDF

200429R2_6



F3: Voltage SIR, EI+
373.821
2.550e+008

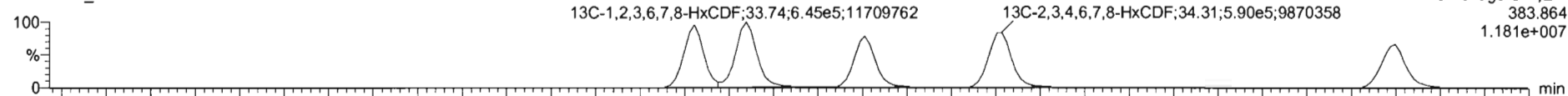
200429R2_6



F3: Voltage SIR, EI+
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2.156e+008

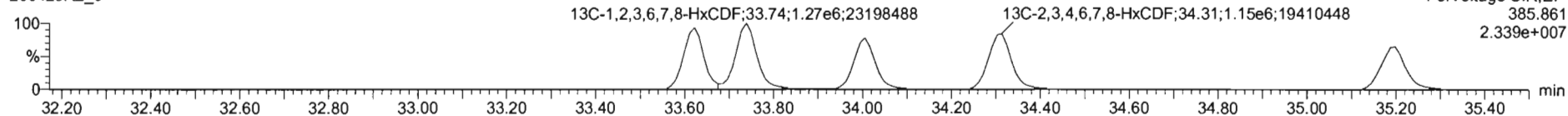
13C-1,2,3,4,7,8-HxCDF

200429R2_6



F3: Voltage SIR, EI+
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1.181e+007

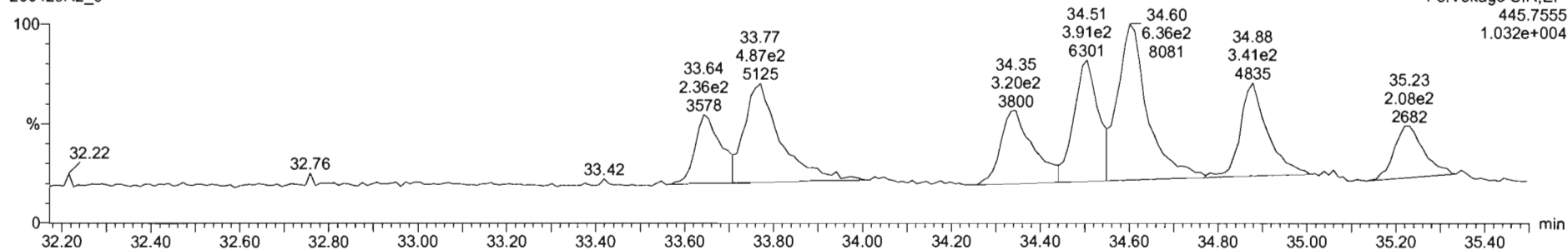
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F3: Voltage SIR, EI+
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2.339e+007

DPE3

200429R2_6



F3: Voltage SIR, EI+
445.7555
1.032e+004

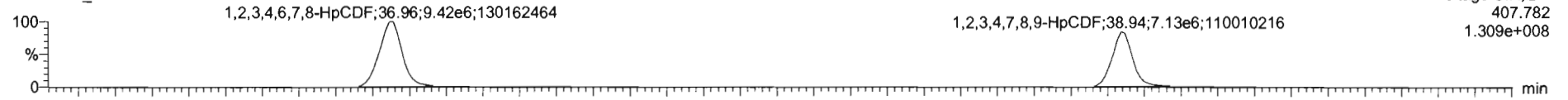
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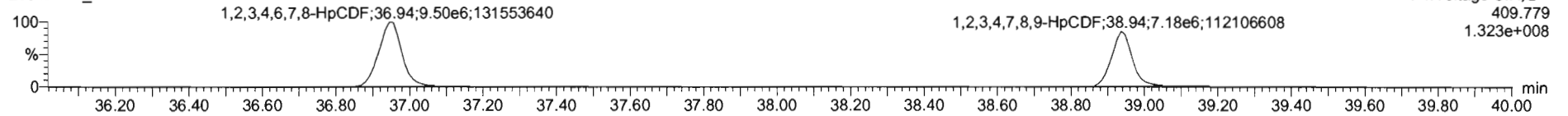
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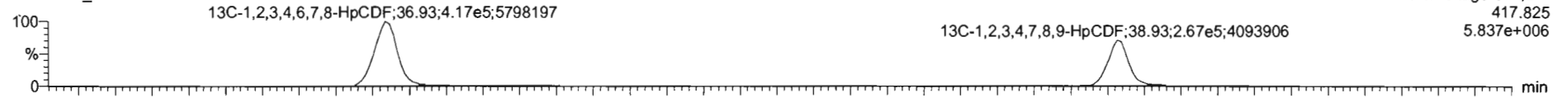


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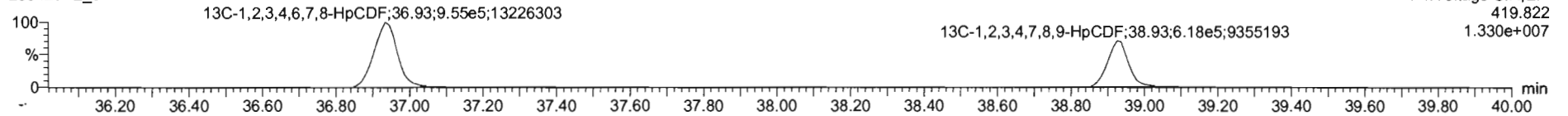


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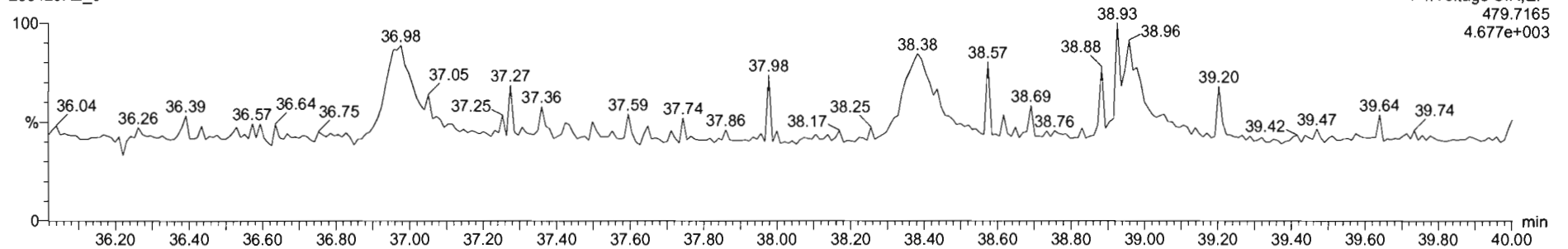


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DPE4

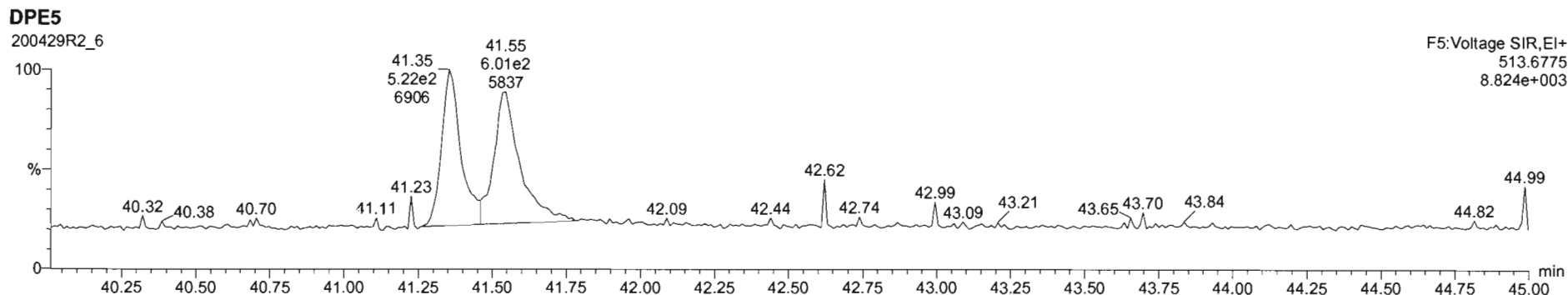
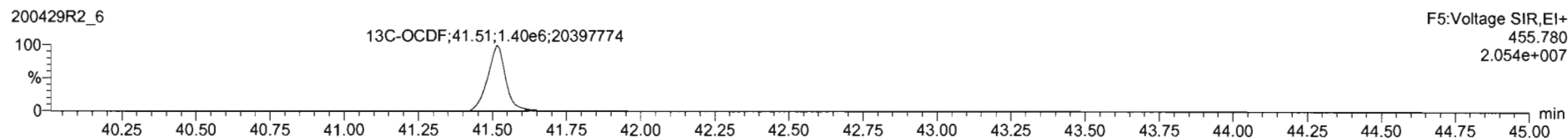
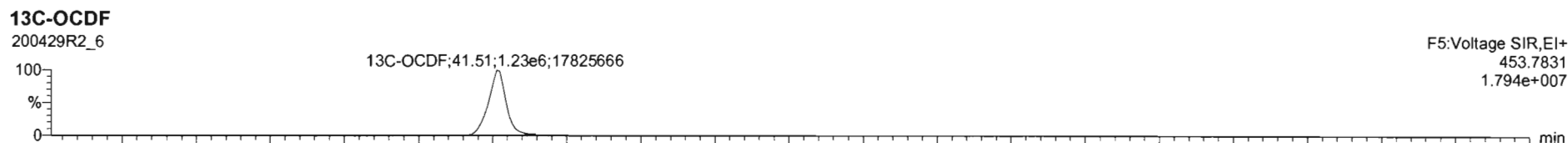
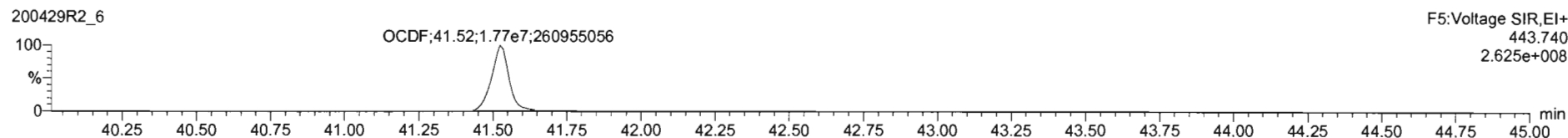
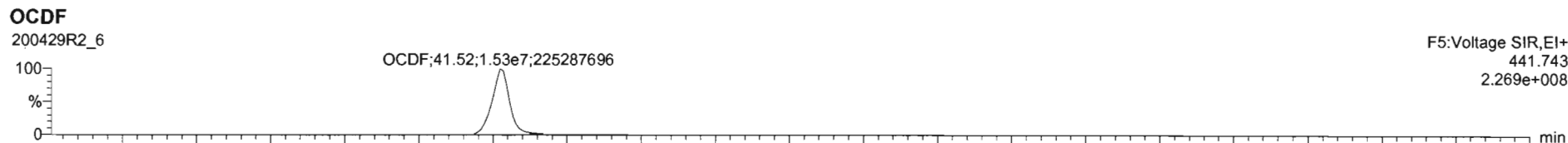
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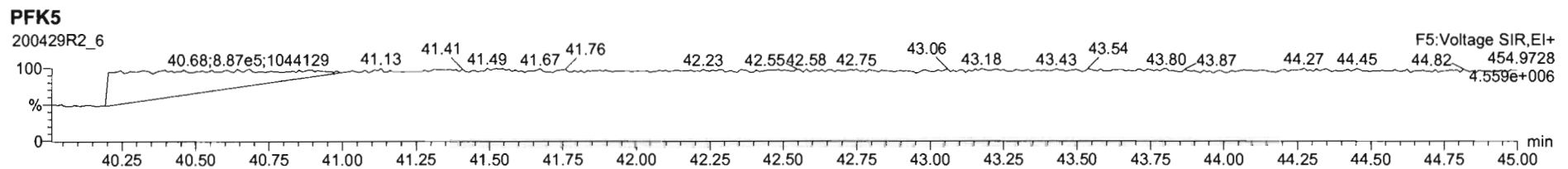
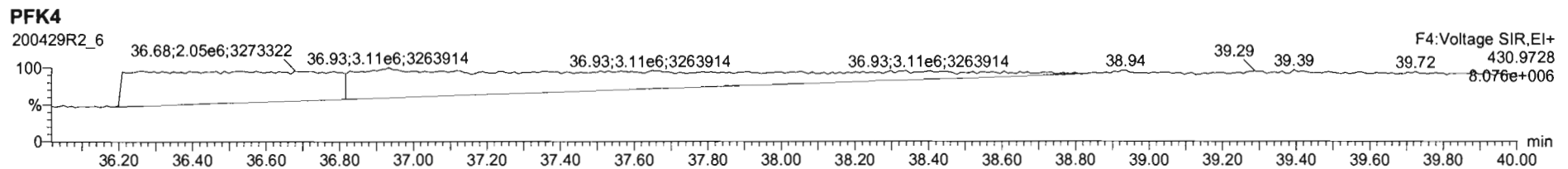
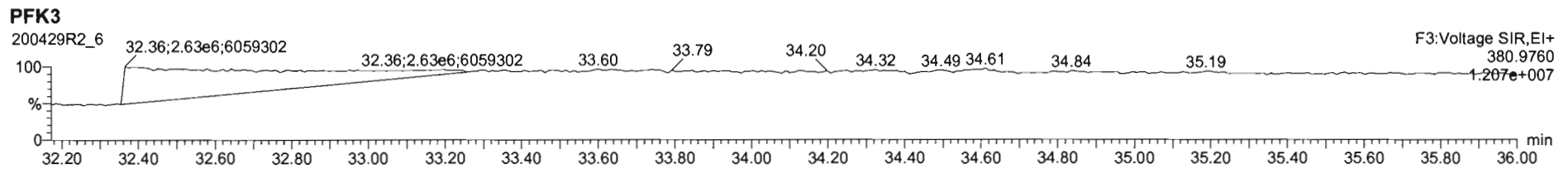
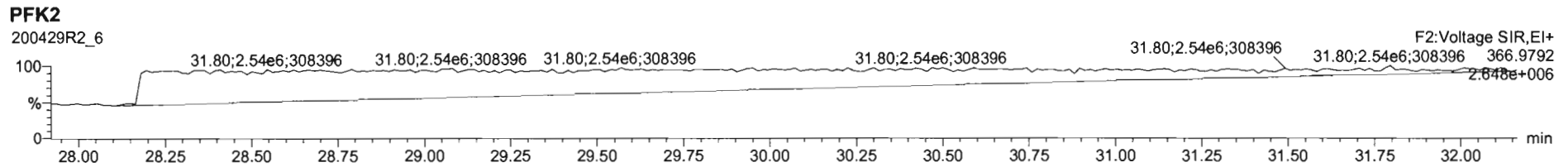
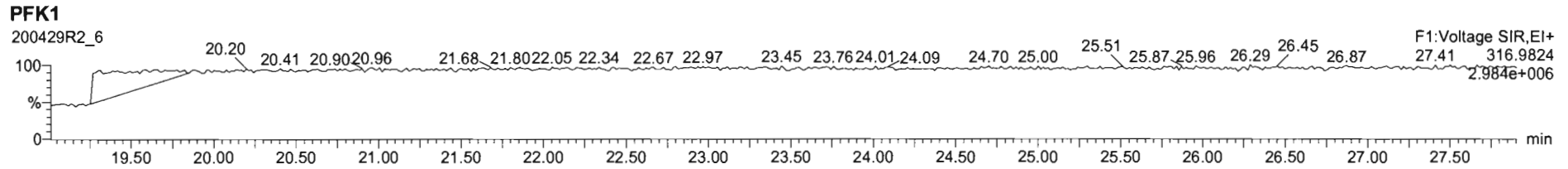
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Name: 200429R2_6, Date: 29-Apr-2020, Time: 17:23:21, ID: ST200429R2_6 1613 CS5 19L2307, Description: 1613 CS5 19L2307



Dataset: U:\VG12.PRO\Results\200429R2\200429R2-8.qld

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Printed: Thursday, April 30, 2020 8:36:35 AM Pacific Daylight Time

GRB 04/30/2020

CT 04/30/2020

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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200429R2_8, Date: 29-Apr-2020, Time: 18:58:05, ID: SS200429R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

#	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	1.63e5	0.76	NO	0.947	1.000	26.081	26.07	1.001	1.001	11.205	112	0.0427	11.2
2	2 1,2,3,7,8-PeCDD	5.70e5	0.63	NO	0.942	1.000	31.147	31.14	1.001	1.000	56.141	112	0.0577	56.1
3	3 1,2,3,4,7,8-HxCDD	4.91e5	1.24	NO	1.06	1.000	34.505	34.51	1.000	1.000	58.046	116	0.102	58.0
4	4 1,2,3,6,7,8-HxCDD	5.43e5	1.25	NO	0.915	1.000	34.591	34.61	1.000	1.001	57.430	115	0.105	57.4
5	5 1,2,3,7,8,9-HxCDD	4.78e5	1.25	NO	0.915	1.000	34.878	34.88	1.000	1.000	58.193	116	0.120	58.2
6	6 1,2,3,4,6,7,8-HpCDD	3.49e5	1.04	NO	0.898	1.000	38.373	38.38	1.000	1.001	56.727	113	0.145	56.7
7	7 OCDD	6.53e5	0.88	NO	0.933	1.000	41.343	41.35	1.000	1.000	116.94	117	0.107	117
8	8 2,3,7,8-TCDF	1.99e5	0.73	NO	0.787	1.000	25.117	25.12	1.001	1.001	11.247	112	0.0306	11.2
9	9 1,2,3,7,8-PeCDF	9.00e5	1.54	NO	0.910	1.000	29.834	29.83	1.001	1.001	55.836	112	0.0810	55.8
10	10 2,3,4,7,8-PeCDF	1.00e6	1.53	NO	0.966	1.000	30.836	30.82	1.001	1.000	60.816	122	0.0765	60.8
11	11 1,2,3,4,7,8-HxCDF	5.51e5	1.21	NO	0.878	1.000	33.632	33.64	1.000	1.000	55.918	112	0.109	55.9
12	12 1,2,3,6,7,8-HxCDF	6.22e5	1.22	NO	0.874	1.000	33.760	33.76	1.000	1.000	56.451	113	0.107	56.5
13	13 2,3,4,6,7,8-HxCDF	5.78e5	1.19	NO	0.922	1.000	34.359	34.33	1.001	1.000	56.186	112	0.118	56.2
14	14 1,2,3,7,8,9-HxCDF	4.76e5	1.19	NO	0.864	1.000	35.209	35.22	1.000	1.000	55.290	111	0.162	55.3
15	15 1,2,3,4,6,7,8-HpCDF	4.11e5	0.98	NO	0.871	1.000	36.982	36.97	1.001	1.001	54.863	110	0.153	54.9
16	16 1,2,3,4,7,8,9-HpCDF	2.99e5	0.98	NO	1.01	1.000	38.947	38.95	1.000	1.000	57.162	114	0.204	57.2
17	17 OCDF	6.13e5	0.86	NO	0.802	1.000	41.525	41.53	1.000	1.000	115.17	115	0.126	115
18	18 13C-2,3,7,8-TCDD	1.53e6	0.79	NO	1.16	1.000	26.046	26.05	1.026	1.027	91.114	91.1	0.0954	
19	19 13C-1,2,3,7,8-PeCDD	1.08e6	0.64	NO	0.847	1.000	31.141	31.13	1.227	1.227	87.564	87.6	0.0958	
20	20 13C-1,2,3,4,7,8-HxCDD	7.95e5	1.29	NO	0.750	1.000	34.496	34.49	1.014	1.014	88.379	88.4	0.183	
21	21 13C-1,2,3,6,7,8-HxCDD	1.03e6	1.29	NO	0.963	1.000	34.608	34.59	1.017	1.017	89.585	89.6	0.142	
22	22 13C-1,2,3,7,8,9-HxCDD	8.98e5	1.26	NO	0.838	1.000	34.877	34.87	1.025	1.025	89.402	89.4	0.164	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.86e5	1.10	NO	0.641	1.000	38.367	38.36	1.128	1.128	89.184	89.2	0.183	
24	24 13C-OCDD	1.20e6	0.86	NO	0.586	1.000	41.360	41.34	1.216	1.215	170.31	85.2	0.144	
25	25 13C-2,3,7,8-TCDF	2.25e6	0.78	NO	1.03	1.000	25.104	25.09	0.989	0.989	92.189	92.2	0.134	
26	26 13C-1,2,3,7,8-PeCDF	1.77e6	1.60	NO	0.845	1.000	29.829	29.81	1.176	1.175	88.893	88.9	0.195	
27	27 13C-2,3,4,7,8-PeCDF	1.71e6	1.60	NO	0.814	1.000	30.822	30.81	1.215	1.214	88.919	88.9	0.203	
28	28 13C-1,2,3,4,7,8-HxCDF	1.12e6	0.51	NO	1.00	1.000	33.635	33.63	0.989	0.989	93.115	93.1	0.212	
29	29 13C-1,2,3,6,7,8-HxCDF	1.26e6	0.51	NO	1.14	1.000	33.757	33.75	0.992	0.992	92.434	92.4	0.187	
30	30 13C-2,3,4,6,7,8-HxCDF	1.12e6	0.51	NO	1.02	1.000	34.326	34.33	1.009	1.009	91.031	91.0	0.208	
31	31 13C-1,2,3,7,8,9-HxCDF	9.97e5	0.51	NO	0.845	1.000	35.217	35.21	1.035	1.035	98.412	98.4	0.252	

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Printed: Thursday, April 30, 2020 8:36:35 AM Pacific Daylight Time

Name: 200429R2_8, Date: 29-Apr-2020, Time: 18:58:05, ID: SS200429R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	8.59e5	0.43	NO	0.771	1.000	36.948	36.94	1.086	1.086	92.960	93.0	0.284	
33	33 13C-1,2,3,4,7,8,9-HpCDF	5.17e5	0.43	NO	0.482	1.000	38.959	38.95	1.145	1.145	89.503	89.5	0.455	
34	34 13C-OCDF	1.33e6	0.88	NO	0.669	1.000	41.530	41.53	1.221	1.221	165.58	82.8	0.146	
35	35 37Cl-2,3,7,8-TCDD	1.58e5			1.10	1.000	26.076	26.07	1.028	1.027	9.8763	98.8	0.0151	
36	36 13C-1,2,3,4-TCDD	1.45e6	0.81	NO	1.00	1.000	25.350	25.38	1.000	1.000	100.00	100	0.111	
37	37 13C-1,2,3,4-TCDF	2.36e6	0.79	NO	1.00	1.000	23.560	23.59	1.000	1.000	100.00	100	0.139	
38	38 13C-1,2,3,4,6,9-HxCDF	1.20e6	0.51	NO	1.00	1.000	34.000	34.02	1.000	1.000	100.00	100	0.213	

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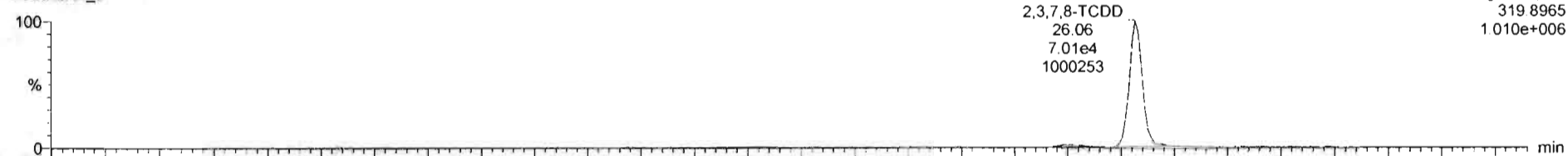
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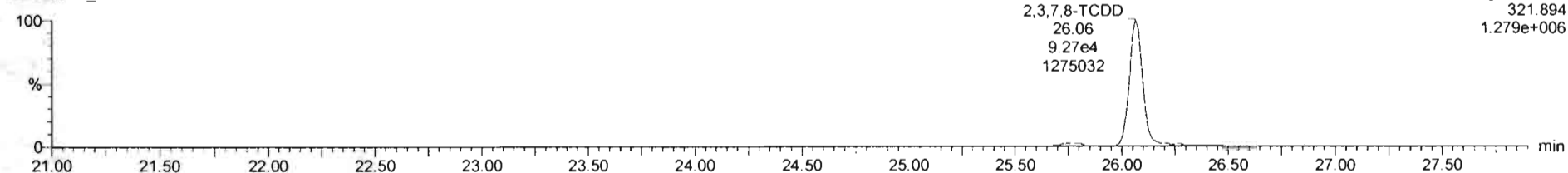
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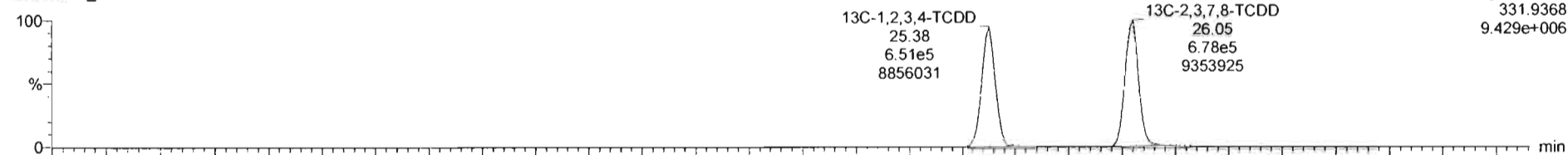


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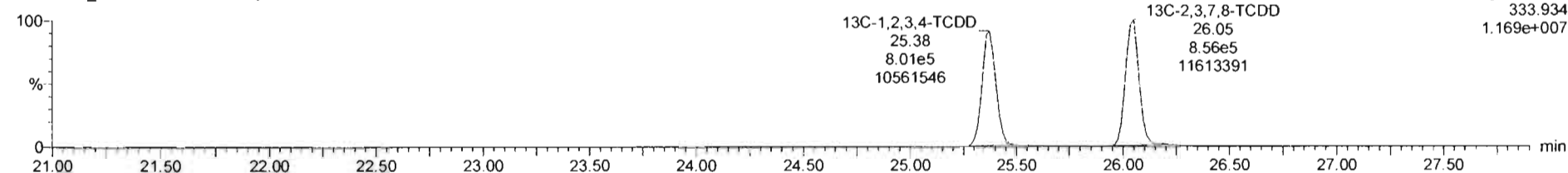


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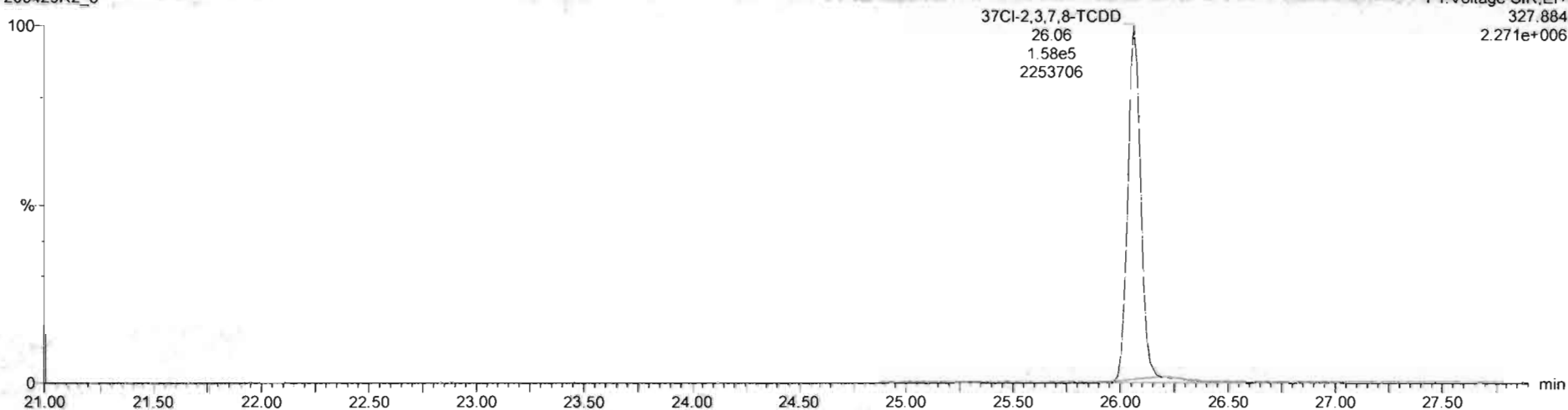
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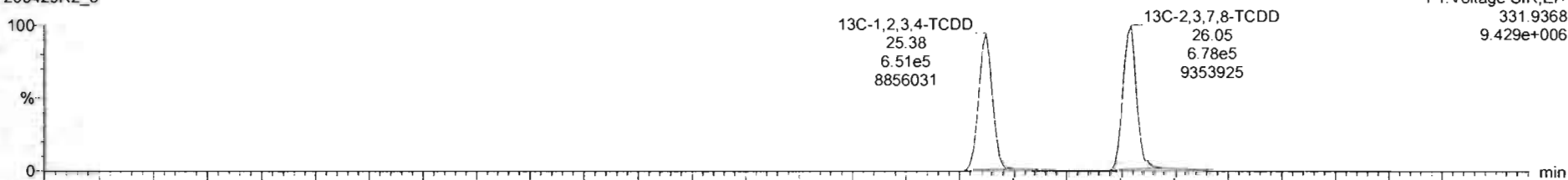
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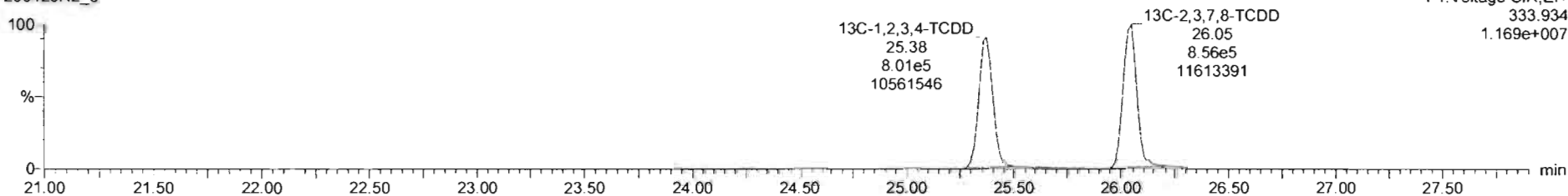


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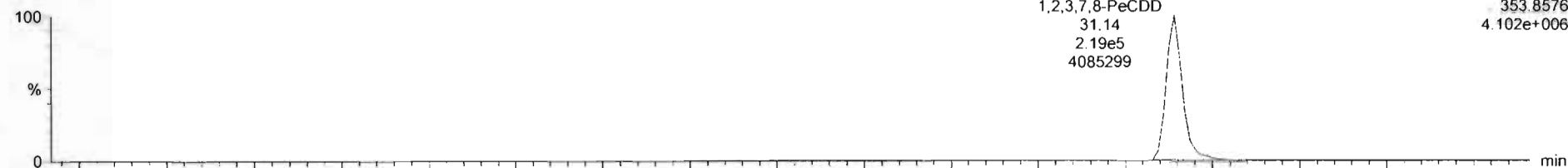
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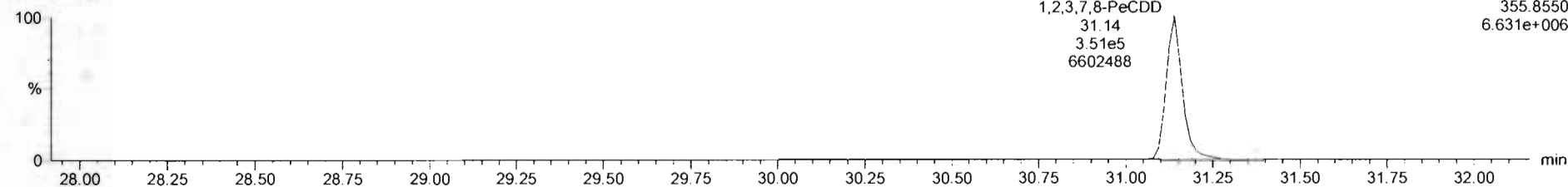
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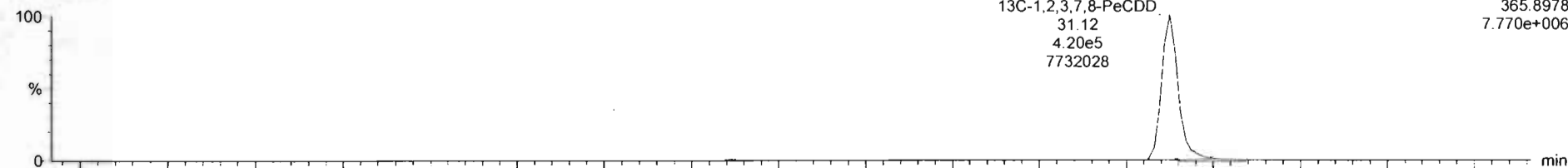


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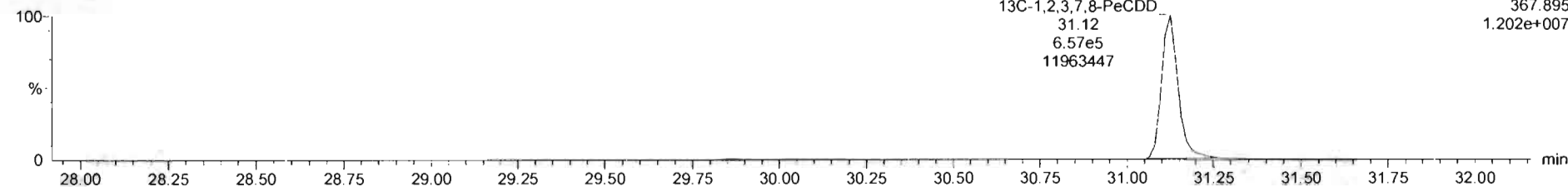


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200429R2_8



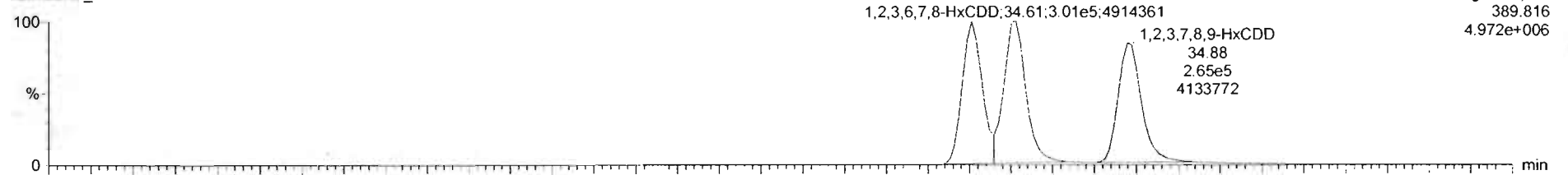
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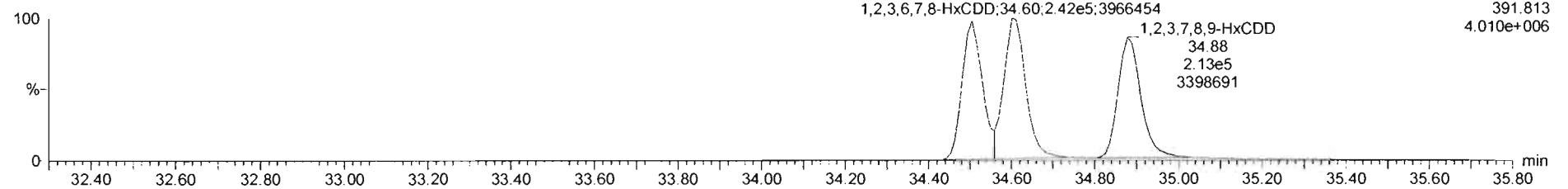
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1,2,3,4,7,8-HxCDD

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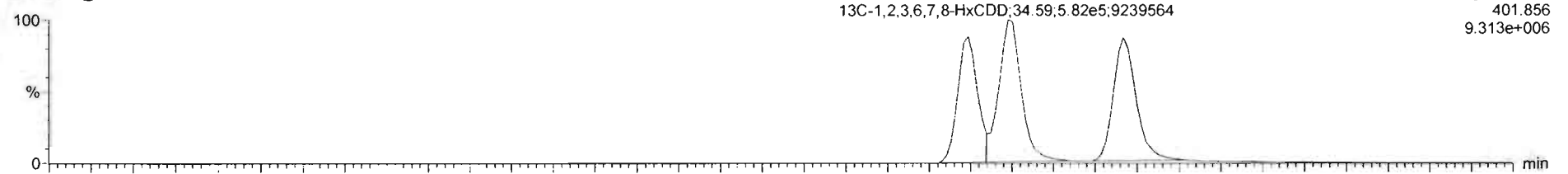


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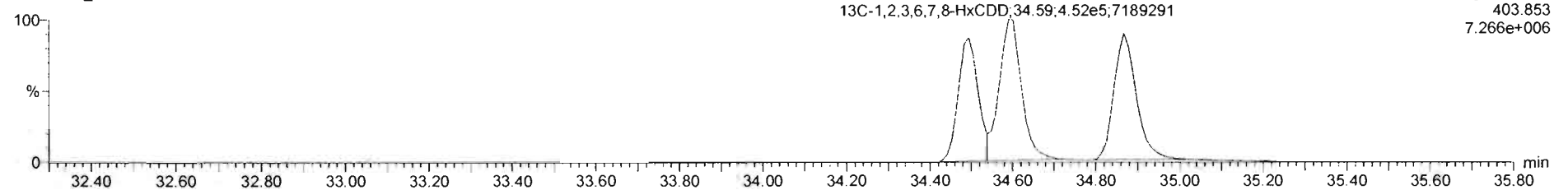


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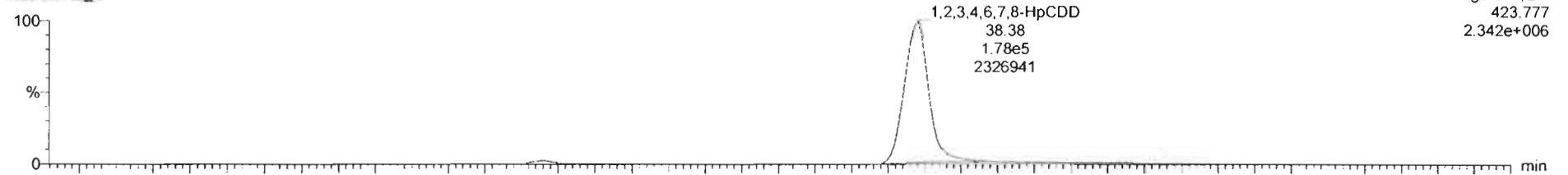
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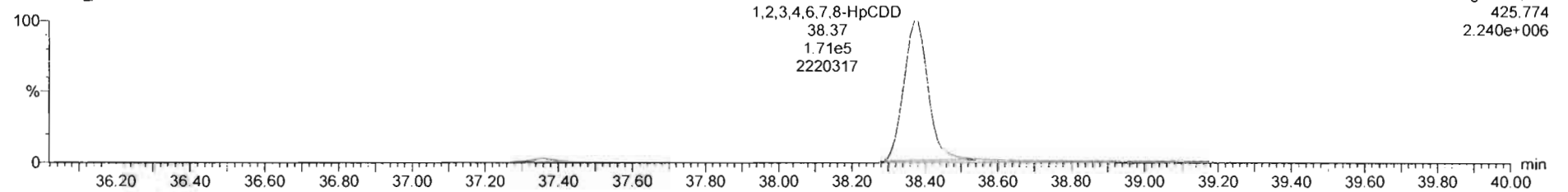
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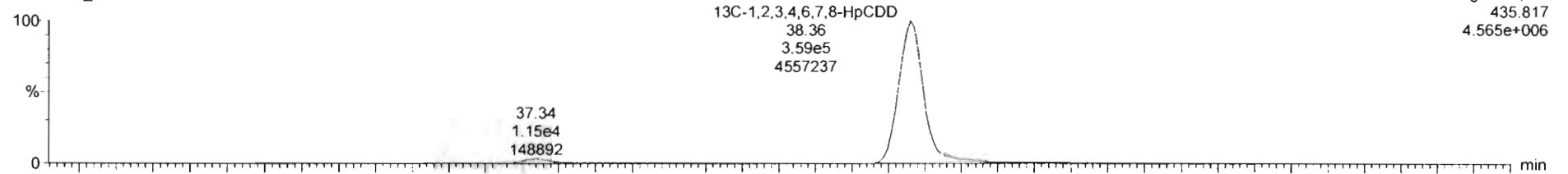


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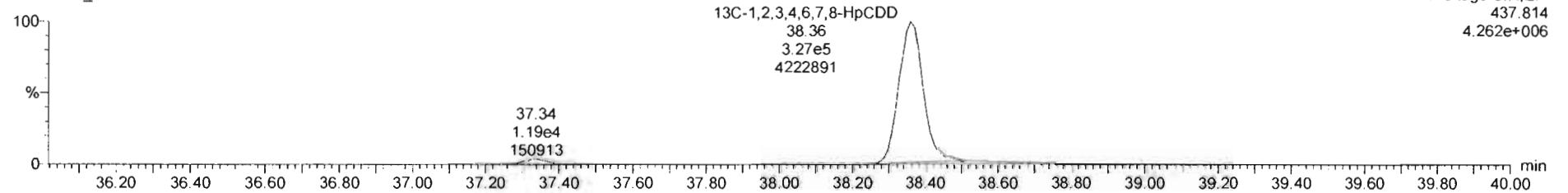


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200429R2_8

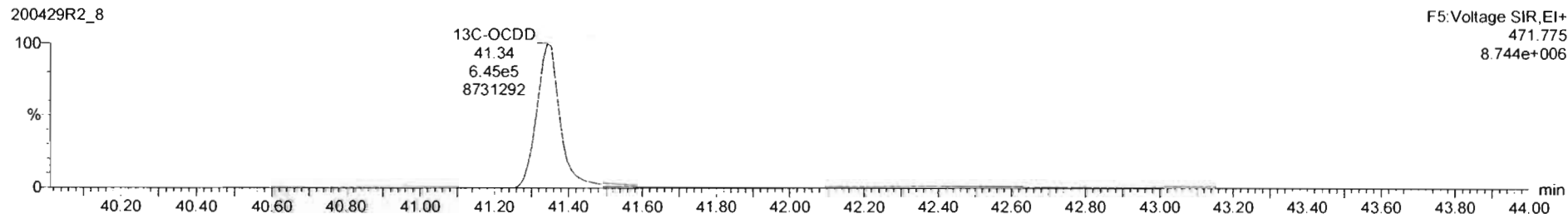
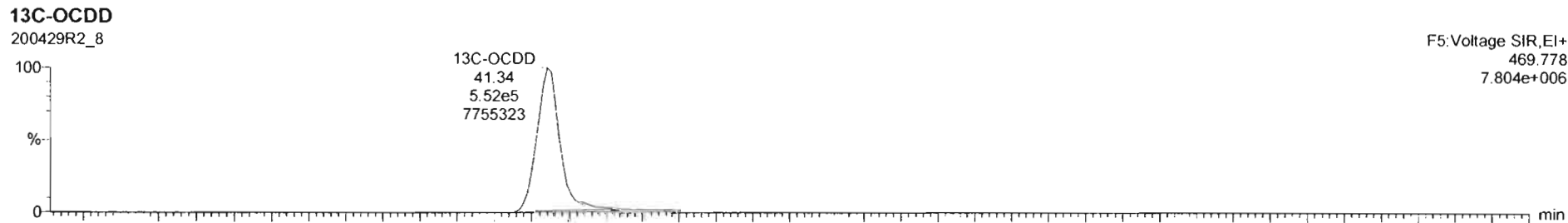
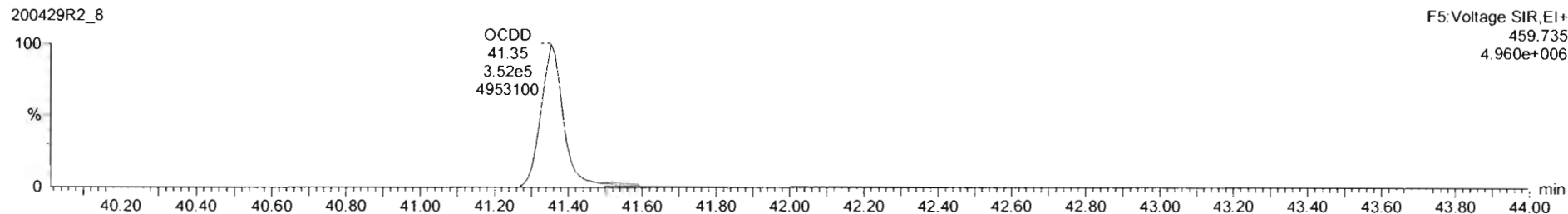
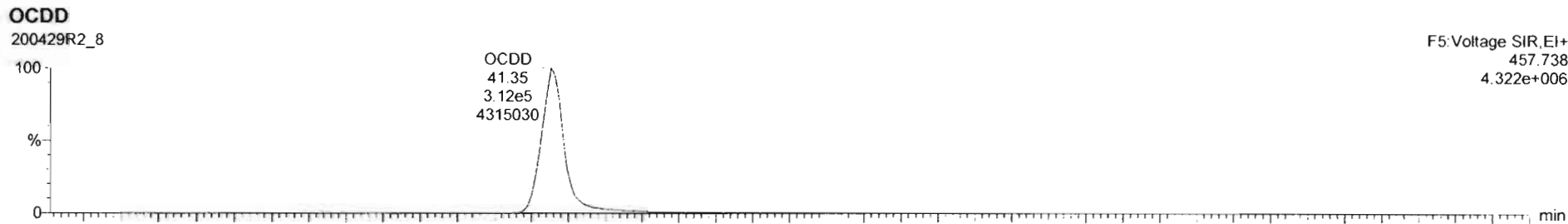


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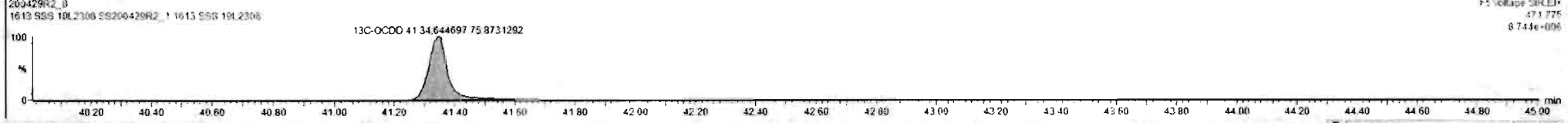
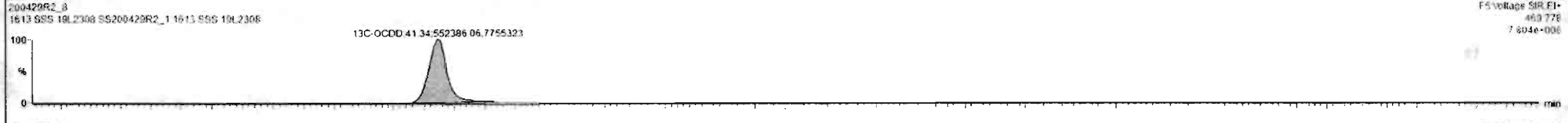
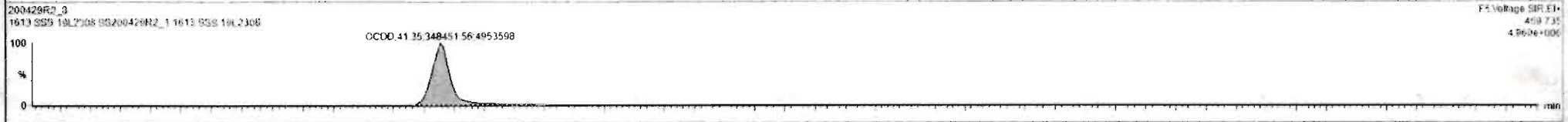
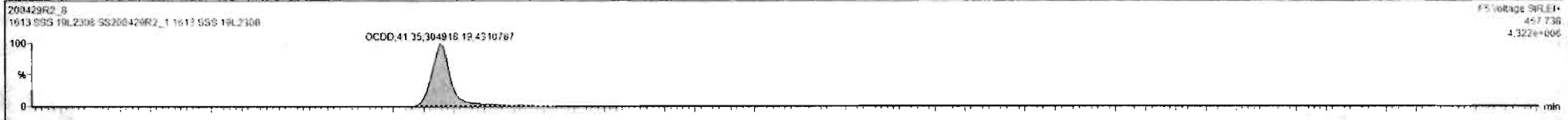
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Printed: Thursday, April 30, 2020 8:38:30 AM Pacific Daylight Time

Name: 200429R2_8, Date: 29-Apr-2020, Time: 18:58:05, ID: SS200429R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308



Name	Resp	RA	inj	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.63e5	0.76	NO	0.9475	1.000	26.07	1.001	11.2	11.2	0.0427	11.2
2 1,2,3,7,8-PeCDD	5.70e5	0.83	NO	0.9425	1.000	31.14	1.000	56.1	11.2	0.0577	56.1
3 1,2,3,4,7,8-HxCDD	4.91e5	1.24	NO	1.0641	1.000	34.51	1.000	56.0	11.6	0.102	56.0
4 1,2,3,6,7,8-HxCDD	5.43e5	1.25	NO	0.9145	1.000	34.61	1.001	57.4	11.5	0.105	57.4
5 1,2,3,7,8,9-HxCDD	4.78e5	1.25	NO	0.9149	1.000	34.88	1.000	58.2	11.6	0.120	58.2
6 1,2,3,4,6,7,8-HpCDD	3.45e5	1.04	NO	0.8919	1.000	36.38	1.001	56.7	11.3	0.145	56.7
7 OCDD	6.53e5	0.55	NO	0.9325	1.000	41.35	1.000	117	11.7	0.107	117
8 2,3,7,8-TCDF	1.99e5	0.73	NO	0.7871	1.000	25.12	1.001	11.2	11.2	0.0306	11.2
9 1,2,3,7,8-PeCDF	5.00e5	1.54	NO	0.9102	1.000	29.83	1.001	55.8	11.2	0.0810	55.8
10 2,3,4,7,8-PeCDF	1.00e6	1.53	NO	0.9664	1.000	30.82	1.000	60.8	12.2	0.0765	60.8
11 1,2,3,4,7,8-HxCDF	5.51e5	1.22	NO	0.8782	1.000	33.64	1.000	55.9	11.2	0.109	55.9
12 1,2,3,6,7,8-HxCDF	6.22e5	1.22	NO	0.8740	1.000	33.78	1.000	56.5	11.3	0.107	56.5
13 2,3,4,6,7,8-HxCDF	5.78e5	1.19	NO	0.9217	1.000	34.33	1.000	56.2	11.2	0.118	56.2
14 1,2,3,7,8,9-HxCDF	4.76e5	1.19	NO	0.8542	1.000	35.22	1.000	55.3	11.1	0.152	55.3
15 1,2,3,4,6,7,8-HpCDF	4.11e5	0.98	NO	0.8712	1.000	36.97	1.001	54.9	11.0	0.153	54.9
16 1,2,3,4,7,8,9-HpCDF	2.99e5	0.98	NO	1.0116	1.000	36.95	1.000	57.2	11.4	0.204	57.2
17 OCDF	0.13e5	0.66	NO	0.8021	1.000	41.53	1.000	115	11.5	0.158	115



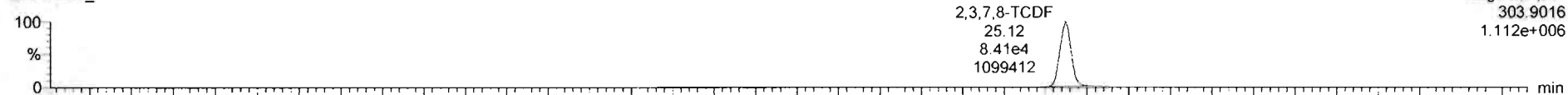
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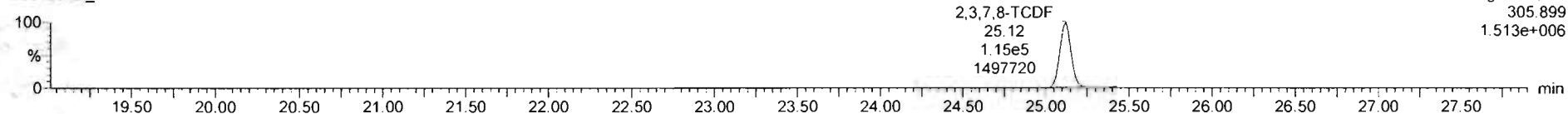
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2,3,7,8-TCDF

200429R2_8

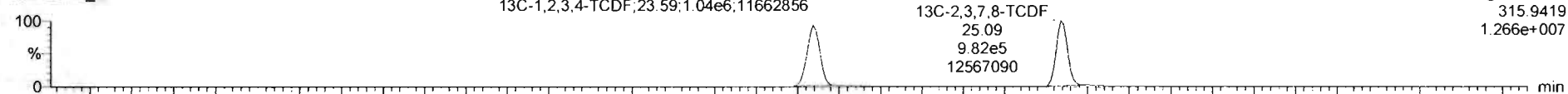


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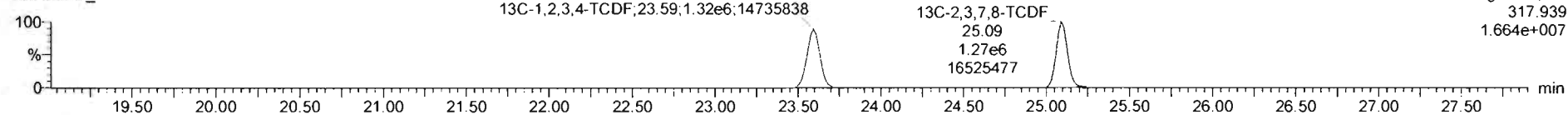


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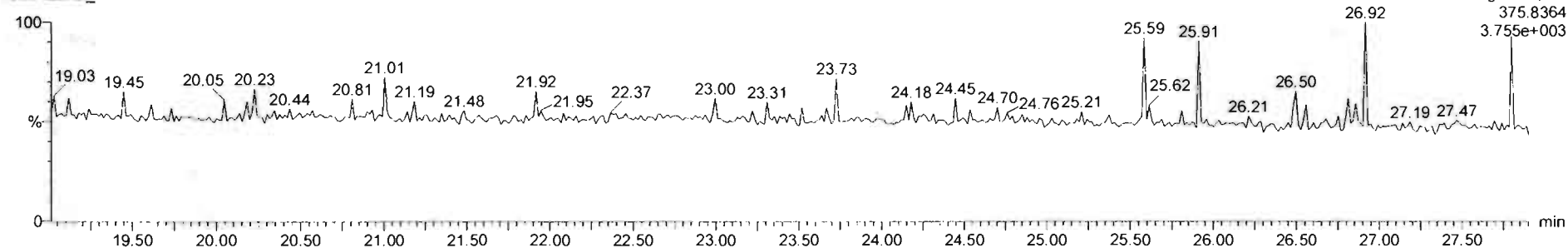


200429R2_8



DPE1

200429R2_8



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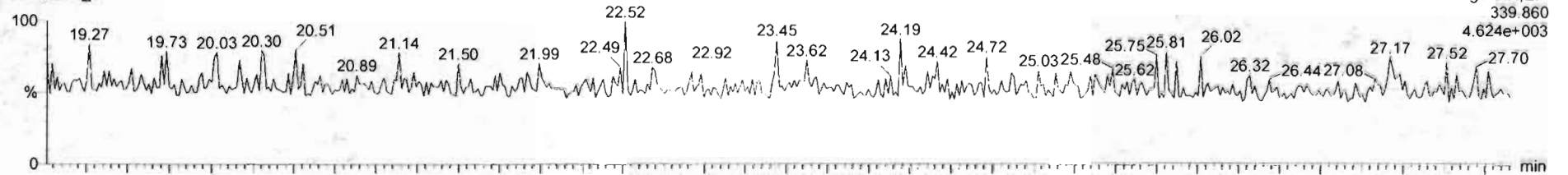
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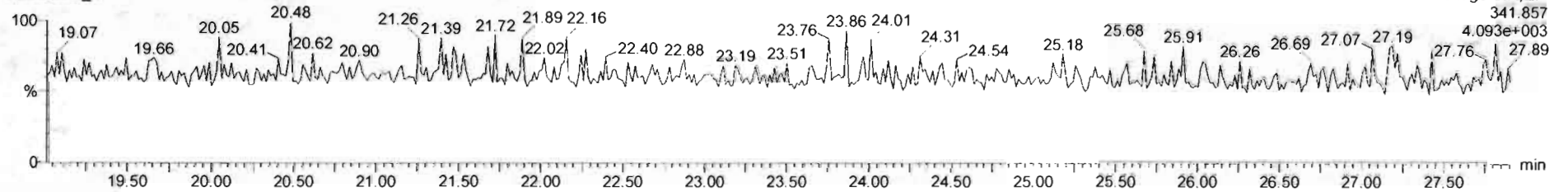
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200429R2_8

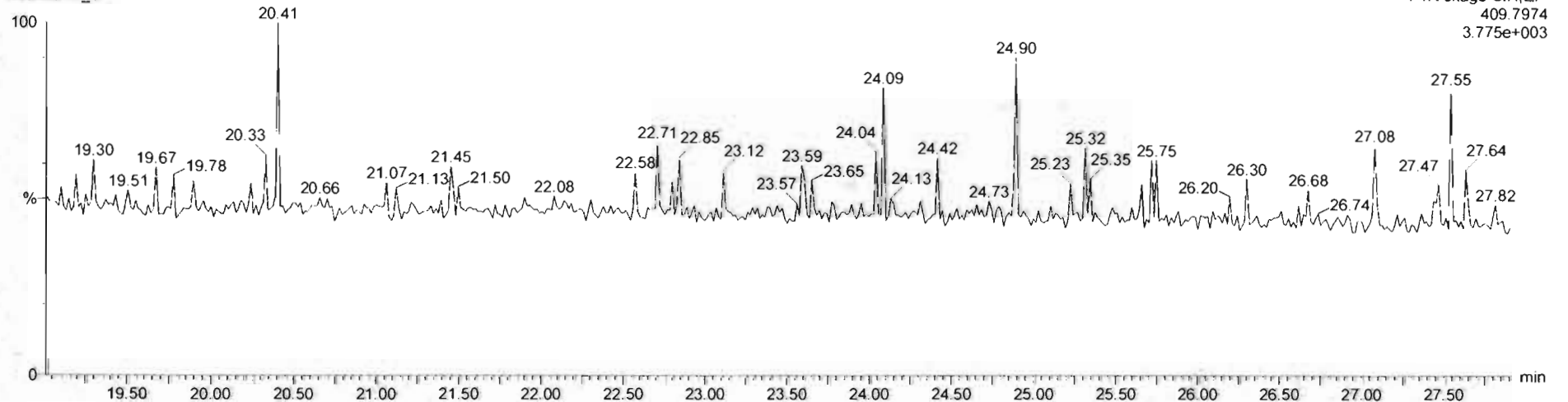


200429R2_8



DPE6

200429R2_8



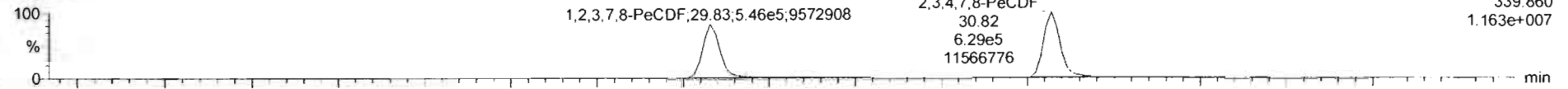
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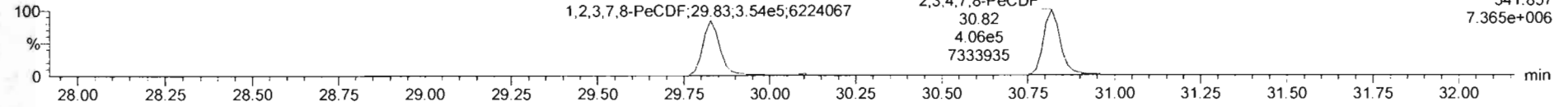
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1,2,3,7,8-PeCDF

200429R2_8

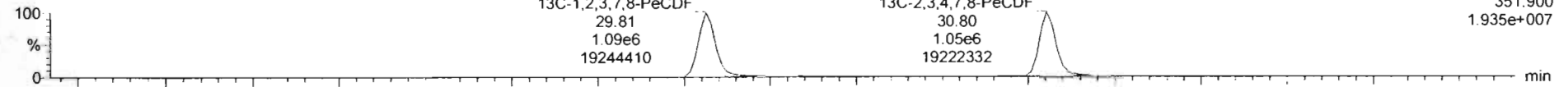


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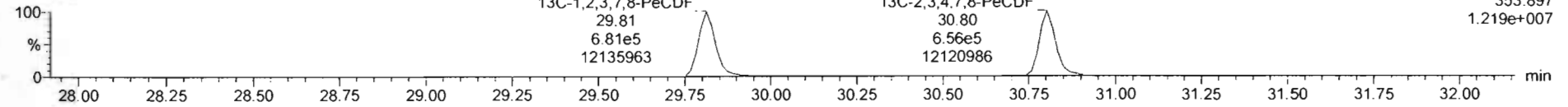


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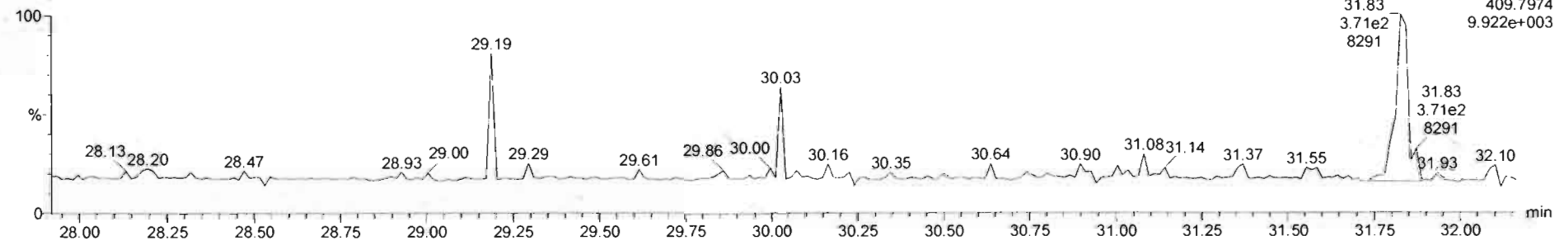


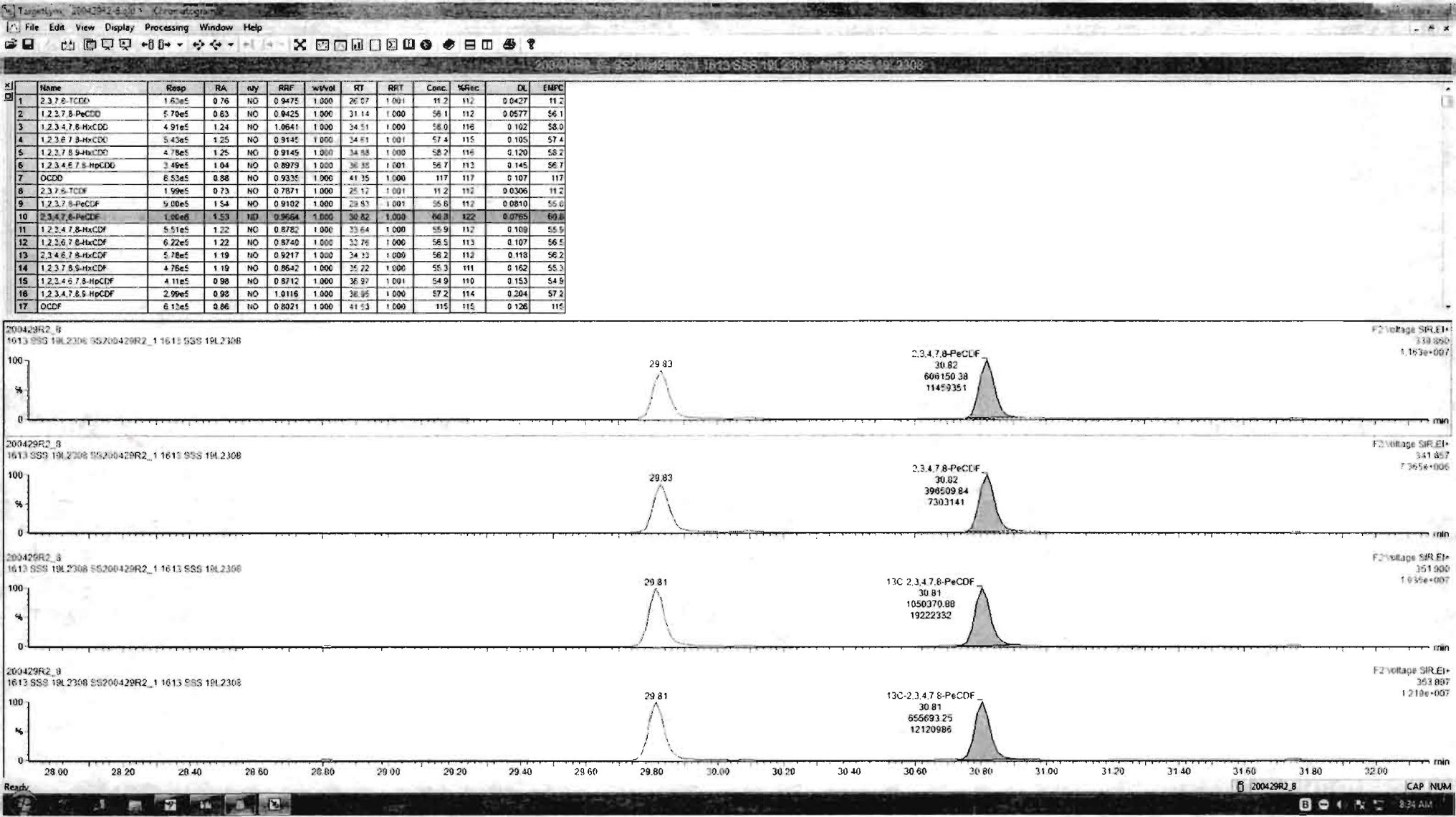
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DPE2

200429R2_8





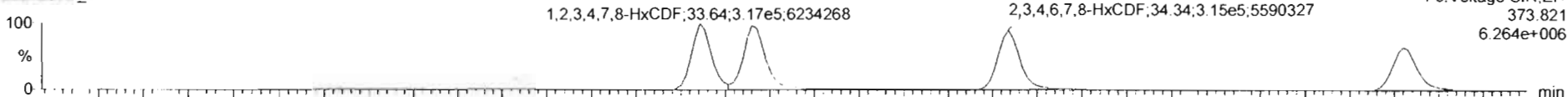
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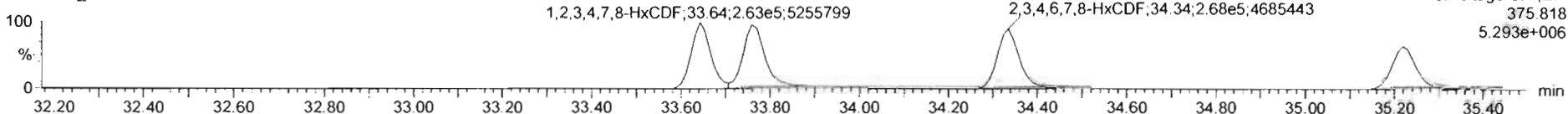
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1,2,3,4,7,8-HxCDF

200429R2_8

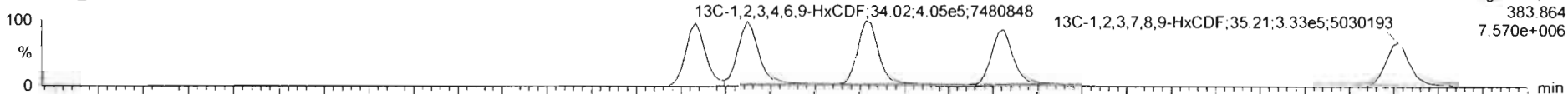


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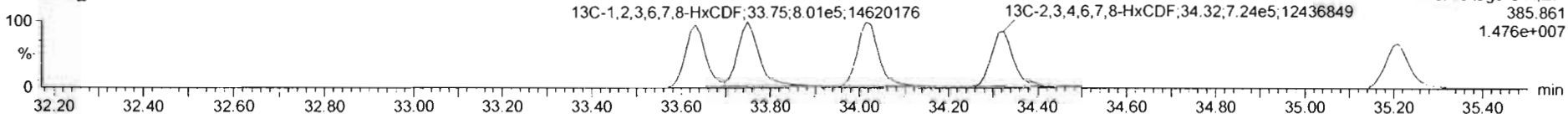


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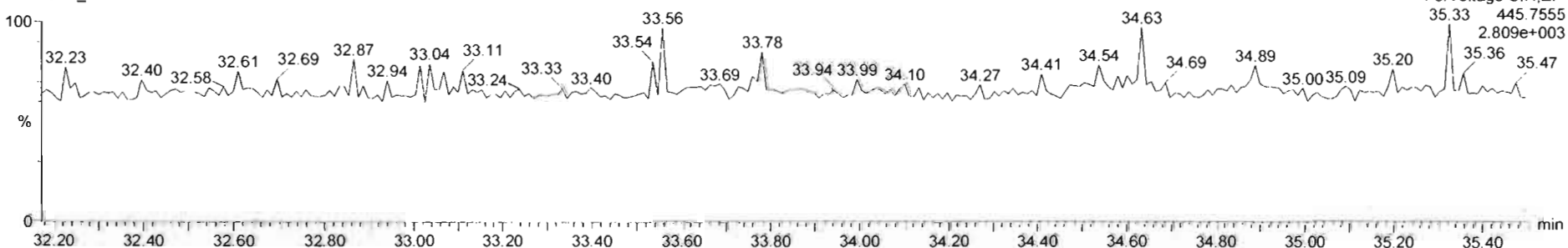


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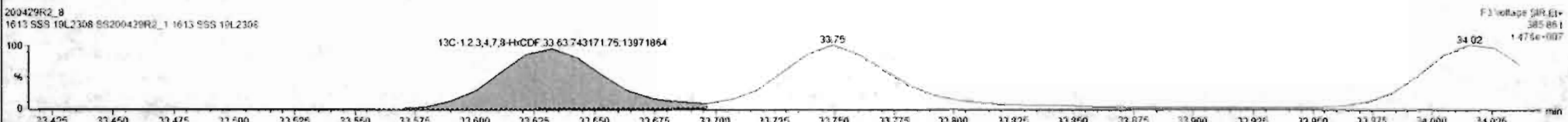
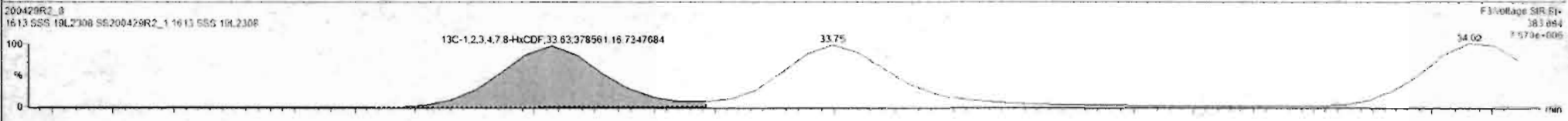
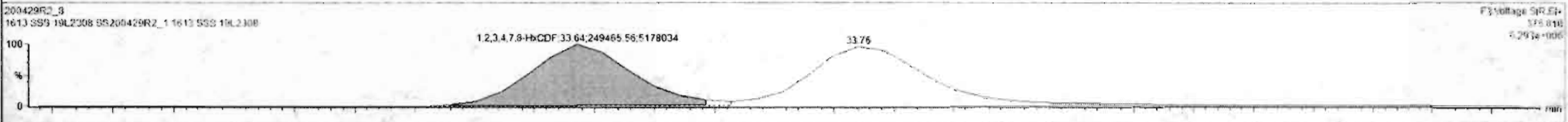
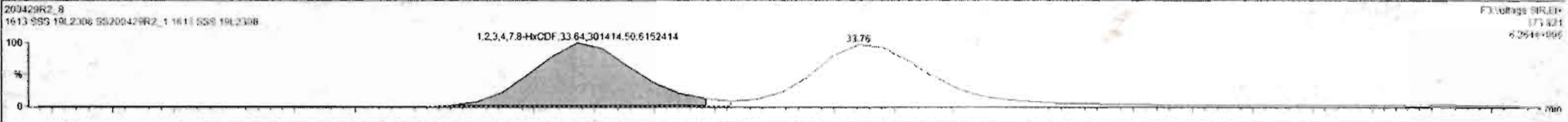
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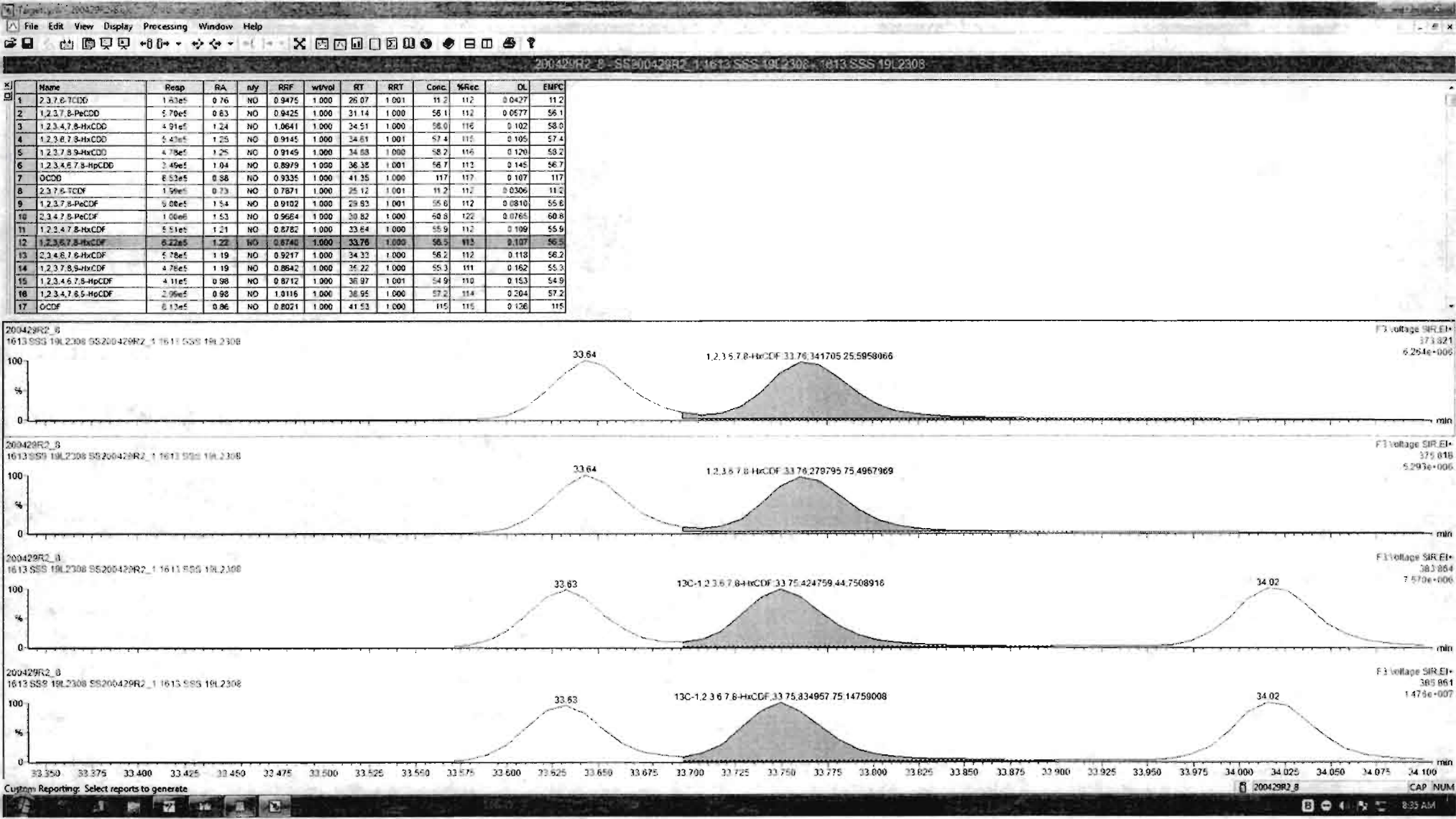
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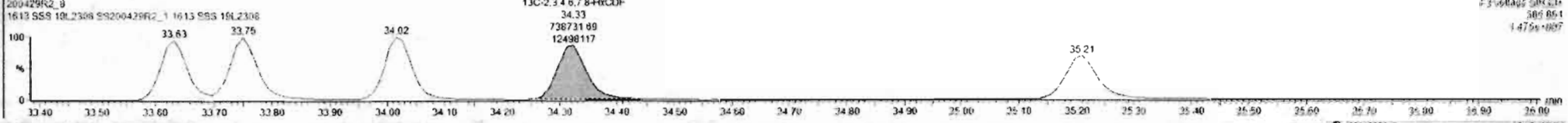
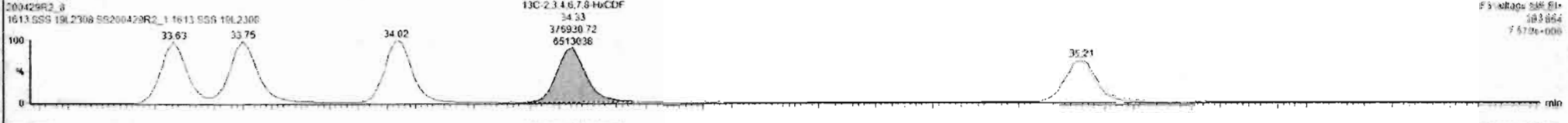
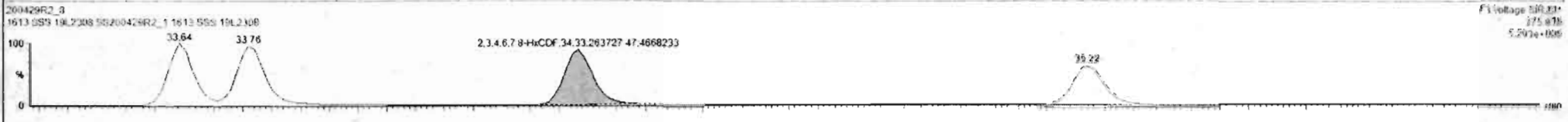
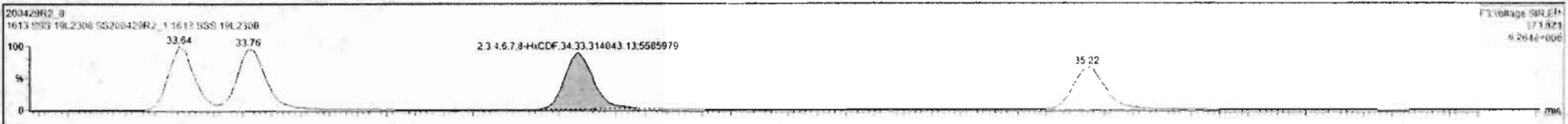
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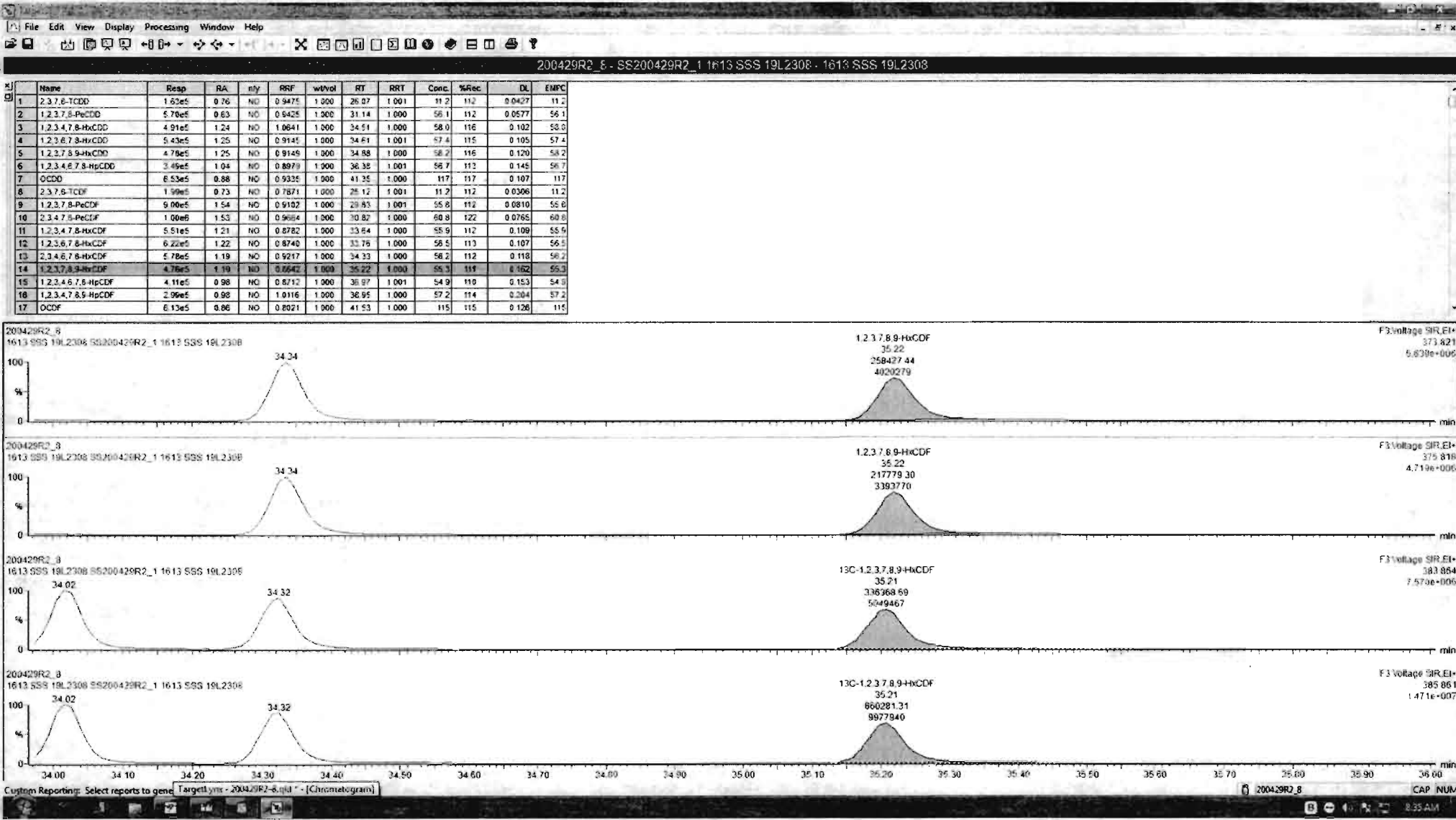
#	Name	Resp	RA	dy	RRF	wVol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDF	1.63e5	0.76	NO	0.9475	1.000	26.07	1.001	11.2	112	0.0427	11.2
2	1,2,3,7,8-PeCDF	5.79e5	0.83	NO	0.9425	1.000	31.14	1.000	56.1	112	0.0577	56.1
3	1,2,3,4,7,8-HxCDD	4.91e5	1.24	NO	1.0641	1.000	34.51	1.000	58.0	116	0.102	58.0
4	1,2,3,6,7,8-HxCDD	5.43e5	1.25	NO	0.9145	1.000	34.01	1.001	57.4	115	0.105	57.4
5	1,2,3,7,8,9-HxCDD	4.78e5	1.25	NO	0.9149	1.000	34.08	1.000	58.2	116	0.120	58.2
6	1,2,3,4,6,7,8-HpCDD	3.45e5	1.04	NO	0.8979	1.000	36.36	1.001	56.7	113	0.145	56.7
7	OCDD	6.53e5	0.88	NO	0.9335	1.000	41.35	1.000	117	117	0.107	117
8	2,3,7,8-TCDF	1.99e5	0.73	NO	0.7871	1.000	25.12	1.001	11.2	112	0.0306	11.2
9	1,2,3,7,8-PeCDF	9.08e5	1.54	NO	0.9192	1.000	29.93	1.001	55.6	112	0.0810	55.6
10	2,3,4,7,8-PeCDF	1.00e5	1.53	NO	0.9664	1.000	30.82	1.000	60.8	122	0.0765	60.8
11	1,2,3,4,7,8-HxCDF	5.51e5	1.31	NO	0.6782	1.000	33.64	1.000	55.9	112	0.109	55.9
12	1,2,3,6,7,8-HxCDF	6.22e5	1.22	NO	0.8740	1.000	33.76	1.000	56.5	113	0.107	56.5
13	2,3,4,6,7,8-HxCDF	5.78e5	1.19	NO	0.9217	1.000	34.33	1.000	56.2	112	0.118	56.2
14	1,2,3,7,8,9-HxCDF	4.78e5	1.19	NO	0.8642	1.000	35.22	1.000	55.3	111	0.162	55.3
15	1,2,3,4,6,7,8-HpCDF	4.11e5	0.98	NO	0.8712	1.000	36.97	1.001	54.9	110	0.153	54.9
16	1,2,3,4,7,8,9-HpCDF	2.96e5	0.98	NO	1.0116	1.000	36.95	1.000	57.2	114	0.204	57.2
17	OCDF	6.13e5	0.86	NO	0.8021	1.000	41.53	1.000	115	115	0.126	115





#	Name	Resp	RA	nly	RRF	wtvol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.63e5	0.76	NO	0.9475	1.000	26.07	1.001	11.7	11.2	0.0427	11.2
2	1,2,3,7,8-PeCDD	5.70e5	0.83	NO	0.9425	1.000	31.14	1.000	56.1	11.2	0.0577	56.1
3	1,2,3,4,7,8-HxCDD	4.91e5	1.24	NO	1.0641	1.000	34.51	1.000	58.0	11.6	0.102	58.0
4	1,2,3,6,7,8-HxCDD	5.43e5	1.25	NO	0.9145	1.000	34.61	1.001	57.4	11.6	0.105	57.4
5	1,2,3,7,8,9-HxCDD	4.78e5	1.25	NO	0.9145	1.000	34.88	1.000	58.2	11.6	0.120	58.2
6	1,2,3,4,6,7,8-HpCDD	3.45e5	1.04	NO	0.8979	1.000	36.38	1.001	58.7	11.3	0.145	56.7
7	OCDD	6.53e5	0.88	NO	0.9335	1.000	41.35	1.000	117	11.7	0.107	117
8	2,3,7,8-TCDF	1.59e5	0.73	NO	0.7871	1.000	25.12	1.001	11.2	11.2	0.0306	11.2
9	1,2,3,7,8-PeCDF	9.00e5	1.54	NO	0.9102	1.000	29.83	1.001	55.8	11.2	0.0810	55.6
10	2,3,4,7,8-PeCDF	1.00e6	1.52	NO	0.9654	1.000	29.82	1.000	60.8	12.2	0.0765	60.8
11	1,2,3,4,7,8-HxCDF	5.51e5	1.21	NO	0.8782	1.000	33.64	1.000	55.9	11.2	0.109	55.9
12	1,2,3,6,7,8-HxCDF	6.22e5	1.22	NO	0.8740	1.000	33.76	1.000	56.5	11.3	0.107	56.5
13	2,3,4,6,7,8-HxCDF	5.79e5	1.18	NO	0.9217	1.000	34.33	1.000	56.2	11.2	0.118	56.2
14	1,2,3,7,8,9-HxCDF	4.76e5	1.19	NO	0.8642	1.000	35.22	1.000	55.3	11.1	0.162	55.3
15	1,2,3,4,6,7,8-HpCDF	4.11e5	0.98	NO	0.8712	1.000	36.97	1.001	54.9	11.0	0.153	54.9
16	1,2,3,4,7,8,9-HoCDF	2.96e5	0.98	NO	1.0116	1.000	36.95	1.000	57.2	11.4	0.204	57.2
17	OCDF	6.13e5	0.86	NO	0.8021	1.000	41.53	1.000	115	11.6	0.126	115





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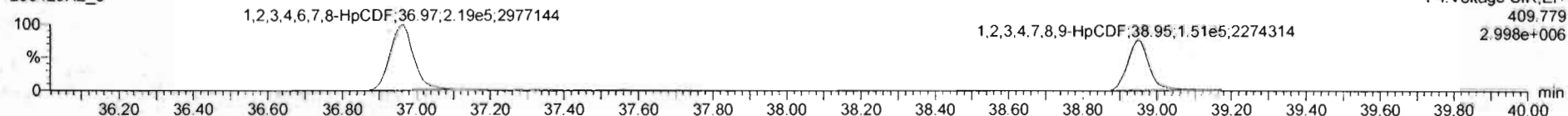
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1,2,3,4,6,7,8-HpCDF

200429R2_8

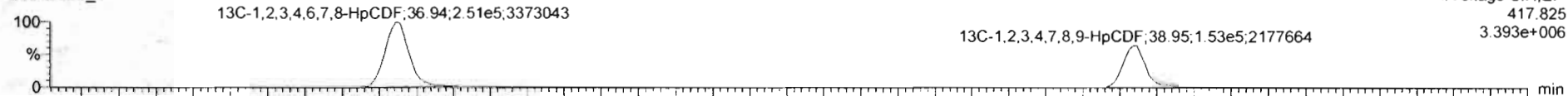


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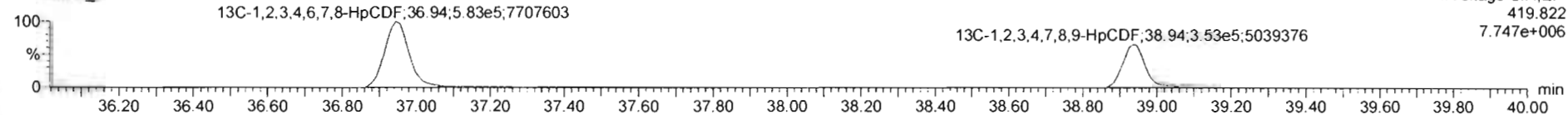


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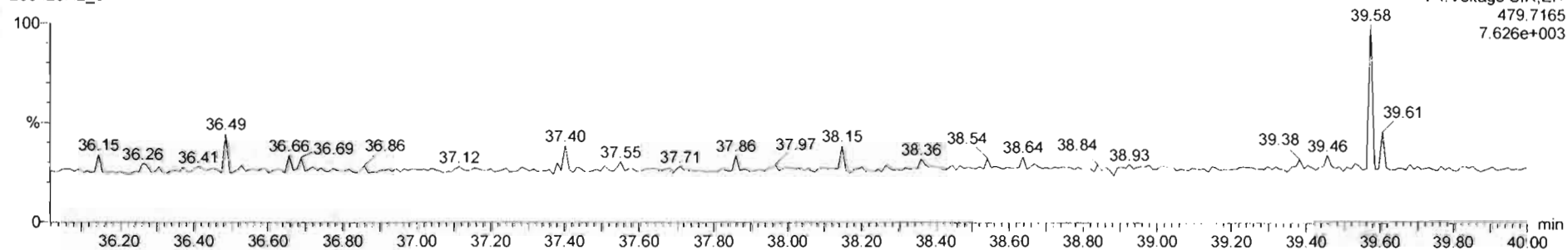


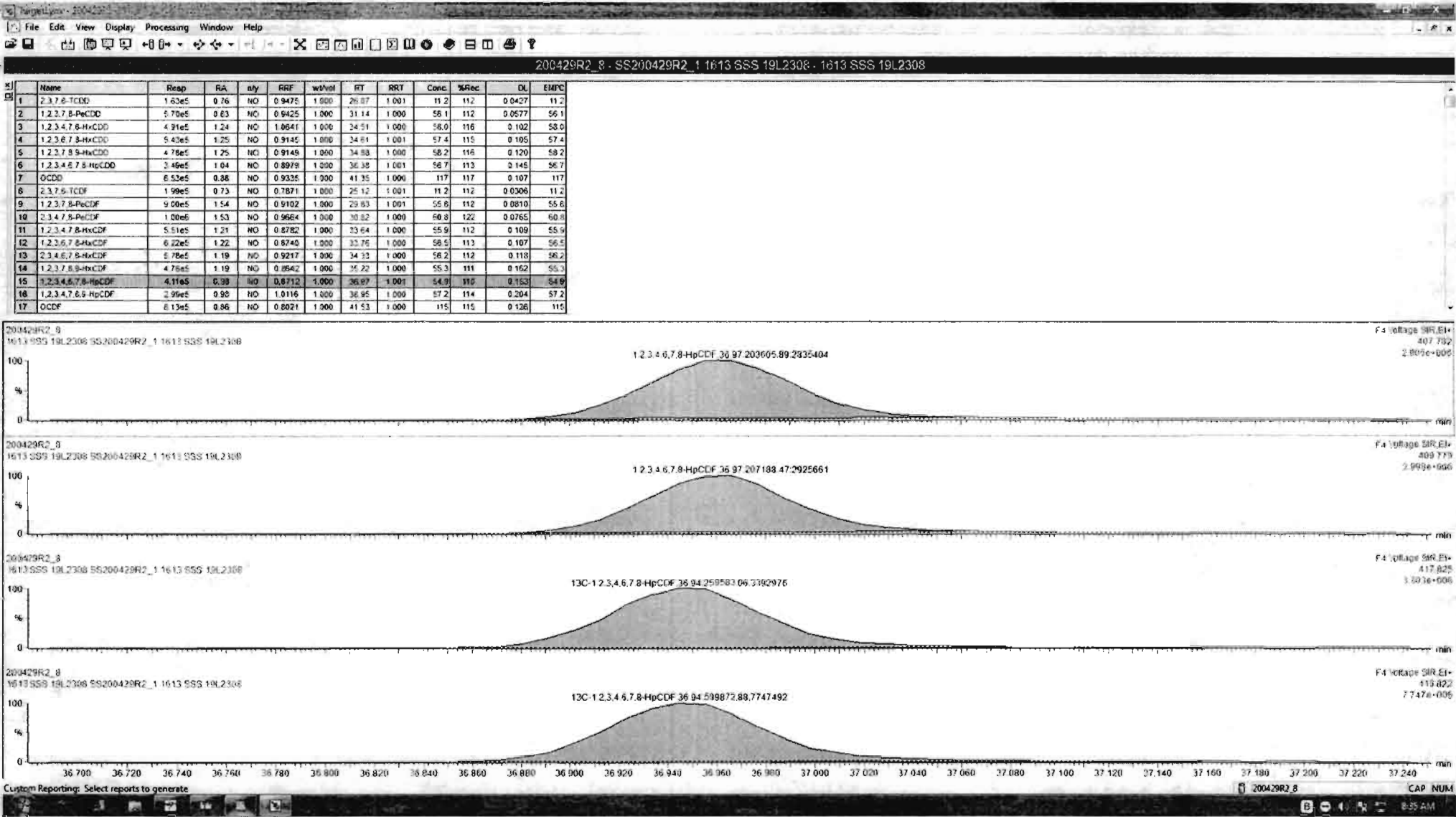
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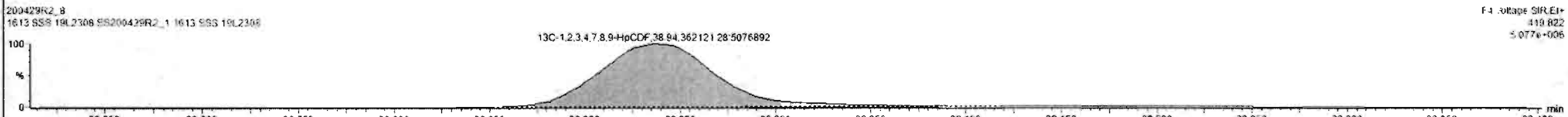
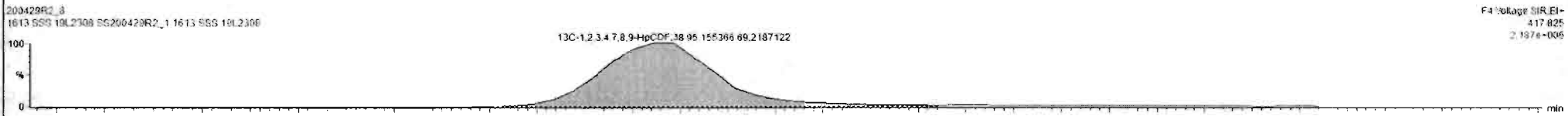
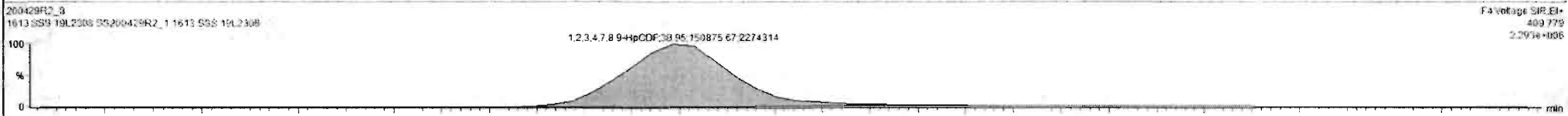
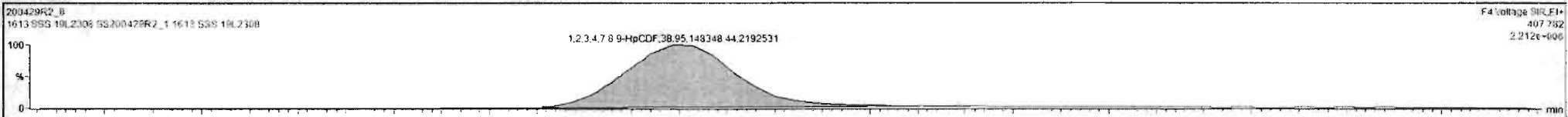
DPE4

200429R2_8





Name	Resp	RA	dy	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.63e5	0.76	NO	0.9475	1.000	26.07	1.001	11.2	11.2	0.0427	11.2
2 1,2,3,7,8-PeCDD	4.70e5	0.83	NO	0.9425	1.000	31.14	1.000	58.1	11.2	0.0577	56.1
3 1,2,3,4,7,8-HxCDD	4.91e5	1.24	NO	1.0641	1.000	34.51	1.000	58.0	11.6	0.102	58.0
4 1,2,3,6,7,8-HxCDD	5.43e5	1.25	NO	0.9145	1.000	34.61	1.001	57.4	11.5	0.105	57.4
5 1,2,3,7,8,9-HxCDD	4.76e5	1.25	NO	0.9145	1.000	34.68	1.000	58.2	11.6	0.120	58.2
6 1,2,3,4,6,7,8-HpCDD	3.45e5	1.04	NO	0.8979	1.000	36.35	1.001	56.7	11.2	0.145	56.7
7 OCDD	6.53e5	0.88	NO	0.9335	1.000	41.35	1.000	117	11.7	0.107	117
8 2,3,7,8-TCDF	1.99e5	0.73	NO	0.7871	1.000	25.12	1.001	11.2	11.2	0.0306	11.2
9 1,2,3,7,8-PeCDF	9.00e5	1.54	NO	0.9102	1.000	29.63	1.001	55.6	11.2	0.0810	55.6
10 2,3,4,7,8-PeCDF	1.00e5	1.53	NO	0.9664	1.000	30.82	1.000	60.8	12.2	0.0765	60.8
11 1,2,3,4,7,8-HxCDF	5.51e5	1.21	NO	0.8782	1.000	33.84	1.000	55.9	11.2	0.109	55.9
12 1,2,3,6,7,8-HxCDF	6.22e5	1.22	NO	0.8740	1.000	33.76	1.000	58.5	11.3	0.107	56.5
13 2,3,4,6,7,8-HxCDF	4.78e5	1.19	NO	0.9217	1.000	34.33	1.000	56.2	11.2	0.118	56.2
14 1,2,3,7,8,9-HxCDF	4.76e5	1.19	NO	0.8642	1.000	34.22	1.000	55.3	11.1	0.162	55.3
15 1,2,3,4,6,7,8-HpCDF	4.11e5	0.86	NO	0.8712	1.000	35.97	1.001	54.9	11.0	0.153	54.9
16 1,2,3,4,7,8,9-HpCDF	2.95e5	0.96	NO	1.0115	1.000	35.95	1.000	57.2	11.4	0.204	57.2
17 OCDF	6.13e5	0.86	NO	0.8021	1.000	41.53	1.000	115	11.5	0.126	115

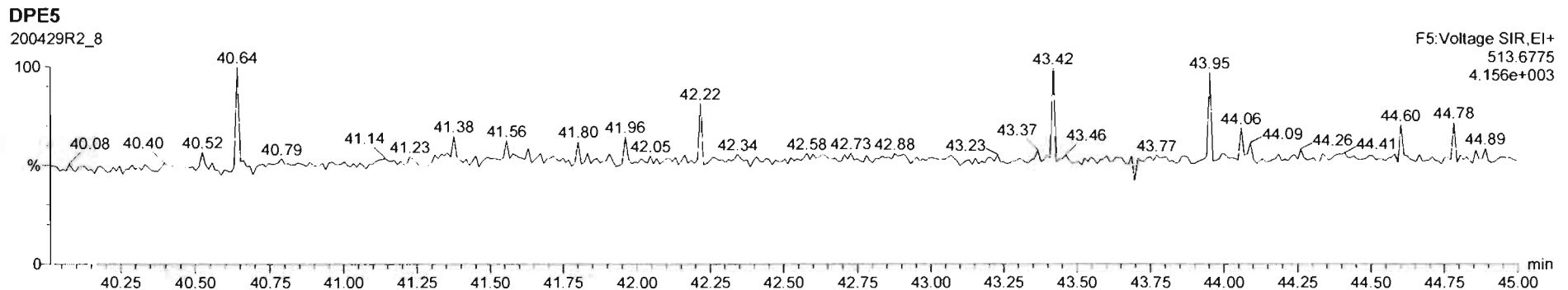
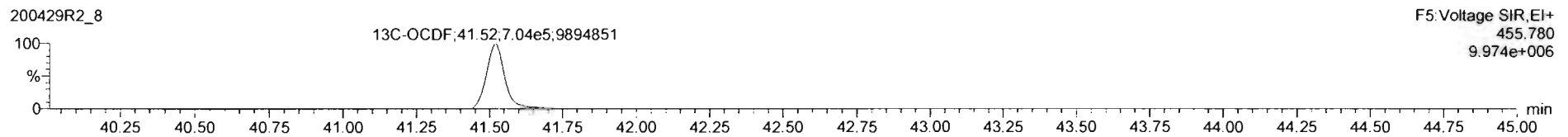
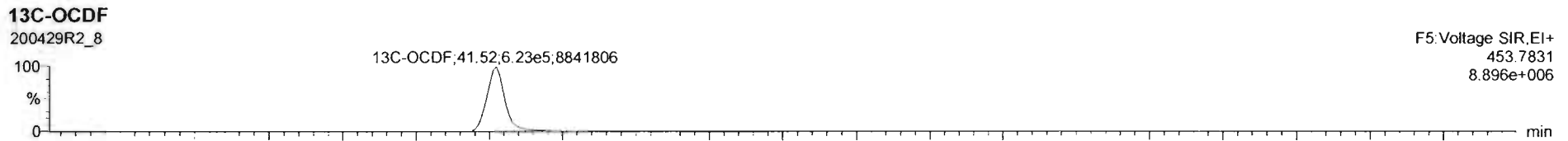
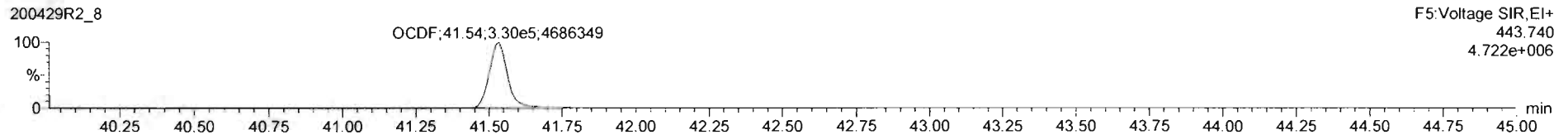
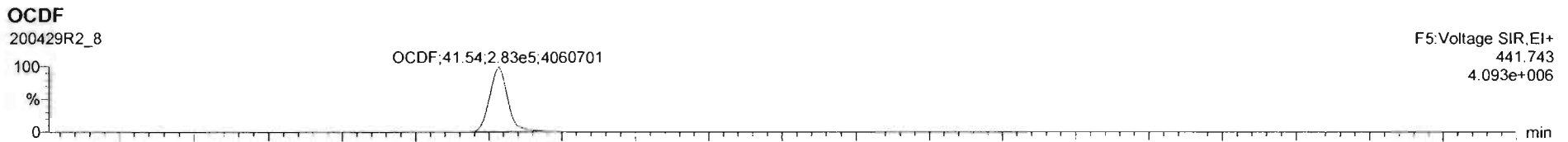


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Printed: Thursday, April 30, 2020 8:38:30 AM Pacific Daylight Time

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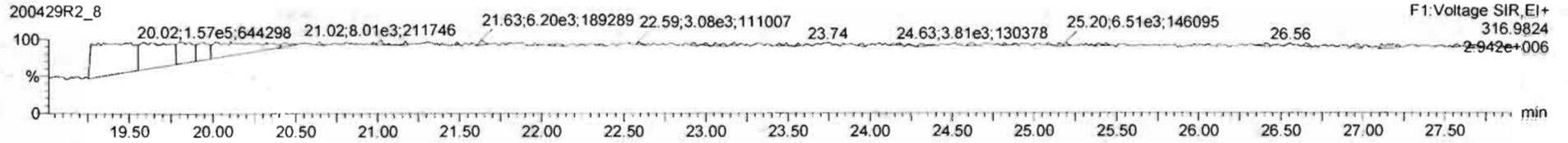
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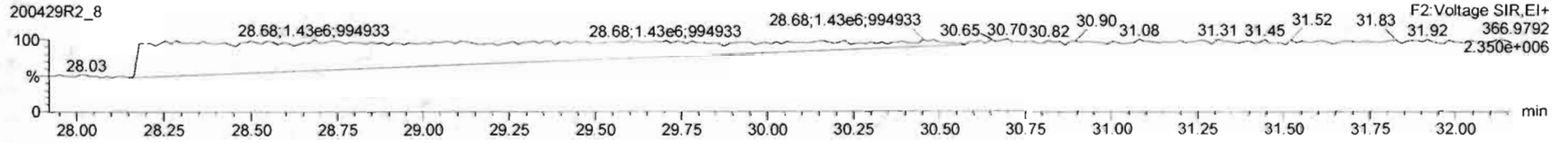
Printed: Thursday, April 30, 2020 8:38:30 AM Pacific Daylight Time

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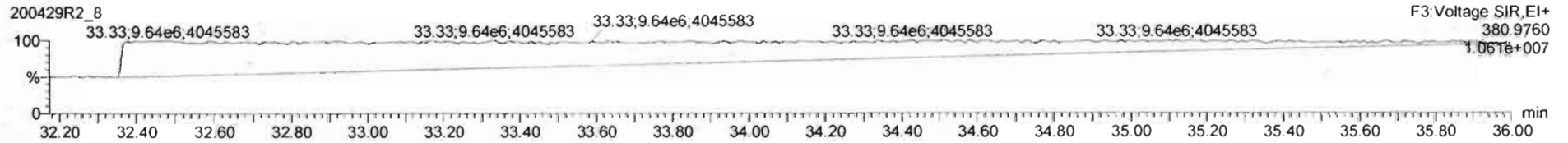
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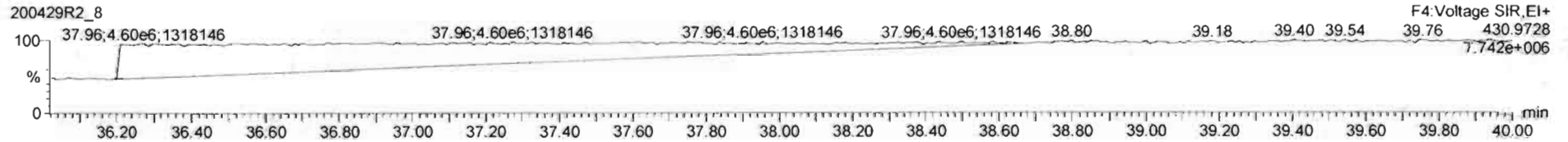
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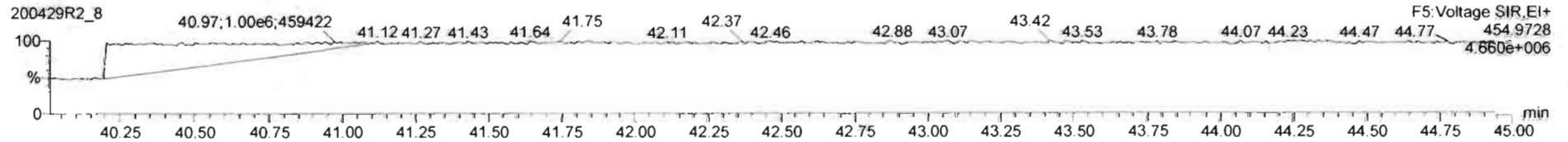
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PFK4



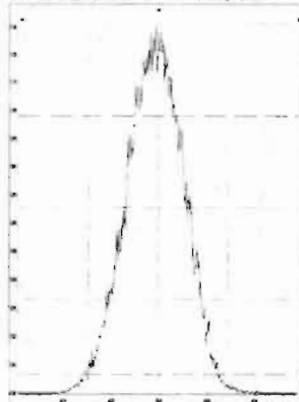
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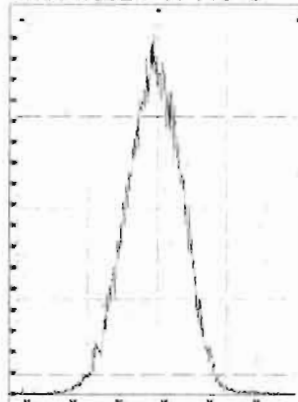
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, April 30, 2020 07:17:15 Pacific Daylight Time

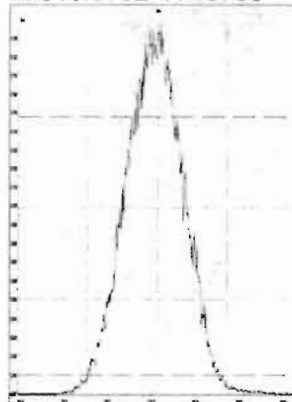
M 292.9824 R 10689



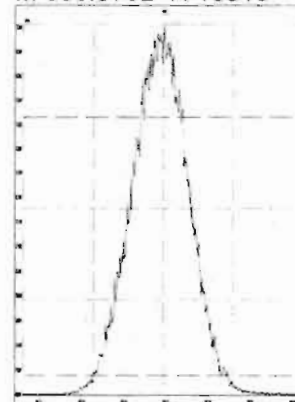
M 304.9824 R 11016



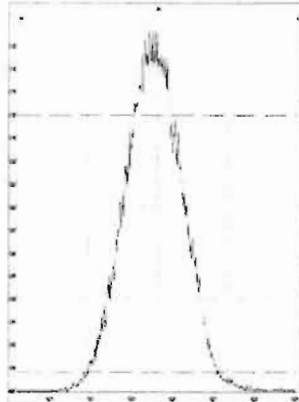
M 318.9792 R 10730



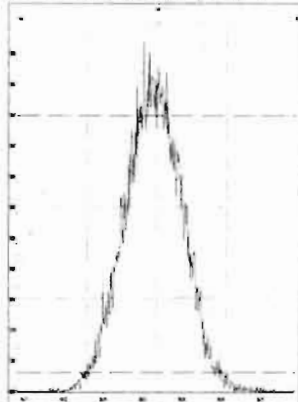
M 330.9792 R 10915



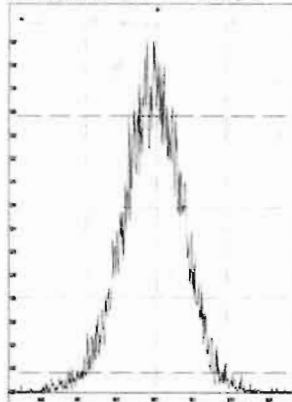
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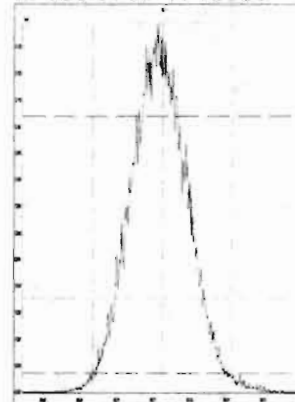
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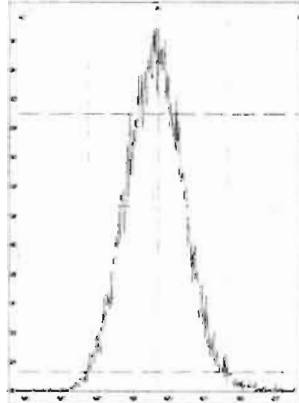
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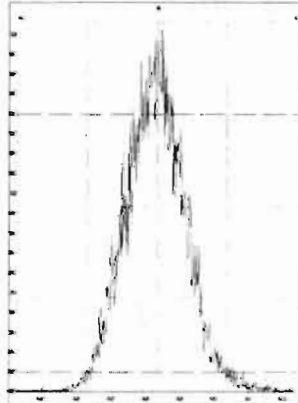
M 380.9760 R 10869



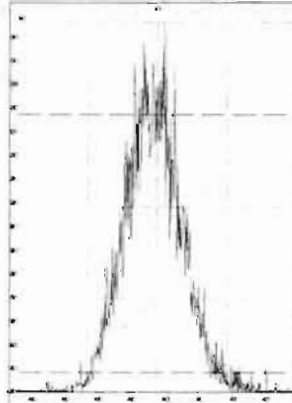
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M 404.9760 R 10370



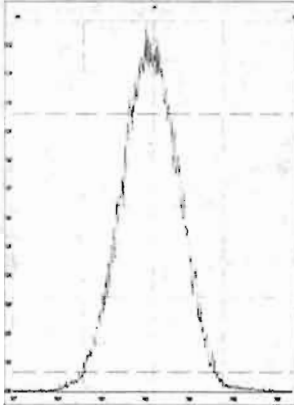
M 416.9760 R 11012



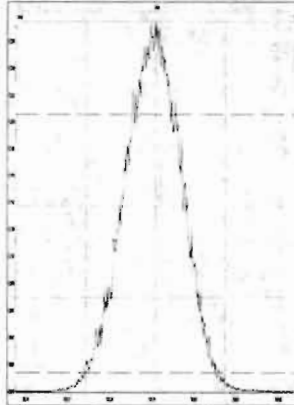
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, April 30, 2020 07:17:40 Pacific Daylight Time

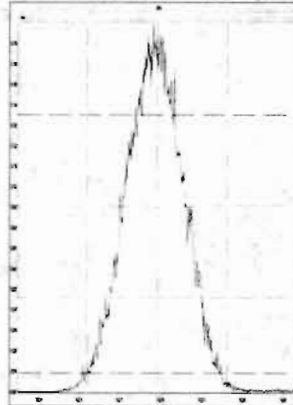
M 318.9792 R 10731



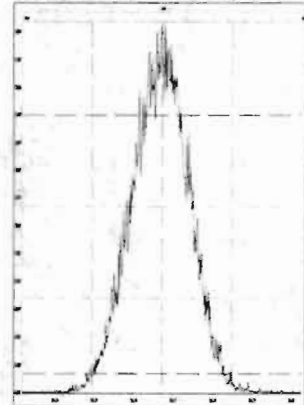
M 330.9792 R 10547



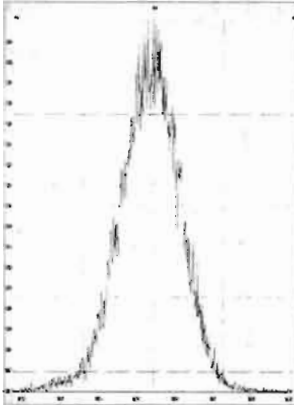
M 342.9792 R 10640



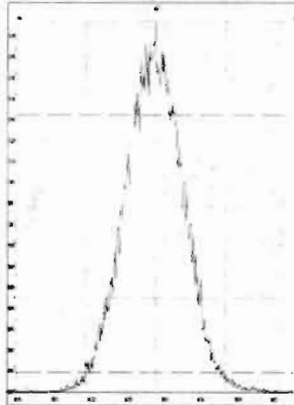
M 354.9792 R 10822



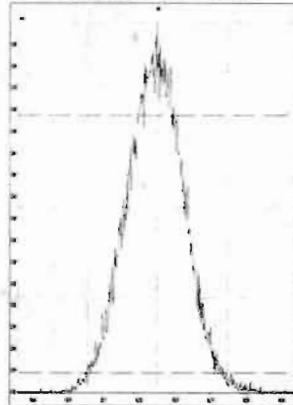
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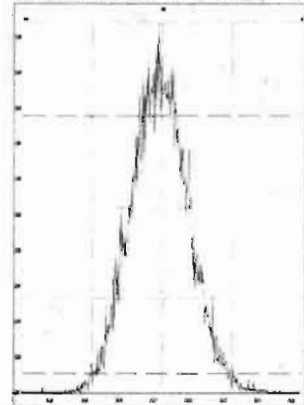
M 380.9760 R 10374



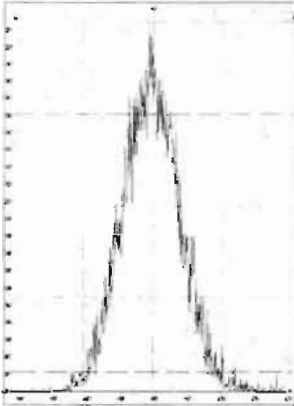
M 392.9760 R 10329



M 404.9760 R 10730



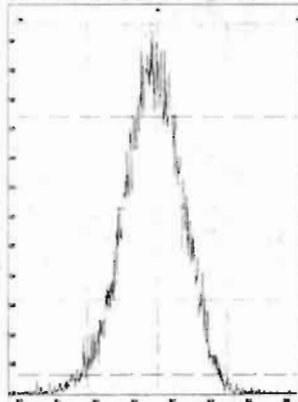
M 416.9760 R 12018



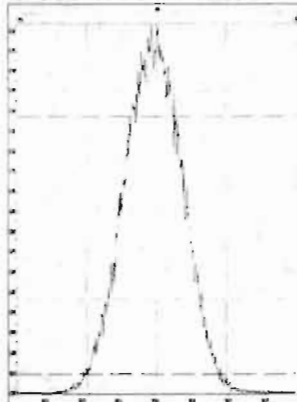
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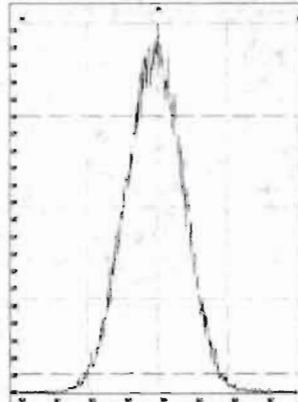
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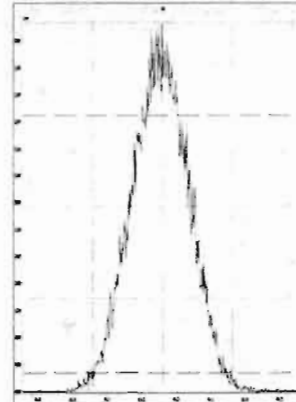
M 380.9760 R 10590



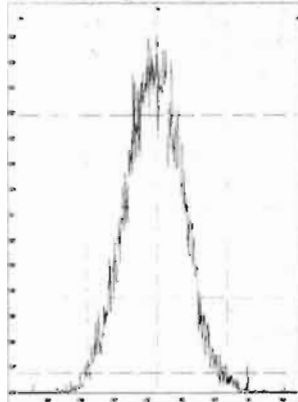
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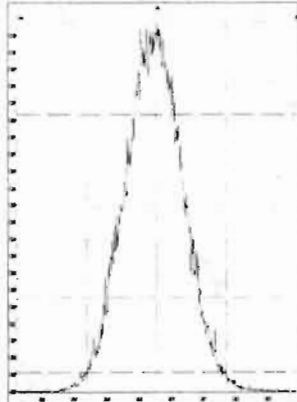
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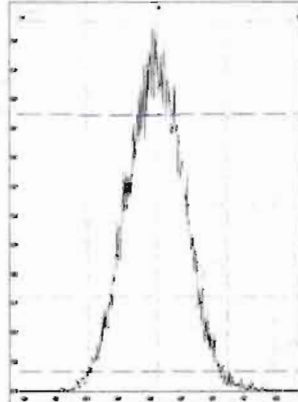
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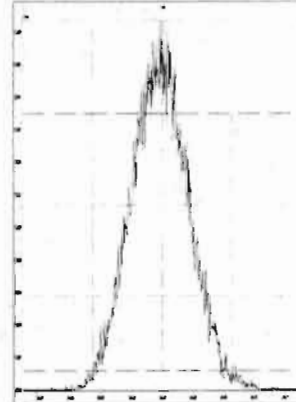
M 430.9728 R 10415



M 442.9728 R 10730



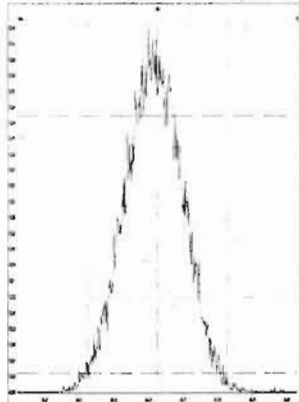
M 454.9728 R 11260



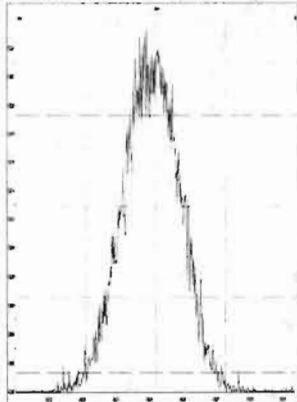
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Printed: Thursday, April 30, 2020 07:18:12 Pacific Daylight Time

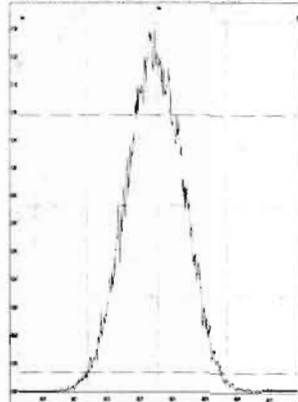
M 404.9760 R 10682



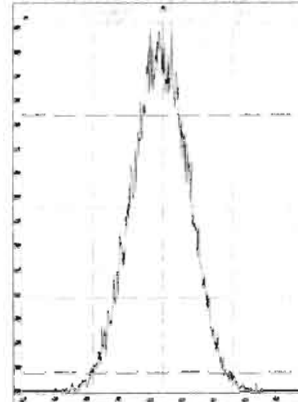
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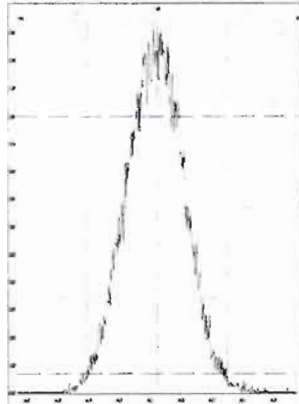
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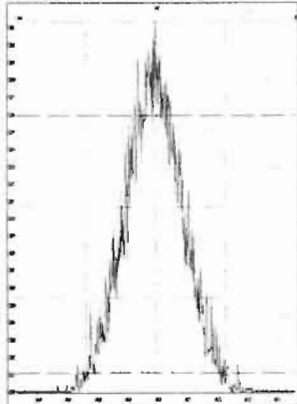
M 442.9728 R 10505



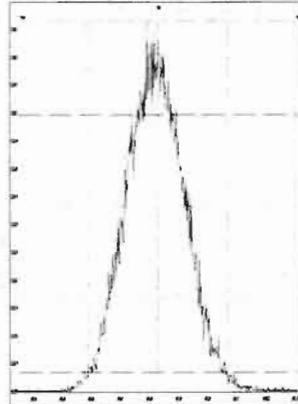
M 454.9728 R 10460



M 466.9728 R 10591



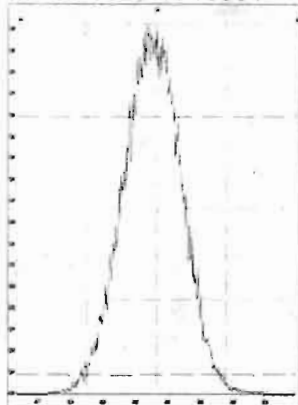
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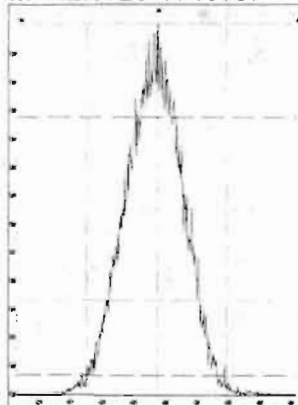
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Printed: Thursday, April 30, 2020 07:18:29 Pacific Daylight Time

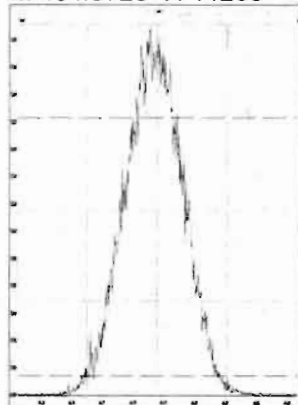
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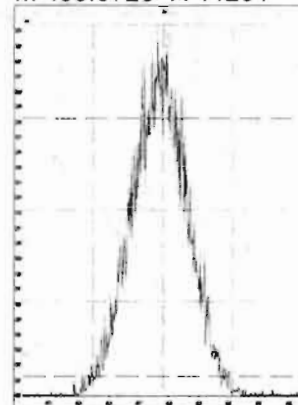
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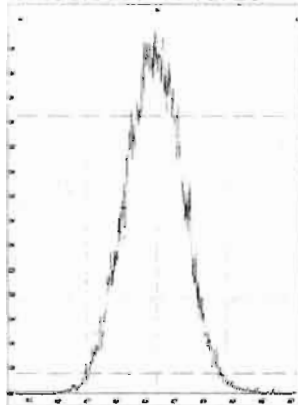
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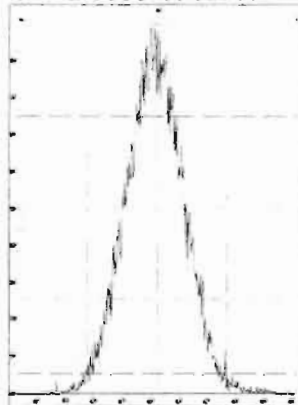
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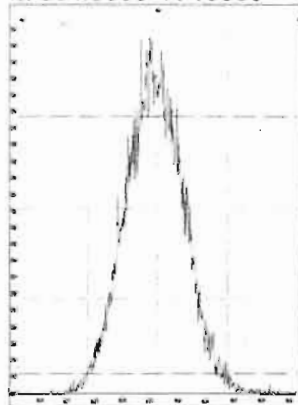
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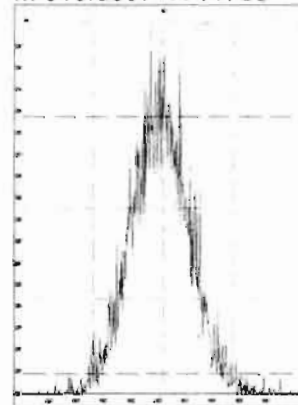
M 492.9696 R 10867



M 504.9696 R 10869



M 516.9697 R 11738



Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

Last Altered: Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time
 Printed: Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

GRB 05/29/2020

CI 05/29/2020

Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17
 Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Compound name: 2,3,7,8-TCDD

Response Factor: 0.88831
 RRF SD: 0.0677802, Relative SD: 7.63025
 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	200528R2_1	0.250	0.68	NO	26.54	1.000	2.70e3	1.43e6	0.213	-14.8	0.757	bb
2	200528R2_2	0.500	0.78	NO	26.57	1.001	5.69e3	1.29e6	0.497	-0.6	0.883	bb
3	200528R2_3	2.00	0.80	NO	26.57	1.001	2.40e4	1.31e6	2.06	3.1	0.916	bb
4	200528R2_4	40.0	0.78	NO	26.56	1.001	5.50e5	1.50e6	41.2	3.0	0.915	bb
5	200528R2_5	300	0.78	NO	26.59	1.001	4.32e6	1.52e6	321	6.9	0.949	bb
6	200528R2_6	10.0	0.81	NO	26.59	1.001	1.06e5	1.16e6	10.2	2.4	0.910	dd

Compound name: 1,2,3,7,8-PeCDD

Response Factor: 0.908065
 RRF SD: 0.0455724, Relative SD: 5.01862
 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	200528R2_1	1.25	0.66	NO	31.50	1.000	1.03e4	1.00e6	1.12	-10.0	0.817	bb
2	200528R2_2	2.50	0.64	NO	31.51	1.000	2.12e4	9.36e5	2.50	-0.1	0.908	bb
3	200528R2_3	10.0	0.63	NO	31.51	1.000	8.60e4	9.29e5	10.2	1.9	0.926	bb
4	200528R2_4	200	0.63	NO	31.51	1.000	2.06e6	1.11e6	205	2.4	0.930	bb
5	200528R2_5	1500	0.63	NO	31.51	1.000	1.69e7	1.21e6	1550	3.0	0.935	bb
6	200528R2_6	50.0	0.62	NO	31.53	1.001	3.95e5	8.48e5	51.3	2.7	0.932	bb

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

Last Altered: Thursday, May 28, 2020 4:52:08 PM Pacific Daylight Time

Printed: Friday, May 29, 2020 7:37:47 AM Pacific Daylight Time

Compound name: 1,2,3,4,7,8-HxCDD

Response Factor: 1.03343

RRF SD: 0.0545572, Relative SD: 5.27925

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	200528R2_1	1.25	1.27	NO	34.86	1.000	8.03e3	6.95e5	1.12	-10.6	0.924	MM
2	200528R2_2	2.50	1.27	NO	34.88	1.000	1.69e4	6.46e5	2.53	1.2	1.05	bd
3	200528R2_3	10.0	1.24	NO	34.88	1.000	6.94e4	6.61e5	10.2	1.6	1.05	bd
4	200528R2_4	200	1.23	NO	34.88	1.001	1.67e6	7.89e5	204	2.1	1.06	MM
5	200528R2_5	1500	1.23	NO	34.88	1.000	1.47e7	9.34e5	1520	1.5	1.05	bd
6	200528R2_6	50.0	1.23	NO	34.89	1.000	3.25e5	6.04e5	52.1	4.1	1.08	bd

Compound name: 1,2,3,6,7,8-HxCDD

Response Factor: 0.892293

RRF SD: 0.0561127, Relative SD: 6.28859

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	200528R2_1	1.25	1.23	NO	34.97	1.001	9.27e3	9.27e5	1.12	-10.3	0.800	db
2	200528R2_2	2.50	1.25	NO	34.99	1.001	1.90e4	8.61e5	2.47	-1.1	0.883	db
3	200528R2_3	10.0	1.24	NO	34.99	1.000	8.01e4	8.39e5	10.7	7.0	0.954	db
4	200528R2_4	200	1.22	NO	34.99	1.001	1.92e6	1.03e6	209	4.3	0.931	MM
5	200528R2_5	1500	1.23	NO	34.99	1.000	1.61e7	1.17e6	1550	3.5	0.923	db
6	200528R2_6	50.0	1.24	NO	35.00	1.001	3.51e5	8.15e5	48.3	-3.4	0.862	db

Compound name: 1,2,3,7,8,9-HxCDD

Response Factor: 0.886936

RRF SD: 0.0582559, Relative SD: 6.56822

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	200528R2_1	1.25	1.20	NO	35.25	1.000	8.14e3	8.33e5	1.10	-11.9	0.782	bb
2	200528R2_2	2.50	1.21	NO	35.27	1.001	1.62e4	7.48e5	2.44	-2.3	0.866	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	200528R2_3	10.0	1.26	NO	35.26	1.000	7.01e4	7.53e5	10.5	4.9	0.931	bb
4	200528R2_4	200	1.20	NO	35.26	1.000	1.70e6	9.12e5	210	4.9	0.931	bb
5	200528R2_5	1500	1.22	NO	35.27	1.000	1.47e7	1.06e6	1570	4.5	0.927	bb
6	200528R2_6	50.0	1.24	NO	35.27	1.000	3.12e5	7.05e5	49.9	-0.2	0.886	bb

Compound name: 1,2,3,4,6,7,8-HpCDD

Response Factor: 0.863903

RRF SD: 0.0694586, Relative SD: 8.04009

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	200528R2_1	1.25	0.99	NO	38.78	1.000	6.10e3	6.48e5	1.09	-12.8	0.753	MM
2	200528R2_2	2.50	1.05	NO	38.81	1.001	1.21e4	6.01e5	2.33	-6.7	0.806	bb
3	200528R2_3	10.0	1.03	NO	38.80	1.000	4.99e4	5.57e5	10.4	3.7	0.896	bd
4	200528R2_4	200	1.02	NO	38.80	1.000	1.25e6	6.86e5	211	5.5	0.911	bb
5	200528R2_5	1500	1.01	NO	38.81	1.000	1.15e7	8.18e5	1620	8.0	0.933	bb
6	200528R2_6	50.0	1.03	NO	38.81	1.000	2.29e5	5.18e5	51.2	2.4	0.884	MM

Compound name: OCDD

Response Factor: 0.913637

RRF SD: 0.0452527, Relative SD: 4.95303

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	200528R2_1	2.50	0.85	NO	41.76	1.000	1.23e4	1.18e6	2.27	-9.1	0.831	bd
2	200528R2_2	5.00	0.83	NO	41.77	1.000	2.39e4	1.05e6	4.97	-0.6	0.908	bd
3	200528R2_3	20.0	0.89	NO	41.78	1.000	9.89e4	1.03e6	21.0	4.9	0.959	MM
4	200528R2_4	400	0.87	NO	41.77	1.000	2.45e6	1.35e6	397	-0.6	0.908	MM
5	200528R2_5	3000	0.84	NO	41.79	1.000	2.37e7	1.67e6	3100	3.2	0.943	MM
6	200528R2_6	100	0.88	NO	41.78	1.000	4.53e5	9.71e5	102	2.2	0.933	MM

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Compound name: 2,3,7,8-TCDF

Response Factor: 0.75098

RF SD: 0.0524401, Relative SD: 6.98288

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	200528R2_1	0.250	0.73	NO	25.67	1.001	3.27e3	1.95e6	0.223	-10.9	0.669	bb
2	200528R2_2	0.500	0.75	NO	25.67	1.001	6.53e3	1.78e6	0.488	-2.3	0.733	bb
3	200528R2_3	2.00	0.74	NO	25.68	1.001	2.67e4	1.80e6	1.97	-1.4	0.740	bb
4	200528R2_4	40.0	0.76	NO	25.68	1.001	6.52e5	2.04e6	42.6	6.5	0.800	bb
5	200528R2_5	300	0.75	NO	25.69	1.001	5.00e6	2.04e6	326	8.6	0.816	bb
6	200528R2_6	10.0	0.74	NO	25.69	1.001	1.19e5	1.59e6	9.96	-0.4	0.748	bb

Compound name: 1,2,3,7,8-PeCDF

Response Factor: 0.892531

RRF SD: 0.0599961, Relative SD: 6.72201

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	200528R2_1	1.25	1.61	NO	30.20	1.000	1.46e4	1.50e6	1.09	-12.9	0.777	bb
2	200528R2_2	2.50	1.55	NO	30.23	1.000	3.08e4	1.37e6	2.52	0.8	0.900	bd
3	200528R2_3	10.0	1.55	NO	30.23	1.000	1.31e5	1.38e6	10.7	7.0	0.955	bb
4	200528R2_4	200	1.54	NO	30.23	1.000	2.94e6	1.63e6	203	1.4	0.905	bb
5	200528R2_5	1500	1.54	NO	30.23	1.000	2.38e7	1.75e6	1520	1.3	0.904	bb
6	200528R2_6	50.0	1.57	NO	30.25	1.000	5.72e5	1.25e6	51.2	2.5	0.915	bb

Compound name: 2,3,4,7,8-PeCDF

Response Factor: 0.934777

RRF SD: 0.0507076, Relative SD: 5.42456

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	200528R2_1	1.25	1.56	NO	31.19	1.000	1.48e4	1.42e6	1.12	-10.8	0.834	bb
2	200528R2_2	2.50	1.55	NO	31.21	1.000	3.19e4	1.35e6	2.52	0.8	0.943	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	200528R2_3	10.0	1.55	NO	31.21	1.000	1.34e5	1.38e6	10.4	3.7	0.969	bb
4	200528R2_4	200	1.54	NO	31.21	1.000	3.00e6	1.57e6	204	2.2	0.955	bb
5	200528R2_5	1500	1.53	NO	31.21	1.000	2.45e7	1.69e6	1550	3.4	0.967	bb
6	200528R2_6	50.0	1.57	NO	31.22	1.000	5.81e5	1.24e6	50.3	0.7	0.941	bb

Compound name: 1,2,3,4,7,8-HxCDF

Response Factor: 0.884459

RRF SD: 0.0674086, Relative SD: 7.62145

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	200528R2_1	1.25	1.25	NO	33.99	1.001	8.98e3	9.42e5	1.08	-13.8	0.762	bd
2	200528R2_2	2.50	1.19	NO	33.99	1.000	1.81e4	8.49e5	2.41	-3.7	0.852	bd
3	200528R2_3	10.0	1.22	NO	34.01	1.001	7.91e4	8.47e5	10.6	5.6	0.934	bd
4	200528R2_4	200	1.18	NO	33.99	1.000	1.87e6	1.02e6	208	3.9	0.919	bd
5	200528R2_5	1500	1.19	NO	34.01	1.000	1.61e7	1.15e6	1590	5.8	0.936	bd
6	200528R2_6	50.0	1.21	NO	34.01	1.000	3.56e5	7.87e5	51.1	2.2	0.904	bd

Compound name: 1,2,3,6,7,8-HxCDF

Response Factor: 0.889174

RRF SD: 0.0479606, Relative SD: 5.39384

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	200528R2_1	1.25	1.16	NO	34.11	1.001	1.07e4	1.07e6	1.12	-10.7	0.794	MM
2	200528R2_2	2.50	1.25	NO	34.12	1.000	2.16e4	9.70e5	2.50	0.1	0.890	MM
3	200528R2_3	10.0	1.28	NO	34.12	1.000	9.20e4	1.01e6	10.3	2.7	0.914	MM
4	200528R2_4	200	1.18	NO	34.12	1.001	2.16e6	1.18e6	206	2.8	0.914	db
5	200528R2_5	1500	1.19	NO	34.12	1.000	1.80e7	1.33e6	1520	1.2	0.900	db
6	200528R2_6	50.0	1.25	NO	34.13	1.000	4.22e5	9.14e5	51.9	3.8	0.923	MM

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Compound name: 2,3,4,6,7,8-HxCDF

Response Factor: 0.934102
 RRF SD: 0.0631666, Relative SD: 6.76228
 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	200528R2_1	1.25	1.09	NO	34.70	1.001	9.51e3	9.22e5	1.10	-11.7	0.825	bb
2	200528R2_2	2.50	1.26	NO	34.71	1.001	1.93e4	8.66e5	2.38	-4.7	0.890	bb
3	200528R2_3	10.0	1.25	NO	34.71	1.000	8.53e4	8.69e5	10.5	5.2	0.982	bd
4	200528R2_4	200	1.19	NO	34.71	1.001	2.00e6	1.04e6	207	3.3	0.965	bb
5	200528R2_5	1500	1.19	NO	34.72	1.001	1.72e7	1.18e6	1560	4.1	0.972	bb
6	200528R2_6	50.0	1.25	NO	34.72	1.000	3.88e5	8.00e5	51.9	3.9	0.971	bb

Compound name: 1,2,3,7,8,9-HxCDF

Response Factor: 0.870707
 RRF SD: 0.0533625, Relative SD: 6.12863
 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	200528R2_1	1.25	1.19	NO	35.61	1.001	7.48e3	7.73e5	1.11	-11.0	0.775	bb
2	200528R2_2	2.50	1.12	NO	35.61	1.000	1.48e4	7.04e5	2.42	-3.1	0.844	bb
3	200528R2_3	10.0	1.24	NO	35.62	1.000	6.49e4	7.27e5	10.3	2.5	0.892	bd
4	200528R2_4	200	1.20	NO	35.62	1.001	1.60e6	8.84e5	208	3.9	0.904	bb
5	200528R2_5	1500	1.20	NO	35.63	1.000	1.40e7	1.02e6	1580	5.6	0.919	bb
6	200528R2_6	50.0	1.22	NO	35.63	1.000	2.98e5	6.70e5	51.1	2.2	0.890	bb

Compound name: 1,2,3,4,6,7,8-HpCDF

Response Factor: 0.873391
 RRF SD: 0.0600077, Relative SD: 6.87065
 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	200528R2_1	1.25	1.03	NO	37.37	1.000	6.77e3	7.13e5	1.09	-13.1	0.759	bb
2	200528R2_2	2.50	0.94	NO	37.40	1.001	1.40e4	6.49e5	2.48	-0.9	0.866	bb

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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	200528R2_3	10.0	1.00	NO	37.40	1.001	5.72e4	6.48e5	10.1	1.0	0.883	bd
4	200528R2_4	200	0.99	NO	37.39	1.000	1.43e6	7.67e5	213	6.5	0.930	bb
5	200528R2_5	1500	1.00	NO	37.40	1.000	1.28e7	9.39e5	1560	3.7	0.906	bb
6	200528R2_6	50.0	0.98	NO	37.41	1.001	2.64e5	5.89e5	51.4	2.7	0.897	bb

Compound name: 1,2,3,4,7,8,9-HpCDF

Response Factor: 1.01285

RRF SD: 0.106215, Relative SD: 10.4867

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	200528R2_1	1.25	0.99	NO	39.33	1.001	5.26e3	5.09e5	1.02	-18.4	0.827	bb
2	200528R2_2	2.50	0.98	NO	39.33	1.000	1.03e4	4.36e5	2.33	-6.7	0.945	bb
3	200528R2_3	10.0	1.01	NO	39.34	1.000	4.43e4	4.19e5	10.4	4.3	1.06	MM
4	200528R2_4	200	0.98	NO	39.33	1.000	1.13e6	5.18e5	214	7.2	1.09	bb
5	200528R2_5	1500	1.00	NO	39.34	1.000	1.05e7	6.39e5	1620	8.2	1.10	bb
6	200528R2_6	50.0	0.98	NO	39.34	1.000	2.00e5	3.75e5	52.7	5.4	1.07	bb

Compound name: OCDF

Response Factor: 0.806476

RRF SD: 0.0306481, Relative SD: 3.80025

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	200528R2_1	2.50	0.87	NO	41.96	1.000	1.27e4	1.35e6	2.33	-6.6	0.753	bb
2	200528R2_2	5.00	0.84	NO	41.96	1.000	2.40e4	1.22e6	4.89	-2.2	0.789	bb
3	200528R2_3	20.0	0.86	NO	41.96	1.000	9.80e4	1.18e6	20.6	3.0	0.831	bb
4	200528R2_4	400	0.87	NO	41.96	1.000	2.54e6	1.57e6	402	0.5	0.810	bb
5	200528R2_5	3000	0.88	NO	41.98	1.000	2.39e7	1.92e6	3090	3.1	0.831	bb
6	200528R2_6	100	0.85	NO	41.97	1.000	4.44e5	1.08e6	102	2.3	0.825	bb

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Compound name: 13C-2,3,7,8-TCDD

Response Factor: 1.15633

RRF SD: 0.0999567, Relative SD: 8.64433

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	200528R2_1	100	0.80	NO	26.54	1.026	1.43e6	1.11e6	111	11.2	1.29	bb
2	200528R2_2	100	0.79	NO	26.54	1.025	1.29e6	1.24e6	89.8	-10.2	1.04	bb
3	200528R2_3	100	0.79	NO	26.54	1.025	1.31e6	1.26e6	89.8	-10.2	1.04	bb
4	200528R2_4	100	0.79	NO	26.54	1.025	1.50e6	1.26e6	103	2.8	1.19	bb
5	200528R2_5	100	0.78	NO	26.56	1.025	1.52e6	1.24e6	106	5.5	1.22	bb
6	200528R2_6	100	0.79	NO	26.56	1.025	1.16e6	9.95e5	101	0.8	1.17	bb

Compound name: 13C-1,2,3,7,8-PeCDD

Response Factor: 0.848975

RRF SD: 0.0899186, Relative SD: 10.5914

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	200528R2_1	100	0.64	NO	31.48	1.216	1.00e6	1.11e6	107	6.6	0.905	bb
2	200528R2_2	100	0.63	NO	31.50	1.216	9.36e5	1.24e6	88.7	-11.3	0.753	bb
3	200528R2_3	100	0.63	NO	31.50	1.216	9.29e5	1.26e6	86.8	-13.2	0.737	bb
4	200528R2_4	100	0.64	NO	31.50	1.216	1.11e6	1.26e6	103	3.3	0.877	bb
5	200528R2_5	100	0.64	NO	31.50	1.215	1.21e6	1.24e6	114	14.3	0.970	bb
6	200528R2_6	100	0.64	NO	31.50	1.215	8.48e5	9.95e5	100	0.3	0.852	bb

Compound name: 13C-1,2,3,4,7,8-HxCDD

Response Factor: 0.778953

RRF SD: 0.096377, Relative SD: 12.3726

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	200528R2_1	100	1.27	NO	34.85	1.014	6.95e5	8.40e5	106	6.2	0.827	bd
2	200528R2_2	100	1.28	NO	34.87	1.014	6.46e5	9.66e5	85.9	-14.1	0.669	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	200528R2_3	100	1.27	NO	34.87	1.014	6.61e5	9.75e5	87.0	-13.0	0.678	bd
4	200528R2_4	100	1.28	NO	34.86	1.014	7.89e5	9.81e5	103	3.4	0.805	bd
5	200528R2_5	100	1.28	NO	34.87	1.014	9.34e5	1.01e6	119	18.6	0.924	bd
6	200528R2_6	100	1.27	NO	34.88	1.014	6.04e5	7.84e5	98.9	-1.1	0.770	bd

Compound name: 13C-1,2,3,6,7,8-HxCDD

Response Factor: 1.01669

RRF SD: 0.116266, Relative SD: 11.4358

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	200528R2_1	100	1.27	NO	34.95	1.017	9.27e5	8.40e5	108	8.5	1.10	db
2	200528R2_2	100	1.27	NO	34.96	1.017	8.61e5	9.66e5	87.7	-12.3	0.891	db
3	200528R2_3	100	1.26	NO	34.97	1.017	8.39e5	9.75e5	84.7	-15.3	0.861	db
4	200528R2_4	100	1.25	NO	34.96	1.017	1.03e6	9.81e5	104	3.5	1.05	db
5	200528R2_5	100	1.27	NO	34.97	1.017	1.17e6	1.01e6	113	13.4	1.15	db
6	200528R2_6	100	1.23	NO	34.97	1.017	8.15e5	7.84e5	102	2.3	1.04	db

Compound name: 13C-1,2,3,7,8,9-HxCDD

Response Factor: 0.902653

RRF SD: 0.11238, Relative SD: 12.45

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	200528R2_1	100	1.23	NO	35.24	1.025	8.33e5	8.40e5	110	9.8	0.991	bb
2	200528R2_2	100	1.26	NO	35.25	1.025	7.48e5	9.66e5	85.8	-14.2	0.774	bb
3	200528R2_3	100	1.28	NO	35.25	1.025	7.53e5	9.75e5	85.6	-14.4	0.773	bd
4	200528R2_4	100	1.23	NO	35.25	1.025	9.12e5	9.81e5	103	3.1	0.930	MM
5	200528R2_5	100	1.26	NO	35.26	1.025	1.06e6	1.01e6	116	16.1	1.05	bb
6	200528R2_6	100	1.18	NO	35.26	1.025	7.05e5	7.84e5	99.6	-0.4	0.899	bb

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

Response Factor: 0.689179
 RRF SD: 0.0899136, Relative SD: 13.0465
 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	200528R2_1	100	1.06	NO	38.77	1.128	6.48e5	8.40e5	112	11.9	0.771	MM
2	200528R2_2	100	1.04	NO	38.78	1.128	6.01e5	9.66e5	90.2	-9.8	0.622	bd
3	200528R2_3	100	1.12	NO	38.79	1.128	5.57e5	9.75e5	83.0	-17.0	0.572	bd
4	200528R2_4	100	1.04	NO	38.78	1.128	6.86e5	9.81e5	102	1.6	0.700	MM
5	200528R2_5	100	1.03	NO	38.80	1.128	8.18e5	1.01e6	117	17.4	0.809	bb
6	200528R2_6	100	1.04	NO	38.80	1.128	5.18e5	7.84e5	95.9	-4.1	0.661	bd

Compound name: 13C-OCDD

Response Factor: 0.652099
 RRF SD: 0.111511, Relative SD: 17.1002
 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	200528R2_1	200	0.89	NO	41.75	1.215	1.18e6	8.40e5	216	7.8	0.703	MM
2	200528R2_2	200	0.89	NO	41.76	1.215	1.05e6	9.66e5	167	-16.3	0.546	MM
3	200528R2_3	200	0.91	NO	41.76	1.214	1.03e6	9.75e5	162	-18.9	0.529	bd
4	200528R2_4	200	0.90	NO	41.76	1.215	1.35e6	9.81e5	211	5.7	0.689	bd
5	200528R2_5	200	0.93	NO	41.78	1.215	1.67e6	1.01e6	254	26.9	0.827	bd
6	200528R2_6	200	0.88	NO	41.77	1.215	9.71e5	7.84e5	190	-5.1	0.619	bd

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 1.05898
 RRF SD: 0.0854755, Relative SD: 8.07146
 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	200528R2_1	100	0.76	NO	25.65	0.991	1.95e6	1.65e6	112	12.1	1.19	bb
2	200528R2_2	100	0.77	NO	25.66	0.991	1.78e6	1.83e6	92.1	-7.9	0.975	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	200528R2_3	100	0.78	NO	25.66	0.991	1.80e6	1.89e6	90.1	-9.9	0.955	bb
4	200528R2_4	100	0.78	NO	25.66	0.991	2.04e6	1.91e6	101	1.0	1.07	bb
5	200528R2_5	100	0.78	NO	25.67	0.991	2.04e6	1.85e6	104	4.2	1.10	bb
6	200528R2_6	100	0.77	NO	25.68	0.991	1.59e6	1.49e6	101	0.5	1.06	bb

Compound name: 13C-1,2,3,7,8-PeCDF

Response Factor: 0.837982

RRF SD: 0.0870192, Relative SD: 10.3844

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	200528R2_1	100	1.59	NO	30.20	1.167	1.50e6	1.65e6	109	9.0	0.913	bb
2	200528R2_2	100	1.59	NO	30.22	1.167	1.37e6	1.83e6	89.3	-10.7	0.748	bb
3	200528R2_3	100	1.59	NO	30.22	1.167	1.38e6	1.89e6	86.9	-13.1	0.728	bb
4	200528R2_4	100	1.61	NO	30.22	1.167	1.63e6	1.91e6	102	1.9	0.854	bb
5	200528R2_5	100	1.63	NO	30.22	1.166	1.75e6	1.85e6	113	12.9	0.946	bb
6	200528R2_6	100	1.60	NO	30.23	1.166	1.25e6	1.49e6	100	0.0	0.838	bb

Compound name: 13C-2,3,4,7,8-PeCDF

Response Factor: 0.816557

RRF SD: 0.0702322, Relative SD: 8.60101

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	200528R2_1	100	1.60	NO	31.18	1.204	1.42e6	1.65e6	106	5.9	0.865	db
2	200528R2_2	100	1.57	NO	31.19	1.204	1.35e6	1.83e6	90.7	-9.3	0.741	db
3	200528R2_3	100	1.61	NO	31.19	1.204	1.38e6	1.89e6	89.4	-10.6	0.730	db
4	200528R2_4	100	1.61	NO	31.19	1.204	1.57e6	1.91e6	101	1.0	0.825	db
5	200528R2_5	100	1.60	NO	31.19	1.204	1.69e6	1.85e6	112	11.5	0.911	bb
6	200528R2_6	100	1.59	NO	31.21	1.204	1.24e6	1.49e6	101	1.4	0.828	db

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Compound name: 13C-1,2,3,4,7,8-HxCDF

Response Factor: 1.00752

RRF SD: 0.115021, Relative SD: 11.4162

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	200528R2_1	100	0.50	NO	33.97	0.988	9.42e5	8.40e5	111	11.3	1.12	bd
2	200528R2_2	100	0.50	NO	33.98	0.988	8.49e5	9.66e5	87.2	-12.8	0.878	bd
3	200528R2_3	100	0.50	NO	33.98	0.988	8.47e5	9.75e5	86.2	-13.8	0.869	bd
4	200528R2_4	100	0.50	NO	33.98	0.988	1.02e6	9.81e5	103	3.0	1.04	bd
5	200528R2_5	100	0.50	NO	33.99	0.988	1.15e6	1.01e6	113	12.7	1.14	bd
6	200528R2_6	100	0.50	NO	33.99	0.988	7.87e5	7.84e5	99.6	-0.4	1.00	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF

Response Factor: 1.16702

RRF SD: 0.127304, Relative SD: 10.9085

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	200528R2_1	100	0.50	NO	34.09	0.992	1.07e6	8.40e5	110	9.5	1.28	db
2	200528R2_2	100	0.51	NO	34.11	0.992	9.70e5	9.66e5	86.1	-13.9	1.00	db
3	200528R2_3	100	0.51	NO	34.11	0.992	1.01e6	9.75e5	88.5	-11.5	1.03	db
4	200528R2_4	100	0.51	NO	34.10	0.992	1.18e6	9.81e5	103	3.1	1.20	db
5	200528R2_5	100	0.51	NO	34.11	0.992	1.33e6	1.01e6	113	13.0	1.32	db
6	200528R2_6	100	0.50	NO	34.12	0.992	9.14e5	7.84e5	99.8	-0.2	1.17	db

Compound name: 13C-2,3,4,6,7,8-HxCDF

Response Factor: 1.02186

RRF SD: 0.110658, Relative SD: 10.829

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	200528R2_1	100	0.51	NO	34.68	1.009	9.22e5	8.40e5	107	7.4	1.10	bb
2	200528R2_2	100	0.50	NO	34.69	1.009	8.66e5	9.66e5	87.7	-12.3	0.896	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	200528R2_3	100	0.51	NO	34.70	1.009	8.69e5	9.75e5	87.2	-12.8	0.891	bb
4	200528R2_4	100	0.51	NO	34.69	1.009	1.04e6	9.81e5	104	3.6	1.06	bb
5	200528R2_5	100	0.50	NO	34.70	1.009	1.18e6	1.01e6	114	14.3	1.17	bb
6	200528R2_6	100	0.51	NO	34.71	1.009	8.00e5	7.84e5	99.8	-0.2	1.02	bb

Compound name: 13C-1,2,3,7,8,9-HxCDF

Response Factor: 0.859541

RRF SD: 0.107178, Relative SD: 12.4692

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	200528R2_1	100	0.51	NO	35.59	1.036	7.73e5	8.40e5	107	7.0	0.919	MM
2	200528R2_2	100	0.50	NO	35.61	1.036	7.04e5	9.66e5	84.8	-15.2	0.729	MM
3	200528R2_3	100	0.50	NO	35.61	1.036	7.27e5	9.75e5	86.8	-13.2	0.746	MM
4	200528R2_4	100	0.49	NO	35.60	1.036	8.84e5	9.81e5	105	4.9	0.902	bb
5	200528R2_5	100	0.51	NO	35.62	1.036	1.02e6	1.01e6	117	17.3	1.01	bb
6	200528R2_6	100	0.51	NO	35.63	1.036	6.70e5	7.84e5	99.3	-0.7	0.854	bd

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

Response Factor: 0.774499

RRF SD: 0.102271, Relative SD: 13.2048

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	200528R2_1	100	0.44	NO	37.37	1.087	7.13e5	8.40e5	110	9.6	0.849	bd
2	200528R2_2	100	0.42	NO	37.38	1.087	6.49e5	9.66e5	86.7	-13.3	0.672	bb
3	200528R2_3	100	0.44	NO	37.38	1.087	6.48e5	9.75e5	85.9	-14.1	0.665	bd
4	200528R2_4	100	0.44	NO	37.38	1.087	7.67e5	9.81e5	101	0.9	0.782	bb
5	200528R2_5	100	0.44	NO	37.39	1.087	9.39e5	1.01e6	120	19.9	0.928	bd
6	200528R2_6	100	0.43	NO	37.39	1.087	5.89e5	7.84e5	97.0	-3.0	0.751	bb

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Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Response Factor: 0.520991

RRF SD: 0.083066, Relative SD: 15.9439

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	200528R2_1	100	0.43	NO	39.31	1.144	5.09e5	8.40e5	116	16.3	0.606	MM
2	200528R2_2	100	0.42	NO	39.32	1.144	4.36e5	9.66e5	86.7	-13.3	0.452	bb
3	200528R2_3	100	0.42	NO	39.33	1.144	4.19e5	9.75e5	82.5	-17.5	0.430	MM
4	200528R2_4	100	0.42	NO	39.32	1.144	5.18e5	9.81e5	101	1.4	0.529	MM
5	200528R2_5	100	0.44	NO	39.33	1.144	6.39e5	1.01e6	121	21.3	0.632	bb
6	200528R2_6	100	0.43	NO	39.34	1.144	3.75e5	7.84e5	91.8	-8.2	0.478	bd

Compound name: 13C-OCDF

Response Factor: 0.745653

RRF SD: 0.129429, Relative SD: 17.3579

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	200528R2_1	200	0.87	NO	41.94	1.220	1.35e6	8.40e5	215	7.6	0.803	bb
2	200528R2_2	200	0.83	NO	41.95	1.220	1.22e6	9.66e5	169	-15.4	0.631	bb
3	200528R2_3	200	0.90	NO	41.96	1.220	1.18e6	9.75e5	162	-18.8	0.605	bd
4	200528R2_4	200	0.88	NO	41.95	1.220	1.57e6	9.81e5	215	7.3	0.800	MM
5	200528R2_5	200	0.88	NO	41.97	1.220	1.92e6	1.01e6	254	27.2	0.949	bb
6	200528R2_6	200	0.90	NO	41.96	1.220	1.08e6	7.84e5	184	-7.9	0.687	MM

Compound name: 37Cl-2,3,7,8-TCDD

Response Factor: 1.03685

RRF SD: 0.126311, Relative SD: 12.1822

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	200528R2_1	0.250			26.57	1.027	2.71e3	1.11e6	0.235	-5.9	0.976	bb
2	200528R2_2	0.500			26.56	1.025	5.67e3	1.24e6	0.440	-11.9	0.913	bb

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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	200528R2_3	2.00			26.57	1.026	2.30e4	1.26e6	1.76	-12.0	0.912	bd
4	200528R2_4	40.0			26.56	1.025	5.78e5	1.26e6	44.1	10.2	1.14	bb
5	200528R2_5	200			26.57	1.025	3.03e6	1.24e6	235	17.7	1.22	bb
6	200528R2_6	10.0			26.59	1.026	1.05e5	9.95e5	10.2	2.1	1.06	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	200528R2_1	100	0.80	NO	25.89	1.000	1.11e6	1.11e6	100	0.0	1.00	bb
2	200528R2_2	100	0.81	NO	25.90	1.000	1.24e6	1.24e6	100	0.0	1.00	bb
3	200528R2_3	100	0.80	NO	25.90	1.000	1.26e6	1.26e6	100	0.0	1.00	bb
4	200528R2_4	100	0.80	NO	25.90	1.000	1.26e6	1.26e6	100	0.0	1.00	bb
5	200528R2_5	100	0.80	NO	25.92	1.000	1.24e6	1.24e6	100	0.0	1.00	bb
6	200528R2_6	100	0.80	NO	25.92	1.000	9.95e5	9.95e5	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	200528R2_1	100	0.78	NO	24.22	1.000	1.65e6	1.65e6	100	0.0	1.00	bb
2	200528R2_2	100	0.78	NO	24.22	1.000	1.83e6	1.83e6	100	0.0	1.00	bb
3	200528R2_3	100	0.78	NO	24.22	1.000	1.89e6	1.89e6	100	0.0	1.00	bb
4	200528R2_4	100	0.79	NO	24.22	1.000	1.91e6	1.91e6	100	0.0	1.00	bb
5	200528R2_5	100	0.79	NO	24.24	1.000	1.85e6	1.85e6	100	0.0	1.00	bb
6	200528R2_6	100	0.77	NO	24.24	1.000	1.49e6	1.49e6	100	0.0	1.00	bb

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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	200528R2_1	100	0.50	NO	34.37	1.000	8.40e5	8.40e5	100	0.0	1.00	bb
2	200528R2_2	100	0.51	NO	34.38	1.000	9.66e5	9.66e5	100	0.0	1.00	bb
3	200528R2_3	100	0.51	NO	34.39	1.000	9.75e5	9.75e5	100	0.0	1.00	bb
4	200528R2_4	100	0.51	NO	34.38	1.000	9.81e5	9.81e5	100	0.0	1.00	bb
5	200528R2_5	100	0.51	NO	34.39	1.000	1.01e6	1.01e6	100	0.0	1.00	bb
6	200528R2_6	100	0.50	NO	34.39	1.000	7.84e5	7.84e5	100	0.0	1.00	bb

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CPSM.qld

Last Altered: Thursday, May 28, 2020 16:40:33 Pacific Daylight Time

Printed: Thursday, May 28, 2020 16:57:10 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 26 May 2020 10:39:11

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1 1,3,6,8-TCDD (First)	22.59
2	2 1,2,8,9-TCDD (Last)	27.53
3	3 1,2,4,7,9-PeCDD (First)	29.32
4	4 1,2,3,8,9-PeCDD (Last)	31.89
5	5 1,2,4,6,7,9-HxCDD (First)	33.39
6	6 1,2,3,7,8,9-HxCDD (Last)	35.27
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.81
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.81
9	9 1,3,6,8-TCDF (First)	20.44
10	10 1,2,8,9-TCDF (Last)	27.68
11	11 1,3,4,6,8-PeCDF (First)	27.64
12	12 1,2,3,8,9-PeCDF (Last)	32.14
13	13 1,2,3,4,6,8-HxCDF (First)	32.83
14	14 1,2,3,7,8,9-HxCDF (Last)	35.63
15	15 1,2,3,4,6,7,8-HpCDF (First)	37.41
16	16 1,2,3,4,7,8,9-HpCDF (Last)	39.34

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CPSM.qld

Last Altered: Thursday, May 28, 2020 16:40:33 Pacific Daylight Time

Printed: Thursday, May 28, 2020 16:57:10 Pacific Daylight Time

GRB 05/29/2020

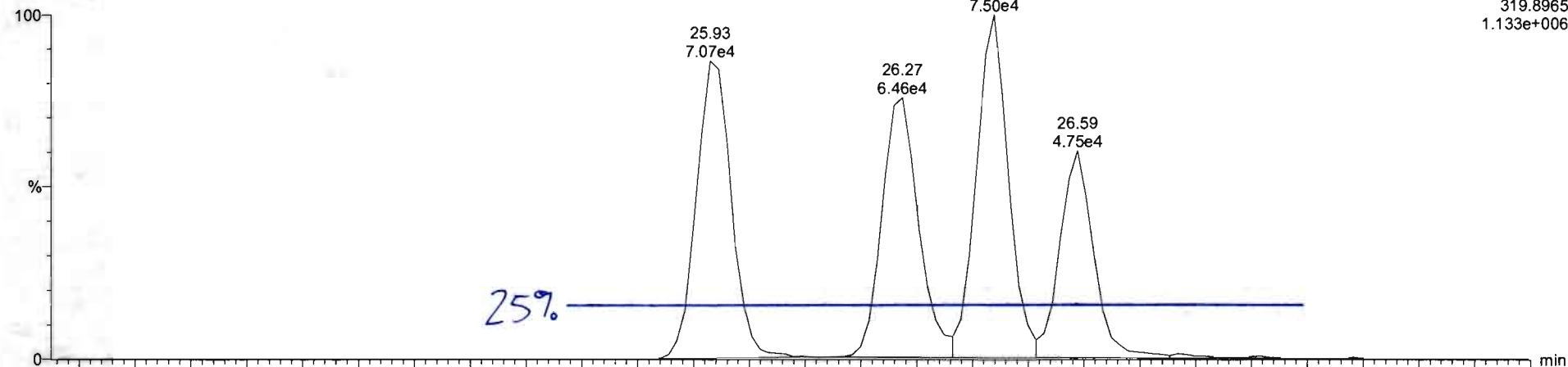
Method: U:\VG12.PRO\MethDB\CPSM.mdb 26 May 2020 10:39:11

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

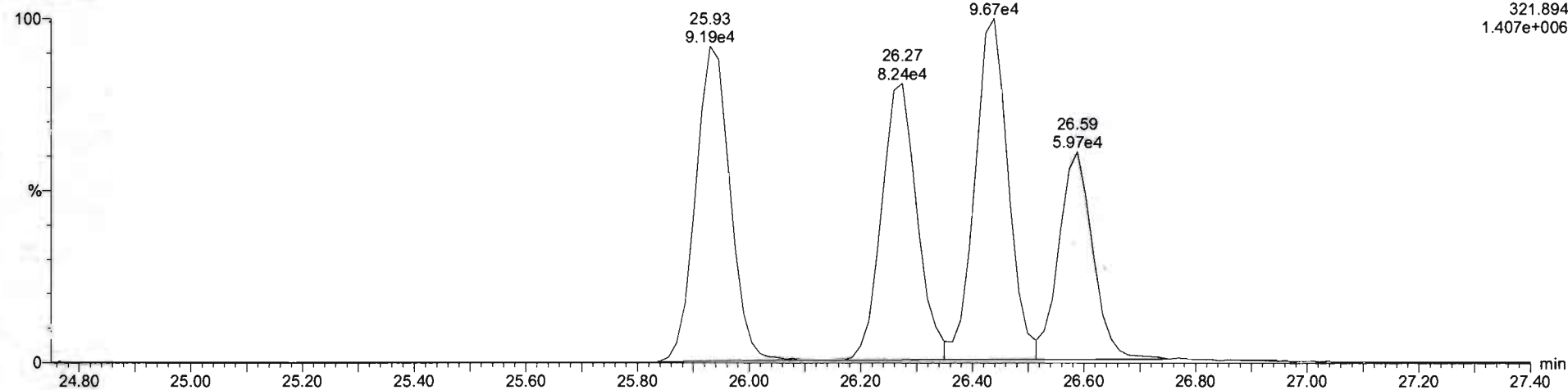
Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,3,6,8-TCDD (First)

200528R2_6



200528R2_6



Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Friday, May 29, 2020 8:08:41 AM Pacific Daylight Time

Printed: Friday, May 29, 2020 8:08:46 AM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	200528R2_1	ST200528R2_1 1613 CS0 19L2302	28-May-20	11:53:52
2	200528R2_2	ST200528R2_2 1613 CS1 19L2303	28-May-20	12:41:31
3	200528R2_3	ST200528R2_3 1613 CS2 19L2304	28-May-20	13:28:43
4	200528R2_4	ST200528R2_4 1613 CS4 19L2306	28-May-20	14:15:50
5	200528R2_5	ST200528R2_5 1613 CS5 19L2307	28-May-20	15:02:56
6	200528R2_6	ST200528R2_6 1613 CS3 19L2305	28-May-20	15:50:32
7	200528R2_7	SOLVENT BLANK	28-May-20	16:37:46
8	200528R2_8	SS200528R2_1 1613 SSS 19L2308	28-May-20	17:24:01
9	200528R2_9	B0E0131-BS1 OPR 1	28-May-20	18:10:13
10	200528R2_10	B0E0165-BS1 OPR 1	28-May-20	18:56:26
11	200528R2_11	B0E0127-BS1 OPR 1	28-May-20	19:42:36
12	200528R2_12	B0E0180-BS1 OPR 10	28-May-20	20:28:48
13	200528R2_13	SOLVENT BLANK	28-May-20	21:15:00
14	200528R2_14	B0E0180-BLK1 Method Blank 10	28-May-20	22:01:12
15	200528R2_15	B0E0131-BLK1 Method Blank 1	28-May-20	22:47:24
16	200528R2_16	B0E0165-BLK1 Method Blank 1	28-May-20	23:33:37
17	200528R2_17	B0E0127-BLK1 Method Blank 1	29-May-20	00:19:48
18	200528R2_18	2001052-01 ZID-001 1.00002	29-May-20	01:06:00
19	200528R2_19	2001031-01 Forebay Composite (24hr) 0.95078	29-May-20	01:52:12
20	200528R2_20	2001092-01 OF-031A BiWeekly Composite D/...	29-May-20	02:38:24

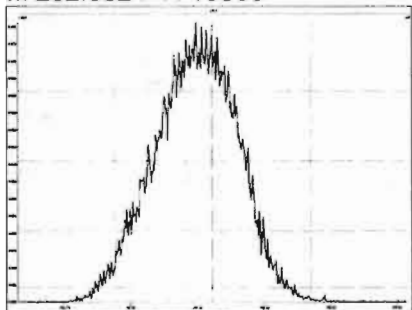
Experiment Calibration Report

MassLynx 4.1 SCN815

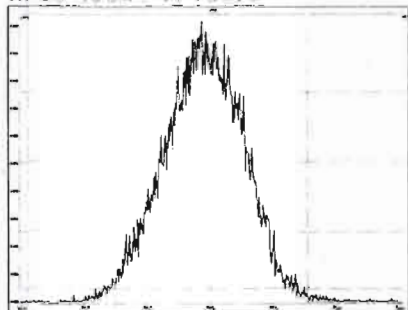
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, May 28, 2020 11:48:59 Pacific Daylight Time

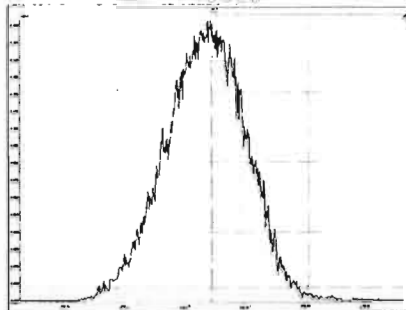
M 292.9824 R 10503



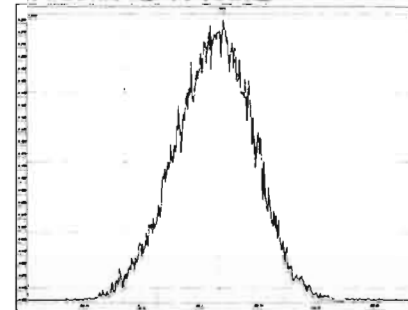
M 304.9824 R 10376



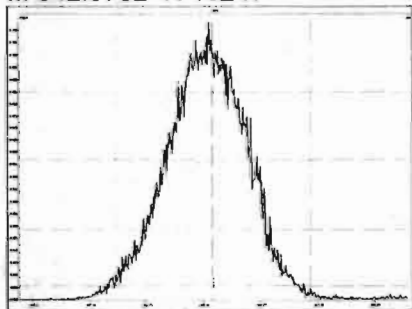
M 318.9792 R 10589



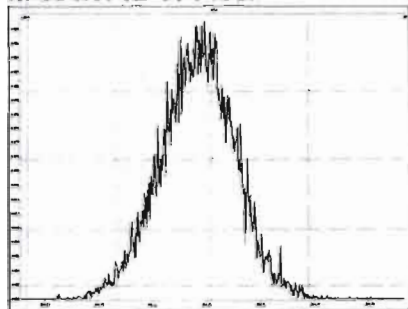
M 330.9792 R 10552



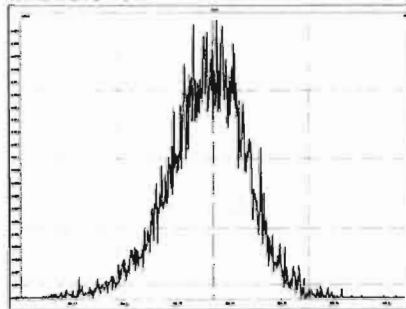
M 342.9792 R 10247



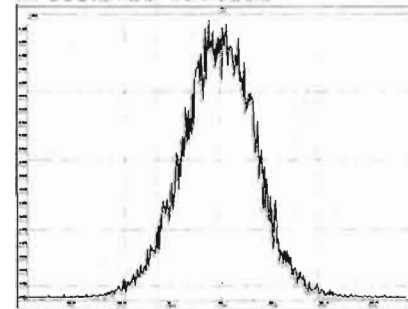
M 354.9792 R 10330



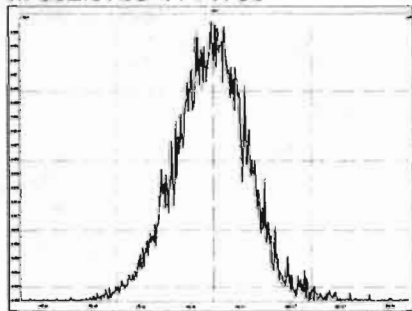
M 366.9792 R 11417



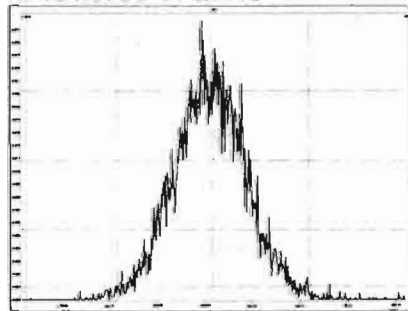
M 380.9760 R 11062



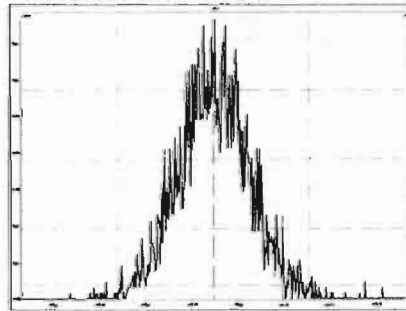
M 392.9760 R 11790



M 404.9760 R 12316



M 416.9760 R 12754



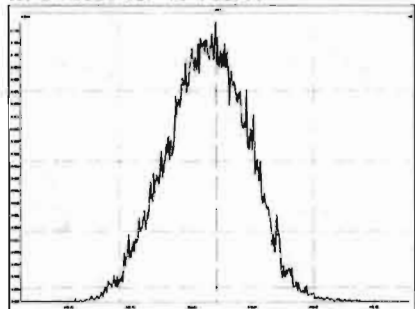
Experiment Calibration Report

MassLynx 4.1 SCN815

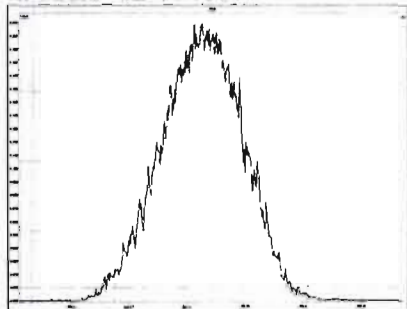
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, May 28, 2020 11:49:33 Pacific Daylight Time

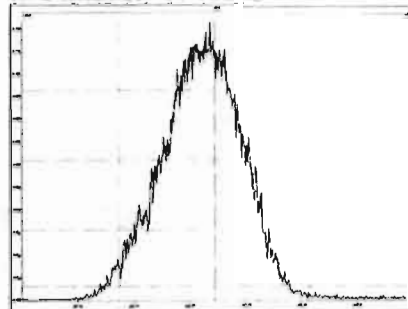
M 318.9792 R 10247



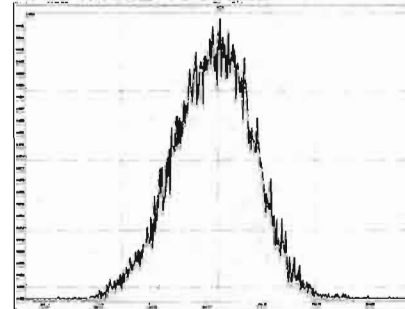
M 330.9792 R 10372



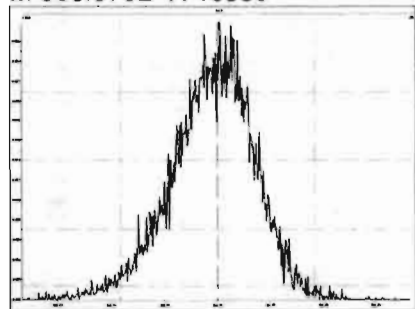
M 342.9792 R 10370



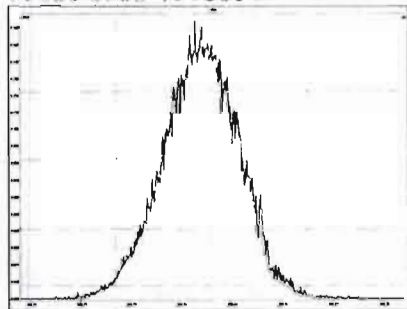
M 354.9792 R 10822



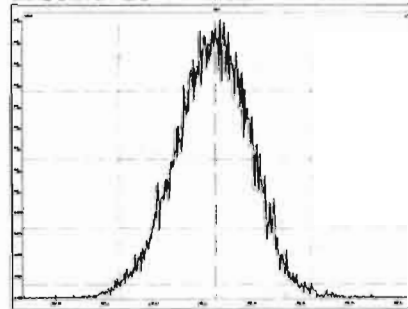
M 366.9792 R 10963



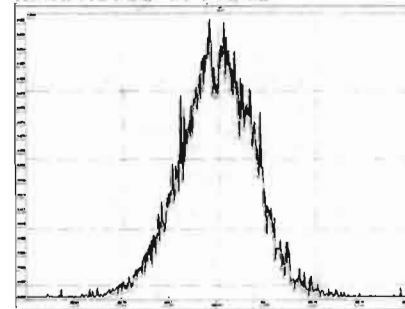
M 380.9760 R 10594



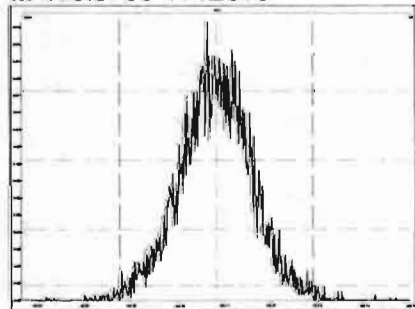
M 392.9760 R 10821



M 404.9760 R 11845



M 416.9760 R 12018



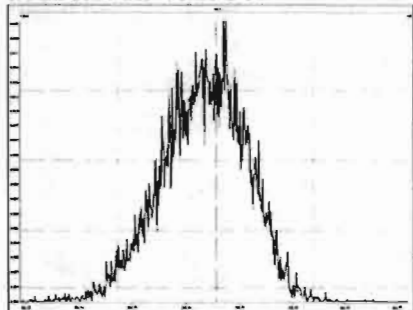
Experiment Calibration Report

MassLynx 4.1 SCN815

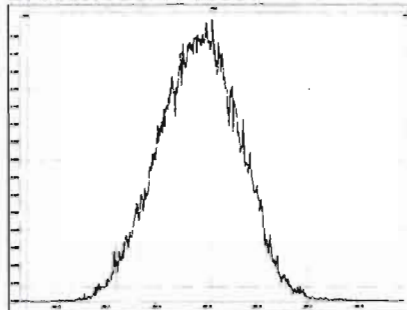
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Thursday, May 28, 2020 11:50:12 Pacific Daylight Time

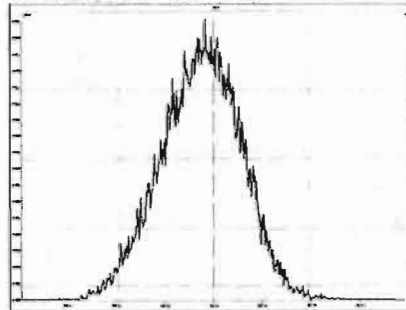
M 366.9792 R 10641



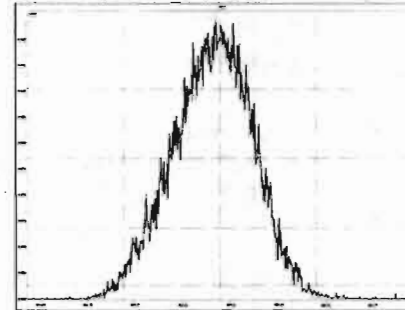
M 380.9760 R 10331



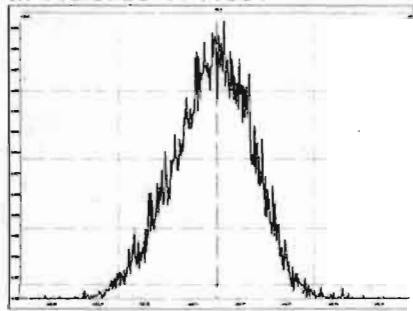
M 392.9760 R 10459



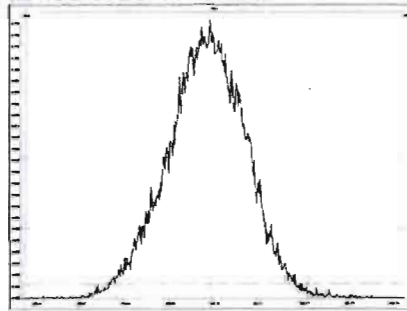
M 404.9760 R 10505



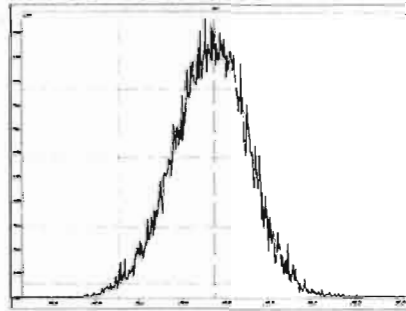
M 416.9760 R 11061



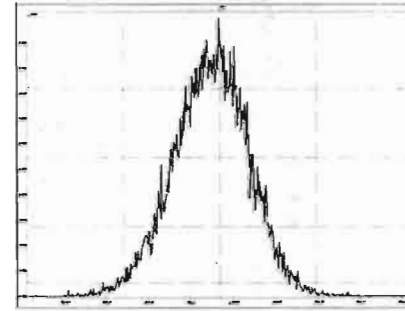
M 430.9728 R 10290



M 442.9728 R 10593



M 454.9728 R 10919



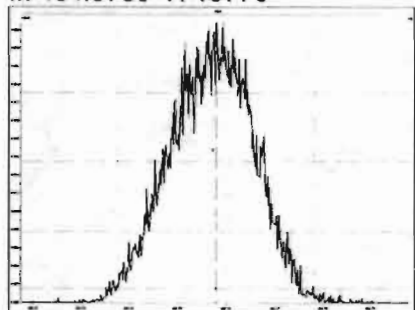
Experiment Calibration Report

MassLynx 4.1 SCN815

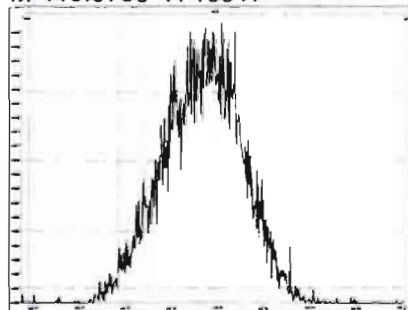
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Printed: Thursday, May 28, 2020 11:51:03 Pacific Daylight Time

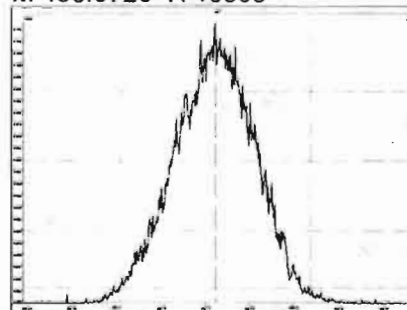
M 404.9760 R 10778



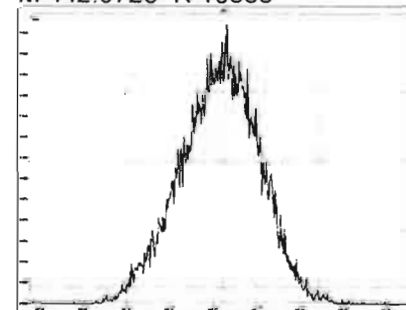
M 416.9760 R 10917



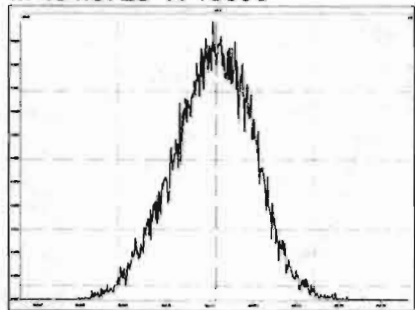
M 430.9728 R 10503



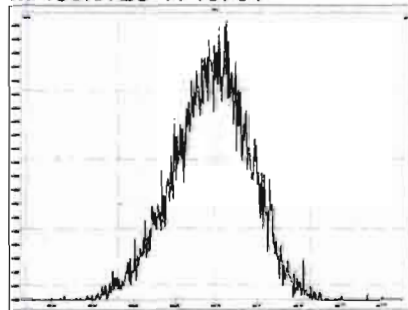
M 442.9728 R 10636



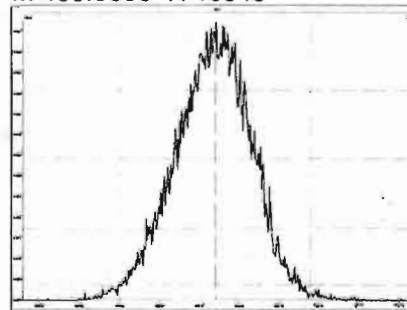
M 454.9728 R 10638



M 466.9728 R 10731



M 480.9696 R 10545



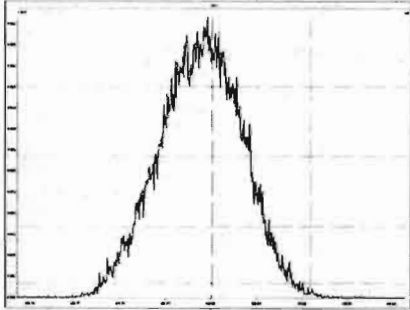
Experiment Calibration Report

MassLynx 4.1 SCN815

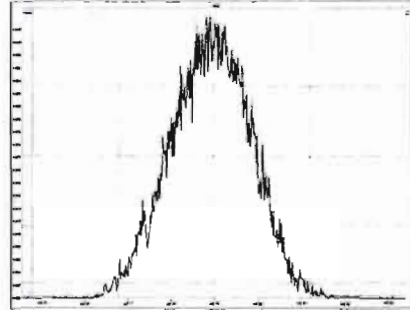
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Printed: Thursday, May 28, 2020 11:51:45 Pacific Daylight Time

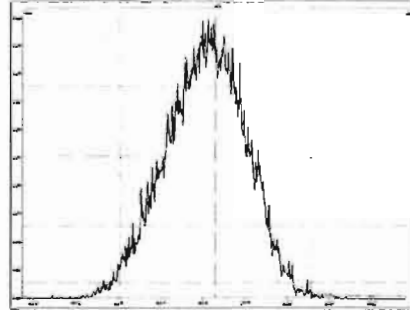
M 430.9728 R 10118



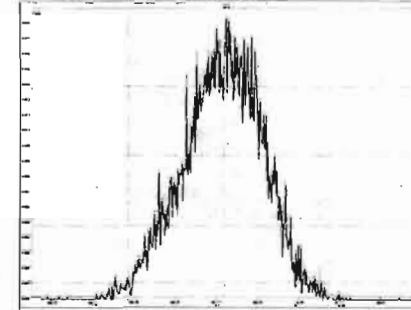
M 442.9728 R 10637



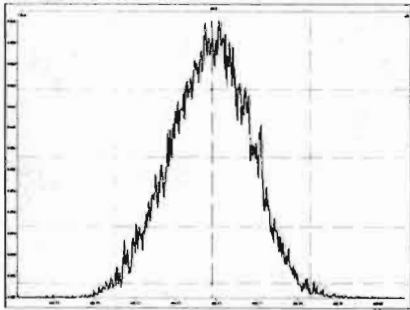
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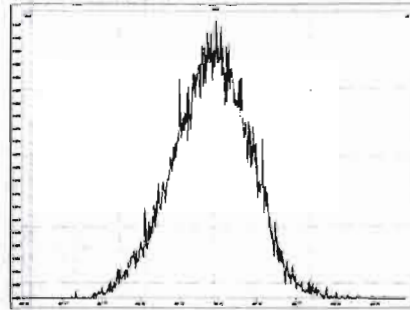
M 466.9728 R 11792



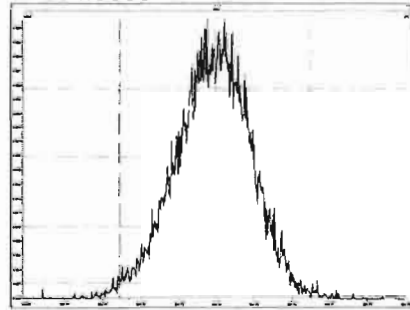
M 480.9696 R 10915



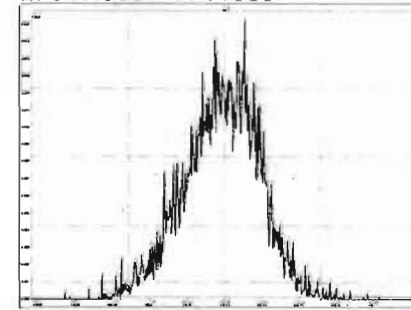
M 492.9696 R 10639



M 504.9696 R 10729



M 516.9697 R 11683



Dataset: Untitled

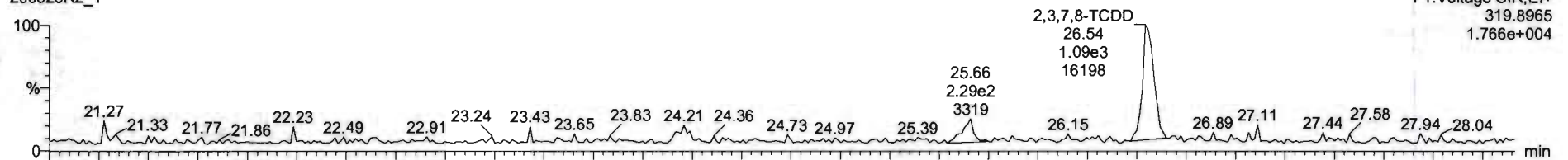
Last Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time
Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-05-26-20.mdb 26 May 2020 10:34:17
Calibration: 29 May 2020 07:49:30

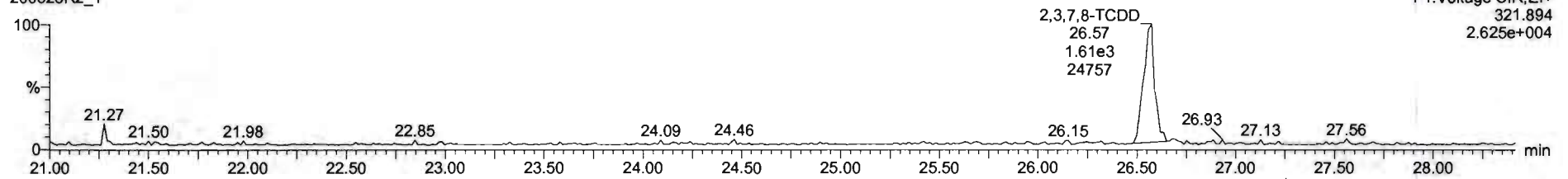
Name: 200528R2_1, Date: 28-May-2020, Time: 11:53:52, ID: ST200528R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

2,3,7,8-TCDD

200528R2_1

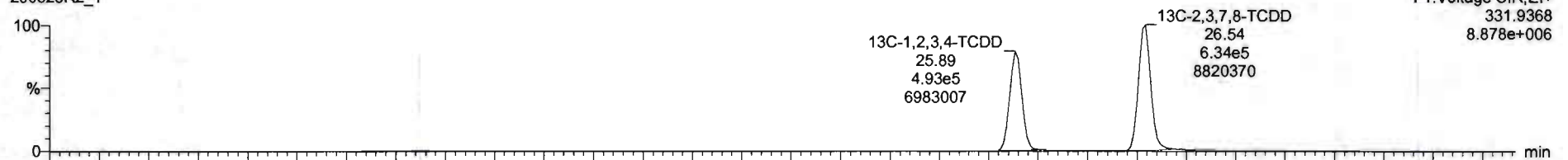


200528R2_1

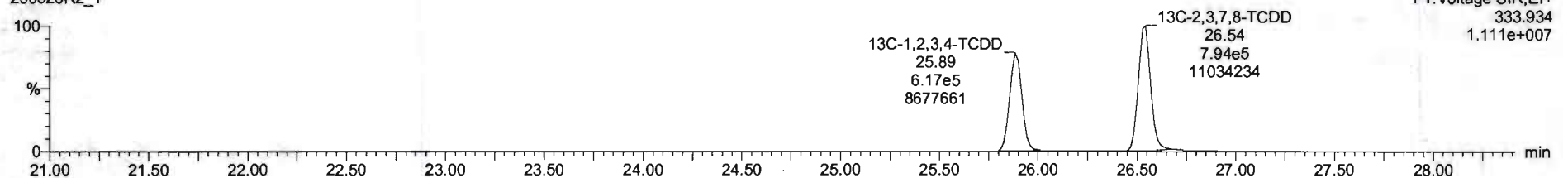


13C-2,3,7,8-TCDD

200528R2_1



200528R2_1



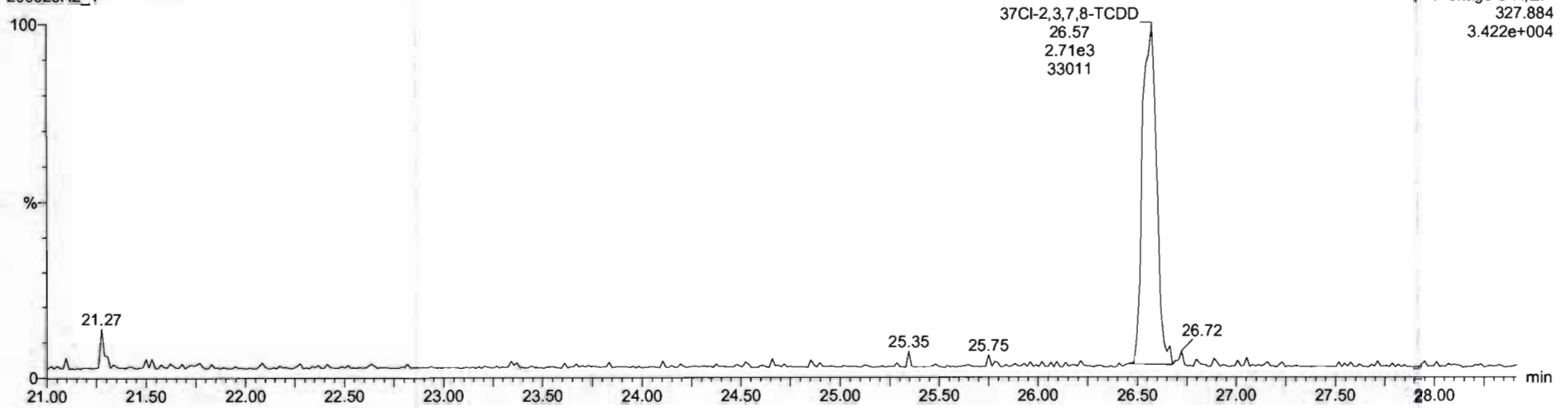
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Last Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time
Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

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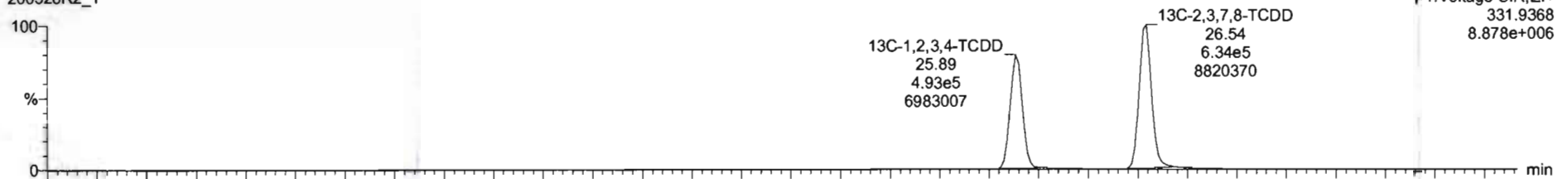
37Cl-2,3,7,8-TCDD

200528R2_1

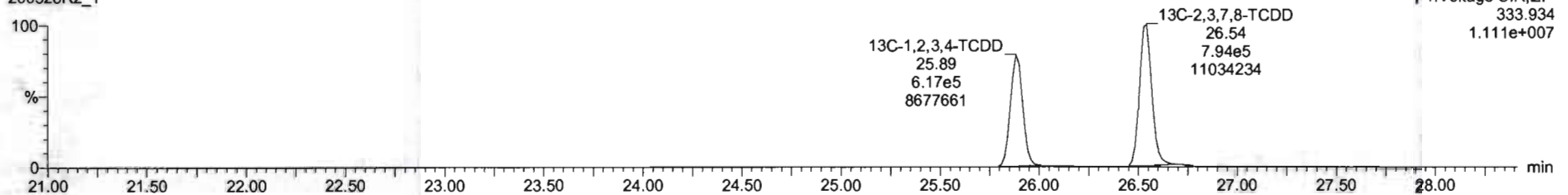


13C-1,2,3,4-TCDD

200528R2_1



200528R2_1



Dataset: Untitled

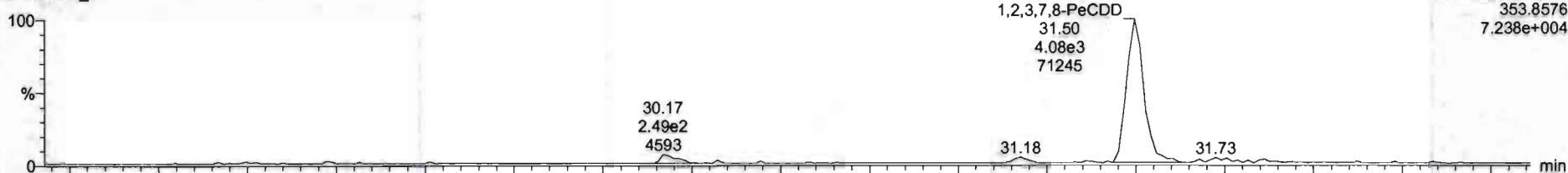
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

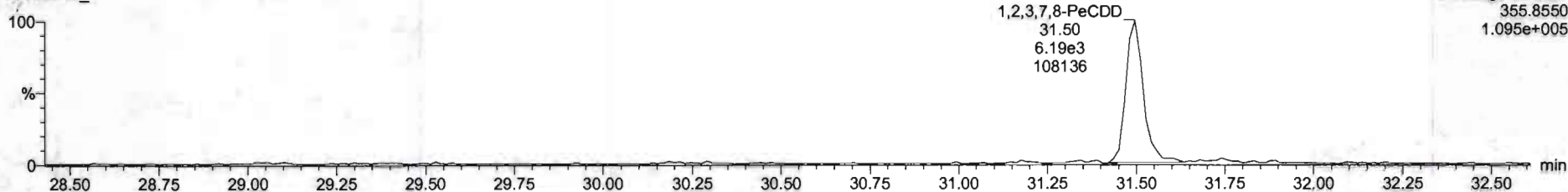
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1,2,3,7,8-PeCDD

200528R2_1

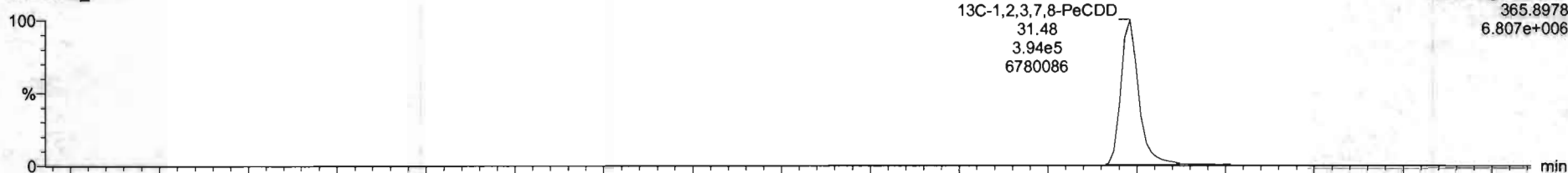


200528R2_1

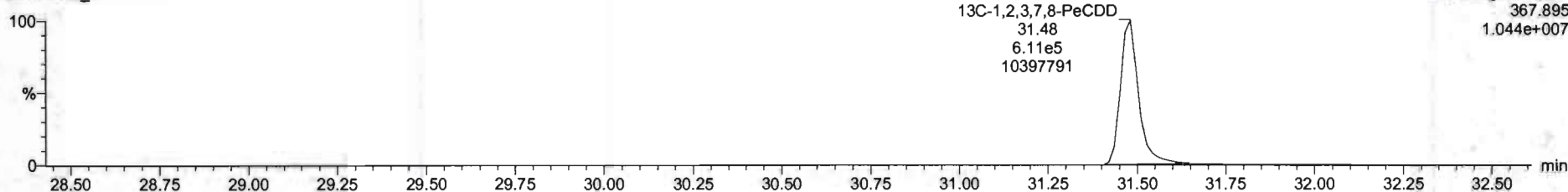


13C-1,2,3,7,8-PeCDD

200528R2_1



200528R2_1



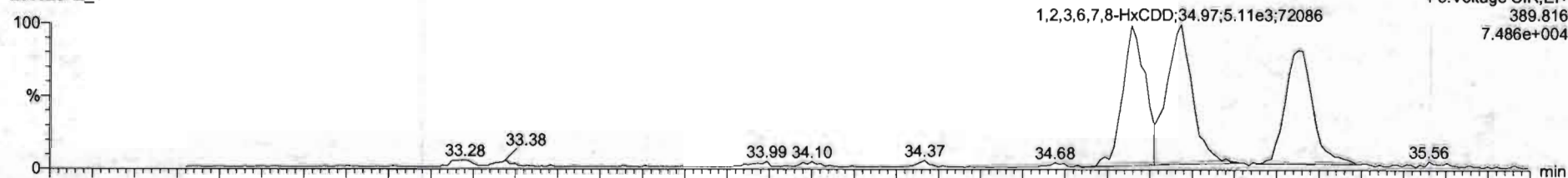
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

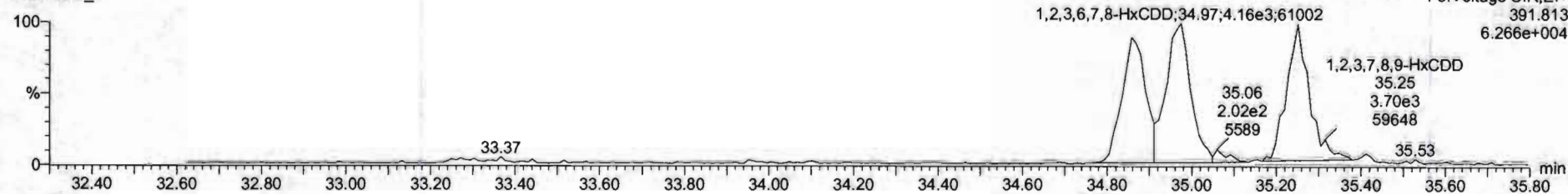
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1,2,3,4,7,8-HxCDD

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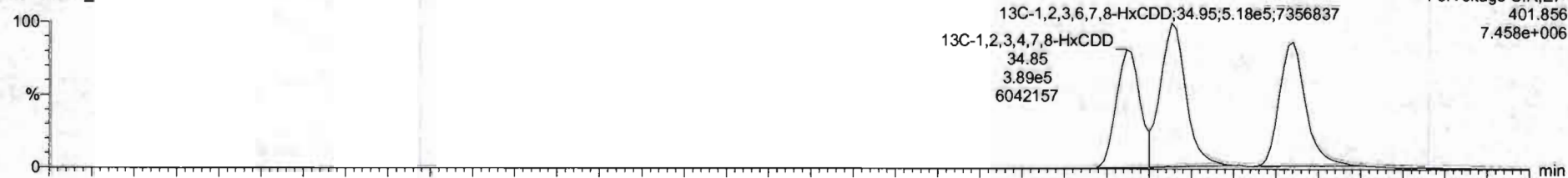


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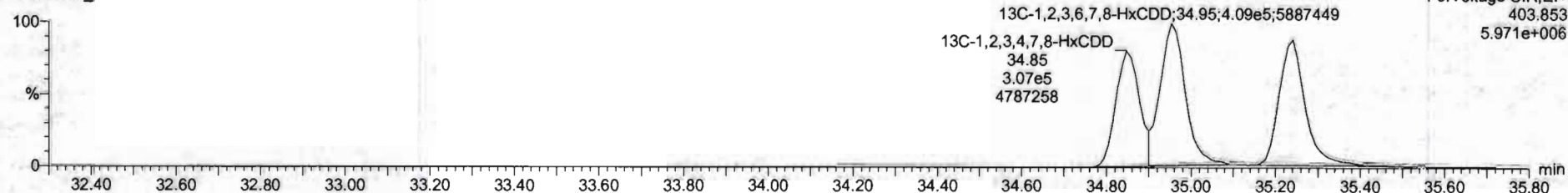


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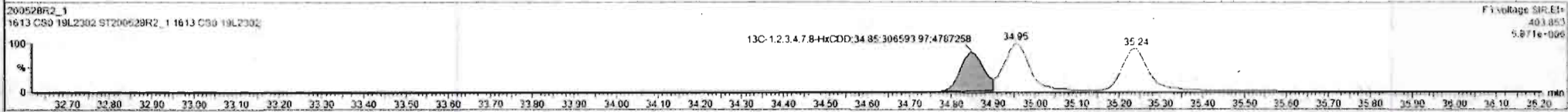
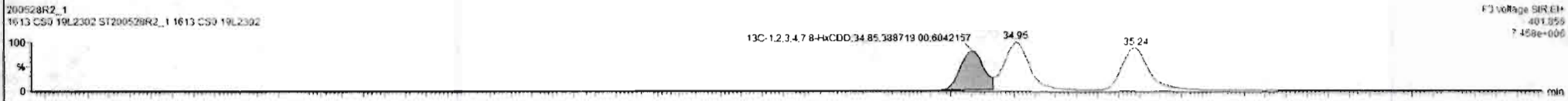
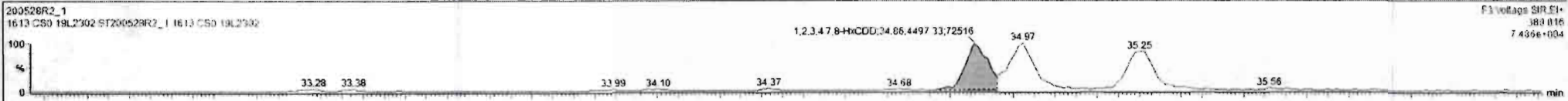
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200528R2_1



Name	Resp	RA	Rel	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.78e3	0.56	NO	0.8583	1.000	26.54	1.000	0.213	35.2	0.0247	0.213
2 1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9081	1.000	31.50	1.000	1.12	90.0	0.0292	1.13
3 1,2,3,4,7,8-HxCDD	0.03e3	1.27	NO	1.0334	1.000	34.86	1.000	1.12	89.4	0.0428	1.12
4 1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8923	1.000	34.97	1.001	1.12	89.7	0.0405	1.12
5 1,2,3,7,8,9-HxCDD	8.14e3	1.20	NO	0.8865	1.000	35.25	1.000	1.10	88.1	0.0464	1.10
6 1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8539	1.000	36.78	1.000	1.09	87.2	0.0566	1.09
7 OCDD	1.23e4	0.85	NO	0.9136	1.000	41.76	1.000	2.27	90.9	0.0470	2.27
8 2,3,7,8-TCDF	3.23e3	0.73	NO	0.7510	1.000	25.87	1.001	0.223	39.1	0.0142	0.223
9 1,2,3,7,8-PeCDF	1.46e4	1.61	NO	0.8925	1.000	30.20	1.000	1.09	87.1	0.0369	1.09
10 2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9348	1.000	31.19	1.000	1.12	89.2	0.0260	1.12
11 1,2,3,4,7,8-HxCDF	6.96e3	1.25	NO	0.8845	1.000	33.99	1.001	1.08	86.2	0.0369	1.08
12 1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8562	1.000	34.11	1.001	1.12	89.2	0.0334	1.12
13 2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	34.70	1.001	1.10	88.3	0.0279	1.10
14 1,2,3,7,8,9-HxCDF	7.48e3	1.19	NO	0.8787	1.000	35.61	1.001	1.11	89.0	0.0549	1.11
15 1,2,3,4,5,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	37.37	1.000	1.09	86.9	0.0524	1.09
16 1,2,3,4,7,8,9-HpCDF	5.26e3	0.99	NO	1.0128	1.000	39.33	1.001	1.02	81.8	0.0523	1.02
17 OCDF	1.27e4	0.87	NO	0.8065	1.000	41.96	1.000	2.33	93.4	0.0409	2.33
18 13C-2,3,7,8-TCDD	1.43e6	0.30	NO	1.1563	1.000	26.54	1.026	111	111	0.0632	
19 13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8490	1.000	31.48	1.216	107	107	0.135	
20 13C-1,2,3,4,7,8-HxCDD	6.95e5	1.27	NO	0.7790	1.000	34.85	1.014	106	106	0.318	
21 13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0167	1.000	34.95	1.017	108	108	0.243	



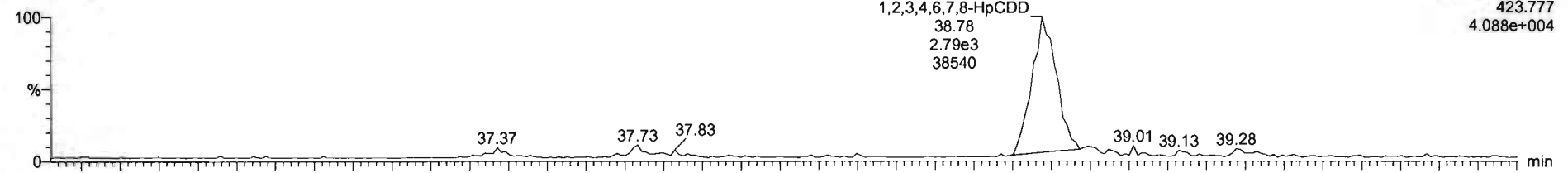
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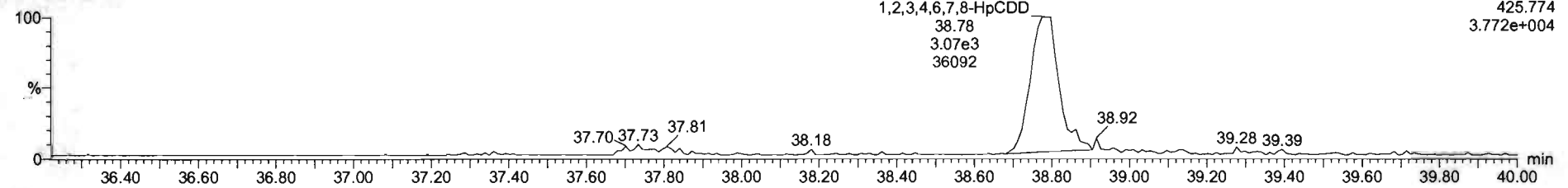
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1,2,3,4,6,7,8-HpCDD

200528R2_1

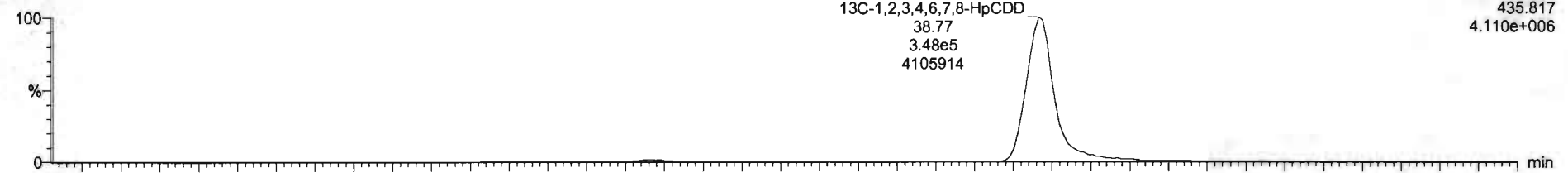


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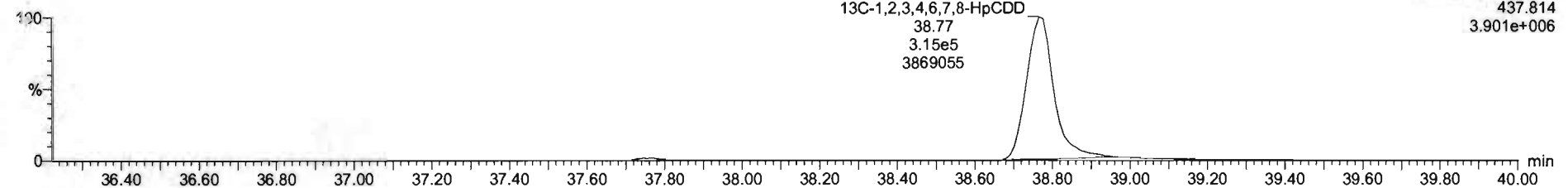


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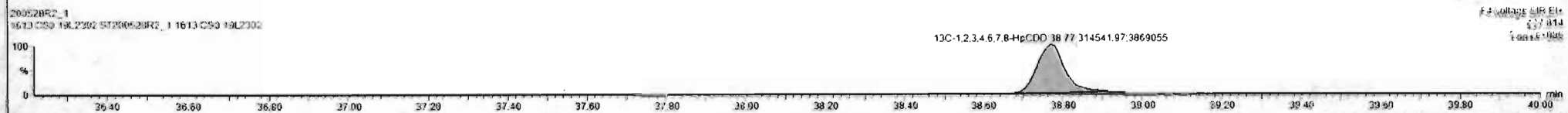
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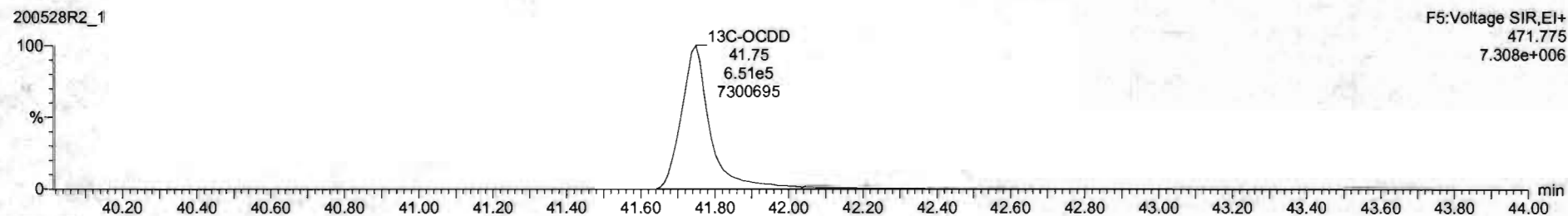
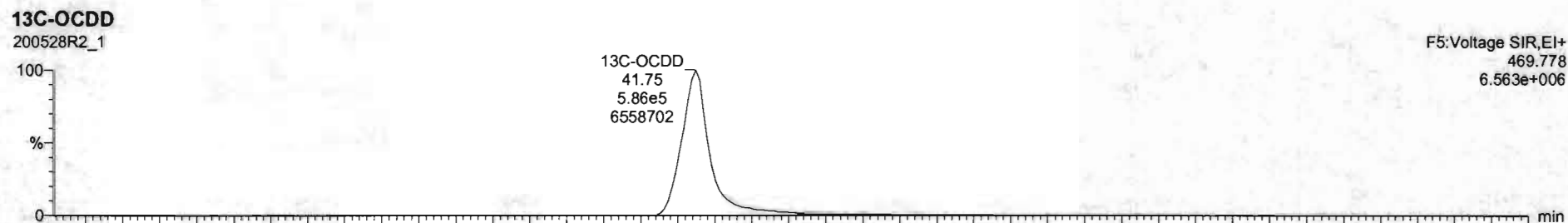
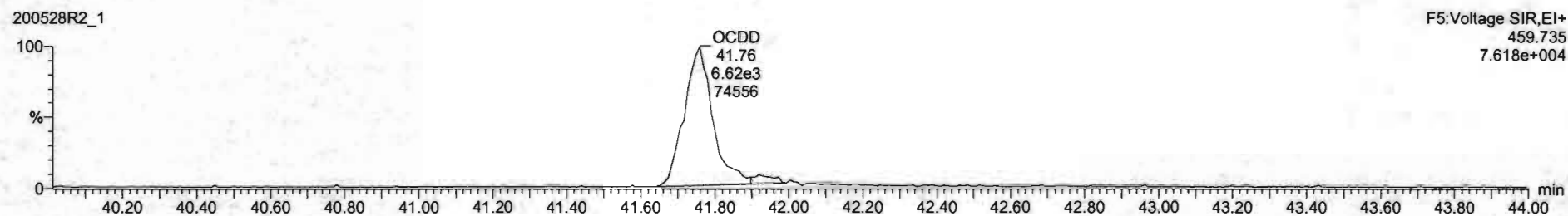
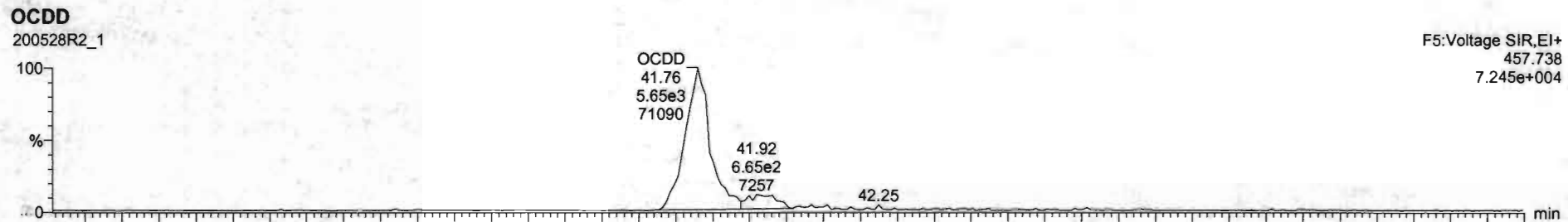
SI	Name	Reap	RA	nty	RRF	wtdvol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.70e3	0.58	NO	0.8583	1.000	26.54	1.000	0.212	88.2	0.0247	0.212
2	1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9081	1.000	31.50	1.000	1.12	90.0	0.0282	1.12
3	1,2,3,4,7,8-HxCDD	5.02e3	1.27	NO	1.0324	1.000	34.86	1.000	1.12	69.4	0.0426	1.12
4	1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8923	1.000	34.97	1.001	1.12	89.7	0.0405	1.12
5	1,2,3,7,8,9-HxCDD	6.14e3	1.30	NO	0.8065	1.000	35.25	1.000	1.10	88.1	0.0464	1.10
6	1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8839	1.000	36.70	1.000	1.09	87.2	0.0506	1.09
7	OCDD	1.23e4	0.85	NO	0.9136	1.000	41.70	1.000	2.27	90.9	0.0470	2.27
8	2,3,7,8-TCDF	3.27e3	0.73	NO	0.7510	1.000	25.67	1.001	0.323	89.1	0.0142	0.222
9	1,2,3,7,8-PeCDF	1.46e4	1.51	NO	0.8925	1.000	30.20	1.000	1.09	67.1	0.0269	1.09
10	2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9348	1.000	31.19	1.000	1.12	89.2	0.0260	1.12
11	1,2,3,4,7,8-HxCDF	6.96e3	1.25	NO	0.8845	1.000	33.99	1.001	1.08	86.2	0.0369	1.08
12	1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8052	1.000	34.11	1.001	1.12	89.2	0.0334	1.12
13	2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	34.70	1.001	1.10	88.3	0.0379	1.10
14	1,2,3,7,8,9-HxCDF	7.46e3	1.19	NO	0.8707	1.000	35.61	1.001	1.11	89.0	0.0549	1.11
15	1,2,3,4,6,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	37.37	1.000	1.09	86.9	0.0524	1.09
16	1,2,3,4,7,8,9-HxCDF	5.26e3	0.99	NO	1.0128	1.000	39.33	1.001	1.02	81.8	0.0523	1.02
17	OCDF	1.27e4	0.87	NO	0.8085	1.000	41.96	1.000	2.33	93.4	0.0409	2.33
18	13C-2,3,7,8-TCDD	1.43e8	0.80	NO	1.1563	1.000	26.54	1.026	111	111	0.0682	
19	13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8450	1.000	31.48	1.216	107	107	0.135	
20	13C-1,2,3,4,7,8-HxCDD	6.95e5	1.27	NO	0.7790	1.000	24.85	1.014	106	106	0.318	
21	13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0187	1.000	34.95	1.017	108	108	0.243	



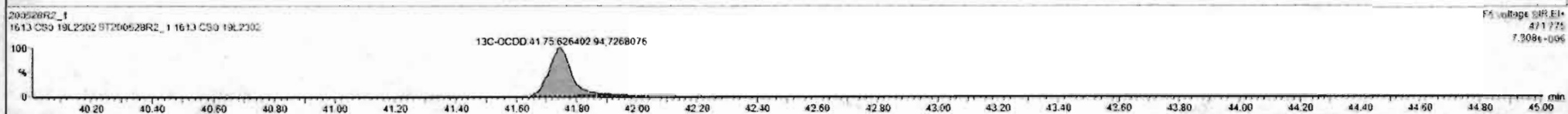
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Name: 200528R2_1, Date: 28-May-2020, Time: 11:53:52, ID: ST200528R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302



#	Name	Resp	RA	nHy	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.70e3	0.68	NO	0.8863	1.000	26.54	1.000	0.212	85.2	0.0247	0.213
2	1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9081	1.000	31.50	1.000	1.12	90.0	0.0292	1.13
3	1,2,3,4,7,8-HxCDD	8.03e3	1.27	NO	1.0334	1.000	34.06	1.000	1.12	89.4	0.0426	1.12
4	1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8523	1.000	34.97	1.001	1.12	89.7	0.0405	1.12
5	1,2,3,7,8,9-HxCDD	8.14e3	1.20	NO	0.8205	1.000	35.25	1.000	1.10	88.1	0.0464	1.10
6	1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8639	1.000	36.78	1.000	1.09	87.2	0.0566	1.09
7	OCDD	1.23e4	0.85	NO	0.9138	1.000	41.78	1.000	2.27	90.9	0.0470	2.27
8	2,3,7,8-TCDF	3.27e3	0.73	NO	0.7510	1.000	25.67	1.001	0.223	89.1	0.0142	0.223
9	1,2,3,7,8-PeCDF	1.46e4	1.61	NO	0.8925	1.000	30.20	1.000	1.09	87.1	0.0269	1.09
10	2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9346	1.000	31.19	1.000	1.12	89.2	0.0260	1.12
11	1,2,3,4,7,8-HxCDF	8.96e3	1.25	NO	0.8845	1.000	33.99	1.001	1.03	86.2	0.0369	1.08
12	1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8552	1.000	34.11	1.001	1.12	89.3	0.0334	1.12
13	2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	34.70	1.001	1.10	88.3	0.0379	1.10
14	1,2,3,7,8,9-HxCDF	7.48e3	1.19	NO	0.8707	1.000	35.61	1.001	1.11	89.0	0.0549	1.11
15	1,2,3,4,6,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	37.37	1.000	1.09	86.9	0.0524	1.09
16	1,2,3,4,7,8,9-HpCDF	5.26e3	0.99	NO	1.0128	1.000	39.33	1.001	1.02	81.8	0.0523	1.02
17	OCDF	1.27e4	0.87	NO	0.8065	1.000	41.96	1.000	2.33	93.4	0.0409	2.33
18	13C-2,3,7,8-TCDD	1.43e6	0.80	NO	1.1563	1.000	28.54	1.026	111	111	0.0682	
19	13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8490	1.000	31.48	1.216	107	107	0.135	
20	13C-1,2,3,4,7,8-HxCDD	8.95e5	1.27	NO	0.7750	1.000	34.85	1.014	106	106	0.318	
21	13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0187	1.000	34.95	1.017	108	108	0.243	



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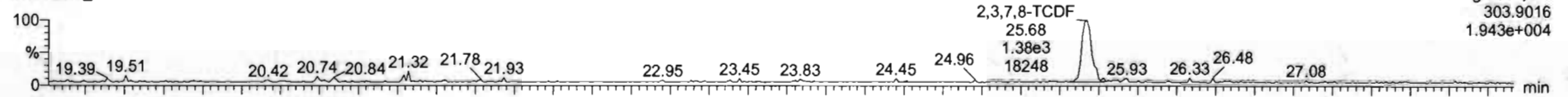
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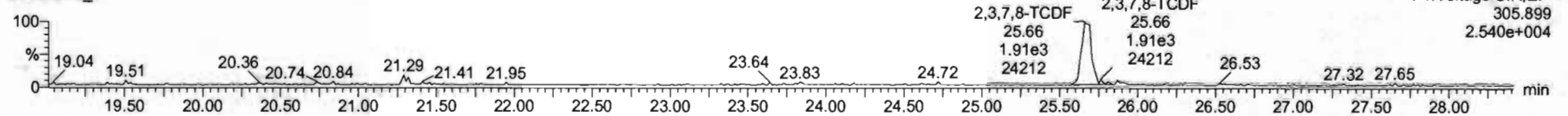
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2,3,7,8-TCDF

200528R2_1

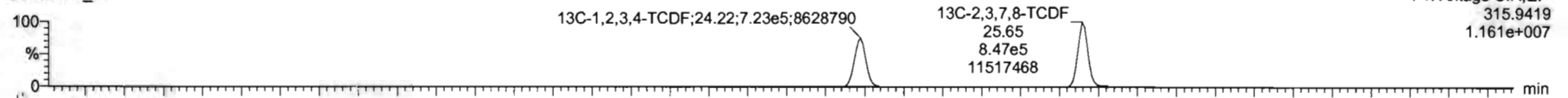


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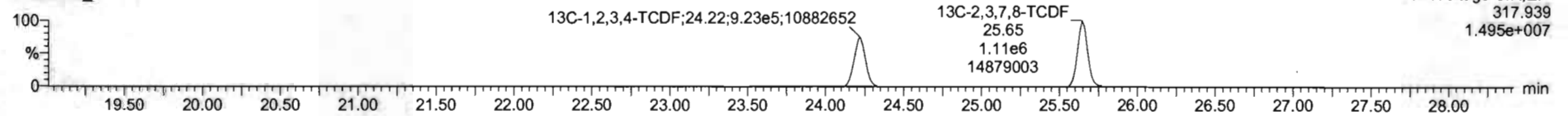


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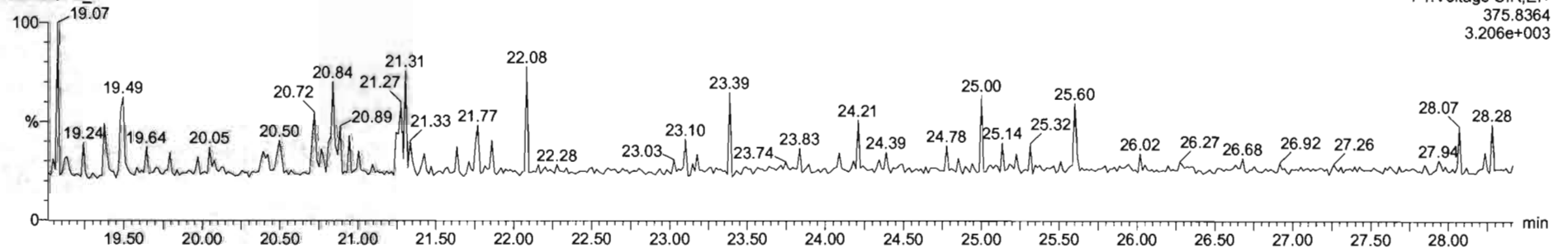


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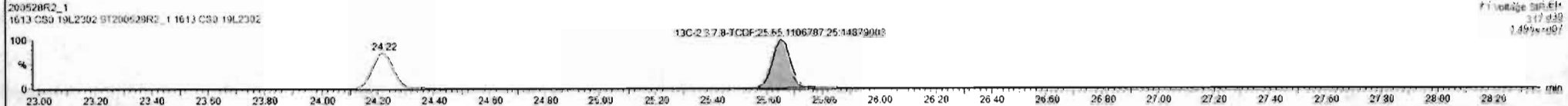
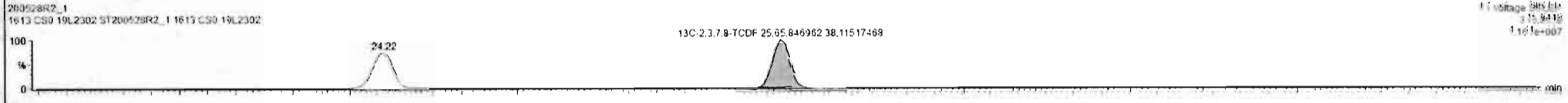
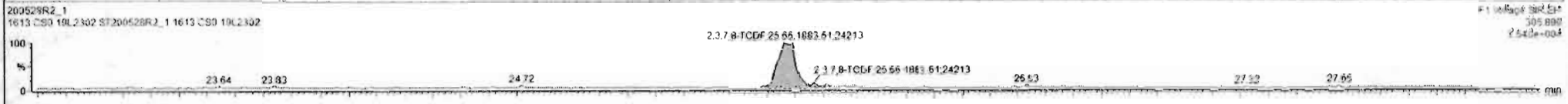
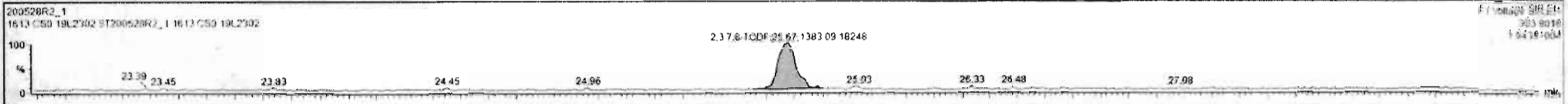


DPE1

200528R2_1



#	Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.70e3	0.68	NO	0.8883	1.000	26.54	1.000	0.212	95.2	0.0247	0.212
2	1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9081	1.000	21.50	1.000	1.12	90.6	0.0292	1.12
3	1,2,3,4,7,8-HxCDD	8.03e2	1.27	NO	1.0324	1.000	24.96	1.000	1.12	89.4	0.0426	1.12
4	1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8923	1.000	24.97	1.001	1.13	89.7	0.0465	1.12
5	1,2,3,7,8,9-HxCDD	8.14e3	1.20	NO	0.8865	1.000	25.25	1.000	1.10	88.1	0.0464	1.10
6	1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8639	1.000	26.78	1.000	1.09	87.2	0.0566	1.09
7	OCDD	1.23e4	0.85	NO	0.9136	1.000	41.76	1.000	2.27	90.9	0.0470	2.27
8	2,3,7,8-TCDF	3.27e3	0.73	NO	0.7510	1.000	25.67	1.001	0.223	89.1	0.0140	0.223
9	1,2,3,7,8-PeCDF	1.46e4	1.61	NO	0.8925	1.000	20.20	1.000	1.09	87.1	0.0269	1.09
10	2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9348	1.000	21.19	1.000	1.12	89.2	0.0260	1.12
11	1,2,3,4,7,8-HxCDF	8.95e3	1.25	NO	0.8845	1.000	23.99	1.001	1.00	86.2	0.0369	1.00
12	1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8862	1.000	24.11	1.001	1.12	89.3	0.0334	1.12
13	2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	24.70	1.001	1.10	88.3	0.0279	1.10
14	1,2,3,7,8,9-HxCDF	7.48e3	1.19	NO	0.8707	1.000	25.61	1.001	1.11	89.0	0.0549	1.11
15	1,2,3,4,6,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	27.37	1.000	1.09	86.9	0.0624	1.09
16	1,2,3,4,7,8,9-HpCDF	5.26e3	0.99	NO	1.0126	1.000	29.33	1.001	1.02	61.6	0.0523	1.02
17	OCDF	1.27e4	0.87	NO	0.8085	1.000	41.96	1.000	2.23	92.4	0.0409	2.23
18	13C-2,3,7,8-TCDD	1.42e6	0.80	NO	1.1583	1.000	26.54	1.026	111	111	0.0682	
19	13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8490	1.000	21.48	1.216	107	107	0.135	
20	13C-1,2,3,4,7,8-HxCDD	6.95e5	1.27	NO	0.7790	1.000	24.85	1.014	106	106	0.318	
21	13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0167	1.000	24.95	1.017	168	168	0.243	



Custom Reporting: Select reports to generate

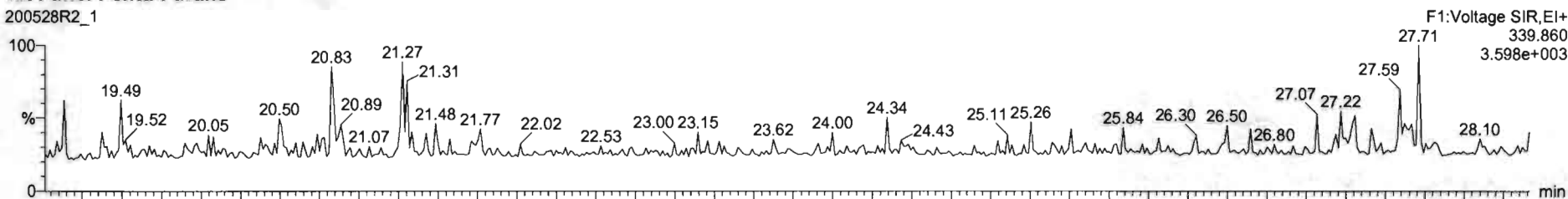
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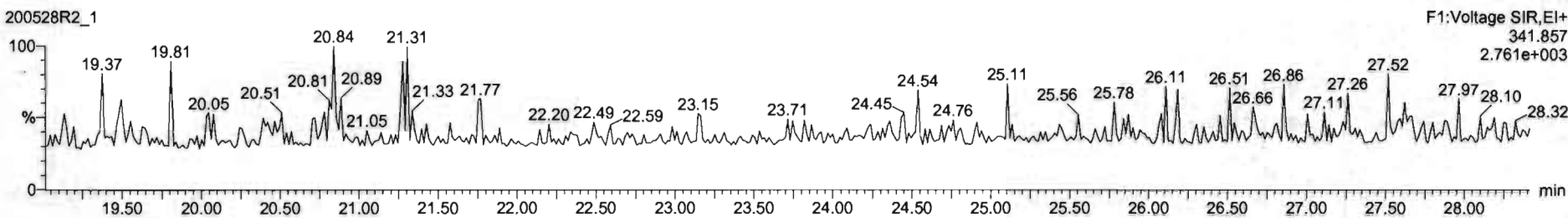
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200528R2_1

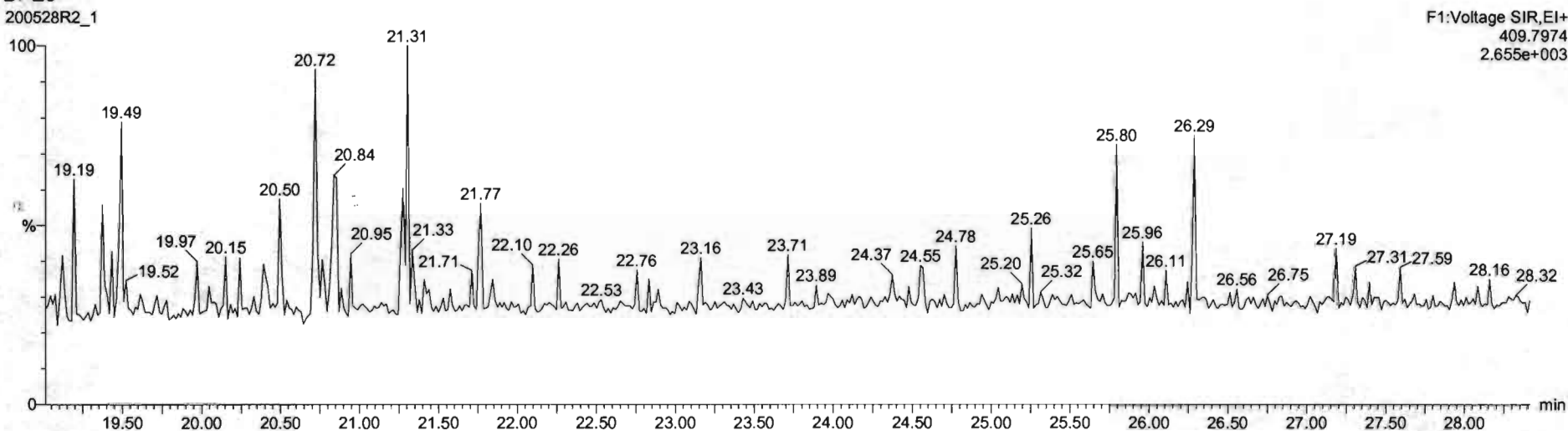


200528R2_1



DPE6

200528R2_1



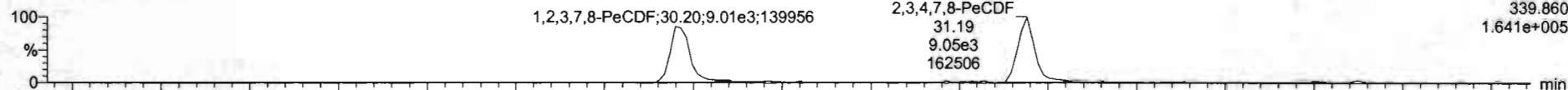
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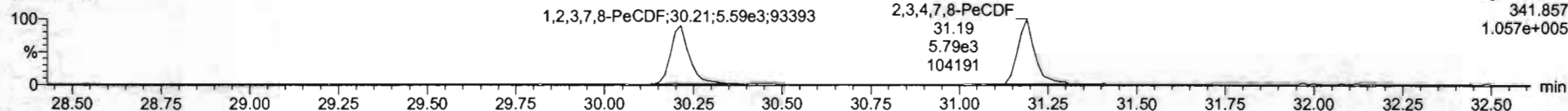
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1,2,3,7,8-PeCDF

200528R2_1

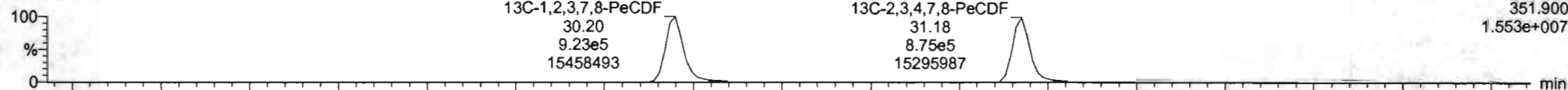


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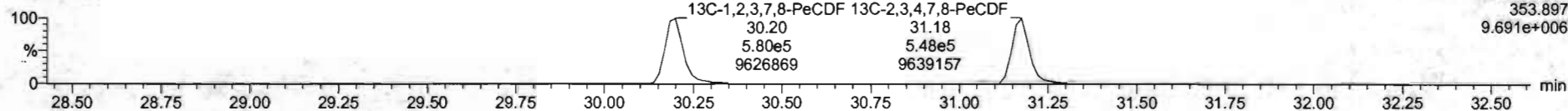


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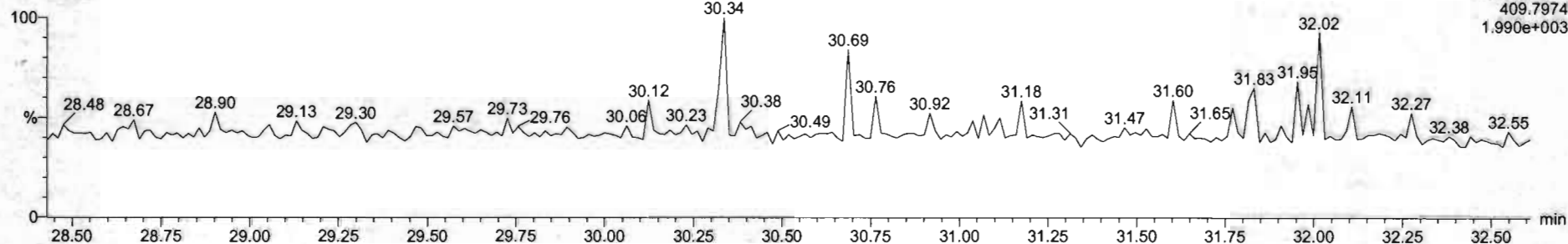


200528R2_1



DPE2

200528R2_1



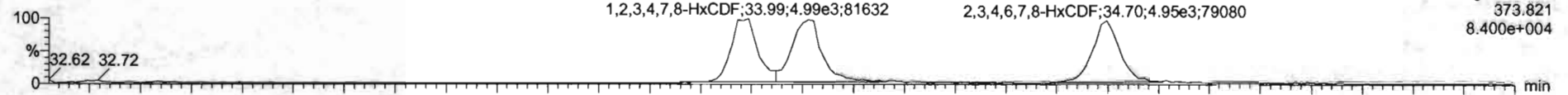
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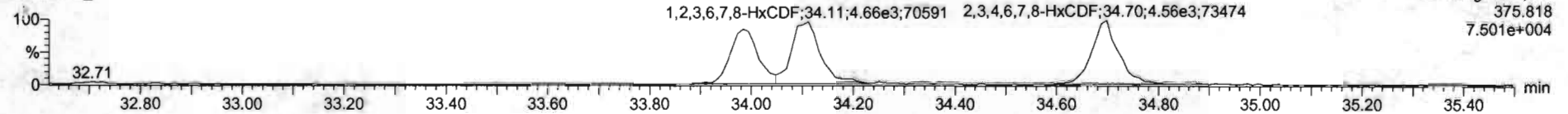
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F3:Voltage SIR,EI+
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8.400e+004

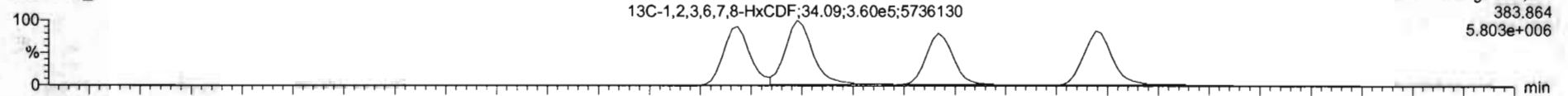
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7.501e+004

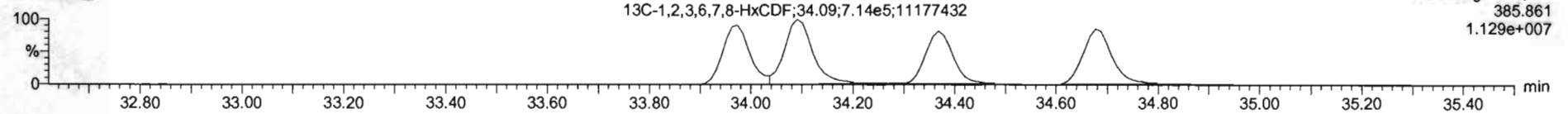
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200528R2_1



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5.803e+006

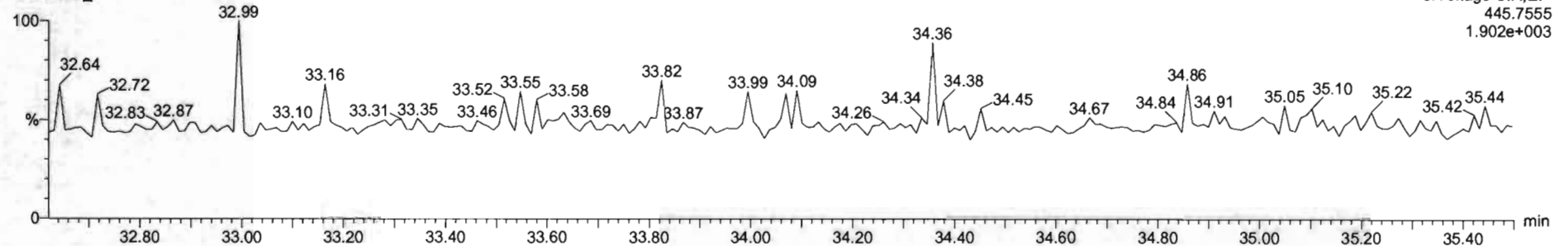
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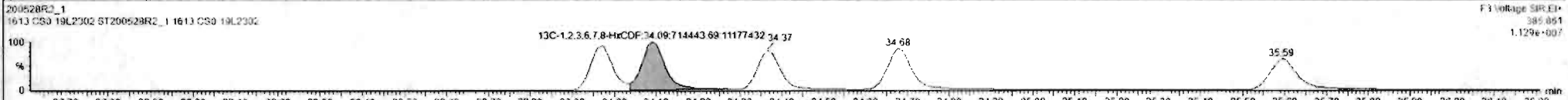
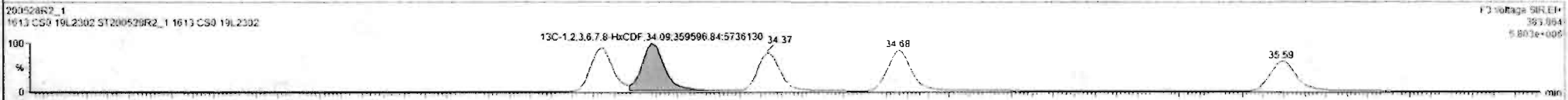
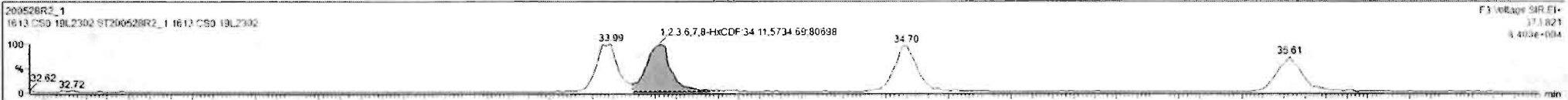
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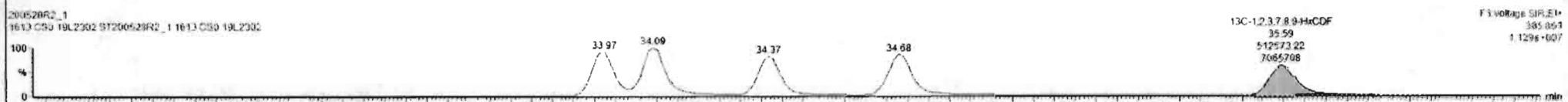
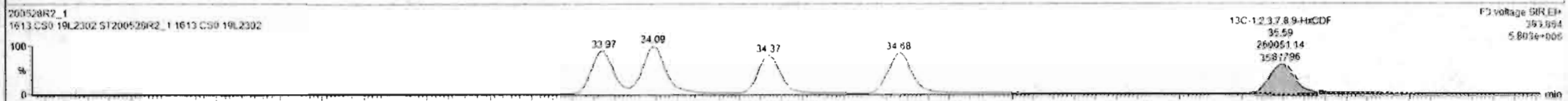


F3:Voltage SIR,EI+
445.7555
1.902e+003

Name	Resp	RA	inj	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.70e3	0.58	NO	0.8883	1.000	26.54	1.000	0.213	85.2	0.0247	0.213
2 1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.6051	1.000	31.50	1.000	1.12	90.0	0.0292	1.12
3 1,2,3,4,7,8-HxCDD	8.03e3	1.27	NO	1.0324	1.000	24.86	1.000	1.12	89.4	0.0426	1.12
4 1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8923	1.000	34.97	1.001	1.12	89.7	0.0405	1.12
5 1,2,3,7,8,9-HxCDD	5.14e3	1.20	NO	0.8265	1.000	35.25	1.000	1.10	88.1	0.0464	1.10
6 1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8639	1.000	38.78	1.000	1.09	87.2	0.0566	1.09
7 OCDD	1.23e4	0.85	NO	0.9136	1.000	41.76	1.000	2.27	90.9	0.0470	2.27
8 2,3,7,8-TCDF	3.27e3	0.73	NO	0.7510	1.000	28.67	1.001	0.223	89.1	0.0147	0.223
9 1,2,3,7,8-PeCDF	1.46e4	1.81	NO	0.8925	1.000	30.20	1.000	1.09	87.1	0.0709	1.09
10 2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9348	1.000	31.19	1.000	1.12	89.2	0.0260	1.12
11 1,2,3,4,7,8-HxCDF	5.56e3	1.25	NO	0.8845	1.000	33.99	1.001	1.05	86.2	0.0369	1.08
12 1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8082	1.000	34.11	1.001	1.12	89.3	0.0334	1.12
13 2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	34.70	1.001	1.10	88.3	0.0279	1.10
14 1,2,3,7,8,9-HxCDF	7.46e3	1.19	NO	0.8707	1.000	35.61	1.001	1.11	89.0	0.0549	1.11
15 1,2,3,4,6,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	37.37	1.000	1.09	86.9	0.0524	1.09
16 1,2,3,4,7,8,9-HpCDF	5.26e3	0.99	NO	1.0128	1.000	39.33	1.001	1.62	81.8	0.0523	1.02
17 OCDF	1.27e4	0.87	NO	0.8085	1.000	41.96	1.000	2.33	93.4	0.0409	2.33
18 13C-2,3,7,8-TCDD	1.43e6	0.80	NO	1.1563	1.000	26.54	1.026	111	111	0.0682	
19 13C-1,2,3,7,8-PeCDD	1.08e6	0.64	NO	0.8450	1.000	31.48	1.216	107	107	0.135	
20 13C-1,2,3,4,7,8-HxCDD	6.95e6	1.27	NO	0.7790	1.000	24.85	1.014	106	106	0.318	
21 13C-1,2,3,6,7,8-HxCDD	9.27e6	1.27	NO	1.0167	1.000	34.95	1.017	108	108	0.243	



#	Name	Resp	RA	ntf	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.76e3	0.68	NO	0.8883	1.000	26.54	1.000	0.213	95.2	0.0247	0.213
2	1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9081	1.000	31.55	1.000	1.12	96.0	0.0292	1.12
3	1,2,3,4,7,8-HxCDD	8.03e3	1.27	NO	1.0334	1.000	24.96	1.000	1.12	89.4	0.0426	1.12
4	1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8523	1.000	24.97	1.001	1.12	89.7	0.0405	1.12
5	1,2,3,7,8,9-HxCDD	8.14e3	1.20	NO	0.8265	1.000	25.25	1.000	1.10	88.1	0.0464	1.10
6	1,2,3,4,6,7,8-HpCDD	6.16e3	0.99	NO	0.8630	1.000	26.72	1.000	1.09	87.2	0.0566	1.09
7	OCDD	1.23e4	0.85	NO	0.9136	1.000	41.76	1.000	2.27	90.9	0.0470	2.27
8	2,3,7,8-TCDF	3.27e3	0.73	NO	0.7510	1.000	25.67	1.001	0.225	89.1	0.0142	0.225
9	1,2,3,7,8-PeCDF	1.46e4	1.61	NO	0.8325	1.000	20.20	1.000	1.09	87.1	0.0265	1.09
10	1,2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9346	1.000	21.19	1.000	1.12	89.2	0.0260	1.12
11	1,2,3,4,7,8,9-HxCDF	6.98e3	1.25	NO	0.8545	1.000	23.95	1.001	1.08	86.2	0.0369	1.08
12	1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8252	1.000	24.11	1.001	1.12	89.3	0.0334	1.12
13	2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	24.70	1.001	1.10	88.3	0.0279	1.10
14	1,2,3,7,8,9-HxCDF	7.46e3	1.19	NO	0.8707	1.000	25.61	1.001	1.11	89.0	0.0549	1.11
15	1,2,3,4,6,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	27.37	1.000	1.09	86.9	0.0524	1.09
16	1,2,3,4,7,8,9-HpCDF	5.26e3	0.99	NO	1.0126	1.000	20.33	1.001	1.02	81.6	0.0523	1.02
17	OCDF	1.27e4	0.87	NO	0.8065	1.000	41.96	1.000	2.33	93.4	0.0409	2.33
18	13C-2,3,7,8-TCDD	1.42e6	0.80	NO	1.1563	1.000	26.54	1.026	111	111	0.0832	
19	13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8490	1.000	31.48	1.216	107	107	0.135	
20	13C-1,2,3,4,7,8-HxCDD	6.95e5	1.27	NO	0.7790	1.000	24.85	1.014	106	106	0.318	
21	13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0167	1.000	24.95	1.017	108	108	0.243	

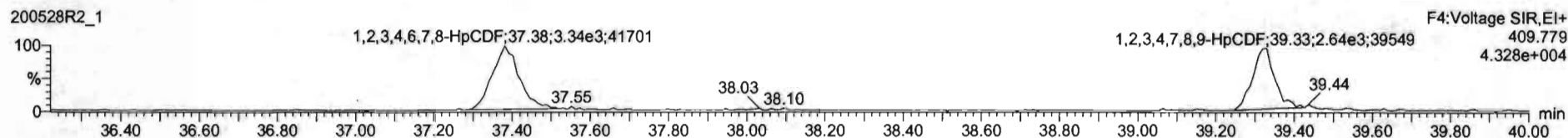
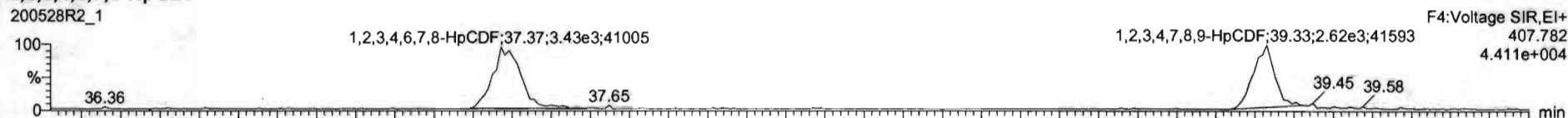


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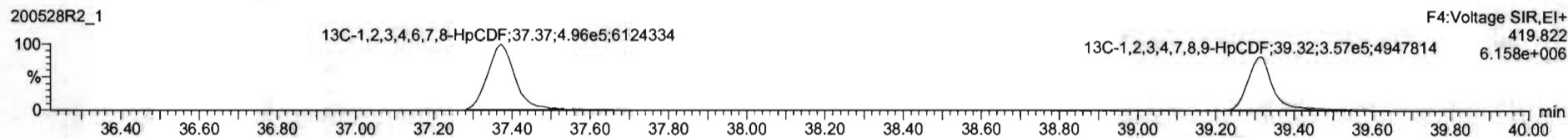
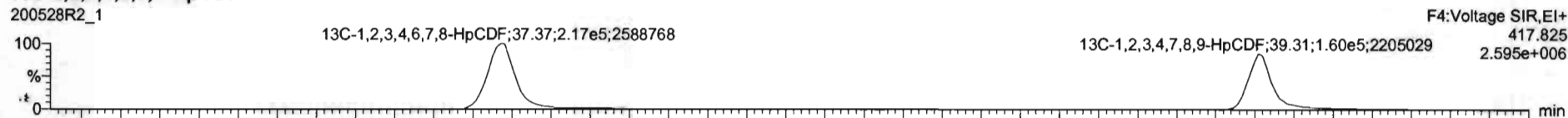
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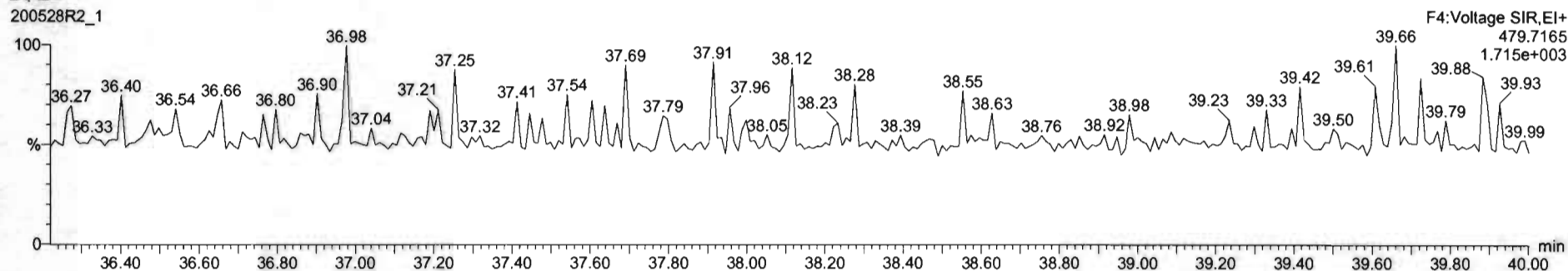
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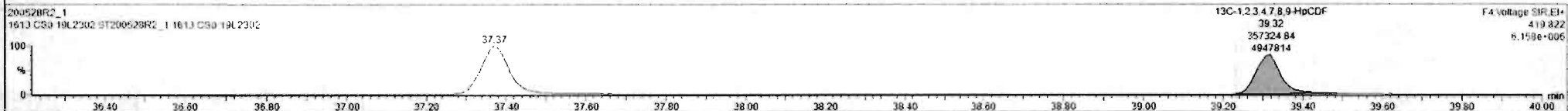
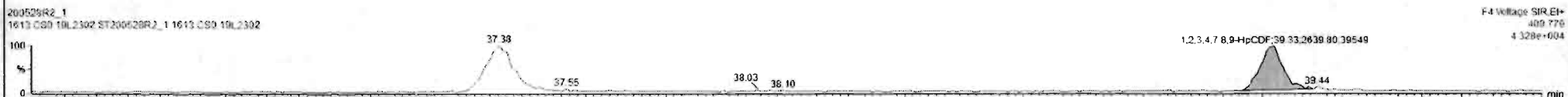
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CPE4



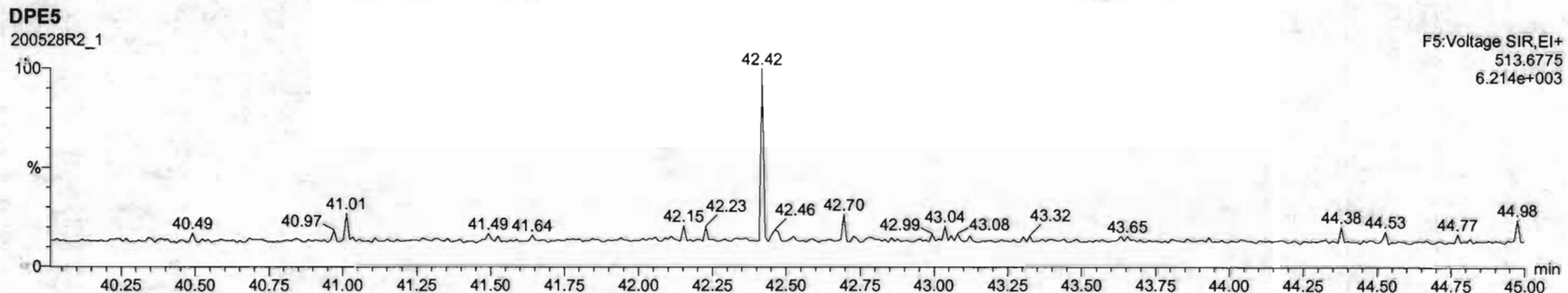
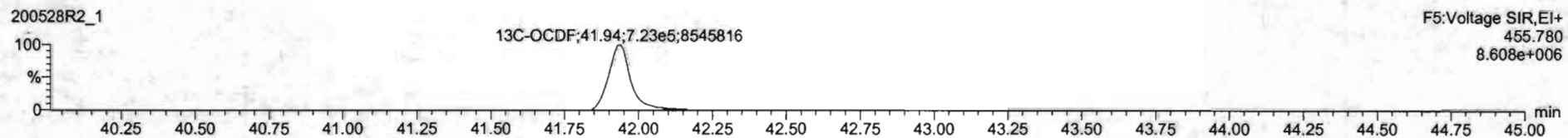
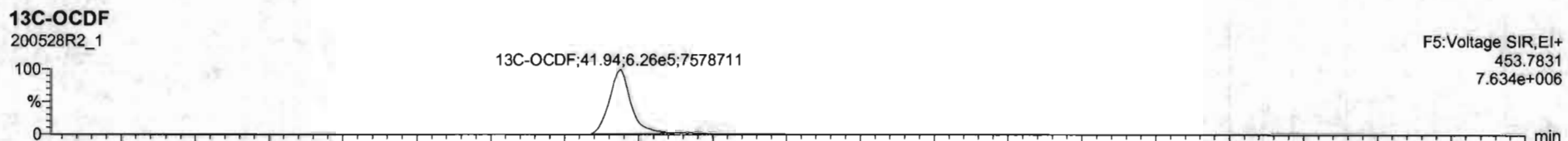
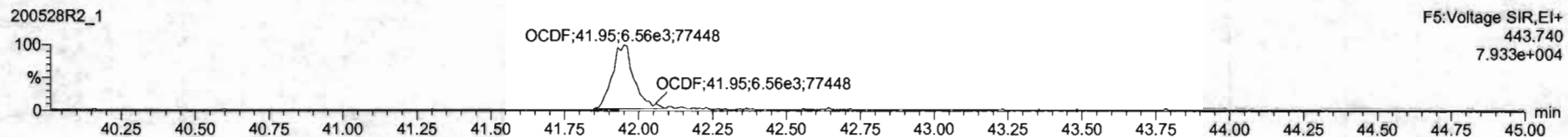
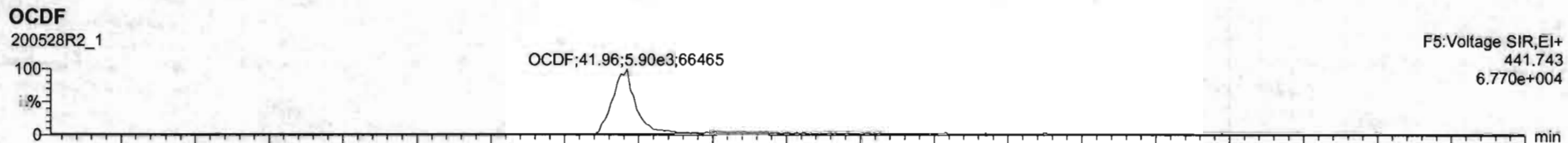
Name	Reop	RA	nBy	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
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2 1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.6081	1.000	31.50	1.000	1.12	90.0	0.0292	1.13
3 1,2,3,4,7,8-HxCDD	8.02e3	1.27	NO	1.0334	1.000	34.86	1.000	1.12	89.4	0.0426	1.12
4 1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.8923	1.000	34.97	1.001	1.12	89.7	0.0405	1.12
5 1,2,3,7,8,9-HxCDF	8.14e3	1.20	NO	0.8269	1.000	35.25	1.000	1.10	88.1	0.0404	1.10
6 1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8639	1.000	36.78	1.000	1.09	87.2	0.0566	1.09
7 OCDD	1.23e4	0.85	NO	0.9136	1.000	41.76	1.000	2.27	90.0	0.0470	2.27
8 2,3,7,8-TCDF	3.27e3	0.73	NO	0.7510	1.000	25.87	1.001	0.223	89.1	0.0142	0.223
9 1,2,3,7,8-PeCDF	1.46e4	1.61	NO	0.8925	1.000	30.20	1.000	1.09	87.1	0.0269	1.09
10 2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9346	1.000	31.19	1.000	1.12	89.2	0.0260	1.12
11 1,2,3,4,7,8-HxCDF	6.98e3	1.25	NO	0.8845	1.000	33.99	1.001	1.08	86.2	0.0369	1.08
12 1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8852	1.000	34.11	1.001	1.12	89.0	0.0334	1.12
13 2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	34.70	1.001	1.10	88.3	0.0279	1.10
14 1,2,3,7,8,9-HxCDF	7.48e3	1.19	NO	0.8797	1.000	35.61	1.001	1.11	89.0	0.0549	1.11
15 1,2,3,4,6,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	37.37	1.000	1.09	88.9	0.0524	1.09
16 1,2,3,4,7,8,9-HpCDF	5.26e3	0.99	NO	1.0126	1.000	38.35	1.001	1.02	81.6	0.0523	1.02
17 OCDF	1.27e4	0.87	NO	0.8065	1.000	41.96	1.000	2.33	92.4	0.0409	2.33
18 13C-2,3,7,8-TCDD	1.42e6	0.80	NO	1.1563	1.000	26.54	1.026	111	111	0.0682	
19 13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8490	1.000	31.48	1.216	107	107	0.135	
20 13C-1,2,3,4,7,8-HxCDD	6.95e5	1.27	NO	0.7790	1.000	34.85	1.014	106	106	0.218	
21 13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0167	1.000	34.95	1.017	108	108	0.243	



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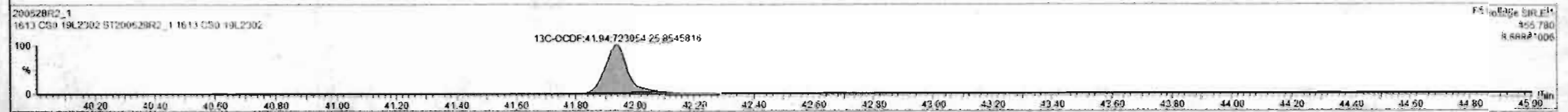
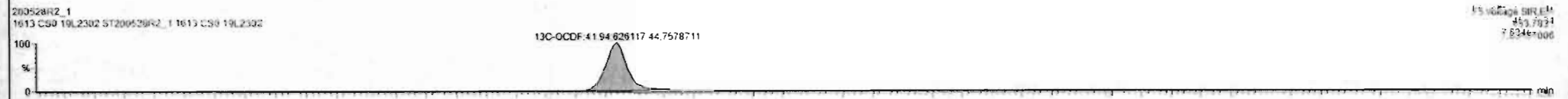
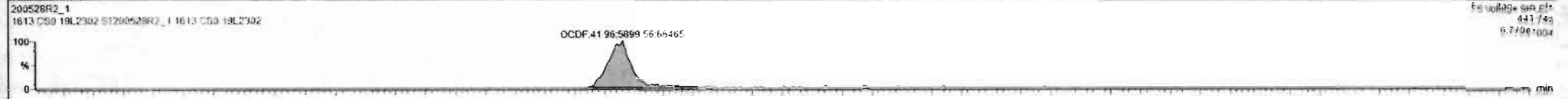
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200528R2_1 1613 CS0 19L2302-1613 CS0 19L2302

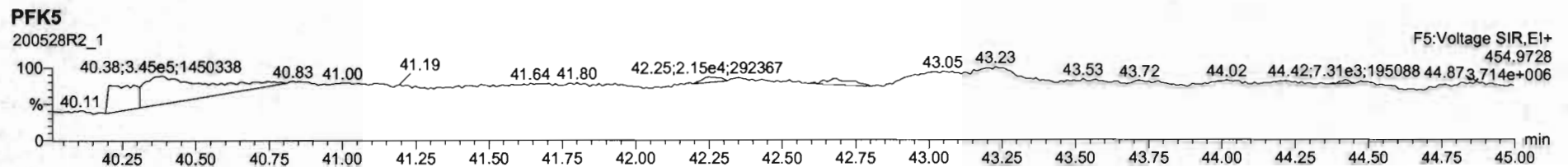
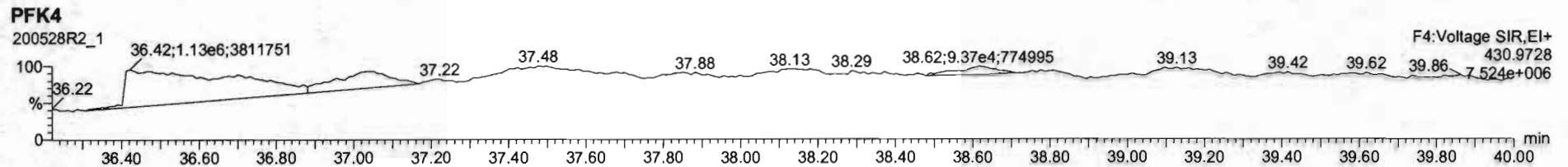
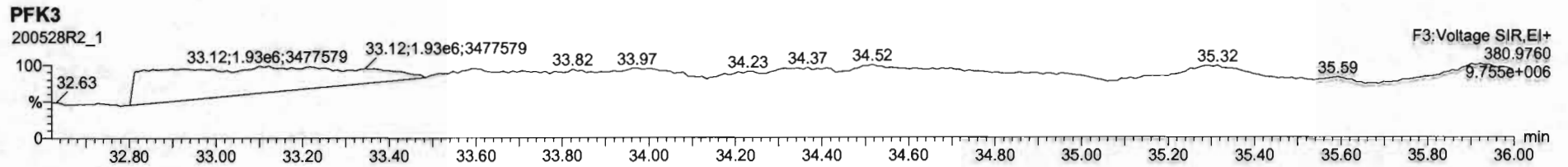
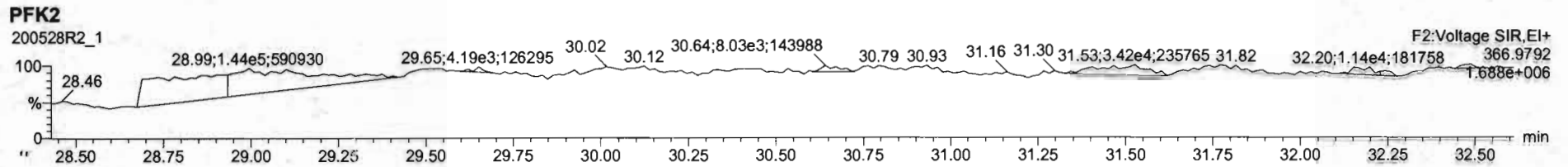
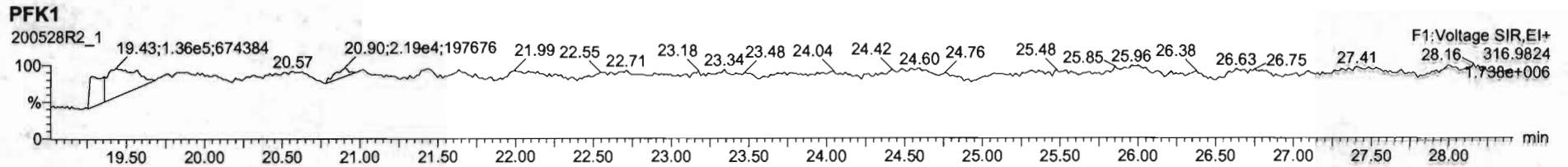
#	Name	Resp	RA	aly	RRF	wtWt	RT	RRT	Conc	%Rec	QL	EMPC
1	2,3,7,8-TCDD	2.70e3	0.98	NO	0.8803	1.000	26.54	1.000	0.212	85.7	0.0247	0.212
2	1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9041	1.000	31.60	1.000	1.12	90.0	0.0202	1.12
3	1,2,3,4,7,8-HxCDD	0.03e3	1.27	NO	1.0324	1.000	34.86	1.000	1.12	89.4	0.042E	1.12
4	1,2,3,6,7,8-HxCDD	9.27e3	1.23	NO	0.9523	1.000	34.97	1.001	1.12	89.7	0.040E	1.12
5	1,2,3,7,8,9-HxCDD	8.14e3	1.20	NO	0.9205	1.000	35.25	1.000	1.10	88.1	0.0464	1.10
6	1,2,3,4,6,7,8-HpCDD	6.10e3	0.99	NO	0.8639	1.000	36.78	1.000	1.09	87.2	0.056E	1.09
7	OCDD	1.23e4	0.88	NO	0.9136	1.000	41.76	1.000	2.27	90.9	0.0470	2.27
8	2,3,7,8-TCDF	3.27e3	0.75	NO	0.7510	1.000	25.67	1.001	0.223	89.1	0.0142	0.223
9	1,2,3,7,8-PeCDF	1.46e4	1.61	NO	0.8925	1.000	30.20	1.000	1.09	87.1	0.0269	1.09
10	2,3,4,7,8-PeCDF	1.48e4	1.56	NO	0.9348	1.000	21.19	1.000	1.12	89.2	0.0260	1.12
11	1,2,3,4,7,8-HxCDF	6.98e3	1.25	NO	0.8845	1.000	33.99	1.001	1.08	86.2	0.0369	1.08
12	1,2,3,6,7,8-HxCDF	1.07e4	1.16	NO	0.8892	1.000	24.11	1.001	1.12	89.7	0.0334	1.12
13	2,3,4,6,7,8-HxCDF	9.51e3	1.09	NO	0.9341	1.000	34.70	1.001	1.10	88.3	0.0279	1.10
14	1,2,3,7,8,9-HxCDF	7.48e3	1.19	NO	0.8707	1.000	35.61	1.001	1.11	89.0	0.0549	1.11
15	1,2,3,4,5,7,8-HpCDF	6.77e3	1.03	NO	0.8734	1.000	37.37	1.000	1.09	86.9	0.0524	1.09
16	1,2,3,4,7,8,9-HpCDF	5.26e3	0.95	NO	1.0126	1.000	39.33	1.001	1.02	81.6	0.0523	1.02
17	OCDF	1.27e4	0.87	NO	0.8685	1.000	41.96	1.000	2.33	93.4	0.0409	2.33
18	13C-2,3,7,8-TCDD	1.43e6	0.80	NO	1.1563	1.000	26.54	1.026	111	111	0.0632	
19	13C-1,2,3,7,8-PeCDD	1.00e6	0.64	NO	0.8490	1.000	31.48	1.216	107	107	0.135	
20	13C-1,2,3,4,7,8-HxCDD	6.95e5	1.27	NO	0.7790	1.000	24.85	1.014	106	106	0.218	
21	13C-1,2,3,6,7,8-HxCDD	9.27e5	1.27	NO	1.0167	1.000	34.95	1.017	108	108	0.243	



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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

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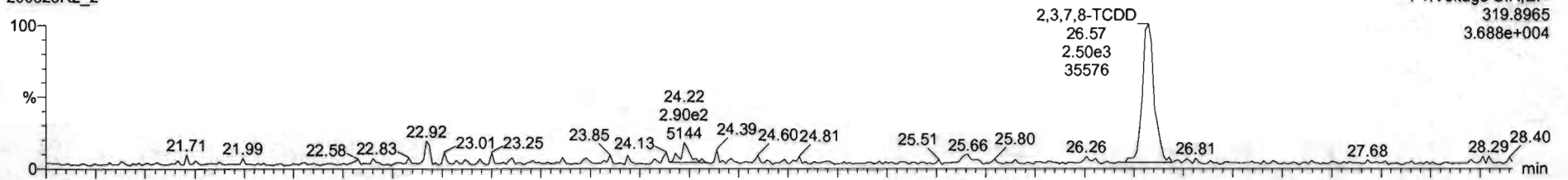
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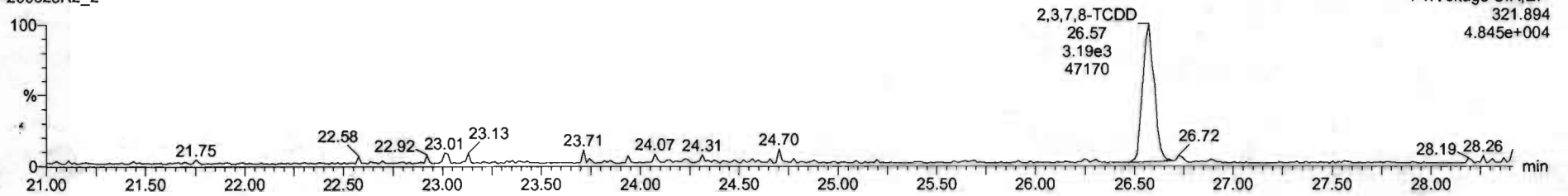
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2,3,7,8-TCDD

200528R2_2

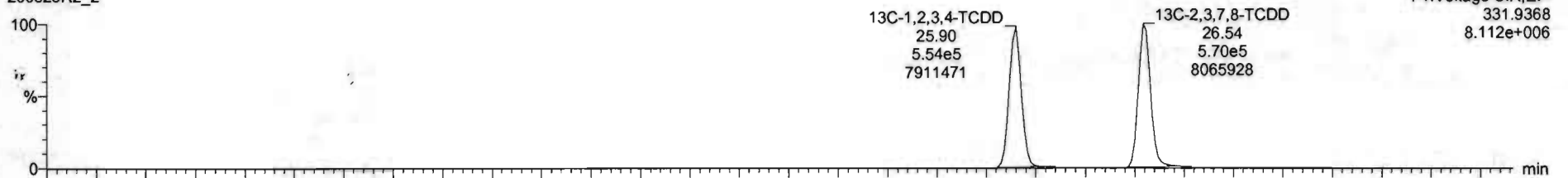


200528R2_2

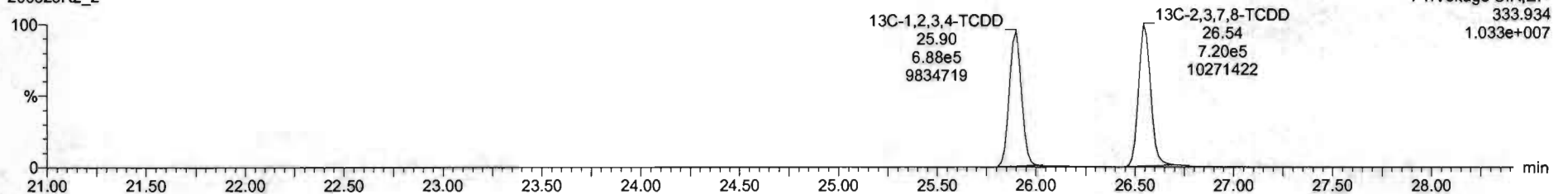


13C-2,3,7,8-TCDD

200528R2_2



200528R2_2



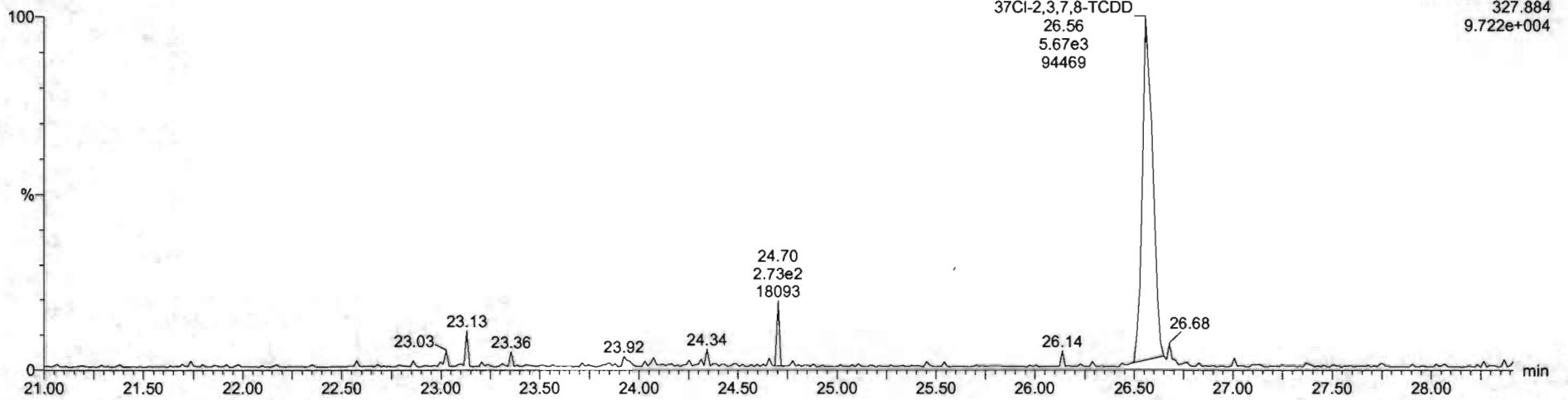
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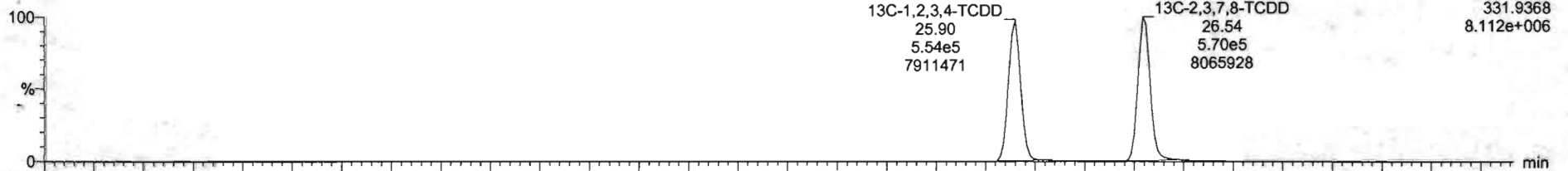
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200528R2_2

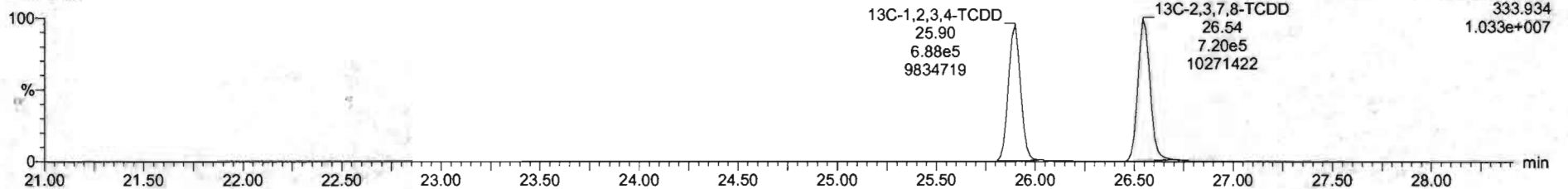


13C-1,2,3,4-TCDD

200528R2_2



200528R2_2



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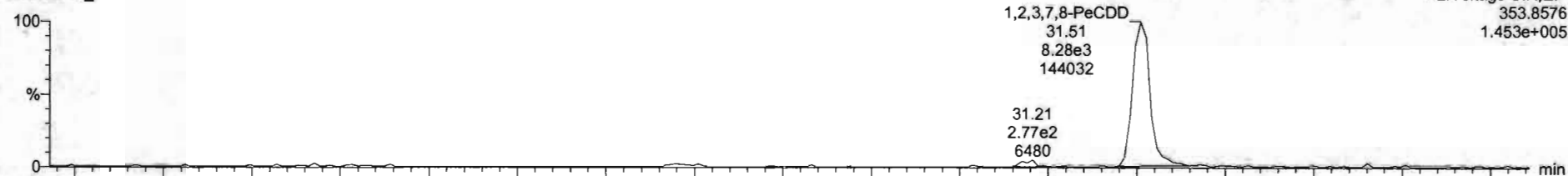
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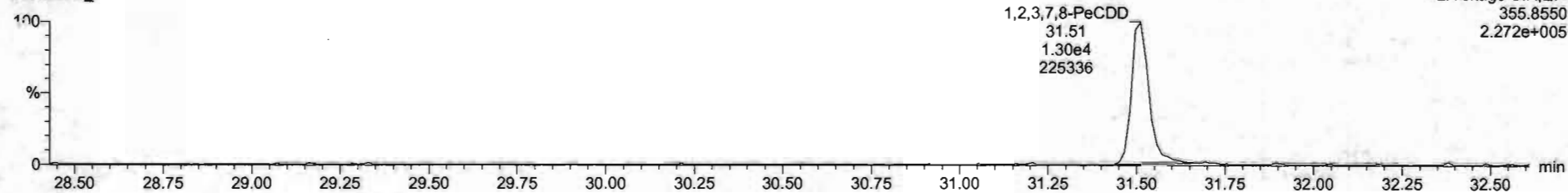
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1,2,3,7,8-PeCDD

200528R2_2

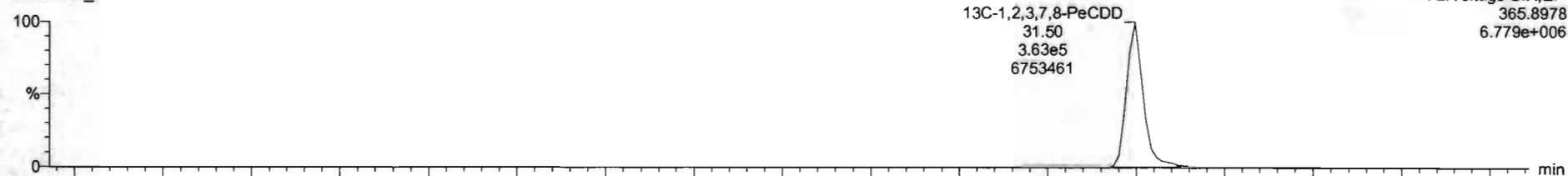


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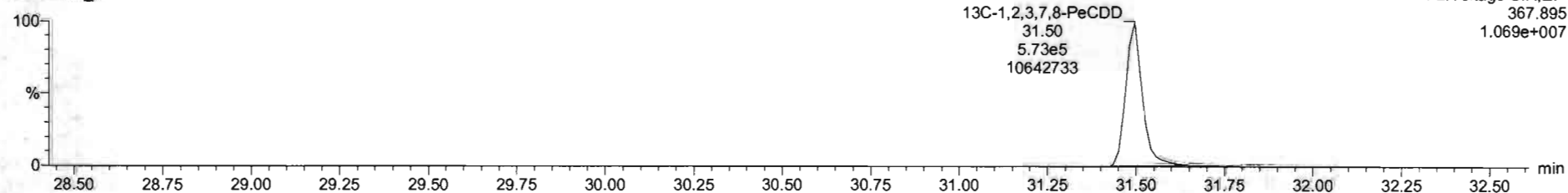


13C-1,2,3,7,8-PeCDD

200528R2_2



200528R2_2



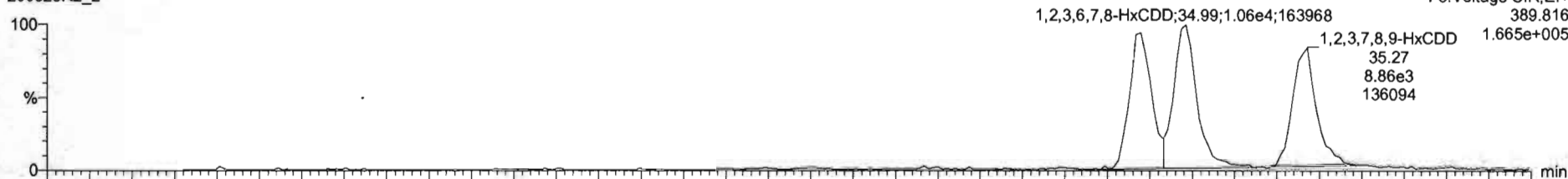
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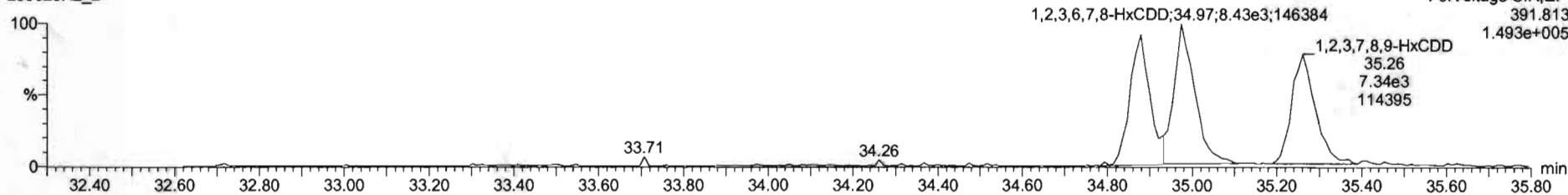
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1,2,3,4,7,8-HxCDD

200528R2_2



200528R2_2

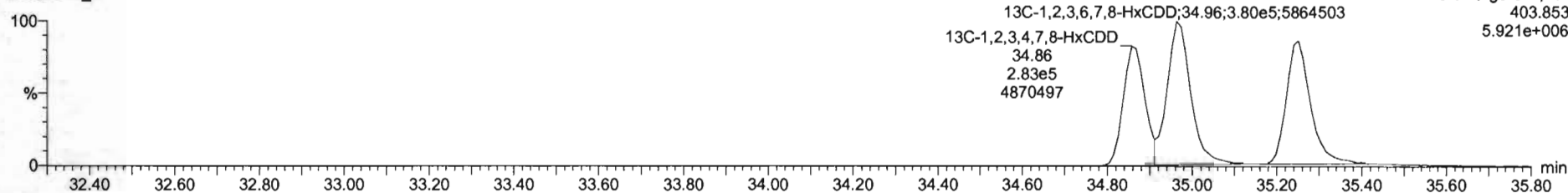


13C-1,2,3,4,7,8-HxCDD

200528R2_2



200528R2_2



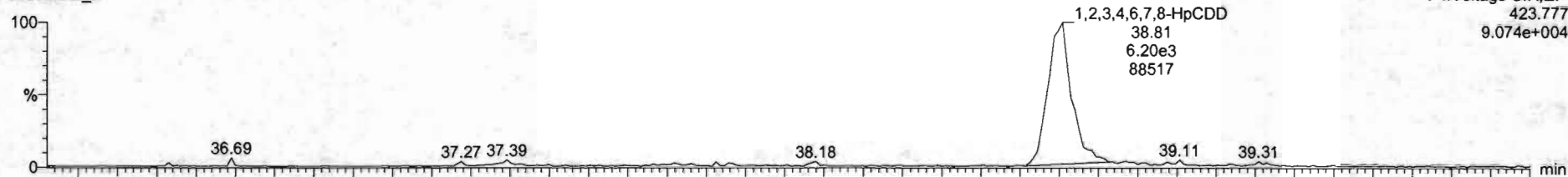
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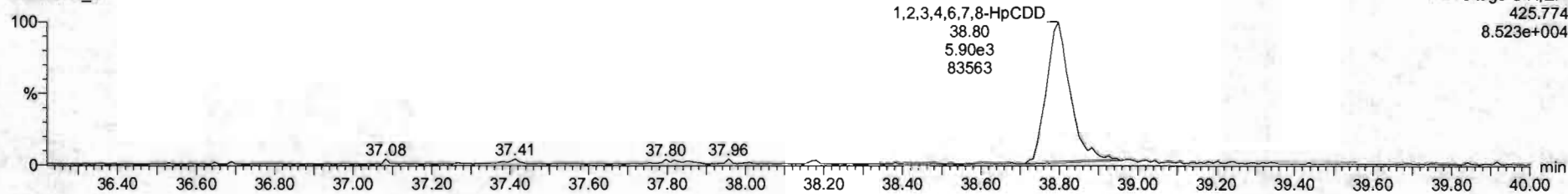
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1,2,3,4,6,7,8-HpCDD

200528R2_2

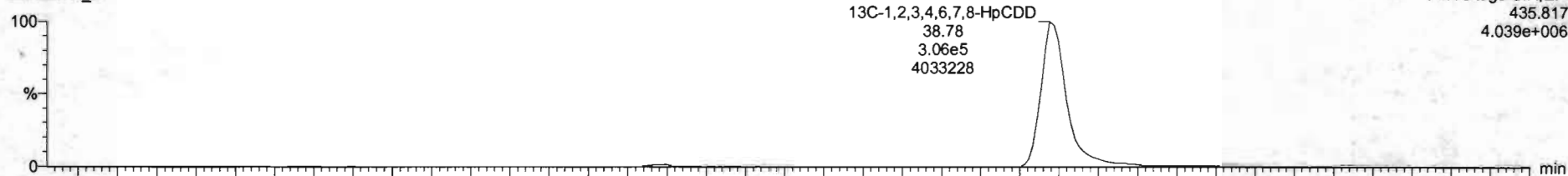


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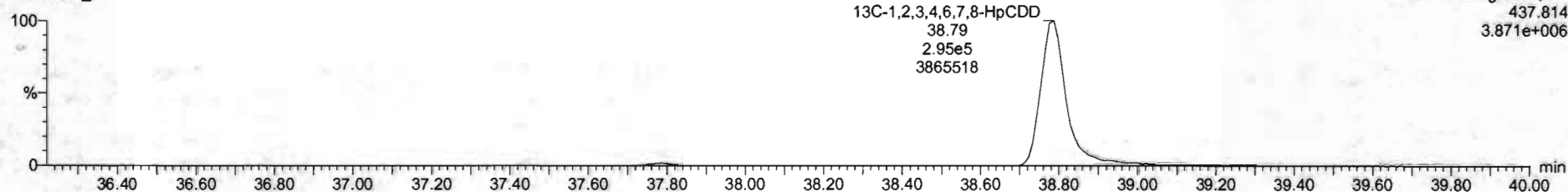


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200528R2_2



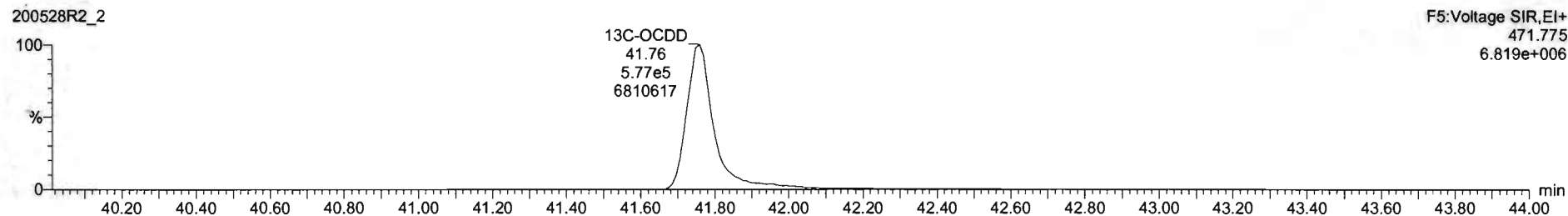
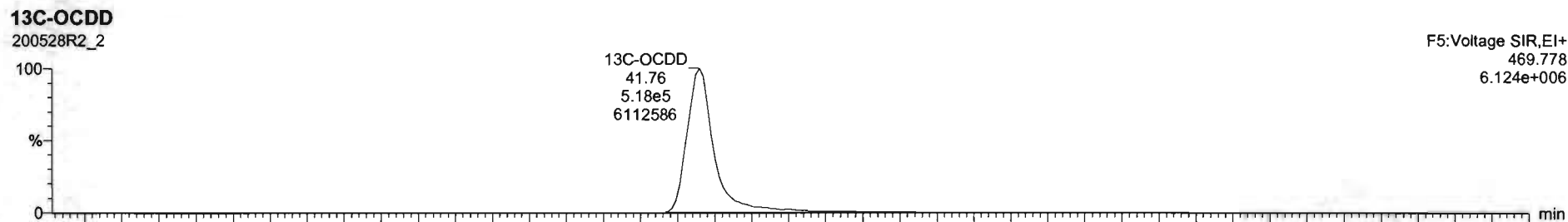
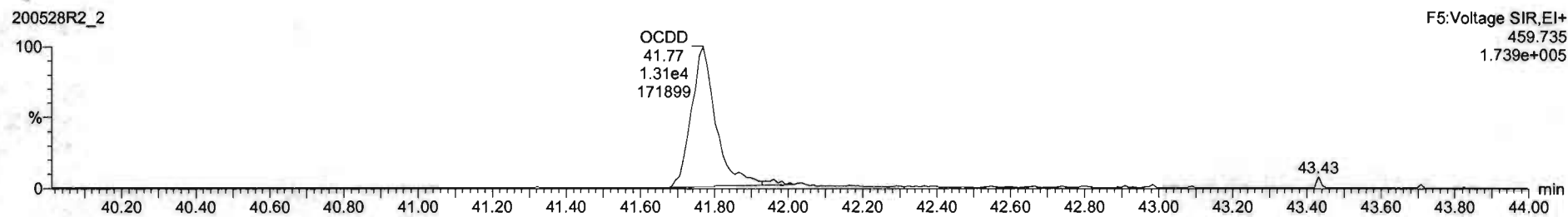
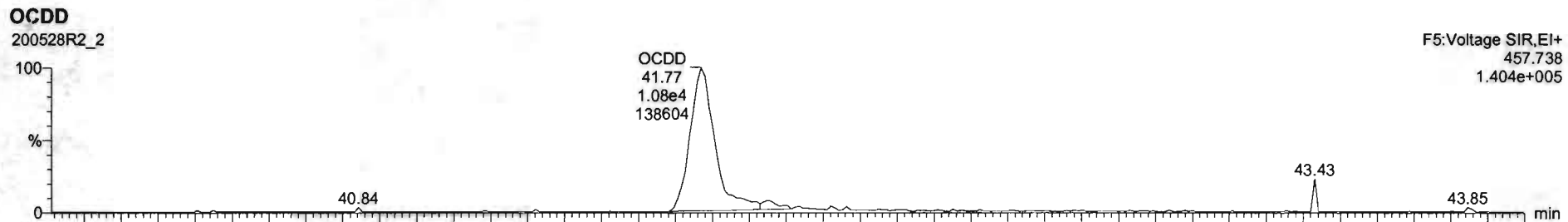
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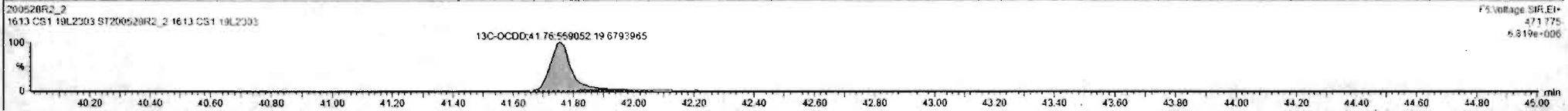
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Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303



Name	Resp	RA	nJy	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	5.69e3	0.78	NO	0.8883	1.000	26.57	1.001	0.497	99.4	0.0473	0.497
2 1,2,3,7,8-PeCDD	2.12e4	0.84	NO	0.9081	1.000	31.51	1.000	2.50	99.9	0.0401	2.50
3 1,2,3,4,7,8-HxCDD	1.69e4	1.27	NO	1.0324	1.000	34.86	1.000	2.53	101	0.0774	2.53
4 1,2,3,6,7,8-HxCDD	1.50e4	1.25	NO	0.8923	1.000	34.99	1.001	2.47	98.6	0.0747	2.47
5 1,2,3,7,8,9-HxCDD	1.62e4	1.21	NO	0.8865	1.000	35.27	1.001	2.44	97.7	0.0676	2.44
6 1,2,3,4,6,7,8-HpCDD	1.21e4	1.05	NO	0.8639	1.000	36.61	1.001	2.33	93.3	0.0613	2.33
7 OCDD	2.39e4	0.83	NO	0.9136	1.000	41.77	1.000	4.97	98.4	0.149	4.97
8 2,3,7,8-TCDF	6.53e3	0.75	NO	0.7510	1.000	25.67	1.001	0.483	97.7	0.0670	0.488
9 1,2,3,7,8-PeCDF	3.08e4	1.55	NO	0.8925	1.000	30.23	1.000	2.52	101	0.0422	2.52
10 2,3,4,7,8-PeCDF	3.19e4	1.55	NO	0.9348	1.000	31.21	1.000	2.52	101	0.0395	2.52
11 1,2,3,4,7,8-HxCDF	1.81e4	1.19	NO	0.8845	1.000	33.99	1.000	2.41	96.3	0.0665	2.41
12 1,2,3,6,7,8-HxCDF	2.16e4	1.25	NO	0.8892	1.000	34.12	1.000	2.50	100	0.0642	2.50
13 2,3,4,6,7,8-HxCDF	1.93e4	1.26	NO	0.9241	1.000	34.71	1.001	2.38	96.3	0.0702	2.38
14 1,2,3,7,8,9-HxCDF	1.48e4	1.12	NO	0.8707	1.000	35.61	1.000	2.42	96.9	0.102	2.42
15 1,2,3,4,6,7,8-HpCDF	1.40e4	0.94	NO	0.8734	1.000	37.40	1.001	2.48	99.1	0.0580	2.48
16 1,2,3,4,7,8,9-HpCDF	1.03e4	0.98	NO	1.0128	1.000	39.32	1.000	2.33	93.3	0.0630	2.33
17 OCDF	2.40e4	0.84	NO	0.8065	1.000	41.96	1.000	4.89	97.8	0.0756	4.89
18 13C-2,3,7,8-TCDD	1.29e6	0.79	NO	1.1563	1.000	26.54	1.025	89.3	89.8	0.0928	
19 13C-1,2,3,7,8-PeCDD	9.36e5	0.83	NO	0.8490	1.000	31.50	1.216	86.7	88.7	0.113	
20 13C-1,2,3,4,7,8-HxCDD	6.46e5	1.28	NO	0.7790	1.000	34.87	1.014	85.9	85.9	0.183	
21 13C-1,2,3,6,7,8-HxCDD	6.61e5	1.27	NO	1.0187	1.000	34.95	1.017	87.7	87.7	0.140	

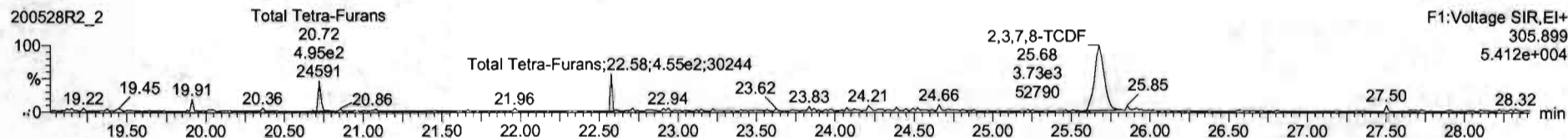
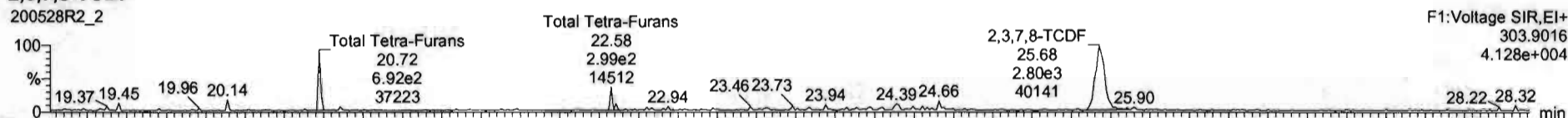


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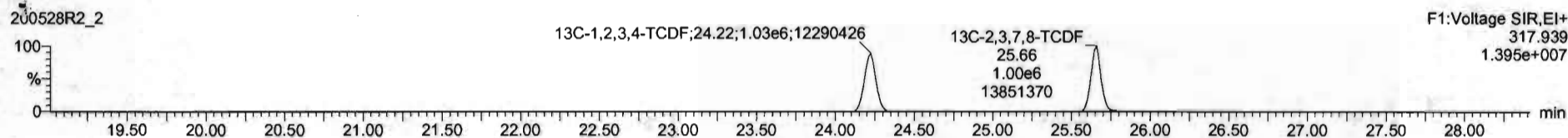
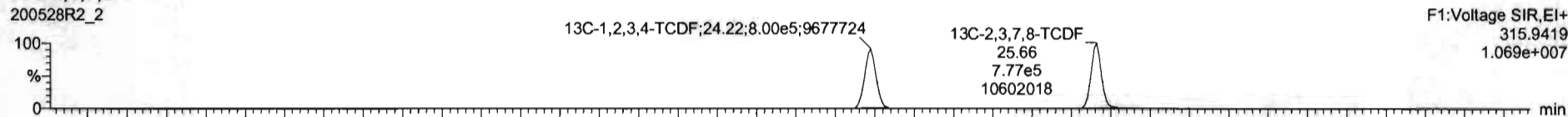
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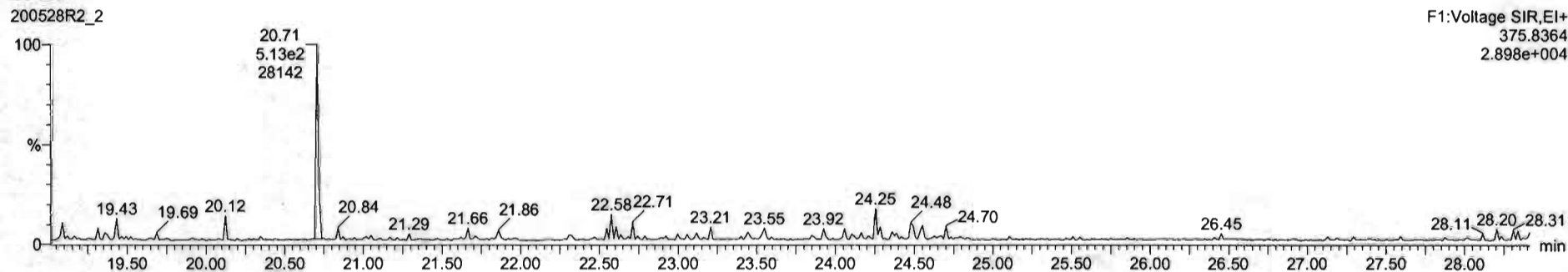
2,3,7,8-TCDF



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



DPE1



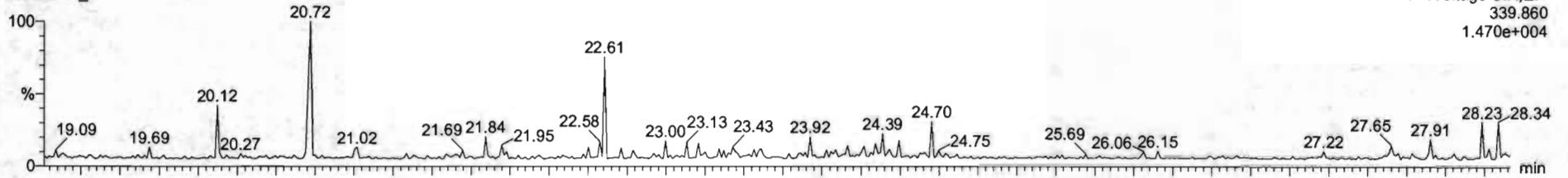
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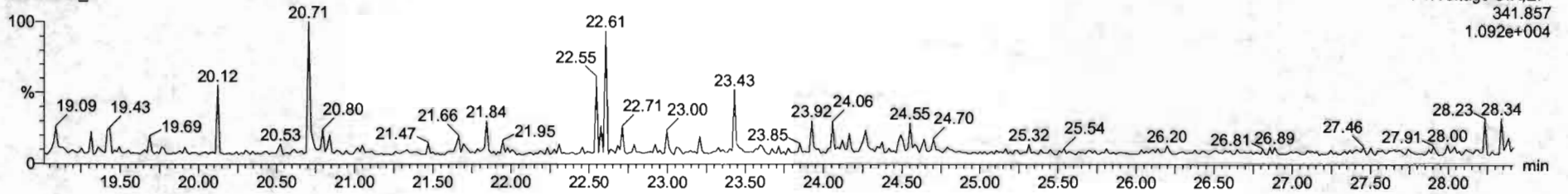
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1st Func. Penta-Furans

200528R2_2

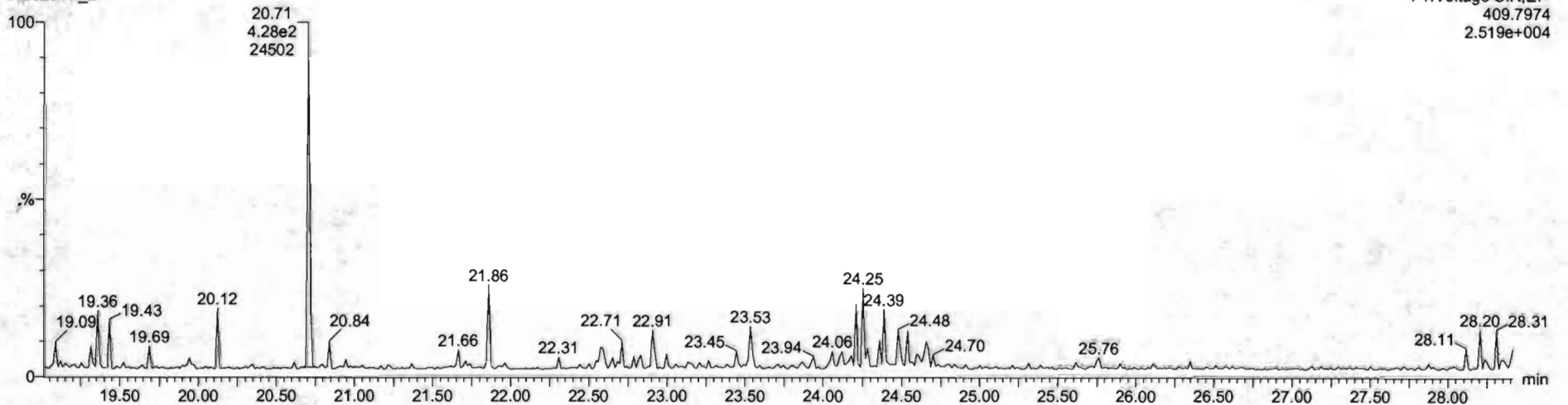


200528R2_2



DPE6

200528R2_2



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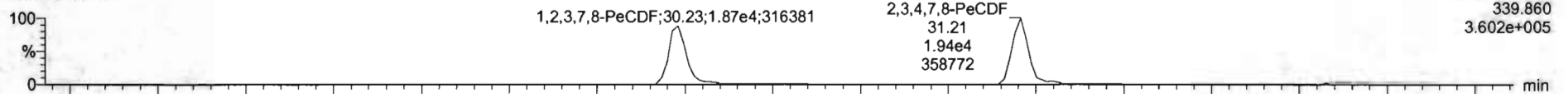
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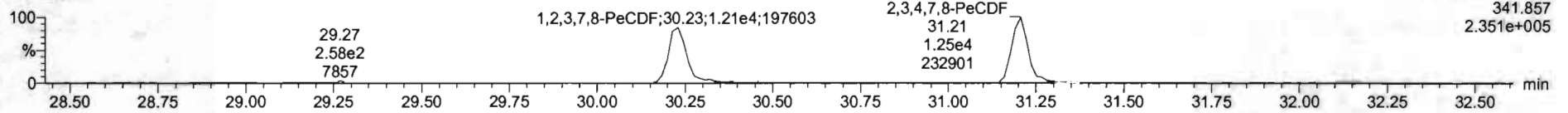
1,2,3,7,8-PeCDF

200528R2_2



F2:Voltage SIR,EI+
339.860
3.602e+005

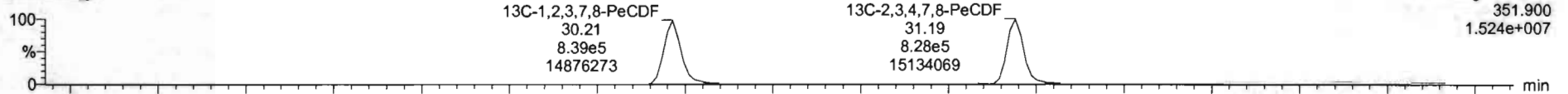
200528R2_2



F2:Voltage SIR,EI+
341.857
2.351e+005

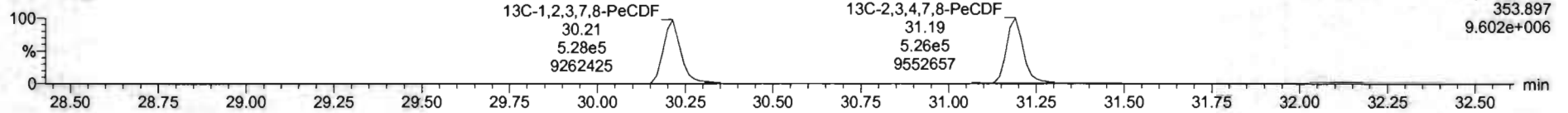
13C-1,2,3,7,8-PeCDF

200528R2_2



F2:Voltage SIR,EI+
351.900
1.524e+007

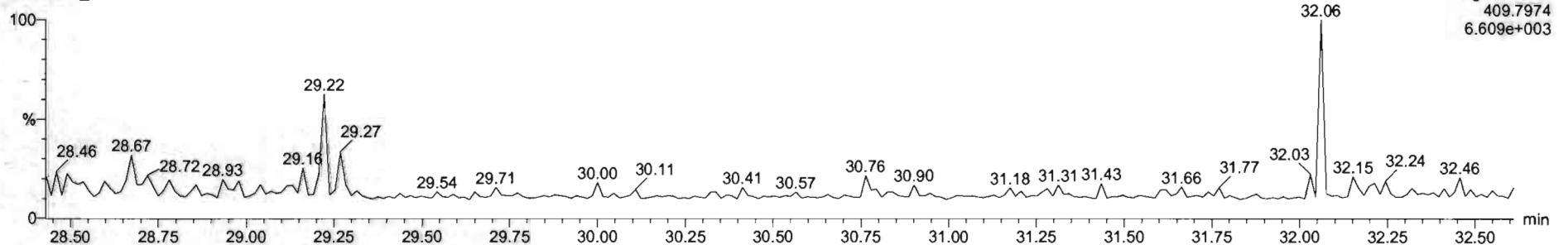
200528R2_2



F2:Voltage SIR,EI+
353.897
9.602e+006

DPE2

200528R2_2



F2:Voltage SIR,EI+
409.7974
6.609e+003

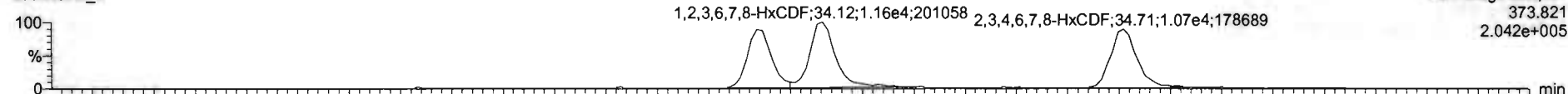
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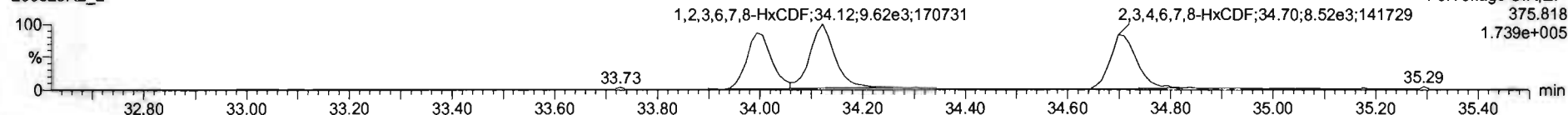
1,2,3,4,7,8-HxCDF

200528R2_2



F3:Voltage SIR,EI+
373.821
2.042e+005

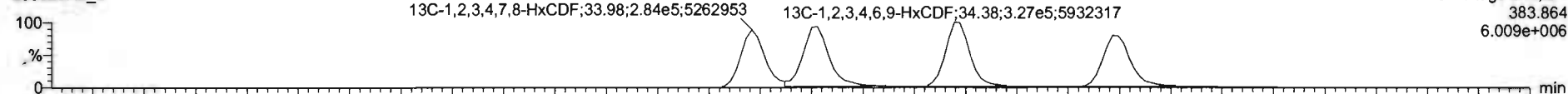
200528R2_2



F3:Voltage SIR,EI+
375.818
1.739e+005

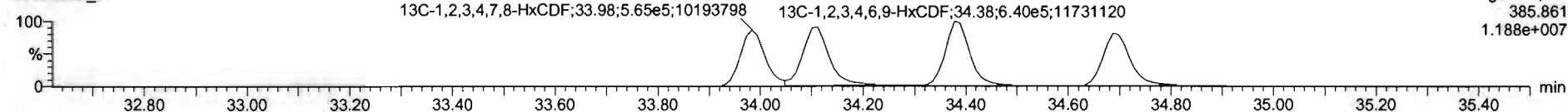
13C-1,2,3,4,7,8-HxCDF

200528R2_2



F3:Voltage SIR,EI+
383.864
6.009e+006

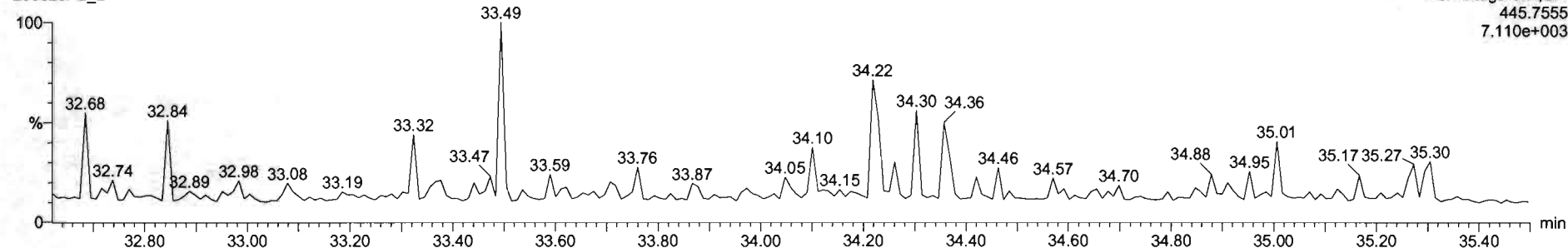
200528R2_2



F3:Voltage SIR,EI+
385.861
1.188e+007

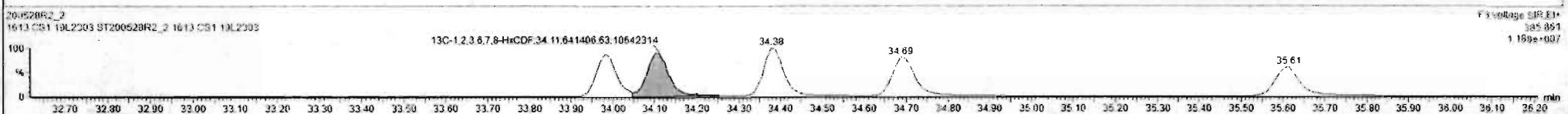
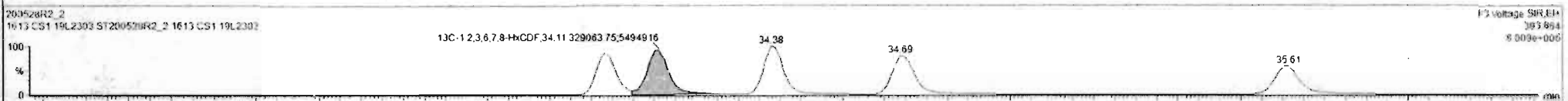
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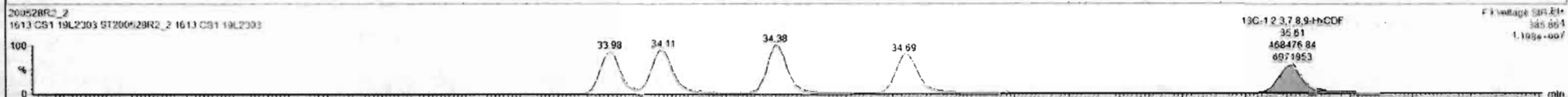
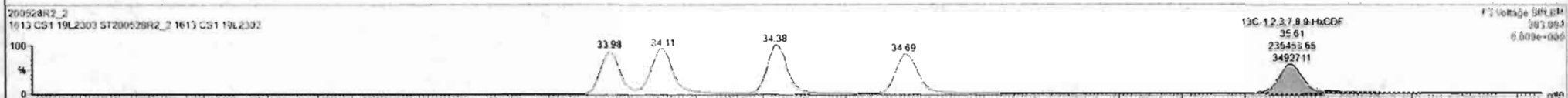


F3:Voltage SIR,EI+
445.7555
7.110e+003

#	Name	Resp	RA	nby	RRF	wtvol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.69e3	0.76	NO	0.8963	1.000	26.57	1.001	0.497	99.4	0.0473	0.497
2	1,2,3,7,8-PeCDD	2.12e4	0.64	NO	0.9051	1.000	31.51	1.000	2.50	99.9	0.0401	2.50
3	1,2,3,4,7,8-HxCDD	1.69e4	1.27	NO	1.0334	1.000	34.86	1.000	2.53	101	0.0774	2.53
4	1,2,3,6,7,8-HxCDD	1.90e4	1.25	NO	0.8979	1.000	34.99	1.001	2.47	98.5	0.0747	3.47
5	1,2,3,7,9-HxCDD	1.62e4	1.21	NO	0.8969	1.000	35.27	1.001	2.44	97.7	0.0676	2.44
6	1,2,3,4,6,7,8-HpCDD	1.21e4	1.05	NO	0.8939	1.000	36.51	1.001	2.33	93.3	0.0618	2.33
7	OCDD	2.39e4	0.83	NO	0.9136	1.000	41.77	1.000	4.97	99.4	0.149	4.97
8	2,3,7,8-TCDF	6.53e3	0.75	NO	0.7510	1.000	25.67	1.001	0.468	97.7	0.0620	0.468
9	1,2,3,7,8-PeCDF	3.08e4	1.55	NO	0.8925	1.000	30.23	1.000	2.52	101	0.0422	2.52
10	2,3,4,7,8-PeCDF	3.19e4	1.55	NO	0.9340	1.000	31.21	1.000	2.52	101	0.0395	2.52
11	1,2,3,4,7,8-HxCDF	1.81e4	1.19	NO	0.8545	1.000	33.99	1.000	2.41	96.3	0.0665	3.41
12	1,2,3,6,7,8-HxCDF	2.16e4	1.25	NO	0.6552	1.000	34.12	1.000	2.50	100	0.0542	2.50
13	2,3,4,6,7,8-HxCDF	1.93e4	1.26	NO	0.9341	1.000	34.71	1.001	2.38	95.3	0.0702	2.38
14	1,2,3,7,8,9-HxCDF	1.46e4	1.12	NO	0.8707	1.000	35.61	1.000	2.42	96.9	0.102	2.42
15	1,2,3,4,6,7,8-HpCDF	1.40e4	0.94	NO	0.8734	1.000	37.40	1.001	2.48	99.1	0.0580	2.48
16	1,2,3,4,7,8,9-HpCDF	1.03e4	0.98	NO	1.0128	1.000	39.33	1.000	2.33	93.3	0.0630	2.33
17	OCDF	2.40e4	0.84	NO	0.8085	1.000	41.96	1.000	4.89	97.8	0.0756	4.89
18	12C-2,3,7,8-TCDD	1.79e6	0.79	NO	1.1563	1.000	26.54	1.025	89.8	89.8	0.0928	
19	13C-1,2,3,7,8-PeCDD	9.36e5	0.63	NO	0.8490	1.000	31.50	1.216	68.7	68.7	0.113	
20	13C-1,2,3,4,7,8-HxCDD	6.46e5	1.28	NO	0.7750	1.000	34.87	1.014	85.9	85.9	0.183	
21	13C-1,2,3,6,7,8-HxCDD	6.61e5	1.27	NO	1.0187	1.000	34.96	1.017	87.7	87.7	0.140	



#	Name	Resp	RA	ntf	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.99e3	0.76	NO	0.8843	1.000	26.57	1.001	0.497	99.4	0.0473	0.497
2	1,2,3,7,8-PeCDD	2.12e4	0.84	NO	0.9051	1.000	31.51	1.000	2.50	99.3	0.0401	2.50
3	1,2,3,4,7,8-HxCDD	1.05e4	1.27	NO	1.0334	1.000	34.85	1.000	2.53	101	0.0774	2.53
4	1,2,3,6,7,8-HxCDD	1.90e4	1.25	NO	0.8973	1.000	34.99	1.001	2.47	98.5	0.0747	2.47
5	1,2,3,7,8,9-HxCDD	1.62e4	1.21	NO	0.8565	1.000	35.27	1.001	2.44	97.7	0.0676	2.44
6	1,2,3,4,6,7,8-HpCDD	1.21e4	1.05	NO	0.8638	1.000	36.81	1.001	2.33	93.3	0.0618	2.33
7	OCDD	2.39e4	0.83	NO	0.9126	1.000	41.77	1.000	4.97	99.4	0.149	4.97
8	2,3,7,8-TCDF	6.53e3	0.75	NO	0.7510	1.000	25.67	1.001	0.468	97.7	0.0620	0.468
9	1,2,3,7,8-PeCDF	3.05e4	1.55	NO	0.8925	1.000	30.23	1.000	2.52	101	0.0422	2.52
10	2,3,4,7,8-PeCDF	0.15e4	1.55	NO	0.9346	1.000	31.21	1.000	2.52	101	0.0395	2.52
11	1,2,3,4,7,8-HxCDF	1.81e4	1.19	NO	0.8845	1.000	33.99	1.000	2.41	96.3	0.0665	2.41
12	1,2,3,6,7,8-HxCDF	2.16e4	1.25	NO	0.8882	1.000	34.12	1.000	2.50	100	0.0642	2.50
13	2,3,4,6,7,8-HxCDF	1.93e4	1.26	NO	0.9341	1.000	34.71	1.001	2.36	96.3	0.0702	2.36
14	1,2,3,7,8,9-HxCDF	1.48e4	1.12	NO	0.8787	1.000	35.61	1.000	2.42	96.9	0.102	2.42
15	1,2,3,4,6,7,8-HpCDF	1.40e4	0.94	NO	0.8734	1.000	37.40	1.001	2.48	99.1	0.0580	2.48
16	1,2,3,4,7,8,9-HpCDF	1.03e4	0.98	NO	1.0128	1.000	39.33	1.000	2.33	93.3	0.0630	2.33
17	OCDF	2.40e4	0.84	NO	0.8565	1.000	41.96	1.000	4.89	97.8	0.0756	4.89
18	13C-2,3,7,8-TCDD	1.29e6	0.79	NO	1.1562	1.000	26.54	1.025	89.8	89.8	0.0528	
19	13C-1,2,3,7,8-PeCDD	9.36e5	0.63	NO	0.8490	1.000	31.50	1.216	88.7	88.7	0.113	
20	13C-1,2,3,4,7,8-HxCDD	6.46e5	1.28	NO	0.7750	1.000	34.87	1.014	85.9	85.9	0.183	
21	13C-1,2,3,6,7,8-HxCDD	6.61e5	1.27	NO	1.0157	1.000	34.96	1.017	87.7	87.7	0.140	



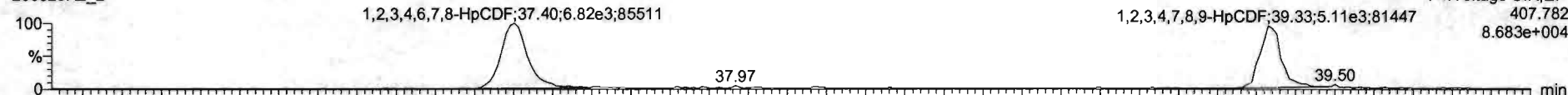
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

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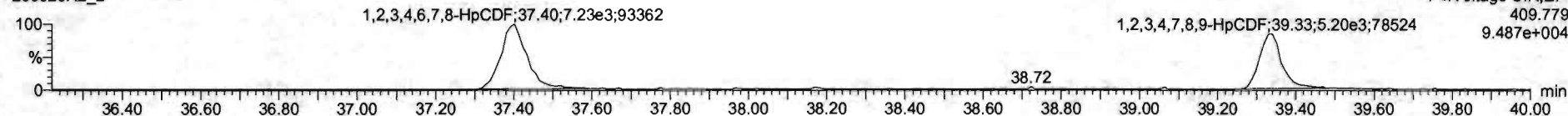
1,2,3,4,6,7,8-HpCDF

200528R2_2



F4:Voltage SIR,EI+
407.782
8.683e+004

200528R2_2



F4:Voltage SIR,EI+
409.779
9.487e+004

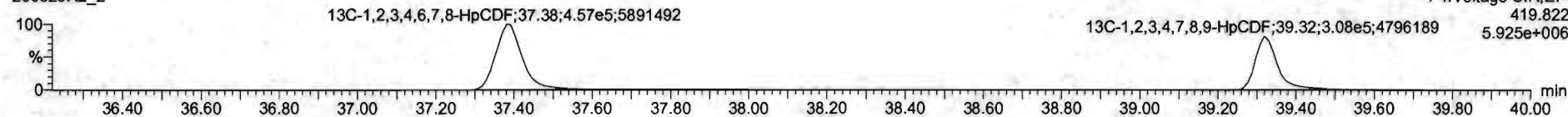
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200528R2_2



F4:Voltage SIR,EI+
417.825
2.595e+006

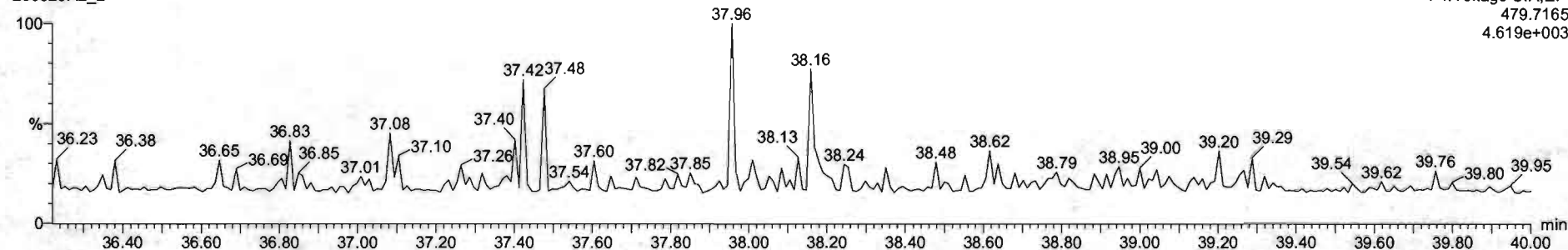
200528R2_2



F4:Voltage SIR,EI+
419.822
5.925e+006

DPE4

200528R2_2



F4:Voltage SIR,EI+
479.7165
4.619e+003

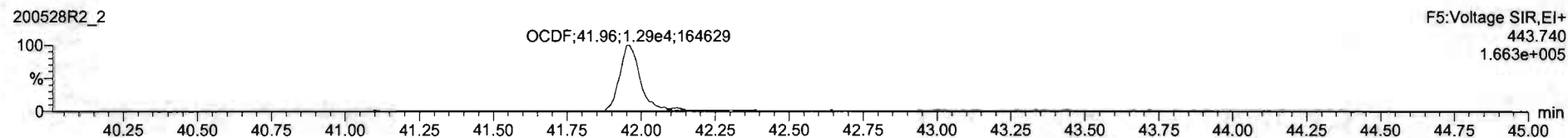
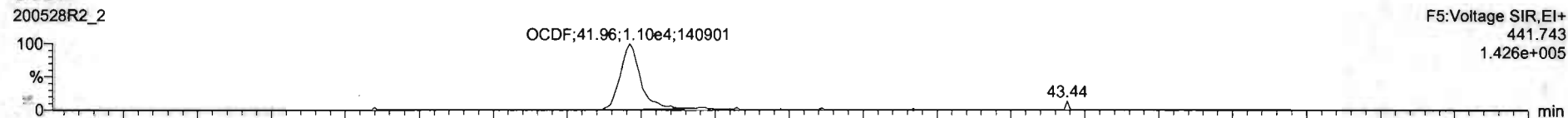
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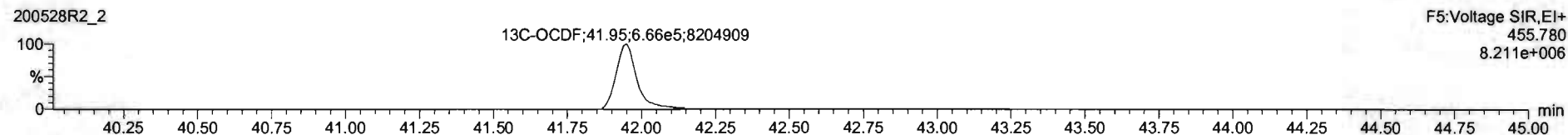
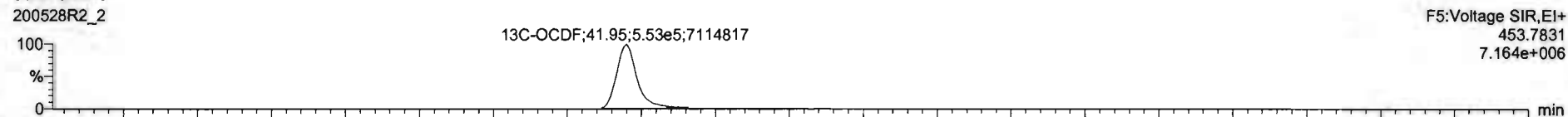
Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_2, Date: 28-May-2020, Time: 12:41:31, ID: ST200528R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

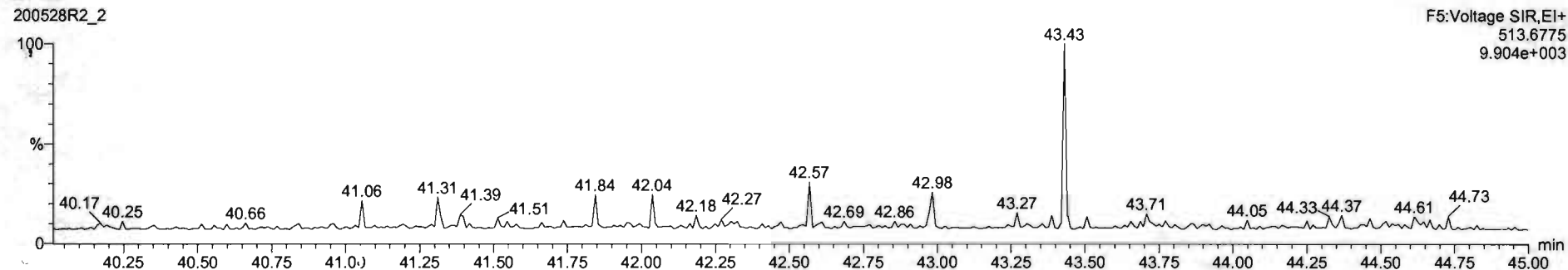
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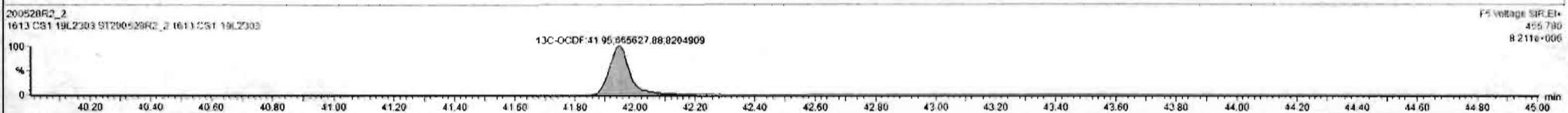
13C-OCDF



DPE5



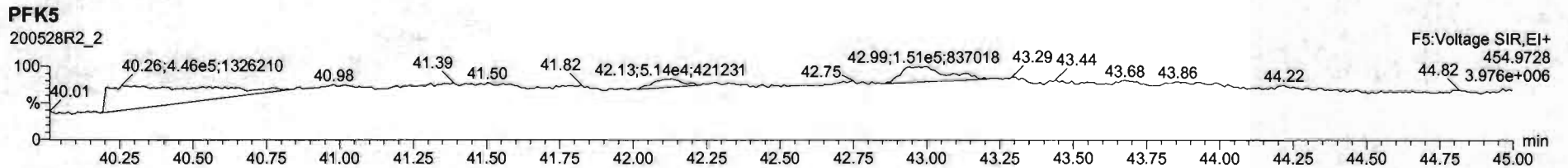
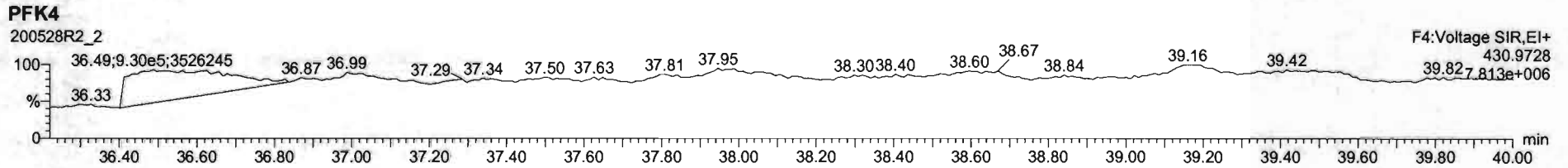
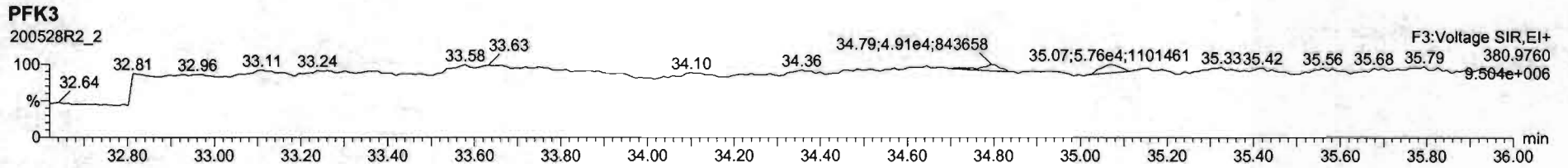
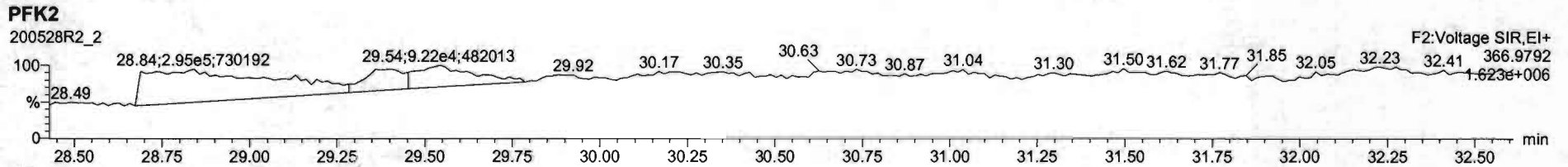
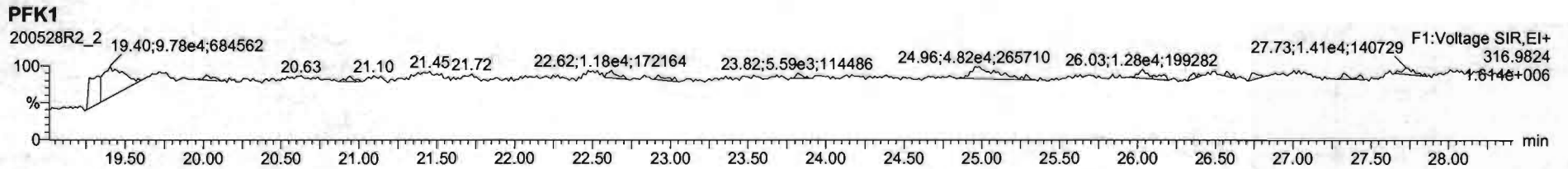
Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	5.69e3	0.78	NO	0.8883	1.000	26.57	1.001	0.497	99.4	0.0473	0.497
2 1,2,3,7,8-PeCDD	2.12e4	0.64	NO	0.9081	1.000	31.51	1.000	2.50	99.9	0.0401	2.50
3 1,2,3,4,7,8-HxCDD	1.85e4	1.27	NO	1.0334	1.000	24.85	1.000	2.53	101	0.0774	2.53
4 1,2,3,6,7,8-HxCDD	1.96e4	1.25	NO	0.8923	1.000	24.99	1.001	2.47	96.9	0.0747	2.47
5 1,2,3,7,8,9-HxCDD	1.62e4	1.21	NO	0.8869	1.000	35.27	1.001	2.44	97.7	0.0676	2.44
6 1,2,3,4,6,7,8-HpCDD	1.21e4	1.05	NO	0.8638	1.000	36.81	1.001	2.33	92.3	0.0613	2.33
7 OCDD	2.39e4	0.83	NO	0.9136	1.000	41.77	1.000	4.97	99.4	0.148	4.97
8 2,3,7,8-TCDF	6.53e3	0.75	NO	0.7510	1.000	25.67	1.001	0.488	97.7	0.0670	0.488
9 1,2,3,7,8-PeCDF	3.09e4	1.55	NO	0.8925	1.000	30.23	1.000	2.52	101	0.0422	2.52
10 2,3,4,7,8-PeCDF	3.19e4	1.55	NO	0.9348	1.000	31.21	1.000	2.52	101	0.0395	2.52
11 1,2,3,4,7,8-HxCDF	1.81e4	1.19	NO	0.8845	1.000	33.99	1.000	2.41	96.3	0.0665	2.41
12 1,2,3,6,7,8-HxCDF	2.16e4	1.25	NO	0.8892	1.000	34.12	1.000	2.50	100	0.0642	2.50
13 2,3,4,6,7,8-HxCDF	1.93e4	1.28	NO	0.9341	1.000	34.21	1.001	2.38	95.3	0.0702	2.38
14 1,2,3,7,8,9-HxCDF	1.42e4	1.12	NO	0.8707	1.000	35.61	1.000	2.42	96.9	0.102	2.42
15 1,2,3,4,6,7,8-HpCDF	1.40e4	0.94	NO	0.8734	1.000	37.40	1.001	2.48	99.1	0.0580	2.48
16 1,2,3,4,7,8,9-HpCDF	1.03e4	0.98	NO	1.0126	1.000	39.33	1.000	2.33	93.3	0.0630	2.33
17 OCDF	2.40e4	0.84	NO	0.8085	1.000	41.96	1.000	4.89	97.8	0.0756	4.89
18 13C-2,3,7,8-TCDD	1.29e0	0.79	NO	1.1563	1.000	26.54	1.025	39.3	89.8	0.0928	
19 13C-1,2,3,7,8-PeCDD	9.36e5	0.63	NO	0.8490	1.000	31.50	1.216	88.7	88.7	0.113	
20 13C-1,2,3,4,7,8-HxCDD	5.46e5	1.28	NO	0.7790	1.000	24.87	1.014	85.9	85.9	0.183	
21 13C-1,2,3,6,7,8-HxCDD	6.61e5	1.27	NO	1.0187	1.000	34.96	1.017	87.7	87.7	0.140	



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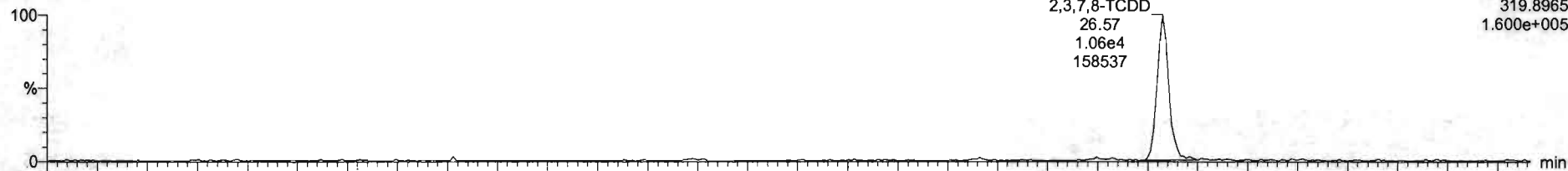
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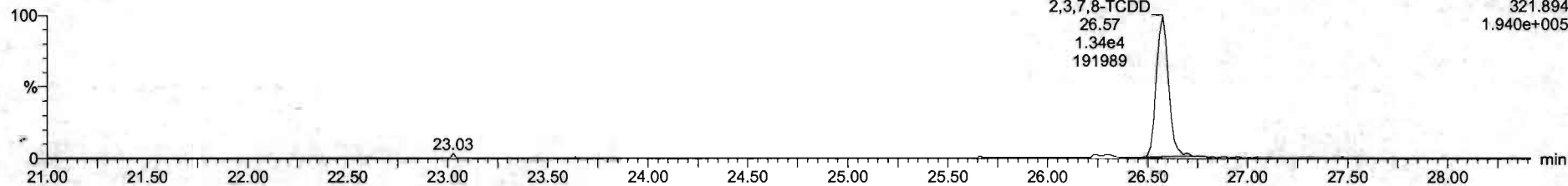
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2,3,7,8-TCDD

200528R2_3

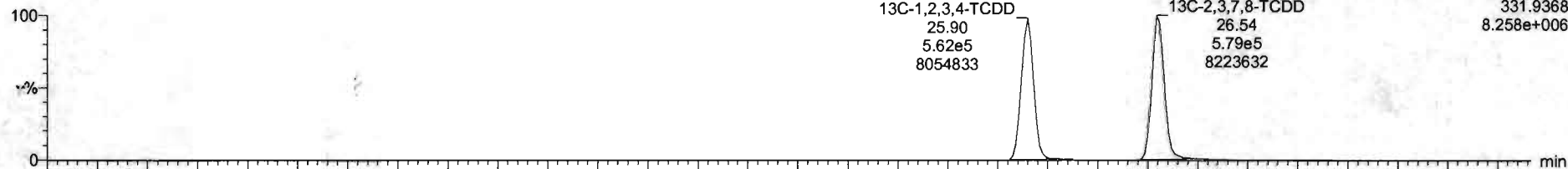


200528R2_3

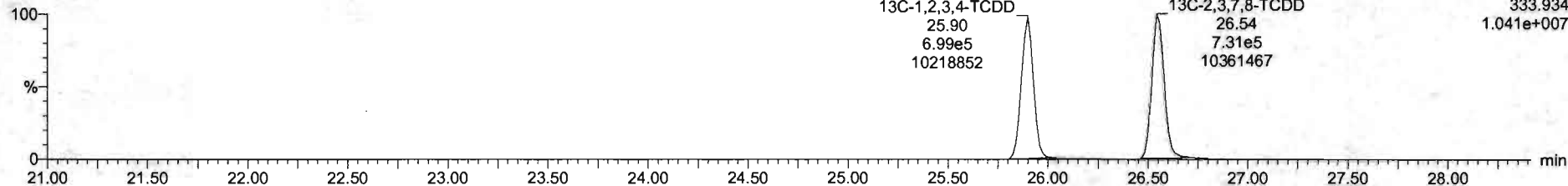


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200528R2_3



200528R2_3



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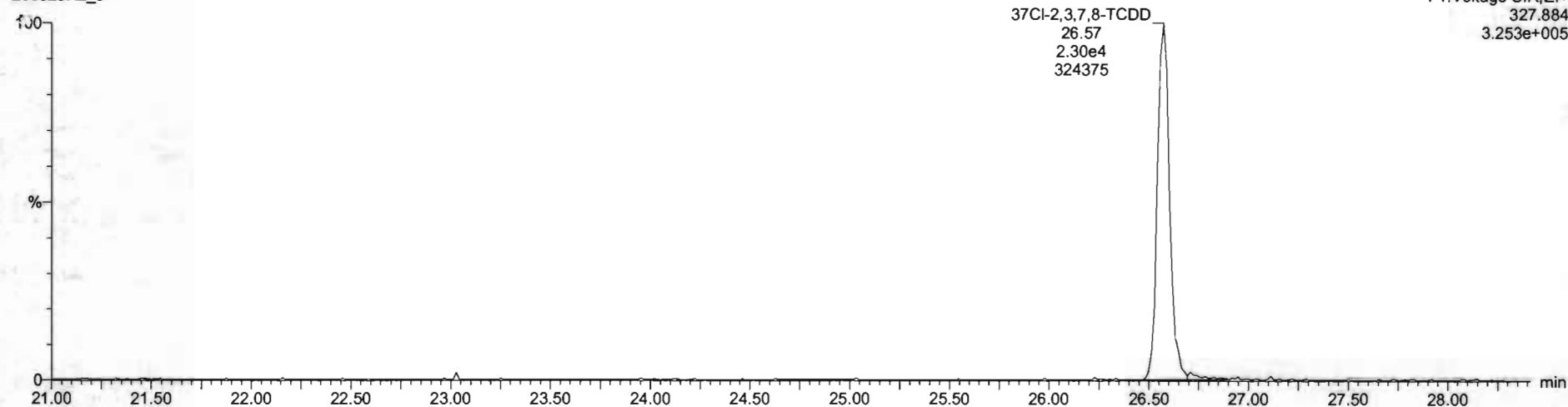
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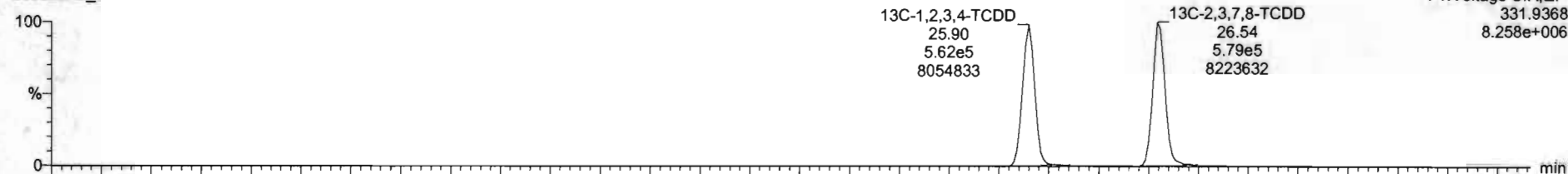
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200528R2_3

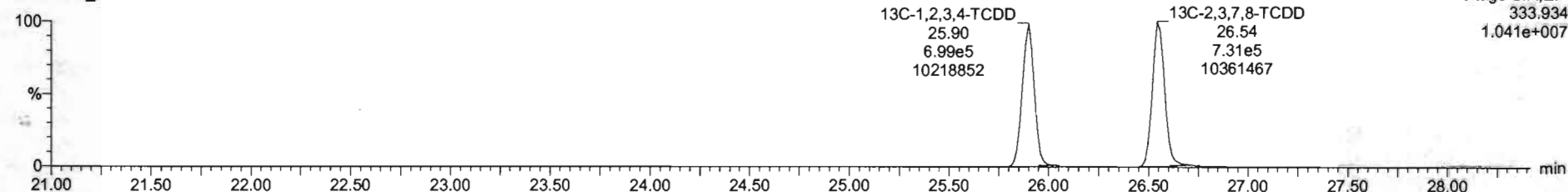


13C-1,2,3,4-TCDD

200528R2_3



200528R2_3



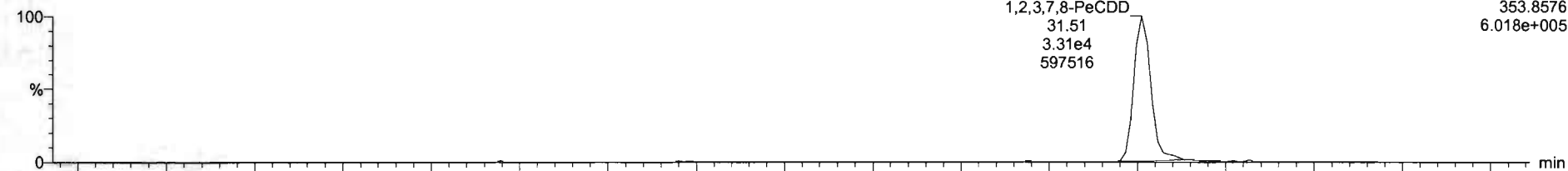
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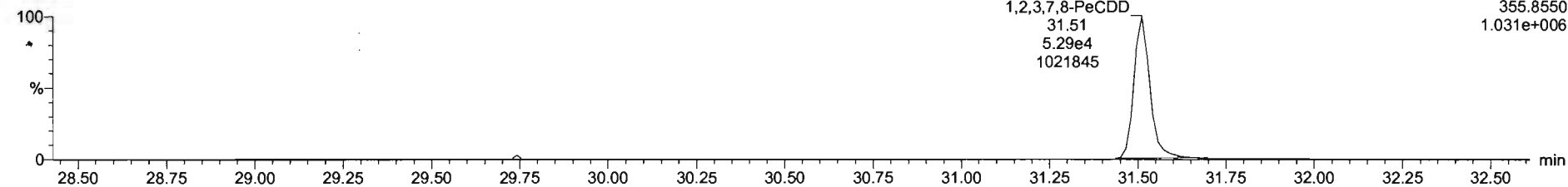
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1,2,3,7,8-PeCDD

200528R2_3

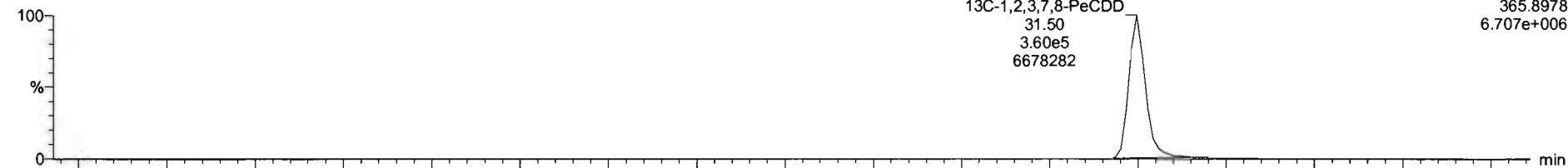


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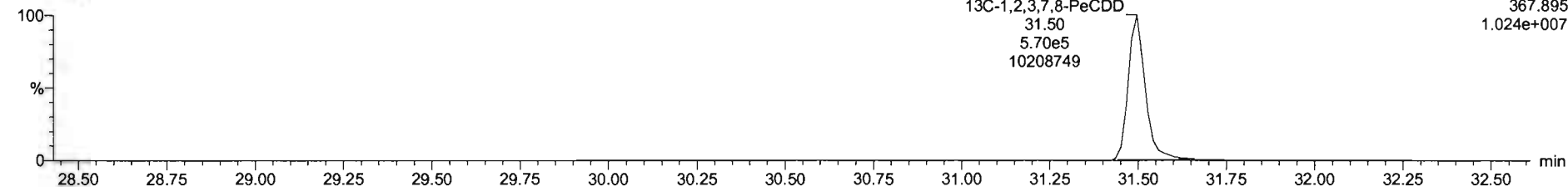


13C-1,2,3,7,8-PeCDD

200528R2_3



200528R2_3



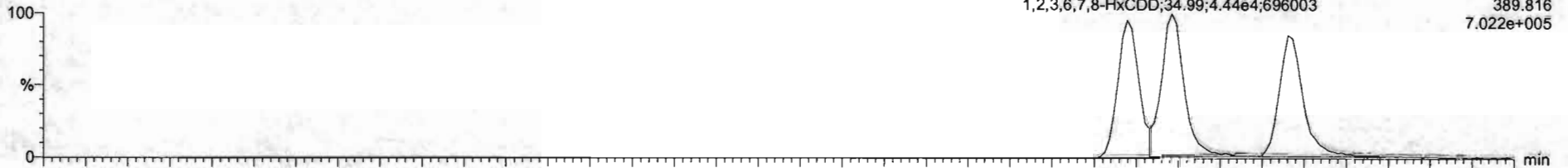
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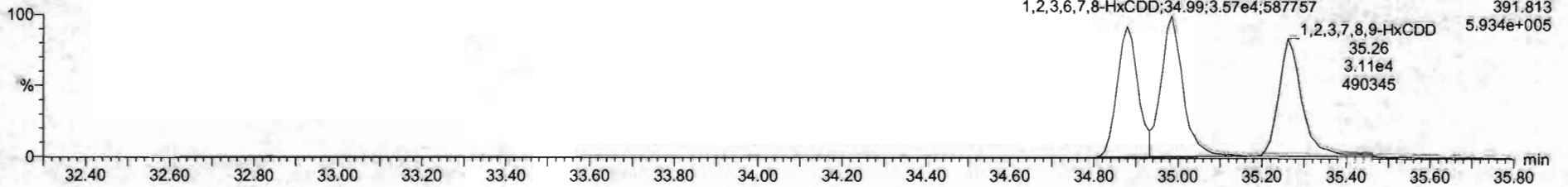
Name: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

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

200528R2_3

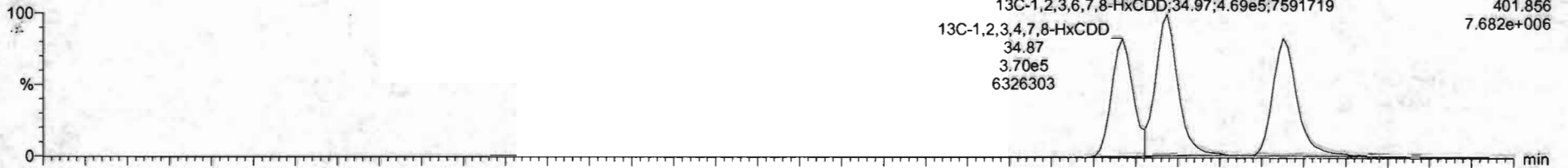


200528R2_3

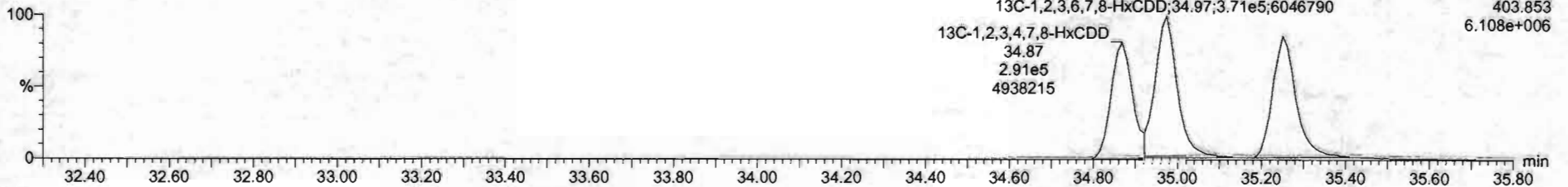


13C-1,2,3,4,7,8-HxCDD

200528R2_3



200528R2_3



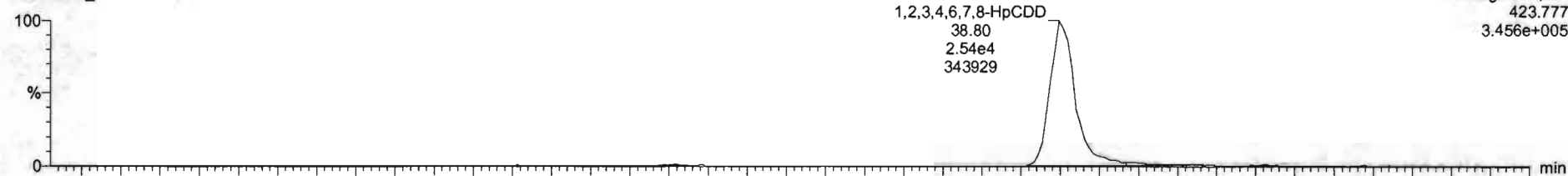
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

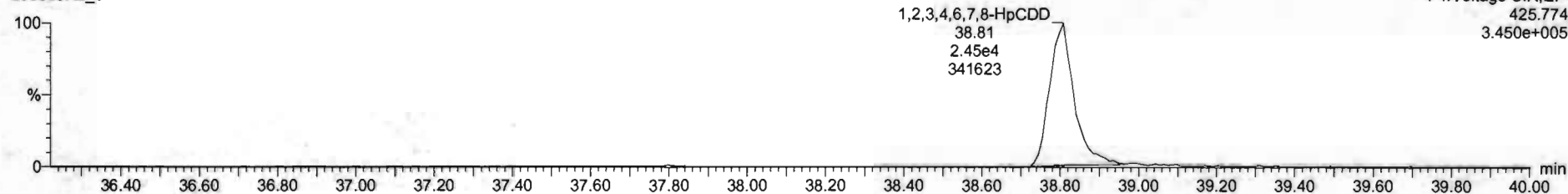
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1,2,3,4,6,7,8-HpCDD

200528R2_3

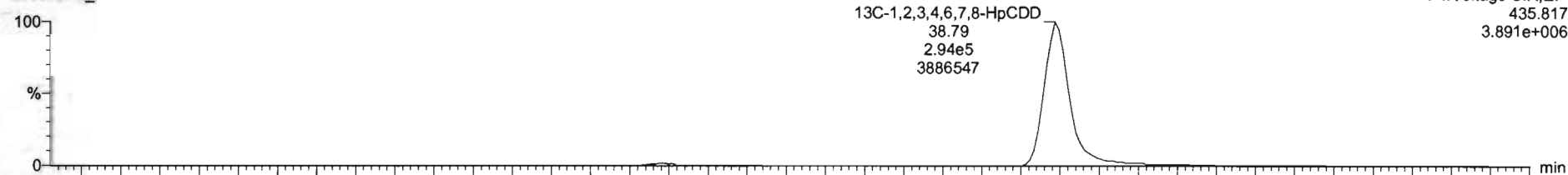


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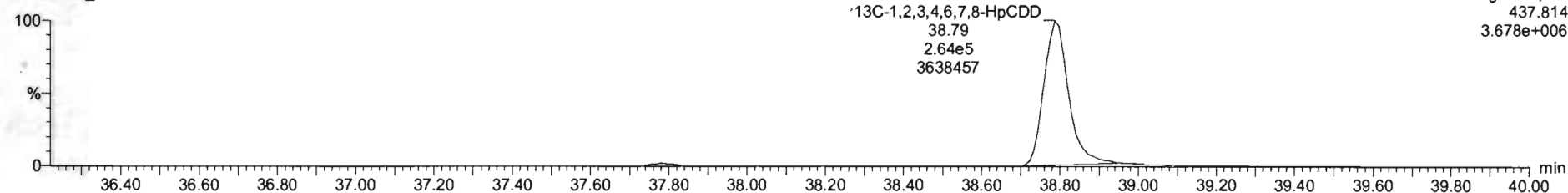


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200528R2_3



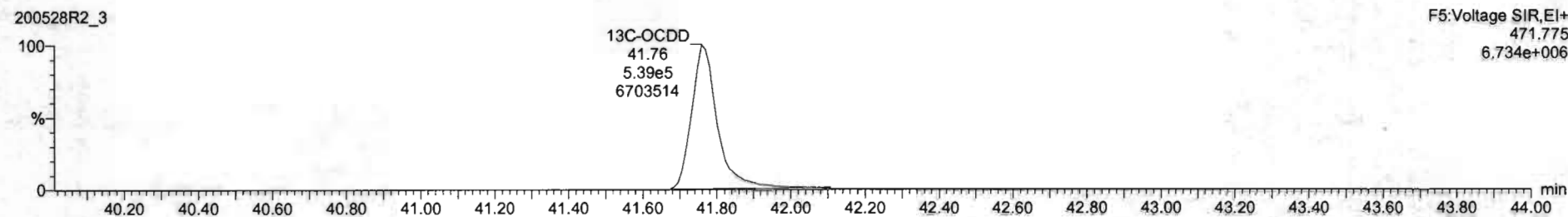
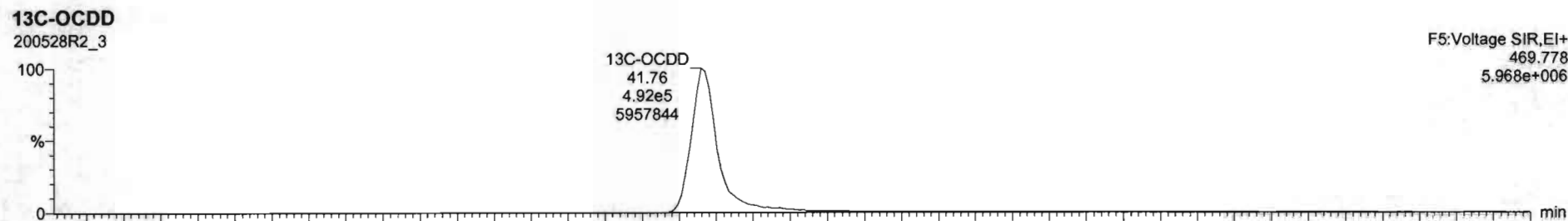
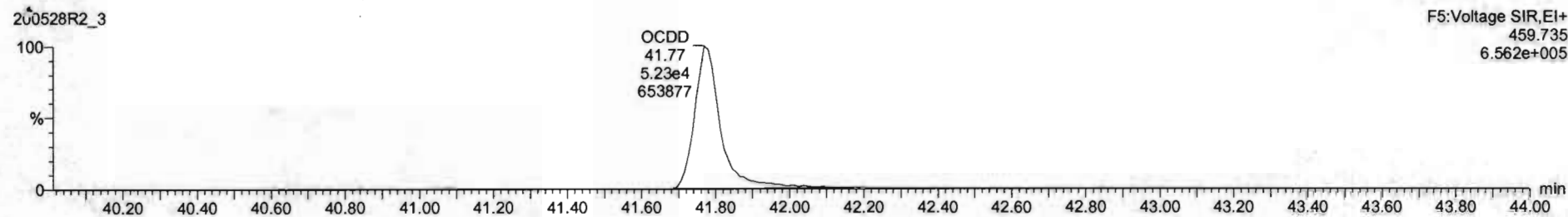
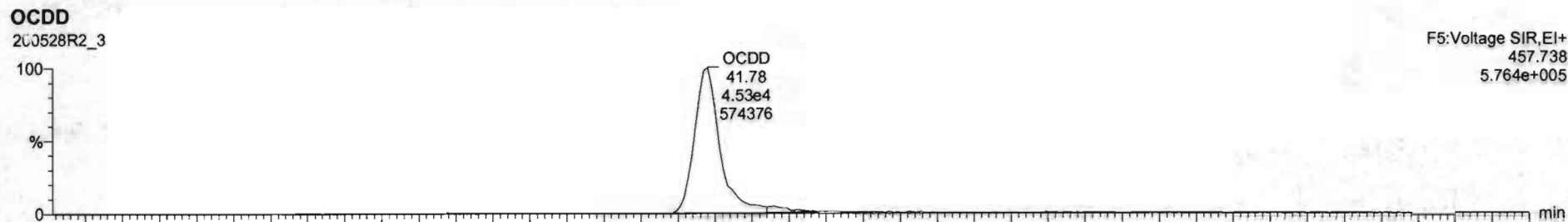
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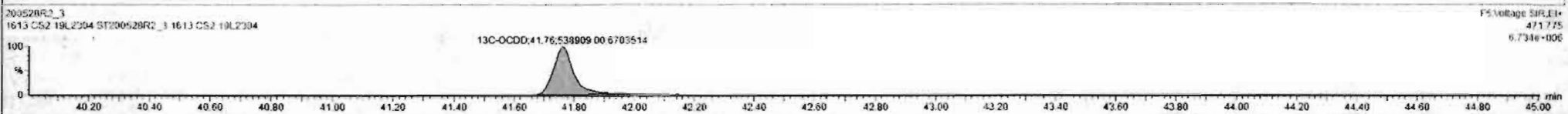
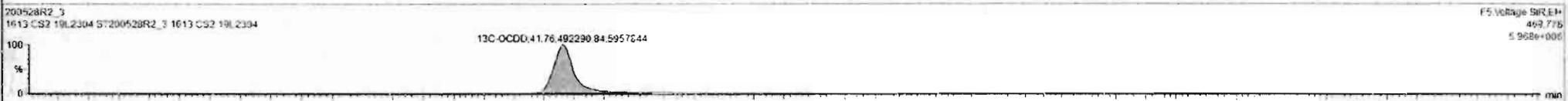
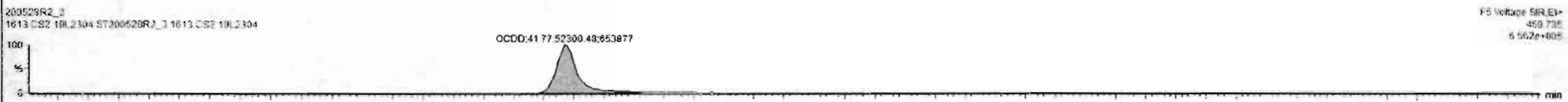
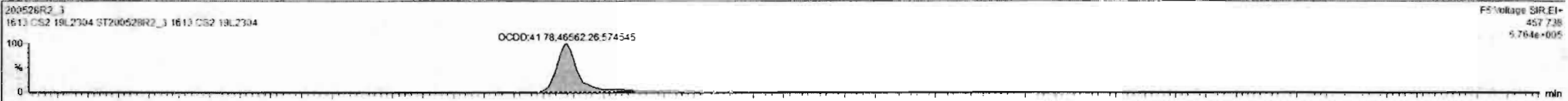
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Name: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304



Name	Resp	RA	n/y	RHF	w/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.40e4	0.30	NO	0.8983	1.000	26.57	1.001	2.05	103	0.0278	2.96
2 1,2,3,7,8-PeCDD	5.50e4	0.63	NO	0.9081	1.000	31.51	1.000	10.2	102	0.0400	10.2
3 1,2,3,4,7,8-HxCDD	6.94e4	1.24	NO	1.0324	1.000	34.88	1.000	10.2	102	0.0561	10.2
4 1,2,3,6,7,8-HxCDD	6.01e4	1.24	NO	0.8523	1.000	34.99	1.000	10.7	107	0.0559	10.7
5 1,2,3,7,8,9-HxCDD	7.01e4	1.26	NO	0.8265	1.000	35.26	1.000	10.5	105	0.0679	10.5
6 1,2,3,4,6,7,8-HpCDD	4.59e4	1.93	NO	0.8639	1.000	38.50	1.000	10.4	104	0.0797	10.4
7 OCDD	9.65e4	0.39	NO	0.9136	1.000	41.76	1.000	21.0	105	0.109	21.0
8 2,3,7,8-TCDF	2.67e4	0.74	NO	0.7510	1.000	26.88	1.001	1.97	96.6	0.0321	1.97
9 1,2,3,7,8-PeCDF	1.31e5	1.55	NO	0.8925	1.000	30.23	1.000	10.7	107	0.0517	10.7
10 2,3,4,7,8-PeCDF	1.34e5	1.55	NO	0.9346	1.000	31.21	1.000	10.4	104	0.0475	10.4
11 1,2,3,4,7,8-HxCDF	7.91e4	1.22	NO	0.8545	1.000	34.81	1.001	10.6	106	0.0661	10.6
12 1,2,3,6,7,8-HxCDF	5.20e4	1.28	NO	0.8892	1.000	34.12	1.000	10.3	103	0.0595	10.3
13 2,3,4,6,7,8-HxCDF	6.53e4	1.25	NO	0.9341	1.000	34.71	1.000	10.5	105	0.0860	10.5
14 1,2,3,7,8,9-HxCDF	6.49e4	1.24	NO	0.8707	1.000	35.62	1.000	10.3	103	0.0961	10.3
15 1,2,3,4,6,7,8-HpCDF	5.72e4	1.00	NO	0.6734	1.000	37.40	1.001	10.1	101	0.0828	10.1
16 1,2,3,4,7,8,9-HpCDF	4.43e4	1.91	NO	1.0128	1.000	39.34	1.000	10.4	104	0.0861	10.4
17 OCDF	3.85e4	0.66	NO	0.8085	1.000	41.96	1.000	20.6	103	0.0967	20.6
18 13C-2,3,7,8-TCDD	1.31e6	0.79	NO	1.1583	1.000	26.54	1.025	29.3	89.6	0.0659	
19 13C-1,2,3,7,8-PeCDD	9.29e5	0.63	NO	0.8450	1.000	31.50	1.216	86.8	86.8	0.123	
20 13C-1,2,3,4,7,8-HxCDD	6.61e5	1.27	NO	0.7790	1.000	34.87	1.014	87.0	87.0	0.189	
21 13C-1,2,3,6,7,8-HxCDD	6.39e5	1.26	NO	1.0167	1.000	34.97	1.017	84.7	84.7	0.145	



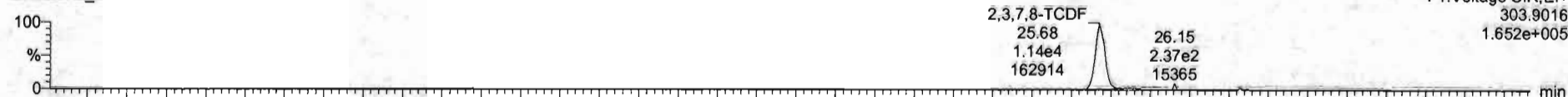
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

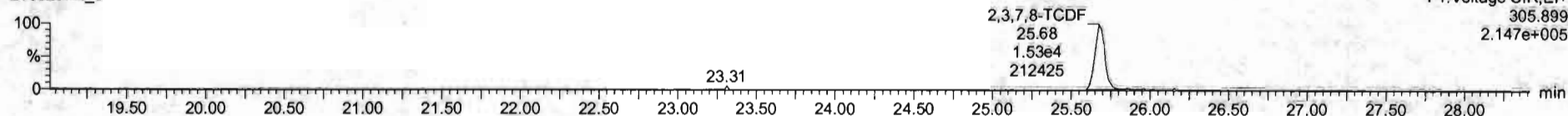
Name: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

2,3,7,8-TCDF

200528R2_3

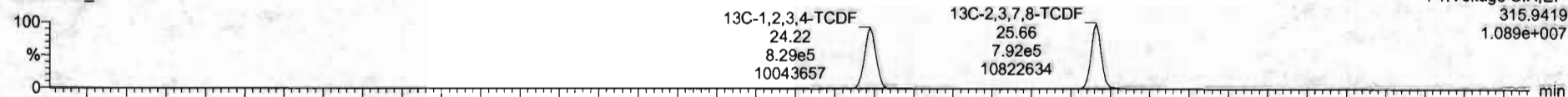


200528R2_3

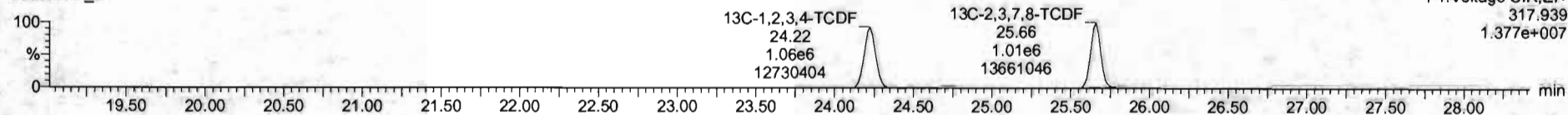


13C-2,3,7,8-TCDF

200528R2_3

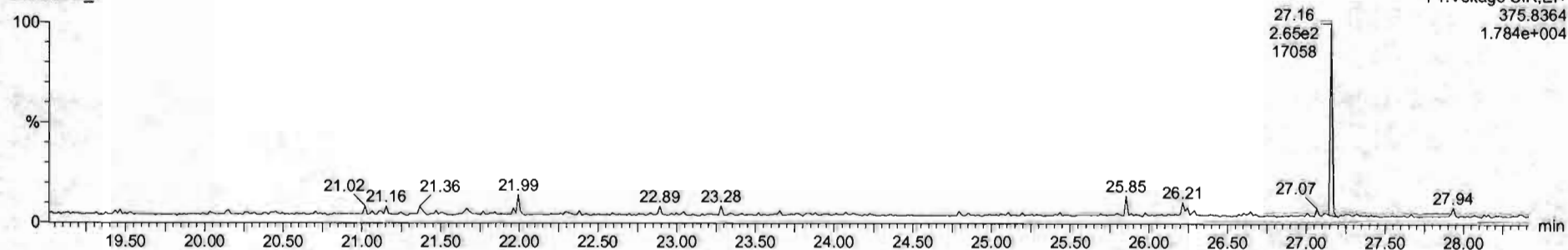


200528R2_3



DPE1

200528R2_3



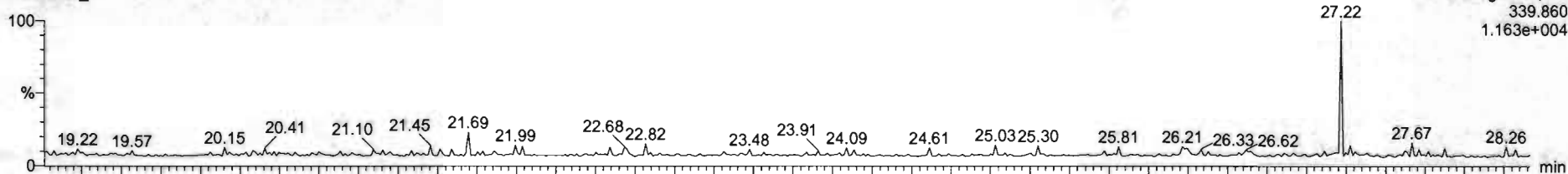
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

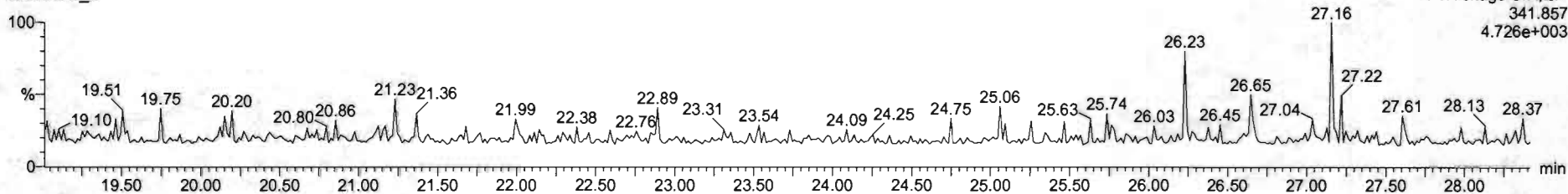
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1st Func. Penta-Furans

200528R2_3

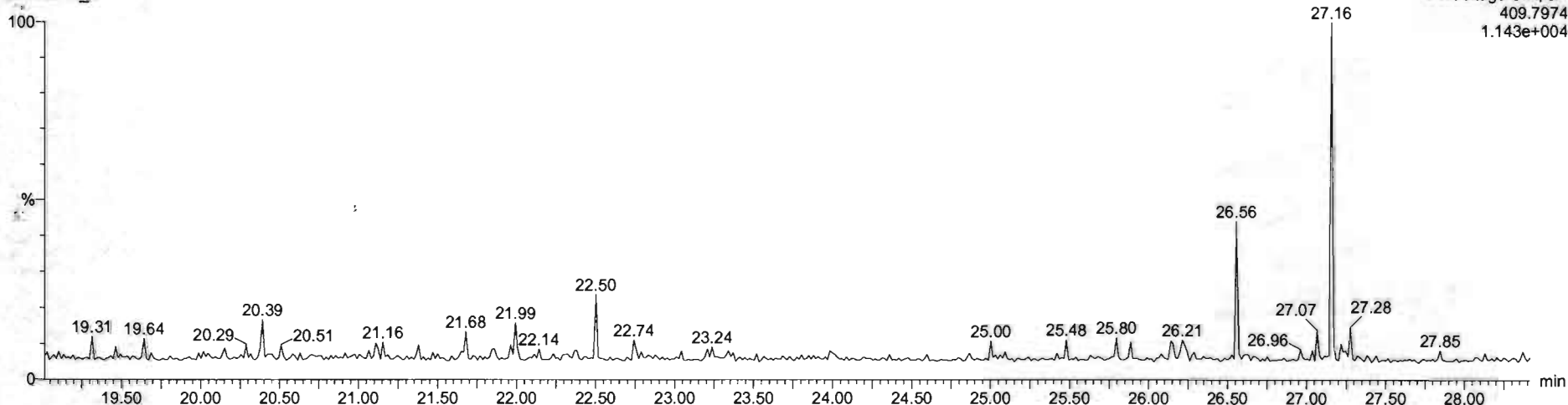


200528R2_3



DPE6

200528R2_3



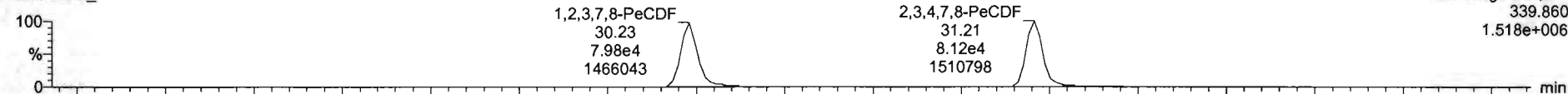
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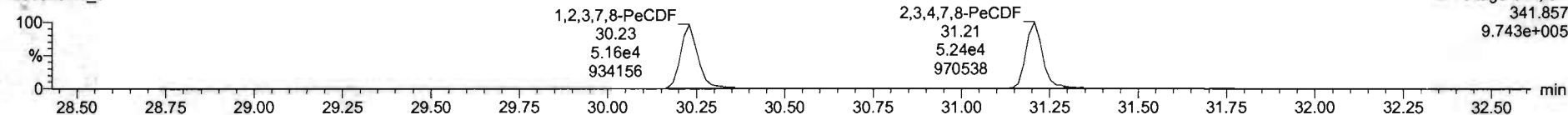
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1,2,3,7,8-PeCDF

200528R2_3

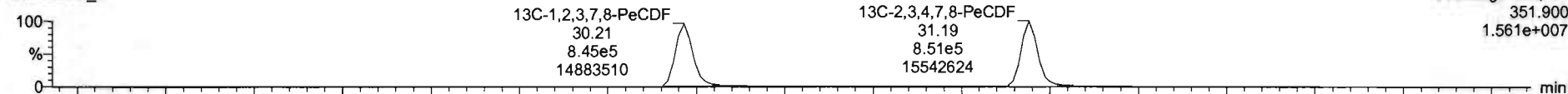


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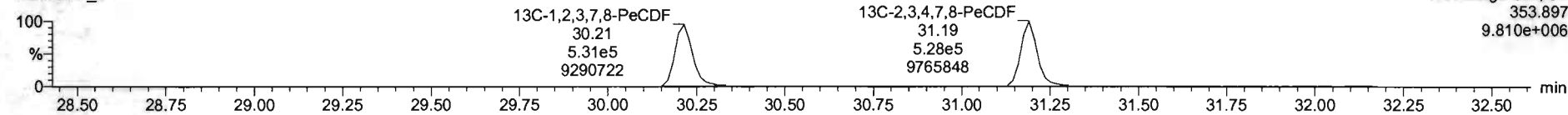


13C-1,2,3,7,8-PeCDF

200528R2_3

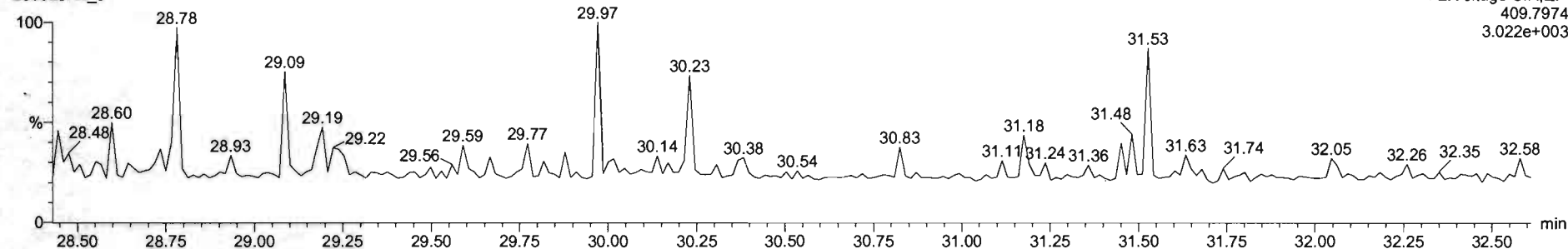


200528R2_3



DPE2

200528R2_3



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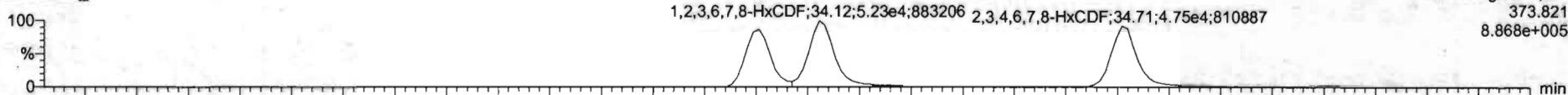
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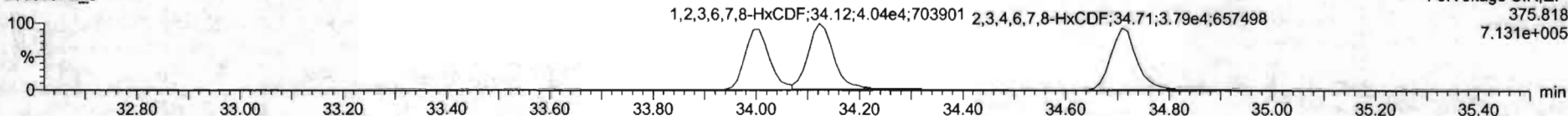
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200528R2_3

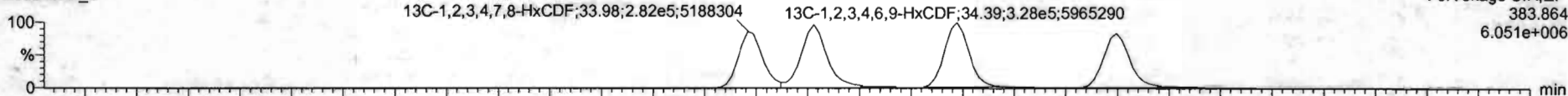


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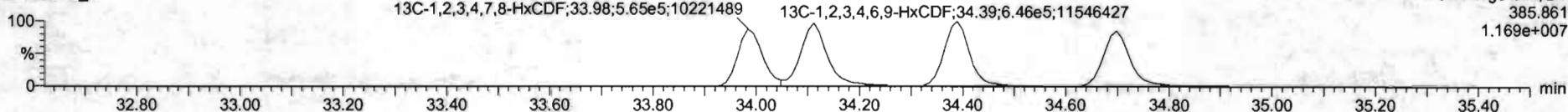


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200528R2_3

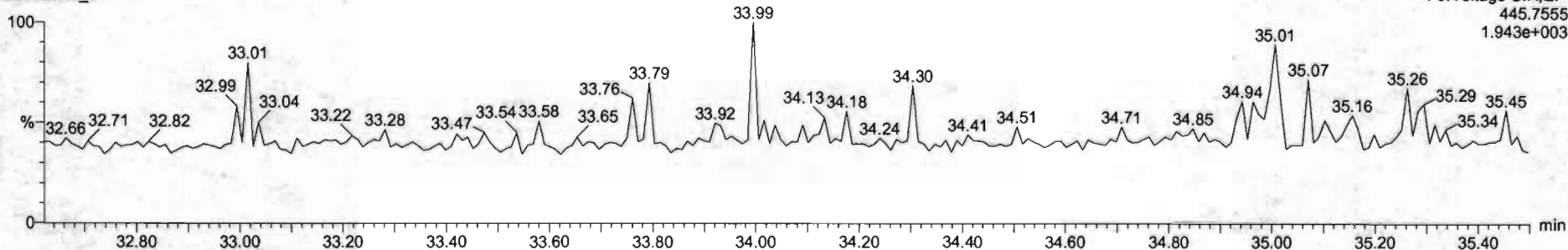


200528R2_3



DPE3

200528R2_3

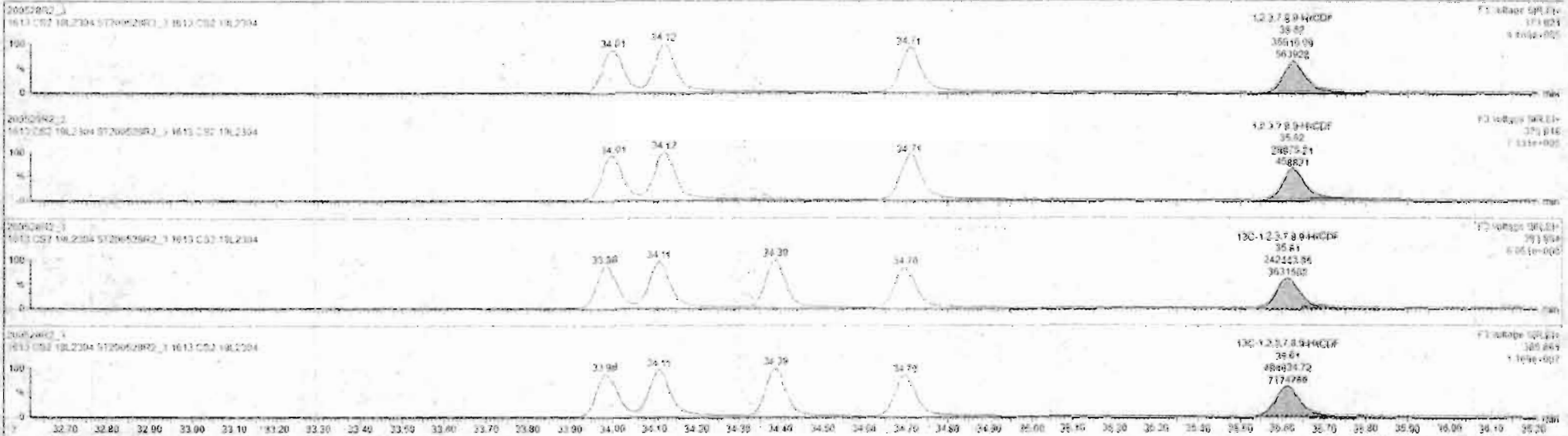


#	Name	Resp	Rk	ntf	RRF	weight	BT	NK1	Conc	%Rec	DR	EMPL
1	1,2,3,6,7-CDD	2.58e4	0.39	NO	0.8883	1.000	26.07	1.001	2.08	103	0.0070	2.08
2	1,2,3,7,8-PeCDD	5.58e4	0.43	NO	0.9051	1.000	31.51	1.000	10.2	102	0.0400	10.2
3	1,2,3,4,7,8-HxCDD	5.94e4	1.24	NO	1.0334	1.000	34.88	1.000	16.2	102	0.0531	16.2
4	1,2,3,6,7,8-HxCDD	6.01e4	1.24	NO	0.8923	1.000	34.95	1.000	16.7	102	0.0558	16.7
5	1,2,3,7,8,9-HxCDD	7.01e4	1.26	NO	0.9269	1.000	35.26	1.000	16.1	105	0.0670	16.1
6	1,2,3,4,7,8-HpCDD	4.99e4	1.02	NO	0.8839	1.000	35.80	1.000	16.4	104	0.0797	16.4
7	OCDD	9.89e4	0.39	NO	0.9136	1.000	41.75	1.000	21.0	105	0.1169	21.0
8	1,2,3,6,7-TCDF	2.87e4	0.74	NO	0.7510	1.000	35.60	1.001	1.91	98.8	0.0211	1.91
9	1,2,3,7,8-PeCDF	1.31e5	1.58	NO	0.8025	1.000	36.23	1.000	10.7	107	0.0217	10.7
10	1,2,3,4,7,8-HxCDF	1.34e5	1.55	NO	0.9346	1.000	31.21	1.000	10.4	104	0.0475	10.4
11	1,2,3,4,7,8-HpCDF	7.91e4	1.22	NO	0.8545	1.000	34.01	1.001	10.5	106	0.0611	10.4
12	1,2,3,6,7,8-HxCDF	9.26e4	1.28	NO	0.8852	1.000	34.12	1.000	11.3	103	0.0595	10.3
13	1,2,3,4,7,8-HpCDF	8.03e4	1.21	NO	0.9191	1.000	34.71	1.000	10.5	105	0.0693	10.5
14	1,2,3,7,8,9-HxCDF	6.49e4	1.24	NO	0.9707	1.000	35.62	1.000	10.3	102	0.0911	10.3
15	1,2,3,4,7,8-HpCDF	3.72e4	1.00	NO	0.8734	1.000	37.40	1.001	10.1	101	0.0828	10.1
16	1,2,3,4,7,8,9-HpCDF	4.43e4	1.01	NO	1.0128	1.000	39.34	1.000	10.4	104	0.0881	10.4
17	OCDF	5.58e4	0.36	NO	0.8055	1.000	41.90	1.000	26.3	103	0.0967	26.3
18	1,3C-1,2,3,7,8-TCDD	1.31e5	0.79	NO	1.1562	1.000	26.04	1.025	39.0	39.8	0.0819	
19	1,3C-1,2,3,7,8-PeCDF	9.26e4	0.63	NO	0.8499	1.000	31.50	1.216	98.0	98.1	0.123	
20	1,3C-1,2,3,4,7,8-HxCDD	6.61e5	1.27	NO	0.7750	1.000	24.97	1.014	37.0	37.3	0.149	
21	1,3C-1,2,3,6,7,8-HxCDD	6.19e5	1.38	NO	1.0167	1.000	24.97	1.017	64.7	64.7	0.146	





#	Name	Range	ISA	city	RFP	wtVol	RT	RRT	Conc	%Rec	DI	EMPC
1	1,2,3,7,8-HxCDD	2.48e4	0.30	NO	0.8853	1.000	26.17	1.001	3.98	101	0.0079	2.01
2	1,2,3,7,8-PeCDD	5.55e4	0.80	NO	0.9041	1.000	31.21	1.002	10.2	102	0.0430	10.2
3	1,2,3,4,7,8-HxCDD	5.94e4	1.24	NO	1.0374	1.000	34.00	1.000	10.2	102	0.0511	10.2
4	1,2,3,6,7,8-HxCDD	1.01e4	1.24	NO	0.8927	1.000	34.99	1.000	10.7	101	0.0549	10.7
5	1,2,3,7,8,9-HxCDD	7.51e4	1.25	NO	0.8905	1.000	35.20	1.000	10.5	101	0.0670	10.5
6	1,2,3,4,6,7,8-HpCDD	4.99e4	1.03	NO	0.8838	1.000	28.00	1.000	10.4	104	0.0197	10.4
7	CDD	3.89e4	0.89	NO	0.9130	1.000	41.75	1.000	21.0	105	3.100	21.0
8	1,2,3,7,8-HxCDF	2.87e4	0.74	NO	0.7510	1.000	26.09	1.001	1.97	98.6	0.0231	1.97
9	1,2,3,7,8-PeCDF	1.31e4	1.55	NO	0.9225	1.000	30.21	1.000	10.7	101	0.0517	10.7
10	1,2,3,4,7,8-HxCDF	1.38e4	1.55	NO	0.9245	1.000	31.21	1.000	10.5	104	0.0475	10.4
11	1,2,3,4,7,8-HpCDF	7.91e4	1.20	NO	0.8545	1.000	34.01	1.001	10.5	100	0.5083	10.5
12	1,2,3,6,7,8-HxCDF	4.26e4	1.25	NO	0.9092	1.000	34.12	1.000	10.2	103	0.0590	10.2
13	1,2,3,6,7,8-HpCDF	8.51e4	1.25	NO	0.9341	1.000	34.71	1.000	10.1	100	0.0600	10.1
14	1,2,3,7,8,9-HxCDF	6.49e4	1.24	NO	0.8787	1.000	35.81	1.000	10.3	102	0.0501	10.3
15	1,2,3,4,6,7,8-HpCDF	1.72e4	1.00	NO	0.8734	1.000	37.40	1.001	10.1	101	0.0820	10.1
16	1,2,3,4,7,8,9-HpCDF	4.43e4	1.01	NO	0.8128	1.000	30.38	1.000	10.4	104	0.0601	10.4
17	CDF	3.66e4	0.60	NO	0.8985	1.000	41.96	1.000	25.4	103	0.0363	25.4
18	1,2,3,4,6,7,8,9-HxCDF	1.31e4	0.79	NO	1.1560	1.000	26.54	1.025	19.0	89.5	0.0653	
19	1,2,3,6,7,8,9-HxCDF	9.29e4	0.83	NO	0.9420	1.000	31.08	1.216	68.0	66.8	0.123	
20	1,2,3,4,7,8,9-HpCDD	2.61e4	1.27	NO	0.7798	1.000	34.07	1.034	57.0	87.0	0.189	
21	1,2,3,4,6,7,8,9-HxCDD	6.20e4	1.26	NO	1.0187	1.000	24.97	1.017	34.7	34.7	0.145	



Custom Reporting: Select reports to generate

20052892_3 CAP NLSM

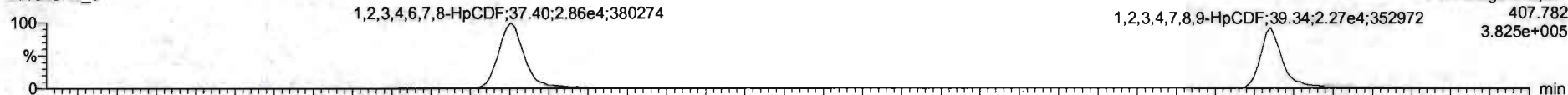
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Last Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time
Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

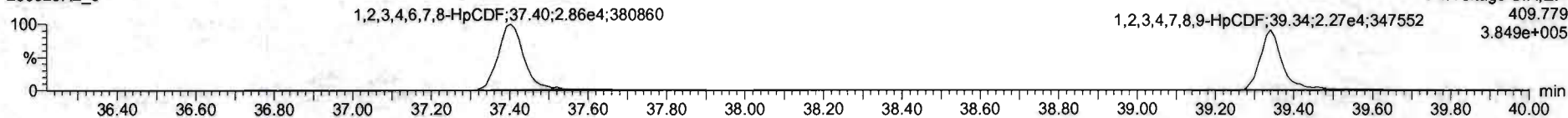
Name: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

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

200528R2_3



200528R2_3

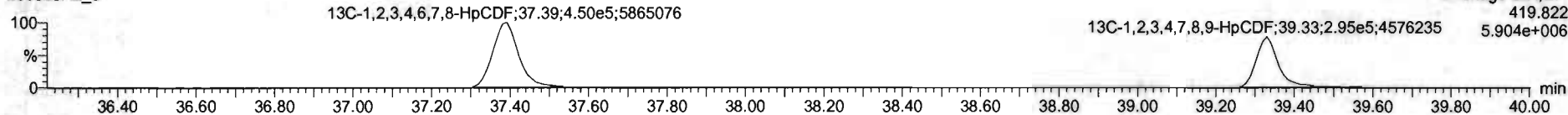


13C-1,2,3,4,6,7,8-HpCDF

200528R2_3

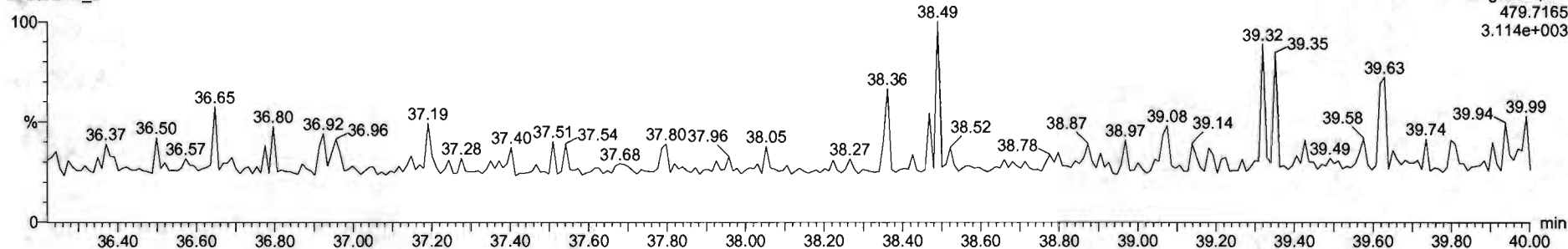


200528R2_3



DPE4

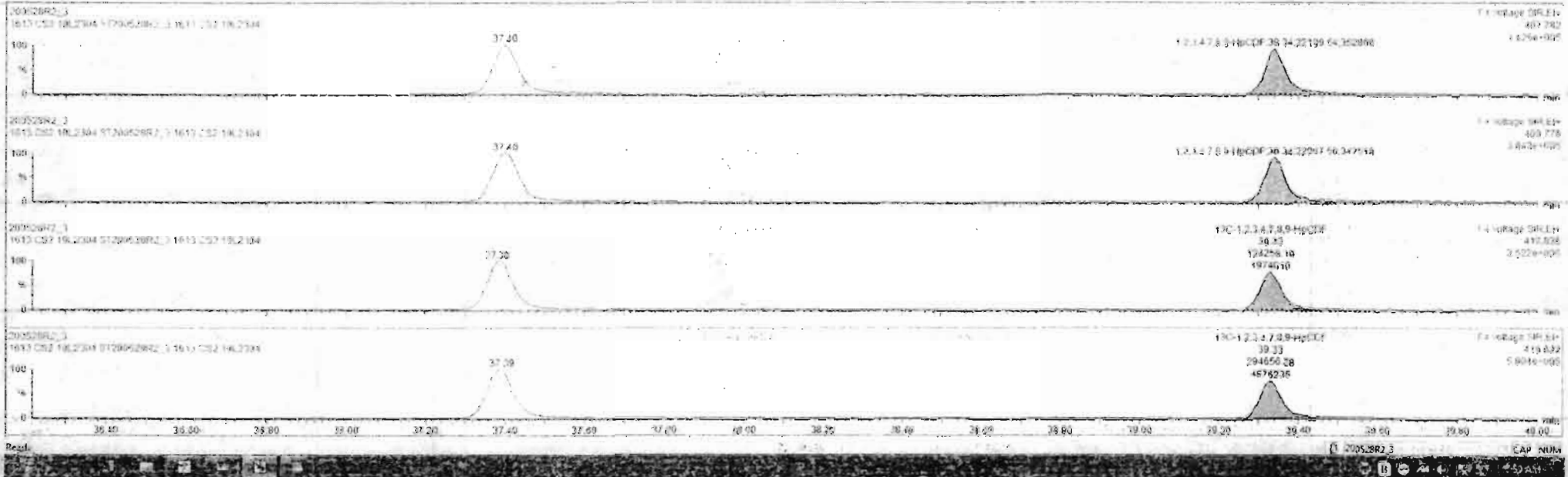
200528R2_3





1613 CS2 19.2304

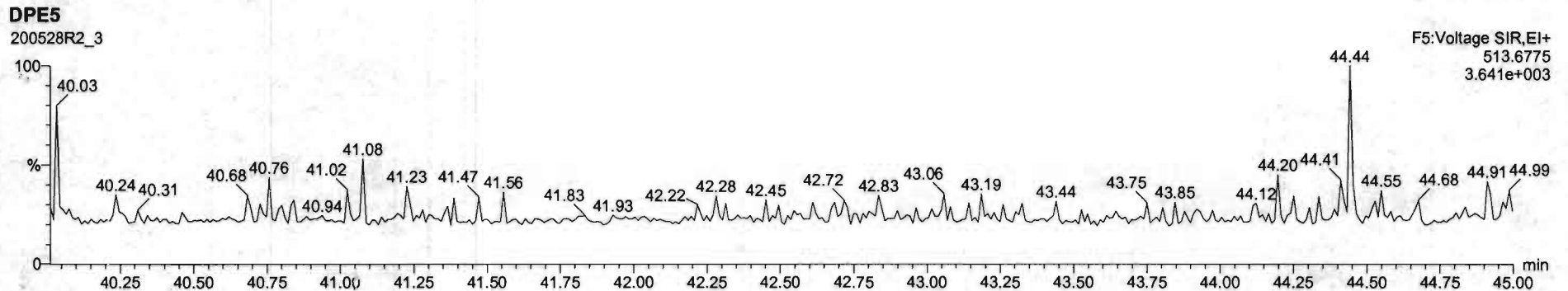
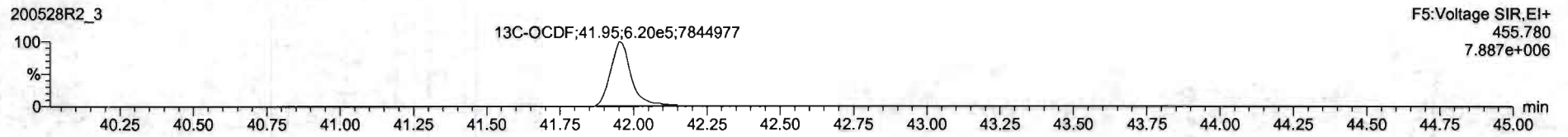
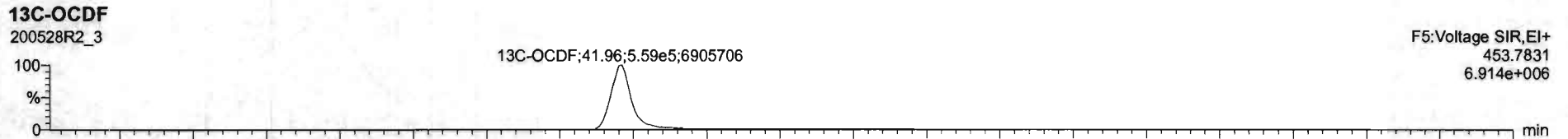
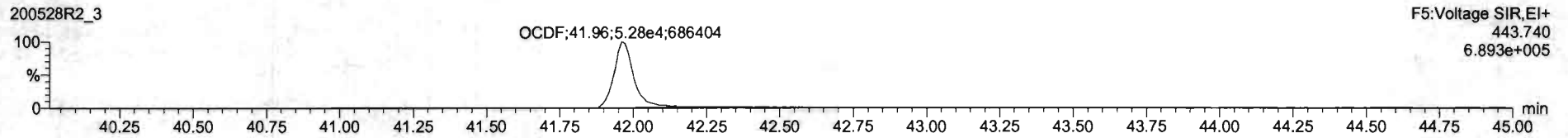
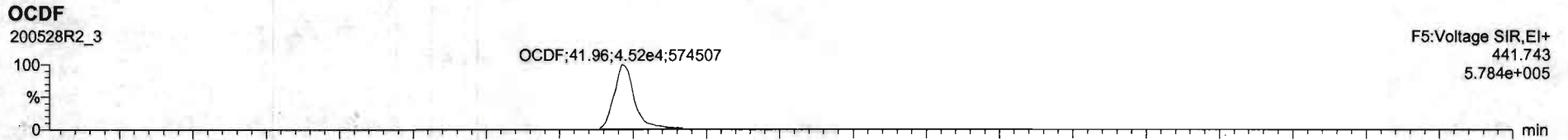
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1	1,2,3,6-TCDF	2.48e4	0.00	NO	0.8803	1.00	26.07	1.00	2.00	107	0.0276	2.30
2	1,2,3,7,8-PeCDF	1.50e4	0.03	NO	0.9091	1.00	31.01	1.00	10.0	107	0.0400	10.2
3	1,2,3,4,7,8-HxCDF	8.90e3	1.24	NO	1.0334	1.00	34.05	1.00	10.0	107	0.0501	10.2
4	1,2,3,6,7,8-HxCDF	6.01e3	1.04	NO	0.8623	1.00	34.36	1.00	10.0	107	0.0559	10.2
5	1,2,3,7,8-HxCDF	2.11e4	1.26	NO	0.8809	1.00	35.26	1.00	10.0	107	0.0579	10.3
6	1,2,3,4,6,7,8-HpCDF	1.90e4	1.02	NO	0.8639	1.00	35.90	1.00	10.0	104	0.0792	10.4
7	OCDF	0.59e4	0.09	NO	0.9126	1.00	41.75	1.00	21.0	105	0.109	21.0
8	1,2,3,6,7,8-HxCDF	2.72e4	0.24	NO	0.7510	1.00	25.00	1.00	1.97	96.8	0.0101	1.97
9	1,2,3,7,8-HxCDF	1.15e4	1.90	NO	0.6902	1.00	30.23	1.00	10.0	107	0.0517	10.0
10	1,2,3,4,7,8-HxCDF	1.10e4	1.05	NO	0.9140	1.00	31.41	1.00	10.4	104	0.0475	10.4
11	1,2,3,4,7,8-HxCDF	2.91e3	1.02	NO	0.6940	1.00	34.05	1.00	10.0	106	0.0651	10.0
12	1,2,3,6,7,8-HxCDF	1.20e4	1.08	NO	0.9042	1.00	34.12	1.00	10.0	103	0.0595	10.0
13	1,2,3,4,7,8-HxCDF	6.50e4	1.05	NO	0.9341	1.00	34.21	1.00	10.0	105	0.0690	10.0
14	1,2,3,7,8-HxCDF	6.40e3	1.24	NO	0.6707	1.00	31.92	1.00	10.0	103	0.0601	10.0
15	1,2,3,4,6,7,8-HpCDF	1.72e4	1.00	NO	0.9234	1.00	37.40	1.00	10.1	101	0.0626	10.1
16	1,2,3,4,7,8,9-HpCDF	4.43e4	1.03	NO	1.0120	1.00	39.34	1.00	10.4	104	0.0681	10.4
17	OCDF	9.80e3	0.90	NO	0.9065	1.00	41.30	1.00	26.6	103	0.0847	26.6
18	1,2,3,4,6,7,8-HpCDF	1.31e4	0.76	NO	1.1503	1.00	26.34	1.00	50.0	39.5	0.0850	50.0
19	1,2,3,4,7,8,9-HpCDF	9.30e3	0.03	NO	0.9450	1.00	35.10	1.00	20.0	80.0	0.123	20.0
20	1,2,3,4,7,8,9-HpCDF	8.61e3	1.27	NO	0.7790	1.00	34.87	1.00	67.0	87.0	0.109	67.0
21	1,2,3,4,6,7,8-HpCDF	6.30e3	1.20	NO	1.0107	1.00	34.07	1.01	34.7	34.7	0.140	34.7



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Last Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time
Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

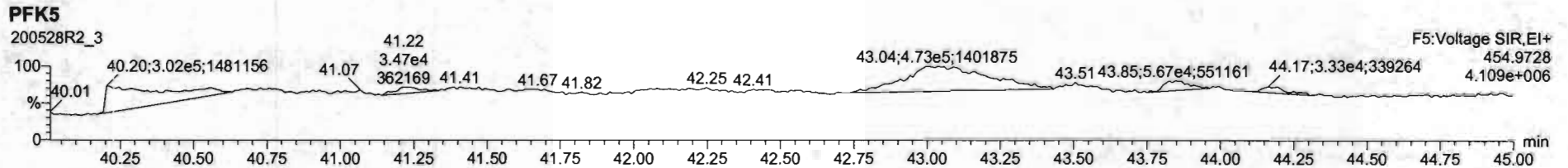
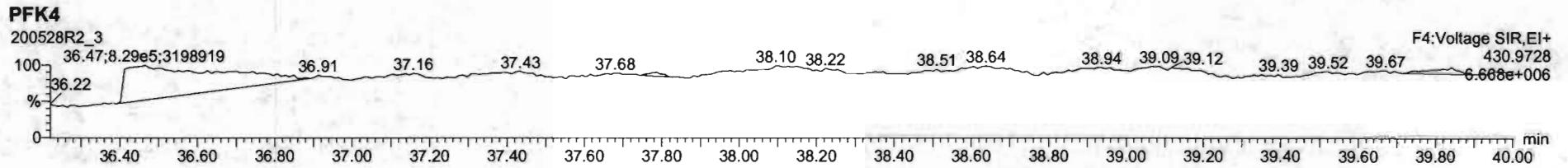
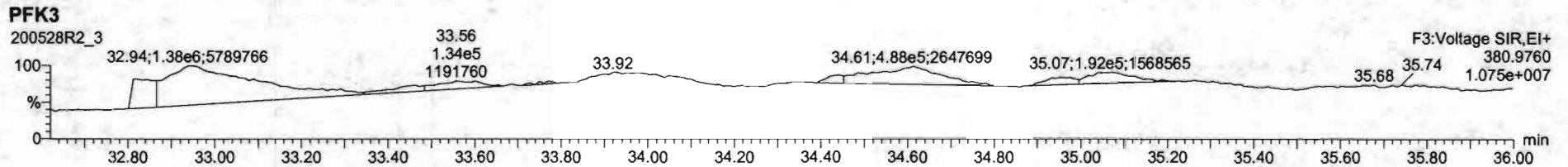
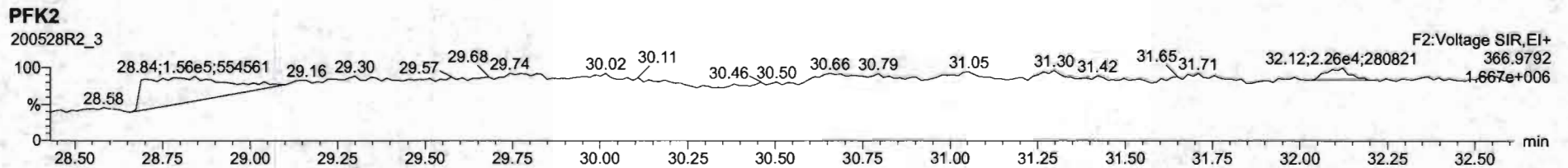
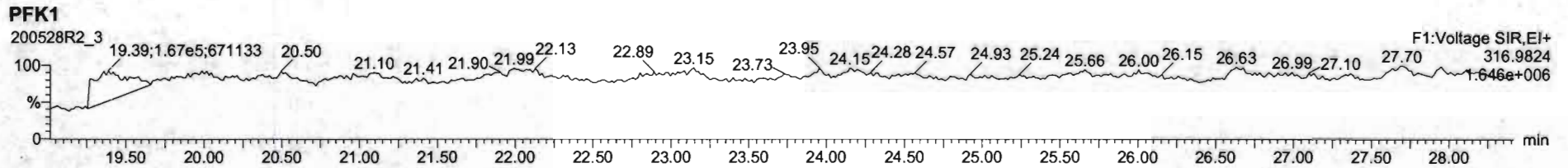


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Name: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304



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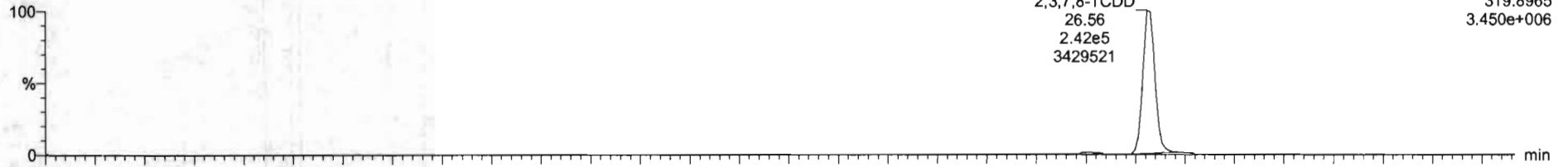
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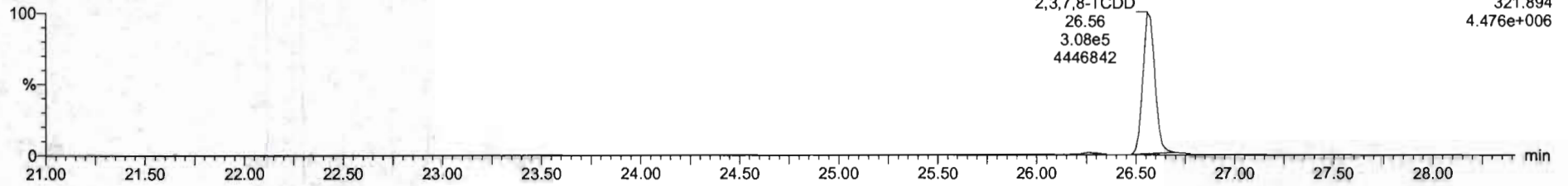
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2,3,7,8-TCDD

200528R2_4

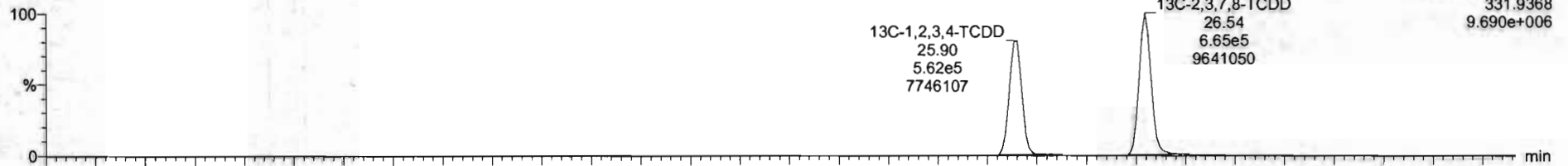


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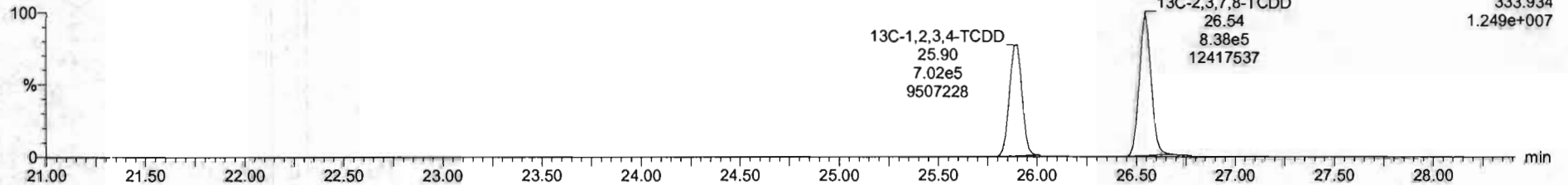


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200528R2_4



200528R2_4



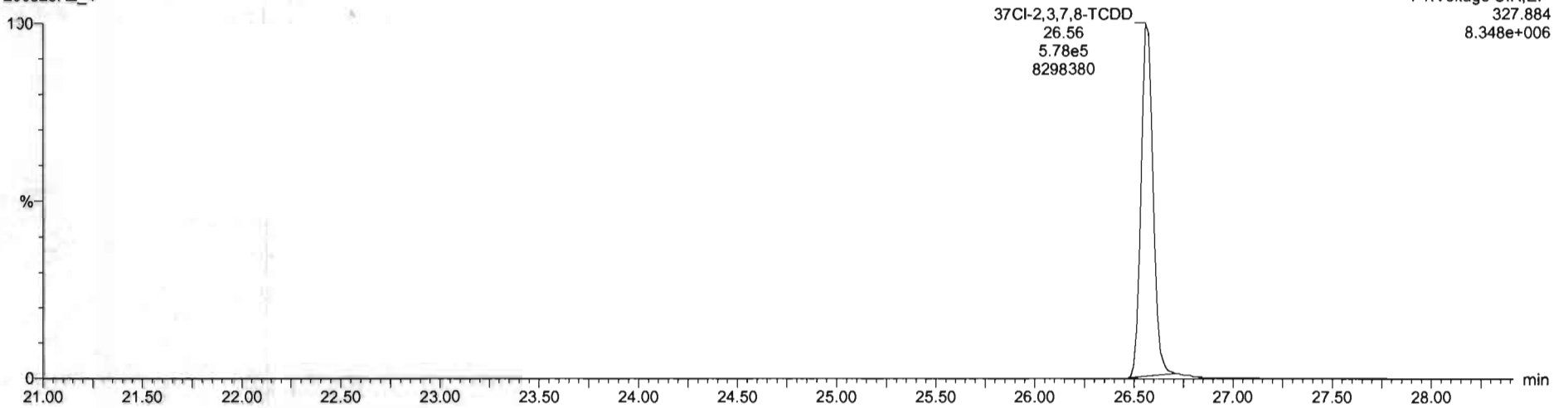
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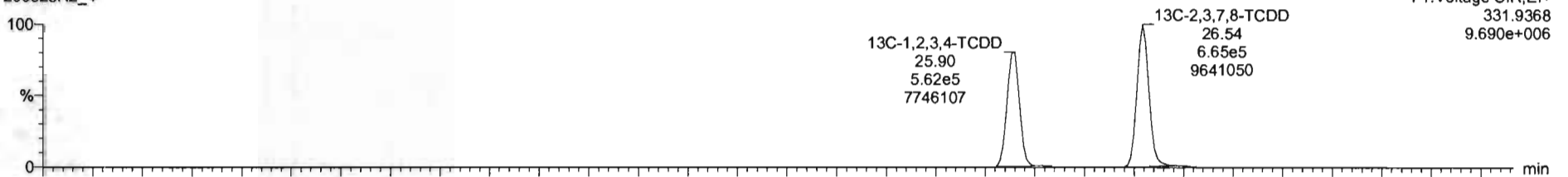
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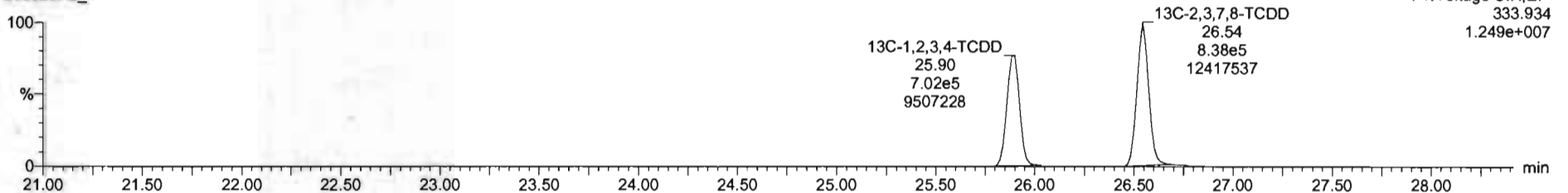


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200528R2_4



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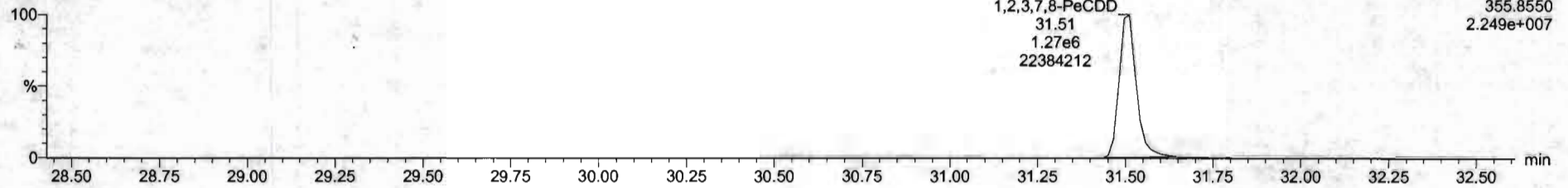
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1,2,3,7,8-PeCDD

200528R2_4

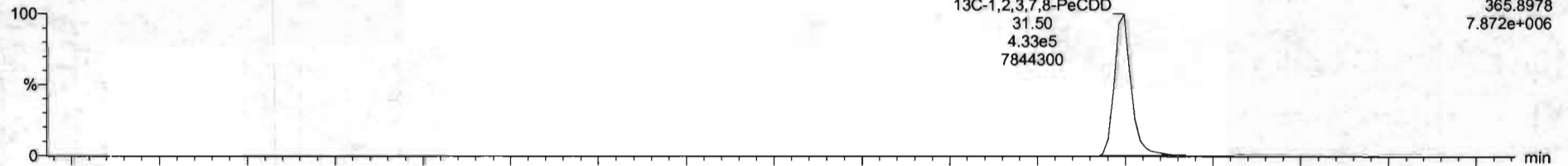


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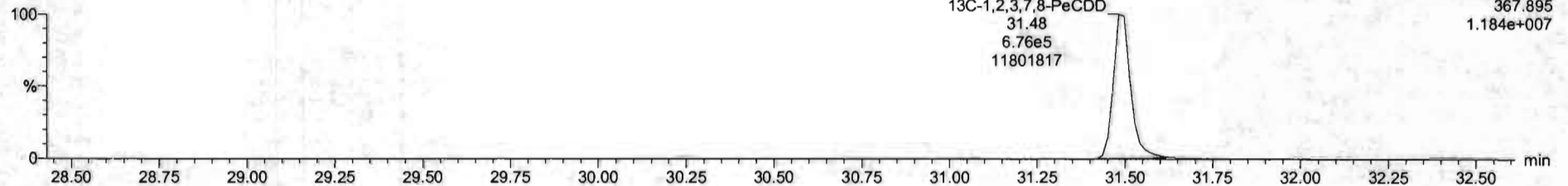


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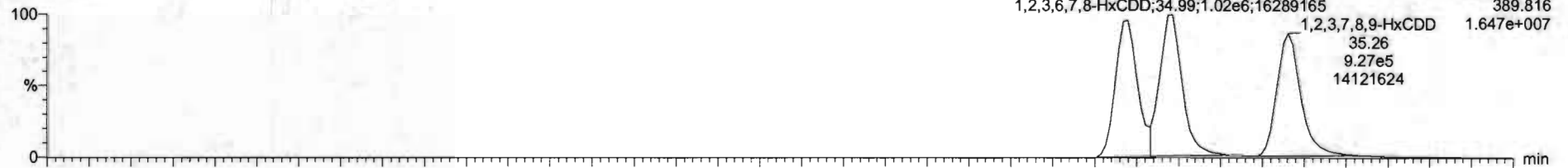
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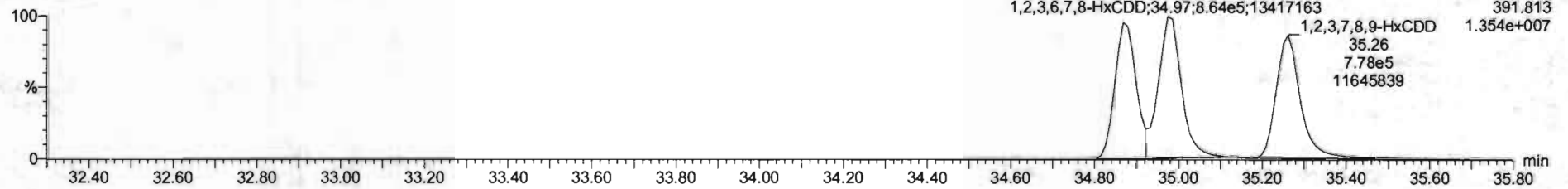
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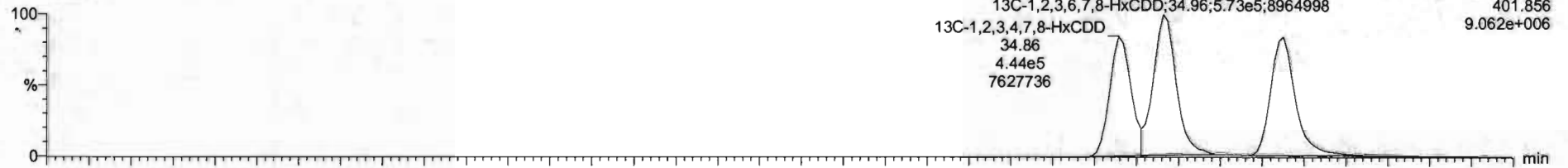


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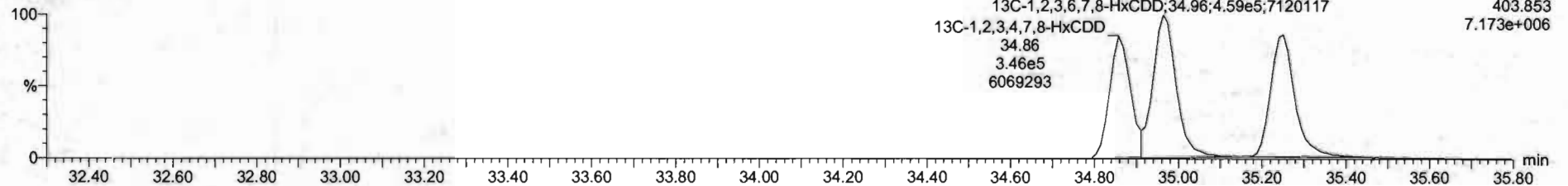


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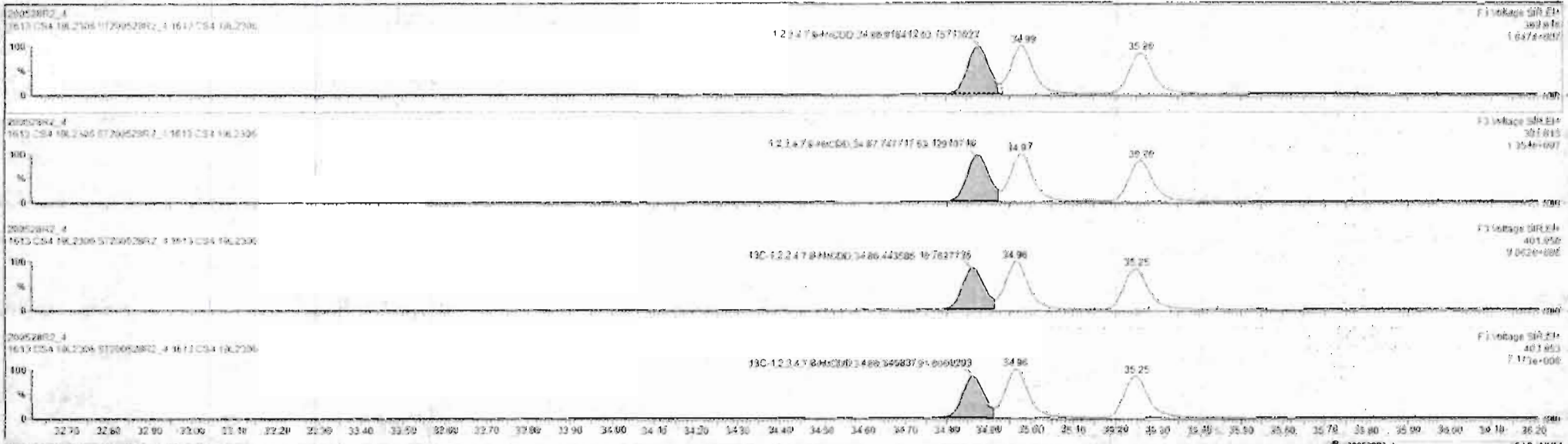


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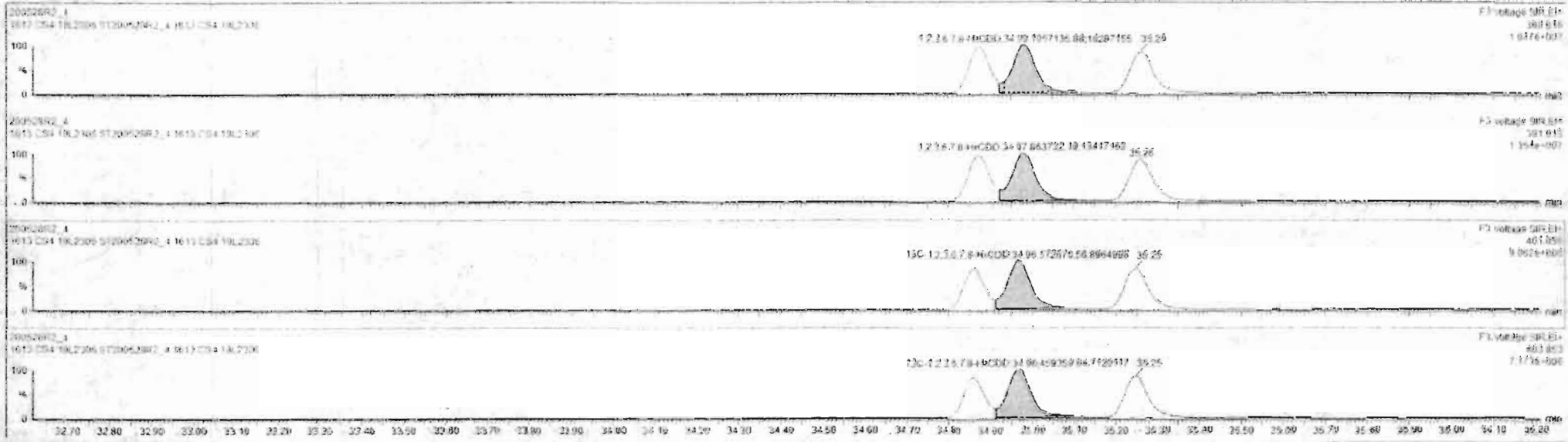


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1	1.2.3.7.8-TCDD	2.50e6	0.78	NO	0.882	1.000	26.99	1.001	41.2	101	0.129	41.2
2	1.2.3.7.8-HxCDD	2.25e6	0.83	NO	0.6091	1.000	31.51	1.000	205	102	0.0837	205
3	1.2.3.4.7.8-HxCDD	1.67e6	1.23	NO	1.0394	1.000	34.86	1.001	204	102	0.115	204
4	1.2.3.6.7.8-HxCDD	1.92e6	1.22	NO	0.8921	1.000	34.98	1.001	200	104	0.111	200
5	1.2.3.7.8.9-HxCDD	1.70e6	1.26	NO	0.8865	1.000	35.25	1.000	210	105	0.113	210
6	1.2.3.4.6.7.8-HpCDD	1.25e6	1.02	NO	0.6839	1.000	36.80	1.000	211	105	0.218	211
7	OCDD	2.45e6	0.27	NO	0.9138	1.000	41.77	1.000	397	99.4	0.192	397
8	1.2.3.6-TCDF	6.52e6	0.76	NO	0.7019	1.000	25.88	1.001	42.8	107	0.123	42.8
9	1.2.3.7.8-HxCDF	2.94e6	1.54	NO	0.8925	1.000	28.23	1.000	203	101	0.118	203
10	1.2.3.4.7.8-HxCDF	3.50e6	1.54	NO	0.9348	1.000	31.21	1.000	204	102	0.109	204
11	1.2.3.4.7.8-HxCDF	1.87e6	1.16	NO	0.8845	1.000	33.99	1.000	208	104	0.223	208
12	1.2.3.6.7.8-HxCDF	2.16e6	1.18	NO	0.8812	1.000	33.12	1.001	206	103	0.203	206
13	2.3.4.6.7.8-HxCDF	2.96e6	1.19	NO	0.9341	1.000	34.21	1.001	207	103	0.219	207
14	1.2.3.7.8.9-HxCDF	1.60e6	1.26	NO	0.8701	1.000	35.62	1.001	208	104	0.313	208
15	1.2.3.4.6.7.8-HpCDF	1.43e6	0.99	NO	0.8714	1.000	37.35	1.000	213	106	0.213	213
16	1.2.3.4.7.8.9-HpCDF	1.13e6	0.98	NO	1.0128	1.000	39.33	1.000	214	107	0.227	214
17	OCDF	2.54e6	0.87	NO	0.8065	1.000	41.96	1.000	402	100	0.171	402
18	13C-1.2.3.7.8-TCDD	1.58e6	0.79	NO	1.1563	1.000	26.64	1.025	103	103	0.164	
19	13C-1.2.3.7.8-HxCDD	1.11e6	0.84	NO	0.8489	1.000	31.58	1.216	103	103	0.138	
20	13C-1.2.3.4.7.8-HxCDD	7.89e6	1.28	NO	0.7736	1.000	34.96	1.014	103	103	0.172	
21	13C-1.2.3.6.7.8-HxCDD	1.07e6	1.25	NO	1.0187	1.000	34.96	1.017	104	104	0.121	

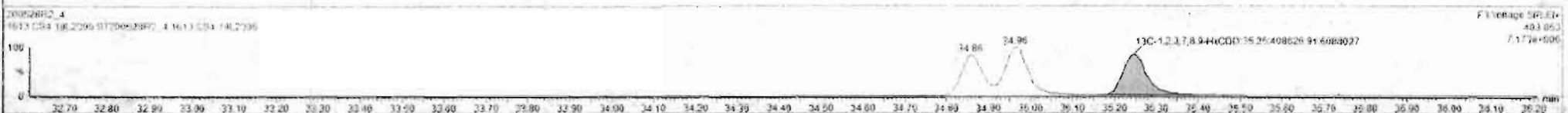
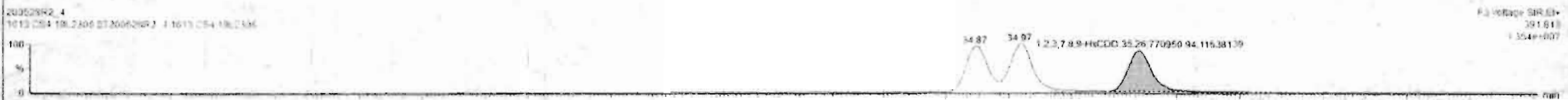


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#	Name	Keep	RA	RY	RP	Wt/Wt	RT	RRT	Conc	Wt/Wt	DL	EMPU
1	1.2.3.7.8-TCDF	1.50e6	0.18	NO	0.0061	1.000	36.96	1.001	41.2	101	0.124	41.1
2	1.2.3.7.8-HxCDD	2.56e6	0.43	NO	0.0041	1.000	31.51	1.000	205	102	0.0017	204
3	1.2.3.7.8-HxCDF	1.87e6	1.23	NO	1.0734	1.000	34.80	1.001	204	102	0.115	204
4	1.2.3.6.7.8-HxCDD	1.92e6	1.22	NO	0.0020	1.000	34.96	1.001	394	104	0.119	395
5	1.2.3.7.8-HxCDF	1.19e6	1.20	NO	0.0065	1.000	35.26	1.000	210	102	0.133	210
6	1.2.3.4.6.7.8-HxCDD	1.25e6	1.02	NO	0.0033	1.000	36.60	1.000	211	104	0.219	211
7	OCDD	2.45e6	0.97	NO	0.0136	1.000	41.77	1.000	307	104	0.192	307
8	1.2.3.7.8-TCDF	4.12e6	0.76	NO	0.0140	1.000	25.88	1.001	42.0	107	0.123	42.0
9	1.2.3.7.8-HxCDF	1.19e6	1.14	NO	0.0025	1.000	30.23	1.000	203	101	0.100	203
10	1.2.3.4.7.8-PeCDF	1.08e6	1.14	NO	0.0346	1.000	31.21	1.000	204	102	0.169	204
11	1.2.3.4.7.8-HxCDF	1.87e6	1.18	NO	0.0041	1.000	33.99	1.000	200	104	0.221	200
12	1.2.3.6.7.8-HxCDF	2.16e6	1.10	NO	0.0092	1.000	34.12	1.001	206	103	0.203	206
13	1.2.3.4.6.7.8-HxCDF	2.68e6	1.19	NO	0.0041	1.000	34.71	1.001	207	103	0.219	207
14	1.2.3.7.8-HxCDF	1.68e6	1.20	NO	0.0007	1.000	35.62	1.001	208	104	0.215	208
15	1.2.3.4.6.7.8-HxCDF	1.43e6	0.99	NO	0.0034	1.000	37.59	1.000	213	106	0.213	213
16	1.2.3.4.7.8.9-HxCDF	1.13e6	0.90	NO	1.0120	1.000	30.33	1.000	214	107	0.227	214
17	OCDF	2.34e6	0.97	NO	0.0254	1.000	41.96	1.000	400	100	0.171	400
18	1.2.3.7.8-TCDD	1.19e6	0.79	NO	1.1563	1.000	26.94	1.000	163	103	0.114	163
19	1.2.3.1.2.7.8-HxCDD	1.11e6	0.84	NO	0.0490	1.000	31.00	1.210	103	103	0.170	103
20	1.2.3.1.2.4.7.8-HxCDD	7.39e6	1.25	NO	0.7790	1.000	34.06	1.014	103	103	0.172	103
21	1.2.3.1.2.3.7.8-HxCDD	1.02e6	1.25	NO	1.0107	1.000	34.96	1.017	104	104	0.171	104



#	Name	Resp	RA	ny	RRF	wtdwt	RT	RRT	Coef	%Rec	DL	104PC
1	1,2,3,6,7-CDD	0.50e6	0.76	NO	0.8863	1.000	26.56	1.091	41.7	102	0.124	41.4
2	1,2,3,7,8-HxCDD	2.36e6	0.43	NO	0.8051	1.000	31.51	1.000	205	102	0.0837	205
3	1,2,3,4,7,8-HxCDD	1.67e6	1.22	NO	1.0334	1.000	34.55	1.001	204	102	0.115	204
4	1,2,3,6,7,8-HxCDD	1.92e6	1.22	NO	0.9923	1.000	34.99	1.001	209	104	0.111	209
5	1,2,3,7,8,9-HxCDD	1.70e6	1.20	NO	0.6868	1.000	35.26	1.000	210	105	0.133	210
6	1,2,3,4,6,7,8-HpCDD	1.25e6	1.62	NO	0.8830	1.000	38.50	1.000	211	105	0.13	211
7	COCDF	2.45e6	0.87	NO	0.9136	1.000	41.77	1.000	397	99.4	0.100	397
8	1,2,3,6,7-CDF	6.53e6	0.76	NO	0.7510	1.000	25.68	1.001	42.0	101	0.123	42.0
9	1,2,3,7,8-CDF	2.84e6	1.54	NO	0.8920	1.000	30.21	1.000	207	101	0.119	207
10	1,2,3,6,8-CDF	2.06e6	1.54	NO	0.9345	1.000	31.21	1.000	204	102	0.109	204
11	1,2,3,4,7,8-HxCDF	1.67e6	1.16	NO	0.8845	1.000	33.95	1.000	202	104	0.221	202
12	1,2,3,6,7,8-HxCDF	2.16e6	1.10	NO	0.8292	1.000	34.12	1.001	206	103	0.203	206
13	1,2,3,6,7,8-HxCDF	2.00e6	1.19	NO	0.9241	1.000	34.71	1.001	207	103	0.219	207
14	1,2,3,7,8,9-HxCDF	1.60e6	1.20	NO	0.8157	1.000	35.42	1.001	203	104	0.313	203
15	1,2,3,4,6,7,8-HpCDF	1.43e6	0.99	NO	0.8734	1.000	37.39	1.000	213	106	0.213	213
16	1,2,3,4,7,8,9-HpCDF	1.13e6	0.98	NO	1.0128	1.000	39.33	1.000	214	107	0.227	214
17	OCDF	3.54e6	0.57	NO	0.8095	1.000	41.96	1.000	402	100	0.171	402
18	1,2,3,7,8,9-CDF	1.56e6	0.75	NO	1.1587	1.000	28.54	1.025	103	103	0.164	
19	1,2,3,4,7,8-HpCDD	1.11e6	0.64	NO	0.8460	1.000	31.50	1.216	103	103	0.130	
20	1,2,3,4,7,8-HpCDE	7.89e6	1.28	NO	0.7798	1.000	34.96	1.014	103	103	0.172	
21	1,2,3,4,7,8-HpCDD	1.03e6	1.35	NO	1.0187	1.000	34.96	1.017	104	104	0.121	



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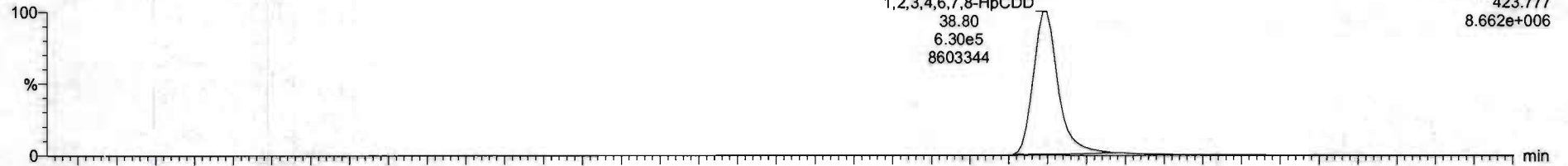
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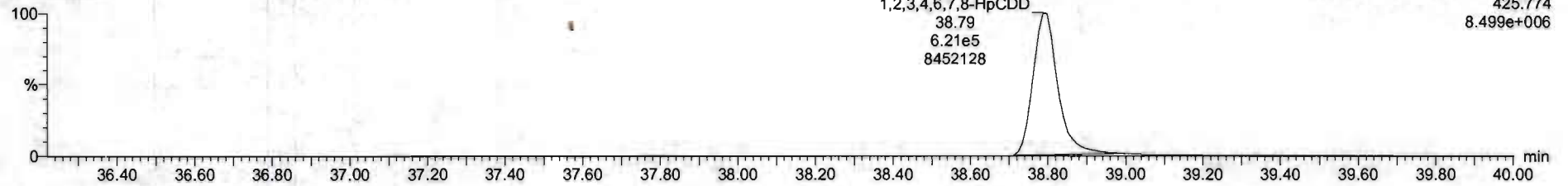
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1,2,3,4,6,7,8-HpCDD

200528R2_4

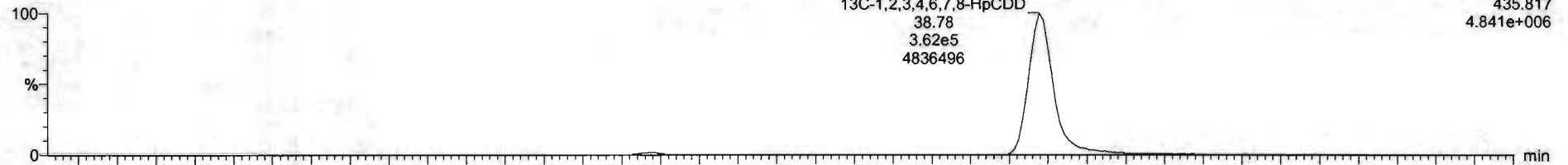


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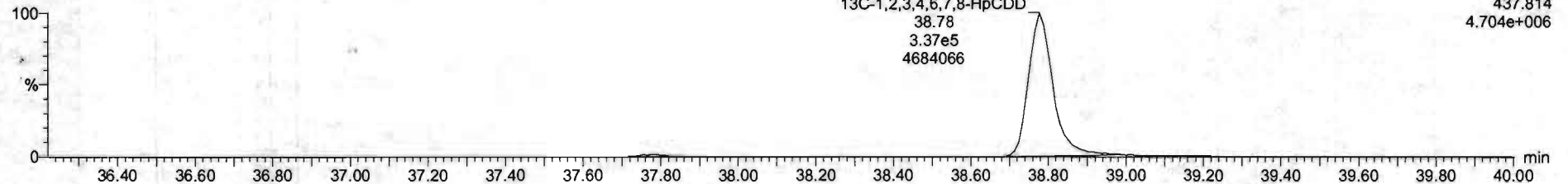


13C-1,2,3,4,6,7,8-HpCDD

200528R2_4



200528R2_4



#	Name	Resp	RA	n/y	RRF	IntVal	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.50e6	0.76	NO	0.8983	1.000	26.96	1.001	41.2	103	0.124	41.2
2	1,2,3,7,8-PeCDD	2.06e6	0.83	NO	0.8081	1.000	31.51	1.000	205	102	0.6837	205
3	1,2,3,4,7,8-HxCDD	1.67e6	1.23	NO	1.0334	1.000	34.80	1.001	204	102	0.115	204
4	1,2,3,6,7,8-HxCDD	1.92e6	1.22	NO	0.8927	1.000	34.99	1.001	209	104	0.111	209
5	1,2,3,7,8,9-HxCDD	1.76e6	1.26	NO	0.8665	1.000	35.25	1.000	210	105	0.133	210
6	1,2,3,4,6,7,8-HpCDD	1.25e6	1.02	NO	0.8839	1.000	36.80	1.000	211	105	0.210	211
7	CDD	2.45e6	0.87	NO	0.9136	1.000	41.77	1.000	397	99.4	0.192	397
8	2,3,7,8-TCDF	6.52e5	0.76	NO	0.7510	1.000	26.68	1.001	42.0	107	0.123	42.0
9	1,2,3,7,8-HxCDF	3.94e5	1.54	NO	0.8925	1.000	36.21	1.000	203	101	0.118	203
10	1,2,3,4,7,8-PeCDF	3.06e5	1.54	NO	0.9348	1.000	31.21	1.000	204	102	0.109	204
11	1,2,3,4,7,8-HxCDF	1.87e5	1.16	NO	0.8845	1.000	33.99	1.000	208	104	0.221	208
12	1,2,3,6,7,8-HxCDF	2.16e5	1.10	NO	0.8062	1.000	34.12	1.001	208	103	0.203	208
13	1,2,3,4,7,8,9-HxCDF	2.00e5	1.19	NO	0.9341	1.000	34.71	1.001	207	103	0.219	207
14	1,2,3,7,8,9-HxCDF	1.60e5	1.20	NO	0.8787	1.000	35.42	1.001	208	104	0.313	208
15	1,2,3,4,6,7,8-HpCDF	1.43e5	0.99	NO	0.8734	1.000	37.39	1.000	213	106	0.213	213
16	1,2,3,4,7,8,9-HpCDF	1.13e5	0.98	NO	1.0128	1.000	38.32	1.000	214	107	0.227	214
17	CDF	2.54e5	0.87	NO	0.8095	1.000	41.96	1.000	402	100	0.171	402
18	1,2,3,7,8-TCDF	1.56e5	0.79	NO	1.1563	1.000	26.54	1.025	103	103	0.164	
19	1,2,3,4,6,7,8-HpCDF	1.11e5	0.84	NO	0.8490	1.000	31.30	1.216	103	103	0.139	
20	1,2,3,4,7,8,9-HxCDF	7.99e5	1.25	NO	0.7790	1.000	34.90	1.014	103	103	0.172	
21	1,2,3,4,6,7,8-HpCDF	1.03e5	1.25	NO	1.0167	1.000	34.96	1.017	104	104	0.131	



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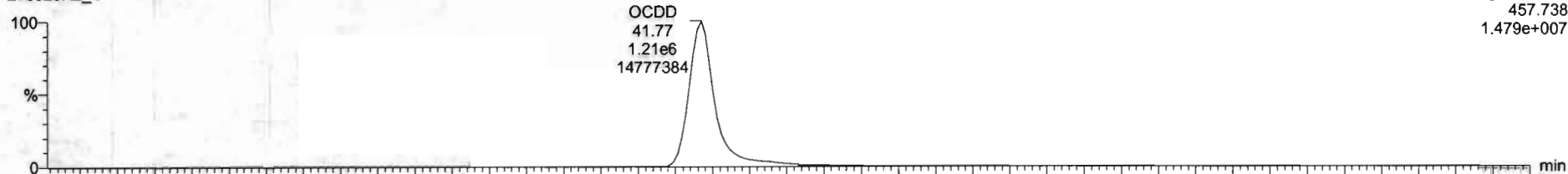
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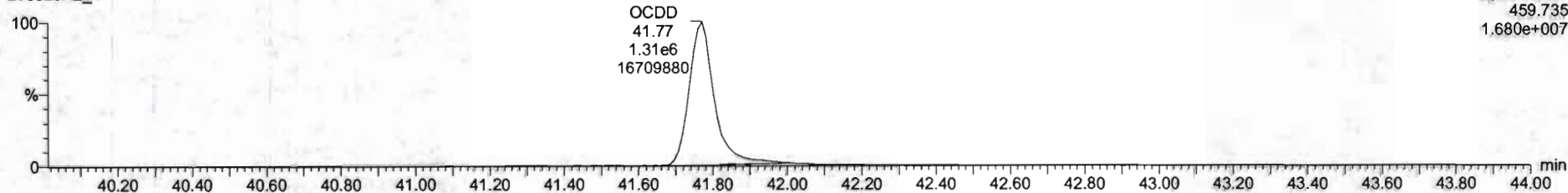
OCDD

200528R2_4



F5: Voltage SIR, EI+
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1.479e+007

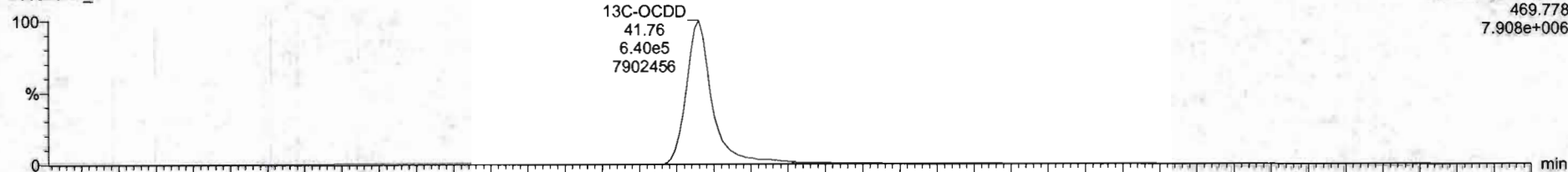
200528R2_4



F5: Voltage SIR, EI+
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1.680e+007

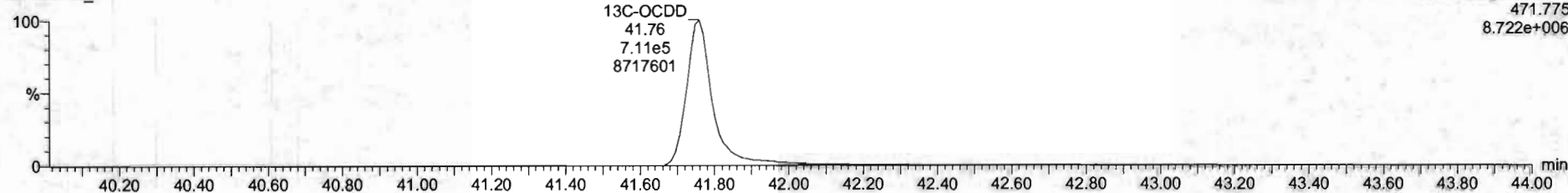
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200528R2_4



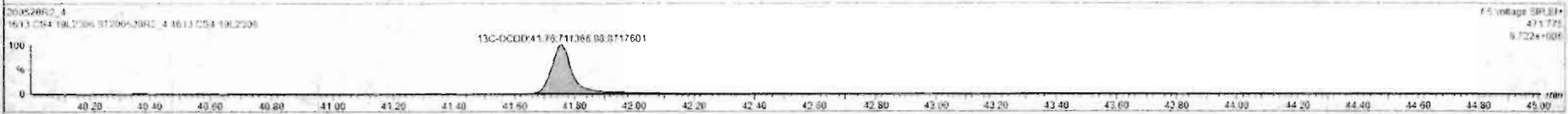
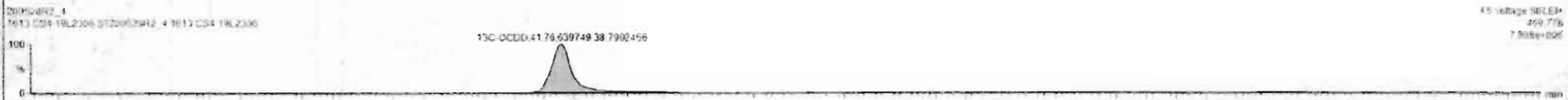
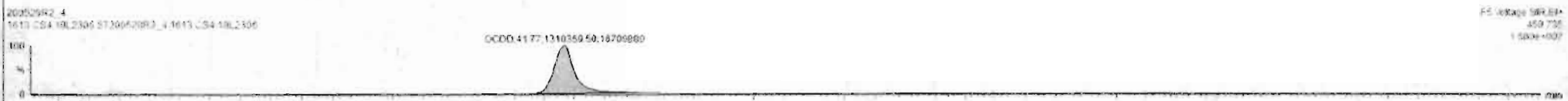
F5: Voltage SIR, EI+
469.778
7.908e+006

200528R2_4



F5: Voltage SIR, EI+
471.775
8.722e+006

Sl. No.	Name	Resp	RA	inj	RRF	wt/vol	RT	NRT	Conc.	%Rec	DL	SI/PC
1	2.3.7.6-TCDD	3.56e5	0.76	NO	0.8883	1.000	28.56	1.001	41.2	101	0.134	41.2
2	1.2.3.7.5-PeCDD	2.06e6	0.63	NO	0.9051	1.000	31.01	1.000	205	102	0.6837	205
3	1.2.3.4.7.8-HxCD	1.07e6	1.23	NO	1.0334	1.000	34.80	1.001	284	102	0.115	284
4	1.2.3.6.7.8-HxCDD	1.92e6	1.22	NO	0.8923	1.000	34.99	1.001	209	104	0.111	209
5	1.2.3.7.8.9-HxCDD	1.70e6	1.20	NO	0.8669	1.000	35.26	1.000	210	105	0.133	210
6	1.2.3.4.6.7.8-HpCDD	1.25e6	1.02	NO	0.8639	1.000	36.90	1.000	211	105	0.115	211
7	OCDD	2.45e6	0.87	NO	0.9136	1.000	41.77	1.000	307	99.4	0.192	307
8	2.3.7.6-TCDF	6.52e5	0.76	NO	0.7510	1.000	28.56	1.001	42.8	107	0.123	42.8
9	1.2.3.7.8-PeCDF	2.94e6	1.54	NO	0.9905	1.000	30.23	1.000	203	101	0.118	203
10	1.2.3.4.7.8-HxCDF	1.00e6	1.54	NO	0.9348	1.000	31.21	1.000	204	102	0.100	204
11	1.2.3.4.7.8-HxCDF	1.87e6	1.18	NO	0.8545	1.000	33.99	1.000	205	104	0.221	205
12	1.2.3.6.7.8-HxCDF	2.16e6	1.10	NO	0.8062	1.000	34.12	1.001	206	103	0.205	206
13	1.2.3.4.7.8-HxCDF	2.00e6	1.19	NO	0.9383	1.000	34.71	1.001	207	103	0.219	207
14	1.2.3.7.8.9-HxCDF	1.60e6	1.20	NO	0.8707	1.000	35.62	1.001	208	104	0.313	208
15	1.2.3.4.6.7.8-HpCDF	1.43e6	0.99	NO	0.8734	1.000	37.55	1.000	213	106	0.213	213
16	1.2.3.4.7.8.9-HpCDF	1.13e6	0.90	NO	1.0126	1.000	39.33	1.000	214	107	0.227	214
17	OCDF	2.54e6	0.87	NO	0.8085	1.000	41.96	1.000	402	100	0.171	402
18	13C-2.3.7.6-TCDD	1.58e6	0.75	NO	1.1583	1.000	28.54	1.025	103	103	0.184	
19	13C-1.2.3.7.8-PeCDD	1.11e6	0.64	NO	0.8490	1.000	31.50	1.216	103	103	0.136	
20	13C-1.2.3.4.7.8-HxCDD	7.88e5	1.28	NO	0.7790	1.000	34.96	1.014	103	103	0.172	
21	13C-1.2.3.6.7.8-HxCDD	1.03e6	1.25	NO	1.0187	1.000	34.96	1.017	104	104	0.131	



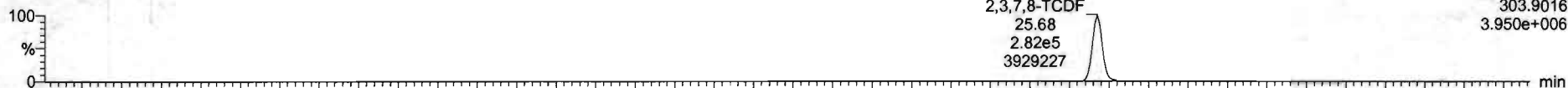
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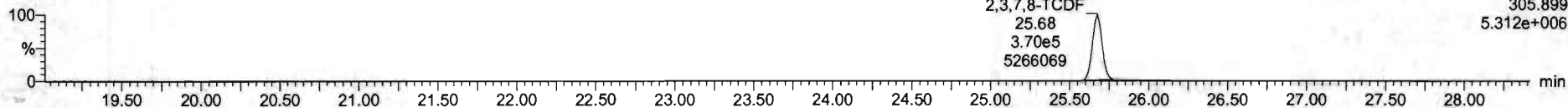
2,3,7,8-TCDF

200528R2_4



F1: Voltage SIR, EI+
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3.950e+006

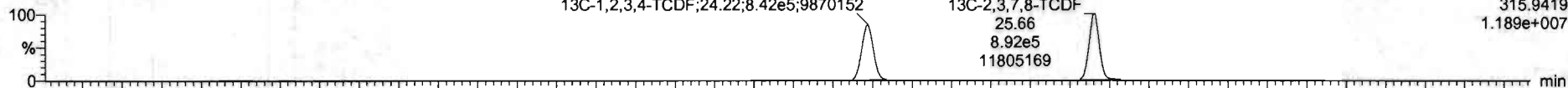
200528R2_4



F1: Voltage SIR, EI+
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5.312e+006

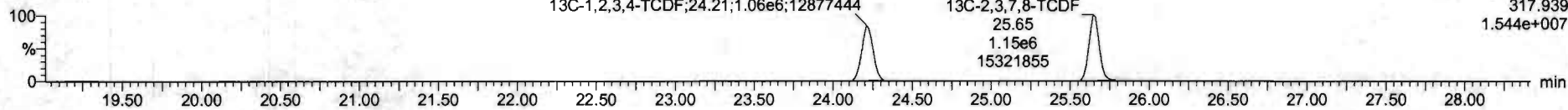
13C-2,3,7,8-TCDF

200528R2_4



F1: Voltage SIR, EI+
315.9419
1.189e+007

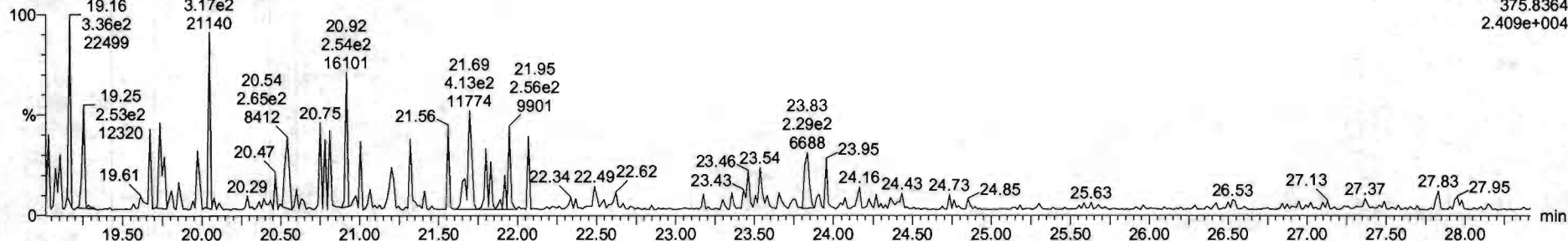
200528R2_4



F1: Voltage SIR, EI+
317.939
1.544e+007

DPE1

200528R2_4



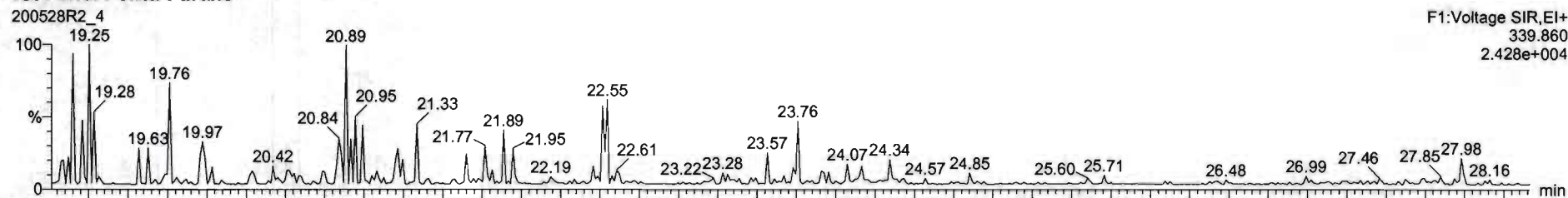
F1: Voltage SIR, EI+
375.8364
2.409e+004

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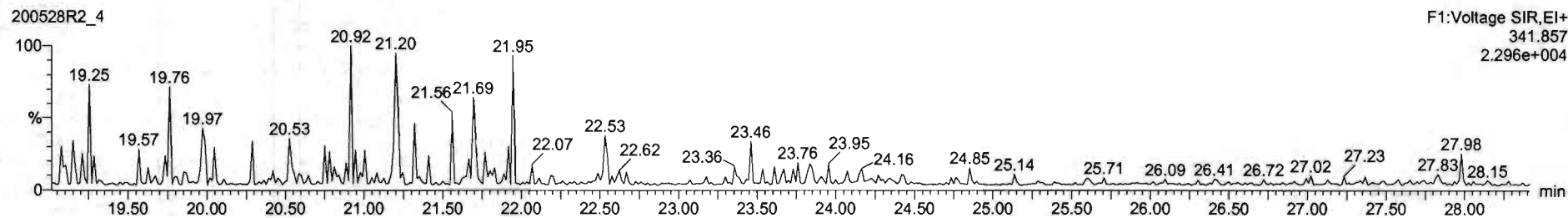
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Name: 200528R2_4, Date: 28-May-2020, Time: 14:15:50, ID: ST200528R2_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306

1st Func. Penta-Furans

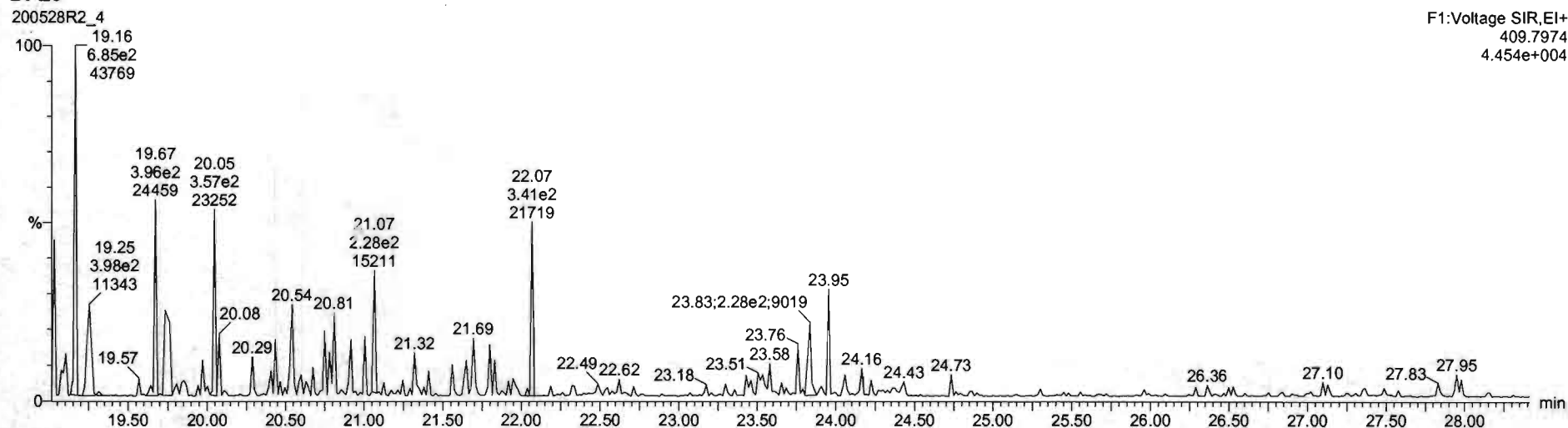


F1:Voltage SIR,EI+
339.860
2.428e+004



F1:Voltage SIR,EI+
341.857
2.296e+004

DPE6



F1:Voltage SIR,EI+
409.7974
4.454e+004

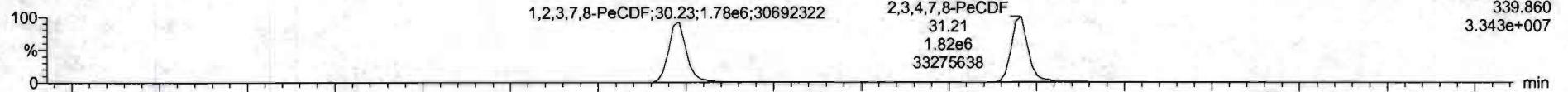
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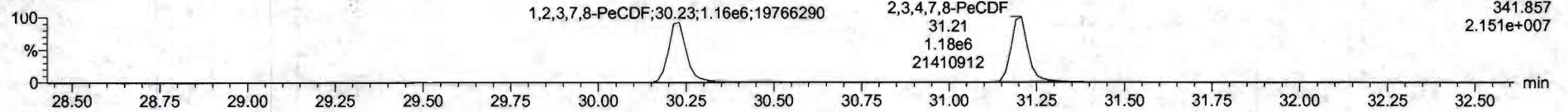
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1,2,3,7,8-PeCDF

200528R2_4

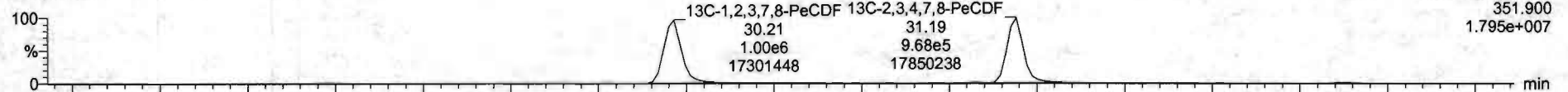


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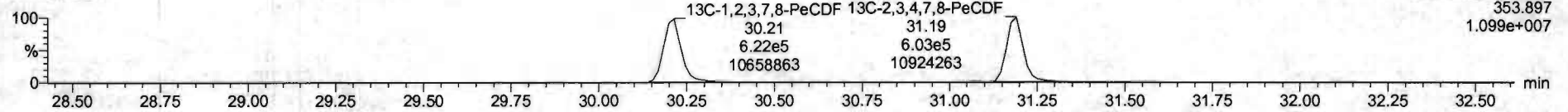


13C-1,2,3,7,8-PeCDF

200528R2_4

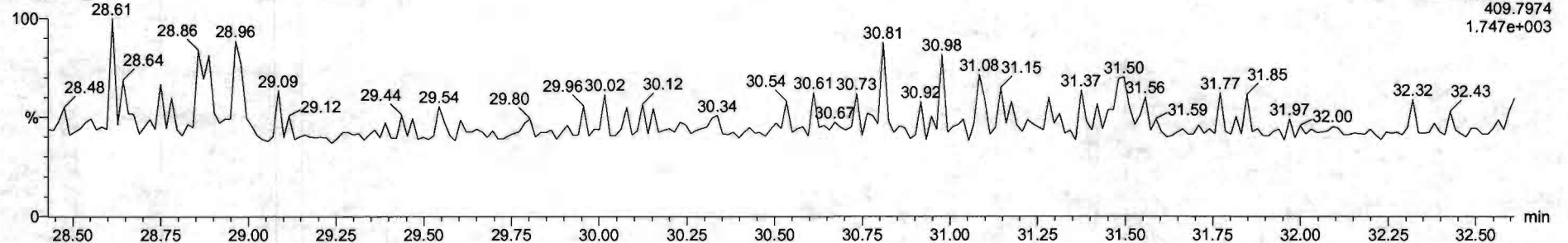


200528R2_4



DPE2

200528R2_4



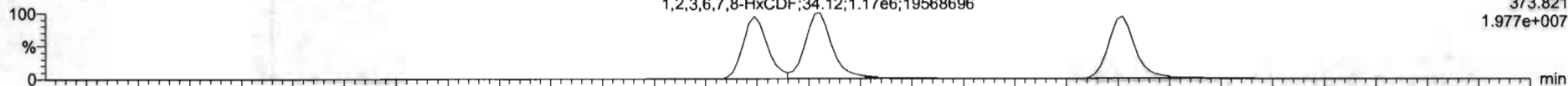
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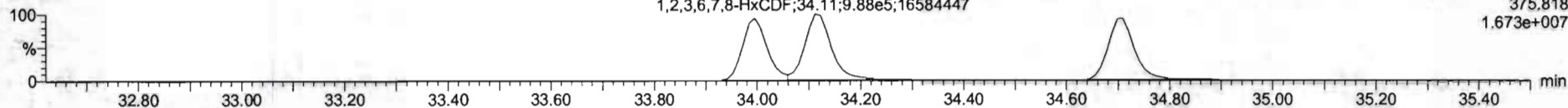
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1,2,3,4,7,8-HxCDF

200528R2_4

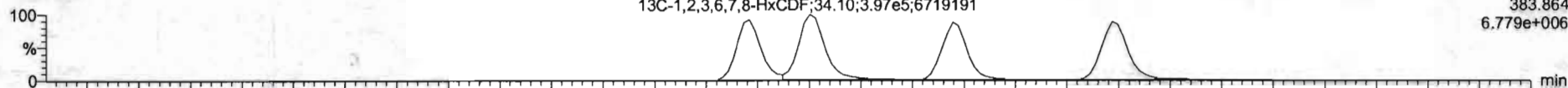


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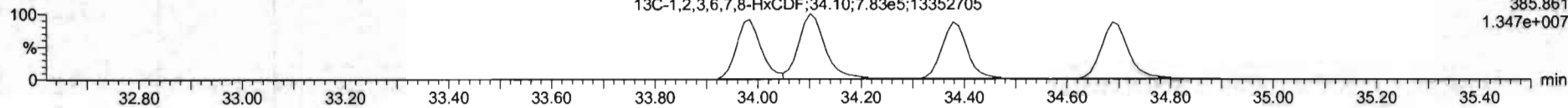


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200528R2_4

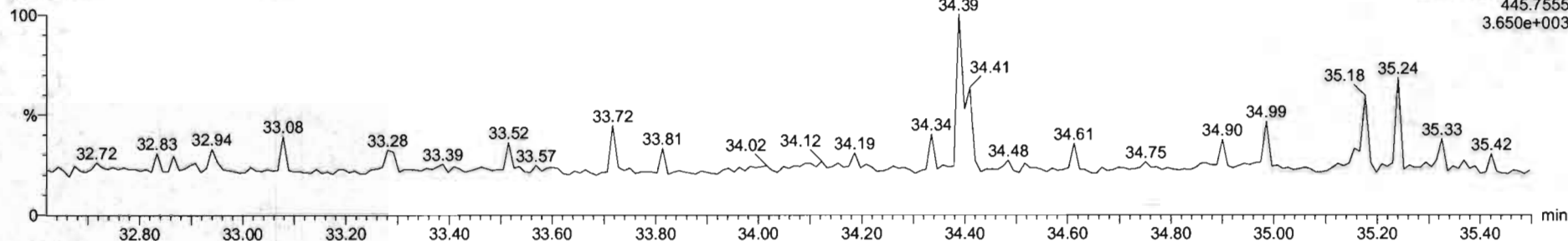


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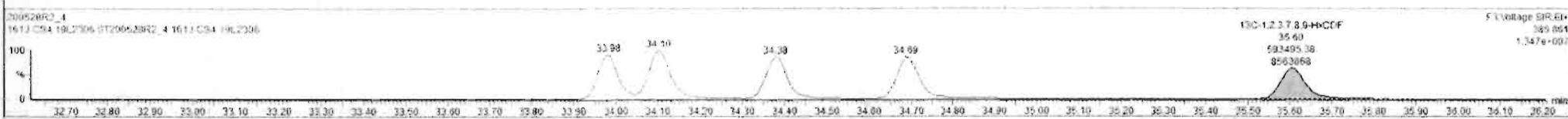
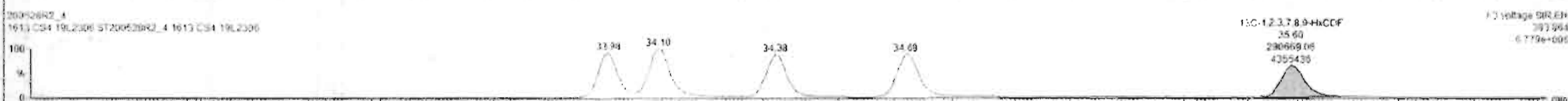


DPE3

200528R2_4



#	Name	Resp	RA	ntf	RRF	wb/wr	RT	RRT	Conc	%Rec	DL	IRFC
1	1.2.3.7.8-TCDD	3.56e5	0.78	NO	0.2882	1.000	26.96	1.001	41.2	103	0.124	11.2
2	1.2.3.7.8-HxCDD	2.06e6	0.83	NO	0.9081	1.000	31.81	1.000	285	100	0.0837	208
3	1.2.3.4.7.8-HxCDD	1.87e6	1.23	NO	1.0324	1.000	34.88	1.001	204	102	0.115	204
4	1.2.3.6.7.8-HxCDD	1.92e6	1.22	NO	0.8523	1.000	34.99	1.001	209	104	0.111	209
5	1.2.3.7.8.9-HxCDD	1.78e6	1.20	NO	0.8865	1.000	35.26	1.008	240	105	0.133	210
6	1.2.3.4.6.7.8-HpCDD	1.25e6	1.02	NO	0.8639	1.000	36.86	1.000	211	106	0.218	211
7	OCDD	2.45e6	0.87	NO	0.9136	1.000	41.27	1.000	387	99.4	0.182	307
8	1.2.3.7.8-TCDF	6.52e5	0.76	NO	0.7510	1.000	25.68	1.001	42.6	107	0.123	42.6
9	1.2.3.7.8-HxCDF	2.94e6	1.54	NO	0.8925	1.000	30.23	1.000	283	101	0.118	283
10	1.2.3.4.7.8-HxCDF	3.06e6	1.54	NO	0.9348	1.000	31.21	1.000	204	102	0.199	204
11	1.2.3.4.7.8.9-HxCDF	1.87e6	1.18	NO	0.8845	1.000	33.95	1.000	268	104	0.221	268
12	1.2.3.6.7.8-HxCDF	2.16e6	1.10	NO	0.8892	1.000	34.12	1.001	200	103	0.200	200
13	1.2.3.4.6.7.8-HpCDF	2.00e6	1.19	NO	0.9341	1.000	34.71	1.001	207	102	0.219	207
14	1.2.3.7.8.9-HxCDF	1.80e6	1.28	NO	0.8787	1.000	35.62	1.001	290	104	0.313	288
15	1.2.3.4.6.7.8-HpCDF	1.43e6	0.99	NO	0.8714	1.000	37.39	1.000	213	106	0.213	213
16	1.2.3.4.7.8.9-HpCDF	1.13e6	0.98	NO	1.0128	1.000	38.32	1.000	214	107	0.221	214
17	OCDF	2.54e6	0.87	NO	0.8085	1.000	41.96	1.000	403	100	0.178	402
18	13C-1.2.3.7.8-TCDD	1.50e6	0.75	NO	1.1563	1.000	26.54	1.026	103	101	0.194	
19	13C-1.2.3.7.8-HxCDD	1.11e6	0.64	NO	0.8468	1.000	31.90	1.216	193	103	0.130	
20	13C-1.2.3.4.7.8-HxCDD	7.09e5	1.28	NO	0.7790	1.000	34.86	1.014	103	102	0.172	
21	13C-1.2.3.6.7.8-HxCDD	1.03e6	1.25	NO	1.0187	1.000	34.98	1.013	104	104	0.121	



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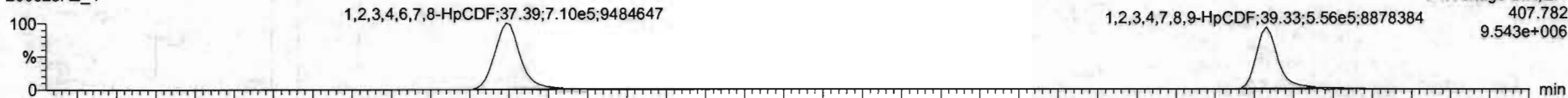
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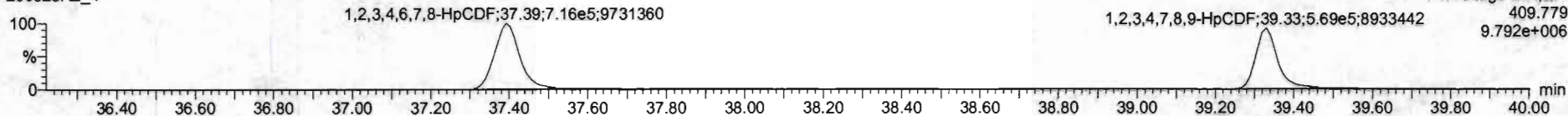
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1,2,3,4,6,7,8-HpCDF

200528R2_4

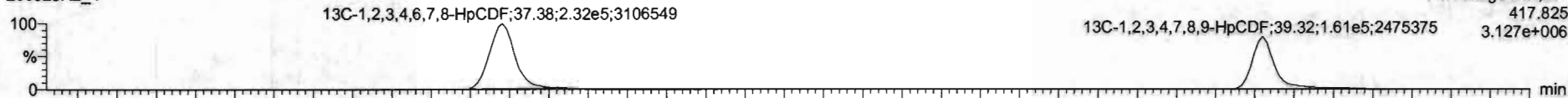


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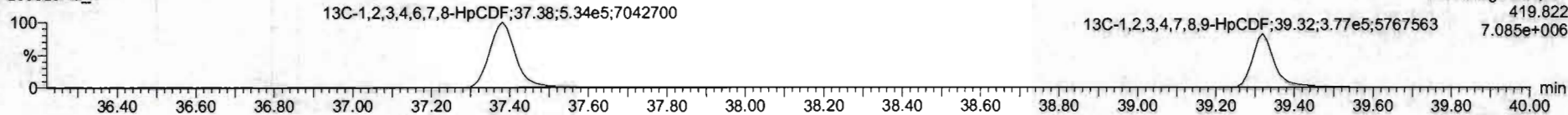


13C-1,2,3,4,6,7,8-HpCDF

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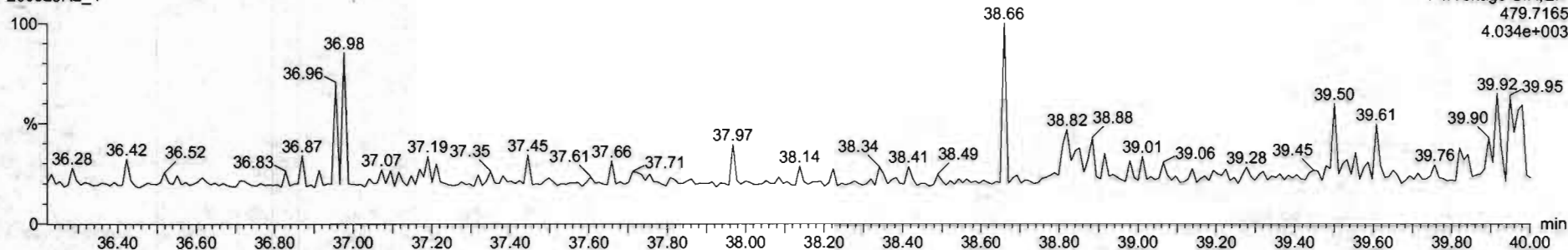


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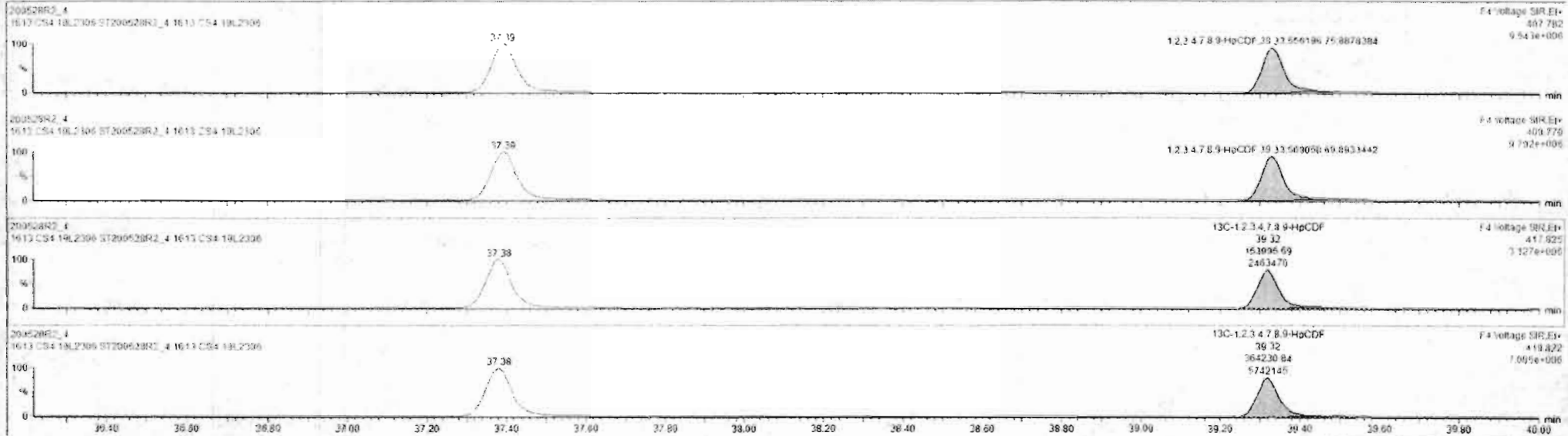


DPE4

200528R2_4



#	Name	Resp	RA	n/y	RRF	w/Vol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.56e5	0.78	NO	0.8583	1.000	26.56	1.001	41.3	103	0.134	41.2
2	1,2,3,7,8-PeCDD	2.06e6	0.63	NO	0.9081	1.000	31.51	1.000	205	102	0.9837	205
3	1,2,3,4,7,8-HxCDD	1.87e6	1.23	NO	1.0334	1.000	34.86	1.001	204	102	0.115	204
4	1,2,3,8,7,8-HxCDD	1.82e6	1.22	NO	0.8521	1.000	34.90	1.001	200	104	0.111	200
5	1,2,3,7,9,8-HxCDD	1.70e6	1.20	NO	0.8969	1.000	35.26	1.000	210	105	0.133	210
6	1,2,3,4,6,7,8-HxCDD	1.25e6	1.02	NO	0.8633	1.000	36.90	1.000	211	105	0.219	211
7	OCDD	2.45e8	0.87	NO	0.9136	1.000	41.77	1.000	397	99.4	0.190	397
8	2,3,7,8-TCDF	6.52e5	0.76	NO	0.7510	1.000	25.66	1.001	42.6	107	0.123	42.2
9	1,2,3,7,9-PeCDF	2.54e6	1.54	NO	0.8925	1.000	30.23	1.000	203	101	0.110	203
10	1,2,3,4,7,8-HxCDF	3.00e6	1.54	NO	0.9346	1.000	31.21	1.000	204	107	0.109	204
11	1,2,3,4,7,8-HxCDF	1.87e6	1.18	NO	0.8845	1.000	33.99	1.000	203	104	0.221	206
12	1,2,3,6,7,8-HxCDF	2.16e6	1.18	NO	0.8867	1.000	34.12	1.001	206	103	0.203	206
13	2,3,4,6,7,8-HxCDF	2.06e6	1.19	NO	0.9341	1.000	34.71	1.001	207	107	0.219	207
14	1,2,3,7,9,8-HxCDF	1.68e6	1.20	NO	0.8707	1.000	35.62	1.001	208	104	0.213	208
15	1,2,3,4,6,7,9-HxCDF	1.43e6	0.95	NO	0.8734	1.000	37.35	1.000	215	106	0.213	213
16	1,2,3,4,7,8,9-HpCDF	1.15e6	0.60	NO	1.0128	1.000	39.33	1.000	214	107	5.327	214
17	OCDF	2.54e8	0.87	NO	0.8085	1.000	41.96	1.000	402	100	0.171	402
18	13C-2,3,7,8-TCDD	1.54e6	0.75	NO	1.1563	1.000	26.54	1.025	107	103	0.164	
19	13C-1,2,3,7,8-PeCDD	1.11e6	0.64	NO	0.8469	1.000	31.50	1.216	103	103	0.138	
20	13C-1,2,3,4,7,8-HxCDD	7.89e5	1.26	NO	0.7790	1.000	34.96	1.014	103	103	0.102	
21	13C-1,2,3,6,7,8-HxCDD	1.03e6	1.25	NO	1.0167	1.000	34.96	1.017	104	104	0.121	

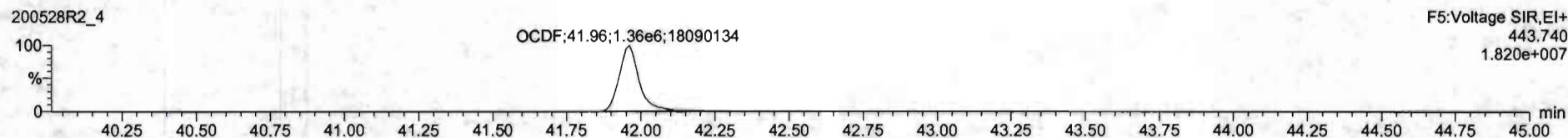
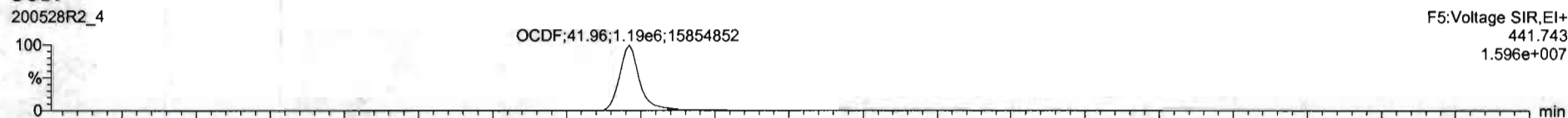


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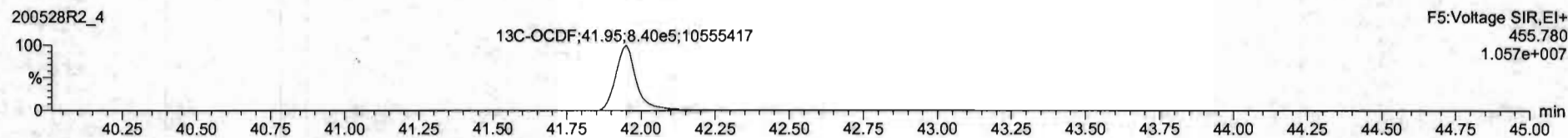
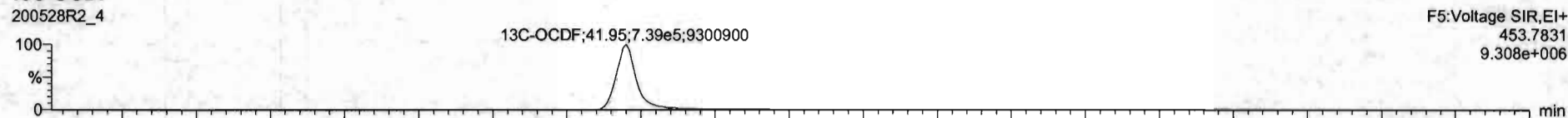
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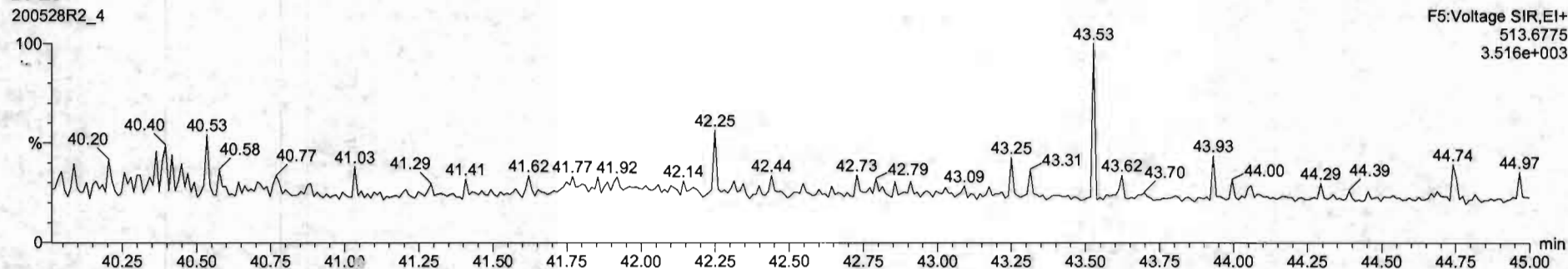
OCDF



13C-OCDF



DPE5



#	Name	Resp	RA	RIY	RRF	wtvol	RT	RRT	Cenc	%Rec	DL	EMPC
1	2.1.1.6.7CDD	1.58e5	0.78	NO	0.8863	1.000	26.56	1.001	41.2	103	0.124	41.2
2	1.2.3.7.5-PeCDD	2.06e6	0.83	NO	0.8081	1.000	31.51	1.000	205	102	0.0827	205
3	1.2.3.4.7.8-HxCDD	1.07e6	1.23	NO	1.0334	1.000	34.85	1.001	204	102	0.115	204
4	1.2.3.6.7.8-HxCDF	1.92e6	1.22	NO	0.8929	1.000	34.99	1.001	209	104	0.111	209
5	1.2.3.7.8-HxCDD	1.78e6	1.20	NO	0.8265	1.000	35.26	1.000	210	105	0.123	210
6	1.2.3.4.8.7.8-HxCDD	1.25e6	1.02	NO	0.8633	1.000	36.40	1.000	211	105	0.218	211
7	OCDD	2.45e6	0.87	NO	0.9136	1.000	41.77	1.000	397	99.4	0.102	397
8	2.1.3.7.6-TCDF	0.52e5	0.76	NO	0.7510	1.000	25.05	1.001	42.0	107	0.127	42.0
9	1.2.3.7.6-PeCDF	2.94e6	1.54	NO	0.8925	1.000	36.23	1.000	203	101	0.118	203
10	1.2.4.7.8-HxCDF	3.00e6	1.54	NO	0.9349	1.000	31.21	1.000	204	102	0.109	204
11	1.2.3.4.7.8-HxCDF	1.87e6	1.18	NO	0.8945	1.000	33.99	1.000	368	104	0.221	368
12	1.2.3.6.7.8-HxCDF	2.16e6	1.18	NO	0.8852	1.000	34.12	1.001	205	103	0.203	205
13	2.1.4.6.7.8-HxCDF	2.08e6	1.19	NO	0.9341	1.000	34.21	1.001	207	103	0.219	207
14	1.2.3.7.8-HxCDF	1.60e6	1.20	NO	0.8757	1.000	35.42	1.001	205	104	0.213	205
15	1.2.3.4.8.7.8-HxCDF	1.43e6	0.96	NO	0.8734	1.000	37.35	1.000	213	106	0.213	213
16	1.2.3.4.7.8.9-HxCDF	1.13e6	0.93	NO	1.0120	1.000	39.33	1.000	214	107	0.227	214
17	OCDF	2.54e6	0.87	NO	0.8855	1.000	41.96	1.000	402	100	0.171	402
18	1.3C-2.1.7.5-TCDD	1.56e6	0.79	NO	1.1563	1.000	26.54	1.025	102	101	0.164	
19	1.3C-1.2.3.7.8-PeCDD	0.11e6	0.84	NO	0.8496	1.000	31.50	1.216	103	103	0.130	
20	1.3C-1.2.3.4.7.8-HxCDD	7.89e6	1.20	NO	0.7790	1.000	34.96	1.214	103	103	0.172	
21	1.3C-1.2.3.6.7.8-HxCDD	1.03e6	1.25	NO	1.0187	1.000	34.96	1.017	104	104	0.121	

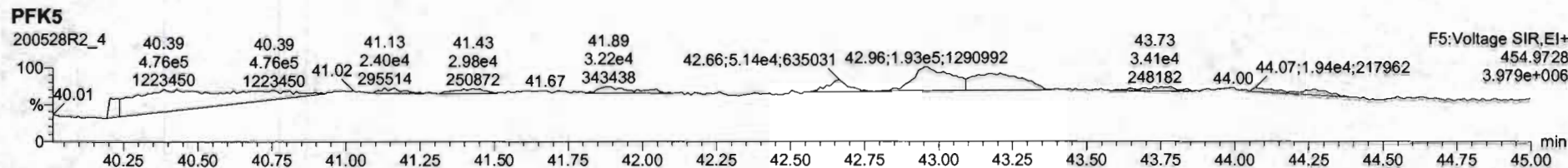
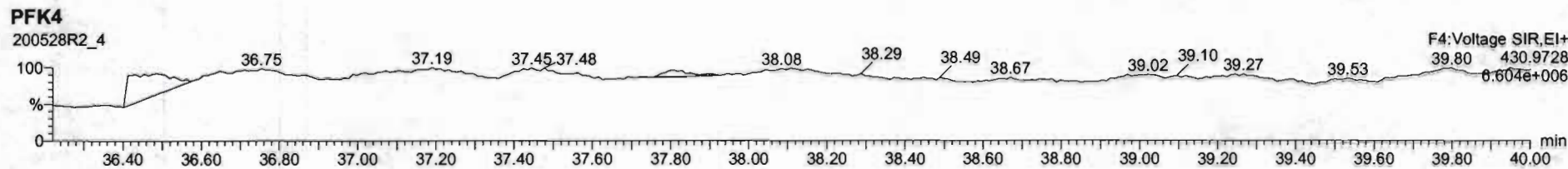
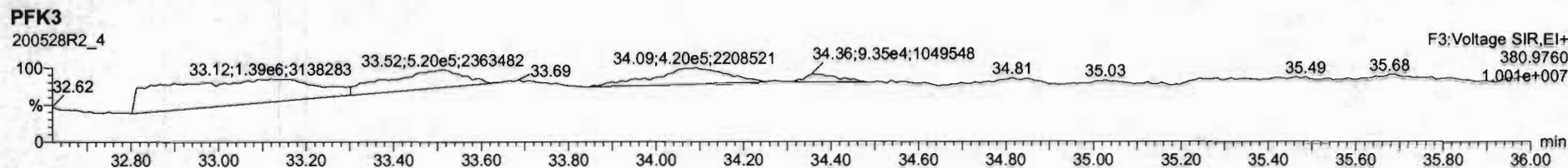
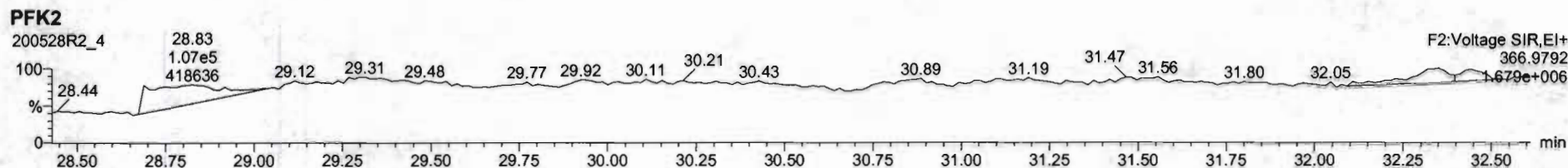
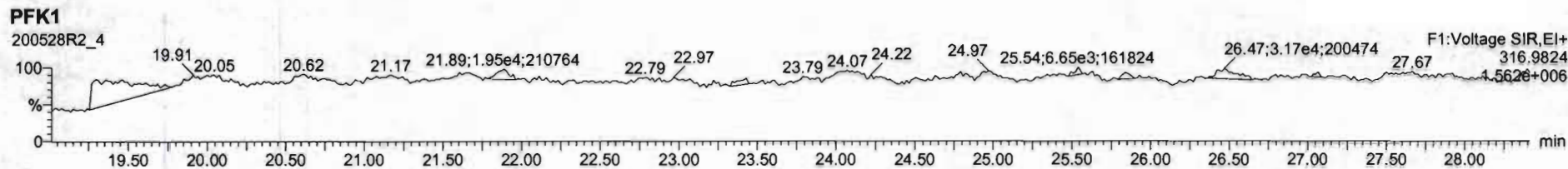


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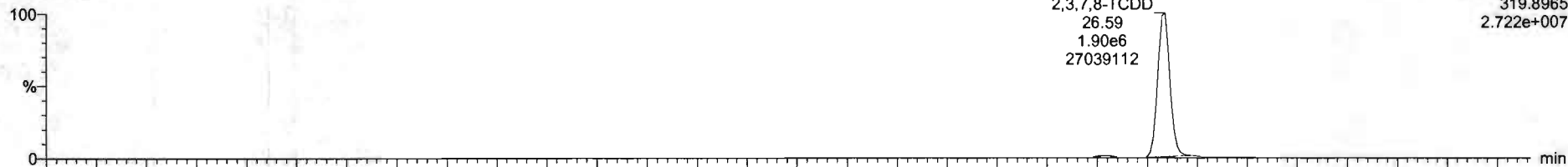
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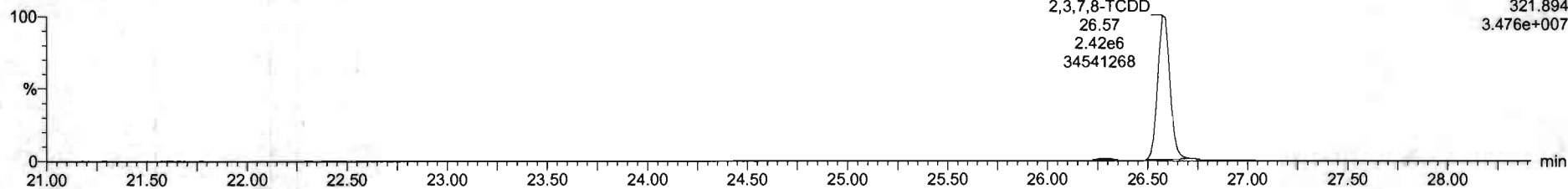
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2,3,7,8-TCDD

200528R2_5

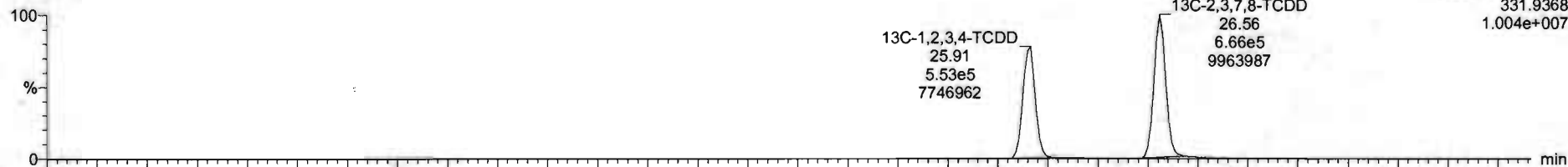


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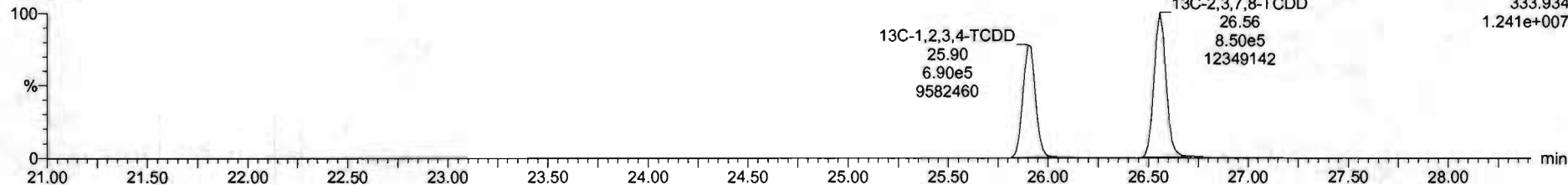


13C-2,3,7,8-TCDD

200528R2_5



200528R2_5



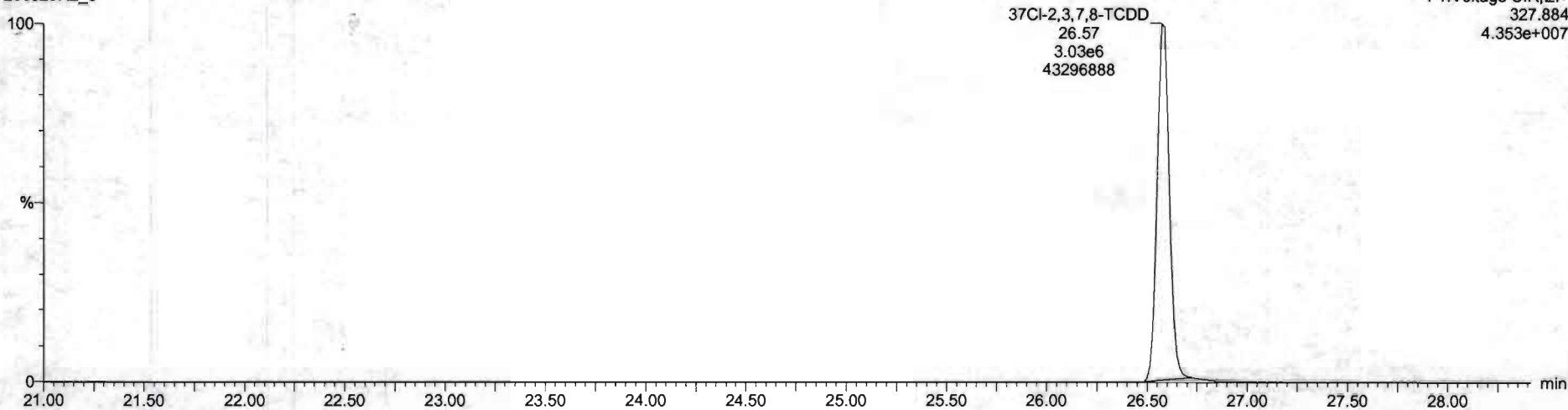
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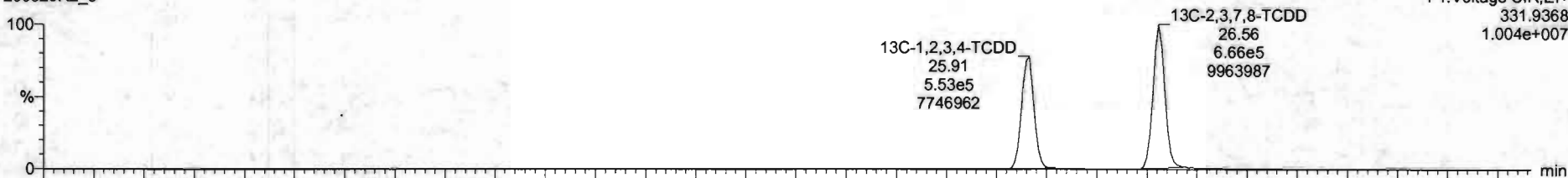
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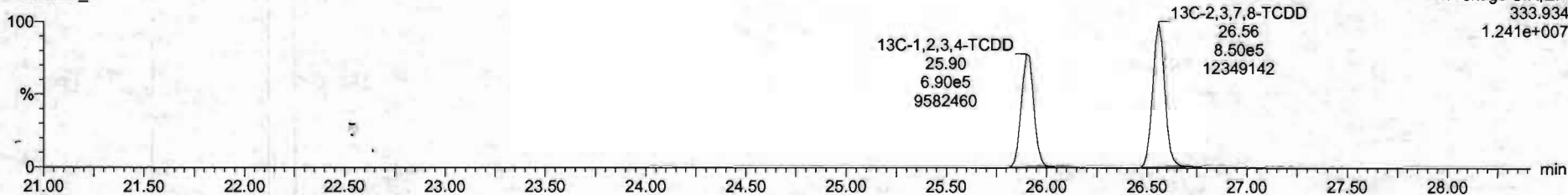


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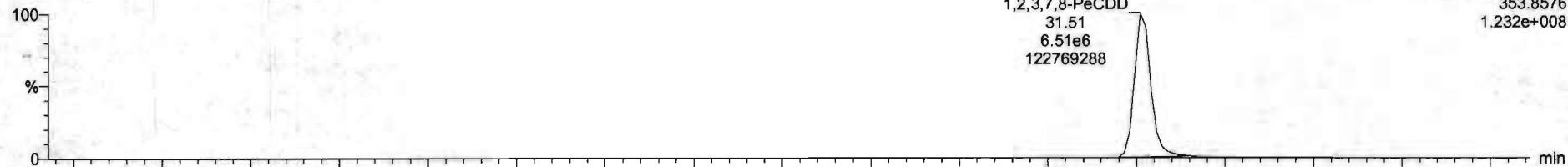
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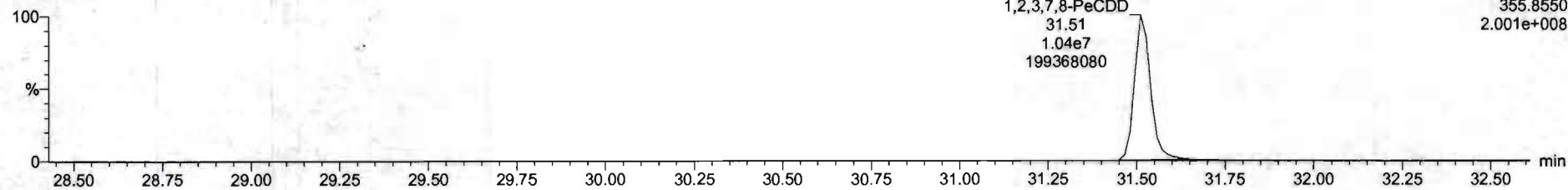
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1,2,3,7,8-PeCDD

200528R2_5

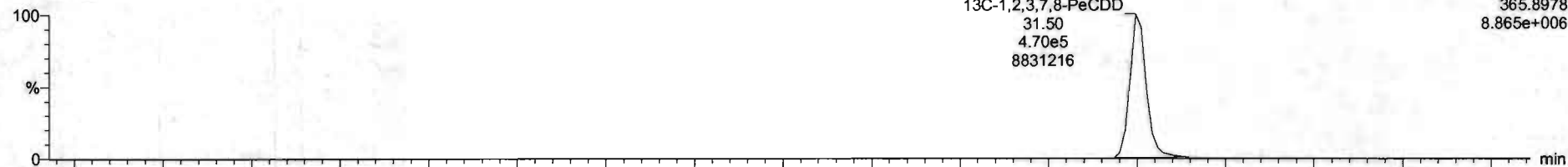


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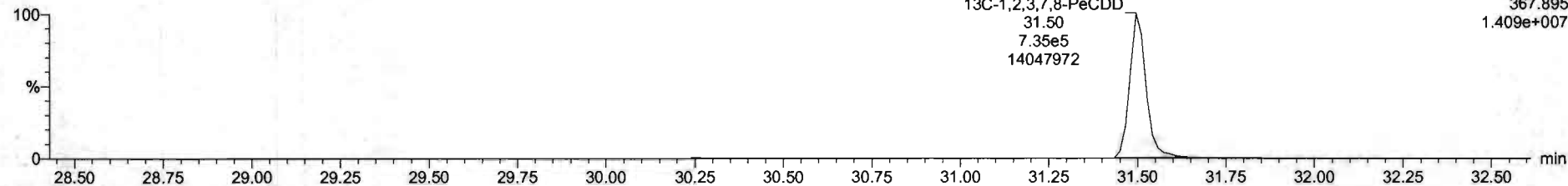


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200528R2_5



200528R2_5



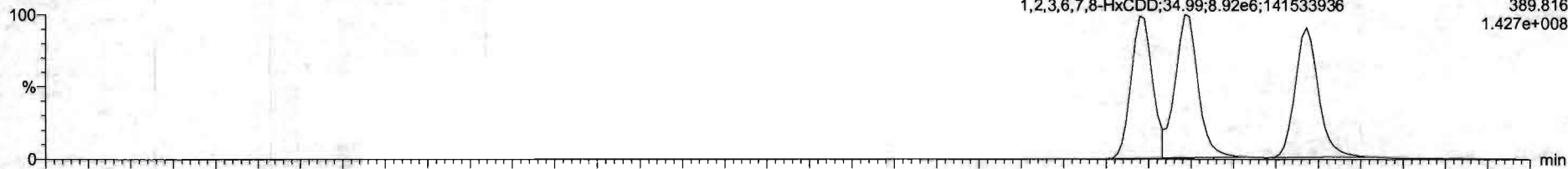
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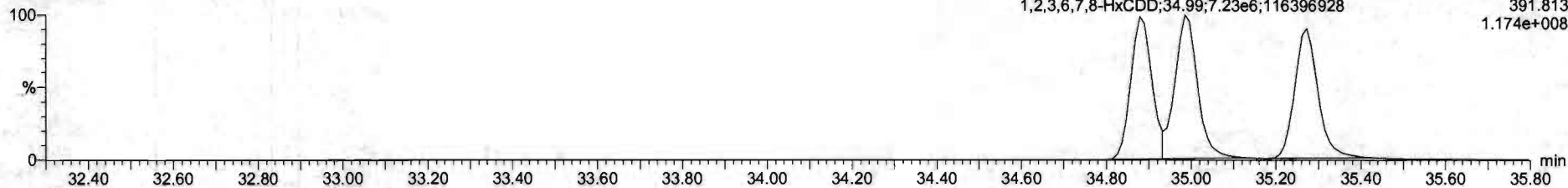
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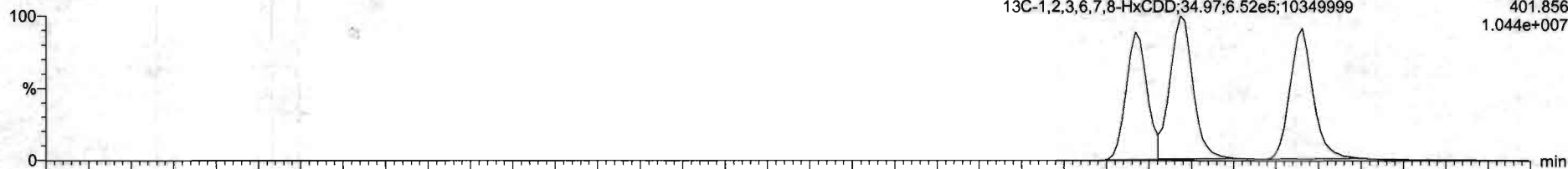


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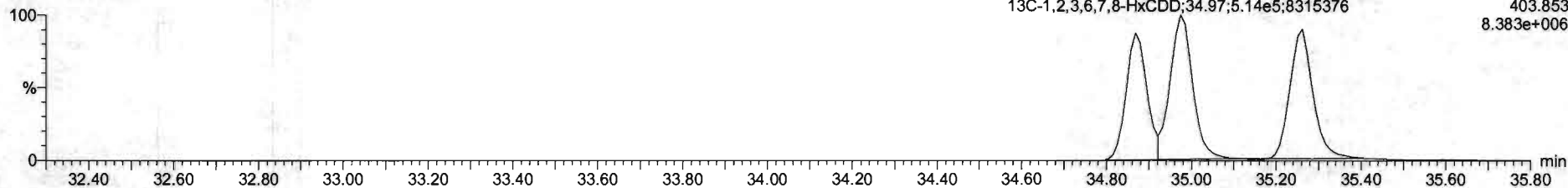


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200528R2_5



200528R2_5



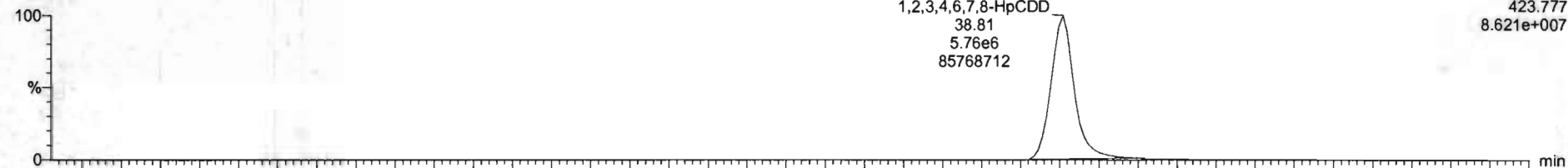
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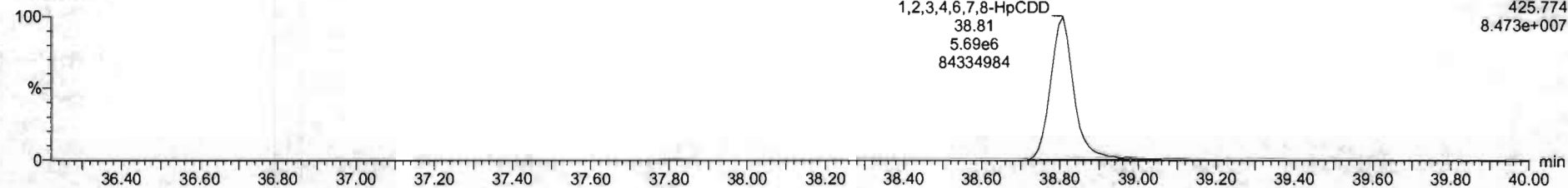
1,2,3,4,6,7,8-HpCDD

200528R2_5



F4:Voltage SIR,EI+
423.777
8.621e+007

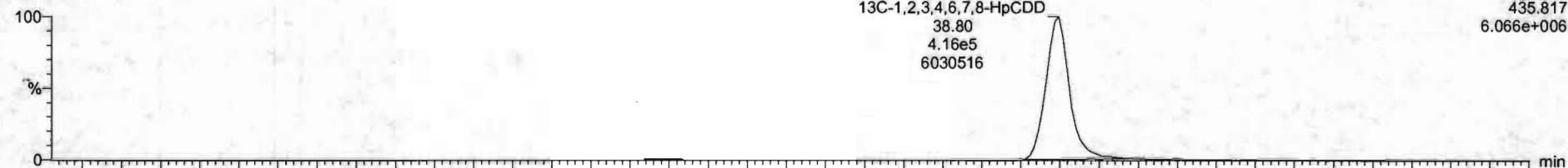
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8.473e+007

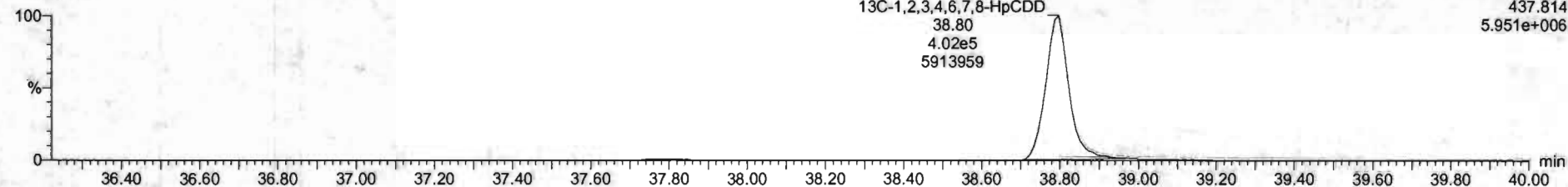
13C-1,2,3,4,6,7,8-HpCDD

200528R2_5



F4:Voltage SIR,EI+
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6.066e+006

200528R2_5



F4:Voltage SIR,EI+
437.814
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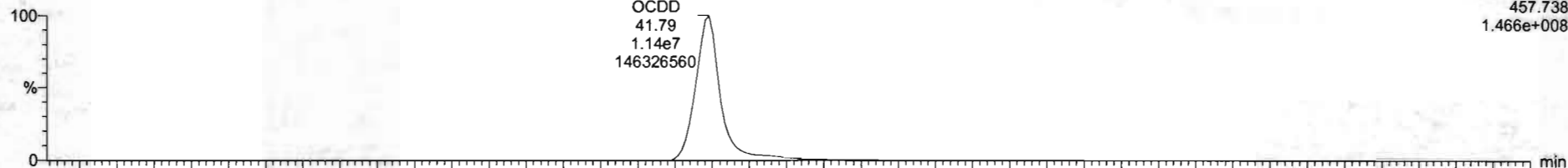
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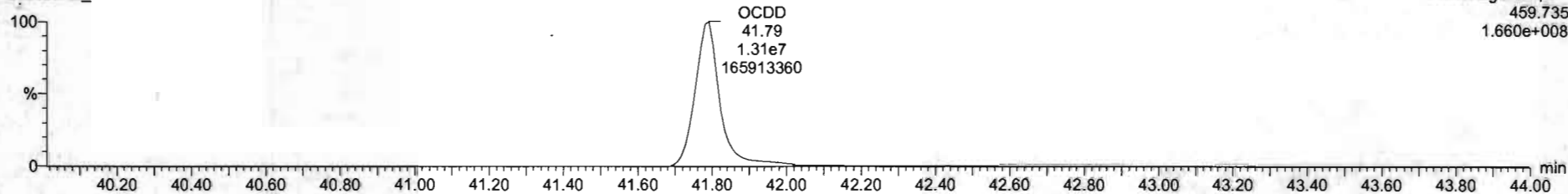
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OCDD

200528R2_5

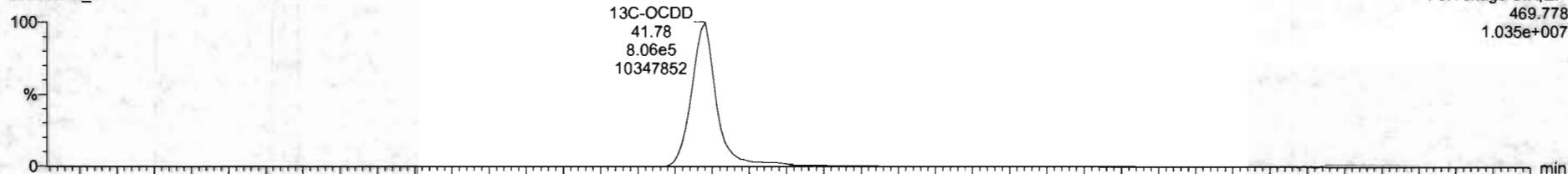


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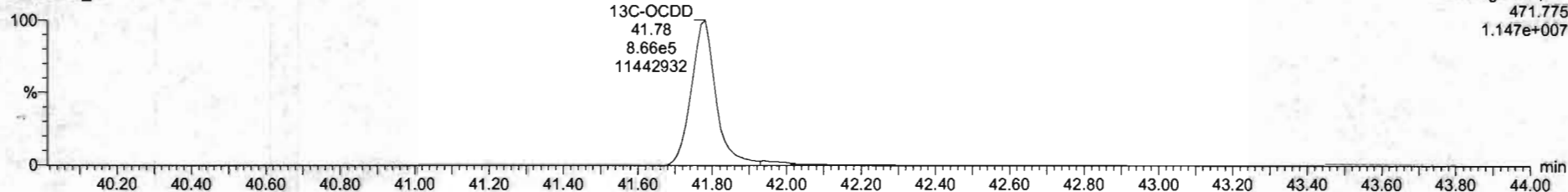


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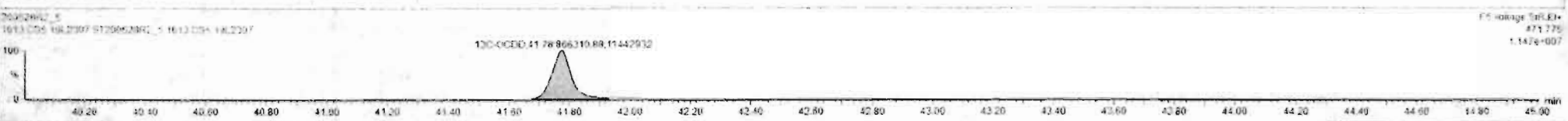
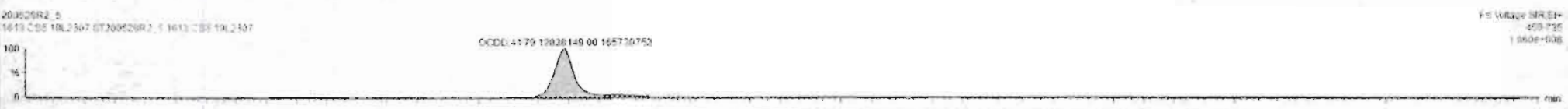
200528R2_5



200528R2_5



N	Name	Resp	RA	RF	RRF	IntVol	IT	IRT	Comp	%Rec	DL	ENPL
1	2.3.7.8-TCD0	4.52e7	0.76	NO	0.6883	1.000	26.95	1.001	321	107	0.0511	321
2	1.2.3.7.8-FluCD0	1.58e7	0.63	NO	0.9051	1.000	31.61	1.000	1550	103	0.124	1550
3	1.2.3.4.7.8-HrCD0	1.47e7	1.23	NO	1.0234	1.000	34.08	1.000	1520	101	0.130	1520
4	1.2.3.8.7.8-HrCD0	1.41e7	1.23	NO	0.9523	1.000	34.99	1.000	1550	103	0.142	1550
5	1.2.3.7.8.9-HrCD0	1.47e7	1.23	NO	0.9265	1.000	35.27	1.000	1570	104	0.107	1570
6	1.2.3.4.6.7.8-HrCD0	1.15e7	1.01	NO	0.8638	1.000	36.61	1.000	1620	105	0.161	1620
7	OCDD	2.37e8	6.84	NO	0.9138	1.000	41.78	1.000	3100	103	0.379	3100
8	2.3.7.6-TCD0	0.00e0	0.75	NO	0.7510	1.000	45.65	1.001	320	105	0.0600	320
9	1.2.3.7.8-FluCDF	2.38e7	1.54	NO	0.8925	1.000	40.23	1.000	1570	101	0.234	1570
10	2.3.4.7.8-FluCDF	0.40e7	1.53	NO	0.9348	1.000	41.21	1.000	1550	101	0.213	1550
11	1.2.3.4.7.8-HrCDF	1.61e7	1.19	NO	0.8644	1.000	44.01	1.000	1590	106	0.103	1590
12	1.2.3.6.7.8-HrCDF	1.56e7	1.19	NO	0.8092	1.000	44.72	1.000	1530	101	0.0927	1530
13	2.3.4.6.7.8-HrCDF	1.72e7	1.19	NO	0.9341	1.000	44.72	1.001	1560	104	0.152	1560
14	1.2.3.7.8.9-HrCDF	1.49e7	1.28	NO	0.6707	1.000	45.63	1.000	1560	106	0.143	1560
15	1.2.3.4.6.7.8-HrCDF	1.28e7	1.09	NO	0.8734	1.000	47.40	1.000	1560	104	0.303	1560
16	1.2.3.4.7.8.9-HrCDF	1.05e7	1.00	NO	1.0172	1.000	48.34	1.000	1620	103	0.215	1620
17	OCDF	2.38e7	6.05	NO	0.8085	1.000	41.95	1.000	3090	101	0.250	3090
18	13C-2.3.7.8-TCD0	1.52e8	0.76	NO	1.1583	1.000	26.96	1.026	100	106	0.0720	
19	13C-1.2.3.7.8-FluCD0	1.27e8	0.64	NO	0.8499	1.000	31.58	1.215	114	114	0.130	
20	13C-1.2.3.4.7.8-HrCD0	6.34e8	1.28	NO	0.7750	1.000	34.97	1.014	110	110	0.191	
21	13C-1.2.3.6.7.8-HrCD0	1.17e8	1.27	NO	1.0167	1.000	34.97	1.017	113	113	0.146	



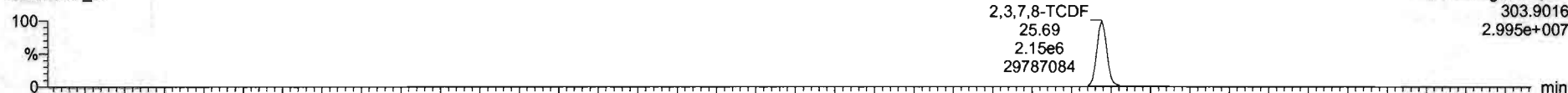
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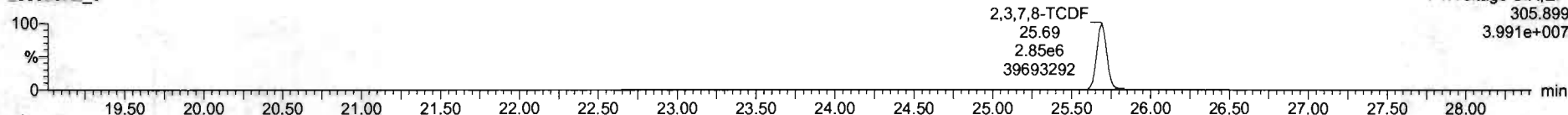
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2,3,7,8-TCDF

200528R2_5

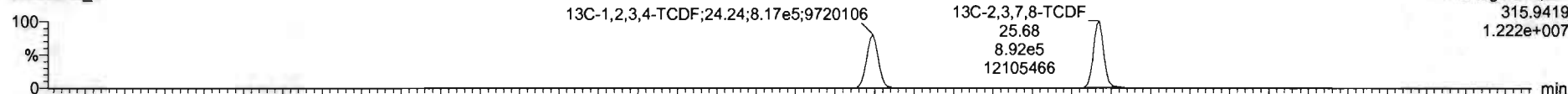


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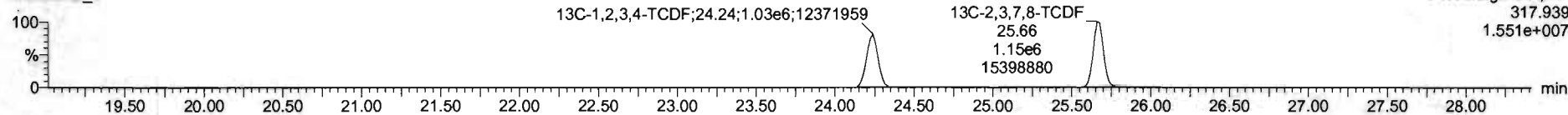


13C-2,3,7,8-TCDF

200528R2_5

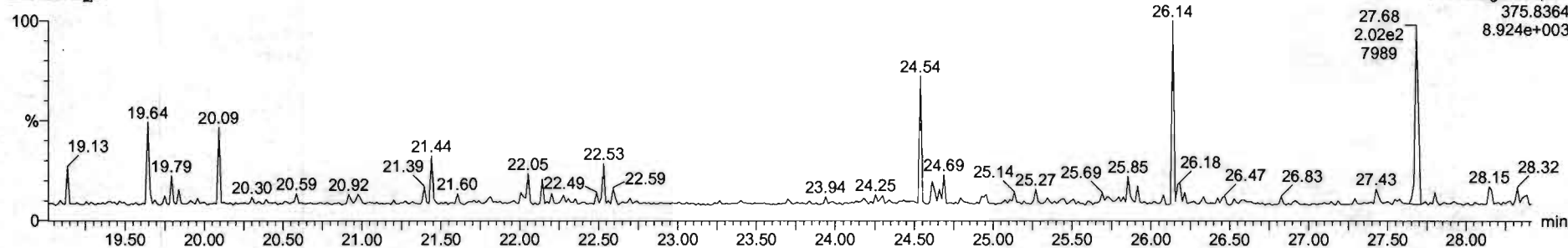


200528R2_5



DPE1

200528R2_5



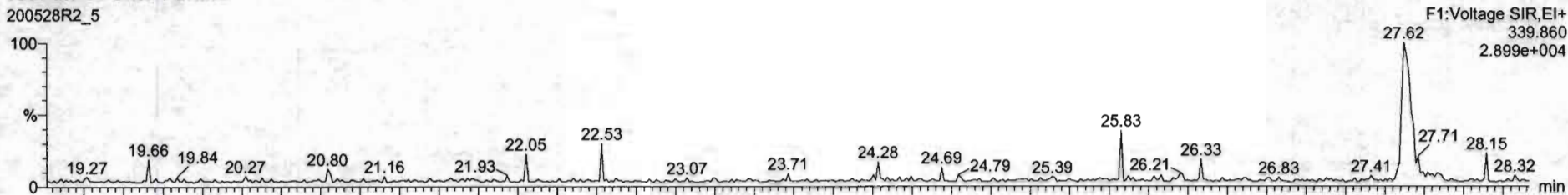
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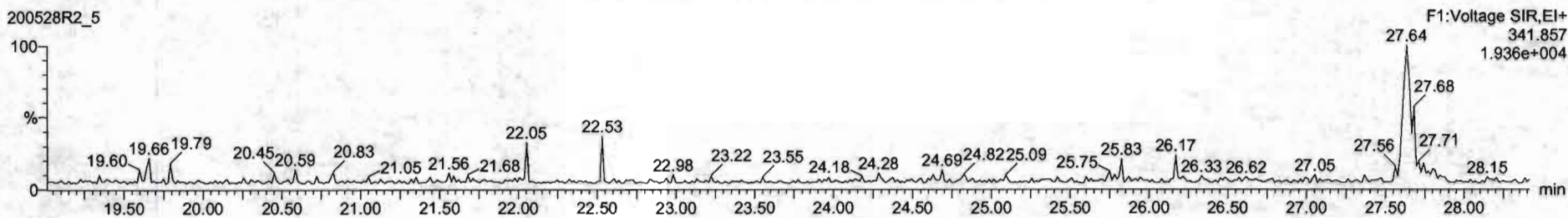
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200528R2_5

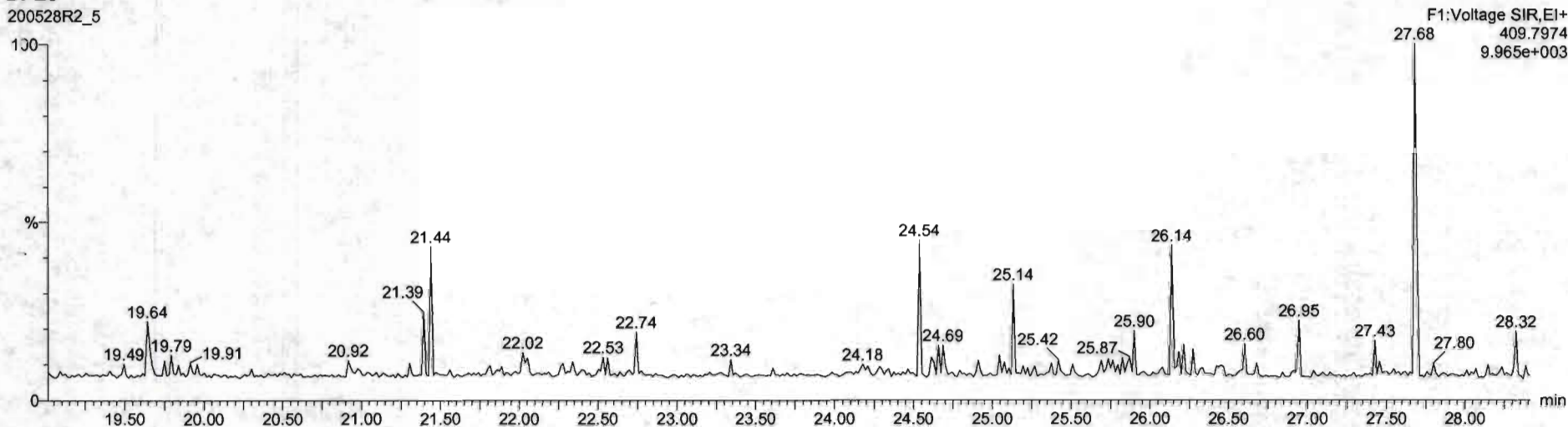


200528R2_5



DPE6

200528R2_5



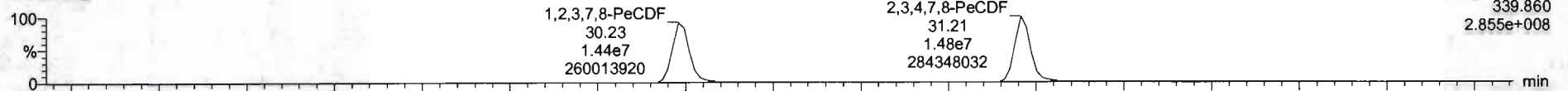
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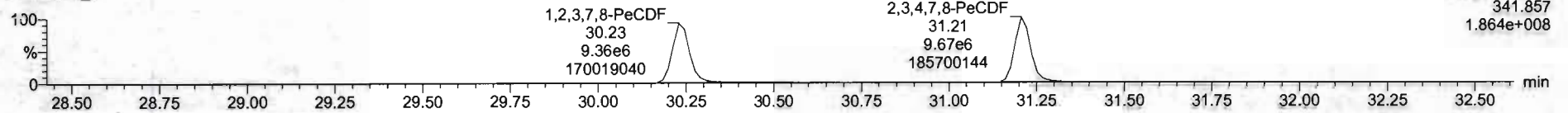
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1,2,3,7,8-PeCDF

200528R2_5

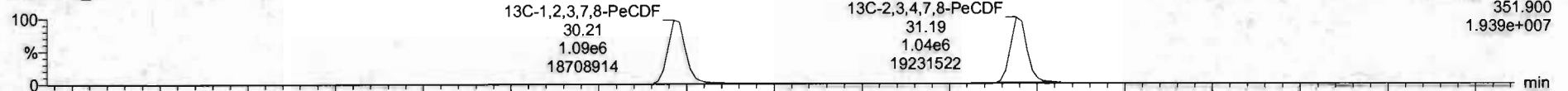


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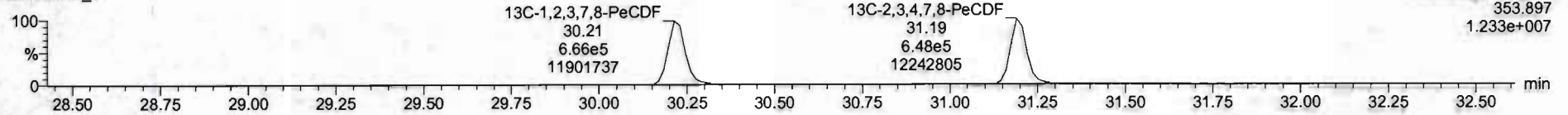


13C-1,2,3,7,8-PeCDF

200528R2_5

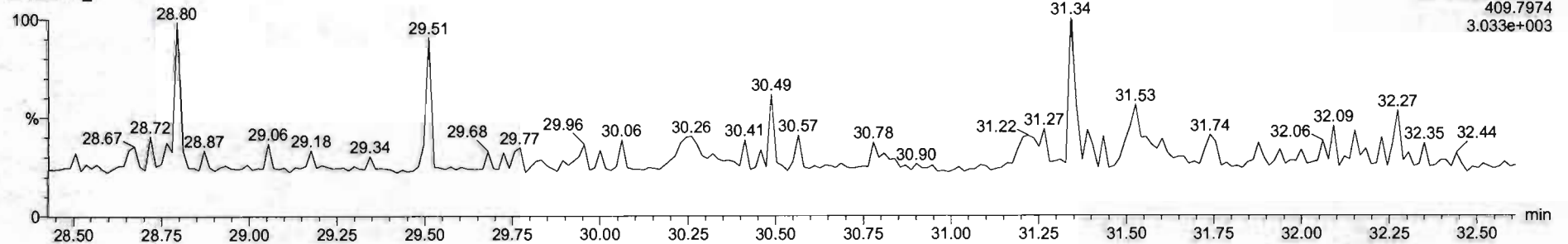


200528R2_5



DPE2

200528R2_5



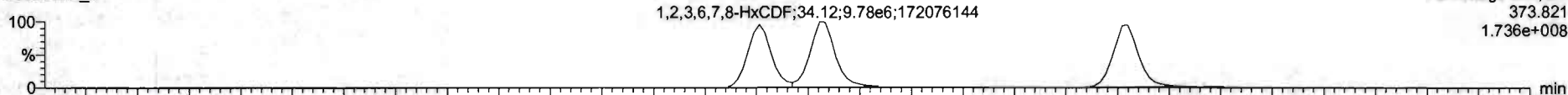
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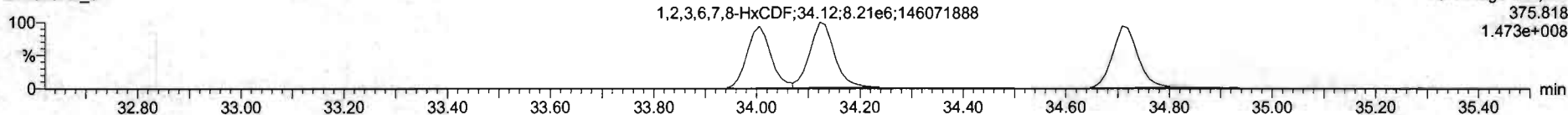
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1,2,3,4,7,8-HxCDF

200528R2_5

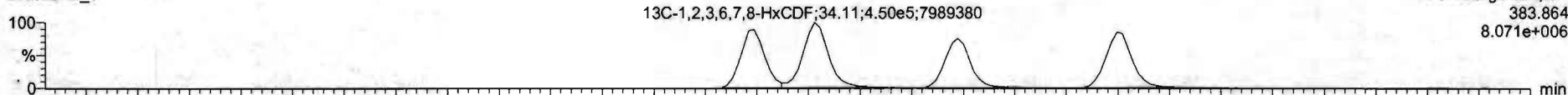


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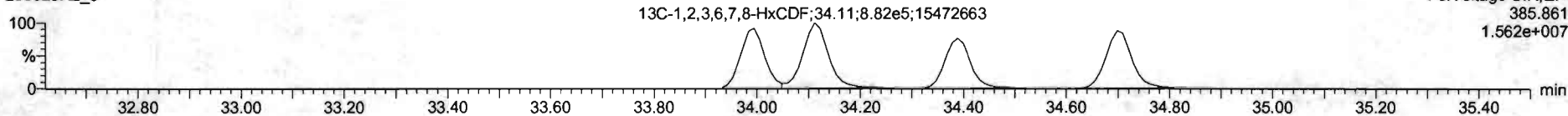


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200528R2_5

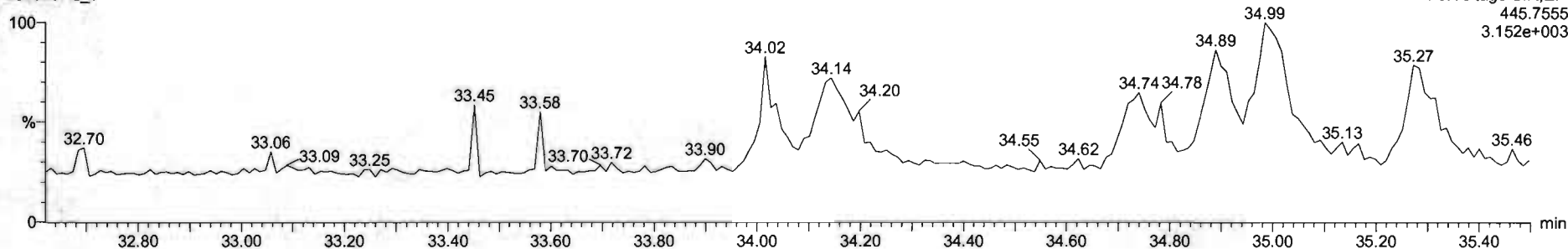


200528R2_5



DPE3

200528R2_5



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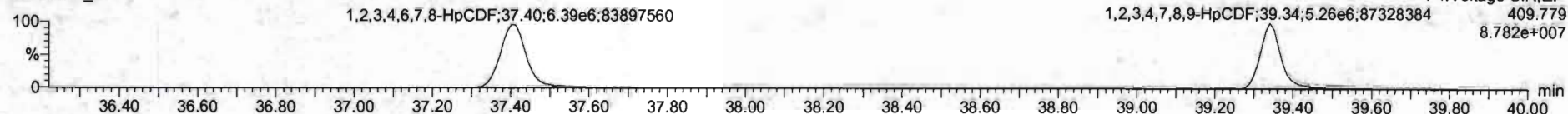
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1,2,3,4,6,7,8-HpCDF

200528R2_5

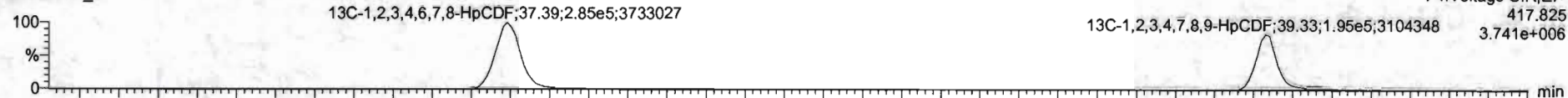


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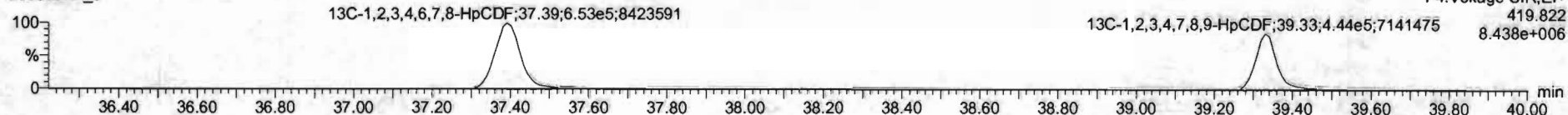


13C-1,2,3,4,6,7,8-HpCDF

200528R2_5

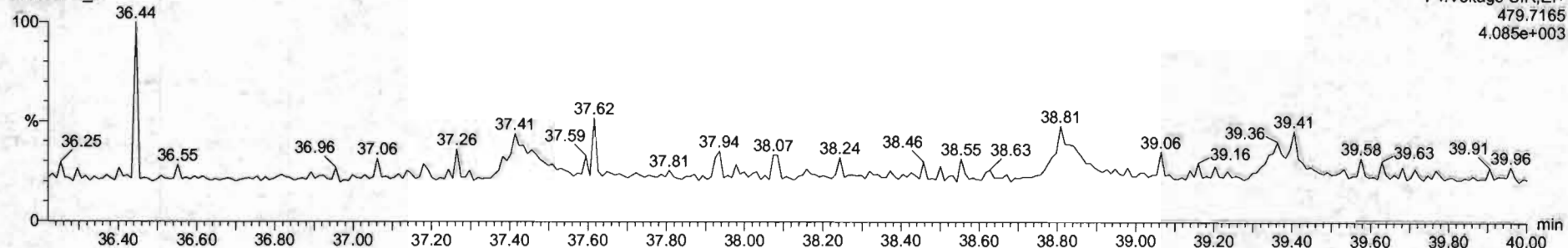


200528R2_5



DPE4

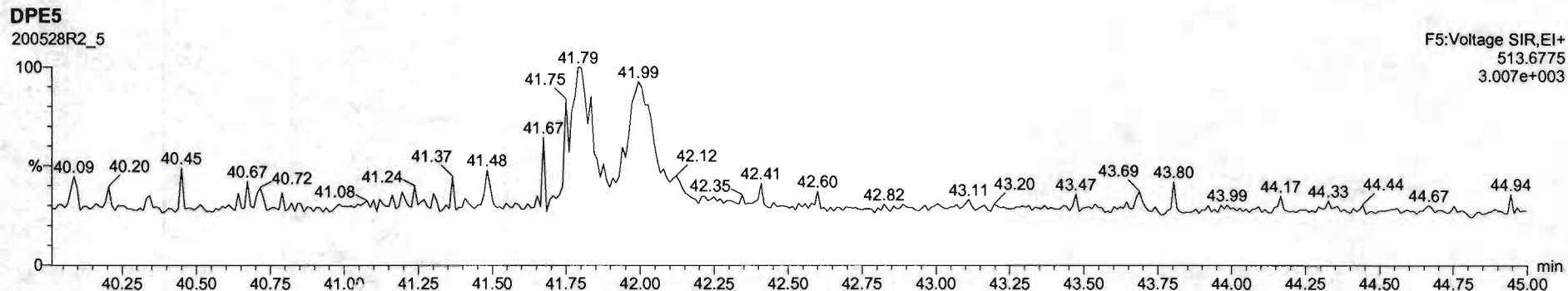
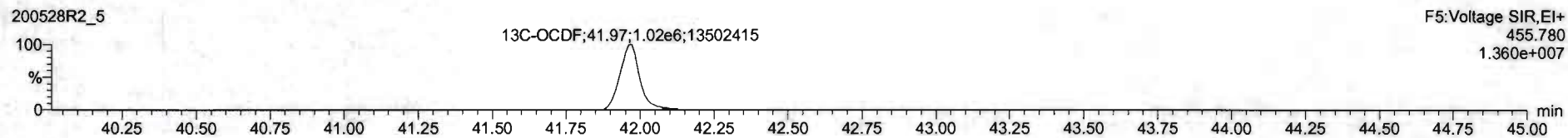
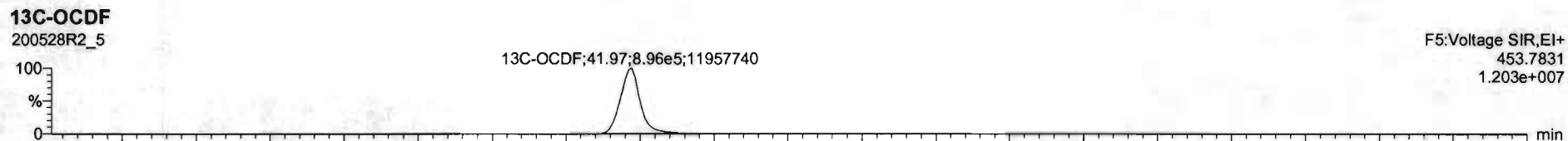
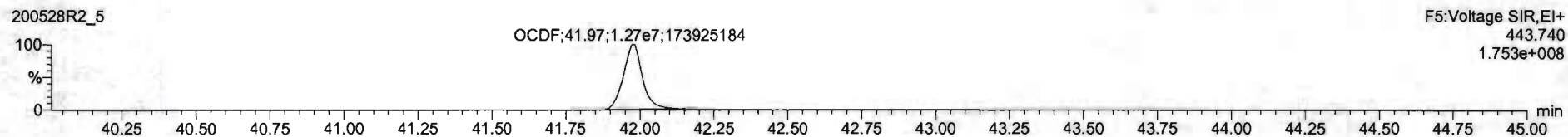
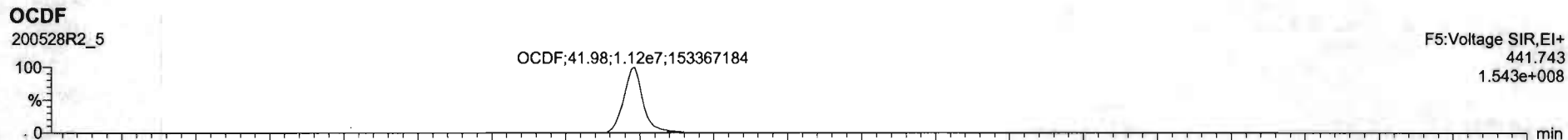
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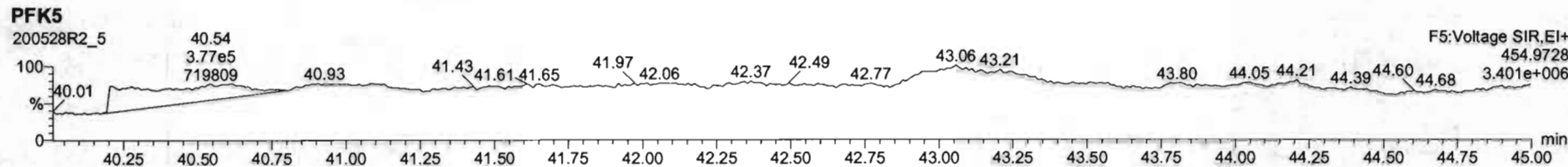
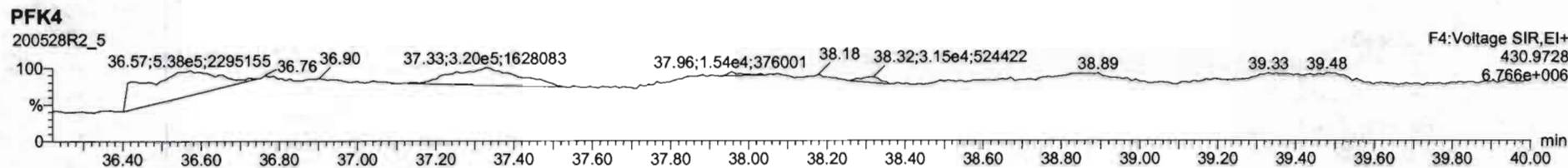
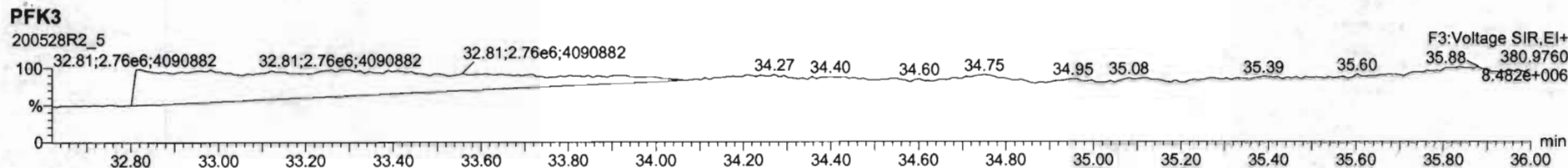
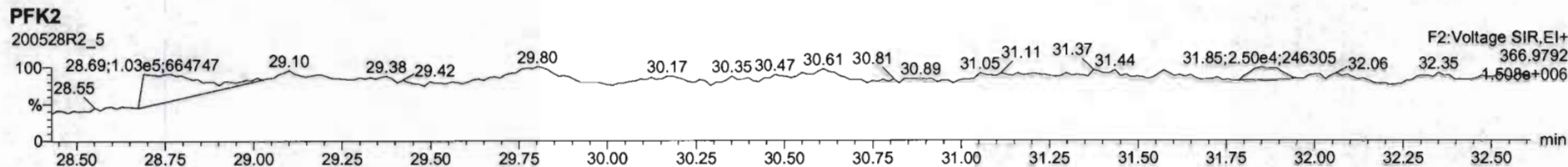
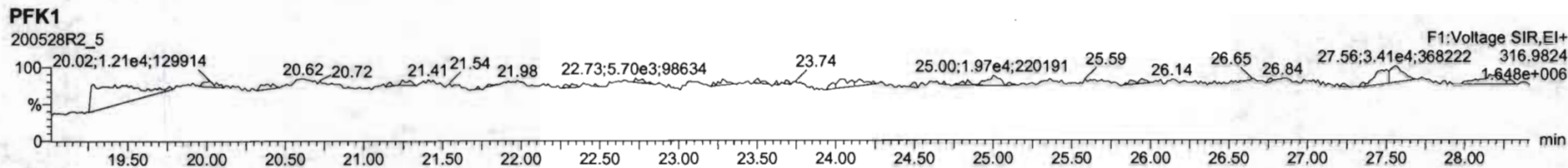
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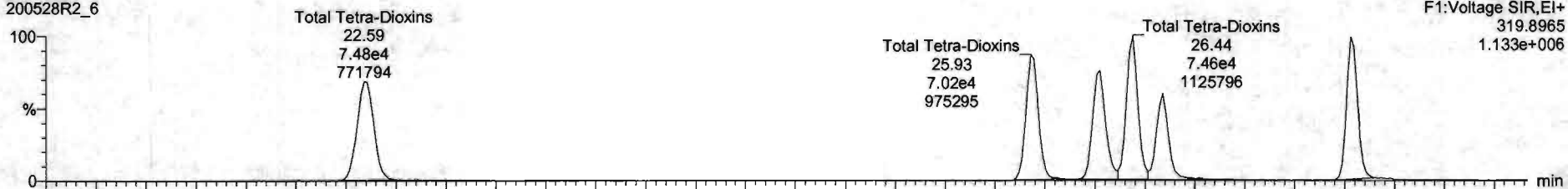
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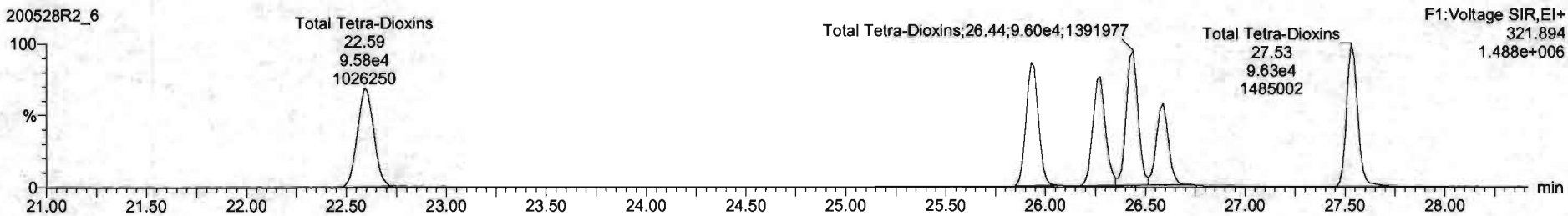
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2,3,7,8-TCDD

200528R2_6



200528R2_6

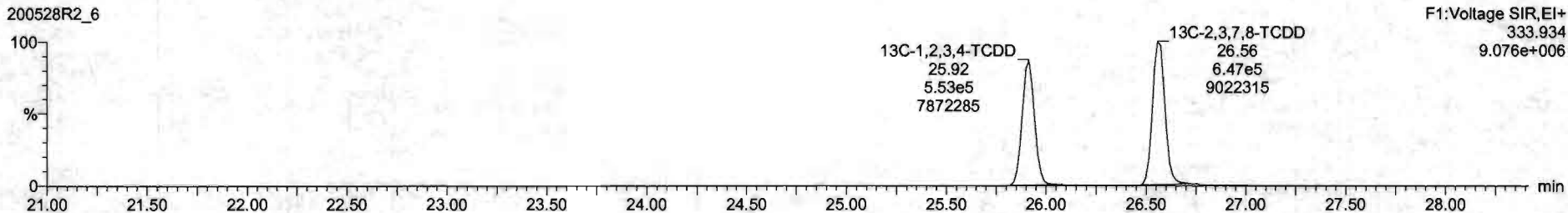


13C-2,3,7,8-TCDD

200528R2_6



200528R2_6



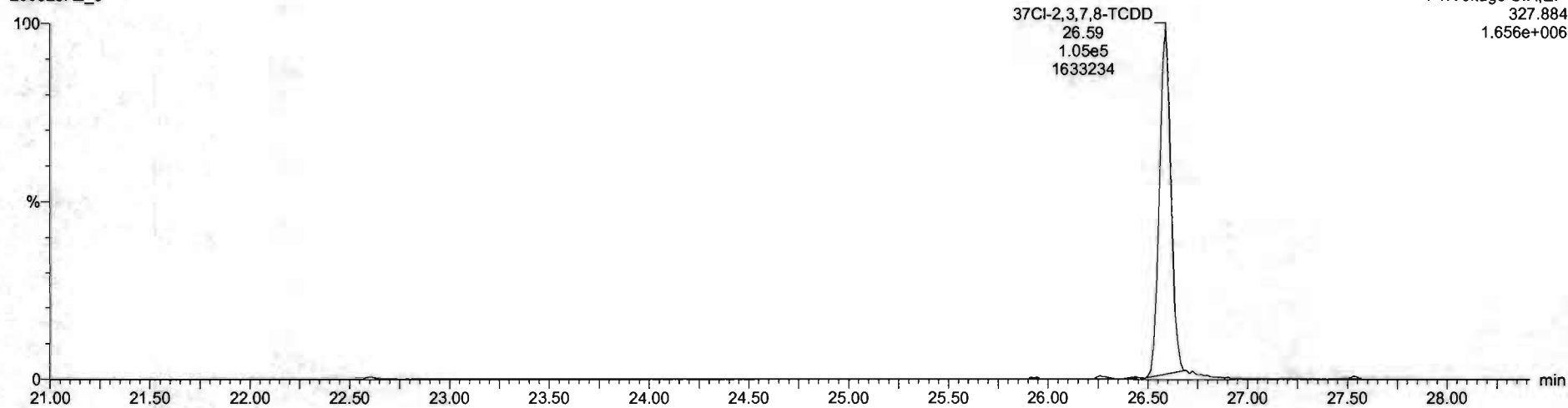
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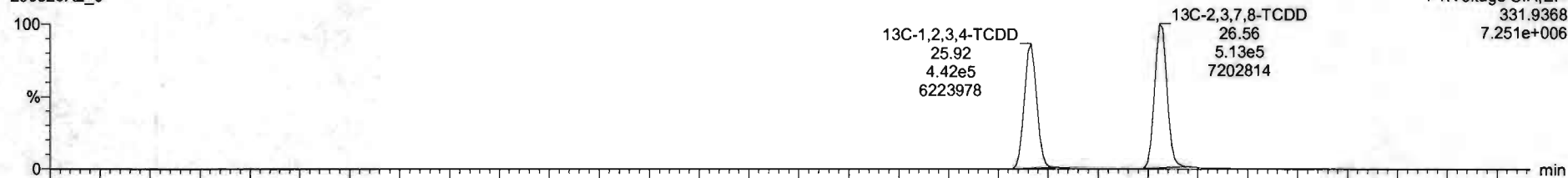
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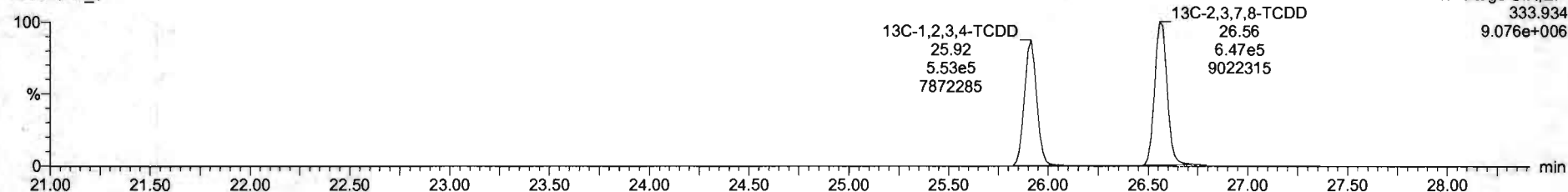


13C-1,2,3,4-TCDD

200528R2_6



200528R2_6



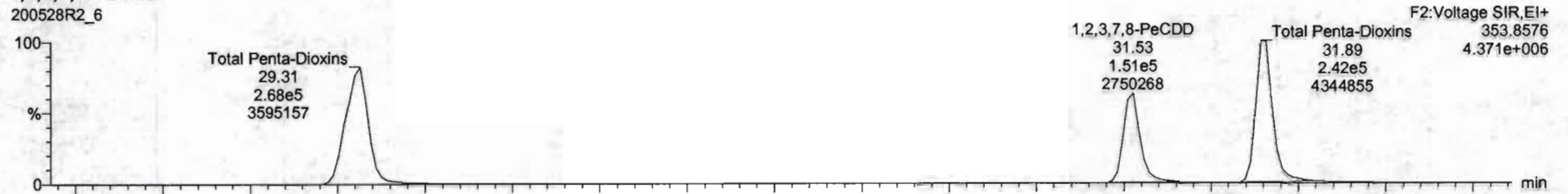
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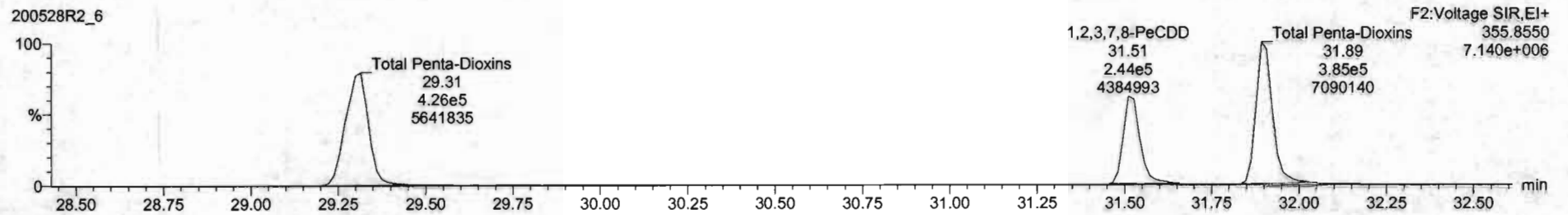
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1,2,3,7,8-PeCDD

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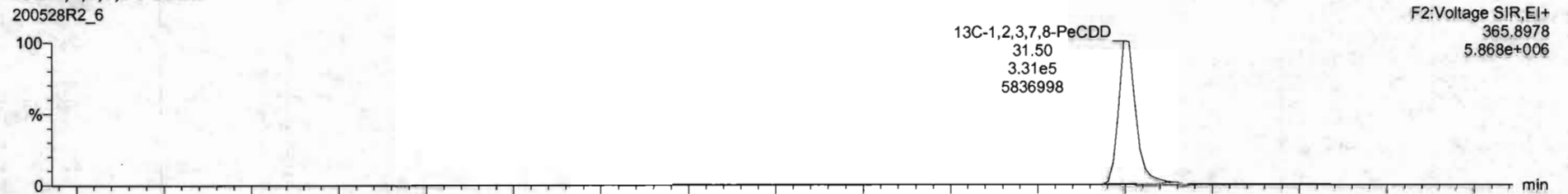


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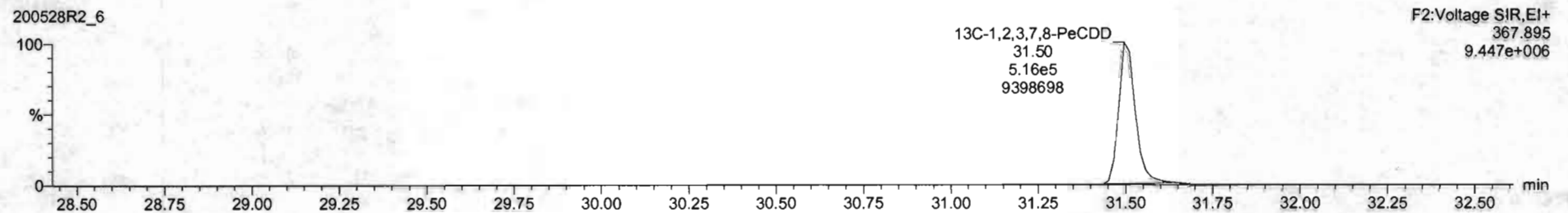


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200528R2_6



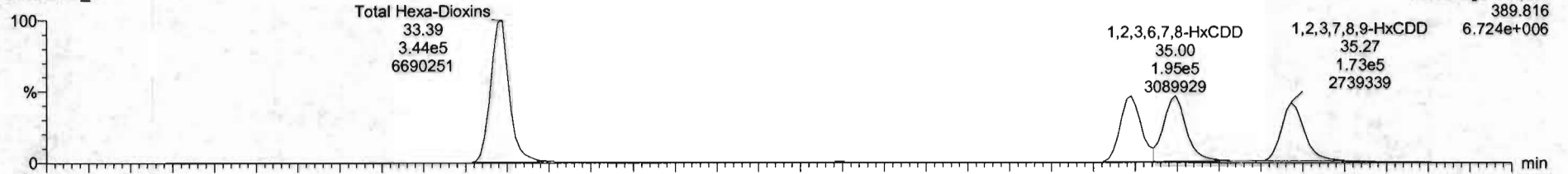
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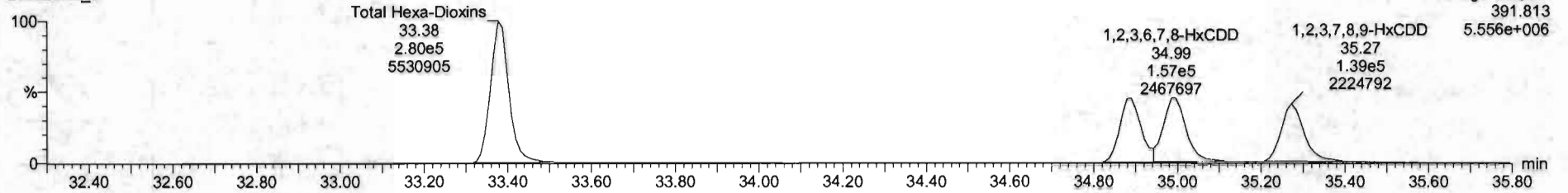
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1,2,3,4,7,8-HxCDD

200528R2_6

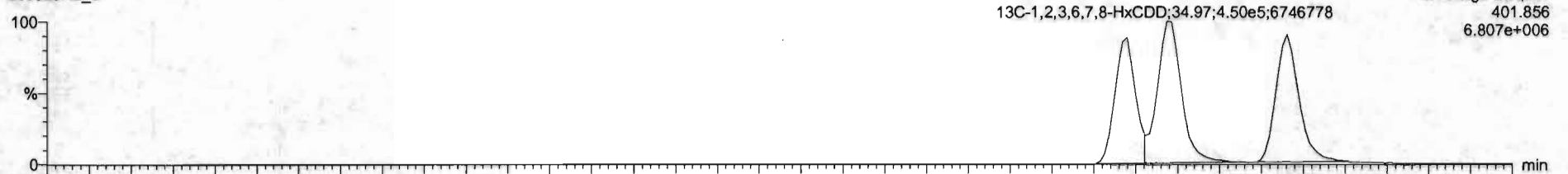


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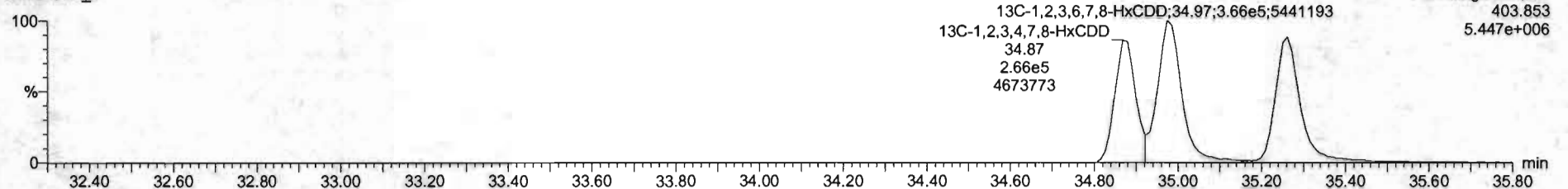


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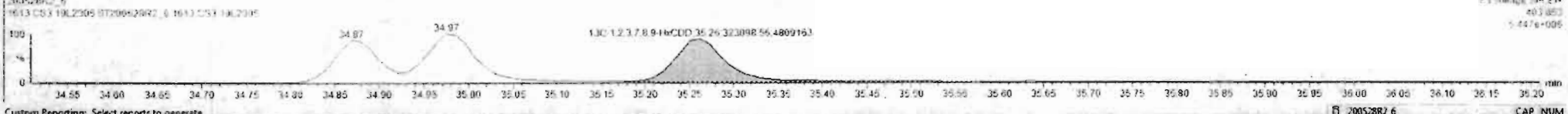
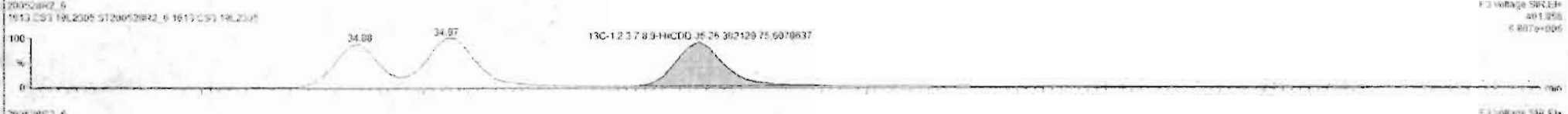
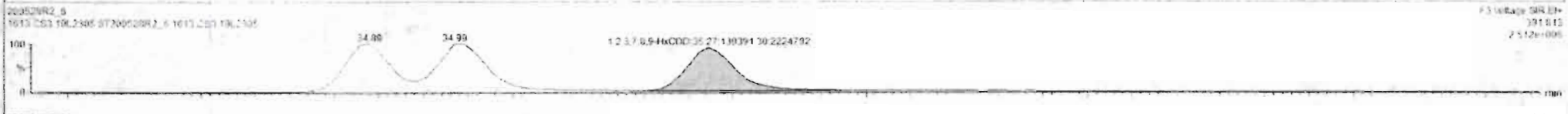
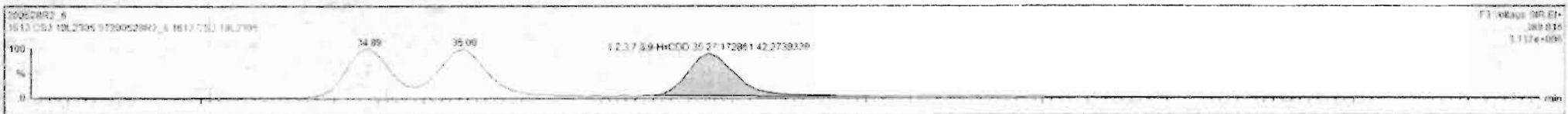
200528R2_6



200528R2_6



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2	1,2,3,7,8-PeCDD	3.96e5	0.82	NO	0.9041	1.000	31.43	1.001	51.3	103	2.19e	51.3
3	1,2,3,4,7,8-HxCDD	7.25e5	1.22	NO	1.6334	1.000	34.89	1.000	52.1	104	0.220	52.1
4	1,2,3,6,7,8-HxCDD	3.51e5	1.24	NO	0.8921	1.000	34.20	1.001	48.3	96.8	0.271	48.3
5	1,2,3,7,8,9-HxCDD	3.12e5	1.24	NO	0.6669	1.000	35.27	1.000	49.9	99.8	0.254	49.9
6	1,2,3,4,6,7,8-HxCDD	2.29e5	1.02	NO	0.9618	1.000	30.81	1.000	51.2	102	2.209	51.2
7	CDDX	4.53e5	0.98	NO	0.9136	1.000	41.78	1.000	102	102	0.206	102
8	2,3,7,8-TCDF	1.19e5	0.74	NO	0.7510	1.000	25.69	1.001	9.90	99.8	0.0613	9.90
9	1,2,3,7,8-PeCDF	5.72e5	1.57	NO	0.8905	1.000	30.25	1.000	51.2	102	0.130	51.2
10	1,2,3,7,8-PeCDF	4.81e5	1.57	NO	0.9348	1.000	31.22	1.000	49.3	101	0.130	49.3
11	1,2,3,4,7,8-HxCDF	3.98e5	1.21	NO	0.9548	1.000	34.07	1.000	51.1	102	0.191	51.1
12	1,2,3,6,7,8-HxCDF	4.22e5	1.25	NO	0.8022	1.000	34.13	1.000	51.9	104	0.179	51.9
13	1,2,3,4,6,7,8-HxCDF	3.88e5	1.25	NO	0.9341	1.000	34.72	1.000	51.9	104	0.197	51.9
14	1,2,3,7,8,9-HxCDF	2.98e5	1.22	NO	0.8767	1.000	35.63	1.000	51.1	102	0.201	51.1
15	1,2,3,4,6,7,8-HpCDF	2.84e5	0.98	NO	0.8734	1.000	37.41	1.001	51.4	103	0.221	51.4
16	1,2,3,4,7,8,9-HpCDF	2.00e5	0.80	NO	1.0123	1.000	38.34	1.000	52.7	105	0.258	52.7
17	CDFX	4.44e5	0.86	NO	0.8045	1.000	41.97	1.000	102	102	0.161	102
18	1,2,3,7,8,9-TCDF	1.16e5	0.79	NO	1.1503	1.000	28.96	1.025	101	101	0.0990	
19	1,3C-1,2,3,7,8-PeCDD	8.48e5	0.84	NO	0.8450	1.000	31.60	1.215	100	100	0.225	
20	1,3C-1,2,3,4,7,8-PeCDD	8.04e5	1.27	NO	0.7790	1.000	34.88	1.014	98.9	98.9	0.188	
21	1,3C-1,2,3,6,7,8-PeCDD	8.19e5	1.23	NO	1.0187	1.000	34.97	1.017	102	102	0.144	



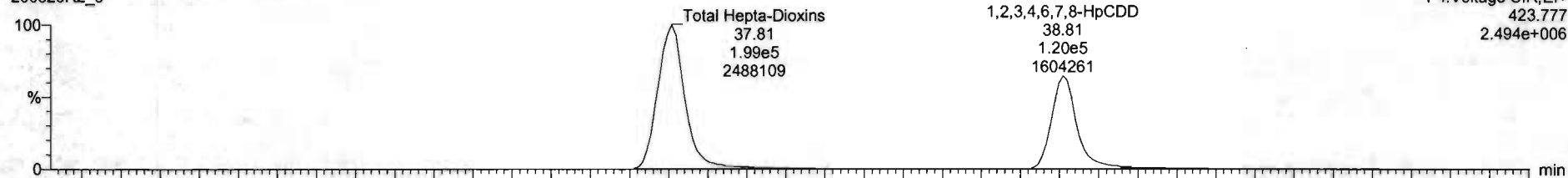
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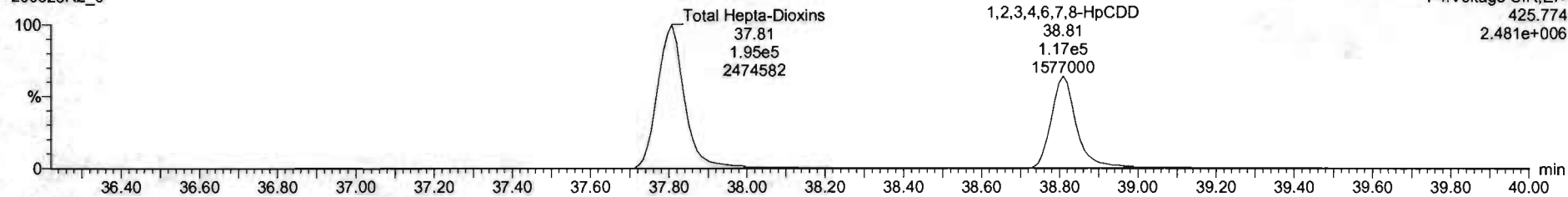
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200528R2_6



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2.494e+006

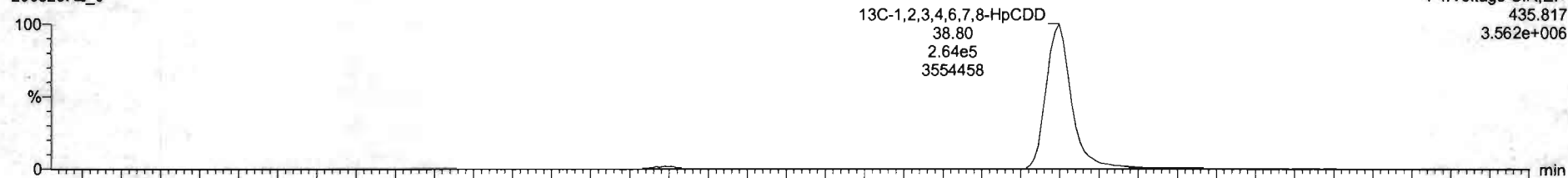
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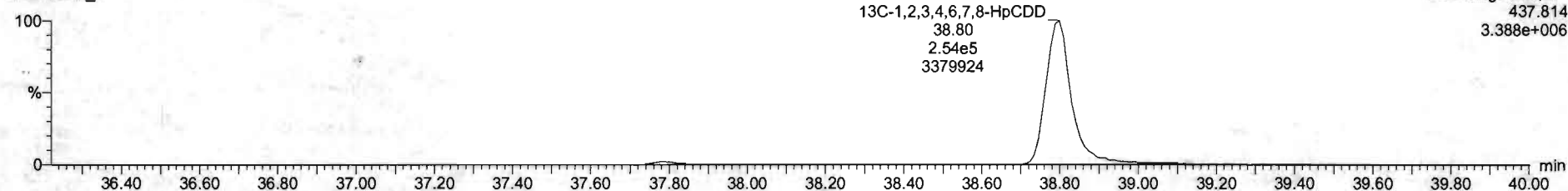
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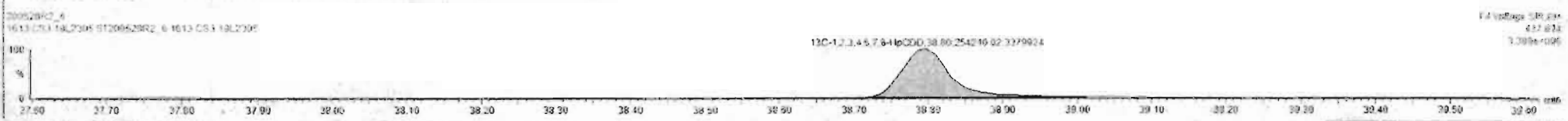
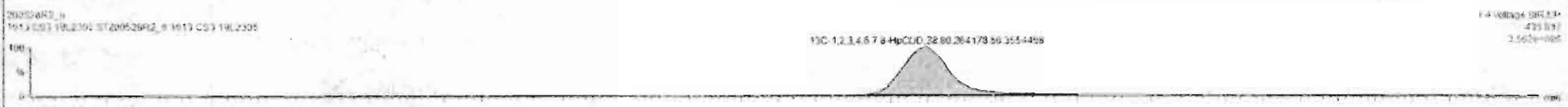
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3.562e+006

200528R2_6



F4: Voltage SIR, EI+
437.814
3.388e+006

#	Name	Resp	RA	inj	RRF	wtvol	HT	RR1	Conc	%Rec	DL	EMPC
1	1,2,3,4,5-HpCDD	1.96e5	0.81	NO	0.880	1.000	26.19	1.001	10.2	102	0.0664	10.0
2	1,2,3,4,6,7,8-HpCDD	3.95e5	0.82	NO	0.901	1.000	31.53	1.001	51.3	102	0.195	51.3
3	1,2,3,4,7,8-HpCDD	3.25e5	1.23	NO	1.034	1.000	34.89	1.006	52.1	104	0.255	52.1
4	1,2,3,4,7,8-HxCDD	3.51e5	1.24	NO	0.897	1.000	35.35	1.001	48.2	96.4	0.251	48.2
5	1,2,3,4,7,8,9-HxCDD	3.12e5	1.24	NO	1.525	1.000	35.27	1.000	49.9	99.8	0.254	49.9
6	1,2,3,4,6,7,8-HxCDD	3.95e5	1.03	NO	0.899	1.000	35.81	1.000	51.3	102	0.259	51.2
7	OCDF	4.53e5	0.98	NO	0.916	1.000	41.75	1.000	102	102	0.208	102
8	1,2,3,4,6,7,8-HxCDF	1.19e5	0.74	NO	0.710	1.000	25.69	1.001	9.90	99.8	0.0613	9.90
9	1,2,3,4,7,8-HpCDF	5.72e5	1.57	NO	0.895	1.000	30.25	1.000	51.0	102	0.150	51.0
10	1,2,3,4,7,8-HxCDF	5.81e5	1.57	NO	0.938	1.000	31.22	1.000	50.3	101	0.150	50.3
11	1,2,3,4,7,8,9-HxCDF	5.58e5	1.21	NO	0.854	1.000	34.31	1.000	51.1	102	0.151	51.1
12	1,2,3,6,7,8-HpCDF	4.22e5	1.25	NO	0.885	1.000	34.13	1.000	51.9	104	0.170	51.9
13	1,2,3,4,6,7,8-HxCDF	3.88e5	1.25	NO	0.904	1.000	34.72	1.000	51.9	104	0.157	51.9
14	1,2,3,7,8-HpCDF	3.98e5	1.22	NO	0.870	1.000	35.03	1.000	51.1	102	0.209	51.1
15	1,2,3,4,6,7,8-HpCDF	2.54e5	0.98	NO	0.873	1.000	37.41	1.001	51.4	103	0.201	51.4
16	1,2,3,4,7,8,9-HpCDF	2.30e5	0.98	NO	1.012	1.000	39.34	1.000	52.7	108	0.288	52.7
17	OCDF	4.44e5	0.85	NO	0.800	1.000	41.87	1.000	102	102	0.161	102
18	13C-1,2,3,4,7,8-HpCDD	1.16e5	0.79	NO	1.150	1.000	29.56	1.025	101	101	0.0980	
19	13C-1,2,3,4,7,8-HxCDD	3.48e5	0.84	NO	0.940	1.000	33.59	1.215	100	100	0.235	
20	13C-1,2,3,4,7,8-HpCDF	8.04e5	1.27	NO	0.7750	1.000	34.58	1.014	98.9	98.9	0.188	
21	13C-1,2,3,6,7,8-HxCDD	8.15e5	1.23	NO	1.0487	1.000	34.97	1.017	102	102	0.144	



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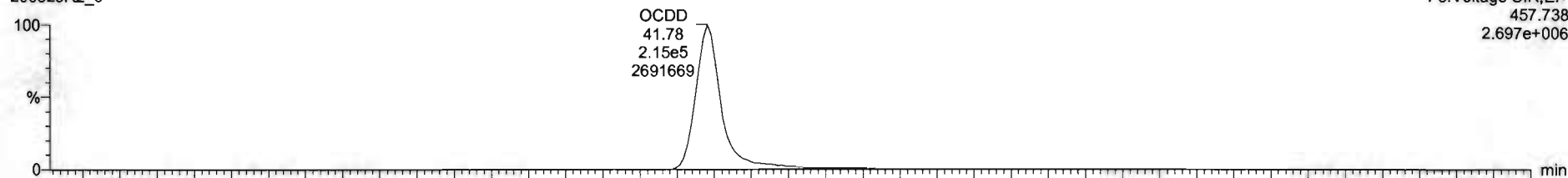
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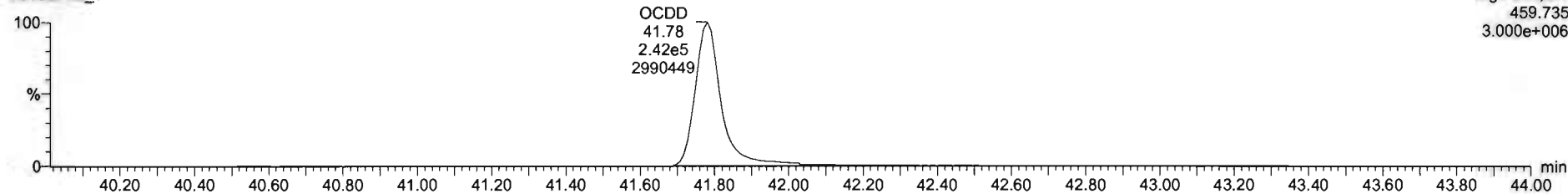
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OCDD

200528R2_6

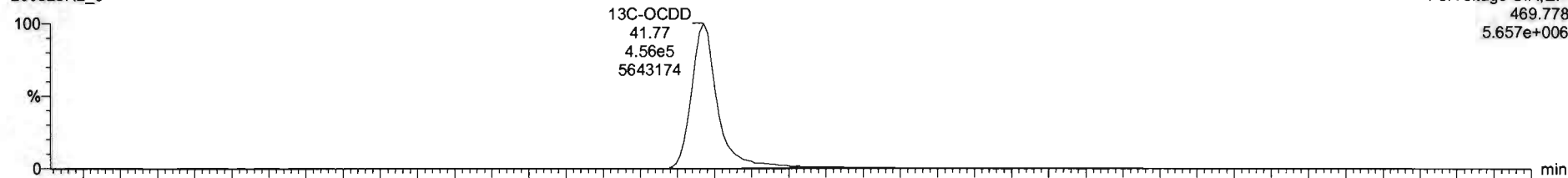


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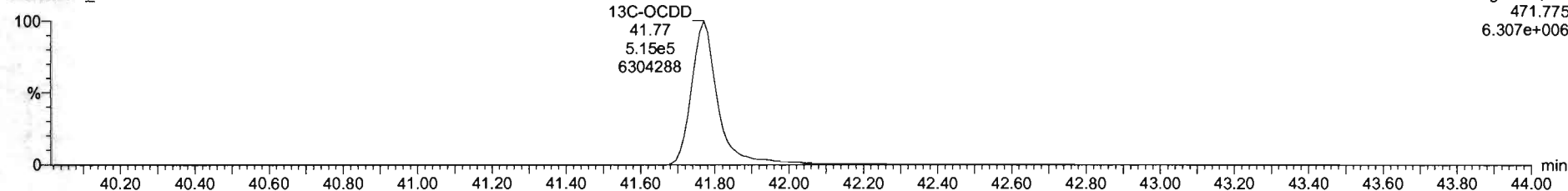


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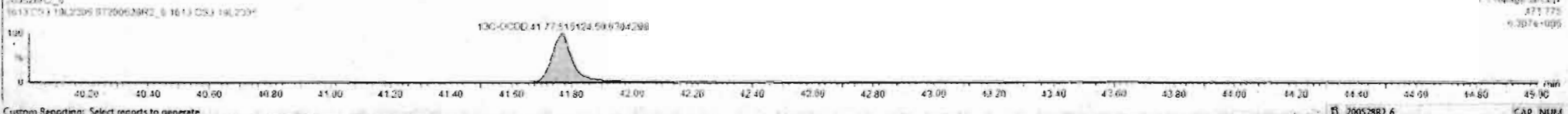
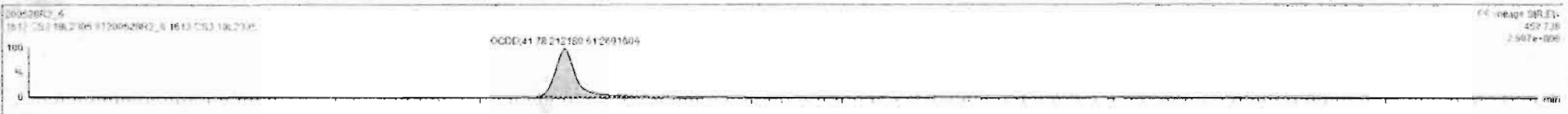
200528R2_6



200528R2_6



ID	Name	Resp	RA	inj	RRF	injVol	RT	RR1	Conc	%Rec	DL	EMFC
1	2,3,7,8-TCDD	1.96e6	0.21	NO	0.8843	1.000	26.19	1.001	10.2	102	0.0664	10.2
2	1,2,3,7,8-PeCDD	3.96e6	0.22	NO	0.9091	1.000	31.92	1.001	51.3	103	0.195	51.3
3	1,2,3,4,7,8-HxCDD	3.25e6	1.25	NO	1.0334	1.000	34.89	1.000	52.1	104	0.228	52.1
4	1,2,3,6,7,8-HxCDD	3.51e6	1.24	NO	0.8027	1.000	35.30	1.001	46.3	96.6	0.253	46.3
5	1,2,3,7,8,9-HxCDD	3.12e6	1.24	NO	0.9063	1.000	35.27	1.000	49.9	99.8	0.254	49.9
6	1,2,3,4,6,7,8-HpCDD	7.36e6	1.52	NO	1.0881	1.000	36.81	1.000	71.1	101	0.216	71.1
7	OCDD	4.53e5	0.28	NO	0.9138	1.000	41.76	1.000	102	102	0.208	102
8	2,3,7,8-TCDF	1.19e6	0.24	NO	0.7510	1.000	25.89	1.001	3.96	99.6	0.0613	9.96
9	1,2,3,7,8-PeCDF	5.72e6	1.57	NO	0.8925	1.000	30.25	1.000	51.2	102	0.159	51.2
10	2,3,4,7,8-PeCDF	8.81e6	1.57	NO	0.9346	1.000	31.22	1.000	50.3	101	0.130	50.3
11	1,2,3,4,7,8-HxCDF	3.56e6	1.21	NO	0.8948	1.000	34.91	1.000	51.1	102	0.191	51.1
12	1,2,3,6,7,8-HxCDF	4.22e6	1.25	NO	0.8062	1.000	34.12	1.000	51.9	104	0.176	51.9
13	2,3,4,6,7,8-HxCDF	3.88e6	1.25	NO	0.9341	1.000	34.22	1.000	51.9	104	0.197	51.9
14	1,2,3,7,8,9-HxCDF	2.98e6	1.22	NO	0.8707	1.000	35.43	1.000	51.1	102	0.201	51.1
15	1,2,3,4,6,7,8-HpCDF	2.64e6	0.98	NO	0.8734	1.000	37.41	1.001	51.4	103	0.221	51.4
16	1,2,3,4,7,8,9-HpCDF	2.06e6	0.98	NO	1.0128	1.000	39.34	1.000	52.7	105	0.258	52.7
17	OCDF	4.44e6	0.80	NO	0.8045	1.000	41.87	1.000	102	102	0.161	102
18	13C-2,3,7,8-TCDD	1.18e8	0.79	NO	1.1563	1.000	26.96	1.025	101	101	0.0900	
19	13C-1,2,3,7,8-PeCDD	8.48e6	0.84	NO	0.8490	1.000	31.98	1.215	100	100	0.275	
20	13C-1,2,3,4,7,8-HxCDD	6.04e6	1.27	NO	0.7750	1.000	34.88	1.014	98.9	98.9	0.198	
21	13C-1,2,3,6,7,8-HxCDD	6.15e6	1.23	NO	1.0167	1.000	34.97	1.017	102	102	0.144	



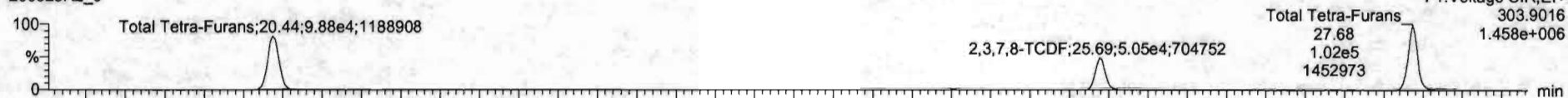
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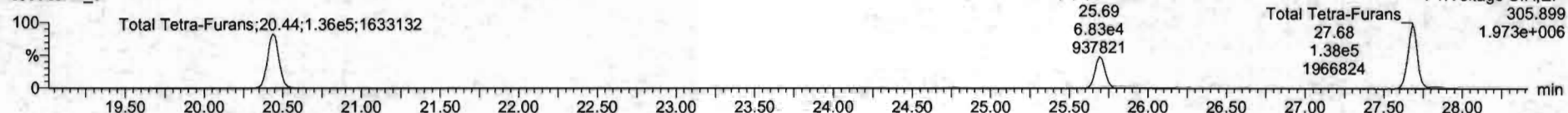
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2,3,7,8-TCDF

200528R2_6

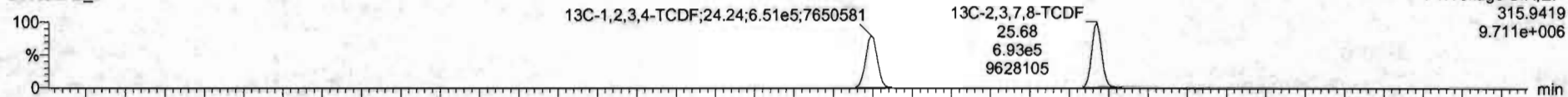


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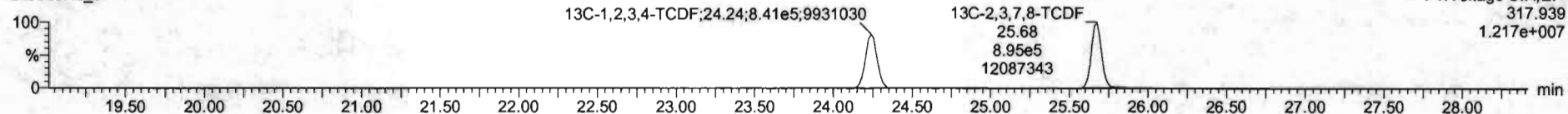


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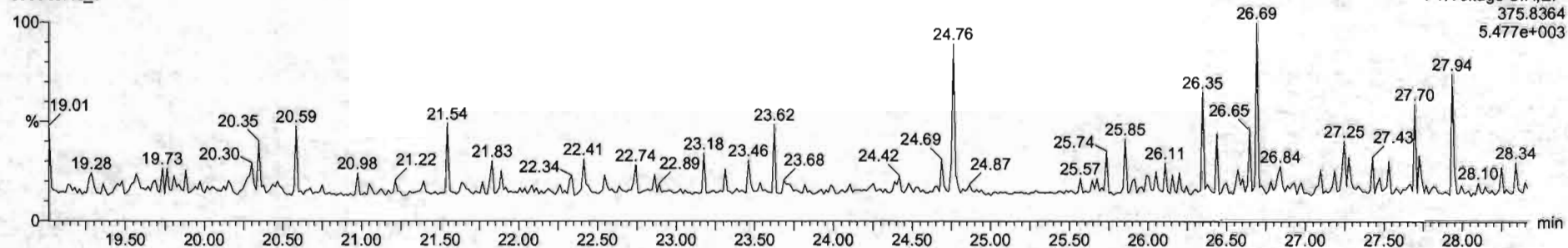


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DPE1

200528R2_6



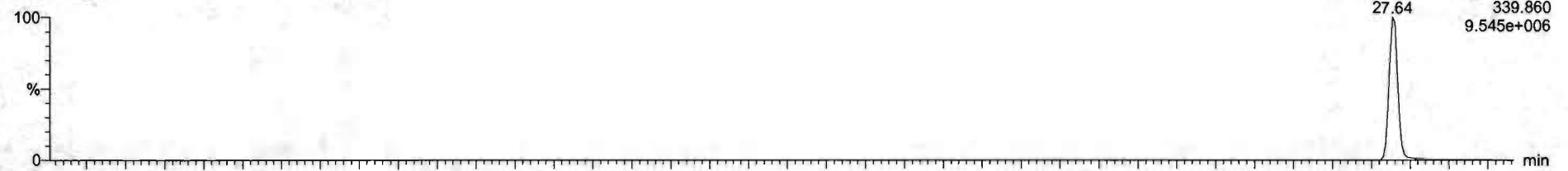
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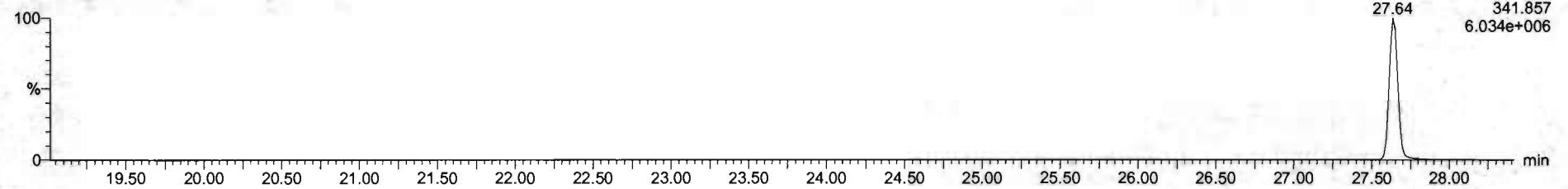
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1st Func. Penta-Furans

200528R2_6

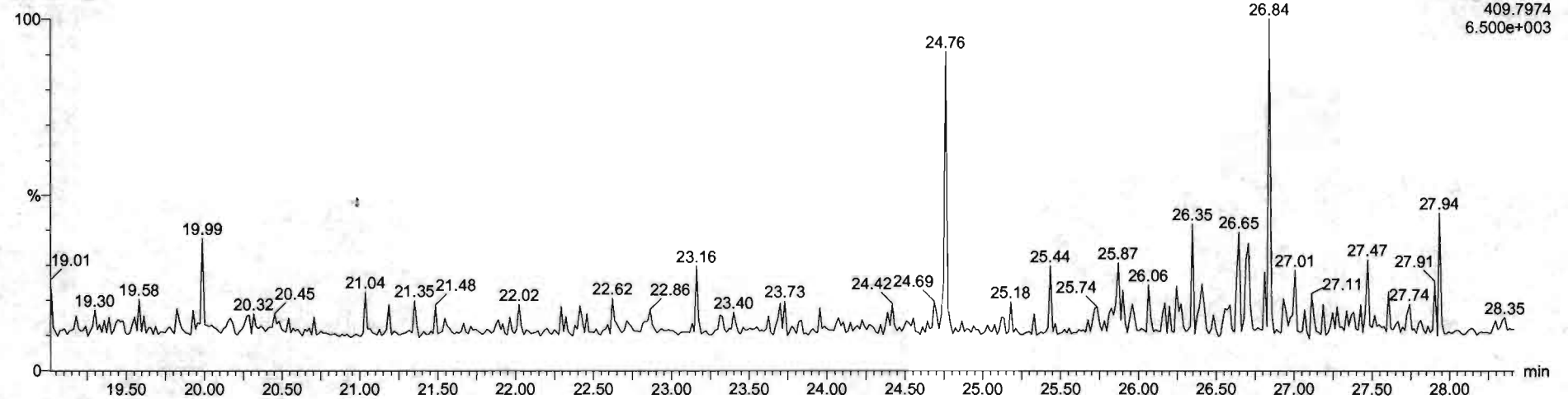


200528R2_6



DPE6

200528R2_6



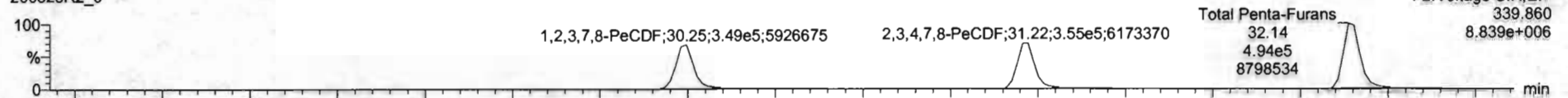
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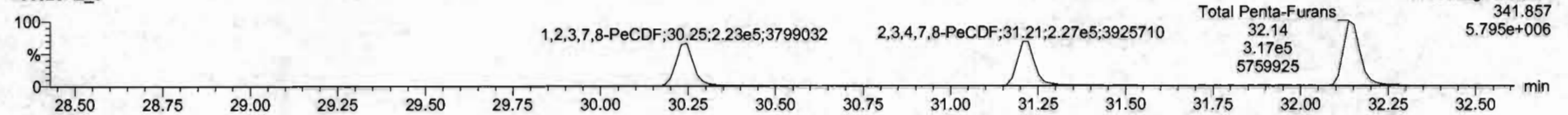
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1,2,3,7,8-PeCDF

200528R2_6

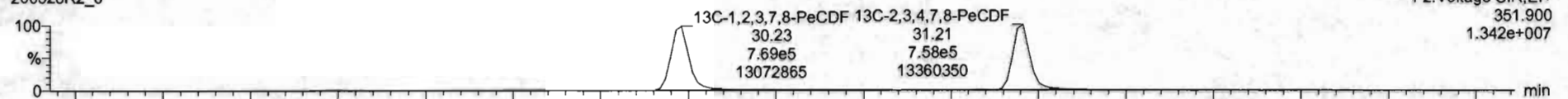


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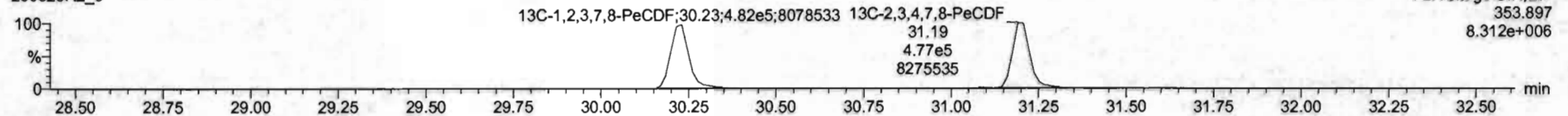


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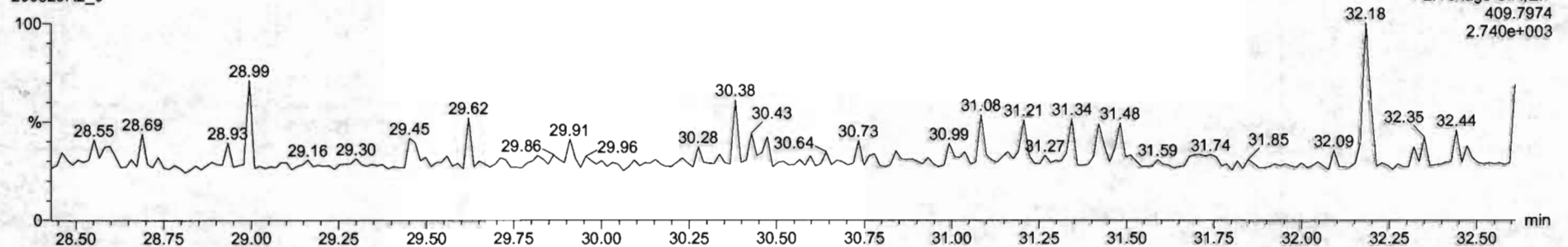


200528R2_6



DPE2

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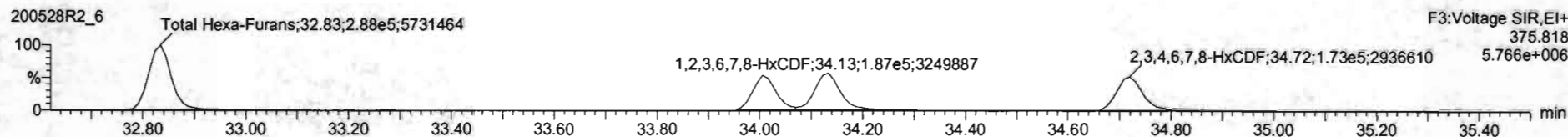
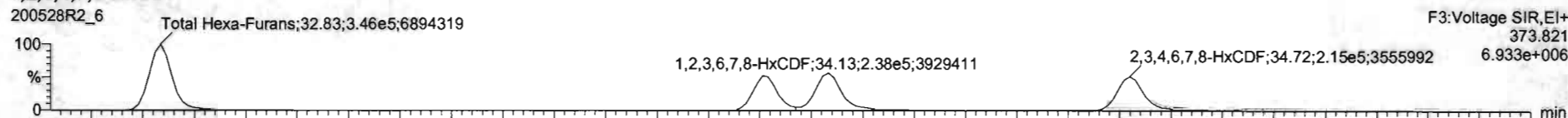


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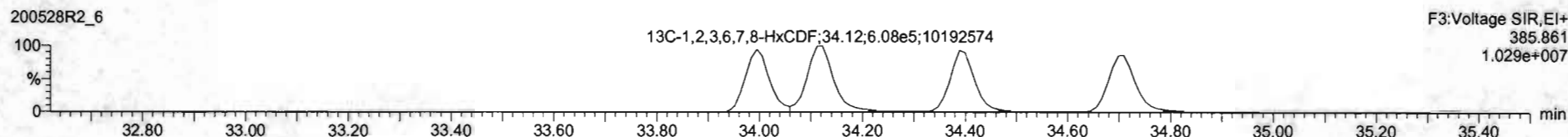
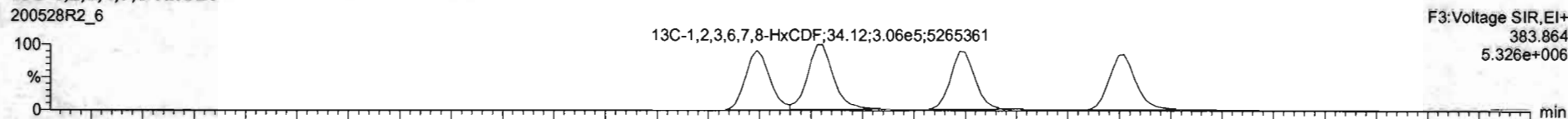
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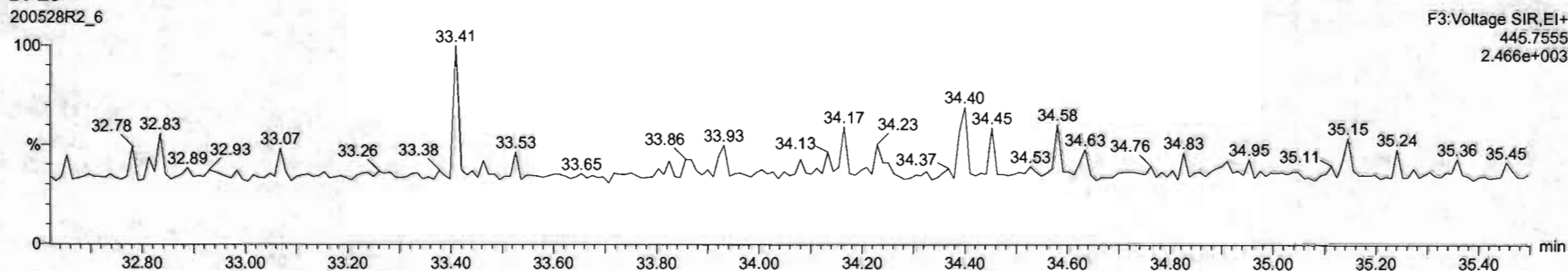
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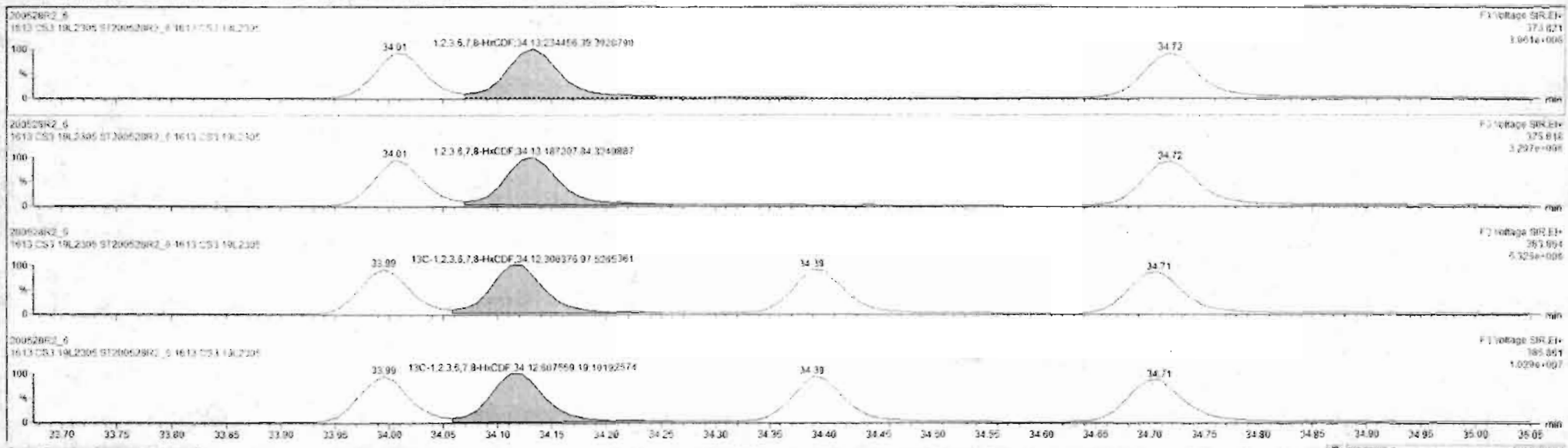
13C-1,2,3,4,7,8-HxCDF



DPE3



Name	Resp	RA	WV	RRF	WtVal	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.06e5	0.81	NO	0.6082	1.000	26.55	1.001	102	102	0.0664	10.2
2 1,2,3,7,8-PeCDD	1.56e5	0.82	NO	0.6081	1.000	31.53	1.001	51.3	103	0.194	51.3
3 1,2,3,4,7,8-HxCDD	0.25e5	1.23	NO	1.0334	1.000	34.89	1.000	52.1	104	0.220	52.1
4 1,2,3,6,7,8-HxCDD	0.31e5	1.24	NO	0.8923	1.000	25.00	1.001	48.3	96.6	0.231	48.3
5 1,2,3,7,8,9-HxCDD	0.12e5	1.24	NO	0.9269	1.000	35.27	1.000	49.9	99.8	0.264	49.9
6 1,2,3,4,6,7,8-HpCDD	0.26e5	1.01	NO	0.8838	1.000	26.61	1.000	51.2	102	0.209	51.2
7 OCDD	1.53e5	0.86	NO	0.5136	1.000	41.78	1.000	102	102	0.290	102
8 2,3,7,8-TCDF	1.19e5	0.74	NO	0.7510	1.000	25.69	1.001	9.90	99.8	0.0613	9.90
9 1,2,3,7,8-PeCDF	0.72e5	1.57	NO	0.8925	1.000	30.25	1.000	51.2	102	0.139	51.2
10 1,2,3,4,7,8-HxCDF	0.91e5	1.57	NO	0.9248	1.000	31.22	1.000	50.3	101	0.130	50.3
11 1,2,3,4,7,8-HxCDF	0.56e5	1.21	NO	0.8845	1.000	34.01	1.000	51.1	102	0.191	51.1
12 1,2,3,6,7,8-HxCDF	4.22e5	1.25	NO	0.8092	1.000	34.13	1.000	51.9	104	0.170	51.9
13 2,3,4,6,7,8-HpCDF	1.58e5	1.25	NO	0.9241	1.000	34.72	1.000	51.9	104	0.197	51.9
14 1,2,3,7,8,9-HxCDF	2.98e5	1.22	NO	0.8707	1.000	35.83	1.000	51.1	102	0.201	51.1
15 1,2,3,4,6,7,8-HpCDF	2.64e5	0.90	NO	0.8734	1.000	37.41	1.001	51.4	103	0.221	51.4
18 1,2,3,4,7,8,9-HpCDF	0.20e5	0.86	NO	1.0100	1.000	39.34	1.000	52.7	105	0.268	52.7
17 OCDF	1.44e5	0.86	NO	0.8085	1.000	41.97	1.000	102	102	0.141	102
19 1,2,3,7,8-TCDF	1.16e5	0.79	NO	1.1583	1.000	26.56	1.026	101	101	0.0890	
13C 1,2,3,7,8-PeCDD	0.48e5	0.64	NO	0.8490	1.000	31.50	1.215	100	100	0.235	
20 13C-1,2,3,7,8-HxCDD	0.04e5	1.27	NO	0.7790	1.000	34.86	1.014	98.9	98.9	0.188	
21 13C-1,2,3,7,8-HxCDD	0.15e5	1.23	NO	1.0187	1.000	34.97	1.017	102	102	0.144	



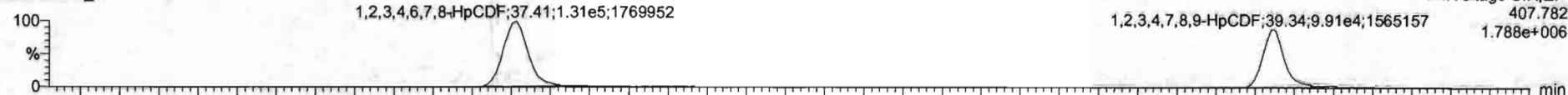
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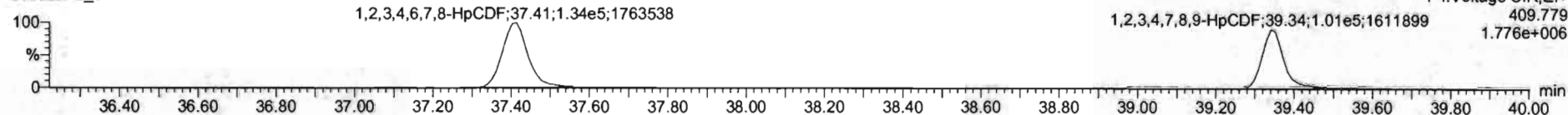
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1,2,3,4,6,7,8-HpCDF

200528R2_6

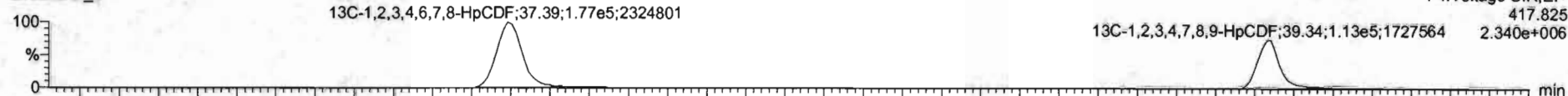


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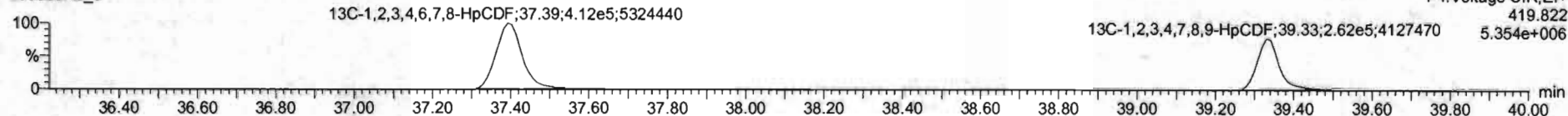


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200528R2_6

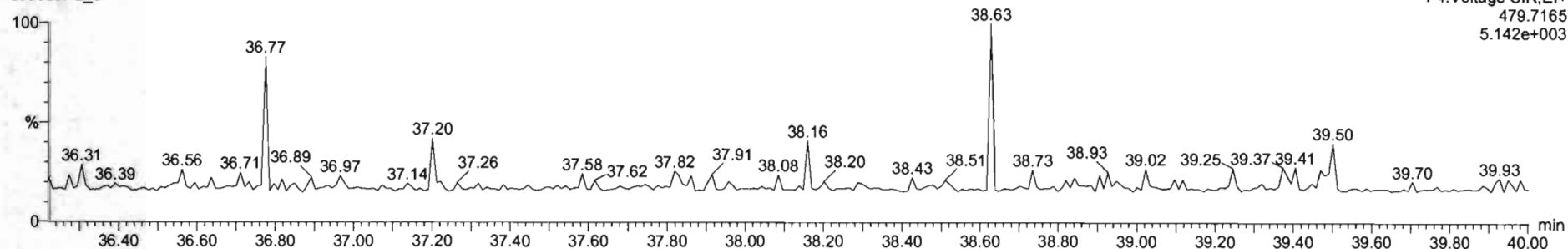


200528R2_6



DPE4

200528R2_6

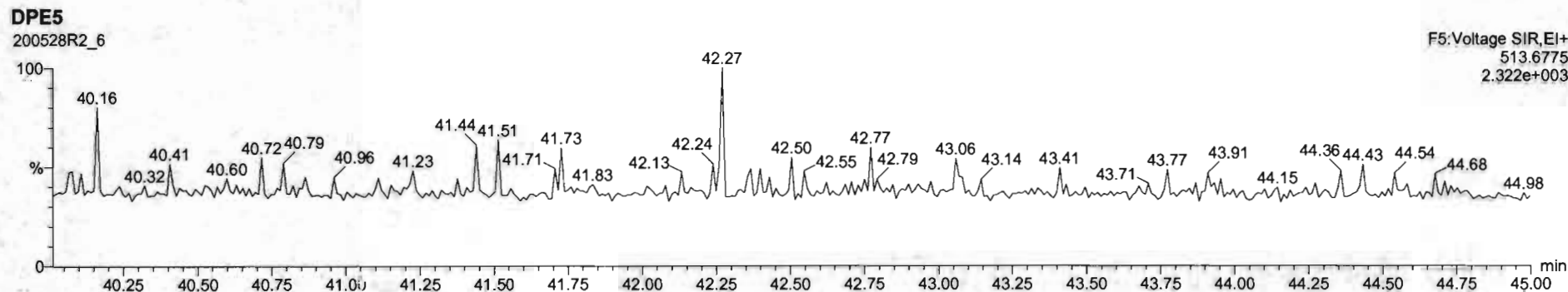
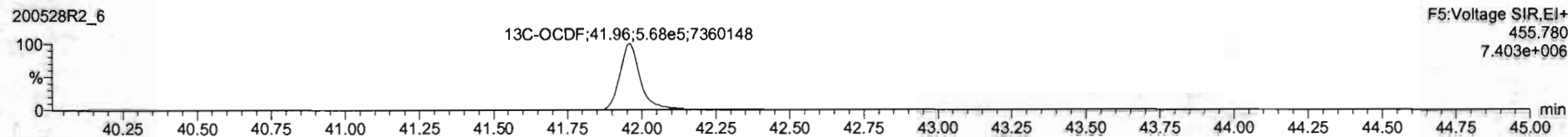
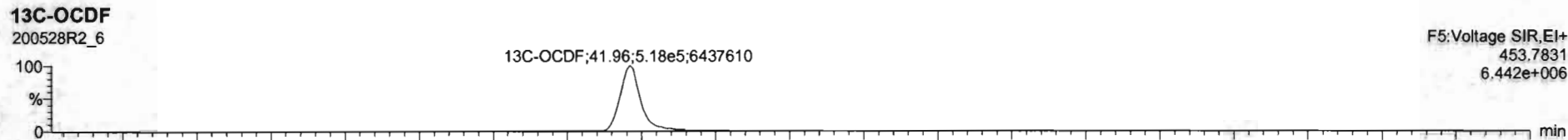
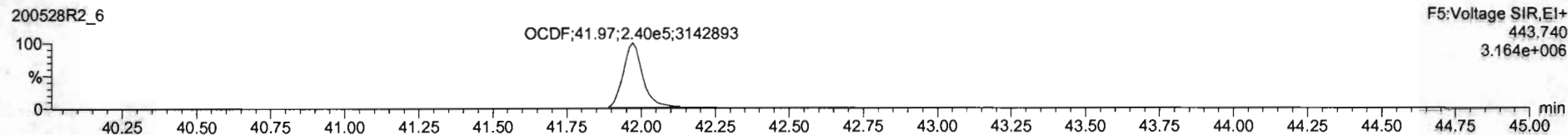
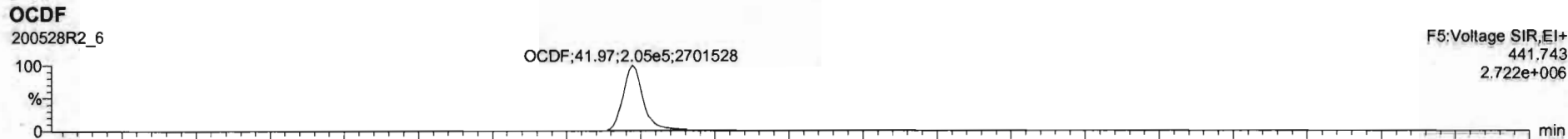


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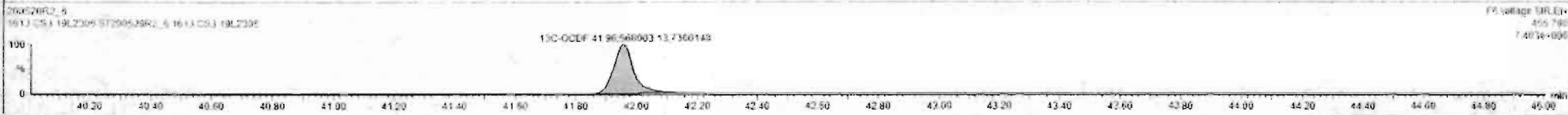
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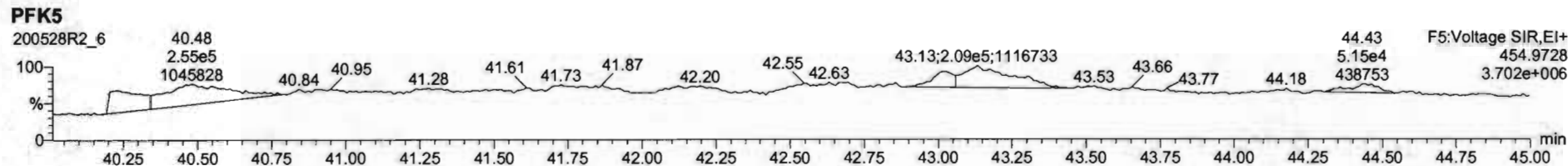
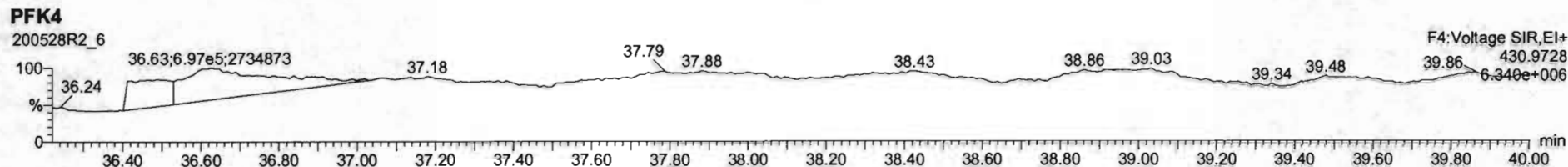
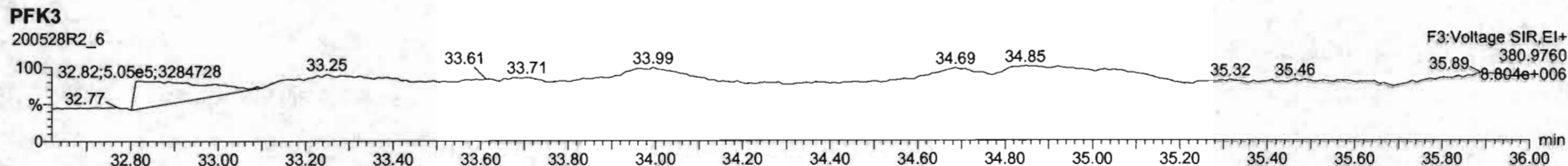
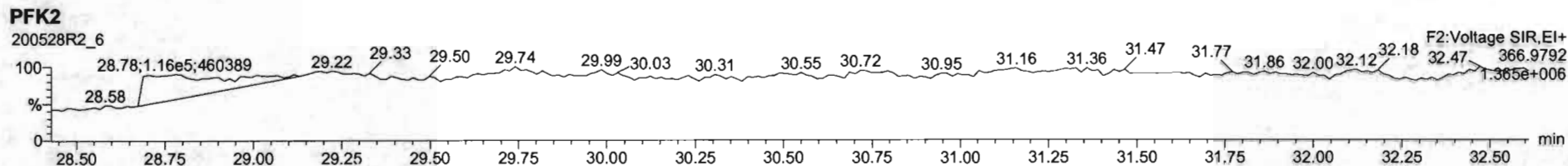
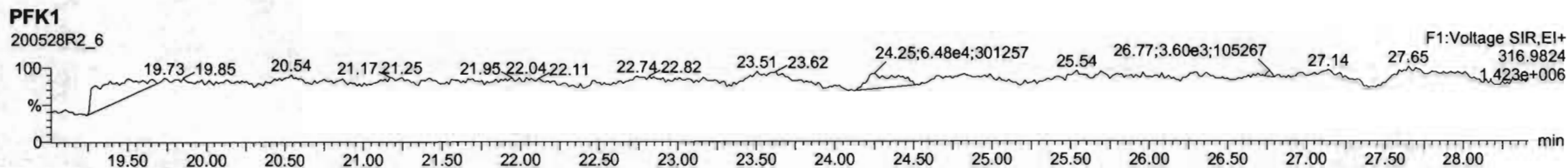
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2	1,2,3,7,8-PeCDD	3.56e5	0.62	NO	0.8091	1.000	31.53	1.001	51.3	103	0.195	51.3
3	1,2,3,4,7,8-HxCDD	0.25e5	1.23	NO	1.0334	1.000	34.99	1.000	52.1	104	0.228	52.1
4	1,2,3,6,7,8-HxCDD	0.51e5	1.34	NO	0.8921	1.000	35.00	1.001	48.3	96.6	0.231	48.3
5	1,2,3,7,8,9-HxCDD	0.12e5	1.24	NO	0.8265	1.000	35.27	1.000	49.9	99.8	0.254	49.9
6	1,2,3,4,6,7,8-HpCDD	1.06e5	1.01	NO	1.9839	1.000	36.81	1.000	73.2	102	0.109	73.2
7	OCDD	4.53e5	0.68	NO	0.9136	1.000	41.78	1.000	102	102	0.206	102
8	2,3,7,8-TCDF	1.19e5	0.74	NO	0.7510	1.000	25.69	1.001	9.98	99.8	0.0613	9.96
9	1,2,3,7,8-PeCDF	5.72e5	1.57	NO	0.8925	1.000	30.24	1.000	51.2	102	0.139	51.2
10	1,2,3,4,7,8-HxCDF	0.61e5	1.57	NO	0.9348	1.000	31.22	1.000	40.3	101	0.150	40.3
11	1,2,3,4,7,8-HxCDF	3.56e5	1.31	NO	0.8545	1.000	34.81	1.000	41.1	103	0.191	41.1
12	1,2,3,6,7,8-HxCDF	4.22e5	1.25	NO	0.8282	1.000	34.13	1.000	51.9	104	0.176	51.9
13	2,3,4,6,7,8-HxCDF	3.08e5	1.25	NO	0.9341	1.000	34.72	1.000	51.8	104	0.187	51.8
14	1,2,3,7,8,9-HxCDF	2.98e5	1.22	NO	0.8787	1.000	34.83	1.000	41.1	102	0.291	41.1
15	1,2,3,4,6,7,8-HpCDF	2.64e5	0.98	NO	0.8734	1.000	37.41	1.001	51.4	103	0.221	51.4
16	1,2,3,4,7,8,9-HpCDF	2.00e5	0.98	NO	1.0128	1.000	39.34	1.000	52.7	102	0.258	52.7
17	OCDF	4.44e5	0.85	NO	0.6085	1.000	41.97	1.000	102	102	0.191	102
18	13C-2,3,7,8-TCDD	1.16e6	0.79	NO	1.1523	1.000	26.19	1.024	101	101	0.0680	
19	13C-1,2,3,7,8-PeCDD	6.48e5	0.64	NO	0.8456	1.000	31.53	1.215	100	100	0.235	
20	13C-1,2,3,4,7,8-HxCDD	0.64e5	1.27	NO	0.7790	1.000	34.98	1.014	98.9	98.9	0.168	
21	13C-1,2,3,6,7,8-HxCDD	0.15e5	1.23	NO	1.8187	1.000	34.97	1.017	102	102	0.144	



Dataset: Untitled

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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305



Dataset: U:\VG12.PRO\Results\200528R2\200528R2-8.qld

Last Altered: Friday, May 29, 2020 7:44:05 AM Pacific Daylight Time
Printed: Friday, May 29, 2020 7:44:35 AM Pacific Daylight Time

GRB 05/29/2020

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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

#	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	1.24e5	0.78	NO	0.888	1.000	26.575	26.57	1.001	1.001	11.080	111	0.0262	11.1
2	2 1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.908	1.000	31.518	31.51	1.001	1.000	56.429	113	0.0622	56.4
3	3 1,2,3,4,7,8-HxCDD	3.86e5	1.22	NO	1.03	1.000	34.879	34.88	1.000	1.000	58.033	116	0.101	58.0
4	4 1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.892	1.000	34.975	34.99	1.000	1.000	57.963	116	0.105	58.0
5	5 1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.887	1.000	35.262	35.26	1.000	1.000	57.107	114	0.119	57.1
6	6 1,2,3,4,6,7,8-HpCDD	2.67e5	1.03	NO	0.864	1.000	38.799	38.80	1.000	1.000	55.832	112	0.168	55.8
7	7 OCDD	5.15e5	0.88	NO	0.914	1.000	41.759	41.78	1.000	1.001	111.26	111	0.171	111
8	8 2,3,7,8-TCDF	1.48e5	0.75	NO	0.751	1.000	25.671	25.68	1.001	1.001	11.386	114	0.0333	11.4
9	9 1,2,3,7,8-PeCDF	6.72e5	1.54	NO	0.893	1.000	30.236	30.23	1.001	1.001	55.728	111	0.0942	55.7
10	10 2,3,4,7,8-PeCDF	7.50e5	1.54	NO	0.935	1.000	31.222	31.21	1.001	1.000	60.229	120	0.0851	60.2
11	11 1,2,3,4,7,8-HxCDF	4.21e5	1.20	NO	0.884	1.000	33.984	33.99	1.000	1.000	55.936	112	0.113	55.9
12	12 1,2,3,6,7,8-HxCDF	5.08e5	1.18	NO	0.889	1.000	34.122	34.12	1.000	1.000	56.761	114	0.107	56.8
13	13 2,3,4,6,7,8-HxCDF	4.49e5	1.21	NO	0.934	1.000	34.732	34.71	1.001	1.000	56.468	113	0.117	56.5
14	14 1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.871	1.000	35.614	35.62	1.000	1.000	55.299	111	0.174	55.3
15	15 1,2,3,4,6,7,8-HpCDF	3.01e5	1.01	NO	0.873	1.000	37.430	37.40	1.001	1.000	54.506	109	0.182	54.5
16	16 1,2,3,4,7,8,9-HpCDF	2.38e5	1.00	NO	1.01	1.000	39.331	39.34	1.000	1.000	57.740	115	0.198	57.7
17	17 OCDF	5.22e5	0.87	NO	0.806	1.000	41.951	41.96	1.000	1.000	113.77	114	0.201	114
18	18 13C-2,3,7,8-TCDD	1.26e6	0.79	NO	1.16	1.000	26.584	26.54	1.026	1.025	91.859	91.9	0.0837	
19	19 13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.849	1.000	31.784	31.50	1.227	1.216	88.503	88.5	0.117	
20	20 13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.779	1.000	34.874	34.87	1.014	1.014	88.587	88.6	0.180	
21	21 13C-1,2,3,6,7,8-HxCDD	8.41e5	1.26	NO	1.02	1.000	34.987	34.97	1.017	1.017	88.739	88.7	0.138	
22	22 13C-1,2,3,7,8,9-HxCDD	7.39e5	1.24	NO	0.903	1.000	35.259	35.25	1.025	1.025	87.785	87.8	0.155	
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.53e5	1.04	NO	0.689	1.000	38.787	38.79	1.128	1.128	86.116	86.1	0.160	
24	24 13C-OCDD	1.01e6	0.89	NO	0.652	1.000	41.813	41.76	1.216	1.214	166.64	83.3	0.212	
25	25 13C-2,3,7,8-TCDF	1.73e6	0.77	NO	1.06	1.000	25.623	25.65	0.989	0.990	90.815	90.8	0.116	
26	26 13C-1,2,3,7,8-PeCDF	1.35e6	1.61	NO	0.838	1.000	30.163	30.21	1.165	1.167	89.693	89.7	0.169	
27	27 13C-2,3,4,7,8-PeCDF	1.33e6	1.57	NO	0.817	1.000	31.119	31.19	1.202	1.204	90.666	90.7	0.174	
28	28 13C-1,2,3,4,7,8-HxCDF	8.51e5	0.51	NO	1.01	1.000	34.004	33.98	0.989	0.988	90.589	90.6	0.222	
29	29 13C-1,2,3,6,7,8-HxCDF	1.01e6	0.51	NO	1.17	1.000	34.127	34.11	0.992	0.992	92.509	92.5	0.191	
30	30 13C-2,3,4,6,7,8-HxCDF	8.50e5	0.51	NO	1.02	1.000	34.702	34.70	1.009	1.009	89.276	89.3	0.219	
31	31 13C-1,2,3,7,8,9-HxCDF	7.33e5	0.50	NO	0.860	1.000	35.603	35.61	1.035	1.036	91.476	91.5	0.260	

Dataset: U:\VG12.PRO\Results\200528R2\200528R2-8.qld

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Printed: Friday, May 29, 2020 7:44:35 AM Pacific Daylight Time

Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.33e5	0.43	NO	0.774	1.000	37.353	37.39	1.086	1.087	87.682	87.7	0.235	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.07e5	0.42	NO	0.521	1.000	39.386	39.33	1.145	1.144	83.716	83.7	0.350	
34	34 13C-OCDF	1.14e6	0.88	NO	0.746	1.000	41.985	41.95	1.221	1.220	163.83	81.9	0.148	
35	35 37Cl-2,3,7,8-TCDD	1.28e5			1.04	1.000	26.615	26.57	1.028	1.026	10.416	104	0.0149	
36	36 13C-1,2,3,4-TCDD	1.19e6	0.81	NO	1.00	1.000	26.000	25.90	1.000	1.000	100.00	100	0.0967	
37	37 13C-1,2,3,4-TCDF	1.80e6	0.79	NO	1.00	1.000	24.360	24.22	1.000	1.000	100.00	100	0.123	
38	38 13C-1,2,3,4,6,9-HxCDF	9.32e5	0.51	NO	1.00	1.000	34.420	34.39	1.000	1.000	100.00	100	0.223	

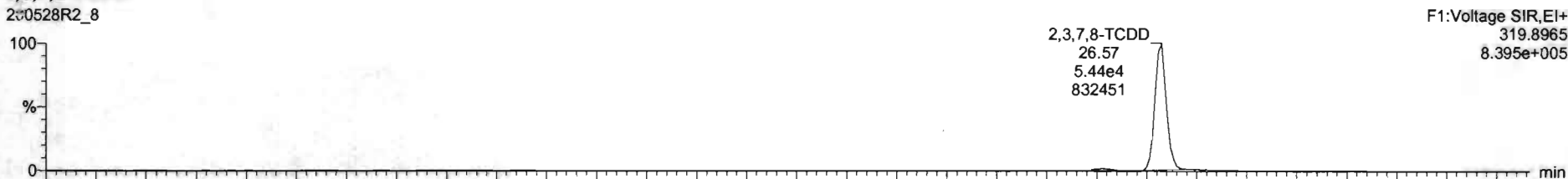
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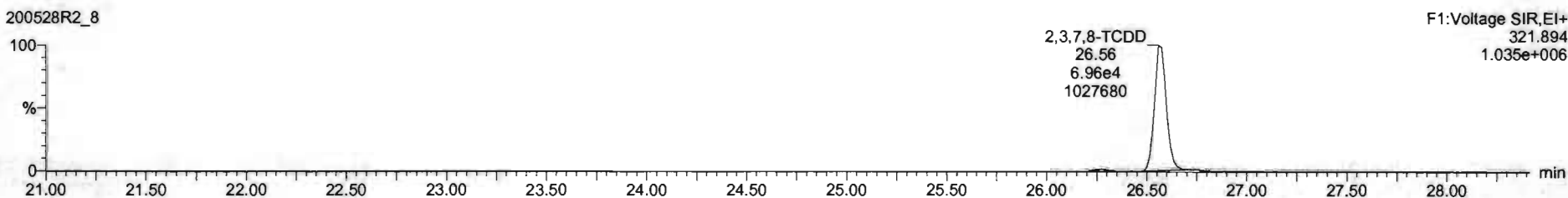
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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

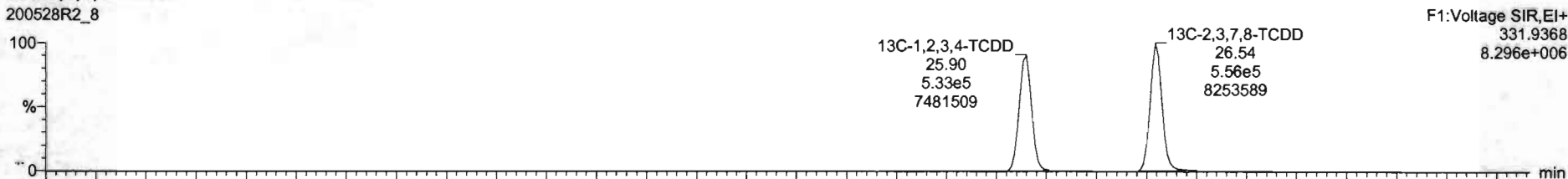
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200528R2_8



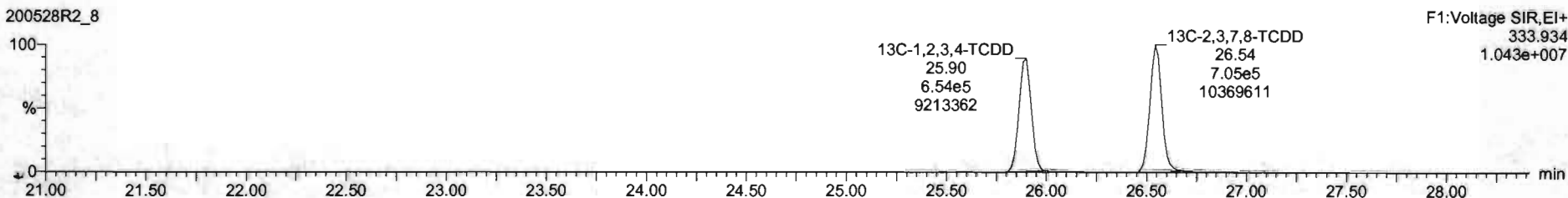
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13C-2,3,7,8-TCDD
200528R2_8



200528R2_8



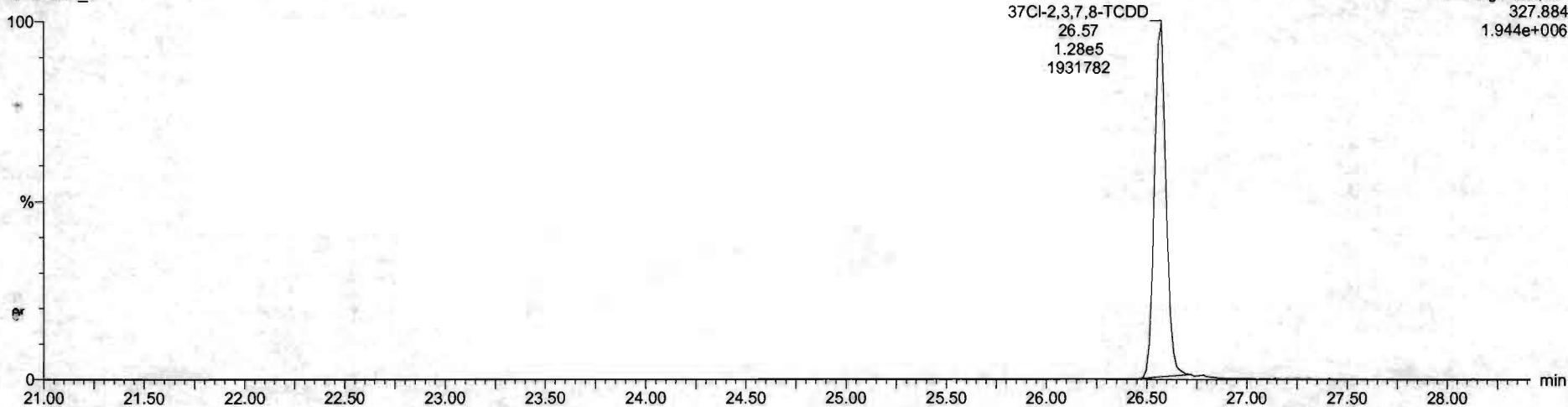
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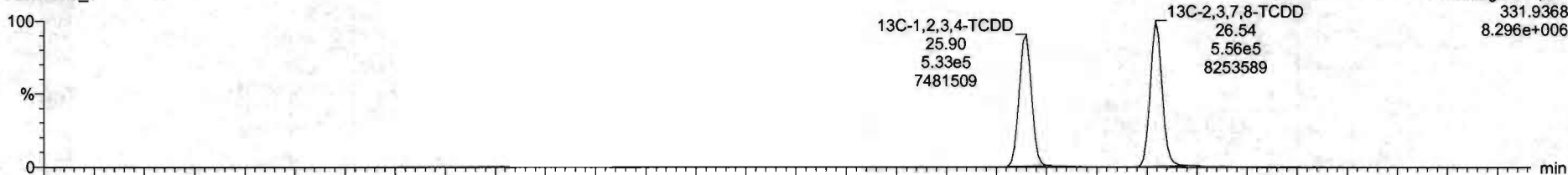
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200528R2_8

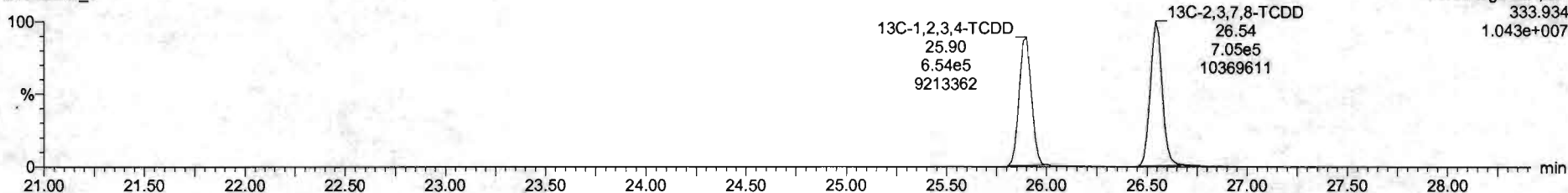


13C-1,2,3,4-TCDD

200528R2_8



200528R2_8



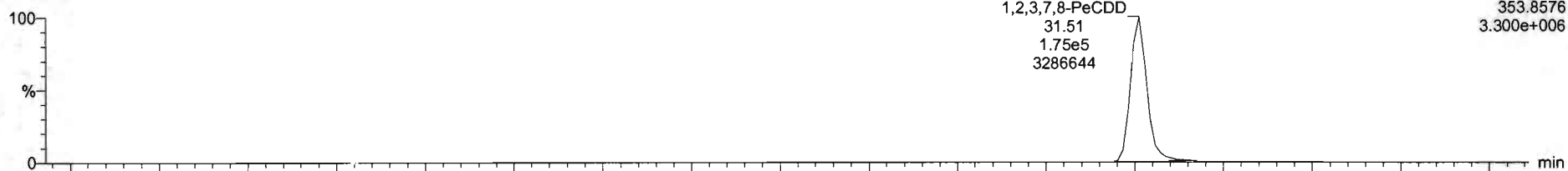
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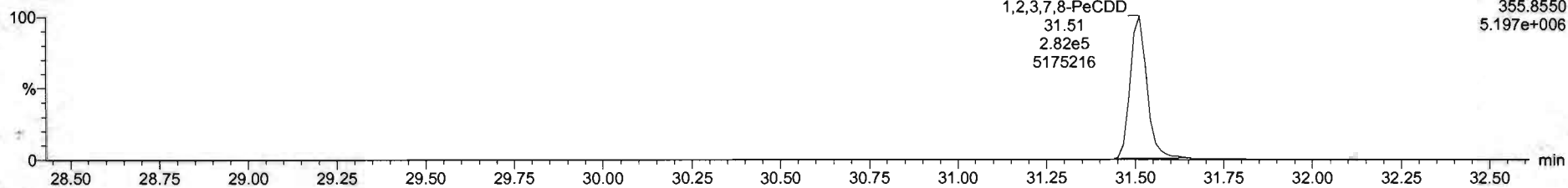
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1,2,3,7,8-PeCDD

200528R2_8

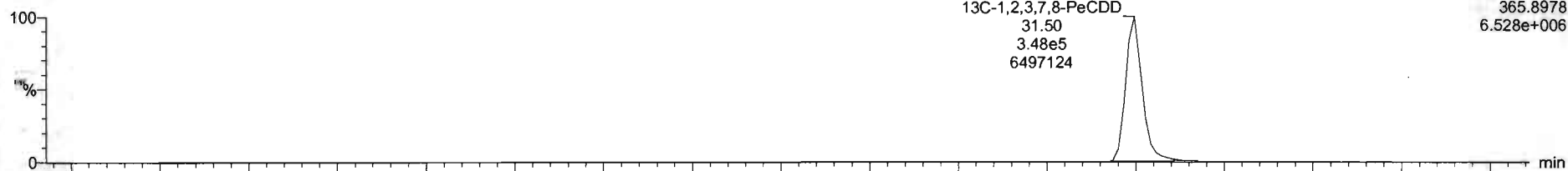


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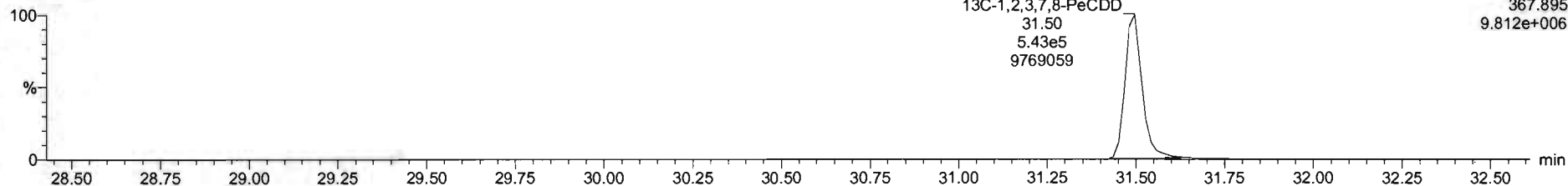


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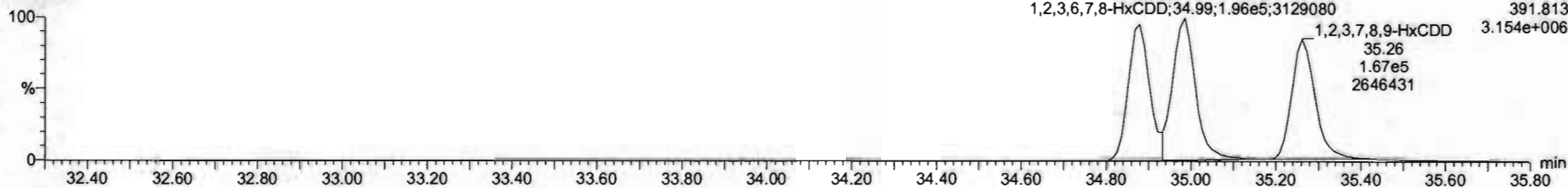
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1,2,3,4,7,8-HxCDD

200528R2_8

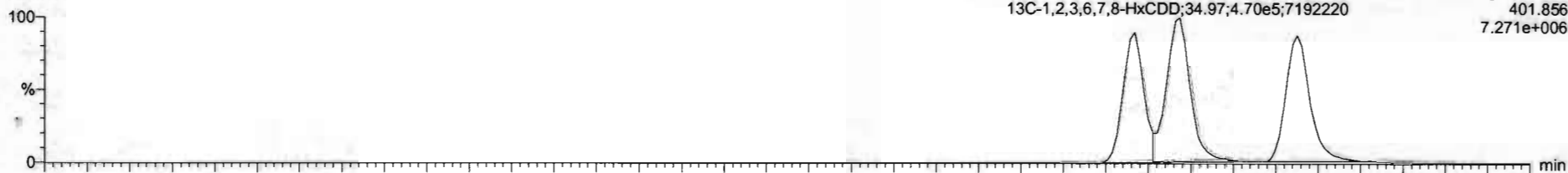


200528R2_8

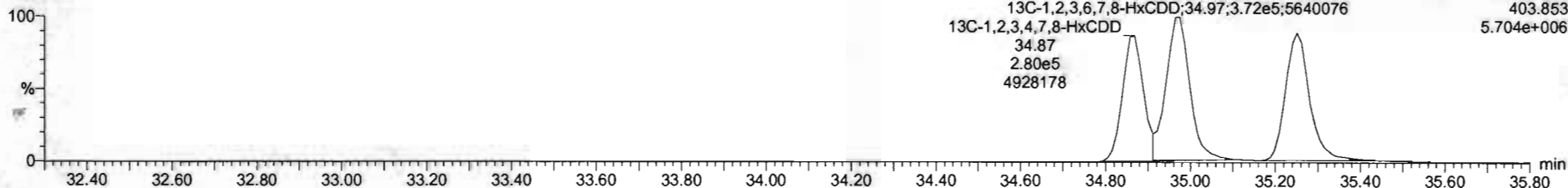


13C-1,2,3,4,7,8-HxCDD

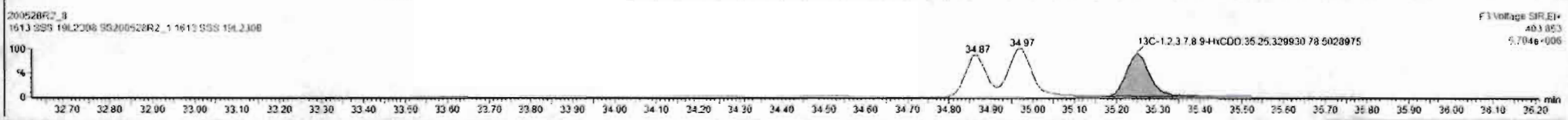
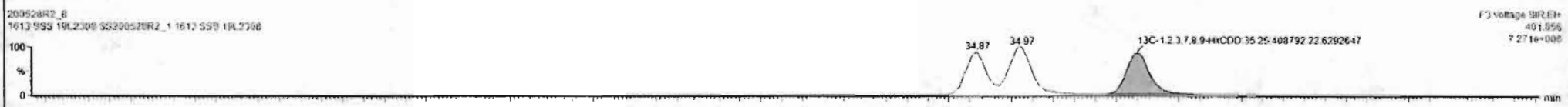
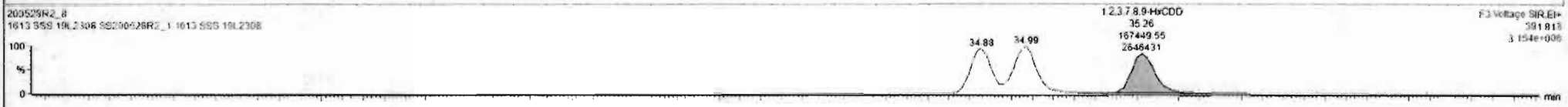
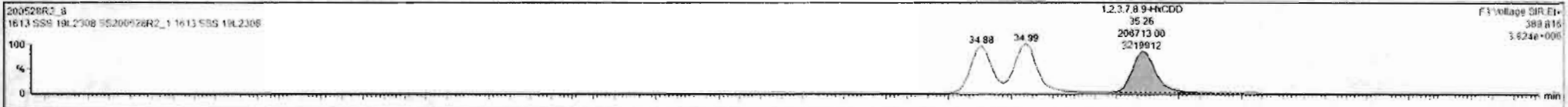
200528R2_8



200528R2_8



#	Name	Resp	RA	nby	RRF	wthvol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.24e5	0.76	NO	0.6883	1.000	26.57	1.001	11.1	111	0.0252	11.1
2	1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.9081	1.000	31.51	1.000	56.4	113	0.0622	56.4
3	1,2,3,4,7,8-HxCDD	2.86e5	1.22	NO	1.0334	1.000	34.86	1.000	56.0	116	0.101	56.0
4	1,2,3,6,7,8-HxCDD	4.35e5	1.72	NO	0.8923	1.000	34.99	1.000	58.0	116	0.105	58.0
5	1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.6969	1.000	35.26	1.009	57.1	114	0.119	57.1
6	1,2,3,4,6,7,8-HpCDD	2.57e5	1.02	NO	0.8639	1.000	36.50	1.000	55.6	112	0.160	55.6
7	OCDD	5.24e5	0.85	NO	0.9136	1.000	41.78	1.001	113	113	0.171	113
8	2,3,7,8-TCDF	1.48e5	0.75	NO	0.7510	1.000	25.68	1.001	11.4	114	0.0333	11.4
9	1,2,3,7,8-PeCDF	6.72e5	1.54	NO	0.8925	1.000	30.23	1.001	55.7	113	0.0942	55.7
10	2,3,4,7,8-PeCDF	7.62e5	1.54	NO	0.9348	1.000	21.21	1.000	62.1	124	0.0853	62.1
11	1,2,3,4,7,8-HxCDF	4.38e5	1.19	NO	0.8845	1.000	23.99	1.000	58.9	115	0.114	58.9
12	1,2,3,6,7,8-HxCDF	5.11e5	1.18	NO	0.8892	1.000	34.12	1.000	59.1	116	0.108	59.1
13	2,3,4,6,7,8-HxCDF	4.54e5	1.21	NO	0.9341	1.000	34.71	1.000	57.2	114	0.117	57.2
14	1,2,3,7,8,9-HxCDF	3.52e5	1.18	NO	0.8707	1.000	35.62	1.000	55.3	111	0.174	55.3
15	1,2,3,4,5,7,8-HpCDF	3.16e5	1.01	NO	0.8734	1.000	37.40	1.000	58.9	115	0.186	58.9
16	1,2,3,4,7,8,9-HpCDF	2.44e5	1.00	NO	1.0128	1.000	39.34	1.000	59.2	118	0.190	59.2
17	OCDF	5.22e5	0.97	NO	0.8085	1.000	41.96	1.000	114	114	0.201	114
18	13C-2,3,7,8-TCDD	1.26e6	0.79	NO	1.1583	1.000	26.54	1.025	91.9	91.9	0.0837	
19	13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.8450	1.000	31.50	1.216	88.5	88.5	0.117	
20	13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7750	1.000	34.87	1.014	86.6	86.6	0.180	
21	13C-1,2,3,6,7,8-HxCDD	6.41e5	1.28	NO	1.0187	1.000	34.97	1.017	88.7	86.7	0.136	



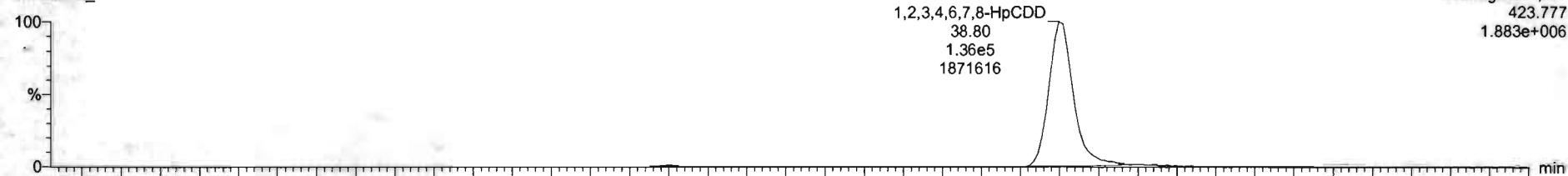
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Printed: Friday, May 29, 2020 7:38:30 AM Pacific Daylight Time

Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

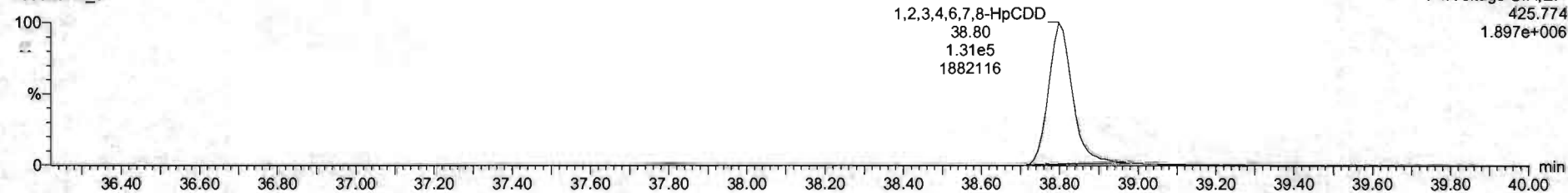
1,2,3,4,6,7,8-HpCDD

200528R2_8



F4:Voltage SIR,EI+
423.777
1.883e+006

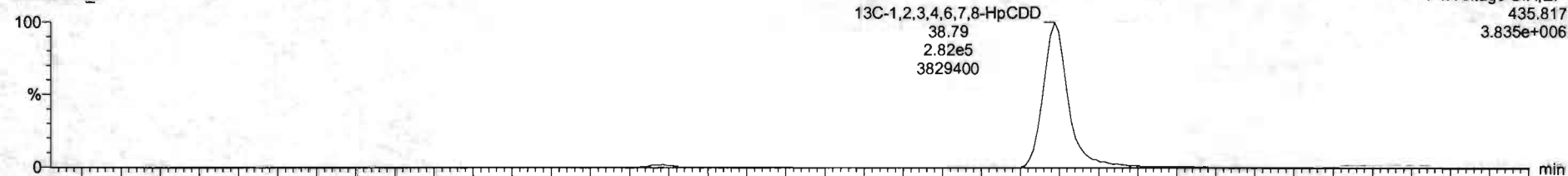
200528R2_8



F4:Voltage SIR,EI+
425.774
1.897e+006

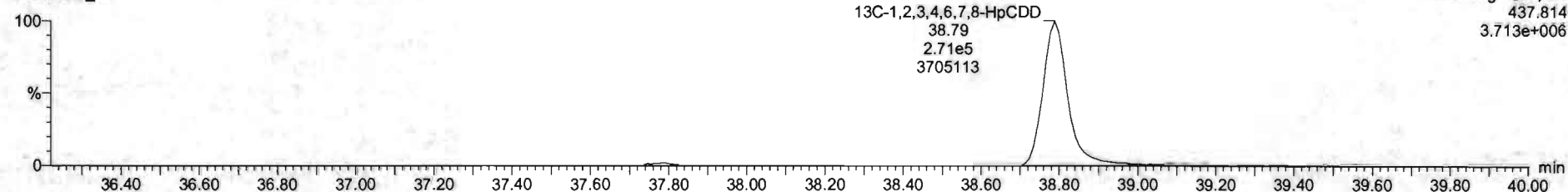
13C-1,2,3,4,6,7,8-HpCDD

200528R2_8



F4:Voltage SIR,EI+
435.817
3.835e+006

200528R2_8



F4:Voltage SIR,EI+
437.814
3.713e+006

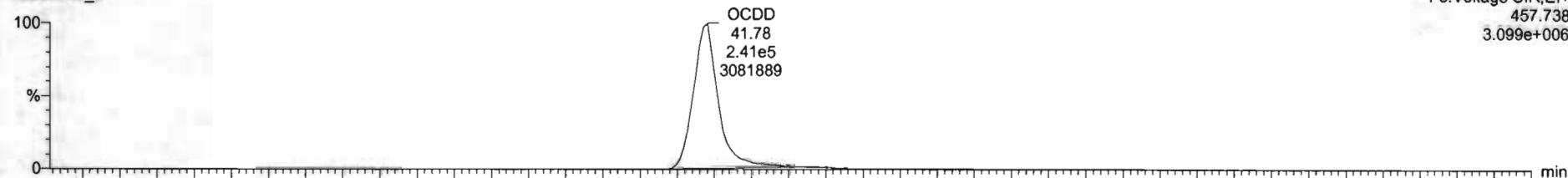
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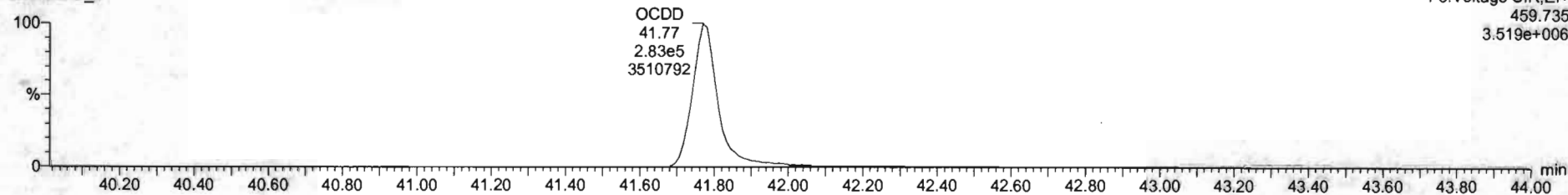
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OCDD

200528R2_8

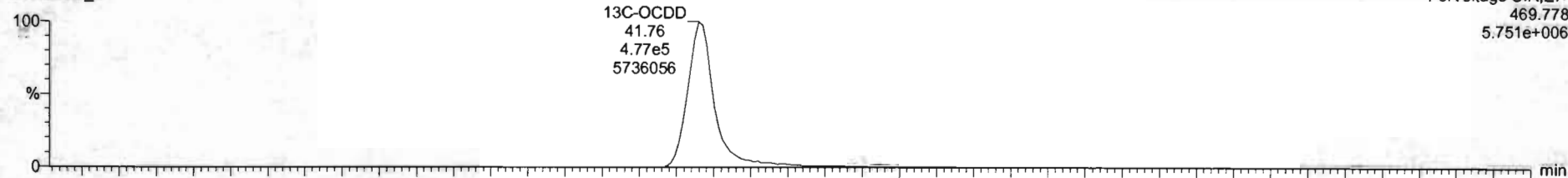


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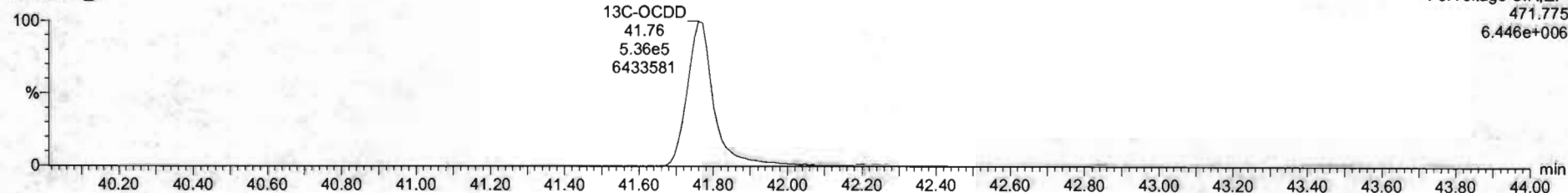


13C-OCDD

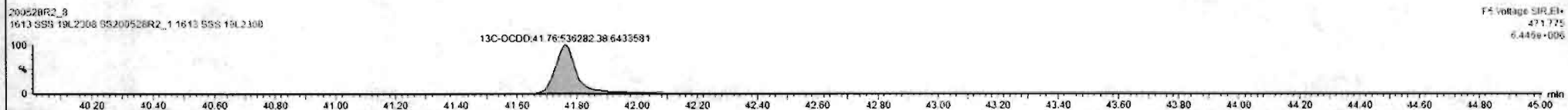
200528R2_8



200528R2_8



Name	Resp	RA	dy	RRF	wtVol	RT	RRT	Conc	%Rec	OL	EMPC
1 2,3,7,8-TCDD	1.24e5	0.78	NO	0.8863	1.000	26.57	1.001	11.1	111	0.0252	11.1
2 1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.9081	1.000	31.51	1.000	58.4	113	0.0622	56.1
3 1,2,3,4,7,8-HxCDD	2.86e5	1.22	NO	1.0334	1.000	34.88	1.000	56.0	116	0.101	58.0
4 1,2,3,6,7,8-HxCDD	4.38e5	1.22	NO	0.8923	1.000	34.99	1.000	58.0	116	0.105	56.6
5 1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.8265	1.000	35.26	1.000	57.1	114	0.119	57.1
6 1,2,3,4,6,7,8-HpCDD	2.67e5	1.03	NO	0.8639	1.000	36.60	1.000	55.6	112	0.168	58.6
7 OCDD	5.15e5	0.88	NO	0.9138	1.000	41.78	1.001	111	111	0.171	111
8 2,3,7,8-TCDF	1.46e5	0.75	NO	0.7510	1.000	25.88	1.001	11.4	114	0.0333	11.4
9 1,2,3,7,8-PeCDF	6.77e5	1.54	NO	0.8925	1.000	30.23	1.001	55.7	111	0.0642	55.7
10 2,3,4,7,8-PeCDF	7.62e5	1.54	NO	0.9348	1.000	31.21	1.000	62.1	124	0.0853	62.1
11 1,2,3,4,7,8-HxCDF	4.38e5	1.19	NO	0.8545	1.000	33.99	1.000	58.9	116	0.114	58.9
12 1,2,3,6,7,8-HxCDF	5.11e5	1.18	NO	0.8852	1.000	34.12	1.000	59.1	115	0.100	59.1
13 2,3,4,6,7,8-HxCDF	4.54e5	1.21	NO	0.9341	1.000	34.21	1.000	57.2	114	0.117	57.2
14 1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.8707	1.000	35.62	1.000	55.3	111	0.174	55.3
15 1,2,3,4,6,7,8-HpCDF	3.18e5	1.01	NO	0.8734	1.000	37.40	1.000	58.9	118	0.186	58.9
16 1,2,3,4,7,8,9-HpCDF	2.44e5	1.00	NO	1.0128	1.000	39.34	1.000	59.2	119	0.193	59.2
17 OCDF	5.22e5	0.87	NO	0.8065	1.000	41.96	1.000	114	114	0.201	114
18 13C-2,3,7,8-TCDD	1.26e6	0.79	NO	1.1563	1.000	26.54	1.025	91.9	91.9	0.0627	
19 13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.8490	1.000	31.50	1.216	86.5	88.5	0.117	
20 13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	34.87	1.014	86.6	88.6	0.180	
21 13C-1,2,3,6,7,8-HxCDD	6.41e5	1.26	NO	1.0167	1.000	34.97	1.017	88.7	88.7	0.136	



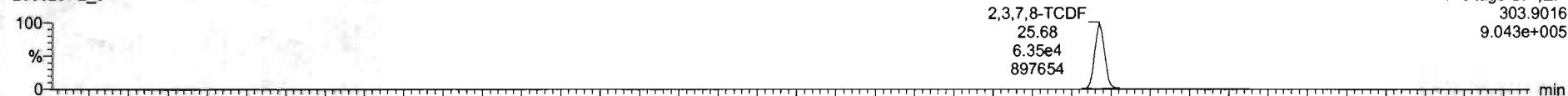
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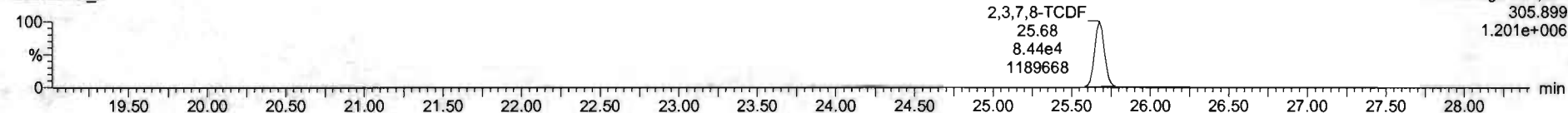
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2,3,7,8-TCDF

200528R2_8

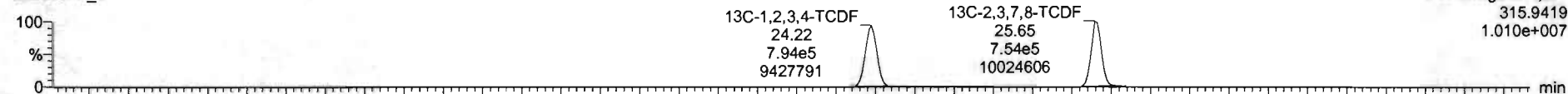


200528R2_8

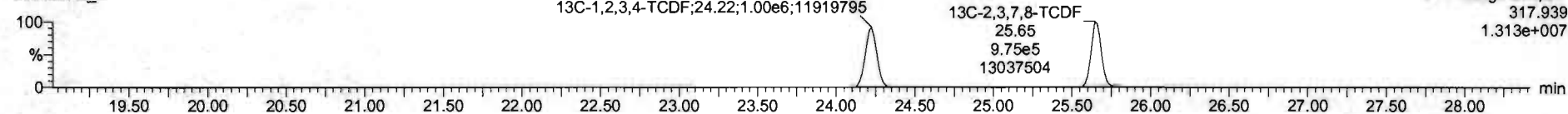


13C-2,3,7,8-TCDF

200528R2_8

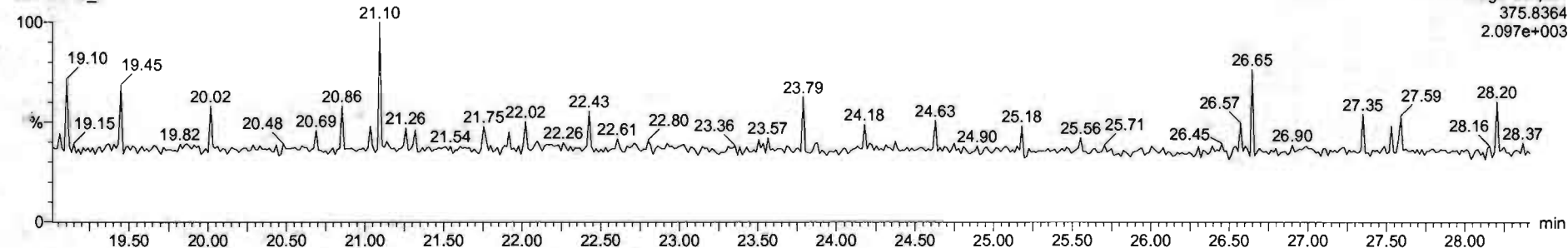


200528R2_8



DPE1

200528R2_8



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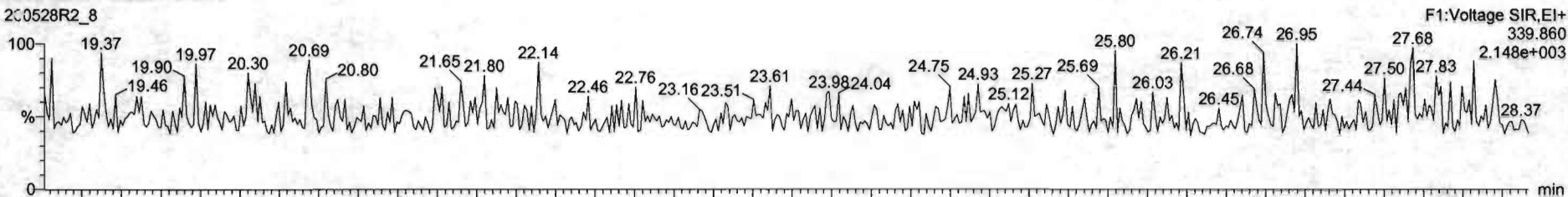
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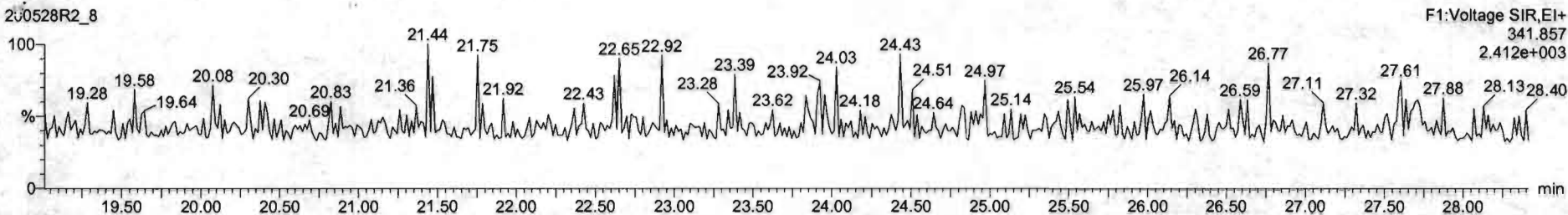
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1st Func. Penta-Furans

200528R2_8

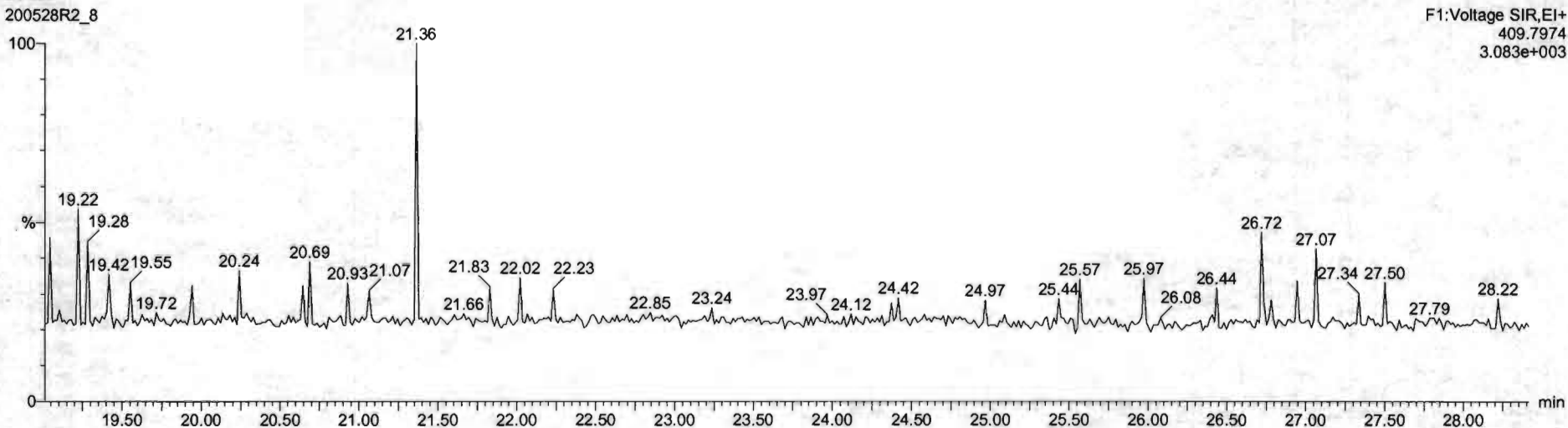


200528R2_8



DPE6

200528R2_8



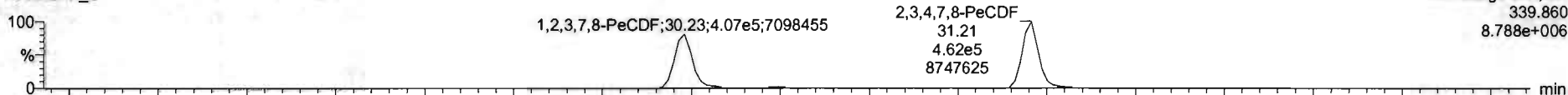
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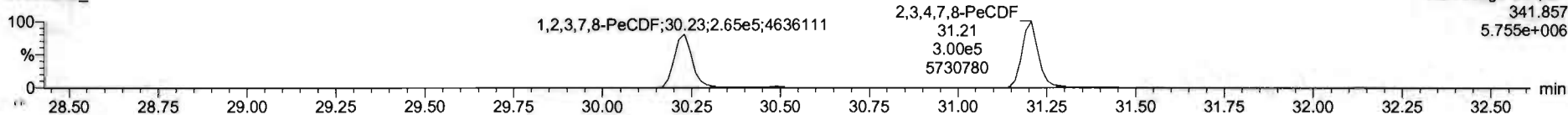
1,2,3,7,8-PeCDF

200528R2_8



F2:Voltage SIR,EI+
339.860
8.788e+006

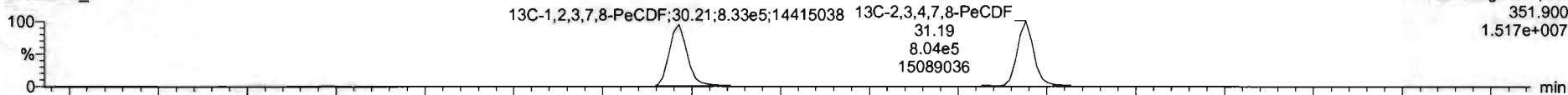
200528R2_8



F2:Voltage SIR,EI+
341.857
5.755e+006

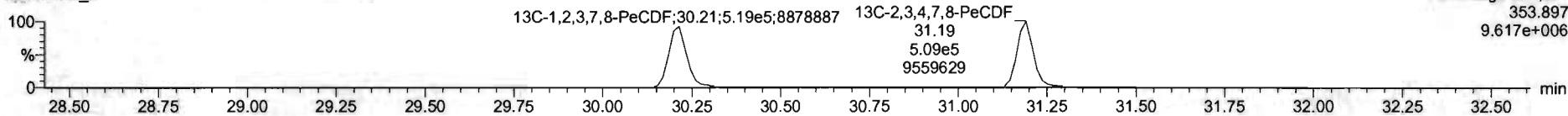
13C-1,2,3,7,8-PeCDF

200528R2_8



F2:Voltage SIR,EI+
351.900
1.517e+007

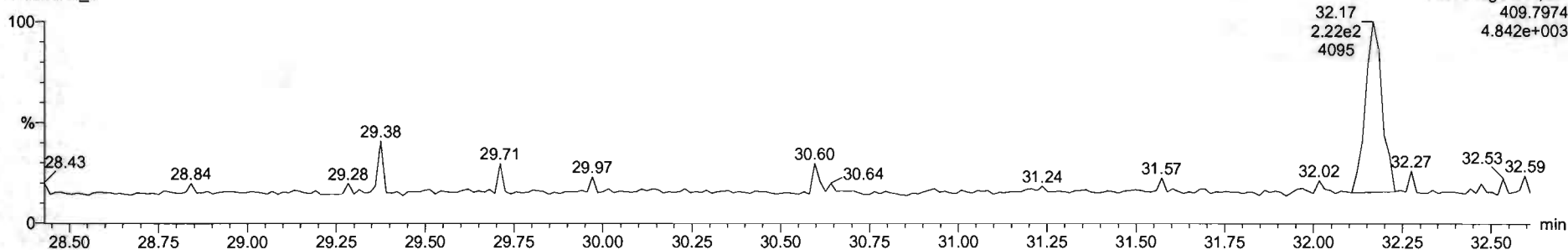
200528R2_8



F2:Voltage SIR,EI+
353.897
9.617e+006

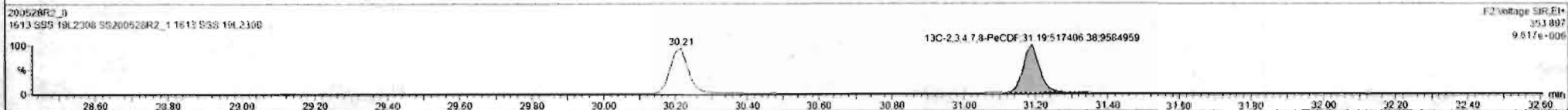
DPE2

200528R2_8



F2:Voltage SIR,EI+
409.7974
4.842e+003

Name	Resp	RA	nly	RRF	wtvol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.24e5	0.76	NO	0.8883	1.000	26.57	1.001	11.1	111	0.0262	11.1
2 1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.9081	1.000	31.51	1.000	56.4	113	0.0622	56.4
3 1,2,3,4,7,8-HxCDD	2.86e5	1.22	NO	1.0334	1.000	34.85	1.000	56.0	116	0.101	56.0
4 1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.8925	1.000	34.99	1.000	58.0	116	0.105	56.0
5 1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.8264	1.000	35.05	1.000	57.1	114	0.119	57.1
6 1,2,3,4,6,7,8-HpCDD	2.87e5	1.02	NO	0.8639	1.000	36.80	1.000	55.8	112	0.168	55.8
7 OCDD	5.15e5	0.38	NO	0.9136	1.000	41.75	1.001	111	111	0.171	111
8 2,3,7,8-TCDF	1.48e5	0.75	NO	0.7510	1.000	25.68	1.001	11.4	114	0.0323	11.4
9 1,2,3,7,8-PeCDF	6.72e5	1.54	NO	0.8925	1.000	20.23	1.001	55.7	111	0.0942	55.7
10 2,3,4,7,8-PeCDF	7.50e5	1.54	NO	0.9348	1.000	31.21	1.000	60.2	120	0.0851	60.2
11 1,2,3,4,7,8-HxCDF	4.36e5	1.19	NO	0.8845	1.000	23.99	1.000	58.9	118	0.114	56.9
12 1,2,3,6,7,8-HxCDF	5.11e5	1.18	NO	0.8252	1.000	34.12	1.000	59.1	118	0.108	59.1
13 2,3,4,6,7,8-HxCDF	4.54e5	1.21	NO	0.9341	1.000	34.71	1.000	57.2	114	0.117	57.2
14 1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.8707	1.000	35.62	1.000	55.3	111	0.174	55.3
15 1,2,3,4,6,7,8-HpCDF	3.18e5	1.01	NO	0.8734	1.000	37.40	1.000	58.9	118	0.186	58.9
16 1,2,3,4,7,8,9-HpCDF	2.44e5	1.00	NO	1.0128	1.000	39.34	1.000	59.2	118	0.198	59.2
17 OCDF	5.22e5	0.87	NO	0.8085	1.000	41.96	1.000	114	114	0.201	114
18 13C-2,3,7,8-TCDD	1.26e6	0.79	NO	1.1563	1.000	26.54	1.025	91.9	91.9	0.0837	
19 13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.8450	1.000	31.50	1.216	88.5	88.5	0.117	
20 13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	24.87	1.014	86.6	86.6	0.180	
21 13C-1,2,3,6,7,8-HxCDD	6.41e5	1.26	NO	1.0167	1.000	34.97	1.017	88.7	88.7	0.128	



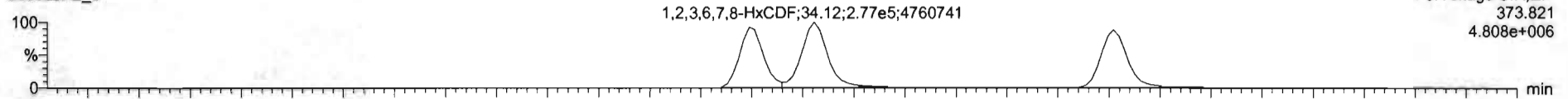
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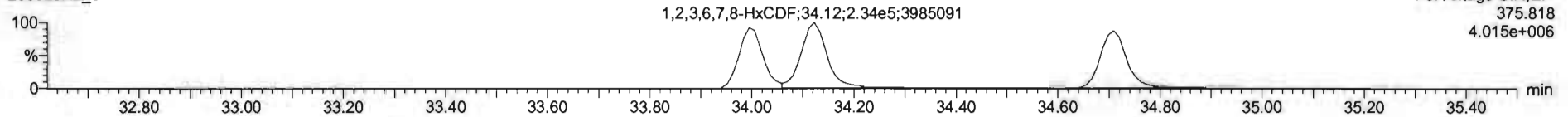
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1,2,3,4,7,8-HxCDF

200528R2_8

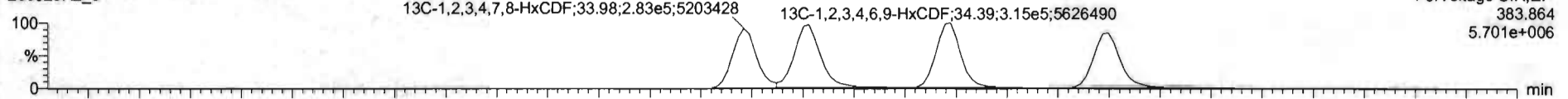


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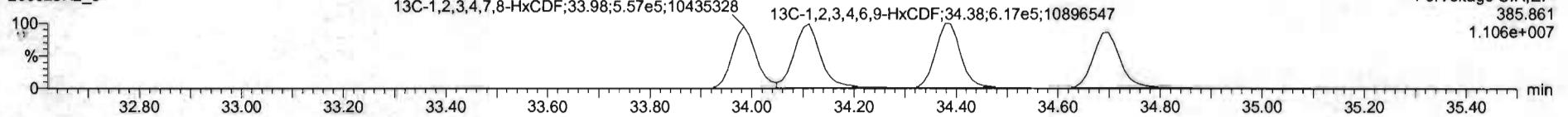


13C-1,2,3,4,7,8-HxCDF

200528R2_8

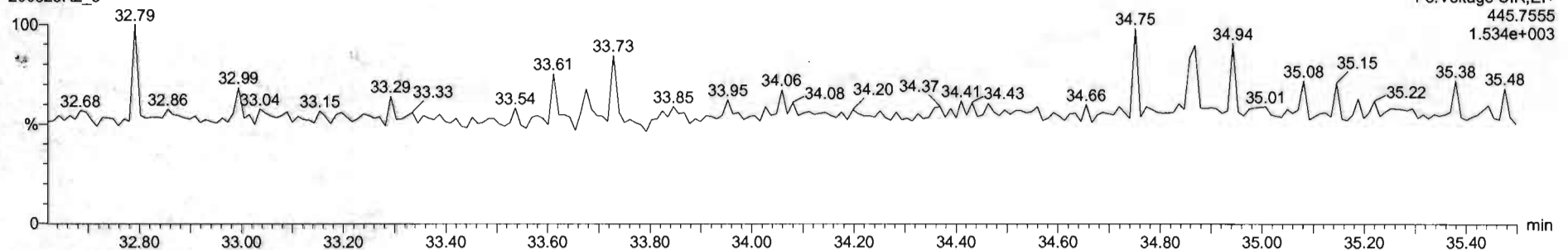


200528R2_8

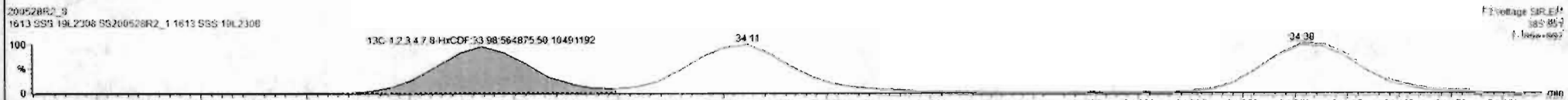
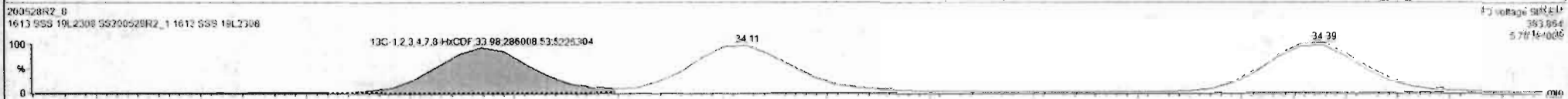
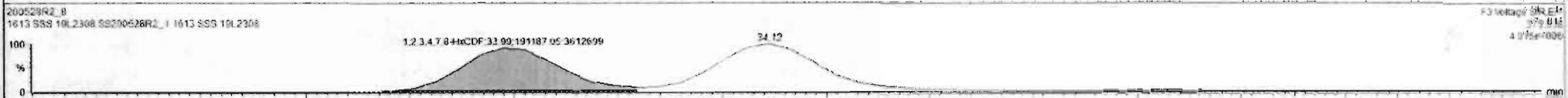
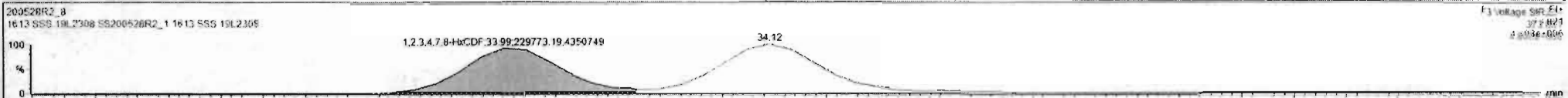


DPE3

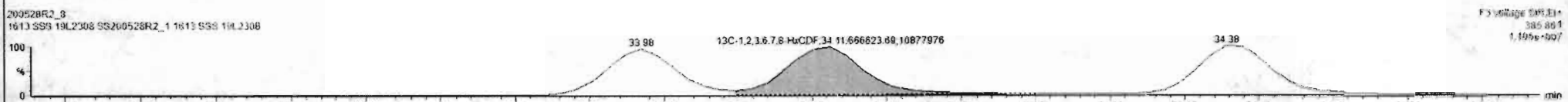
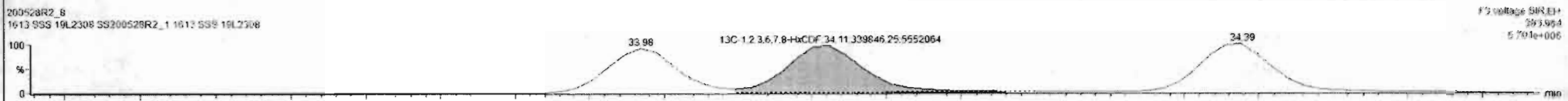
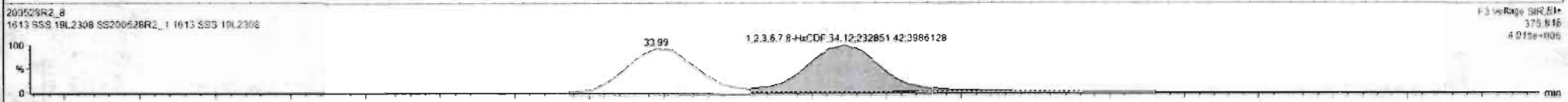
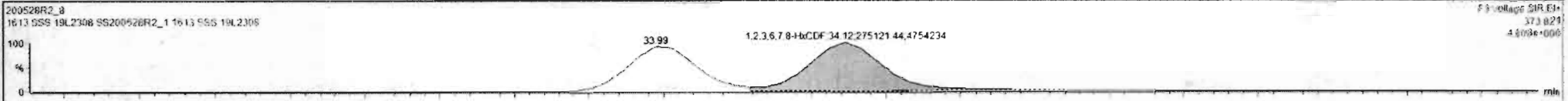
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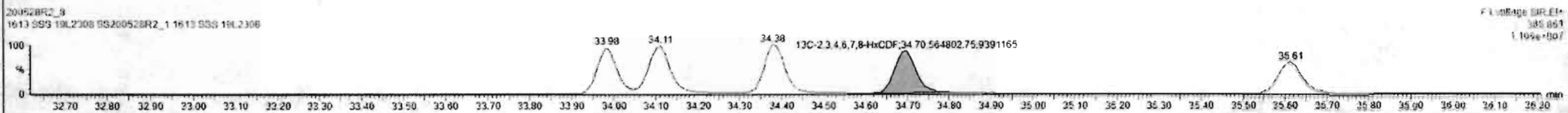
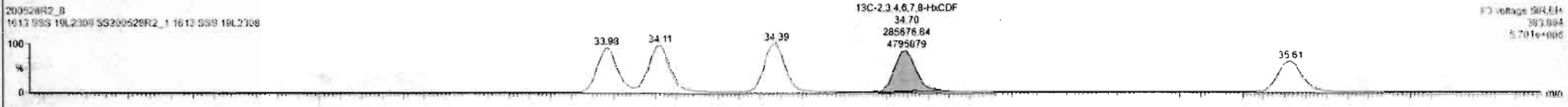
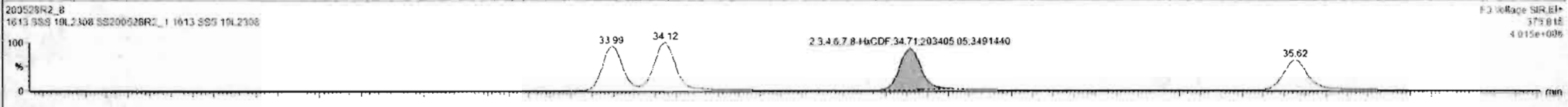
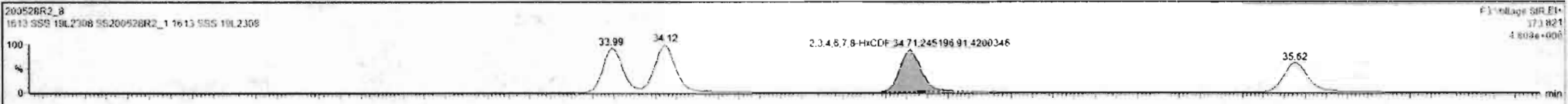
Name	Resp	RA	nly	RRF	wVal	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.24e5	0.76	NO	0.8863	1.000	26.57	1.001	11.1	111	0.0262	11.1
2 1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.8981	1.000	31.51	1.000	56.4	113	0.0622	56.4
3 1,2,3,4,7,8-HxCDD	3.26e5	1.22	NO	1.0334	1.000	24.86	1.000	56.0	116	0.1011	56.0
4 1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.8929	1.000	24.99	1.000	58.0	116	0.105	56.0
5 1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.8869	1.000	25.26	1.000	57.1	114	0.119	57.1
6 1,2,3,4,6,7,8-HpCDD	2.67e5	1.03	NO	0.8639	1.000	25.50	1.000	55.6	112	0.168	55.6
7 OCDD	5.15e5	0.68	NO	0.9136	1.000	41.75	1.001	111	111	0.171	111
8 2,3,7,8-TCDF	1.48e5	0.75	NO	0.7519	1.000	25.65	1.001	11.4	114	0.0333	11.4
9 1,2,3,7,8-PeCDF	6.72e5	1.54	NO	0.8925	1.000	30.23	1.001	55.7	111	0.0942	55.7
10 1,2,3,4,7,8-HxCDF	7.50e5	1.54	NO	0.9346	1.000	21.21	1.000	60.2	120	0.0851	60.2
11 1,2,3,4,7,8-HxCDF	4.21e5	1.20	NO	0.8845	1.000	23.99	1.000	55.9	112	0.113	55.9
12 1,2,3,6,7,8-HxCDF	5.11e5	1.18	NO	0.8882	1.000	24.12	1.000	59.1	118	0.100	59.1
13 2,3,4,6,7,8-HxCDF	4.54e5	1.21	NO	0.9341	1.000	24.71	1.000	57.2	114	0.117	57.2
14 1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.8707	1.000	25.62	1.000	55.3	111	0.174	55.3
15 1,2,3,4,5,7,8-HpCDF	3.16e5	1.01	NO	0.8734	1.000	27.40	1.000	58.9	118	0.186	58.9
16 1,2,3,4,7,8,9-HpCDF	2.44e5	1.00	NO	1.0128	1.000	39.34	1.000	59.2	118	0.199	59.2
17 OCDF	5.22e5	0.87	NO	0.8085	1.000	41.96	1.000	114	114	0.201	114
18 13C-2,3,7,8-TCDD	1.26e6	0.79	NO	1.1563	1.000	26.54	1.025	91.9	91.9	0.0837	
19 13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.8450	1.000	31.50	1.216	86.5	88.5	0.117	
20 13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	24.87	1.014	85.6	88.6	0.160	
21 13C-1,2,3,6,7,8-HxCDD	6.41e5	1.36	NO	1.0187	1.000	24.97	1.017	88.7	88.7	0.128	



Name	Reap	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.24e5	0.76	NO	0.8863	1.000	26.67	1.001	11.1	111	0.0262	11.1
2 1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.9081	1.000	31.53	1.000	56.4	113	0.0622	56.4
3 1,2,3,4,7,8-HxCDD	3.86e5	1.22	NO	1.0334	1.000	34.86	1.000	56.0	116	0.101	56.0
4 1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.8973	1.000	34.99	1.000	58.0	116	0.105	58.0
5 1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.8969	1.000	35.26	1.000	57.1	114	0.119	57.1
6 1,2,3,4,5,7,8-HpCDD	2.67e5	1.02	NO	0.8639	1.000	36.60	1.000	55.6	112	0.168	55.6
7 OCDD	5.15e5	0.88	NO	0.9136	1.000	41.78	1.001	111	111	0.171	111
8 2,3,7,8-TCDF	1.48e5	0.75	NO	0.7510	1.000	25.68	1.001	11.4	114	0.0333	11.4
9 1,2,3,7,8-PeCDF	6.72e5	1.54	NO	0.8925	1.000	30.23	1.001	55.7	111	0.0542	55.7
10 1,2,3,7,8-PeCDF	7.50e5	1.54	NO	0.9348	1.000	21.21	1.000	60.2	120	0.0851	60.2
11 1,2,3,4,7,8-HxCDF	4.21e5	1.20	NO	0.6845	1.000	23.99	1.000	55.9	112	0.113	55.9
12 1,2,3,6,7,8-HxCDF	5.06e5	1.18	NO	0.6892	1.000	34.12	1.000	56.3	114	0.127	56.3
13 2,3,4,6,7,8-HxCDF	4.54e5	1.21	NO	0.9341	1.000	34.71	1.000	57.2	114	0.117	57.2
14 1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.8707	1.000	35.62	1.000	55.3	111	0.174	55.3
15 1,2,3,4,5,7,8-HpCDF	3.18e5	1.01	NO	0.8734	1.000	37.40	1.000	58.9	118	0.186	58.9
16 1,2,3,4,7,8,9-HpCDF	2.44e5	1.00	NO	1.0128	1.000	39.34	1.000	59.2	118	0.198	59.2
17 OCDF	5.22e5	0.87	NO	0.8085	1.000	41.96	1.000	114	114	0.201	114
18 13C-2,3,7,8-TCDD	1.76e6	0.79	NO	1.1563	1.000	26.54	1.025	91.9	91.5	0.0837	
19 13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.8450	1.000	31.50	1.216	88.5	88.5	0.117	
20 13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	34.87	1.014	86.6	86.6	0.180	
21 13C-1,2,3,6,7,8-HxCDD	6.41e5	1.26	NO	1.0167	1.000	34.97	1.017	88.7	88.7	0.136	



SI	Name	Resp	RA	Adj	RFI	WVol	RT	RRT	Conc	%Rec	DL	EMFC
1	2,3,7,8-TCDD	1.24e5	0.78	NO	0.8883	1.000	26.57	1.001	11.1	111	0.0262	11.1
2	1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.9081	1.000	31.51	1.000	58.4	113	0.0622	56.4
3	1,2,3,4,7,8-HxCDD	3.66e5	1.22	NO	1.0314	1.000	34.88	1.000	56.0	116	0.101	58.0
4	1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.8923	1.000	34.99	1.000	58.0	116	0.100	58.0
5	1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.8869	1.000	35.26	1.000	57.1	114	0.119	57.1
6	1,2,3,4,6,7,8-HpCDD	2.67e5	1.93	NO	0.9039	1.000	38.80	1.000	55.8	112	0.160	55.8
7	OCDD	5.15e5	0.88	NO	0.9136	1.000	41.78	1.001	111	111	0.171	111
8	2,3,7,8-TCDF	1.48e5	0.75	NO	0.7510	1.000	25.88	1.001	11.4	114	0.0333	11.4
9	1,2,3,7,8-PeCDF	6.72e5	1.54	NO	0.8925	1.000	30.23	1.001	55.7	111	0.0942	55.7
10	1,2,3,4,7,8-HxCDF	7.50e5	1.54	NO	0.9148	1.000	31.21	1.000	60.2	120	0.0851	60.2
11	1,2,3,4,7,8-HxCDF	4.21e5	1.20	NO	0.8845	1.000	33.99	1.000	55.9	112	0.113	55.9
12	1,2,3,6,7,8-HxCDF	5.06e5	1.16	NO	0.8852	1.000	34.12	1.000	56.8	114	0.107	56.8
13	2,3,4,6,7,8-HxCDF	4.49e5	1.21	NO	0.9341	1.000	34.71	1.000	56.5	113	0.117	56.5
14	1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.8797	1.000	35.62	1.000	55.3	111	0.174	55.3
15	1,2,3,4,6,7,8-HpCDF	3.18e5	1.01	NO	0.8734	1.000	37.40	1.000	58.9	118	0.196	58.9
16	1,2,3,4,7,8,9-HpCDF	2.44e5	1.00	NO	1.0128	1.000	39.34	1.000	59.2	118	0.198	59.2
17	OCDF	5.22e5	0.87	NO	0.8085	1.000	41.96	1.000	114	114	0.201	114
18	13C-2,3,7,8-TCDD	1.26e6	0.75	NO	1.1583	1.000	26.54	1.025	91.9	91.9	0.0637	
19	13C-1,2,3,7,8-PeCDD	8.92e5	0.84	NO	0.8490	1.000	31.50	1.216	88.5	88.5	0.117	
20	13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	34.87	1.014	86.6	86.6	0.180	
21	13C-1,2,3,6,7,8-HxCDD	6.41e5	1.26	NO	1.0187	1.000	34.97	1.017	88.7	88.7	0.136	



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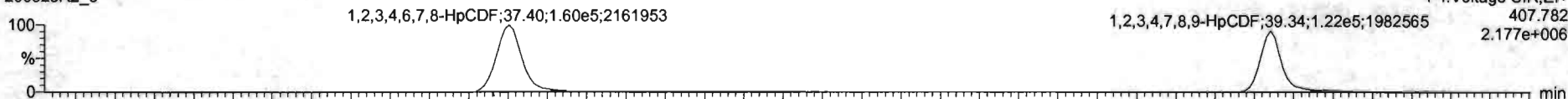
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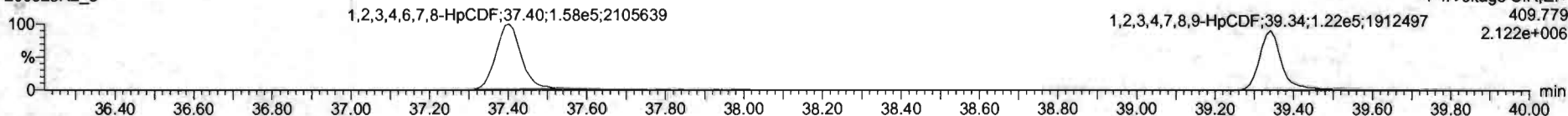
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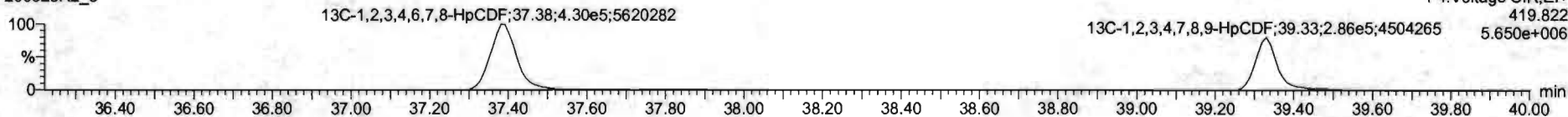


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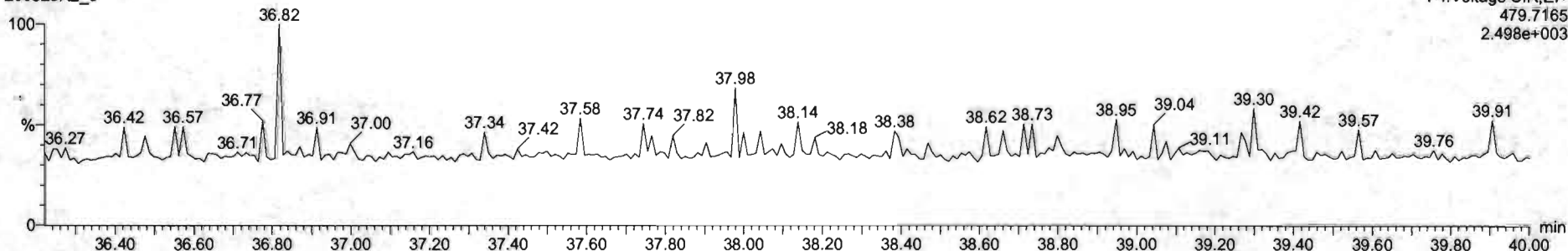


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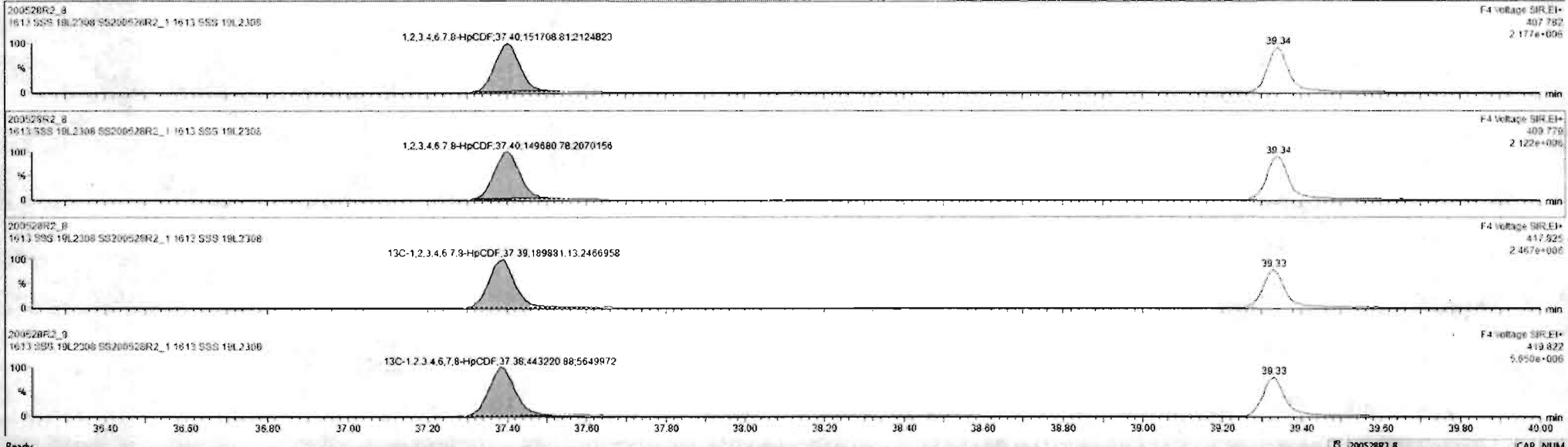


DPE4

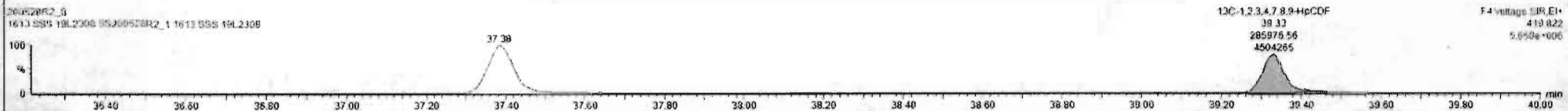
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Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2.3.7.8-TCDD	1.24e5	0.78	NO	0.8883	1.000	26.57	1.001	11.1	111	0.0262	11.1
2 1,2.3.7.8-PeCDD	5.57e5	0.62	NO	0.9081	1.000	31.51	1.000	58.4	113	0.0622	58.4
3 1,2.3.4.7.8-HxCDD	3.56e5	1.22	NO	1.0334	1.000	34.85	1.000	56.0	116	0.101	56.0
4 1,2.3.6.7.8-HxCDD	4.35e5	1.22	NO	0.8523	1.000	34.99	1.000	58.0	118	0.105	58.0
5 1,2.3.7.8.9-HxCDD	3.74e5	1.23	NO	0.8265	1.000	35.26	1.000	57.1	114	0.119	57.1
6 1,2.3.4.6.7.8-HpCDD	2.67e5	1.03	NO	0.8639	1.000	36.80	1.000	55.8	112	0.168	55.8
7 OCDD	5.15e5	0.88	NO	0.9136	1.000	41.78	1.001	111	111	0.171	111
8 2.3.7.8-TCDF	1.48e5	0.75	NO	0.7510	1.000	25.68	1.001	11.4	114	0.0533	11.4
9 1,2.3.7.8-PeCDF	6.72e5	1.54	NO	0.8025	1.000	30.23	1.001	25.7	111	0.0542	25.7
10 2.3.4.7.5-PeCDF	7.50e5	1.54	NO	0.9348	1.000	31.21	1.000	60.2	120	0.0851	60.2
11 1,2.3.4.7.8-HxCDF	4.21e5	1.20	NO	0.8845	1.000	33.95	1.000	55.9	112	0.113	55.9
12 1,2.3.6.7.8-HxCDF	5.08e5	1.18	NO	0.8862	1.000	34.12	1.000	56.8	114	0.107	56.8
13 2.3.4.6.7.8-HxCDF	4.45e5	1.21	NO	0.9341	1.000	34.71	1.000	56.5	113	0.117	56.5
14 1,2.3.7.8.9-HxCDF	3.53e5	1.18	NO	0.8707	1.000	35.62	1.000	55.3	111	0.174	55.3
15 1,2,3,4,6,7,8-HpCDF	3.01e5	1.01	NO	0.8734	1.000	37.48	1.000	54.5	108	0.152	54.5
16 1,2,3,4,7,8,9-HpCDF	2.44e5	1.09	NO	1.0128	1.000	39.34	1.000	59.2	118	0.198	59.2
17 OCDF	5.27e5	0.87	NO	0.8065	1.000	41.96	1.000	114	114	0.201	114
18 13C-2.3.7.8-TCDD	1.28e6	0.79	NO	1.1563	1.000	26.54	1.025	91.9	91.9	0.0637	
19 13C-1,2.3.7.8-PeCDD	8.92e5	0.64	NO	0.8490	1.000	31.50	1.216	66.5	68.5	0.117	
20 13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	34.87	1.014	86.6	88.6	0.180	
21 13C-1,2,3,6,7,8-HxCDD	8.41e5	1.26	NO	1.0167	1.000	34.97	1.017	86.7	86.7	0.138	



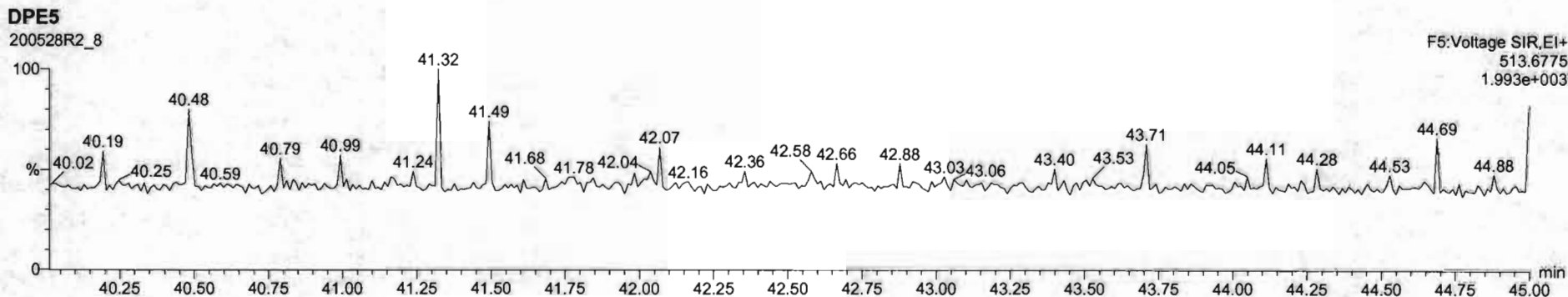
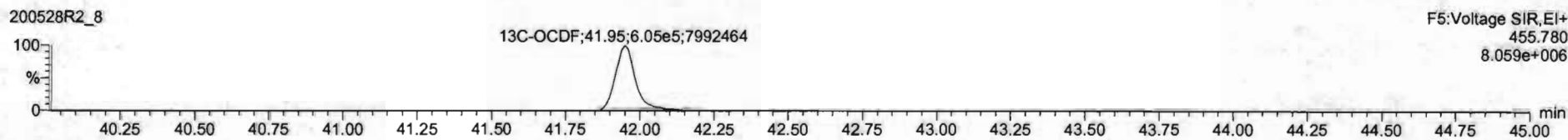
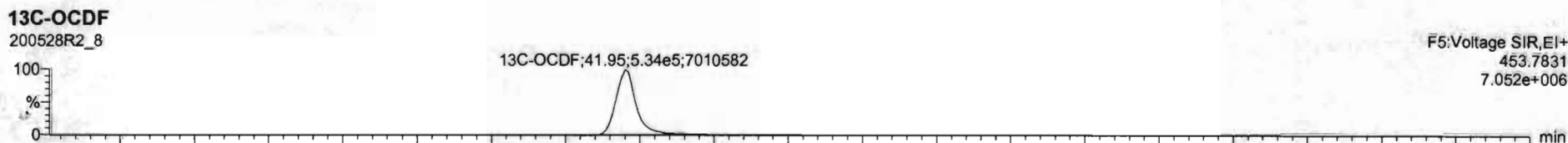
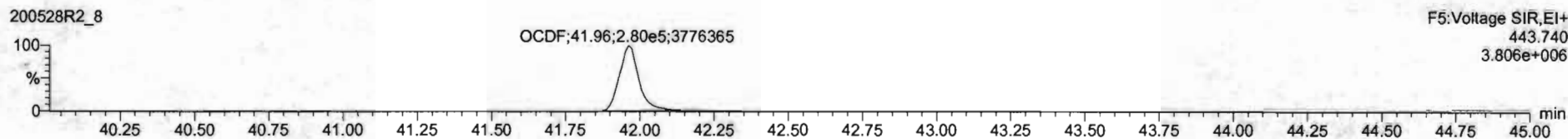
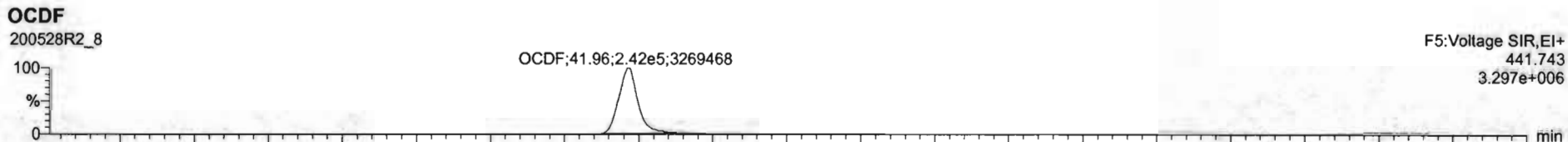
#	Name	Resp	RA	nfy	RRF	wVol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.24e5	0.76	NO	0.8883	1.000	26.57	1.001	11.1	111	0.0262	11.1
2	1,2,3,7,8-PeCDD	4.57e5	0.82	NO	0.9081	1.000	31.01	1.000	58.4	113	0.0622	58.4
3	1,2,3,4,7,8-HxCDD	2.56e5	1.22	NO	1.0334	1.000	24.86	1.000	58.0	116	0.101	58.0
4	1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.8923	1.000	24.99	1.000	58.0	116	0.105	58.0
5	1,2,3,7,8,9-HxCDD	3.74e5	1.23	NO	0.8265	1.000	26.26	1.000	57.1	114	0.119	57.1
6	1,2,3,4,6,7,8-HpCDD	2.61e5	1.03	NO	0.8639	1.000	26.60	1.000	58.6	112	0.168	58.6
7	OCDD	5.15e5	0.88	NO	0.9136	1.000	41.78	1.001	111	111	0.171	111
8	2,3,7,8-TCDF	1.48e5	0.75	NO	0.7510	1.000	25.68	1.001	11.4	114	0.0303	11.4
9	1,2,3,7,8-PeCDF	4.72e5	1.54	NO	0.8925	1.000	30.23	1.001	55.7	111	0.0642	55.7
10	2,3,4,7,8-PeCDF	7.58e5	1.54	NO	0.9346	1.000	31.21	1.000	50.2	126	0.0851	60.2
11	1,2,2',4',7,8-HxCDF	4.21e5	1.20	NO	0.8545	1.000	33.99	1.000	55.9	112	0.113	55.9
12	1,2,3,6,7,8-HxCDF	2.08e5	1.18	NO	0.8892	1.000	34.12	1.000	58.8	114	0.107	58.8
13	2,3,4,6,7,8-HxCDF	4.48e5	1.21	NO	0.9341	1.000	24.71	1.000	58.5	113	0.117	58.5
14	1,2,3,7,8,9-HxCDF	3.53e5	1.18	NO	0.8707	1.000	25.82	1.000	55.3	111	0.174	55.3
15	1,2,3,4,6,7,8-HpCDF	3.01e5	1.01	NO	0.8734	1.000	37.40	1.000	54.5	109	0.182	54.5
16	1,2,3,4,7,8,9-HpCDF	2.38e5	1.00	NO	1.0128	1.000	39.24	1.000	57.3	115	0.198	57.3
17	OCDF	5.27e5	0.67	NO	0.8065	1.000	41.96	1.000	114	114	0.201	114
18	13C-2,3,7,8-TCDD	1.26e6	0.79	NO	1.1583	1.000	26.54	1.025	91.9	91.9	0.0837	
19	13C-1,2,3,7,8-PeCDD	8.92e5	0.64	NO	0.8490	1.000	31.50	1.216	86.5	88.5	0.117	
20	13C-1,2,3,4,7,8-HxCDD	6.43e5	1.29	NO	0.7790	1.000	24.87	1.014	88.6	88.6	0.180	
21	13C-1,2,3,6,7,8-HxCDD	6.41e5	1.26	NO	1.0167	1.000	24.97	1.017	88.7	88.7	0.138	



Dataset: Untitled

Last Altered: Friday, May 29, 2020 7:38:11 AM Pacific Daylight Time
Printed: Friday, May 29, 2020 7:38:30 AM Pacific Daylight Time

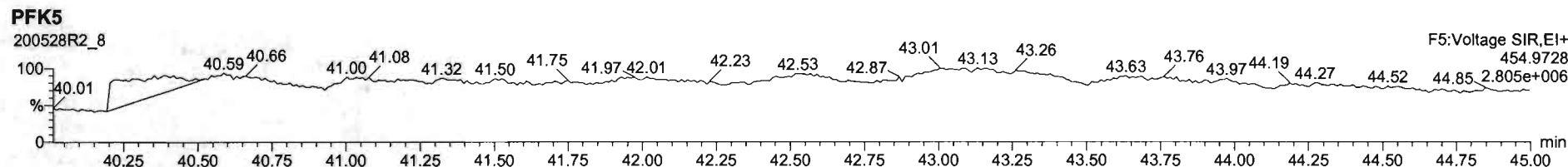
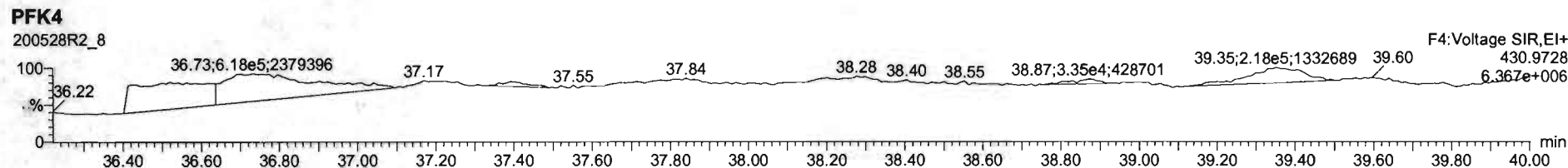
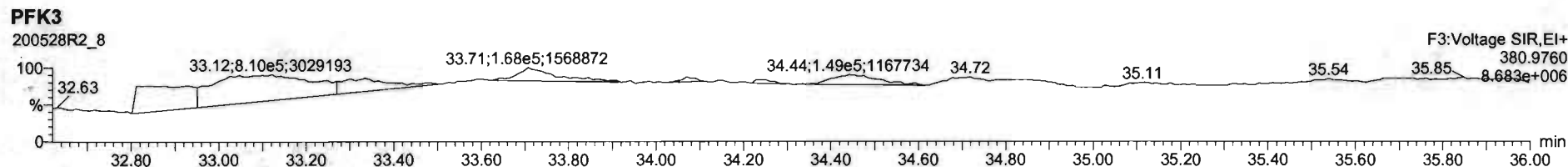
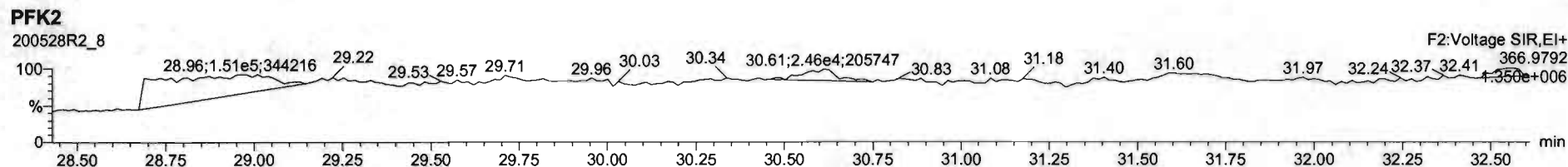
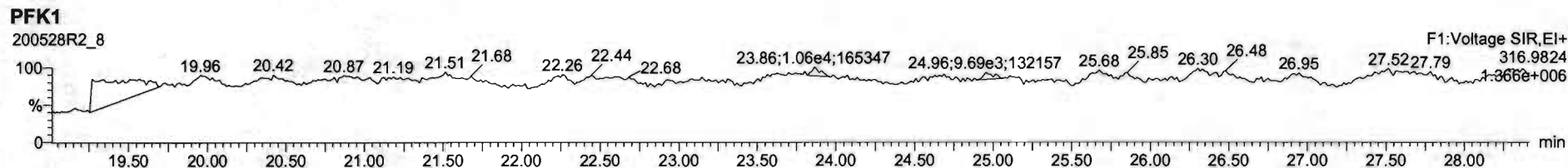
Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308



Dataset: Untitled

Last Altered: Friday, May 29, 2020 7:38:11 AM Pacific Daylight Time
Printed: Friday, May 29, 2020 7:38:30 AM Pacific Daylight Time

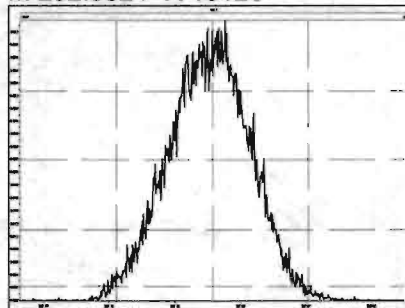
Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308



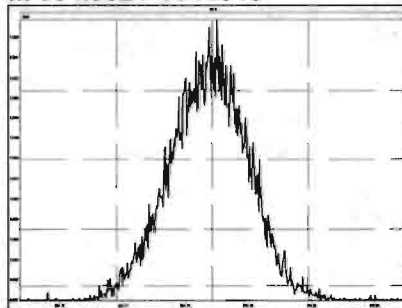
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Friday, May 29, 2020 07:19:01 Pacific Daylight Time

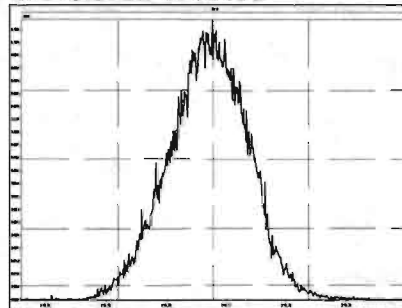
M 292.9824 R 10120



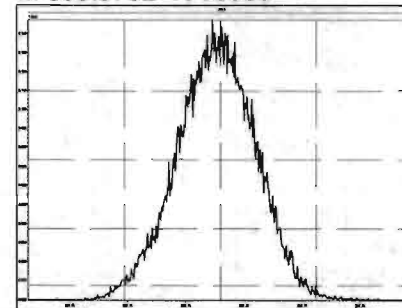
M 304.9824 R 11015



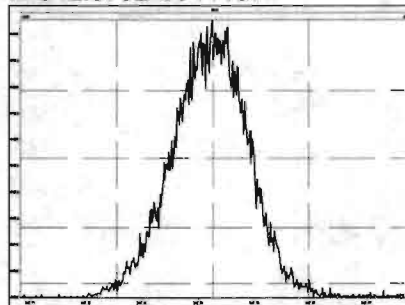
M 318.9792 R 10460



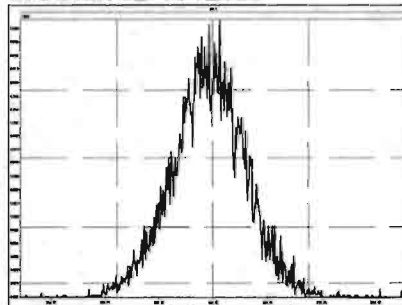
M 330.9792 R 10083



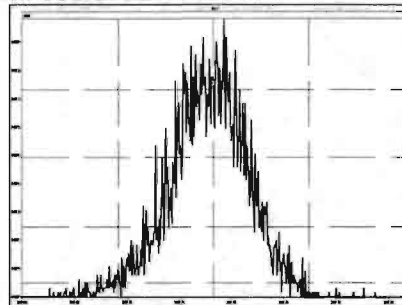
M 342.9792 R 11107



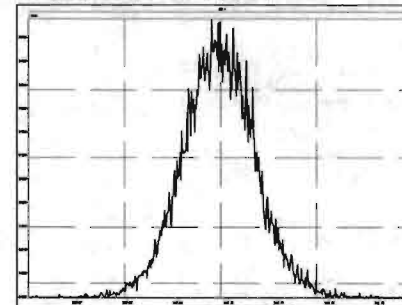
M 354.9792 R 12193



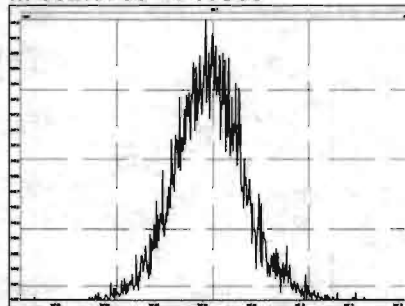
M 366.9792 R 12311



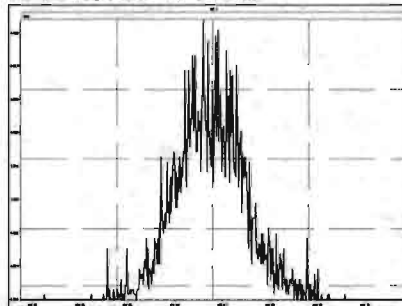
M 380.9760 R 11904



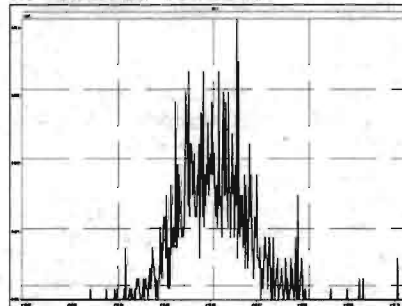
M 392.9760 R 13589



M 404.9760 R 14045



M 416.9760 R 18245



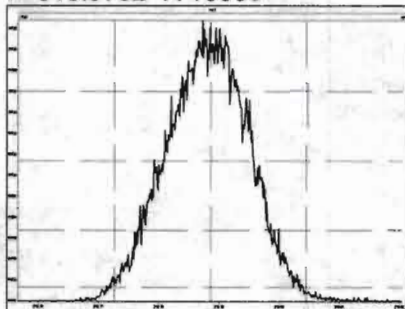
Experiment Calibration Report

MassLynx 4.1 SCN815

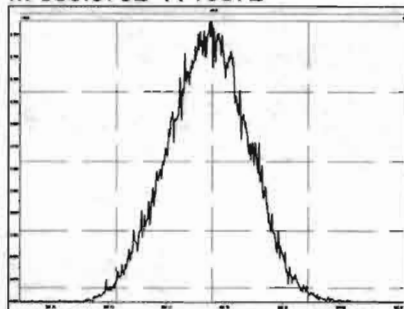
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Friday, May 29, 2020 07:19:21 Pacific Daylight Time

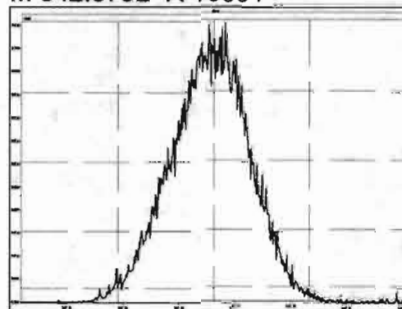
M 318.9792 R 10000



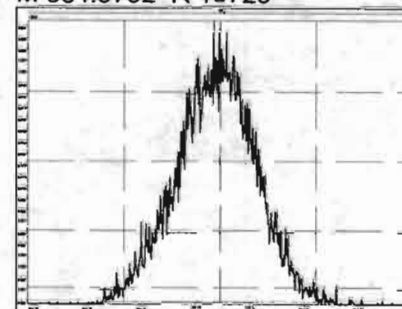
M 330.9792 R 10372



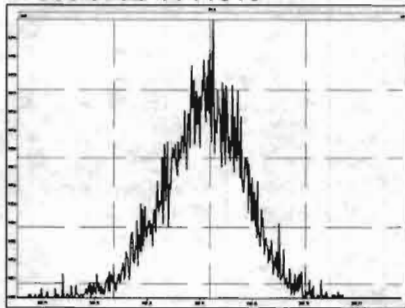
M 342.9792 R 10001



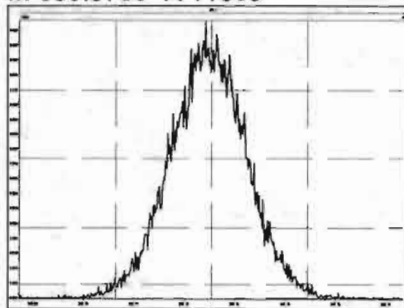
M 354.9792 R 10729



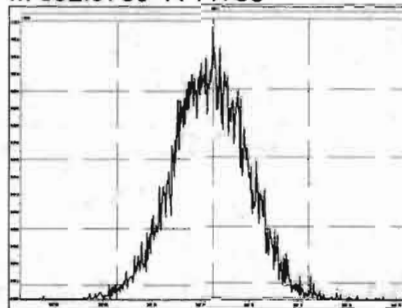
M 366.9792 R 11015



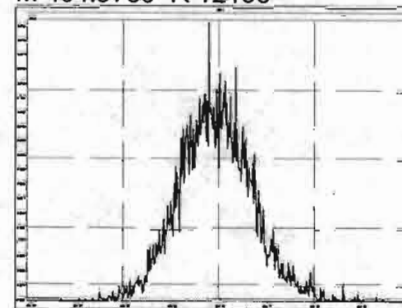
M 380.9760 R 11009



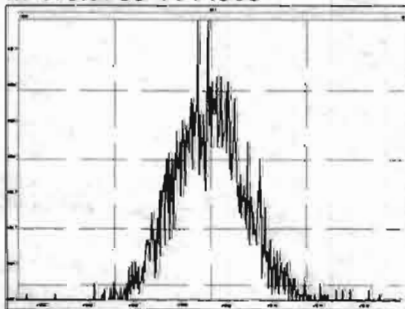
M 392.9760 R 11735



M 404.9760 R 12196



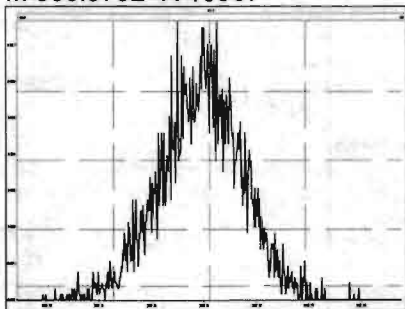
M 416.9760 R 14968



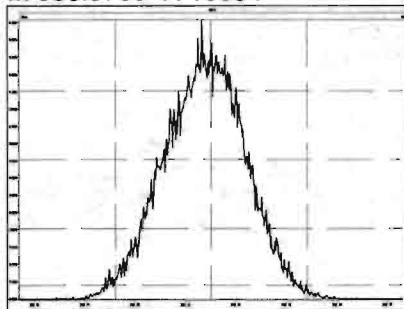
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, May 29, 2020 07:19:38 Pacific Daylight Time

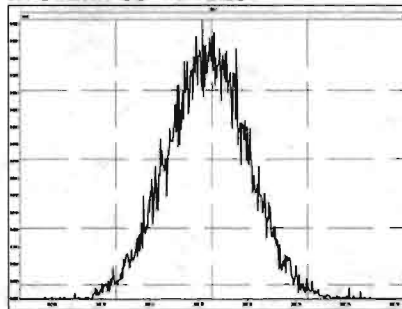
M 366.9792 R 10967



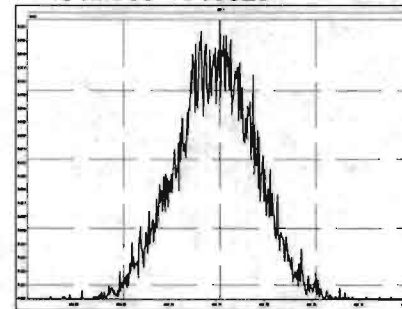
M 380.9760 R 10684



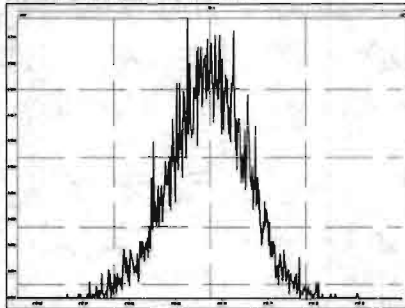
M 392.9760 R 10207



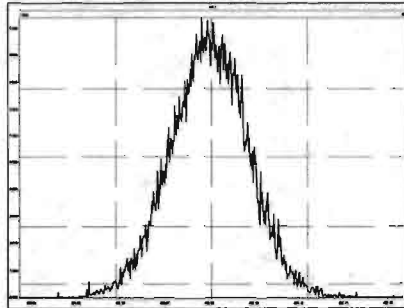
M 404.9760 R 10823



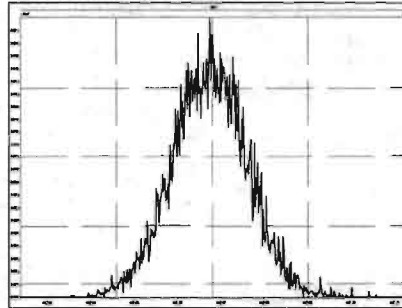
M 416.9760 R 11160



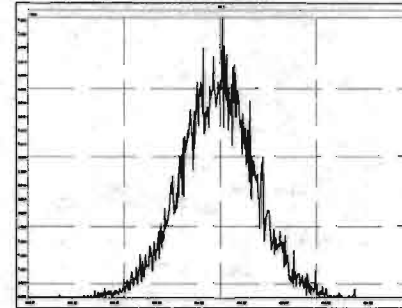
M 430.9728 R 11208



M 442.9728 R 12195



M 454.9728 R 10963



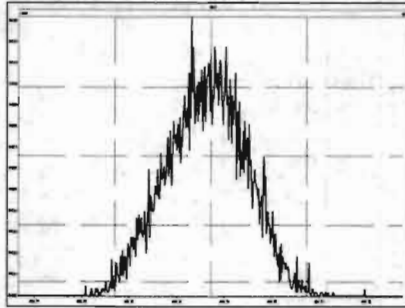
Experiment Calibration Report

MassLynx 4.1 SCN815

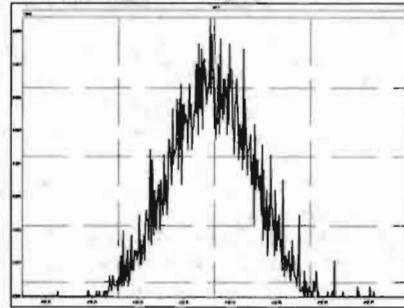
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Friday, May 29, 2020 07:19:53 Pacific Daylight Time

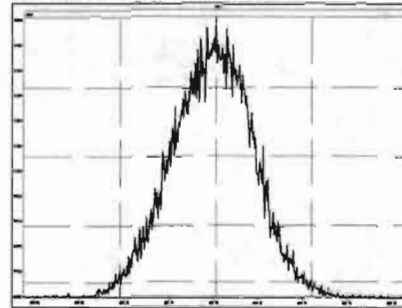
M 404.9760 R 10963



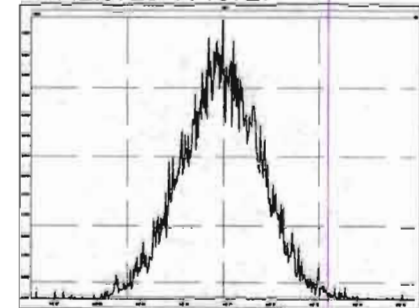
M 416.9760 R 10593



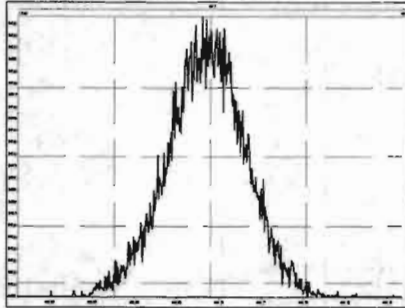
M 430.9728 R 10372



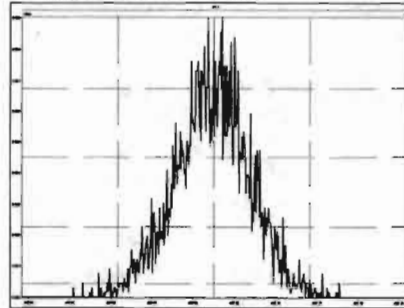
M 442.9728 R 10727



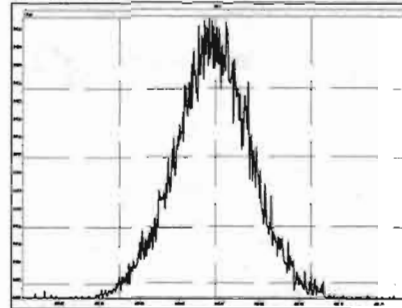
M 454.9728 R 11792



M 466.9728 R 12628



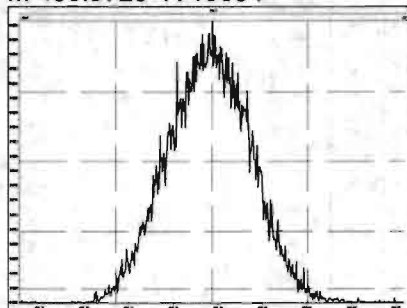
M 480.9696 R 11111



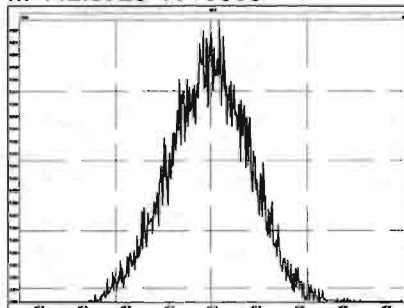
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Friday, May 29, 2020 07:20:18 Pacific Daylight Time

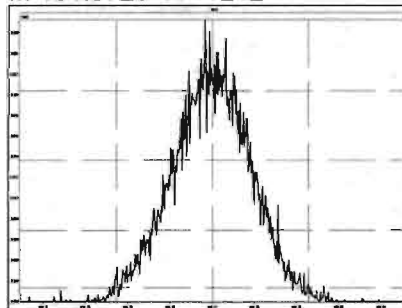
M 430.9728 R 10684



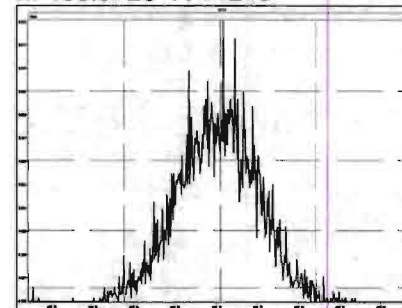
M 442.9728 R 10868



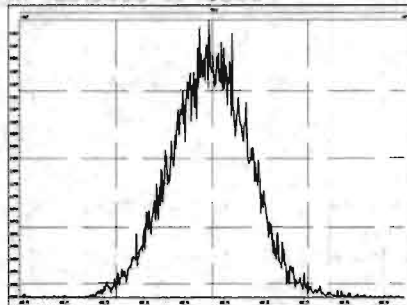
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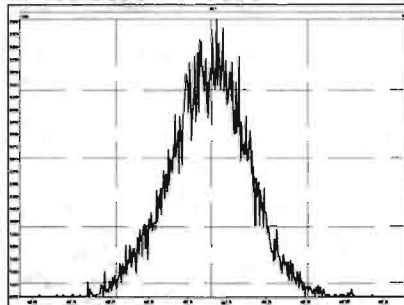
M 466.9728 R 11210



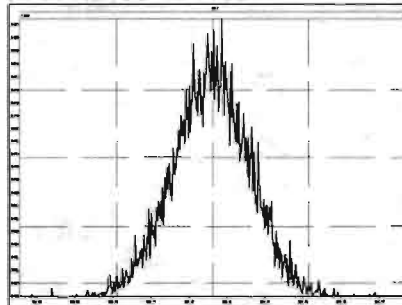
M 480.9696 R 10963



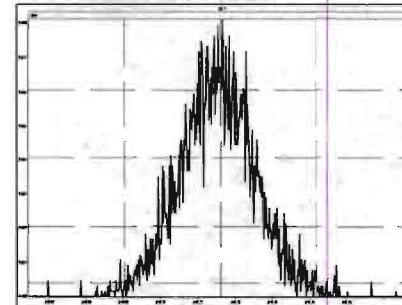
M 492.9696 R 10593



M 504.9696 R 11681



M 516.9697 R 11905



Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:35:39 Pacific Standard Time

DB 2/12/20 0102/12/2020

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 10:17:56

Compound name: 2,3,7,8-TCDF

Response Factor: 0.9819
RRF SD: 0.0791981, Relative SD: 8.06581
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Std. Conc	RA	n/y	RT	Resp	IS Resp	Conc.	RRF
1	1 200211D2_3	0.250	0.86	NO	17.23	3.04e2	1.39e5	0.223	0.876
2	2 200211D2_4	0.500	0.66	NO	17.22	6.08e2	1.13e5	0.549	1.08
3	3 200211D2_5	2.00	0.73	NO	17.23	2.63e3	1.30e5	2.06	1.01
4	4 200211D2_6	10.0	0.75	NO	17.23	1.15e4	1.25e5	9.33	0.916
5	5 200211D2_7	40.0	0.74	NO	17.23	5.76e4	1.51e5	39.0	0.957
6	6 200211D2_8	300	0.73	NO	17.23	4.81e5	1.52e5	321	1.05

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 1.08271
RRF SD: 0.0939058, Relative SD: 8.67318
Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Std. Conc	RA	n/y	RT	Resp	IS Resp	Conc.	RRF
1	1 200211D2_3	100	0.72	NO	17.20	1.39e5	1.13e5	113	1.23
2	2 200211D2_4	100	0.71	NO	17.20	1.13e5	1.14e5	91.7	0.993
3	3 200211D2_5	100	0.71	NO	17.20	1.30e5	1.34e5	89.3	0.967
4	4 200211D2_6	100	0.75	NO	17.20	1.25e5	1.15e5	101	1.09
5	5 200211D2_7	100	0.71	NO	17.20	1.51e5	1.35e5	103	1.11
6	6 200211D2_8	100	0.72	NO	17.20	1.52e5	1.38e5	102	1.11

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:35:39 Pacific Standard Time

Compound name: 13C-1,2,3,4-TCDF

Response Factor: 1

RRF SD: 7.02167e-017, Relative SD: 7.02167e-015

Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Std. Conc	RA	n/y	RT	Resp	IS Resp	Conc.	RRF
1	1 200211D2_3	100	0.70	NO	15.17	1.13e5	1.13e5	100	1.00
2	2 200211D2_4	100	0.71	NO	15.18	1.14e5	1.14e5	100	1.00
3	3 200211D2_5	100	0.74	NO	15.17	1.34e5	1.34e5	100	1.00
4	4 200211D2_6	100	0.72	NO	15.17	1.15e5	1.15e5	100	1.00
5	5 200211D2_7	100	0.73	NO	15.17	1.35e5	1.35e5	100	1.00
6	6 200211D2_8	100	0.73	NO	15.17	1.38e5	1.38e5	100	1.00

Compound name: 13C-1,2,3,4-TCDD

Response Factor: 1026.38

RRF SD: 123.841, Relative SD: 12.0658

Response type: External Std, Area

Curve type: RF

	# Name	Std. Conc	RA	n/y	RT	Resp	IS Resp	Conc.	RRF
1	1 200211D2_3	100	0.79	NO	15.78	1.04e5		102	1040
2	2 200211D2_4	100	0.77	NO	15.78	8.57e4		83.5	857
3	3 200211D2_5	100	0.79	NO	15.78	9.44e4		92.0	944
4	4 200211D2_6	100	0.79	NO	15.78	9.87e4		96.1	987
5	5 200211D2_7	100	0.78	NO	15.78	1.13e5		110	1130
6	6 200211D2_8	100	0.78	NO	15.78	1.20e5		116	1200

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time

Printed: Wednesday, February 12, 2020 10:38:05 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24

Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 10:17:56

Name: 200211D2_3, Date: 11-Feb-2020, Time: 21:00:36, ID: ST200211D2-1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

	# Name	Resp	RA	n/y	RRF M...	w/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	3.04e2	0.86	NO	0.982	1.000	17.23	0.22305	89.2	0.0931
2	2 13C-2,3,7,8-TCDF	1.39e5	0.72	NO	1.08	1.000	17.20	113.42	113	0.342
3	3 13C-1,2,3,4-TCDF	1.13e5	0.70	NO	1.00	1.000	15.17	100.00	100	0.371
4	4 13C-1,2,3,4-TCDD	1.04e5	0.79	NO	1030	1.000	15.78	101.65	102	0.291

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time

Printed: Wednesday, February 12, 2020 10:38:05 Pacific Standard Time

Name: 200211D2_4, Date: 11-Feb-2020, Time: 21:32:19, ID: ST200211D2-2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

#	Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	6.08e2	0.66	NO	0.982	1.000	17.22	0.54947	110	0.147
2	2 13C-2,3,7,8-TCDF	1.13e5	0.71	NO	1.08	1.000	17.20	91.711	91.7	0.381
3	3 13C-1,2,3,4-TCDF	1.14e5	0.71	NO	1.00	1.000	15.18	100.00	100	0.412
4	4 13C-1,2,3,4-TCDD	8.57e4	0.77	NO	1030	1.000	15.78	83.528	83.5	0.324

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time

Printed: Wednesday, February 12, 2020 10:38:05 Pacific Standard Time

Name: 200211D2_5, Date: 11-Feb-2020, Time: 22:04:03, ID: ST200211D2-3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

#	Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	2.63e3	0.73	NO	0.982	1.000	17.23	2.0631	103	0.121
2	2 13C-2,3,7,8-TCDF	1.30e5	0.71	NO	1.08	1.000	17.20	89.279	89.3	0.292
3	3 13C-1,2,3,4-TCDF	1.34e5	0.74	NO	1.00	1.000	15.17	100.00	100	0.316
4	4 13C-1,2,3,4-TCDD	9.44e4	0.79	NO	1030	1.000	15.78	92.007	92.0	0.336

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time

Printed: Wednesday, February 12, 2020 10:38:05 Pacific Standard Time

Name: 200211D2_6, Date: 11-Feb-2020, Time: 22:35:45, ID: ST200211D2-4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	# Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	1.15e4	0.75	NO	0.982	1.000	17.23	9.3257	93.3	0.185
2	2 13C-2,3,7,8-TCDF	1.25e5	0.75	NO	1.08	1.000	17.20	100.76	101	0.364
3	3 13C-1,2,3,4-TCDF	1.15e5	0.72	NO	1.00	1.000	15.17	100.00	100	0.394
4	4 13C-1,2,3,4-TCDD	9.87e4	0.79	NO	1030	1.000	15.78	96.149	96.1	0.331

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time

Printed: Wednesday, February 12, 2020 10:38:05 Pacific Standard Time

Name: 200211D2_7, Date: 11-Feb-2020, Time: 23:07:28, ID: ST200211D2-5 1613 CS4 19L2306, Description: 1613 CS4 19L2306

	# Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	5.76e4	0.74	NO	0.982	1.000	17.23	38.981	97.5	0.158
2	2 13C-2,3,7,8-TCDF	1.51e5	0.71	NO	1.08	1.000	17.20	102.61	103	0.300
3	3 13C-1,2,3,4-TCDF	1.35e5	0.73	NO	1.00	1.000	15.17	100.00	100	0.325
4	4 13C-1,2,3,4-TCDD	1.13e5	0.78	NO	1030	1.000	15.78	110.19	110	0.311

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time

Printed: Wednesday, February 12, 2020 10:38:05 Pacific Standard Time

Name: 200211D2_8, Date: 11-Feb-2020, Time: 23:39:11, ID: ST200211D2-6 1613 CS5 19L2307, Description: 1613 CS5 19L2307

	# Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	4.81e5	0.73	NO	0.982	1.000	17.23	321.06	107	0.243
2	2 13C-2,3,7,8-TCDF	1.52e5	0.72	NO	1.08	1.000	17.20	102.22	102	0.295
3	3 13C-1,2,3,4-TCDF	1.38e5	0.73	NO	1.00	1.000	15.17	100.00	100	0.319
4	4 13C-1,2,3,4-TCDD	1.20e5	0.78	NO	1030	1.000	15.78	116.47	116	0.322

Dataset: Untitled

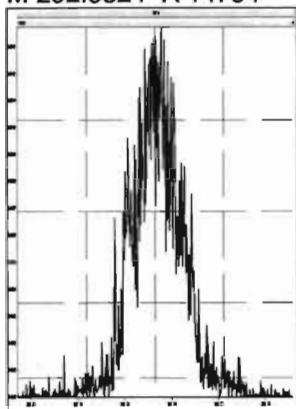
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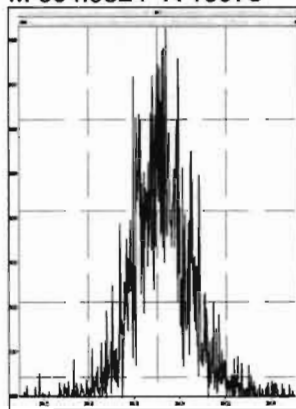
Compound name: 2,3,7,8-TCDF

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2	200211D2_2	CP200211D2-1 DB-225 CPSM	11-Feb-20	20:28:53
3	200211D2_3	ST200211D2-1 1613 CS0 19L2302	11-Feb-20	21:00:36
4	200211D2_4	ST200211D2-2 1613 CS1 19L2303	11-Feb-20	21:32:19
5	200211D2_5	ST200211D2-3 1613 CS2 19L2304	11-Feb-20	22:04:03
6	200211D2_6	ST200211D2-4 1613 CS3 19L2305	11-Feb-20	22:35:45
7	200211D2_7	ST200211D2-5 1613 CS4 19L2306	11-Feb-20	23:07:28
8	200211D2_8	ST200211D2-6 1613 CS5 19L2307	11-Feb-20	23:39:11
9	200211D2_9	SOLVENT BLANK	12-Feb-20	00:10:54
10	200211D2_10	SS200211D2-1 1613 SSS 19L2308	12-Feb-20	00:42:33
11	200211D2_11	SOLVENT BLANK	12-Feb-20	01:14:15
12	200211D2_12	1903740-08RE1 PDI-097SC-B-06-08-191017 ...	12-Feb-20	01:45:58
13	200211D2_13	1903740-07RE1 PDI-097SC-B-04-06-191017 ...	12-Feb-20	02:17:39
14	200211D2_14	1903740-06RE1 PDI-097SC-B-02-04-191017 ...	12-Feb-20	02:49:21
15	200211D2_15	1903740-01RE1 PDI-031SC-B-00-02-191017 ...	12-Feb-20	03:21:03
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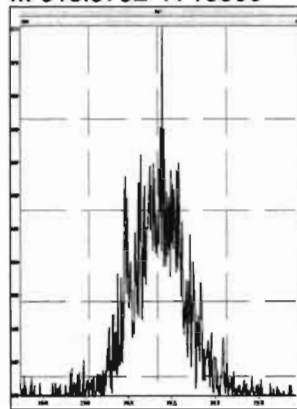
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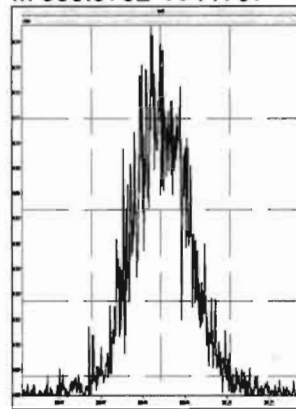
M 304.9824 R 15978



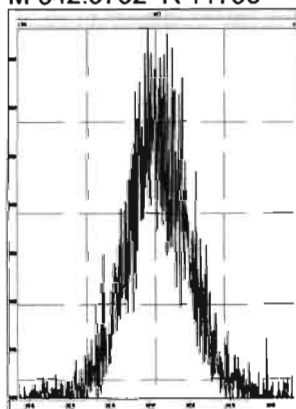
M 318.9792 R 15503



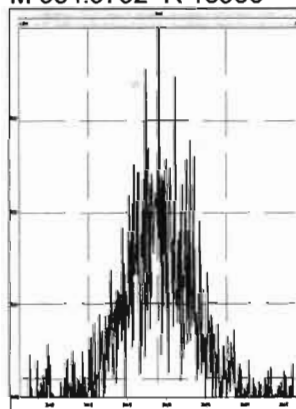
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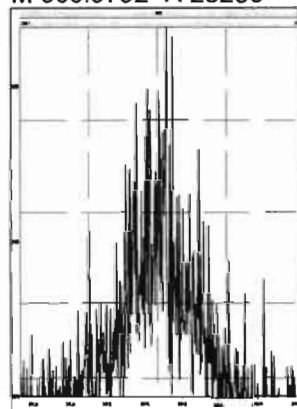
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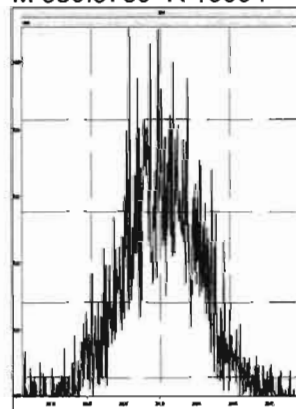
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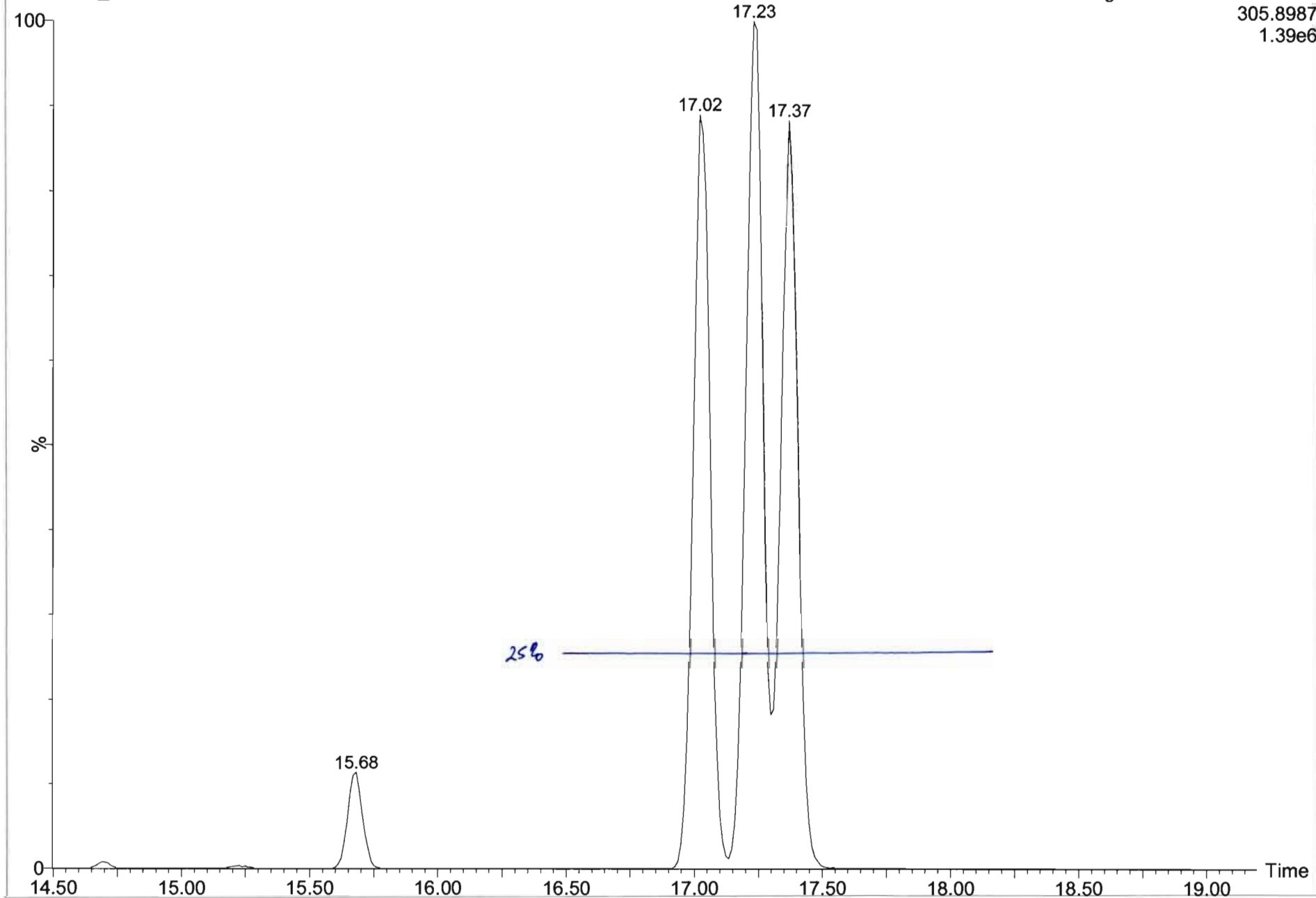


M 366.9792 R 28256



M 380.9760 R 13094





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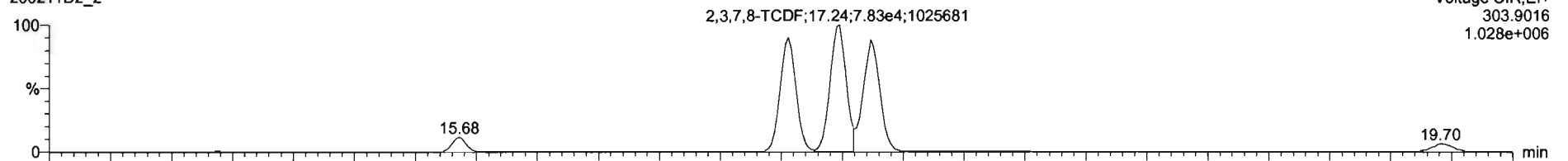
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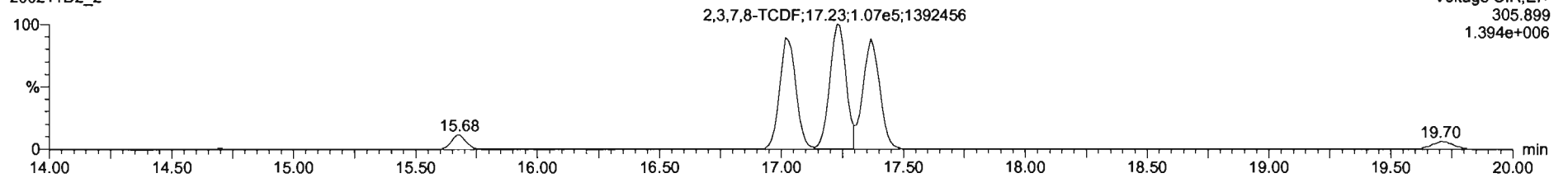
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2,3,7,8-TCDF

200211D2_2

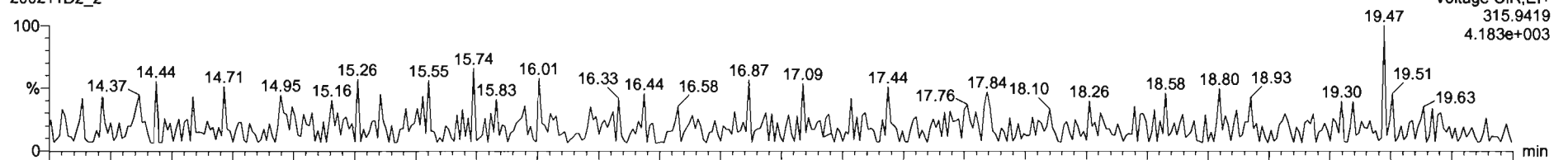


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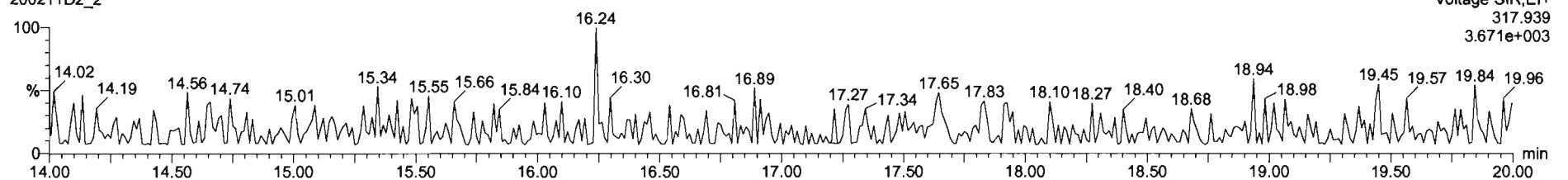


13C-2,3,7,8-TCDF

200211D2_2



200211D2_2

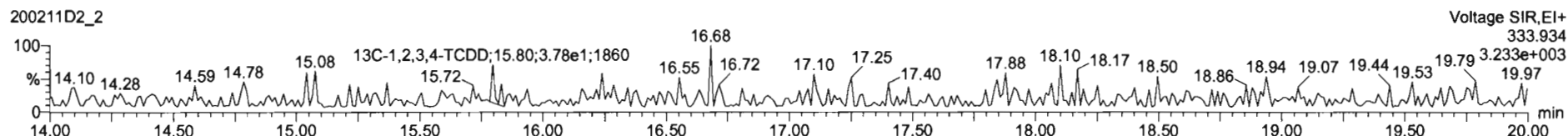
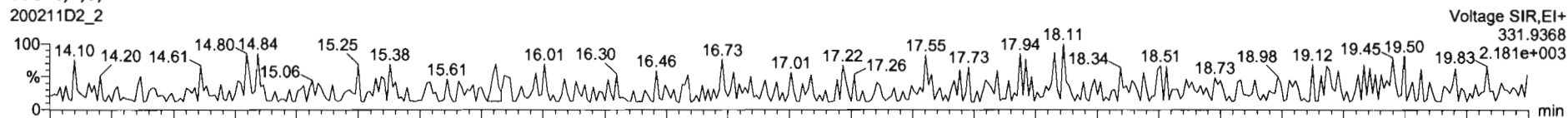


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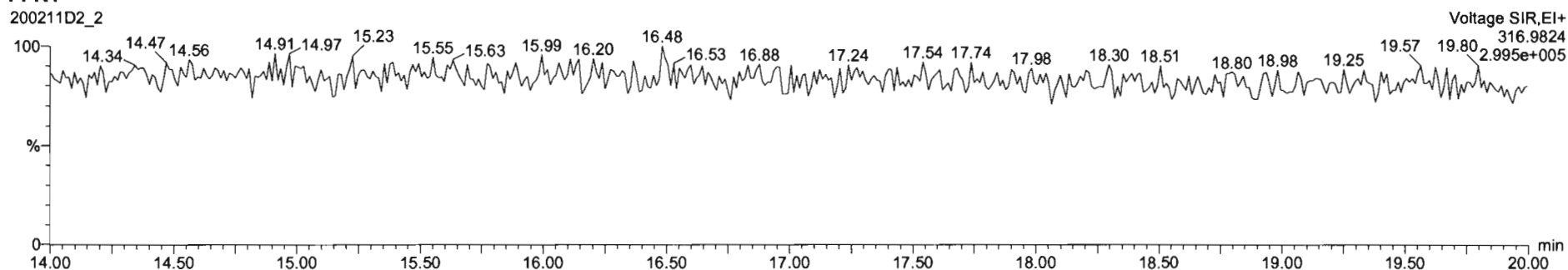
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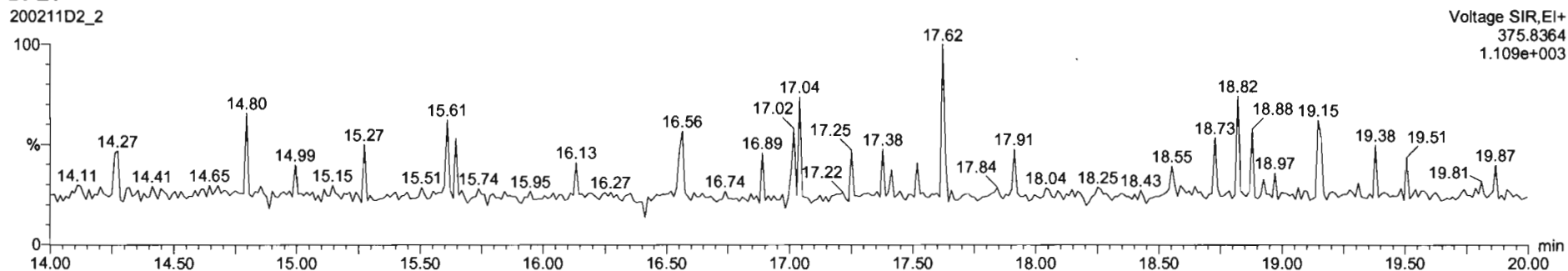
13C-1,2,3,4-TCDD



PFK1



DPE1



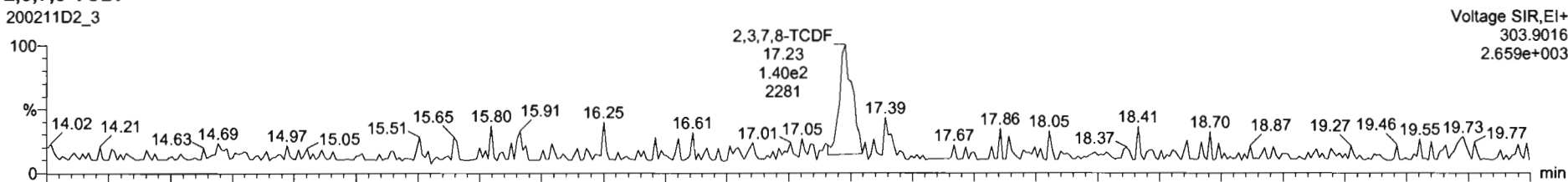
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Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

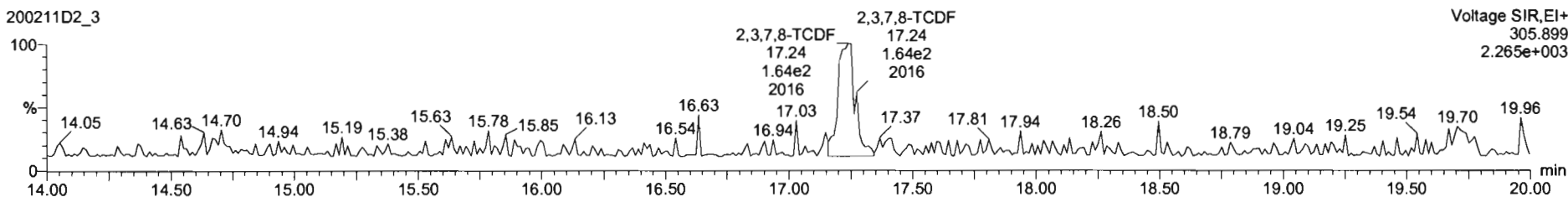
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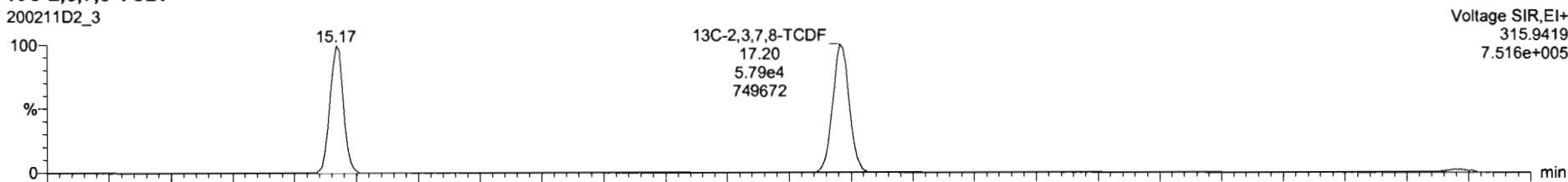
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200211D2_3



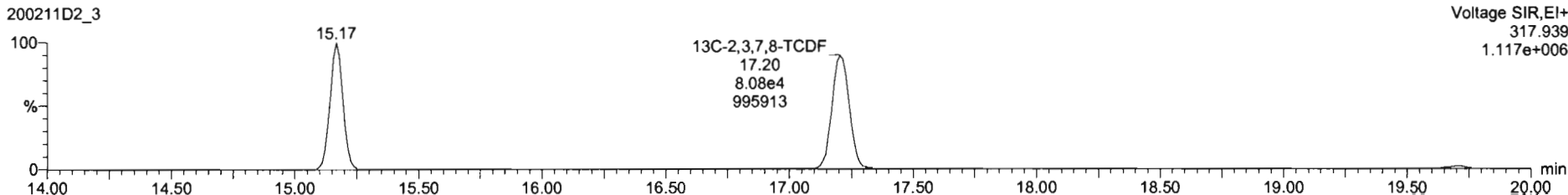
200211D2_3



13C-2,3,7,8-TCDF
200211D2_3



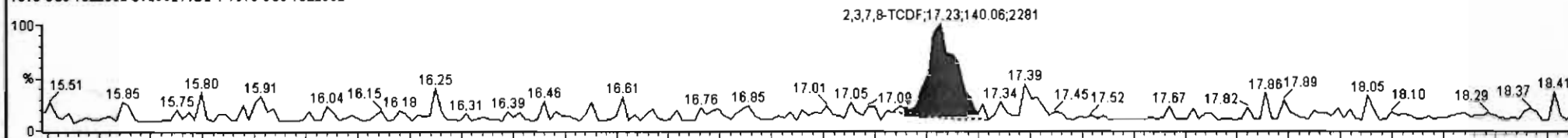
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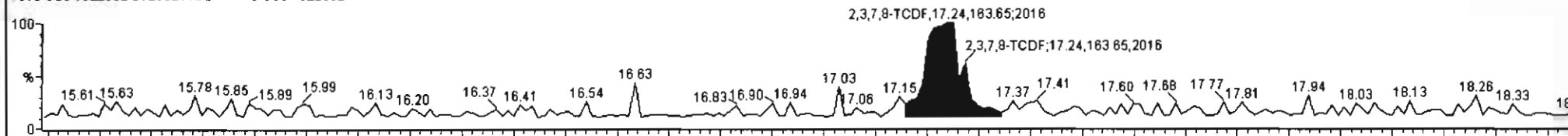
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1 2,3,7,8-TCDF	3.04e2	0.86	NO	0.98	1.000	17.23	1.001	0.223	89.2	0.0831	0.223
2 13C-2,3,7,8-TCDF	1.39e5	0.72	NO	1.08	1.000	17.20	1.134	113	113	0.342	
3 13C-1,2,3,4-TCDF	1.13e5	0.70	NO	1.00	1.000	15.17	1.000	100	100	0.371	
4 13C-1,2,3,4-TCDF	1.04e5	0.79	NO	1026.38	1.000	15.78	0.000	102	102	0.291	
5 PFOS					1.000						
6 DPE1					1.000						

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

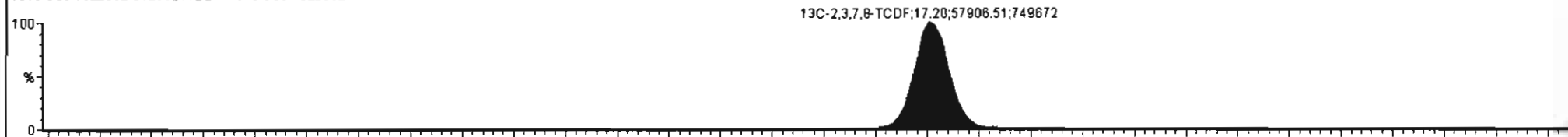
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1613 C80 19L2302 ST200211D2-1 1613 C80 19L2302



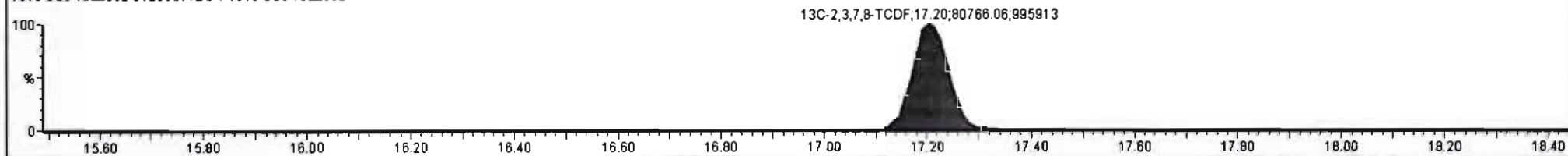
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200211D2_3
1613 C80 19L2302 ST200211D2-1 1613 C80 19L2302



200211D2_3
1613 C80 19L2302 ST200211D2-1 1613 C80 19L2302



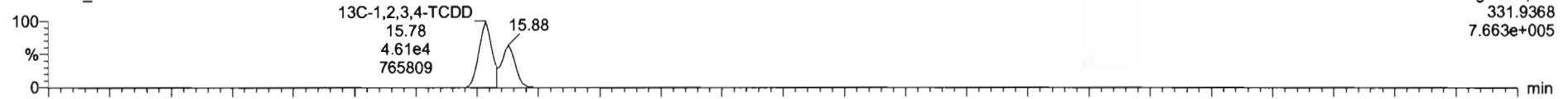
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Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

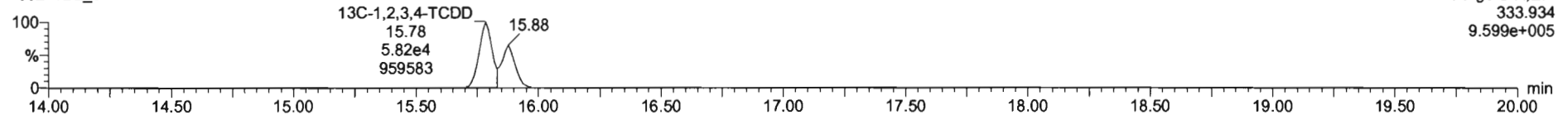
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13C-1,2,3,4-TCDD

200211D2_3

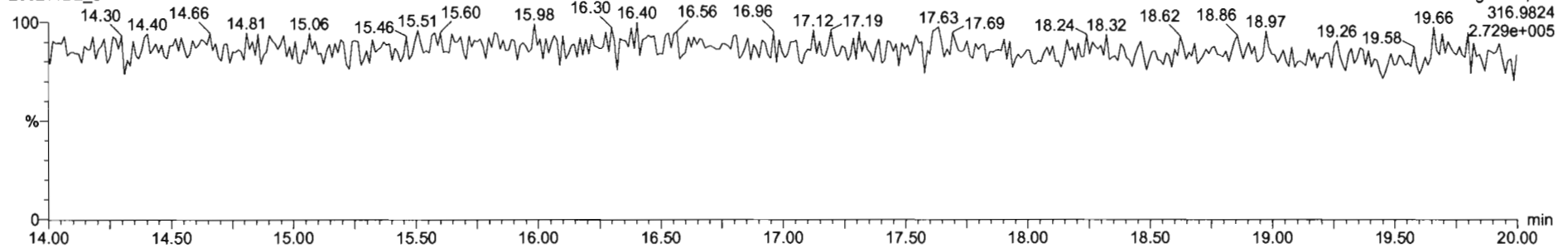


200211D2_3



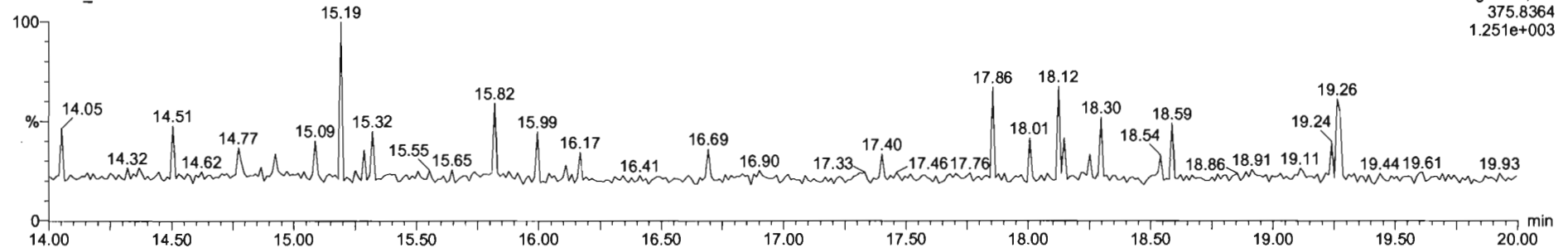
PFK1

200211D2_3



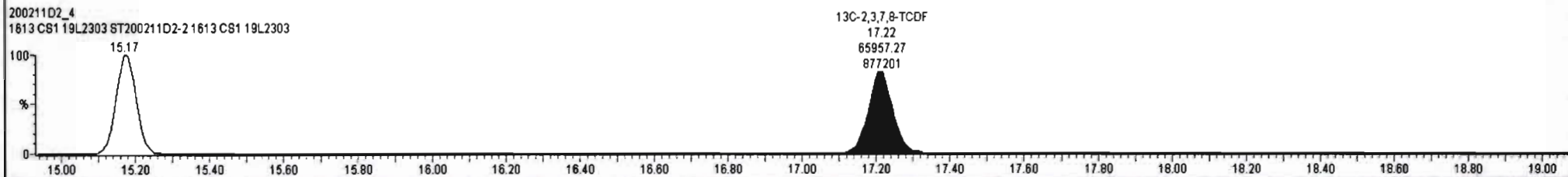
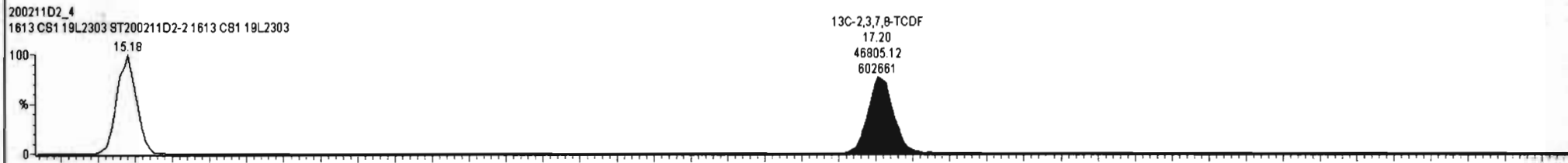
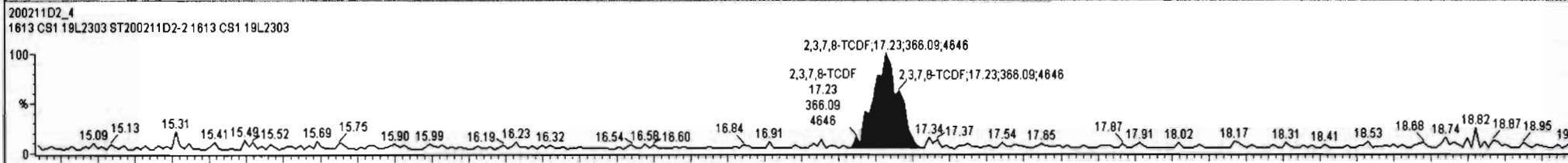
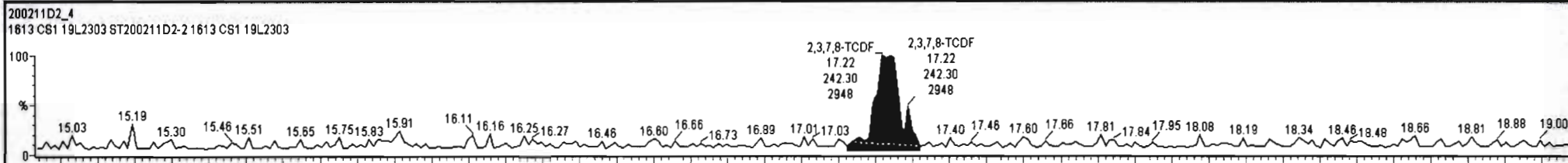
DPE1

200211D2_3



#	Name	Resp	RA	ruy	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EWPC
1	2,3,7,8-TCDF	8.09e2	0.66	NO	0.98	1.000	17.22	1.001	0.548	110	0.147	0.549
2	13C-2,3,7,8-TCDF	1.13e5	0.71	NO	1.08	1.000	17.20	1.133	91.7	91.7	0.381	
3	13C-1,2,3,4-TCDF	1.14e5	0.71	NO	1.00	1.000	15.18	1.000	100	100	0.412	
4	13C-1,2,3,4-TCDD	8.57e4	0.77	NO	1026.38	1.000	15.78	0.000	83.5	83.5	0.324	
5	PFK1					1.000						
6	DPF1					1.000						

#	Name	RT	int Resp	m2 Resp	RA	ruy	EWPC	Conc.
1								



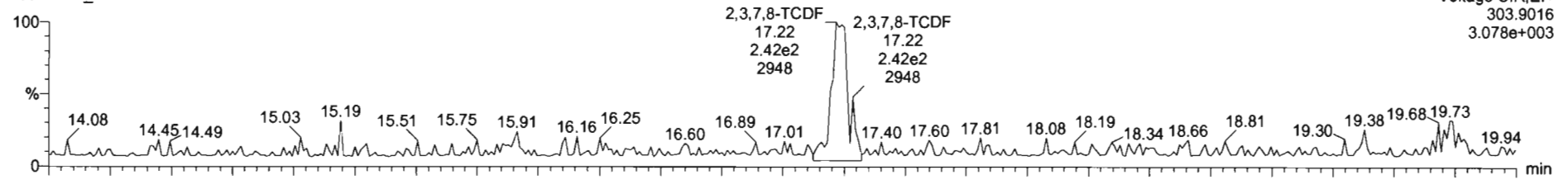
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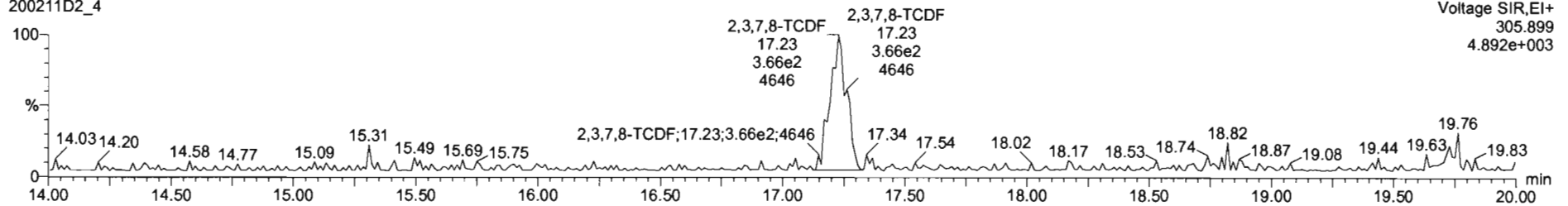
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2,3,7,8-TCDF

200211D2_4

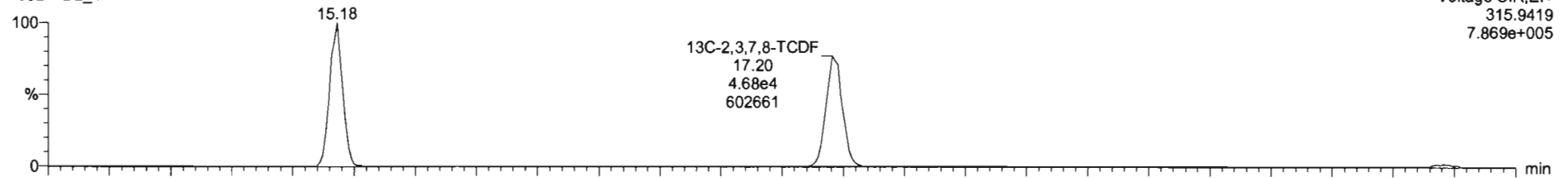


200211D2_4

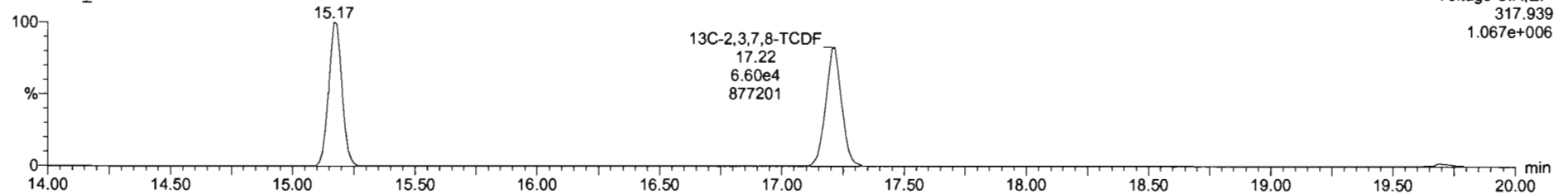


13C-2,3,7,8-TCDF

200211D2_4



200211D2_4



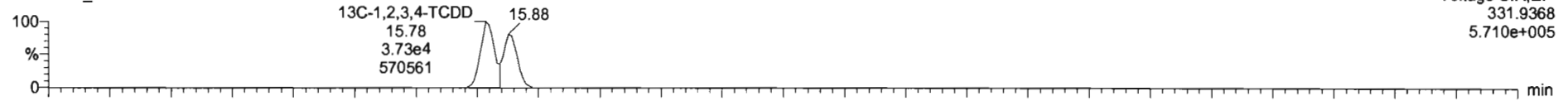
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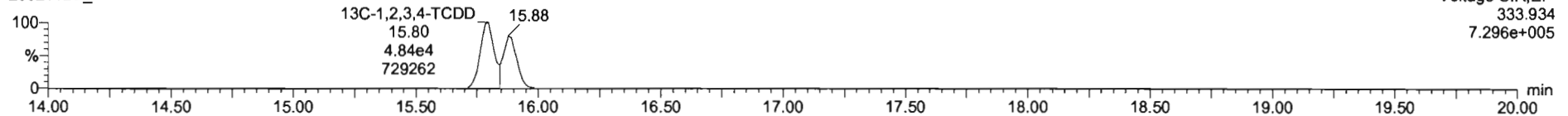
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200211D2_4

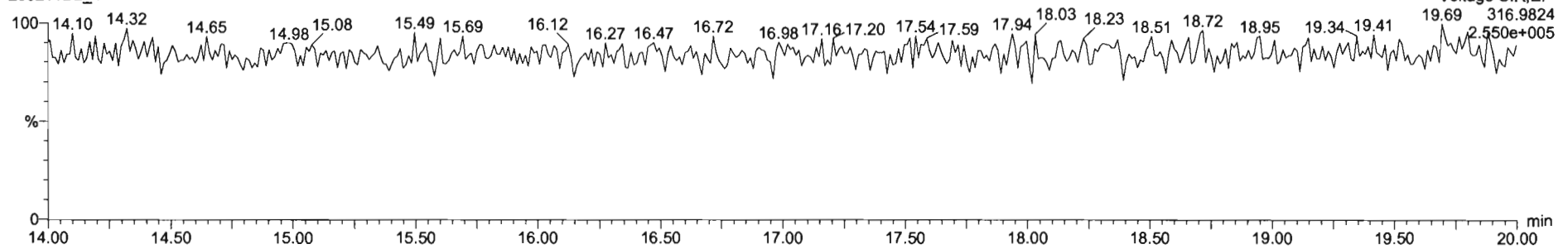


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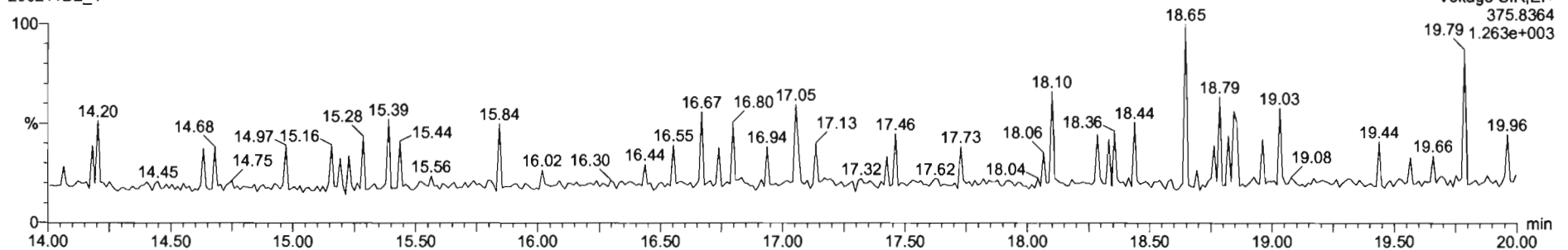
PFK1

200211D2_4



DPE1

200211D2_4



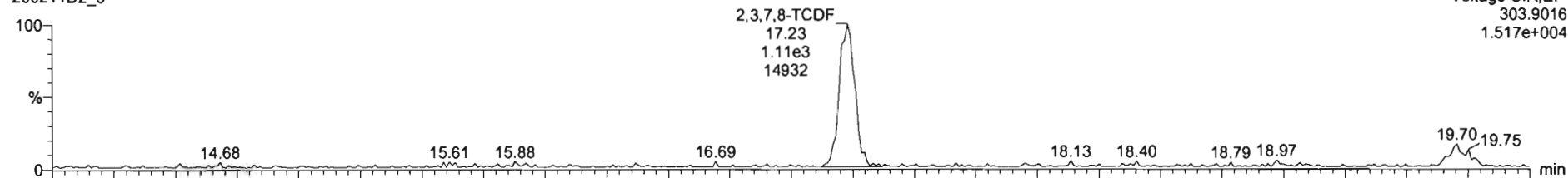
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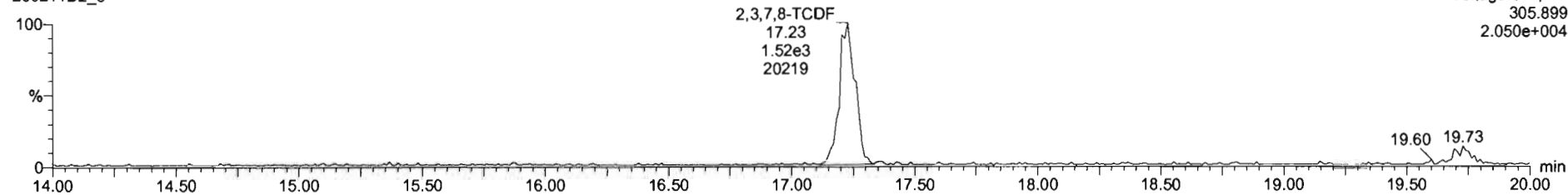
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2,3,7,8-TCDF

200211D2_5

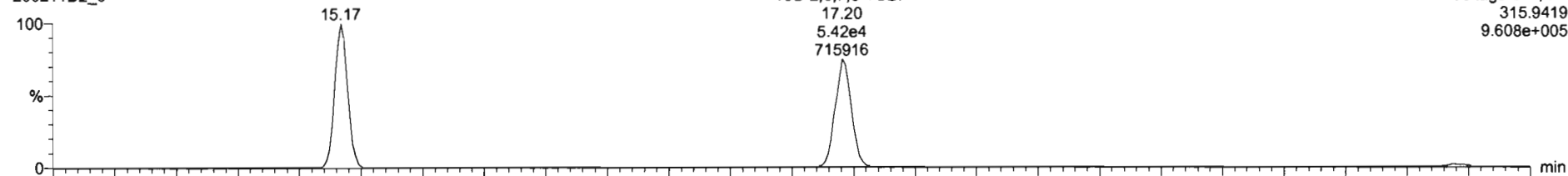


200211D2_5

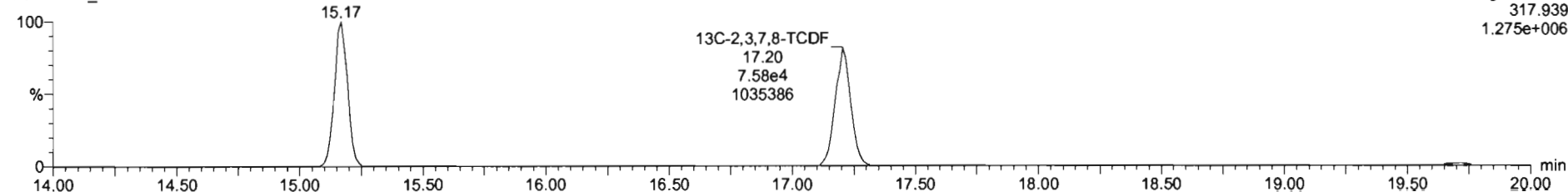


13C-2,3,7,8-TCDF

200211D2_5



200211D2_5

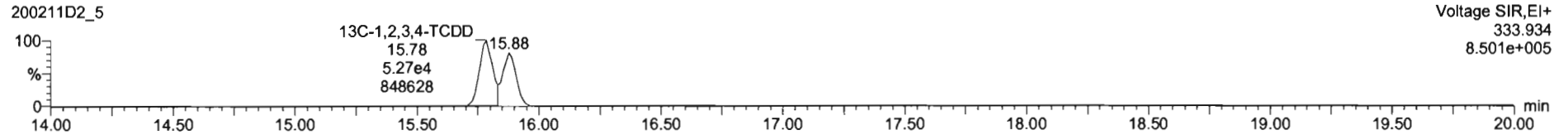
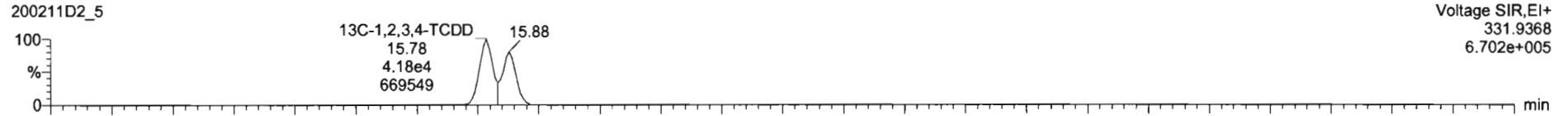


Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

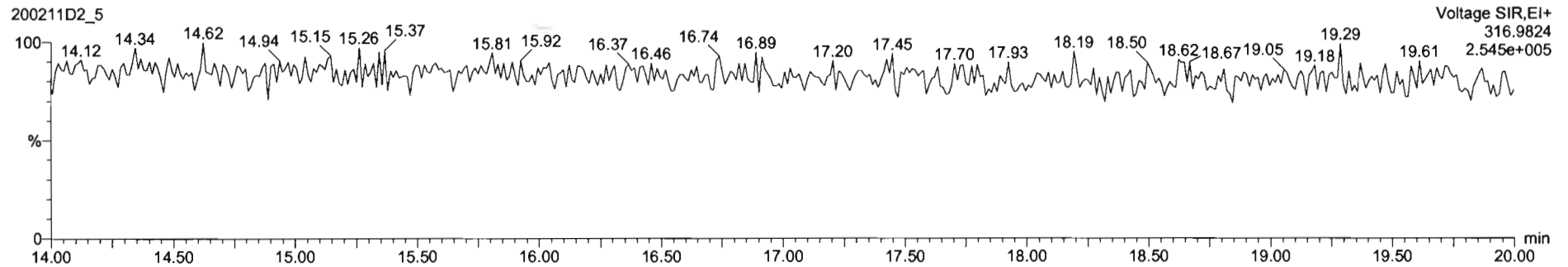
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Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

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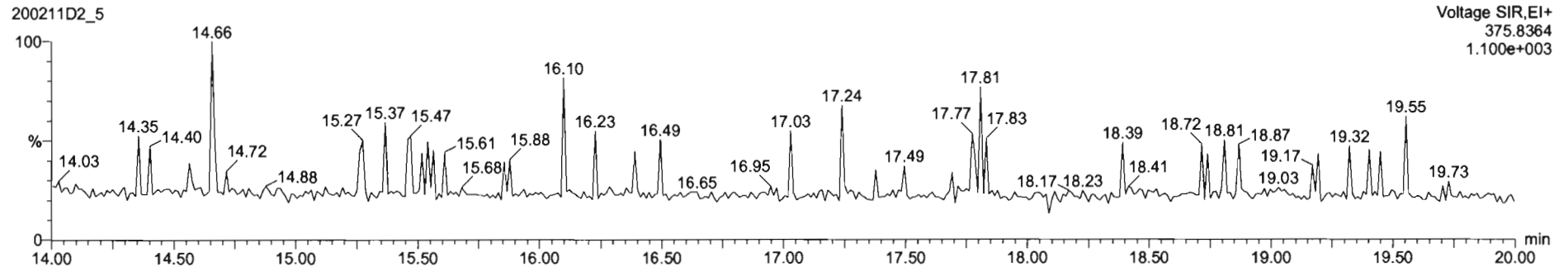
13C-1,2,3,4-TCDD



PFK1



DPE1



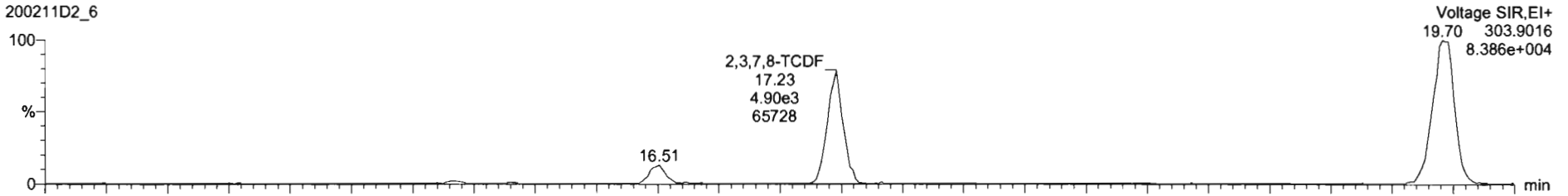
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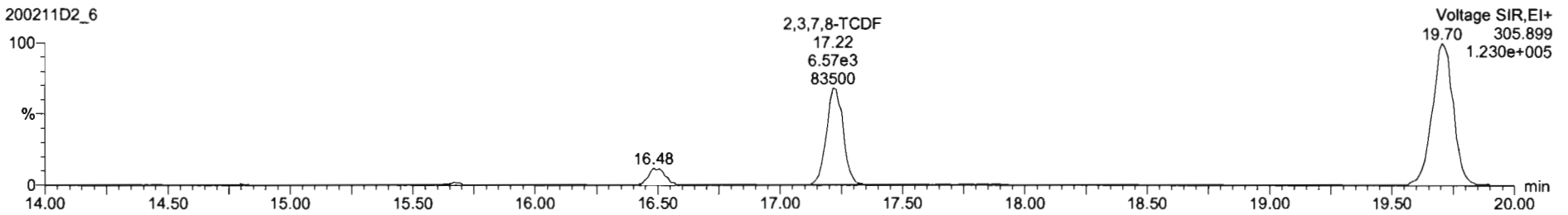
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2,3,7,8-TCDF

200211D2_6

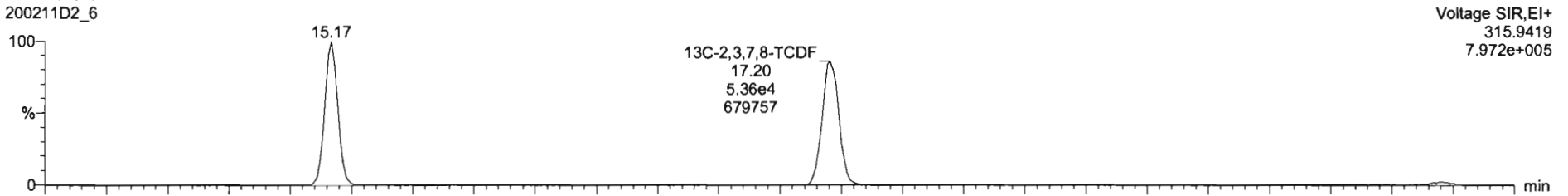


200211D2_6

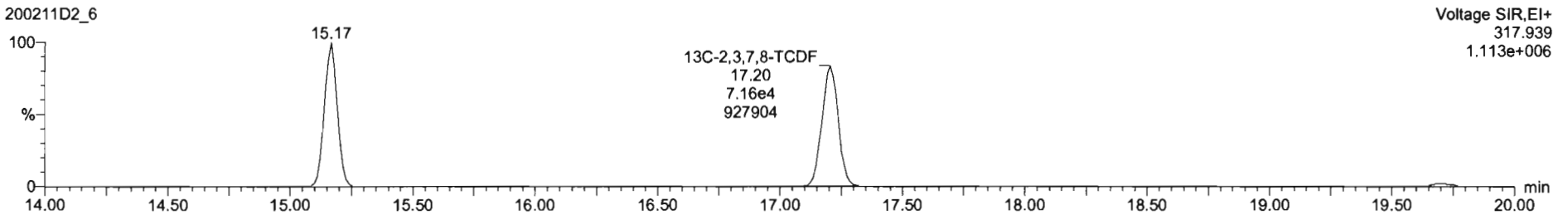


13C-2,3,7,8-TCDF

200211D2_6



200211D2_6



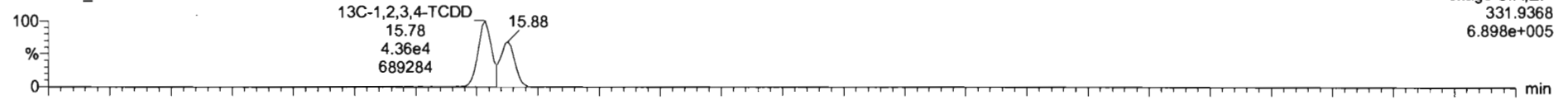
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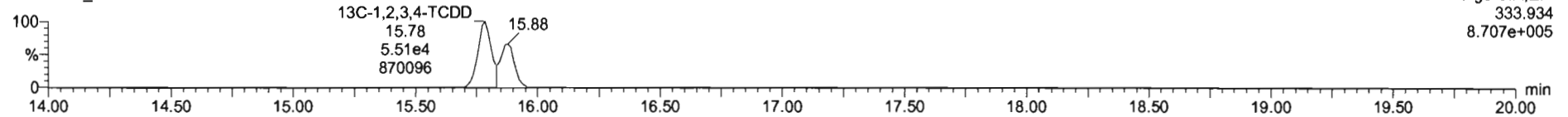
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13C-1,2,3,4-TCDD

200211D2_6

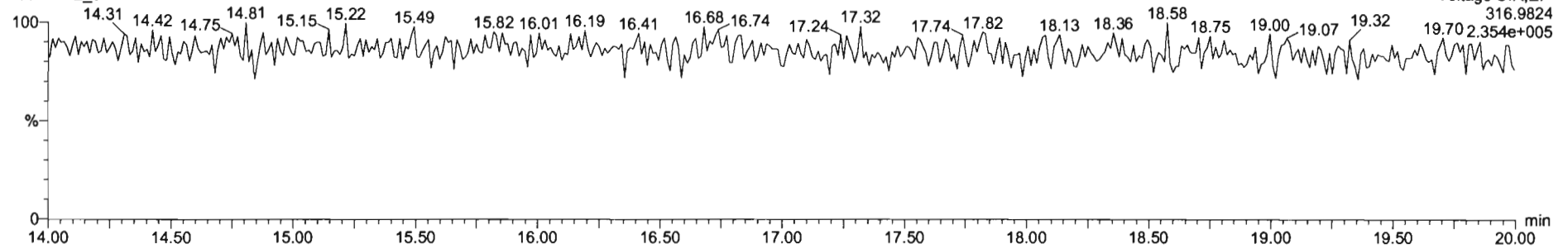


200211D2_6



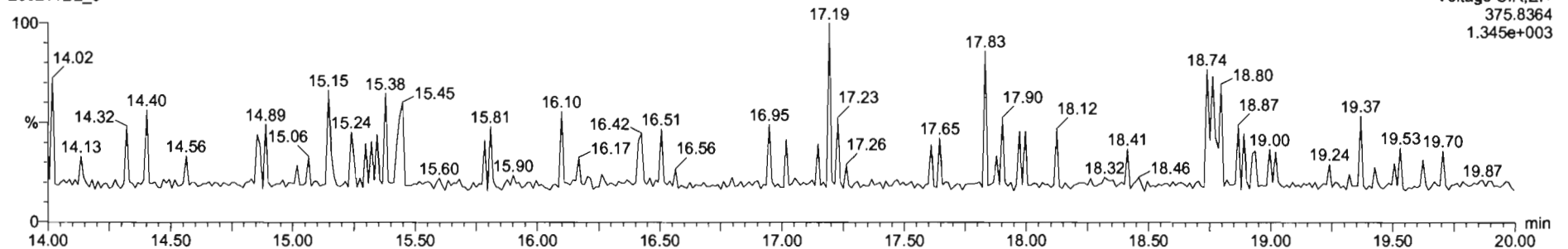
PFK1

200211D2_6



DPE1

200211D2_6



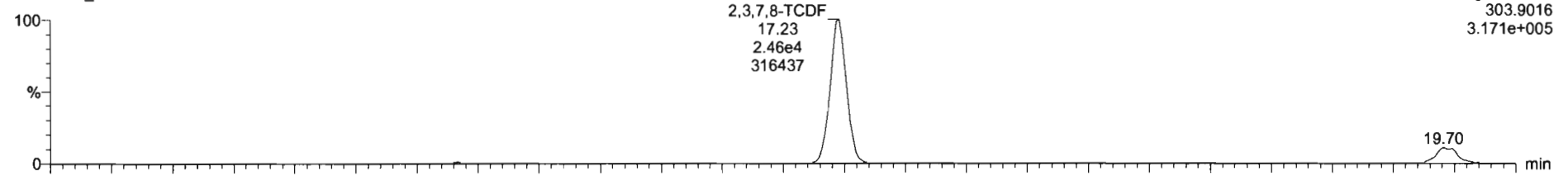
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Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

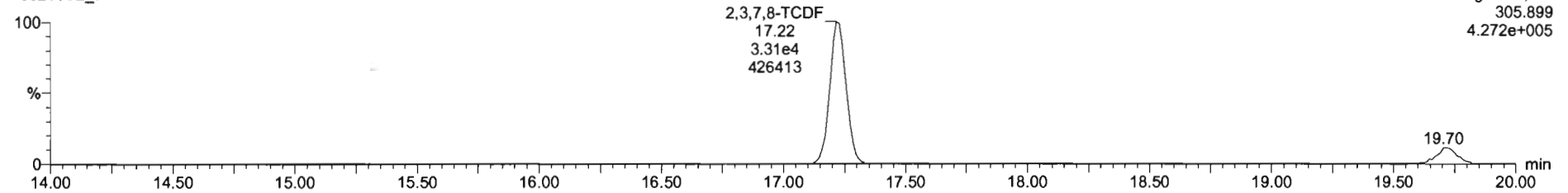
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2,3,7,8-TCDF

200211D2_7

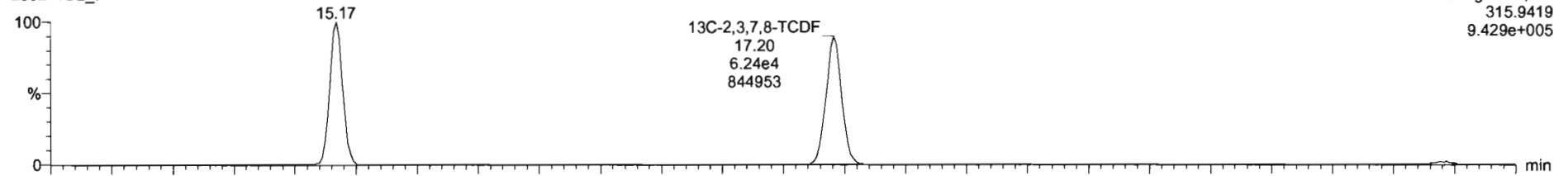


200211D2_7

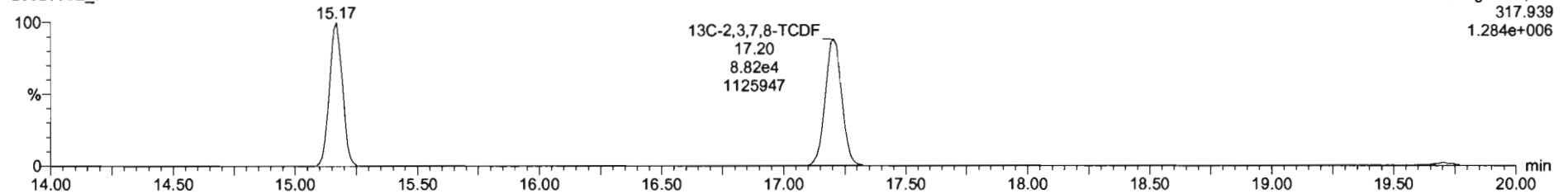


13C-2,3,7,8-TCDF

200211D2_7



200211D2_7



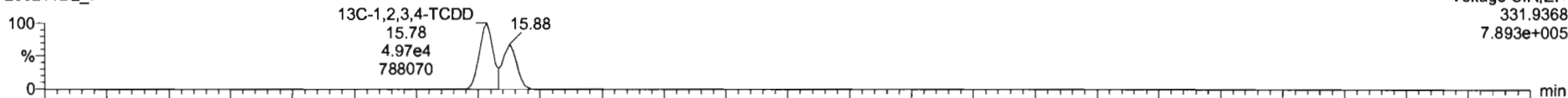
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Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

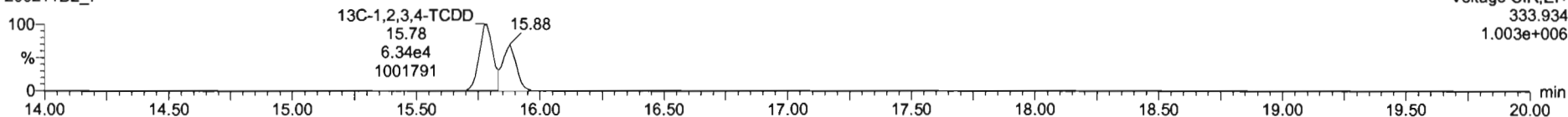
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13C-1,2,3,4-TCDD

200211D2_7

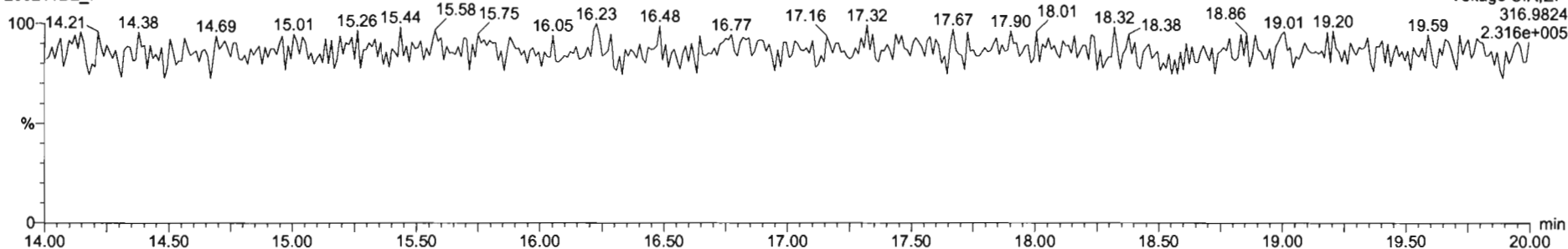


200211D2_7



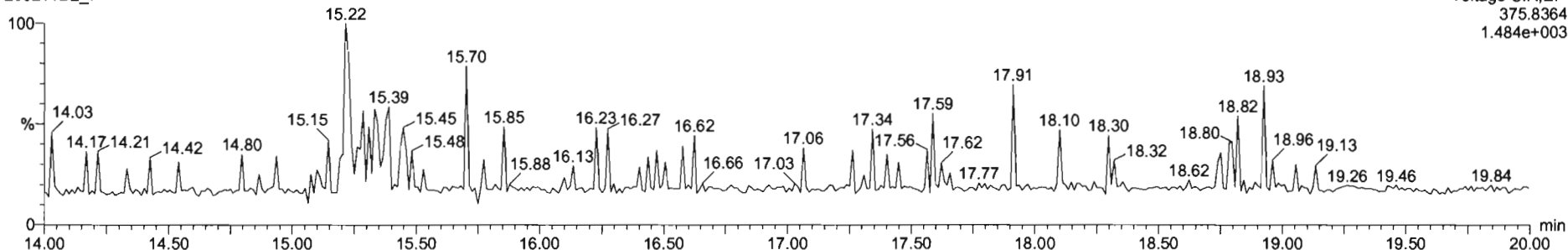
PFK1

200211D2_7



DPE1

200211D2_7



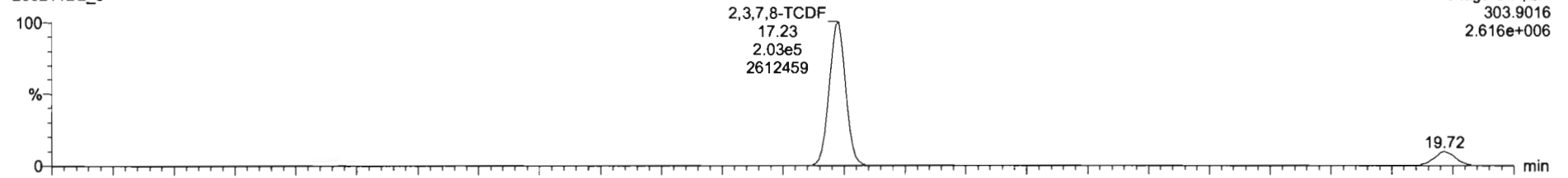
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Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

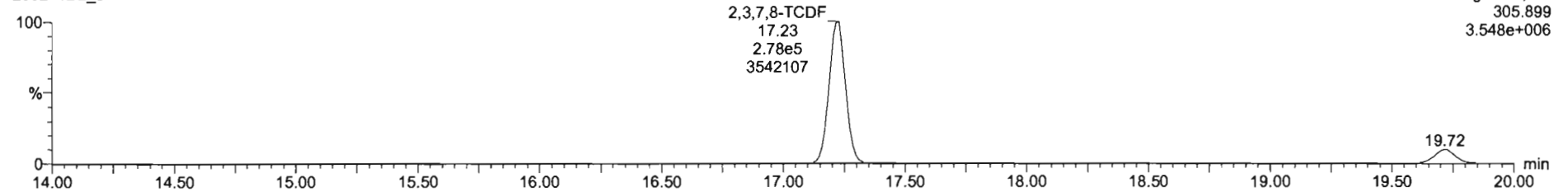
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2,3,7,8-TCDF

200211D2_8

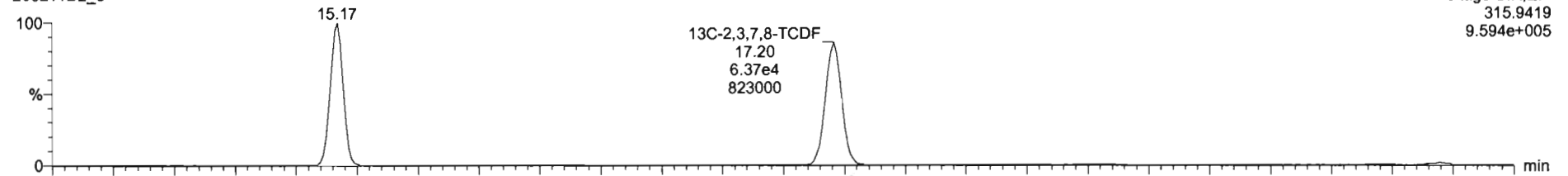


200211D2_8

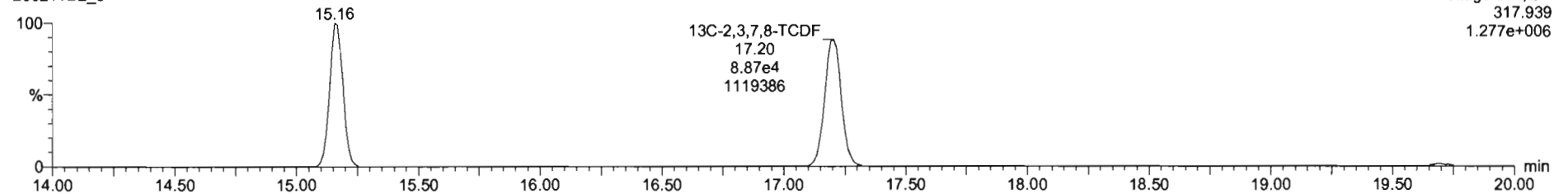


13C-2,3,7,8-TCDF

200211D2_8



200211D2_8



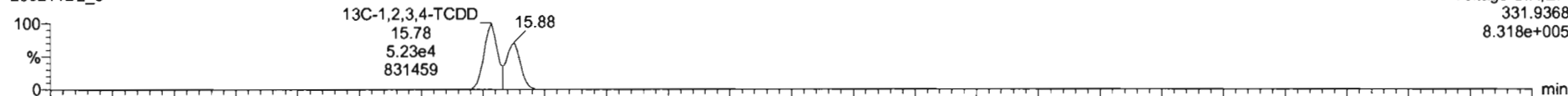
Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

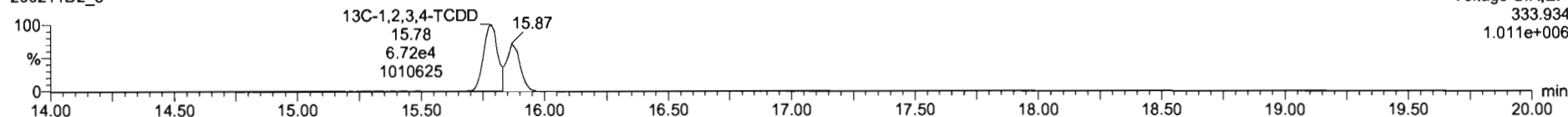
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13C-1,2,3,4-TCDD

200211D2_8

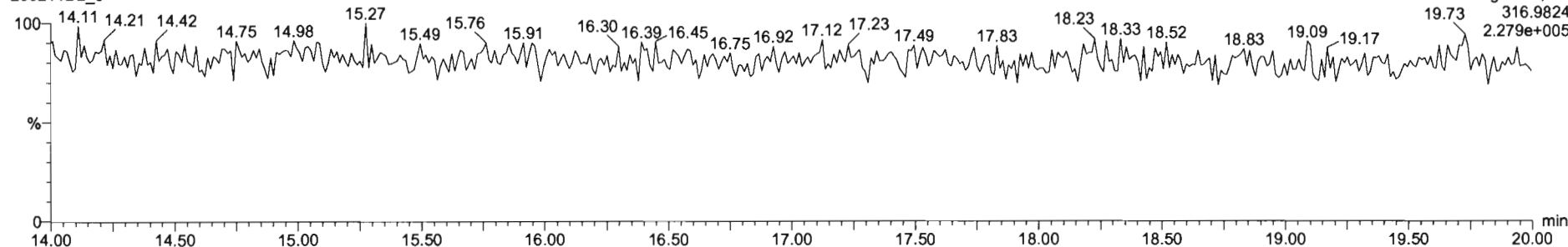


200211D2_8



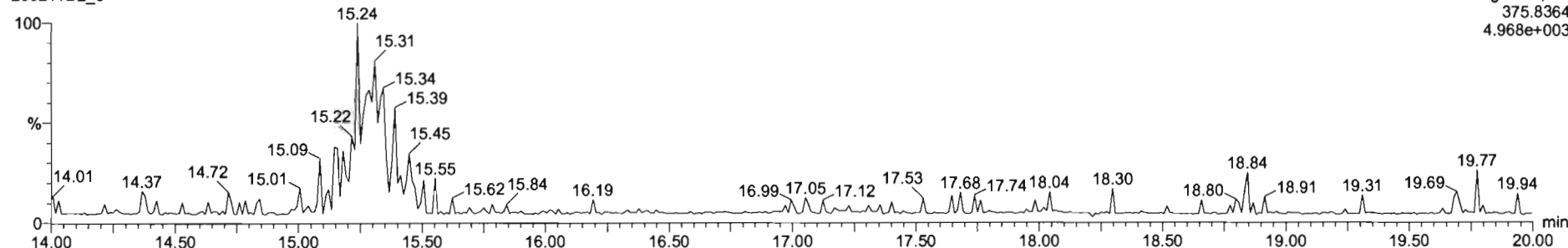
PFK1

200211D2_8

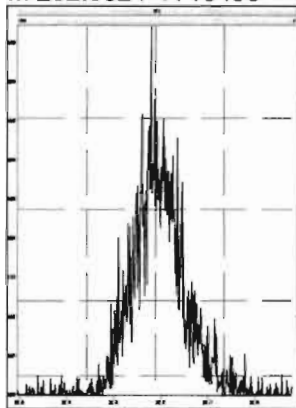


DPE1

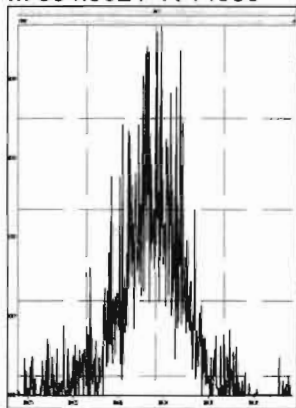
200211D2_8



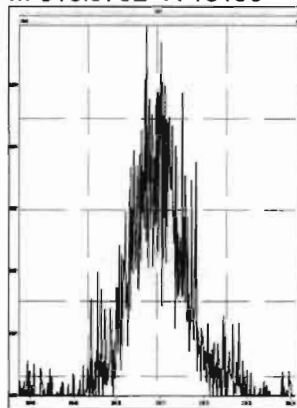
M 292.9824 R 13493



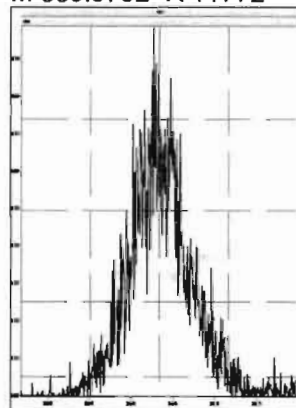
M 304.9824 R 14983



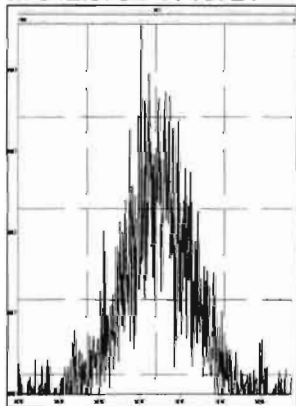
M 318.9792 R 15196



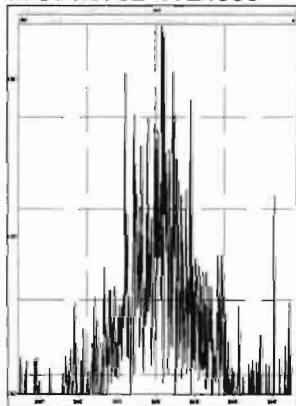
M 330.9792 R 11772



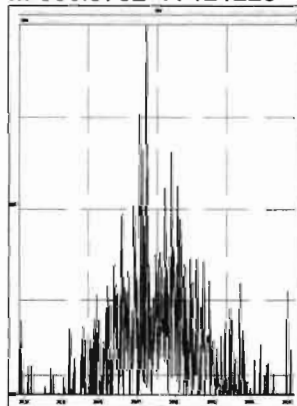
M 342.9792 R 13721



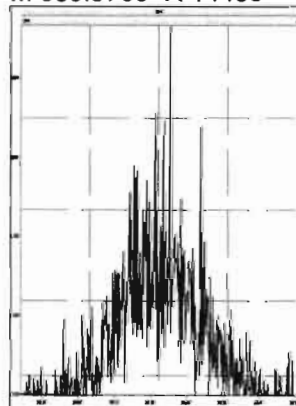
M 354.9792 R 24553



M 366.9792 R 121228



M 380.9760 R 14409



Dataset: U:\VG7.PRO\Results\200211D2\200211D2_10.qld

Last Altered: Wednesday, February 12, 2020 10:51:20 Pacific Standard Time

Printed: Wednesday, February 12, 2020 10:52:52 Pacific Standard Time

DB 2/12/20 07:52/2020

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24

Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 10:17:56

Name: 200211D2_10, Date: 12-Feb-2020, Time: 00:42:33, ID: SS200211D2-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

#	Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	2,3,7,8-TCDF	1.29e4	0.77	NO	0.982	1.000	17.22	10.800	108	0.183
2	13C-2,3,7,8-TCDF	1.22e5	0.73	NO	1.08	1.000	17.20	92.025	92.0	0.305
3	13C-1,2,3,4-TCDF	1.22e5	0.72	NO	1.00	1.000	15.17	100.00	100	0.330
4	13C-1,2,3,4-TCDD	8.99e4	0.76	NO	1030	1.000	15.78	87.563	87.6	0.304

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_10.qld

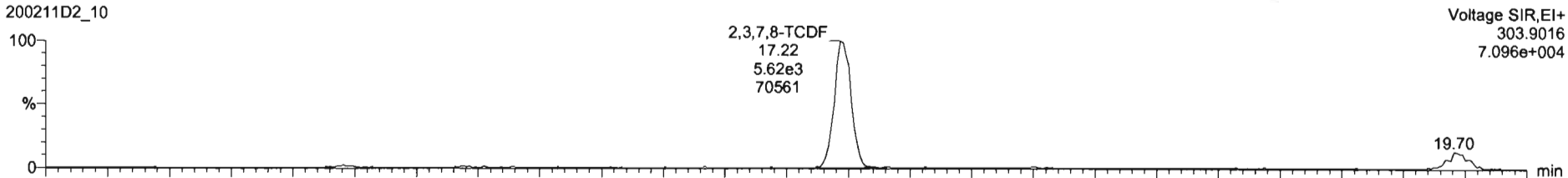
Last Altered: Wednesday, February 12, 2020 10:51:20 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:53:15 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 10:17:56

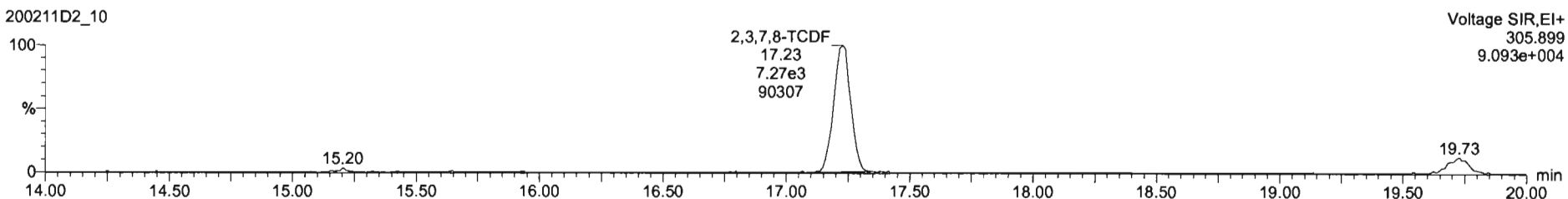
Name: 200211D2_10, Date: 12-Feb-2020, Time: 00:42:33, ID: SS200211D2-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

2,3,7,8-TCDF

200211D2_10

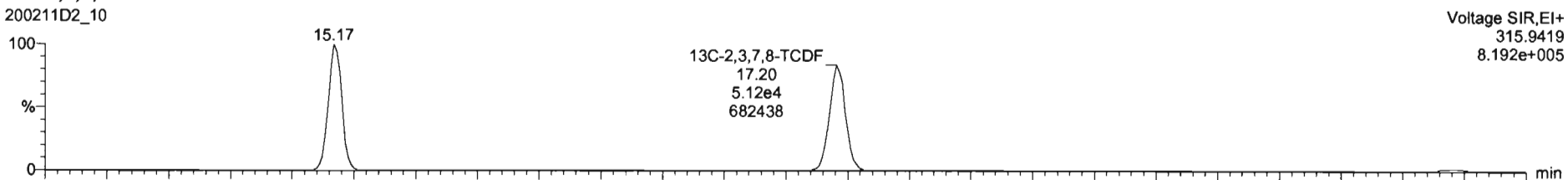


200211D2_10

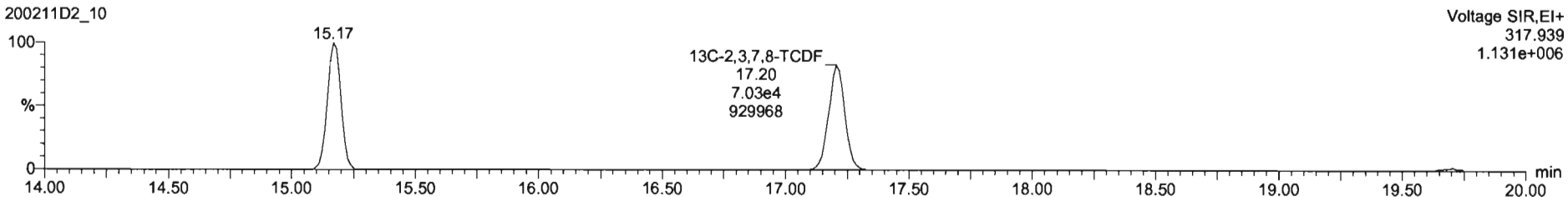


13C-2,3,7,8-TCDF

200211D2_10



200211D2_10



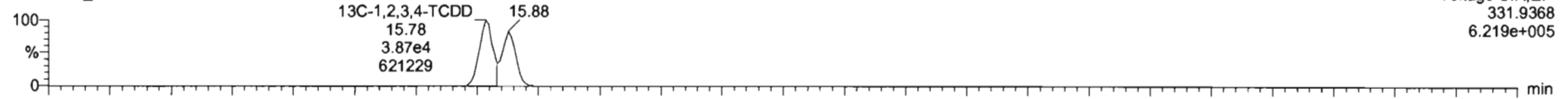
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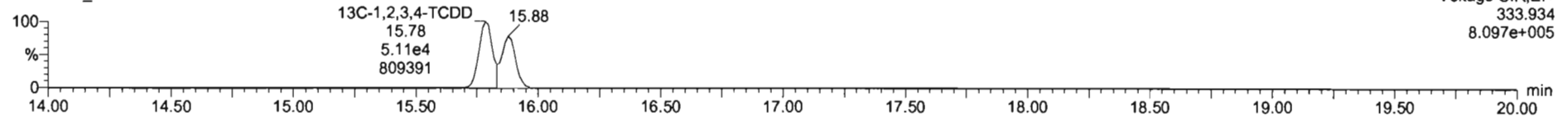
Name: 200211D2_10, Date: 12-Feb-2020, Time: 00:42:33, ID: SS200211D2-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

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

200211D2_10

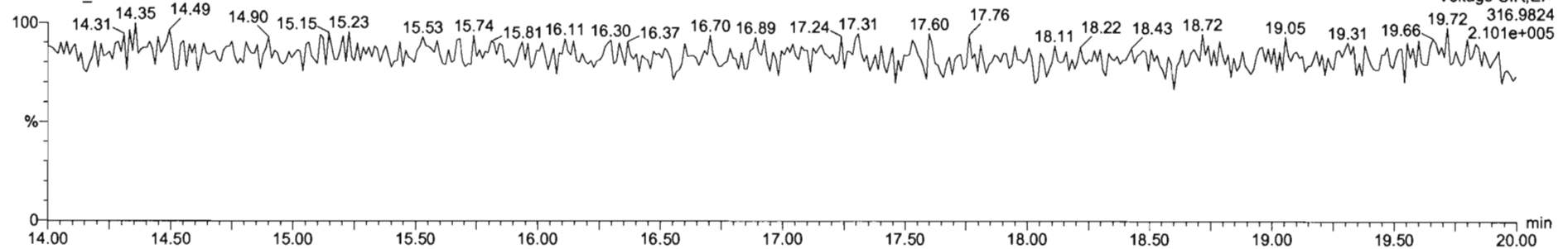


200211D2_10



PFK1

200211D2_10



DPE1

200211D2_10

