

June 15, 2020

Vista Work Order No. 2000995

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

Dear Ms. Peterson,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on May 01, 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. 2000995

Case Narrative

Sample Condition on Receipt:

Twelve 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.

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 above 1/2 the quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

As requested, a duplicate was performed on sample "PDI-072SC-B-04-06-200430". The RPD was outside of the acceptance criteria for OCDD. The RPDs for all other analytes met the acceptance criteria.

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
2000995-01	PDI-068SC-A-10-11-200430	30-Apr-20 08:45	01-May-20 09:04	Amber Glass, 120 mL
2000995-02	PDI-068SC-A-11-12.3-200430	30-Apr-20 08:45	01-May-20 09:04	Amber Glass, 120 mL
2000995-03	PDI-068SC-B-00-02-200430	30-Apr-20 08:30	01-May-20 09:04	Amber Glass, 120 mL
2000995-04	PDI-068SC-B-02-05-200430	30-Apr-20 08:30	01-May-20 09:04	Amber Glass, 120 mL
2000995-05	PDI-068SC-B-05-07-200430	30-Apr-20 08:30	01-May-20 09:04	Amber Glass, 120 mL
2000995-06	PDI-072SC-A-08-09-200430	30-Apr-20 10:45	01-May-20 09:04	Amber Glass, 120 mL
2000995-07	PDI-072SC-A-09-9.5-200430	30-Apr-20 10:45	01-May-20 09:04	Amber Glass, 120 mL
2000995-08	PDI-072SC-B-00-02-200430	30-Apr-20 10:20	01-May-20 09:04	Amber Glass, 120 mL
2000995-09	PDI-072SC-B-02-04-200430	30-Apr-20 10:20	01-May-20 09:04	Amber Glass, 120 mL
2000995-10	PDI-072SC-B-04-06-200430	DUP30-Apr-20 10:20	01-May-20 09:04	Amber Glass, 120 mL Amber Glass, 120 mL
2000995-11	PDI-072SC-B-06-08-200430	30-Apr-20 10:20	01-May-20 09:04	Amber Glass, 120 mL
2000995-12	PDI-1072SC-B-02-04-200430	30-Apr-20 10:20	01-May-20 09:04	Amber Glass, 120 mL

ANALYTICAL RESULTS

Sample ID: Method Blank					EPA Method 1613B				
Matrix: Solid Sample Size: 10.0 g		QC Batch: B0E0079 Date Extracted: 10-May-2020 5:59		Lab Sample: B0E0079-BLK1 Date Analyzed: 18-May-20 17:07 Column: ZB-5MS					
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers	
2,3,7,8-TCDD	ND	0.0515			IS 13C-2,3,7,8-TCDD	89.5	25 - 164		
1,2,3,7,8-PeCDD	ND	0.0463			13C-1,2,3,7,8-PeCDD	94.3	25 - 181		
1,2,3,4,7,8-HxCDD	ND	0.0740			13C-1,2,3,4,7,8-HxCDD	83.9	32 - 141		
1,2,3,6,7,8-HxCDD	ND	0.0784			13C-1,2,3,6,7,8-HxCDD	81.6	28 - 130		
1,2,3,7,8,9-HxCDD	ND	0.0853			13C-1,2,3,7,8,9-HxCDD	82.6	32 - 141		
1,2,3,4,6,7,8-HpCDD	ND	0.0993			13C-1,2,3,4,6,7,8-HpCDD	84.5	23 - 140		
OCDD	0.237			J	13C-OCDD	79.2	17 - 157		
2,3,7,8-TCDF	ND	0.0300			13C-2,3,7,8-TCDF	89.4	24 - 169		
1,2,3,7,8-PeCDF	ND	0.0329			13C-1,2,3,7,8-PeCDF	94.7	24 - 185		
2,3,4,7,8-PeCDF	ND	0.0326			13C-2,3,4,7,8-PeCDF	92.3	21 - 178		
1,2,3,4,7,8-HxCDF	ND	0.0567			13C-1,2,3,4,7,8-HxCDF	83.6	26 - 152		
1,2,3,6,7,8-HxCDF	ND	0.0549			13C-1,2,3,6,7,8-HxCDF	83.2	26 - 123		
2,3,4,6,7,8-HxCDF	ND	0.0583			13C-2,3,4,6,7,8-HxCDF	82.0	28 - 136		
1,2,3,7,8,9-HxCDF	0.129			J	13C-1,2,3,7,8,9-HxCDF	83.1	29 - 147		
1,2,3,4,6,7,8-HpCDF	ND	0.0724			13C-1,2,3,4,6,7,8-HpCDF	81.1	28 - 143		
1,2,3,4,7,8,9-HpCDF	ND	0.0791			13C-1,2,3,4,7,8,9-HpCDF	90.4	26 - 138		
OCDF	0.142			J	13C-OCDF	82.3	17 - 157		
					CRS 37Cl-2,3,7,8-TCDD	86.8	35 - 197		
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)				
					TEQMinWHO2005Dioxin		0.0130		
TOTALS									
Total TCDD	ND	0.0515							
Total PeCDD	ND	0.0463							
Total HxCDD	ND	0.0853							
Total HpCDD	ND	0.0993							
Total TCDF	ND	0.0300							
Total PeCDF	ND	0.0329							
Total HxCDF	0.165								
Total HpCDF	ND	0.0791							

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: B0E0079	Lab Sample: B0E0079-BS1		Date Analyzed: 18-May-20 15:35 Column: ZB-5MS			
Sample Size: 10.0 g	Date Extracted: 10-May-2020 5:59						
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	17.7	20.0	88.3	67 - 158	IS 13C-2,3,7,8-TCDD	89.0	20 - 175
1,2,3,7,8-PeCDD	90.1	100	90.1	70 - 142	13C-1,2,3,7,8-PeCDD	96.2	21 - 227
1,2,3,4,7,8-HxCDD	97.1	100	97.1	70 - 164	13C-1,2,3,4,7,8-HxCDD	94.6	21 - 193
1,2,3,6,7,8-HxCDD	98.3	100	98.3	76 - 134	13C-1,2,3,6,7,8-HxCDD	90.4	25 - 163
1,2,3,7,8,9-HxCDD	96.3	100	96.3	64 - 162	13C-1,2,3,7,8,9-HxCDD	84.8	21 - 193
1,2,3,4,6,7,8-HpCDD	99.4	100	99.4	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	77.9	26 - 166
OCDD	195	200	97.6	78 - 144	13C-OCDD	69.6	13 - 199
2,3,7,8-TCDF	19.6	20.0	97.8	75 - 158	13C-2,3,7,8-TCDF	90.1	22 - 152
1,2,3,7,8-PeCDF	95.3	100	95.3	80 - 134	13C-1,2,3,7,8-PeCDF	96.5	21 - 192
2,3,4,7,8-PeCDF	94.2	100	94.2	68 - 160	13C-2,3,4,7,8-PeCDF	98.6	13 - 328
1,2,3,4,7,8-HxCDF	105	100	105	72 - 134	13C-1,2,3,4,7,8-HxCDF	83.9	19 - 202
1,2,3,6,7,8-HxCDF	107	100	107	84 - 130	13C-1,2,3,6,7,8-HxCDF	84.7	21 - 159
2,3,4,6,7,8-HxCDF	106	100	106	70 - 156	13C-2,3,4,6,7,8-HxCDF	83.2	22 - 176
1,2,3,7,8,9-HxCDF	105	100	105	78 - 130	13C-1,2,3,7,8,9-HxCDF	82.5	17 - 205
1,2,3,4,6,7,8-HpCDF	107	100	107	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	78.0	21 - 158
1,2,3,4,7,8,9-HpCDF	109	100	109	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	84.3	20 - 186
OCDF	210	200	105	63 - 170	13C-OCDF	75.0	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	89.6	31 - 191

LCL-UCL - Lower control limit - upper control limit

Sample ID: PDI-068SC-A-10-11-200430 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000995-01 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 16.5 g	QC Batch: B0E0079 Date Extracted: 10-May-2020 5:59
Date Collected: 30-Apr-2020 8:45	% Solids: 60.8	Date Analyzed : 05-Jun-20 12:59 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0957			IS 13C-2,3,7,8-TCDD	83.2	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0950			13C-1,2,3,7,8-PeCDD	79.8	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.164			13C-1,2,3,4,7,8-HxCDD	72.2	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.175			13C-1,2,3,6,7,8-HxCDD	75.4	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.215			13C-1,2,3,7,8,9-HxCDD	71.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND		1.13		13C-1,2,3,4,6,7,8-HpCDD	64.6	23 - 140	
OCDD	8.74			B	13C-OCDD	49.9	17 - 157	
2,3,7,8-TCDF	ND	0.110			13C-2,3,7,8-TCDF	79.9	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0829			13C-1,2,3,7,8-PeCDF	83.4	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0775			13C-2,3,4,7,8-PeCDF	82.4	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0746			13C-1,2,3,4,7,8-HxCDF	74.4	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0680			13C-1,2,3,6,7,8-HxCDF	74.2	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0799			13C-2,3,4,6,7,8-HxCDF	71.2	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.120			13C-1,2,3,7,8,9-HxCDF	67.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND		0.187		13C-1,2,3,4,6,7,8-HpCDF	66.4	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.112			13C-1,2,3,4,7,8,9-HpCDF	65.8	26 - 138	
OCDF	3.97			J, B	13C-OCDF	50.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	80.2	35 - 197	

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

TEQMinWHO2005Dioxin 0.00381

TOTALS								
Total TCDD	1.28							
Total PeCDD	0.625		0.925					
Total HxCDD	2.04							
Total HpCDD	1.69		2.82					
Total TCDF	0.888							
Total PeCDF	ND		0.0684					
Total HxCDF	0.0902			B				
Total HpCDF	ND		0.187					

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-068SC-A-11-12.3-200430 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000995-02 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 16.2 g	QC Batch: B0E0079 Date Extracted: 10-May-2020 5:59
Date Collected: 30-Apr-2020 8:45	% Solids: 62.2	Date Analyzed: 05-Jun-20 13:45 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0901			IS 13C-2,3,7,8-TCDD	78.2	25 - 164	
1,2,3,7,8-PeCDD	ND	0.125			13C-1,2,3,7,8-PeCDD	78.2	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.157			13C-1,2,3,4,7,8-HxCDD	75.4	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.159			13C-1,2,3,6,7,8-HxCDD	71.0	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.184			13C-1,2,3,7,8,9-HxCDD	69.9	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.885			J	13C-1,2,3,4,6,7,8-HpCDD	64.8	23 - 140	
OCDD	5.07			B	13C-OCDD	53.5	17 - 157	
2,3,7,8-TCDF	0.192			J	13C-2,3,7,8-TCDF	74.2	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0925			13C-1,2,3,7,8-PeCDF	83.8	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0889			13C-2,3,4,7,8-PeCDF	82.7	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0713			13C-1,2,3,4,7,8-HxCDF	74.2	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0649			13C-1,2,3,6,7,8-HxCDF	76.8	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0742			13C-2,3,4,6,7,8-HxCDF	74.0	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.114			13C-1,2,3,7,8,9-HxCDF	73.2	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0516			13C-1,2,3,4,6,7,8-HpCDF	66.7	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0573			13C-1,2,3,4,7,8,9-HpCDF	67.1	26 - 138	
OCDF	ND	0.102			13C-OCDF	52.8	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	77.6	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.0296

TOTALS								
Total TCDD	0.544		0.778					
Total PeCDD	0.339							
Total HxCDD	1.39							
Total HpCDD	2.28							
Total TCDF	1.08		1.39					
Total PeCDF	0.122		0.332					
Total HxCDF	0.0598		0.0837	B				
Total HpCDF	ND	0.0573						

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-068SC-B-00-02-200430 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000995-03 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 17.1 g	QC Batch: B0E0079 Date Extracted: 10-May-2020 5:59
Date Collected: 30-Apr-2020 8:30	% Solids: 58.5	Date Analyzed : 05-Jun-20 14:31 Column: ZB-5MS 09-Jun-20 21:54 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	0.991				IS 13C-2,3,7,8-TCDD	63.6	25 - 164	
1,2,3,7,8-PeCDD	1.99			J	13C-1,2,3,7,8-PeCDD	58.3	25 - 181	
1,2,3,4,7,8-HxCDD	6.46				13C-1,2,3,4,7,8-HxCDD	52.6	32 - 141	
1,2,3,6,7,8-HxCDD	66.9				13C-1,2,3,6,7,8-HxCDD	52.0	28 - 130	
1,2,3,7,8,9-HxCDD	20.0				13C-1,2,3,7,8,9-HxCDD	48.9	32 - 141	
1,2,3,4,6,7,8-HpCDD	7760			D	13C-1,2,3,4,6,7,8-HpCDD	38.7	23 - 140	D
OCDD	56700			D, B	13C-OCDD	24.6	17 - 157	D
2,3,7,8-TCDF	29.6				13C-2,3,7,8-TCDF	57.0	24 - 169	
1,2,3,7,8-PeCDF	54.8				13C-1,2,3,7,8-PeCDF	63.7	24 - 185	
2,3,4,7,8-PeCDF	32.0				13C-2,3,4,7,8-PeCDF	60.9	21 - 178	
1,2,3,4,7,8-HxCDF	96.7				13C-1,2,3,4,7,8-HxCDF	52.9	26 - 152	
1,2,3,6,7,8-HxCDF	21.3				13C-1,2,3,6,7,8-HxCDF	55.4	26 - 123	
2,3,4,6,7,8-HxCDF	9.52				13C-2,3,4,6,7,8-HxCDF	46.9	28 - 136	
1,2,3,7,8,9-HxCDF	8.31			B	13C-1,2,3,7,8,9-HxCDF	48.7	29 - 147	
1,2,3,4,6,7,8-HpCDF	289				13C-1,2,3,4,6,7,8-HpCDF	44.3	28 - 143	
1,2,3,4,7,8,9-HpCDF	26.7				13C-1,2,3,4,7,8,9-HpCDF	43.7	26 - 138	
OCDF	1650			B	13C-OCDF	35.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	61.9	35 - 197	

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

TEQMinWHO2005Dioxin 138

TOTALS				
Total TCDD	24.9			
Total PeCDD	55.6			
Total HxCDD	1280			
Total HpCDD	20400			
Total TCDF	141	163		
Total PeCDF	209	258		
Total HxCDF	359		B	
Total HpCDF	1620			

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-068SC-B-02-05-200430 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000995-04 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 17.9 g	QC Batch: B0E0079 Date Extracted: 10-May-2020 5:59
Date Collected: 30-Apr-2020 8:30	% Solids: 55.9	Date Analyzed : 05-Jun-20 15:17 Column: ZB-5MS 12-Jun-20 13:24 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.283			IS 13C-2,3,7,8-TCDD	47.4	25 - 164	
1,2,3,7,8-PeCDD	1.52			J	13C-1,2,3,7,8-PeCDD	45.2	25 - 181	
1,2,3,4,7,8-HxCDD	0.936			J	13C-1,2,3,4,7,8-HxCDD	41.2	32 - 141	
1,2,3,6,7,8-HxCDD	10.8				13C-1,2,3,6,7,8-HxCDD	38.9	28 - 130	
1,2,3,7,8,9-HxCDD	3.74				13C-1,2,3,7,8,9-HxCDD	34.9	32 - 141	
1,2,3,4,6,7,8-HpCDD	378				13C-1,2,3,4,6,7,8-HpCDD	28.3	23 - 140	
OCDD	5330			B	13C-OCDD	18.6	17 - 157	
2,3,7,8-TCDF	1.45				13C-2,3,7,8-TCDF	43.2	24 - 169	
1,2,3,7,8-PeCDF	1.03			J	13C-1,2,3,7,8-PeCDF	47.9	24 - 185	
2,3,4,7,8-PeCDF	9.27				13C-2,3,4,7,8-PeCDF	46.0	21 - 178	
1,2,3,4,7,8-HxCDF	6.48				13C-1,2,3,4,7,8-HxCDF	39.0	26 - 152	
1,2,3,6,7,8-HxCDF	4.63				13C-1,2,3,6,7,8-HxCDF	39.5	26 - 123	
2,3,4,6,7,8-HxCDF	9.15				13C-2,3,4,6,7,8-HxCDF	36.1	28 - 136	
1,2,3,7,8,9-HxCDF	1.92			J, B	13C-1,2,3,7,8,9-HxCDF	35.2	29 - 147	
1,2,3,4,6,7,8-HpCDF	361				13C-1,2,3,4,6,7,8-HpCDF	33.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	3.11				13C-1,2,3,4,7,8,9-HpCDF	31.0	26 - 138	
OCDF	203			B	13C-OCDF	22.0	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	48.5	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
TEQMinWHO2005Dioxin 17.3

TOTALS								
Total TCDD	6.68		7.25					
Total PeCDD	20.7		22.9					
Total HxCDD	56.3		112					
Total HpCDD	977							
Total TCDF	93.9		94.6					
Total PeCDF	193			P				
Total HxCDF	284			B				
Total HpCDF	727							

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-068SC-B-05-07-200430 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000995-05 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 18.8 g	QC Batch: B0E0079 Date Extracted: 10-May-2020 5:59
Date Collected: 30-Apr-2020 8:30	% Solids: 53.6	Date Analyzed : 05-Jun-20 16:04 Column: ZB-5MS 12-Jun-20 13:55 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.231		IS 13C-2,3,7,8-TCDD	65.8	25 - 164	
1,2,3,7,8-PeCDD	1.69			J	13C-1,2,3,7,8-PeCDD	63.0	25 - 181	
1,2,3,4,7,8-HxCDD	1.83			J	13C-1,2,3,4,7,8-HxCDD	56.9	32 - 141	
1,2,3,6,7,8-HxCDD	26.4				13C-1,2,3,6,7,8-HxCDD	53.7	28 - 130	
1,2,3,7,8,9-HxCDD	7.41				13C-1,2,3,7,8,9-HxCDD	50.4	32 - 141	
1,2,3,4,6,7,8-HpCDD	1130				13C-1,2,3,4,6,7,8-HpCDD	49.7	23 - 140	
OCDD	15300			D, B	13C-OCDD	36.6	17 - 157	D
2,3,7,8-TCDF	0.853				13C-2,3,7,8-TCDF	62.8	24 - 169	
1,2,3,7,8-PeCDF	0.716			J	13C-1,2,3,7,8-PeCDF	66.0	24 - 185	
2,3,4,7,8-PeCDF	8.27				13C-2,3,4,7,8-PeCDF	64.7	21 - 178	
1,2,3,4,7,8-HxCDF	5.41				13C-1,2,3,4,7,8-HxCDF	55.6	26 - 152	
1,2,3,6,7,8-HxCDF	5.03				13C-1,2,3,6,7,8-HxCDF	55.7	26 - 123	
2,3,4,6,7,8-HxCDF	8.97				13C-2,3,4,6,7,8-HxCDF	52.6	28 - 136	
1,2,3,7,8,9-HxCDF	1.51			J, B	13C-1,2,3,7,8,9-HxCDF	50.0	29 - 147	
1,2,3,4,6,7,8-HpCDF	281				13C-1,2,3,4,6,7,8-HpCDF	47.7	28 - 143	
1,2,3,4,7,8,9-HpCDF	4.39				13C-1,2,3,4,7,8,9-HpCDF	47.1	26 - 138	
OCDF	217			B	13C-OCDF	42.6	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	61.0	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
TEQMinWHO2005Dioxin 28.7

TOTALS								
Total TCDD	6.69		6.92					
Total PeCDD	22.9		25.1					
Total HxCDD	295							
Total HpCDD	2870							
Total TCDF	66.6		66.9					
Total PeCDF	155		160	P				
Total HxCDF	284			B				
Total HpCDF	773							

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-072SC-A-08-09-200430 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000995-06 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 14.7 g	QC Batch: B0E0079 Date Extracted: 10-May-2020 5:59
Date Collected: 30-Apr-2020 10:45	% Solids: 68.1	Date Analyzed : 05-Jun-20 16:50 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0843			IS 13C-2,3,7,8-TCDD	87.8	25 - 164	
1,2,3,7,8-PeCDD	ND	0.116			13C-1,2,3,7,8-PeCDD	86.3	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.174			13C-1,2,3,4,7,8-HxCDD	82.9	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.178			13C-1,2,3,6,7,8-HxCDD	82.9	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.205			13C-1,2,3,7,8,9-HxCDD	82.3	32 - 141	
1,2,3,4,6,7,8-HpCDD	2.66				13C-1,2,3,4,6,7,8-HpCDD	72.2	23 - 140	
OCDD	17.3			B	13C-OCDD	57.1	17 - 157	
2,3,7,8-TCDF	ND	0.0703			13C-2,3,7,8-TCDF	80.4	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0664			13C-1,2,3,7,8-PeCDF	90.0	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0606			13C-2,3,4,7,8-PeCDF	89.5	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0787			13C-1,2,3,4,7,8-HxCDF	82.1	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0733			13C-1,2,3,6,7,8-HxCDF	82.9	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0853			13C-2,3,4,6,7,8-HxCDF	81.6	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.129			13C-1,2,3,7,8,9-HxCDF	81.9	29 - 147	
1,2,3,4,6,7,8-HpCDF	0.325			J	13C-1,2,3,4,6,7,8-HpCDF	74.2	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.167			13C-1,2,3,4,7,8,9-HpCDF	72.6	26 - 138	
OCDF	0.327			J, B	13C-OCDF	59.6	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	84.9	35 - 197	

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

TEQMinWHO2005Dioxin 0.0351

TOTALS				
Total TCDD	0.542			
Total PeCDD	ND	0.116		
Total HxCDD	1.23			
Total HpCDD	6.51			
Total TCDF	0.543			
Total PeCDF	0.0602			
Total HxCDF	ND		0.0772	
Total HpCDF	0.325		0.712	

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-072SC-A-09-9.5-200430 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000995-07 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 16.0 g	QC Batch: B0E0079 Date Extracted: 10-May-2020 5:59
Date Collected: 30-Apr-2020 10:45	% Solids: 62.4	Date Analyzed: 05-Jun-20 17:36 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0893			IS 13C-2,3,7,8-TCDD	85.3	25 - 164	
1,2,3,7,8-PeCDD	ND	0.112			13C-1,2,3,7,8-PeCDD	82.4	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.126			13C-1,2,3,4,7,8-HxCDD	90.7	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.134			13C-1,2,3,6,7,8-HxCDD	83.6	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.166			13C-1,2,3,7,8,9-HxCDD	78.2	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.77			J	13C-1,2,3,4,6,7,8-HpCDD	70.2	23 - 140	
OCDD	12.9			B	13C-OCDD	59.9	17 - 157	
2,3,7,8-TCDF	0.158			J	13C-2,3,7,8-TCDF	80.0	24 - 169	
1,2,3,7,8-PeCDF	ND	0.120			13C-1,2,3,7,8-PeCDF	85.9	24 - 185	
2,3,4,7,8-PeCDF	ND	0.111			13C-2,3,4,7,8-PeCDF	84.7	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0879			13C-1,2,3,4,7,8-HxCDF	78.6	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0793			13C-1,2,3,6,7,8-HxCDF	77.6	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0908			13C-2,3,4,6,7,8-HxCDF	78.9	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.134			13C-1,2,3,7,8,9-HxCDF	78.4	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.119			13C-1,2,3,4,6,7,8-HpCDF	73.7	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.148			13C-1,2,3,4,7,8,9-HpCDF	70.1	26 - 138	
OCDF	ND	0.145			13C-OCDF	59.2	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	87.8	35 - 197	

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

TEQMinWHO2005Dioxin 0.0374

TOTALS			
Total TCDD	0.591		0.873
Total PeCDD	0.206		0.555
Total HxCDD	1.38		
Total HpCDD	4.31		
Total TCDF	1.42		3.57
Total PeCDF	0.345		0.434
Total HxCDF	ND	0.134	
Total HpCDF	ND	0.148	

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-072SC-B-00-02-200430 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000995-08 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 18.8 g	QC Batch: B0E0079 Date Extracted: 10-May-2020 5:59
Date Collected: 30-Apr-2020 10:20	% Solids: 54.0	Date Analyzed : 05-Jun-20 18:22 Column: ZB-5MS 09-Jun-20 23:29 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	0.629				IS 13C-2,3,7,8-TCDD	68.5	25 - 164	
1,2,3,7,8-PeCDD	0.977			J	13C-1,2,3,7,8-PeCDD	69.9	25 - 181	
1,2,3,4,7,8-HxCDD	1.68			J	13C-1,2,3,4,7,8-HxCDD	72.7	32 - 141	
1,2,3,6,7,8-HxCDD	12.4				13C-1,2,3,6,7,8-HxCDD	66.6	28 - 130	
1,2,3,7,8,9-HxCDD	4.17				13C-1,2,3,7,8,9-HxCDD	65.3	32 - 141	
1,2,3,4,6,7,8-HpCDD	262				13C-1,2,3,4,6,7,8-HpCDD	63.5	23 - 140	
OCDD	2030			B	13C-OCDD	59.3	17 - 157	
2,3,7,8-TCDF	24.4				13C-2,3,7,8-TCDF	66.9	24 - 169	
1,2,3,7,8-PeCDF	49.4				13C-1,2,3,7,8-PeCDF	73.4	24 - 185	
2,3,4,7,8-PeCDF	21.4				13C-2,3,4,7,8-PeCDF	73.1	21 - 178	
1,2,3,4,7,8-HxCDF	109				13C-1,2,3,4,7,8-HxCDF	67.0	26 - 152	
1,2,3,6,7,8-HxCDF	27.3				13C-1,2,3,6,7,8-HxCDF	66.6	26 - 123	
2,3,4,6,7,8-HxCDF	6.46				13C-2,3,4,6,7,8-HxCDF	68.8	28 - 136	
1,2,3,7,8,9-HxCDF	8.74			B	13C-1,2,3,7,8,9-HxCDF	65.3	29 - 147	
1,2,3,4,6,7,8-HpCDF	58.2				13C-1,2,3,4,6,7,8-HpCDF	62.5	28 - 143	
1,2,3,4,7,8,9-HpCDF	15.3				13C-1,2,3,4,7,8,9-HpCDF	63.7	26 - 138	
OCDF	117			B	13C-OCDF	58.3	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	73.7	35 - 197	

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

TEQMinWHO2005Dioxin 32.9

TOTALS								
Total TCDD	6.91		7.19					
Total PeCDD	8.14		10.6					
Total HxCDD	83.1							
Total HpCDD	573							
Total TCDF	104							
Total PeCDF	141		142					
Total HxCDF	225		226	B				
Total HpCDF	186							

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-072SC-B-02-04-200430 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000995-09 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 17.1 g	QC Batch: B0E0079 Date Extracted: 10-May-2020 5:59
Date Collected: 30-Apr-2020 10:20	% Solids: 59.7	Date Analyzed : 05-Jun-20 19:08 Column: ZB-5MS 10-Jun-20 13:13 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	0.639				IS 13C-2,3,7,8-TCDD	77.1	25 - 164	
1,2,3,7,8-PeCDD	0.872			J	13C-1,2,3,7,8-PeCDD	78.7	25 - 181	
1,2,3,4,7,8-HxCDD	0.901			J	13C-1,2,3,4,7,8-HxCDD	74.9	32 - 141	
1,2,3,6,7,8-HxCDD	6.07				13C-1,2,3,6,7,8-HxCDD	72.3	28 - 130	
1,2,3,7,8,9-HxCDD	2.78				13C-1,2,3,7,8,9-HxCDD	70.3	32 - 141	
1,2,3,4,6,7,8-HpCDD	178				13C-1,2,3,4,6,7,8-HpCDD	71.2	23 - 140	
OCDD	1540			B	13C-OCDD	68.2	17 - 157	
2,3,7,8-TCDF	51.9				13C-2,3,7,8-TCDF	73.3	24 - 169	
1,2,3,7,8-PeCDF	69.0				13C-1,2,3,7,8-PeCDF	84.0	24 - 185	
2,3,4,7,8-PeCDF	31.0				13C-2,3,4,7,8-PeCDF	82.4	21 - 178	
1,2,3,4,7,8-HxCDF	72.7				13C-1,2,3,4,7,8-HxCDF	75.9	26 - 152	
1,2,3,6,7,8-HxCDF	15.7				13C-1,2,3,6,7,8-HxCDF	76.8	26 - 123	
2,3,4,6,7,8-HxCDF	5.16				13C-2,3,4,6,7,8-HxCDF	76.0	28 - 136	
1,2,3,7,8,9-HxCDF	7.69			B	13C-1,2,3,7,8,9-HxCDF	76.5	29 - 147	
1,2,3,4,6,7,8-HpCDF	25.9				13C-1,2,3,4,6,7,8-HpCDF	73.4	28 - 143	
1,2,3,4,7,8,9-HpCDF	6.22				13C-1,2,3,4,7,8,9-HpCDF	71.1	26 - 138	
OCDF	86.7			B	13C-OCDF	64.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	78.5	35 - 197	

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

TEQMinWHO2005Dioxin 31.8

TOTALS								
Total TCDD	6.10		6.52					
Total PeCDD	8.95		10.4					
Total HxCDD	74.5							
Total HpCDD	431							
Total TCDF	72.3		164					
Total PeCDF	211		212					
Total HxCDF	147			B				
Total HpCDF	105							

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-072SC-B-04-06-200430 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000995-10 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 14.9 g	QC Batch: B0E0079 Date Extracted: 10-May-2020 5:59
Date Collected: 30-Apr-2020 10:20	% Solids: 68.1	Date Analyzed : 05-Jun-20 19:55 Column: ZB-5MS 10-Jun-20 13:44 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	1.37				IS 13C-2,3,7,8-TCDD	81.6	25 - 164	
1,2,3,7,8-PeCDD	2.40			J	13C-1,2,3,7,8-PeCDD	76.4	25 - 181	
1,2,3,4,7,8-HxCDD	2.56				13C-1,2,3,4,7,8-HxCDD	69.6	32 - 141	
1,2,3,6,7,8-HxCDD	16.9				13C-1,2,3,6,7,8-HxCDD	65.7	28 - 130	
1,2,3,7,8,9-HxCDD	7.12				13C-1,2,3,7,8,9-HxCDD	64.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	891				13C-1,2,3,4,6,7,8-HpCDD	66.1	23 - 140	
OCDD	7070			D, B	13C-OCDD	52.8	17 - 157	D
2,3,7,8-TCDF	124				13C-2,3,7,8-TCDF	75.3	24 - 169	
1,2,3,7,8-PeCDF	220				13C-1,2,3,7,8-PeCDF	81.7	24 - 185	
2,3,4,7,8-PeCDF	94.0				13C-2,3,4,7,8-PeCDF	80.1	21 - 178	
1,2,3,4,7,8-HxCDF	466				13C-1,2,3,4,7,8-HxCDF	71.2	26 - 152	
1,2,3,6,7,8-HxCDF	114				13C-1,2,3,6,7,8-HxCDF	68.6	26 - 123	
2,3,4,6,7,8-HxCDF	22.6				13C-2,3,4,6,7,8-HxCDF	64.0	28 - 136	
1,2,3,7,8,9-HxCDF	38.4			B	13C-1,2,3,7,8,9-HxCDF	64.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	237				13C-1,2,3,4,6,7,8-HpCDF	63.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	72.2				13C-1,2,3,4,7,8,9-HpCDF	64.0	26 - 138	
OCDF	506			B	13C-OCDF	56.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	80.6	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
TEQMinWHO2005Dioxin 132

TOTALS				
Total TCDD	12.8			
Total PeCDD	21.6			
Total HxCDD	233			
Total HpCDD	2120			
Total TCDF	383			
Total PeCDF	556		566	
Total HxCDF	780			B
Total HpCDF	606			

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-072SC-B-04-06-200430		QC Batch: B0E0079		Lab Sample: B0E0079-DUP1				
Source LabNumber: 2000995-10		Date Extracted: 10-May-2020 5:59		Date Analyzed: 05-Jun-20 20:41 Column: ZB-5MS				
Matrix: Solid				10-Jun-20 15:25 Column: ZB-5MS				
Sample Size: 14.8 g								
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	1.48				IS 13C-2,3,7,8-TCDD	78.7	25 - 164	
1,2,3,7,8-PeCDD	2.31			J	13C-1,2,3,7,8-PeCDD	83.3	25 - 181	
1,2,3,4,7,8-HxCDD	2.19			J	13C-1,2,3,4,7,8-HxCDD	74.9	32 - 141	
1,2,3,6,7,8-HxCDD	14.3				13C-1,2,3,6,7,8-HxCDD	71.0	28 - 130	
1,2,3,7,8,9-HxCDD	5.85				13C-1,2,3,7,8,9-HxCDD	71.1	32 - 141	
1,2,3,4,6,7,8-HpCDD	723				13C-1,2,3,4,6,7,8-HpCDD	69.9	23 - 140	
OCDD	4780			B	13C-OCDD	64.0	17 - 157	
2,3,7,8-TCDF	116				13C-2,3,7,8-TCDF	72.9	24 - 169	
1,2,3,7,8-PeCDF	232				13C-1,2,3,7,8-PeCDF	85.9	24 - 185	
2,3,4,7,8-PeCDF	88.9				13C-2,3,4,7,8-PeCDF	86.2	21 - 178	
1,2,3,4,7,8-HxCDF	491				13C-1,2,3,4,7,8-HxCDF	76.1	26 - 152	
1,2,3,6,7,8-HxCDF	116				13C-1,2,3,6,7,8-HxCDF	75.5	26 - 123	
2,3,4,6,7,8-HxCDF	22.9				13C-2,3,4,6,7,8-HxCDF	70.4	28 - 136	
1,2,3,7,8,9-HxCDF	37.7			B	13C-1,2,3,7,8,9-HxCDF	75.1	29 - 147	
1,2,3,4,6,7,8-HpCDF	185				13C-1,2,3,4,6,7,8-HpCDF	69.9	28 - 143	
1,2,3,4,7,8,9-HpCDF	68.1				13C-1,2,3,4,7,8,9-HpCDF	67.7	26 - 138	
OCDF	397			B	13C-OCDF	58.6	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	82.8	35 - 197	
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)			
					TEQMinWHO2005Dioxin 129			
TOTALS								
Total TCDD	13.4							
Total PeCDD	20.0							
Total HxCDD	203							
Total HpCDD	1720							
Total TCDF	347		390					
Total PeCDF	592		601					
Total HxCDF	811			B				
Total HpCDF	500							

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-072SC-B-04-06-200430					Duplicate Lab Sample: B0E0079-DUP1				
Source LabNumber: 2000995-10									
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	1.48	1.37	7.41	25	IS 13C-2,3,7,8-TCDD	78.7	81.6	25 - 164	
1,2,3,7,8-PeCDD	2.31	2.40	3.65	25	13C-1,2,3,7,8-PeCDD	83.3	76.4	25 - 181	
1,2,3,4,7,8-HxCDD	2.19	2.56	15.4	25	13C-1,2,3,4,7,8-HxCDD	74.9	69.6	32 - 141	
1,2,3,6,7,8-HxCDD	14.3	16.9	16.6	25	13C-1,2,3,6,7,8-HxCDD	71.0	65.7	28 - 130	
1,2,3,7,8,9-HxCDD	5.85	7.12	19.6	25	13C-1,2,3,7,8,9-HxCDD	71.1	64.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	723	891	20.9	25	13C-1,2,3,4,6,7,8-HpCDD	69.9	66.1	23 - 140	
OCDD	4780	7070	38.6	25	13C-OCDD	64.0	52.8	17 - 157	
2,3,7,8-TCDF	116	124	6.41	25	13C-2,3,7,8-TCDF	72.9	75.3	24 - 169	
1,2,3,7,8-PeCDF	232	220	5.24	25	13C-1,2,3,7,8-PeCDF	85.9	81.7	24 - 185	
2,3,4,7,8-PeCDF	88.9	94.0	5.65	25	13C-2,3,4,7,8-PeCDF	86.2	80.1	21 - 178	
1,2,3,4,7,8-HxCDF	491	466	5.24	25	13C-1,2,3,4,7,8-HxCDF	76.1	71.2	26 - 152	
1,2,3,6,7,8-HxCDF	116	114	1.51	25	13C-1,2,3,6,7,8-HxCDF	75.5	68.6	26 - 123	
2,3,4,6,7,8-HxCDF	22.9	22.6	1.24	25	13C-2,3,4,6,7,8-HxCDF	70.4	64.0	28 - 136	
1,2,3,7,8,9-HxCDF	37.7	38.4	1.97	25	13C-1,2,3,7,8,9-HxCDF	75.1	64.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	185	237	24.7	25	13C-1,2,3,4,6,7,8-HpCDF	69.9	63.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	68.1	72.2	5.87	25	13C-1,2,3,4,7,8,9-HpCDF	67.7	64.0	26 - 138	
OCDF	397	506	24.1	25	13C-OCDF	58.6	56.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	82.8	80.6	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-072SC-B-06-08-200430 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000995-11 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 14.2 g	QC Batch: B0E0079 Date Extracted: 10-May-2020 5:59
Date Collected: 30-Apr-2020 10:20	% Solids: 70.9	Date Analyzed : 05-Jun-20 21:27 Column: ZB-5MS 12-Jun-20 14:27 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0972			IS 13C-2,3,7,8-TCDD	59.3	25 - 164	
1,2,3,7,8-PeCDD	ND	0.144			13C-1,2,3,7,8-PeCDD	54.8	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.226			13C-1,2,3,4,7,8-HxCDD	48.0	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.229			13C-1,2,3,6,7,8-HxCDD	44.7	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.277			13C-1,2,3,7,8,9-HxCDD	45.2	32 - 141	
1,2,3,4,6,7,8-HpCDD	5.61				13C-1,2,3,4,6,7,8-HpCDD	43.3	23 - 140	
OCDD	40.5			B	13C-OCDD	31.9	17 - 157	
2,3,7,8-TCDF	0.822				13C-2,3,7,8-TCDF	53.0	24 - 169	
1,2,3,7,8-PeCDF	0.951			J	13C-1,2,3,7,8-PeCDF	58.5	24 - 185	
2,3,4,7,8-PeCDF	0.336			J	13C-2,3,4,7,8-PeCDF	56.6	21 - 178	
1,2,3,4,7,8-HxCDF	1.75			J	13C-1,2,3,4,7,8-HxCDF	49.6	26 - 152	
1,2,3,6,7,8-HxCDF	0.479			J	13C-1,2,3,6,7,8-HxCDF	47.5	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.249			13C-2,3,4,6,7,8-HxCDF	45.0	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.343			13C-1,2,3,7,8,9-HxCDF	47.7	29 - 147	
1,2,3,4,6,7,8-HpCDF	1.01			J	13C-1,2,3,4,6,7,8-HpCDF	44.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.381			13C-1,2,3,4,7,8,9-HpCDF	42.7	26 - 138	
OCDF	1.88			J, B	13C-OCDF	32.6	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	60.2	35 - 197	

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

TEQMinWHO2005Dioxin 0.513

TOTALS				
Total TCDD	0.779			
Total PeCDD	0.370			
Total HxCDD	3.05			
Total HpCDD	13.6			
Total TCDF	2.50			
Total PeCDF	2.21	2.36		
Total HxCDF	2.72		B	
Total HpCDF	2.09			

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-1072SC-B-02-04-200430 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000995-12 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 16.1 g	QC Batch: B0E0079 Date Extracted: 10-May-2020 5:59
Date Collected: 30-Apr-2020 10:20	% Solids: 62.0	Date Analyzed : 06-Jun-20 00:41 Column: ZB-5MS 10-Jun-20 14:55 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	0.772				IS 13C-2,3,7,8-TCDD	77.2	25 - 164	
1,2,3,7,8-PeCDD	1.19			J	13C-1,2,3,7,8-PeCDD	76.8	25 - 181	
1,2,3,4,7,8-HxCDD	1.37			J	13C-1,2,3,4,7,8-HxCDD	78.4	32 - 141	
1,2,3,6,7,8-HxCDD	9.48				13C-1,2,3,6,7,8-HxCDD	72.1	28 - 130	
1,2,3,7,8,9-HxCDD	3.79				13C-1,2,3,7,8,9-HxCDD	70.0	32 - 141	
1,2,3,4,6,7,8-HpCDD	311				13C-1,2,3,4,6,7,8-HpCDD	65.6	23 - 140	
OCDD	2610			B	13C-OCDD	64.3	17 - 157	
2,3,7,8-TCDF	38.5				13C-2,3,7,8-TCDF	72.3	24 - 169	
1,2,3,7,8-PeCDF	53.7				13C-1,2,3,7,8-PeCDF	79.9	24 - 185	
2,3,4,7,8-PeCDF	23.3				13C-2,3,4,7,8-PeCDF	80.1	21 - 178	
1,2,3,4,7,8-HxCDF	83.4				13C-1,2,3,4,7,8-HxCDF	69.4	26 - 152	
1,2,3,6,7,8-HxCDF	19.8				13C-1,2,3,6,7,8-HxCDF	69.3	26 - 123	
2,3,4,6,7,8-HxCDF	5.96				13C-2,3,4,6,7,8-HxCDF	71.6	28 - 136	
1,2,3,7,8,9-HxCDF	7.71			B	13C-1,2,3,7,8,9-HxCDF	71.3	29 - 147	
1,2,3,4,6,7,8-HpCDF	58.1				13C-1,2,3,4,6,7,8-HpCDF	62.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	13.3				13C-1,2,3,4,7,8,9-HpCDF	64.9	26 - 138	
OCDF	145			B	13C-OCDF	59.3	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	78.2	35 - 197	

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

TEQMinWHO2005Dioxin	32.2
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TOTALS			
Total TCDD	6.45	6.62	
Total PeCDD	10.7	12.6	
Total HxCDD	98.6		
Total HpCDD	719		
Total TCDF	109	116	
Total PeCDF	148	151	
Total HxCDF	175		B
Total HpCDF	189		

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

2000995 2.9°C

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

Project: Gasco PDI
Client: NW Natural

COC ID: VISTA-20200430-114327
Sample Custodian: CO
Lab: VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected		Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
				Date	Time						
001	PDI-068SC-A-10-11-200430	N	SE	04/30/2020	8:45	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
002	PDI-068SC-A-11-12.3-200430	N	SE	04/30/2020	8:45	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
003	PDI-068SC-B-00-02-200430	N	SE	04/30/2020	8:30	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
004	PDI-068SC-B-02-05-200430	N	SE	04/30/2020	8:30	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
005	PDI-068SC-B-05-07-200430	N	SE	04/30/2020	8:30	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
006	PDI-072SC-A-08-09-200430	N	SE	04/30/2020	10:45	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
007	PDI-072SC-A-09-9.5-200430	N	SE	04/30/2020	10:45	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
008	PDI-072SC-B-00-02-200430	N	SE	04/30/2020	10:20	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature:	Signature:	Signature:	Signature:
Print Name: <i>Sasha Norwood</i>	Print Name: <i>William R. Wight</i>	Print Name:	Print Name:	Print Name:	Print Name:
Company: <i>Anchor QEA</i>	Company: <i>VAL</i>	Company:	Company:	Company:	Company:
Date/Time: <i>04/30/20 12:35</i>	Date/Time: <i>5-1-20 09:04</i>	Date/Time:	Date/Time:	Date/Time:	Date/Time:

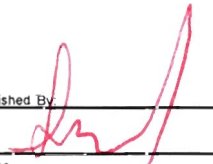
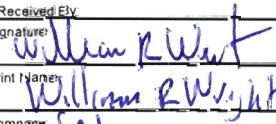
ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

2000995 2.9°C

COC ID: VISTA-20200430-114327
 Sample Custodian: CO
 Lab: VISTA

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

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
008	PDI-072SC-B-00-02-200430	N	SE	04/30/2020	10:20	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
009	PDI-072SC-B-02-04-200430	N	SE	04/30/2020	10:20	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
010	PDI-072SC-B-04-06-200430	N	SE	04/30/2020	10:20	2	<input checked="" type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
011	PDI-072SC-B-06-08-200430	N	SE	04/30/2020	10:20	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
012	PDI-1072SC-B-02-04-200430	FD	SE	04/30/2020		1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C

Comment:					
Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: 	Signature: 	Signature:	Signature:	Signature:	Signature:
Print Name: Sasha Newman	Print Name: William R Wright	Print Name:	Print Name:	Print Name:	Print Name:
Company: Anchor QEA	Company: JAI	Company:	Company:	Company:	Company:
Date/Time: 4/30/20 12:35	Date/Time: 5-1-20 09:04	Date/Time:	Date/Time:	Date/Time:	Date/Time:

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

Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 2000995

TAT 28

Samples Arrival:	Date/Time: 5/1/20 09:04	Initials: WRW	Location: WR-2
			Shelf/Rack: NA
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: 2.9 (uncorrected)	Probe used: Y / <input checked="" type="checkbox"/> N		Thermometer ID: IR-4
Temp °C: 2.9 (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>2083</u> Trk # <u>7763 6338 1397</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 checked="" type="checkbox"/> Vista	<input 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: 05/01/20 1318	Initials: CM	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# 2000995

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2000995-01	A PDI-068SC-A-10-11-200430	<input checked="" type="checkbox"/>	30-Apr-20 08:45	Amber Glass, 120 mL	Solid	
2000995-02	A PDI-068SC-A-11-12.3-200430	<input checked="" type="checkbox"/>	30-Apr-20 08:45	Amber Glass, 120 mL	Solid	
2000995-03	A PDI-068SC-B-00-02-200430	<input checked="" type="checkbox"/>	30-Apr-20 08:30	Amber Glass, 120 mL	Solid	
2000995-04	A PDI-068SC-B-02-05-200430	<input checked="" type="checkbox"/>	30-Apr-20 08:30	Amber Glass, 120 mL	Solid	
2000995-05	A PDI-068SC-B-05-07-200430	<input checked="" type="checkbox"/>	30-Apr-20 08:30	Amber Glass, 120 mL	Solid	
2000995-06	A PDI-072SC-A-08-09-200430	<input checked="" type="checkbox"/>	30-Apr-20 10:45	Amber Glass, 120 mL	Solid	
2000995-07	A PDI-072SC-A-09-9.5-200430	<input checked="" type="checkbox"/>	30-Apr-20 10:45	Amber Glass, 120 mL	Solid	
2000995-08	A PDI-072SC-B-00-02-200430	<input checked="" type="checkbox"/>	30-Apr-20 10:20	Amber Glass, 120 mL	Solid	
2000995-09	A PDI-072SC-B-02-04-200430	<input checked="" type="checkbox"/>	30-Apr-20 10:20	Amber Glass, 120 mL	Solid	
2000995-10	A PDI-072SC-B-04-06-200430	<input checked="" type="checkbox"/>	30-Apr-20 10:20	Amber Glass, 120 mL	Solid	DUP
2000995-10	B PDI-072SC-B-04-06-200430	<input checked="" type="checkbox"/>	30-Apr-20 10:20	Amber Glass, 120 mL	Solid	DUP
2000995-11	A PDI-072SC-B-06-08-200430	<input checked="" type="checkbox"/>	30-Apr-20 10:20	Amber Glass, 120 mL	Solid	
2000995-12	A PDI-1072SC-B-02-04-200430	<input checked="" type="checkbox"/>	30-Apr-20 10:20	Amber Glass, 120 mL	Solid	

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

	Yes	No	NA
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)	✓		
Preservation Documented: Na2S2O3 Trizma None Other		✓	✓
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

Comments:

Ⓐ Time given on label

Verified by/Date: CM 05/01/20

EXTRACTION INFORMATION

PRIORITY

Process Sheet

Workorder: **2000995**

Prep Expiration: 2021-04-30
Client: Anchor QEA, LLC

Workorder Due: **29-May-20 00:00**

TAT: 28

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

Prep Batch: BOE0079

Prep Data Entered: AO 05/17/20
Date and Initials

Initial Sequence: SOE0051

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2000995-01	<input checked="" type="checkbox"/>	PDI-068SC-A-10-11-200430	01-May-20 09:04	WR-2 G-5	
2000995-02	<input type="checkbox"/>	PDI-068SC-A-11-12.3-200430	01-May-20 09:04	WR-2 G-5	
2000995-03	<input type="checkbox"/>	PDI-068SC-B-00-02-200430	01-May-20 09:04	WR-2 G-5	
2000995-04	<input type="checkbox"/>	PDI-068SC-B-02-05-200430	01-May-20 09:04	WR-2 G-5	
2000995-05	<input type="checkbox"/>	PDI-068SC-B-05-07-200430	01-May-20 09:04	WR-2 G-5	
2000995-06	<input type="checkbox"/>	PDI-072SC-A-08-09-200430	01-May-20 09:04	WR-2 G-5	
2000995-07	<input type="checkbox"/>	PDI-072SC-A-09-9.5-200430	01-May-20 09:04	WR-2 G-5	
2000995-08	<input type="checkbox"/>	PDI-072SC-B-00-02-200430	01-May-20 09:04	WR-2 G-5	
2000995-09	<input type="checkbox"/>	PDI-072SC-B-02-04-200430	01-May-20 09:04	WR-2 G-5	
2000995-10	<input type="checkbox"/>	PDI-072SC-B-04-06-200430	01-May-20 09:04	WR-2 G-5	DUP
2000995-11	<input type="checkbox"/>	PDI-072SC-B-06-08-200430	01-May-20 09:04	WR-2 G-5	
2000995-12	<input type="checkbox"/>	PDI-1072SC-B-02-04-200430	01-May-20 09:04	WR-2 G-5	

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

Pre-Prep Check Out: _____ Prep Check Out: * RR 05/09/20 AZ 05/10/20 Prep Reconciled Initials/Date: KA 05/06/2020
Pre-Prep Check In: KA 05/06/2020 Prep Check In: RR 05/09/20 AZ 05/10/20 Spike Reconciled Initials/Date: RR 05/09/20

* Wasn't able to set up samples
not enough glassware. RR 05/09/20

VialBoxID: USS Farragut

PREPARATION BENCH SHEET

Matrix: Solid

B0E0079

Chemist: AO

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 10-May-20 05:59

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"/>	B0E0079-BLK1	NA	(10.00)	AO AZ 05/10/20	B0B ^(A) 05/12/20	B0B 05/12/20	RR 05/13/20	RR 05/13/20	22 05/14/20	BUM AZ 05/17/20
<input type="checkbox"/>	B0E0079-BS1	NA	(10.00)							
<input type="checkbox"/>	B0E0079-DUP1 2000995-10	14.69	14.82				yellow			
<input type="checkbox"/>	2000953-02RE1	12.28	12.28							
<input type="checkbox"/>	2000953-03RE1	13.90	13.98							
<input type="checkbox"/>	2000995-01	16.45	16.51							
<input type="checkbox"/>	2000995-02	16.09	16.23							
<input type="checkbox"/>	2000995-03	17.08	17.10							
<input type="checkbox"/>	2000995-04	17.89	17.92							
<input type="checkbox"/>	2000995-05	18.67	18.77							
<input type="checkbox"/>	2000995-06	14.69	14.69							
<input type="checkbox"/>	2000995-07	16.02	16.02							
<input type="checkbox"/>	2000995-08	18.52	18.83							
<input type="checkbox"/>	2000995-09	14.75	17.07							
<input type="checkbox"/>	2000995-10	14.69	14.89							

IS Name <u>V5</u>	NS Name <u>V1</u>	CRS Name <u>V1</u>	RS Name <u>V1</u>	Cycle Time	APP: SEFUN SOX <u>(SDS)</u>	Check Out: Chemist/Date: <u>AZ 05/10/20</u>
PCDD/F <u>19L 2301, 10M</u>	PCDD/F <u>18F 1913, 10M</u>	PCDD/F <u>19I 1602, 10M</u>	PCDD/F <u>19I 1603, 10M</u>	Start Date/Time <u>1920 05/10/20</u>	SOLV: <u>T01</u>	Check In: Chemist/Date: <u>AZ 05/19/20</u>
PCB _____	PCB _____	PCB _____	PCB _____	Stop Date/Time <u>620 05/11/20</u>	Other <u>NA</u>	Balance ID: <u>HRMS-9</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

(A) no spike witness due to cold-19. B0B05/12/20
 (B) Color, oily, smells like gasoline. B0B 05/12/20

PREPARATION BENCH SHEET

Matrix: Solid

B0E0079

Chemist: AO

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 10-May-20 05:59

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"/>	2000995-11	(B)(C) 14.10	14.24	NO RE 05/10/20	BOB 05/12/20	BOB 05/12/20	RR 05/13/20	RR 05/13/20	u 05/14/20	EM RB 05/17/20
<input type="checkbox"/>	2000995-12	I 16.12	16.14	I	I	I	I	I	I	

- (B) No spike witness due to Covid-19. BOB 05/12/20
- (C) Color, oily, smelled like gasoline. BOB 05/12/20
- (I) a few mls leaked from stopcock when AP. BOB 05/12/20

IS Name <u>13</u>	NS Name <u>V1</u>	CRS Name <u>V1</u>	RS Name	Cycle Time	APP: SEFUN SOX <u>SDS</u>	Check Out: <u>AZ</u>
PCDD/F <u>19L2301, 10ML</u>	PCDD/F <u>18F1913, 10ML</u>	PCDD/F <u>19I1602, 10ML</u>	PCDD/F	Start Date/Time	SOLV: <u>T01</u>	Chemist/Date: <u>AZ 05/14/20</u>
PCB	PCB	PCB	PCB	<u>1420</u> 05/10/20	Other <u>NA</u>	Check In: <u>AZ</u>
PAH	PAH	PAH	PAH	Stop Date/Time	Final Volume(s) <u>20ML</u>	Chemist/Date: <u>AZ 05/14/20</u>
				<u>170</u> 05/14/20	<u>C14</u>	Balance ID: <u>HRMS-9</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: KA ✓	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) RR 05/09/20 ✓
Analyte:	Units: %	
Oven ID: <u>01</u> ✓ 02	Dried at 110°C +/- 5°C	

Inst. HRMS-9 ✓ Date/Time IN: 05/06/20 1106 ✓ Date/Time OUT: 05/07/20 0942 ✓

Particle Size	SampID	SampType	Initial and Date:		KA 05/06/20 ✓		KA 05/07/20 ✓		Dry Sample Weight (g)	%Solids RawVal	KA 05/06/20 ✓		NA	NA	KA 05/06/20 ✓
			Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	Visual Inspection	Cl-			pH Before	pH After	Acid Added	Sample Homogenized*	
	2000995-01	A ✓	Sample	1.2900 ✓	5.6500 ✓	3.9400 ✓	2.6500	60.78	MUD ✓	NA	NA	NA	NA	X ✓	
	2000995-02	A	Sample	1.3000 ✓	4.9200 ✓	3.5500 ✓	2.2500	62.15	MUD	NA	NA	NA	NA	X	
	2000995-03	A	Sample	1.3200 ✓	5.7100 ✓	3.8900 ✓	2.5700	58.54	MUD	NA	NA	NA	NA	X	
	2000995-04	A	Sample	1.3000 ✓	4.8600 ✓	3.2900 ✓	1.9900	55.90	MUD	NA	NA	NA	NA	X	
	2000995-05	A	Sample	1.2900 ✓	4.9500 ✓	3.2500 ✓	1.9600	53.55	MUD	NA	NA	NA	NA	X	
	2000995-06	A	Sample	1.2800 ✓	9.8900 ✓	7.1400 ✓	5.8600	68.06	MUD	NA	NA	NA	NA	X	
	2000995-07	A	Sample	1.3100 ✓	4.4500 ✓	3.2700 ✓	1.9600	62.42	MUD	NA	NA	NA	NA	X	
	2000995-08	A	Sample	1.2800 ✓	6.3000 ✓	3.9900 ✓	2.7100	53.98	MUD	NA	NA	NA	NA	X	
	2000995-09	A	Sample	1.2800 ✓	6.3900 ✓	4.3300 ✓	3.0500	59.69	MUD	NA	NA	NA	NA	X	
	2000995-10	A	Sample	1.2900 ✓	5.3600 ✓	4.0600 ✓	2.7700	68.06	MUD	NA	NA	NA	NA	X	
	2000995-11	A	Sample	1.2700 ✓	5.4000 ✓	4.2000 ✓	2.9300	70.94	MUD	NA	NA	NA	NA	X	
	2000995-12	A ✓	Sample	1.2900 ✓	4.9500 ✓	3.5600 ✓	2.2700	62.02	MUD ✓	NA	NA	NA	NA	X ✓	

*Sample homogenized in sample container unless otherwise noted.

Analyst:	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) _____
Analyte:	Units: %	
Oven ID: (01) 02	Dried at 110°C+/-5°C	

Date/Time IN: Date/Time OUT

05/07/20 11:00 05/07/20

Inst

Particle Size	SampID	SampType	Initial and Date:		Wet Pan and Sample Weight (g)	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)	LA 05/07/2020										
	2000995-01	Sample				3.94								
	2000995-02	Sample				3.55								
	2000995-03	Sample				3.44								
	2000995-04	Sample				3.29								
	2000995-05	Sample				3.25								
	2000995-06	Sample				7.14								
	2000995-07	Sample	6.31	9.5		3.27								
	2000995-08	Sample	1.28	6.70		3.99								
	2000995-09	Sample	1.28	6.79		4.23								
	2000995-10	Sample	1.29	5.36		4.06								
	2000995-11	Sample	1.29	5.40		4.20								
	2000995-12	Sample	1.29	4.95		2.56								

*Sample homogenized in sample container unless otherwise noted.

Batch: B0E0079

Matrix: Solid

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
2000953-02RE1	12.28	81.42292	9.9987	20	10-May-20 05:59	AZK			Sediment	1613 Full List
2000953-03RE1	13.98	71.92225	10.0547	20	10-May-20 05:59	AZK			Sediment	1613 Full List
2000995-01	16.51	60.77982	10.0347	20	10-May-20 05:59	AZK			Sediment	1613 Full List
2000995-02	16.23	62.15469	10.0877	20	10-May-20 05:59	AZK			Sediment	1613 Full List
2000995-03	17.1	58.54214	10.0107	20	10-May-20 05:59	AZK			Sediment	1613 Full List
2000995-04	17.92	55.89887	10.0171	20	10-May-20 05:59	AZK			Sediment	1613 Full List
2000995-05	18.77	53.55191	10.0517	20	10-May-20 05:59	AZK			Sediment	1613 Full List
2000995-06	14.69	68.06039	9.9981	20	10-May-20 05:59	AZK			Sediment	1613 Full List
2000995-07	16.02	62.42039	9.9997	20	10-May-20 05:59	AZK			Sediment	1613 Full List
2000995-08	18.83	53.98406	10.1652	20	10-May-20 05:59	AZK			Sediment	1613 Full List
2000995-09	17.07	59.68689	10.1886	20	10-May-20 05:59	AZK			Sediment	1613 Full List
2000995-10	14.89	68.05897	10.1340	20	10-May-20 05:59	AZK			Sediment	1613 Full List
2000995-11	14.24	70.94431	10.1025	20	10-May-20 05:59	AZK			Sediment	1613 Full List
2000995-12	16.14	62.02186	10.0103	20	10-May-20 05:59	AZK			Sediment	1613 Full List
B0E0079-BLK1	10			20	10-May-20 05:59	AZK				QC
B0E0079-BS1	10			20	10-May-20 05:59	AZK				QC
B0E0079-DUP1	14.82	68.05897	10.063	20	10-May-20 05:59	AZK				QC

All bolded data on report verified against written benchsheet by (initial/date) AO 05/17/20

SAMPLE DATA – EPA METHOD 1613

Dataset: U:\VG12.PRO\Results\200518R2\200518R2-5.qld

Last Altered: Tuesday, May 19, 2020 09:58:57 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 09:59:36 Pacific Daylight Time

GLD 05/19/2020

CT 05/22/2020

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: 200518R2_5, Date: 18-May-2020, Time: 17:07:38, ID: B0E0079-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.947	10.000	26.080		1.001				0.0515	
2	2 1,2,3,7,8-PeCDD			NO	0.942	10.000	31.147		1.001				0.0463	
3	3 1,2,3,4,7,8-HxCDD			NO	1.06	10.000	34.515		1.000				0.0740	
4	4 1,2,3,6,7,8-HxCDD			NO	0.915	10.000	34.612		1.000				0.0784	
5	5 1,2,3,7,8,9-HxCDD			NO	0.915	10.000	34.888		1.000				0.0853	
6	6 1,2,3,4,6,7,8-HpCDD			NO	0.898	10.000	38.394		1.000				0.0993	
7	7 OCDD	5.54e2	0.97	NO	0.933	10.000	41.364	41.39	1.000	1.001	0.23652		0.0734	0.237
8	8 2,3,7,8-TCDF			NO	0.787	10.000	25.147		1.001				0.0300	
9	9 1,2,3,7,8-PeCDF			NO	0.910	10.000	29.834		1.001				0.0329	
10	10 2,3,4,7,8-PeCDF			NO	0.966	10.000	30.835		1.001				0.0326	
11	11 1,2,3,4,7,8-HxCDF			NO	0.878	10.000	33.643		1.000				0.0567	
12	12 1,2,3,6,7,8-HxCDF			NO	0.874	10.000	33.770		1.000				0.0549	
13	13 2,3,4,6,7,8-HxCDF			NO	0.922	10.000	34.369		1.001				0.0583	
14	14 1,2,3,7,8,9-HxCDF	4.23e2	1.26	NO	0.864	10.000	35.230	35.25	1.000	1.001	0.12896		0.0417	0.129
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.871	10.000	37.003		1.001				0.0724	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.000	38.968		1.000				0.0791	
17	17 OCDF	3.39e2	0.98	NO	0.802	10.000	41.545	41.55	1.000	1.000	0.14233		0.111	0.142
18	18 13C-2,3,7,8-TCDD	1.28e6	0.78	NO	1.16	10.000	26.031	26.05	1.026	1.027	179.08	89.5	0.190	
19	19 13C-1,2,3,7,8-PeCDD	9.86e5	0.62	NO	0.847	10.000	31.123	31.13	1.227	1.227	188.69	94.3	0.189	
20	20 13C-1,2,3,4,7,8-HxCDD	6.80e5	1.26	NO	0.750	10.000	34.506	34.51	1.014	1.014	167.73	83.9	0.457	
21	21 13C-1,2,3,6,7,8-HxCDD	8.49e5	1.25	NO	0.963	10.000	34.618	34.61	1.017	1.017	163.14	81.6	0.356	
22	22 13C-1,2,3,7,8,9-HxCDD	7.48e5	1.25	NO	0.838	10.000	34.887	34.88	1.025	1.025	165.21	82.6	0.410	
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.86e5	1.05	NO	0.641	10.000	38.378	38.38	1.128	1.128	169.10	84.5	0.435	
24	24 13C-OCDD	1.00e6	0.87	NO	0.586	10.000	41.372	41.36	1.216	1.216	316.85	79.2	0.402	
25	25 13C-2,3,7,8-TCDF	1.63e6	0.78	NO	1.03	10.000	25.090	25.12	0.989	0.991	178.86	89.4	0.287	
26	26 13C-1,2,3,7,8-PeCDF	1.41e6	1.58	NO	0.845	10.000	29.812	29.81	1.176	1.176	189.42	94.7	0.481	
27	27 13C-2,3,4,7,8-PeCDF	1.33e6	1.57	NO	0.814	10.000	30.803	30.80	1.215	1.215	184.66	92.3	0.499	
28	28 13C-1,2,3,4,7,8-HxCDF	9.08e5	0.51	NO	1.00	10.000	33.645	33.64	0.989	0.989	167.22	83.6	0.394	
29	29 13C-1,2,3,6,7,8-HxCDF	1.02e6	0.51	NO	1.14	10.000	33.767	33.76	0.992	0.992	166.44	83.2	0.349	
30	30 13C-2,3,4,6,7,8-HxCDF	9.06e5	0.51	NO	1.02	10.000	34.336	34.33	1.009	1.009	164.00	82.0	0.388	
31	31 13C-1,2,3,7,8,9-HxCDF	7.59e5	0.52	NO	0.845	10.000	35.227	35.23	1.035	1.035	166.22	83.1	0.469	

Dataset: U:\VG12.PRO\Results\200518R2\200518R2-5.qld

Last Altered: Tuesday, May 19, 2020 09:58:57 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 09:59:36 Pacific Daylight Time

Name: 200518R2_5, Date: 18-May-2020, Time: 17:07:38, ID: B0E0079-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.76e5	0.42	NO	0.771	10.000	36.959	36.97	1.086	1.086	162.20	81.1	0.513	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.71e5	0.44	NO	0.482	10.000	38.970	38.97	1.145	1.145	180.78	90.4	0.820	
34	34 13C-OCDF	1.19e6	0.87	NO	0.669	10.000	41.542	41.54	1.221	1.221	329.00	82.3	0.373	
35	35 37Cl-2,3,7,8-TCDD	4.71e5			1.10	10.000	26.061	26.07	1.028	1.028	69.464	86.8	0.0341	
36	36 13C-1,2,3,4-TCDD	1.23e6	0.78	NO	1.00	10.000	25.350	25.36	1.000	1.000	200.00	100	0.220	
37	37 13C-1,2,3,4-TCDF	1.77e6	0.78	NO	1.00	10.000	23.560	23.59	1.000	1.000	200.00	100	0.297	
38	38 13C-1,2,3,4,6,9-HxCDF	1.08e6	0.51	NO	1.00	10.000	34.000	34.03	1.000	1.000	200.00	100	0.396	
39	39 Total Tetra-Dioxins				0.947	10.000	24.620		0.000				0.0311	
40	40 Total Penta-Dioxins				0.942	10.000	29.960		0.000				0.0174	
41	41 Total Hexa-Dioxins				0.915	10.000	33.635		0.000				0.0448	
42	42 Total Hepta-Dioxins				0.898	10.000	37.640		0.000				0.0632	
43	43 Total Tetra-Furans				0.787	10.000	23.610		0.000				0.0126	
44	44 1st Func. Penta-Furans				0.910	10.000	27.090		0.000				0.00669	
45	45 Total Penta-Furans				0.910	10.000	29.275		0.000				0.0168	
46	46 Total Hexa-Furans				0.922	10.000	33.555		0.000		0.16478		0.0290	0.165
47	47 Total Hepta-Furans				0.871	10.000	37.835		0.000				0.0474	

Dataset: U:\VG12.PRO\Results\200518R2\200518R2-5.qld

Last Altered: Tuesday, May 19, 2020 09:58:57 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 09:59:36 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

Name: 200518R2_5, Date: 18-May-2020, Time: 17:07:38, ID: B0E0079-BLK1 Method Blank 10, Description: Method Blank

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

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

Hepta-Dioxins

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

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												

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200518R2\200518R2-5.qld

Last Altered: Tuesday, May 19, 2020 09:58:57 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 09:59:36 Pacific Daylight Time

Name: 200518R2_5, Date: 18-May-2020, Time: 17:07:38, ID: B0E0079-BLK1 Method Blank 10, Description: Method Blank

Penta-Furans

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

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,7,8,9-HxCDF	35.25	3.564e3	3.743e3	2.357e2	1.871e2	1.26	NO	4.228e2	0.12896	0.12896	0.0417
2	Total Hexa-Furans	35.28	2.320e3	2.984e3	8.191e1	6.650e1	1.23	NO	1.484e2	0.035826	0.035826	0.0290

Hepta-Furans

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

Dataset: Untitled

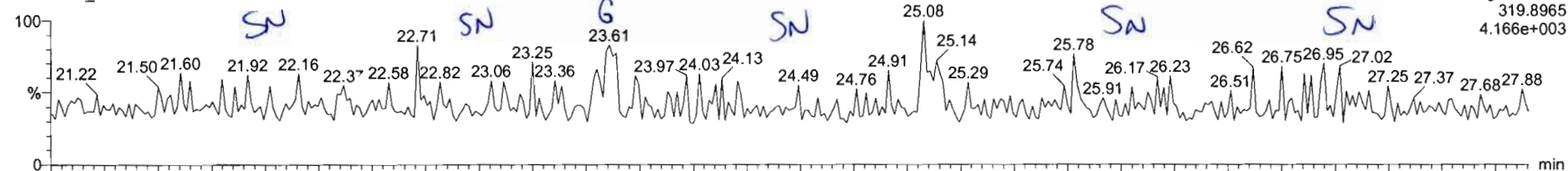
Last Altered: Tuesday, May 19, 2020 07:25:38 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 07:47:40 Pacific Daylight Time

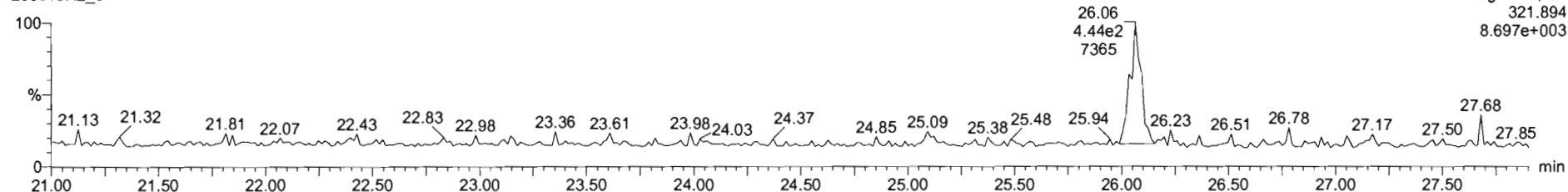
Name: 200518R2_5, Date: 18-May-2020, Time: 17:07:38, ID: B0E0079-BLK1 Method Blank 10, Description: Method Blank

2,3,7,8-TCDD

200518R2_5

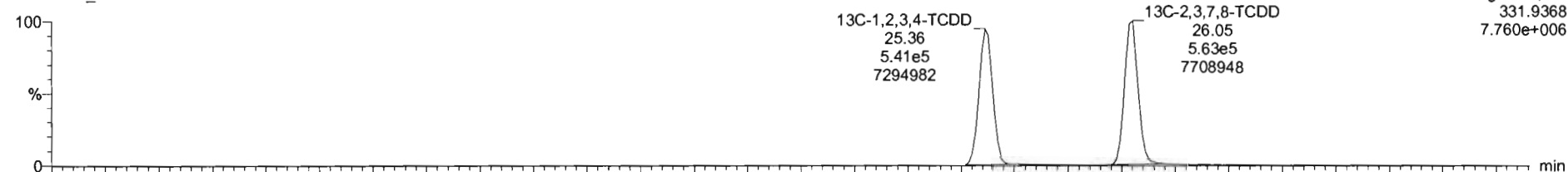


200518R2_5

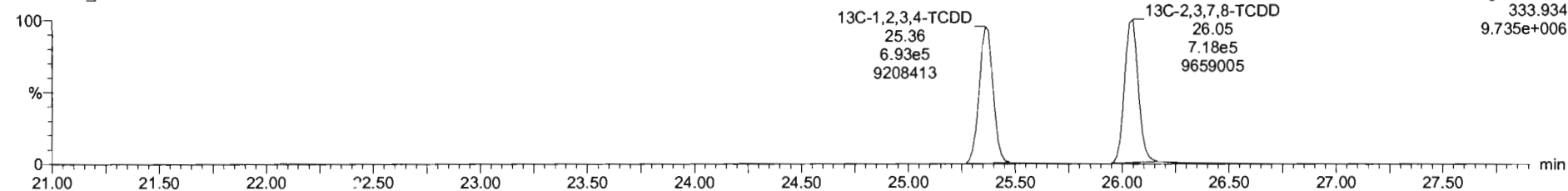


13C-2,3,7,8-TCDD

200518R2_5



200518R2_5



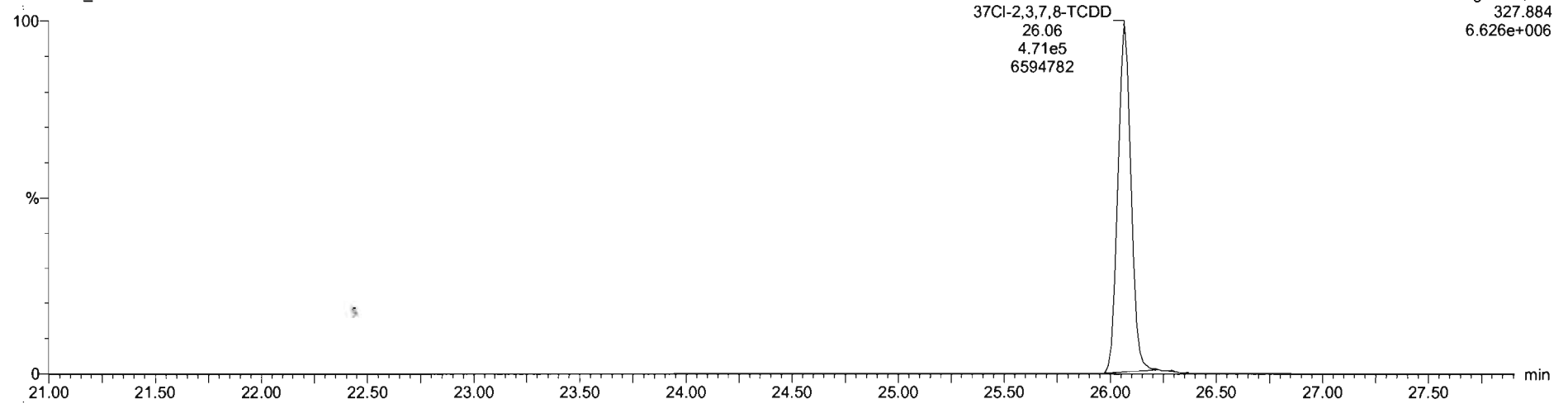
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Printed: Tuesday, May 19, 2020 07:47:40 Pacific Daylight Time

Name: 200518R2_5, Date: 18-May-2020, Time: 17:07:38, ID: B0E0079-BLK1 Method Blank 10, Description: Method Blank

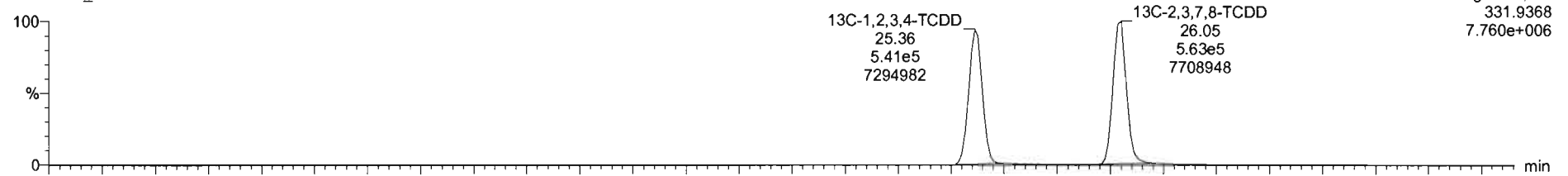
37Cl-2,3,7,8-TCDD

200518R2_5

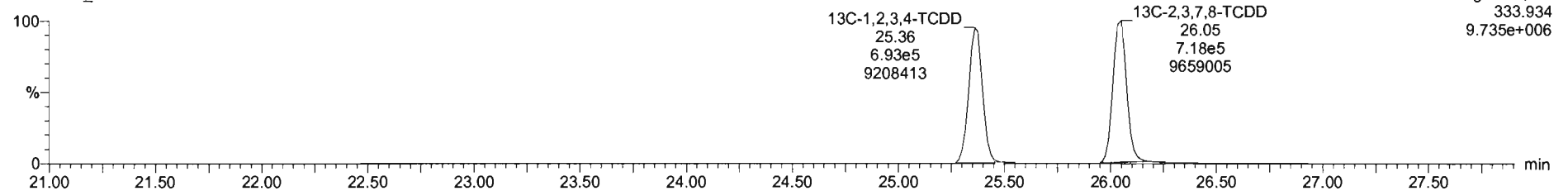


13C-1,2,3,4-TCDD

200518R2_5



200518R2_5



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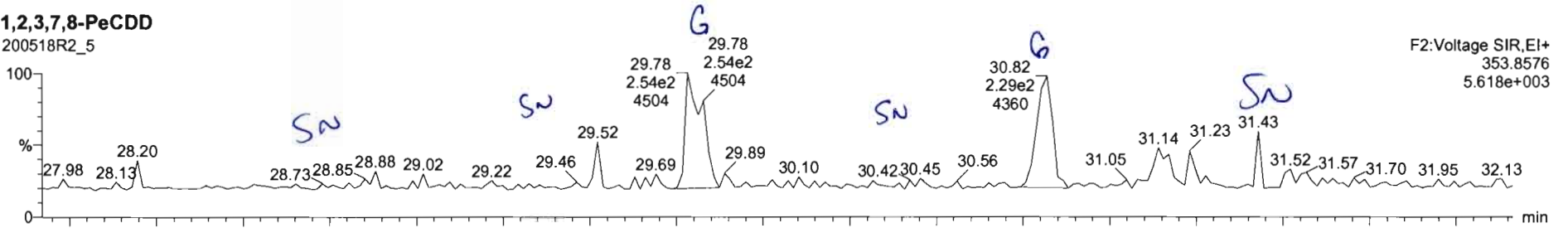
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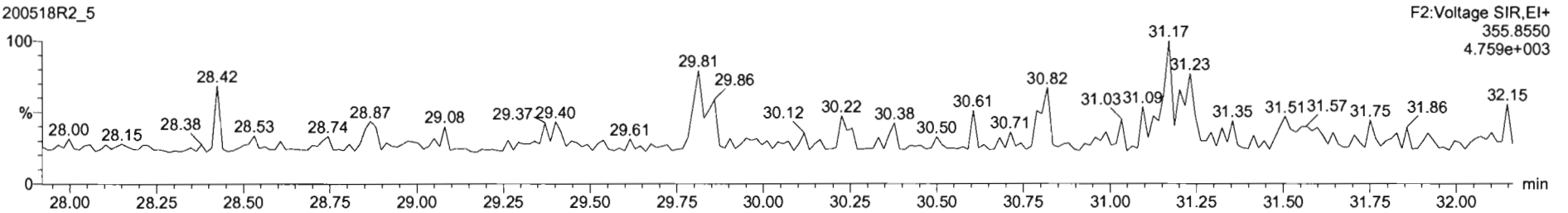
1,2,3,7,8-PeCDD

200518R2_5



F2:Voltage SIR,EI+
353.8576
5.618e+003

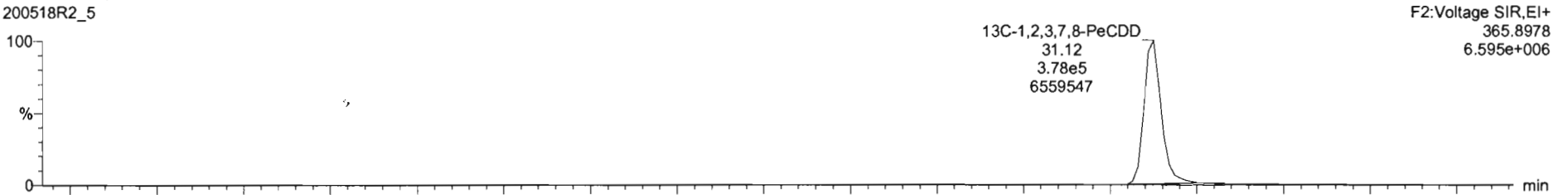
200518R2_5



F2:Voltage SIR,EI+
355.8550
4.759e+003

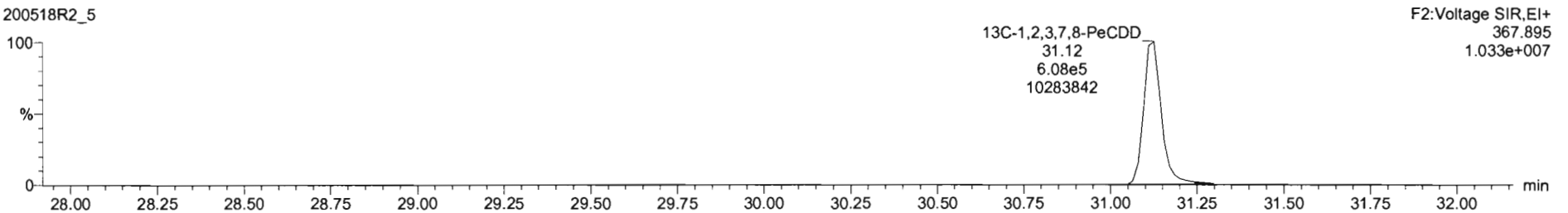
13C-1,2,3,7,8-PeCDD

200518R2_5



F2:Voltage SIR,EI+
365.8978
6.595e+006

200518R2_5



F2:Voltage SIR,EI+
367.895
1.033e+007

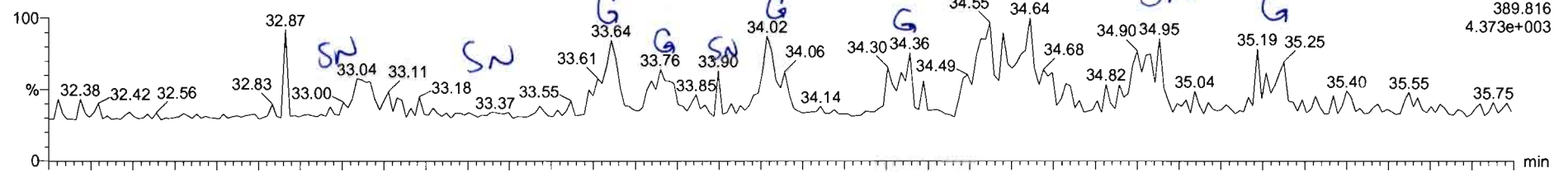
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Printed: Tuesday, May 19, 2020 07:47:40 Pacific Daylight Time

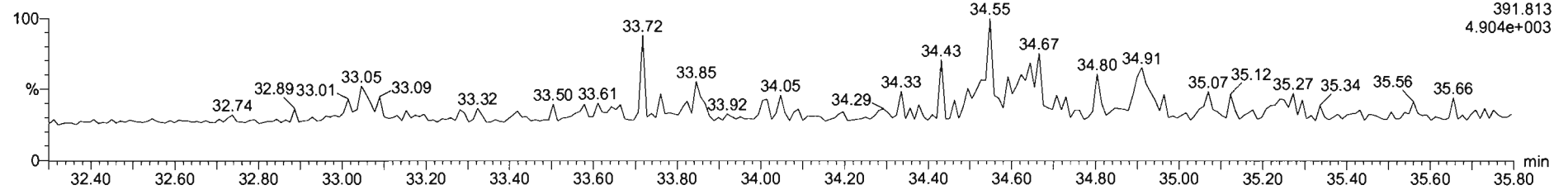
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1,2,3,4,7,8-HxCDD

200518R2_5

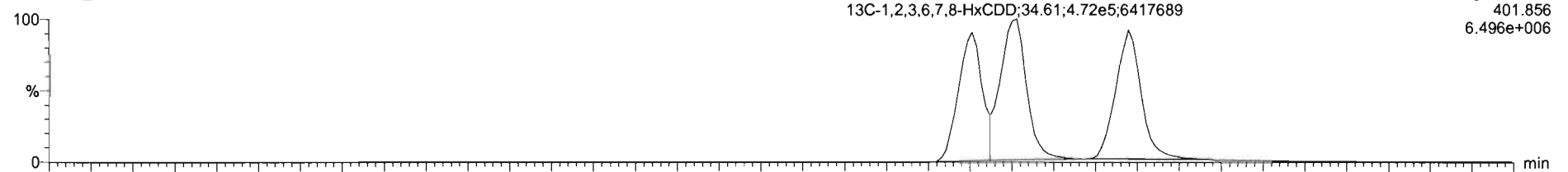


200518R2_5

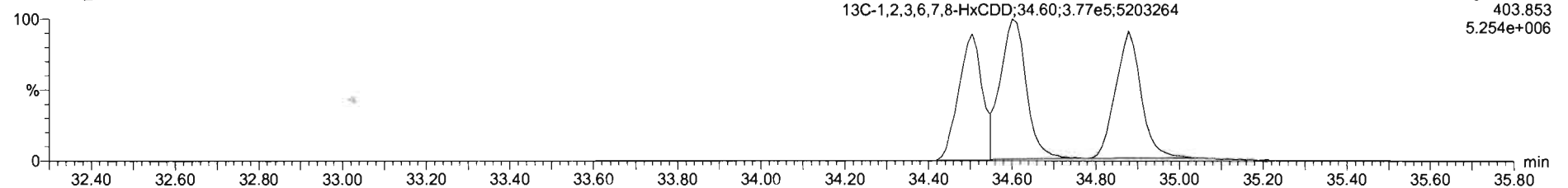


13C-1,2,3,4,7,8-HxCDD

200518R2_5



200518R2_5



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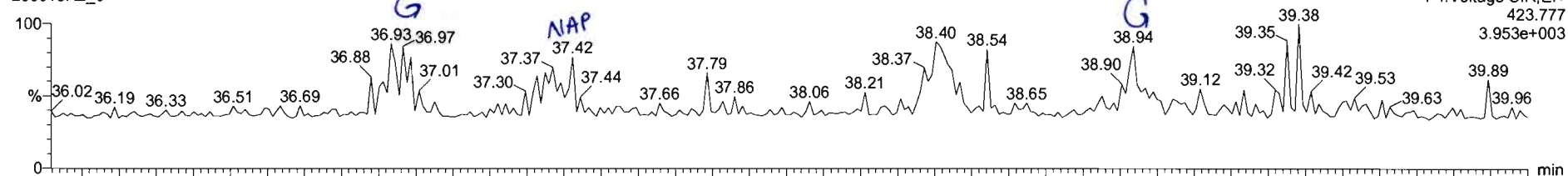
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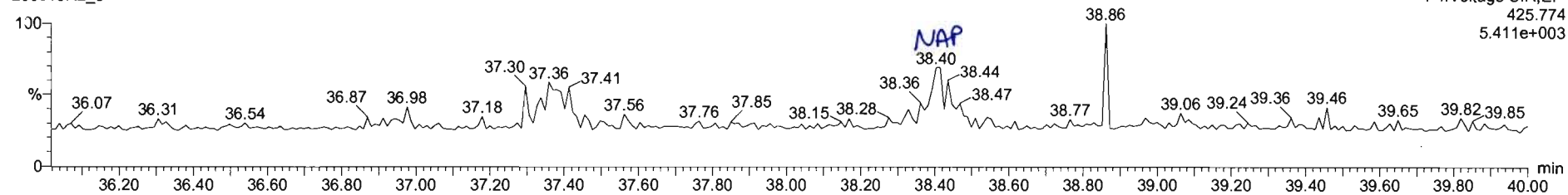
1,2,3,4,6,7,8-HpCDD

200518R2_5



F4: Voltage SIR, EI+
423.777
3.953e+003

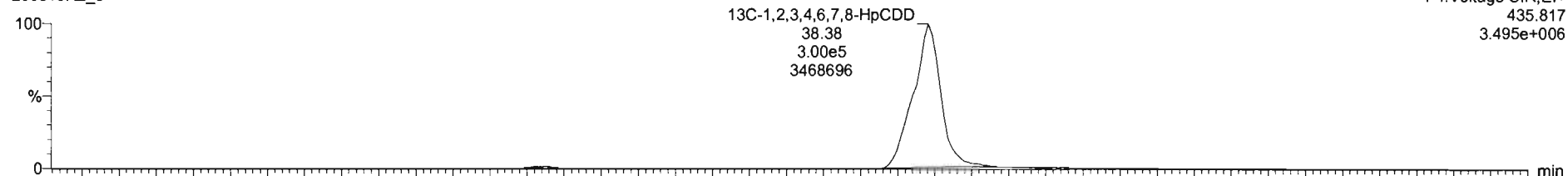
200518R2_5



F4: Voltage SIR, EI+
425.774
5.411e+003

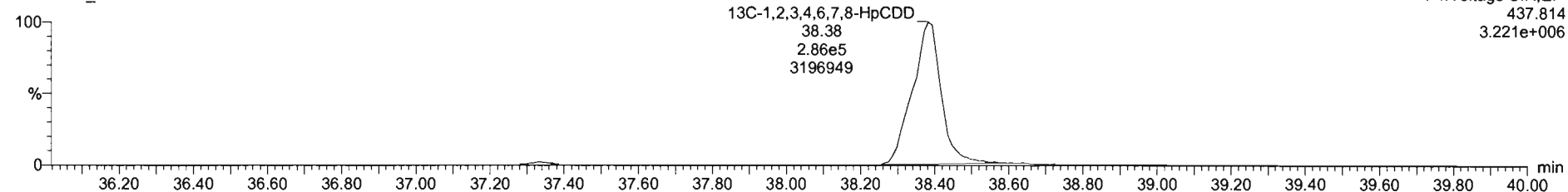
13C-1,2,3,4,6,7,8-HpCDD

200518R2_5



F4: Voltage SIR, EI+
435.817
3.495e+006

200518R2_5



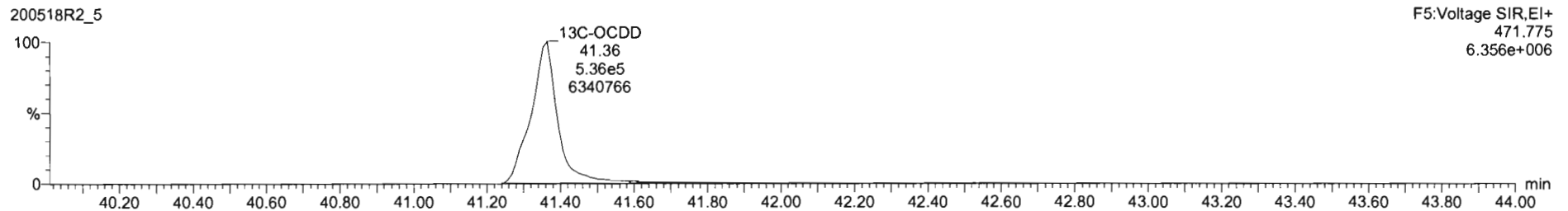
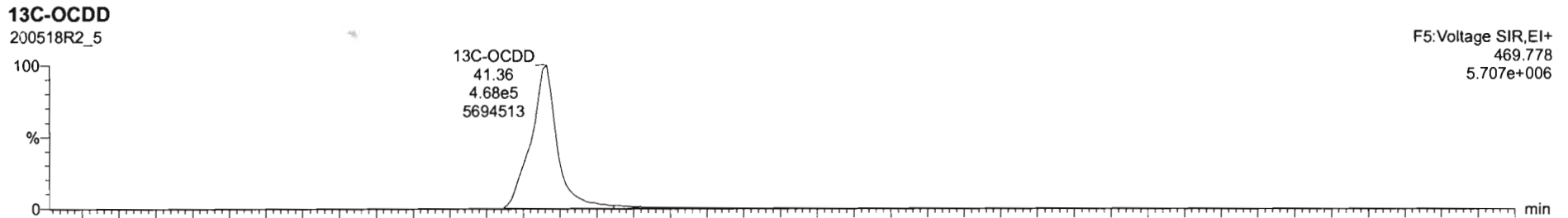
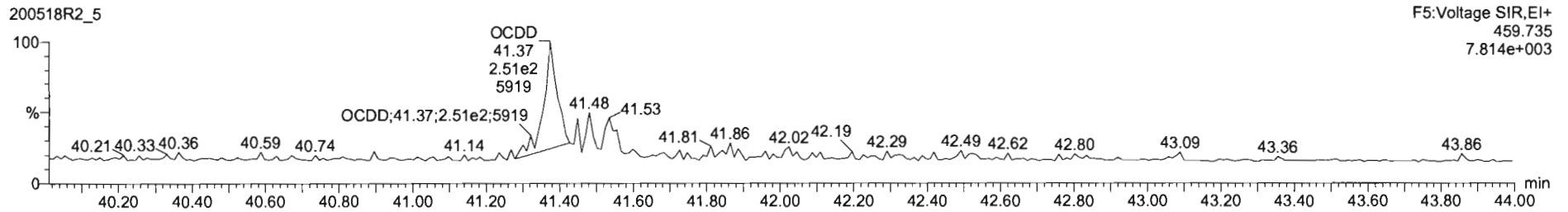
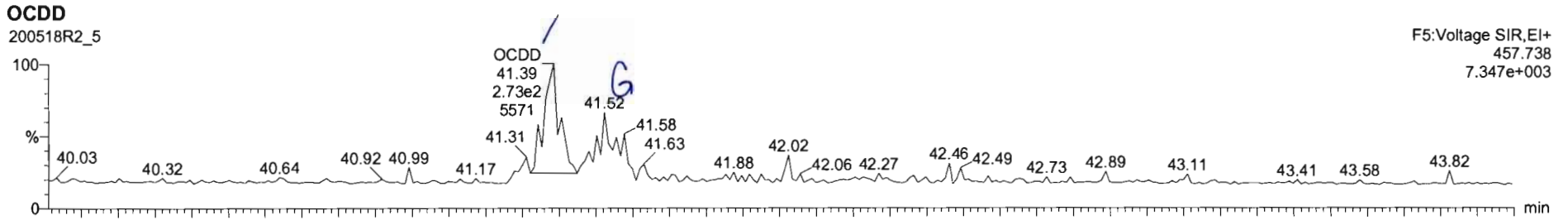
F4: Voltage SIR, EI+
437.814
3.221e+006

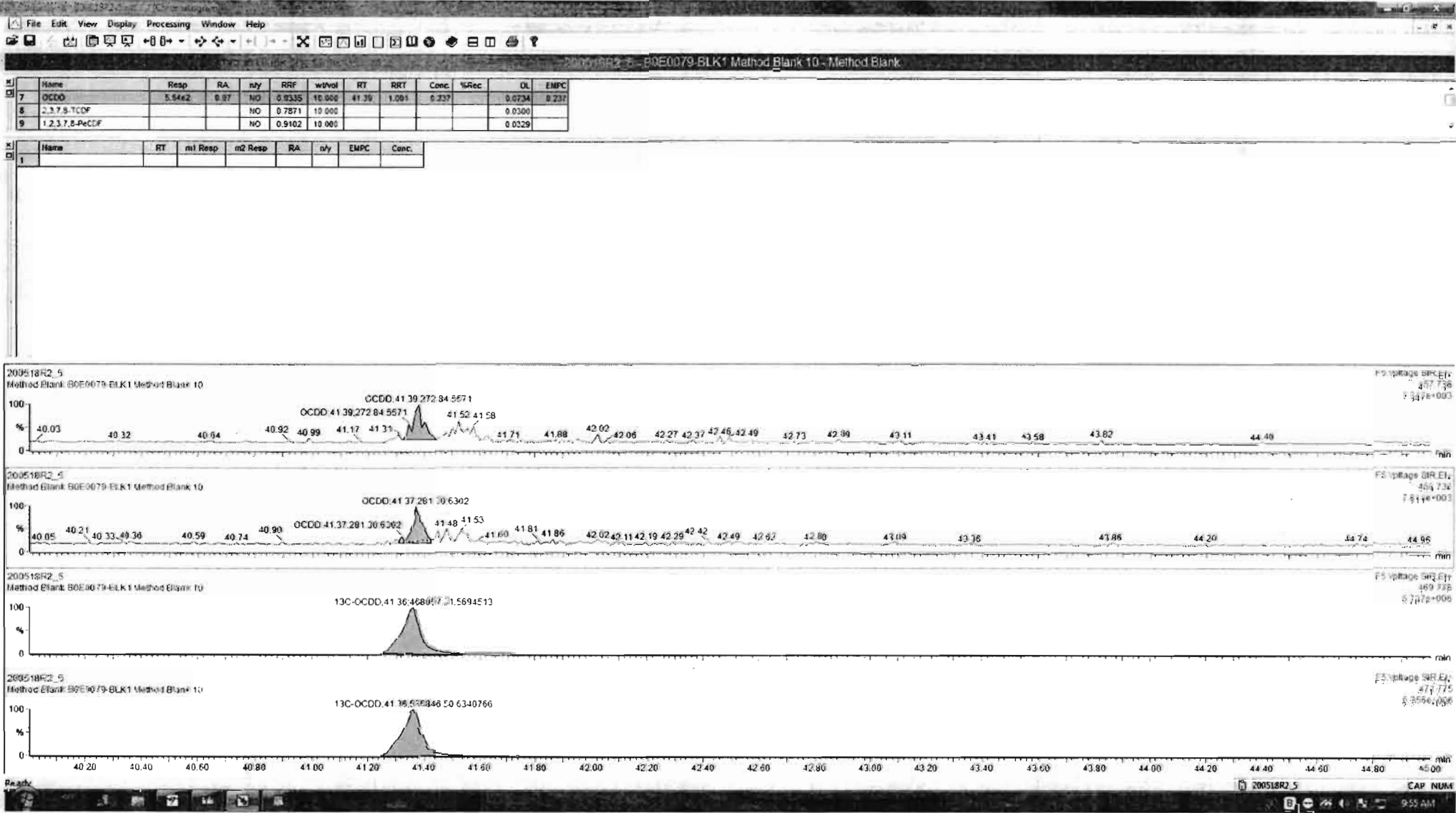
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Printed: Tuesday, May 19, 2020 07:47:40 Pacific Daylight Time

Name: 200518R2_5, Date: 18-May-2020, Time: 17:07:38, ID: B0E0079-BLK1 Method Blank 10, Description: Method Blank



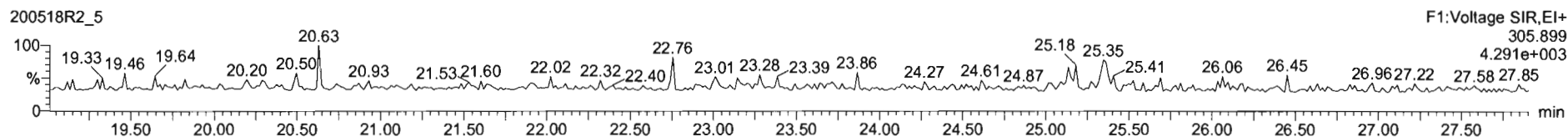
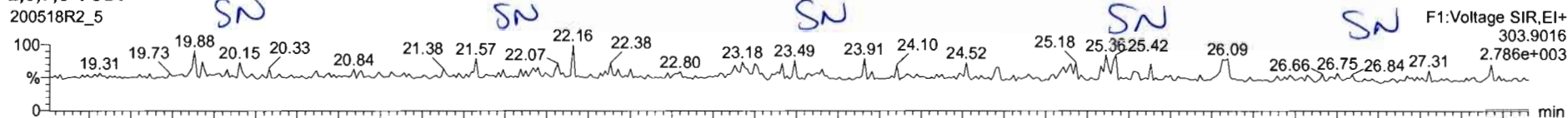


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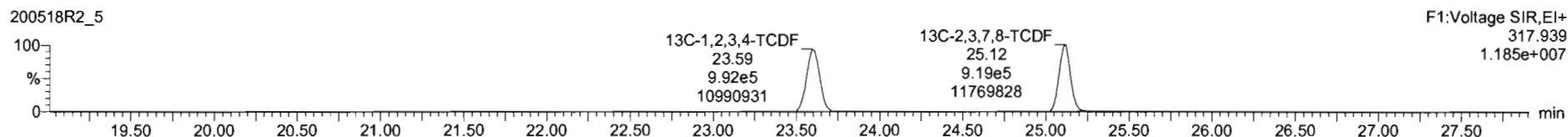
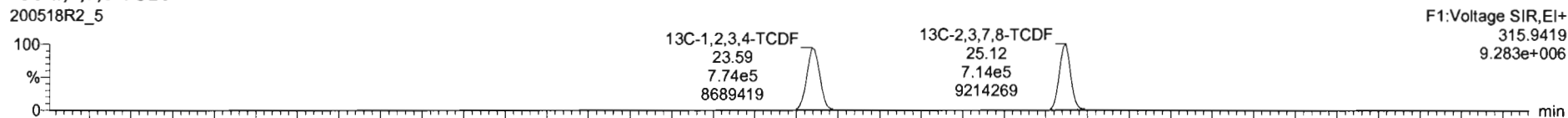
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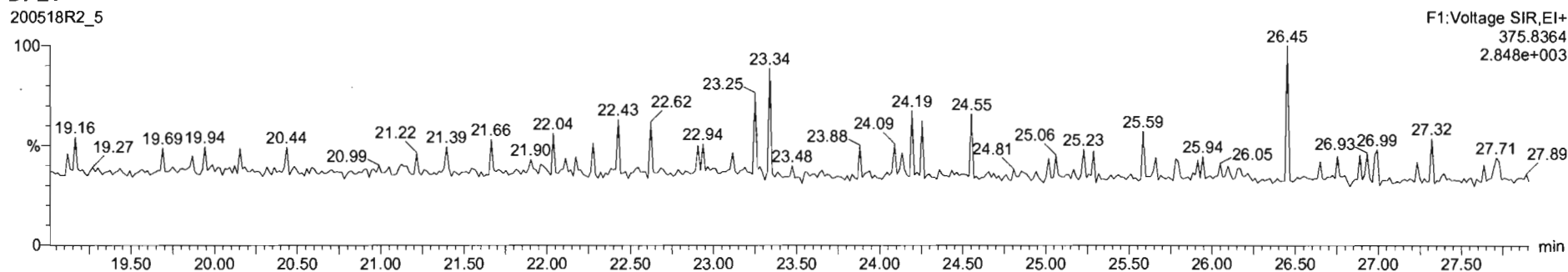
2,3,7,8-TCDF



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



DPE1



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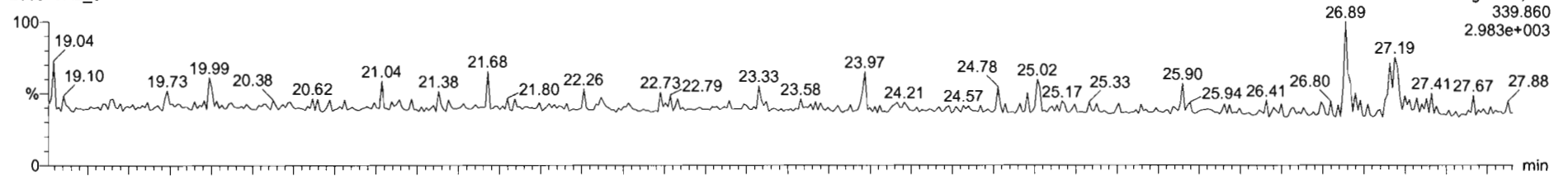
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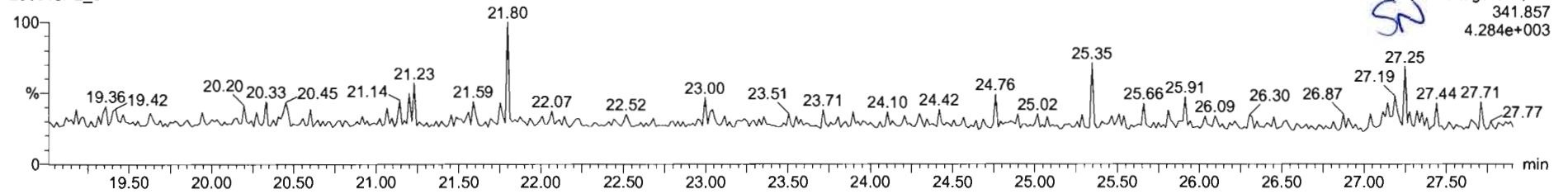
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1st Func. Penta-Furans

200518R2_5

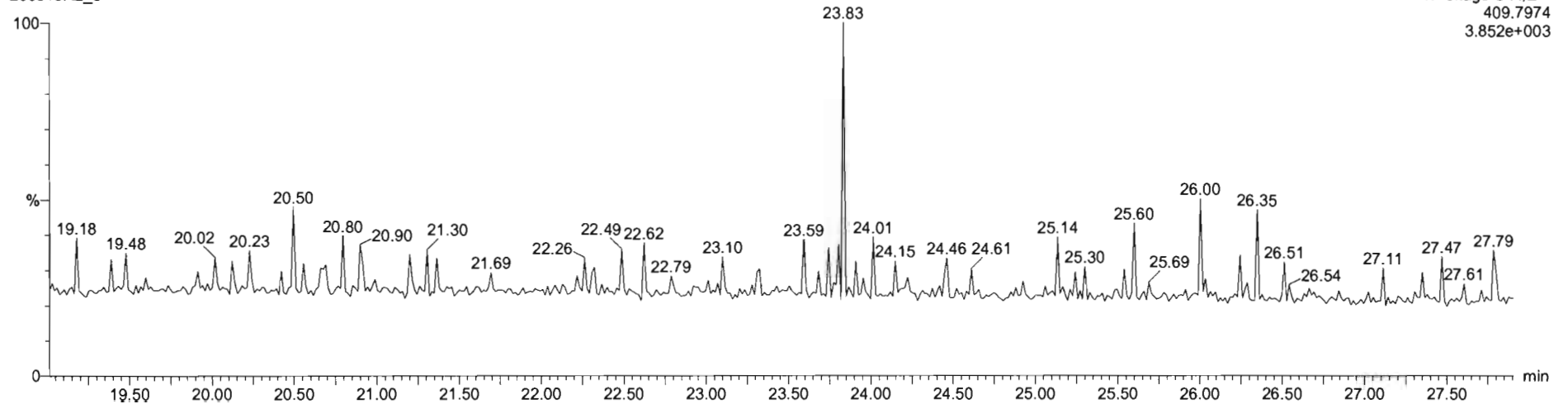


200518R2_5



DPE6

200518R2_5

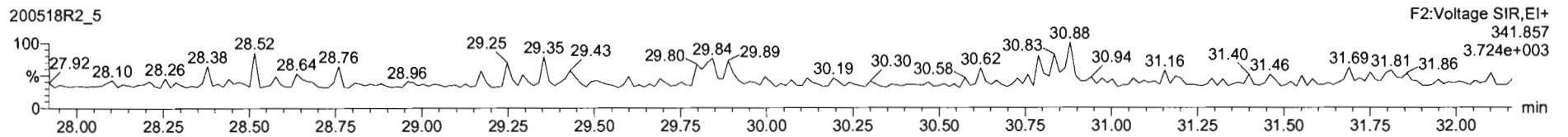
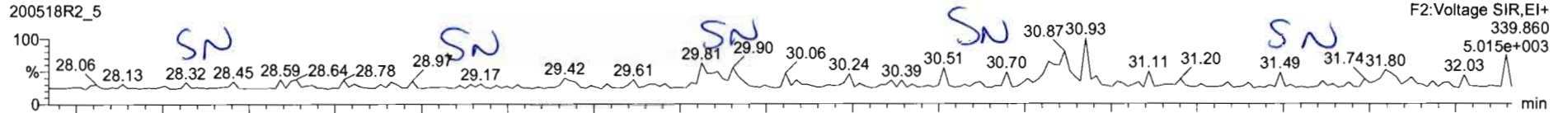


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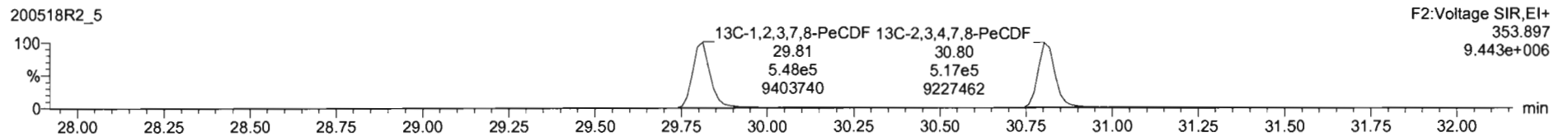
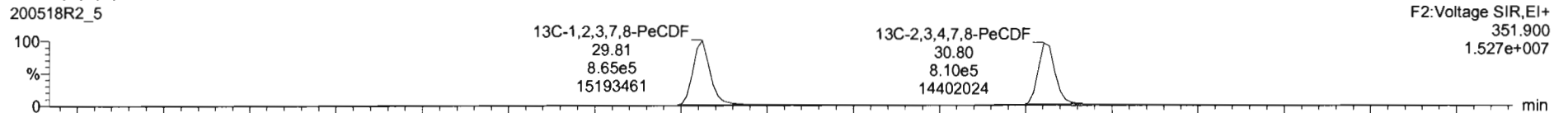
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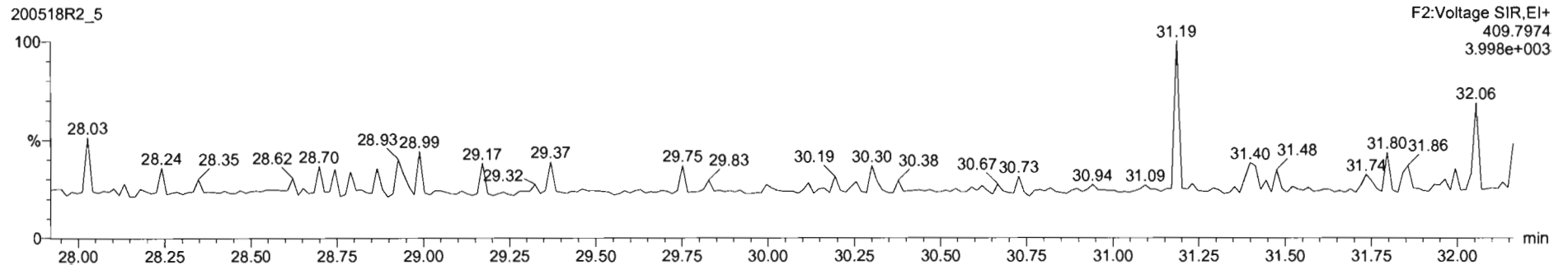
1,2,3,7,8-PeCDF



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



DPE2



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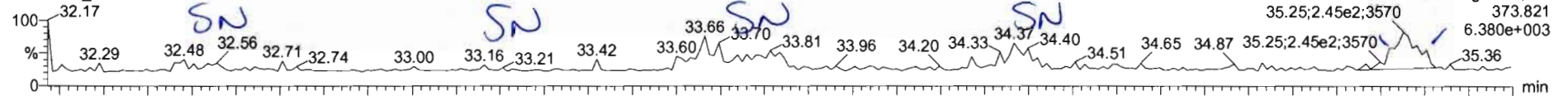
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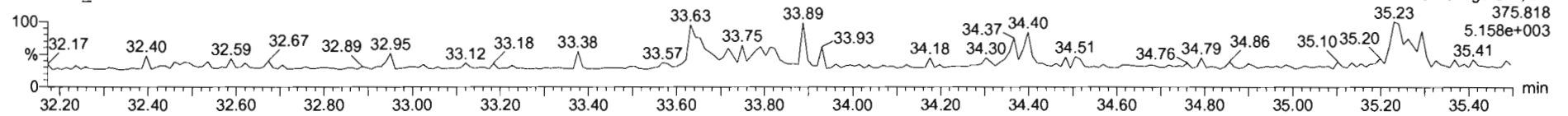
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1,2,3,4,7,8-HxCDF

200518R2_5

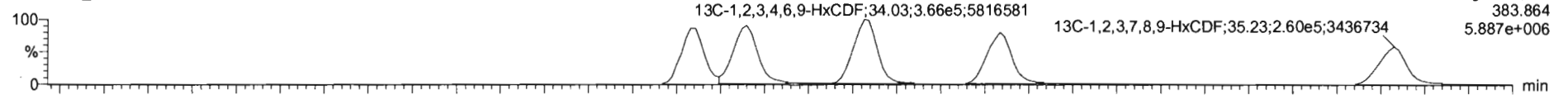


200518R2_5

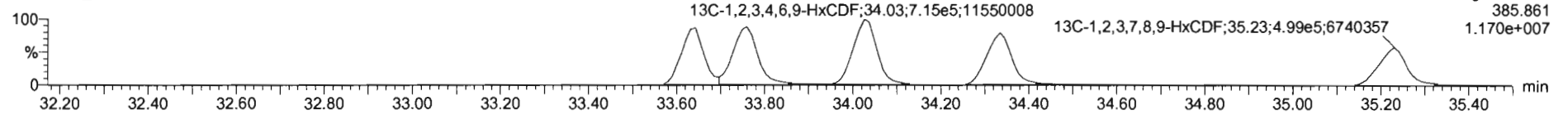


13C-1,2,3,4,7,8-HxCDF

200518R2_5

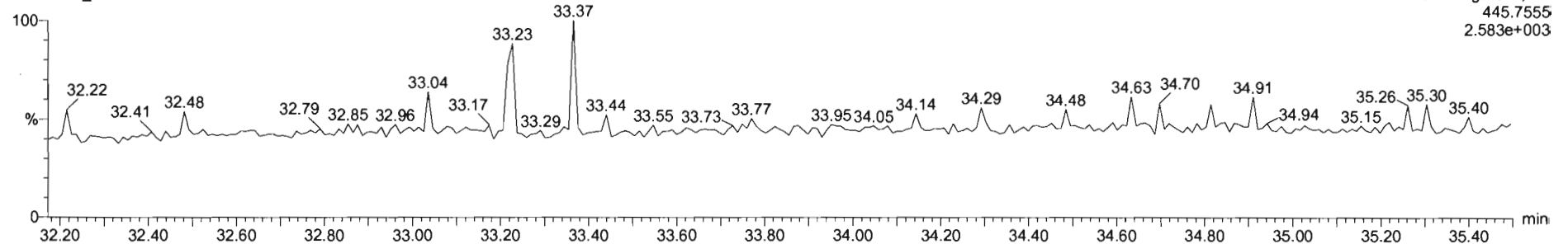


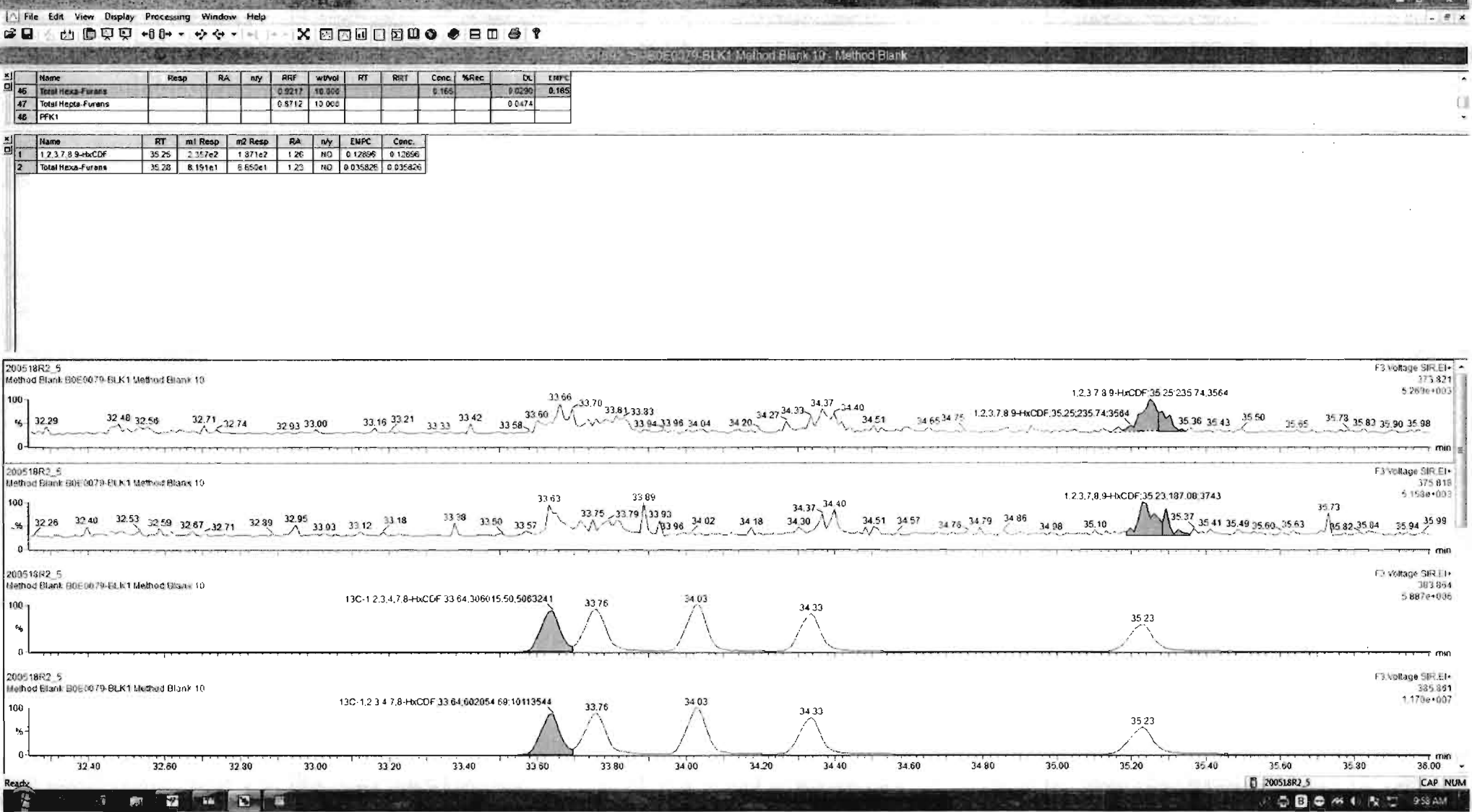
200518R2_5



DPE3

200518R2_5



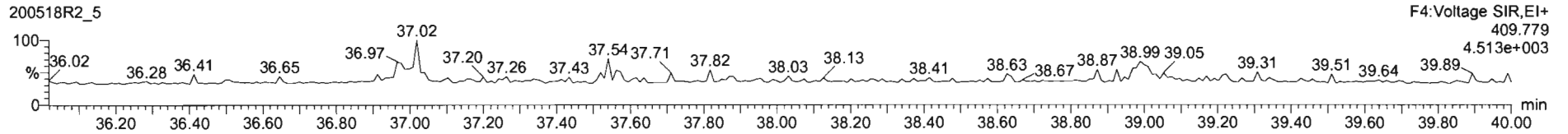
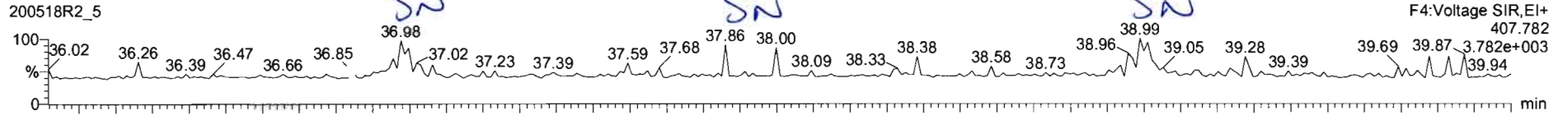


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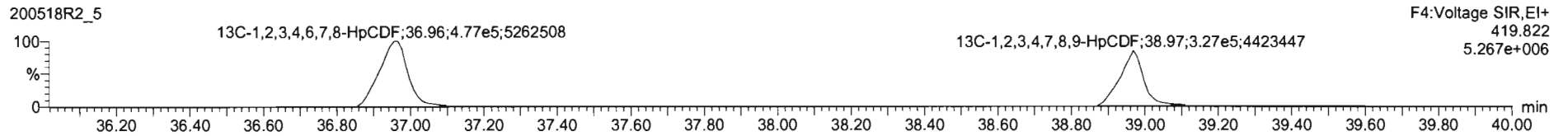
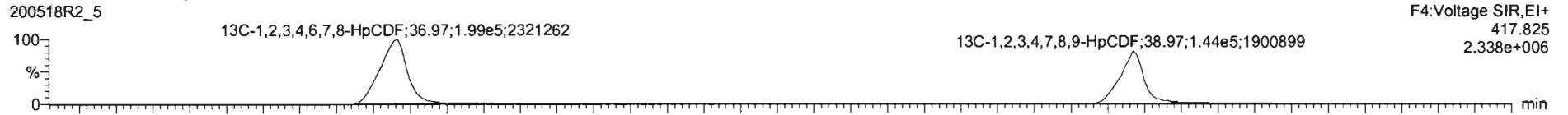
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Printed: Tuesday, May 19, 2020 07:47:40 Pacific Daylight Time

Name: 200518R2_5, Date: 18-May-2020, Time: 17:07:38, ID: B0E0079-BLK1 Method Blank 10, Description: Method Blank

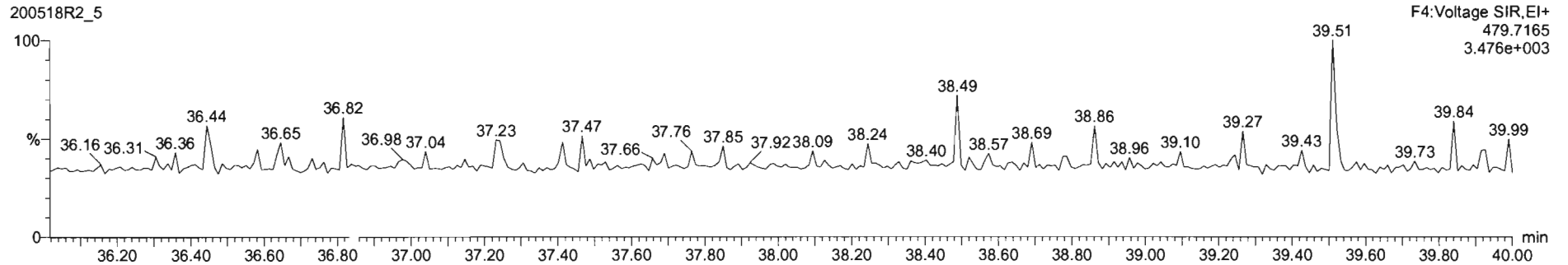
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13C-1,2,3,4,6,7,8-HpCDF



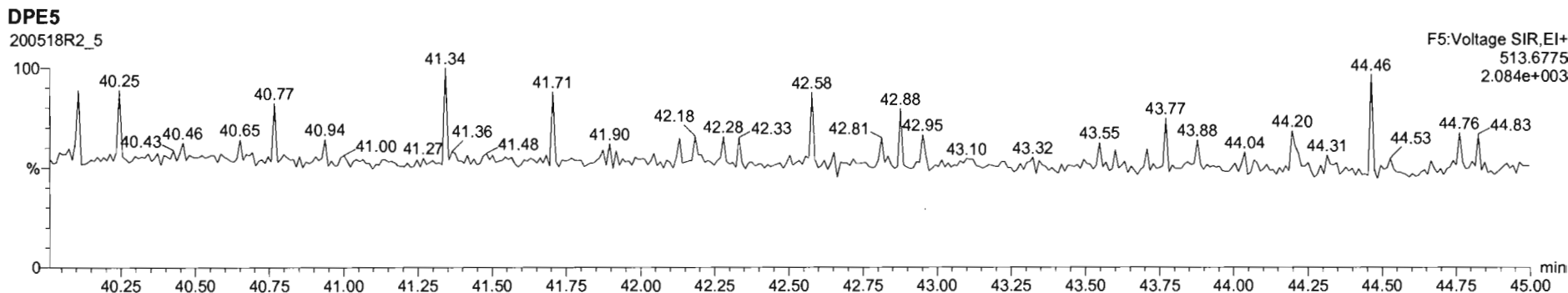
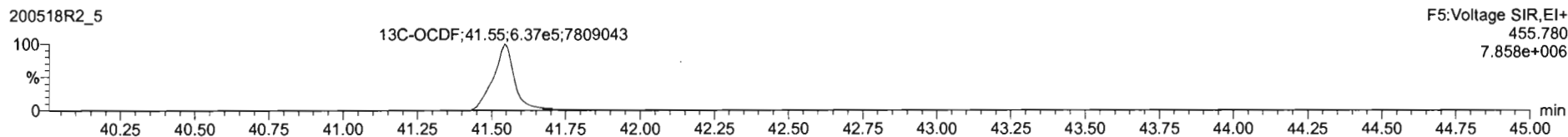
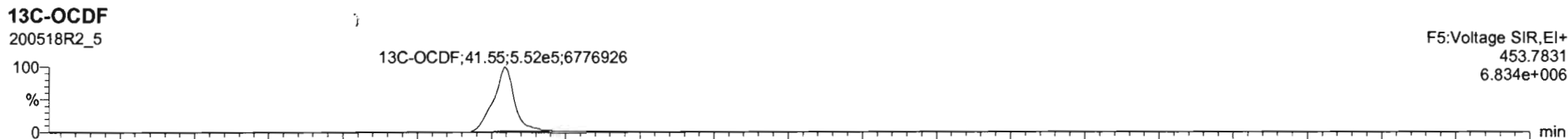
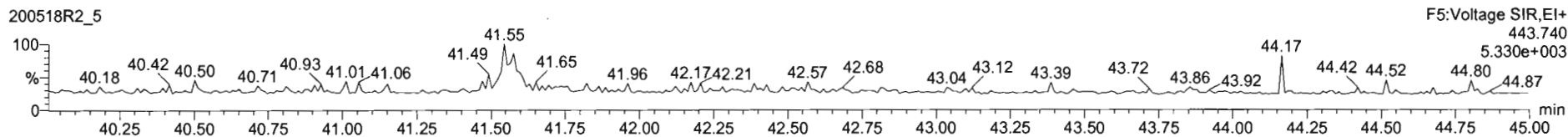
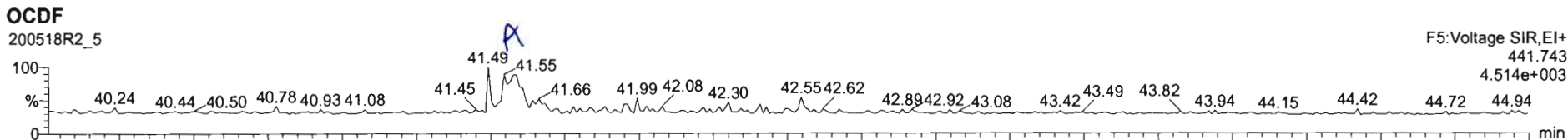
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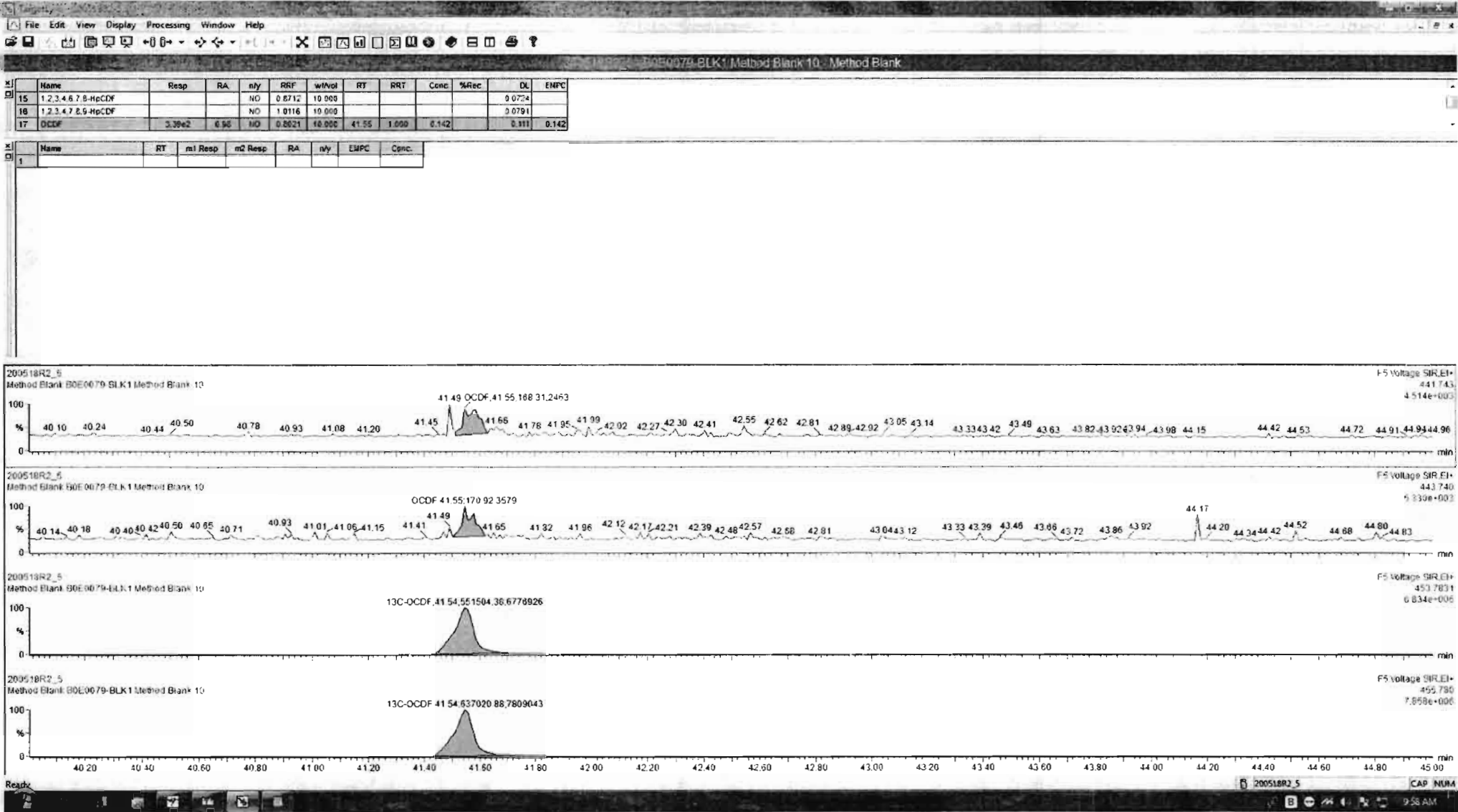


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Printed: Tuesday, May 19, 2020 07:47:40 Pacific Daylight Time

Name: 200518R2_5, Date: 18-May-2020, Time: 17:07:38, ID: B0E0079-BLK1 Method Blank 10, Description: Method Blank

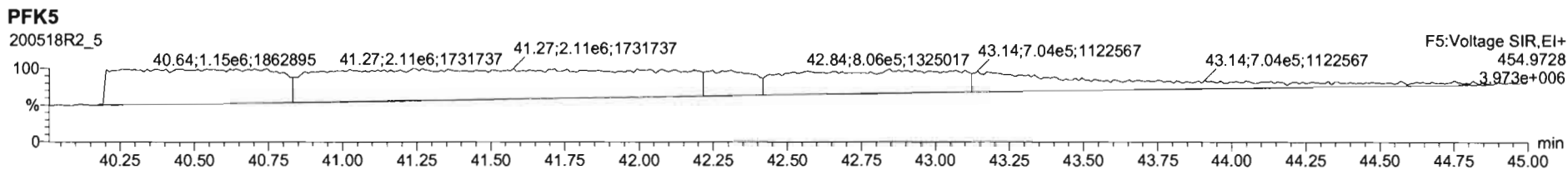
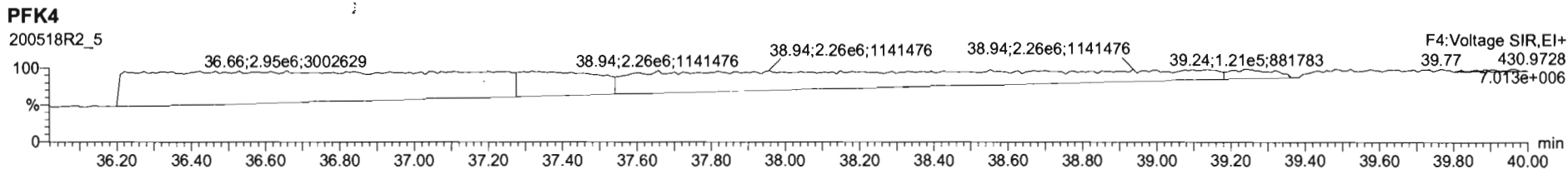
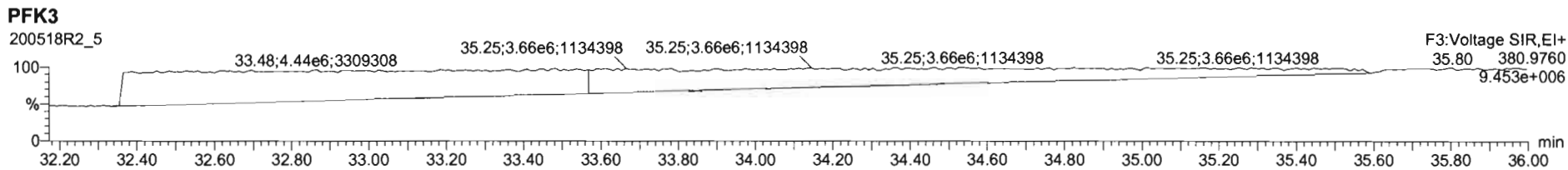
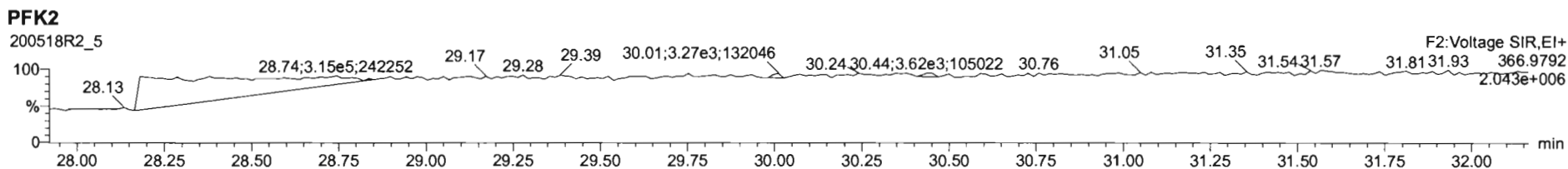
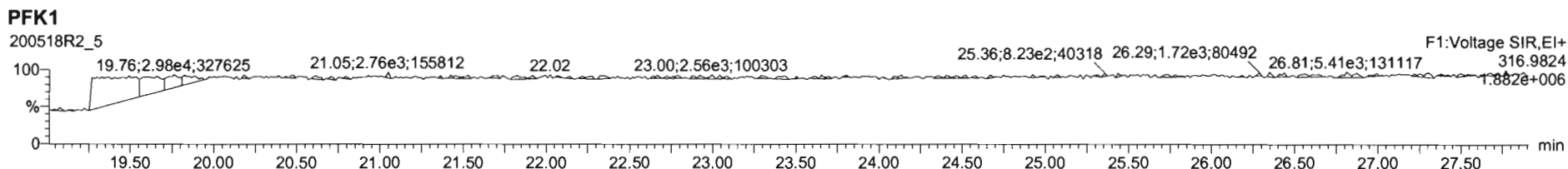




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Last Altered: Tuesday, May 19, 2020 07:25:38 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 07:47:40 Pacific Daylight Time

Name: 200518R2_5, Date: 18-May-2020, Time: 17:07:38, ID: B0E0079-BLK1 Method Blank 10, Description: Method Blank



Dataset: U:\VG12.PRO\Results\200518R2\200518R2-3.qld

Last Altered: Tuesday, May 19, 2020 09:52:59 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 09:53:12 Pacific Daylight Time

GRB 05/19/2020

CT 05/22/2020

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: 200518R2_3, Date: 18-May-2020, Time: 15:35:11, ID: B0E0079-BS1 OPR 10, Description: OPR

	# 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	1.32e5	0.77	NO	0.947	10.000	26.066	26.07	1.001	1.001	17.654		0.0579	17.7
2	2 1,2,3,7,8-PeCDD	5.28e5	0.61	NO	0.942	10.000	31.147	31.14	1.001	1.000	90.092		0.116	90.1
3	3 1,2,3,4,7,8-HxCDD	4.94e5	1.24	NO	1.06	10.000	34.515	34.53	1.000	1.001	97.092		0.198	97.1
4	4 1,2,3,6,7,8-HxCDD	5.27e5	1.25	NO	0.915	10.000	34.612	34.62	1.000	1.000	98.347		0.201	98.3
5	5 1,2,3,7,8,9-HxCDD	4.21e5	1.26	NO	0.915	10.000	34.888	34.90	1.000	1.001	96.279		0.249	96.3
6	6 1,2,3,4,6,7,8-HpCDD	3.00e5	1.05	NO	0.898	10.000	38.394	38.40	1.000	1.001	99.432		0.262	99.4
7	7 OCDD	5.01e5	0.89	NO	0.933	10.000	41.364	41.38	1.000	1.000	195.23		0.311	195
8	8 2,3,7,8-TCDF	1.56e5	0.75	NO	0.787	10.000	25.132	25.14	1.001	1.001	19.556		0.0417	19.6
9	9 1,2,3,7,8-PeCDF	7.70e5	1.56	NO	0.910	10.000	29.834	29.83	1.001	1.001	95.274		0.166	95.3
10	10 2,3,4,7,8-PeCDF	7.96e5	1.55	NO	0.966	10.000	30.851	30.83	1.001	1.000	94.232		0.142	94.2
11	11 1,2,3,4,7,8-HxCDF	5.25e5	1.20	NO	0.878	10.000	33.643	33.65	1.000	1.000	105.27		0.208	105
12	12 1,2,3,6,7,8-HxCDF	6.03e5	1.21	NO	0.874	10.000	33.770	33.78	1.000	1.001	106.52		0.203	107
13	13 2,3,4,6,7,8-HxCDF	5.59e5	1.21	NO	0.922	10.000	34.369	34.36	1.001	1.001	105.93		0.224	106
14	14 1,2,3,7,8,9-HxCDF	4.24e5	1.22	NO	0.864	10.000	35.229	35.25	1.000	1.001	104.51		0.328	105
15	15 1,2,3,4,6,7,8-HpCDF	3.77e5	1.01	NO	0.871	10.000	37.003	36.98	1.001	1.000	106.88		0.274	107
16	16 1,2,3,4,7,8,9-HpCDF	3.01e5	1.00	NO	1.01	10.000	38.968	38.98	1.000	1.000	108.83		0.313	109
17	17 OCDF	5.69e5	0.89	NO	0.802	10.000	41.545	41.56	1.000	1.000	210.06		0.309	210
18	18 13C-2,3,7,8-TCDD	1.57e6	0.77	NO	1.16	10.000	26.031	26.03	1.026	1.027	177.92	89.0	0.161	
19	19 13C-1,2,3,7,8-PeCDD	1.24e6	0.63	NO	0.847	10.000	31.123	31.13	1.227	1.227	192.49	96.2	0.243	
20	20 13C-1,2,3,4,7,8-HxCDD	9.56e5	1.29	NO	0.750	10.000	34.517	34.51	1.014	1.014	189.24	94.6	0.265	
21	21 13C-1,2,3,6,7,8-HxCDD	1.17e6	1.26	NO	0.963	10.000	34.629	34.61	1.017	1.017	180.71	90.4	0.206	
22	22 13C-1,2,3,7,8,9-HxCDD	9.57e5	1.24	NO	0.838	10.000	34.898	34.88	1.025	1.025	169.64	84.8	0.237	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.73e5	1.05	NO	0.641	10.000	38.390	38.38	1.128	1.128	155.81	77.9	0.404	
24	24 13C-OCDD	1.10e6	0.90	NO	0.586	10.000	41.386	41.36	1.216	1.215	278.42	69.6	0.307	
25	25 13C-2,3,7,8-TCDF	2.03e6	0.77	NO	1.03	10.000	25.090	25.11	0.989	0.990	180.14	90.1	0.250	
26	26 13C-1,2,3,7,8-PeCDF	1.78e6	1.60	NO	0.845	10.000	29.812	29.81	1.176	1.176	192.95	96.5	0.363	
27	27 13C-2,3,4,7,8-PeCDF	1.75e6	1.61	NO	0.814	10.000	30.803	30.82	1.215	1.215	197.21	98.6	0.377	
28	28 13C-1,2,3,4,7,8-HxCDF	1.14e6	0.51	NO	1.00	10.000	33.656	33.64	0.989	0.988	167.83	83.9	0.421	
29	29 13C-1,2,3,6,7,8-HxCDF	1.30e6	0.51	NO	1.14	10.000	33.778	33.76	0.992	0.992	169.33	84.7	0.372	
30	30 13C-2,3,4,6,7,8-HxCDF	1.14e6	0.51	NO	1.02	10.000	34.347	34.33	1.009	1.009	166.30	83.2	0.414	
31	31 13C-1,2,3,7,8,9-HxCDF	9.38e5	0.50	NO	0.845	10.000	35.239	35.23	1.035	1.035	164.96	82.5	0.501	

Dataset: U:\VG12.PRO\Results\200518R2\200518R2-3.qld

Last Altered: Tuesday, May 19, 2020 09:52:59 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 09:53:12 Pacific Daylight Time

Name: 200518R2_3, Date: 18-May-2020, Time: 15:35:11, ID: B0E0079-BS1 OPR 10, Description: OPR

	# 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	8.10e5	0.43	NO	0.771	10.000	36.971	36.97	1.086	1.086	156.04	78.0	0.374	
33	33 13C-1,2,3,4,7,8,9-HpCDF	5.48e5	0.42	NO	0.482	10.000	38.983	38.97	1.145	1.145	168.68	84.3	0.598	
34	34 13C-OCDF	1.35e6	0.88	NO	0.669	10.000	41.556	41.54	1.221	1.221	299.85	75.0	0.266	
35	35 37Cl-2,3,7,8-TCDD	6.01e5			1.10	10.000	26.061	26.07	1.028	1.028	71.678	89.6	0.0406	
36	36 13C-1,2,3,4-TCDD	1.53e6	0.79	NO	1.00	10.000	25.350	25.36	1.000	1.000	200.00	100	0.186	
37	37 13C-1,2,3,4-TCDF	2.18e6	0.79	NO	1.00	10.000	23.560	23.59	1.000	1.000	200.00	100	0.258	
38	38 13C-1,2,3,4,6,9-HxCDF	1.35e6	0.51	NO	1.00	10.000	34.000	34.04	1.000	1.000	200.00	100	0.423	
39	39 Total Tetra-Dioxins				0.947	10.000	24.620		0.000		17.654		0.0579	18.0
40	40 Total Penta-Dioxins				0.942	10.000	29.960		0.000		90.231		0.116	90.3
41	41 Total Hexa-Dioxins				0.915	10.000	33.635		0.000		291.83		0.225	292
42	42 Total Hepta-Dioxins				0.898	10.000	37.640		0.000		100.38		0.262	100
43	43 Total Tetra-Furans				0.787	10.000	23.610		0.000		19.649		0.0417	19.6
44	44 1st Func. Penta-Furans				0.910	10.000	27.090		0.000				0.00865	
45	45 Total Penta-Furans				0.910	10.000	29.275		0.000		191.03		0.158	191
46	46 Total Hexa-Furans				0.922	10.000	33.555		0.000		422.47		0.226	422
47	47 Total Hepta-Furans				0.871	10.000	37.835		0.000		215.71		0.310	216

Dataset: U:\VG12.PRO\Results\200518R2\200518R2-3.qld

Last Altered: Tuesday, May 19, 2020 09:52:59 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 09:53:12 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

Name: 200518R2_3, Date: 18-May-2020, Time: 15:35:11, ID: B0E0079-BS1 OPR 10, Description: OPR

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	25.76	1.274e4	1.561e4	1.385e3	1.551e3	0.89	YES	0.000e0	0.00000	0.36809	0.0579
2	2,3,7,8-TCDD	26.07	8.187e5	1.064e6	5.715e4	7.453e4	0.77	NO	1.317e5	17.654	17.654	0.0579

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	30.70	7.162e3	8.074e3	3.244e2	4.945e2	0.66	NO	8.189e2	0.13962	0.13962	0.116
2	1,2,3,7,8-PeCDD	31.14	3.552e6	5.770e6	2.010e5	3.274e5	0.61	NO	5.284e5	90.092	90.092	0.116
3	Total Penta-Dioxins	31.54	6.160e3	1.201e4	2.104e2	8.507e2	0.25	YES	0.000e0	0.00000	0.092813	0.116

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.83	3.602e3	3.971e3	2.177e2	2.433e2	0.89	YES	0.000e0	0.00000	0.083656	0.225
2	1,2,3,4,7,8-HxCDD	34.53	4.452e6	3.561e6	2.732e5	2.204e5	1.24	NO	4.936e5	97.092	97.092	0.198
3	1,2,3,6,7,8-HxCDD	34.62	4.391e6	3.520e6	2.927e5	2.342e5	1.25	NO	5.269e5	98.347	98.347	0.201
4	1,2,3,7,8,9-HxCDD	34.90	3.548e6	2.868e6	2.346e5	1.867e5	1.26	NO	4.213e5	96.279	96.279	0.249
5	Total Hexa-Dioxins	35.22	7.894e3	5.238e3	2.776e2	2.508e2	1.11	NO	5.284e2	0.11242	0.11242	0.225

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.37	1.806e4	1.953e4	1.413e3	1.438e3	0.98	NO	2.851e3	0.94367	0.94367	0.262
2	1,2,3,4,6,7,8-HpCDD	38.40	1.892e6	1.799e6	1.540e5	1.464e5	1.05	NO	3.004e5	99.432	99.432	0.262

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	24.12	4.533e3	5.123e3	3.251e2	4.186e2	0.78	NO	7.437e2	0.093113	0.093113	0.0417
2	2,3,7,8-TCDF	25.14	8.907e5	1.149e6	6.669e4	8.951e4	0.75	NO	1.562e5	19.556	19.556	0.0417

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200518R2\200518R2-3.qld

Last Altered: Tuesday, May 19, 2020 09:52:59 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 09:53:12 Pacific Daylight Time

Name: 200518R2_3, Date: 18-May-2020, Time: 15:35:11, ID: B0E0079-BS1 OPR 10, Description: OPR

Penta-Furans function 1

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

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.84	1.884e4	1.251e4	1.451e3	8.865e2	1.64	NO	2.337e3	0.29143	0.29143	0.158
2	Total Penta-Furans	29.49	6.118e3	5.316e3	3.105e2	6.338e2	0.49	YES	0.000e0	0.00000	0.063694	0.158
3	Total Penta-Furans	29.63	1.303e4	1.367e4	7.242e2	6.622e2	1.09	YES	0.000e0	0.00000	0.14857	0.158
4	1,2,3,7,8-PeCDF	29.83	8.104e6	5.300e6	4.689e5	3.011e5	1.56	NO	7.700e5	95.274	95.274	0.166
5	Total Penta-Furans	30.10	5.659e4	3.629e4	3.740e3	2.529e3	1.48	NO	6.268e3	0.78165	0.78165	0.158
6	2,3,4,7,8-PeCDF	30.83	8.808e6	5.706e6	4.833e5	3.128e5	1.55	NO	7.961e5	94.232	94.232	0.142
7	Total Penta-Furans	31.78	2.773e4	2.124e4	2.167e3	1.464e3	1.48	NO	3.631e3	0.45275	0.45275	0.158

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.65	1.291e4	1.074e4	7.169e2	5.061e2	1.42	NO	1.223e3	0.23514	0.23514	0.226
2	1,2,3,4,7,8-HxCDF	33.65	5.332e6	4.506e6	2.868e5	2.381e5	1.20	NO	5.249e5	105.27	105.27	0.208
3	1,2,3,6,7,8-HxCDF	33.78	5.600e6	4.582e6	3.299e5	2.734e5	1.21	NO	6.033e5	106.52	106.52	0.203
4	2,3,4,6,7,8-HxCDF	34.36	5.057e6	4.158e6	3.063e5	2.525e5	1.21	NO	5.588e5	105.93	105.93	0.224
5	1,2,3,7,8,9-HxCDF	35.25	3.272e6	2.743e6	2.332e5	1.905e5	1.22	NO	4.237e5	104.51	104.51	0.328

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	36.98	2.407e6	2.404e6	1.897e5	1.875e5	1.01	NO	3.772e5	106.88	106.88	0.274
2	Total Hepta-Furans	37.38	6.830e3	9.051e3	4.817e2	3.203e2	1.50	YES	0.000e0	0.00000	0.22089	0.310
3	Total Hepta-Furans	37.59	8.817e3	1.002e4	3.573e2	6.177e2	0.58	YES	0.000e0	0.00000	0.23694	0.310
4	1,2,3,4,7,8,9-HpCDF	38.98	2.159e6	2.190e6	1.508e5	1.507e5	1.00	NO	3.015e5	108.83	108.83	0.313

Dataset: Untitled

Last Altered: Tuesday, May 19, 2020 07:25:38 Pacific Daylight Time

Printed: Tuesday, May 19, 2020 07:47:40 Pacific Daylight Time

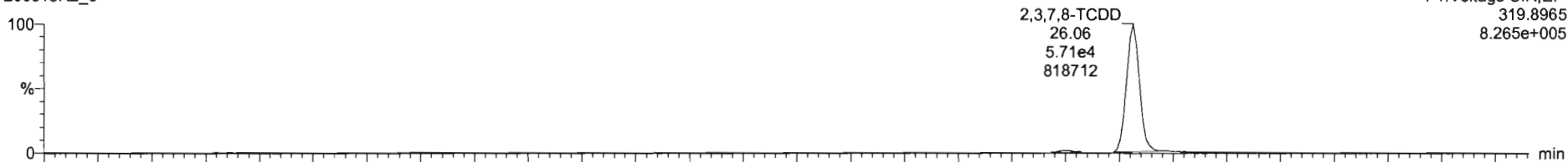
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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

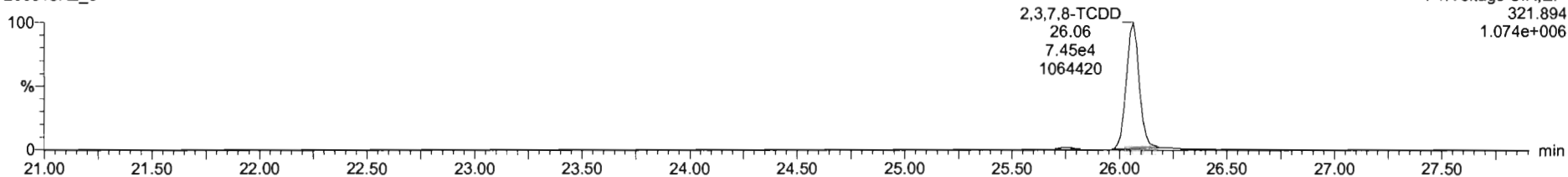
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2,3,7,8-TCDD

200518R2_3

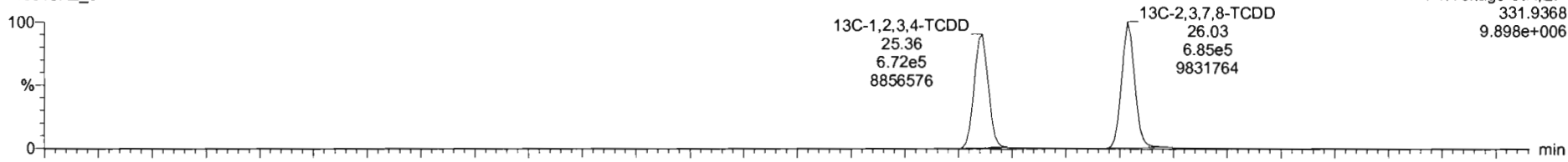


200518R2_3

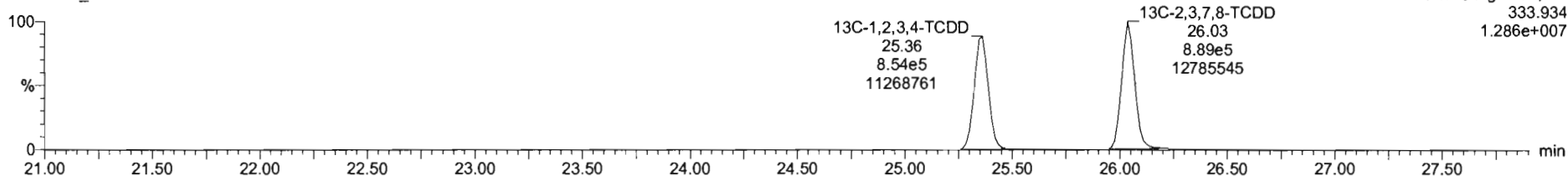


13C-2,3,7,8-TCDD

200518R2_3



200518R2_3



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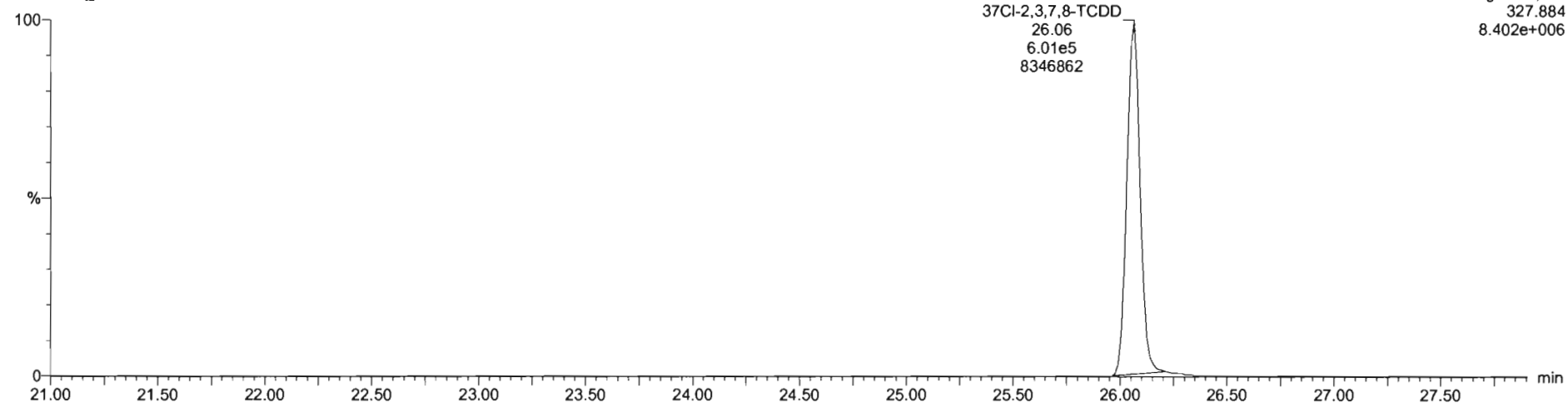
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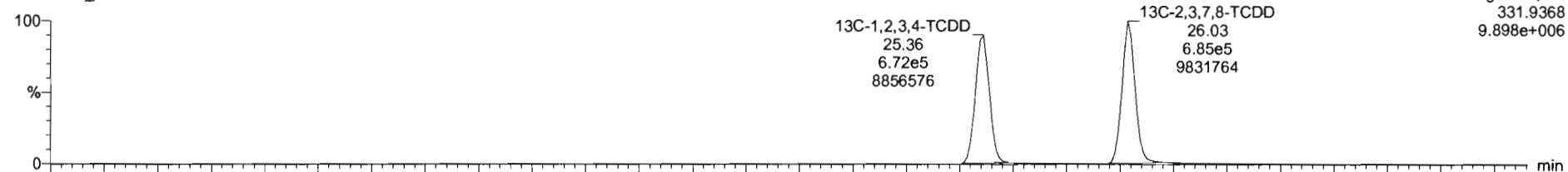
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200518R2_3

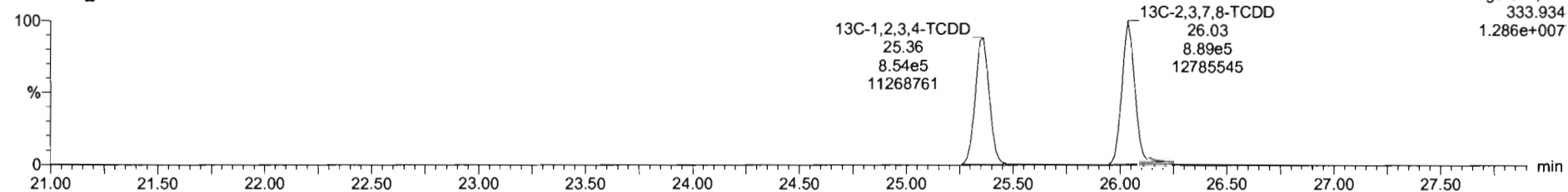


13C-1,2,3,4-TCDD

200518R2_3



200518R2_3



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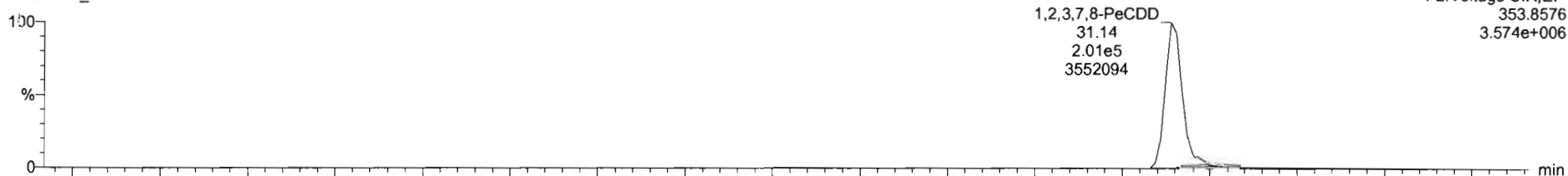
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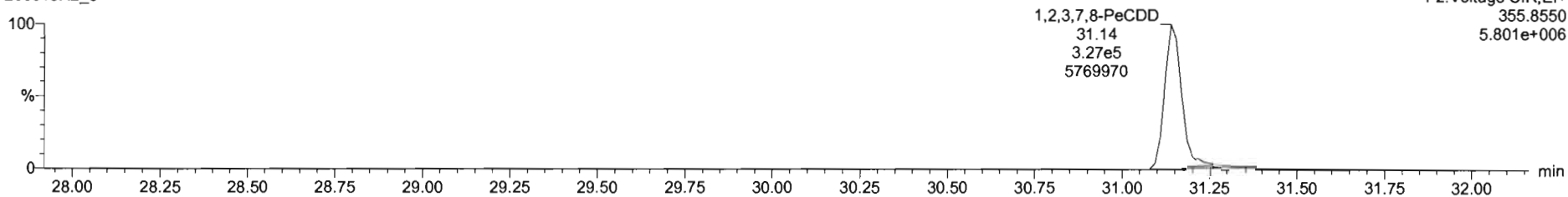
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1,2,3,7,8-PeCDD

200518R2_3

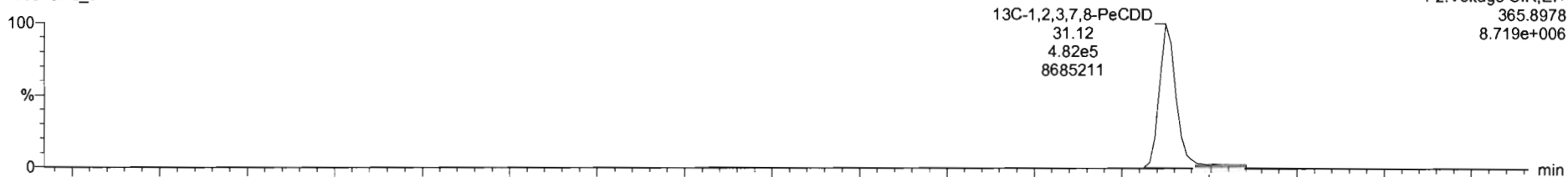


200518R2_3

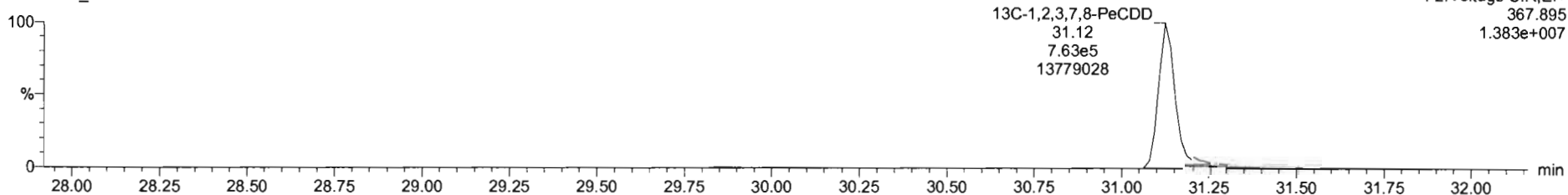


13C-1,2,3,7,8-PeCDD

200518R2_3



200518R2_3



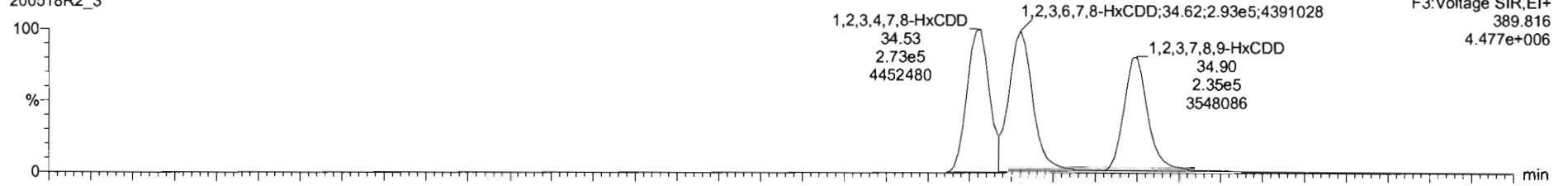
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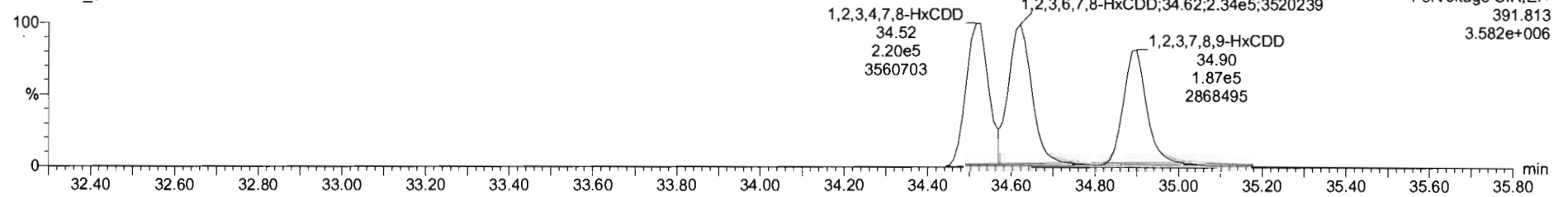
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1,2,3,4,7,8-HxCDD

200518R2_3

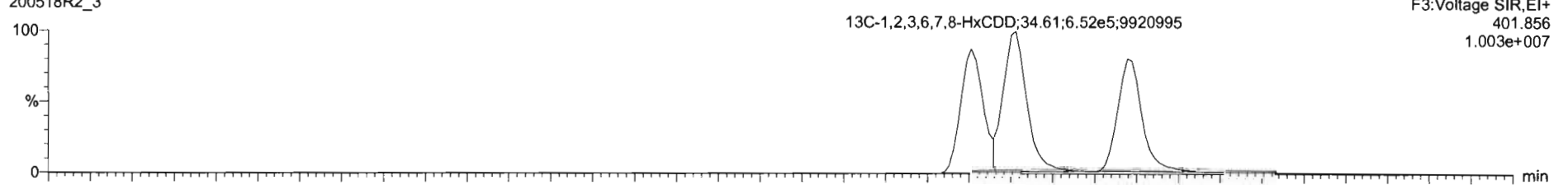


200518R2_3

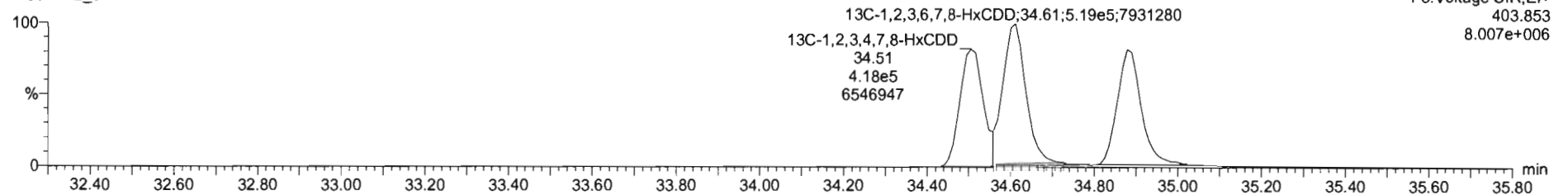


13C-1,2,3,4,7,8-HxCDD

200518R2_3



200518R2_3



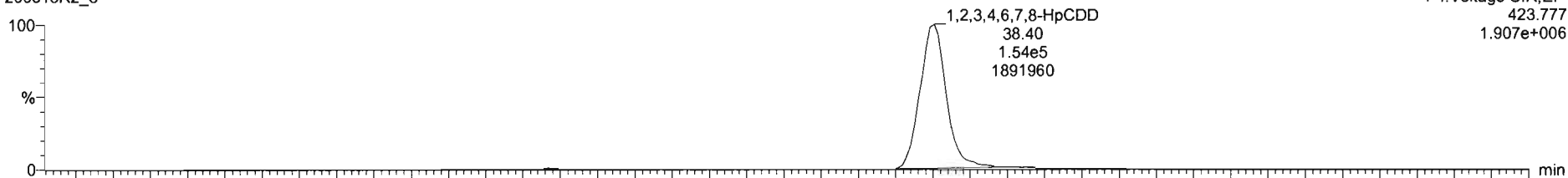
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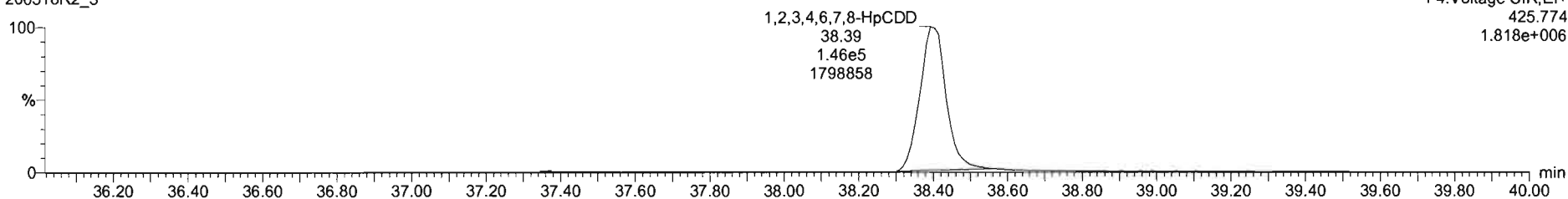
1,2,3,4,6,7,8-HpCDD

200518R2_3



F4:Voltage SIR,EI+
423.777
1.907e+006

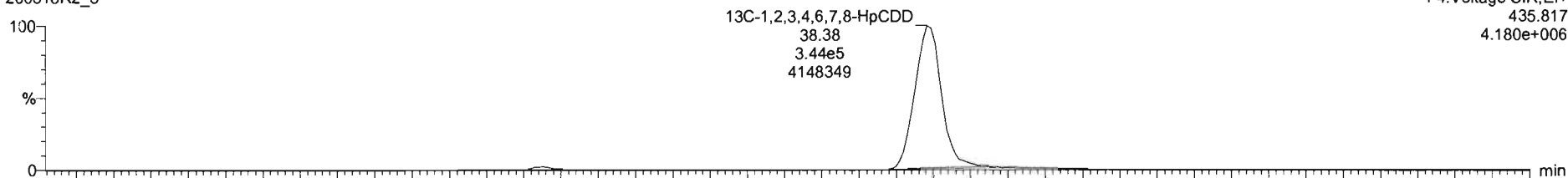
200518R2_3



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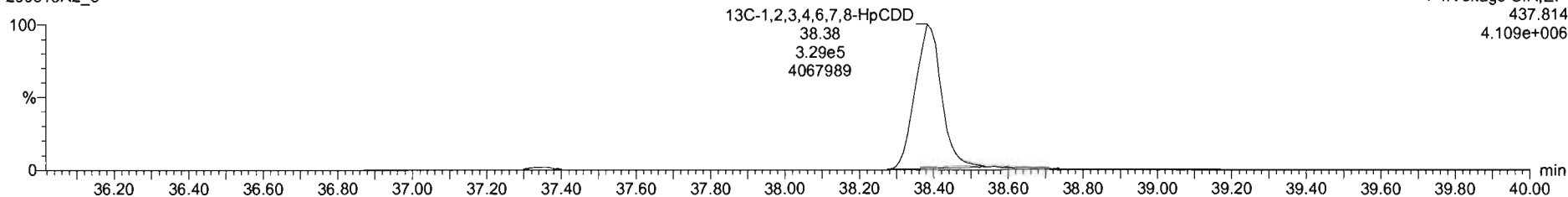
13C-1,2,3,4,6,7,8-HpCDD

200518R2_3



F4:Voltage SIR,EI+
435.817
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200518R2_3



F4:Voltage SIR,EI+
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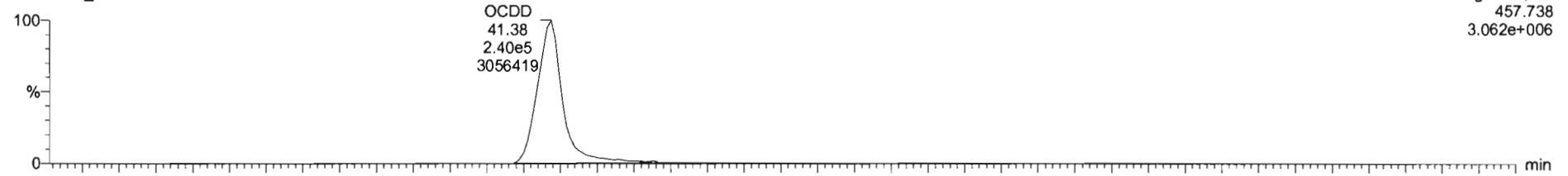
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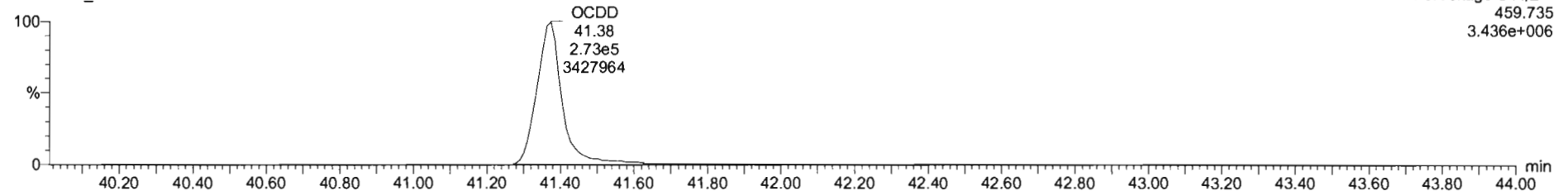
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OCDD

200518R2_3

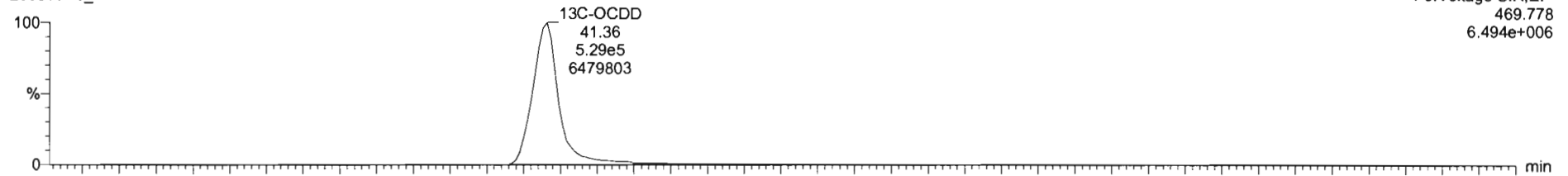


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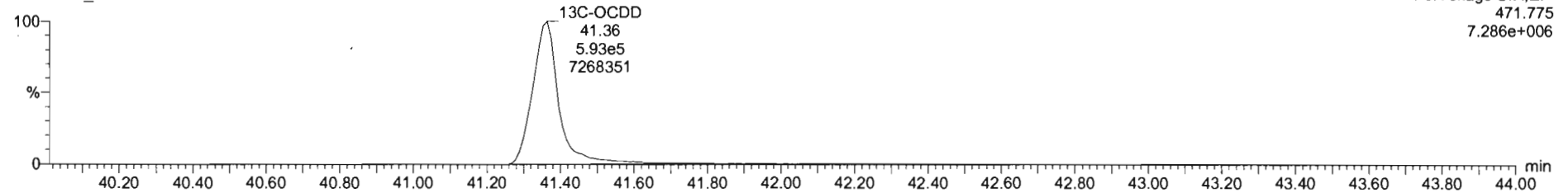


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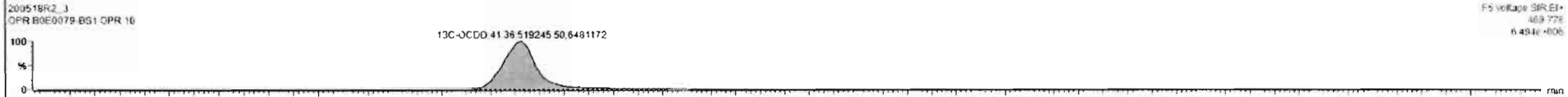
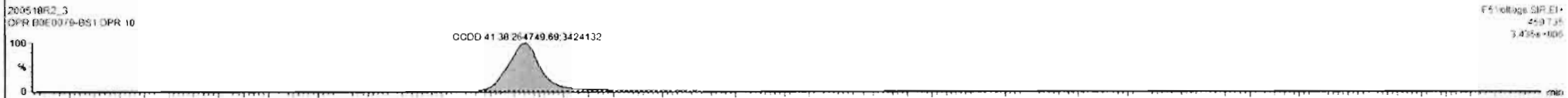
200518R2_3



200518R2_3



Name	Resp	RA	n/y	RRF	wVVol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.32e5	0.77	NO	0.9475	10.000	26.07	1.001	17.7		0.0579	17.7
2 1,2,3,7,8-PeCDD	5.28e5	0.61	NO	0.9425	10.000	31.14	1.000	90.1		0.116	90.1
3 1,2,3,4,7,8-HxCDD	4.94e5	1.24	NO	1.0641	10.000	34.53	1.001	97.1		0.190	97.1
4 1,2,3,6,7,8-HxCDD	5.27e5	1.25	NO	0.9145	10.000	34.62	1.000	98.3		0.201	98.3
5 1,2,3,7,8,9-HxCDD	4.21e5	1.26	NO	0.9145	10.000	34.90	1.001	96.3		0.249	96.3
6 1,2,3,4,6,7,8-HpCDD	3.08e5	1.05	NO	0.8979	10.000	36.40	1.001	99.4		0.262	99.4
7 OCDD	5.01e5	0.89	NO	0.9335	10.000	41.38	1.000	195		0.311	195
8 2,3,7,8-TCDF	1.56e5	0.75	NO	0.7871	10.000	25.14	1.001	19.6		0.0417	19.6
9 1,2,3,7,8-PeCDF	7.70e5	1.58	NO	0.9102	10.000	29.83	1.001	95.3		0.166	95.3
10 2,3,4,7,8-HxCDF	7.95e5	1.55	NO	0.9654	10.000	30.83	1.000	94.2		0.142	94.2
11 1,2,3,4,7,8,9-HxCDF	5.25e5	1.20	NO	0.8782	10.000	33.65	1.000	105		0.206	105
12 1,2,3,6,7,8-HxCDF	6.03e5	1.21	NO	0.8740	10.000	33.78	1.001	107		0.203	107
13 2,3,4,6,7,8-HxCDF	5.73e5	1.27	NO	0.9217	10.000	34.36	1.001	109		0.224	109
14 1,2,3,7,8,9-HxCDF	4.24e5	1.22	NO	0.8642	10.000	35.25	1.001	105		0.326	105
15 1,2,3,4,6,7,8-HpCDF	3.77e5	1.01	NO	0.8712	10.000	36.98	1.000	107		0.274	107
16 1,2,3,4,7,8,9-HpCDF	3.01e5	1.00	NO	1.0116	10.000	38.98	1.000	107		0.322	107
17 OCDF	5.69e5	0.89	NO	0.8021	10.000	41.56	1.000	205		0.302	205
18 13C-2,3,7,8-TCDD	1.57e6	0.77	NO	1.1595	10.000	26.03	1.027	178	89.0	0.161	
19 13C-1,2,3,7,8-PeCDD	1.24e6	0.63	NO	0.8472	10.000	31.13	1.227	192	96.2	0.243	
20 13C-1,2,3,4,7,8-HxCDD	9.58e5	1.29	NO	0.7499	10.000	34.51	1.014	189	94.6	0.265	
21 13C-1,2,3,6,7,8-HxCDD	1.17e6	1.26	NO	0.9630	10.000	34.61	1.017	181	90.4	0.206	



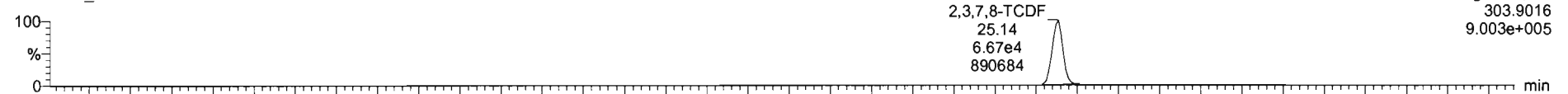
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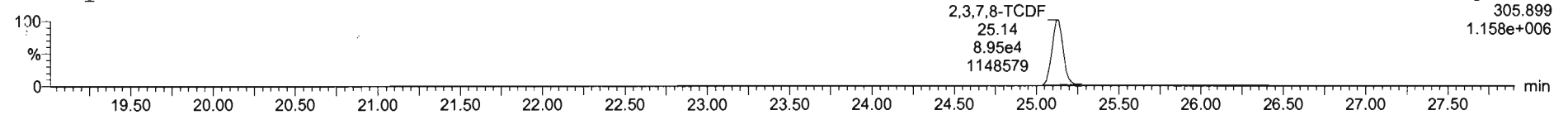
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2,3,7,8-TCDF

200518R2_3

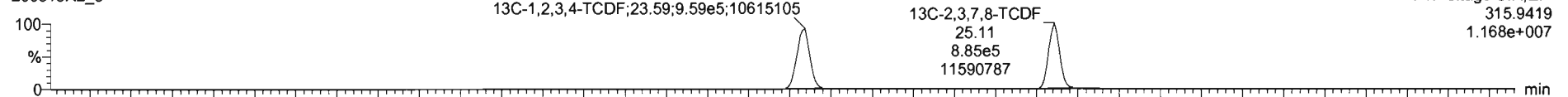


200518R2_3

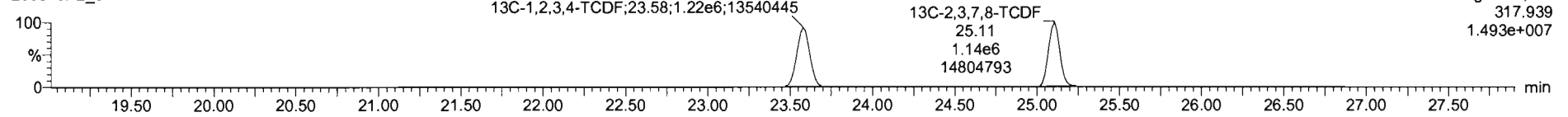


13C-2,3,7,8-TCDF

200518R2_3

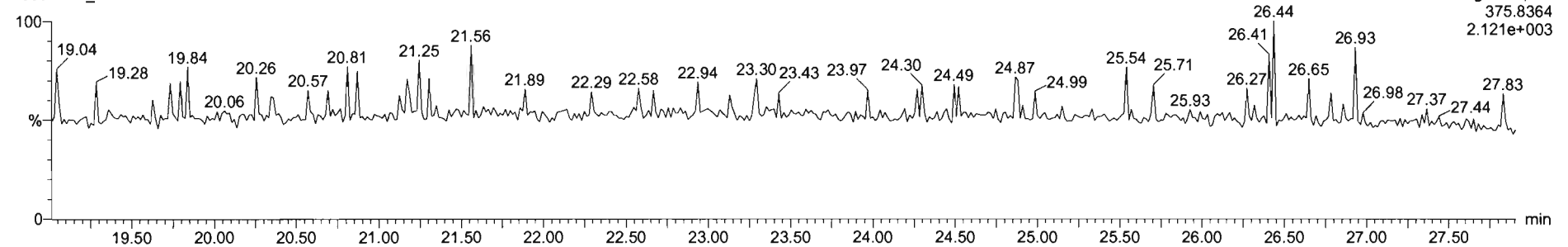


200518R2_3



DPE1

200518R2_3



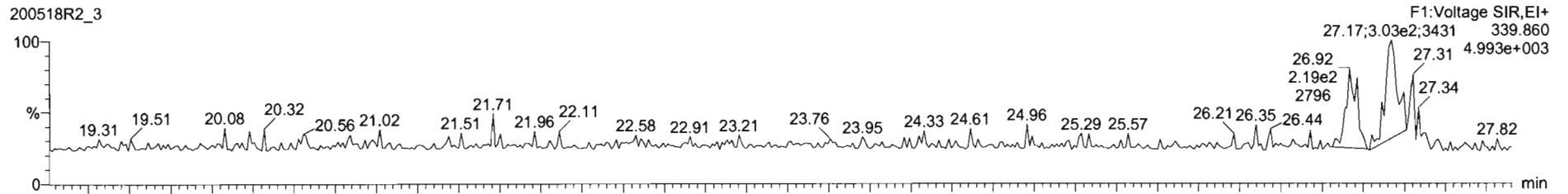
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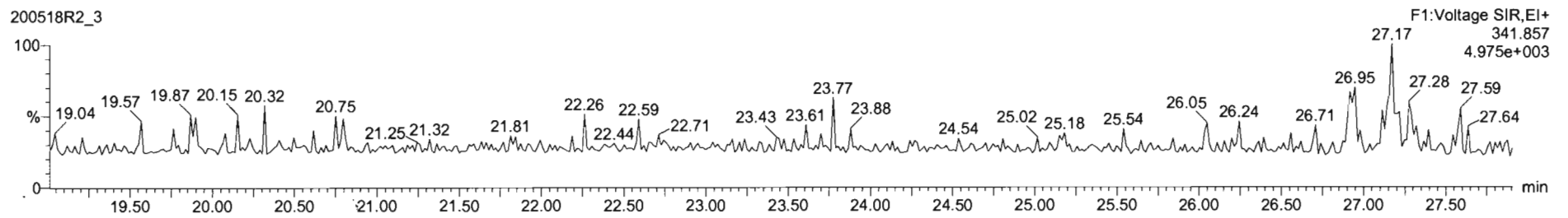
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1st Func. Penta-Furans

200518R2_3

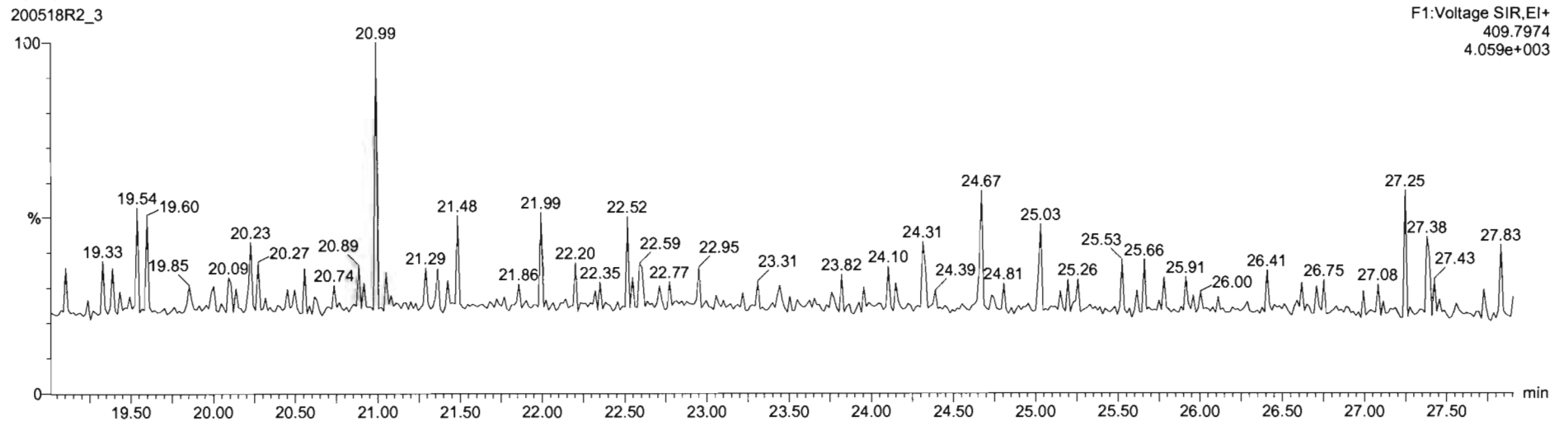


200518R2_3



DPE6

200518R2_3



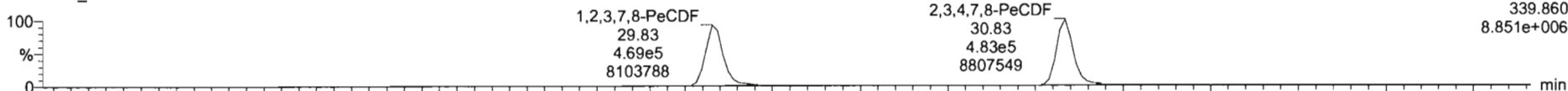
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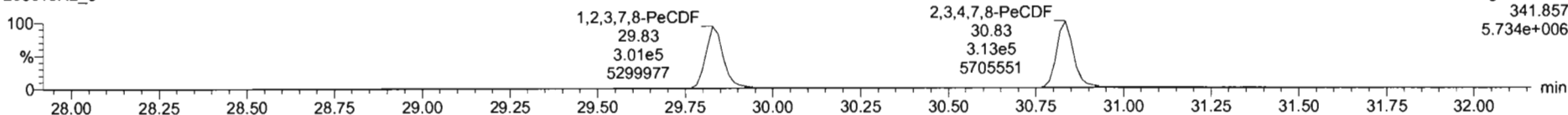
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1,2,3,7,8-PeCDF

200518R2_3

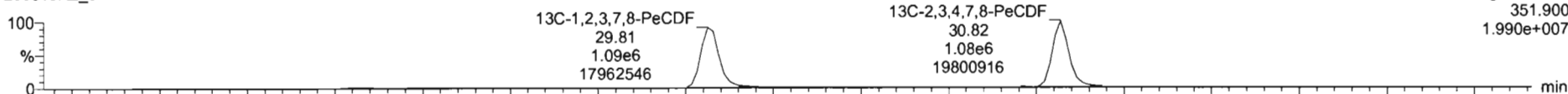


200518R2_3

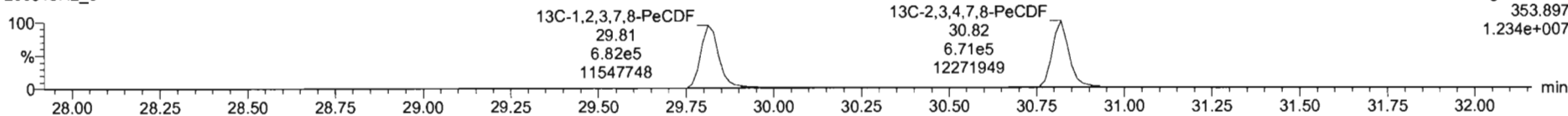


13C-1,2,3,7,8-PeCDF

200518R2_3

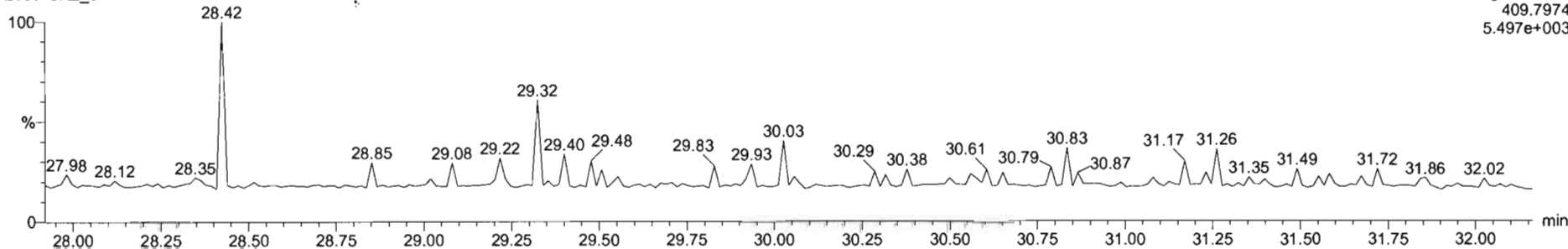


200518R2_3



DPE2

200518R2_3



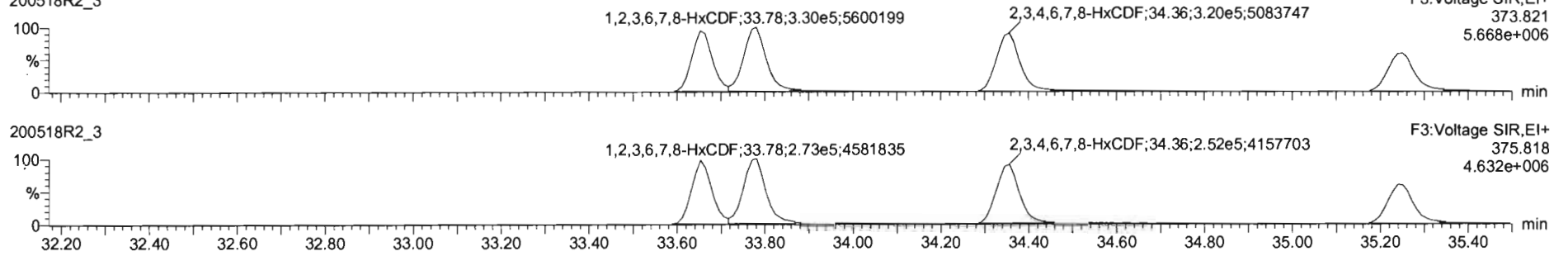
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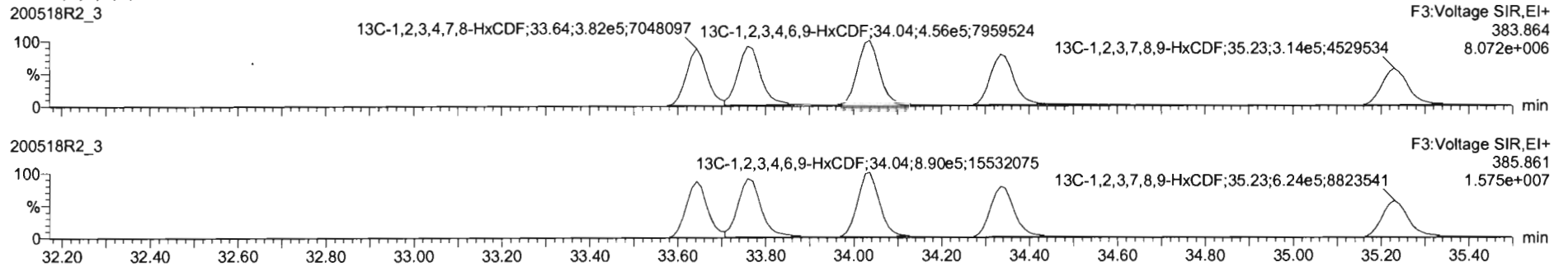
1,2,3,4,7,8-HxCDF

200518R2_3



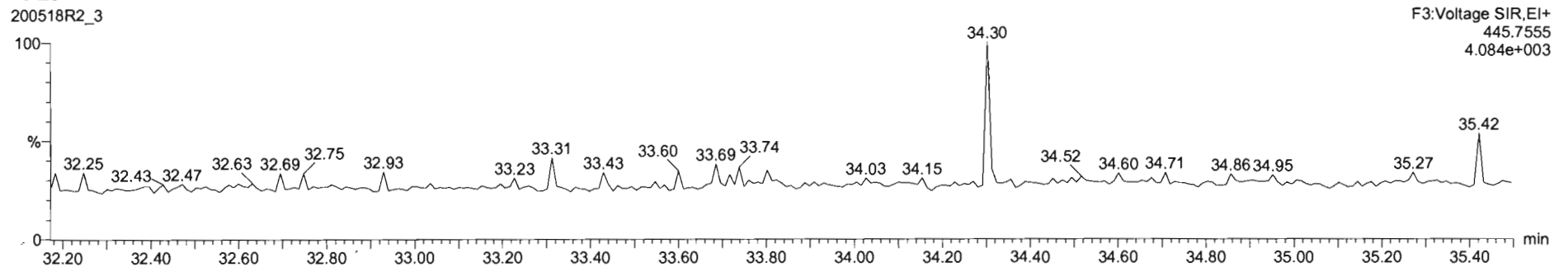
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200518R2_3

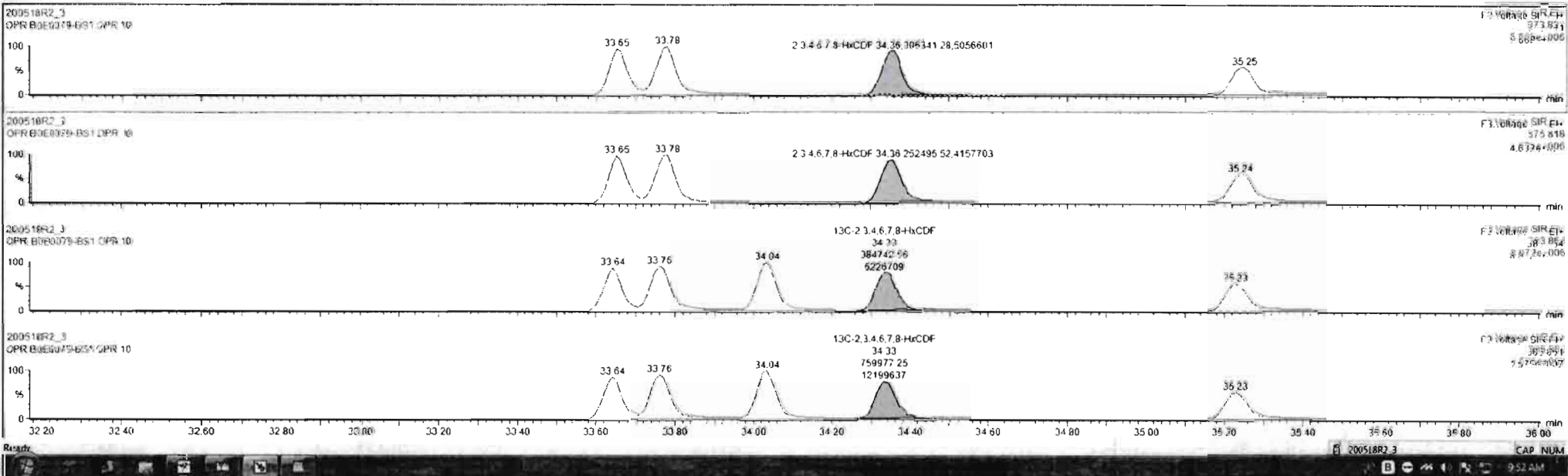


DPE3

200518R2_3



Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec.	DL	EMPC
1 2,3,7,8-TCDD	1.32e5	0.77	NO	0.9475	10.000	25.97	1.001	17.7		0.0579	17.7
2 1,2,3,7,8-PeCDD	5.28e5	0.61	NO	0.9425	10.000	31.14	1.000	90.1		9.116	90.1
3 1,2,3,4,7,8-HxCDD	4.94e5	1.24	NO	1.0641	10.000	34.53	1.001	97.1		0.198	97.1
4 1,2,3,6,7,8-HxCDD	5.27e5	1.25	NO	0.9145	10.000	34.62	1.000	98.3		0.201	98.3
5 1,2,3,7,8,9-HxCDD	4.21e5	1.26	NO	0.9149	10.000	34.90	1.001	95.3		0.249	95.3
6 1,2,3,4,6,7,8-HpCDD	3.00e5	1.05	NO	0.8979	10.000	36.40	1.001	99.4		0.262	99.4
7 OCDD	5.01e5	0.89	NO	0.9335	10.000	41.36	1.000	195		0.311	195
8 2,3,7,8-TCDF	1.56e5	0.75	NO	0.7871	10.000	25.14	1.001	19.6		0.0417	19.6
9 1,2,3,7,8-PeCDF	7.78e5	1.56	NO	0.9102	10.000	29.83	1.001	95.3		0.186	95.3
10 2,3,4,7,8-PeCDF	7.96e5	1.55	NO	0.9664	10.000	30.83	1.000	94.2		9.142	94.2
11 1,2,3,4,7,8-HxCDF	5.25e5	1.20	NO	0.8782	10.000	33.65	1.000	105		0.206	105
12 1,2,3,6,7,8-HxCDF	6.03e5	1.21	NO	0.8740	10.000	33.78	1.001	107		0.203	107
13 2,3,4,6,7,8-HxCDF	5.56e5	1.21	NO	0.9217	10.000	34.36	1.001	106		0.224	106
14 1,2,3,7,8,9-HxCDF	4.24e5	1.22	NO	0.8642	10.000	35.25	1.001	105		0.328	105
15 1,2,3,4,5,7,8-HpCDF	3.77e5	1.01	NO	0.8712	10.000	36.95	1.000	107		0.274	107
16 1,2,3,4,7,8,9-HpCDF	3.01e5	1.00	NO	1.0116	10.000	38.88	1.000	107		0.322	107
17 OCDF	5.69e5	0.89	NO	0.8021	10.000	41.56	1.000	205		0.302	205
18 13C-2,3,7,8-TCDD	1.57e6	0.77	NO	1.1595	10.000	26.03	1.027	178	89.0	0.161	
19 13C-1,2,3,7,8-PeCDD	1.24e6	0.63	NO	0.8472	10.000	31.13	1.227	192	95.2	0.243	
20 13C-1,2,3,4,7,8-HxCDD	9.55e5	1.29	NO	0.7499	10.000	24.51	1.014	189	94.6	0.265	
21 13C-1,2,3,6,7,8-HxCDD	1.17e6	1.26	NO	0.9630	10.000	34.61	1.017	161	90.4	0.206	



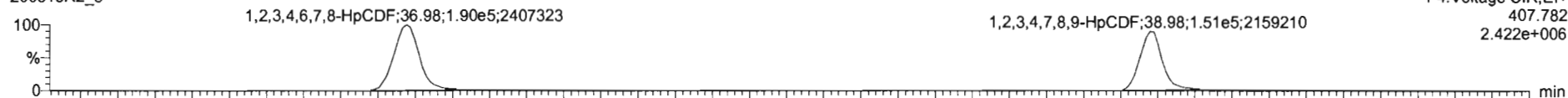
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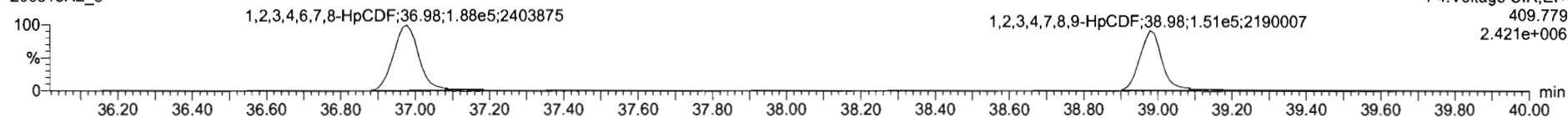
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1,2,3,4,6,7,8-HpCDF

200518R2_3

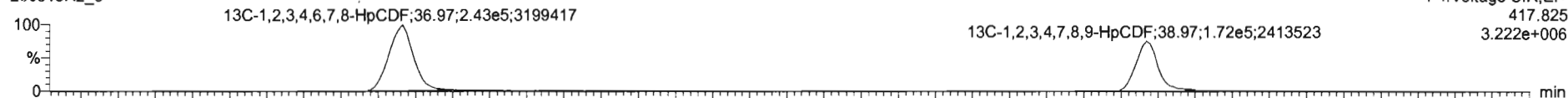


200518R2_3

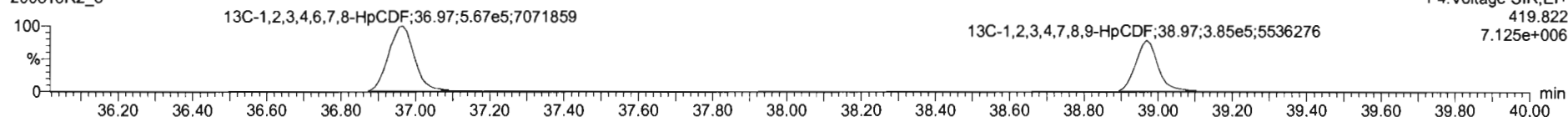


13C-1,2,3,4,6,7,8-HpCDF

200518R2_3

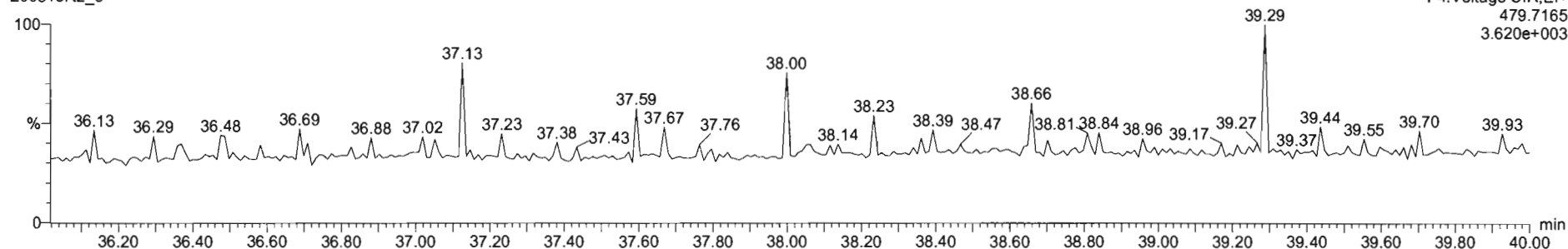


200518R2_3

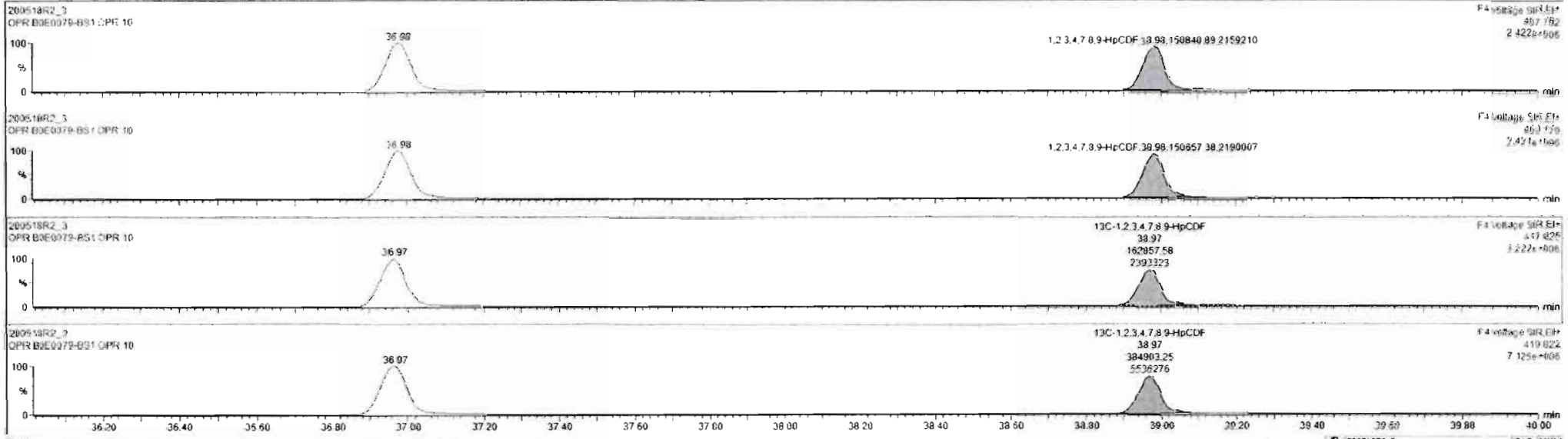


DPE4

200518R2_3



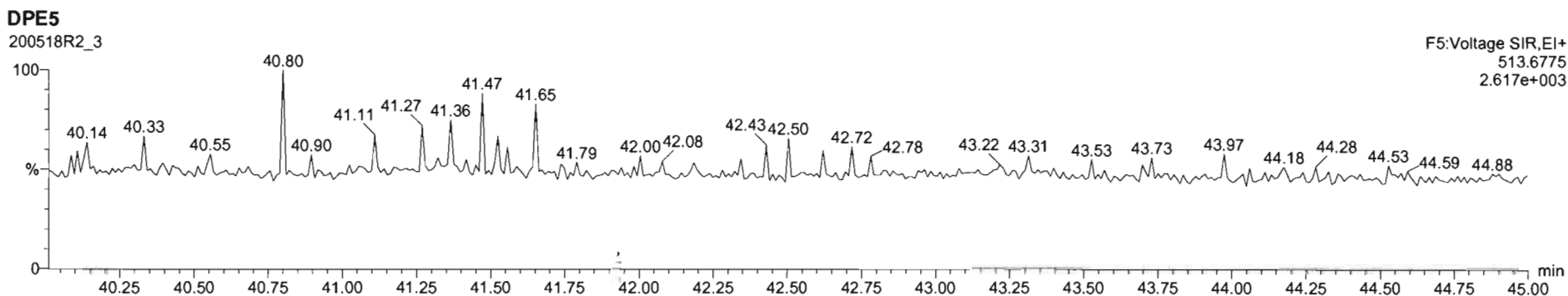
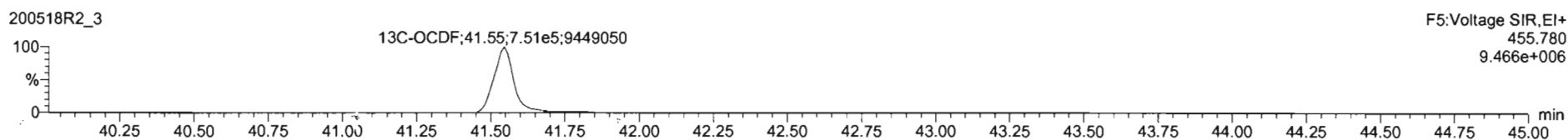
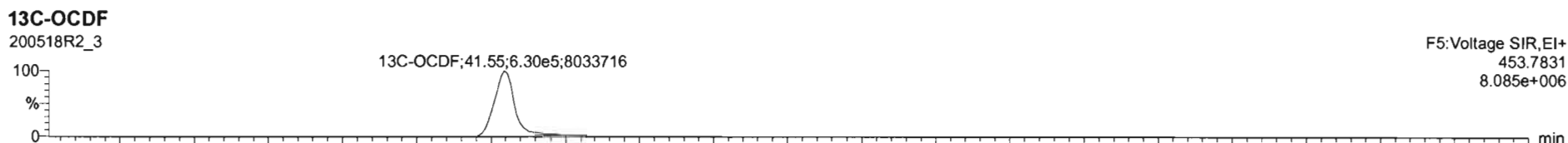
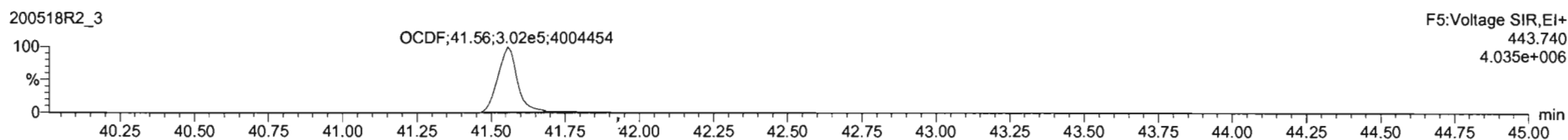
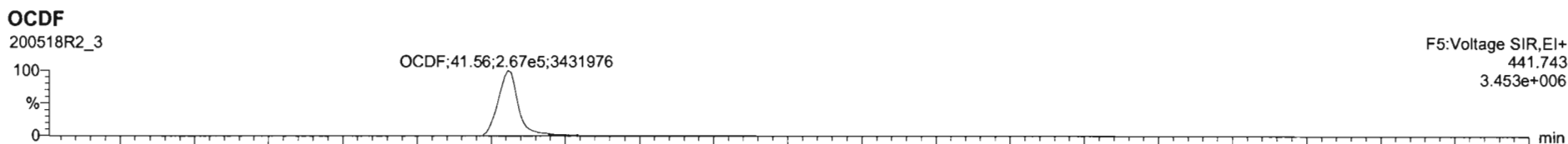
#	Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.32e5	0.77	NO	0.9475	10.000	26.97	1.001	17.7		0.0579	17.7
2	1,2,3,7,8-PeCDD	5.28e5	0.81	NO	0.8425	10.000	31.14	1.000	60.1		0.116	90.1
3	1,2,3,4,7,8-HxCDD	4.94e5	1.24	NO	1.0641	10.000	34.53	1.001	97.1		0.190	97.1
4	1,2,3,6,7,8-HxCDD	5.27e5	1.25	NO	0.9145	10.000	34.62	1.000	98.3		0.201	98.3
5	1,2,2,7,8,9-HxCDD	4.21e5	1.26	NO	0.9149	10.000	34.90	1.001	95.3		0.249	95.3
6	1,2,3,4,6,7,8-HpCDD	3.00e5	1.05	NO	0.8979	10.000	36.40	1.001	99.4		0.262	99.4
7	OCDD	5.01e5	0.89	NO	0.9335	10.000	41.38	1.000	195		0.311	195
8	2,3,7,8-TCDF	1.56e5	0.75	NO	0.7871	10.000	25.14	1.001	19.6		0.0417	19.6
9	1,2,3,7,8-PeCDF	7.70e5	1.56	NO	0.9102	10.000	29.83	1.001	95.3		0.166	95.3
10	2,3,4,7,8-PeCDF	7.96e5	1.55	NO	0.9664	10.000	30.83	1.000	94.2		3.142	94.2
11	1,2,3,4,7,8-HxCDF	5.25e5	1.20	NO	0.8782	10.000	33.65	1.000	105		0.208	105
12	1,2,3,6,7,8-HxCDF	6.03e5	1.21	NO	0.8740	10.000	33.78	1.001	107		0.203	107
13	2,3,4,6,7,8-HxCDF	5.59e5	1.21	NO	0.9217	10.000	34.36	1.001	106		0.224	106
14	1,2,3,7,8,9-HxCDF	4.24e5	1.22	NO	0.8642	10.000	35.25	1.001	105		0.328	105
15	1,2,3,4,6,7,8-HpCDF	3.77e5	1.01	NO	0.8712	10.000	36.98	1.000	107		0.274	107
16	1,2,3,4,7,8,9-HpCDF	3.01e5	1.00	NO	1.0116	10.000	38.98	1.000	109		0.313	109
17	OCDF	5.69e5	0.89	NO	0.8021	10.000	41.56	1.000	285		0.382	285
18	13C-2,3,7,8-TCDD	1.57e6	0.77	NO	1.1595	10.000	26.03	1.027	178	89.0	0.161	
19	13C-1,2,3,7,8-PeCDD	1.24e6	0.83	NO	0.8472	10.000	31.13	1.227	192	96.2	0.243	
20	13C-1,2,3,4,7,8-HxCDD	9.56e5	1.29	NO	0.7499	10.000	34.51	1.014	189	94.6	0.265	
21	13C-1,2,3,6,7,8-HxCDD	1.17e6	1.26	NO	0.9630	10.000	34.61	1.017	181	90.4	0.206	

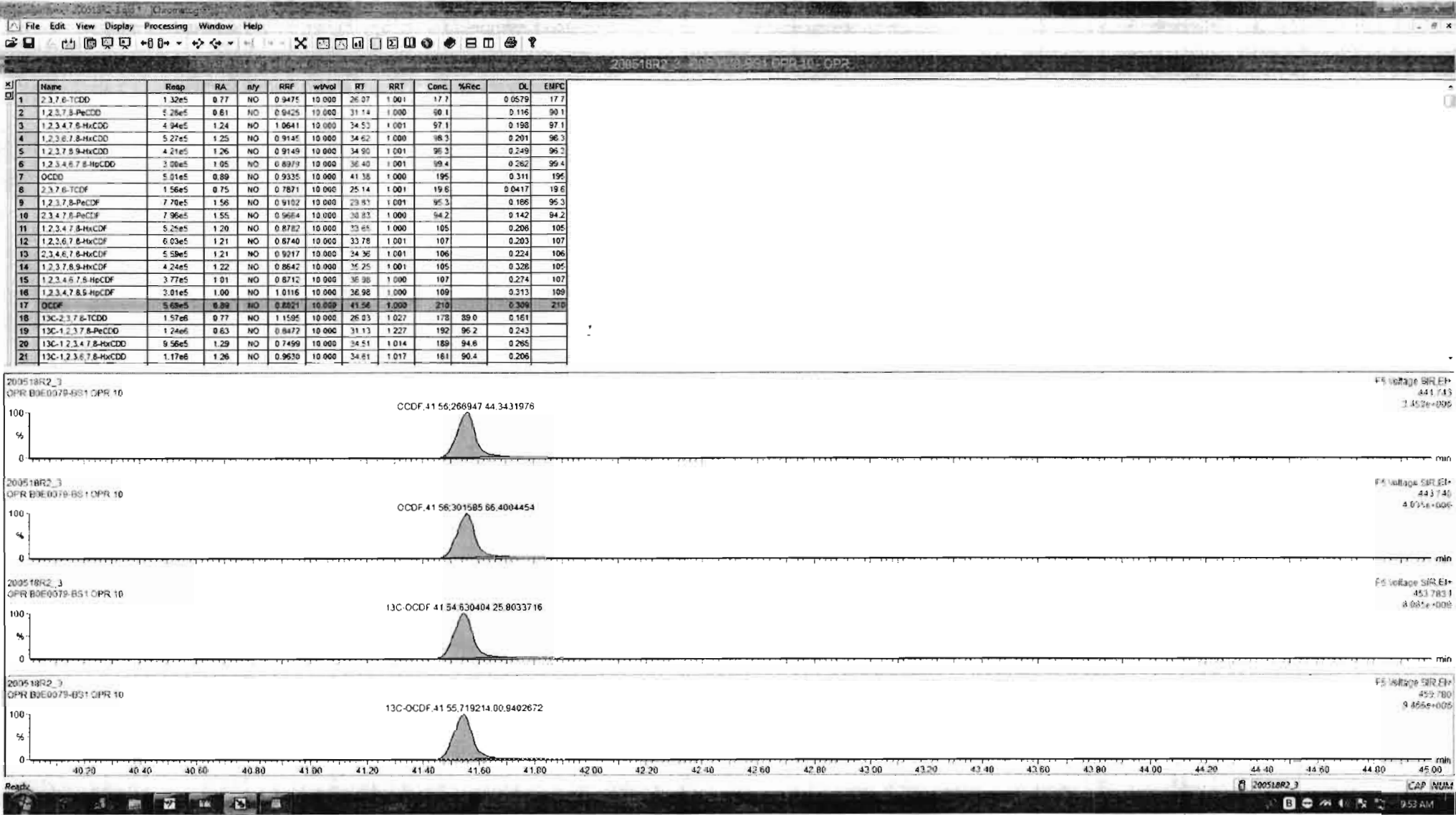


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Last Altered: Tuesday, May 19, 2020 07:25:38 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 07:47:40 Pacific Daylight Time

Name: 200518R2_3, Date: 18-May-2020, Time: 15:35:11, ID: B0E0079-BS1 OPR 10, Description: OPR

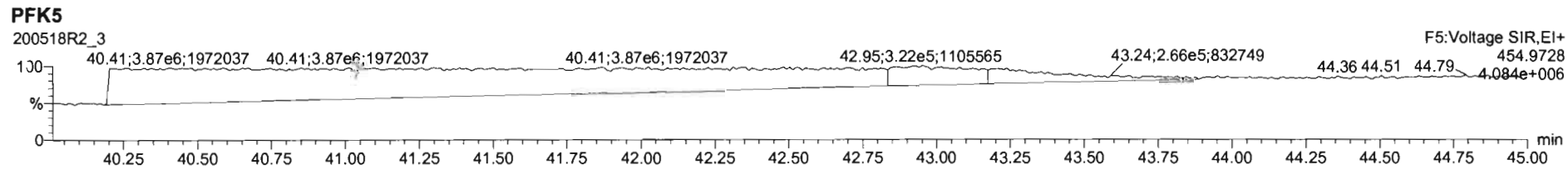
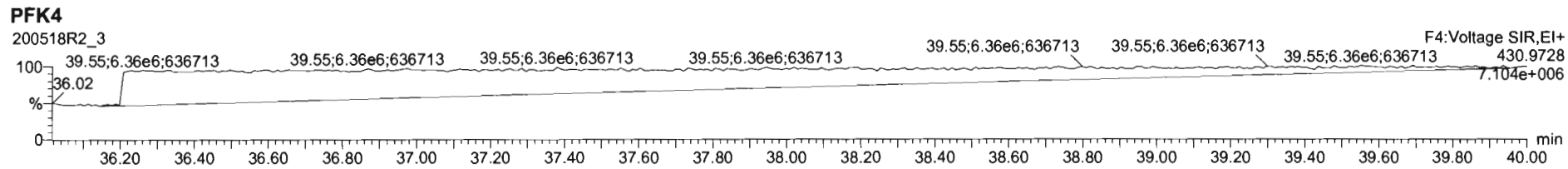
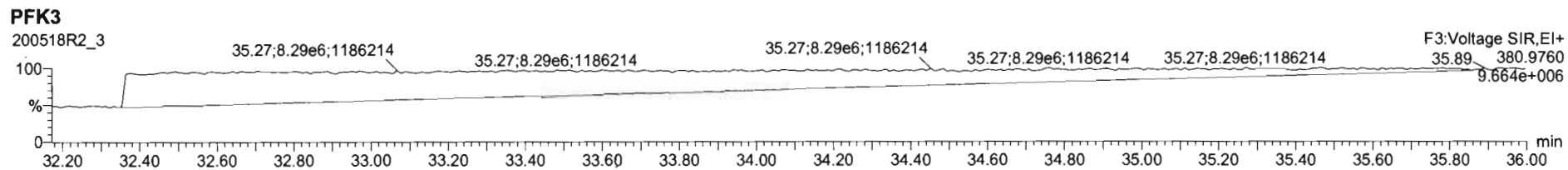
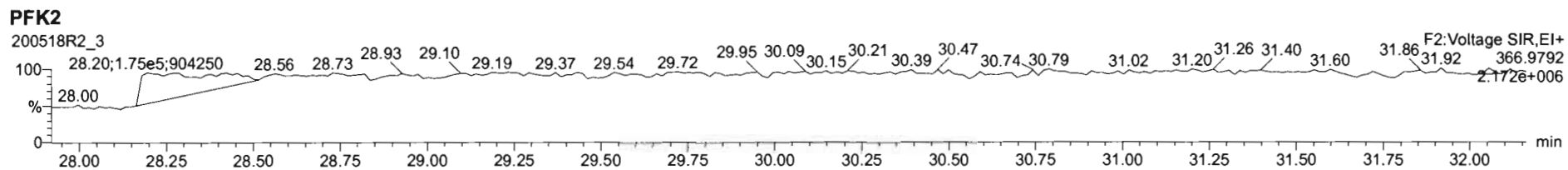
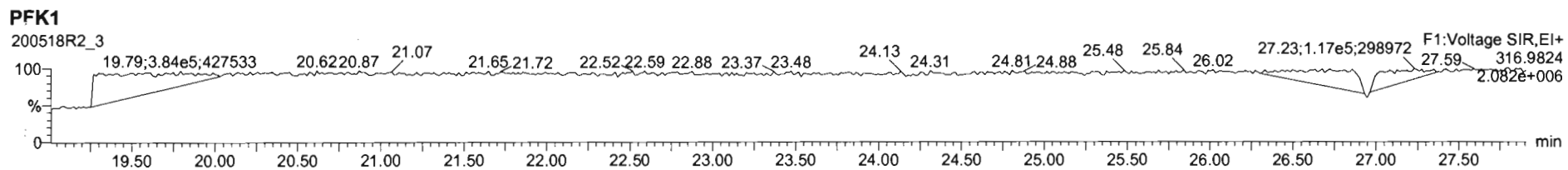




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Last Altered: Tuesday, May 19, 2020 07:25:38 Pacific Daylight Time
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Name: 200518R2_3, Date: 18-May-2020, Time: 15:35:11, ID: B0E0079-BS1 OPR 10, Description: OPR



Dataset: U:\VG12.PRO\Results\200605R1\200605R1-5.qld

Last Altered: Tuesday, June 09, 2020 12:25:18 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 12:25:33 Pacific Daylight Time

GRB 06/09/2020

C1 06/15/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R1_5, Date: 05-Jun-2020, Time: 12:59:13, ID: 2000995-01 PDI-068SC-A-10-11-200430 16.51, Description: PDI-068SC-A-10-11-200430

#	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	0.888	10.035	26.531		1.001				0.0957	
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.035	31.488		1.001				0.0950	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.035	34.835		1.000				0.164	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.035	34.943		1.000				0.175	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.035	35.230		1.000				0.215	
6	6 1,2,3,4,6,7,8-HpCDD	1.27e3	0.88	YES	0.864	10.035	38.757	38.76	1.000	1.000	1.2206		0.257	1.13
7	7 OCDD	6.95e3	0.86	NO	0.914	10.035	41.716	41.74	1.000	1.001	8.7385		0.297	8.74
8	8 2,3,7,8-TCDF			NO	0.751	10.035	25.641		1.001				0.110	
9	9 1,2,3,7,8-PeCDF			NO	0.893	10.035	30.205		1.001				0.0829	
10	10 2,3,4,7,8-PeCDF			NO	0.935	10.035	31.191		1.001				0.0775	
11	11 1,2,3,4,7,8-HxCDF			NO	0.884	10.035	33.963		1.000				0.0746	
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	10.035	34.090		1.000				0.0680	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.035	34.701		1.001				0.0799	
14	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.035	35.582		1.000				0.120	
15	15 1,2,3,4,6,7,8-HpCDF	2.85e2	1.58	YES	0.873	10.035	37.386	37.35	1.001	1.000	0.2372		0.074	0.187
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.035	39.288		1.000				0.112	
17	17 OCDF	3.25e3	0.83	NO	0.806	10.035	41.908	41.92	1.000	1.000	3.9700		0.237	3.97
18	18 13C-2,3,7,8-TCDD	6.59e5	0.77	NO	1.16	10.035	26.538	26.50	1.026	1.025	165.73	83.2	0.215	
19	19 13C-1,2,3,7,8-PeCDD	4.65e5	0.63	NO	0.849	10.035	31.729	31.47	1.227	1.217	159.12	79.8	0.283	
20	20 13C-1,2,3,4,7,8-HxCDD	3.00e5	1.29	NO	0.779	10.035	34.841	34.83	1.014	1.014	143.80	72.2	0.674	
21	21 13C-1,2,3,6,7,8-HxCDD	4.09e5	1.33	NO	1.02	10.035	34.955	34.94	1.017	1.017	150.35	75.4	0.517	
22	22 13C-1,2,3,7,8,9-HxCDD	3.45e5	1.37	NO	0.903	10.035	35.226	35.22	1.025	1.025	142.89	71.7	0.582	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.38e5	1.03	NO	0.689	10.035	38.751	38.74	1.128	1.128	128.83	64.6	0.531	
24	24 13C-OCDD	3.47e5	0.91	NO	0.652	10.035	41.775	41.72	1.216	1.214	198.83	49.9	0.781	
25	25 13C-2,3,7,8-TCDF	8.65e5	0.74	NO	1.06	10.035	25.578	25.61	0.989	0.991	159.29	79.9	0.337	
26	26 13C-1,2,3,7,8-PeCDF	7.14e5	1.62	NO	0.838	10.035	30.111	30.18	1.165	1.167	166.15	83.4	0.558	
27	27 13C-2,3,4,7,8-PeCDF	6.88e5	1.62	NO	0.817	10.035	31.065	31.16	1.202	1.205	164.25	82.4	0.573	
28	28 13C-1,2,3,4,7,8-HxCDF	4.00e5	0.50	NO	1.01	10.035	33.972	33.96	0.989	0.989	148.19	74.4	0.799	
29	29 13C-1,2,3,6,7,8-HxCDF	4.62e5	0.49	NO	1.17	10.035	34.096	34.08	0.992	0.992	147.83	74.2	0.690	
30	30 13C-2,3,4,6,7,8-HxCDF	3.88e5	0.51	NO	1.02	10.035	34.670	34.67	1.009	1.009	141.96	71.2	0.788	
31	31 13C-1,2,3,7,8,9-HxCDF	3.11e5	0.51	NO	0.860	10.035	35.570	35.58	1.035	1.036	135.13	67.8	0.937	

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-5.qld

Last Altered: Tuesday, June 09, 2020 12:25:18 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 12:25:33 Pacific Daylight Time

Name: 200605R1_5, Date: 05-Jun-2020, Time: 12:59:13, ID: 2000995-01 PDI-068SC-A-10-11-200430 16.51, Description: PDI-068SC-A-10-11-200430

#	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	2.74e5	0.42	NO	0.774	10.035	37.319	37.35	1.086	1.087	132.35	66.4	0.567	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.83e5	0.44	NO	0.521	10.035	39.349	39.29	1.145	1.144	131.16	65.8	0.842	
34	34 13C-OCDF	4.05e5	0.88	NO	0.746	10.035	41.946	41.91	1.221	1.220	202.98	50.9	0.476	
35	35 37Cl-2,3,7,8-TCDD	2.28e5			1.04	10.035	26.569	26.53	1.028	1.026	63.937	80.2	0.0592	
36	36 13C-1,2,3,4-TCDD	6.86e5	0.80	NO	1.00	10.035	25.890	25.85	1.000	1.000	199.31	100	0.248	
37	37 13C-1,2,3,4-TCDF	1.02e6	0.80	NO	1.00	10.035	24.360	24.18	1.000	1.000	199.31	100	0.356	
38	38 13C-1,2,3,4,6,9-HxCDF	5.33e5	0.51	NO	1.00	10.035	34.420	34.36	1.000	1.000	199.31	100	0.805	
39	39 Total Tetra-Dioxins				0.888	10.035	24.620		0.000		1.2785		0.0957	1.28
40	40 Total Penta-Dioxins				0.908	10.035	29.960		0.000		0.62474		0.0950	0.925
41	41 Total Hexa-Dioxins				0.892	10.035	33.635		0.000		2.0443		0.192	2.04
42	42 Total Hepta-Dioxins				0.864	10.035	37.640		0.000		1.6926		0.257	2.82
43	43 Total Tetra-Furans				0.751	10.035	23.610		0.000		0.88758		0.110	0.888
44	44 1st Func. Penta-Furans				0.893	10.035	27.580		0.000		0.00000		0.00991	0.0684
45	45 Total Penta-Furans				0.893	10.035	29.275		0.000				0.0346	
46	46 Total Hexa-Furans				0.934	10.035	33.555		0.000		0.090250		0.0454	0.0902
47	47 Total Hepta-Furans				0.873	10.035	37.835		0.000		0.00000		0.0475	0.187

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-5.qld

Last Altered: Tuesday, June 09, 2020 12:25:18 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 12:25:33 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: 200605R1_5, Date: 05-Jun-2020, Time: 12:59:13, ID: 2000995-01 PDI-068SC-A-10-11-200430 16.51, Description: PDI-068SC-A-10-11-200430

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.52	7.287e3	1.159e4	7.808e2	1.075e3	0.73	NO	1.856e3	0.63152	0.63152	0.0957
2	Total Tetra-Dioxins	22.95	7.230e3	7.663e3	5.341e2	7.280e2	0.73	NO	1.262e3	0.42954	0.42954	0.0957
3	Total Tetra-Dioxins	24.36	5.361e3	4.355e3	2.753e2	3.636e2	0.76	NO	6.389e2	0.21742	0.21742	0.0957

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.27	3.621e3	5.552e3	2.408e2	3.592e2	0.67	NO	6.000e2	0.28336	0.28336	0.0950
2	Total Penta-Dioxins	29.73	1.861e3	3.042e3	7.220e1	1.292e2	0.56	NO	2.014e2	0.095128	0.095128	0.0950
3	Total Penta-Dioxins	30.23	3.643e3	5.669e3	3.437e2	3.901e2	0.88	YES	0.000e0	0.00000	0.30028	0.0950
4	Total Penta-Dioxins	30.50	3.373e3	7.629e3	1.875e2	3.339e2	0.56	NO	5.214e2	0.24625	0.24625	0.0950

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.33	1.495e4	1.339e4	7.708e2	5.983e2	1.29	NO	1.369e3	0.87034	0.87034	0.192
2	Total Hexa-Dioxins	33.90	1.249e4	8.464e3	6.334e2	4.488e2	1.41	NO	1.082e3	0.68797	0.68797	0.192
3	Total Hexa-Dioxins	34.15	6.433e3	4.489e3	4.288e2	3.356e2	1.28	NO	7.645e2	0.48600	0.48600	0.192

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.75	1.212e4	1.043e4	8.828e2	8.605e2	1.03	NO	1.743e3	1.6926	1.6926	0.257
2	1,2,3,4,6,7,8-HpCDD	38.76	9.632e3	1.134e4	5.929e2	6.747e2	0.88	YES	1.268e3	0.00000	1.1291	0.257

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.41	3.622e3	5.608e3	2.749e2	4.144e2	0.66	NO	6.892e2	0.21140	0.21140	0.110
2	Total Tetra-Furans	21.51	1.231e4	1.373e4	9.219e2	1.283e3	0.72	NO	2.205e3	0.67618	0.67618	0.110

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Dataset: U:\VG12.PRO\Results\200605R1\200605R1-5.qld

Last Altered: Tuesday, June 09, 2020 12:25:18 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 12:25:33 Pacific Daylight Time

Name: 200605R1_5, Date: 05-Jun-2020, Time: 12:59:13, ID: 2000995-01 PDI-068SC-A-10-11-200430 16.51, Description: PDI-068SC-A-10-11-200430

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	27.64	2.268e3	1.853e3	1.306e2	1.344e2	0.97	YES	0.000e0	0.00000	0.068435	0.00991

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	32.96	2.260e3	2.098e3	9.069e1	7.430e1	1.22	NO	1.650e2	0.090250	0.090250	0.0454

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1,	1,2,3,4,6,7,8-HpCDF	37.35	4.137e3	1.704e3	1.747e2	1.105e2	1.58	YES	2.852e2	0.00000	0.18748	0.0424

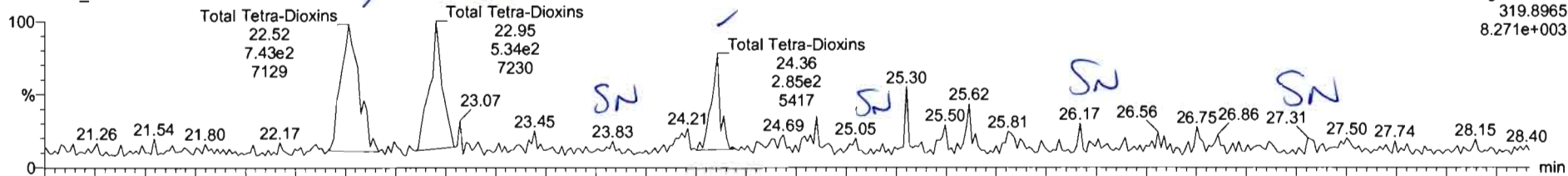
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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

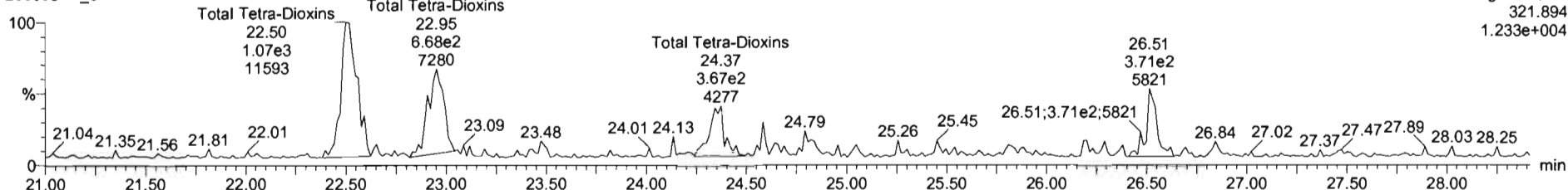
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2,3,7,8-TCDD

200605R1_5

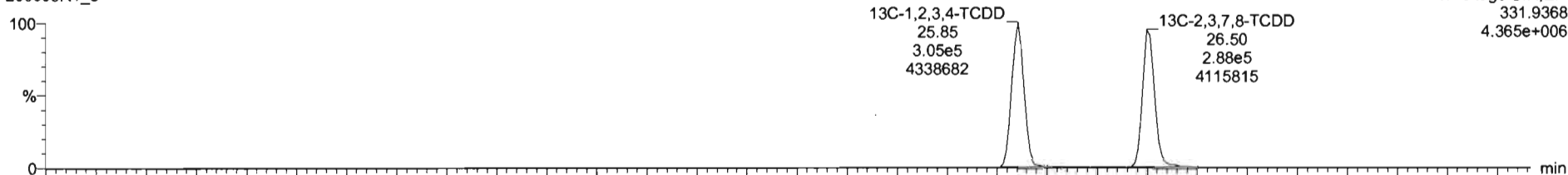


200605R1_5

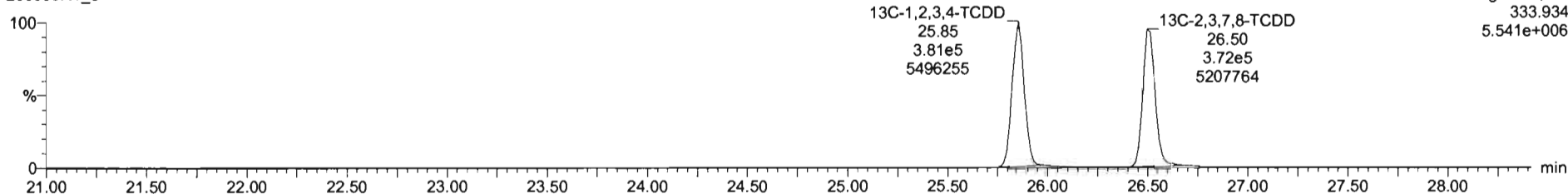


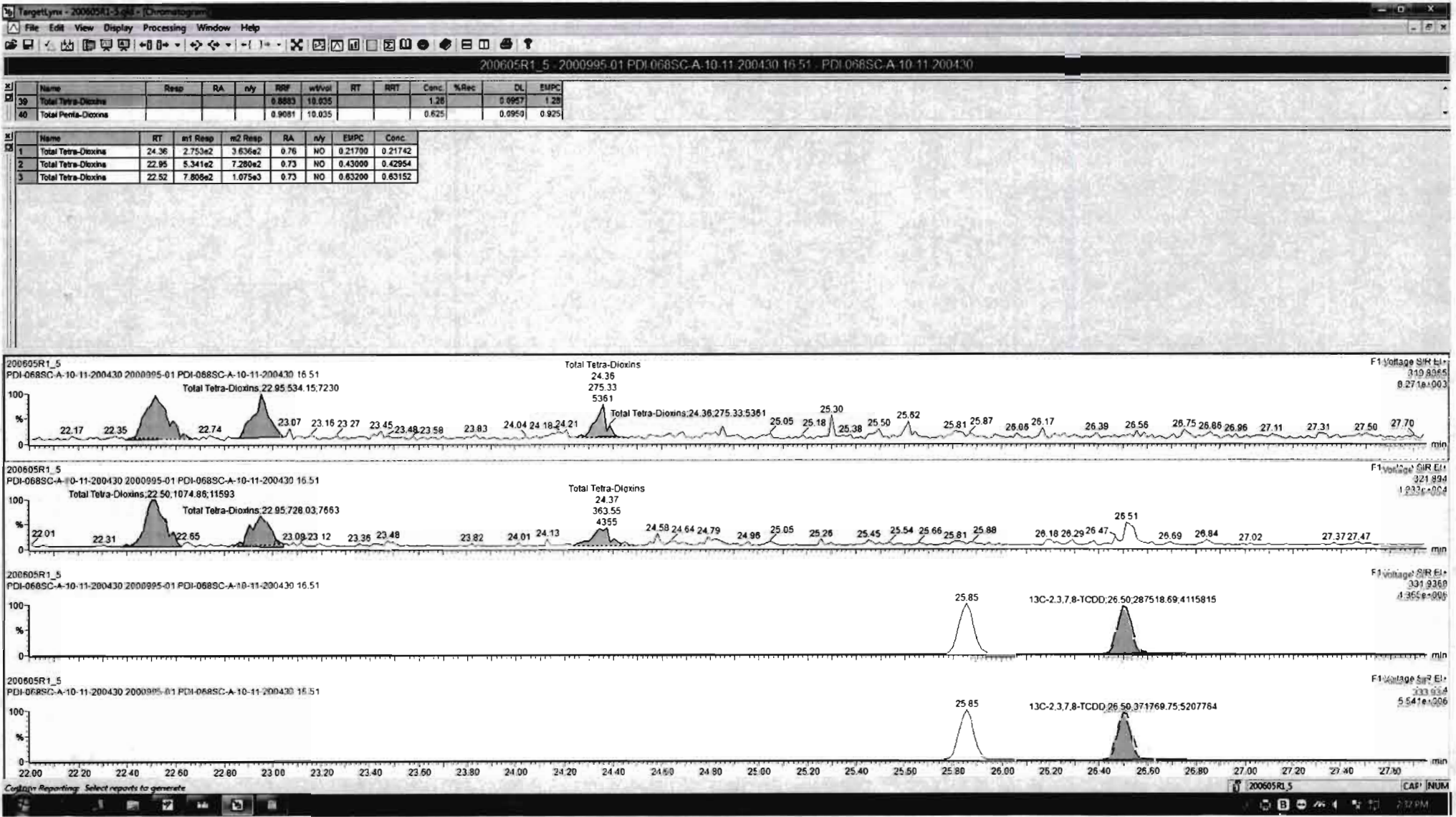
13C-2,3,7,8-TCDD

200605R1_5



200605R1_5





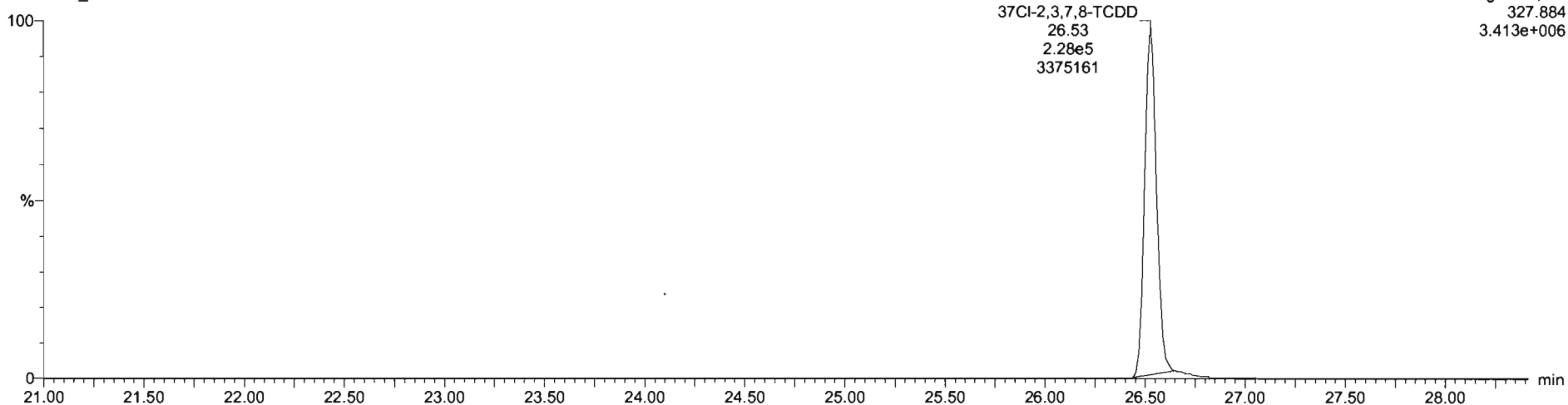
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Last Altered: Sunday, June 07, 2020 08:21:27 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

Name: 200605R1_5, Date: 05-Jun-2020, Time: 12:59:13, ID: 2000995-01 PDI-068SC-A-10-11-200430 16.51, Description: PDI-068SC-A-10-11-200430

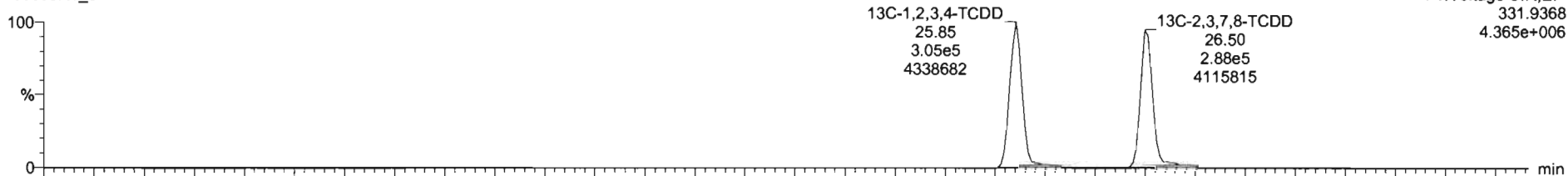
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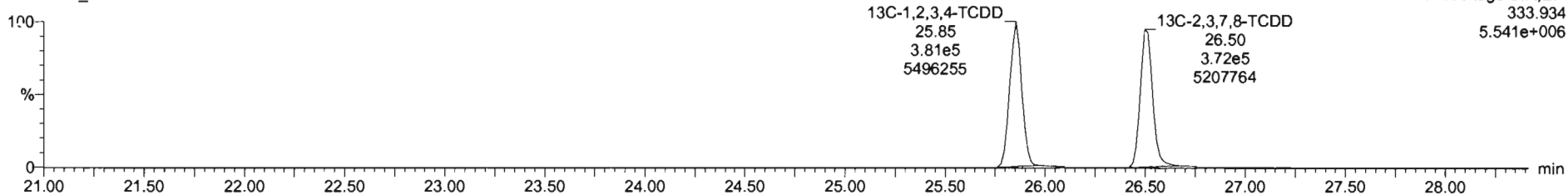


13C-1,2,3,4-TCDD

200605R1_5



200605R1_5



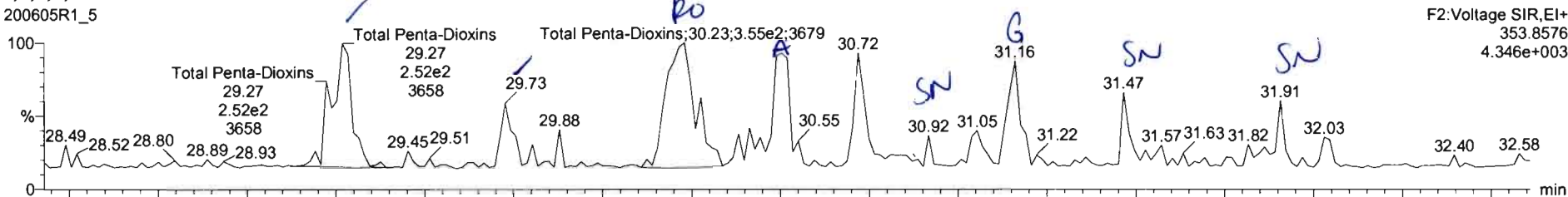
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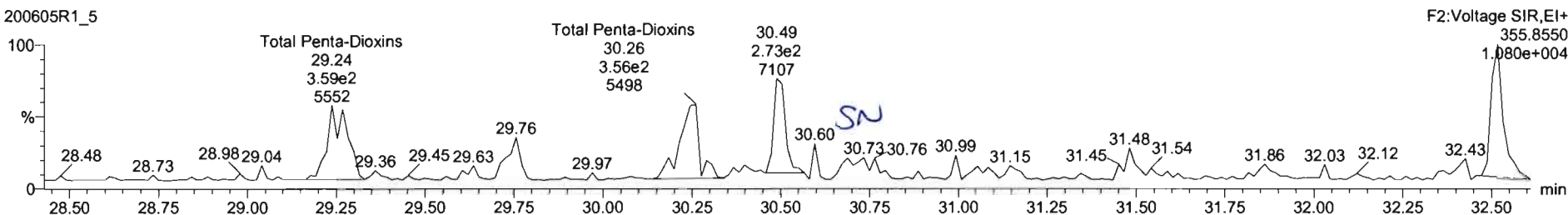
1,2,3,7,8-PeCDD

200605R1_5



F2:Voltage SIR,EI+
353.8576
4.346e+003

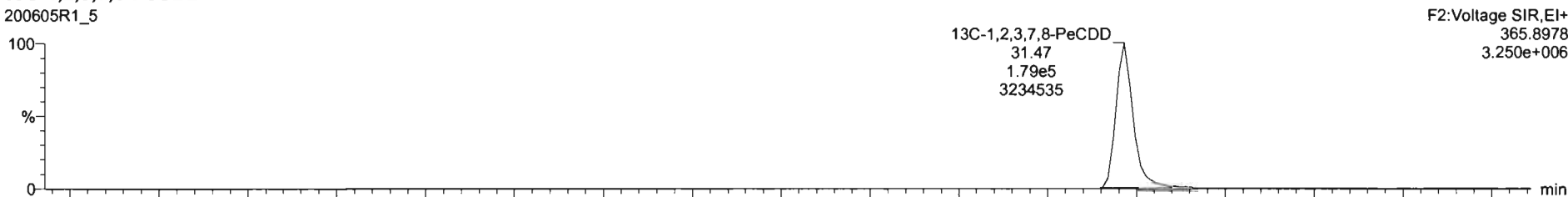
200605R1_5



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355.8550
1.080e+004

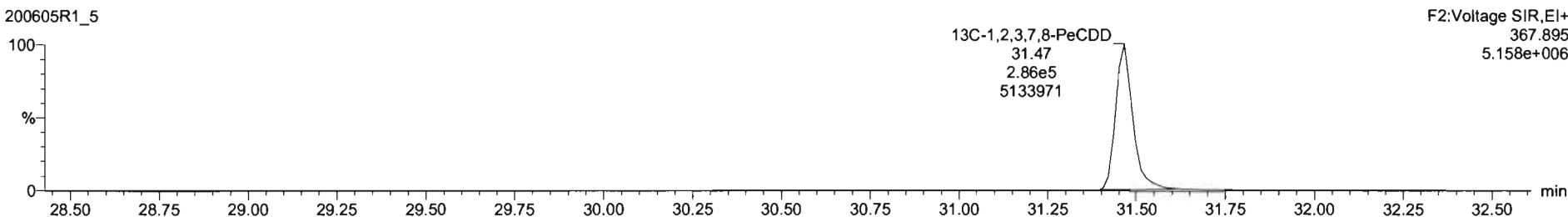
13C-1,2,3,7,8-PeCDD

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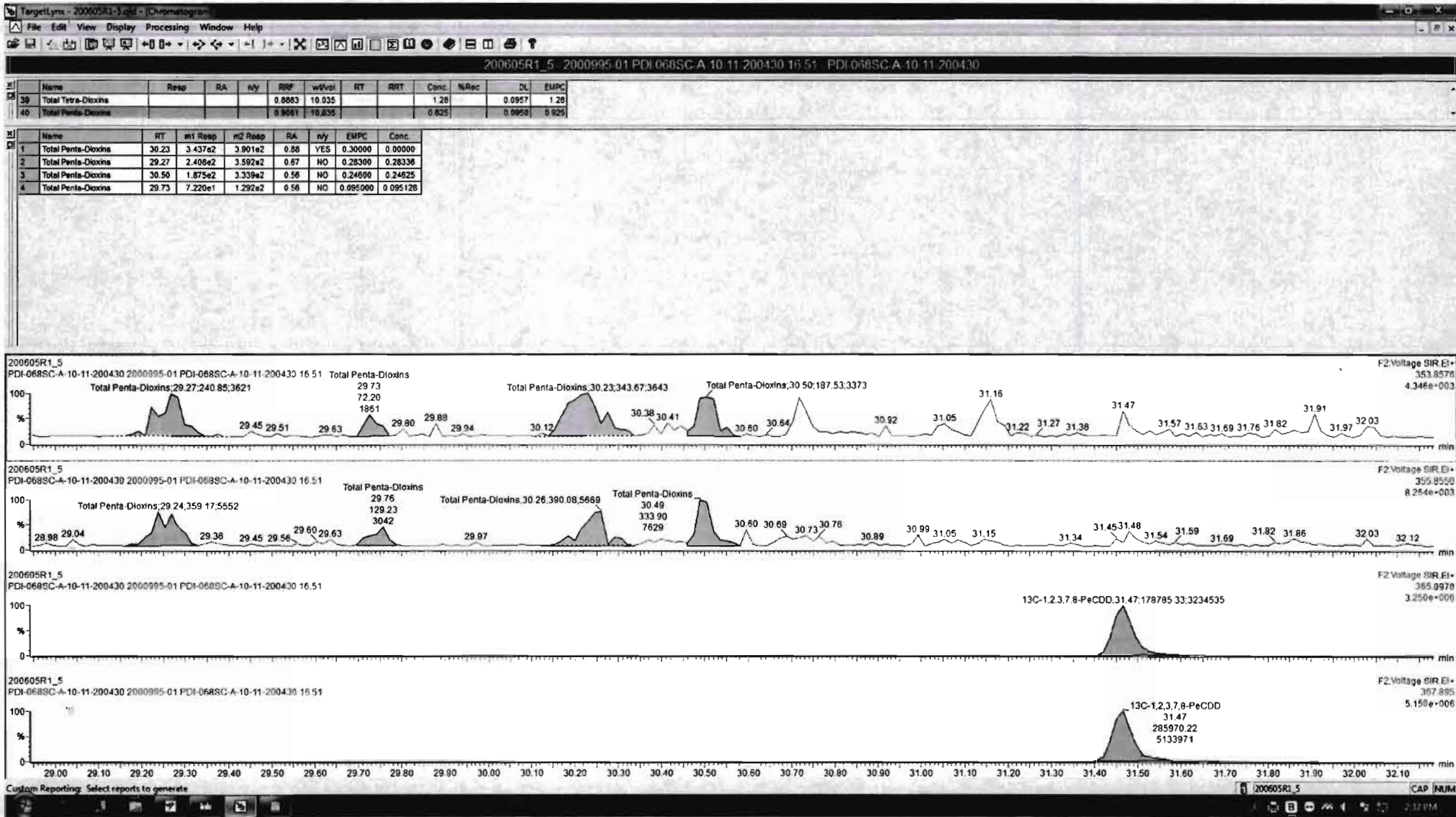


F2:Voltage SIR,EI+
365.8978
3.250e+006

200605R1_5



F2:Voltage SIR,EI+
367.895
5.158e+006



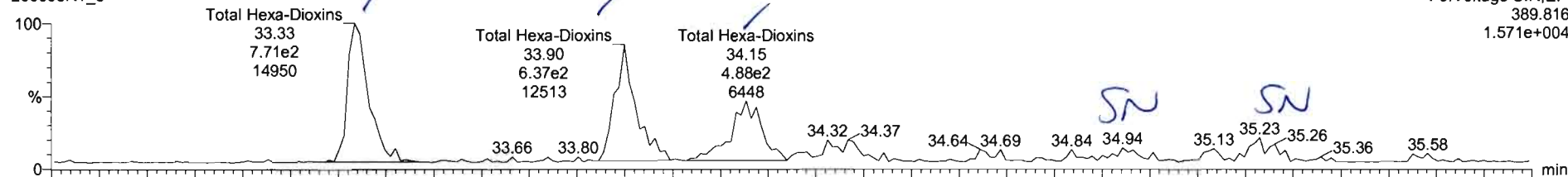
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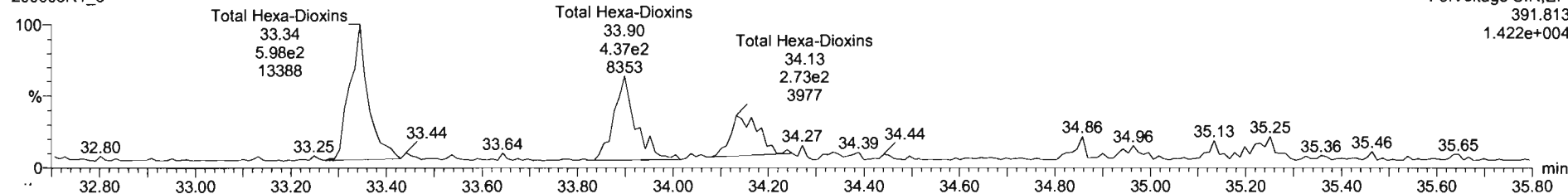
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1,2,3,4,7,8-HxCDD

200605R1_5

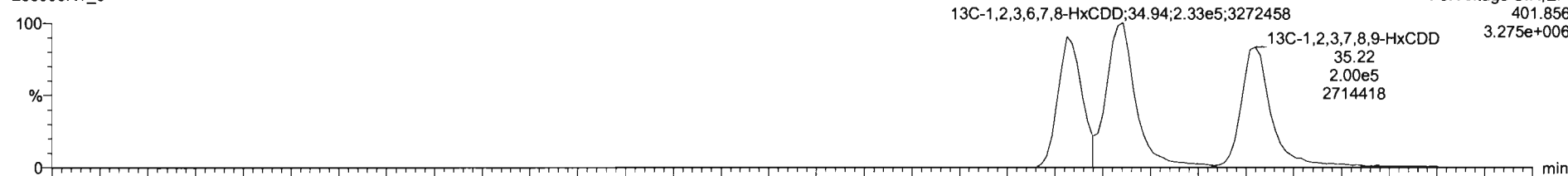


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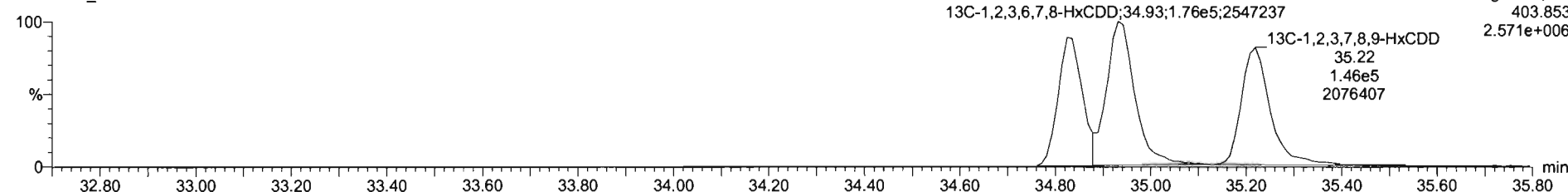


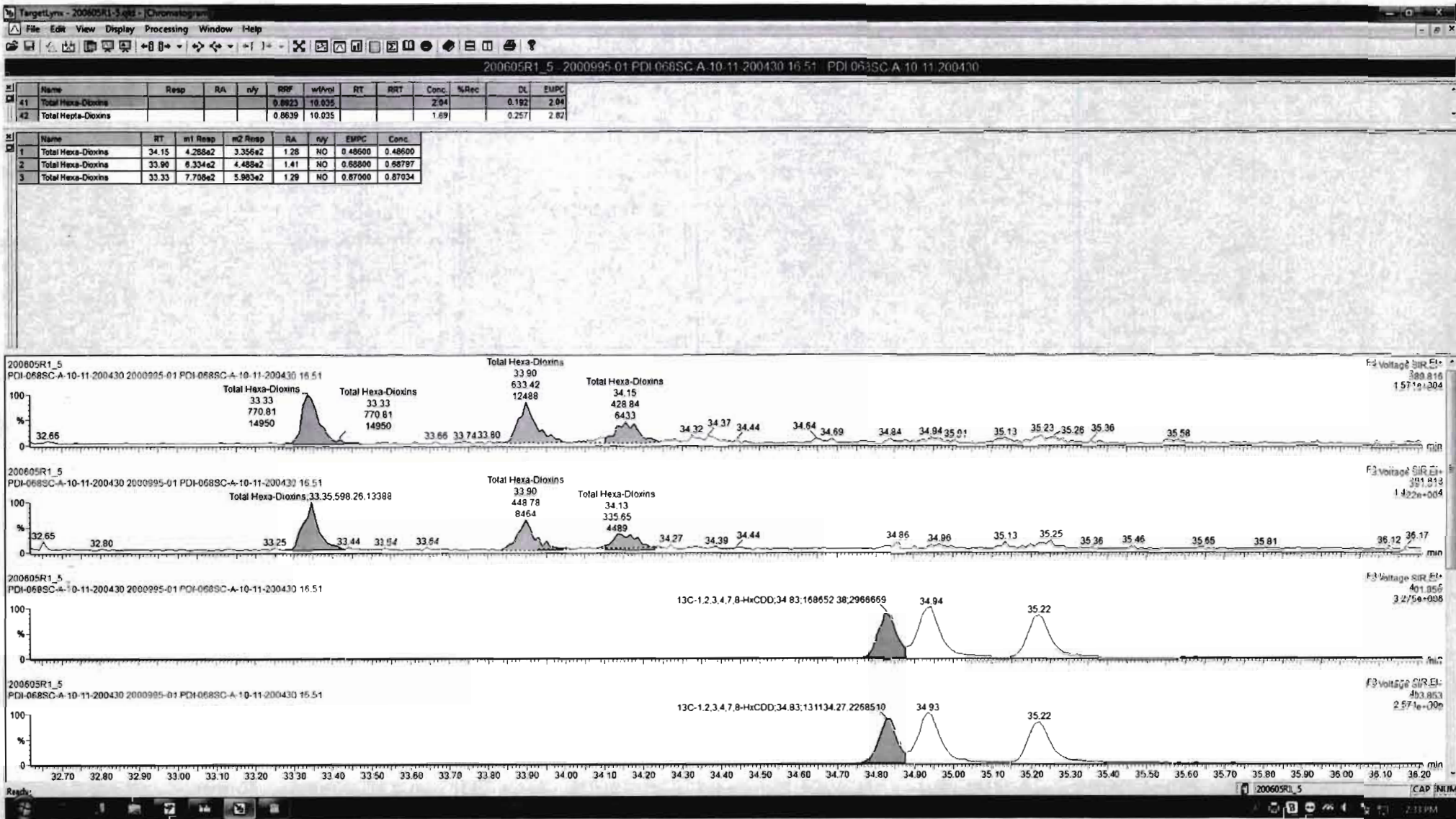
13C-1,2,3,4,7,8-HxCDD

200605R1_5



200605R1_5





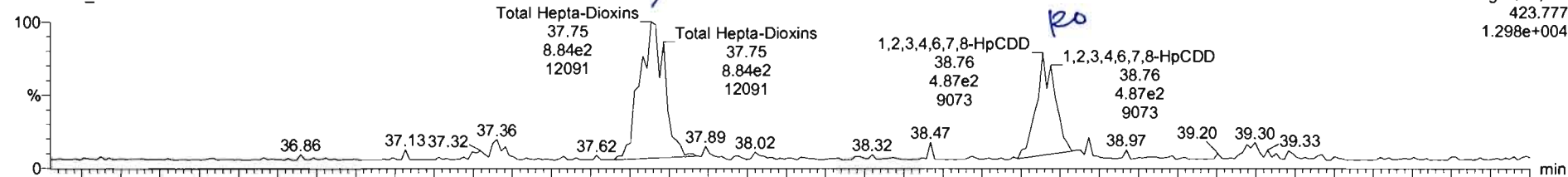
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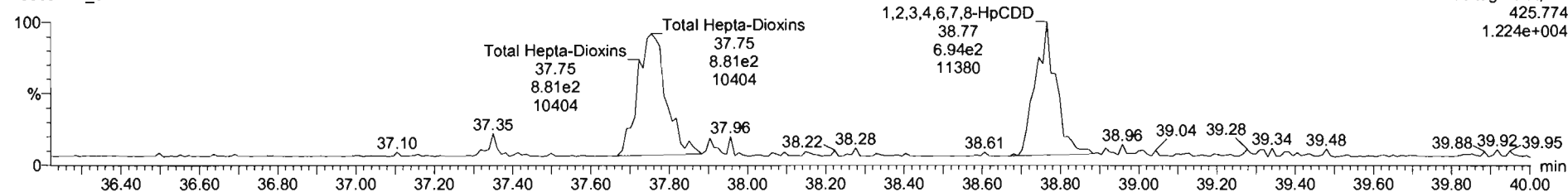
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1,2,3,4,6,7,8-HpCDD

200605R1_5

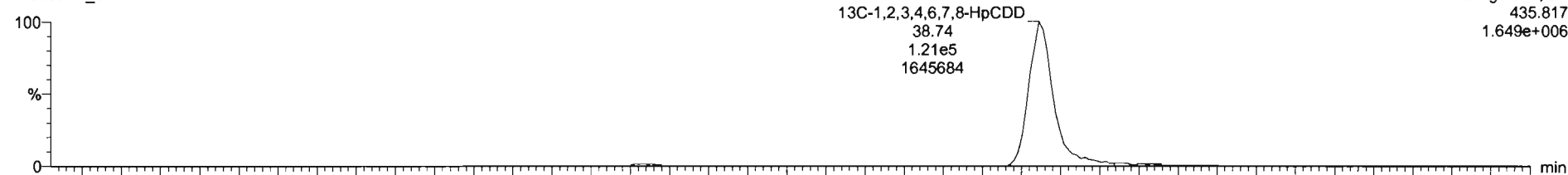


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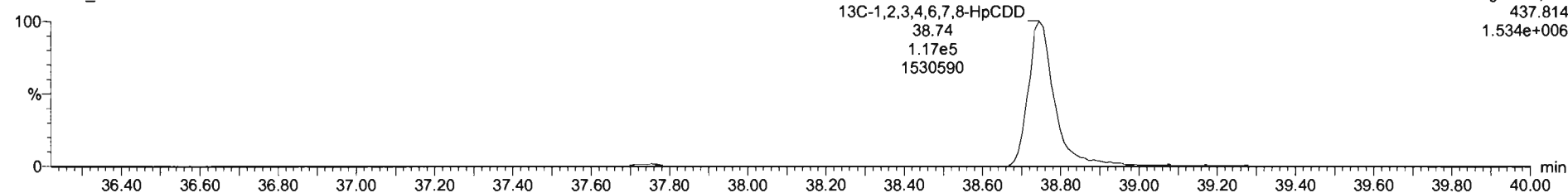


13C-1,2,3,4,6,7,8-HpCDD

200605R1_5



200605R1_5



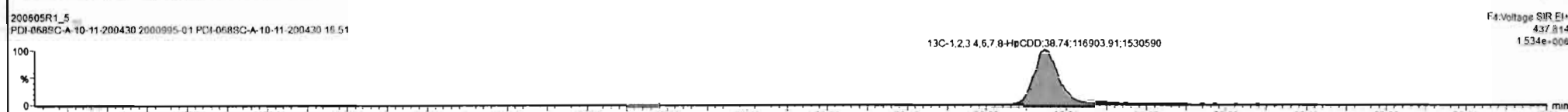
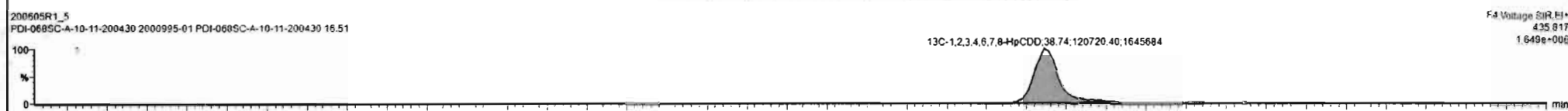
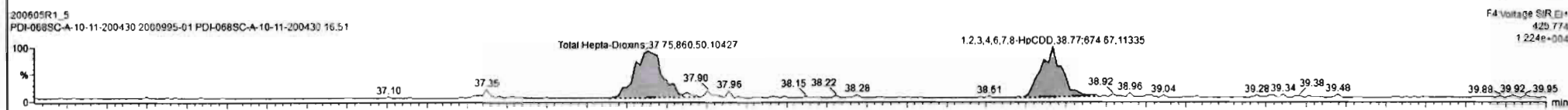
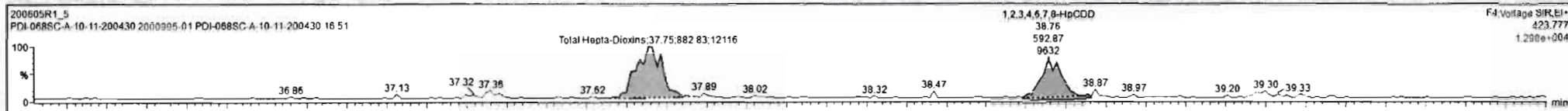
TargetLynx - 200605R1_5_2009 - Chromatogram

File Edit View Display Processing Window Help

200605R1_5 - 2000995-01 PDI-068SC-A-10-11-200430 16 51 - PDI-068SC-A-10-11-200430

#	Name	Resp	RA	n/y	RRF	wVol	RT	RRT	Conc	%Rec	DL	EMPC
41	Total Hexa-Dioxins				0.8923	10.035			2.04		0.192	2.04
42	Total Hepta-Dioxins				0.8639	10.035			1.69		0.257	2.82

#	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1	Total Hepta-Dioxins	37.75	8.828e2	8.805e2	1.03	NO	1.6930	1.6926
2	1,2,3,4,6,7,8-HpCDD	38.78	5.929e2	6.747e2	0.88	YES	1.1290	0.00000



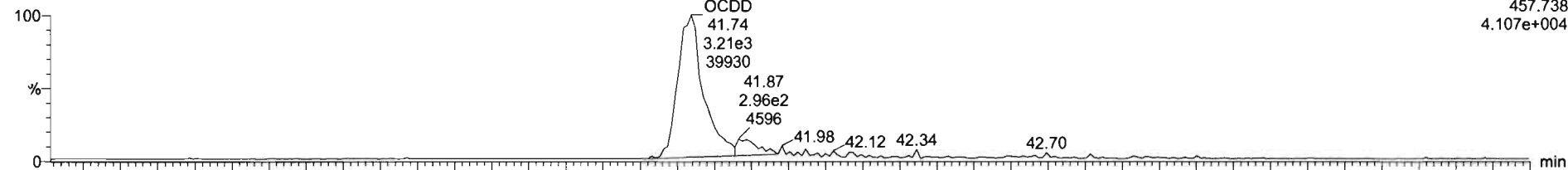
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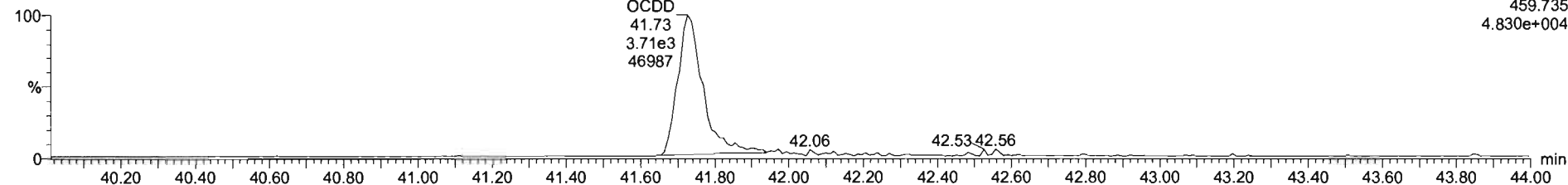
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OCDD

200605R1_5

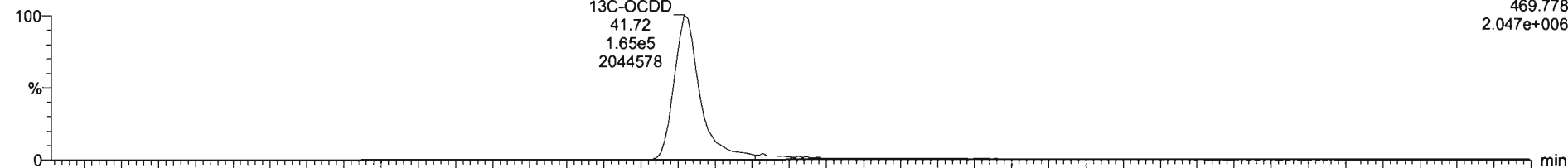


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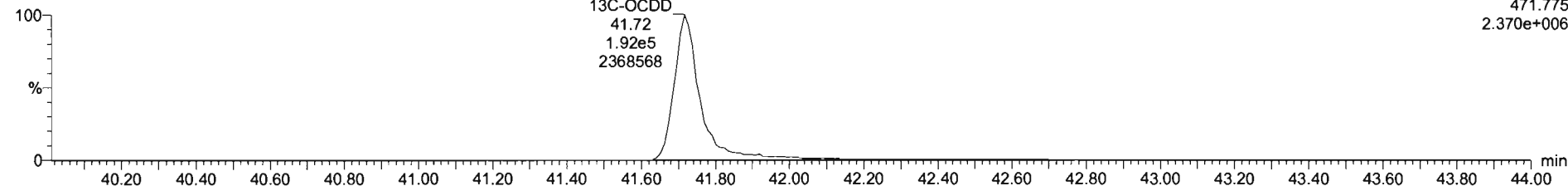


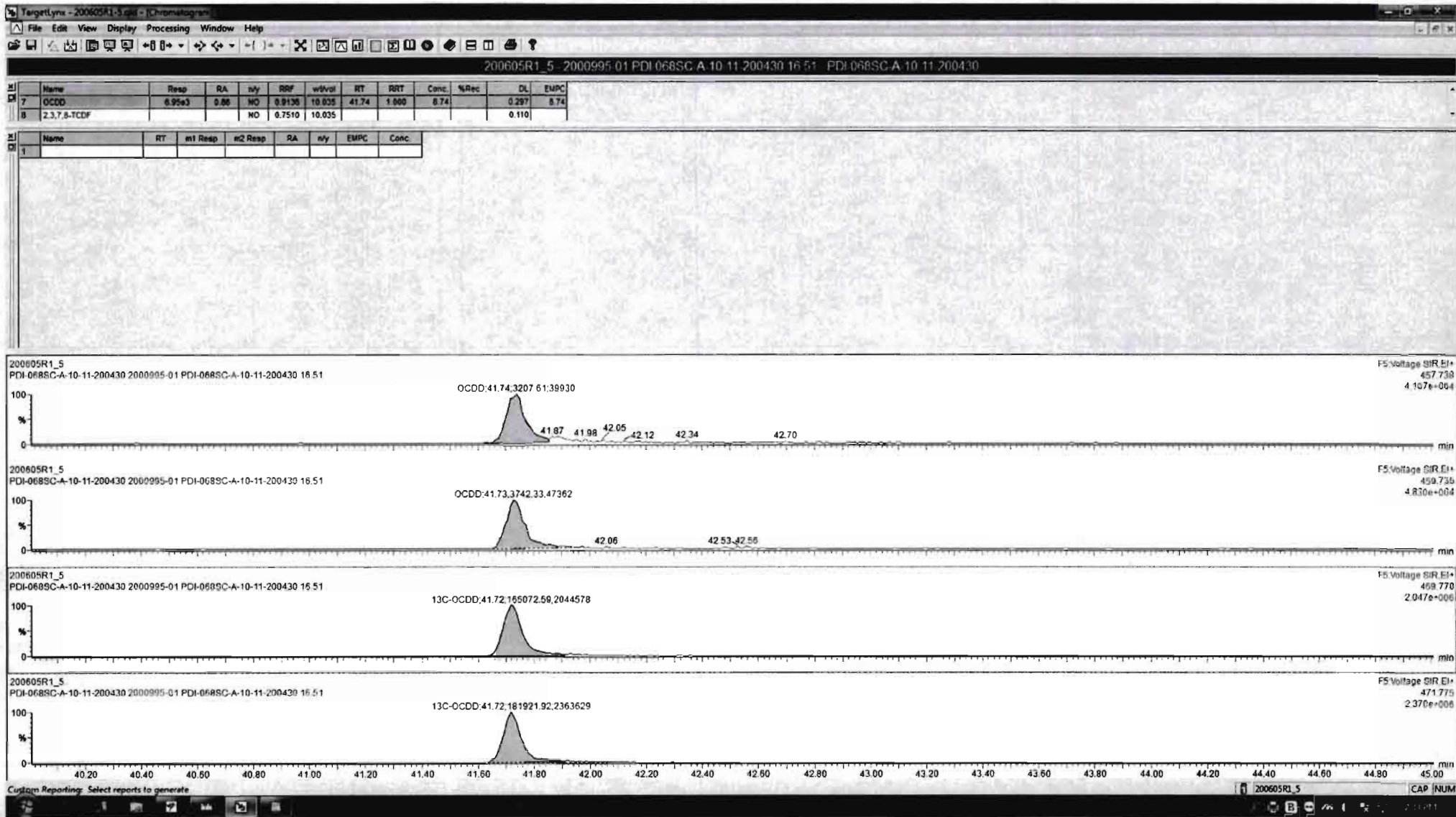
13C-OCDD

200605R1_5



200605R1_5



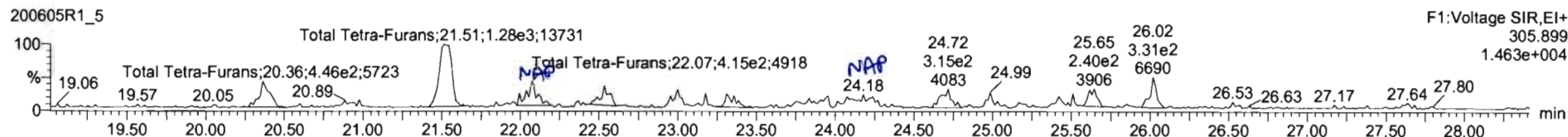
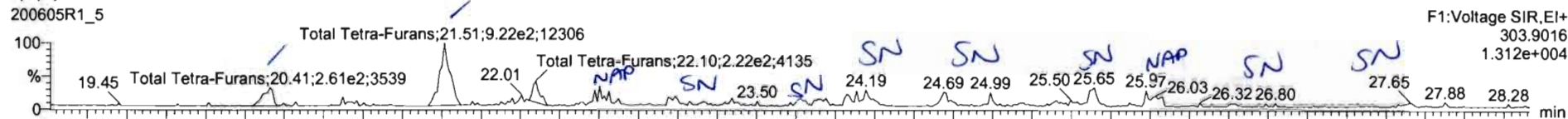


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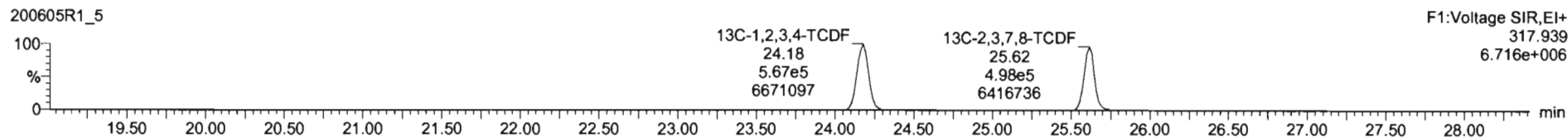
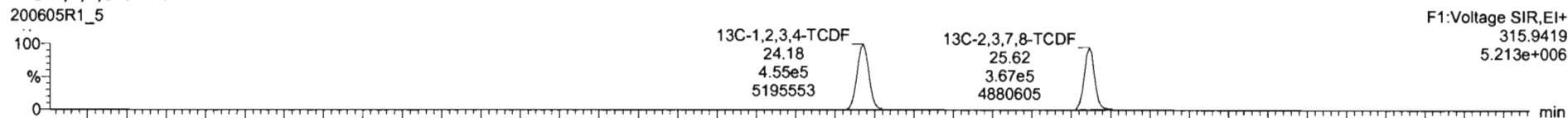
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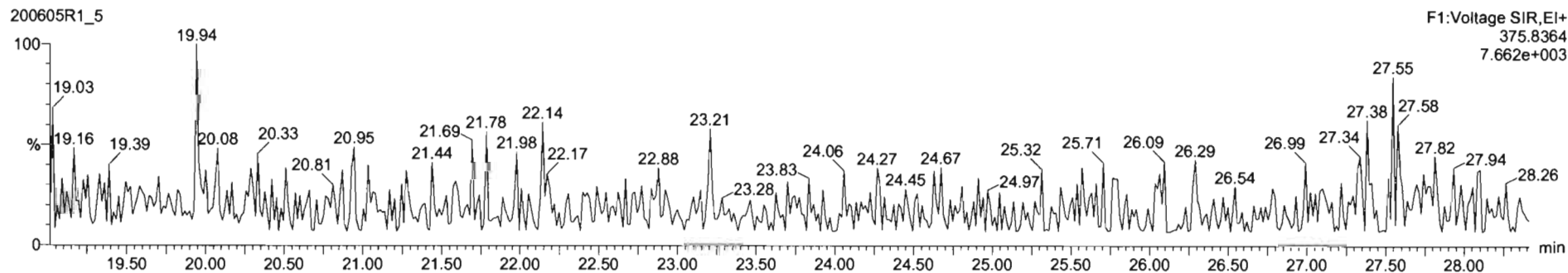
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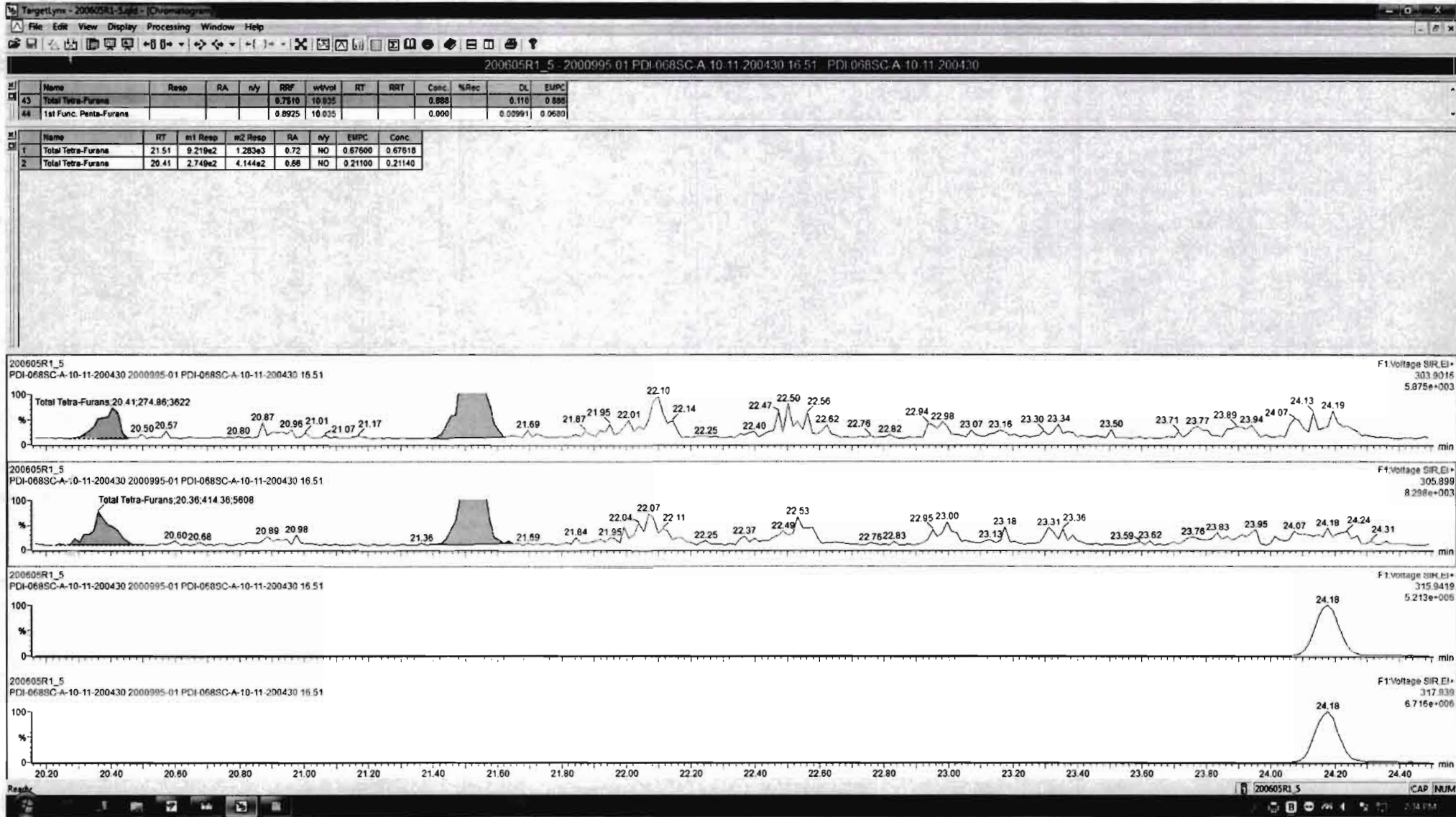


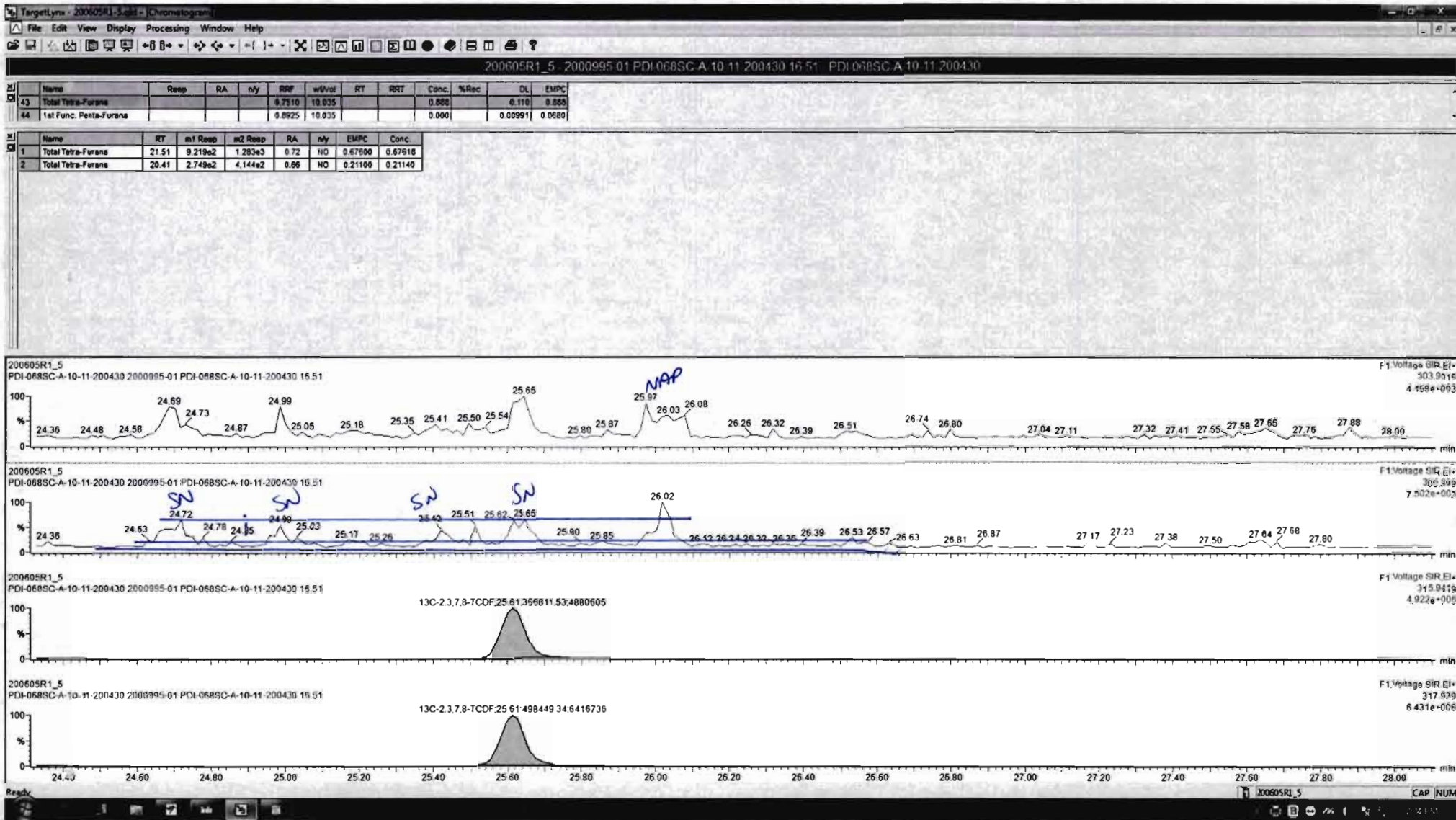
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DPE1







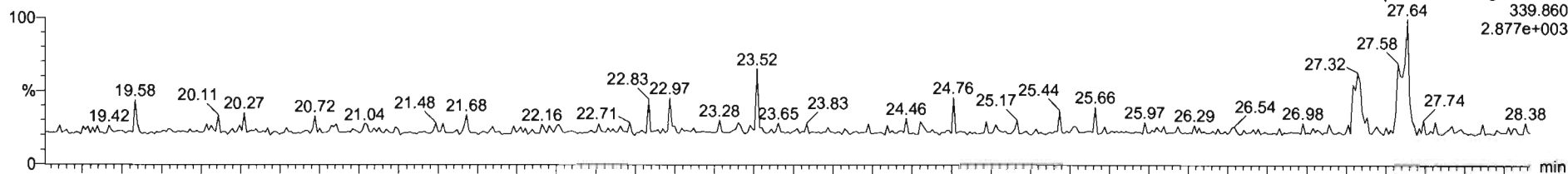
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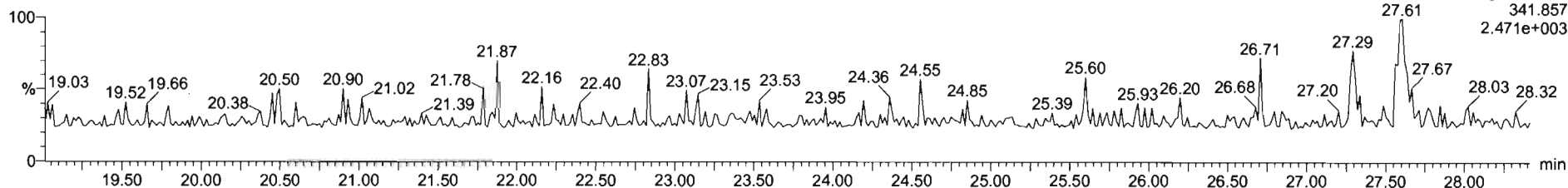
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200605R1_5

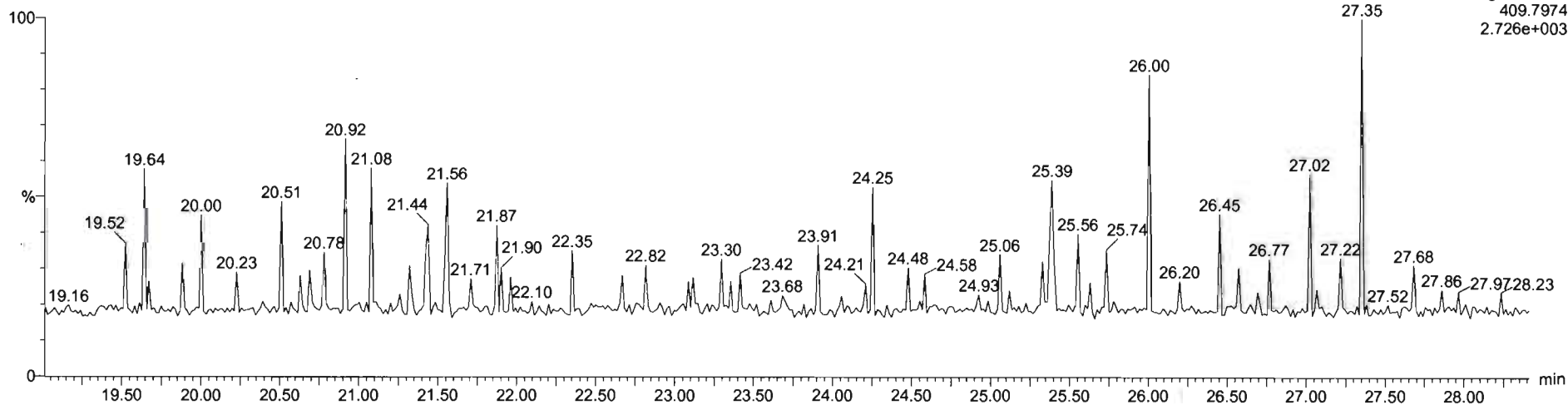


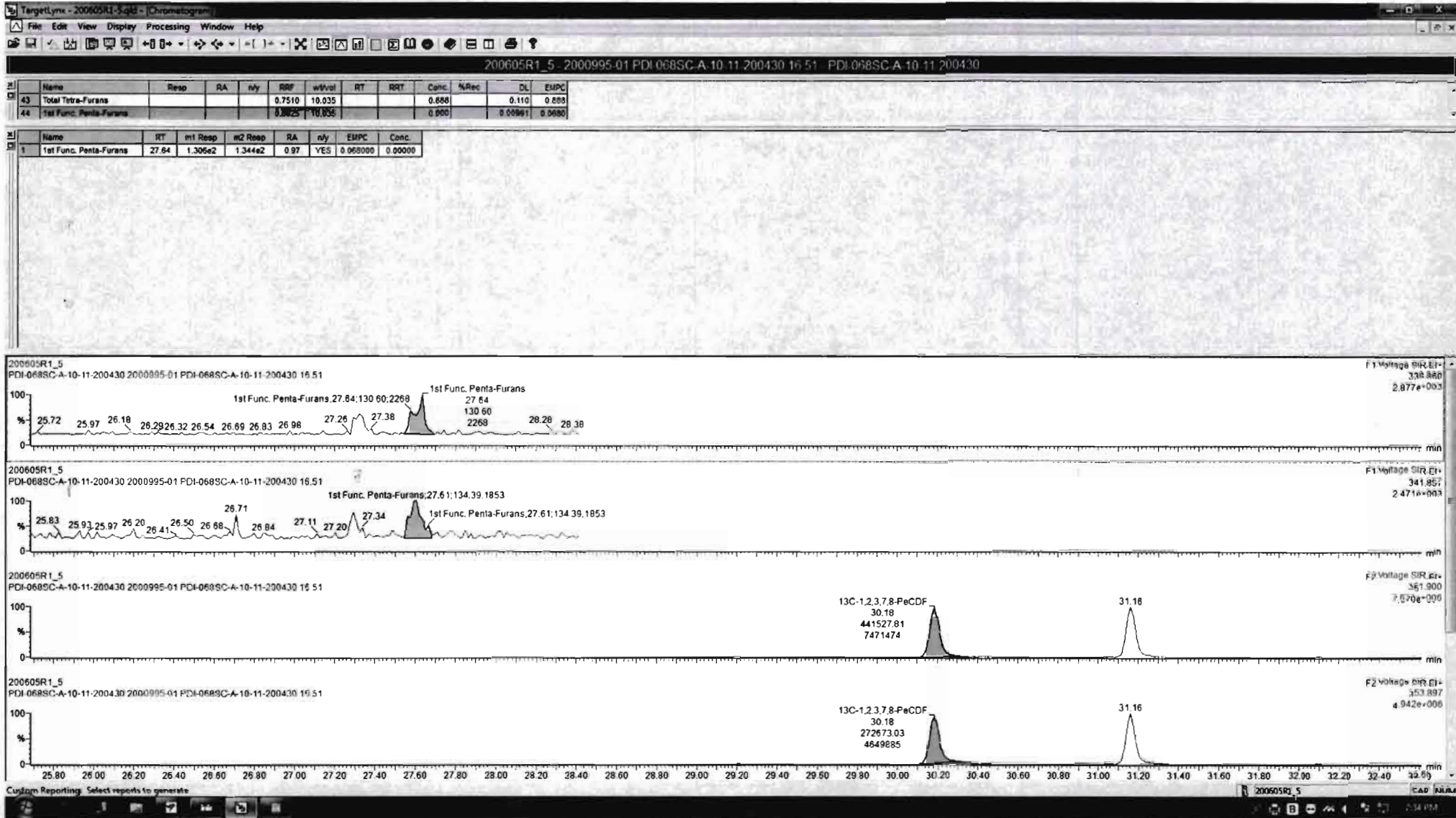
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DPE6

200605R1_5



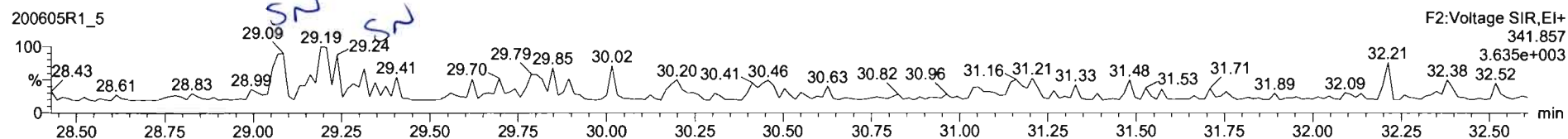
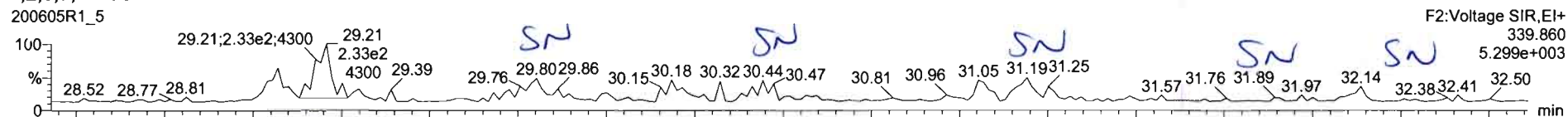


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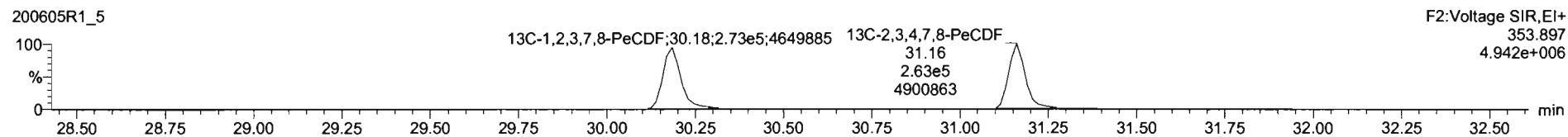
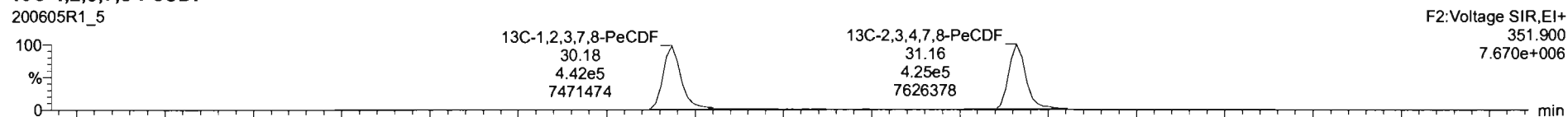
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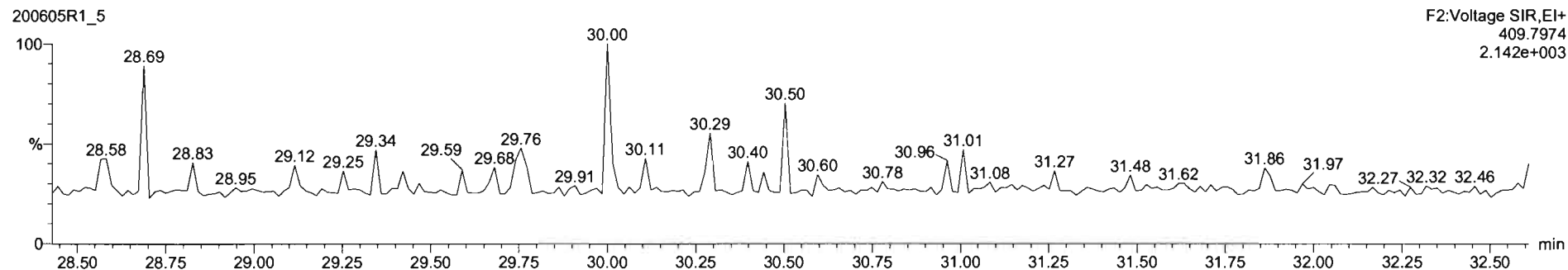
1,2,3,7,8-PeCDF



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



DPE2

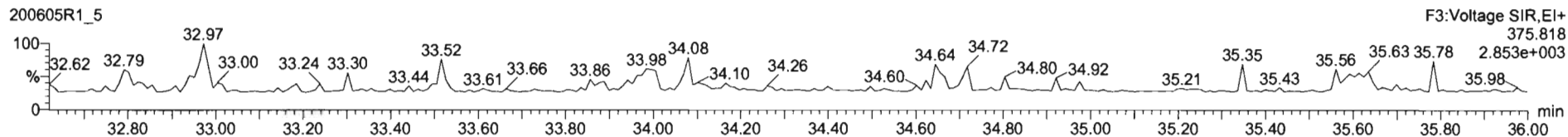
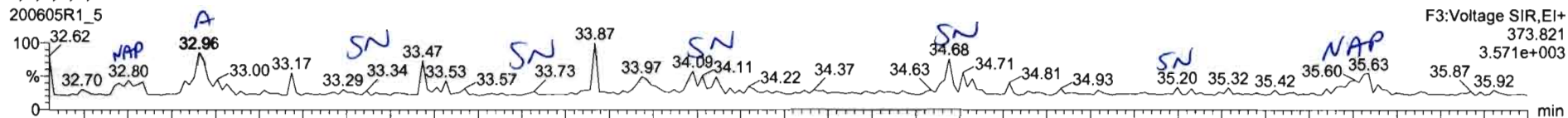


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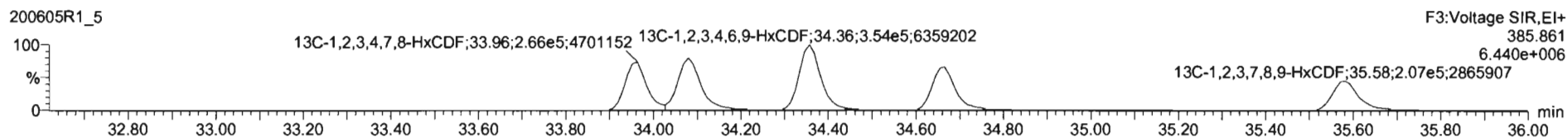
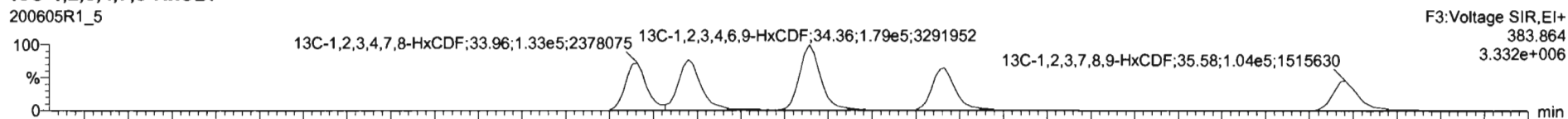
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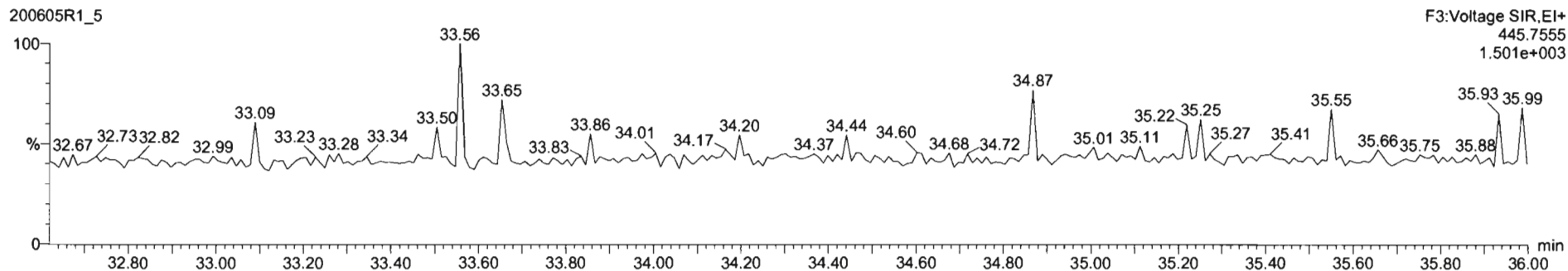
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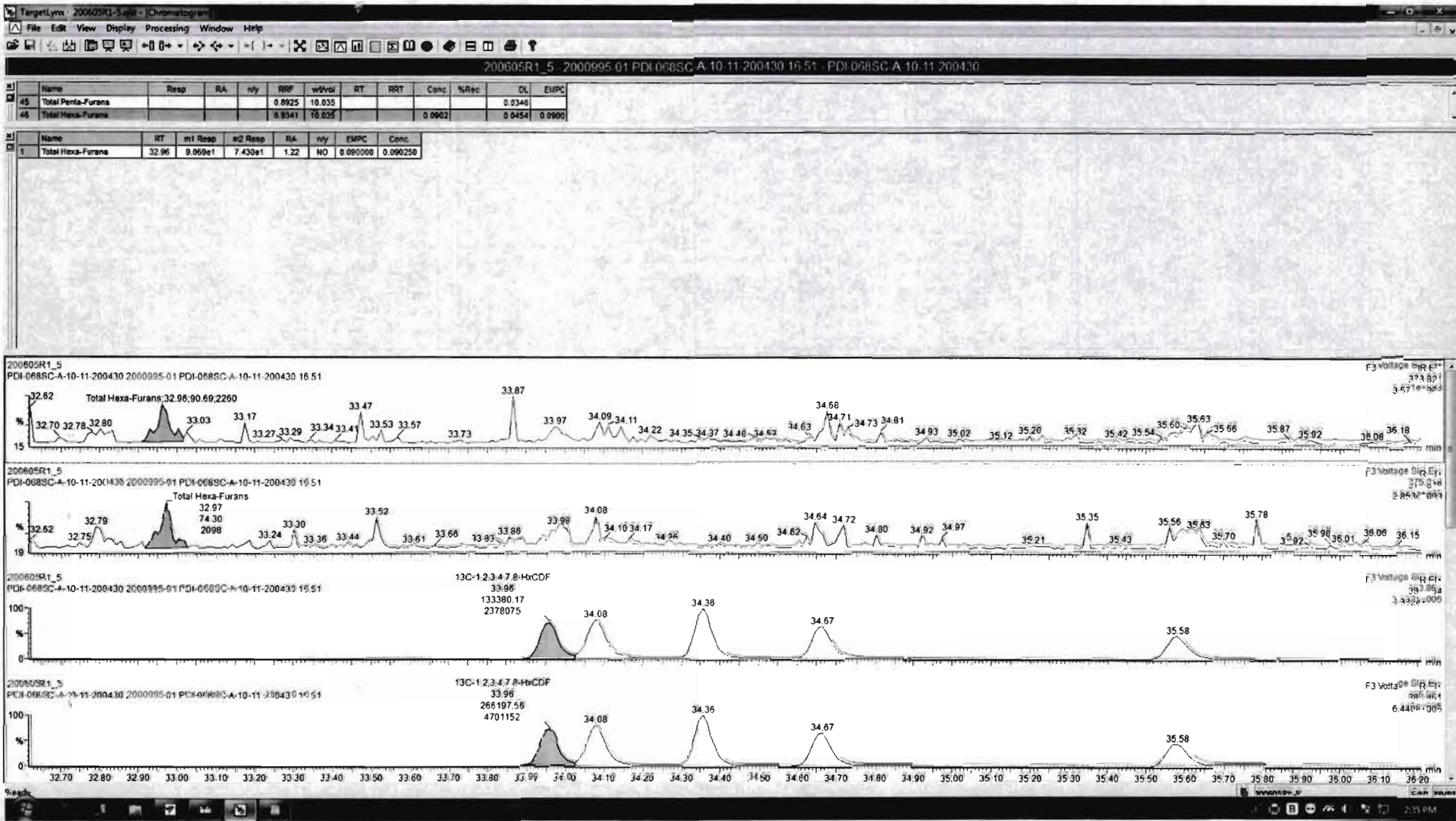


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DPE3





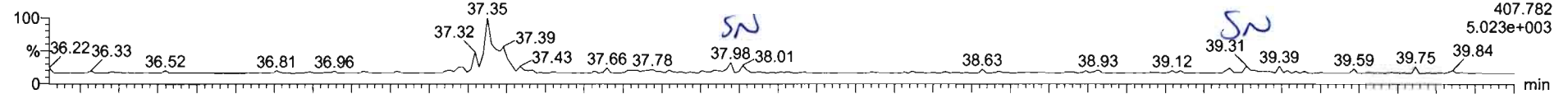
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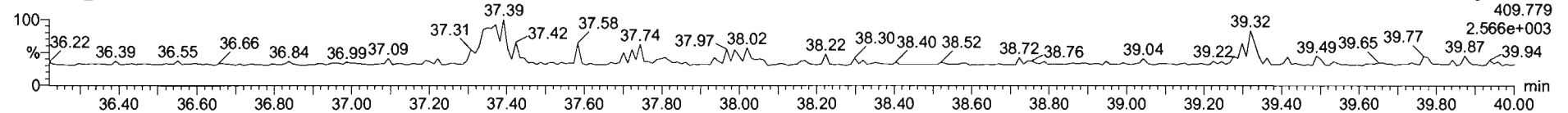
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1,2,3,4,6,7,8-HpCDF

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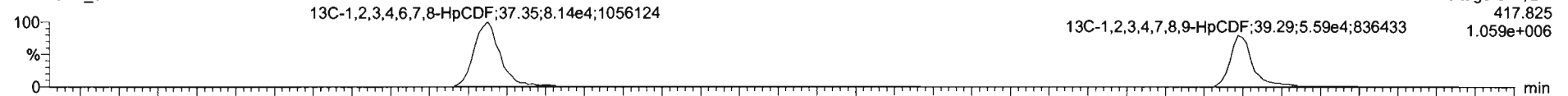


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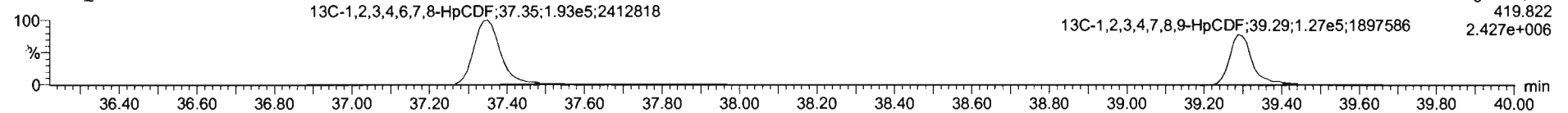


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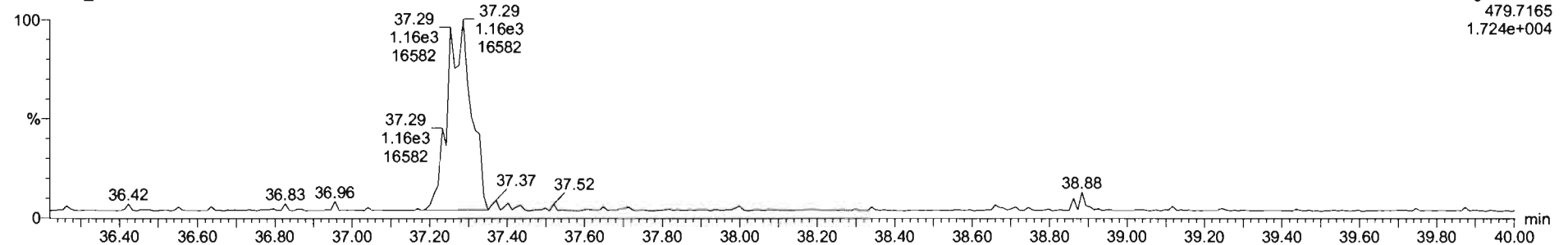


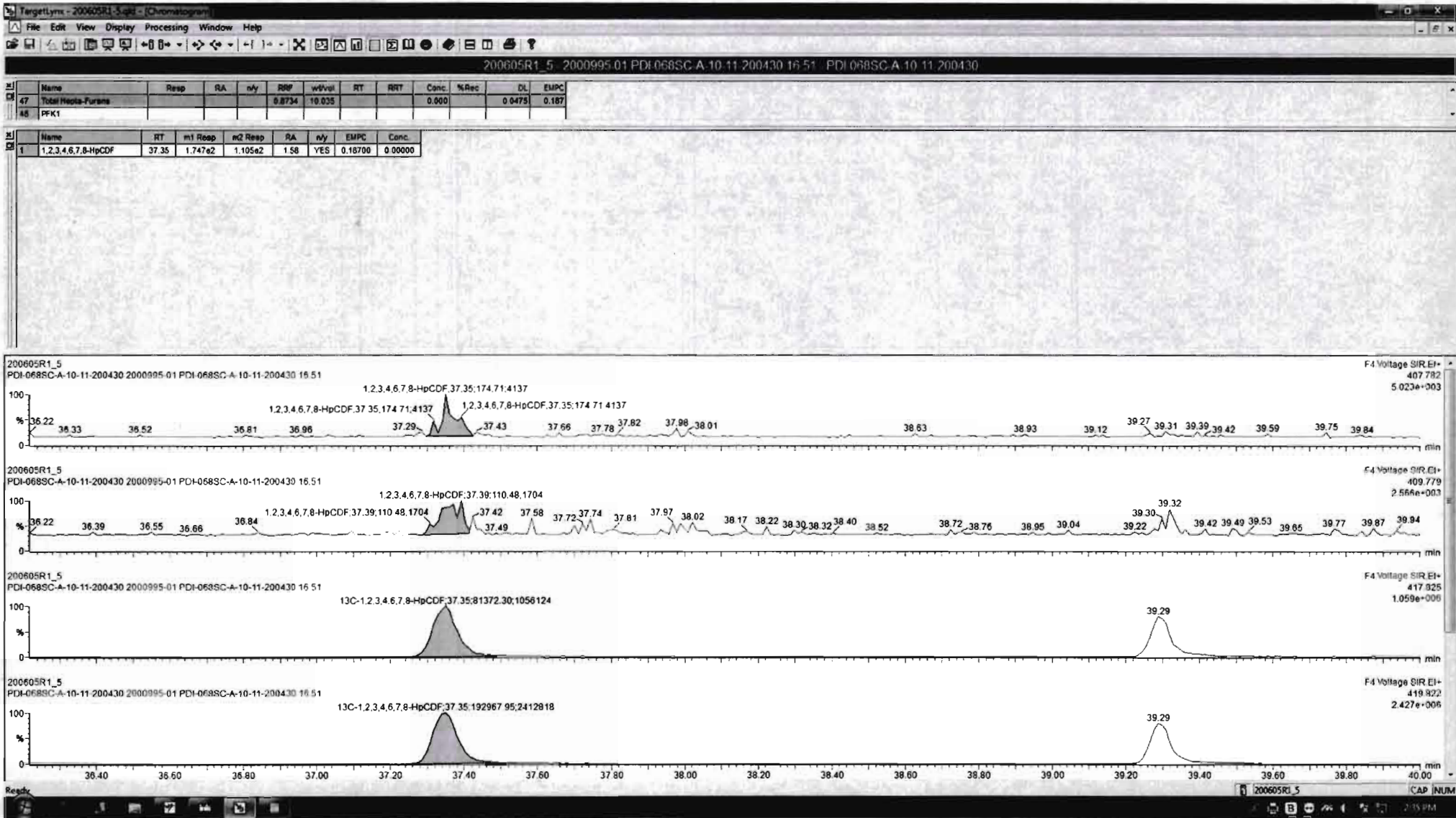
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DPE4

200605R1_5

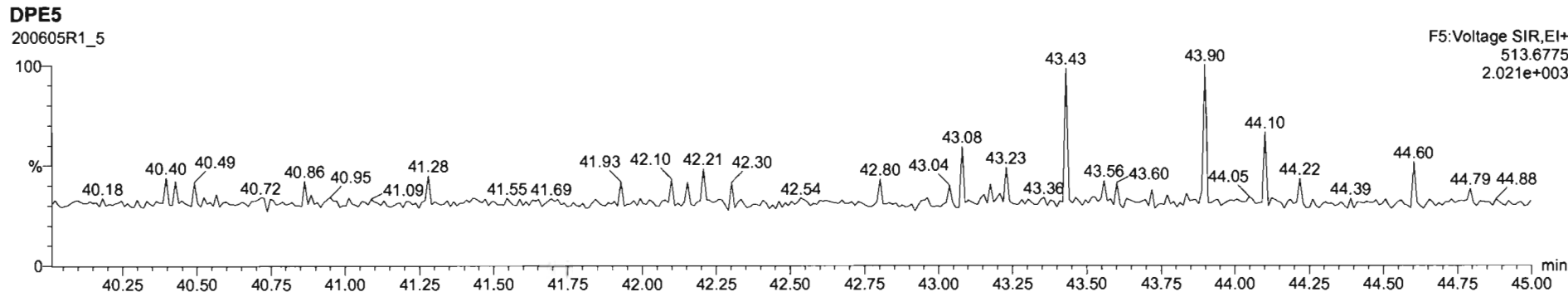
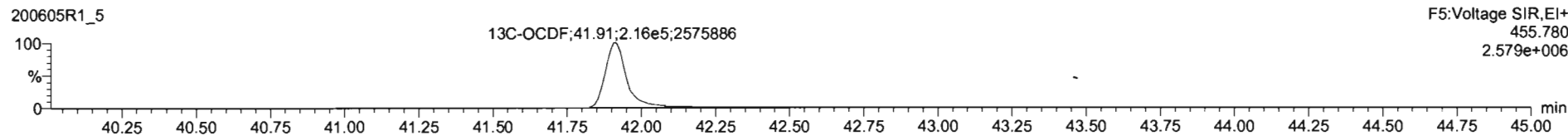
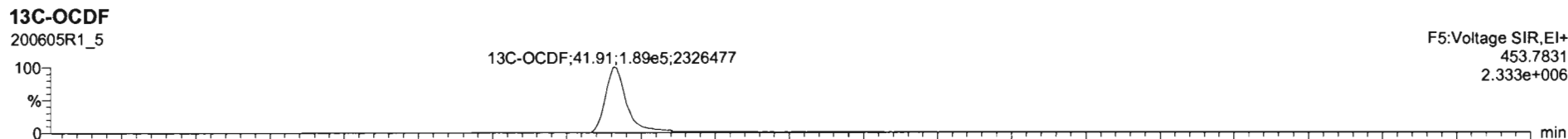
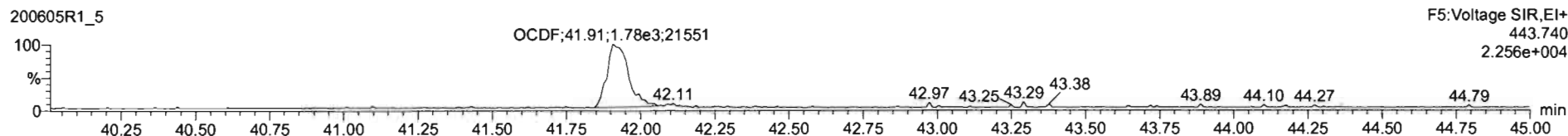
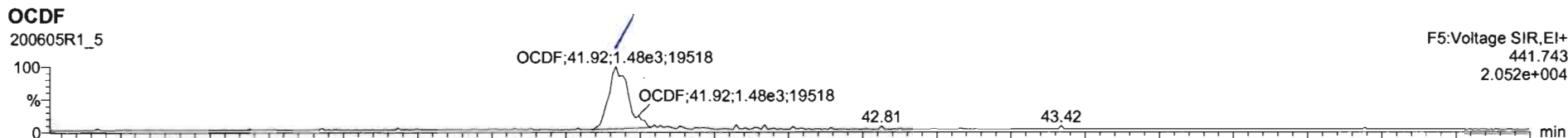




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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

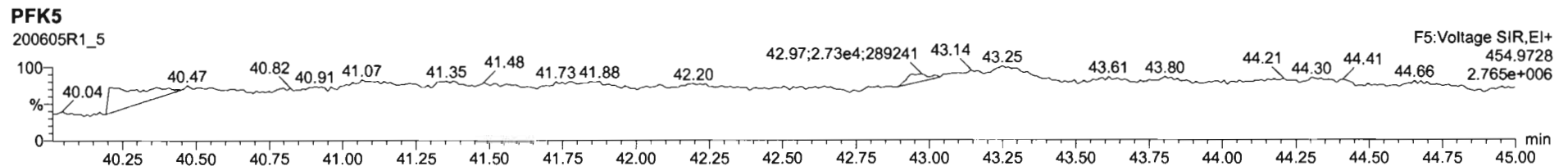
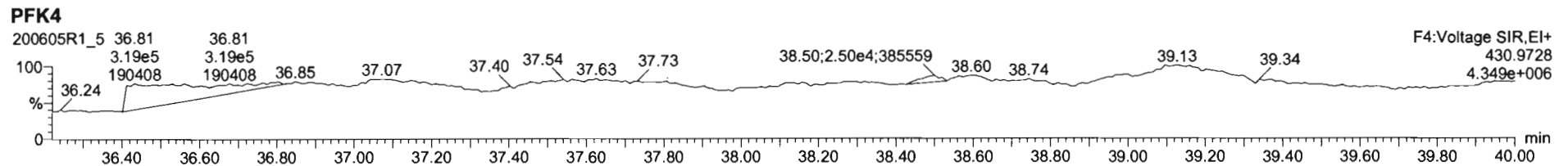
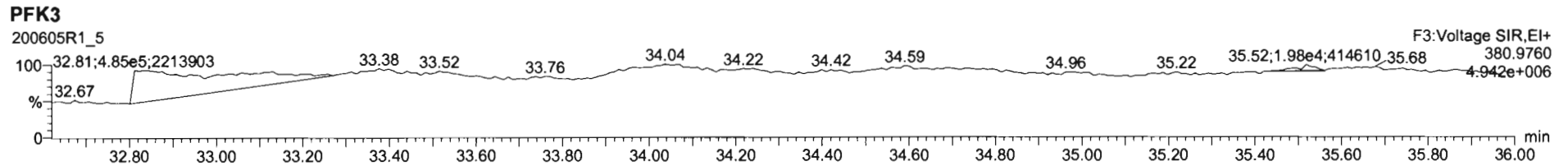
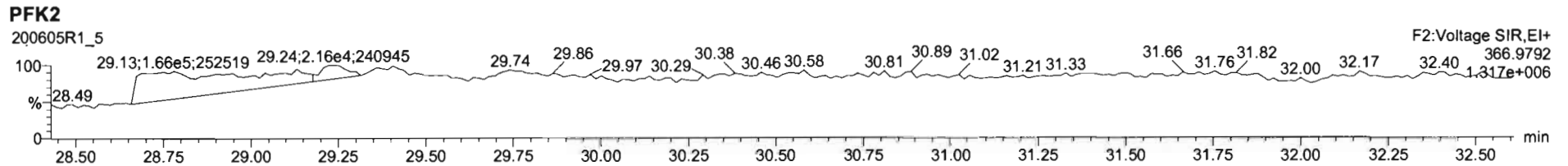
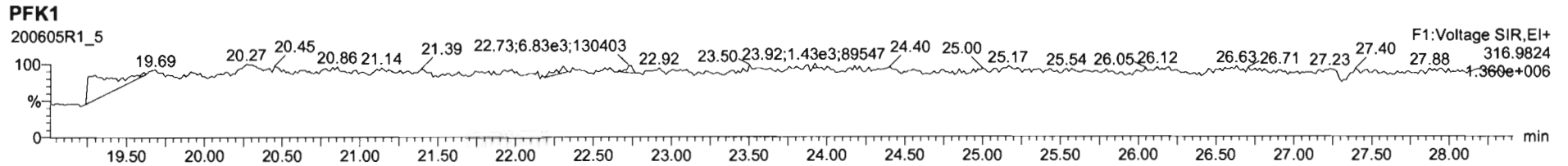
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Last Altered: Tuesday, June 09, 2020 13:39:22 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 13:40:05 Pacific Daylight Time

GFB 06/09/2020

C7 06/15/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R1_6, Date: 05-Jun-2020, Time: 13:45:26, ID: 2000995-02 PDI-068SC-A-11-12.3-200430 16.23, Description: PDI-068SC-A-11-12.3-200430

#	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	0.888	10.088	26.560		1.001				0.0901	
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.088	31.488		1.001				0.125	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.088	34.857		1.000				0.157	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.088	34.953		1.000				0.159	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.088	35.241		1.000				0.184	
6	6 1,2,3,4,6,7,8-HpCDD	1.01e3	1.03	NO	0.864	10.088	38.767	38.77	1.000	1.000	0.88458		0.225	0.885
7	7 OCDD	4.78e3	0.79	NO	0.914	10.088	41.727	41.74	1.000	1.000	5.0716		0.224	5.07
8	8 2,3,7,8-TCDF	6.19e2	0.88	NO	0.751	10.088	25.656	25.66	1.001	1.001	0.19175		0.0955	0.192
9	9 1,2,3,7,8-PeCDF			NO	0.893	10.088	30.220		1.001				0.0925	
10	10 2,3,4,7,8-PeCDF			NO	0.935	10.088	31.207		1.001				0.0889	
11	11 1,2,3,4,7,8-HxCDF			NO	0.884	10.088	33.963		1.000				0.0713	
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	10.088	34.100		1.000				0.0649	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.088	34.711		1.001				0.0742	
14	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.088	35.592		1.000				0.114	
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.873	10.088	37.397		1.001				0.0516	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.088	39.299		1.000				0.0573	
17	17 OCDF			NO	0.806	10.088	41.929		1.000				0.102	
18	18 13C-2,3,7,8-TCDD	6.77e5	0.77	NO	1.16	10.088	26.553	26.53	1.026	1.025	155.07	78.2	0.203	
19	19 13C-1,2,3,7,8-PeCDD	4.97e5	0.64	NO	0.849	10.088	31.748	31.47	1.227	1.216	155.04	78.2	0.347	
20	20 13C-1,2,3,4,7,8-HxCDD	3.44e5	1.28	NO	0.779	10.088	34.852	34.85	1.014	1.014	149.45	75.4	0.769	
21	21 13C-1,2,3,6,7,8-HxCDD	4.23e5	1.30	NO	1.02	10.088	34.965	34.95	1.017	1.017	140.75	71.0	0.589	
22	22 13C-1,2,3,7,8,9-HxCDD	3.70e5	1.25	NO	0.903	10.088	35.236	35.23	1.025	1.025	138.68	69.9	0.664	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.61e5	1.07	NO	0.689	10.088	38.763	38.76	1.128	1.128	128.44	64.8	0.335	
24	24 13C-OCDD	4.09e5	0.89	NO	0.652	10.088	41.787	41.73	1.216	1.214	212.26	53.5	0.446	
25	25 13C-2,3,7,8-TCDF	8.53e5	0.76	NO	1.06	10.088	25.593	25.63	0.989	0.991	147.16	74.2	0.397	
26	26 13C-1,2,3,7,8-PeCDF	7.62e5	1.60	NO	0.838	10.088	30.128	30.20	1.165	1.167	166.13	83.8	0.719	
27	27 13C-2,3,4,7,8-PeCDF	7.32e5	1.59	NO	0.817	10.088	31.083	31.18	1.202	1.205	163.88	82.7	0.738	
28	28 13C-1,2,3,4,7,8-HxCDF	4.38e5	0.50	NO	1.01	10.088	33.982	33.96	0.989	0.988	147.21	74.2	0.641	
29	29 13C-1,2,3,6,7,8-HxCDF	5.25e5	0.51	NO	1.17	10.088	34.106	34.09	0.992	0.992	152.36	76.8	0.554	
30	30 13C-2,3,4,6,7,8-HxCDF	4.43e5	0.50	NO	1.02	10.088	34.680	34.68	1.009	1.009	146.80	74.0	0.632	
31	31 13C-1,2,3,7,8,9-HxCDF	3.69e5	0.50	NO	0.860	10.088	35.580	35.59	1.035	1.036	145.19	73.2	0.752	

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-6.qld

Last Altered: Tuesday, June 09, 2020 13:39:22 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 13:40:05 Pacific Daylight Time

Name: 200605R1_6, Date: 05-Jun-2020, Time: 13:45:26, ID: 2000995-02 PDI-068SC-A-11-12.3-200430 16.23, Description: PDI-068SC-A-11-12.3-200430

#	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	3.03e5	0.40	NO	0.774	10.088	37.329	37.36	1.086	1.087	132.31	66.7	0.572	
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.05e5	0.41	NO	0.521	10.088	39.361	39.30	1.145	1.144	133.06	67.1	0.850	
34	34 13C-OCDF	4.61e5	0.83	NO	0.746	10.088	41.959	41.93	1.221	1.220	209.19	52.8	0.457	
35	35 37Cl-2,3,7,8-TCDD	2.41e5			1.04	10.088	26.584	26.54	1.028	1.026	61.516	77.6	0.0509	
36	36 13C-1,2,3,4-TCDD	7.48e5	0.80	NO	1.00	10.088	25.890	25.87	1.000	1.000	198.26	100	0.235	
37	37 13C-1,2,3,4-TCDF	1.09e6	0.78	NO	1.00	10.088	24.360	24.19	1.000	1.000	198.26	100	0.420	
38	38 13C-1,2,3,4,6,9-HxCDF	5.86e5	0.51	NO	1.00	10.088	34.420	34.37	1.000	1.000	198.26	100	0.646	
39	39 Total Tetra-Dioxins				0.888	10.088	24.620		0.000		0.54361		0.0901	0.778
40	40 Total Penta-Dioxins				0.908	10.088	29.960		0.000		0.33889		0.0529	0.339
41	41 Total Hexa-Dioxins				0.892	10.088	33.635		0.000		1.3932		0.174	1.39
42	42 Total Hepta-Dioxins				0.864	10.088	37.640		0.000		2.2845		0.225	2.28
43	43 Total Tetra-Furans				0.751	10.088	23.610		0.000		1.0788		0.0955	1.39
44	44 1st Func. Penta-Furans				0.893	10.088	27.580		0.000		0.12174		0.0126	0.122
45	45 Total Penta-Furans				0.893	10.088	29.275		0.000		0.00000		0.0579	0.210
46	46 Total Hexa-Furans				0.934	10.088	33.555		0.000		0.059803		0.0330	0.0837
47	47 Total Hepta-Furans				0.873	10.088	37.835		0.000				0.0280	

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-6.qld

Last Altered: Tuesday, June 09, 2020 13:39:22 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 13:40:05 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R1_6, Date: 05-Jun-2020, Time: 13:45:26, ID: 2000995-02 PDI-068SC-A-11-12.3-200430 16.23, Description: PDI-068SC-A-11-12.3-200430

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.55	5.309e3	5.235e3	2.927e2	4.195e2	0.70	NO	0.000e0	0.00000	0.23485	0.0901
2	Total Tetra-Dioxins	22.98	3.415e3	5.208e3	3.092e2	4.618e2	0.67	NO	7.710e2	0.25424	0.25424	0.0901
3	Total Tetra-Dioxins	24.37	4.270e3	6.449e3	3.564e2	5.211e2	0.68	NO	8.776e2	0.28937	0.28937	0.0901

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.25	3.920e3	3.809e3	1.782e2	2.862e2	0.62	NO	4.645e2	0.20411	0.20411	0.0529
2	Total Penta-Dioxins	29.73	1.885e3	3.919e3	1.128e2	1.939e2	0.58	NO	3.067e2	0.13479	0.13479	0.0529

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.37	1.427e4	9.589e3	7.678e2	5.422e2	1.42	NO	1.310e3	0.76846	0.76846	0.174
2	Total Hexa-Dioxins	33.91	5.018e3	2.792e3	1.793e2	1.376e2	1.30	NO	3.169e2	0.18589	0.18589	0.174
3	Total Hexa-Dioxins	34.17	6.700e3	5.501e3	4.152e2	3.328e2	1.25	NO	7.480e2	0.43881	0.43881	0.174

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.76	1.031e4	1.124e4	8.220e2	7.729e2	1.06	NO	1.595e3	1.3999	1.3999	0.225
2	1,2,3,4,6,7,8-HpCDD	38.77	8.914e3	7.103e3	5.109e2	4.969e2	1.03	NO	1.008e3	0.88458	0.88458	0.225

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-6.qld

Last Altered: Tuesday, June 09, 2020 13:39:22 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 13:40:05 Pacific Daylight Time

Name: 200605R1_6, Date: 05-Jun-2020, Time: 13:45:26, ID: 2000995-02 PDI-068SC-A-11-12.3-200430 16.23, Description: PDI-068SC-A-11-12.3-200430

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.41	3.086e3	3.577e3	2.610e2	2.998e2	0.87	NO	0.000e0	0.00000	0.17357	0.0955
2	Total Tetra-Furans	21.54	9.578e3	1.259e4	8.287e2	1.122e3	0.74	NO	1.951e3	0.60397	0.60397	0.0955
3	Total Tetra-Furans	24.72	4.216e3	2.976e3	2.334e2	2.556e2	0.91	YES	0.000e0	0.00000	0.14006	0.0955
4	Total Tetra-Furans	25.00	2.315e3	3.393e3	1.023e2	1.538e2	0.66	NO	2.561e2	0.079283	0.079283	0.0955
5	2,3,7,8-TCDF	25.66	4.742e3	4.667e3	2.904e2	3.291e2	0.88	NO	6.194e2	0.19175	0.19175	0.0955
6	Total Tetra-Furans	26.05	4.284e3	4.321e3	3.084e2	3.501e2	0.88	NO	6.585e2	0.20385	0.20385	0.0955

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	27.64	3.406e3	2.313e3	2.444e2	1.651e2	1.48	NO	4.094e2	0.12174	0.12174	0.0126

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.21	6.576e3	5.828e3	4.297e2	3.516e2	1.22	YES	0.000e0	0.00000	0.21019	0.0928

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.79	8.660e2	1.017e3	2.769e1	2.738e1	1.01	YES	0.000e0	0.00000	0.023924	0.0330
2	Total Hexa-Furans	32.96	1.517e3	1.111e3	7.299e1	5.204e1	1.40	NO	1.250e2	0.059803	0.059803	0.0330

Hepta-Furans

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

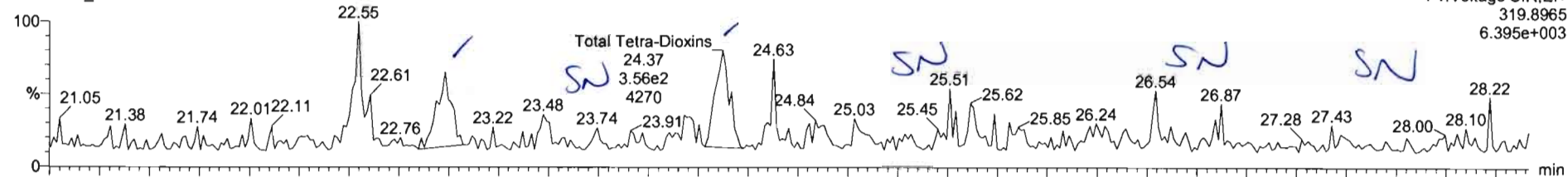
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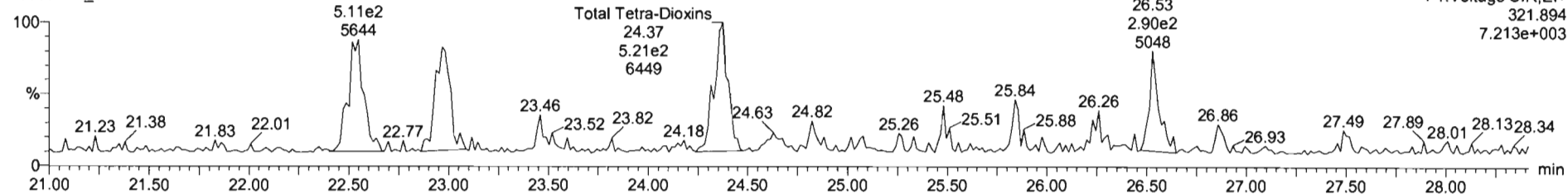
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2,3,7,8-TCDD

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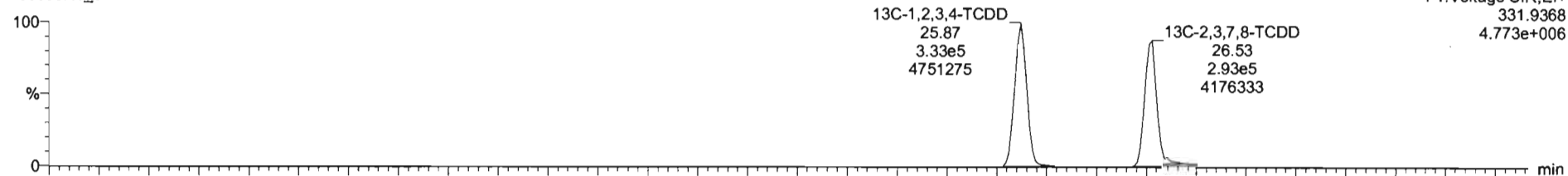


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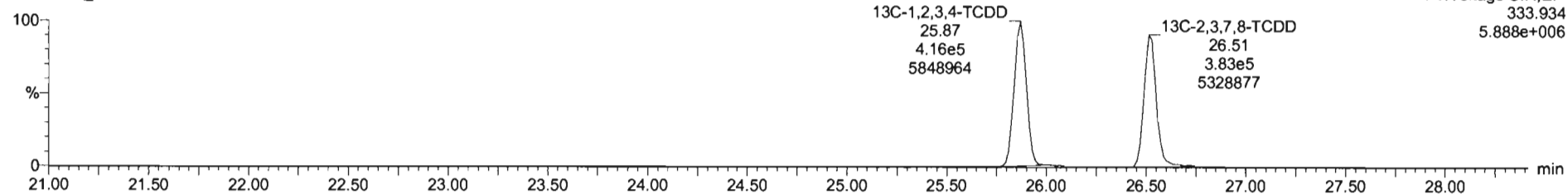


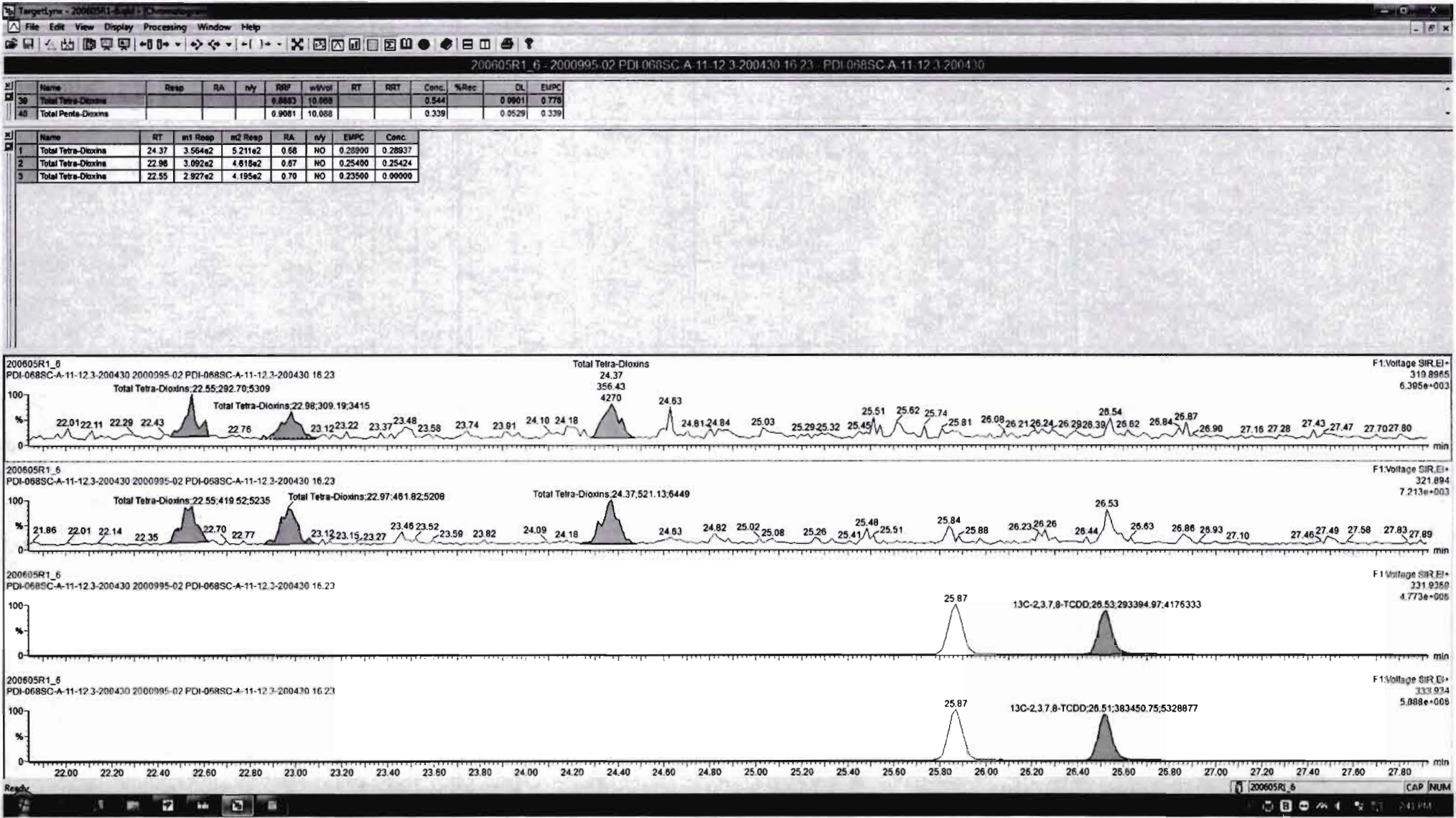
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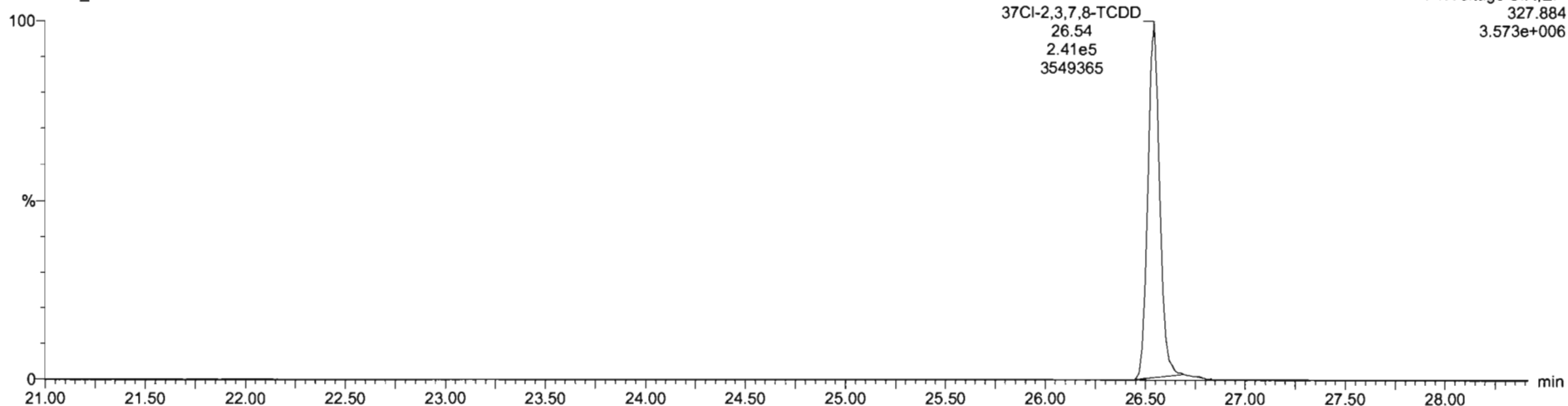
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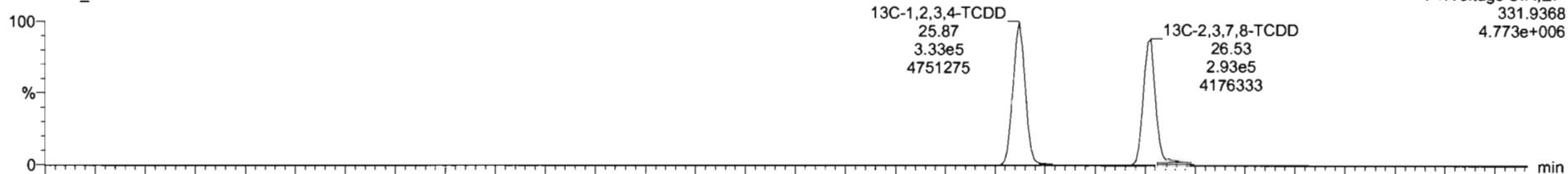
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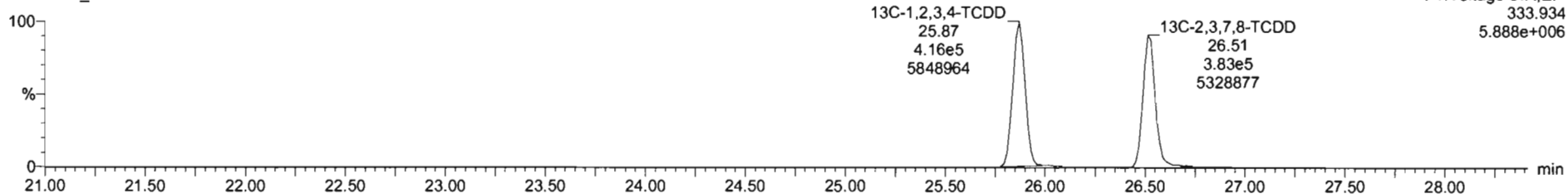


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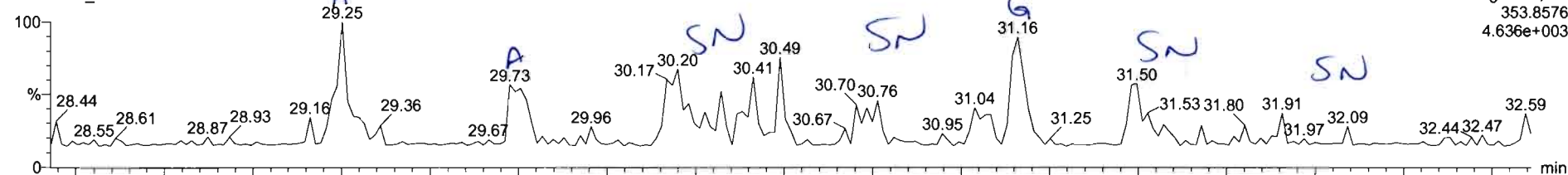
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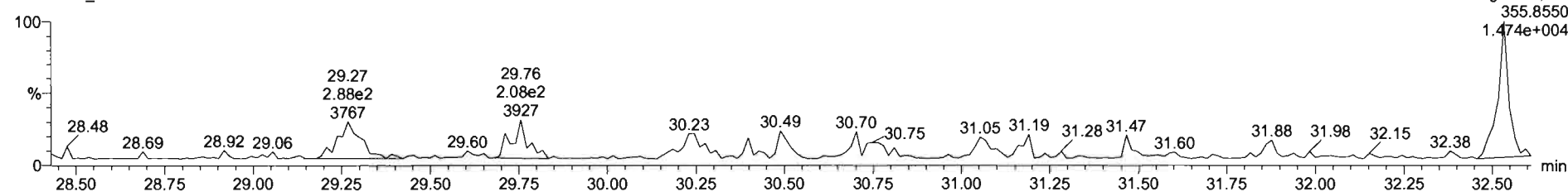
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1,2,3,7,8-PeCDD

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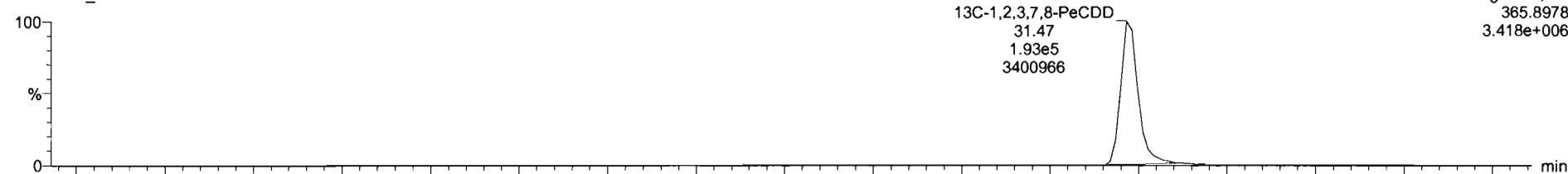


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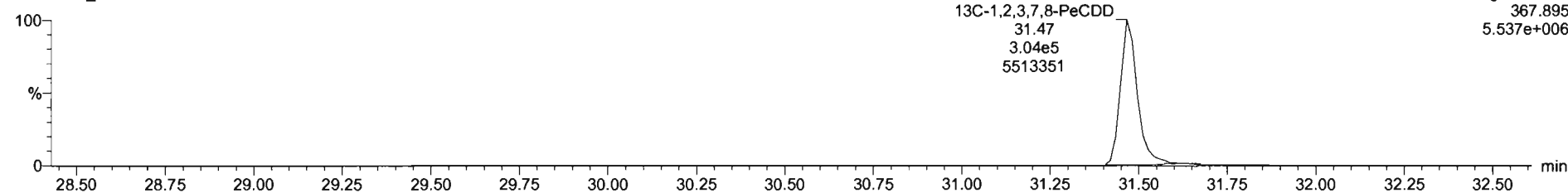


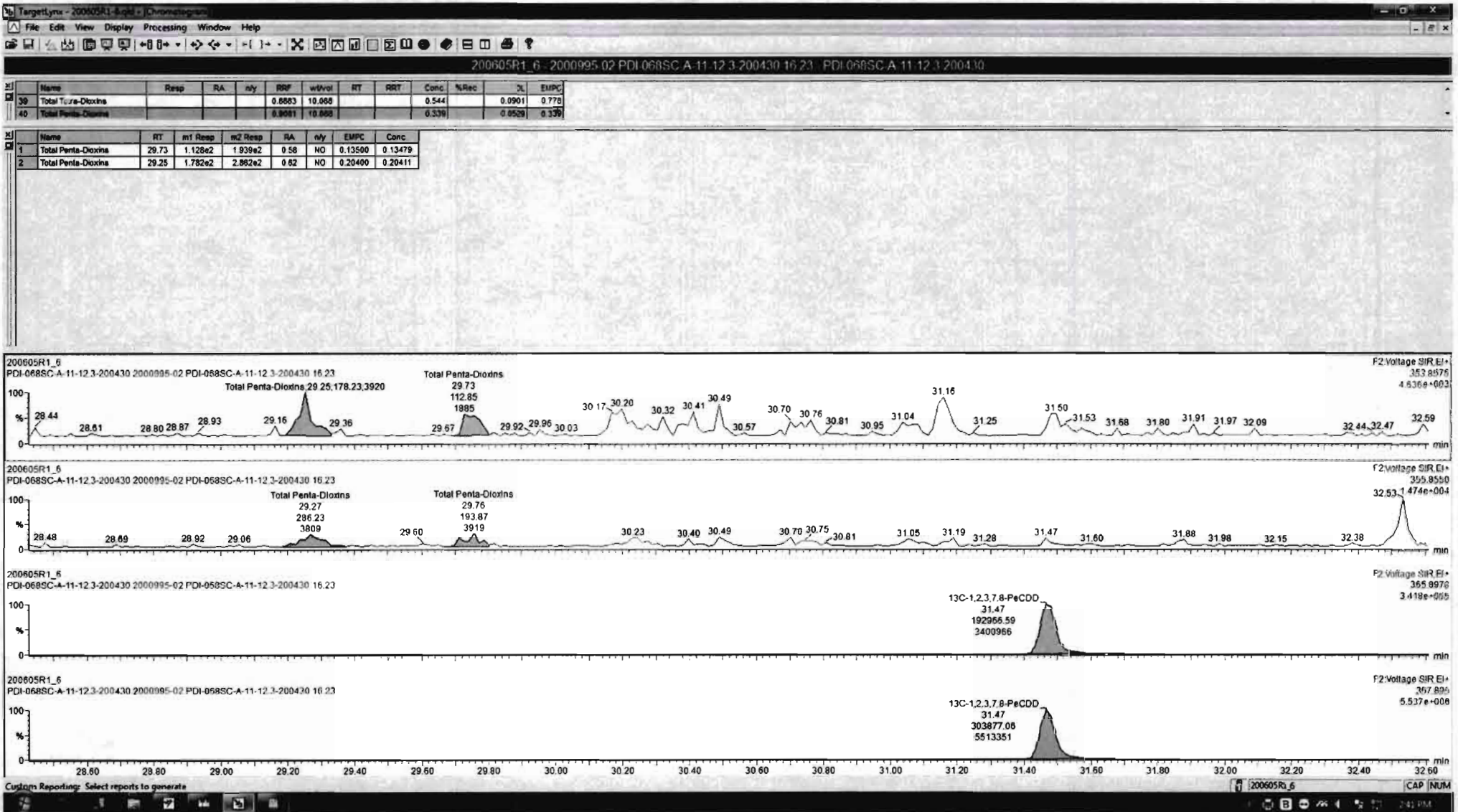
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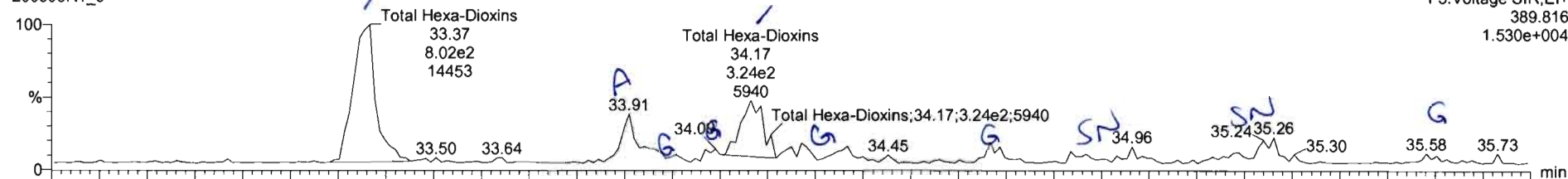
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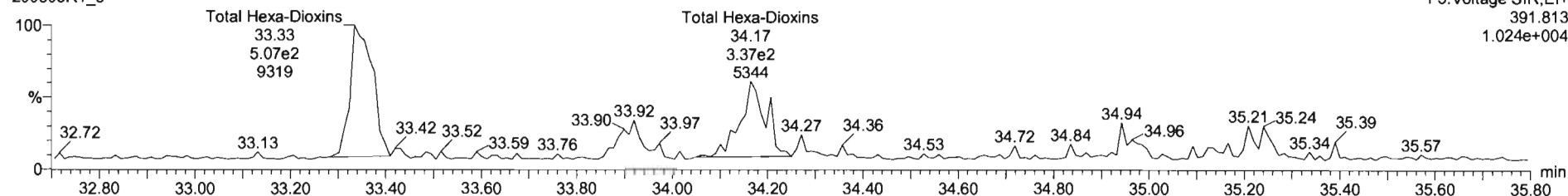
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200605R1_6



F3:Voltage SIR,EI+
389.816
1.530e+004

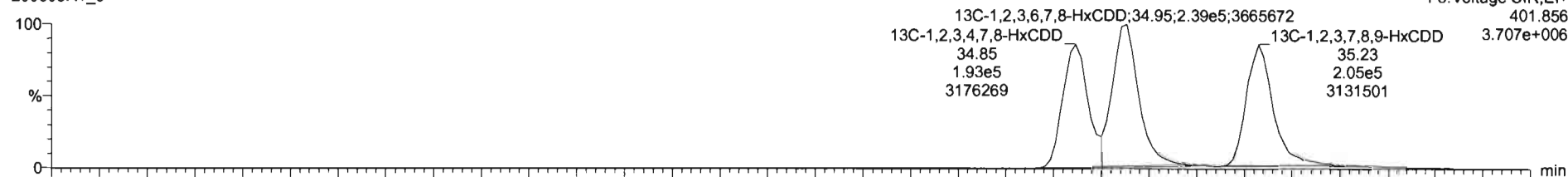
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F3:Voltage SIR,EI+
391.813
1.024e+004

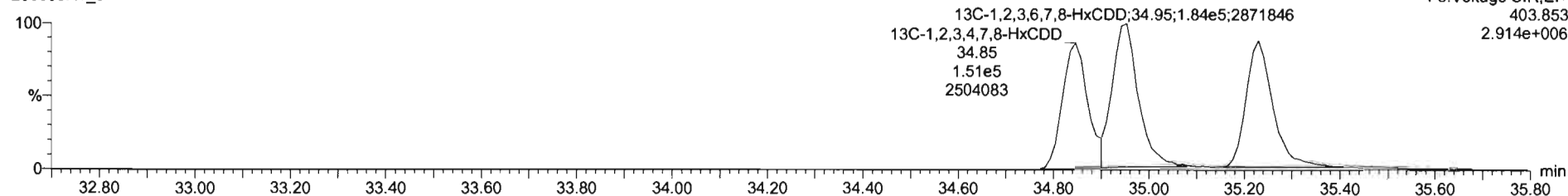
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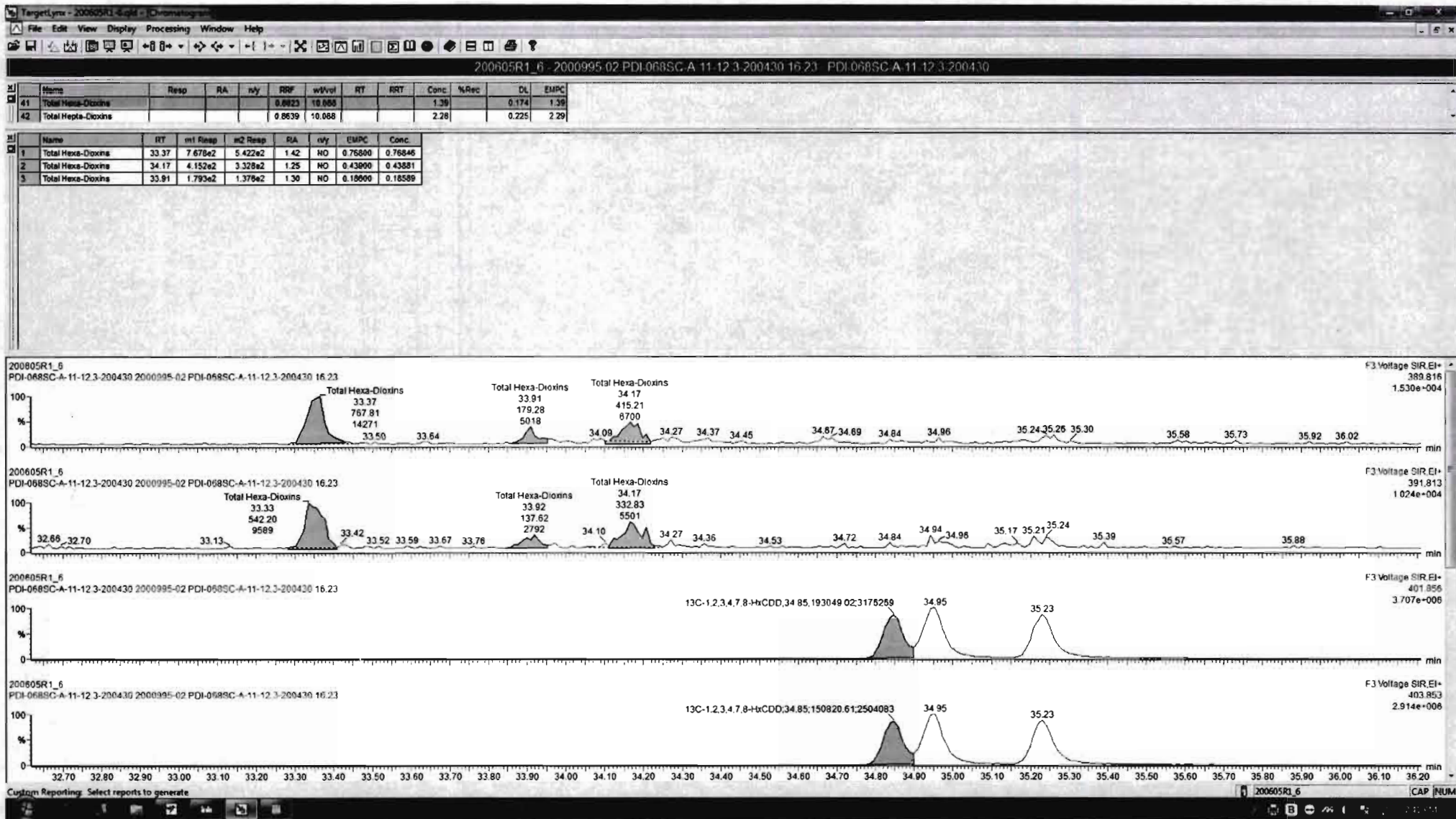


F3:Voltage SIR,EI+
401.856
3.707e+006

200605R1_6



F3:Voltage SIR,EI+
403.853
2.914e+006



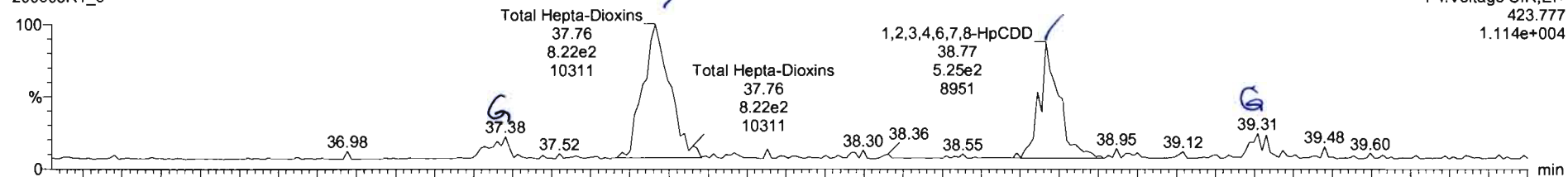
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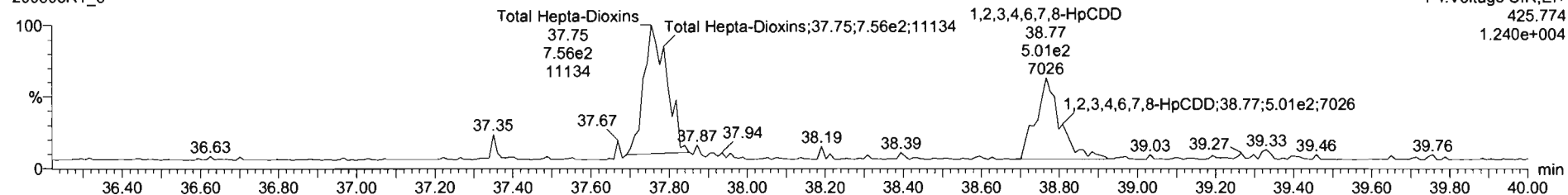
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1,2,3,4,6,7,8-HpCDD

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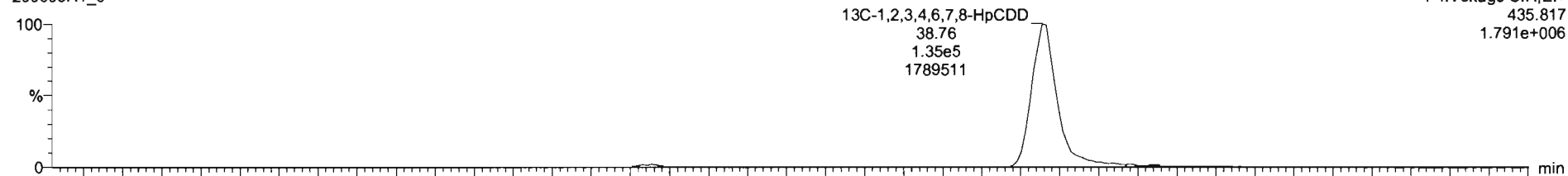


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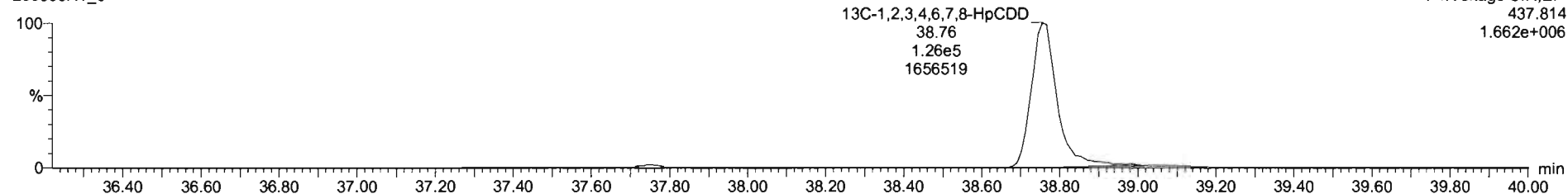


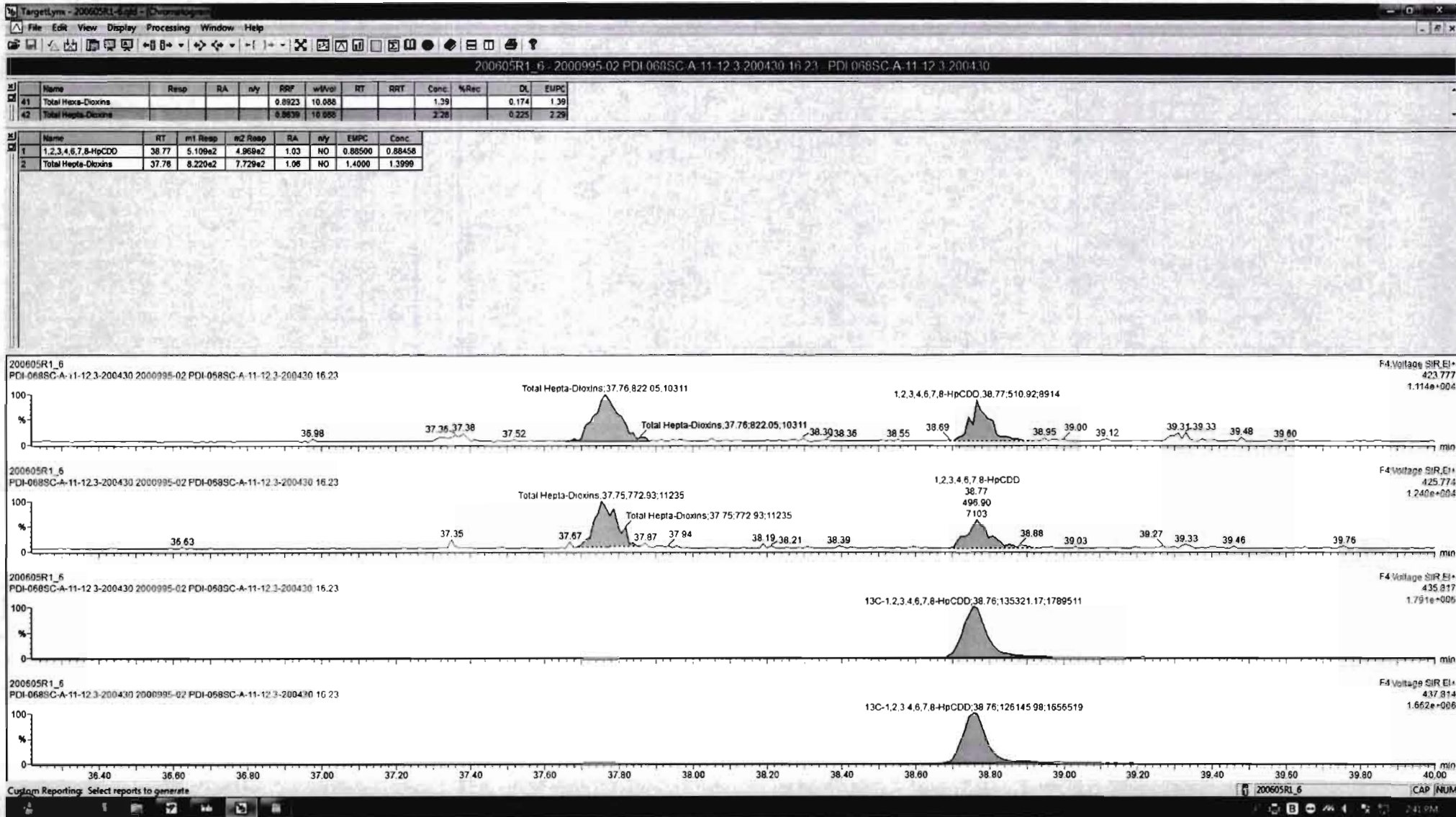
13C-1,2,3,4,6,7,8-HpCDD

200605R1_6



200605R1_6





Dataset: Untitled

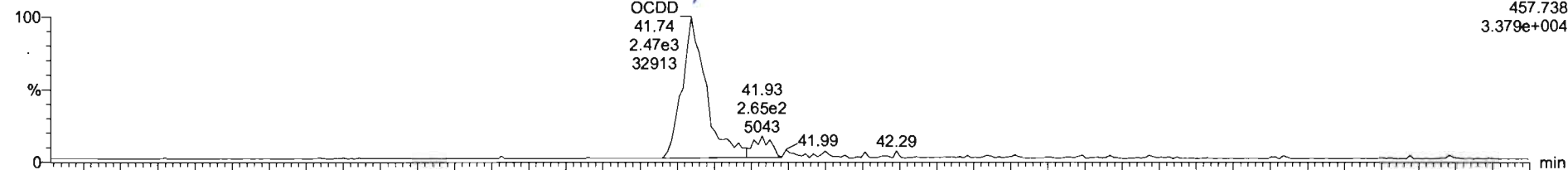
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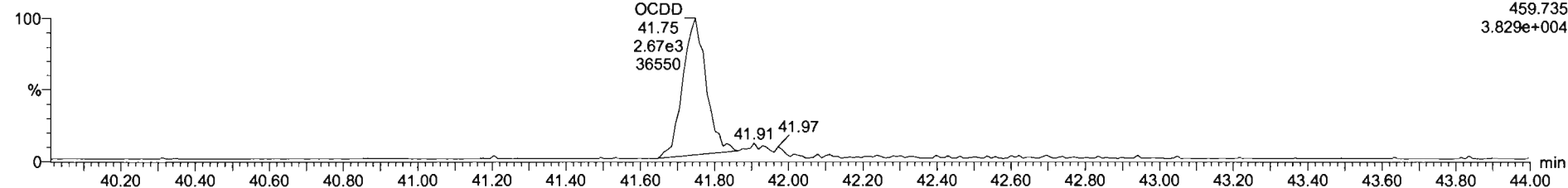
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OCDD

200605R1_6

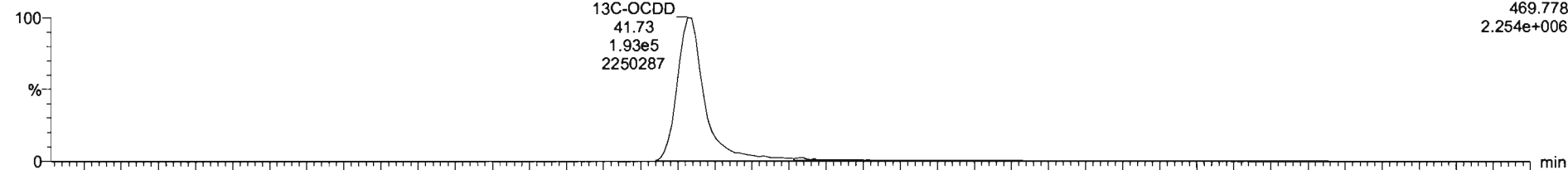


200605R1_6

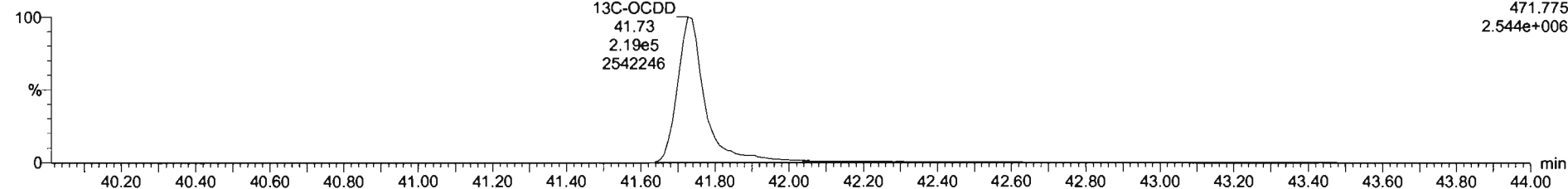


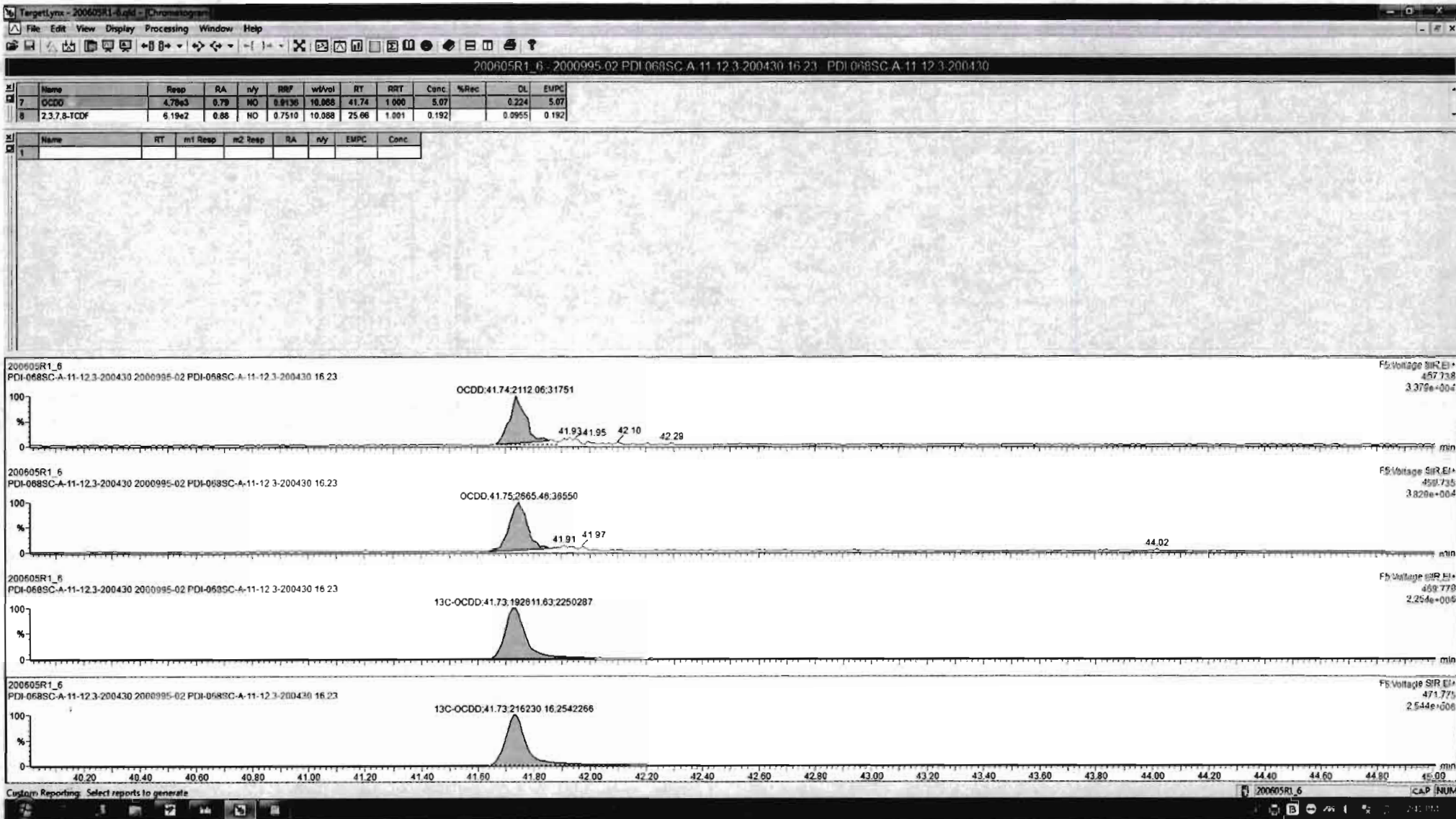
13C-OCDD

200605R1_6



200605R1_6



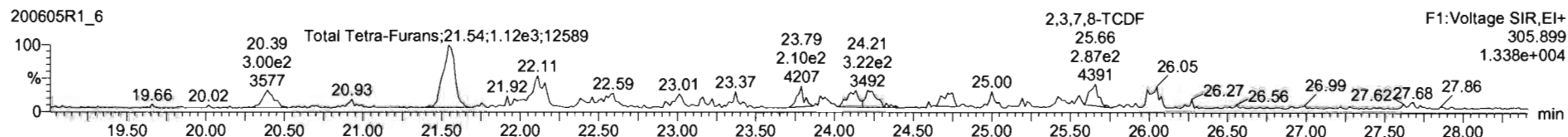
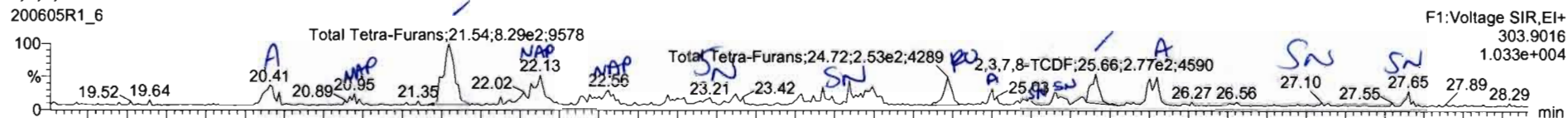


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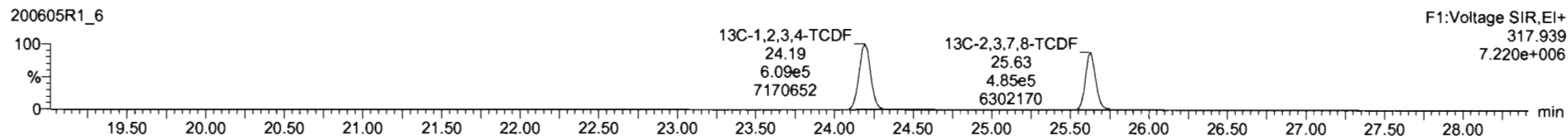
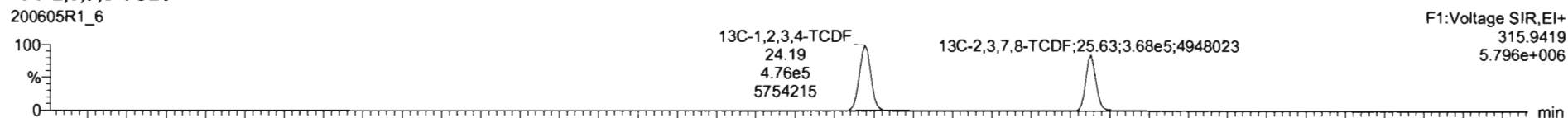
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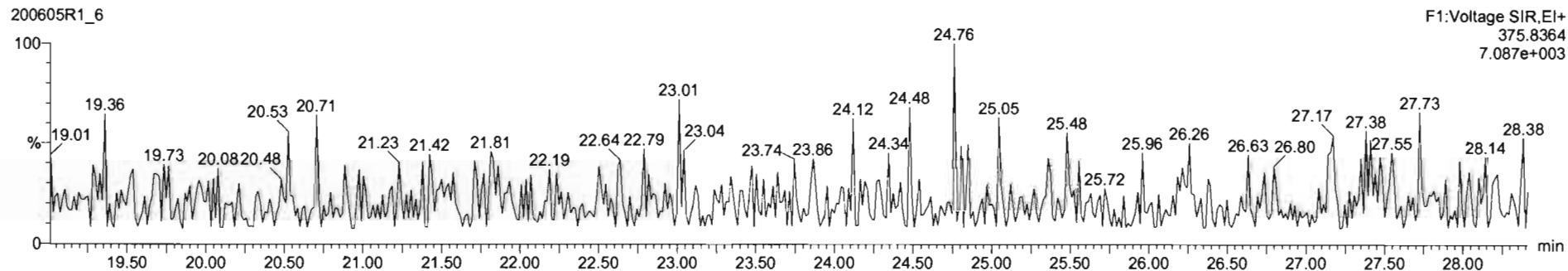
2,3,7,8-TCDF

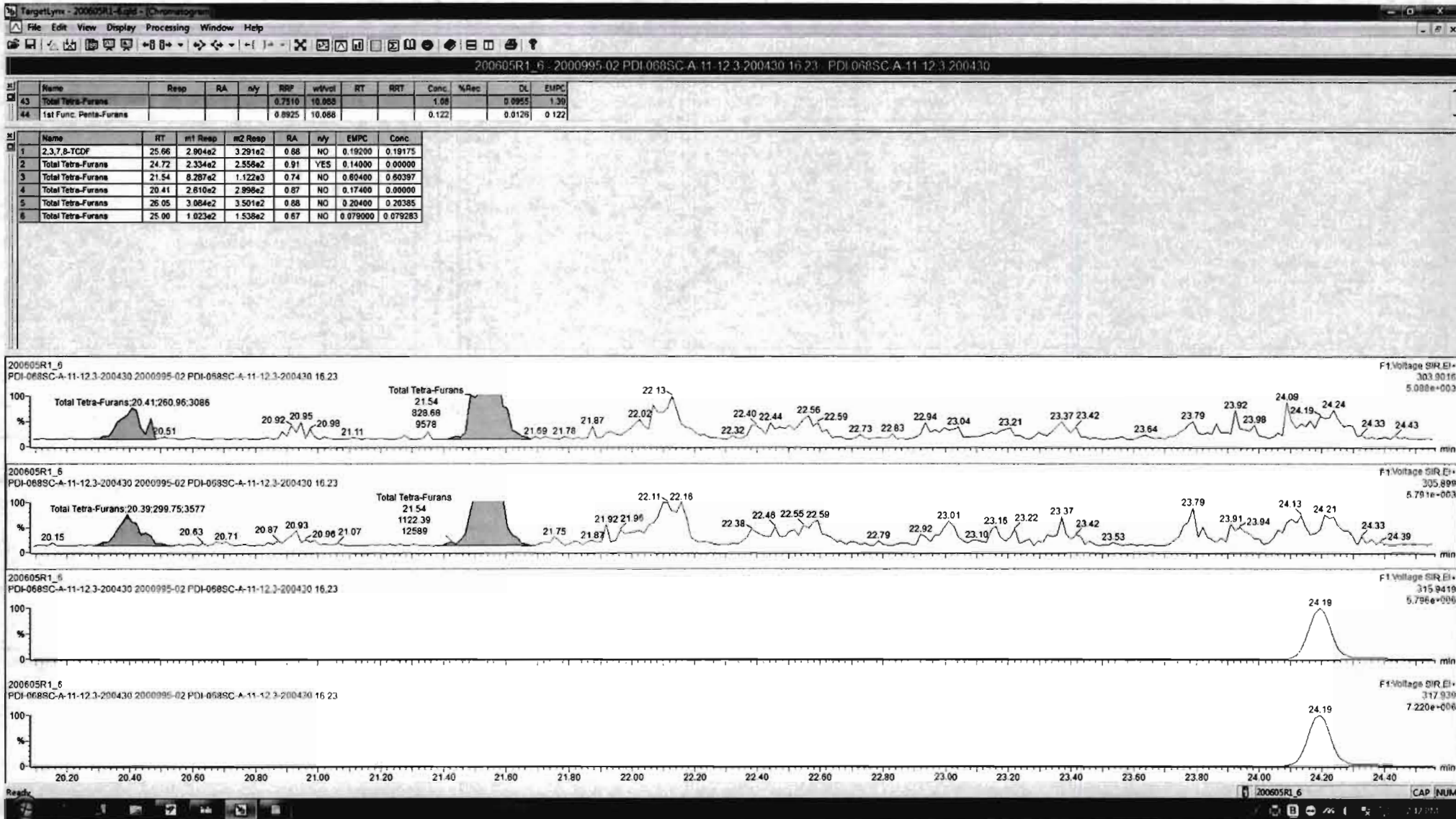


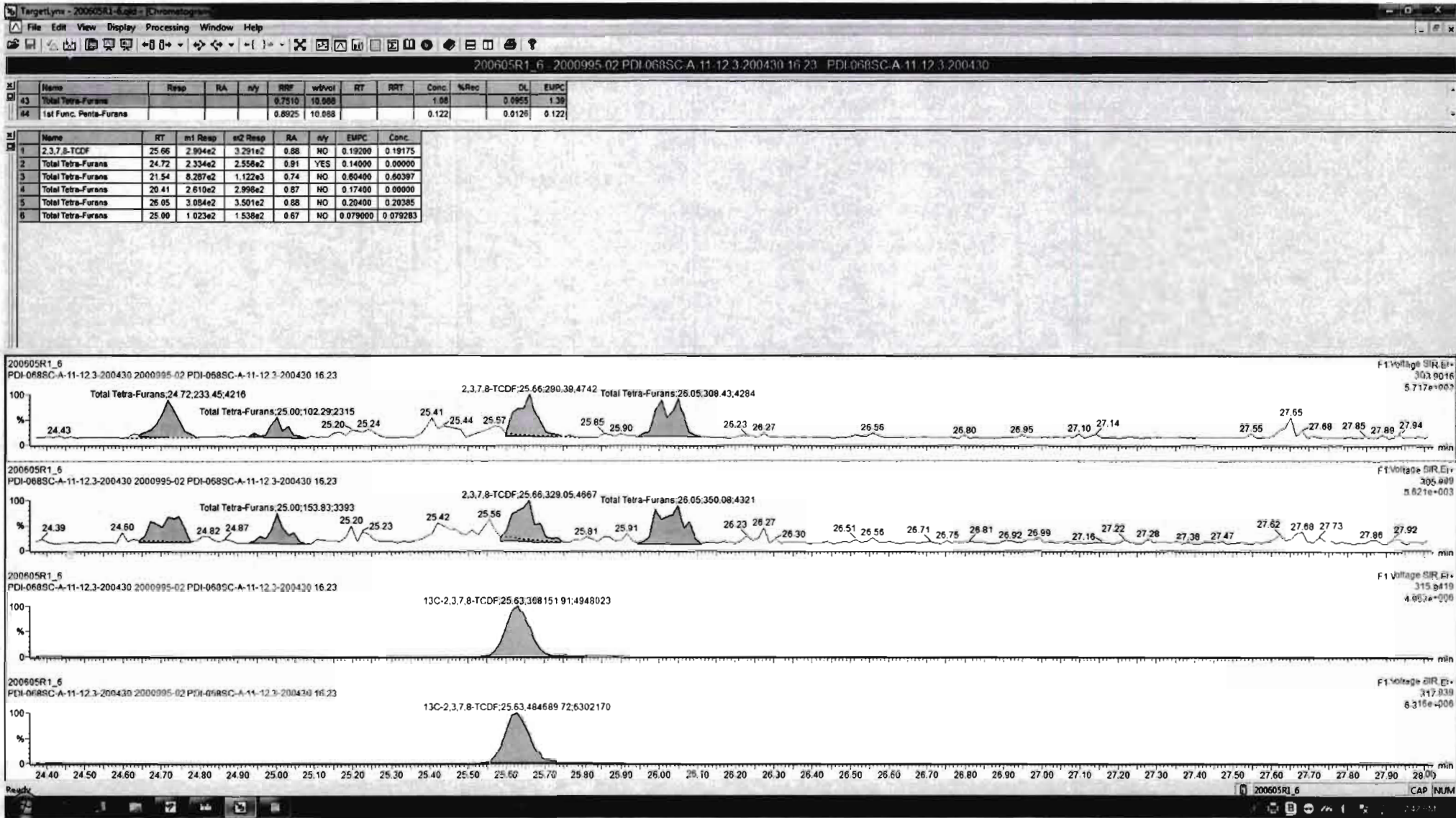
13C-2,3,7,8-TCDF



DPE1







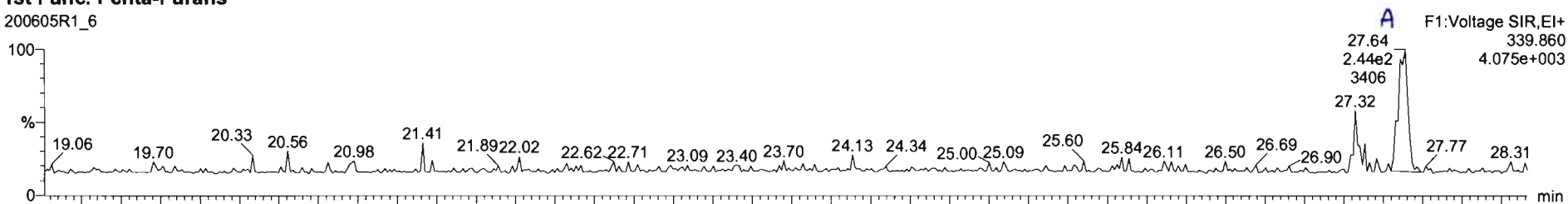
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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

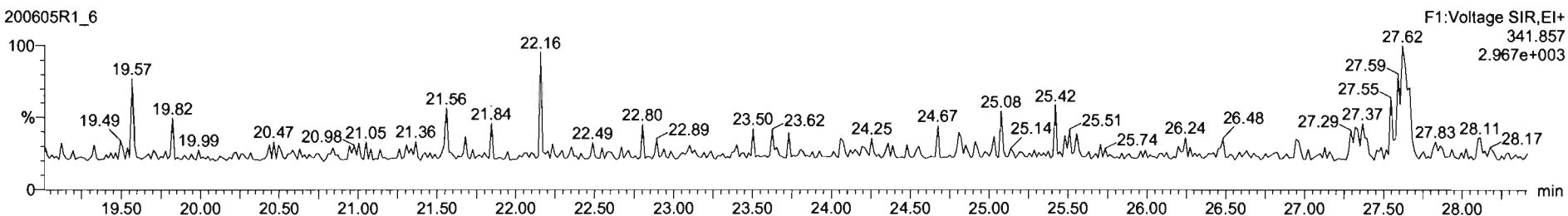
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1st Func. Penta-Furans

200605R1_6

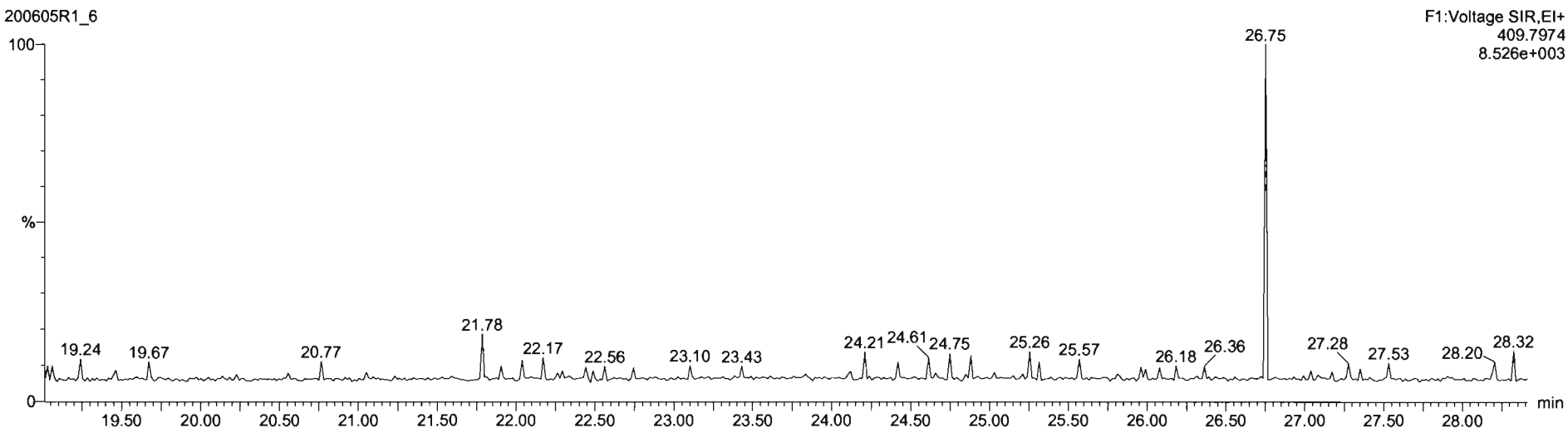


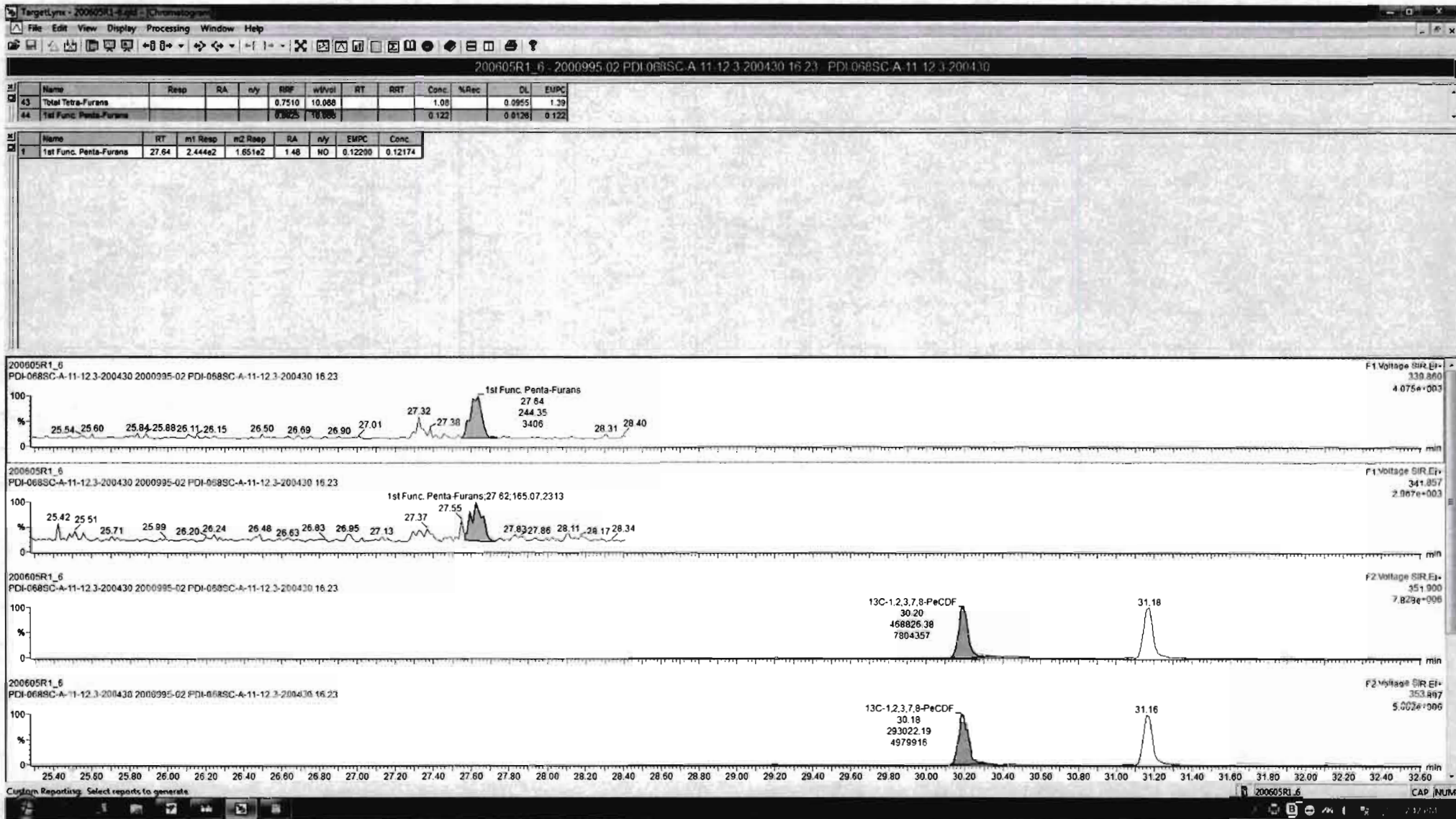
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DPE6

200605R1_6



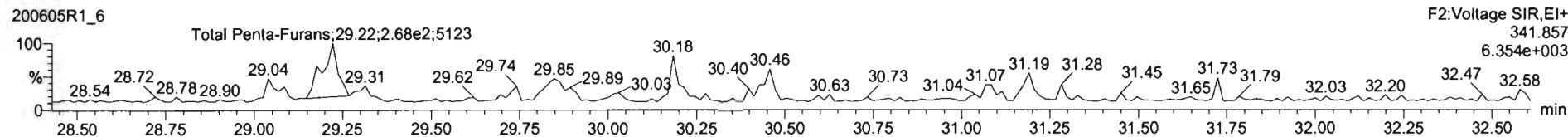
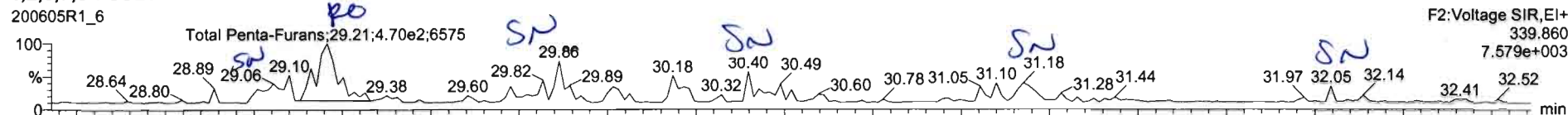


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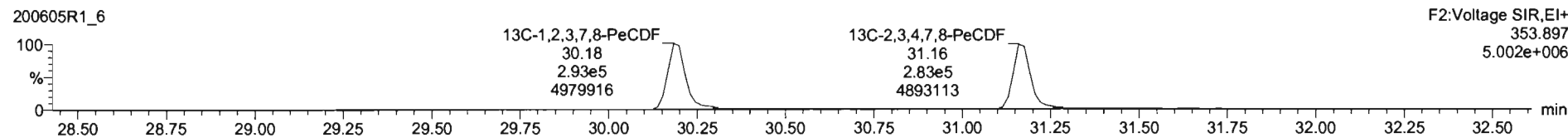
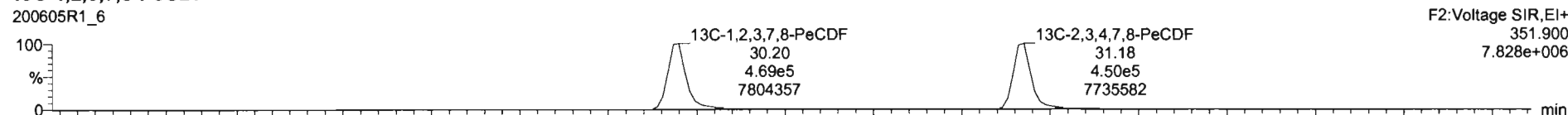
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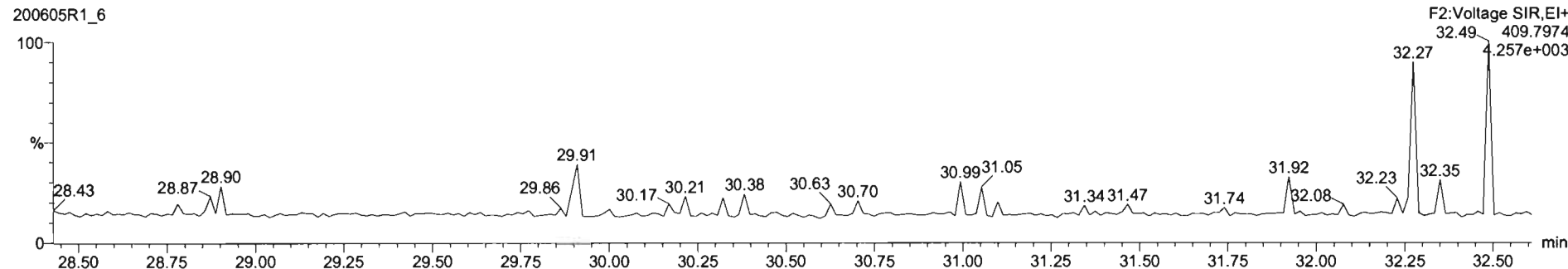
1,2,3,7,8-PeCDF

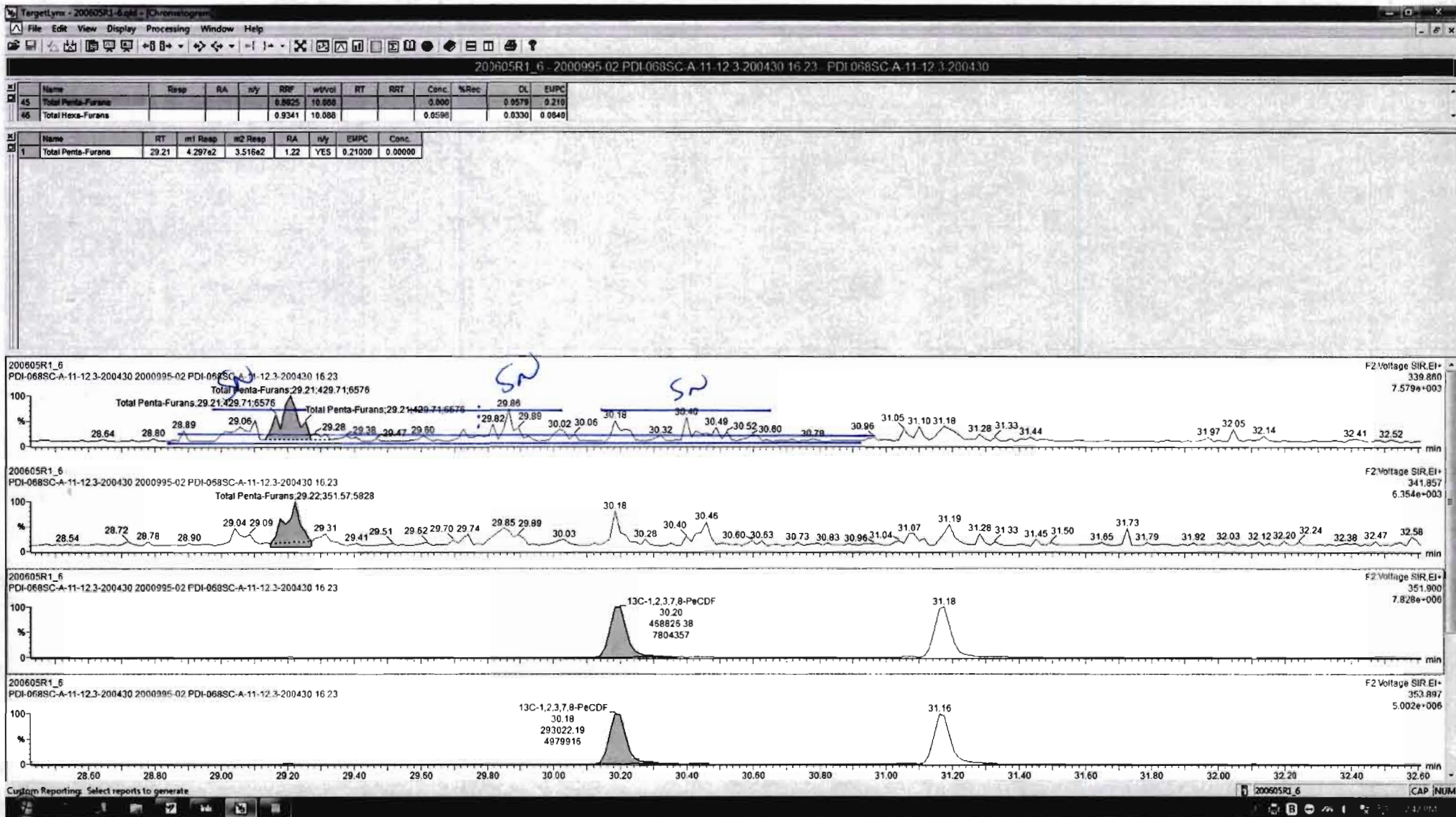


13C-1,2,3,7,8-PeCDF



DPE2



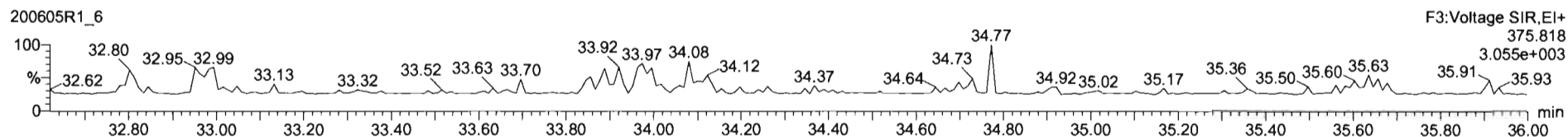
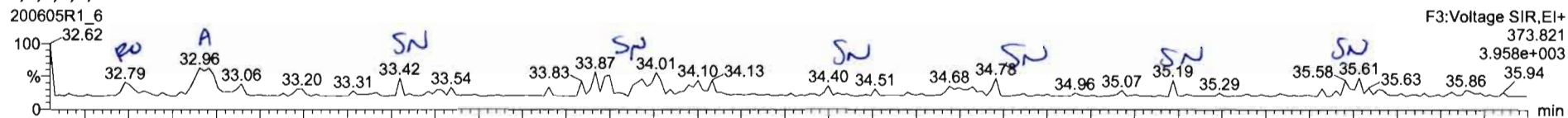


Dataset: Untitled

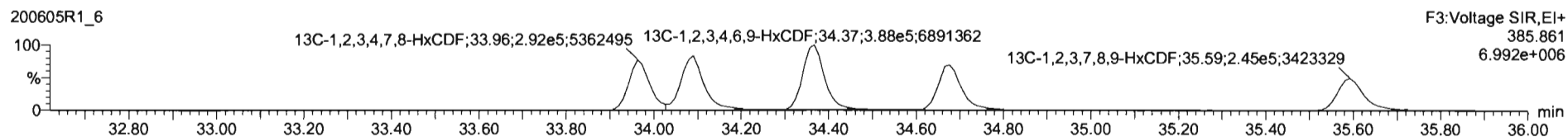
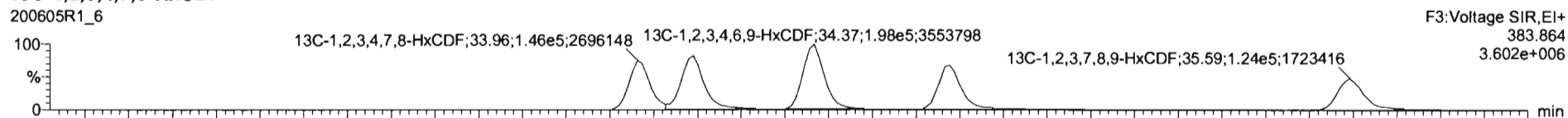
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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

Name: 200605R1_6, Date: 05-Jun-2020, Time: 13:45:26, ID: 2000995-02 PDI-068SC-A-11-12.3-200430 16.23, Description: PDI-068SC-A-11-12.3-200430

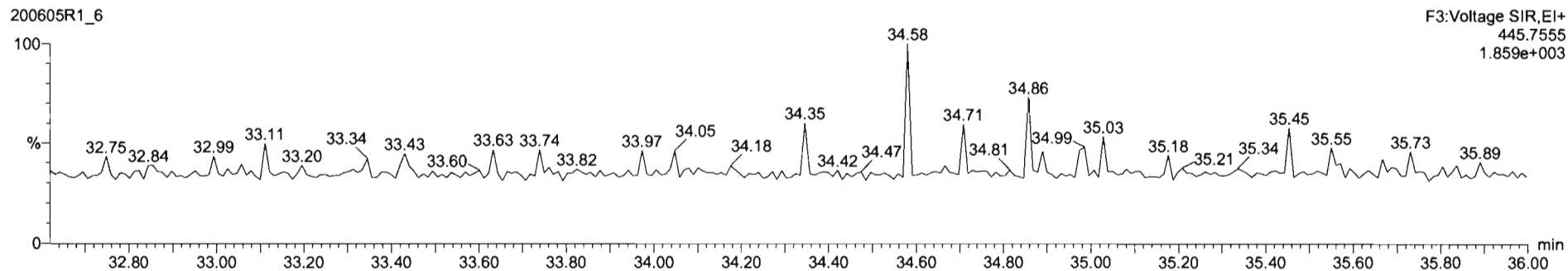
1,2,3,4,7,8-HxCDF

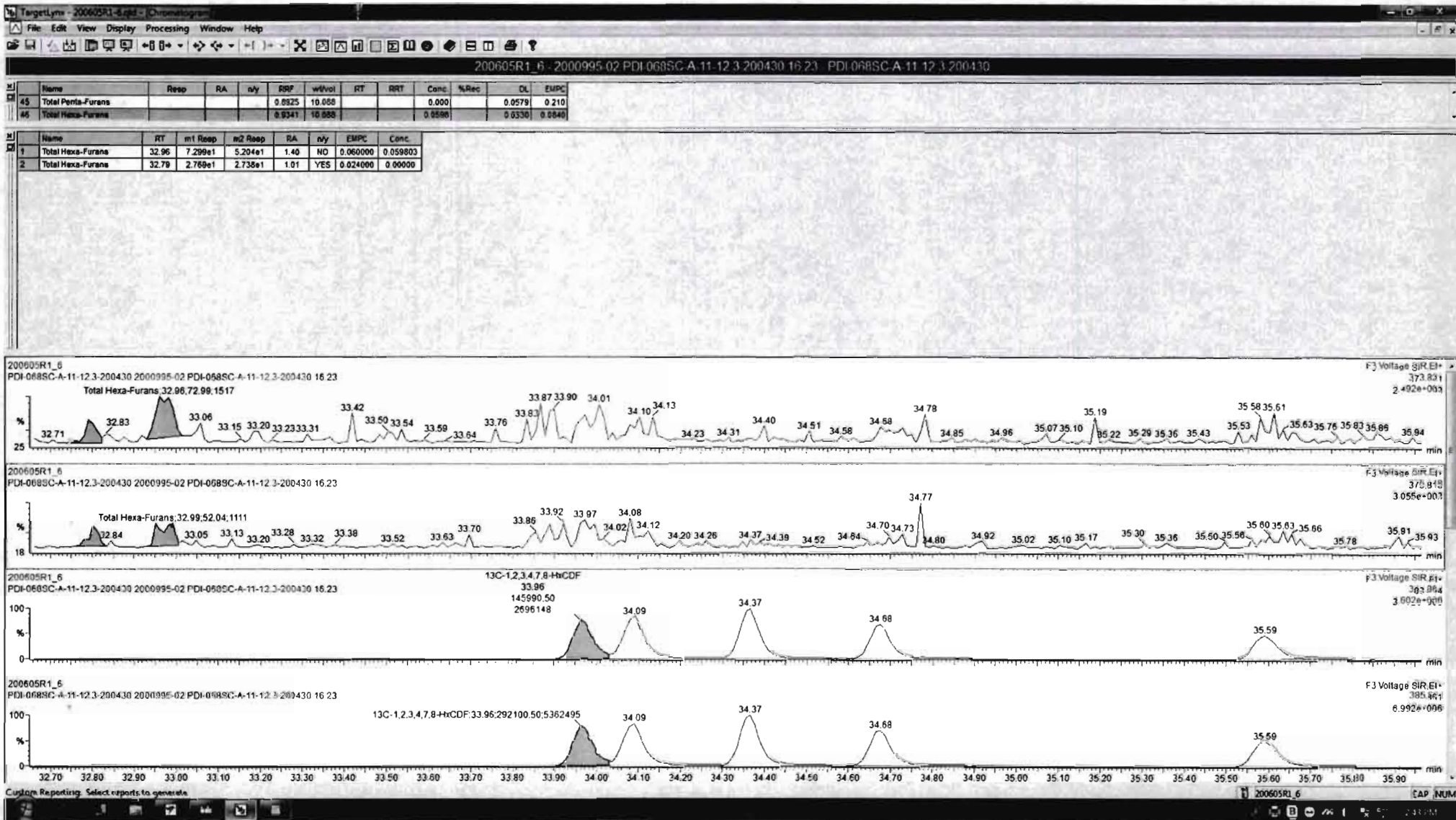


13C-1,2,3,4,7,8-HxCDF



DPE3



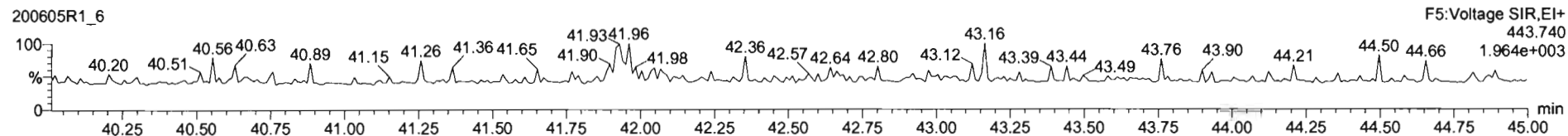
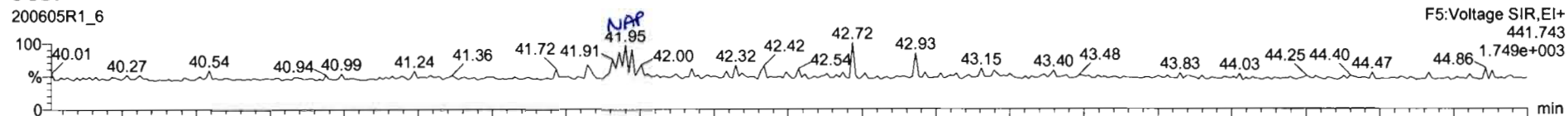


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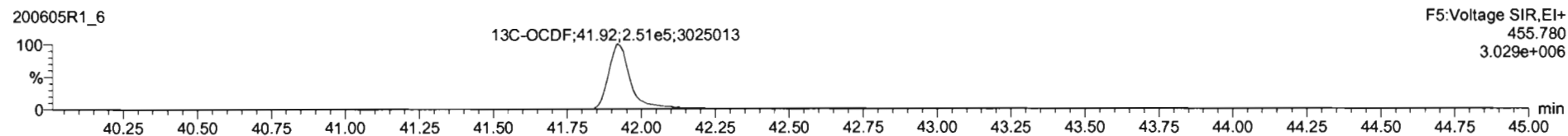
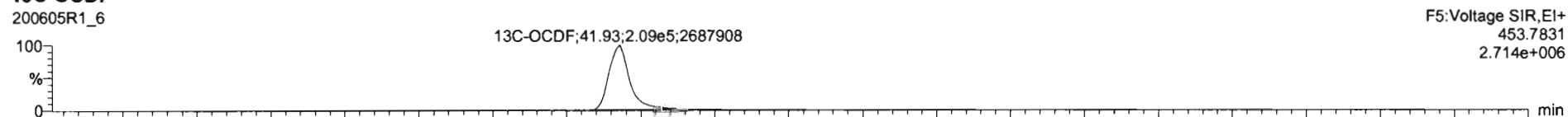
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Name: 200605R1_6, Date: 05-Jun-2020, Time: 13:45:26, ID: 2000995-02 PDI-068SC-A-11-12.3-200430 16.23, Description: PDI-068SC-A-11-12.3-200430

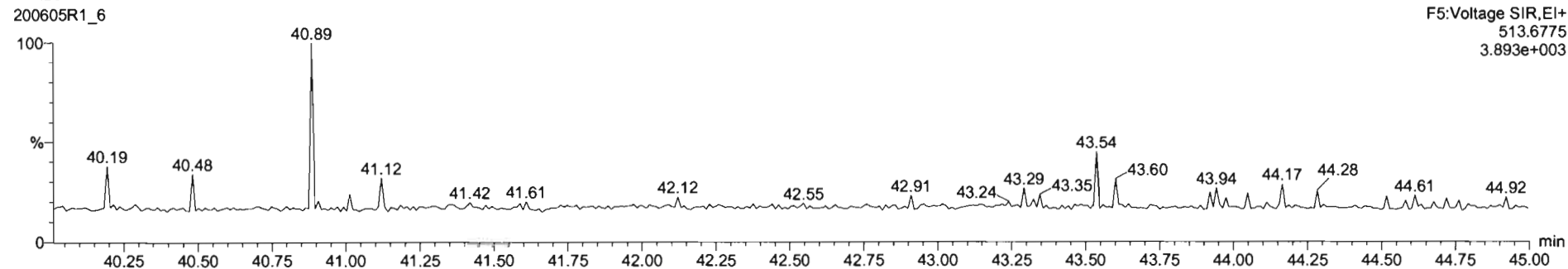
OCDF



13C-OCDF



DPE5



Dataset: U:\VG12.PRO\Results\200605R1\200605R1-7.qld

Last Altered: Tuesday, June 09, 2020 14:01:36 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 14:01:59 Pacific Daylight Time

GRB 06/09/2020

Method: Untitled 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

** SEE DIL.*

Name: 200605R1_7, Date: 05-Jun-2020, Time: 14:31:40, ID: 2000995-03 PDI-068SC-B-00-02-200430 17.1, Description: PDI-068SC-B-00-02-200430

#	Name	Resp	RA	n/y	RRF	wl/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	2.48e3	0.73	NO	0.888	10.011	26.531	26.51	1.001	1.001	0.99116		0.124	0.991
2	2 1,2,3,7,8-PeCDD	3.42e3	0.71	NO	0.908	10.011	31.473	31.48	1.001	1.001	1.9893		0.225	1.99
3	3 1,2,3,4,7,8-HxCDD	8.27e3	1.06	NO	1.03	10.011	34.836	34.84	1.000	1.000	6.4634		1.20	6.46
4	4 1,2,3,6,7,8-HxCDD	9.55e4	1.20	NO	0.892	10.011	34.932	34.94	1.000	1.000	66.919		1.26	66.9
5	5 1,2,3,7,8,9-HxCDD	2.37e4	1.17	NO	0.887	10.011	35.220	35.22	1.000	1.000	20.010		1.58	20.0
6	6 1,2,3,4,6,7,8-HpCDD	5.95e6	1.02	NO	0.864	10.011	38.757	38.76	1.000	1.000	6803.1 <i>E*</i>		3.46	6800
7	7 OCDD	2.94e7	0.88	NO	0.914	10.011	41.738	41.75	1.000	1.000	46357 <i>E*</i>		5.77	46400
8	8 2,3,7,8-TCDF	1.02e5	0.73	NO	0.751	10.011	25.627	25.62	1.001	1.001	40.803 (<i>29.6</i>)		0.237	40.8
9	9 1,2,3,7,8-PeCDF	1.43e5	1.58	NO	0.893	10.011	30.190	30.18	1.001	1.001	54.807		0.392	54.8
10	10 2,3,4,7,8-PeCDF	8.19e4	1.64	NO	0.935	10.011	31.177	31.18	1.001	1.001	32.025		0.381	32.0
11	11 1,2,3,4,7,8-HxCDF	1.38e5	1.19	NO	0.884	10.011	33.952	33.96	1.000	1.000	96.749		0.535	96.7
12	12 1,2,3,6,7,8-HxCDF	3.70e4	1.26	NO	0.889	10.011	34.079	34.08	1.000	1.000	21.263		0.480	21.3
13	13 2,3,4,6,7,8-HxCDF	1.29e4	1.29	NO	0.934	10.011	34.690	34.67	1.001	1.000	9.5233		0.618	9.52
14	14 1,2,3,7,8,9-HxCDF	9.16e3	1.18	NO	0.871	10.011	35.561	35.61	1.000	1.001	8.3084		0.942	8.31
15	15 1,2,3,4,6,7,8-HpCDF	2.62e5	1.00	NO	0.873	10.011	37.365	37.35	1.001	1.001	289.19		1.15	289
16	16 1,2,3,4,7,8,9-HpCDF	1.87e4	0.93	NO	1.01	10.011	39.278	39.29	1.000	1.000	26.741		1.38	26.7
17	17 OCDF	1.07e6	0.84	NO	0.806	10.011	41.919	41.93	1.000	1.000	1645.3		1.62	1650
18	18 13C-2,3,7,8-TCDD	5.62e5	0.75	NO	1.16	10.011	26.522	26.50	1.026	1.026	127.14	63.6	0.230	
19	19 13C-1,2,3,7,8-PeCDD	3.78e5	0.63	NO	0.849	10.011	31.711	31.45	1.227	1.217	116.57	58.3	0.320	
20	20 13C-1,2,3,4,7,8-HxCDD	2.47e5	1.29	NO	0.779	10.011	34.830	34.83	1.014	1.014	105.10	52.6	0.668	
21	21 13C-1,2,3,6,7,8-HxCDD	3.19e5	1.32	NO	1.02	10.011	34.944	34.93	1.017	1.017	103.91	52.0	0.512	
22	22 13C-1,2,3,7,8,9-HxCDD	2.67e5	1.32	NO	0.903	10.011	35.215	35.21	1.025	1.025	97.669	48.9	0.576	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.02e5	1.06	NO	0.689	10.011	38.739	38.74	1.128	1.128	97.129	48.6	0.387	
24	24 13C-OCDD	2.77e5	0.88	NO	0.652	10.011	41.761	41.74	1.216	1.215	140.53	35.2	0.317	
25	25 13C-2,3,7,8-TCDF	6.63e5	0.77	NO	1.06	10.011	25.564	25.60	0.989	0.991	113.92	57.0	0.346	
26	26 13C-1,2,3,7,8-PeCDF	5.86e5	1.57	NO	0.838	10.011	30.093	30.17	1.165	1.168	127.28	63.7	0.402	
27	27 13C-2,3,4,7,8-PeCDF	5.46e5	1.56	NO	0.817	10.011	31.047	31.15	1.202	1.205	121.76	60.9	0.413	
28	28 13C-1,2,3,4,7,8-HxCDF	3.22e5	0.50	NO	1.01	10.011	33.961	33.95	0.989	0.989	105.74	52.9	0.610	
29	29 13C-1,2,3,6,7,8-HxCDF	3.91e5	0.50	NO	1.17	10.011	34.085	34.07	0.992	0.992	110.70	55.4	0.527	
30	30 13C-2,3,4,6,7,8-HxCDF	2.89e5	0.51	NO	1.02	10.011	34.659	34.65	1.009	1.009	93.656	46.9	0.602	
31	31 13C-1,2,3,7,8,9-HxCDF	2.53e5	0.50	NO	0.860	10.011	35.558	35.56	1.035	1.035	97.372	48.7	0.716	

**
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Dataset: U:\VG12.PRO\Results\200605R1\200605R1-7.qld

Last Altered: Tuesday, June 09, 2020 14:01:36 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 14:01:59 Pacific Daylight Time

Name: 200605R1_7, Date: 05-Jun-2020, Time: 14:31:40, ID: 2000995-03 PDI-068SC-B-00-02-200430 17.1, Description: PDI-068SC-B-00-02-200430

#	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	2.07e5	0.43	NO	0.774	10.011	37.307	37.33	1.086	1.087	88.480	44.3	0.525	
33	13C-1,2,3,4,7,8,9-HpCDF	1.38e5	0.43	NO	0.521	10.011	39.336	39.28	1.145	1.144	87.371	43.7	0.781	
34	13C-OCDF	3.23e5	0.85	NO	0.746	10.011	41.933	41.92	1.221	1.220	143.41	35.9	0.363	
35	37Cl-2,3,7,8-TCDD	1.96e5			1.04	10.011	26.553	26.51	1.028	1.026	49.486	61.9	0.0519	
36	13C-1,2,3,4-TCDD	7.63e5	0.79	NO	1.00	10.011	25.890	25.84	1.000	1.000	199.79	100	0.265	
37	13C-1,2,3,4-TCDF	1.10e6	0.79	NO	1.00	10.011	24.360	24.16	1.000	1.000	199.79	100	0.367	
38	13C-1,2,3,4,6,9-HxCDF	6.04e5	0.50	NO	1.00	10.011	34.420	34.35	1.000	1.000	199.79	100	0.615	
39	Total Tetra-Dioxins				0.888	10.011	24.620		0.000		24.856		0.124	24.9
40	Total Penta-Dioxins				0.908	10.011	29.960		0.000		55.588		0.225	55.6
41	Total Hexa-Dioxins				0.892	10.011	33.635		0.000		1279.3		1.40	1280
42	Total Hepta-Dioxins				0.864	10.011	37.640		0.000		17432		3.46	17400 *
43	Total Tetra-Furans				0.751	10.011	23.610		0.000		141.37		0.237	163
44	1st Func. Penta-Furans				0.893	10.011	27.580		0.000		69.310		0.0476	69.3
45	Total Penta-Furans				0.893	10.011	29.275		0.000		139.38		0.396	189
46	Total Hexa-Furans				0.934	10.011	33.555		0.000		358.62		0.592	359
47	Total Hepta-Furans				0.873	10.011	37.835		0.000		1622.2		1.33	1620

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-7.qld

Last Altered: Tuesday, June 09, 2020 14:01:36 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 14:01:59 Pacific Daylight Time

Method: Untitled 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R1_7, Date: 05-Jun-2020, Time: 14:31:40, ID: 2000995-03 PDI-068SC-B-00-02-200430 17.1, Description: PDI-068SC-B-00-02-200430

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.50	7.413e4	9.044e4	6.475e3	8.257e3	0.78	NO	1.473e4	5.8987	5.8987	0.124
2	Total Tetra-Dioxins	22.92	1.754e4	2.343e4	1.730e3	2.326e3	0.74	NO	4.056e3	1.6242	1.6242	0.124
3	Total Tetra-Dioxins	23.44	2.223e4	2.716e4	1.903e3	2.300e3	0.83	NO	4.203e3	1.6829	1.6829	0.124
4	Total Tetra-Dioxins	24.33	1.435e4	1.179e4	8.030e2	9.325e2	0.86	NO	1.735e3	0.69492	0.69492	0.124
5	Total Tetra-Dioxins	24.60	3.249e4	4.586e4	3.615e3	4.441e3	0.81	NO	8.057e3	3.2261	3.2261	0.124
6	Total Tetra-Dioxins	24.81	2.849e4	3.793e4	2.305e3	2.902e3	0.79	NO	5.208e3	2.0853	2.0853	0.124
7	Total Tetra-Dioxins	25.02	1.255e4	1.736e4	9.858e2	1.369e3	0.72	NO	2.355e3	0.94288	0.94288	0.124
8	Total Tetra-Dioxins	25.30	1.058e4	1.424e4	8.541e2	1.035e3	0.83	NO	1.889e3	0.75644	0.75644	0.124
9	Total Tetra-Dioxins	25.47	1.947e4	2.503e4	1.422e3	1.838e3	0.77	NO	3.259e3	1.3051	1.3051	0.124
10	Total Tetra-Dioxins	25.83	1.512e4	2.286e4	1.150e3	1.736e3	0.66	NO	2.885e3	1.1554	1.1554	0.124
11	Total Tetra-Dioxins	25.98	5.277e3	6.702e3	4.006e2	5.725e2	0.70	NO	9.731e2	0.38964	0.38964	0.124
12	Total Tetra-Dioxins	26.26	1.960e4	2.383e4	1.698e3	2.253e3	0.75	NO	3.951e3	1.5822	1.5822	0.124
13	Total Tetra-Dioxins	26.38	6.764e3	1.058e4	5.463e2	7.513e2	0.73	NO	1.298e3	0.51955	0.51955	0.124
14	2,3,7,8-TCDD	26.51	1.687e4	2.092e4	1.046e3	1.429e3	0.73	NO	2.475e3	0.99116	0.99116	0.124
15	Total Tetra-Dioxins	26.84	2.160e4	2.529e4	1.245e3	1.717e3	0.73	NO	2.962e3	1.1861	1.1861	0.124
16	Total Tetra-Dioxins	26.96	5.683e3	6.455e3	3.455e2	4.138e2	0.83	NO	7.593e2	0.30403	0.30403	0.124
17	Total Tetra-Dioxins	27.47	1.121e4	1.175e4	5.077e2	7.702e2	0.66	NO	1.278e3	0.51172	0.51172	0.124

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Name: 200605R1_7, Date: 05-Jun-2020, Time: 14:31:40, ID: 2000995-03 PDI-068SC-B-00-02-200430 17.1, Description: PDI-068SC-B-00-02-200430

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.25	1.339e5	2.045e5	1.003e4	1.670e4	0.60	NO	2.673e4	15.555	15.555	0.225
2	Total Penta-Dioxins	29.73	9.926e4	1.401e5	4.688e3	7.504e3	0.62	NO	1.219e4	7.0944	7.0944	0.225
3	Total Penta-Dioxins	30.22	8.287e4	1.214e5	4.840e3	7.124e3	0.68	NO	1.196e4	6.9620	6.9620	0.225
4	Total Penta-Dioxins	30.38	5.027e4	6.541e4	2.567e3	3.609e3	0.71	NO	6.176e3	3.5937	3.5937	0.225
5	Total Penta-Dioxins	30.47	3.080e4	6.089e4	1.958e3	3.502e3	0.56	NO	5.460e3	3.1773	3.1773	0.225
6	Total Penta-Dioxins	30.70	7.784e4	1.287e5	3.840e3	6.212e3	0.62	NO	1.005e4	5.8495	5.8495	0.225
7	Total Penta-Dioxins	30.73	7.934e4	1.282e5	3.777e3	6.263e3	0.60	NO	1.004e4	5.8418	5.8418	0.225
8	Total Penta-Dioxins	31.04	2.080e4	3.380e4	1.160e3	1.992e3	0.58	NO	3.153e3	1.8345	1.8345	0.225
9	1,2,3,7,8-PeCDD	31.48	2.736e4	3.359e4	1.425e3	1.994e3	0.71	NO	3.419e3	1.9893	1.9893	0.225
10	Total Penta-Dioxins	31.54	2.562e4	5.125e4	1.435e3	2.613e3	0.55	NO	4.049e3	2.3558	2.3558	0.225
11	Total Penta-Dioxins	31.85	2.035e4	2.966e4	8.151e2	1.479e3	0.55	NO	2.294e3	1.3346	1.3346	0.225

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.33	8.180e6	6.578e6	4.146e5	3.360e5	1.23	NO	7.507e5	605.05	605.05	1.40
2	Total Hexa-Dioxins	33.89	5.858e5	5.013e5	3.253e4	2.611e4	1.25	NO	5.863e4	47.261	47.261	1.40
3	Total Hexa-Dioxins	34.15	4.307e6	3.413e6	3.135e5	2.534e5	1.24	NO	5.669e5	456.91	456.91	1.40
4	Total Hexa-Dioxins	34.26	6.096e5	4.878e5	3.872e4	3.039e4	1.27	NO	6.911e4	55.702	55.702	1.40
5	1,2,3,4,7,8-HxCDD	34.84	9.357e4	8.077e4	4.260e3	4.015e3	1.06	NO	8.274e3	6.4634	6.4634	1.20
6	1,2,3,6,7,8-HxCDD	34.94	8.713e5	7.124e5	5.211e4	4.335e4	1.20	NO	9.545e4	66.919	66.919	1.26
7	Total Hexa-Dioxins	35.12	2.285e5	1.913e5	1.358e4	1.243e4	1.09	NO	2.601e4	20.967	20.967	1.40
8	1,2,3,7,8,9-HxCDD	35.22	1.843e5	1.543e5	1.275e4	1.093e4	1.17	NO	2.367e4	20.010	20.010	1.58

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.74	5.842e7	5.769e7	4.681e6	4.620e6	1.01	NO	9.301e6	10629	10629	3.46
2	1,2,3,4,6,7,8-HpCDD	38.76	3.998e7	3.925e7	3.008e6	2.944e6	1.02	NO	5.953e6	6803.1	6803.1	3.46

*SEE DL

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Name: 200605R1_7, Date: 05-Jun-2020, Time: 14:31:40, ID: 2000995-03 PDI-068SC-B-00-02-200430 17.1, Description: PDI-068SC-B-00-02-200430

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.38	1.815e4	2.015e4	1.404e3	1.657e3	0.85	NO	3.061e3	1.2283	1.2283	0.237
2	Total Tetra-Furans	20.92	3.530e4	4.598e4	3.092e3	4.333e3	0.71	NO	7.425e3	2.9797	2.9797	0.237
3	Total Tetra-Furans	21.50	1.975e5	2.677e5	1.765e4	2.425e4	0.73	NO	4.190e4	16.815	16.815	0.237
4	Total Tetra-Furans	21.95	1.507e4	1.587e4	1.321e3	1.689e3	0.78	NO	0.000e0	0.00000	1.2078	0.237
5	Total Tetra-Furans	22.08	2.219e4	2.493e4	2.418e3	2.978e3	0.81	NO	0.000e0	0.00000	2.1655	0.237
6	Total Tetra-Furans	22.40	1.972e4	2.481e4	8.265e2	1.213e3	0.68	NO	0.000e0	0.00000	0.81864	0.237
7	Total Tetra-Furans	22.49	1.365e5	1.835e5	1.354e4	1.789e4	0.76	NO	0.000e0	0.00000	12.612	0.237
8	Total Tetra-Furans	22.97	1.060e5	1.529e5	1.058e4	1.460e4	0.73	NO	2.518e4	10.105	10.105	0.237
9	Total Tetra-Furans	23.10	7.117e3	1.001e4	6.221e2	7.490e2	0.83	NO	1.371e3	0.55027	0.55027	0.237
10	Total Tetra-Furans	23.33	2.217e4	3.083e4	2.005e3	2.733e3	0.73	NO	4.738e3	1.9015	1.9015	0.237
11	Total Tetra-Furans	23.79	5.443e3	6.041e3	3.913e2	4.918e2	0.80	NO	8.831e2	0.35441	0.35441	0.237
12	Total Tetra-Furans	23.89	1.438e4	2.352e4	1.121e3	1.685e3	0.67	NO	2.807e3	1.1264	1.1264	0.237
13	Total Tetra-Furans	24.07	1.133e5	1.571e5	9.868e3	1.374e4	0.72	NO	2.360e4	9.4725	9.4725	0.237
14	Total Tetra-Furans	24.16	6.497e4	7.429e4	5.016e3	6.486e3	0.77	NO	0.000e0	0.00000	4.6160	0.237
15	Total Tetra-Furans	24.69	5.267e5	6.830e5	4.129e4	5.521e4	0.75	NO	9.649e4	38.725	38.725	0.237
16	Total Tetra-Furans	24.79	1.532e4	1.882e4	5.722e2	8.376e2	0.68	NO	1.410e3	0.56578	0.56578	0.237
17	Total Tetra-Furans	24.97	2.250e4	3.031e4	1.954e3	2.677e3	0.73	NO	4.631e3	1.8586	1.8586	0.237
18	Total Tetra-Furans	25.17	7.903e3	1.068e4	5.643e2	8.159e2	0.69	NO	1.380e3	0.55392	0.55392	0.237
19	Total Tetra-Furans	25.39	1.329e4	1.973e4	8.573e2	1.232e3	0.70	NO	2.089e3	0.83842	0.83842	0.237
20	Total Tetra-Furans	25.53	6.591e4	9.272e4	4.203e3	5.922e3	0.71	NO	1.013e4	4.0634	4.0634	0.237
21	2,3,7,8-TCDF	25.62	5.529e5	7.665e5	4.278e4	5.889e4	0.73	NO	1.017e5	40.803	40.803	0.237
22	Total Tetra-Furans	25.74	1.394e4	2.082e4	9.883e2	1.280e3	0.77	NO	2.268e3	0.91019	0.91019	0.237
23	Total Tetra-Furans	25.99	3.212e4	3.718e4	2.268e3	2.870e3	0.79	NO	5.138e3	2.0620	2.0620	0.237
24	Total Tetra-Furans	27.17	8.831e3	1.228e4	5.288e2	7.124e2	0.74	NO	1.241e3	0.49814	0.49814	0.237
25	Total Tetra-Furans	27.35	1.163e4	1.683e4	7.198e2	9.986e2	0.72	NO	1.718e3	0.68962	0.68962	0.237
26	Total Tetra-Furans	27.62	8.440e4	1.162e5	5.703e3	7.415e3	0.77	NO	1.312e4	5.2645	5.2645	0.237

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	27.61	1.716e6	1.084e6	1.070e5	6.834e4	1.57	NO	1.753e5	69.310	69.310	0.0476

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Name: 200605R1_7, Date: 05-Jun-2020, Time: 14:31:40, ID: 2000995-03 PDI-068SC-B-00-02-200430 17.1, Description: PDI-068SC-B-00-02-200430

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.07	5.176e4	3.330e4	2.978e3	1.925e3	1.55	NO	4.903e3	1.9383	1.9383	0.396
2	Total Penta-Furans	29.21	1.127e6	6.896e5	7.081e4	4.557e4	1.55	NO	0.000e0	0.00000	46.012	0.396
3	Total Penta-Furans	29.25	1.508e5	8.843e4	5.196e3	3.478e3	1.49	NO	0.000e0	0.00000	3.4293	0.396
4	Total Penta-Furans	29.79	2.473e5	1.734e5	1.576e4	1.026e4	1.54	NO	2.602e4	10.286	10.286	0.396
5	Total Penta-Furans	30.00	1.691e5	1.167e5	9.198e3	6.245e3	1.47	NO	1.544e4	6.1057	6.1057	0.396
6	1,2,3,7,8-PeCDF	30.18	1.666e6	1.049e6	8.793e4	5.556e4	1.58	NO	1.435e5	54.807	54.807	0.392
7	Total Penta-Furans	30.26	7.263e4	6.063e4	2.830e3	1.925e3	1.47	NO	4.755e3	1.8799	1.8799	0.396
8	Total Penta-Furans	30.46	5.698e5	3.726e5	3.486e4	2.178e4	1.60	NO	5.664e4	22.395	22.395	0.396
9	Total Penta-Furans	31.07	1.679e4	1.077e4	7.490e2	5.117e2	1.46	NO	1.261e3	0.49846	0.49846	0.396
10	2,3,4,7,8-PeCDF	31.18	8.318e5	5.122e5	5.080e4	3.105e4	1.64	NO	8.186e4	32.025	32.025	0.381
11	Total Penta-Furans	31.21	5.349e5	2.932e5	1.229e4	7.524e3	1.63	NO	1.981e4	7.8332	7.8332	0.396
12	Total Penta-Furans	32.11	4.018e4	3.031e4	2.539e3	1.542e3	1.65	NO	4.081e3	1.6135	1.6135	0.396

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.78	1.956e5	1.713e5	9.730e3	8.371e3	1.16	NO	1.810e4	12.341	12.341	0.592
2	Total Hexa-Furans	32.95	7.338e5	6.047e5	3.746e4	3.113e4	1.20	NO	6.860e4	46.765	46.765	0.592
3	Total Hexa-Furans	33.31	1.578e4	1.186e4	9.161e2	6.940e2	1.32	NO	1.610e3	1.0977	1.0977	0.592
4	Total Hexa-Furans	33.49	2.484e6	2.027e6	1.259e5	1.030e5	1.22	NO	2.289e5	156.04	156.04	0.592
5	Total Hexa-Furans	33.86	1.658e4	1.506e4	6.653e2	6.293e2	1.06	NO	1.295e3	0.88264	0.88264	0.592
6	1,2,3,4,7,8-HxCDF	33.96	1.367e6	1.150e6	7.508e4	6.286e4	1.19	NO	1.379e5	96.749	96.749	0.535
7	1,2,3,6,7,8-HxCDF	34.08	3.587e5	2.882e5	2.062e4	1.634e4	1.26	NO	3.696e4	21.263	21.263	0.480
8	Total Hexa-Furans	34.13	6.328e4	4.755e4	2.100e3	1.814e3	1.16	NO	3.914e3	2.6685	2.6685	0.592
9	2,3,4,6,7,8-HxCDF	34.67	1.209e5	9.802e4	7.266e3	5.616e3	1.29	NO	1.288e4	9.5233	9.5233	0.618
10	1,2,3,7,8,9-HxCDF	35.61	1.112e5	9.379e4	4.965e3	4.197e3	1.18	NO	9.161e3	8.3084	8.3084	0.942
11	Total Hexa-Furans	35.63	8.456e4	7.133e4	2.360e3	2.005e3	1.18	NO	4.365e3	2.9759	2.9759	0.592

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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	37.35	1.709e6	1.731e6	1.310e5	1.309e5	1.00	NO	2.619e5	289.19	289.19	1.15
2	Total Hepta-Furans	37.76	4.227e4	4.036e4	3.031e3	2.946e3	1.03	NO	5.977e3	7.9315	7.9315	1.33
3	Total Hepta-Furans	37.97	5.930e6	5.962e6	4.913e5	4.871e5	1.01	NO	9.784e5	1298.4	1298.4	1.33
4	1,2,3,4,7,8,9-HpCDF	39.29	1.335e5	1.497e5	8.980e3	9.674e3	0.93	NO	1.865e4	26.741	26.741	1.38

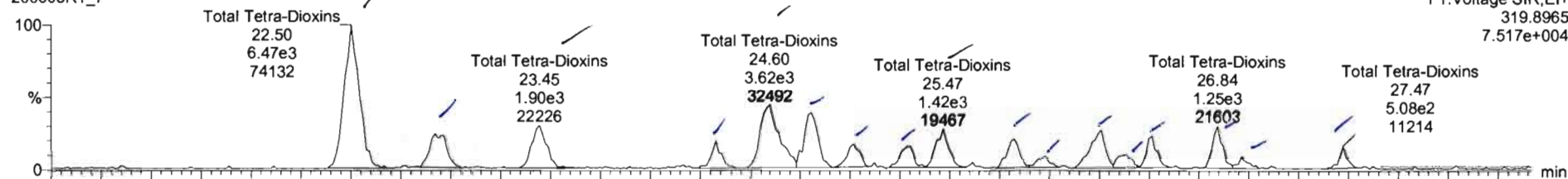
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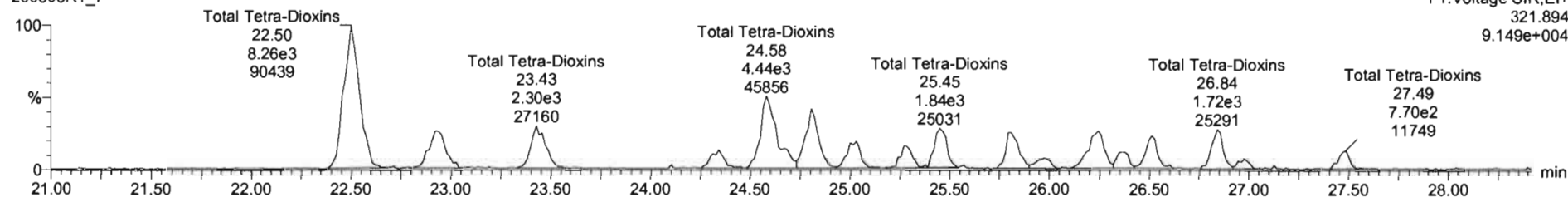
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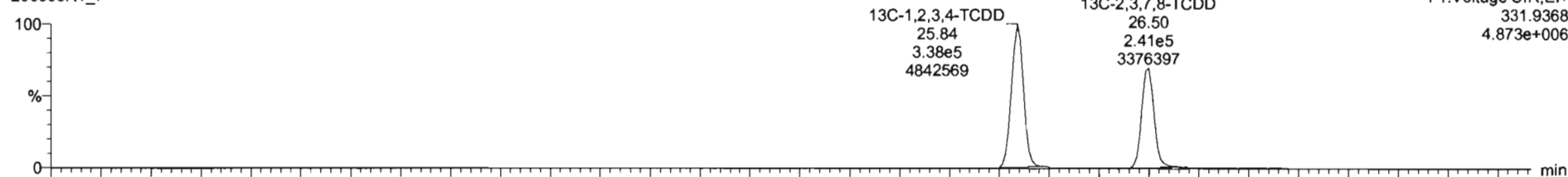


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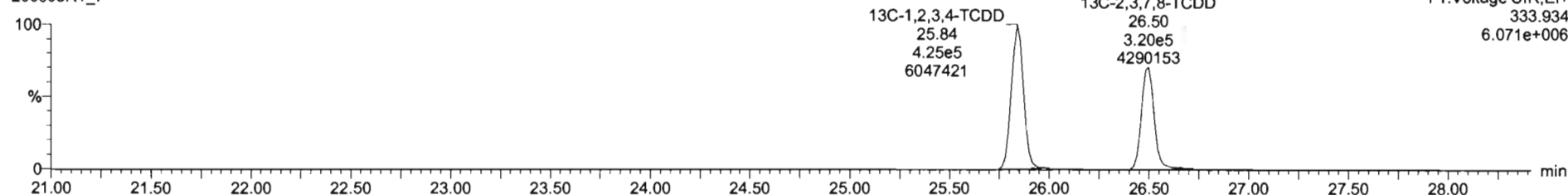


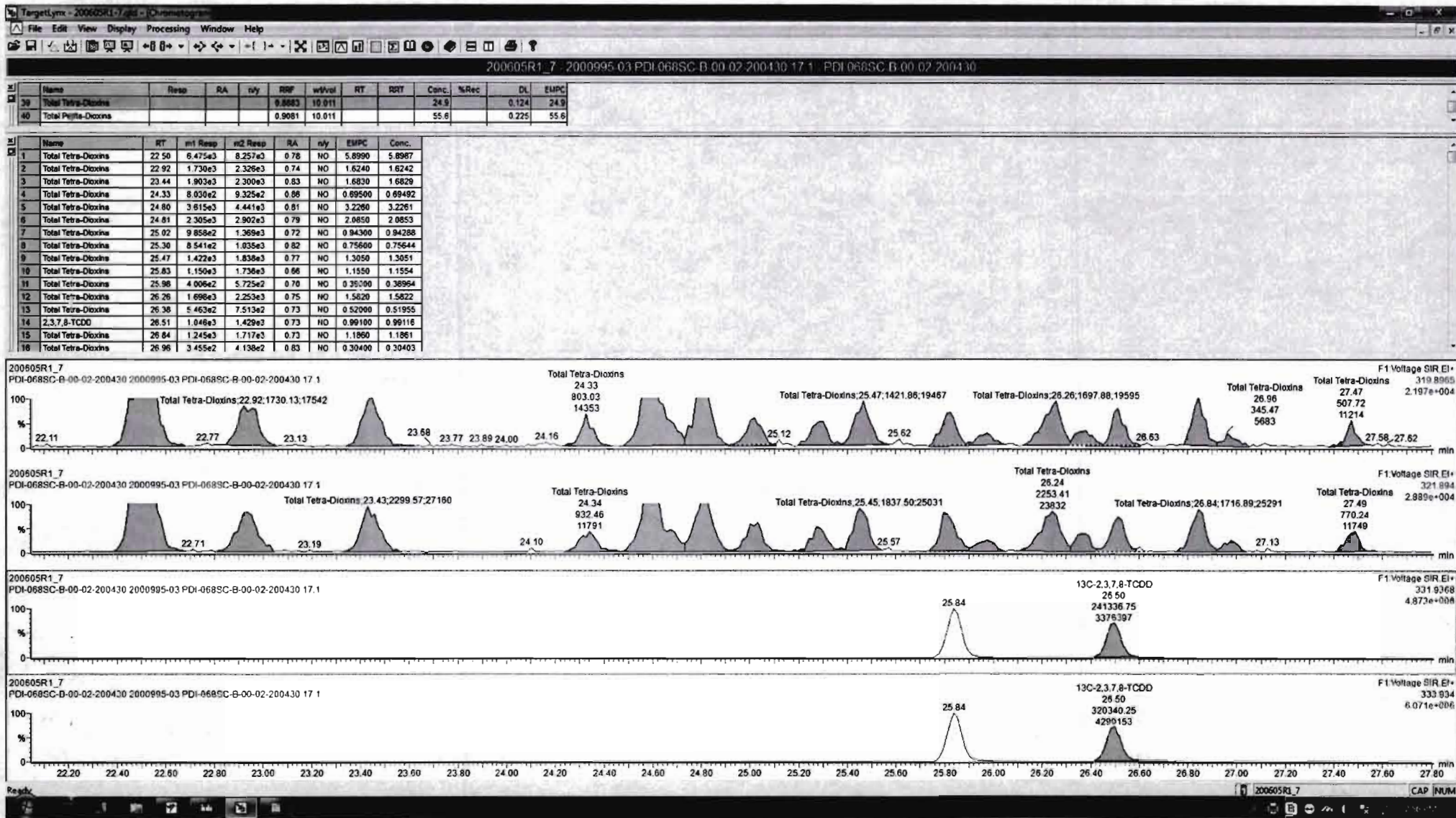
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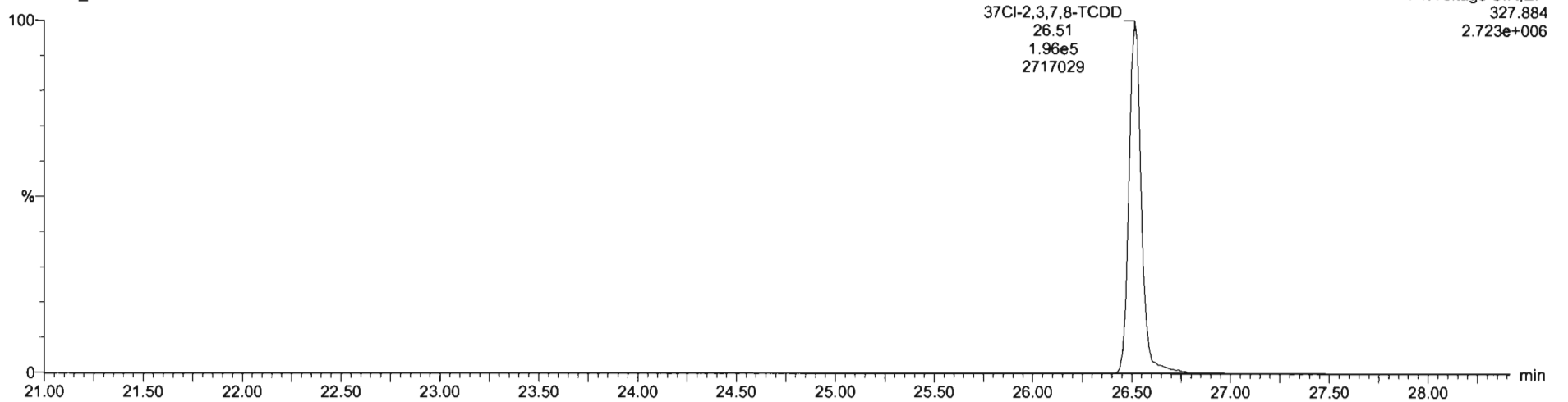
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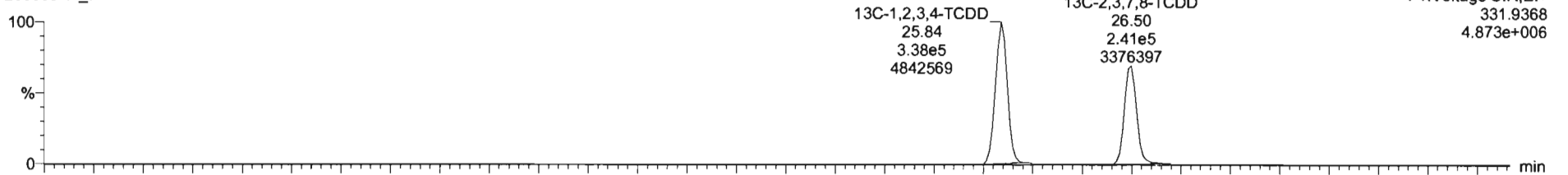
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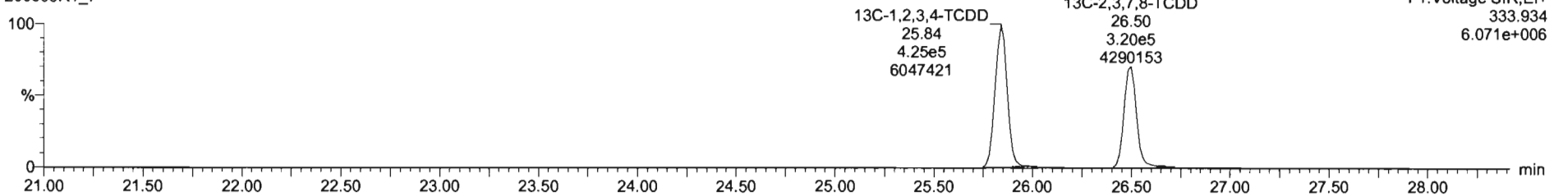


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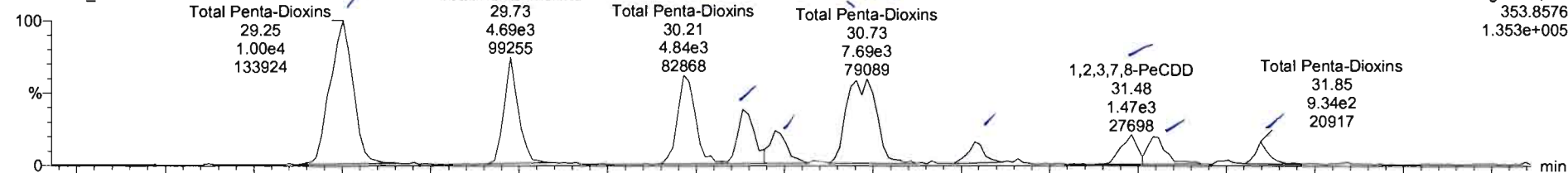
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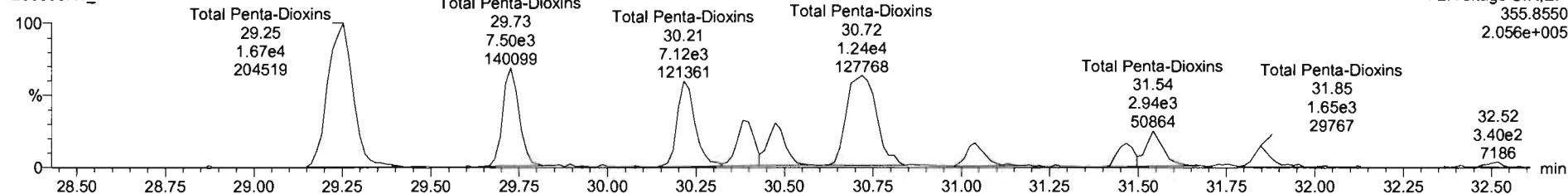
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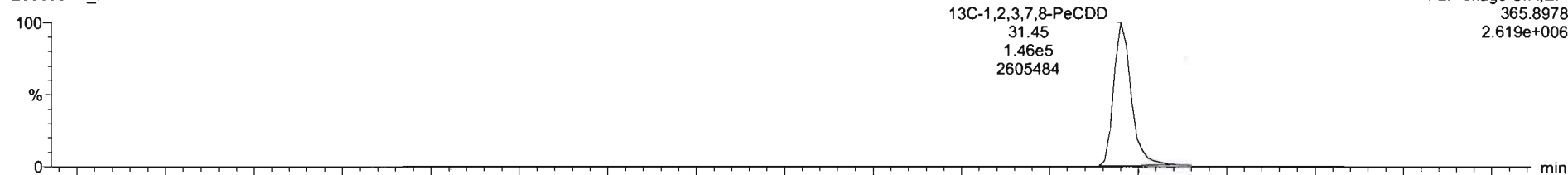


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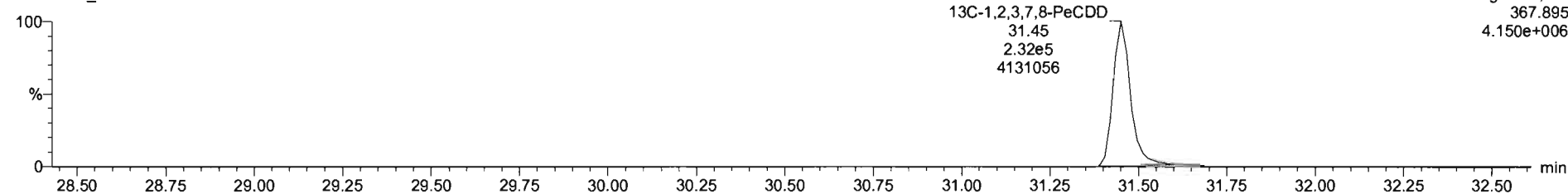


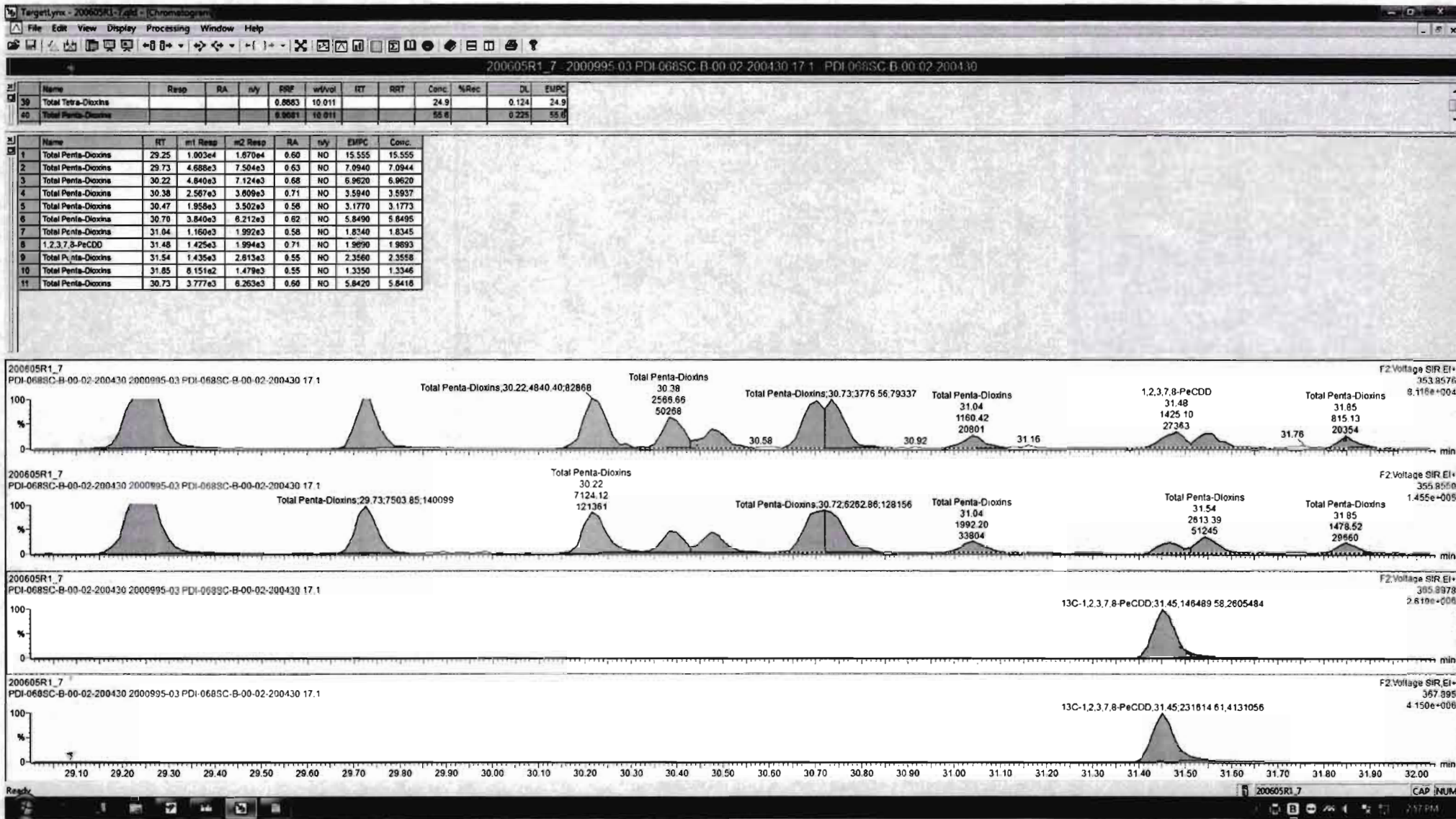
13C-1,2,3,7,8-PeCDD

200605R1_7



200605R1_7





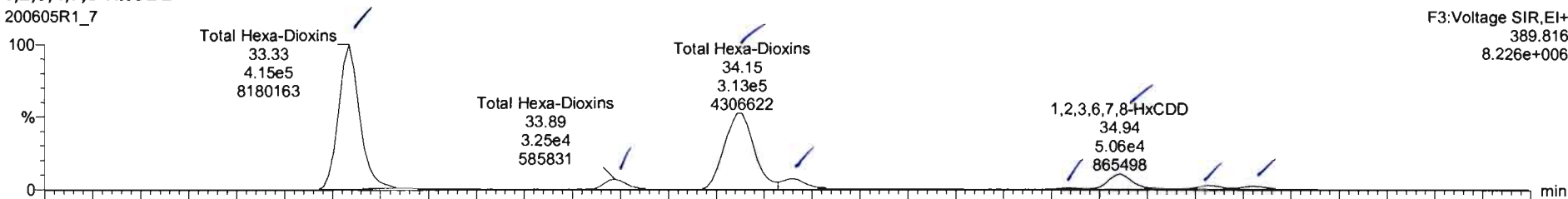
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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

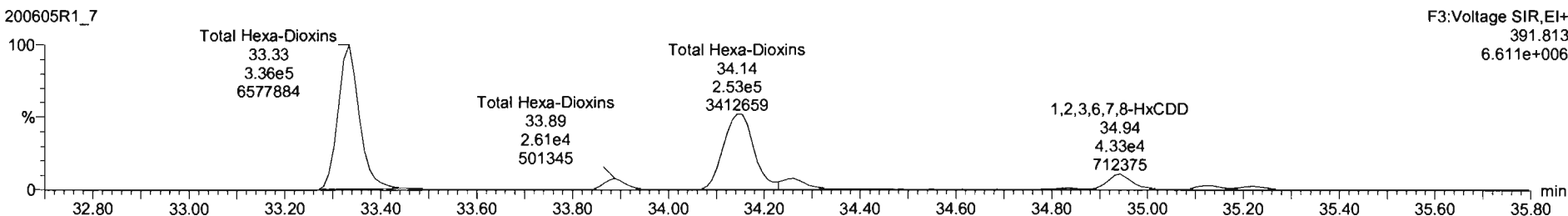
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1,2,3,4,7,8-HxCDD

200605R1_7

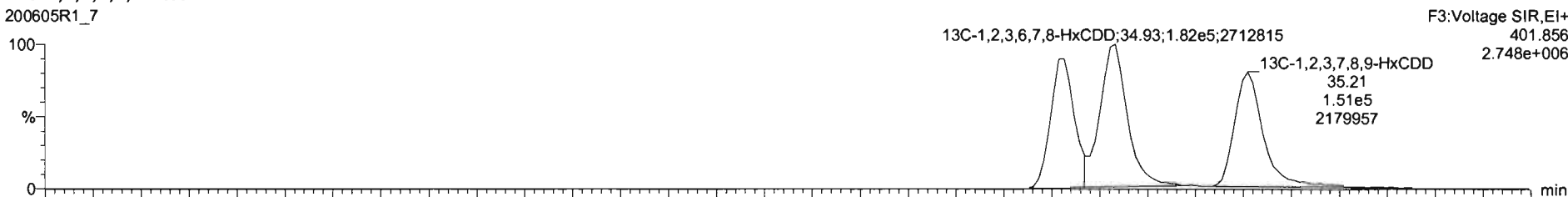


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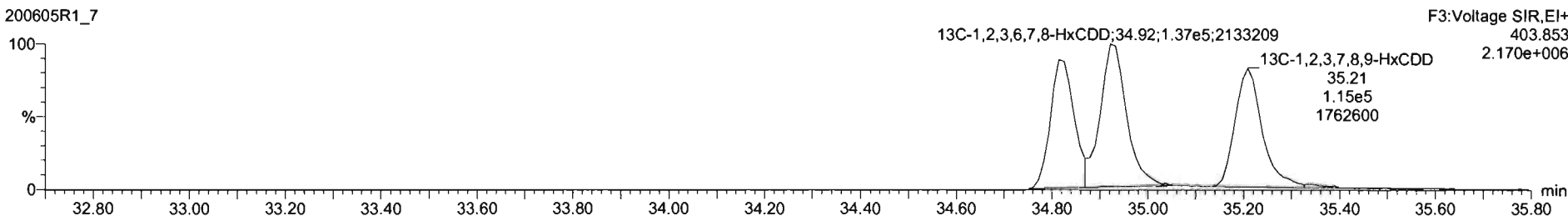


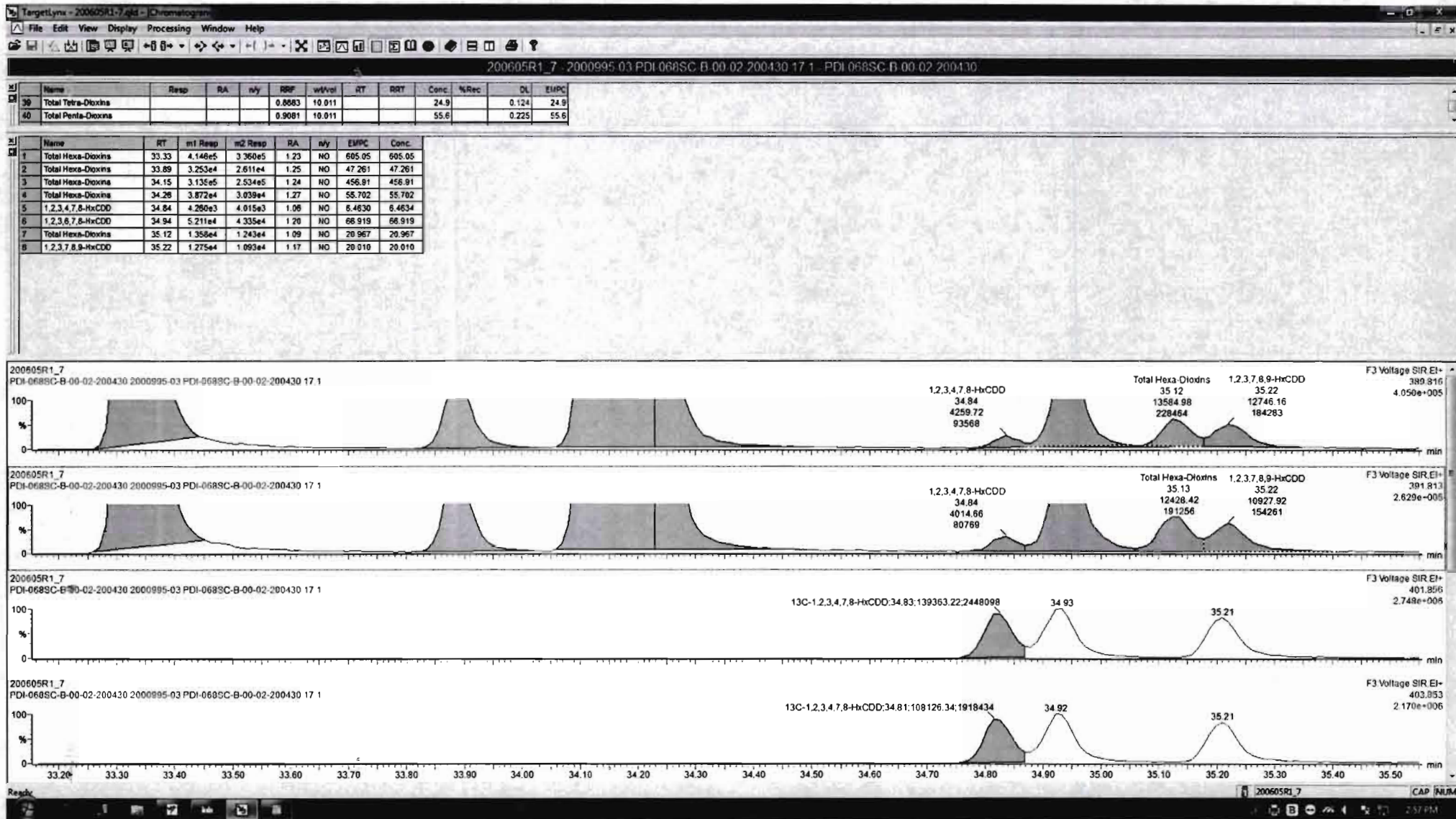
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200605R1_7



200605R1_7





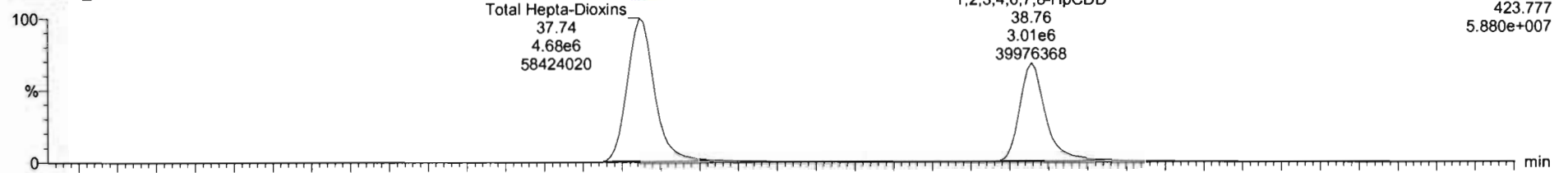
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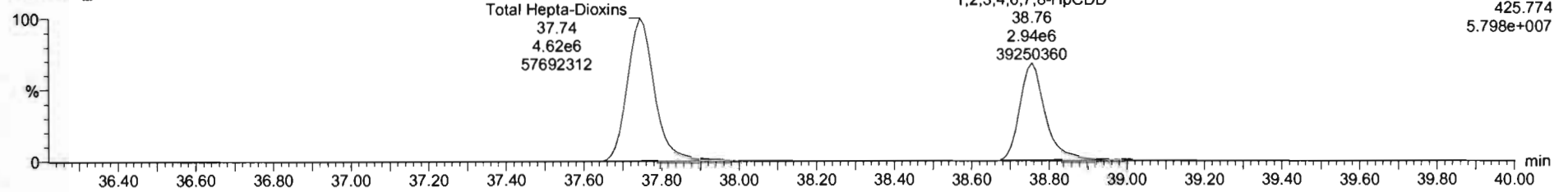
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1,2,3,4,6,7,8-HpCDD

200605R1_7

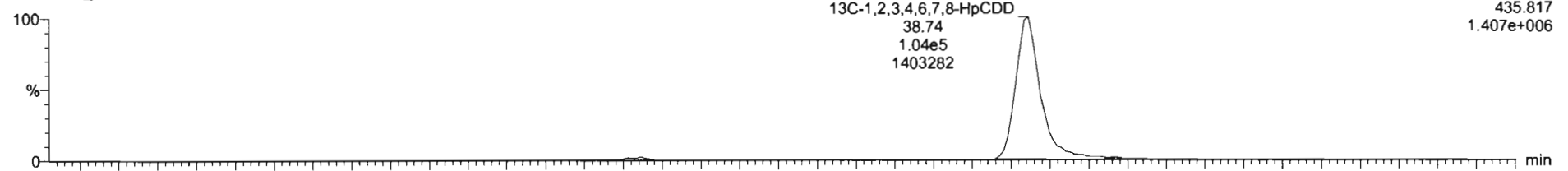


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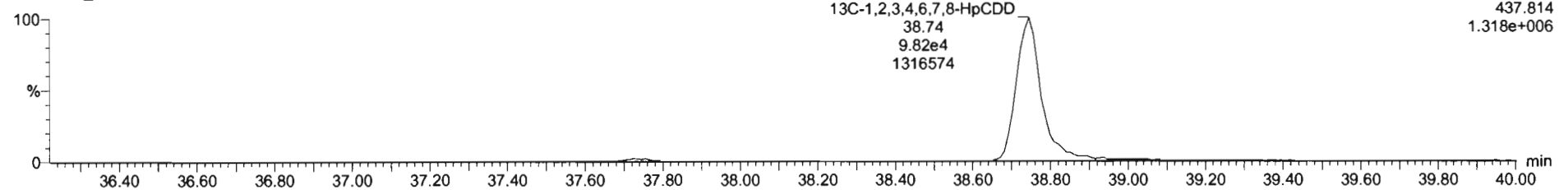


13C-1,2,3,4,6,7,8-HpCDD

200605R1_7



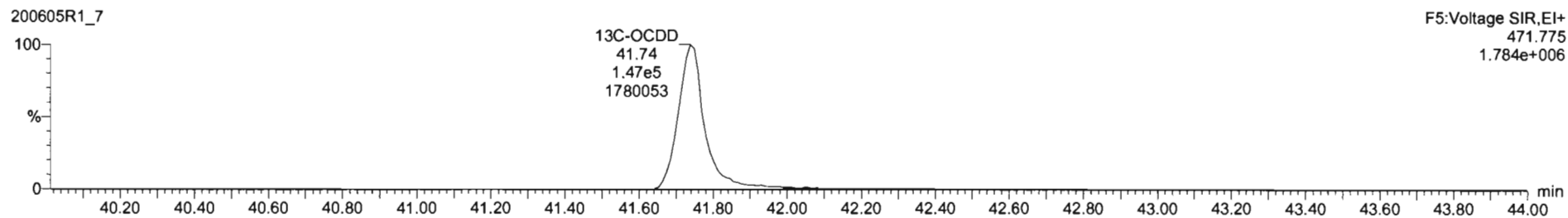
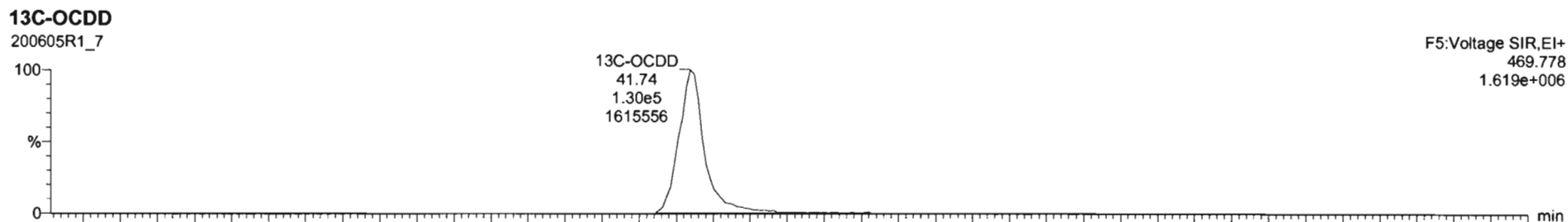
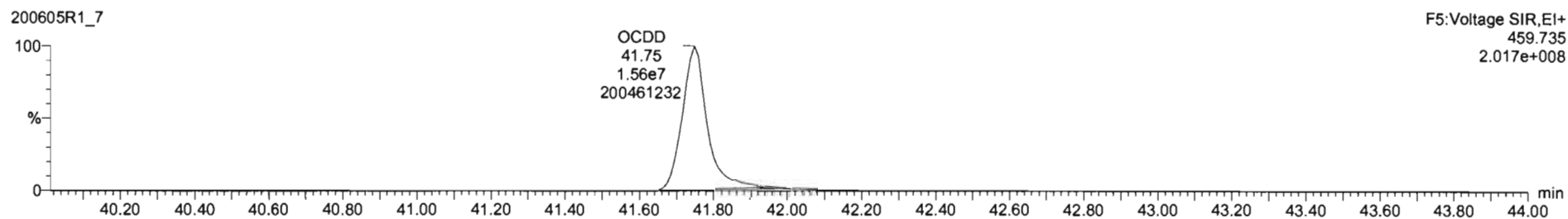
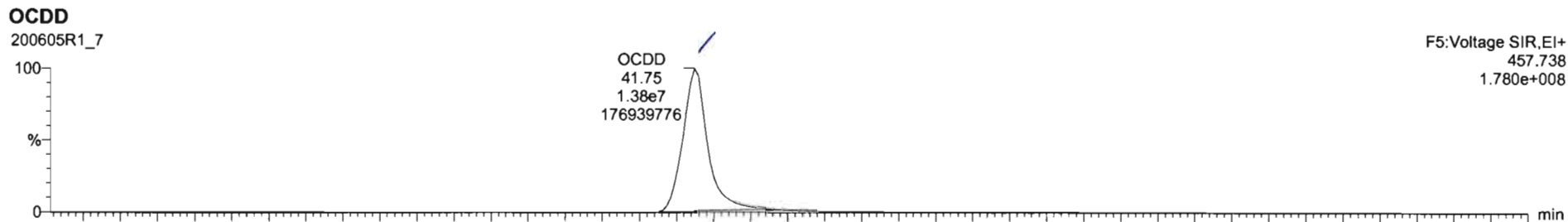
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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

Name: 200605R1_7, Date: 05-Jun-2020, Time: 14:31:40, ID: 2000995-03 PDI-068SC-B-00-02-200430 17.1, Description: PDI-068SC-B-00-02-200430

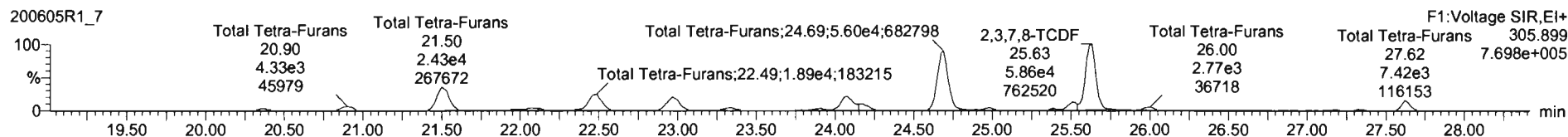
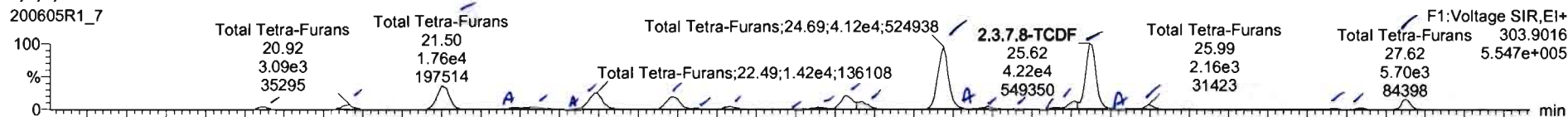


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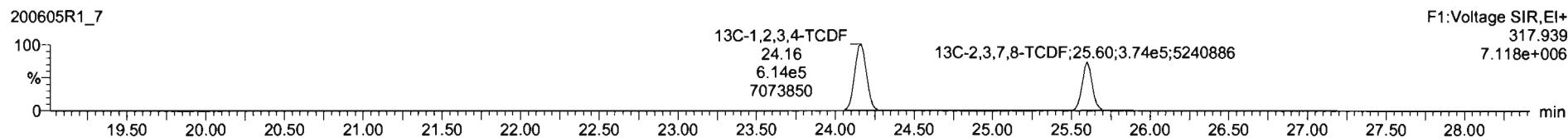
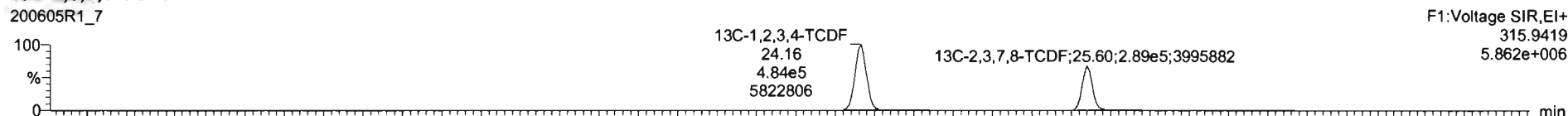
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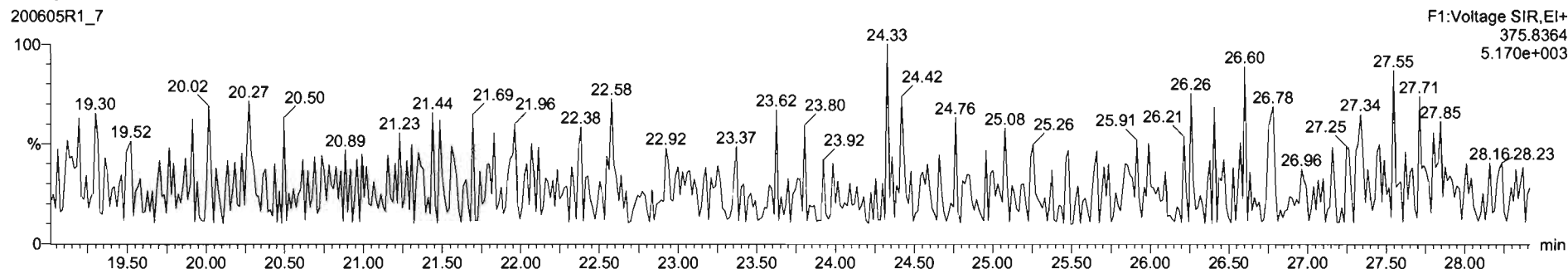
2,3,7,8-TCDF

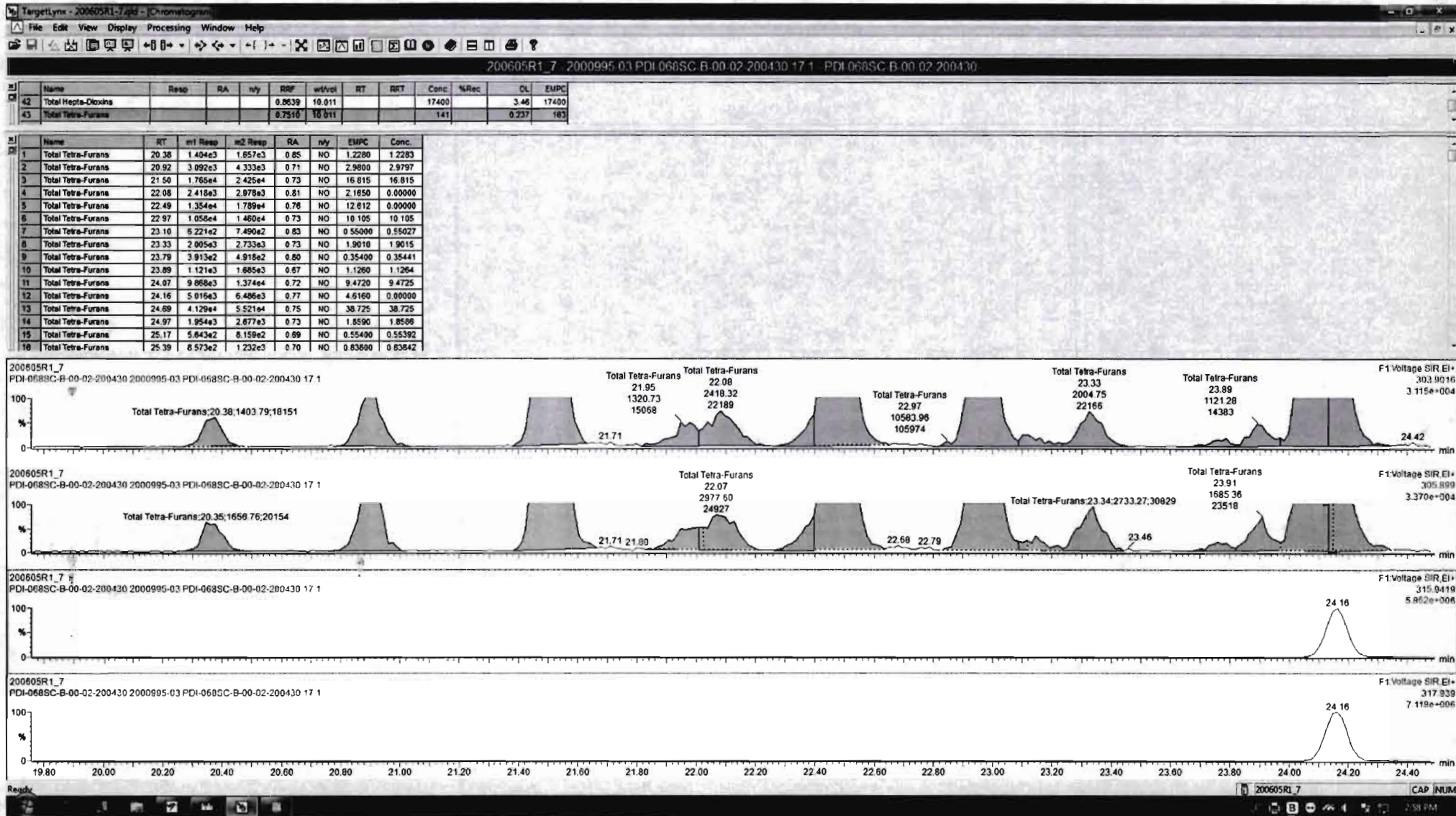


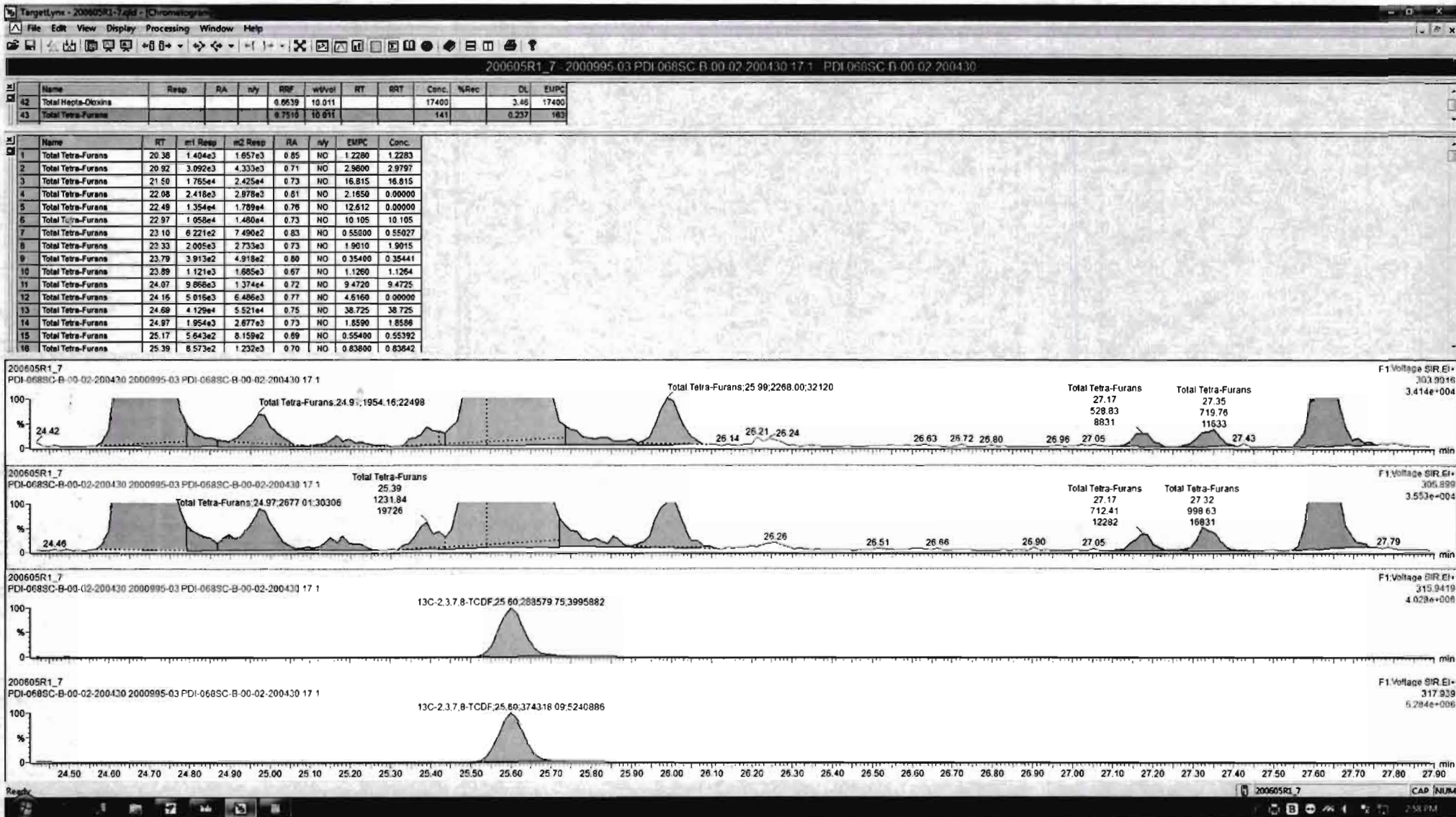
13C-2,3,7,8-TCDF



DPE1







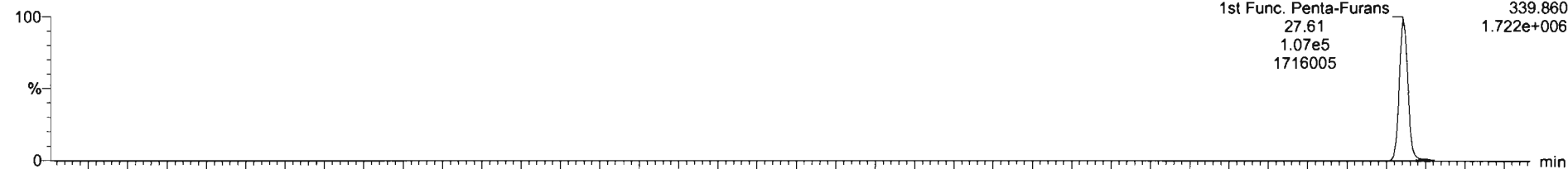
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Last Altered: Sunday, June 07, 2020 08:21:27 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

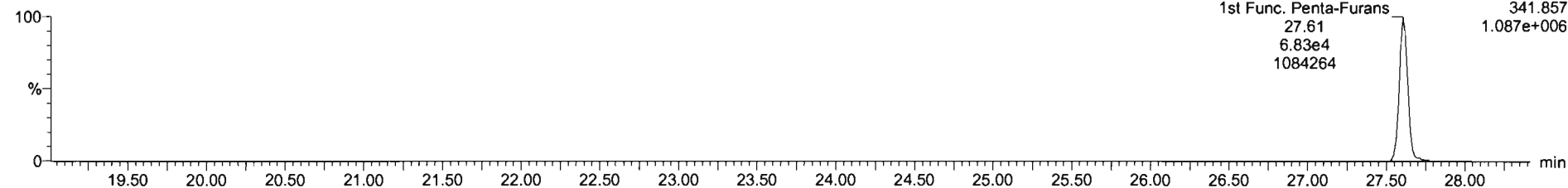
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1st Func. Penta-Furans

200605R1_7

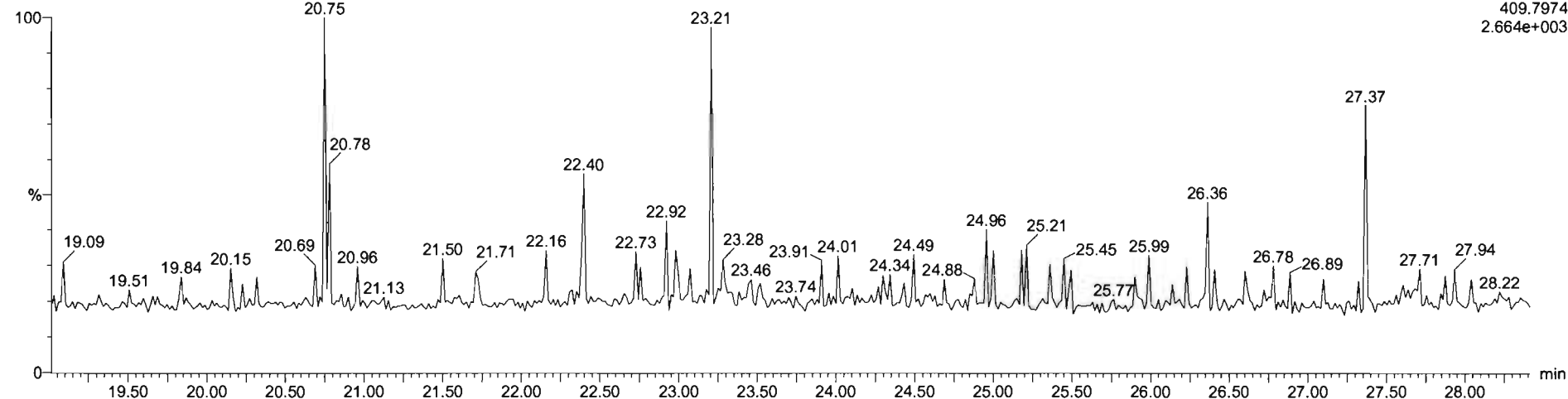


200605R1_7



DPE6

200605R1_7



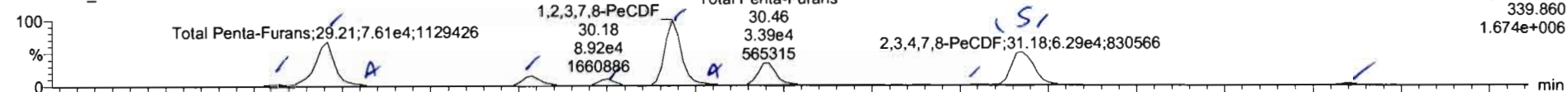
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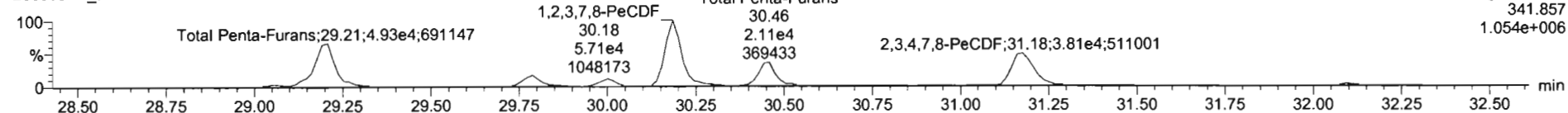
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1,2,3,7,8-PeCDF

200605R1_7

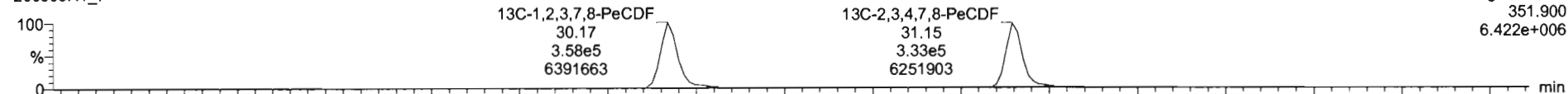


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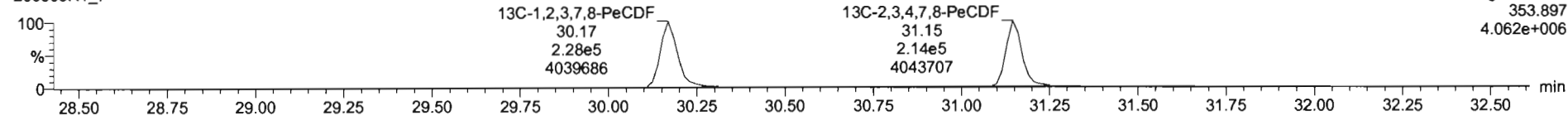


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200605R1_7

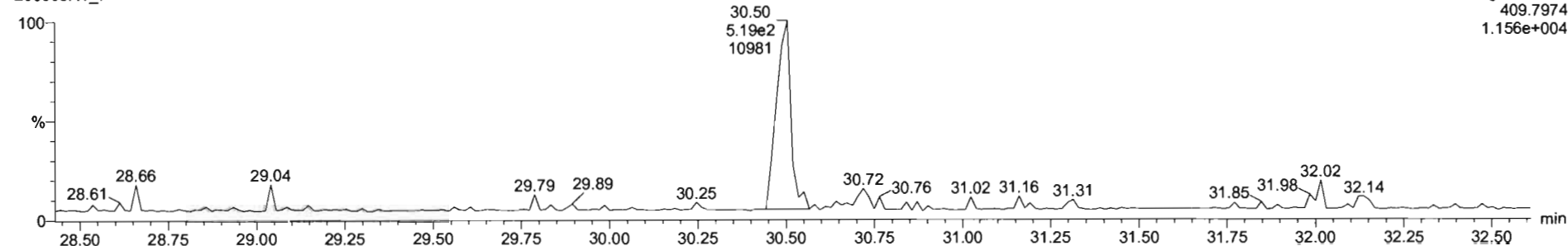


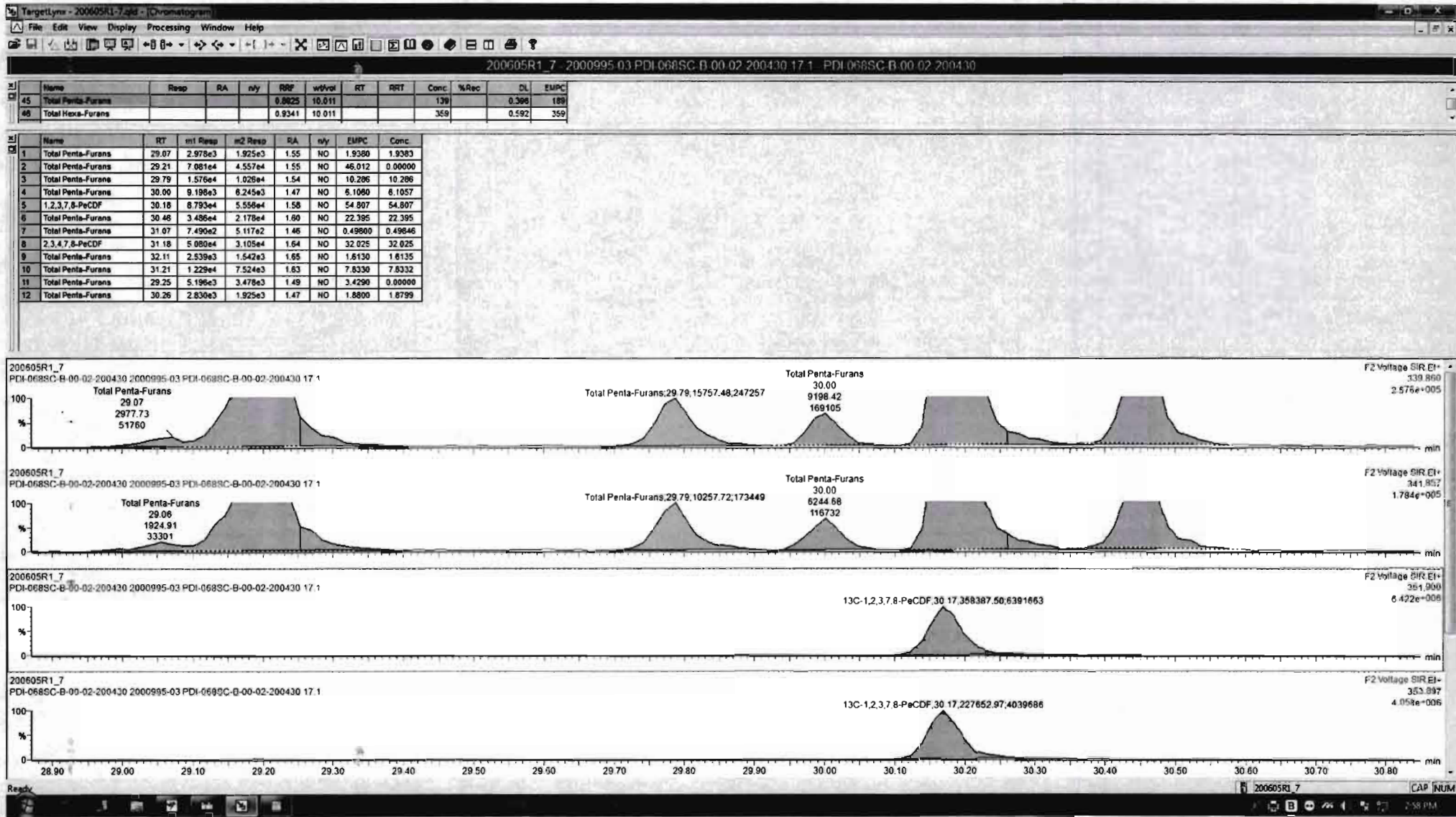
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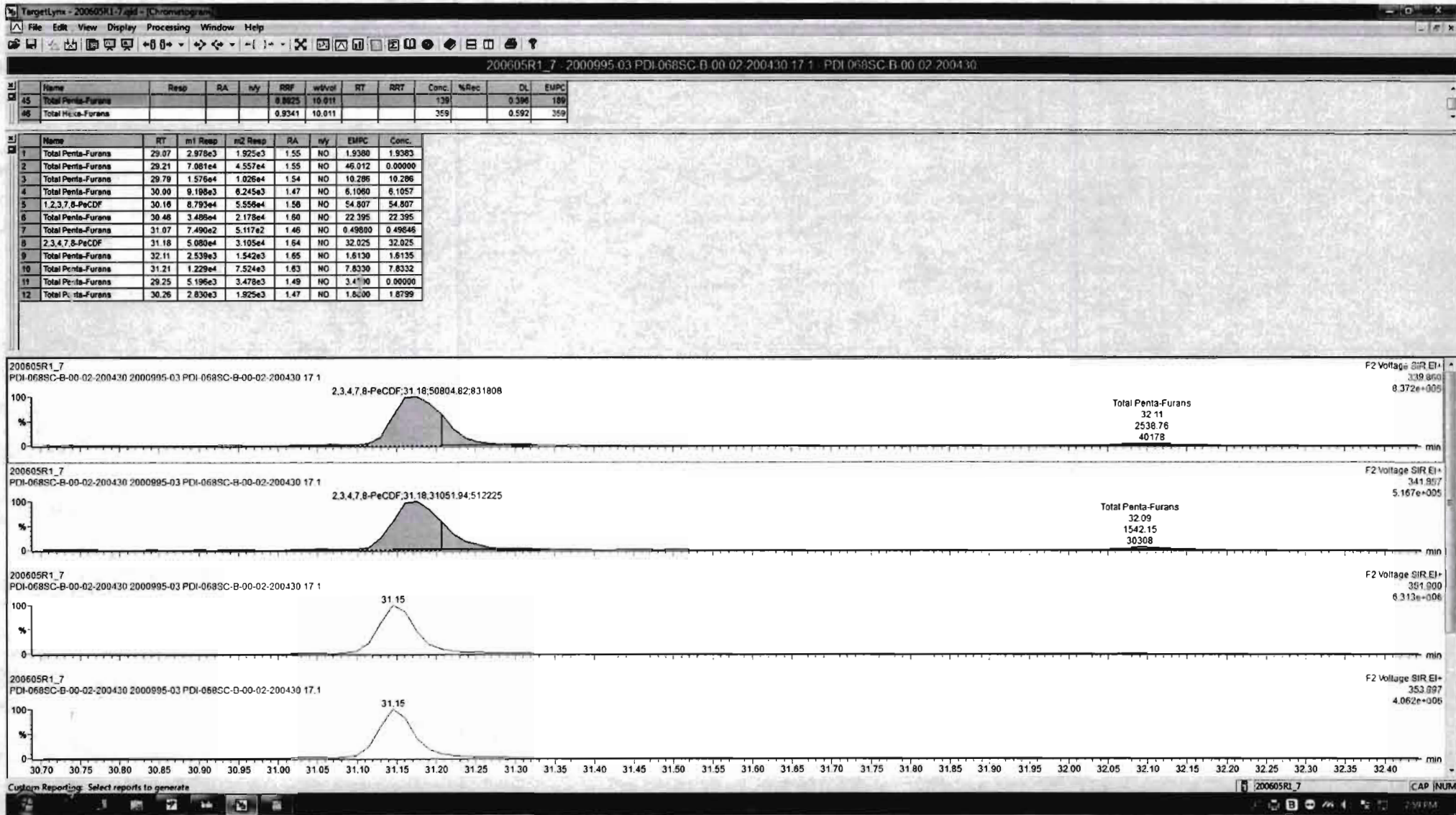


DPE2

200605R1_7





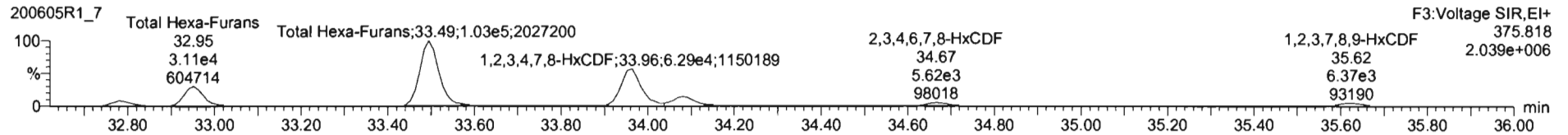
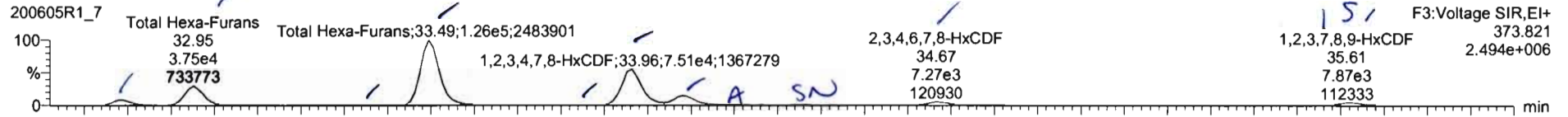


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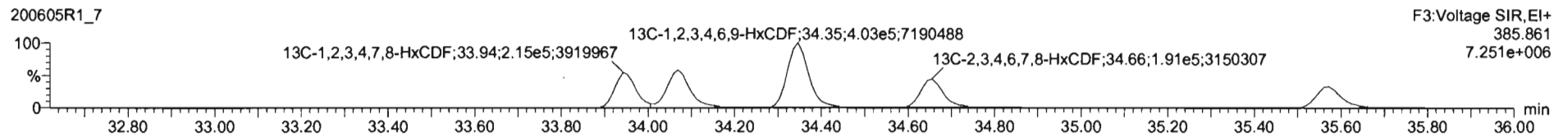
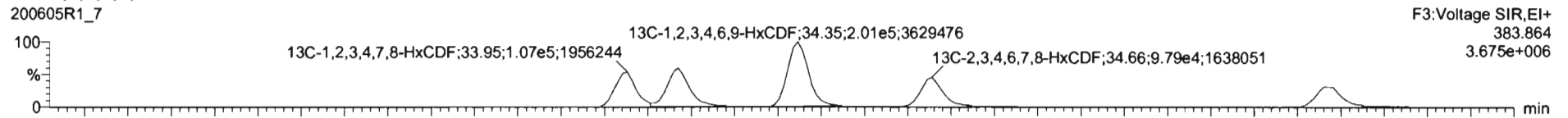
Last Altered: Sunday, June 07, 2020 08:21:27 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

Name: 200605R1_7, Date: 05-Jun-2020, Time: 14:31:40, ID: 2000995-03 PDI-068SC-B-00-02-200430 17.1, Description: PDI-068SC-B-00-02-200430

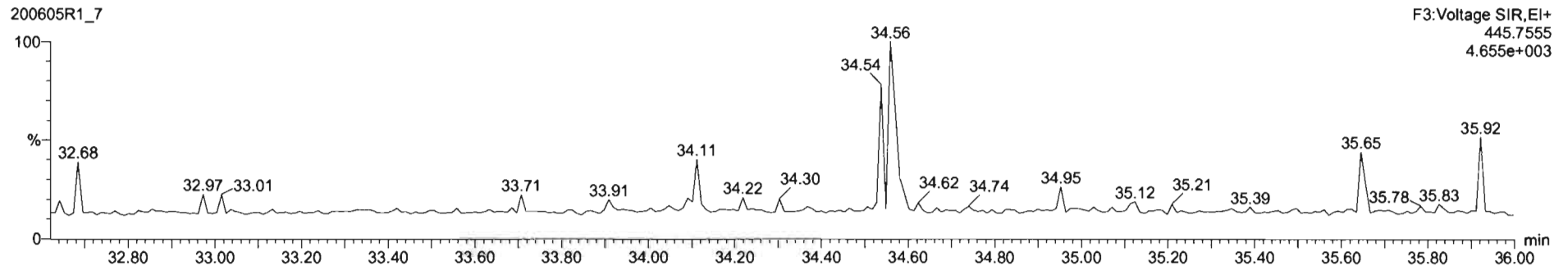
1,2,3,4,7,8-HxCDF

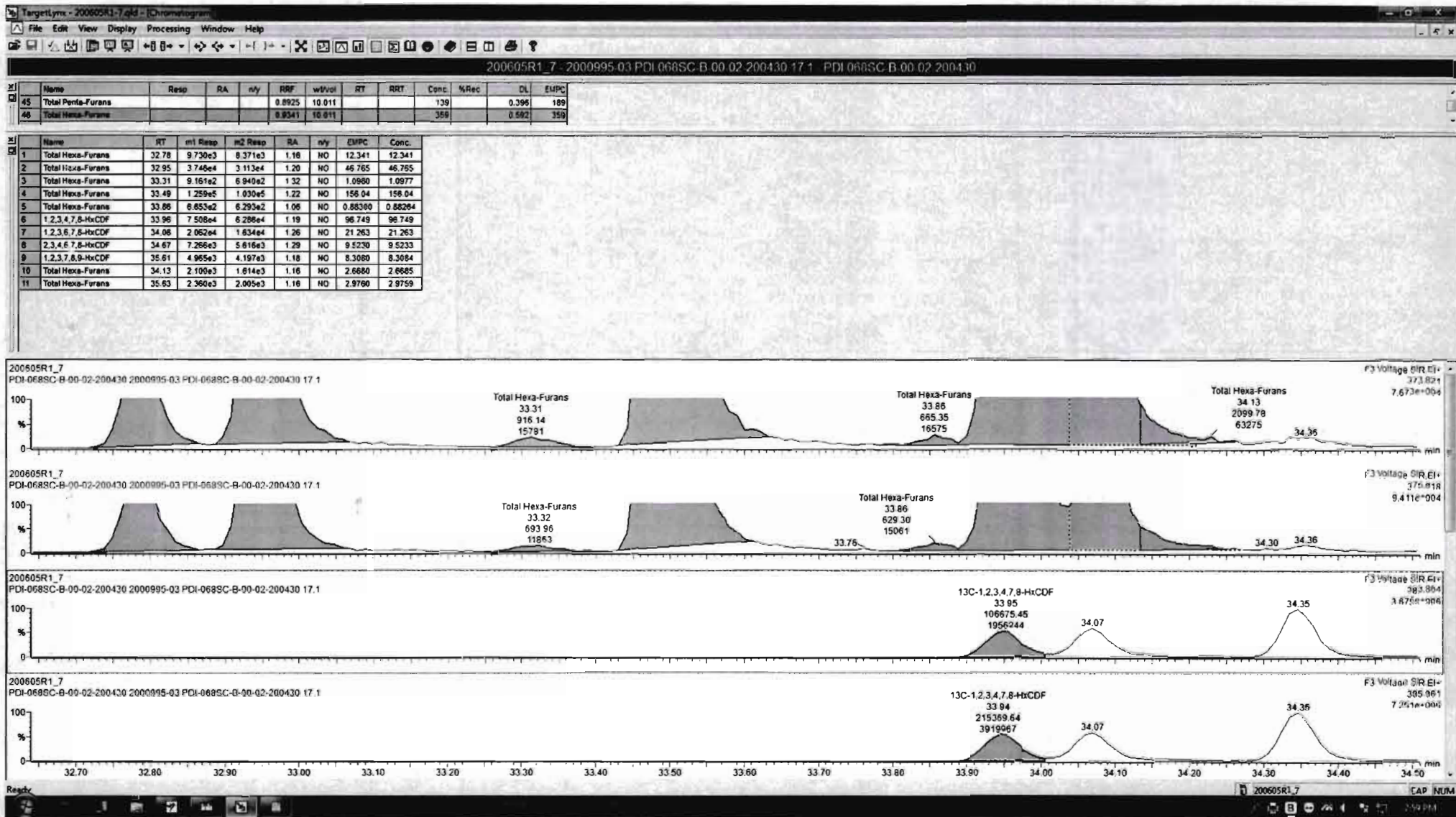


13C-1,2,3,4,7,8-HxCDF



DPE3



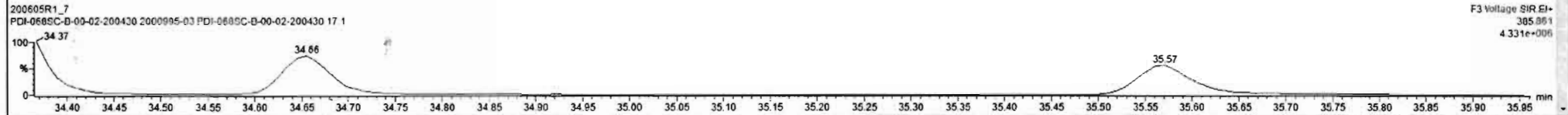
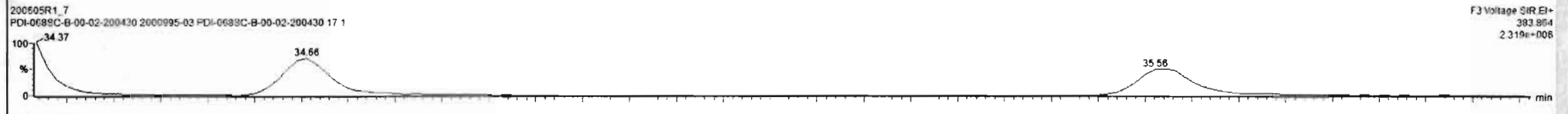
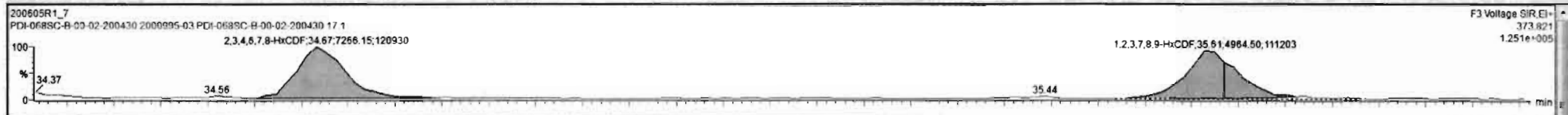


TargetLynx - 200605R1_7.d - (Chromatogram)

200605R1_7 - 2000995-03 PDI-068SC-B-00-02-200430-17-1 - PDI-068SC-B-00-02-200430

#	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
45	Total Penta-Furans				0.8925	10.011			139		0.396	189
46	Total Hexa-Furans				0.9341	10.011			359		0.582	359

#	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	32.78	9.730e3	8.371e3	1.16	NO	12.341	12.341
2	Total Hexa-Furans	32.95	3.746e4	3.113e4	1.20	NO	46.765	46.765
3	Total Hexa-Furans	33.31	8.161e2	6.940e2	1.32	NO	1.0980	1.0977
4	Total Hexa-Furans	33.49	1.259e5	1.030e5	1.22	NO	156.04	156.04
5	Total Hexa-Furans	33.86	6.853e2	6.293e2	1.06	NO	0.88300	0.88284
6	1,2,3,4,7,8-HxCDF	33.98	7.508e4	6.286e4	1.19	NO	98.749	98.749
7	1,2,3,6,7,8-HxCDF	34.08	2.062e4	1.634e4	1.26	NO	21.263	21.263
8	2,3,4,6,7,8-HxCDF	34.67	7.266e3	5.616e3	1.29	NO	9.5230	9.5233
9	1,2,3,7,8,9-HxCDF	35.81	4.965e3	4.197e3	1.18	NO	8.3080	8.3084
10	Total Hexa-Furans	34.13	2.100e3	1.814e3	1.16	NO	2.6680	2.6685
11	Total Hexa-Furans	35.83	2.360e3	2.005e3	1.16	NO	2.9760	2.9759

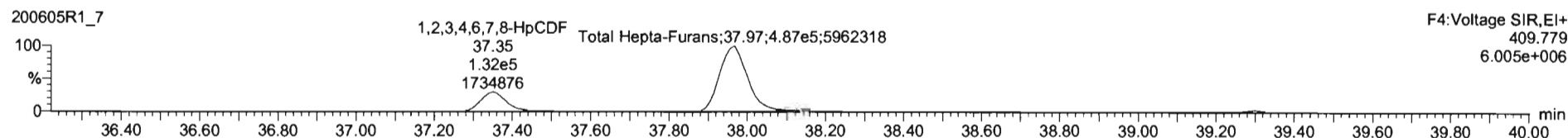
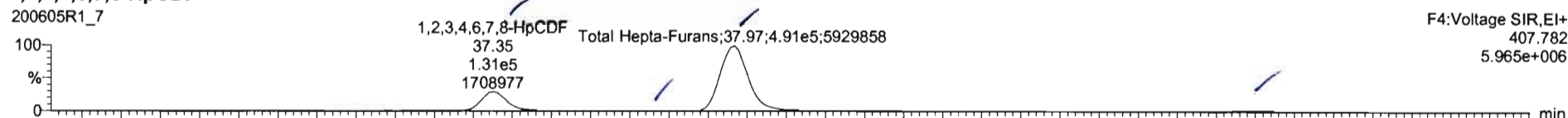


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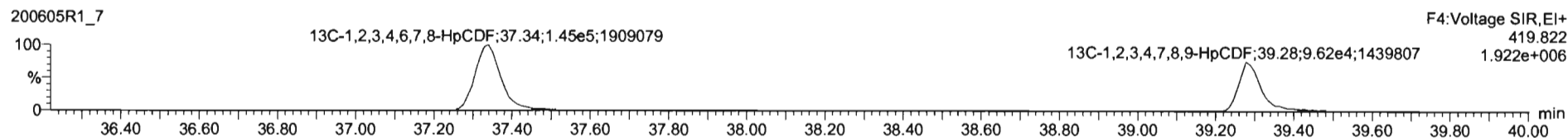
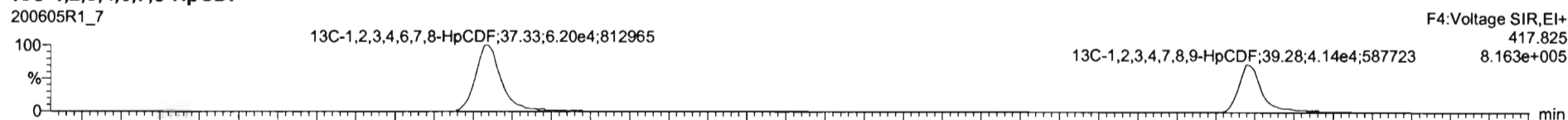
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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

Name: 200605R1_7, Date: 05-Jun-2020, Time: 14:31:40, ID: 2000995-03 PDI-068SC-B-00-02-200430 17.1, Description: PDI-068SC-B-00-02-200430

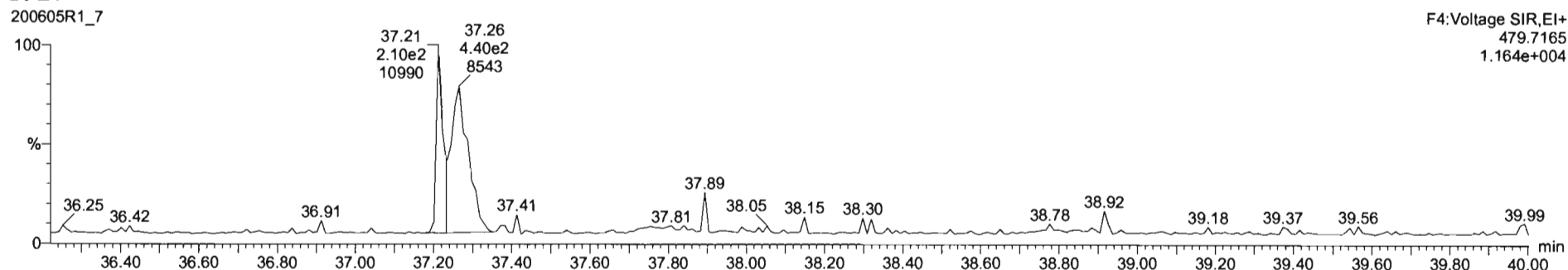
1,2,3,4,6,7,8-HpCDF

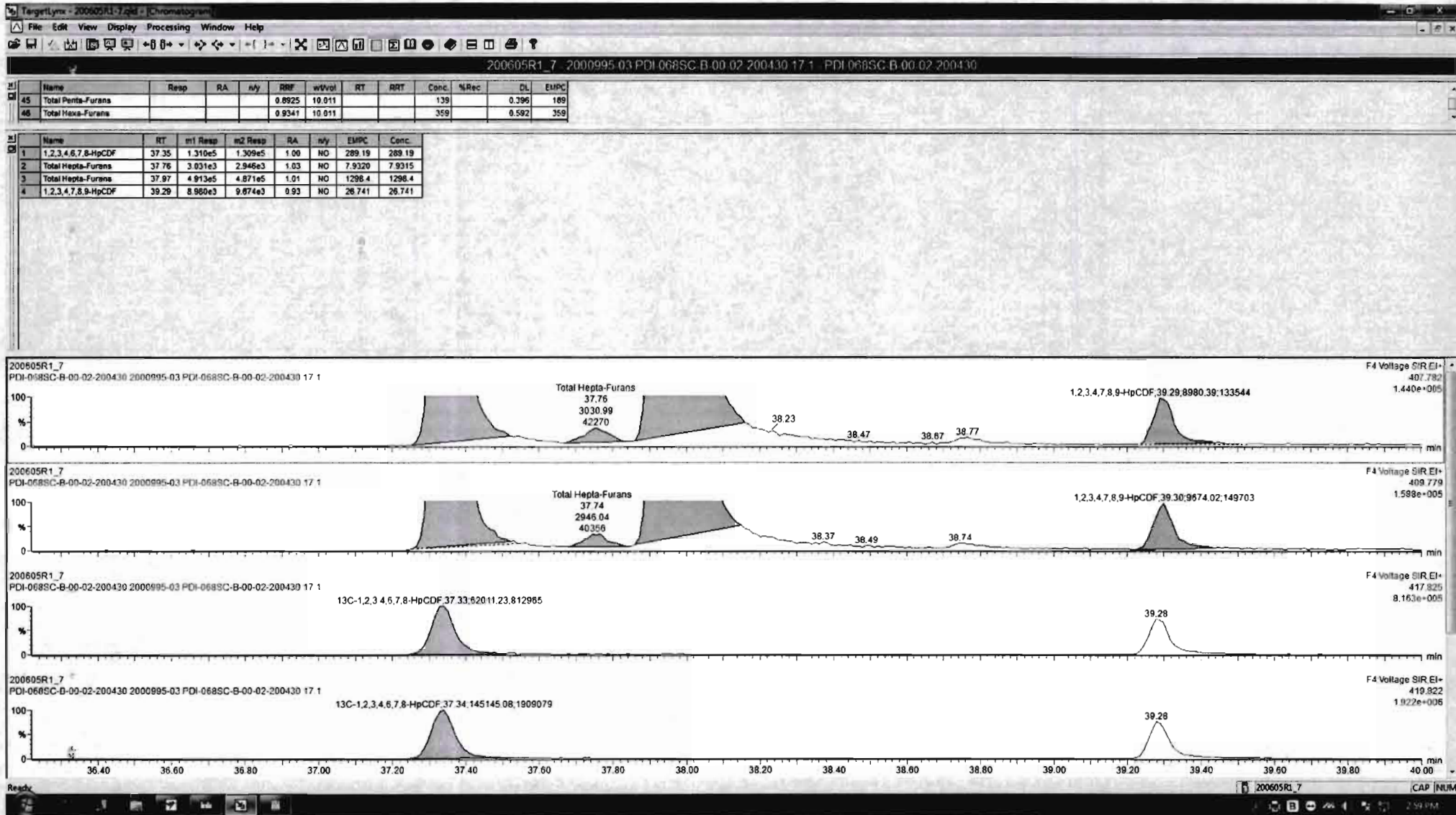


13C-1,2,3,4,6,7,8-HpCDF



DPE4

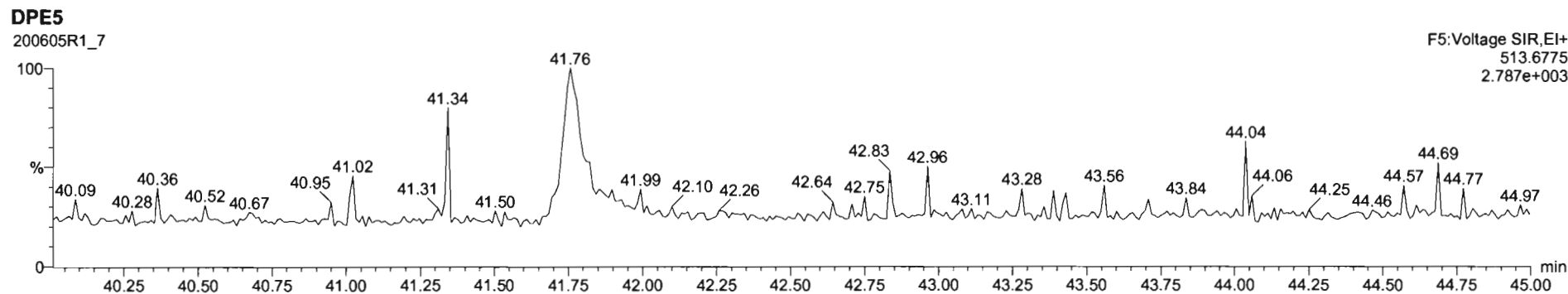
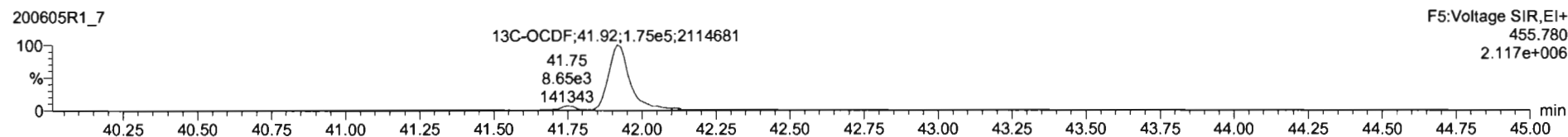
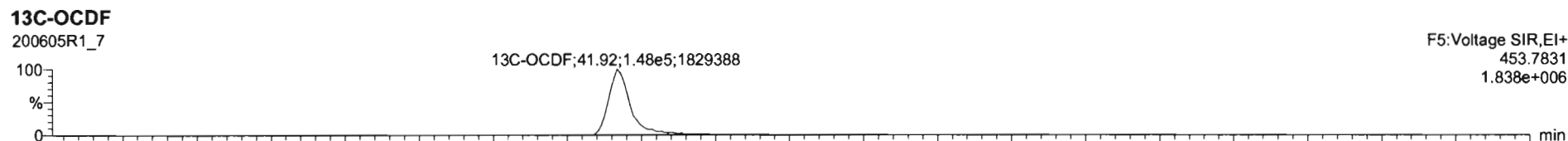
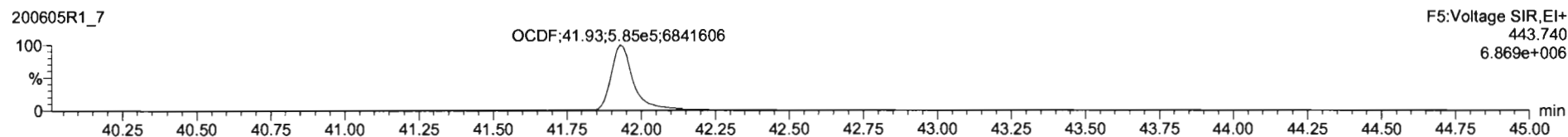
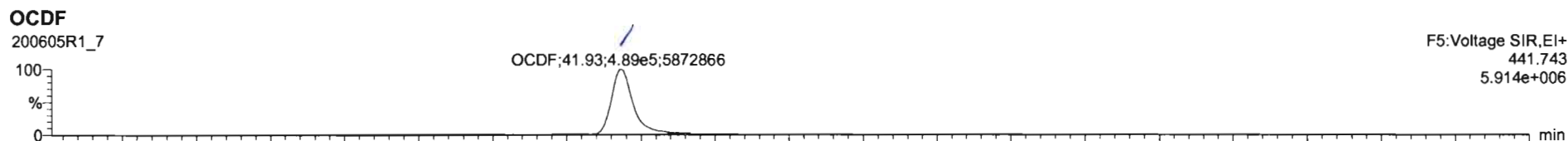




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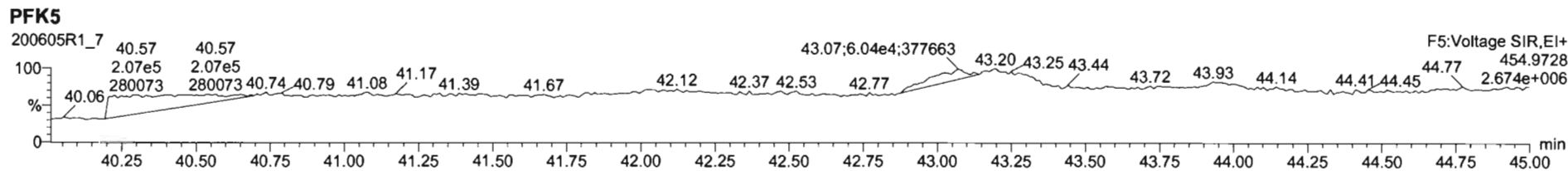
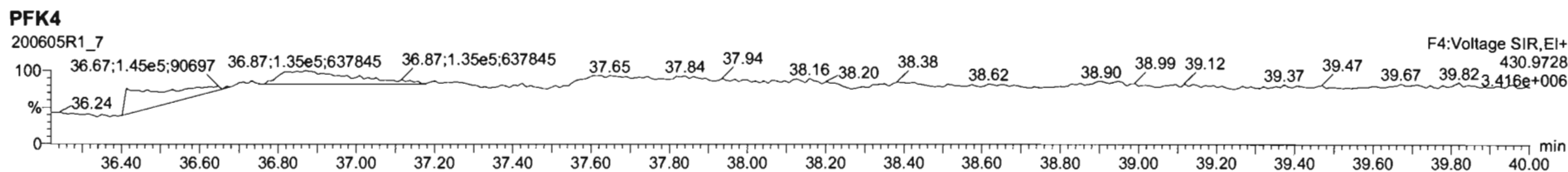
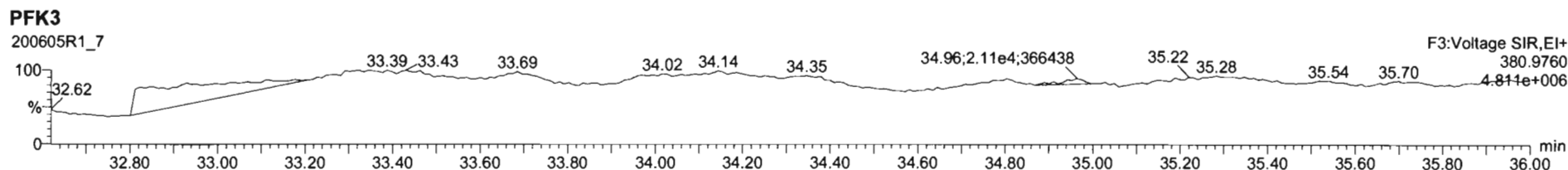
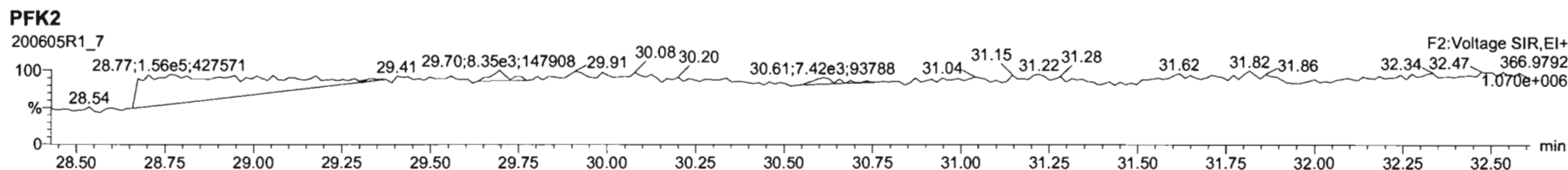
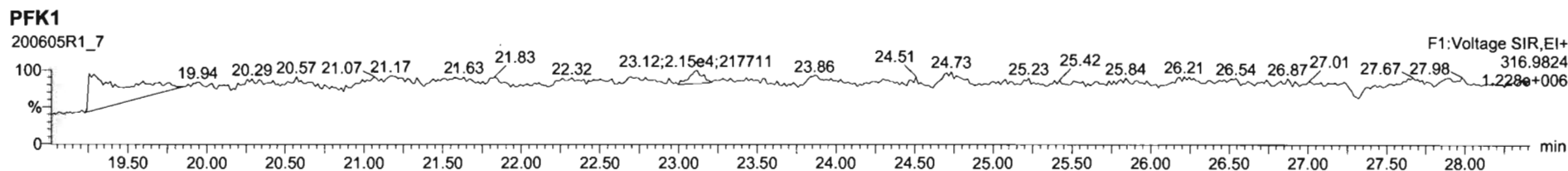
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Dataset: Untitled

Last Altered: Sunday, June 07, 2020 08:21:27 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

Name: 200605R1_7, Date: 05-Jun-2020, Time: 14:31:40, ID: 2000995-03 PDI-068SC-B-00-02-200430 17.1, Description: PDI-068SC-B-00-02-200430



Dataset: U:\VG12.PRO\Results\200608R2\200608R2-9.qld

Last Altered: Tuesday, June 09, 2020 14:08:36 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 14:09:26 Pacific Daylight Time

GRB 06/09/2020

C706/15/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200608R2_9, Date: 09-Jun-2020, Time: 06:22:59, ID: 2000995-03@10X PDI-068SC-B-00-02-200430 17.1, Description: PDI-068SC-B-00-02-200430

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	6 1,2,3,4,6,7,8-HpCDD	4.64e5	1.01	NO	0.864	10.011	38.725	38.72	1.000	1.000	7761.0		21.5	7760
2	7 OCDD	2.15e6	0.88	NO	0.914	10.011	41.706	41.72	1.000	1.000	56714		41.9	56700
3	23 13C-1,2,3,4,6,7,8-HpCDD	1.38e4	1.02	NO	0.689	10.011	38.715	38.71	1.128	1.128	77.309	38.7	2.12	
4	24 13C-OCDD	1.66e4	0.84	NO	0.652	10.011	41.736	41.71	1.216	1.215	98.107	24.6	1.78	
5	35 37Cl-2,3,7,8-TCDD	1.64e4			1.04	10.011	26.476	26.45	1.028	1.027	49.184	61.5	0.476	
6	36 13C-1,2,3,4-TCDD	6.42e4	0.78	NO	1.00	10.011	25.890	25.76	1.000	1.000	199.79	100	2.07	
7	37 13C-1,2,3,4-TCDF	1.00e5	0.75	NO	1.00	10.011	24.360	24.07	1.000	1.000	199.79	100	2.38	
8	38 13C-1,2,3,4,6,9-HxCDF	5.19e4	0.50	NO	1.00	10.011	34.420	34.33	1.000	1.000	199.79	100	2.74	

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200608R2\200608R2-9.qld

Last Altered: Tuesday, June 09, 2020 14:08:36 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 14:09:26 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: 200608R2_9, Date: 09-Jun-2020, Time: 06:22:59, ID: 2000995-03@10X PDI-068SC-B-00-02-200430 17.1, Description: PDI-068SC-B-00-02-200430

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.41	7.285e3	1.221e4	6.637e2	8.181e2	0.81	NO	1.482e3	7.1778	7.1778	1.32
2	Total Tetra-Dioxins	24.73	3.237e3	5.415e3	2.317e2	3.167e2	0.73	NO	5.484e2	2.6565	2.6565	1.32

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.19	1.104e4	1.691e4	8.860e2	1.469e3	0.60	NO	2.355e3	16.808	16.808	2.24
2	Total Penta-Dioxins	29.70	6.913e3	1.365e4	4.046e2	7.208e2	0.56	NO	1.125e3	8.0317	8.0317	2.24
3	Total Penta-Dioxins	30.17	9.308e3	1.105e4	4.345e2	7.273e2	0.60	NO	1.162e3	8.2919	8.2919	2.24
4	Total Penta-Dioxins	30.35	7.740e3	7.007e3	3.090e2	4.079e2	0.76	YES	0.000e0	0.00000	4.7448	2.24
5	Total Penta-Dioxins	30.66	7.279e3	1.720e4	6.376e2	1.310e3	0.49	YES	0.000e0	0.00000	11.774	2.24

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.31	6.867e5	5.542e5	3.468e4	2.745e4	1.26	NO	6.213e4	647.56	647.56	4.99
2	Total Hexa-Dioxins	33.87	5.513e4	3.797e4	2.714e3	2.123e3	1.28	NO	4.837e3	50.415	50.415	4.99
3	Total Hexa-Dioxins	34.12	3.565e5	2.971e5	2.498e4	1.978e4	1.26	NO	4.475e4	466.43	466.43	4.99
4	Total Hexa-Dioxins	34.23	4.554e4	3.958e4	2.766e3	2.467e3	1.12	NO	5.233e3	54.541	54.541	4.99
5	1,2,3,4,7,8-HxCDD	34.81	7.577e3	6.180e3	4.320e2	2.694e2	1.60	YES	7.015e2	0.00000	6.2587	4.46
6	1,2,3,6,7,8-HxCDD	34.91	7.110e4	5.851e4	4.134e3	3.365e3	1.23	NO	7.499e3	68.652	68.652	4.50
7	Total Hexa-Dioxins	35.10	1.856e4	1.667e4	1.164e3	9.938e2	1.17	NO	2.158e3	22.489	22.489	4.99
8	1,2,3,7,8,9-HxCDD	35.19	1.615e4	1.211e4	9.889e2	8.515e2	1.16	NO	1.840e3	19.420	19.420	5.41

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.71	4.793e6	4.621e6	3.832e5	3.742e5	1.02	NO	7.574e5	12661	12661	21.5
2	1,2,3,4,6,7,8-HpCDD	38.72	3.209e6	3.116e6	2.337e5	2.306e5	1.01	NO	4.643e5	7761.0	7761.0	21.5

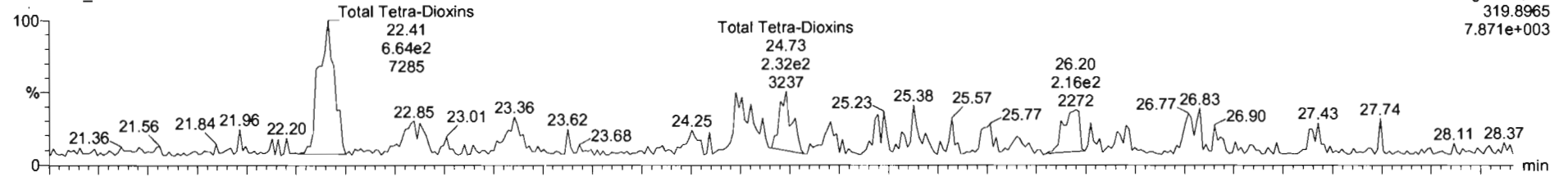
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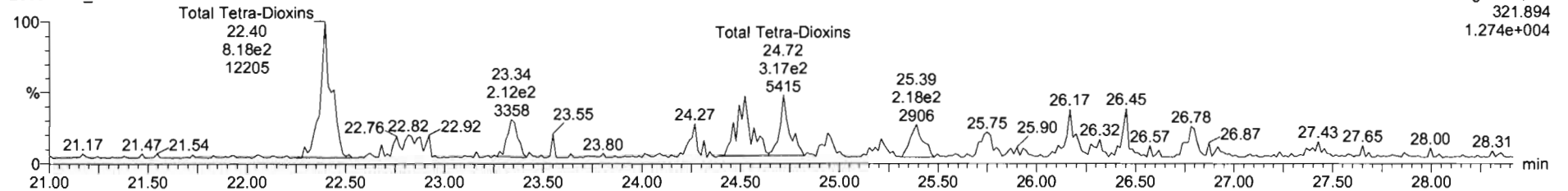
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2,3,7,8-TCDD

200608R2_9

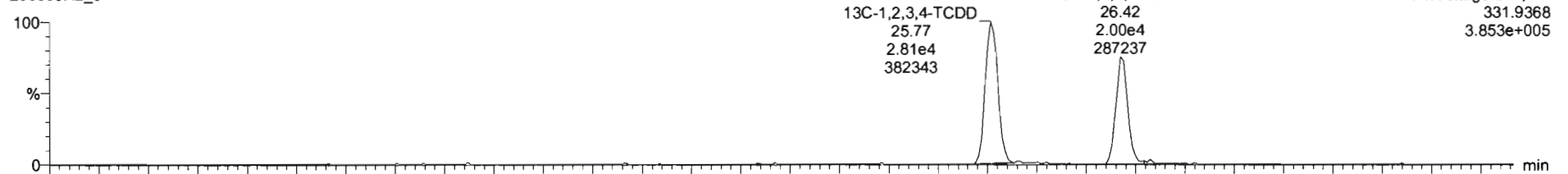


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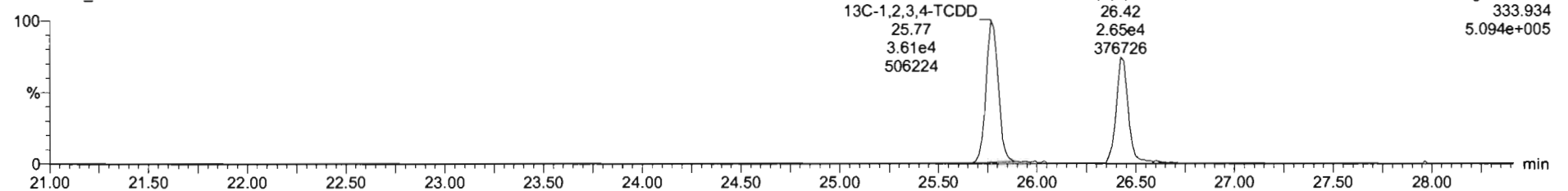


13C-2,3,7,8-TCDD

200608R2_9



200608R2_9



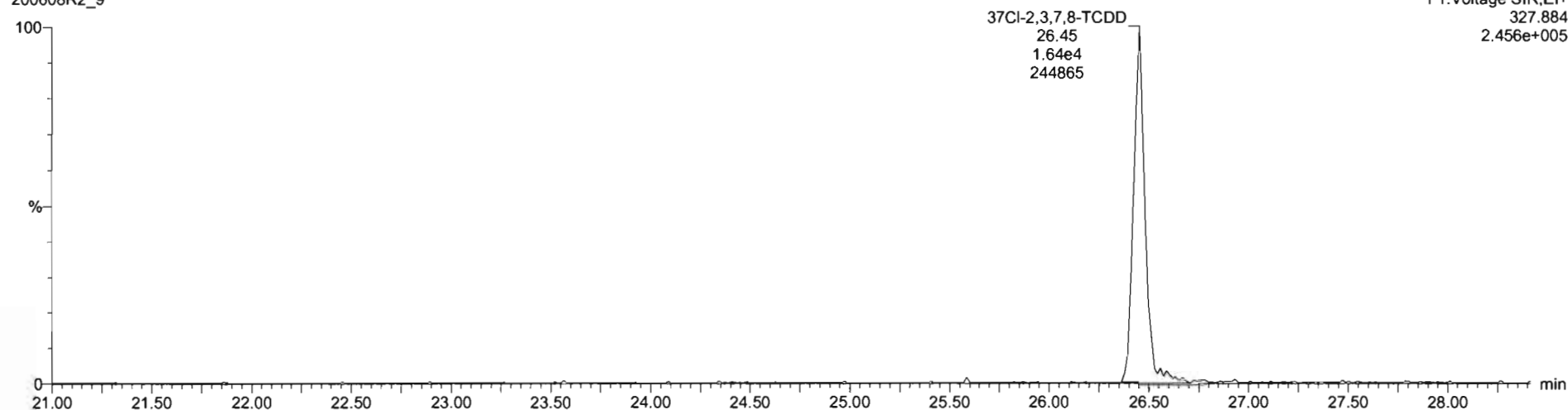
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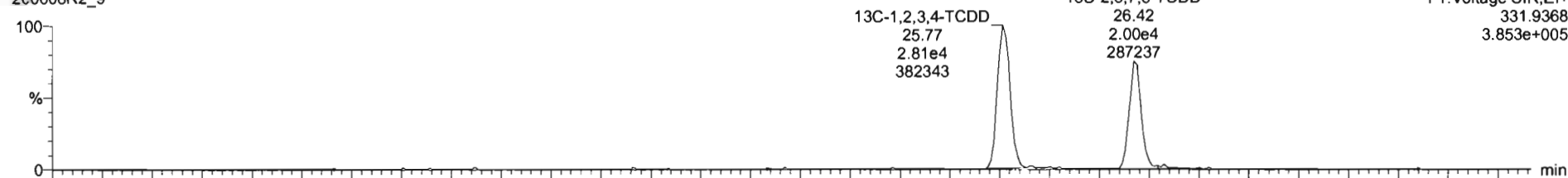
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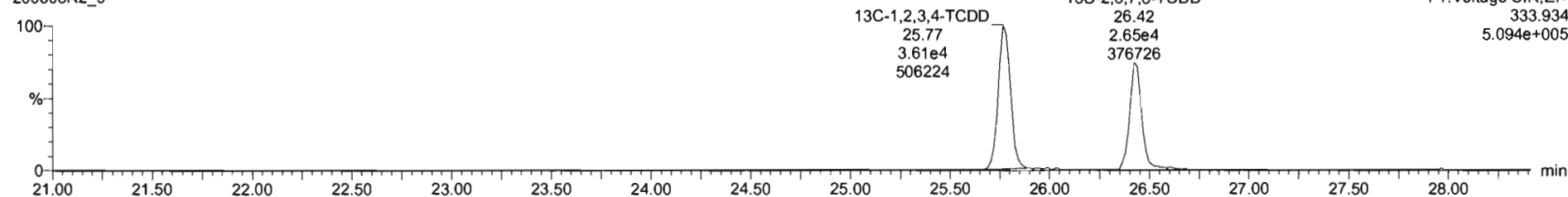


13C-1,2,3,4-TCDD

200608R2_9



200608R2_9



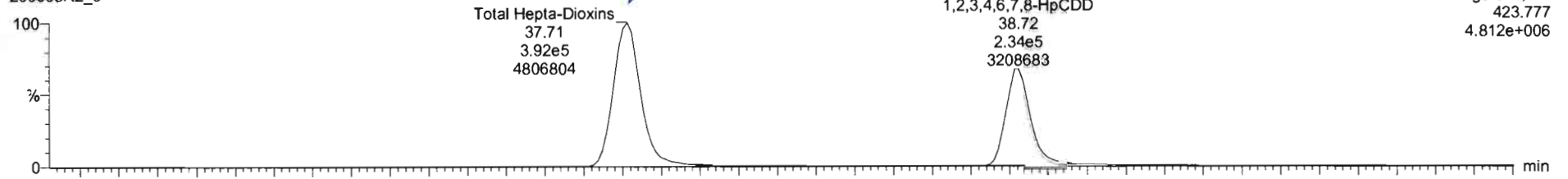
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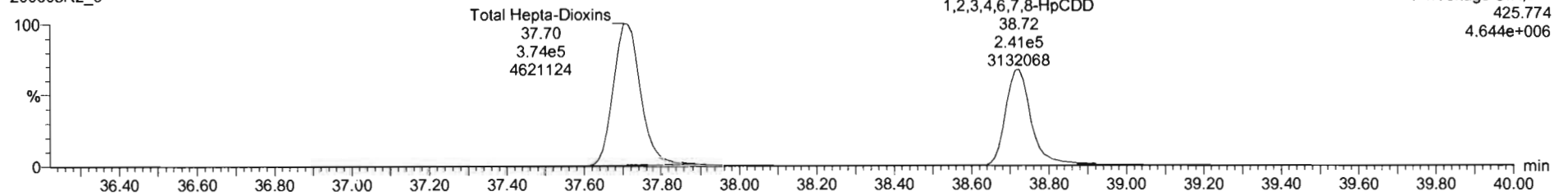
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1,2,3,4,6,7,8-HpCDD

200608R2_9

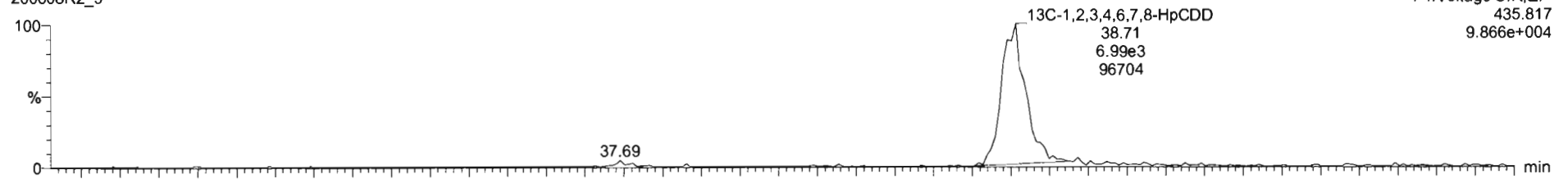


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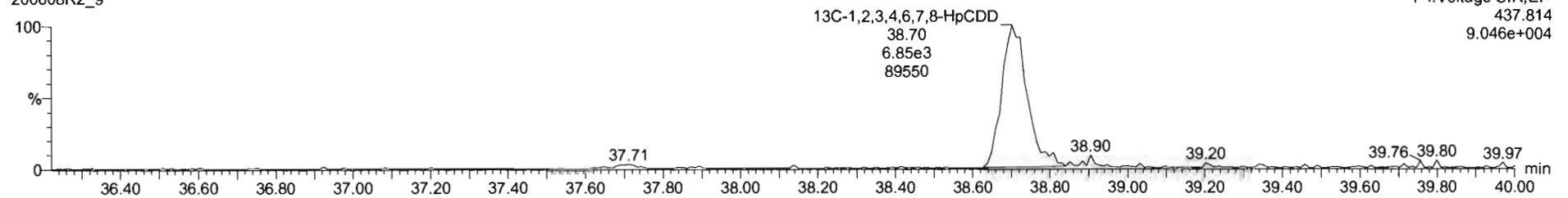


13C-1,2,3,4,6,7,8-HpCDD

200608R2_9



200608R2_9



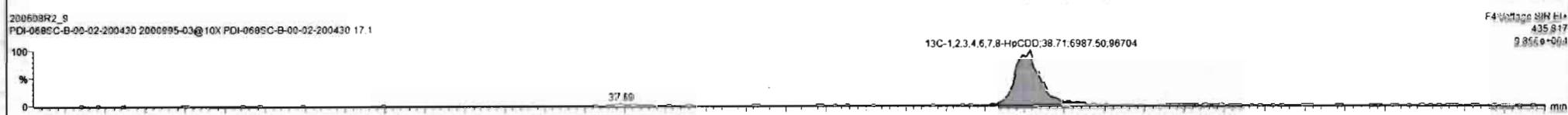
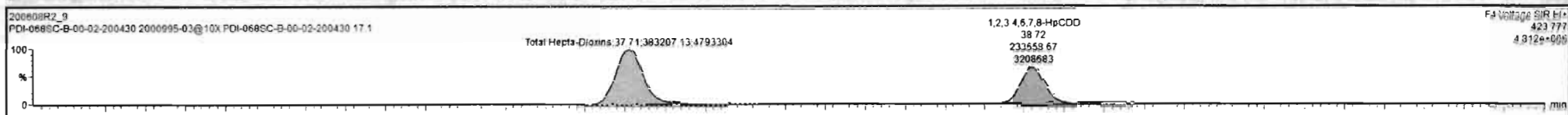
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File Edit View Display Processing Window Help

200608R2_9_2000995_03@10X.PDI.068SC.B.00.02.200430.17.1_PDI.068SC.B.00.02.200430

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
42 Total Hepta-Dioxins				0.8639	10.911			20400		21.5	20400
43 Total Tetra-Furans				0.7510	10.911			151		1.67	156

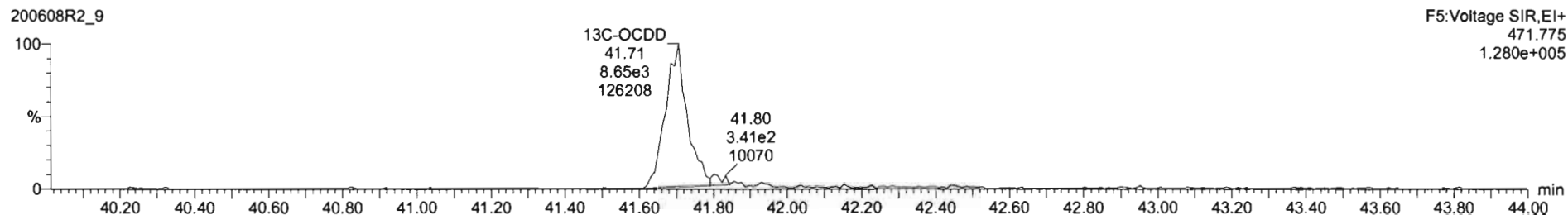
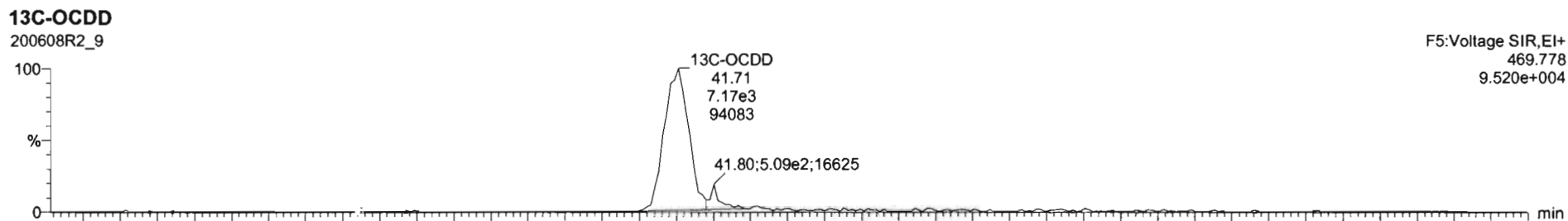
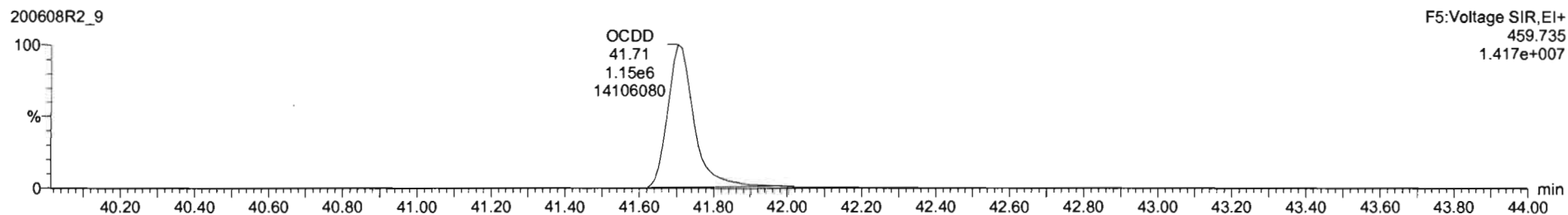
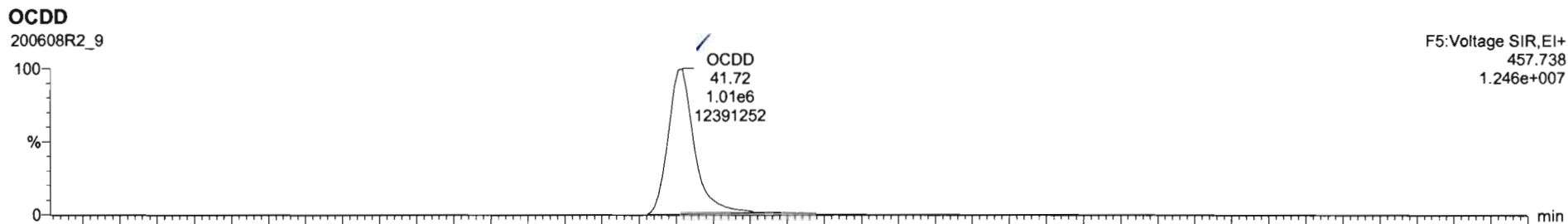
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1 1,2,3,4,6,7,8-HpCDD	38.72	2.337e5	2.306e5	1.01	NO	7761.0	7761.0
2 Total Hepta-Dioxins	37.71	3.832e5	3.742e5	1.02	NO	12661	12661

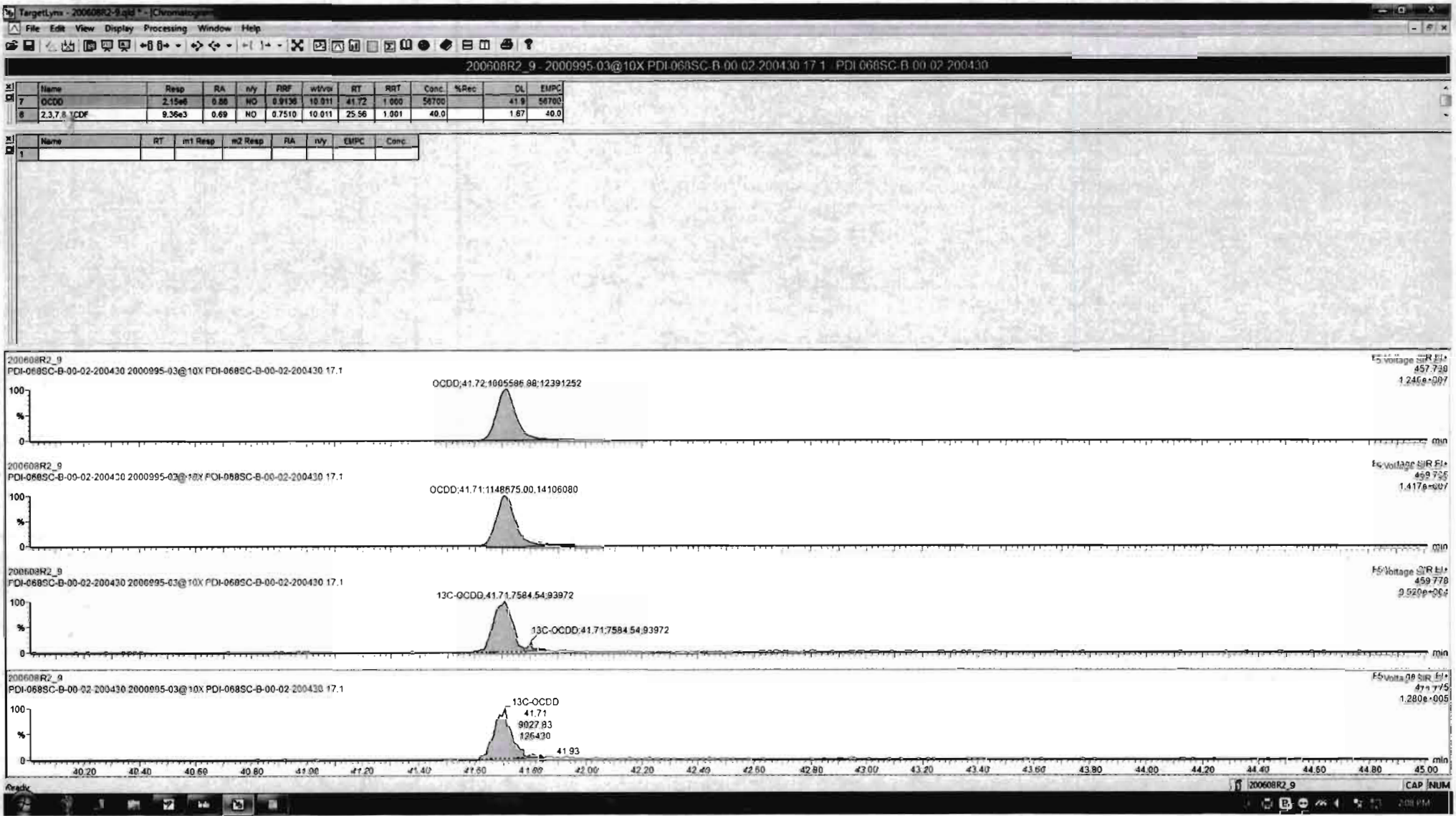


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Name: 200608R2_9, Date: 09-Jun-2020, Time: 06:22:59, ID: 2000995-03@10X PDI-068SC-B-00-02-200430 17.1, Description: PDI-068SC-B-00-02-200430



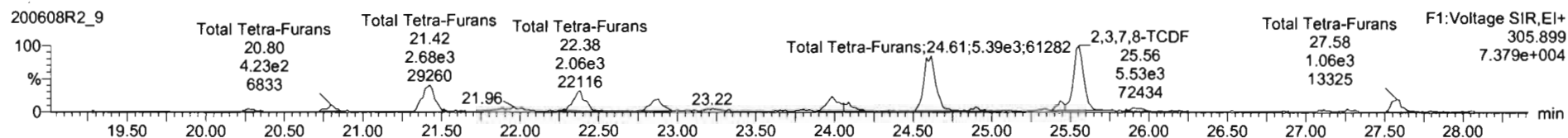
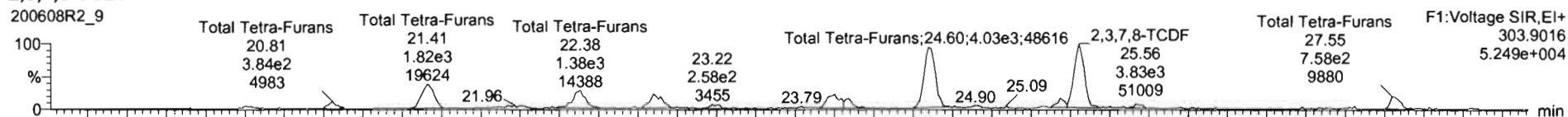


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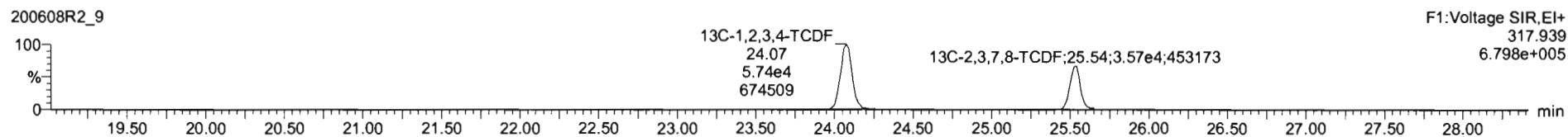
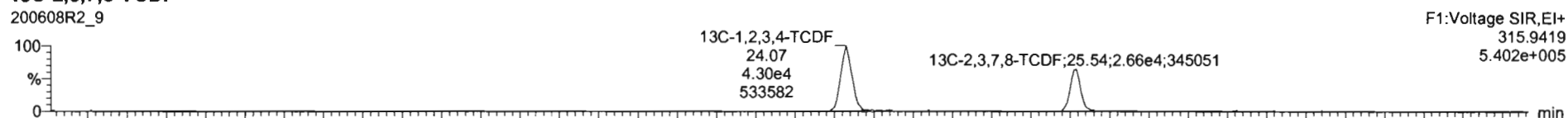
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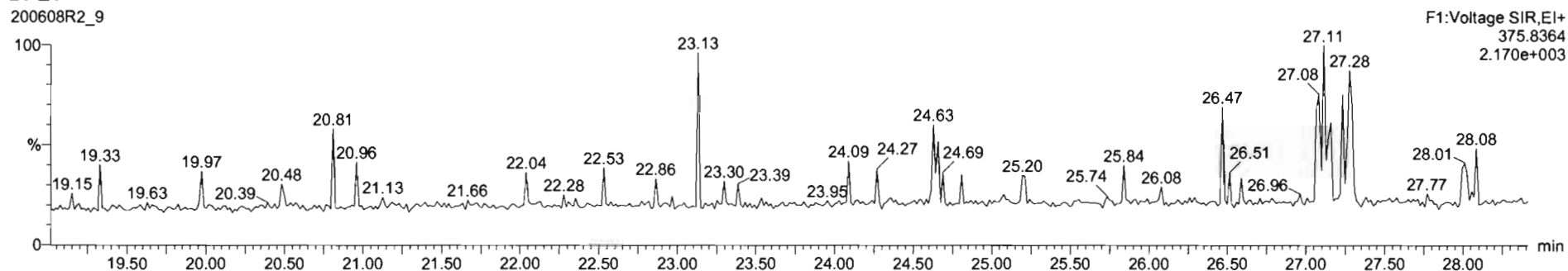
2,3,7,8-TCDF



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



DPE1

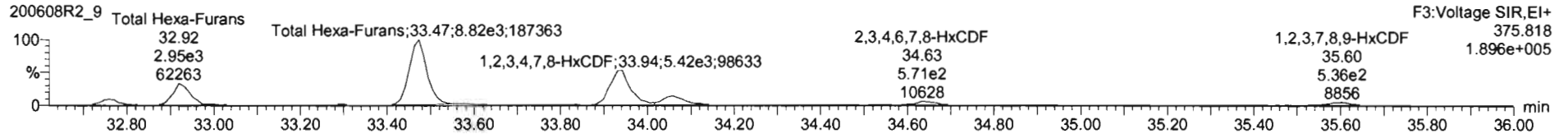
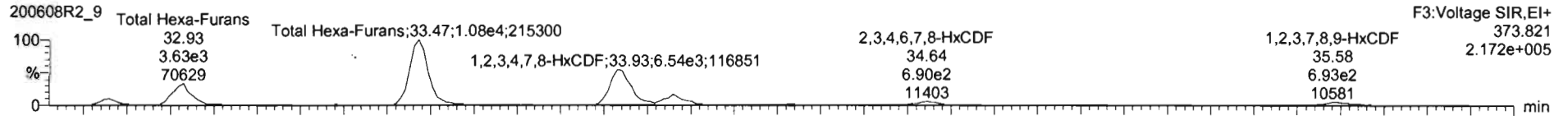


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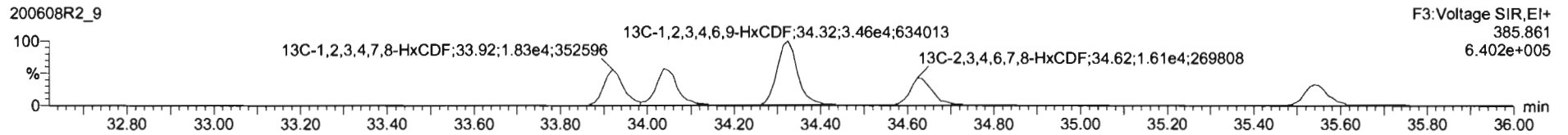
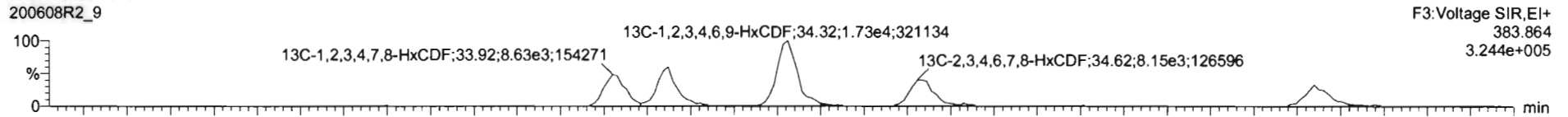
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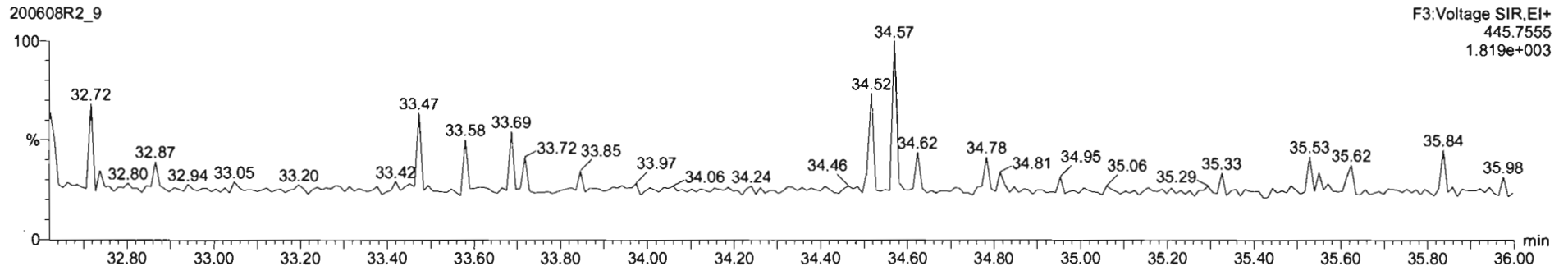
1,2,3,4,7,8-HxCDF



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



DPE3



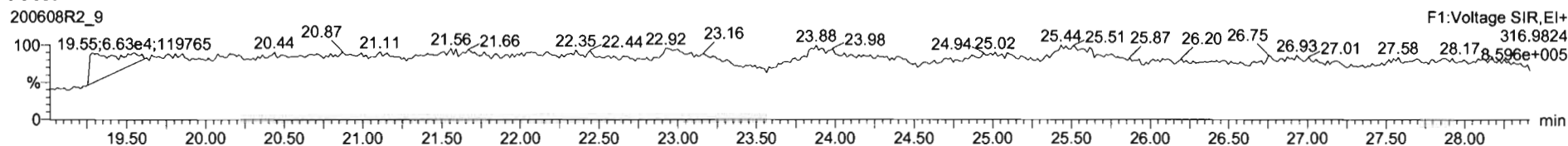
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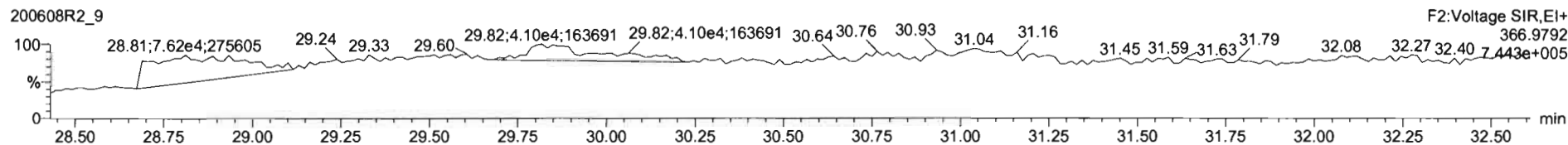
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Name: 200608R2_9, Date: 09-Jun-2020, Time: 06:22:59, ID: 2000995-03@10X PDI-068SC-B-00-02-200430 17.1, Description: PDI-068SC-B-00-02-200430

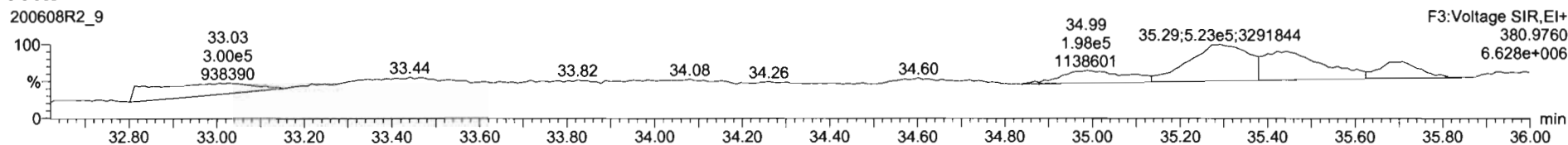
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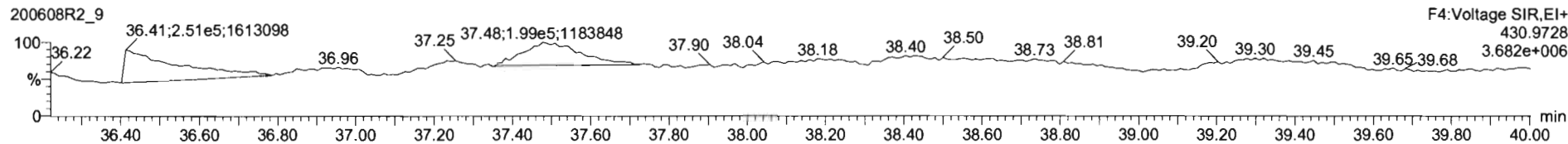
PFK2



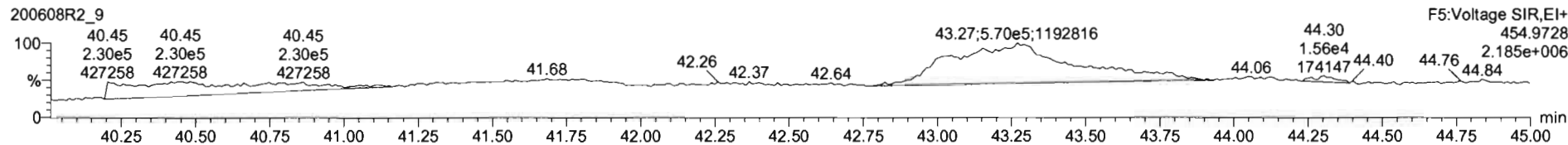
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200605R1\200605R1-8.qld

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GRB 06/10/2020

07 06/15/2020

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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R1_8, Date: 05-Jun-2020, Time: 15:17:52, ID: 2000995-04 PDI-068SC-B-02-05-200430 17.92, Description: PDI-068SC-B-02-05-200430

#	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	0.888	10.017	26.531		1.001				0.283	
2	2 1,2,3,7,8-PeCDD	2.08e3	0.65	NO	0.908	10.017	31.488	31.48	1.001	1.000	1.5172		0.410	1.52
3	3 1,2,3,4,7,8-HxCDD	9.68e2	1.15	NO	1.03	10.017	34.846	34.84	1.000	1.000	0.93552		0.446	0.936
4	4 1,2,3,6,7,8-HxCDD	1.19e4	1.21	NO	0.892	10.017	34.932	34.94	1.000	1.000	10.794		0.497	10.8
5	5 1,2,3,7,8,9-HxCDD	3.26e3	1.24	NO	0.887	10.017	35.231	35.24	1.000	1.001	3.7418		0.625	3.74
6	6 1,2,3,4,6,7,8-HpCDD	1.98e5	1.04	NO	0.864	10.017	38.767	38.77	1.000	1.000	377.70		2.22	378
7	7 OCDD	1.84e6	0.87	NO	0.914	10.017	41.727	41.74	1.000	1.000	5328.0		4.69	5330
8	8 2,3,7,8-TCDF	2.80e3	0.75	NO	0.751	10.017	25.641	25.63	1.001	1.001	1.4497	<i>OK</i>	0.286	1.45
9	9 1,2,3,7,8-PeCDF	2.09e3	1.74	NO	0.893	10.017	30.205	30.20	1.001	1.001	1.0338		0.317	1.03
10	10 2,3,4,7,8-PeCDF	1.83e4	1.53	NO	0.935	10.017	31.192	31.21	1.001	1.001	9.2655		0.293	9.27
11	11 1,2,3,4,7,8-HxCDF	7.03e3	1.15	NO	0.884	10.017	33.952	33.96	1.000	1.000	6.4808		0.528	6.48
12	12 1,2,3,6,7,8-HxCDF	5.92e3	1.19	NO	0.889	10.017	34.090	34.10	1.000	1.001	4.6276		0.455	4.63
13	13 2,3,4,6,7,8-HxCDF	9.85e3	1.20	NO	0.934	10.017	34.701	34.68	1.001	1.000	9.1453		0.541	9.15
14	14 1,2,3,7,8,9-HxCDF	1.58e3	1.34	NO	0.871	10.017	35.582	35.65	1.000	1.002	1.9218		0.885	1.92
15	15 1,2,3,4,6,7,8-HpCDF	2.58e5	1.00	NO	0.873	10.017	37.386	37.37	1.001	1.001	361.32		0.909	361
16	16 1,2,3,4,7,8,9-HpCDF	1.59e3	0.95	NO	1.01	10.017	39.299	39.31	1.000	1.000	3.1128		1.11	3.11
17	17 OCDF	8.37e4	0.85	NO	0.806	10.017	41.918	41.93	1.000	1.000	203.04		1.46	203
18	18 13C-2,3,7,8-TCDD	4.30e5	0.81	NO	1.16	10.017	26.538	26.50	1.026	1.025	94.699	47.4	0.273	
19	19 13C-1,2,3,7,8-PeCDD	3.01e5	0.63	NO	0.849	10.017	31.729	31.47	1.227	1.217	90.220	45.2	0.258	
20	20 13C-1,2,3,4,7,8-HxCDD	2.00e5	1.29	NO	0.779	10.017	34.841	34.84	1.014	1.014	82.273	41.2	0.586	
21	21 13C-1,2,3,6,7,8-HxCDD	2.46e5	1.28	NO	1.02	10.017	34.955	34.93	1.017	1.017	77.664	38.9	0.449	
22	22 13C-1,2,3,7,8,9-HxCDD	1.96e5	1.26	NO	0.903	10.017	35.226	35.22	1.025	1.025	69.662	34.9	0.506	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.21e5	1.06	NO	0.689	10.017	38.751	38.76	1.128	1.128	56.464	28.3	0.339	
24	24 13C-OCDD	1.51e5	0.89	NO	0.652	10.017	41.775	41.73	1.216	1.215	74.225	18.6	0.262	
25	25 13C-2,3,7,8-TCDF	5.14e5	0.75	NO	1.06	10.017	25.578	25.61	0.989	0.991	86.242	43.2	0.314	
26	26 13C-1,2,3,7,8-PeCDF	4.51e5	1.63	NO	0.838	10.017	30.111	30.18	1.165	1.167	95.687	47.9	0.443	
27	27 13C-2,3,4,7,8-PeCDF	4.22e5	1.63	NO	0.817	10.017	31.065	31.16	1.202	1.205	91.828	46.0	0.455	
28	28 13C-1,2,3,4,7,8-HxCDF	2.45e5	0.50	NO	1.01	10.017	33.972	33.95	0.989	0.988	77.834	39.0	0.621	
29	29 13C-1,2,3,6,7,8-HxCDF	2.87e5	0.50	NO	1.17	10.017	34.096	34.08	0.992	0.992	78.855	39.5	0.536	
30	30 13C-2,3,4,6,7,8-HxCDF	2.30e5	0.49	NO	1.02	10.017	34.670	34.67	1.009	1.009	72.163	36.1	0.612	
31	31 13C-1,2,3,7,8,9-HxCDF	1.89e5	0.50	NO	0.860	10.017	35.570	35.58	1.035	1.036	70.376	35.2	0.728	

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-8.qld

Last Altered: Wednesday, June 10, 2020 2:37:45 PM Pacific Daylight Time
Printed: Wednesday, June 10, 2020 2:38:17 PM Pacific Daylight Time

Name: 200605R1_8, Date: 05-Jun-2020, Time: 15:17:52, ID: 2000995-04 PDI-068SC-B-02-05-200430 17.92, Description: PDI-068SC-B-02-05-200430

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.63e5	0.42	NO	0.774	10.017	37.319	37.35	1.086	1.087	67.453	33.8	0.323	
33	13C-1,2,3,4,7,8,9-HpCDF	1.01e5	0.40	NO	0.521	10.017	39.349	39.30	1.145	1.144	61.983	31.0	0.480	
34	13C-OCDF	2.04e5	0.90	NO	0.746	10.017	41.946	41.92	1.221	1.220	87.714	22.0	0.353	
35	37Cl-2,3,7,8-TCDD	1.58e5			1.04	10.017	26.569	26.53	1.028	1.026	38.723	48.5	0.0425	
36	13C-1,2,3,4-TCDD	7.85e5	0.80	NO	1.00	10.017	25.890	25.85	1.000	1.000	199.66	100	0.316	
37	13C-1,2,3,4-TCDF	1.12e6	0.78	NO	1.00	10.017	24.360	24.16	1.000	1.000	199.66	100	0.332	
38	13C-1,2,3,4,6,9-HxCDF	6.23e5	0.51	NO	1.00	10.017	34.420	34.36	1.000	1.000	199.66	100	0.625	
39	Total Tetra-Dioxins				0.888	10.017	24.620		0.000		6.6830		0.283	7.25
40	Total Penta-Dioxins				0.908	10.017	29.960		0.000		20.745		0.410	22.9
41	Total Hexa-Dioxins				0.892	10.017	33.635		0.000		56.318		0.541	112
42	Total Hepta-Dioxins				0.864	10.017	37.640		0.000		976.87		2.22	977
43	Total Tetra-Furans				0.751	10.017	23.610		0.000		93.877		0.286	94.6
44	1st Func. Penta-Furans				0.893	10.017	27.580		0.000		124.07		0.125	124
45	Total Penta-Furans				0.893	10.017	29.275		0.000		69.425		0.312	69.4
46	Total Hexa-Furans				0.934	10.017	33.555		0.000		283.71		0.554	284
47	Total Hepta-Furans				0.873	10.017	37.835		0.000		727.17		1.05	727

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-8.qld

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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

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Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.53	1.623e4	1.985e4	1.563e3	1.910e3	0.82	NO	3.473e3	1.8141	1.8141	0.283
2	Total Tetra-Dioxins	22.97	7.079e3	1.161e4	6.140e2	8.655e2	0.71	NO	1.479e3	0.77281	0.77281	0.283
3	Total Tetra-Dioxins	23.48	2.783e3	6.475e3	2.685e2	3.602e2	0.75	NO	6.288e2	0.32843	0.32843	0.283
4	Total Tetra-Dioxins	24.37	4.062e3	5.883e3	3.226e2	3.999e2	0.81	NO	7.226e2	0.37743	0.37743	0.283
5	Total Tetra-Dioxins	24.60	9.602e3	1.325e4	9.125e2	1.212e3	0.75	NO	2.124e3	1.1097	1.1097	0.283
6	Total Tetra-Dioxins	24.81	1.007e4	1.475e4	9.294e2	1.143e3	0.81	NO	2.073e3	1.0826	1.0826	0.283
7	Total Tetra-Dioxins	25.03	6.541e3	5.091e3	2.871e2	3.288e2	0.87	NO	6.159e2	0.32174	0.32174	0.283
8	Total Tetra-Dioxins	25.48	4.795e3	7.280e3	3.421e2	4.908e2	0.70	NO	8.329e2	0.43507	0.43507	0.283
9	Total Tetra-Dioxins	26.23	9.294e3	5.732e3	5.414e2	6.089e2	0.89	YES	0.000e0	0.00000	0.56301	0.283
10	Total Tetra-Dioxins	26.86	6.285e3	9.807e3	3.787e2	4.659e2	0.81	NO	8.446e2	0.44118	0.44118	0.283

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.27	6.232e4	9.123e4	4.542e3	7.059e3	0.64	NO	1.160e4	8.4751	8.4751	0.410
2	Total Penta-Dioxins	29.74	9.441e3	1.893e4	4.365e2	7.664e2	0.57	NO	1.203e3	0.87877	0.87877	0.410
3	Total Penta-Dioxins	30.25	3.515e4	6.815e4	2.404e3	3.747e3	0.64	NO	6.151e3	4.4937	4.4937	0.410
4	Total Penta-Dioxins	30.40	2.055e4	2.852e4	1.155e3	1.842e3	0.63	NO	2.997e3	2.1896	2.1896	0.410
5	Total Penta-Dioxins	30.50	1.747e4	2.867e4	7.601e2	1.376e3	0.55	NO	2.136e3	1.5606	1.5606	0.410
6	Total Penta-Dioxins	30.70	1.340e4	2.194e4	6.246e2	1.046e3	0.60	NO	0.000e0	0.00000	1.2203	0.410
7	Total Penta-Dioxins	30.75	1.139e4	1.605e4	4.815e2	7.553e2	0.64	NO	0.000e0	0.00000	0.90352	0.410
8	Total Penta-Dioxins	31.05	5.045e3	1.093e4	2.736e2	4.813e2	0.57	NO	7.548e2	0.55144	0.55144	0.410
9	1,2,3,7,8-PeCDD	31.48	1.236e4	2.188e4	8.178e2	1.259e3	0.65	NO	2.077e3	1.5172	1.5172	0.410
10	Total Penta-Dioxins	31.56	6.688e3	8.189e3	2.765e2	3.826e2	0.72	NO	6.591e2	0.48152	0.48152	0.410
11	Total Penta-Dioxins	31.86	7.570e3	9.306e3	3.353e2	4.820e2	0.70	NO	8.173e2	0.59708	0.59708	0.410

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	33.33	3.466e5	2.770e5	1.888e4	1.497e4	1.26	NO	3.385e4	35.357	35.357	0.541
2	Total Hexa-Dioxins	33.90	5.144e4	3.483e4	2.568e3	1.849e3	1.39	NO	4.417e3	4.6142	4.6142	0.541
3	Total Hexa-Dioxins	34.15	4.134e5	3.498e5	2.790e4	2.307e4	1.21	NO	0.000e0	0.00000	53.240	0.541
4	Total Hexa-Dioxins	34.24	2.418e4	1.777e4	1.580e3	1.201e3	1.32	NO	0.000e0	0.00000	2.9048	0.541
5	1,2,3,4,7,8-HxCDD	34.84	9.502e3	9.537e3	5.171e2	4.513e2	1.15	NO	9.684e2	0.93552	0.93552	0.446
6	1,2,3,6,7,8-HxCDD	34.94	1.046e5	8.832e4	6.511e3	5.375e3	1.21	NO	1.189e4	10.794	10.794	0.497
7	Total Hexa-Dioxins	35.12	7.104e3	4.967e3	4.788e2	3.596e2	1.33	NO	8.385e2	0.87580	0.87580	0.541
8	1,2,3,7,8,9-HxCDD	35.24	2.577e4	2.417e4	1.805e3	1.457e3	1.24	NO	3.262e3	3.7418	3.7418	0.625

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.75	2.036e6	1.977e6	1.591e5	1.557e5	1.02	NO	3.148e5	599.16	599.16	2.22
2	1,2,3,4,6,7,8-HpCDD	38.77	1.394e6	1.354e6	1.009e5	9.752e4	1.04	NO	1.985e5	377.70	377.70	2.22

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Vista Analytical Laboratory

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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	20.38	1.242e4	1.597e4	1.029e3	1.336e3	0.77	NO	2.365e3	1.2237	1.2237	0.286
2	Total Tetra-Furans	20.92	4.353e4	6.066e4	3.793e3	5.070e3	0.75	NO	8.863e3	4.5851	4.5851	0.286
3	Total Tetra-Furans	21.53	2.623e5	3.662e5	2.378e4	3.210e4	0.74	NO	5.588e4	28.909	28.909	0.286
4	Total Tetra-Furans	21.99	1.748e4	2.374e4	1.608e3	2.241e3	0.72	NO	3.849e3	1.9914	1.9914	0.286
5	Total Tetra-Furans	22.10	1.365e4	1.651e4	1.557e3	1.760e3	0.88	NO	3.317e3	1.7158	1.7158	0.286
6	Total Tetra-Furans	22.50	7.503e4	1.085e5	7.384e3	1.015e4	0.73	NO	1.753e4	9.0702	9.0702	0.286
7	Total Tetra-Furans	22.98	1.032e5	1.423e5	1.028e4	1.383e4	0.74	NO	2.410e4	12.470	12.470	0.286
8	Total Tetra-Furans	23.15	4.727e3	6.125e3	4.190e2	5.448e2	0.77	NO	9.638e2	0.49863	0.49863	0.286
9	Total Tetra-Furans	23.31	1.110e4	1.356e4	8.589e2	1.121e3	0.77	NO	1.979e3	1.0240	1.0240	0.286
10	Total Tetra-Furans	23.92	1.737e4	2.568e4	1.339e3	1.809e3	0.74	NO	3.149e3	1.6289	1.6289	0.286
11	Total Tetra-Furans	24.09	1.199e5	1.512e5	1.003e4	1.361e4	0.74	NO	2.364e4	12.231	12.231	0.286
12	Total Tetra-Furans	24.18	1.323e4	1.545e4	7.540e2	1.035e3	0.73	NO	1.790e3	0.92579	0.92579	0.286
13	Total Tetra-Furans	24.70	2.557e4	3.284e4	2.954e3	3.688e3	0.80	NO	6.642e3	3.4361	3.4361	0.286
14	Total Tetra-Furans	24.99	6.463e3	7.714e3	4.703e2	6.312e2	0.75	NO	1.101e3	0.56984	0.56984	0.286
15	Total Tetra-Furans	25.20	6.402e3	7.422e3	5.389e2	7.246e2	0.74	NO	1.264e3	0.65369	0.65369	0.286
16	Total Tetra-Furans	25.42	8.835e3	1.425e4	6.425e2	9.849e2	0.65	YES	0.000e0	0.00000	0.76410	0.286
17	Total Tetra-Furans	25.53	1.864e4	2.135e4	1.415e3	1.693e3	0.84	NO	3.108e3	1.6077	1.6077	0.286
18	2,3,7,8-TCDF	25.63	1.686e4	2.149e4	1.197e3	1.605e3	0.75	NO	2.802e3	1.4497	1.4497	0.286
19	Total Tetra-Furans	26.00	1.058e4	1.657e4	7.937e2	1.131e3	0.70	NO	1.924e3	0.99556	0.99556	0.286
20	Total Tetra-Furans	26.23	4.334e3	4.870e3	2.503e2	3.039e2	0.82	NO	5.543e2	0.28673	0.28673	0.286
21	Total Tetra-Furans	26.65	3.134e3	7.097e3	2.191e2	3.165e2	0.69	NO	5.356e2	0.27706	0.27706	0.286
22	Total Tetra-Furans	27.19	2.593e4	3.283e4	1.378e3	2.096e3	0.66	NO	3.474e3	1.7972	1.7972	0.286
23	Total Tetra-Furans	27.35	3.475e4	4.387e4	1.979e3	2.637e3	0.75	NO	4.616e3	2.3883	2.3883	0.286
24	Total Tetra-Furans	27.64	5.988e4	6.765e4	3.452e3	4.553e3	0.76	NO	8.005e3	4.1415	4.1415	0.286

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	27.62	2.497e6	1.522e6	1.490e5	9.317e4	1.60	NO	2.421e5	124.07	124.07	0.125

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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	29.07	5.648e4	3.962e4	2.764e3	2.090e3	1.32	NO	4.854e3	2.4871	2.4871	0.312
2	Total Penta-Furans	29.21	4.772e5	3.211e5	3.595e4	2.205e4	1.63	NO	5.799e4	29.716	29.716	0.312
3	Total Penta-Furans	29.27	5.855e4	3.938e4	2.680e3	1.543e3	1.74	NO	4.223e3	2.1640	2.1640	0.312
4	Total Penta-Furans	29.79	2.946e5	1.962e5	1.743e4	1.102e4	1.58	NO	2.844e4	14.575	14.575	0.312
5	Total Penta-Furans	30.02	1.856e4	1.764e4	1.085e3	6.205e2	1.75	NO	1.706e3	0.87400	0.87400	0.312
6	1,2,3,7,8-PeCDF	30.20	2.360e4	1.119e4	1.325e3	7.600e2	1.74	NO	2.085e3	1.0338	1.0338	0.317
7	Total Penta-Furans	30.46	8.281e4	5.473e4	3.073e3	2.221e3	1.38	NO	5.294e3	2.7126	2.7126	0.312
8	Total Penta-Furans	30.49	6.472e4	4.972e4	3.869e3	2.311e3	1.67	NO	6.180e3	3.1669	3.1669	0.312
9	Total Penta-Furans	31.07	1.271e4	7.382e3	5.357e2	3.792e2	1.41	NO	9.149e2	0.46879	0.46879	0.312
10	2,3,4,7,8-PeCDF	31.21	2.351e5	1.503e5	1.105e4	7.249e3	1.53	NO	1.830e4	9.2655	9.2655	0.293
11	Total Penta-Furans	31.22	1.697e5	1.043e5	3.456e3	2.322e3	1.49	NO	5.778e3	2.9607	2.9607	0.312

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.79	4.699e5	3.875e5	2.445e4	1.983e4	1.23	NO	4.428e4	39.812	39.812	0.554
2	Total Hexa-Furans	32.96	1.053e6	9.031e5	5.557e4	4.579e4	1.21	NO	1.014e5	91.146	91.146	0.554
3	Total Hexa-Furans	33.32	1.227e4	1.182e4	6.161e2	5.470e2	1.13	NO	1.163e3	1.0458	1.0458	0.554
4	Total Hexa-Furans	33.51	1.522e6	1.265e6	7.852e4	6.513e4	1.21	NO	1.436e5	129.17	129.17	0.554
5	1,2,3,4,7,8-HxCDF	33.96	6.290e4	5.377e4	3.754e3	3.272e3	1.15	NO	7.026e3	6.4808	6.4808	0.528
6	1,2,3,6,7,8-HxCDF	34.10	5.103e4	4.295e4	3.218e3	2.701e3	1.19	NO	5.919e3	4.6276	4.6276	0.455
7	2,3,4,6,7,8-HxCDF	34.68	9.074e4	7.820e4	5.379e3	4.467e3	1.20	NO	9.846e3	9.1453	9.1453	0.541
8	1,2,3,7,8,9-HxCDF	35.65	1.633e4	1.660e4	9.048e2	6.774e2	1.34	NO	1.582e3	1.9218	1.9218	0.885
9	Total Hexa-Furans	35.66	9.709e3	7.416e3	2.245e2	1.796e2	1.25	NO	4.041e2	0.36336	0.36336	0.554

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.37	1.663e6	1.680e6	1.286e5	1.291e5	1.00	NO	2.577e5	361.32	361.32	0.909
2	Total Hepta-Furans	37.98	1.379e6	1.355e6	1.050e5	1.043e5	1.01	NO	2.093e5	362.73	362.73	1.05
3	1,2,3,4,7,8,9-HpCDF	39.31	1.135e4	1.277e4	7.747e2	8.167e2	0.95	NO	1.591e3	3.1128	3.1128	1.11

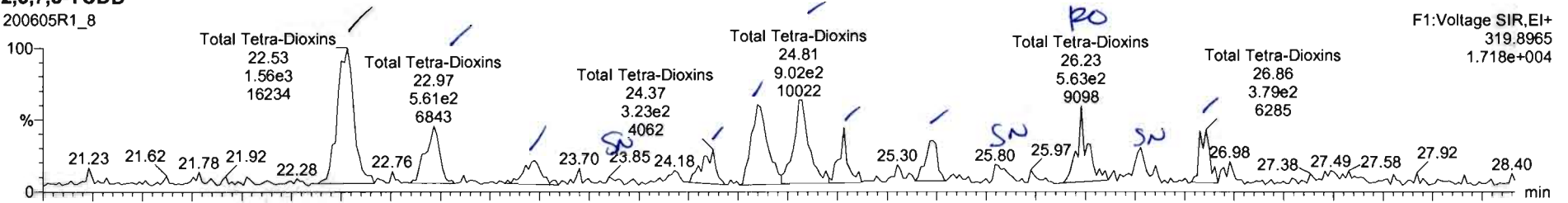
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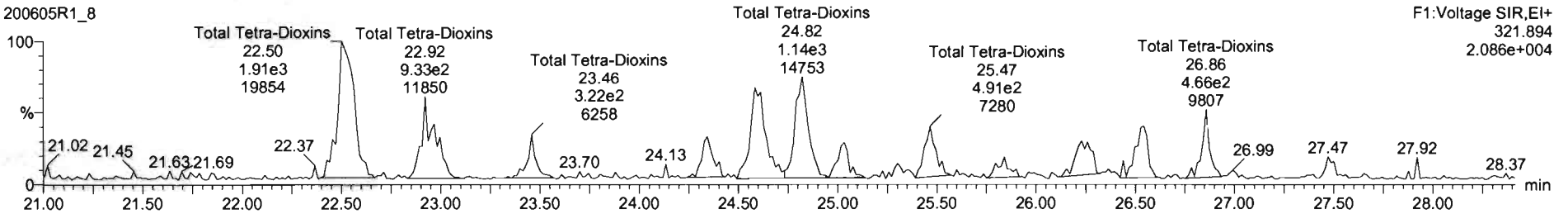
Name: 200605R1_8, Date: 05-Jun-2020, Time: 15:17:52, ID: 2000995-04 PDI-068SC-B-02-05-200430 17.92, Description: PDI-068SC-B-02-05-200430

2,3,7,8-TCDD

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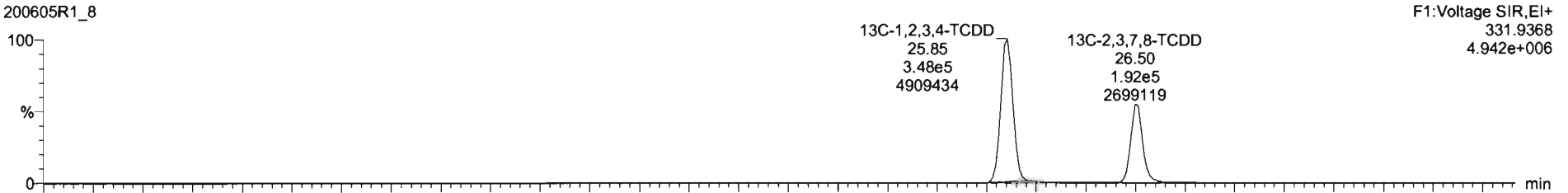


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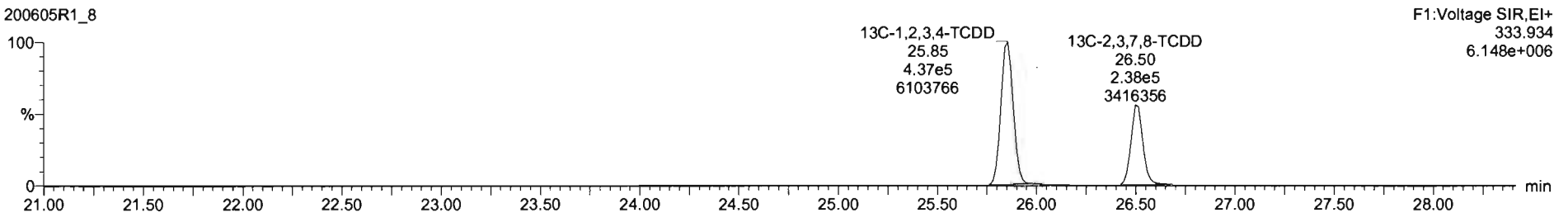


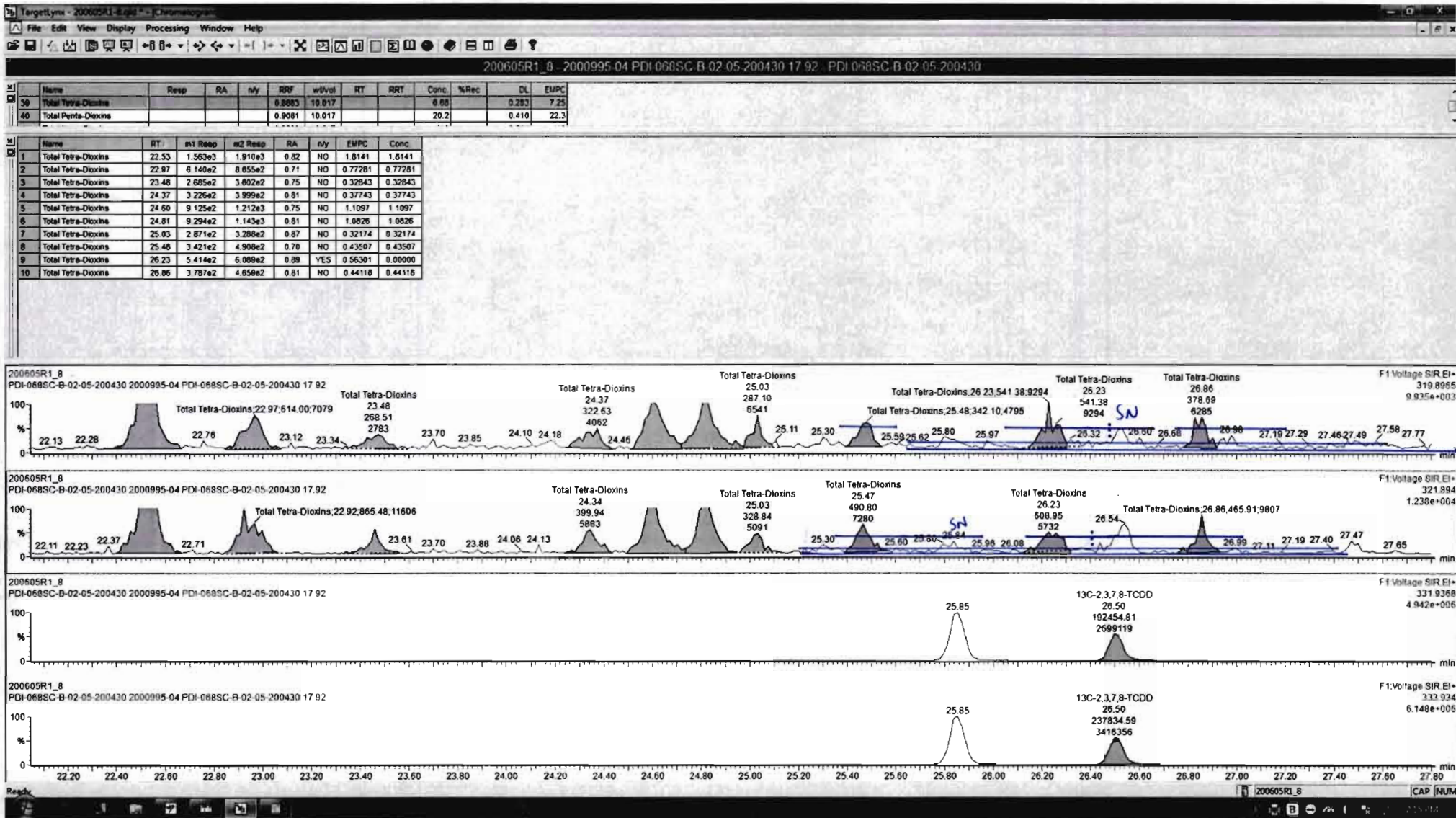
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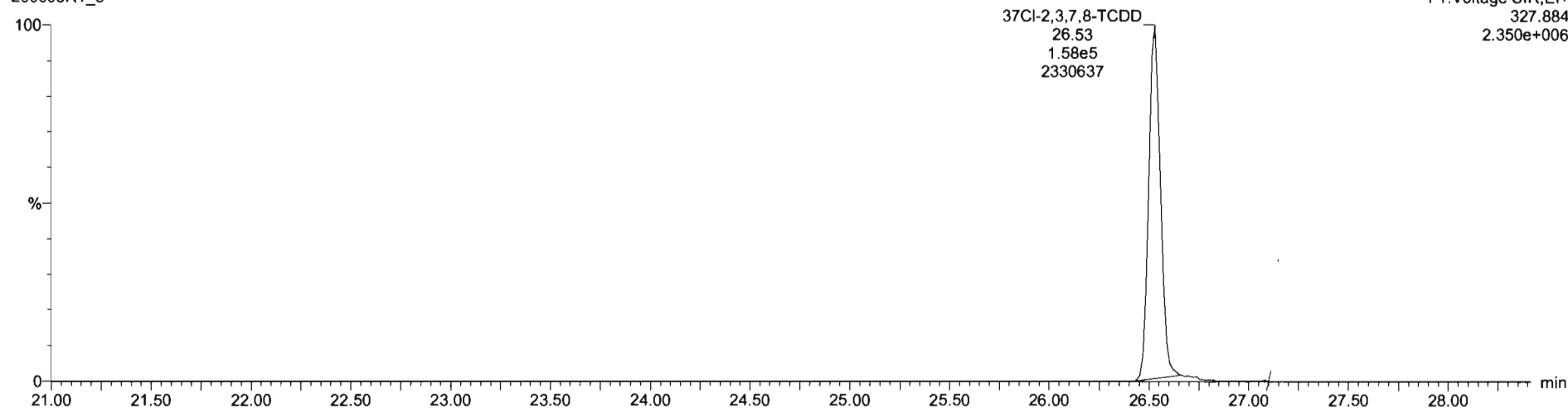
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Name: 200605R1_8, Date: 05-Jun-2020, Time: 15:17:52, ID: 2000995-04 PDI-068SC-B-02-05-200430 17.92, Description: PDI-068SC-B-02-05-200430

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

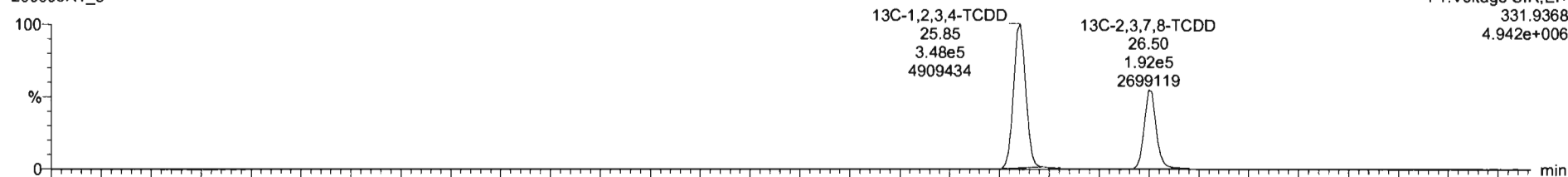
200605R1_8



F1:Voltage SIR,EI+
327.884
2.350e+006

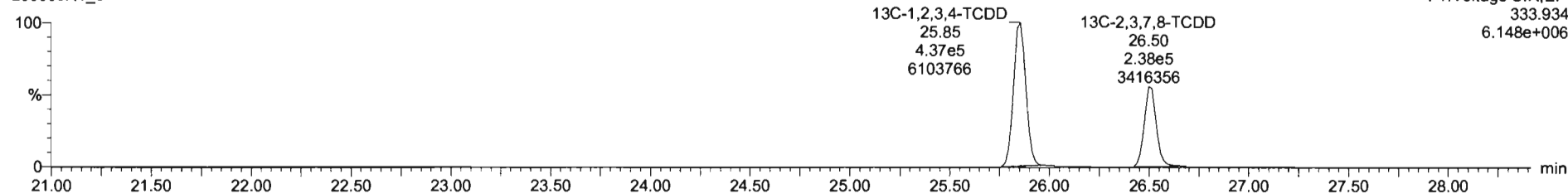
13C-1,2,3,4-TCDD

200605R1_8



F1:Voltage SIR,EI+
331.9368
4.942e+006

200605R1_8



F1:Voltage SIR,EI+
333.934
6.148e+006

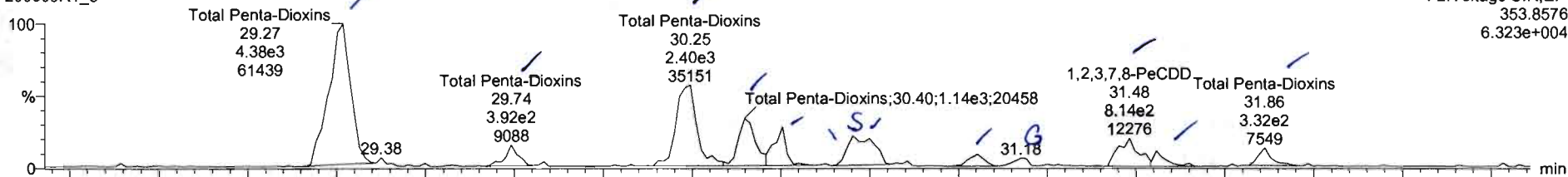
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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

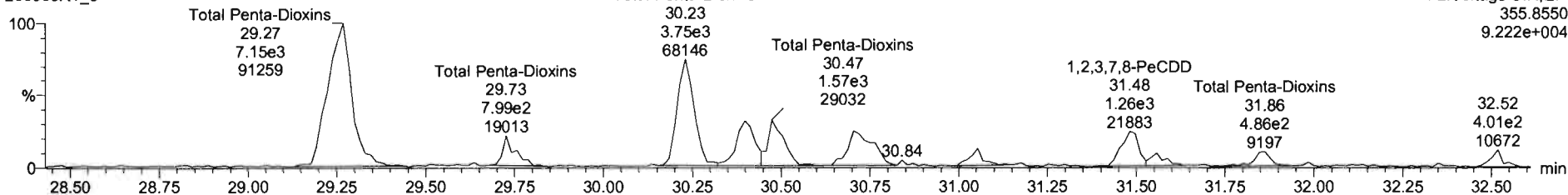
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1,2,3,7,8-PeCDD

200605R1_8

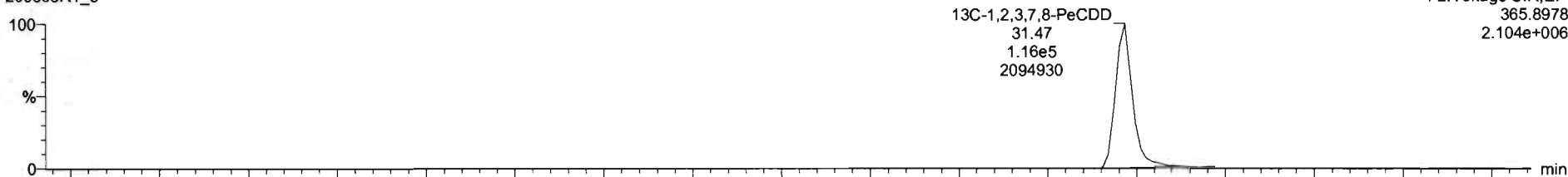


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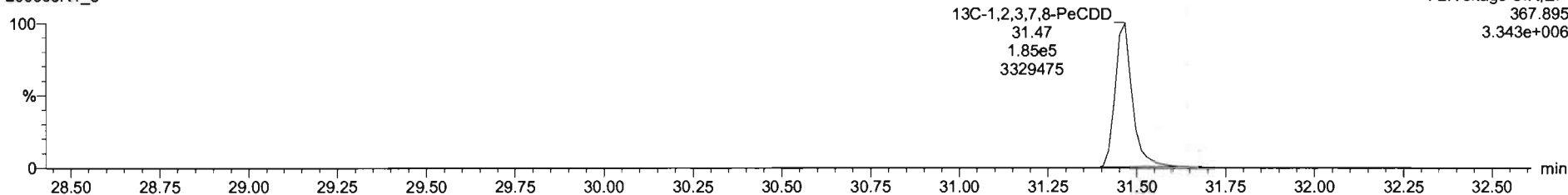


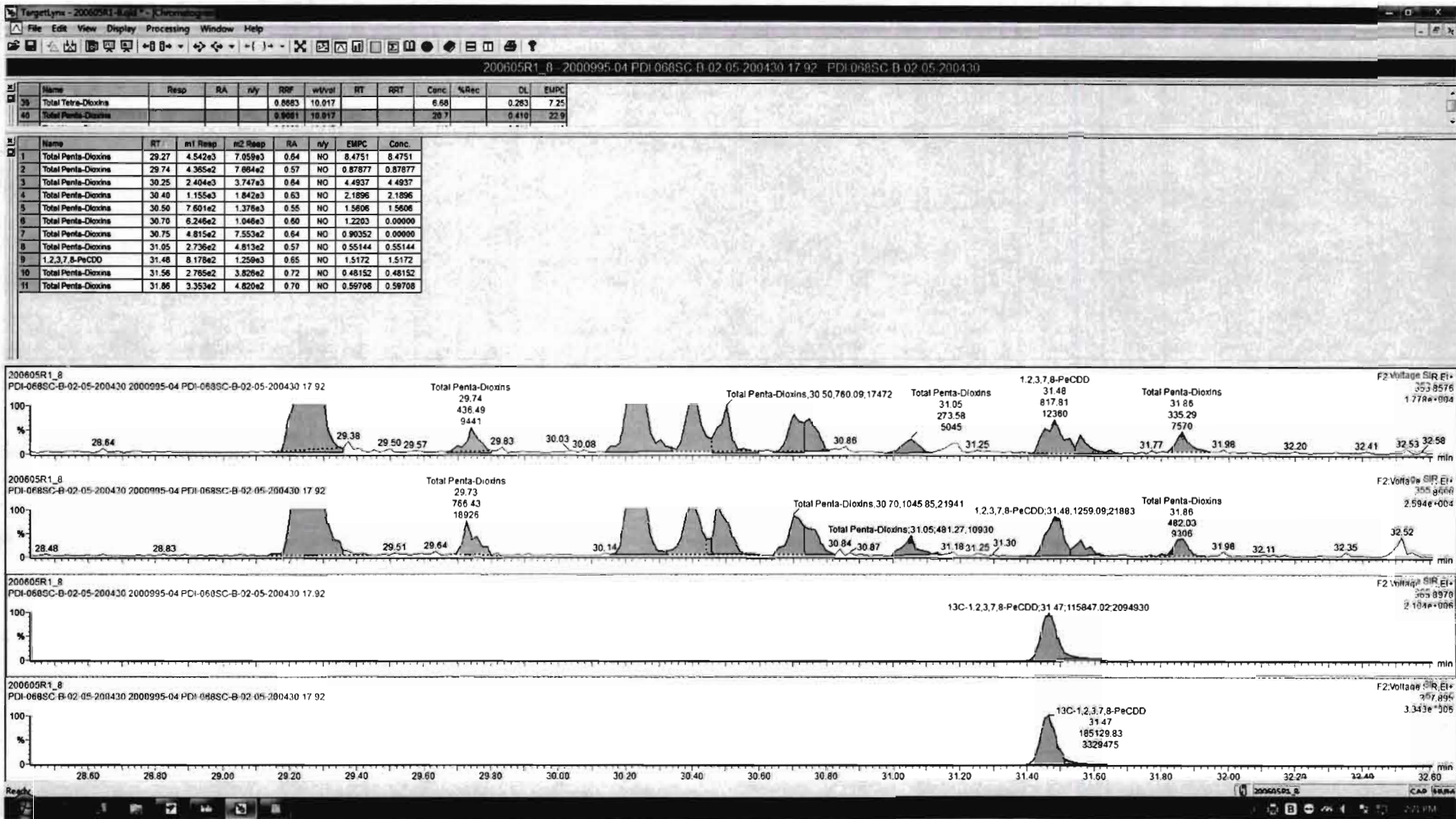
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200605R1_8



200605R1_8





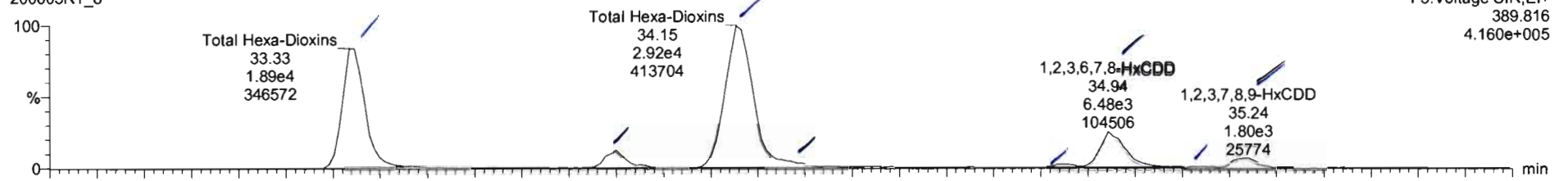
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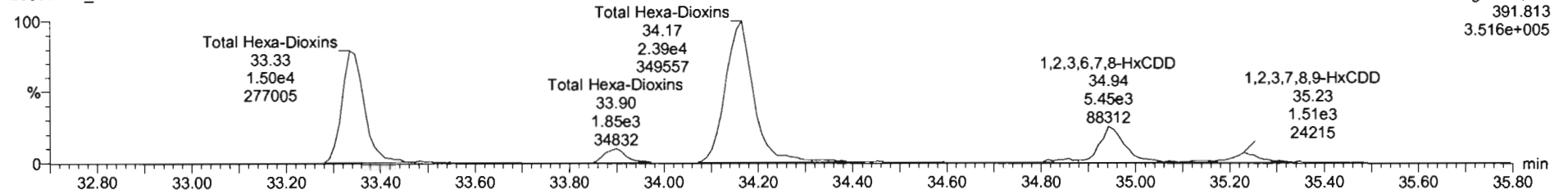
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1,2,3,4,7,8-HxCDD

200605R1_8

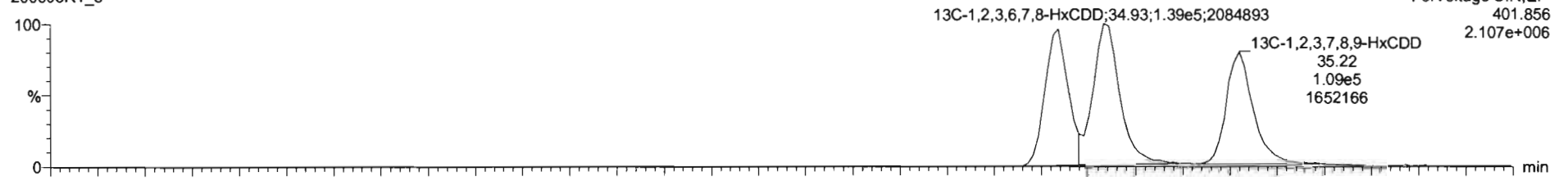


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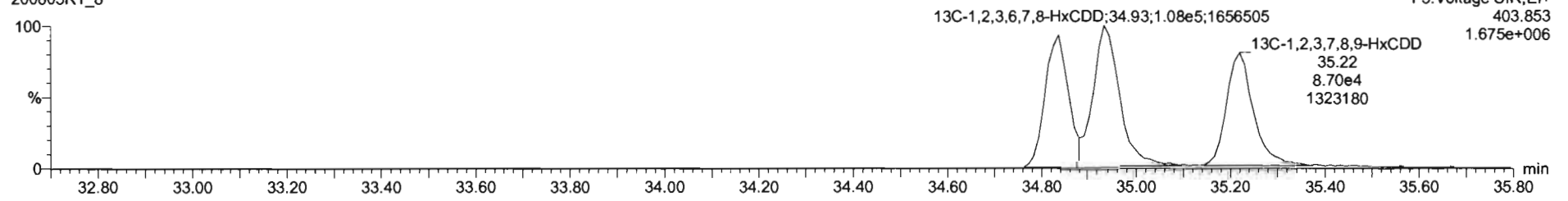


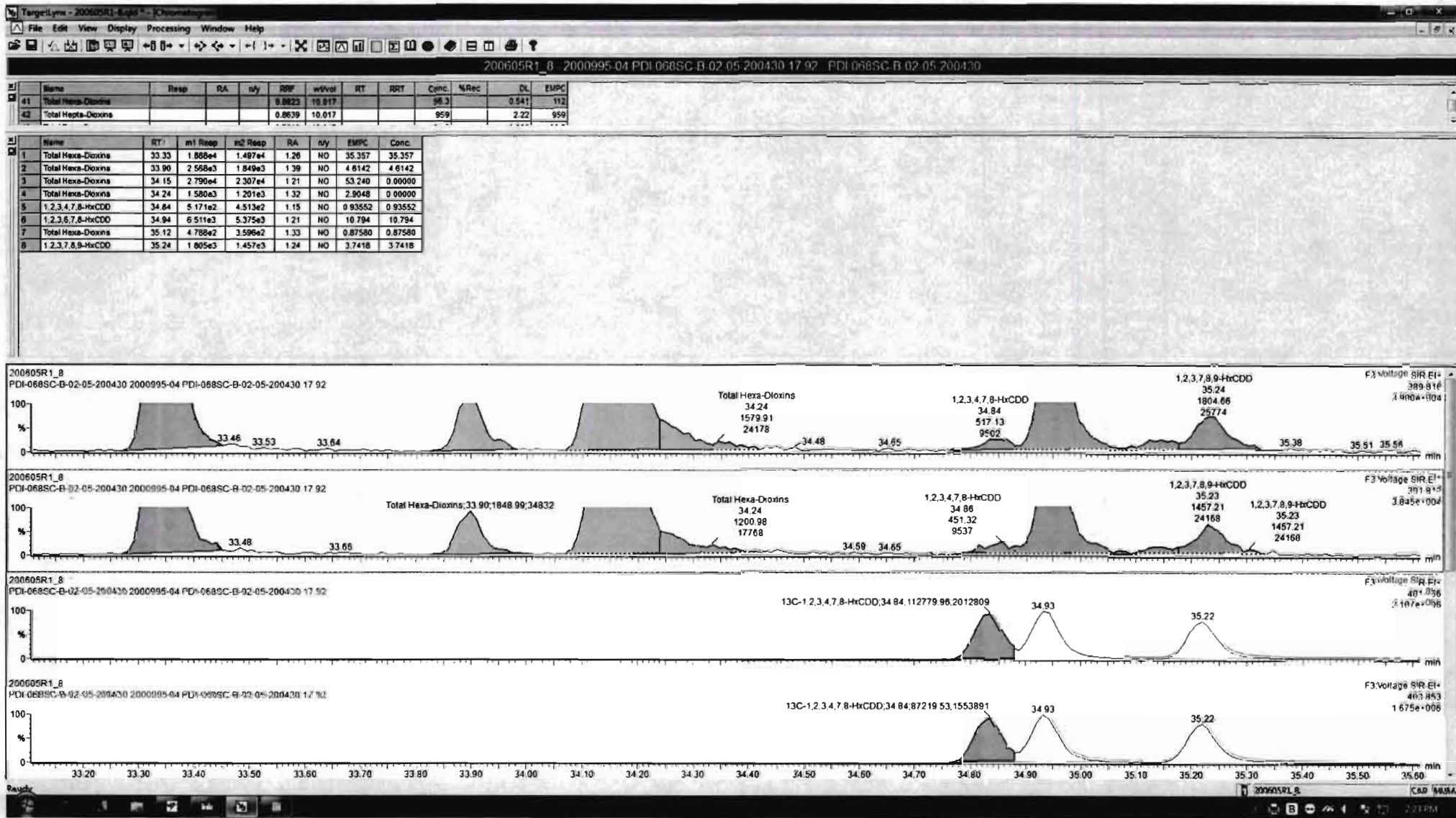
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200605R1_8



200605R1_8





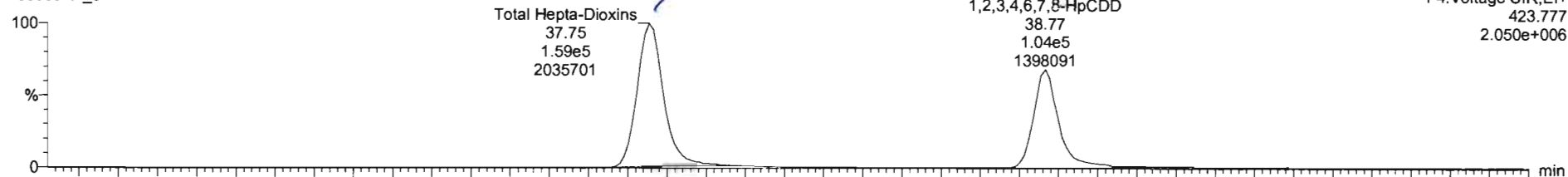
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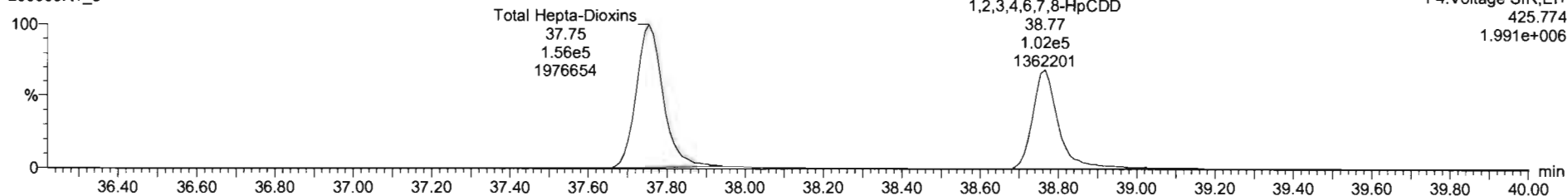
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1,2,3,4,6,7,8-HpCDD

200605R1_8

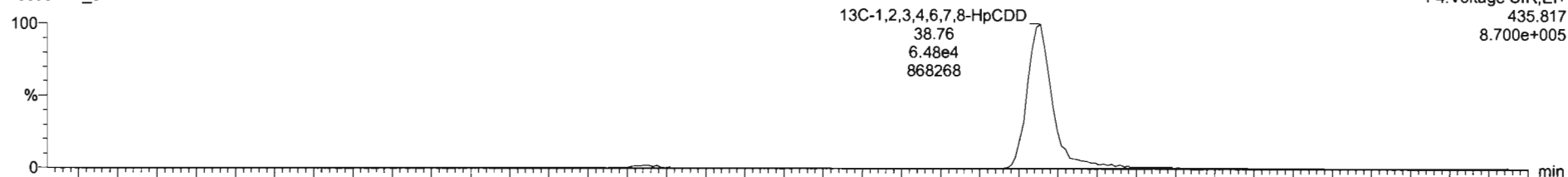


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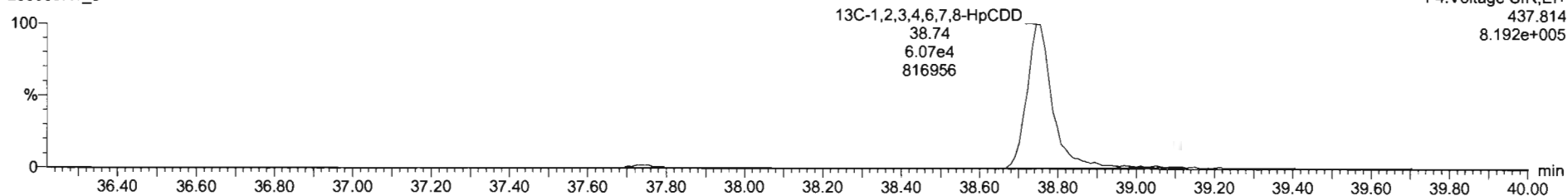


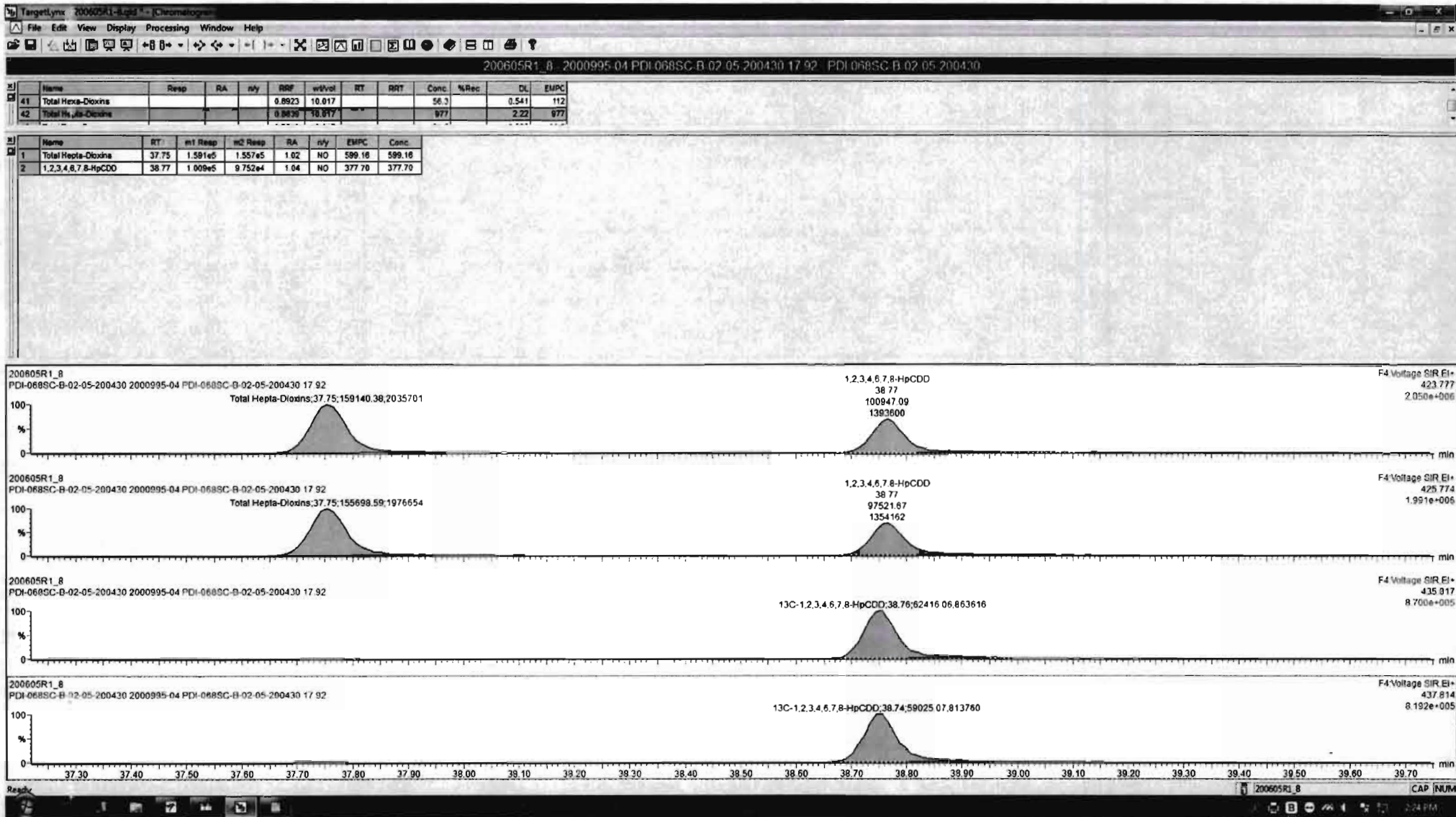
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200605R1_8



200605R1_8





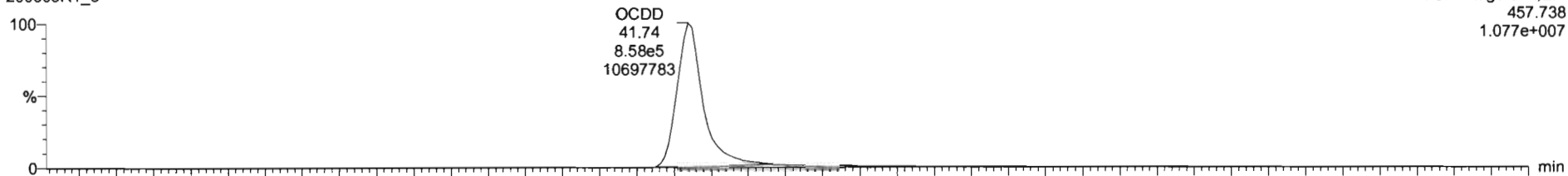
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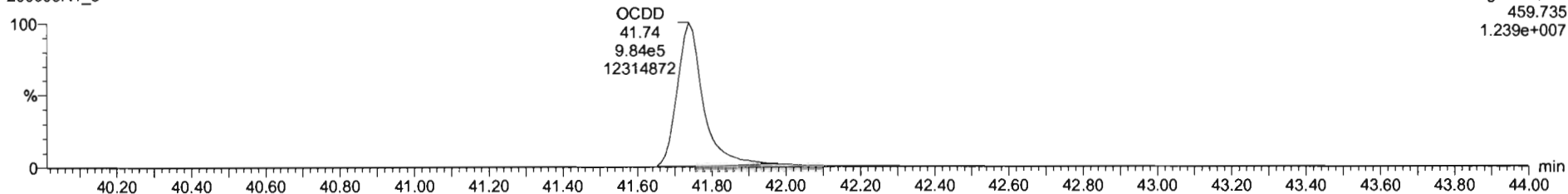
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OCDD

200605R1_8

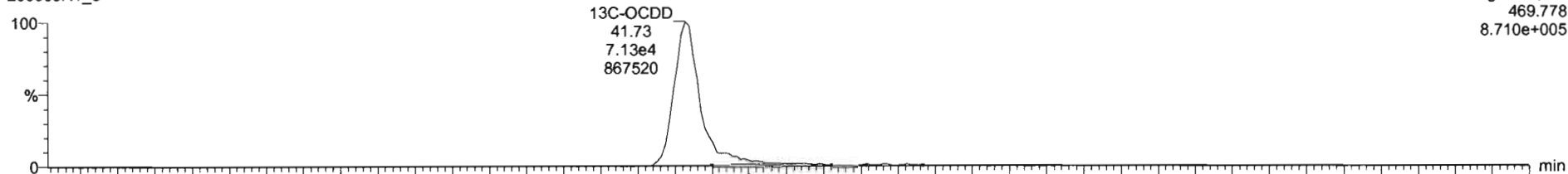


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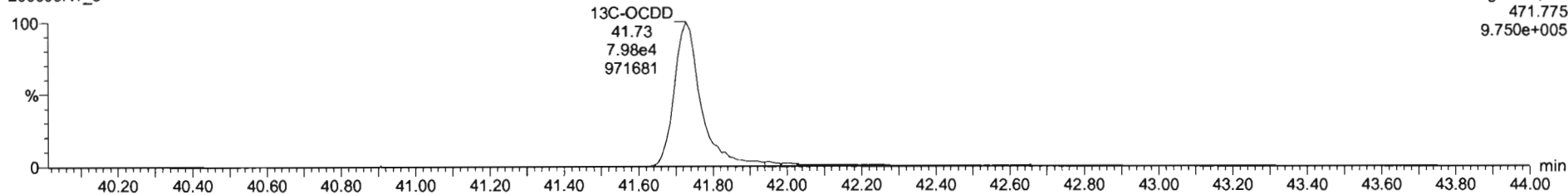


13C-OCDD

200605R1_8



200605R1_8

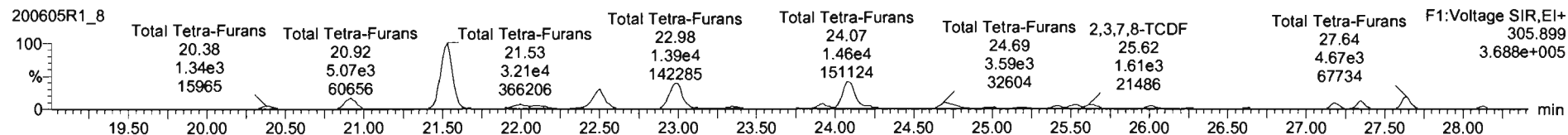
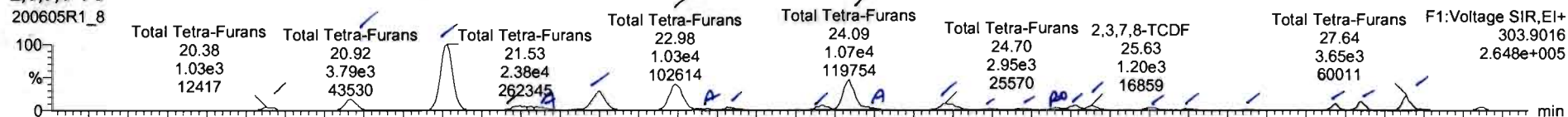


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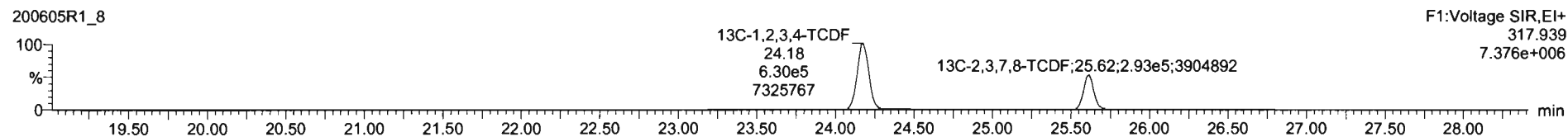
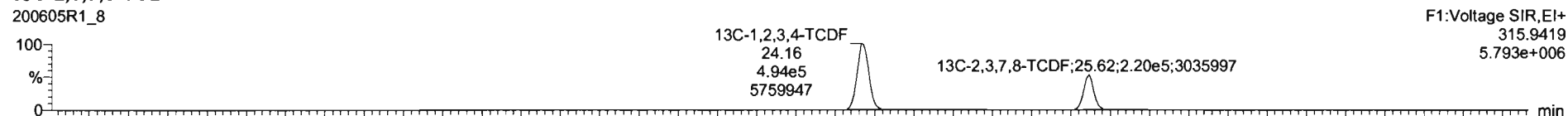
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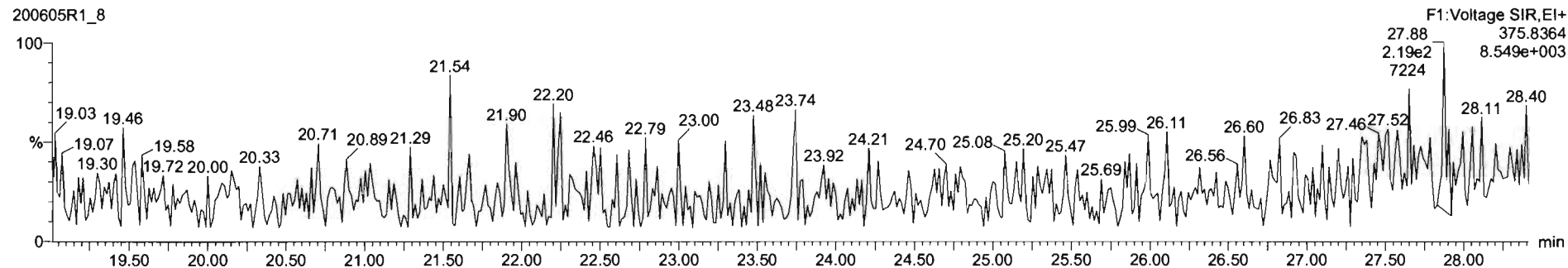
2,3,7,8-TCDF

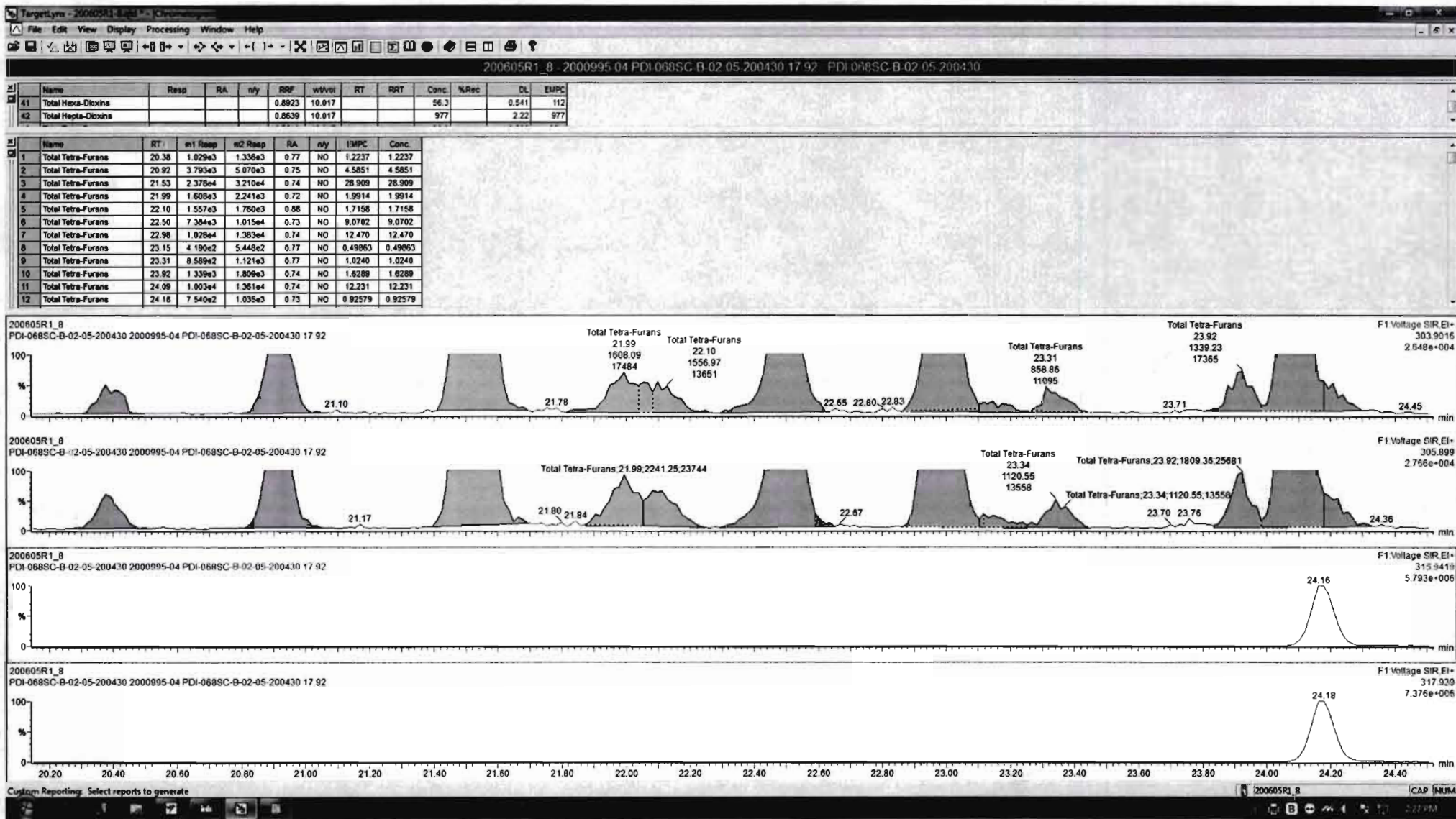


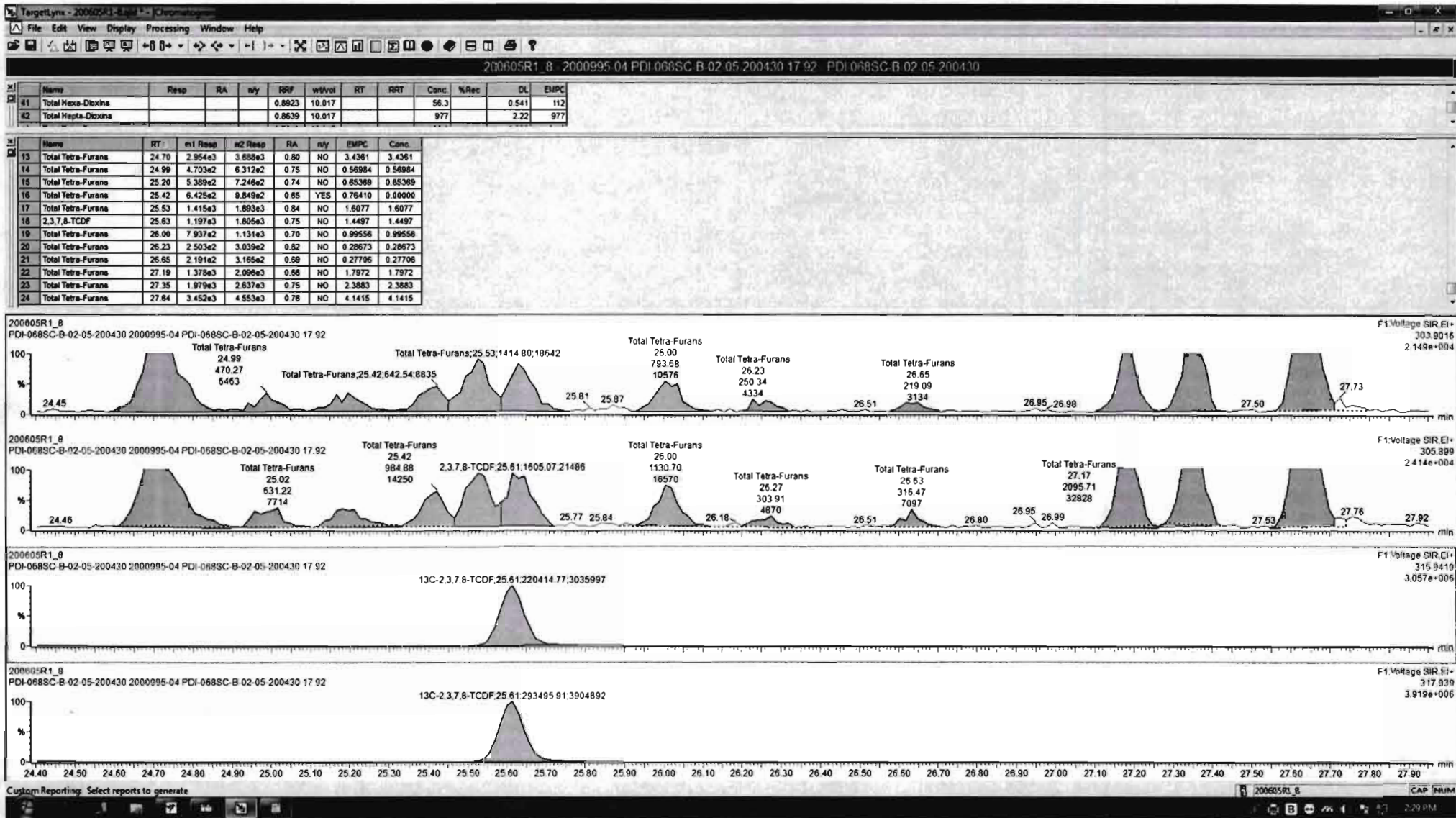
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DPE1







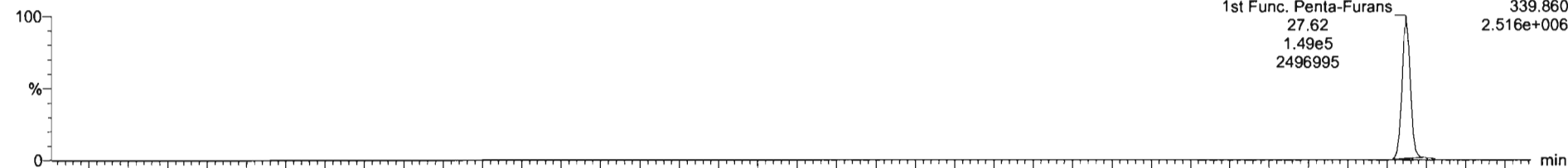
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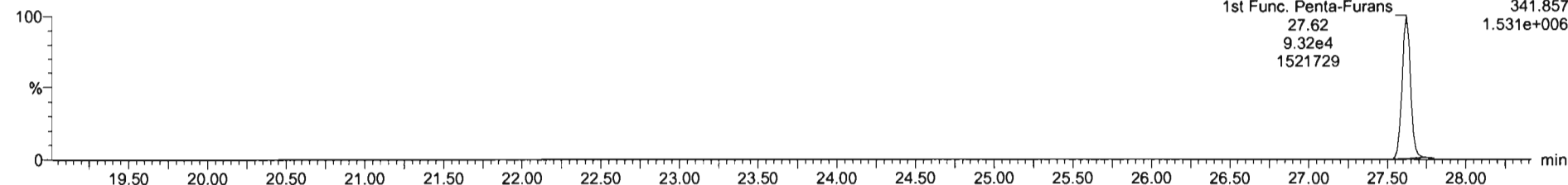
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1st Func. Penta-Furans

200605R1_8

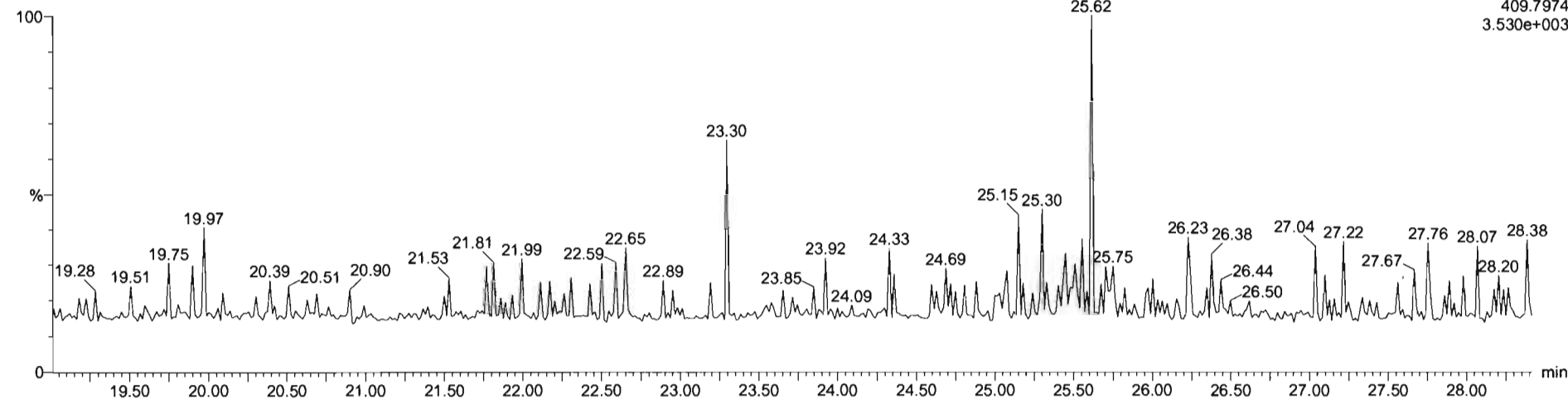


200605R1_8



DPE6

200605R1_8

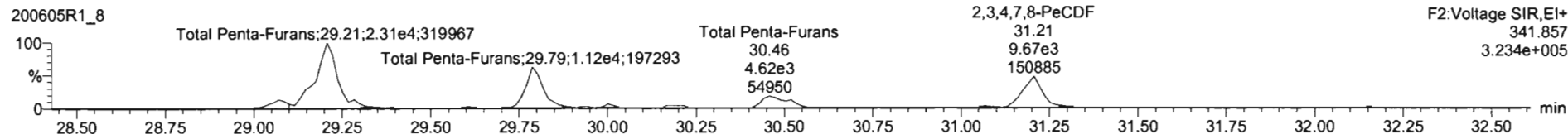
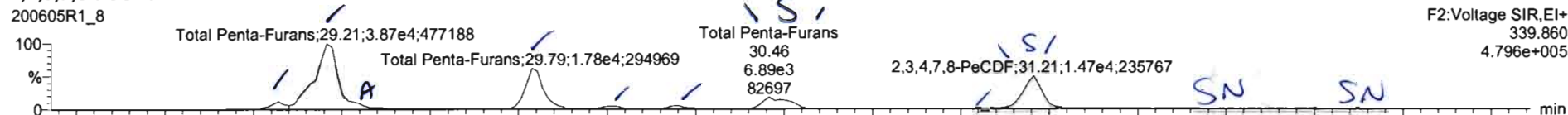


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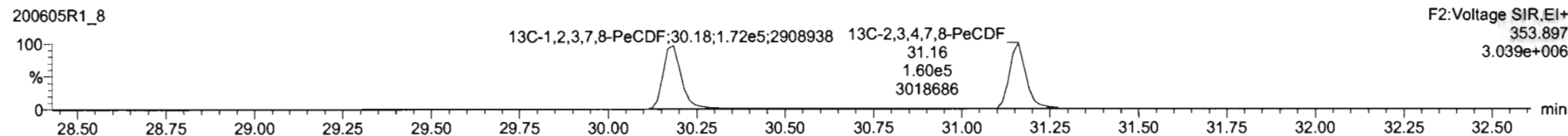
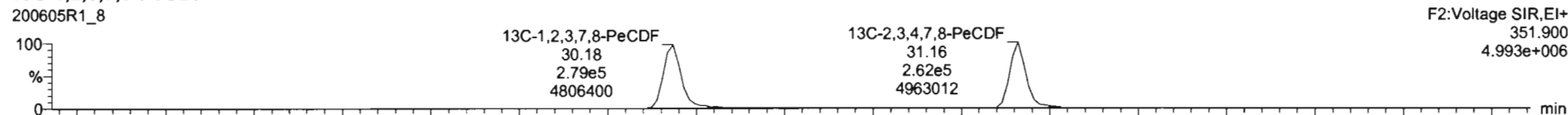
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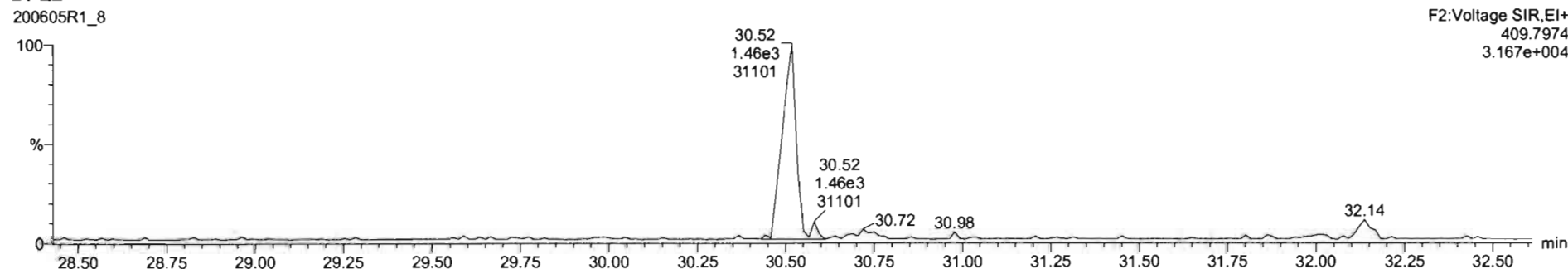
1,2,3,7,8-PeCDF

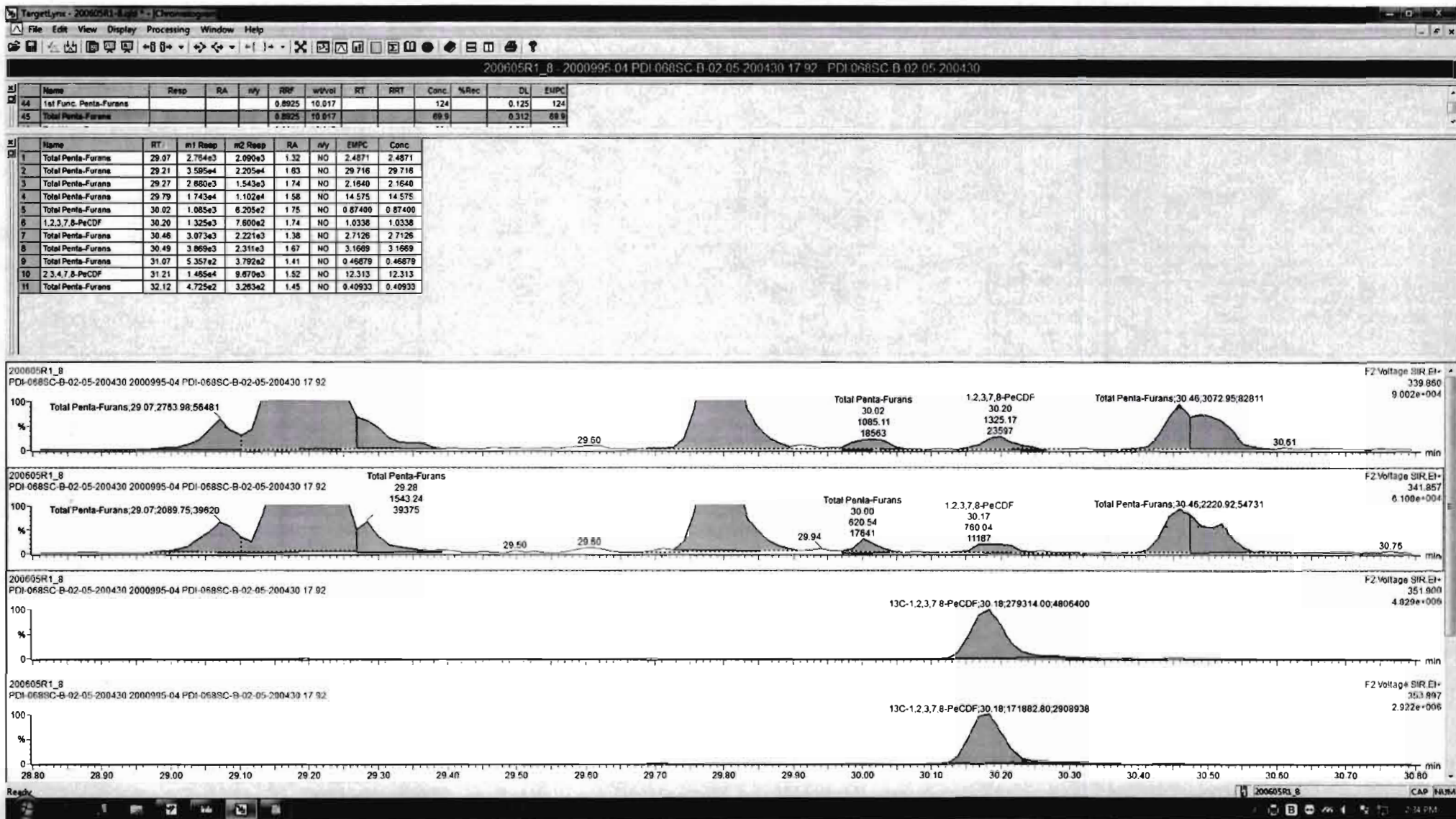


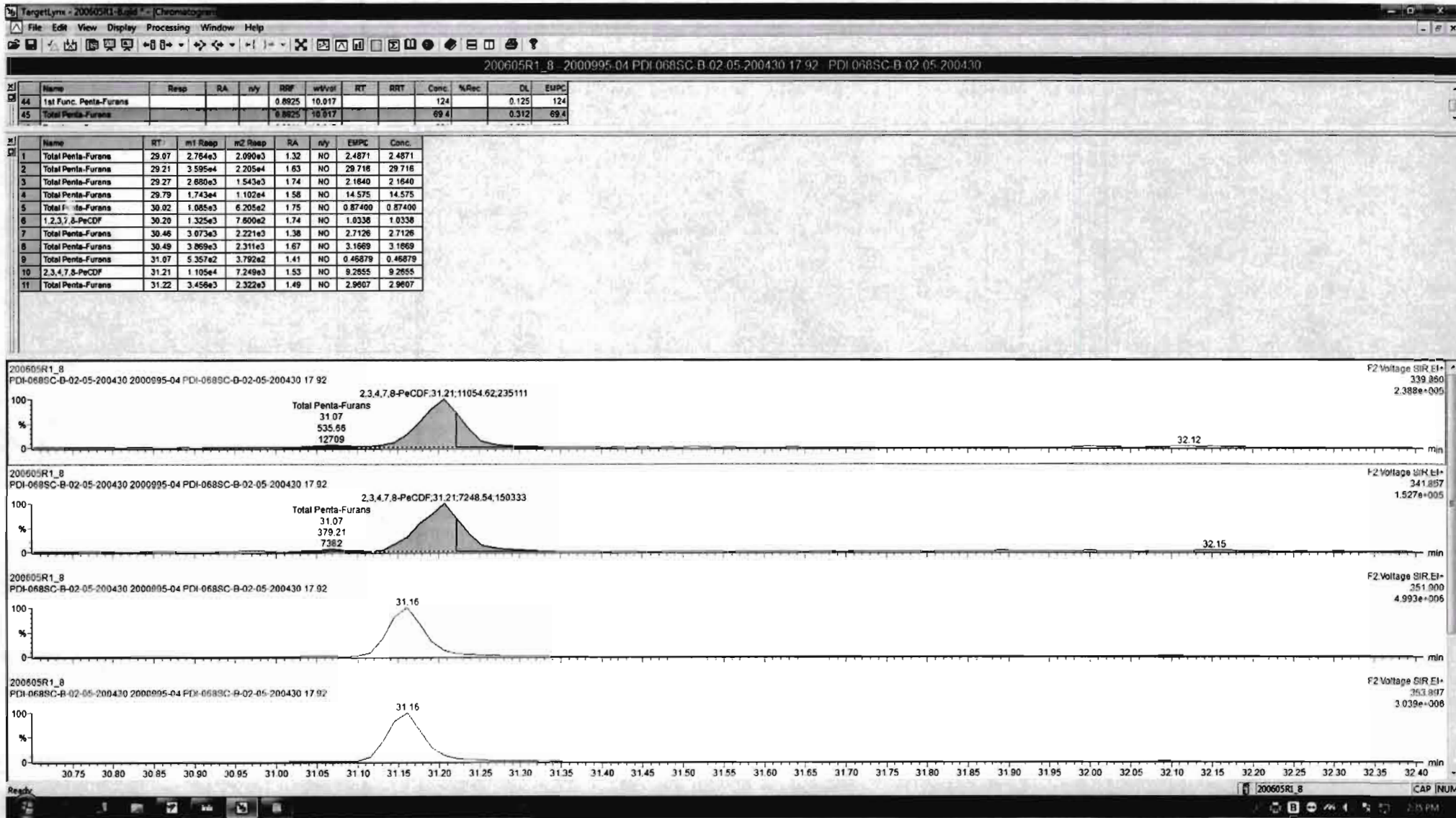
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DPE2







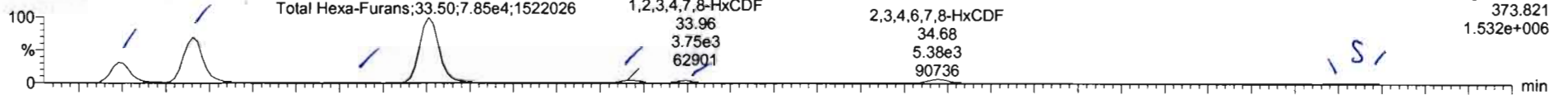
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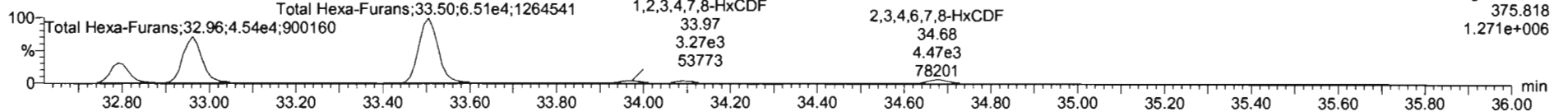
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1,2,3,4,7,8-HxCDF

200605R1_8

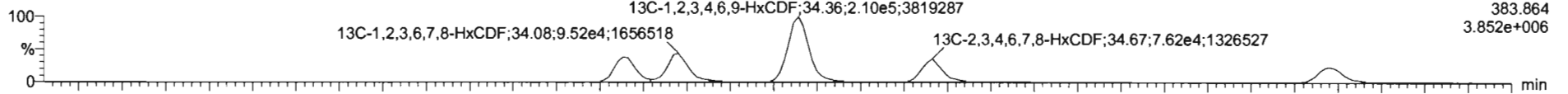


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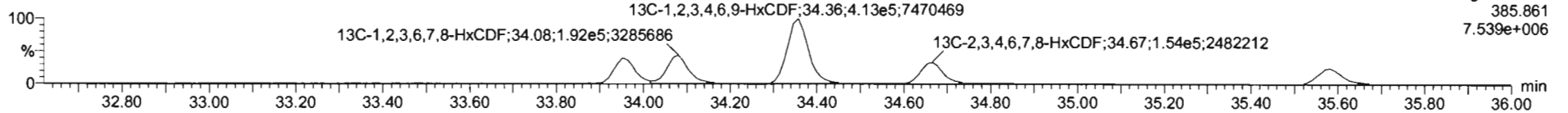


13C-1,2,3,4,7,8-HxCDF

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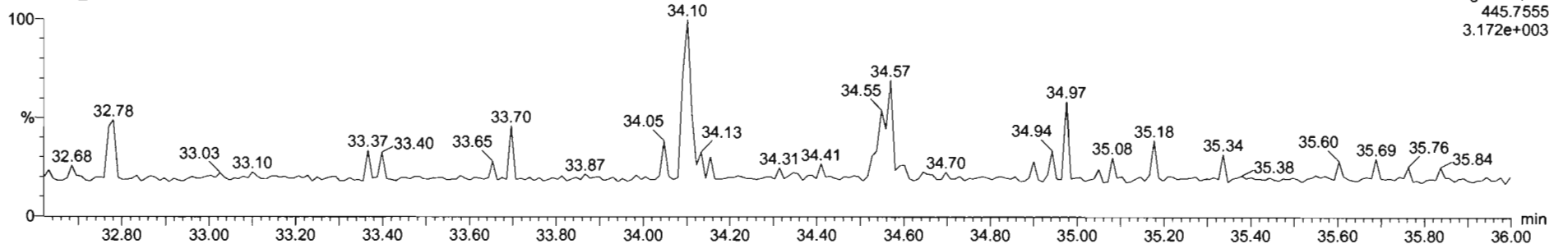


200605R1_8



DPE3

200605R1_8

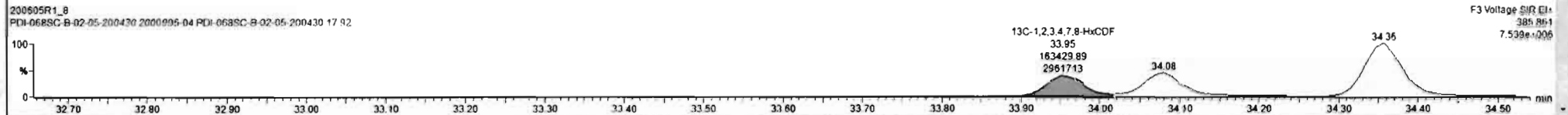
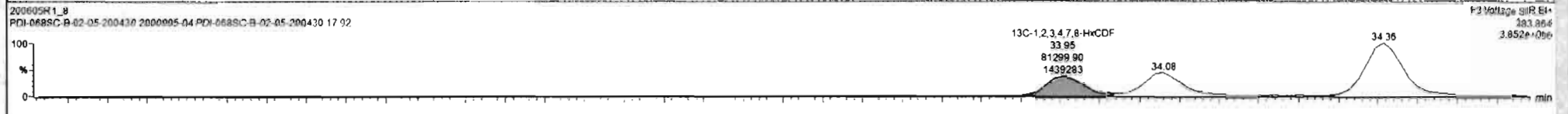
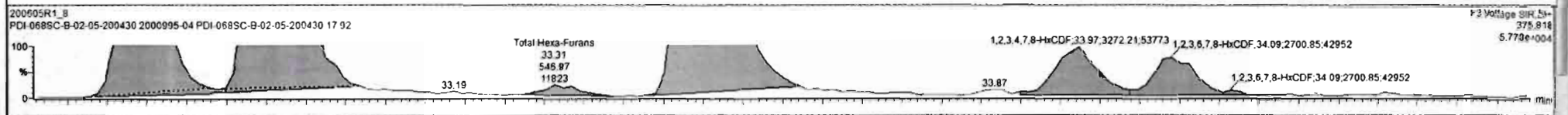
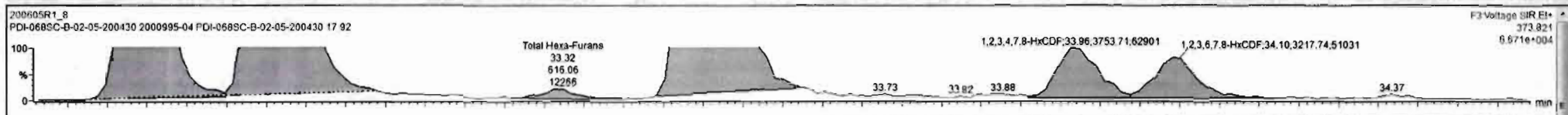


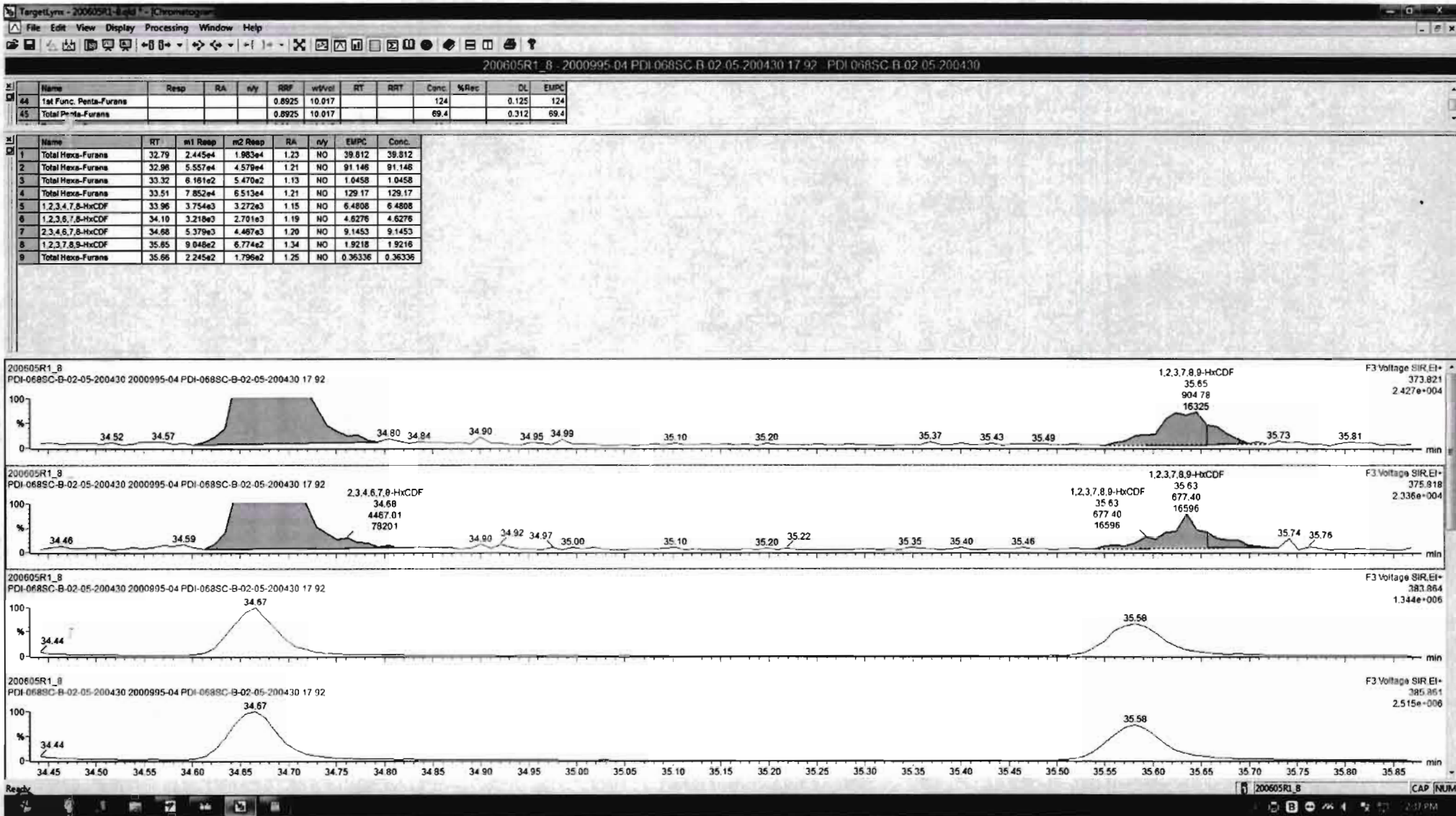
TargetLynx - 200605R1_8 - Chromatogram

200605R1_8 - 2000995-04 PDI-068SC-B-02-05-200430 17-92 - PDI-068SC-B-02-05-200430

#	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
44	1st Func. Penta-Furans				0.8925	10.017			124		0.125	124
45	Total Penta-Furans				0.8925	10.017			69.4		0.312	69.4

#	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	32.79	2.445e4	1.953e4	1.23	NO	39.812	39.812
2	Total Hexa-Furans	32.96	5.557e4	4.579e4	1.21	NO	91.148	91.148
3	Total Hexa-Furans	33.32	8.181e2	5.470e2	1.13	NO	1.0458	1.0458
4	Total Hexa-Furans	33.51	7.852e4	6.513e4	1.21	NO	129.17	129.17
5	1,2,3,4,7,8-HxCDF	33.96	3.754e3	3.272e3	1.15	NO	6.4808	6.4808
6	1,2,3,6,7,8-HxCDF	34.10	3.218e3	2.701e3	1.19	NO	4.6276	4.6276
7	2,3,4,6,7,8-HxCDF	34.68	5.379e3	4.467e3	1.20	NO	9.1453	9.1453
8	1,2,3,7,8,9-HxCDF	35.65	1.148e3	8.698e2	1.32	NO	2.4507	2.4507



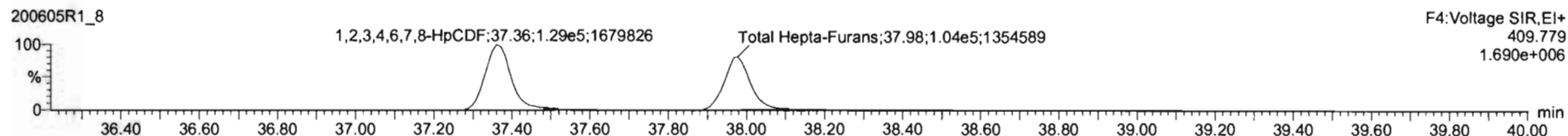
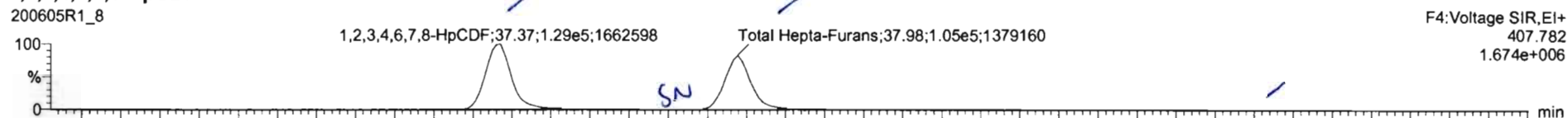


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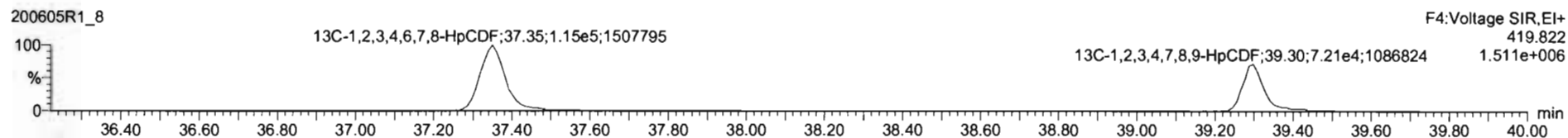
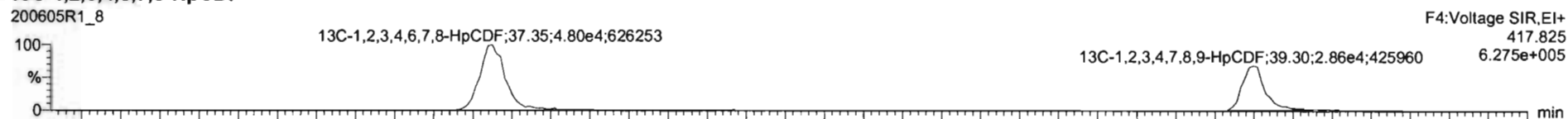
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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

Name: 200605R1_8, Date: 05-Jun-2020, Time: 15:17:52, ID: 2000995-04 PDI-068SC-B-02-05-200430 17.92, Description: PDI-068SC-B-02-05-200430

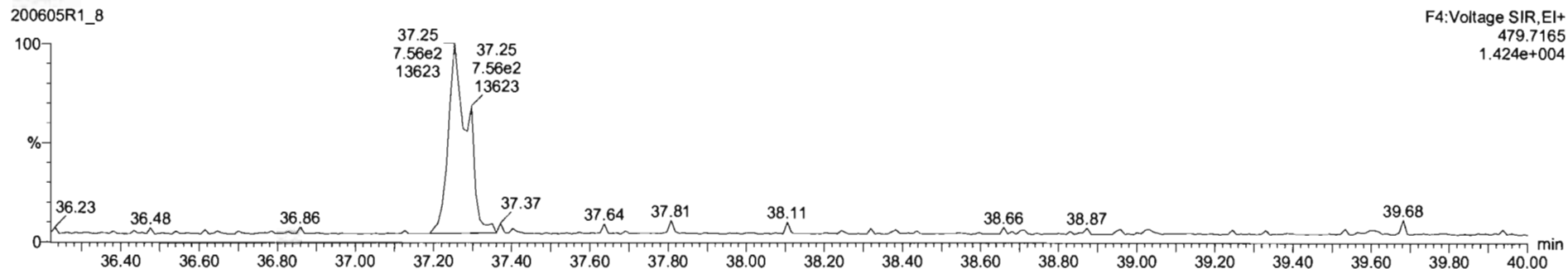
1,2,3,4,6,7,8-HpCDF

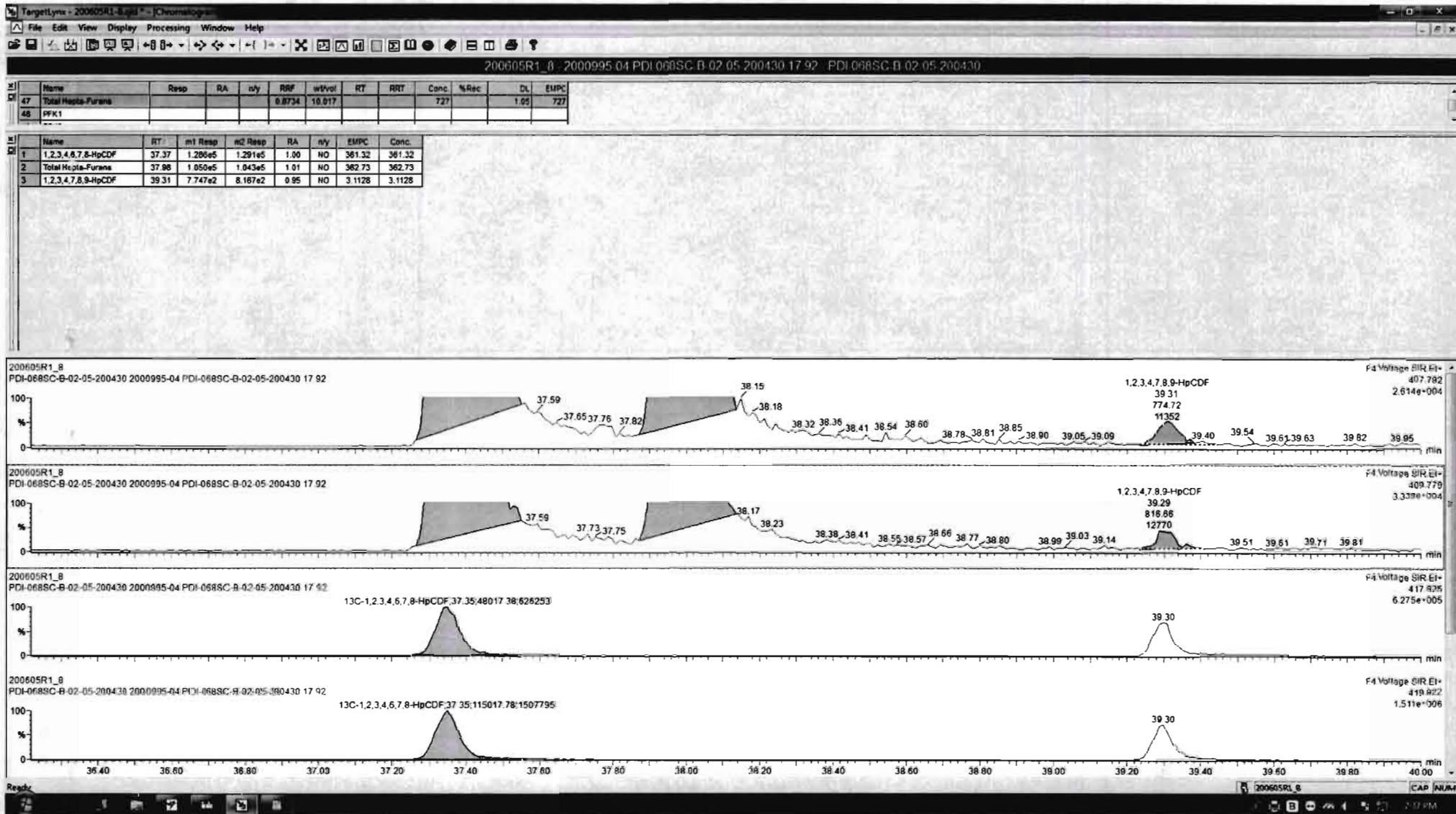


13C-1,2,3,4,6,7,8-HpCDF



DPE4





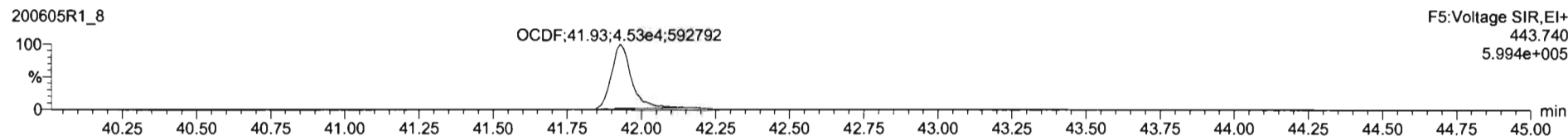
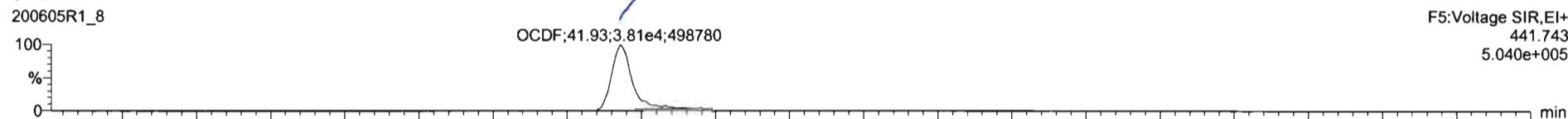
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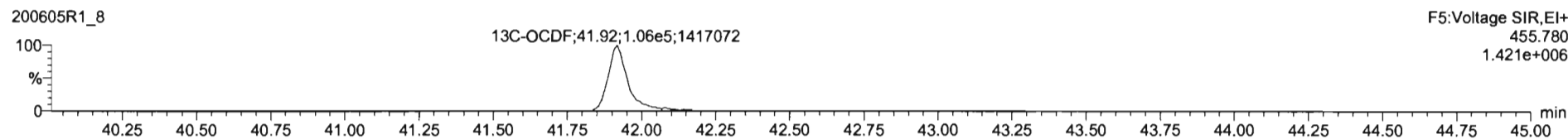
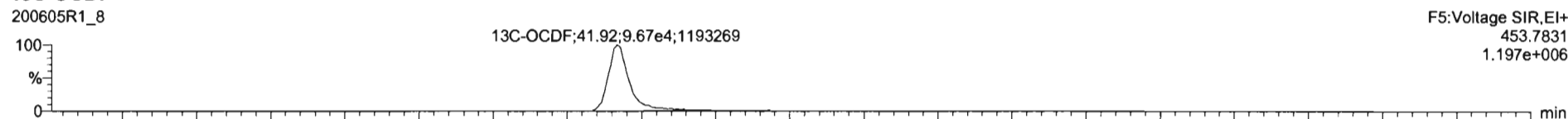
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Name: 200605R1_8, Date: 05-Jun-2020, Time: 15:17:52, ID: 2000995-04 PDI-068SC-B-02-05-200430 17.92, Description: PDI-068SC-B-02-05-200430

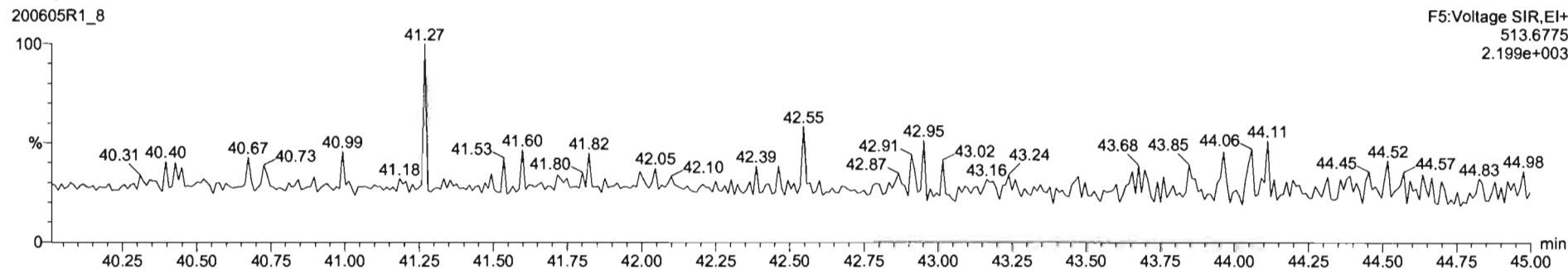
OCDF

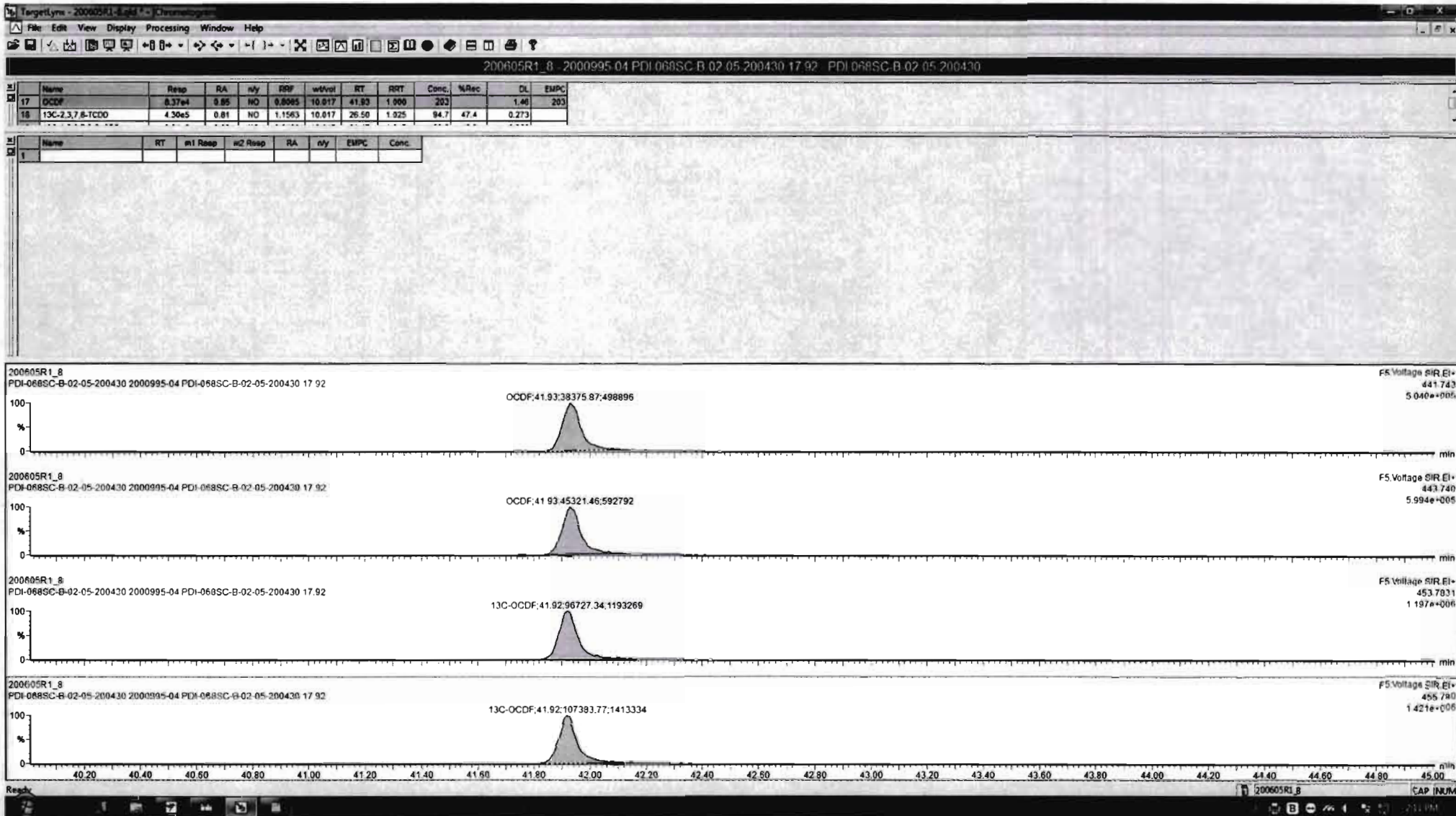


13C-OCDF



DPE5

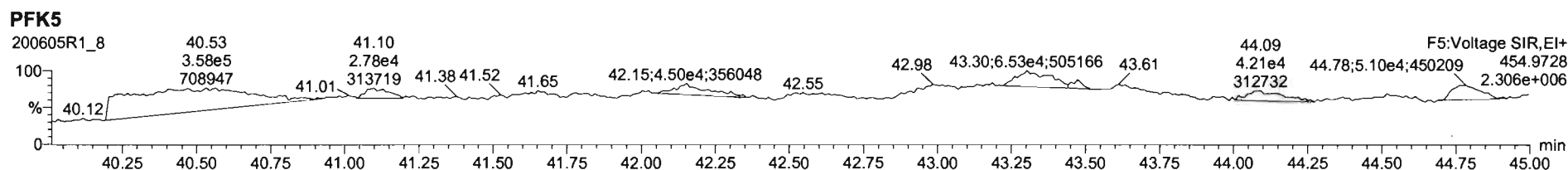
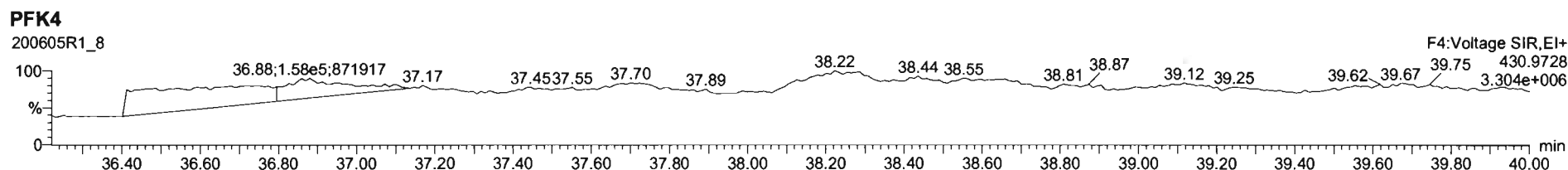
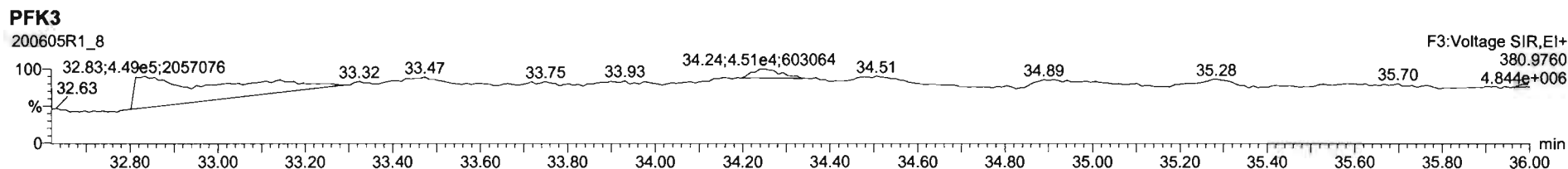
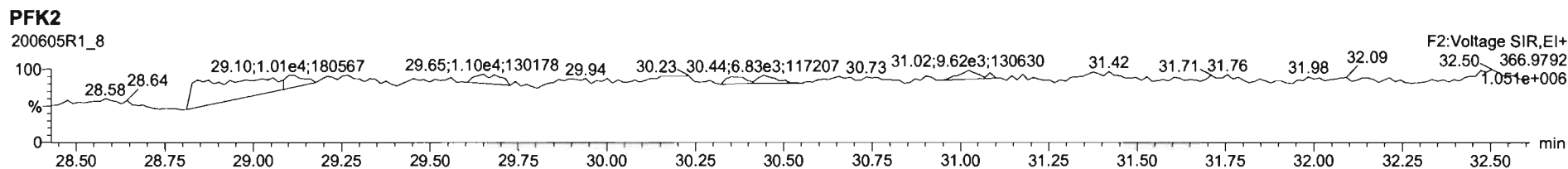
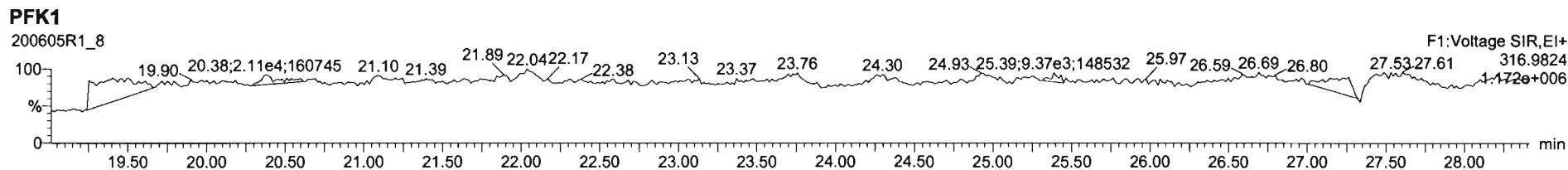




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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

Name: 200605R1_8, Date: 05-Jun-2020, Time: 15:17:52, ID: 2000995-04 PDI-068SC-B-02-05-200430 17.92, Description: PDI-068SC-B-02-05-200430



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Printed: Wednesday, June 10, 2020 3:13:07 PM Pacific Daylight Time

GPB 06/10/2020

GT 06/15/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

** SEE DIL.*

Name: 200605R1_9, Date: 05-Jun-2020, Time: 16:04:04, ID: 2000995-05 PDI-068SC-B-05-07-200430 18.77, Description: PDI-068SC-B-05-07-200430

#	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	8.60e2	0.48	YES	0.888	10.052	26.546	26.54	1.001	1.001	0.31110		0.151	0.231
2	2 1,2,3,7,8-PeCDD	3.36e3	0.58	NO	0.908	10.052	31.488	31.48	1.001	1.000	1.6904		0.183	1.69
3	3 1,2,3,4,7,8-HxCDD	2.73e3	1.23	NO	1.03	10.052	34.846	34.85	1.000	1.000	1.8256		0.533	1.83
4	4 1,2,3,6,7,8-HxCDD	4.19e4	1.22	NO	0.892	10.052	34.943	34.96	1.000	1.001	26.372		0.562	26.4
5	5 1,2,3,7,8,9-HxCDD	9.75e3	1.27	NO	0.887	10.052	35.230	35.24	1.000	1.001	7.4077		0.696	7.41
6	6 1,2,3,4,6,7,8-HpCDD	1.09e6	1.01	NO	0.864	10.052	38.778	38.78	1.000	1.000	1129.3		2.93	1130
7	7 OCDD	1.25e7	0.88	NO	0.914	10.052	41.738	41.75	1.000	1.000	13188 <i>EX</i>		3.53	13200
8	8 2,3,7,8-TCDF	2.51e3	0.68	NO	0.751	10.052	25.641	25.66	1.001	1.002	0.85335 <i>OK</i>		0.264	0.853
9	9 1,2,3,7,8-PeCDF	2.08e3	1.72	NO	0.893	10.052	30.205	30.20	1.001	1.001	0.71641		0.232	0.716
10	10 2,3,4,7,8-PeCDF	2.40e4	1.47	NO	0.935	10.052	31.192	31.21	1.001	1.001	8.2676		0.217	8.27
11	11 1,2,3,4,7,8-HxCDF	8.75e3	1.24	NO	0.884	10.052	33.963	33.98	1.000	1.001	5.4128		0.554	5.41
12	12 1,2,3,6,7,8-HxCDF	9.49e3	1.18	NO	0.889	10.052	34.090	34.10	1.000	1.001	5.0317		0.515	5.03
13	13 2,3,4,6,7,8-HxCDF	1.47e4	1.21	NO	0.934	10.052	34.701	34.69	1.001	1.001	8.9750		0.587	8.97
14	14 1,2,3,7,8,9-HxCDF	1.85e3	1.06	NO	0.871	10.052	35.582	35.65	1.000	1.002	1.5136		0.939	1.51
15	15 1,2,3,4,6,7,8-HpCDF	2.96e5	1.00	NO	0.873	10.052	37.386	37.37	1.001	1.001	281.44		0.941	281
16	16 1,2,3,4,7,8,9-HpCDF	3.57e3	0.92	NO	1.01	10.052	39.309	39.31	1.000	1.000	4.3933		1.13	4.39
17	17 OCDF	1.82e5	0.87	NO	0.806	10.052	41.929	41.94	1.000	1.000	217.10		0.790	217
18	18 13C-2,3,7,8-TCDD	6.20e5	0.78	NO	1.16	10.052	26.538	26.51	1.026	1.025	130.93	65.8	0.215	
19	19 13C-1,2,3,7,8-PeCDD	4.35e5	0.65	NO	0.849	10.052	31.729	31.47	1.227	1.217	125.30	63.0	0.246	
20	20 13C-1,2,3,4,7,8-HxCDD	2.88e5	1.30	NO	0.779	10.052	34.841	34.84	1.014	1.014	113.24	56.9	0.445	
21	21 13C-1,2,3,6,7,8-HxCDD	3.55e5	1.29	NO	1.02	10.052	34.955	34.94	1.017	1.017	106.87	53.7	0.341	
22	22 13C-1,2,3,7,8,9-HxCDD	2.95e5	1.25	NO	0.903	10.052	35.226	35.22	1.025	1.025	100.25	50.4	0.384	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.22e5	1.04	NO	0.689	10.052	38.751	38.77	1.128	1.128	98.794	49.7	0.410	
24	24 13C-OCDD	4.12e5	0.90	NO	0.652	10.052	41.775	41.74	1.216	1.215	193.55	48.6	0.504	
25	25 13C-2,3,7,8-TCDF	7.79e5	0.77	NO	1.06	10.052	25.578	25.61	0.989	0.991	125.05	62.8	0.314	
26	26 13C-1,2,3,7,8-PeCDF	6.47e5	1.58	NO	0.838	10.052	30.111	30.18	1.165	1.167	131.31	66.0	0.517	
27	27 13C-2,3,4,7,8-PeCDF	6.18e5	1.60	NO	0.817	10.052	31.065	31.16	1.202	1.205	128.75	64.7	0.531	
28	28 13C-1,2,3,4,7,8-HxCDF	3.64e5	0.50	NO	1.01	10.052	33.972	33.96	0.989	0.989	110.57	55.6	0.493	
29	29 13C-1,2,3,6,7,8-HxCDF	4.22e5	0.50	NO	1.17	10.052	34.096	34.08	0.992	0.992	110.78	55.7	0.425	
30	30 13C-2,3,4,6,7,8-HxCDF	3.49e5	0.49	NO	1.02	10.052	34.670	34.67	1.009	1.009	104.56	52.6	0.486	
31	31 13C-1,2,3,7,8,9-HxCDF	2.79e5	0.50	NO	0.860	10.052	35.570	35.58	1.035	1.036	99.512	50.0	0.577	

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-9.qld

Last Altered: Wednesday, June 10, 2020 3:11:42 PM Pacific Daylight Time

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Name: 200605R1_9, Date: 05-Jun-2020, Time: 16:04:04, ID: 2000995-05 PDI-068SC-B-05-07-200430 18.77, Description: PDI-068SC-B-05-07-200430

#	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	2.40e5	0.44	NO	0.774	10.052	37.319	37.35	1.086	1.087	94.880	47.7	0.395	
33	13C-1,2,3,4,7,8,9-HpCDF	1.59e5	0.44	NO	0.521	10.052	39.349	39.31	1.145	1.144	93.806	47.1	0.587	
34	13C-OCDF	4.13e5	0.91	NO	0.746	10.052	41.946	41.93	1.221	1.220	169.60	42.6	0.432	
35	37Cl-2,3,7,8-TCDD	2.06e5			1.04	10.052	26.569	26.53	1.028	1.026	48.516	61.0	0.0459	
36	13C-1,2,3,4-TCDD	8.14e5	0.80	NO	1.00	10.052	25.890	25.85	1.000	1.000	198.97	100	0.249	
37	13C-1,2,3,4-TCDF	1.17e6	0.78	NO	1.00	10.052	24.360	24.18	1.000	1.000	198.97	100	0.333	
38	13C-1,2,3,4,6,9-HxCDF	6.49e5	0.50	NO	1.00	10.052	34.420	34.36	1.000	1.000	198.97	100	0.496	
39	Total Tetra-Dioxins				0.888	10.052	24.620		0.000		6.6896		0.151	6.92
40	Total Penta-Dioxins				0.908	10.052	29.960		0.000		22.901		0.183	25.1
41	Total Hexa-Dioxins				0.892	10.052	33.635		0.000		294.80		0.620	295
42	Total Hepta-Dioxins				0.864	10.052	37.640		0.000		2870.9		2.93	2870
43	Total Tetra-Furans				0.751	10.052	23.610		0.000		66.608		0.264	66.9
44	1st Func. Penta-Furans				0.893	10.052	27.580		0.000		103.20		0.0643	103
45	Total Penta-Furans				0.893	10.052	29.275		0.000		52.235		0.230	56.7
46	Total Hexa-Furans				0.934	10.052	33.555		0.000		283.50		0.599	284
47	Total Hepta-Furans				0.873	10.052	37.835		0.000		772.51		1.09	773

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Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R1_9, Date: 05-Jun-2020, Time: 16:04:04, ID: 2000995-05 PDI-068SC-B-05-07-200430 18.77, Description: PDI-068SC-B-05-07-200430

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.50	1.768e4	1.990e4	1.653e3	1.908e3	0.87	NO	3.561e3	1.2874	1.2874	0.151
2	Total Tetra-Dioxins	22.95	1.160e4	1.525e4	1.012e3	1.439e3	0.70	NO	2.451e3	0.88628	0.88628	0.151
3	Total Tetra-Dioxins	23.48	8.879e3	1.097e4	7.158e2	8.762e2	0.82	NO	1.592e3	0.57564	0.57564	0.151
4	Total Tetra-Dioxins	24.33	7.110e3	6.981e3	4.670e2	5.320e2	0.88	NO	9.990e2	0.36119	0.36119	0.151
5	Total Tetra-Dioxins	24.60	1.042e4	1.939e4	9.939e2	1.454e3	0.68	NO	2.447e3	0.88490	0.88490	0.151
6	Total Tetra-Dioxins	24.84	1.275e4	2.335e4	1.148e3	1.581e3	0.73	NO	2.728e3	0.98636	0.98636	0.151
7	Total Tetra-Dioxins	25.05	4.716e3	5.816e3	2.861e2	4.016e2	0.71	NO	6.877e2	0.24864	0.24864	0.151
8	Total Tetra-Dioxins	25.27	2.387e3	4.387e3	2.070e2	2.779e2	0.74	NO	4.849e2	0.17532	0.17532	0.151
9	Total Tetra-Dioxins	25.45	5.564e3	1.055e4	4.440e2	6.508e2	0.68	NO	1.095e3	0.39581	0.39581	0.151
10	Total Tetra-Dioxins	25.83	6.233e3	4.393e3	2.912e2	3.390e2	0.86	NO	6.302e2	0.22787	0.22787	0.151
11	Total Tetra-Dioxins	26.26	4.554e3	8.778e3	4.170e2	6.370e2	0.65	NO	1.054e3	0.38106	0.38106	0.151
12	2,3,7,8-TCDD	26.54	4.298e3	8.868e3	2.776e2	5.828e2	0.48	YES	8.604e2	0.00000	0.23073	0.151
13	Total Tetra-Dioxins	26.84	5.382e3	6.228e3	3.507e2	4.214e2	0.83	NO	7.721e2	0.27916	0.27916	0.151

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.25	9.169e4	1.466e5	7.545e3	1.196e4	0.63	NO	1.951e4	9.8209	9.8209	0.183
2	Total Penta-Dioxins	29.74	2.525e4	3.208e4	1.350e3	2.333e3	0.58	NO	3.683e3	1.8540	1.8540	0.183
3	Total Penta-Dioxins	30.25	5.468e4	7.910e4	3.055e3	4.560e3	0.67	NO	7.615e3	3.8335	3.8335	0.183
4	Total Penta-Dioxins	30.41	3.561e4	5.885e4	1.696e3	2.911e3	0.58	NO	4.607e3	2.3191	2.3191	0.183
5	Total Penta-Dioxins	30.50	2.315e4	3.496e4	1.268e3	2.265e3	0.56	NO	3.534e3	1.7788	1.7788	0.183
6	Total Penta-Dioxins	30.73	2.328e4	3.312e4	1.382e3	1.508e3	0.92	YES	0.000e0	0.00000	1.2374	0.183
7	Total Penta-Dioxins	30.75	2.070e4	4.108e4	7.249e2	1.812e3	0.40	YES	0.000e0	0.00000	0.94409	0.183
8	Total Penta-Dioxins	31.07	4.069e3	6.722e3	2.293e2	3.733e2	0.61	NO	6.027e2	0.30339	0.30339	0.183
9	1,2,3,7,8-PeCDD	31.48	2.296e4	4.653e4	1.239e3	2.119e3	0.58	NO	3.358e3	1.6904	1.6904	0.183
10	Total Penta-Dioxins	31.56	1.063e4	1.616e4	4.530e2	8.022e2	0.56	NO	1.255e3	0.63186	0.63186	0.183
11	Total Penta-Dioxins	31.86	1.126e4	1.657e4	5.045e2	8.243e2	0.61	NO	1.329e3	0.66892	0.66892	0.183

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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	33.35	1.951e6	1.589e6	1.014e5	8.302e4	1.22	NO	1.845e5	131.58	131.58	0.620
2	Total Hexa-Dioxins	33.90	9.879e4	9.331e4	6.070e3	5.179e3	1.17	NO	1.125e4	8.0246	8.0246	0.620
3	Total Hexa-Dioxins	34.17	1.261e6	1.001e6	8.755e4	7.146e4	1.23	NO	1.590e5	113.43	113.43	0.620
4	Total Hexa-Dioxins	34.27	6.626e4	4.803e4	3.594e3	2.859e3	1.26	NO	6.453e3	4.6035	4.6035	0.620
5	1,2,3,4,7,8-HxCDD	34.85	2.763e4	2.484e4	1.507e3	1.223e3	1.23	NO	2.730e3	1.8256	1.8256	0.533
6	1,2,3,6,7,8-HxCDD	34.96	3.473e5	3.006e5	2.305e4	1.889e4	1.22	NO	4.194e4	26.372	26.372	0.562
7	Total Hexa-Dioxins	35.15	2.121e4	1.558e4	1.251e3	9.198e2	1.36	NO	2.171e3	1.5488	1.5488	0.620
8	1,2,3,7,8,9-HxCDD	35.24	8.288e4	6.111e4	5.456e3	4.295e3	1.27	NO	9.751e3	7.4077	7.4077	0.696

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.76	1.053e7	1.034e7	8.433e5	8.370e5	1.01	NO	1.680e6	1741.6	1741.6	2.93
2	1,2,3,4,6,7,8-HpCDD	38.78	7.313e6	7.206e6	5.486e5	5.409e5	1.01	NO	1.090e6	1129.3	1129.3	2.93

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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	20.39	1.028e4	1.011e4	5.707e2	8.020e2	0.71	NO	1.373e3	0.46693	0.46693	0.264
2	Total Tetra-Furans	20.92	4.809e4	5.752e4	4.020e3	5.204e3	0.77	NO	9.224e3	3.1378	3.1378	0.264
3	Total Tetra-Furans	21.53	2.913e5	3.927e5	2.694e4	3.608e4	0.75	NO	6.302e4	21.437	21.437	0.264
4	Total Tetra-Furans	21.99	1.943e4	2.512e4	1.935e3	2.568e3	0.75	NO	4.503e3	1.5317	1.5317	0.264
5	Total Tetra-Furans	22.10	1.503e4	1.664e4	1.256e3	1.743e3	0.72	NO	2.999e3	1.0202	1.0202	0.264
6	Total Tetra-Furans	22.49	8.976e4	1.286e5	8.931e3	1.215e4	0.74	NO	2.108e4	7.1711	7.1711	0.264
7	Total Tetra-Furans	23.00	1.113e5	1.472e5	1.083e4	1.455e4	0.74	NO	2.538e4	8.6340	8.6340	0.264
8	Total Tetra-Furans	23.16	5.622e3	8.137e3	4.501e2	6.748e2	0.67	NO	1.125e3	0.38264	0.38264	0.264
9	Total Tetra-Furans	23.33	8.508e3	1.217e4	8.086e2	1.099e3	0.74	NO	1.907e3	0.64886	0.64886	0.264
10	Total Tetra-Furans	23.94	1.629e4	1.809e4	1.301e3	1.740e3	0.75	NO	3.041e3	1.0343	1.0343	0.264
11	Total Tetra-Furans	24.09	1.054e5	1.347e5	8.957e3	1.241e4	0.72	NO	2.137e4	7.2687	7.2687	0.264
12	Total Tetra-Furans	24.18	1.790e4	2.159e4	1.342e3	1.723e3	0.78	NO	3.064e3	1.0423	1.0423	0.264
13	Total Tetra-Furans	24.70	2.559e4	3.283e4	2.838e3	3.425e3	0.83	NO	6.264e3	2.1306	2.1306	0.264
14	Total Tetra-Furans	25.00	5.221e3	8.989e3	3.858e2	6.131e2	0.63	YES	0.000e0	0.00000	0.30166	0.264
15	Total Tetra-Furans	25.20	6.920e3	8.184e3	6.548e2	8.113e2	0.81	NO	1.466e3	0.49872	0.49872	0.264
16	Total Tetra-Furans	25.41	6.969e3	9.200e3	5.082e2	6.923e2	0.73	NO	1.200e3	0.40836	0.40836	0.264
17	Total Tetra-Furans	25.53	1.913e4	2.115e4	1.262e3	1.491e3	0.85	NO	2.752e3	0.93630	0.93630	0.264
18	2,3,7,8-TCDF	25.66	1.392e4	2.104e4	1.013e3	1.496e3	0.68	NO	2.509e3	0.85335	0.85335	0.264
19	Total Tetra-Furans	26.00	9.594e3	1.407e4	7.531e2	1.130e3	0.67	NO	1.883e3	0.64056	0.64056	0.264
20	Total Tetra-Furans	26.27	4.399e3	5.621e3	2.409e2	3.586e2	0.67	NO	5.994e2	0.20390	0.20390	0.264
21	Total Tetra-Furans	26.66	5.716e3	5.696e3	3.003e2	3.762e2	0.80	NO	6.765e2	0.23012	0.23012	0.264
22	Total Tetra-Furans	27.17	2.760e4	4.168e4	1.894e3	2.444e3	0.78	NO	4.338e3	1.4758	1.4758	0.264
23	Total Tetra-Furans	27.35	2.756e4	3.792e4	1.790e3	2.205e3	0.81	NO	3.995e3	1.3588	1.3588	0.264
24	Total Tetra-Furans	27.64	8.169e4	1.071e5	5.355e3	6.685e3	0.80	NO	1.204e4	4.0957	4.0957	0.264

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	27.62	2.935e6	1.796e6	1.804e5	1.125e5	1.60	NO	2.929e5	103.20	103.20	0.0643

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-9.qld

Last Altered: Wednesday, June 10, 2020 3:11:42 PM Pacific Daylight Time

Printed: Wednesday, June 10, 2020 3:13:07 PM Pacific Daylight Time

Name: 200605R1_9, Date: 05-Jun-2020, Time: 16:04:04, ID: 2000995-05 PDI-068SC-B-05-07-200430 18.77, Description: PDI-068SC-B-05-07-200430

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.07	7.030e4	3.581e4	3.448e3	1.942e3	1.78	NO	5.389e3	1.8987	1.8987	0.230
2	Total Penta-Furans	29.21	5.900e5	3.296e5	4.293e4	2.572e4	1.67	NO	6.866e4	24.189	24.189	0.230
3	Total Penta-Furans	29.28	5.464e4	4.258e4	2.461e3	1.580e3	1.56	NO	4.041e3	1.4237	1.4237	0.230
4	Total Penta-Furans	29.80	3.420e5	2.195e5	2.148e4	1.396e4	1.54	NO	3.544e4	12.485	12.485	0.230
5	Total Penta-Furans	30.02	1.933e4	1.426e4	1.243e3	7.933e2	1.57	NO	2.036e3	0.71739	0.71739	0.230
6	1,2,3,7,8-PeCDF	30.20	2.232e4	1.290e4	1.316e3	7.643e2	1.72	NO	2.080e3	0.71641	0.71641	0.232
7	Total Penta-Furans	30.47	9.297e4	6.585e4	5.624e3	3.532e3	1.59	NO	0.000e0	0.00000	3.2258	0.230
8	Total Penta-Furans	30.50	5.097e4	3.388e4	1.980e3	1.451e3	1.36	NO	0.000e0	0.00000	1.2087	0.230
9	Total Penta-Furans	31.07	1.897e4	1.059e4	1.073e3	6.032e2	1.78	NO	1.676e3	0.59041	0.59041	0.230
10	2,3,4,7,8-PeCDF	31.21	2.744e5	1.746e5	1.431e4	9.707e3	1.47	NO	2.402e4	8.2676	8.2676	0.217
11	Total Penta-Furans	31.24	1.158e5	8.410e4	2.730e3	1.557e3	1.75	NO	4.287e3	1.5103	1.5103	0.230
12	Total Penta-Furans	32.14	1.162e4	7.157e3	7.218e2	5.166e2	1.40	NO	1.238e3	0.43629	0.43629	0.230

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.80	5.985e5	4.653e5	2.890e4	2.305e4	1.25	NO	5.195e4	31.316	31.316	0.599
2	Total Hexa-Furans	32.96	1.505e6	1.265e6	7.820e4	6.452e4	1.21	NO	1.427e5	86.039	86.039	0.599
3	Total Hexa-Furans	33.32	2.078e4	1.988e4	1.130e3	9.423e2	1.20	NO	2.073e3	1.2495	1.2495	0.599
4	Total Hexa-Furans	33.51	2.517e6	2.111e6	1.299e5	1.085e5	1.20	NO	2.384e5	143.72	143.72	0.599
5	1,2,3,4,7,8-HxCDF	33.98	8.701e4	7.238e4	4.836e3	3.912e3	1.24	NO	8.748e3	5.4128	5.4128	0.554
6	1,2,3,6,7,8-HxCDF	34.10	8.740e4	7.389e4	5.143e3	4.344e3	1.18	NO	9.488e3	5.0317	5.0317	0.515
7	2,3,4,6,7,8-HxCDF	34.69	1.289e5	1.105e5	8.039e3	6.653e3	1.21	NO	1.469e4	8.9750	8.9750	0.587
8	1,2,3,7,8,9-HxCDF	35.65	1.617e4	1.364e4	9.509e2	8.980e2	1.06	NO	1.849e3	1.5136	1.5136	0.939
9	Total Hexa-Furans	35.67	8.287e3	6.492e3	2.183e2	1.761e2	1.24	NO	3.944e2	0.23776	0.23776	0.599

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-9.qld

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Name: 200605R1_9, Date: 05-Jun-2020, Time: 16:04:04, ID: 2000995-05 PDI-068SC-B-05-07-200430 18.77, Description: PDI-068SC-B-05-07-200430

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.37	1.957e6	1.947e6	1.481e5	1.481e5	1.00	NO	2.963e5	281.44	281.44	0.941
2	Total Hepta-Furans	37.76	1.345e4	1.150e4	8.907e2	8.637e2	1.03	NO	1.754e3	2.0019	2.0019	1.09
3	Total Hepta-Furans	37.99	2.649e6	2.689e6	2.118e5	2.130e5	0.99	NO	4.248e5	484.68	484.68	1.09
4	1,2,3,4,7,8,9-HpCDF	39.31	3.015e4	3.305e4	1.709e3	1.857e3	0.92	NO	3.567e3	4.3933	4.3933	1.13

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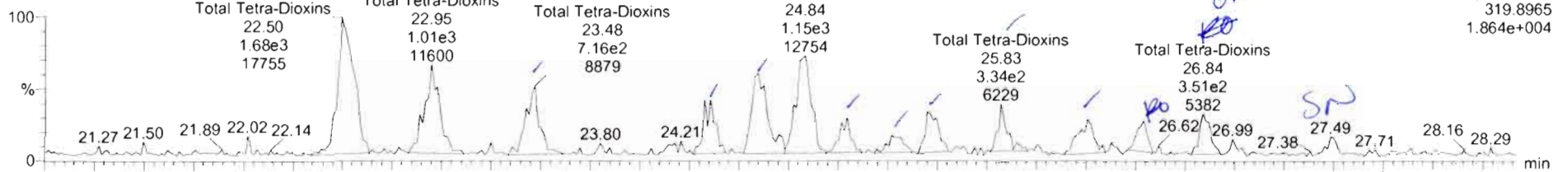
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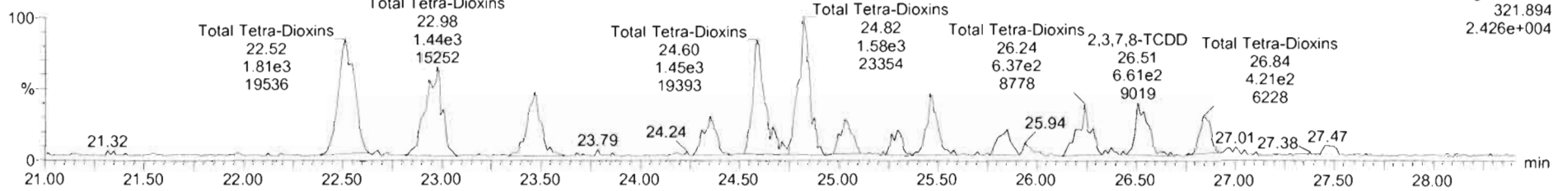
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2,3,7,8-TCDD

200605R1_9

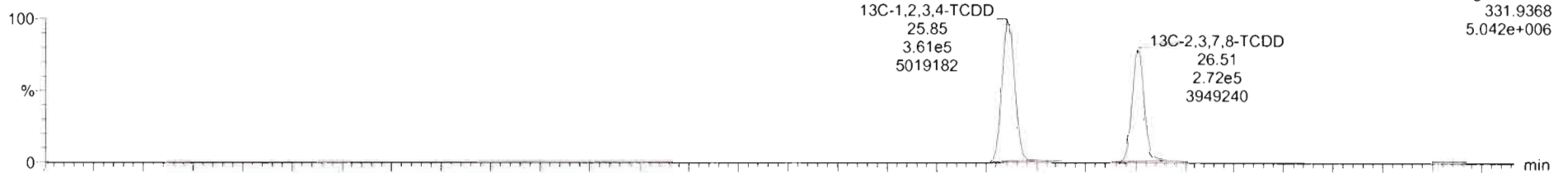


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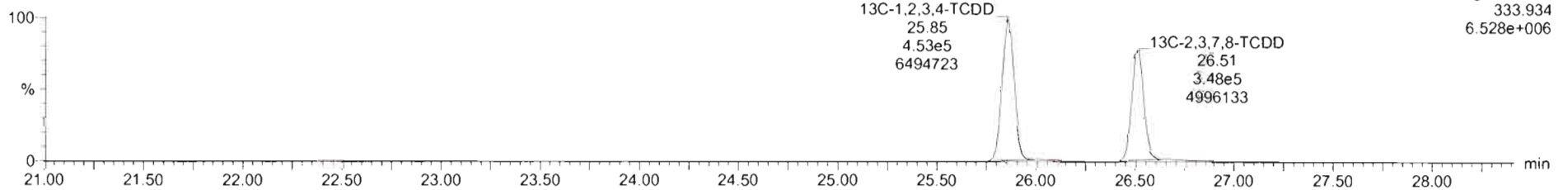


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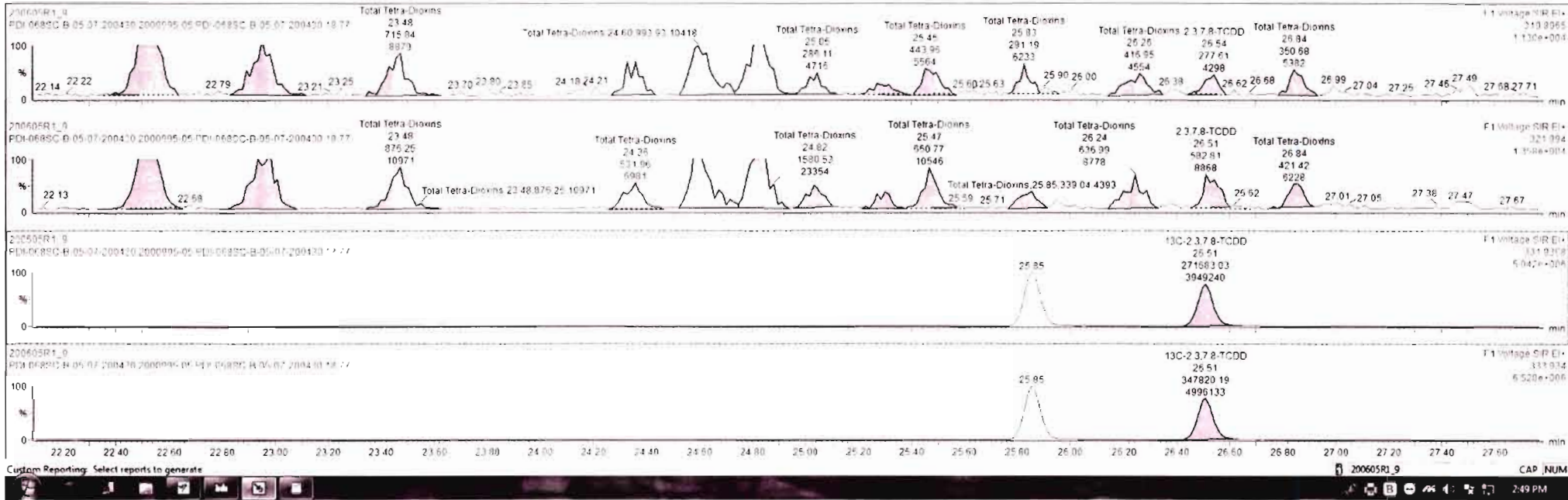
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200605R1_9 - 2000995-05 PDI-068SC-B-05-07-200430 18 77 - PDI-068SC-B-05-07-200430

Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.8883	10.052			6.69		0.151	6.92
40 Total Penta-Dioxins				0.9081	10.052			25.0		0.183	25.6

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1 Total Tetra-Dioxins	22.50	1.653e3	1.908e3	0.87	NO	1.2874	1.2874
2 Total Tetra-Dioxins	22.95	1.012e3	1.439e3	0.70	NO	0.88628	0.88628
3 Total Tetra-Dioxins	23.48	7.158e2	8.752e2	0.82	NO	0.57564	0.57564
4 Total Tetra-Dioxins	24.33	4.670e2	5.320e2	0.88	NO	0.36119	0.36119
5 Total Tetra-Dioxins	24.60	9.939e2	1.454e3	0.68	NO	0.88490	0.88490
6 Total Tetra-Dioxins	24.84	1.148e3	1.581e3	0.73	NO	0.98626	0.98626
7 Total Tetra-Dioxins	25.05	2.861e2	4.016e2	0.71	NO	0.24864	0.24864
8 Total Tetra-Dioxins	25.27	2.070e2	2.779e2	0.74	NO	0.17532	0.17532
9 Total Tetra-Dioxins	25.45	4.440e2	6.508e2	0.68	NO	0.39581	0.39581
10 Total Tetra-Dioxins	25.83	2.912e2	3.390e2	0.86	NO	0.22787	0.22787
11 Total Tetra-Dioxins	26.26	4.170e2	6.370e2	0.65	NO	0.38106	0.38106
12 2,3,7,8-TCDD	26.54	2.776e2	5.828e2	0.48	YES	0.23073	0.23073
13 Total Tetra-Dioxins	26.84	3.507e2	4.214e2	0.83	NO	0.27916	0.27916



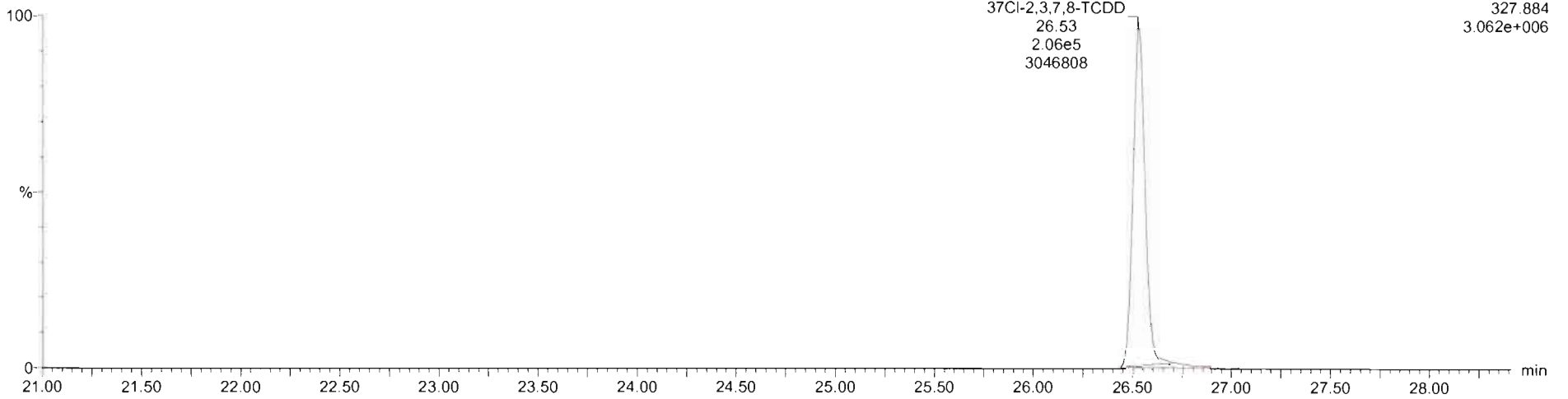
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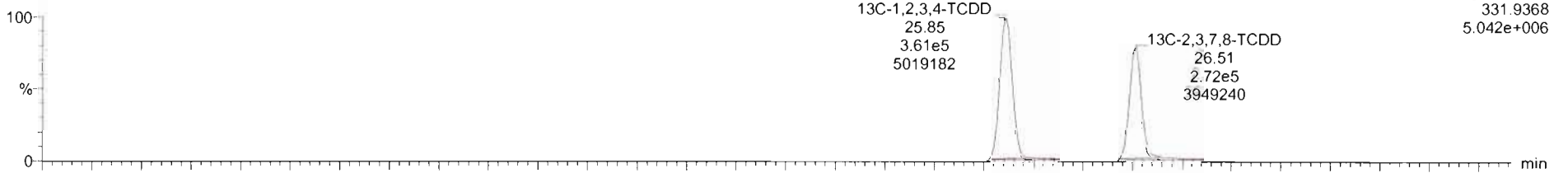
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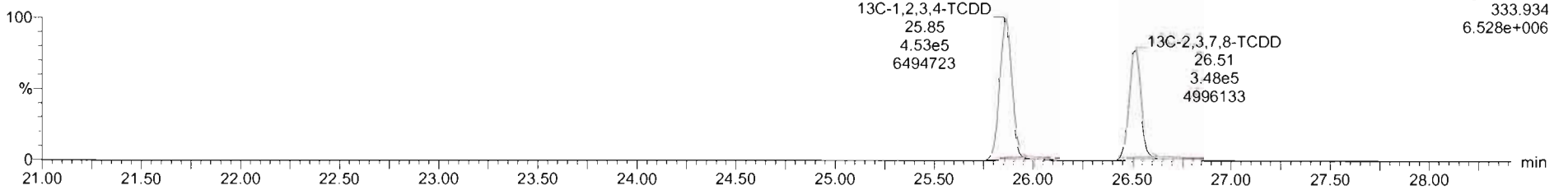


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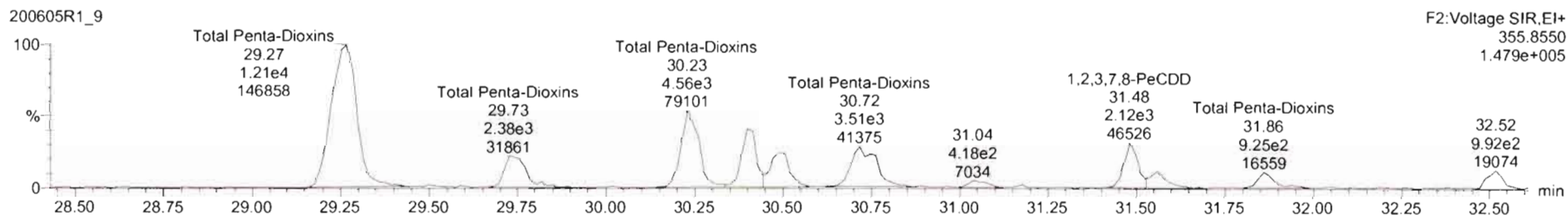
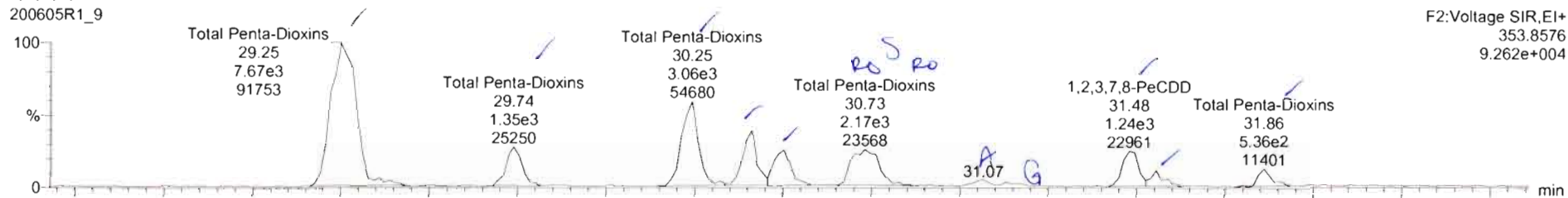


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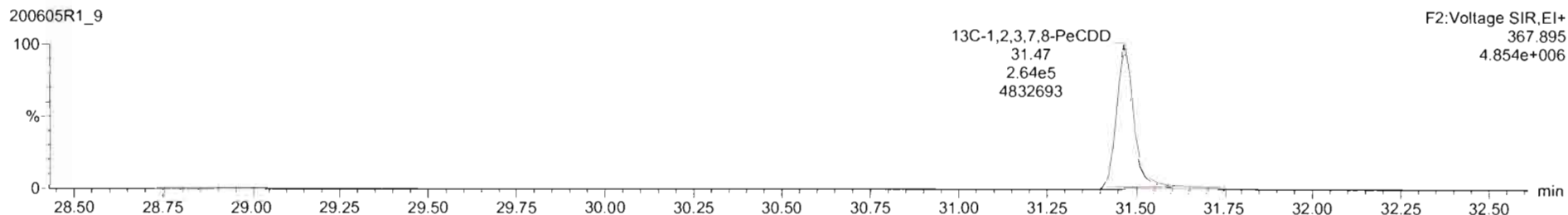
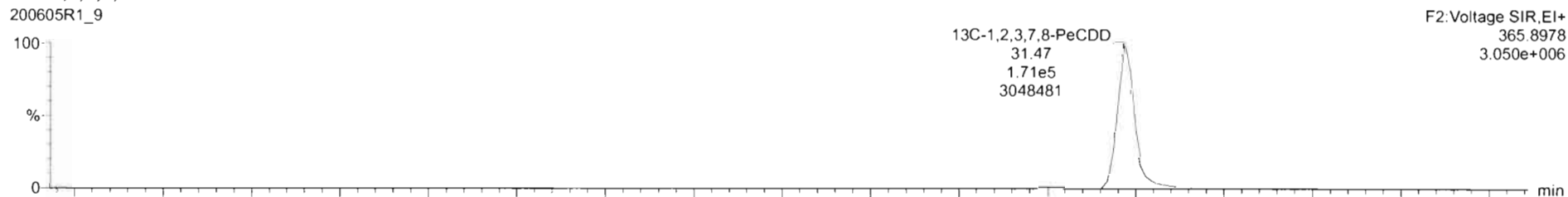
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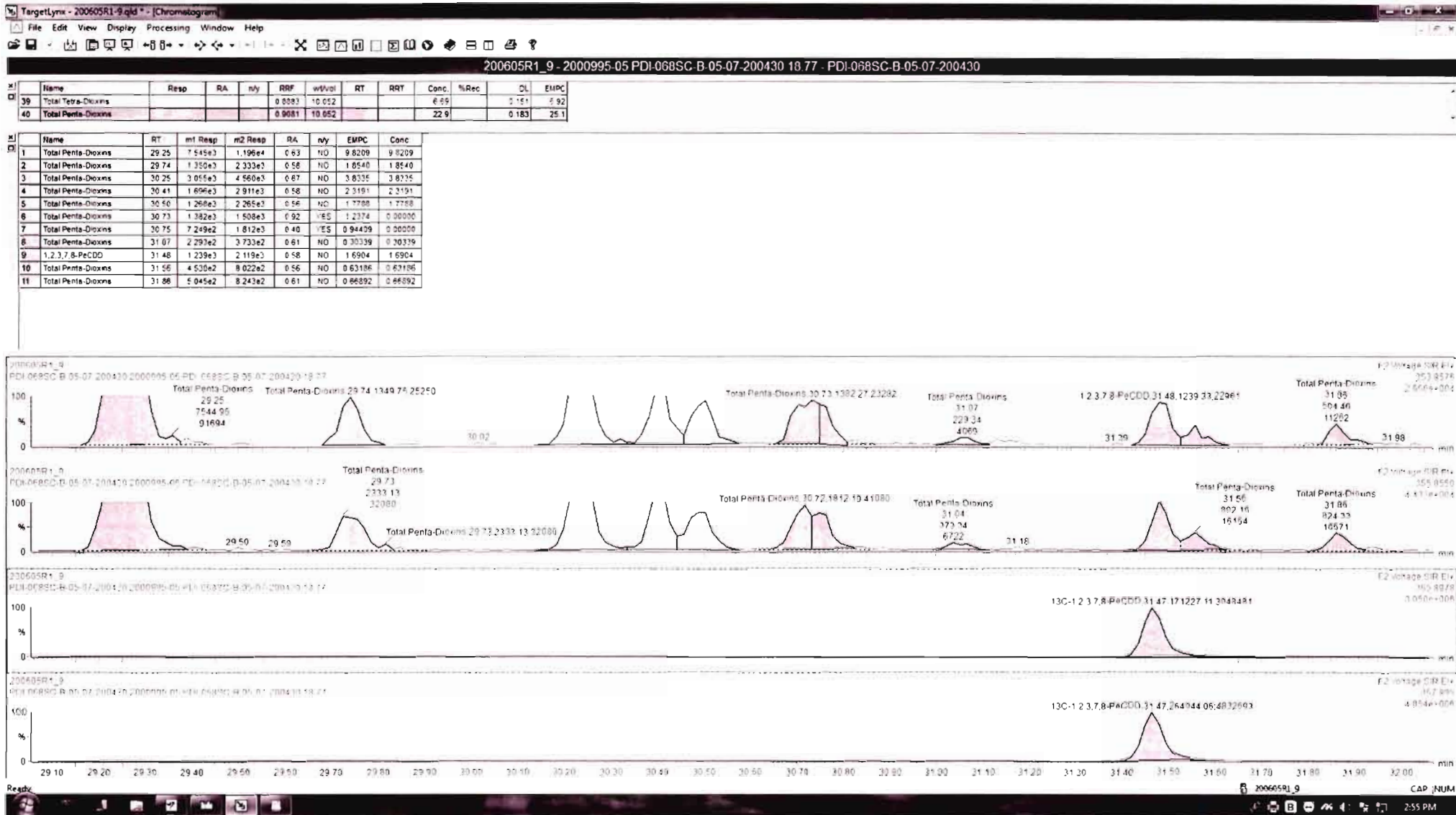
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1,2,3,7,8-PeCDD



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





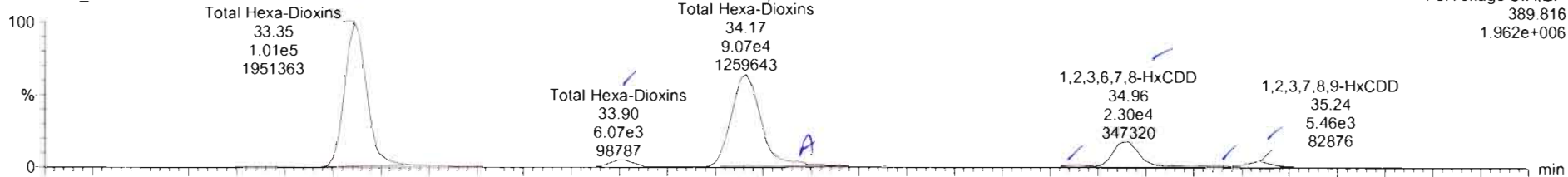
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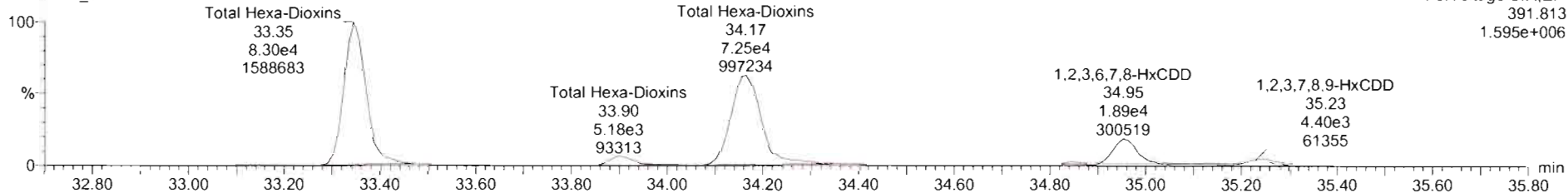
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1,2,3,4,7,8-HxCDD

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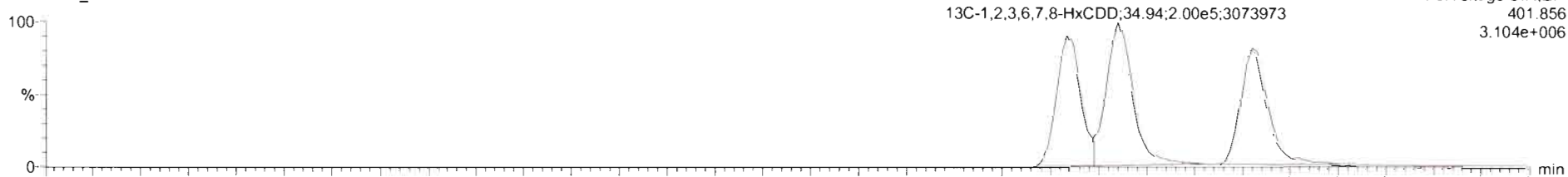


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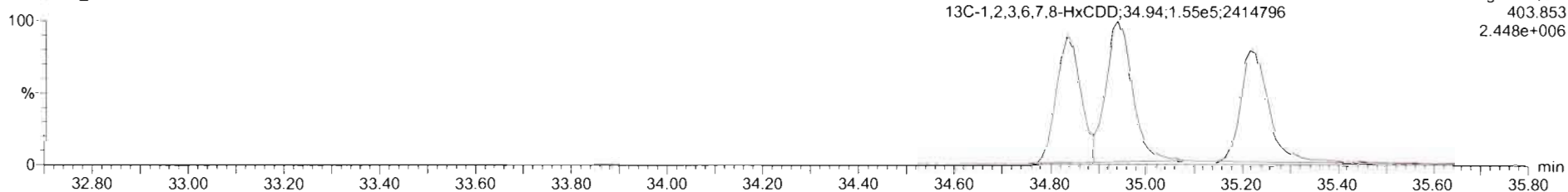


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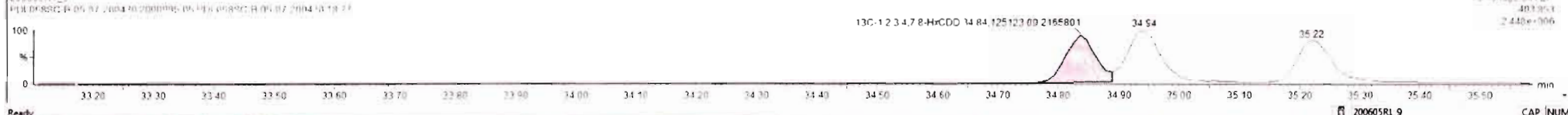
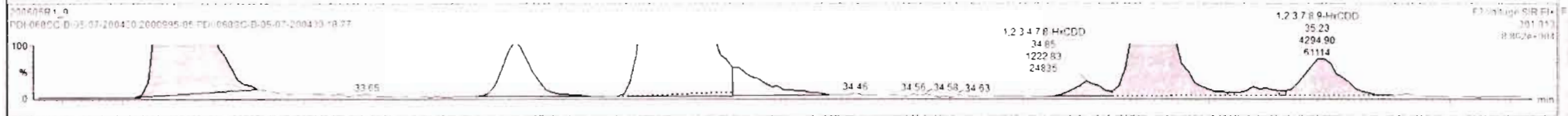
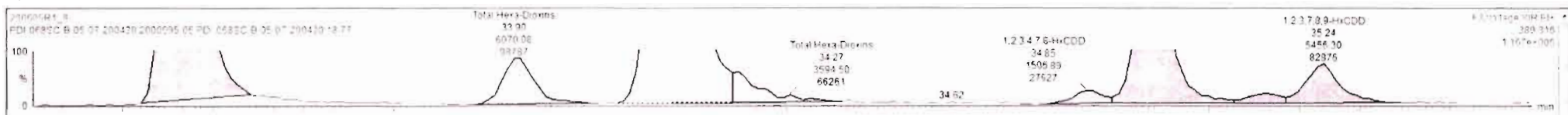


200605R1_9



SI	Name	Resp	RA	nly	RRF	wtVal	RT	RRT	Conc	%Rec	DL	EMPC
39	Total Hexa-Dioxins				0.2883	10.052			6.59		0.151	4.92
40	Total Penta-Dioxins				0.9081	10.052			22.9		0.182	25.1

SI	Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc
1	Total Hexa-Dioxins	33.35	1.014e5	8.302e4	1.22	NO	131.58	131.58
2	Total Hexa-Dioxins	33.90	6.070e3	5.179e3	1.17	NO	3.0246	3.0246
3	Total Hexa-Dioxins	34.17	8.755e4	7.146e4	1.23	NO	113.43	113.43
4	Total Hexa-Dioxins	34.27	3.594e3	2.859e3	1.26	NO	4.6035	4.6035
5	1,2,3,4,7,8-HxCDD	34.85	1.507e3	1.223e3	1.23	NO	1.8256	1.8256
6	1,2,3,6,7,8-HxCDD	34.96	2.305e4	1.889e4	1.22	NO	26.372	26.372
7	Total Hexa-Dioxins	35.15	1.251e3	9.198e2	1.36	NO	1.5488	1.5488
8	1,2,3,7,8,9-HxCDD	35.24	5.456e3	4.295e3	1.27	NO	7.4077	7.4077



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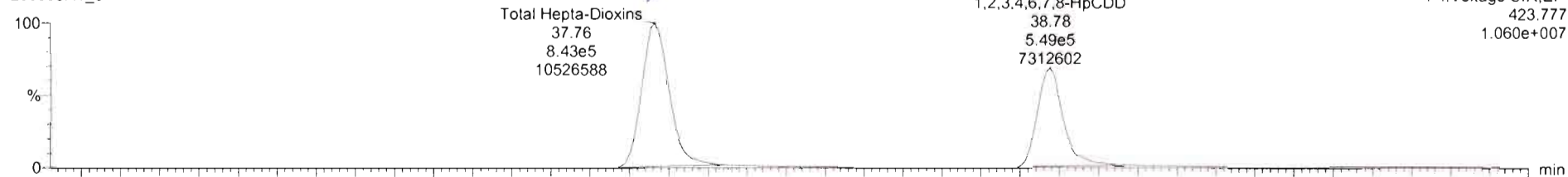
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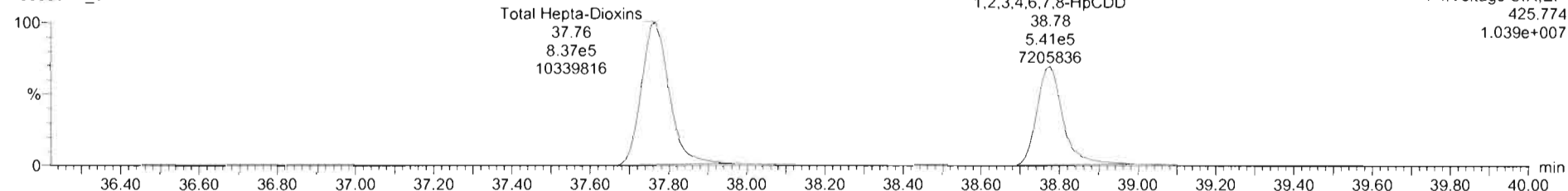
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1,2,3,4,6,7,8-HpCDD

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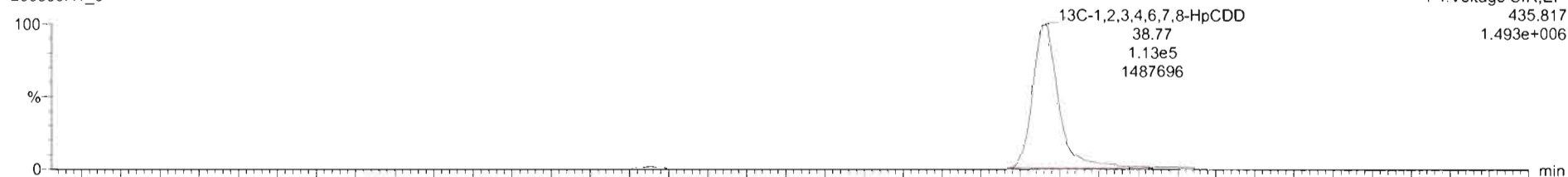


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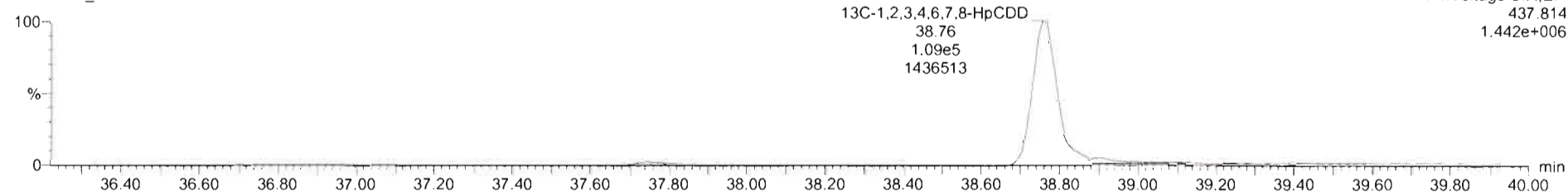


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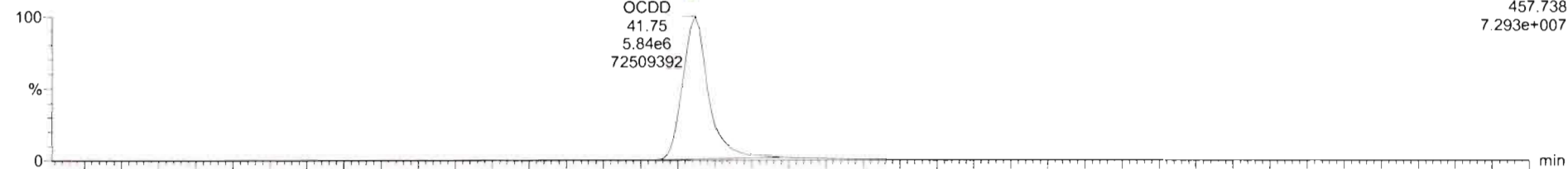
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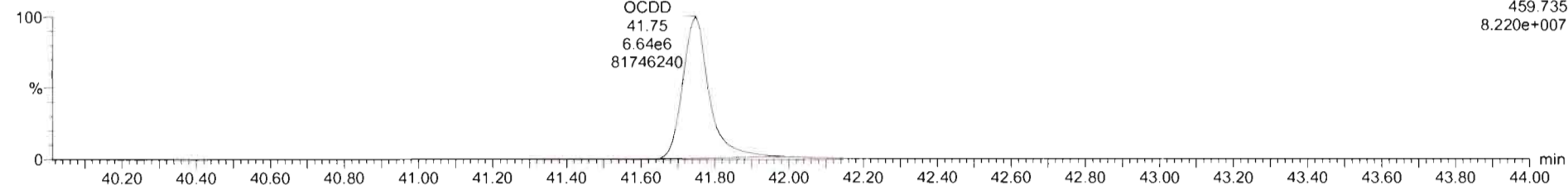
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OCDD

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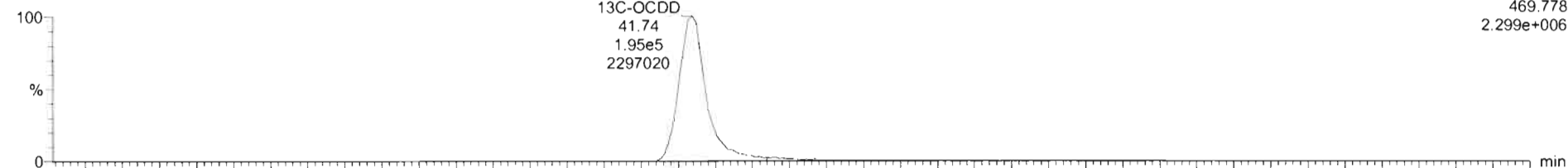


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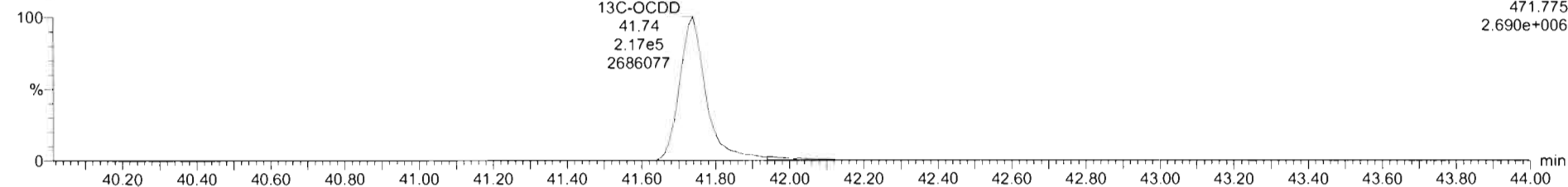


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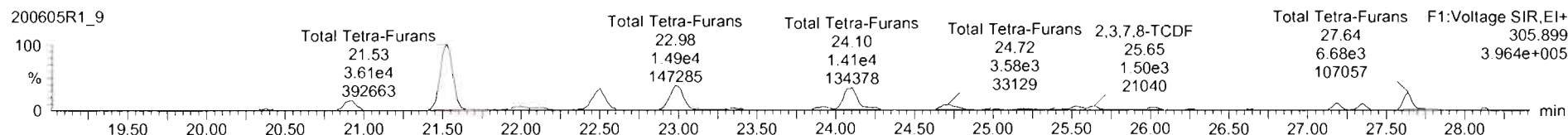
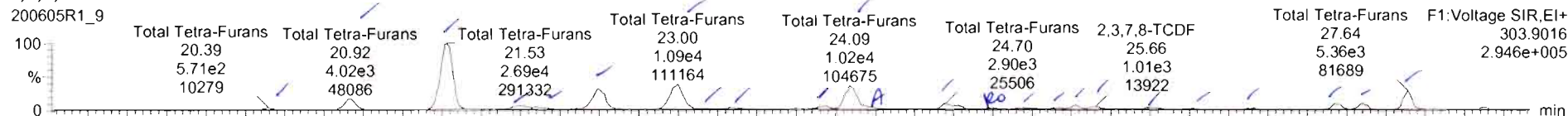


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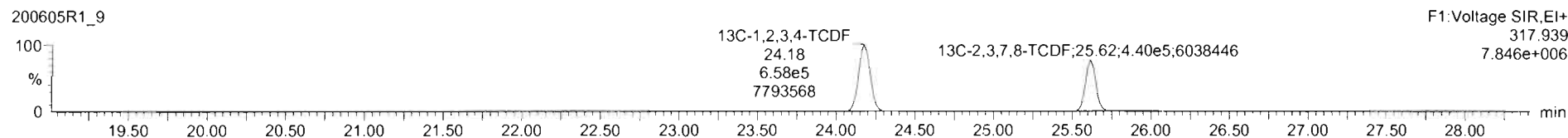
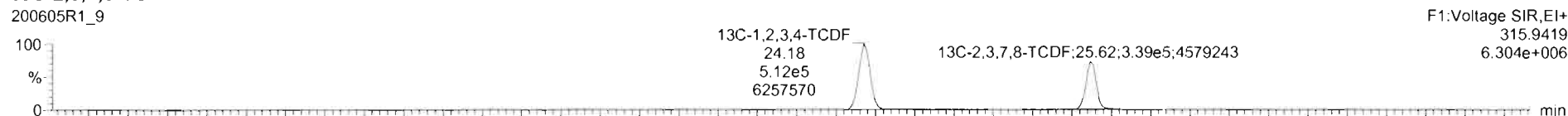
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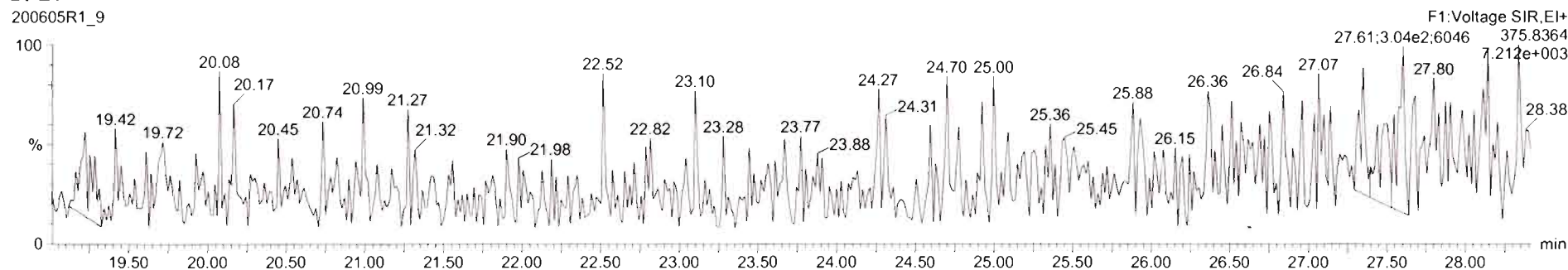
2,3,7,8-TCDF



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



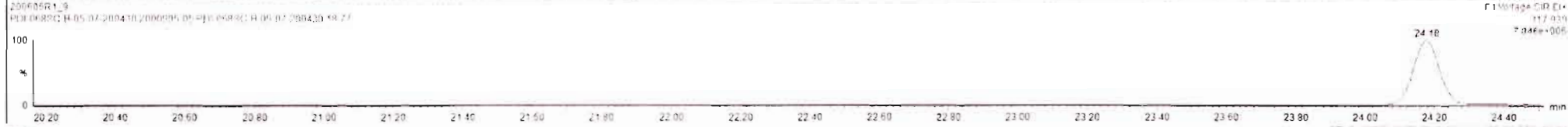
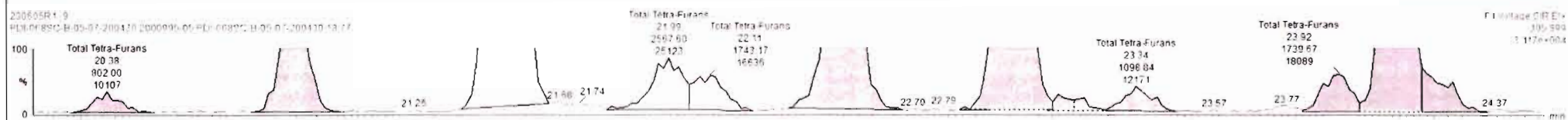
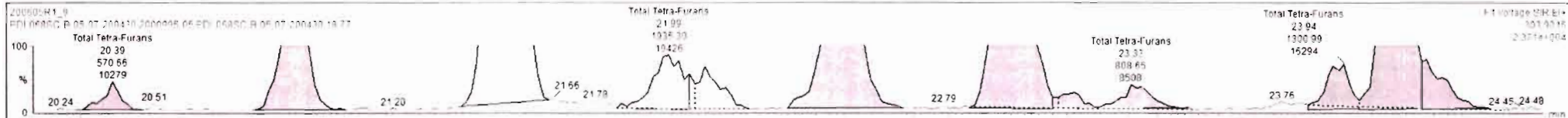
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200605R1_9 - 2000995-05 PDI-068SC-B-05-07-200430 18 77 - PDI-068SC-B-05-07-200430

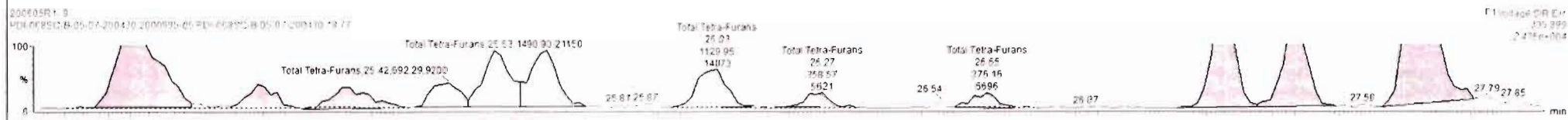
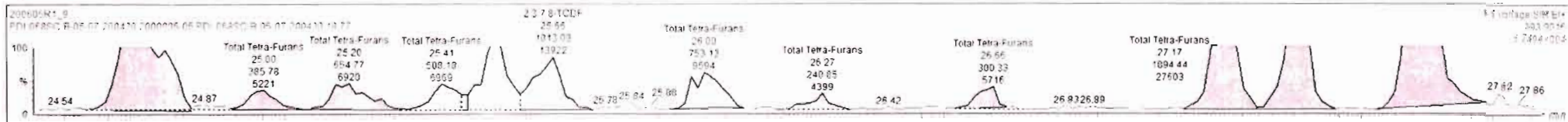
#	Name	Resp	RA	mly	RRF	wVvol	RT	ART	Conc	%Rec	DL	EMPC
42	Total Hepta-Dioxins				0.8639	10.052			2870	2.93	2870	
43	Total Tetra-Furans				0.7510	10.052			65.2	0.264	67.2	

#	Name	RT	m1 Resp	m2 Resp	RA	mly	EMPC	Conc
1	Total Tetra-Furans	20.39	5.707e2	8.020e2	0.71	NO	0.46693	0.46693
2	Total Tetra-Furans	20.92	4.020e3	5.204e3	0.77	NO	3.1378	3.1378
3	Total Tetra-Furans	21.53	2.694e4	3.608e4	0.75	NO	21.437	21.437
4	Total Tetra-Furans	21.99	1.935e3	2.568e3	0.75	NO	1.5317	1.5317
5	Total Tetra-Furans	22.10	1.25e3	1.743e3	0.72	NO	1.0202	1.0202
6	Total Tetra-Furans	22.49	8.931e3	1.215e4	0.74	NO	7.1711	7.1711
7	Total Tetra-Furans	23.00	1.083e4	1.455e4	0.74	NO	0.6340	6.6340
8	Total Tetra-Furans	23.16	4.501e2	6.748e2	0.67	NO	0.38264	0.38264
9	Total Tetra-Furans	23.33	8.086e2	1.099e3	0.74	NO	0.64886	0.64886
10	Total Tetra-Furans	23.94	1.301e3	1.740e3	0.75	NO	1.0343	1.0343
11	Total Tetra-Furans	24.09	8.957e3	1.241e4	0.72	NO	7.2687	7.2687
12	Total Tetra-Furans	24.18	1.342e3	1.723e3	0.78	NO	1.0423	1.0423



#	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
42	Total Hexa-Chlorins				0.8639	10.052			2870		2.93	2870
43	Total Tetra-Furans				0.7510	10.052			66.6		0.264	66.9

#	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
13	Total Tetra-Furans	24.70	2.838e3	3.425e3	0.83	NO	2.1206	2.1206
14	Total Tetra-Furans	25.00	3.858e2	6.131e2	0.63	YES	0.30166	0.00000
15	Total Tetra-Furans	25.20	8.548e2	8.113e2	0.81	NO	0.49872	0.49872
16	Total Tetra-Furans	25.41	5.982e2	6.923e2	0.73	NO	0.40836	0.40836
17	Total Tetra-Furans	25.53	1.267e3	1.491e3	0.85	NO	0.93630	0.93630
18	2,3,7,8-TCDF	25.66	1.013e3	1.496e3	0.68	NO	0.85335	3.85315
19	Total Tetra-Furans	26.00	7.531e2	1.130e3	0.67	NO	0.64056	0.64056
20	Total Tetra-Furans	26.27	2.409e2	3.586e2	0.67	NO	0.20390	0.20390
21	Total Tetra-Furans	26.66	3.003e2	3.762e2	0.80	NO	0.23012	0.23012
22	Total Tetra-Furans	27.17	1.894e3	2.444e3	0.78	NO	1.4758	1.4758
23	Total Tetra-Furans	27.35	1.790e3	2.205e3	0.81	NO	1.3588	1.3588
24	Total Tetra-Furans	27.64	5.355e3	6.685e3	0.80	NO	4.0957	4.0957



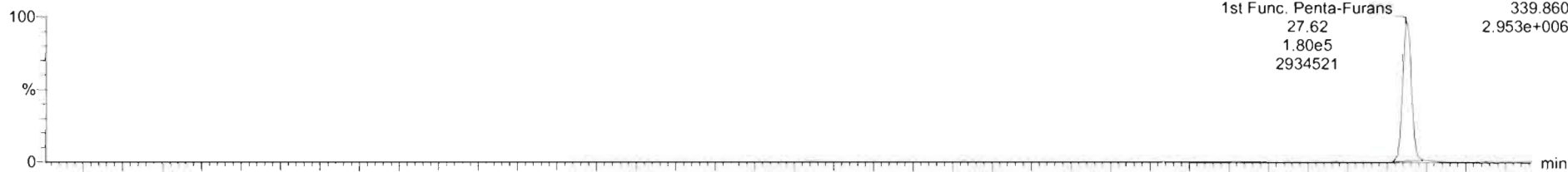
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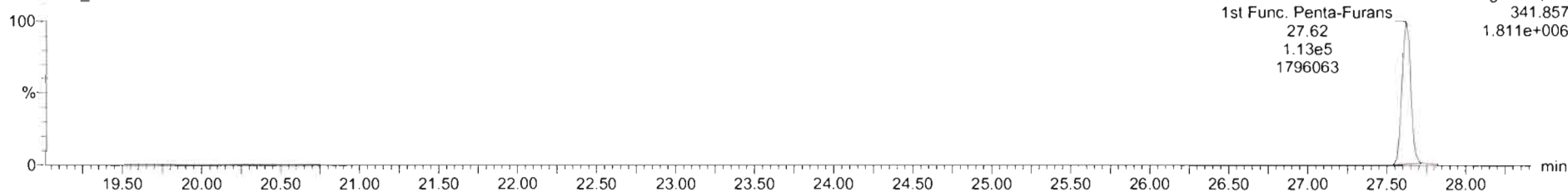
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1st Func. Penta-Furans

200605R1_9

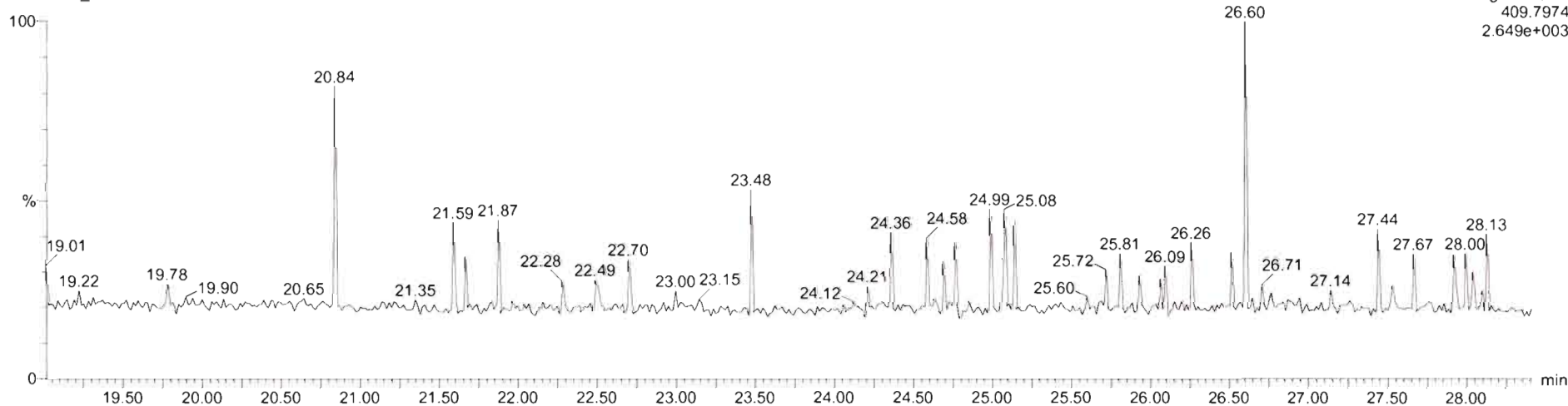


200605R1_9



DPE6

200605R1_9

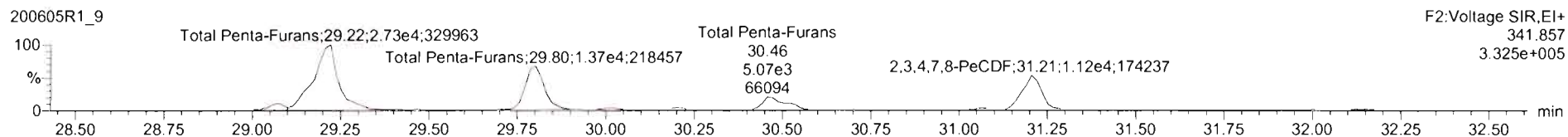
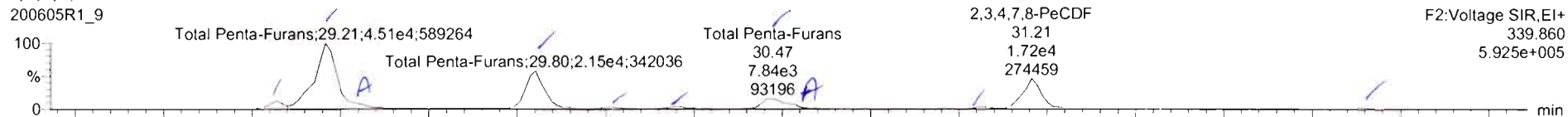


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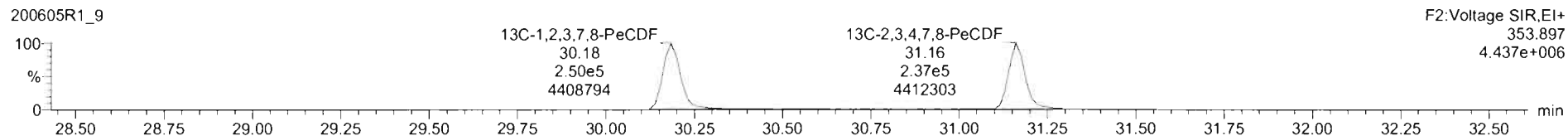
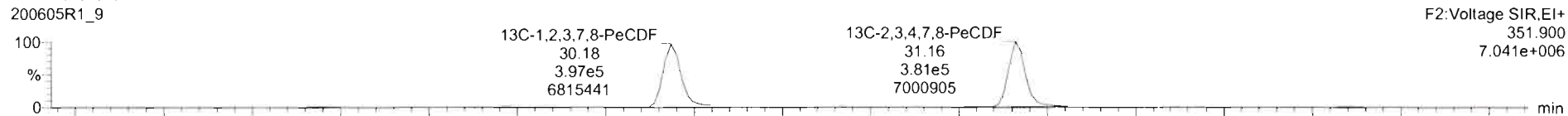
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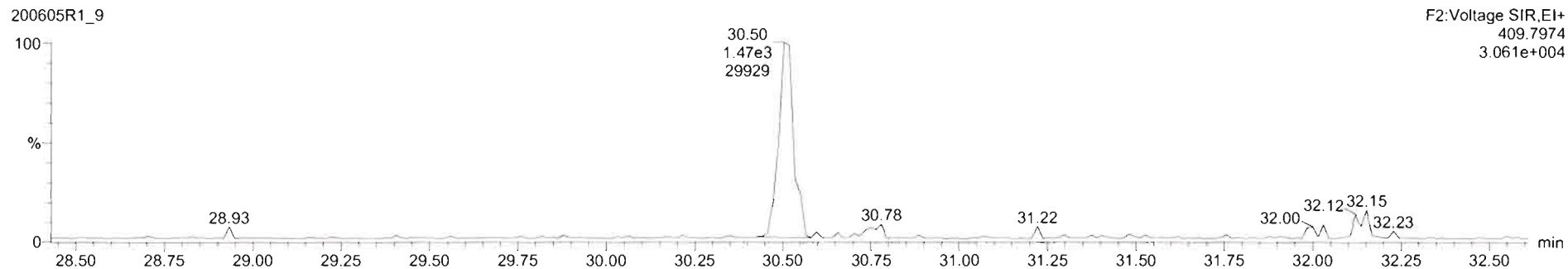
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13C-1,2,3,7,8-PeCDF



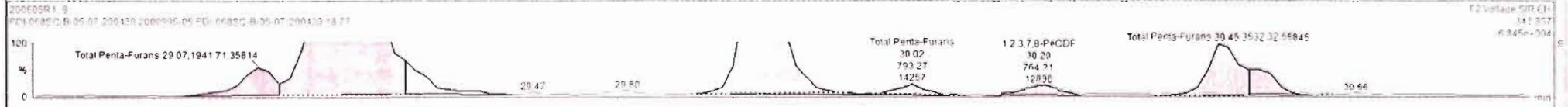
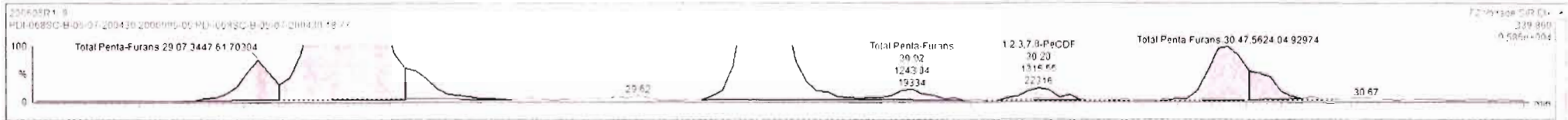
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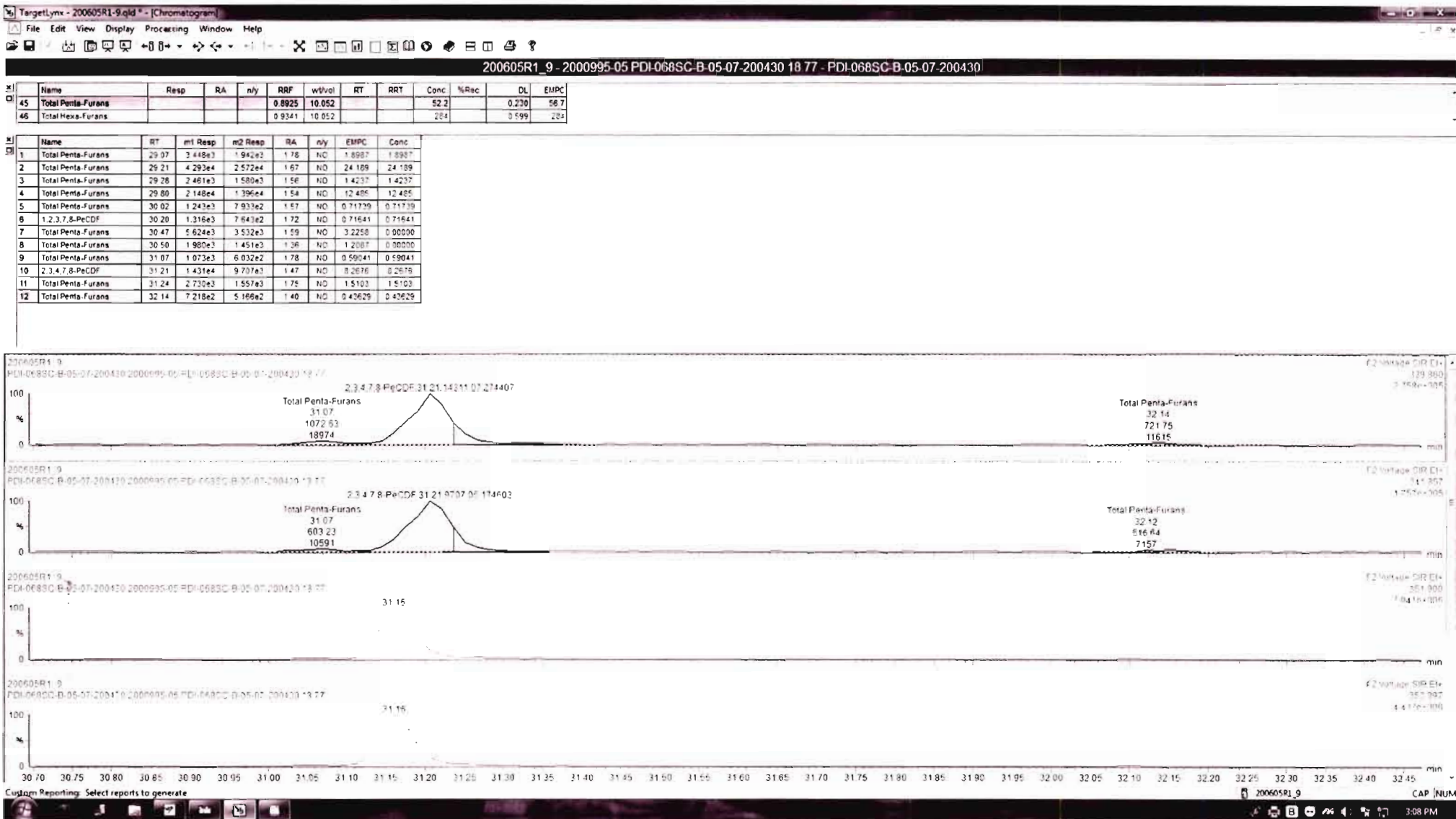


200605R1_9 - 2000995-05 PDI-068SC-B-05-07-200430 18.77 - PDI-068SC-B-05-07-200430

Name	Resp	RA	n/y	RRF	wt/wt	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.052			59.9		0.230	56.5
46 Total Hexa-Furans				0.9341	10.052			284		0.599	224

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1 Total Penta-Furans	29.07	3.448e3	1.942e3	1.78	NO	1.8987	1.8987
2 Total Penta-Furans	29.21	4.293e4	2.572e4	1.67	NO	24.109	24.109
3 Total Penta-Furans	29.28	2.461e3	1.580e3	1.58	NO	1.4237	1.4237
4 Total Penta-Furans	29.80	2.148e4	1.396e4	1.54	NO	12.485	12.485
5 Total Penta-Furans	30.02	1.243e3	7.933e2	1.57	NO	0.71739	0.00000
6 1,2,3,7,8-PeCDF	30.20	1.315e3	7.843e2	1.72	NO	0.71641	0.71641
7 Total Penta-Furans	30.47	5.624e3	3.532e3	1.59	NO	3.2258	0.00000
8 Total Penta-Furans	30.50	1.980e3	1.451e3	1.38	NO	1.2987	0.00000
9 Total Penta-Furans	31.07	1.021e3	5.421e2	1.88	YES	0.40699	0.00000
10 2,3,4,7,8-PeCDF	31.21	1.719e4	1.189e4	1.54	NO	9.7687	9.7687
11 Total Penta-Furans	32.14	7.167e2	4.420e2	1.62	NO	0.40821	0.40821





200605R1_9 - 2000995-05 PDI-068SC-B-05-07-200430 18 77 - PDI-068SC-B-05-07-200430

#	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	% Rec	DL	EMPC
45	Total Penta-Furans				0.8925	10.052			52.2		0.230	56.7
46	Total Iso-Furans				0.9241	10.052			284		0.599	284

#	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1	Total Penta-Furans	29.07	3.448e3	1.942e3	1.78	NO	1.8987	1.8987
2	Total Penta-Furans	29.21	4.293e4	2.572e4	1.67	NO	24.189	24.189
3	Total Penta-Furans	29.28	2.481e3	1.580e3	1.58	NO	1.4237	1.4237
4	Total Penta-Furans	29.80	2.148e4	1.396e4	1.54	NO	12.486	12.486
5	Total Penta-Furans	30.02	1.243e3	7.933e2	1.57	NO	0.71739	0.71739
6	1,2,3,7,8-PeCDF	30.20	1.316e3	7.843e2	1.72	NO	0.71641	0.71641
7	Total Penta-Furans	30.47	5.824e2	3.532e3	1.59	NO	3.2258	0.00000
8	Total Penta-Furans	30.50	1.960e3	1.451e3	1.36	NO	1.2087	0.00000
9	Total Penta-Furans	31.07	1.073e3	6.032e2	1.78	NO	0.59041	0.59041
10	2,3,4,7,8-PeCDF	31.21	1.431e4	9.707e2	1.47	NO	8.2676	0.2676
11	Total Penta-Furans	31.24	2.730e3	1.557e2	1.75	NO	1.5103	1.5103
12	Total Penta-Furans	32.14	7.218e2	5.166e2	1.40	NO	0.43629	0.43629

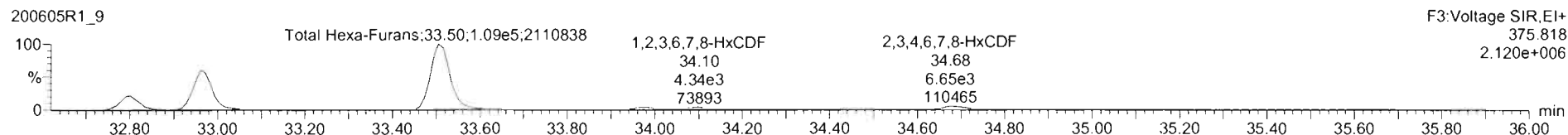
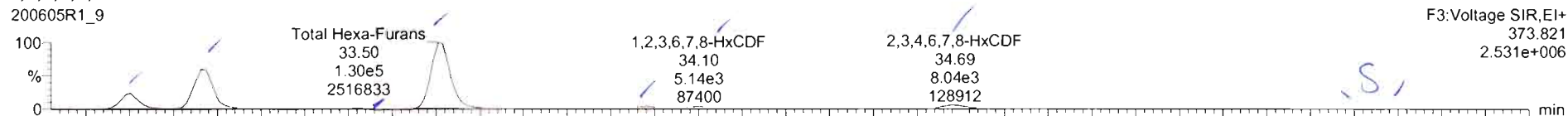


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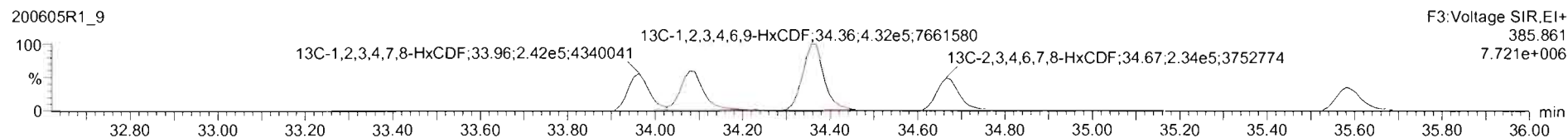
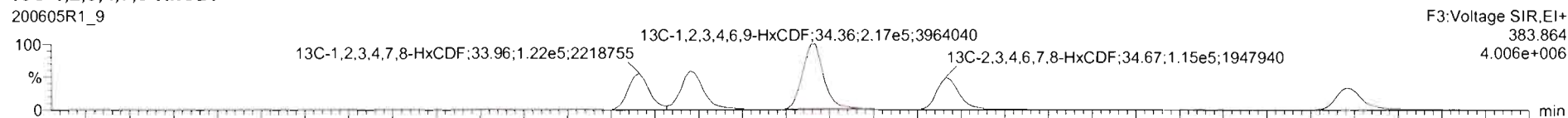
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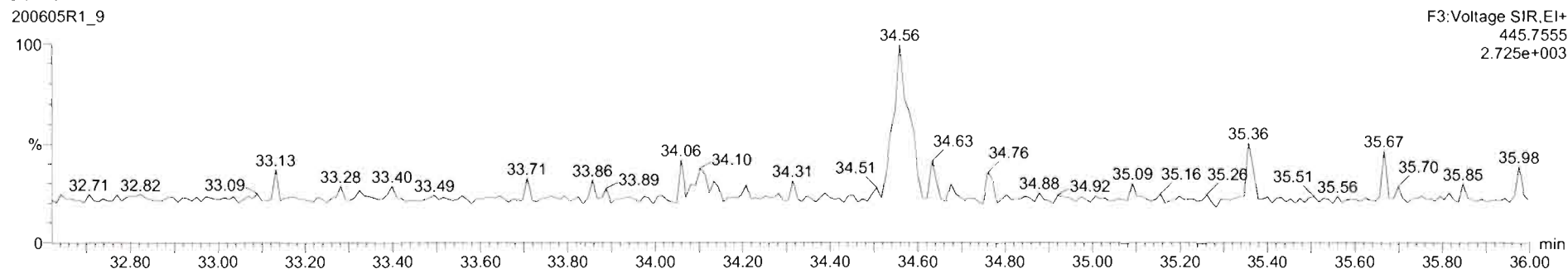
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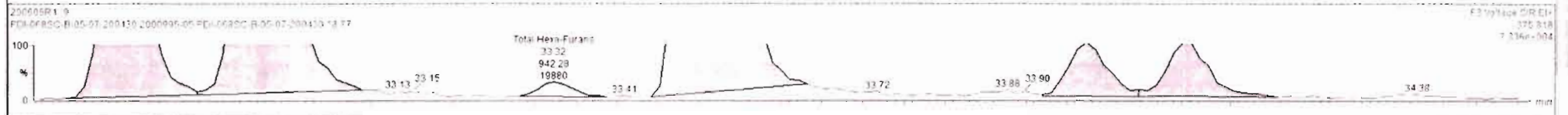
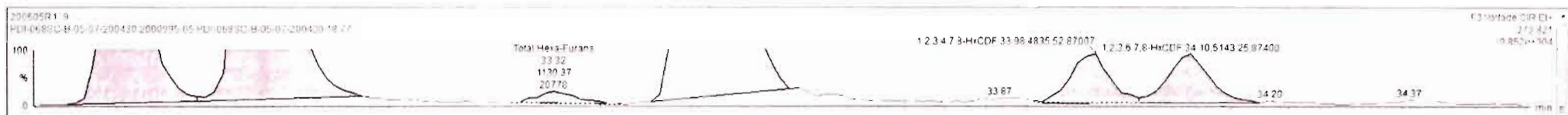


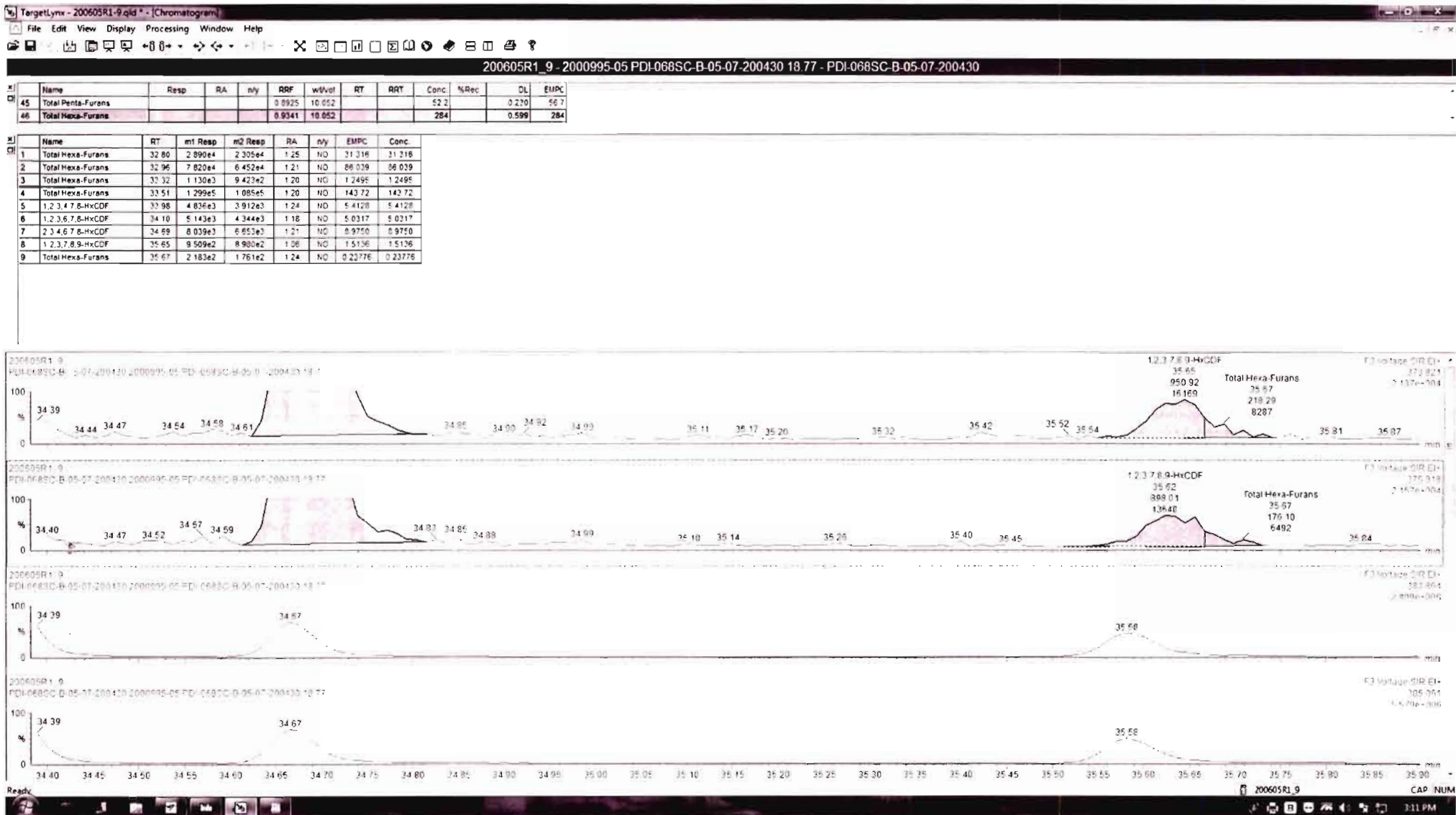
DPE3



Name	Resp	RA	nNy	DRF	wMet	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.052			52.2		0.220	56.7
46 Total Hexa-Furans				0.9341	10.052			284		0.599	284

Name	RT	m1 Resp	m2 Resp	RA	nNy	EMPC	Conc
1 Total Hexa-Furans	32.80	2.890e4	2.305e4	1.25	NO	31.316	31.216
2 Total Hexa-Furans	32.96	7.820e4	6.452e4	1.21	NO	56.039	56.039
3 Total Hexa-Furans	33.32	1.130e3	9.423e2	1.20	NO	1.2495	1.2495
4 Total Hexa-Furans	33.51	1.299e5	1.055e5	1.20	NO	143.72	143.72
5 1,2,3,4,7,8-HxCDF	33.98	4.836e3	3.912e3	1.24	NO	5.4128	5.4128
6 1,2,3,6,7,8-HxCDF	34.10	5.113e3	4.344e3	1.18	NO	5.0317	5.0317
7 2,3,4,6,7,8-HxCDF	34.69	8.039e3	6.652e3	1.21	NO	8.9750	8.9750
8 1,2,3,7,8-HxCDF	35.65	1.172e3	1.051e3	1.12	NO	1.8200	1.8200



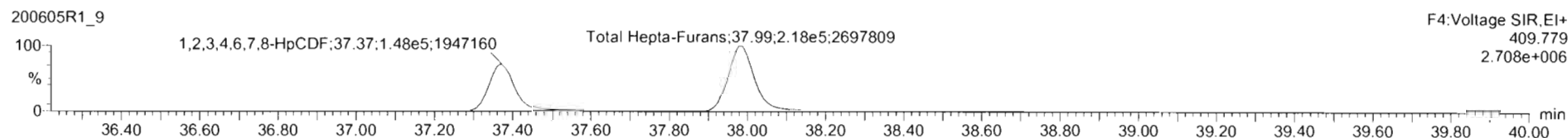
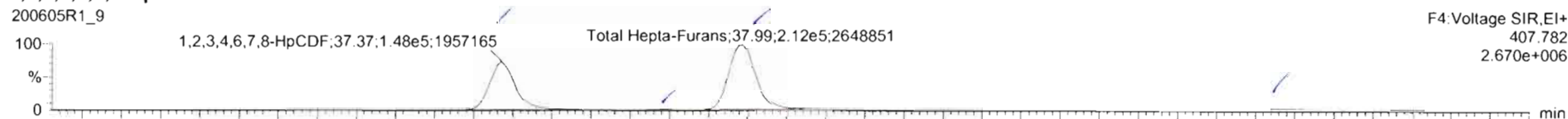


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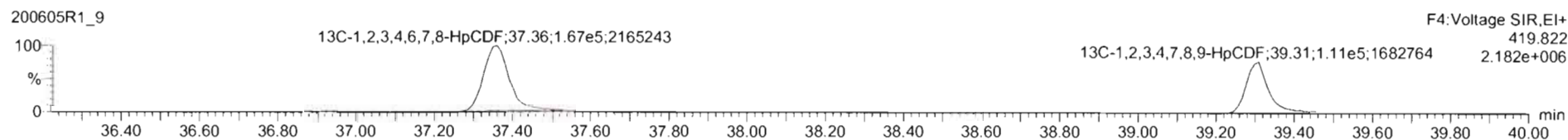
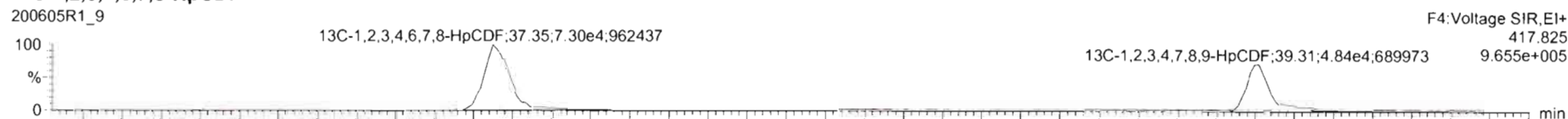
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Name: 200605R1_9, Date: 05-Jun-2020, Time: 16:04:04, ID: 2000995-05 PDI-068SC-B-05-07-200430 18.77, Description: PDI-068SC-B-05-07-200430

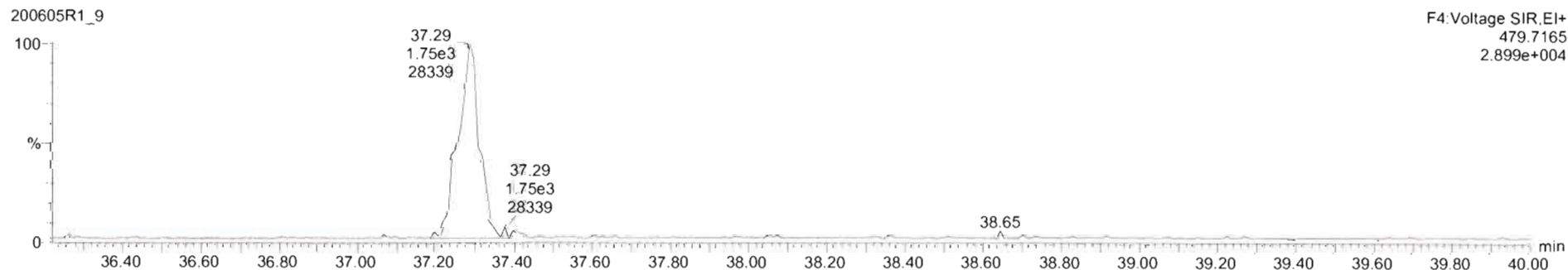
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13C-1,2,3,4,6,7,8-HpCDF



DPE4



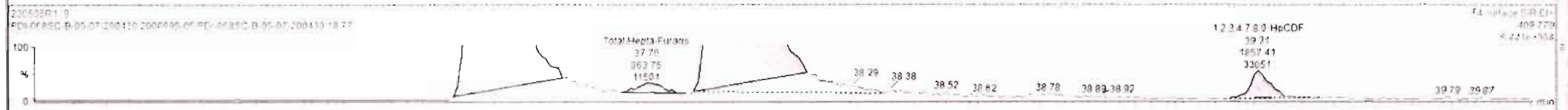
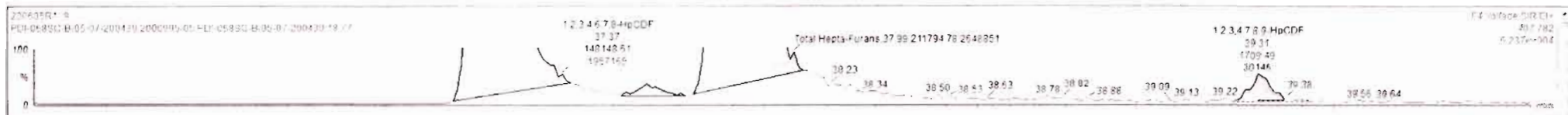
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200605R1_9 - 2000995-05 PDI-068SC-B-05-07-200430 18 77 - PDI-068SC-B-05-07-200430

Name	Resp	RA	nly	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.052			52.2		0.232	56.7
46 Total Hexa-Furans				0.9341	10.052			284		0.599	284

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc
1 1,2,3,4,6,7,8-HpCDF	37.37	1.481e5	1.481e5	1.00	NO	281.44	281.44
2 Total Hepta-Furans	37.76	8.907e2	8.827e2	1.02	NO	2.0019	2.0019
3 Total Hepta-Furans	37.99	2.118e1	2.130e1	0.99	NO	484.68	484.68
4 1,2,3,4,7,8,9-HpCDF	39.31	1.709e3	1.657e3	0.92	NO	4.3933	4.2923



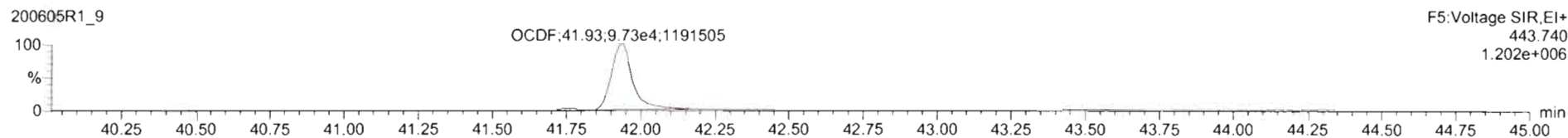
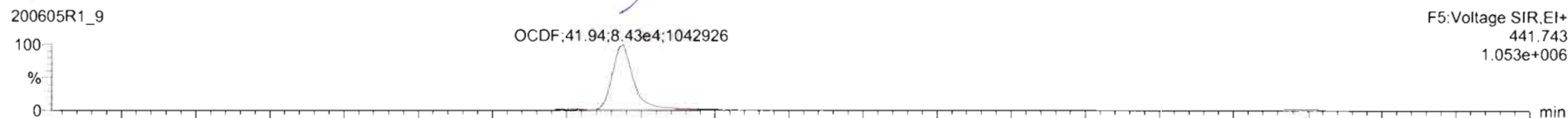
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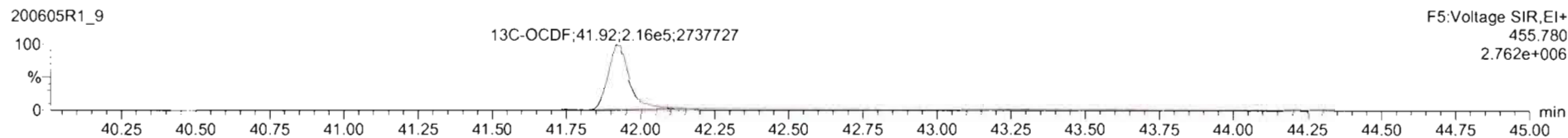
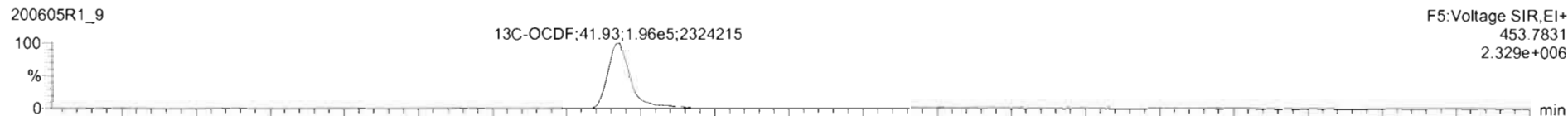
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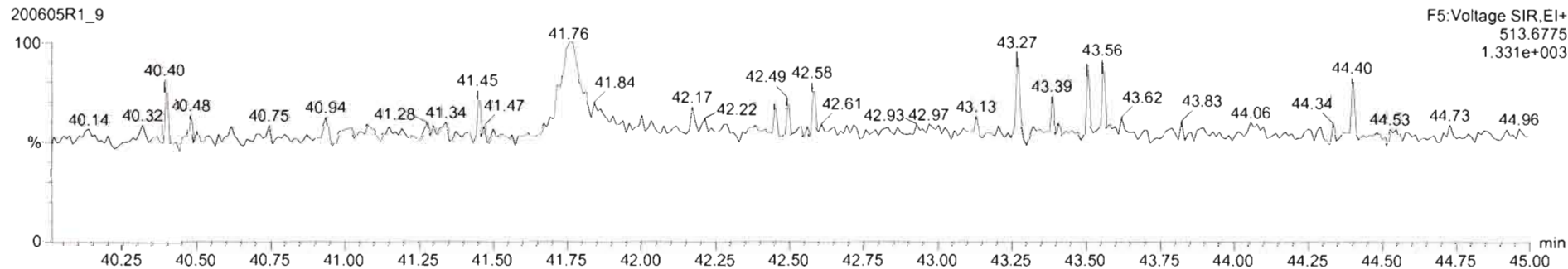
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13C-OCDF



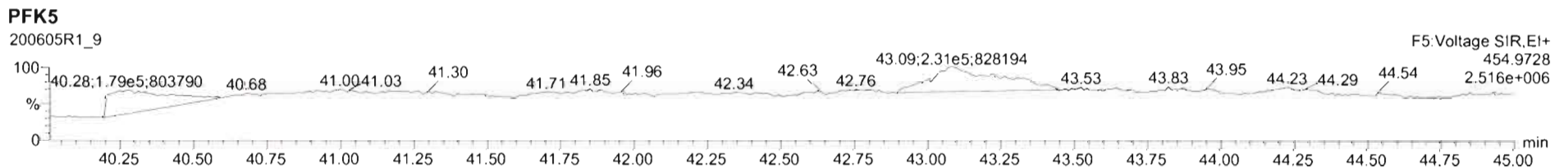
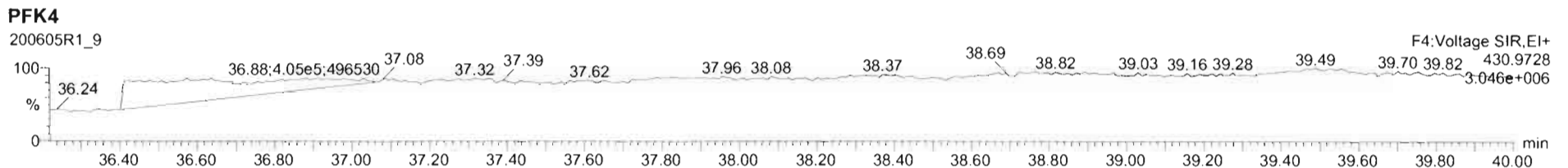
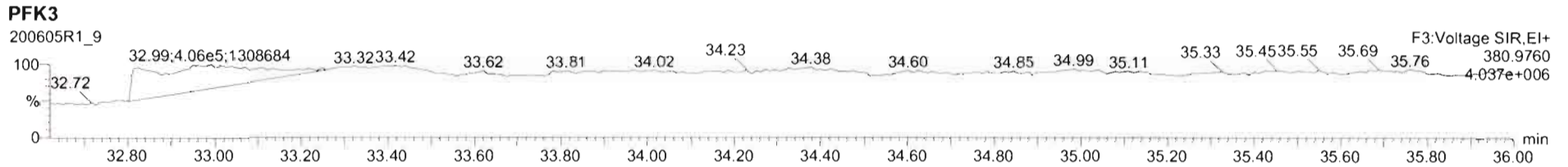
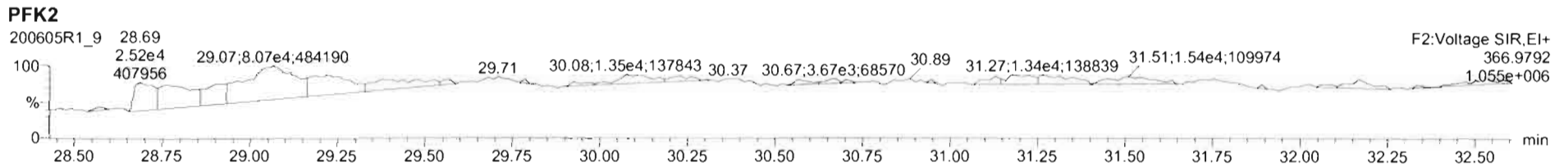
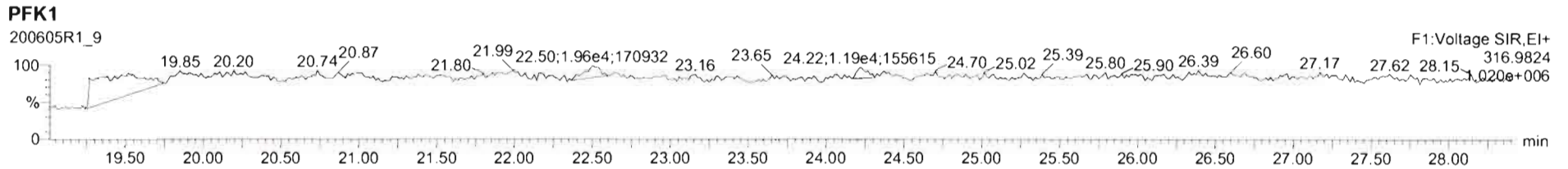
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GPD 06/10/2020

C1 06/15/2020

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	7 OCDD	1.64e6	0.89	NO	0.914	10.052	41.727	41.74	1.000	1.000	15319		15.6	15300
2	24 13C-OCDD	4.68e4	0.90	NO	0.652	10.052	41.723	41.73	1.216	1.216	145.71	36.6	1.49	
3	35 37Cl-2,3,7,8-TCDD	2.99e4			1.04	10.052	26.476	26.44	1.028	1.026	48.001	60.3	0.307	
4	36 13C-1,2,3,4-TCDD	1.20e5	0.80	NO	1.00	10.052	25.890	25.76	1.000	1.000	198.97	100	1.05	
5	37 13C-1,2,3,4-TCDF	1.90e5	0.78	NO	1.00	10.052	24.360	24.06	1.000	1.000	198.97	100	1.56	
6	38 13C-1,2,3,4,6,9-HxCDF	9.79e4	0.49	NO	1.00	10.052	34.420	34.31	1.000	1.000	198.97	100	1.95	

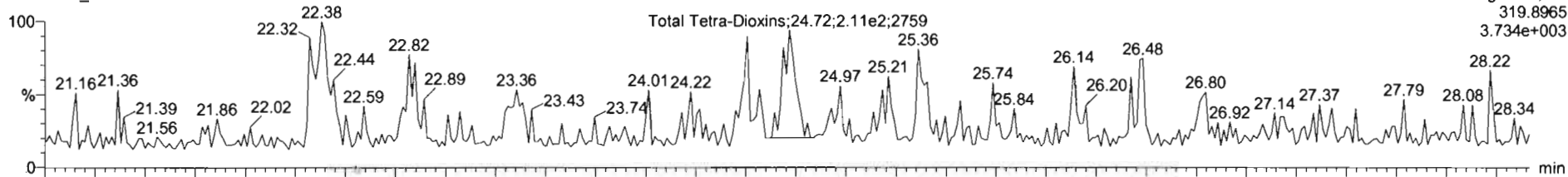
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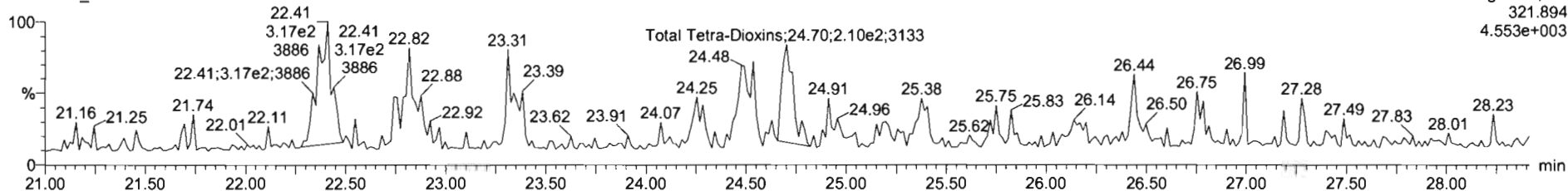
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2,3,7,8-TCDD

200608R2_8

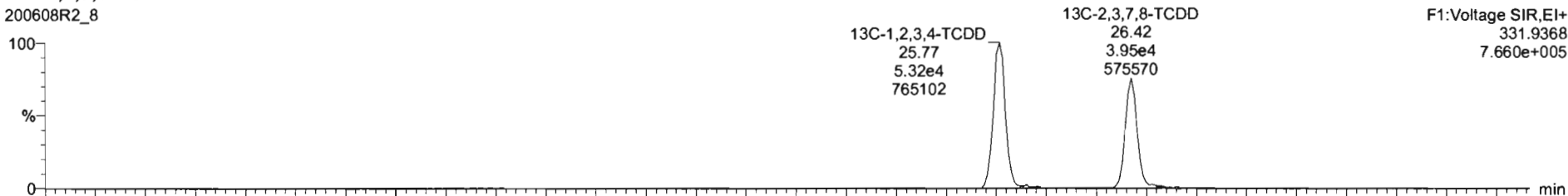


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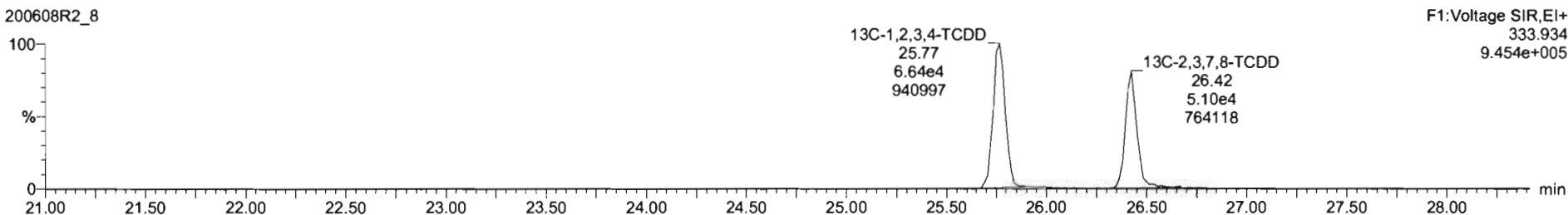


13C-2,3,7,8-TCDD

200608R2_8



200608R2_8



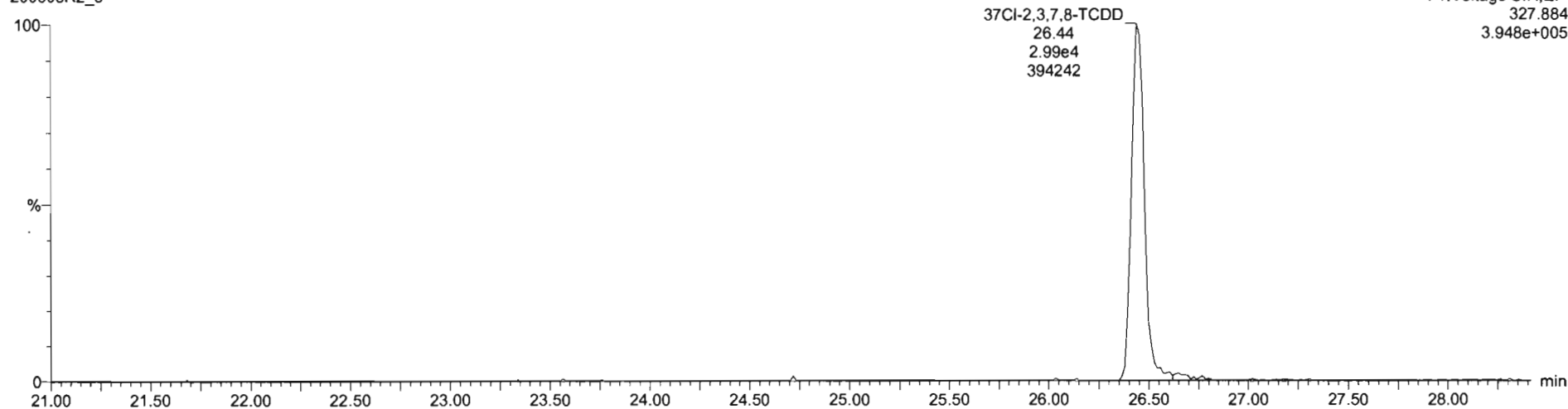
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Printed: Tuesday, June 09, 2020 07:51:33 Pacific Daylight Time

Name: 200608R2_8, Date: 09-Jun-2020, Time: 05:36:44, ID: 2000995-05@5X PDI-068SC-B-05-07-200430 18.77, Description: PDI-068SC-B-05-07-200430

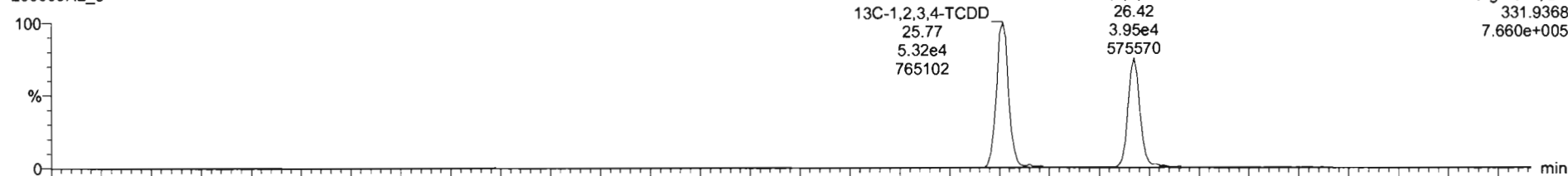
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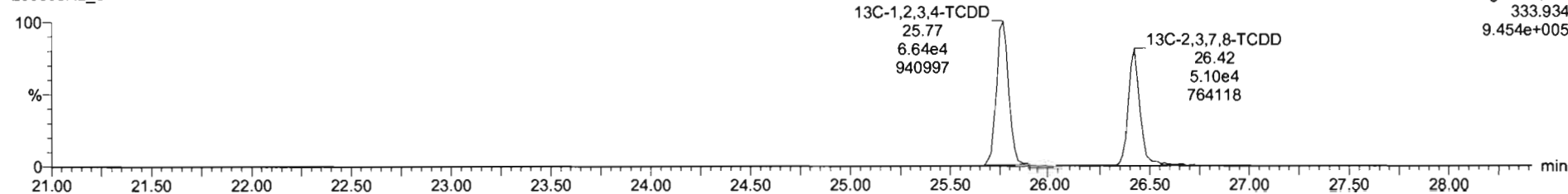


13C-1,2,3,4-TCDD

200608R2_8



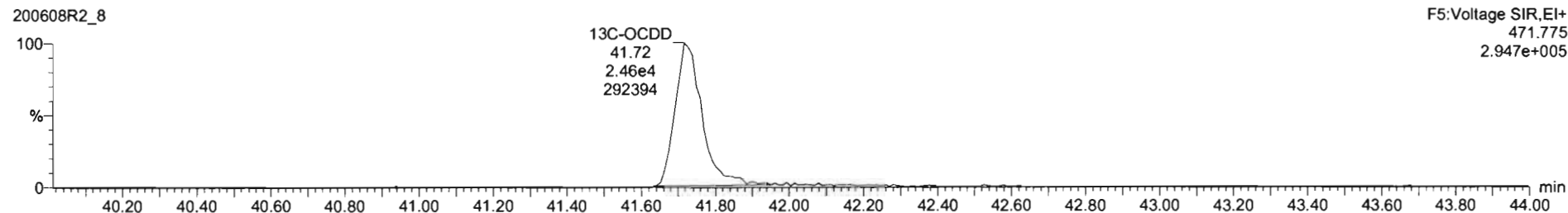
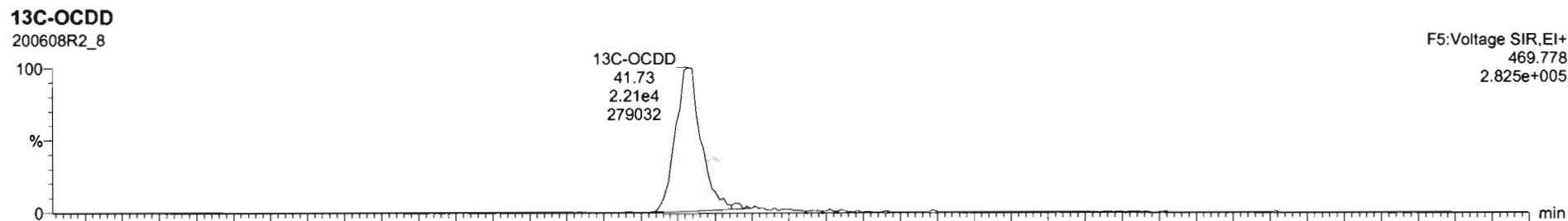
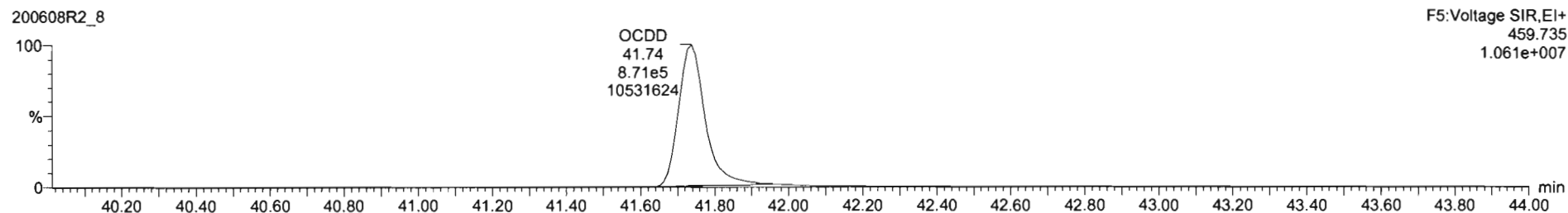
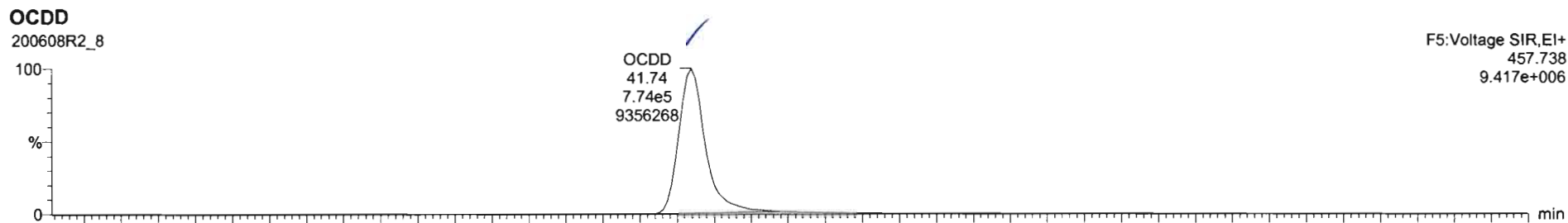
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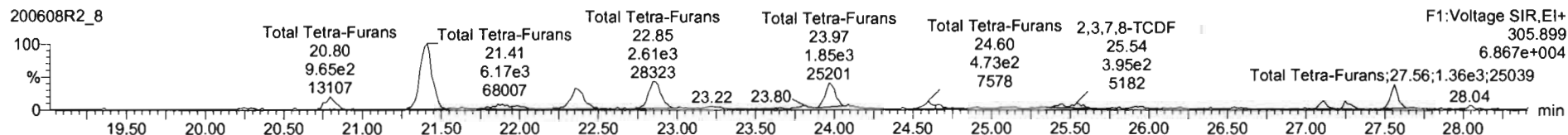
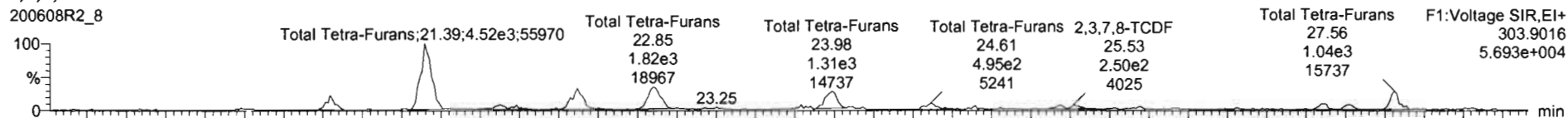


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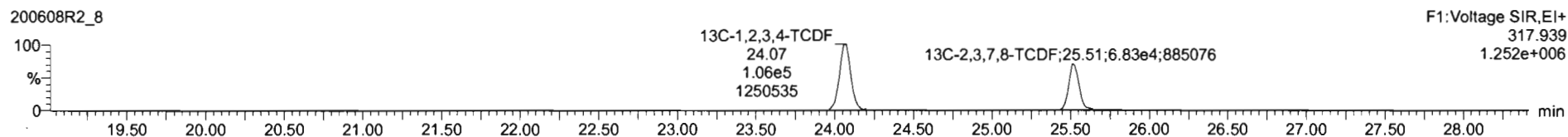
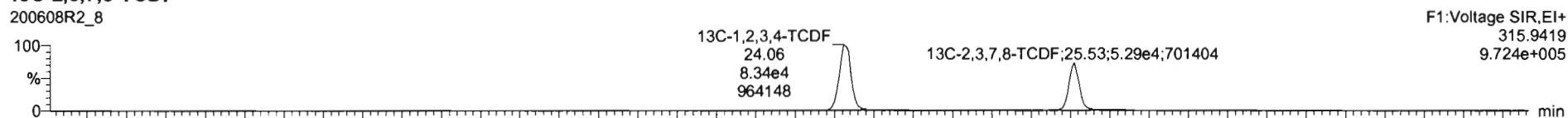
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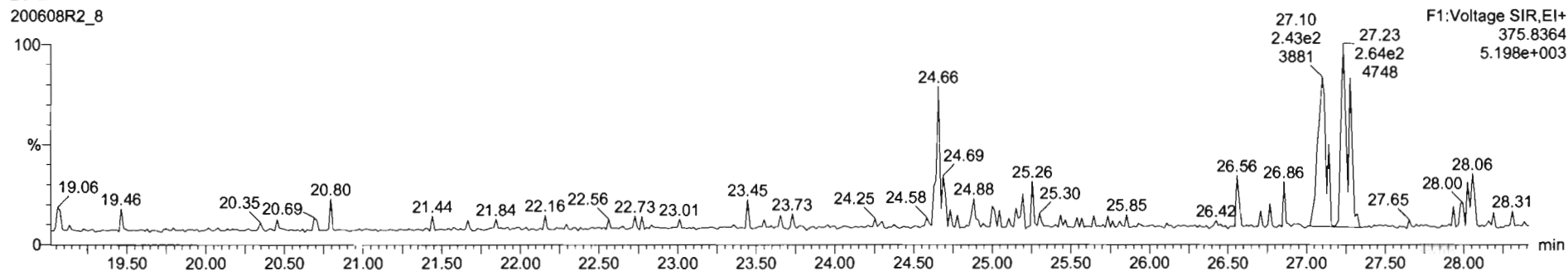
2,3,7,8-TCDF



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



DPE1

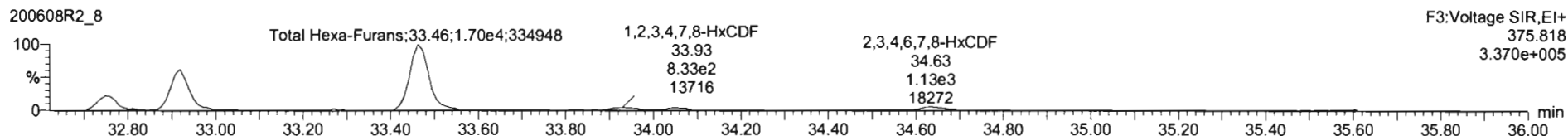
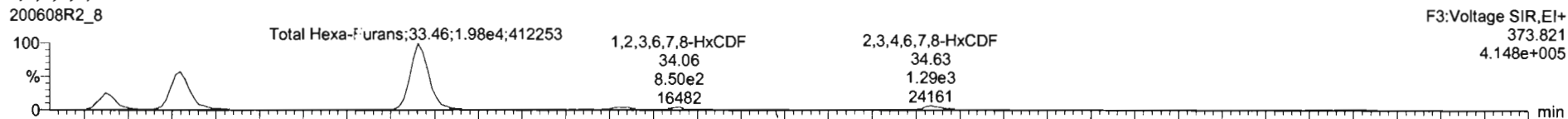


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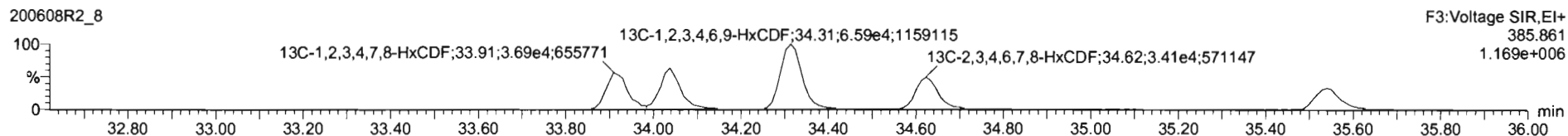
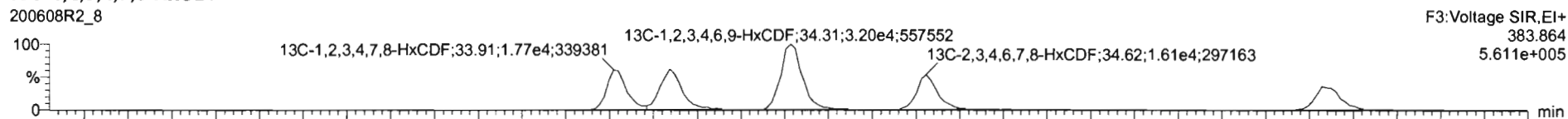
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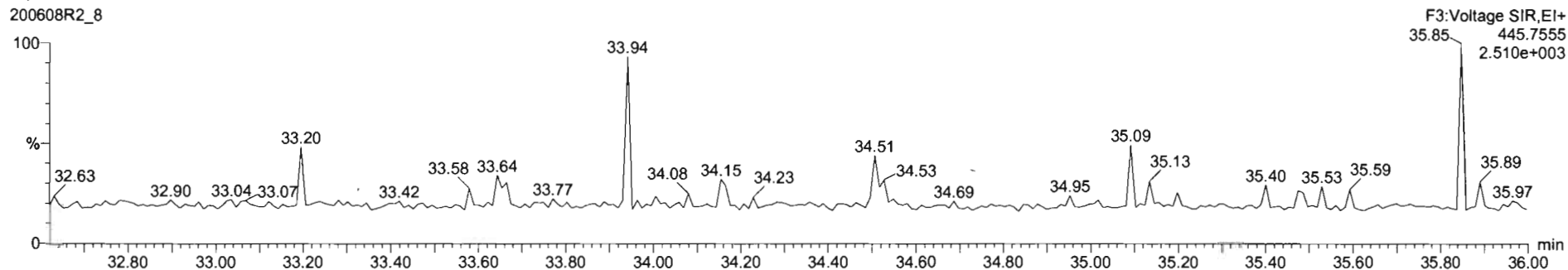
1,2,3,4,7,8-HxCDF



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



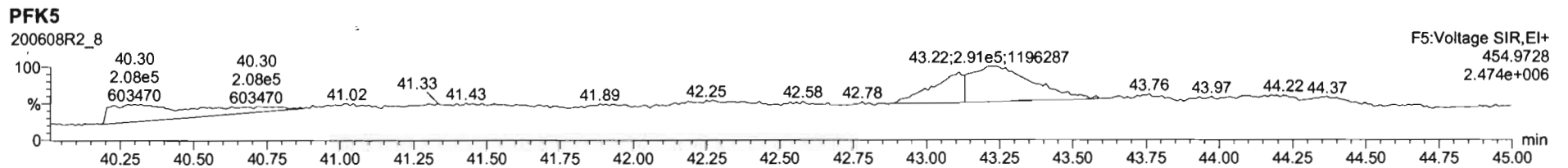
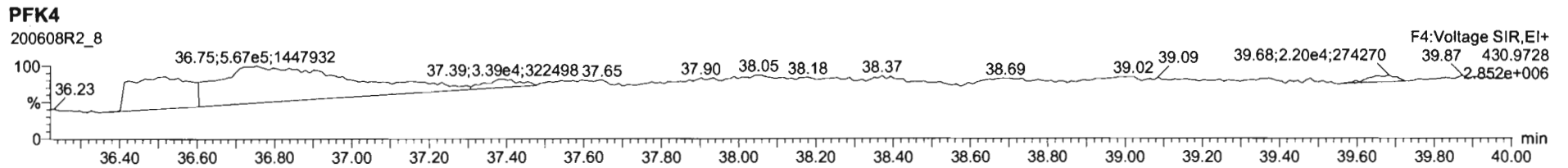
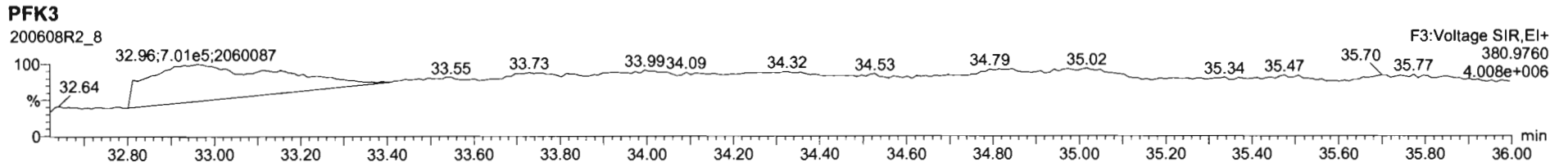
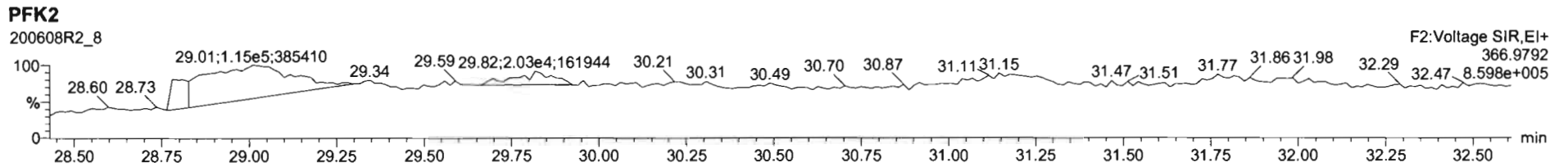
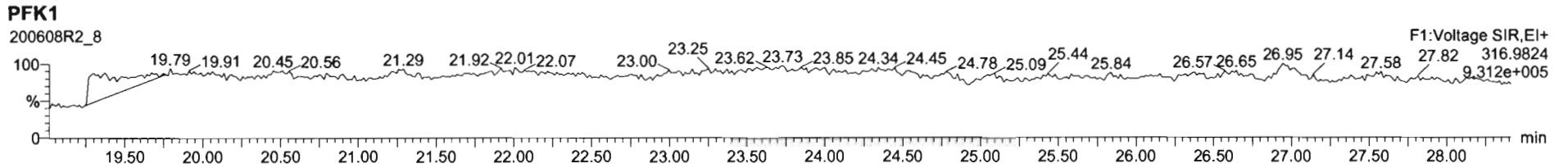
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Dataset: U:\VG12.PRO\Results\200605R1\200605R1-10.qld

Last Altered: Thursday, June 11, 2020 9:35:07 AM Pacific Daylight Time

Printed: Thursday, June 11, 2020 9:44:12 AM Pacific Daylight Time

GRB 06/11/2020

CT 06/15/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R1_10, Date: 05-Jun-2020, Time: 16:50:16, ID: 2000995-06 PDI-072SC-A-08-09-200430 14.69, Description: PDI-072SC-A-08-09-200430

#	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	0.888	9.998	26.531		1.001				0.0843	
2	2 1,2,3,7,8-PeCDD			NO	0.908	9.998	31.473		1.001				0.116	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	9.998	34.835		1.000				0.174	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	9.998	34.932		1.000				0.178	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	9.998	35.220		1.000				0.205	
6	6 1,2,3,4,6,7,8-HpCDD	3.82e3	1.17	NO	0.864	9.998	38.757	38.77	1.000	1.001	2.6605		0.331	2.66
7	7 OCDD	1.97e4	0.89	NO	0.914	9.998	41.716	41.74	1.000	1.001	17.325		0.524	17.3
8	8 2,3,7,8-TCDF			NO	0.751	9.998	25.641		1.001				0.0703	
9	9 1,2,3,7,8-PeCDF			NO	0.893	9.998	30.190		1.001				0.0664	
10	10 2,3,4,7,8-PeCDF			NO	0.935	9.998	31.192		1.001				0.0606	
11	11 1,2,3,4,7,8-HxCDF			NO	0.884	9.998	33.952		1.000				0.0787	
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	9.998	34.079		1.000				0.0733	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	9.998	34.690		1.001				0.0853	
14	14 1,2,3,7,8,9-HxCDF			NO	0.871	9.998	35.571		1.000				0.129	
15	15 1,2,3,4,6,7,8-HpCDF	5.43e2	0.92	NO	0.873	9.998	37.376	37.36	1.001	1.001	0.32452		0.0735	0.325
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	9.998	39.288		1.000				0.167	
17	17 OCDF	3.91e2	0.88	NO	0.806	9.998	41.908	41.96	1.000	1.001	0.32725		0.120	0.327
18	18 13C-2,3,7,8-TCDD	8.50e5	0.80	NO	1.16	9.998	26.538	26.50	1.026	1.025	175.71	87.8	0.203	
19	19 13C-1,2,3,7,8-PeCDD	6.13e5	0.63	NO	0.849	9.998	31.729	31.45	1.227	1.216	172.58	86.3	0.377	
20	20 13C-1,2,3,4,7,8-HxCDD	4.31e5	1.29	NO	0.779	9.998	34.830	34.83	1.014	1.014	165.86	82.9	0.566	
21	21 13C-1,2,3,6,7,8-HxCDD	5.63e5	1.32	NO	1.02	9.998	34.944	34.93	1.017	1.017	165.92	82.9	0.434	
22	22 13C-1,2,3,7,8,9-HxCDD	4.96e5	1.36	NO	0.903	9.998	35.215	35.21	1.025	1.025	164.57	82.3	0.489	
23	23 13C-1,2,3,4,6,7,8-HpCDD	3.32e5	1.08	NO	0.689	9.998	38.739	38.74	1.128	1.128	144.47	72.2	0.527	
24	24 13C-OCDD	4.97e5	0.89	NO	0.652	9.998	41.761	41.72	1.216	1.215	228.61	57.1	0.492	
25	25 13C-2,3,7,8-TCDF	1.04e6	0.77	NO	1.06	9.998	25.578	25.61	0.989	0.991	160.85	80.4	0.290	
26	26 13C-1,2,3,7,8-PeCDF	9.25e5	1.60	NO	0.838	9.998	30.111	30.17	1.165	1.167	180.12	90.0	0.578	
27	27 13C-2,3,4,7,8-PeCDF	8.95e5	1.61	NO	0.817	9.998	31.065	31.16	1.202	1.205	178.99	89.5	0.593	
28	28 13C-1,2,3,4,7,8-HxCDF	5.52e5	0.50	NO	1.01	9.998	33.961	33.95	0.989	0.989	164.26	82.1	0.534	
29	29 13C-1,2,3,6,7,8-HxCDF	6.46e5	0.51	NO	1.17	9.998	34.085	34.07	0.992	0.992	165.86	82.9	0.461	
30	30 13C-2,3,4,6,7,8-HxCDF	5.57e5	0.51	NO	1.02	9.998	34.659	34.65	1.009	1.009	163.25	81.6	0.527	
31	31 13C-1,2,3,7,8,9-HxCDF	4.70e5	0.53	NO	0.860	9.998	35.558	35.57	1.035	1.036	163.90	81.9	0.626	

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-10.qld

Last Altered: Thursday, June 11, 2020 9:35:07 AM Pacific Daylight Time

Printed: Thursday, June 11, 2020 9:44:12 AM Pacific Daylight Time

Name: 200605R1_10, Date: 05-Jun-2020, Time: 16:50:16, ID: 2000995-06 PDI-072SC-A-08-09-200430 14.69, Description: PDI-072SC-A-08-09-200430

	# 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	3.83e5	0.42	NO	0.774	9.998	37.307	37.34	1.086	1.087	148.37	74.2	0.547	
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.52e5	0.42	NO	0.521	9.998	39.336	39.29	1.145	1.144	145.23	72.6	0.813	
34	34 13C-OCDF	5.93e5	0.87	NO	0.746	9.998	41.933	41.91	1.221	1.220	238.44	59.6	0.752	
35	35 37Cl-2,3,7,8-TCDD	2.95e5			1.04	9.998	26.569	26.53	1.028	1.026	67.948	84.9	0.0619	
36	36 13C-1,2,3,4-TCDD	8.37e5	0.79	NO	1.00	9.998	25.890	25.85	1.000	1.000	200.04	100	0.234	
37	37 13C-1,2,3,4-TCDF	1.23e6	0.76	NO	1.00	9.998	24.360	24.18	1.000	1.000	200.04	100	0.307	
38	38 13C-1,2,3,4,6,9-HxCDF	6.67e5	0.51	NO	1.00	9.998	34.420	34.35	1.000	1.000	200.04	100	0.538	
39	39 Total Tetra-Dioxins				0.888	9.998	24.620		0.000		0.54161		0.0843	0.542
40	40 Total Penta-Dioxins				0.908	9.998	29.960		0.000				0.0547	
41	41 Total Hexa-Dioxins				0.892	9.998	33.635		0.000		1.2282		0.194	1.23
42	42 Total Hepta-Dioxins				0.864	9.998	37.640		0.000		6.5121		0.331	6.51
43	43 Total Tetra-Furans				0.751	9.998	23.610		0.000		0.54286		0.0703	0.543
44	44 1st Func. Penta-Furans				0.893	9.998	27.580		0.000		0.060234		0.00870	0.0602
45	45 Total Penta-Furans				0.893	9.998	29.275		0.000				0.0313	
46	46 Total Hexa-Furans				0.934	9.998	33.555		0.000		0.00000		0.0443	0.0772
47	47 Total Hepta-Furans				0.873	9.998	37.835		0.000		0.32452		0.0849	0.712

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Dataset: U:\VG12.PRO\Results\200605R1\200605R1-10.qld

Last Altered: Thursday, June 11, 2020 9:35:07 AM Pacific Daylight Time

Printed: Thursday, June 11, 2020 9:44:12 AM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R1_10, Date: 05-Jun-2020, Time: 16:50:16, ID: 2000995-06 PDI-072SC-A-08-09-200430 14.69, Description: PDI-072SC-A-08-09-200430

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.52	4.141e3	4.004e3	2.718e2	3.477e2	0.78	NO	6.195e2	0.16407	0.16407	0.0843
2	Total Tetra-Dioxins	22.94	3.831e3	4.241e3	3.695e2	4.226e2	0.87	NO	7.921e2	0.20979	0.20979	0.0843
3	Total Tetra-Dioxins	24.37	4.149e3	4.601e3	2.902e2	3.431e2	0.85	NO	6.334e2	0.16775	0.16775	0.0843

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	33.33	1.558e4	1.449e4	9.072e2	7.465e2	1.22	NO	1.654e3	0.74666	0.74666	0.194
2	Total Hexa-Dioxins	34.15	7.813e3	6.594e3	6.207e2	4.459e2	1.39	NO	1.067e3	0.48157	0.48157	0.194

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.76	3.033e4	2.817e4	2.667e3	2.859e3	0.93	NO	5.526e3	3.8516	3.8516	0.331
2	1,2,3,4,6,7,8-HpCDD	38.77	2.625e4	2.020e4	2.061e3	1.756e3	1.17	NO	3.817e3	2.6605	2.6605	0.331

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.36	2.805e3	4.094e3	1.882e2	2.667e2	0.71	NO	4.549e2	0.11611	0.11611	0.0703
2	Total Tetra-Furans	21.53	6.452e3	1.188e4	5.151e2	7.860e2	0.66	NO	1.301e3	0.33209	0.33209	0.0703
3	Total Tetra-Furans	24.67	3.345e3	3.952e3	1.534e2	2.174e2	0.71	NO	3.709e2	0.094658	0.094658	0.0703

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Dataset: U:\VG12.PRO\Results\200605R1\200605R1-10.qld

Last Altered: Thursday, June 11, 2020 9:35:07 AM Pacific Daylight Time

Printed: Thursday, June 11, 2020 9:44:12 AM Pacific Daylight Time

Name: 200605R1_10, Date: 05-Jun-2020, Time: 16:50:16, ID: 2000995-06 PDI-072SC-A-08-09-200430 14.69, Description: PDI-072SC-A-08-09-200430

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	27.61	2.573e3	1.829e3	1.479e2	9.670e1	1.53	NO	2.446e2	0.060234	0.060234	0.00870

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	32.97	2.545e3	2.858e3	1.109e2	1.197e2	0.93	YES	0.000e0	0.00000	0.077171	0.0443

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.36	2.993e3	3.229e3	2.606e2	2.826e2	0.92	NO	5.433e2	0.32452	0.32452	0.0735
2	Total Hepta-Furans	37.98	4.215e3	4.196e3	3.533e2	2.635e2	1.34	YES	0.000e0	0.00000	0.38729	0.161

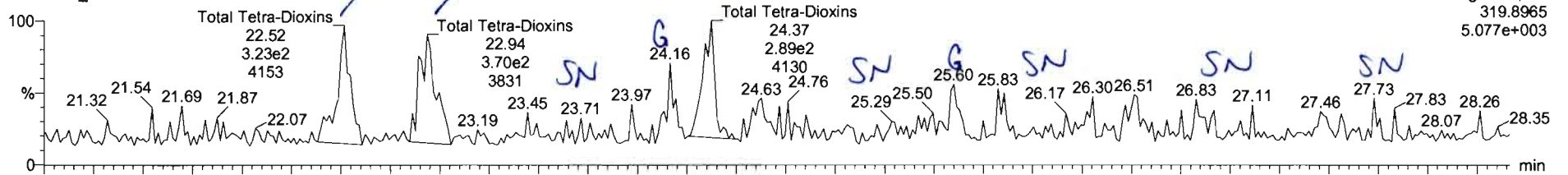
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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

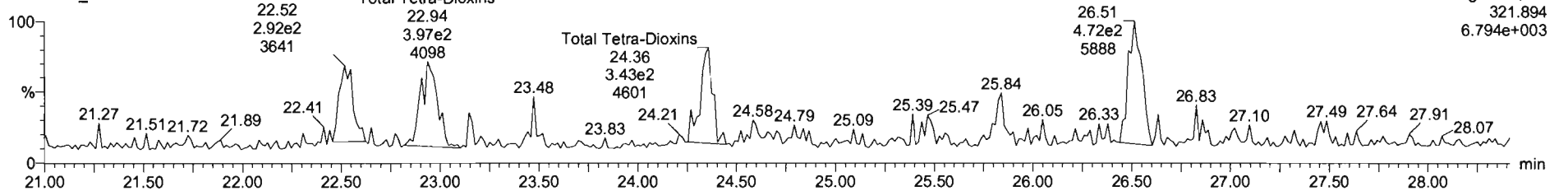
Name: 200605R1_10, Date: 05-Jun-2020, Time: 16:50:16, ID: 2000995-06 PDI-072SC-A-08-09-200430 14.69, Description: PDI-072SC-A-08-09-200430

2,3,7,8-TCDD

200605R1_10

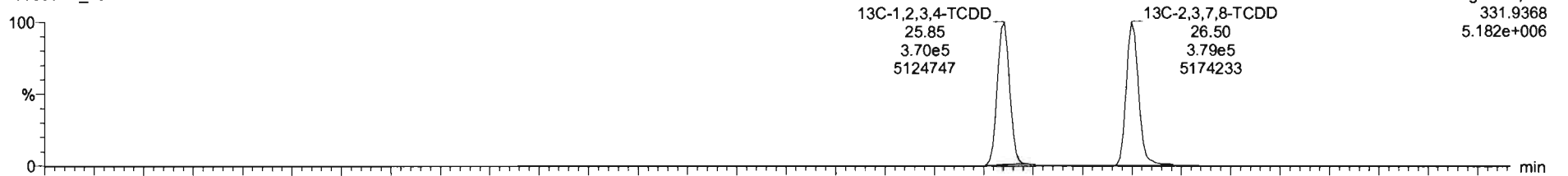


200605R1_10

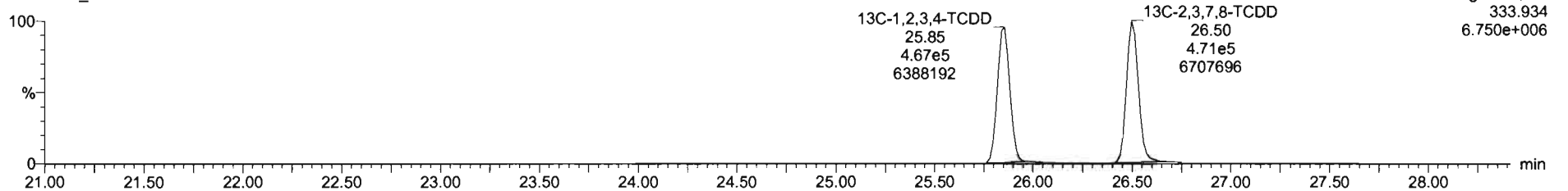


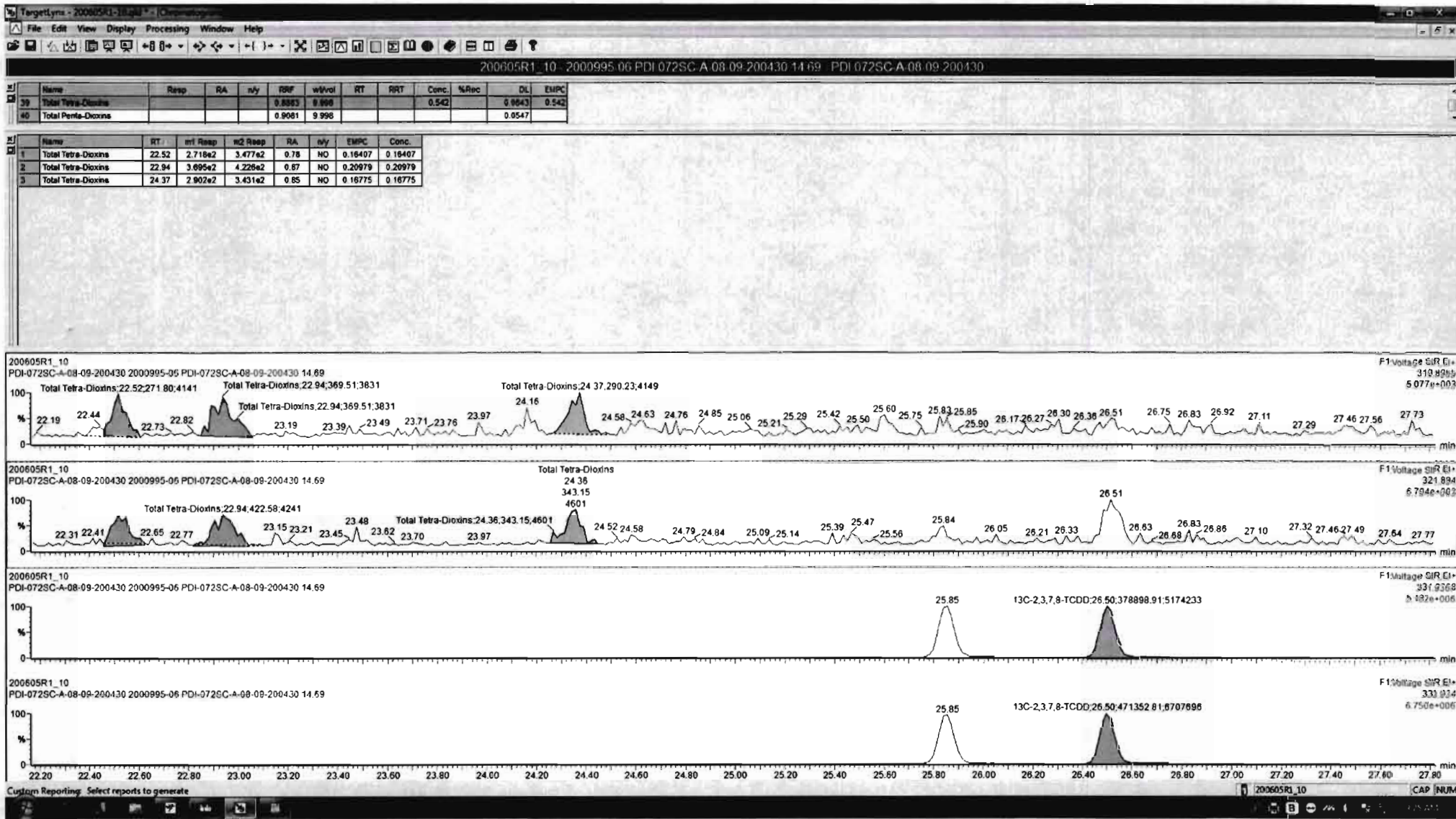
13C-2,3,7,8-TCDD

200605R1_10



200605R1_10





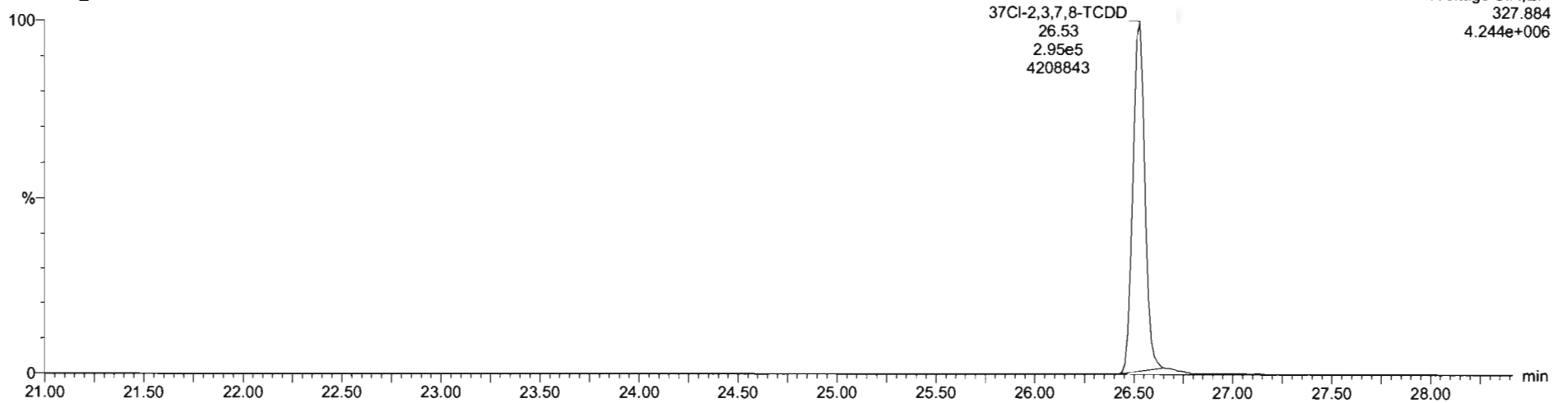
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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

Name: 200605R1_10, Date: 05-Jun-2020, Time: 16:50:16, ID: 2000995-06 PDI-072SC-A-08-09-200430 14.69, Description: PDI-072SC-A-08-09-200430

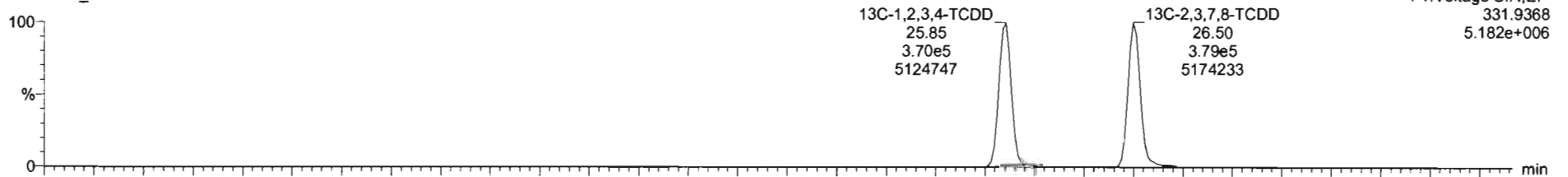
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200605R1_10

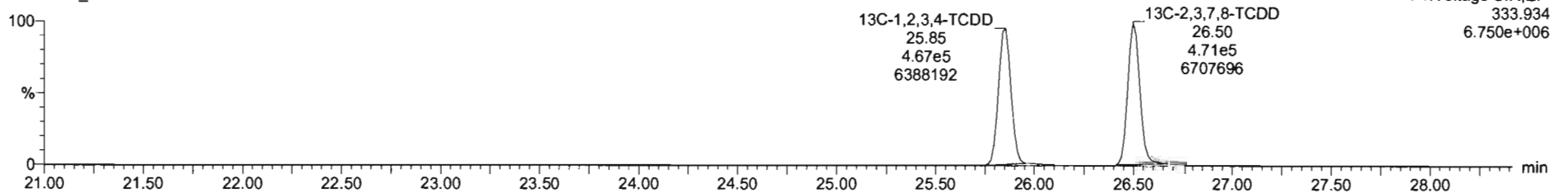


13C-1,2,3,4-TCDD

200605R1_10



200605R1_10



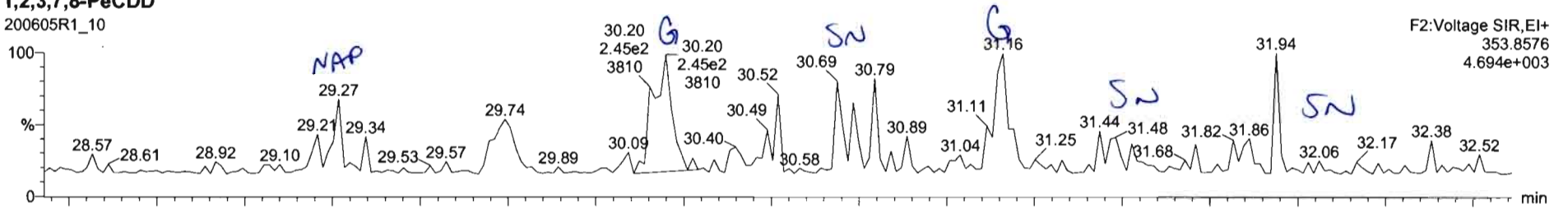
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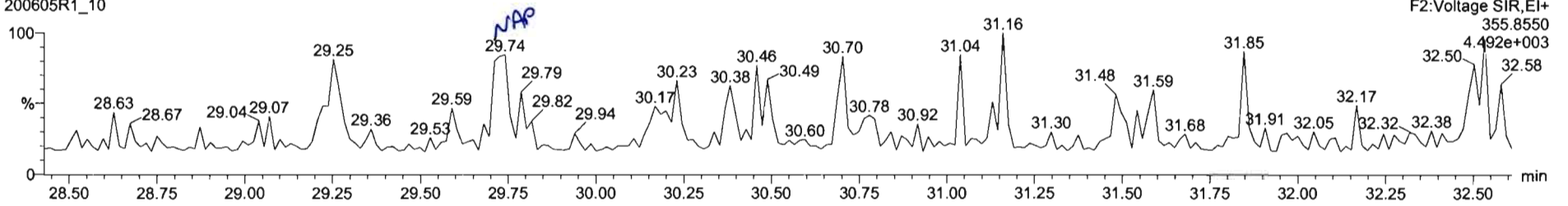
1,2,3,7,8-PeCDD

200605R1_10



F2:Voltage SIR,EI+
353.8576
4.694e+003

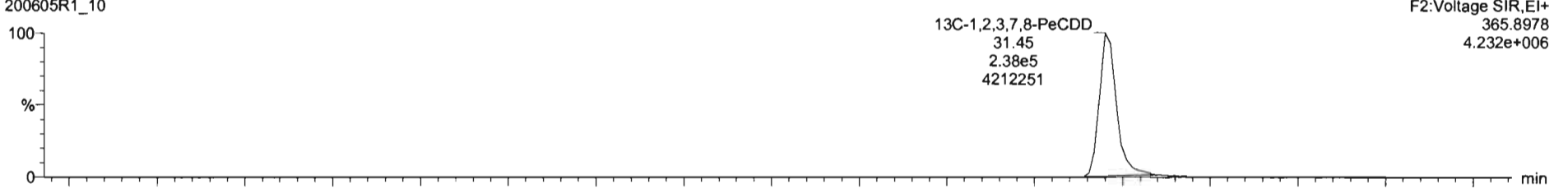
200605R1_10



F2:Voltage SIR,EI+
355.8550
4.492e+003

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

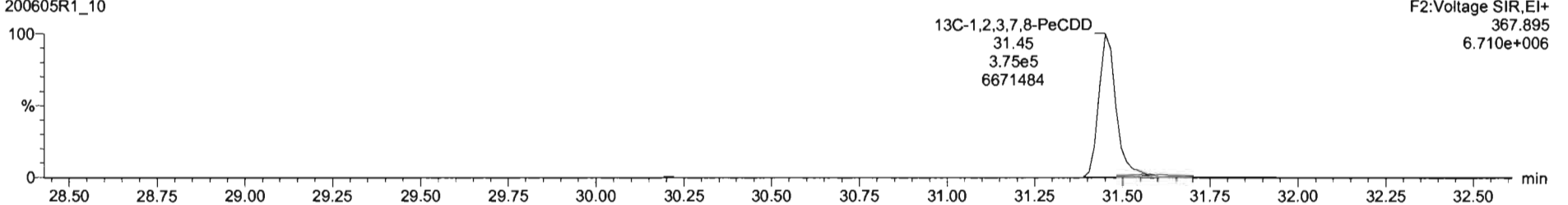
200605R1_10



13C-1,2,3,7,8-PeCDD
31.45
2.38e5
4212251

F2:Voltage SIR,EI+
365.8978
4.232e+006

200605R1_10



13C-1,2,3,7,8-PeCDD
31.45
3.75e5
6671484

F2:Voltage SIR,EI+
367.895
6.710e+006

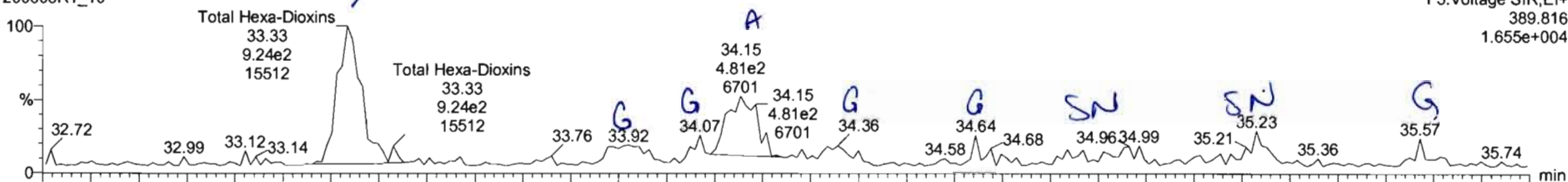
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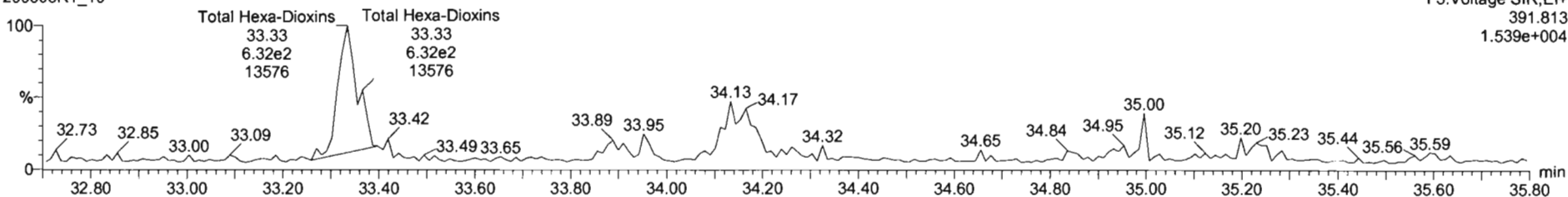
1,2,3,4,7,8-HxCDD

200605R1_10



F3:Voltage SIR,EI+
389.816
1.655e+004

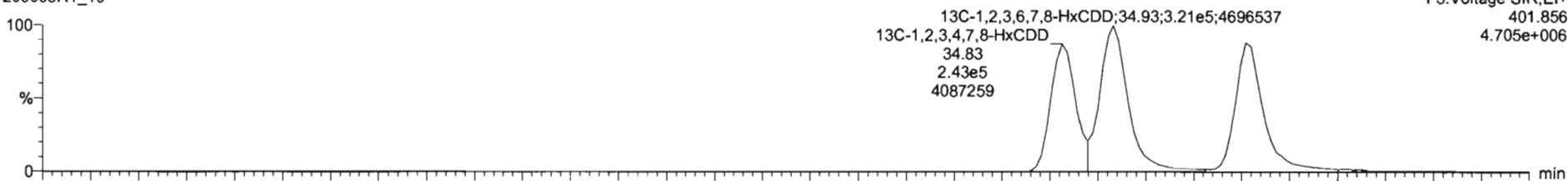
200605R1_10



F3:Voltage SIR,EI+
391.813
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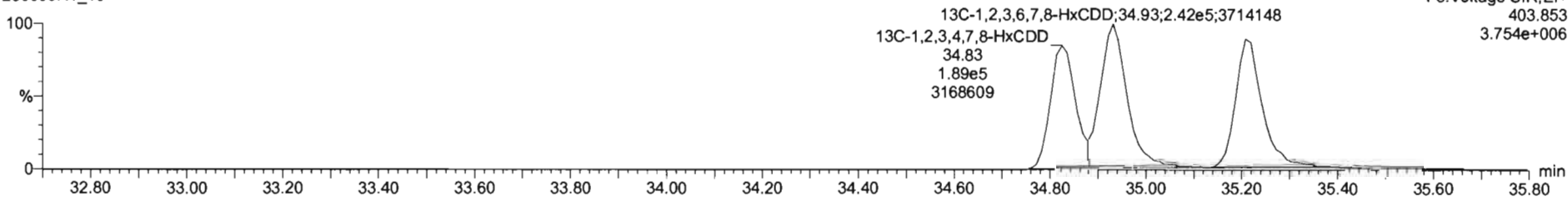
13C-1,2,3,4,7,8-HxCDD

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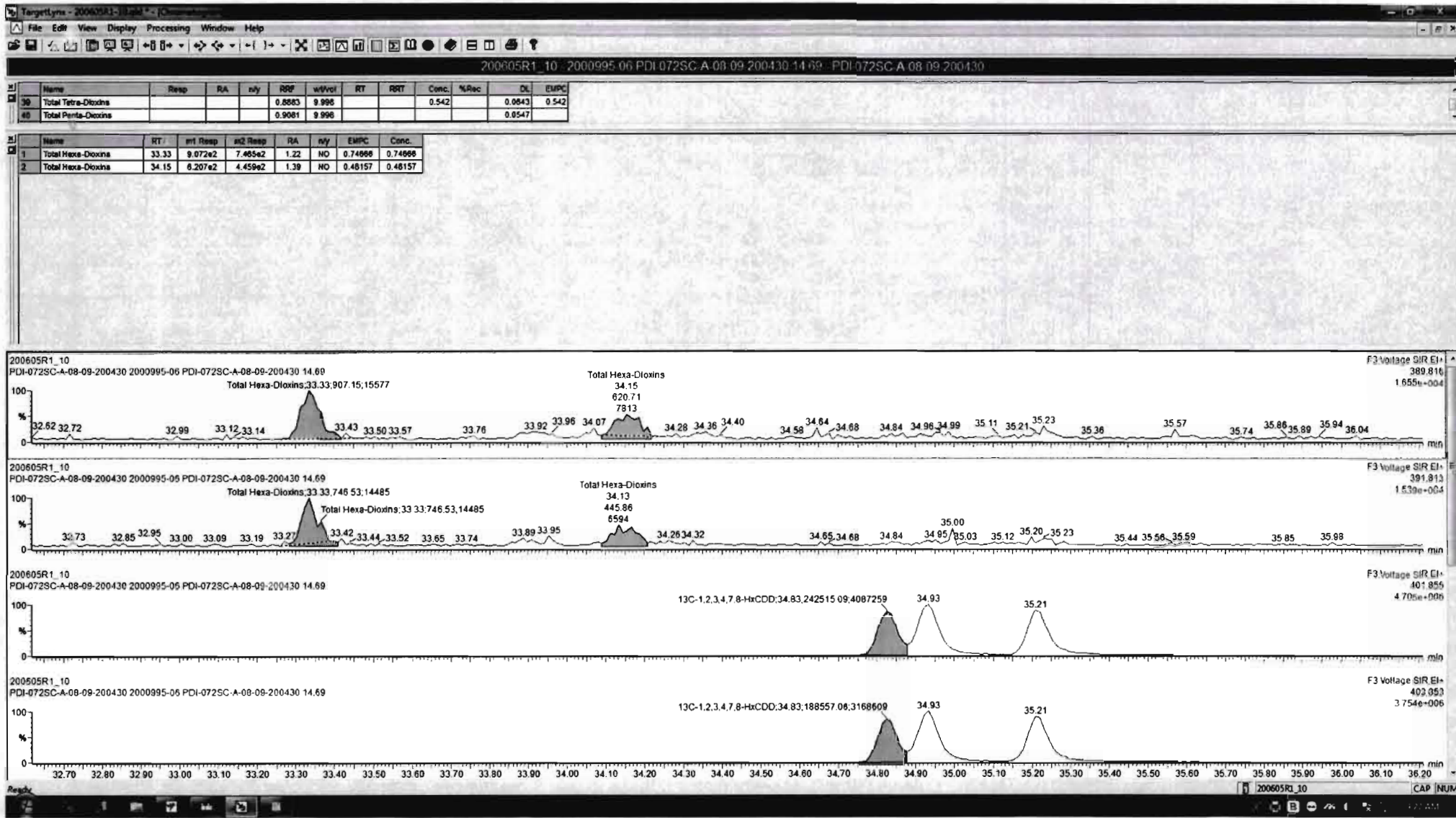


F3:Voltage SIR,EI+
401.856
4.705e+006

200605R1_10



F3:Voltage SIR,EI+
403.853
3.754e+006



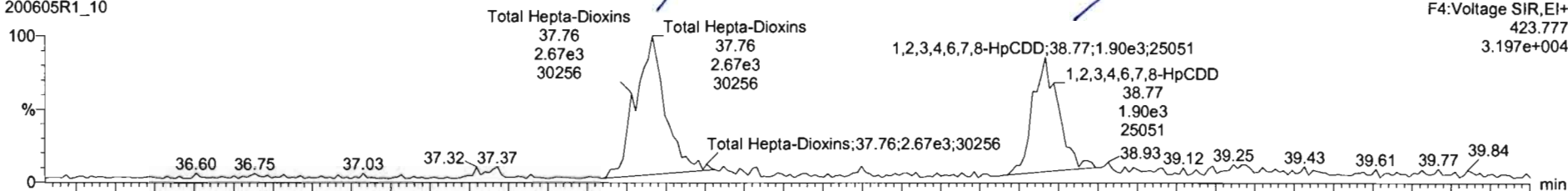
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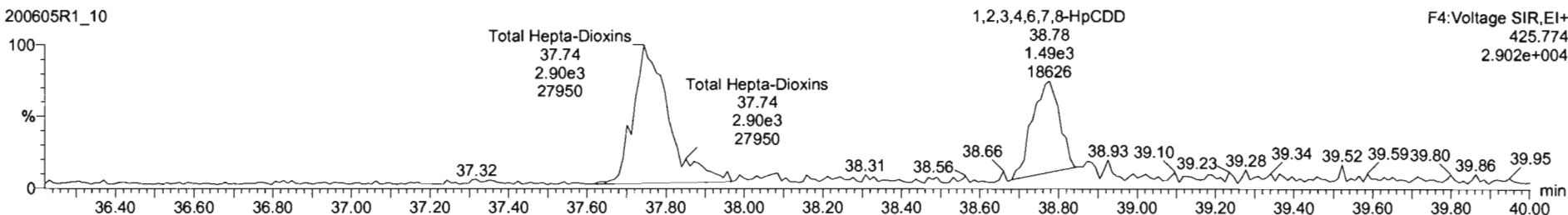
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1,2,3,4,6,7,8-HpCDD

200605R1_10

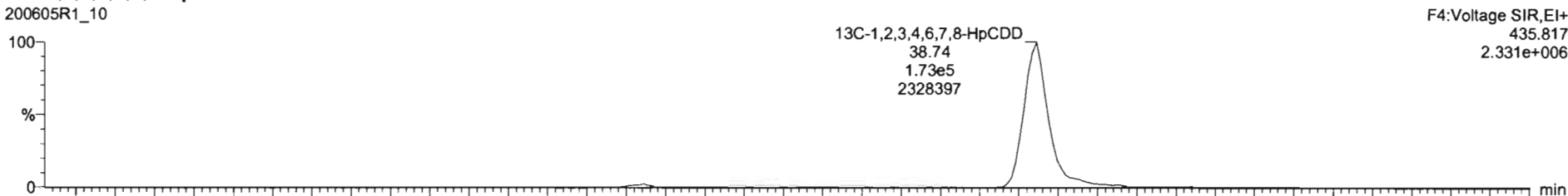


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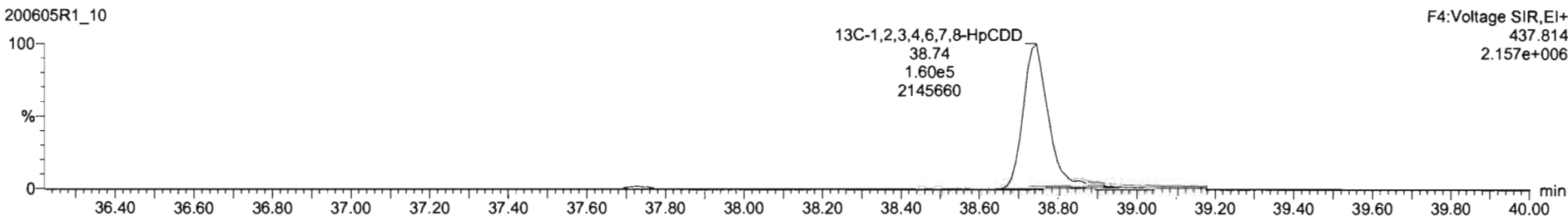


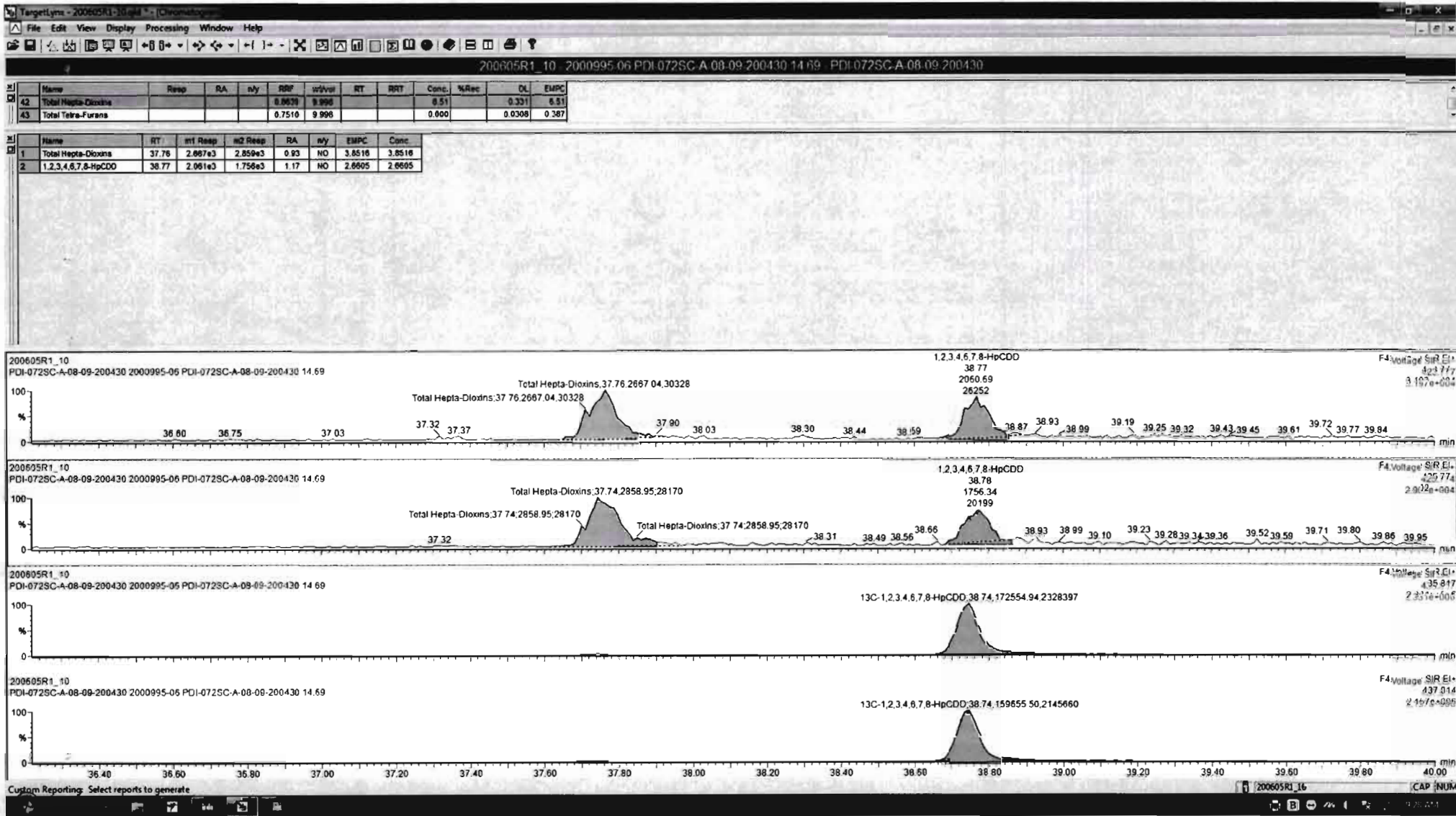
13C-1,2,3,4,6,7,8-HpCDD

200605R1_10



200605R1_10





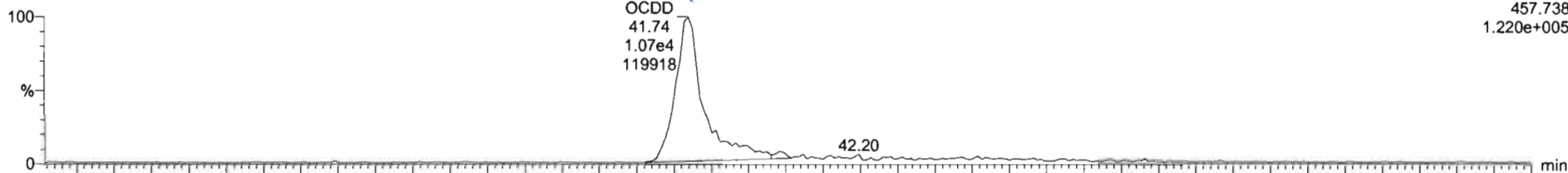
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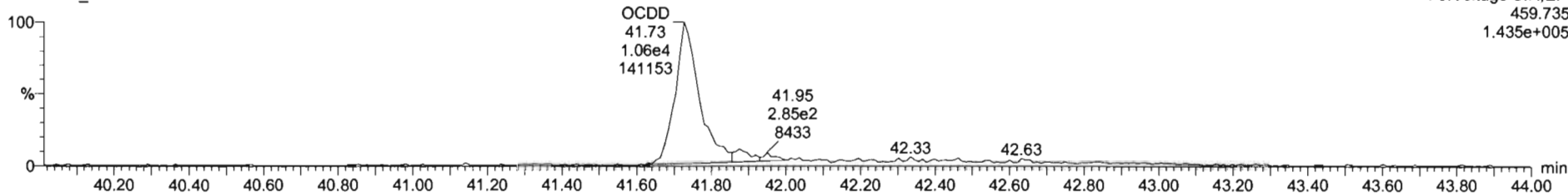
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OCDD

200605R1_10

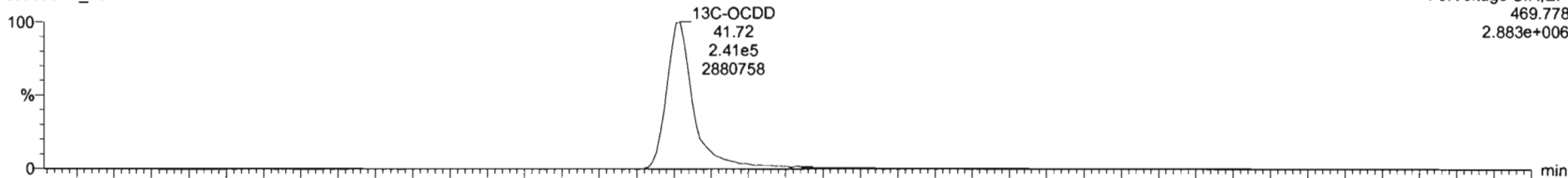


200605R1_10

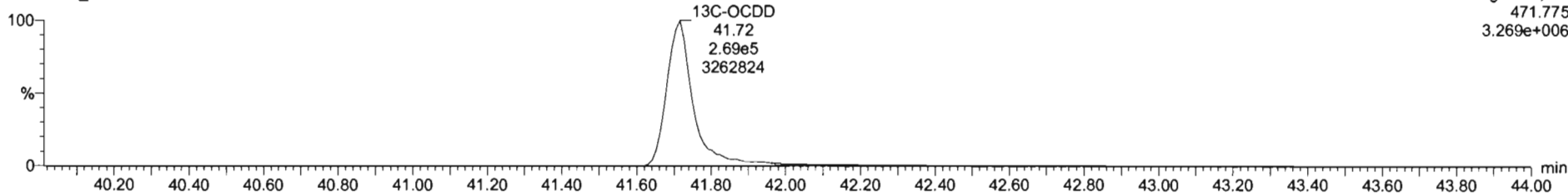


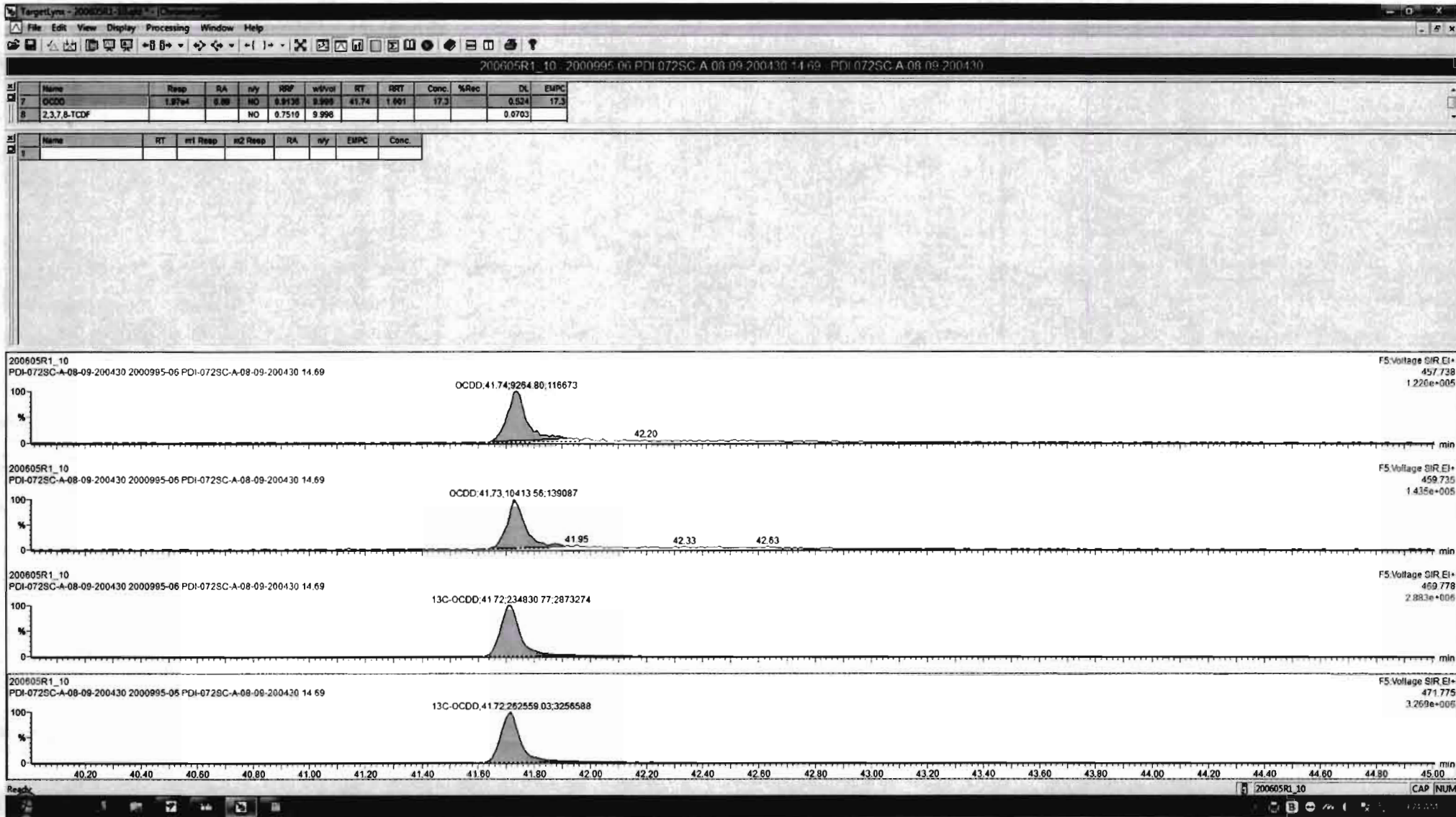
13C-OCDD

200605R1_10



200605R1_10



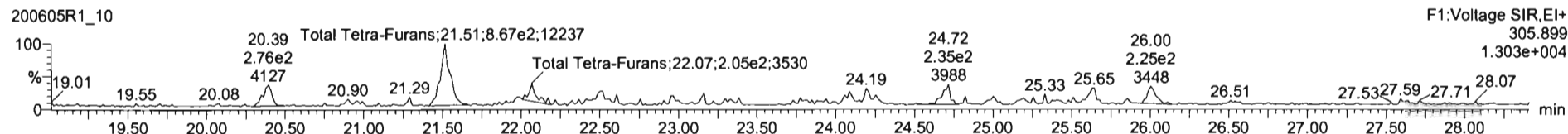
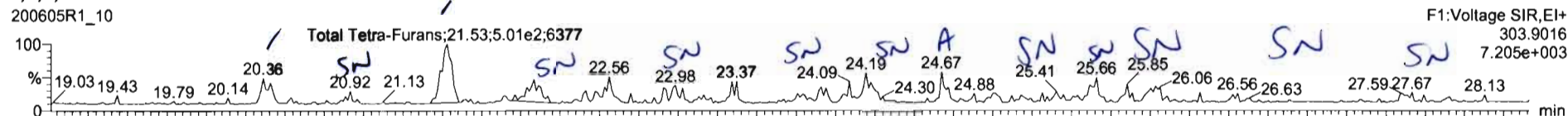


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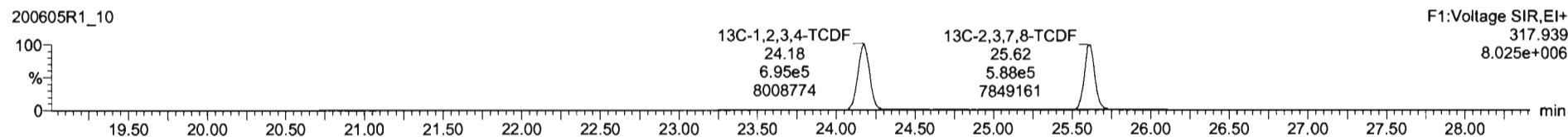
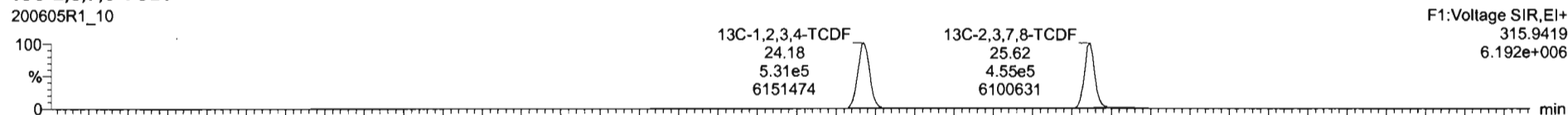
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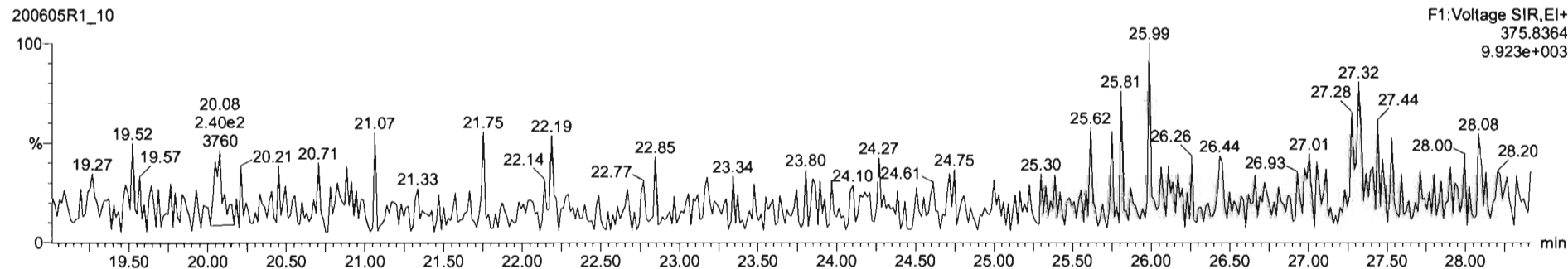
2,3,7,8-TCDF

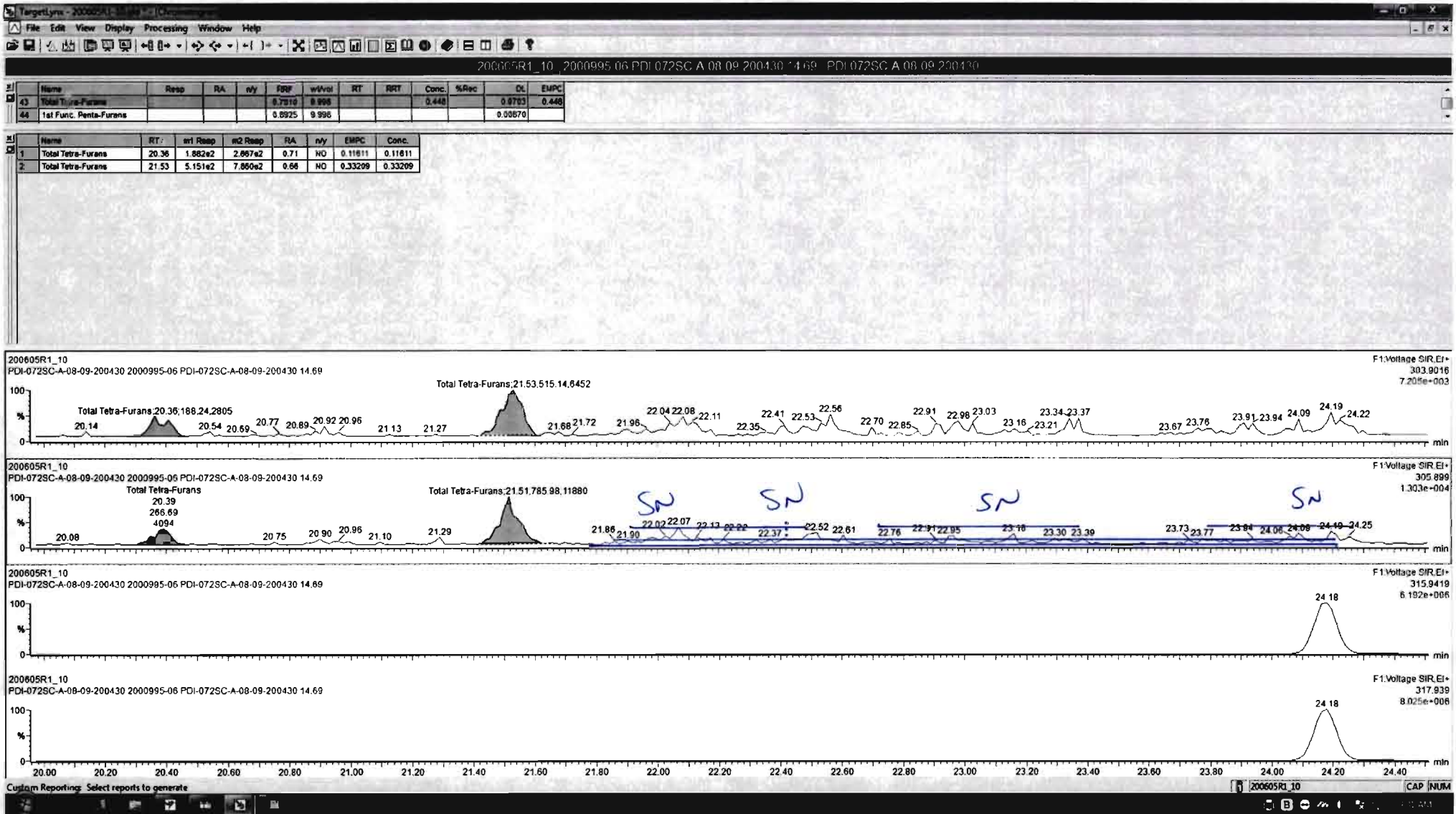


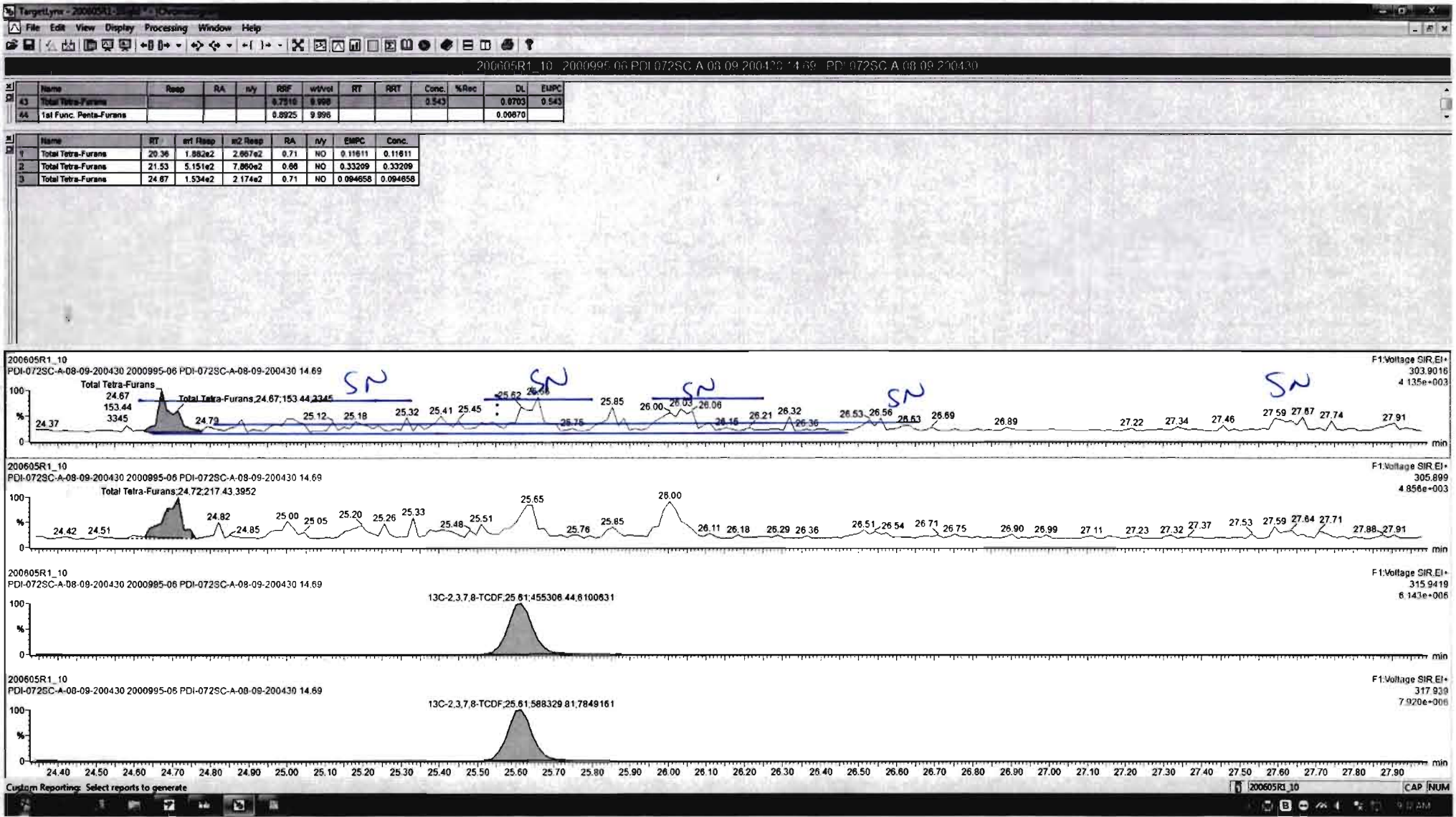
13C-2,3,7,8-TCDF



DPE1







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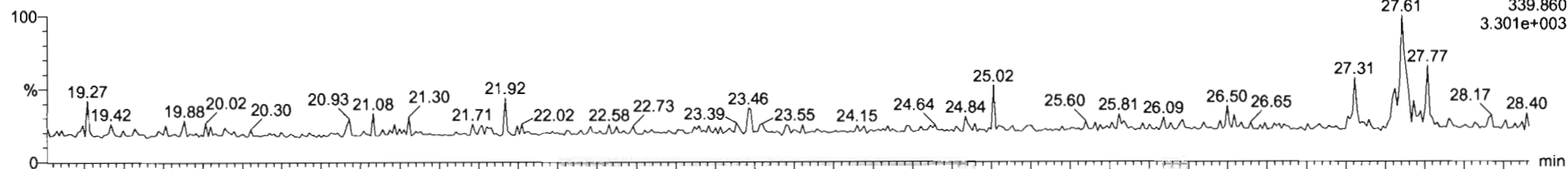
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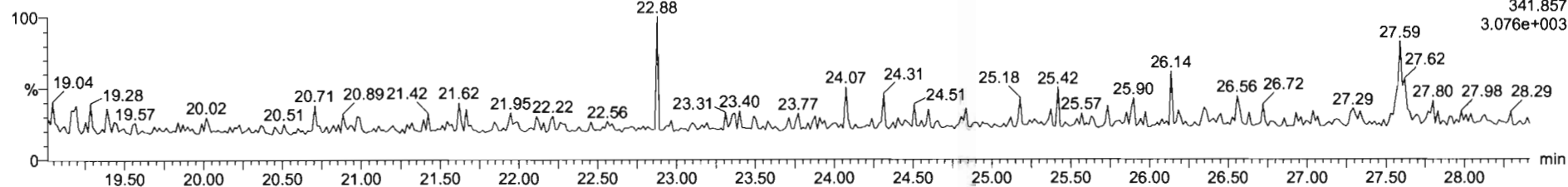
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1st Func. Penta-Furans

200605R1_10

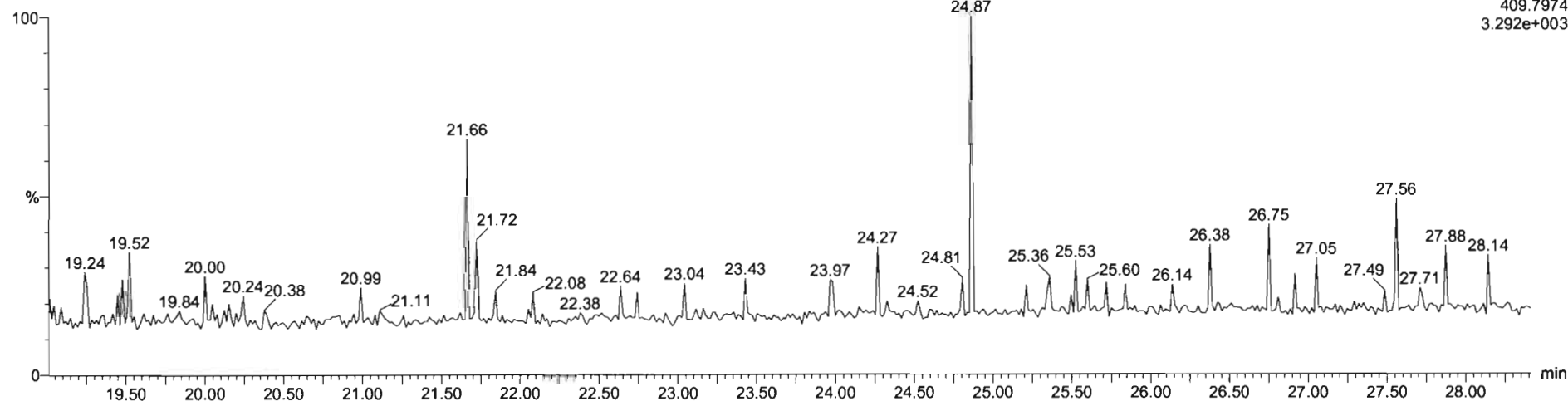


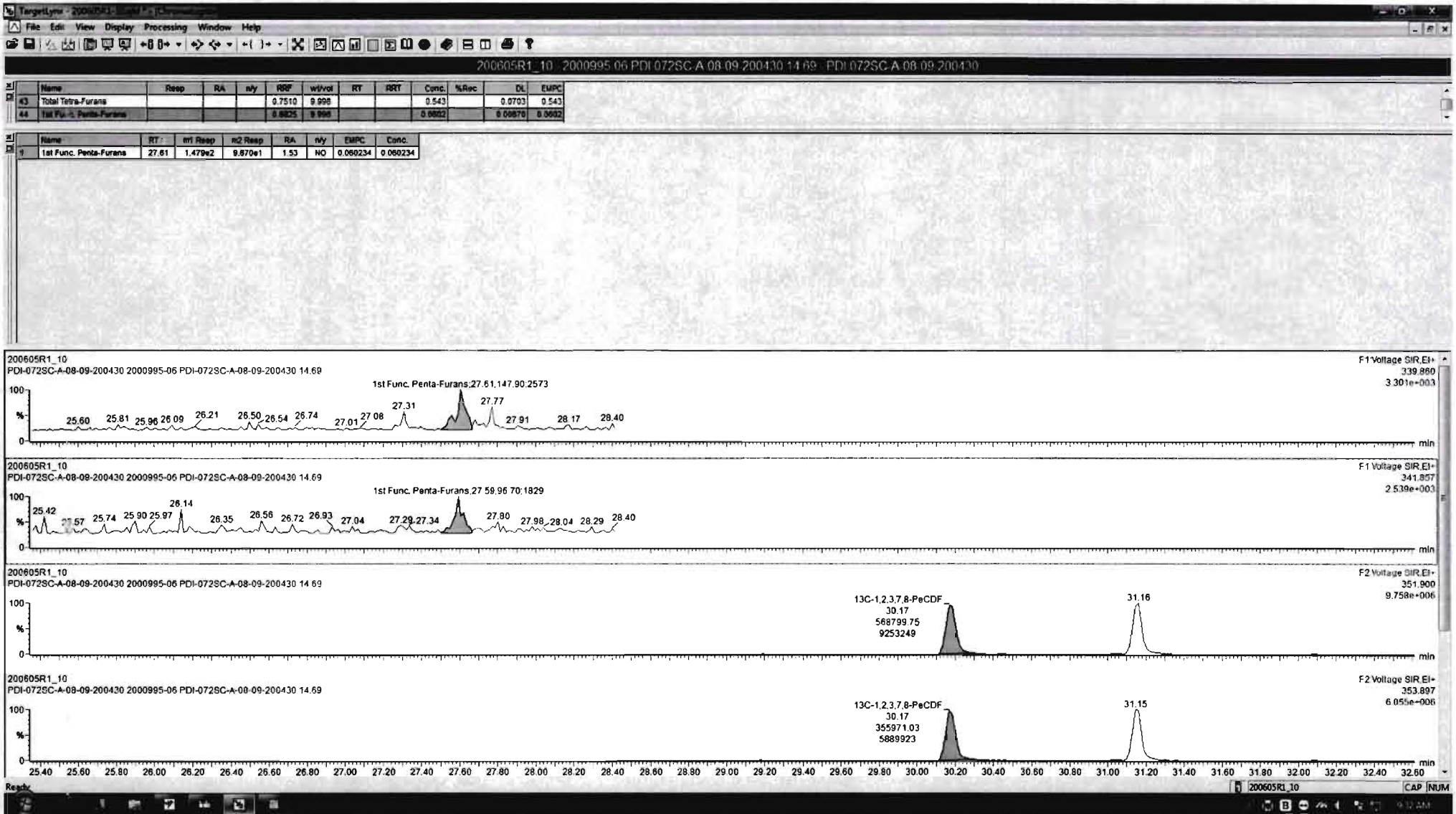
200605R1_10



DPE6

200605R1_10





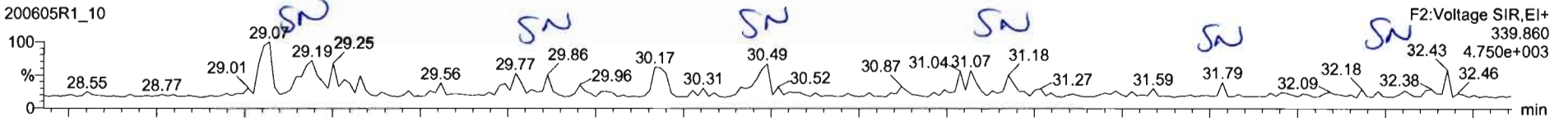
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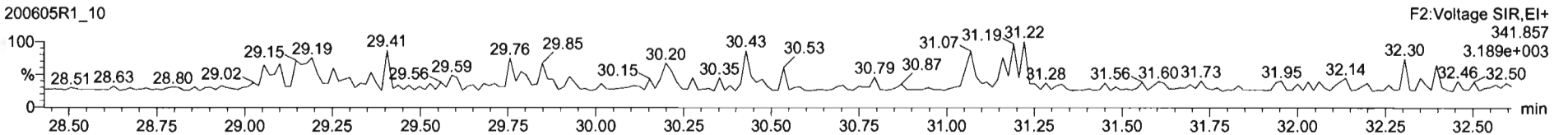
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1,2,3,7,8-PeCDF

200605R1_10

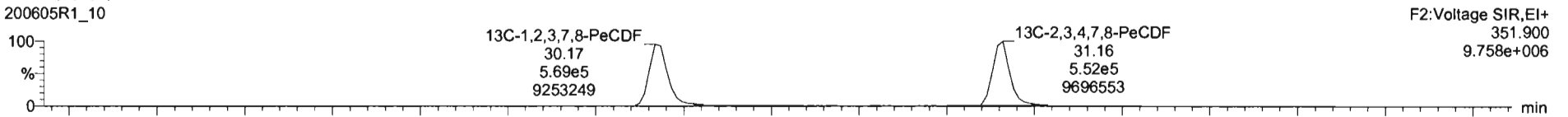


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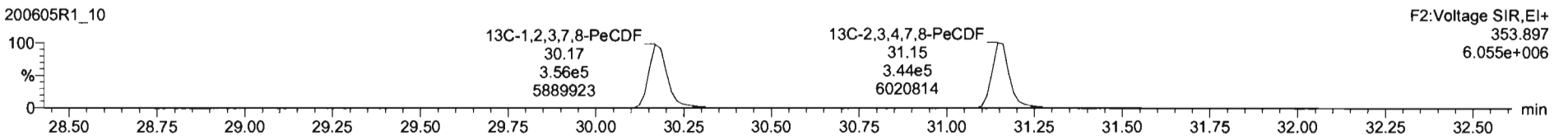


13C-1,2,3,7,8-PeCDF

200605R1_10

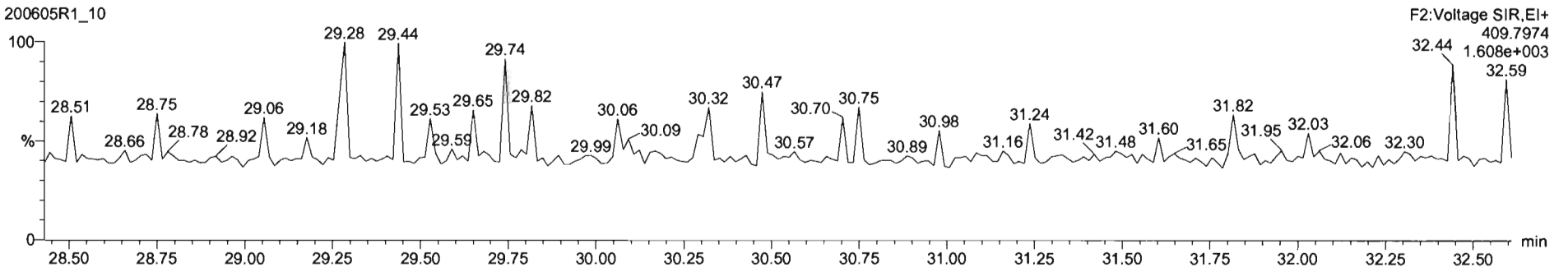


200605R1_10



DPE2

200605R1_10

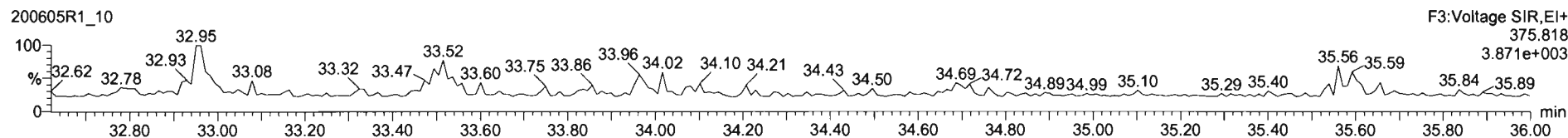
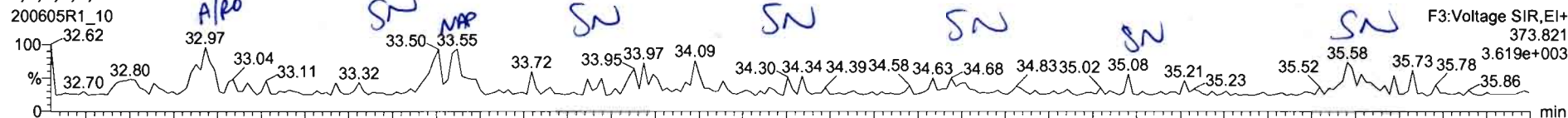


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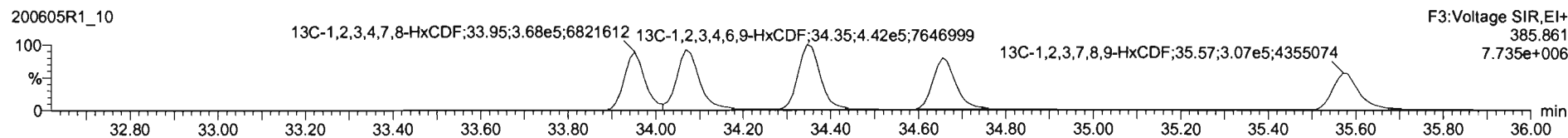
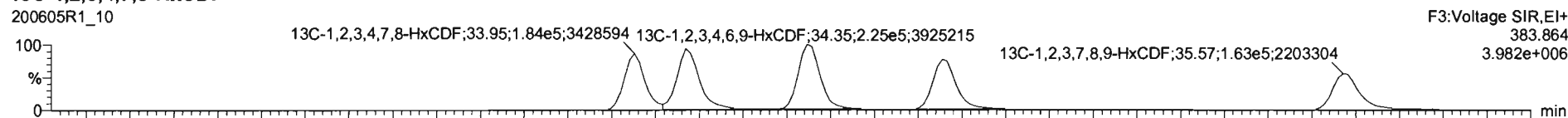
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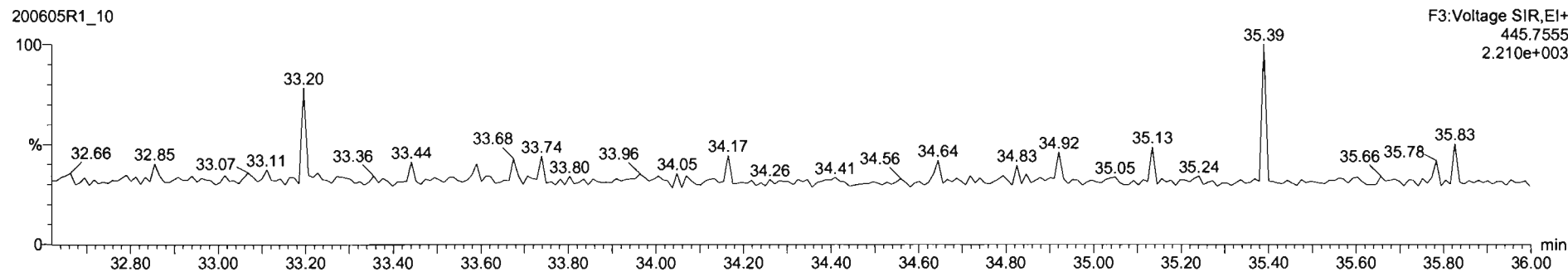
1,2,3,4,7,8-HxCDF

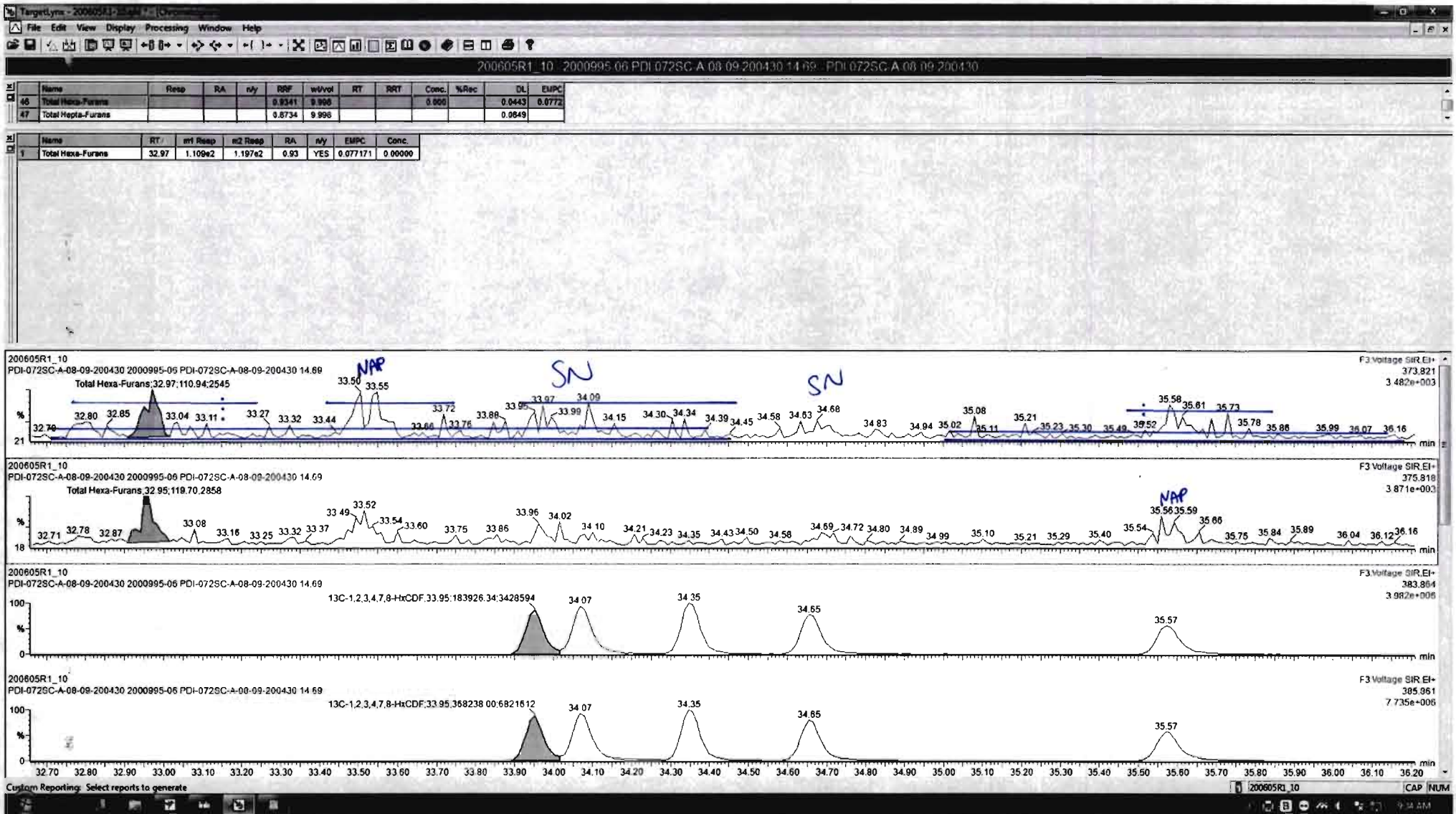


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DPE3





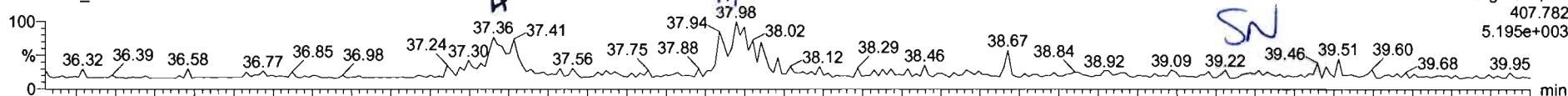
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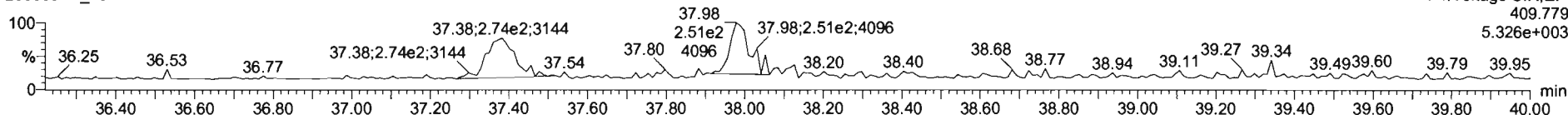
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1,2,3,4,6,7,8-HpCDF

200605R1_10

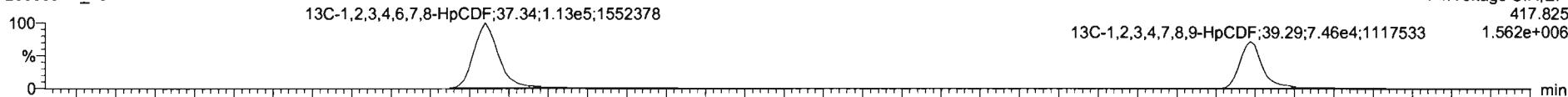


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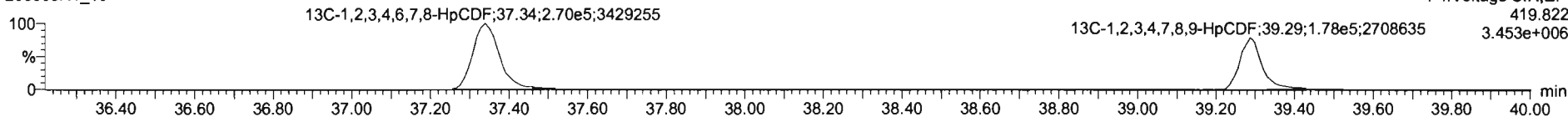


13C-1,2,3,4,6,7,8-HpCDF

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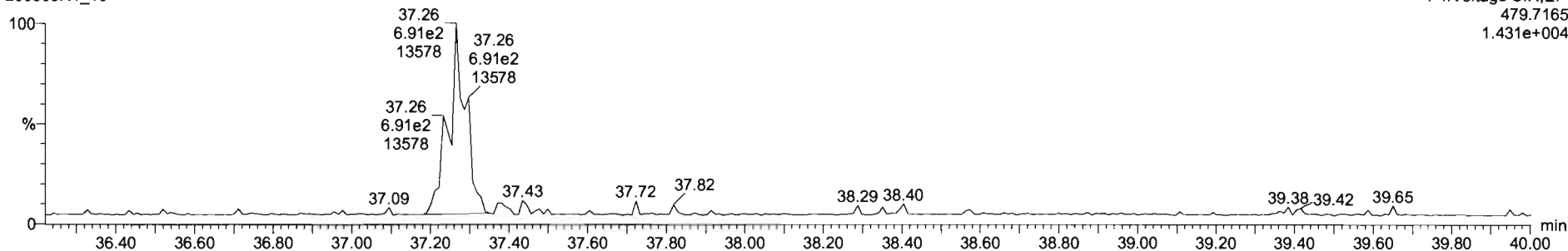


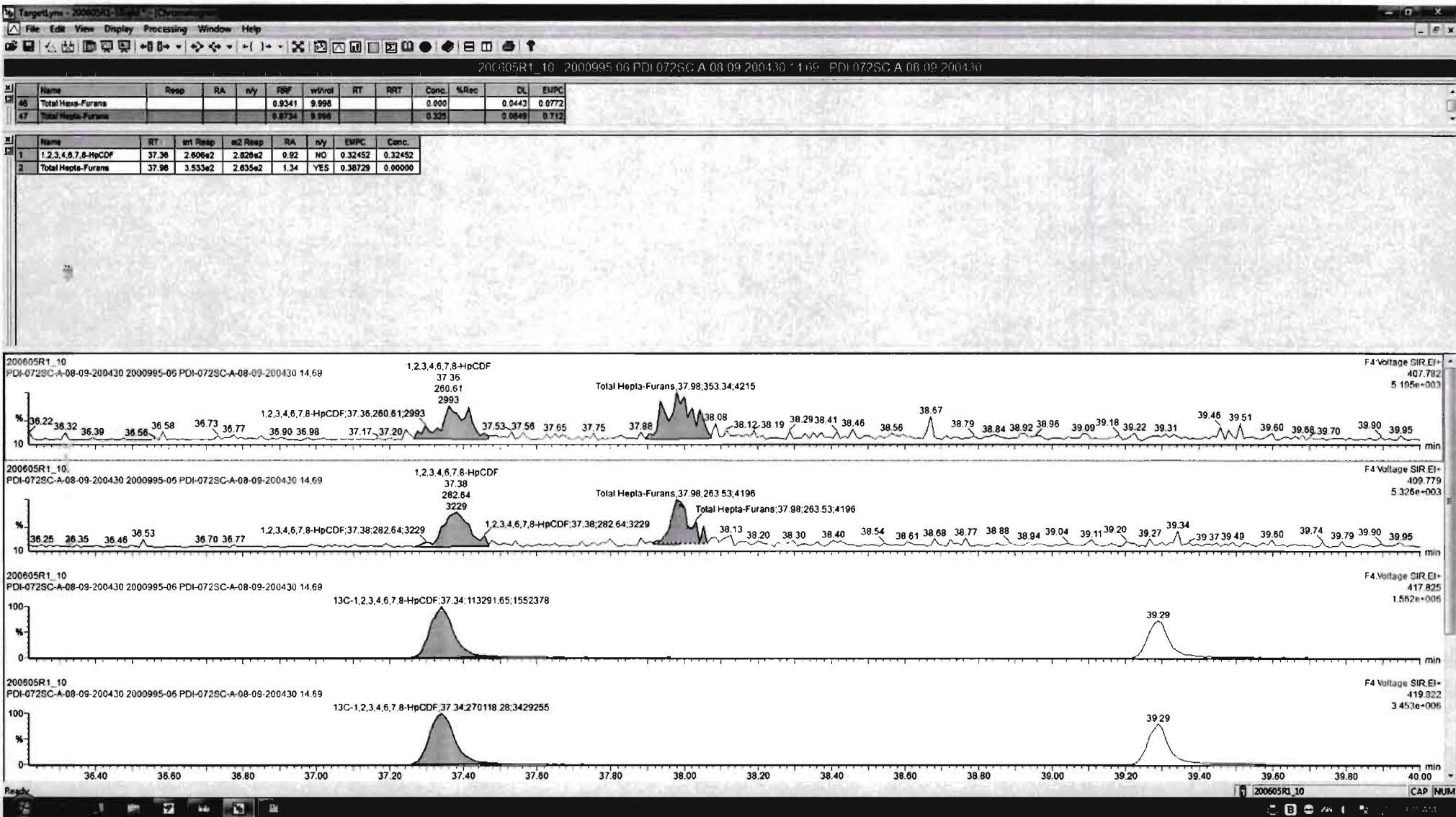
200605R1_10



DPE4

200605R1_10



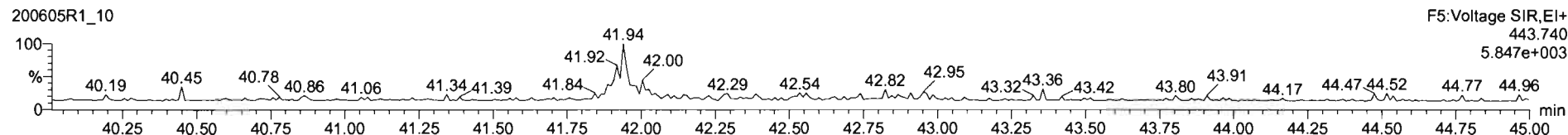
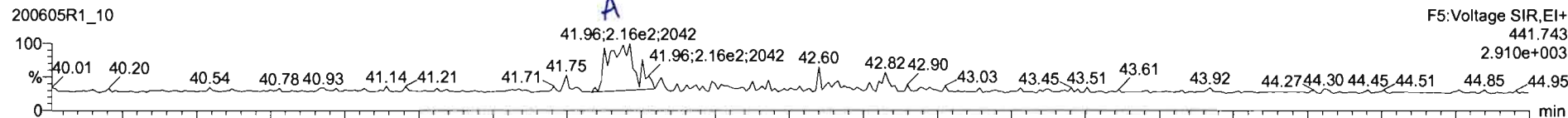


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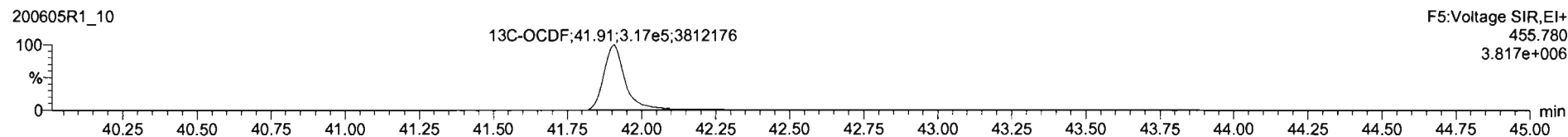
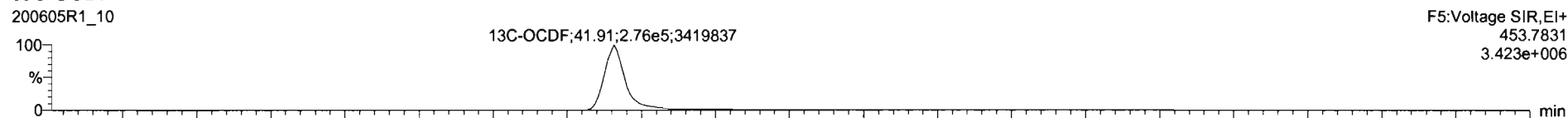
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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

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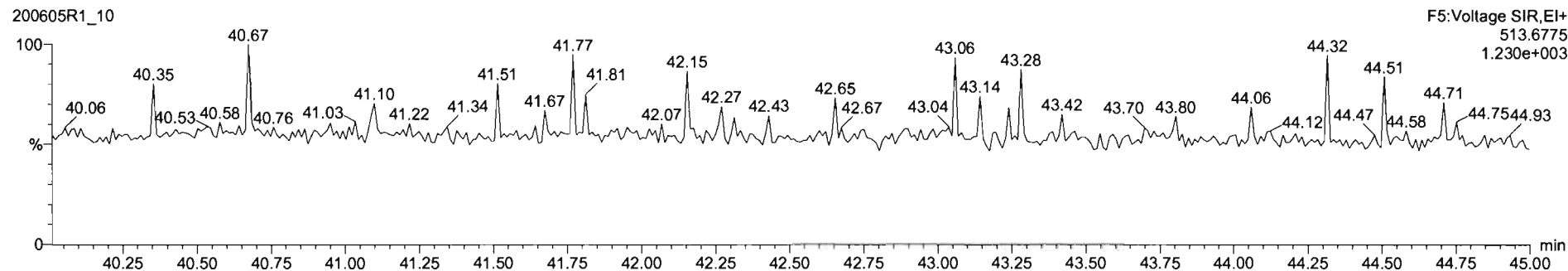
OCDF

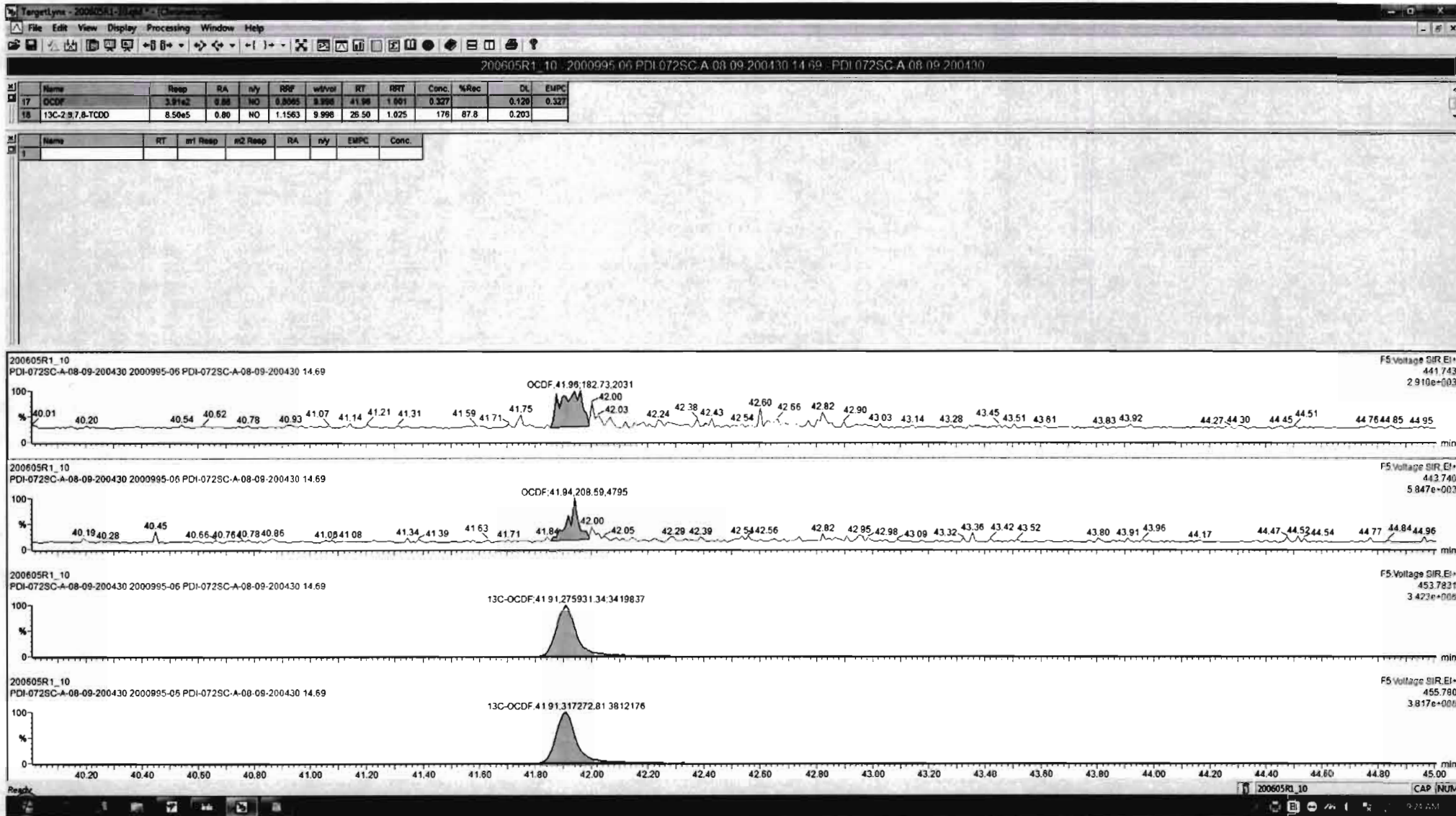


13C-OCDF



DPE5



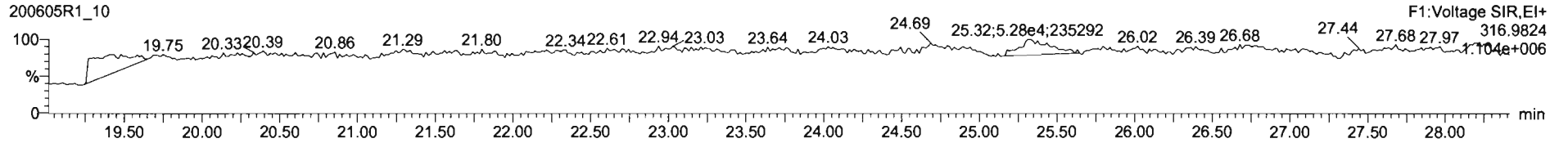


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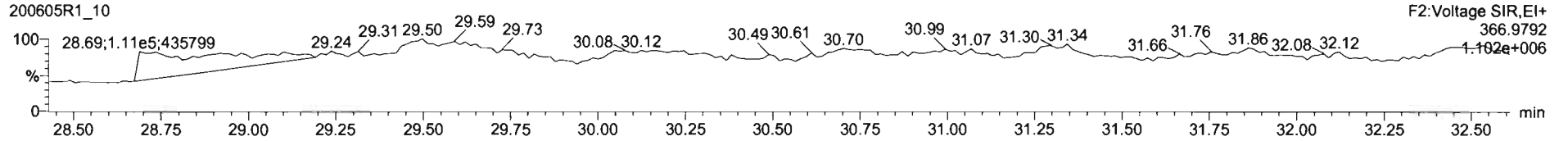
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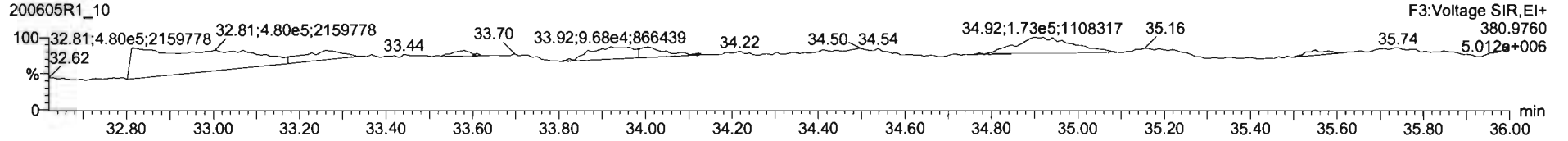
PFK1



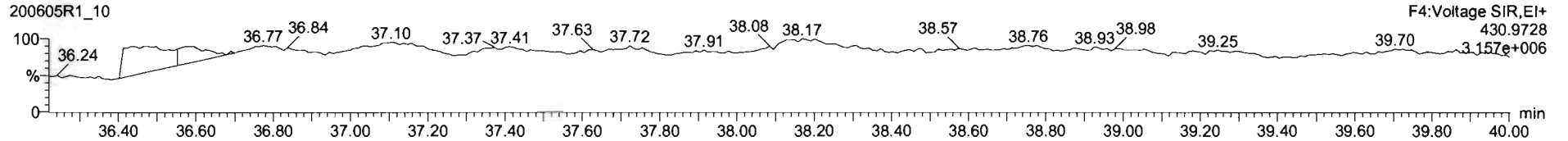
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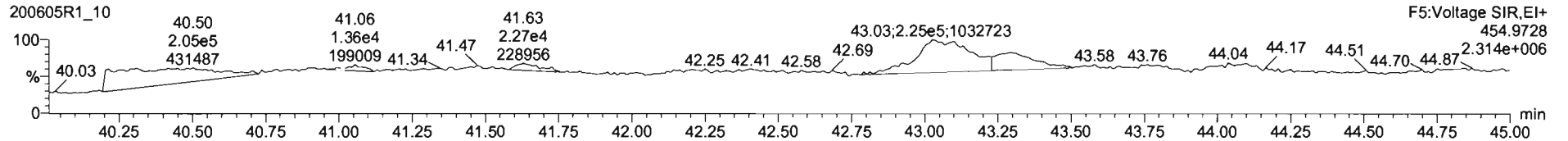
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200605R1\200605R1-11.qld

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Printed: Thursday, June 11, 2020 10:28:23 AM Pacific Daylight Time

GRB 06/11/2020

C706/15/2020

Method: Untitled 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R1_11, Date: 05-Jun-2020, Time: 17:36:27, ID: 2000995-07 PDI-072SC-A-09-9.5-200430 16.02, Description: PDI-072SC-A-09-9.5-200430

#	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	0.888	10.000	26.546		1.001				0.0893	
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.000	31.488		1.001				0.112	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.000	34.846		1.000				0.126	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.000	34.942		1.000				0.134	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.000	35.230		1.000				0.166	
6	6 1,2,3,4,6,7,8-HpCDD	2.14e3	0.91	NO	0.864	10.000	38.767	38.77	1.000	1.000	1.7729		0.365	1.77
7	7 OCDD	1.33e4	0.87	NO	0.914	10.000	41.727	41.76	1.000	1.001	12.917		0.535	12.9
8	8 2,3,7,8-TCDF	5.36e2	0.79	NO	0.751	10.000	25.641	25.63	1.001	1.001	0.15759		0.134	0.158
9	9 1,2,3,7,8-PeCDF			NO	0.893	10.000	30.205		1.001				0.120	
10	10 2,3,4,7,8-PeCDF			NO	0.935	10.000	31.191		1.001				0.111	
11	11 1,2,3,4,7,8-HxCDF			NO	0.884	10.000	33.963		1.000				0.0879	
12	12 1,2,3,6,7,8-HxCDF			NO	0.889	10.000	34.090		1.000				0.0793	
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.000	34.701		1.001				0.0908	
14	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.000	35.582		1.000				0.134	
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.873	10.000	37.397		1.001				0.119	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.000	39.299		1.000				0.148	
17	17 OCDF			NO	0.806	10.000	41.929		1.000				0.145	
18	18 13C-2,3,7,8-TCDD	7.20e5	0.75	NO	1.16	10.000	26.538	26.51	1.026	1.025	170.53	85.3	0.199	
19	19 13C-1,2,3,7,8-PeCDD	5.11e5	0.64	NO	0.849	10.000	31.729	31.47	1.227	1.217	164.80	82.4	0.375	
20	20 13C-1,2,3,4,7,8-HxCDD	4.08e5	1.26	NO	0.779	10.000	34.841	34.84	1.014	1.014	181.45	90.7	0.585	
21	21 13C-1,2,3,6,7,8-HxCDD	4.91e5	1.25	NO	1.02	10.000	34.955	34.94	1.017	1.017	167.30	83.6	0.448	
22	22 13C-1,2,3,7,8,9-HxCDD	4.07e5	1.17	NO	0.903	10.000	35.226	35.22	1.025	1.025	156.31	78.2	0.504	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.79e5	1.03	NO	0.689	10.000	38.751	38.76	1.128	1.128	140.47	70.2	0.504	
24	24 13C-OCDD	4.51e5	0.90	NO	0.652	10.000	41.775	41.73	1.216	1.215	239.67	59.9	0.633	
25	25 13C-2,3,7,8-TCDF	9.05e5	0.77	NO	1.06	10.000	25.578	25.61	0.989	0.991	159.94	80.0	0.326	
26	26 13C-1,2,3,7,8-PeCDF	7.70e5	1.58	NO	0.838	10.000	30.111	30.18	1.165	1.167	171.89	85.9	0.562	
27	27 13C-2,3,4,7,8-PeCDF	7.39e5	1.56	NO	0.817	10.000	31.065	31.16	1.202	1.205	169.46	84.7	0.577	
28	28 13C-1,2,3,4,7,8-HxCDF	4.57e5	0.50	NO	1.01	10.000	33.972	33.96	0.989	0.989	157.28	78.6	0.730	
29	29 13C-1,2,3,6,7,8-HxCDF	5.23e5	0.51	NO	1.17	10.000	34.096	34.08	0.992	0.992	155.20	77.6	0.630	
30	30 13C-2,3,4,6,7,8-HxCDF	4.65e5	0.50	NO	1.02	10.000	34.670	34.67	1.009	1.009	157.78	78.9	0.720	
31	31 13C-1,2,3,7,8,9-HxCDF	3.89e5	0.51	NO	0.860	10.000	35.570	35.58	1.035	1.036	156.81	78.4	0.856	

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-11.qld

Last Altered: Thursday, June 11, 2020 10:19:40 AM Pacific Daylight Time
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Name: 200605R1_11, Date: 05-Jun-2020, Time: 17:36:27, ID: 2000995-07 PDI-072SC-A-09-9.5-200430 16.02, Description: PDI-072SC-A-09-9.5-200430

#	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	3.29e5	0.42	NO	0.774	10.000	37.319	37.36	1.086	1.087	147.34	73.7	0.821	
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.11e5	0.42	NO	0.521	10.000	39.349	39.30	1.145	1.144	140.26	70.1	1.22	
34	34 13C-OCDF	5.09e5	0.93	NO	0.746	10.000	41.946	41.93	1.221	1.220	236.74	59.2	0.465	
35	35 37Cl-2,3,7,8-TCDD	2.66e5			1.04	10.000	26.569	26.53	1.028	1.026	70.281	87.8	0.0561	
36	36 13C-1,2,3,4-TCDD	7.30e5	0.80	NO	1.00	10.000	25.890	25.85	1.000	1.000	200.01	100	0.231	
37	37 13C-1,2,3,4-TCDF	1.07e6	0.78	NO	1.00	10.000	24.360	24.18	1.000	1.000	200.01	100	0.345	
38	38 13C-1,2,3,4,6,9-HxCDF	5.77e5	0.50	NO	1.00	10.000	34.420	34.36	1.000	1.000	200.01	100	0.735	
39	39 Total Tetra-Dioxins				0.888	10.000	24.620		0.000		0.59074		0.0893	0.873
40	40 Total Penta-Dioxins				0.908	10.000	29.960		0.000		0.20569		0.112	0.555
41	41 Total Hexa-Dioxins				0.892	10.000	33.635		0.000		1.3774		0.148	1.38
42	42 Total Hepta-Dioxins				0.864	10.000	37.640		0.000		4.3087		0.365	4.31
43	43 Total Tetra-Furans				0.751	10.000	23.610		0.000		1.4172		0.134	3.57
44	44 1st Func. Penta-Furans				0.893	10.000	27.580		0.000		0.00000		0.0106	0.0884
45	45 Total Penta-Furans				0.893	10.000	29.275		0.000		0.34522		0.0733	0.345
46	46 Total Hexa-Furans				0.934	10.000	33.555		0.000				0.0533	
47	47 Total Hepta-Furans				0.873	10.000	37.835		0.000				0.0539	

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-11.qld

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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R1_11, Date: 05-Jun-2020, Time: 17:36:27, ID: 2000995-07 PDI-072SC-A-09-9.5-200430 16.02, Description: PDI-072SC-A-09-9.5-200430

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.53	5.441e3	6.166e3	4.629e2	5.099e2	0.91	YES	0.000e0	0.00000	0.28216	0.0893
2	Total Tetra-Dioxins	22.94	3.735e3	6.361e3	3.602e2	4.793e2	0.75	NO	8.396e2	0.26249	0.26249	0.0893
3	Total Tetra-Dioxins	24.34	7.303e3	7.409e3	4.737e2	5.762e2	0.82	NO	1.050e3	0.32824	0.32824	0.0893

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.25	2.635e3	4.009e3	1.665e2	3.106e2	0.54	NO	4.772e2	0.20569	0.20569	0.112
2	Total Penta-Dioxins	29.74	3.970e3	6.779e3	1.805e2	2.649e2	0.68	NO	0.000e0	0.00000	0.19200	0.112
3	Total Penta-Dioxins	30.70	2.687e3	3.882e3	1.780e2	2.236e2	0.80	YES	0.000e0	0.00000	0.15712	0.112

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.35	1.841e4	1.614e4	9.658e2	7.792e2	1.24	NO	1.745e3	0.89864	0.89864	0.148
2	Total Hexa-Dioxins	34.17	8.168e3	5.917e3	5.347e2	3.949e2	1.35	NO	9.296e2	0.47874	0.47874	0.148

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.76	1.903e4	1.813e4	1.470e3	1.590e3	0.92	NO	3.060e3	2.5358	2.5358	0.365
2	1,2,3,4,6,7,8-HpCDD	38.77	1.328e4	1.622e4	1.018e3	1.121e3	0.91	NO	2.139e3	1.7729	1.7729	0.365

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-11.qld

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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	20.39	4.074e3	5.639e3	2.823e2	4.313e2	0.65	NO	7.136e2	0.21002	0.21002	0.134
2	Total Tetra-Furans	21.56	1.152e4	1.701e4	8.976e2	1.288e3	0.70	NO	2.185e3	0.64312	0.64312	0.134
3	Total Tetra-Furans	21.93	2.768e3	2.582e3	2.393e2	2.908e2	0.82	NO	0.000e0	0.00000	0.15598	0.134
4	Total Tetra-Furans	22.11	4.371e3	6.299e3	4.704e2	6.508e2	0.72	NO	0.000e0	0.00000	0.32997	0.134
5	Total Tetra-Furans	22.43	1.606e3	2.887e3	1.172e2	1.610e2	0.73	NO	0.000e0	0.00000	0.081864	0.134
6	Total Tetra-Furans	22.53	3.166e3	7.496e3	3.605e2	4.606e2	0.78	NO	0.000e0	0.00000	0.24166	0.134
7	Total Tetra-Furans	23.01	2.997e3	3.596e3	1.428e2	2.064e2	0.69	NO	0.000e0	0.00000	0.10279	0.134
8	Total Tetra-Furans	23.15	1.935e3	1.932e3	1.023e2	1.461e2	0.70	NO	0.000e0	0.00000	0.073109	0.134
9	Total Tetra-Furans	23.37	2.497e3	2.814e3	1.345e2	1.648e2	0.82	NO	2.993e2	0.088068	0.088068	0.134
10	Total Tetra-Furans	23.77	2.014e3	3.354e3	1.474e2	2.084e2	0.71	NO	3.558e2	0.10472	0.10472	0.134
11	Total Tetra-Furans	23.91	1.983e3	2.854e3	1.588e2	2.159e2	0.74	NO	0.000e0	0.00000	0.11026	0.134
12	Total Tetra-Furans	24.13	2.331e3	3.467e3	1.886e2	2.573e2	0.73	NO	0.000e0	0.00000	0.13121	0.134
13	Total Tetra-Furans	24.19	4.482e3	5.781e3	3.836e2	5.256e2	0.73	NO	0.000e0	0.00000	0.26757	0.134
14	Total Tetra-Furans	24.70	4.727e3	6.519e3	3.217e2	4.043e2	0.80	NO	7.260e2	0.21366	0.21366	0.134
15	Total Tetra-Furans	25.00	2.634e3	3.827e3	1.912e2	2.855e2	0.67	NO	0.000e0	0.00000	0.14028	0.134
16	Total Tetra-Furans	25.18	1.516e3	4.194e3	1.029e2	2.117e2	0.49	YES	0.000e0	0.00000	0.069598	0.134
17	Total Tetra-Furans	25.42	1.936e3	2.212e3	1.646e2	1.792e2	0.92	YES	0.000e0	0.00000	0.093336	0.134
18	Total Tetra-Furans	25.51	1.772e3	2.359e3	9.742e1	1.550e2	0.63	YES	0.000e0	0.00000	0.065907	0.134
19	2,3,7,8-TCDF	25.63	3.884e3	4.923e3	2.360e2	2.995e2	0.79	NO	5.355e2	0.15759	0.15759	0.134
20	Total Tetra-Furans	26.00	7.919e3	4.703e3	4.005e2	4.362e2	0.92	YES	0.000e0	0.00000	0.22722	0.134
21	Total Tetra-Furans	27.64	2.223e3	2.434e3	1.645e2	1.281e2	1.28	YES	0.000e0	0.00000	0.066715	0.134

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	27.62	2.995e3	2.308e3	2.354e2	1.167e2	2.02	YES	0.000e0	0.00000	0.088357	0.0106

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.06	4.447e3	2.555e3	2.710e2	1.831e2	1.48	NO	4.541e2	0.13487	0.13487	0.0733
2	Total Penta-Furans	29.21	5.064e3	2.910e3	4.504e2	2.578e2	1.75	NO	7.082e2	0.21035	0.21035	0.0733

Vista Analytical Laboratory

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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												

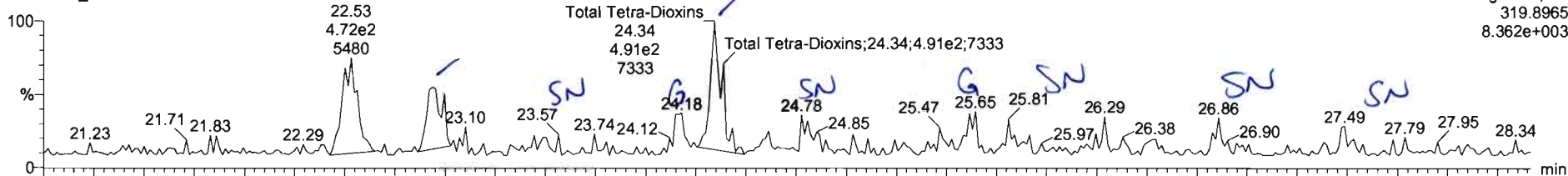
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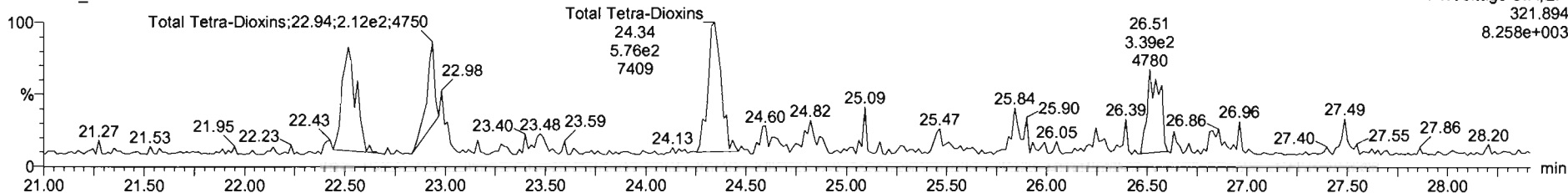
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200605R1_11



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8.362e+003

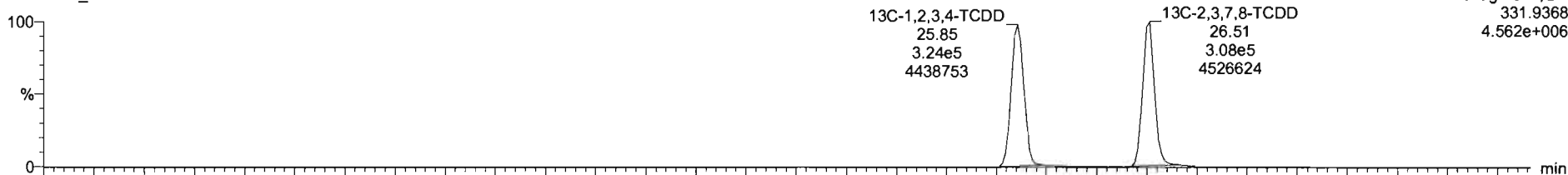
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F1:Voltage SIR,EI+
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8.258e+003

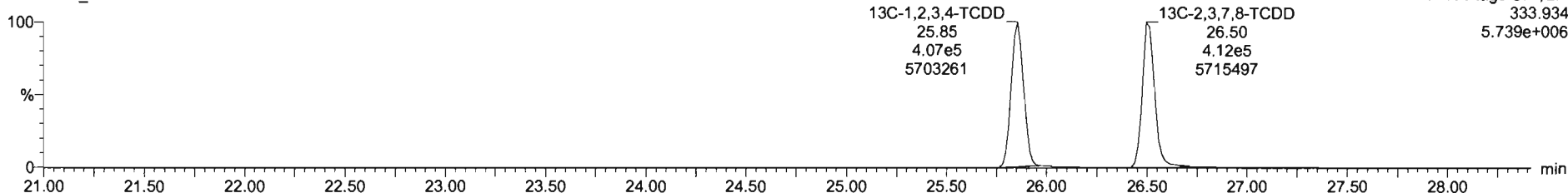
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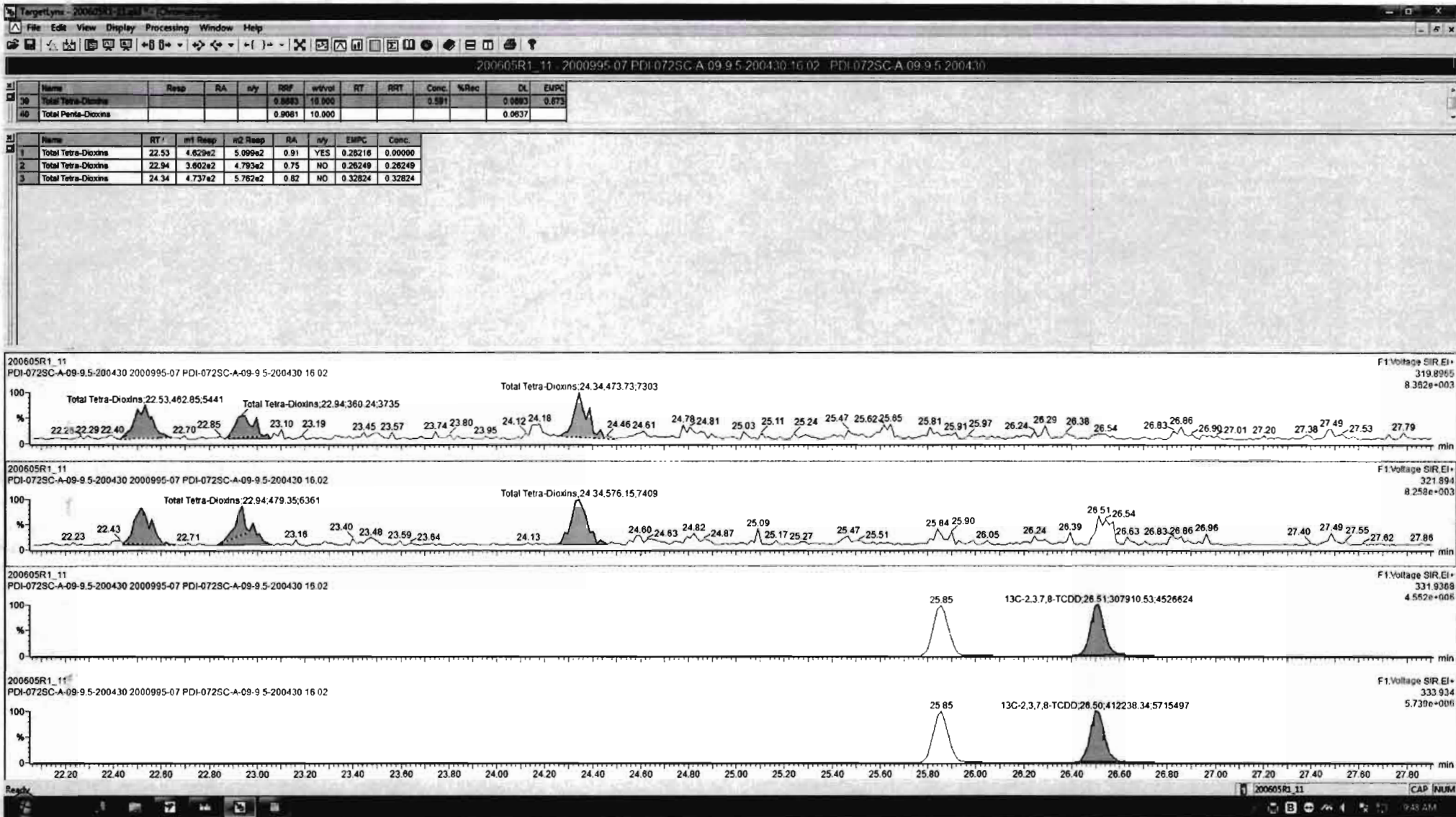


F1:Voltage SIR,EI+
331.9368
4.562e+006

200605R1_11



F1:Voltage SIR,EI+
333.934
5.739e+006



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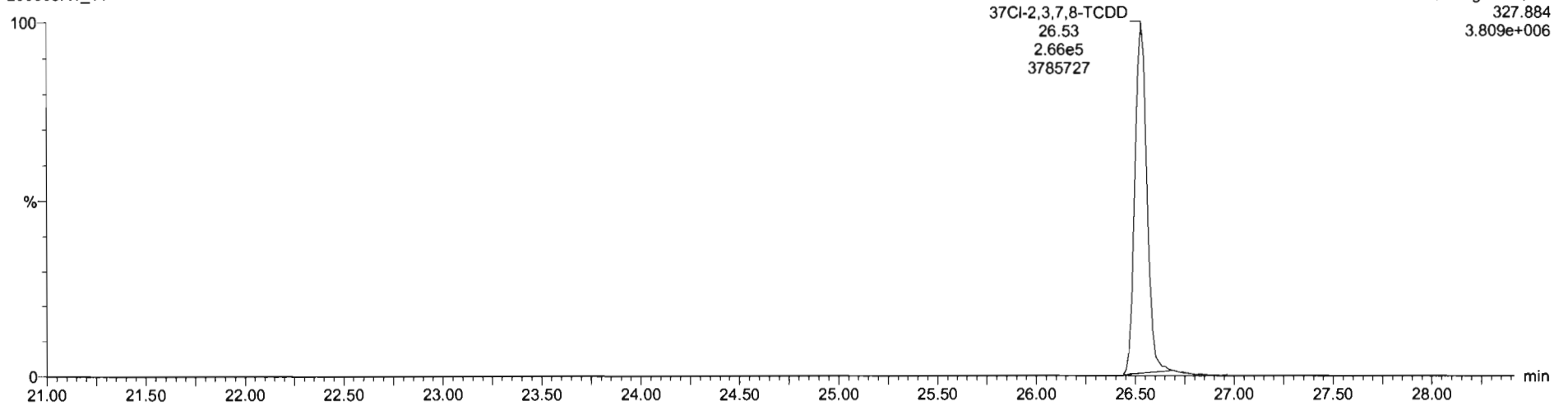
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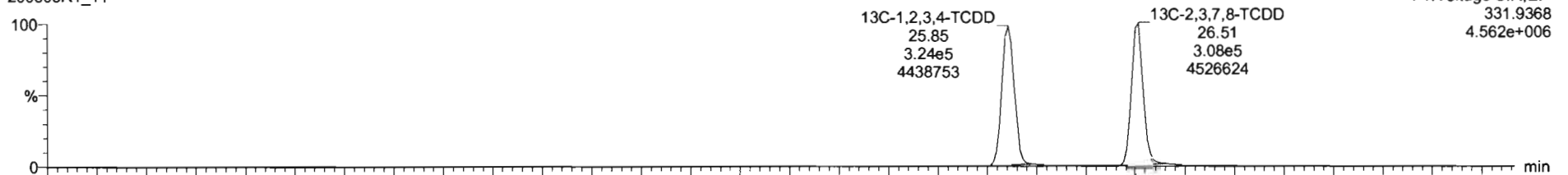
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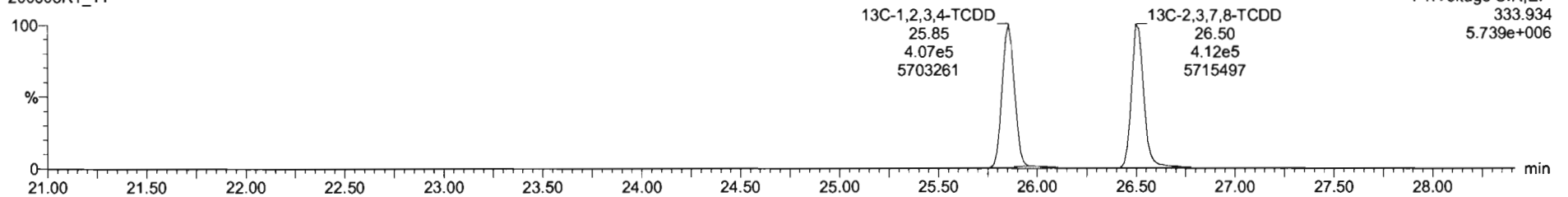


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200605R1_11



200605R1_11



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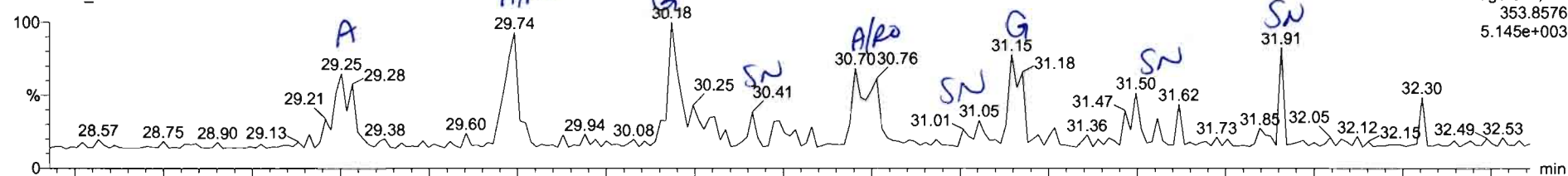
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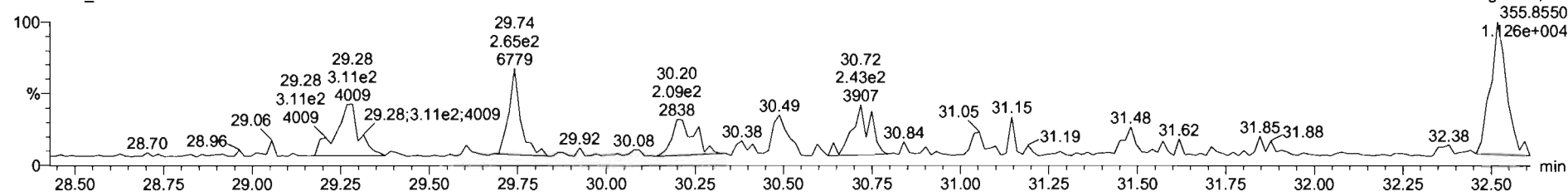
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1,2,3,7,8-PeCDD

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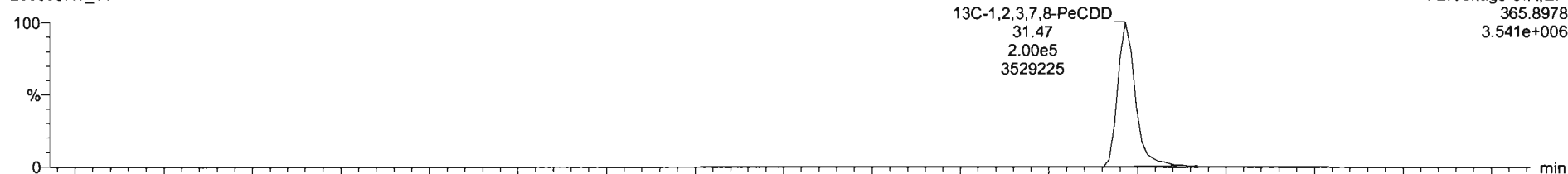


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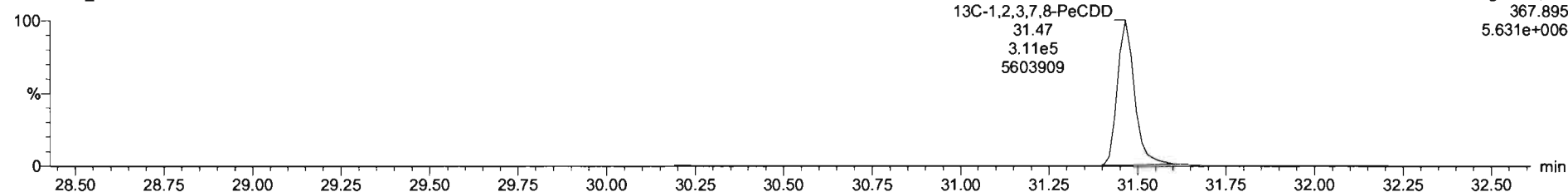


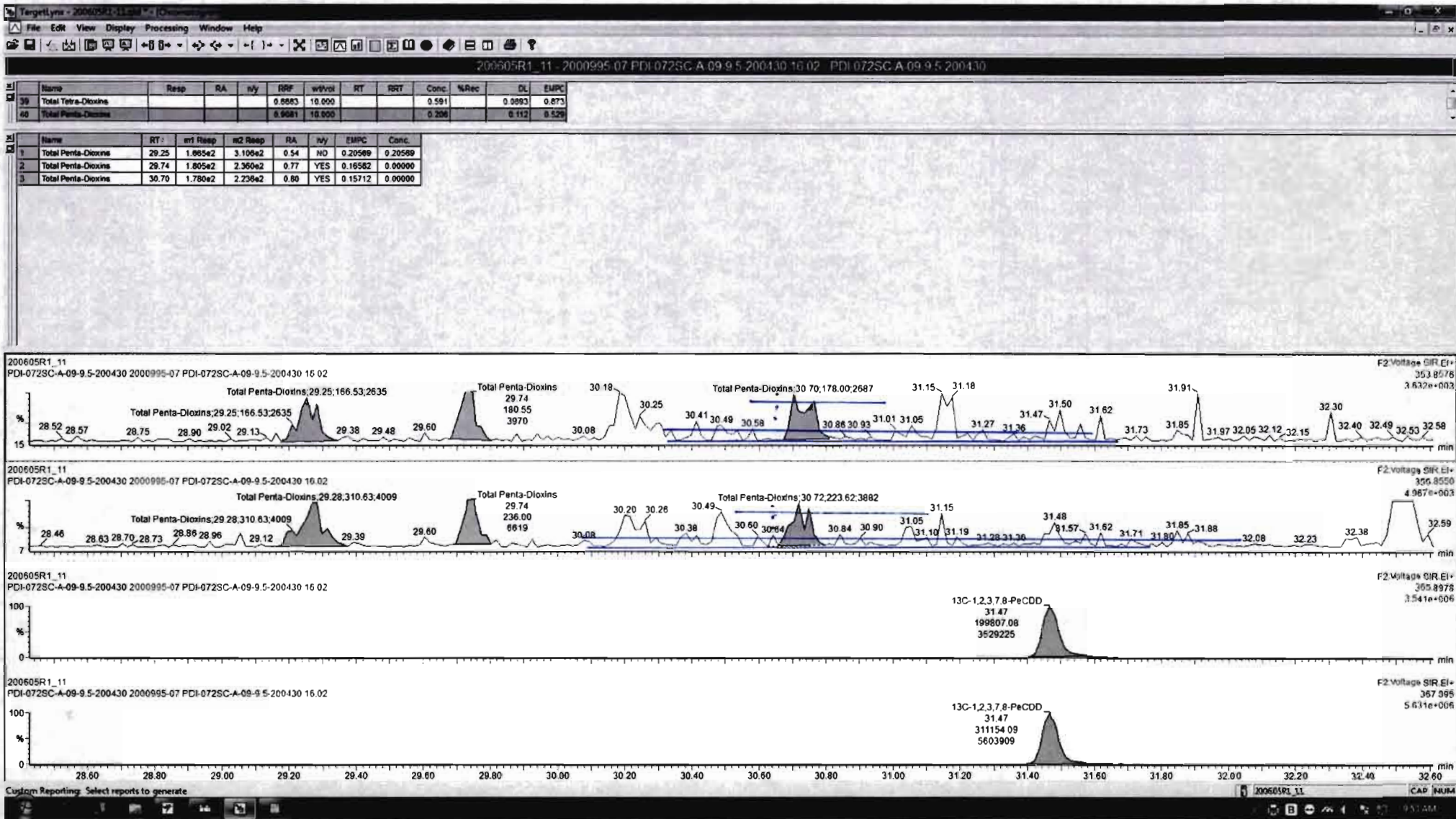
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200605R1_11





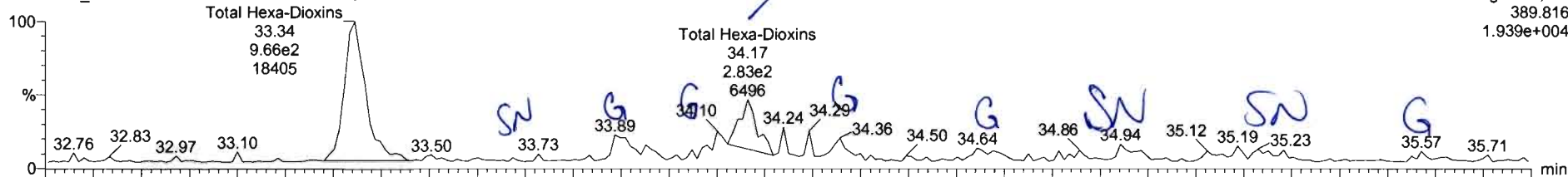
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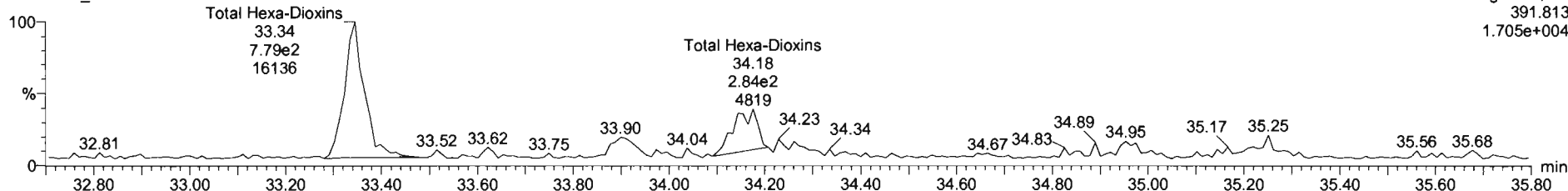
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1,2,3,4,7,8-HxCDD

200605R1_11

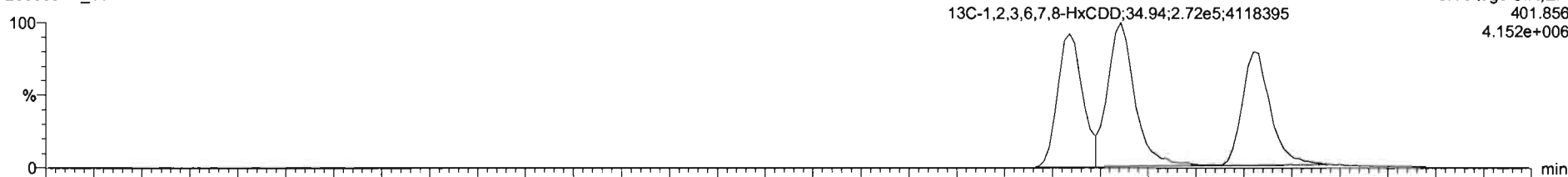


200605R1_11

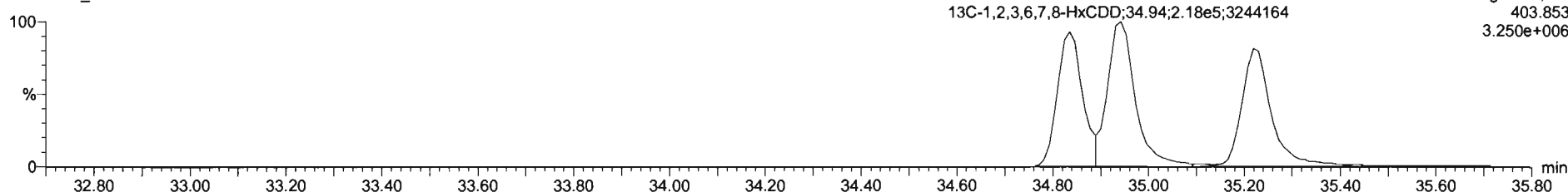


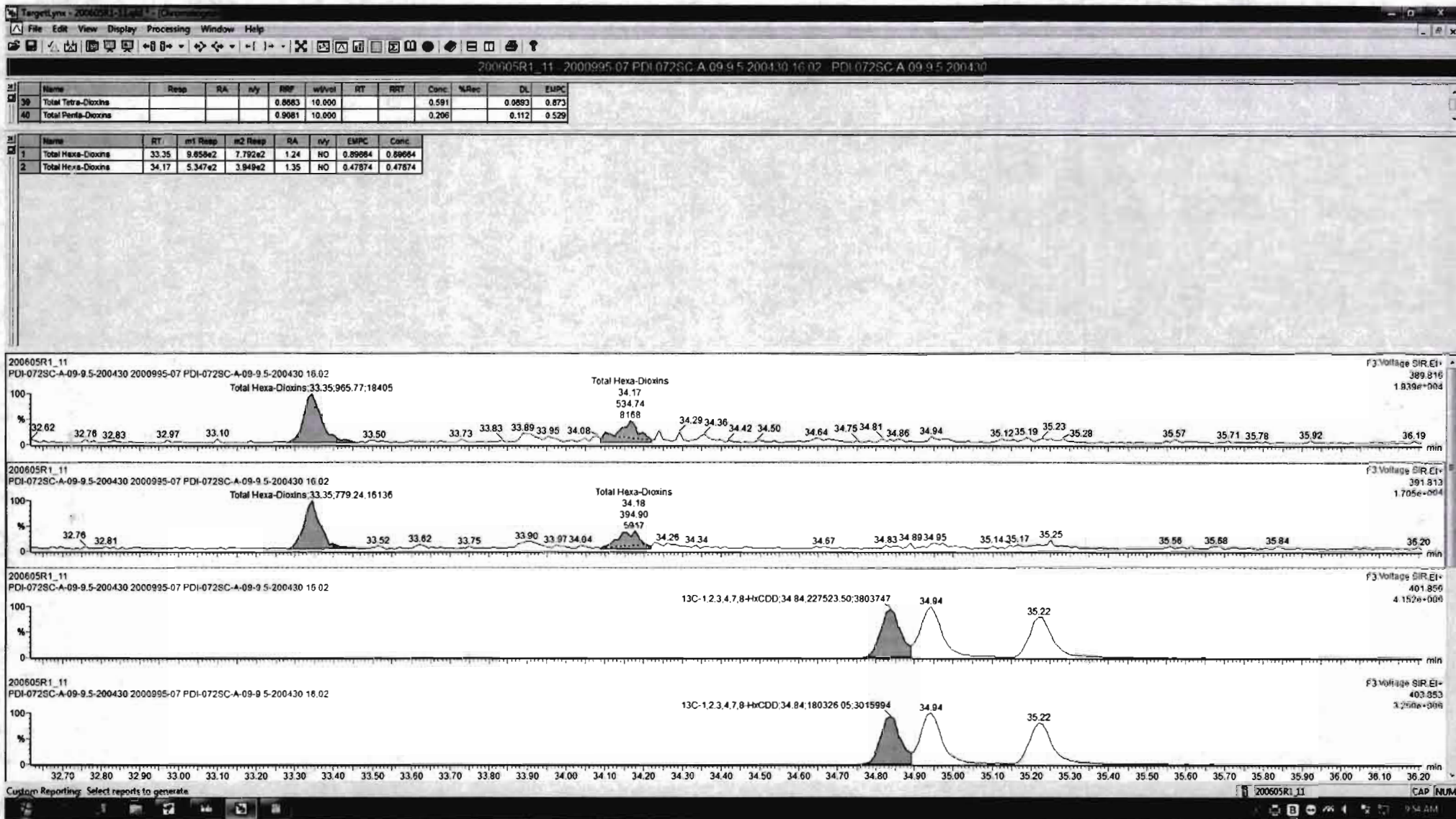
13C-1,2,3,4,7,8-HxCDD

200605R1_11



200605R1_11





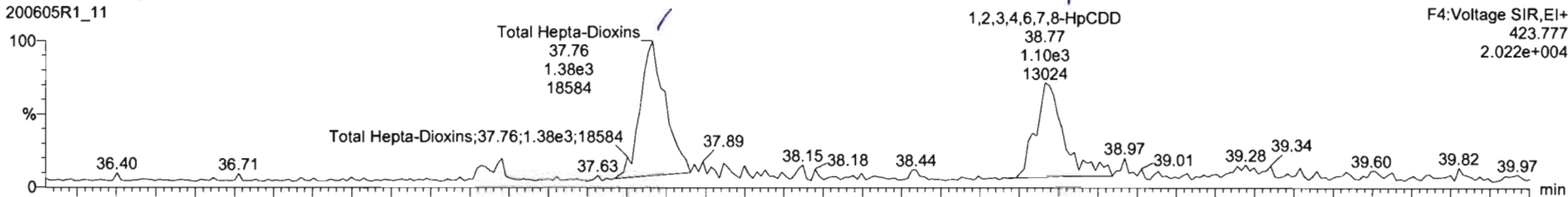
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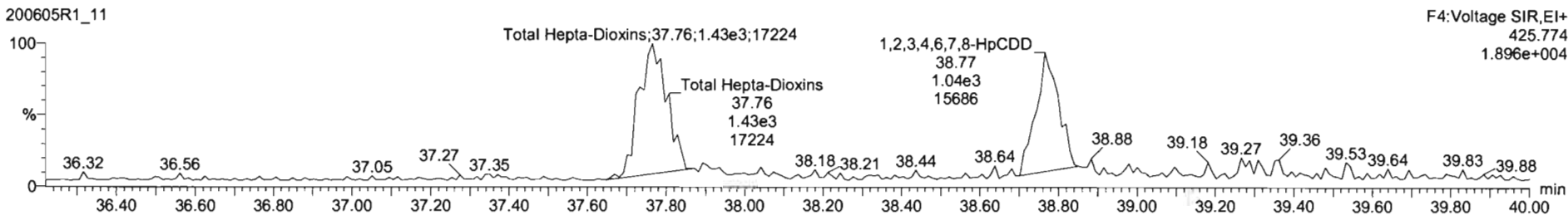
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1,2,3,4,6,7,8-HpCDD

200605R1_11

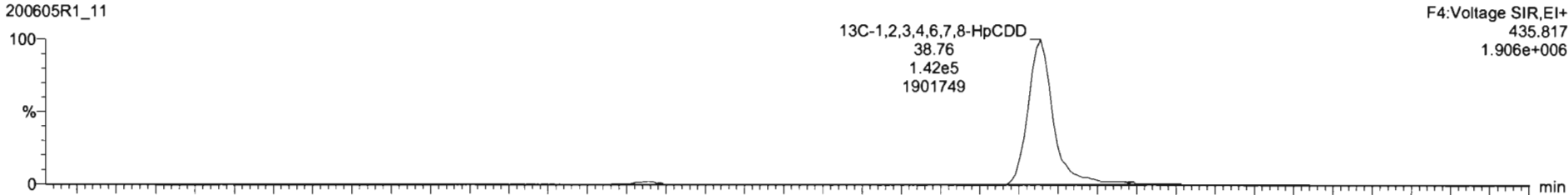


200605R1_11

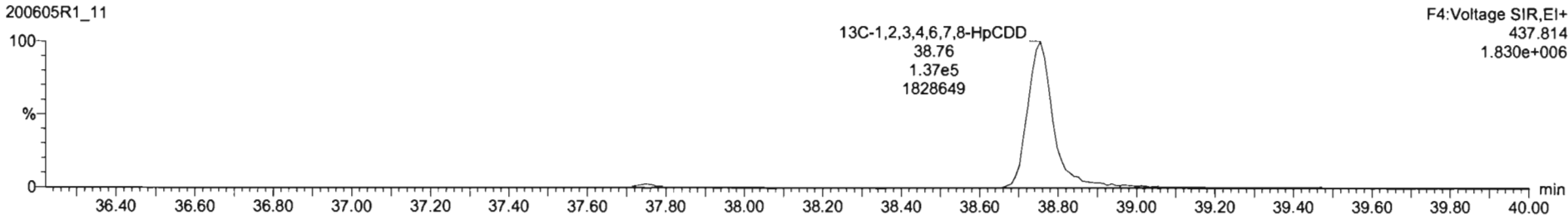


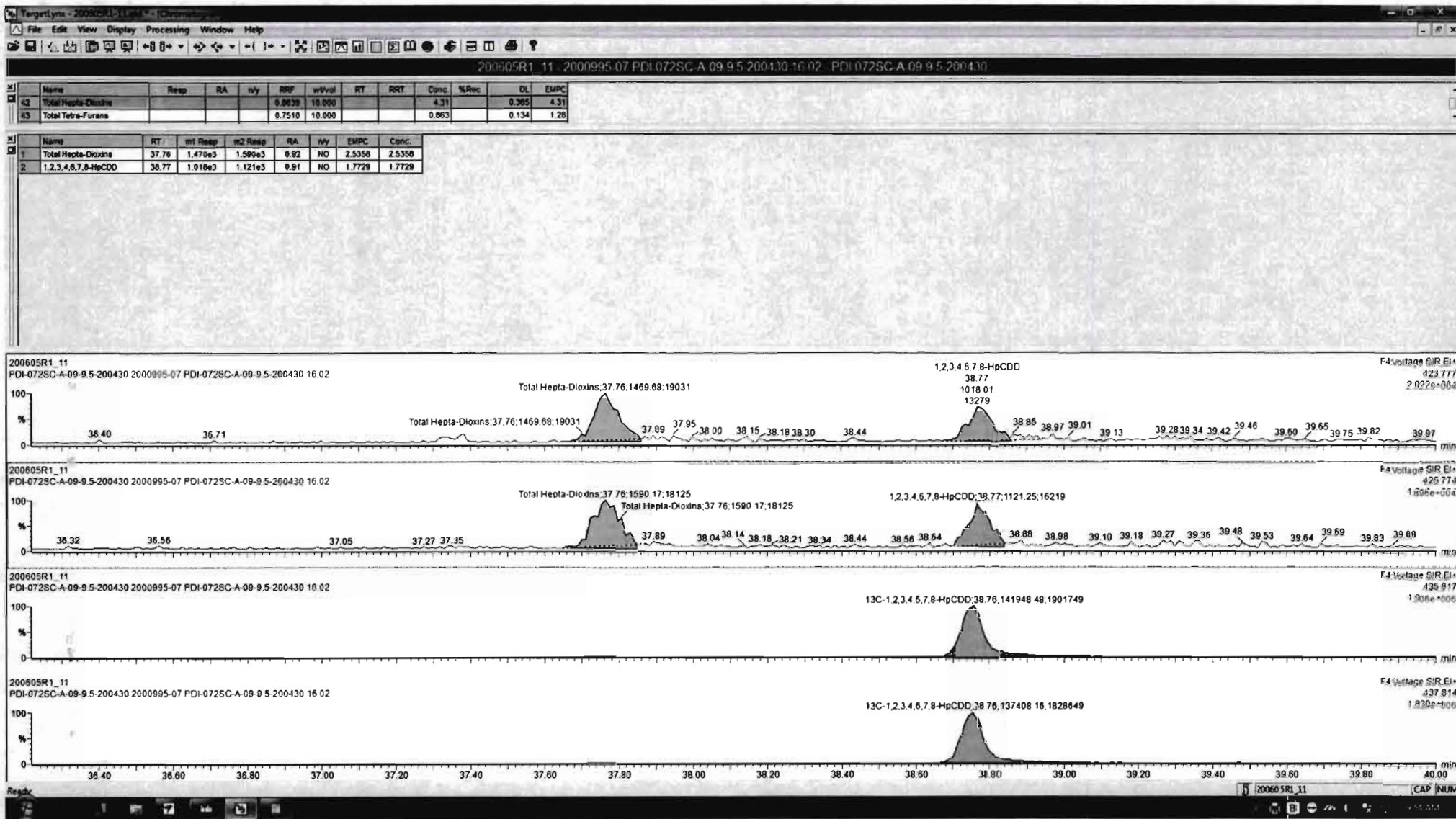
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200605R1_11



200605R1_11





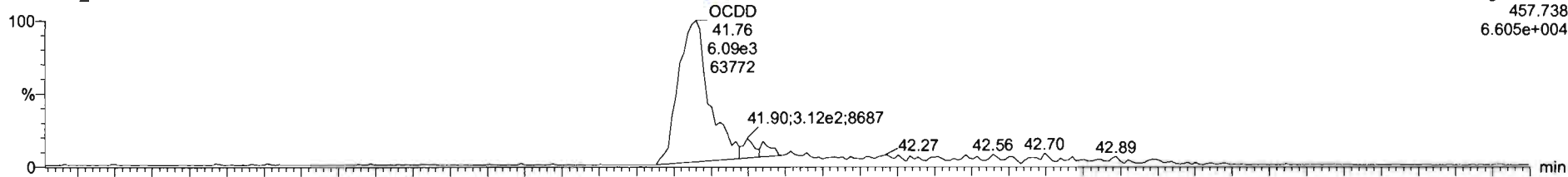
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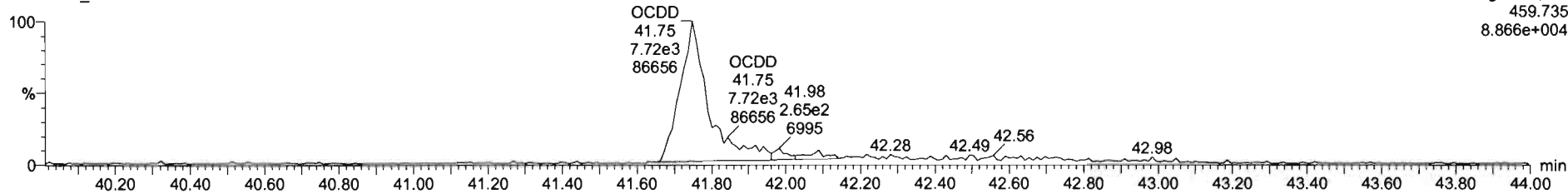
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OCDD

200605R1_11

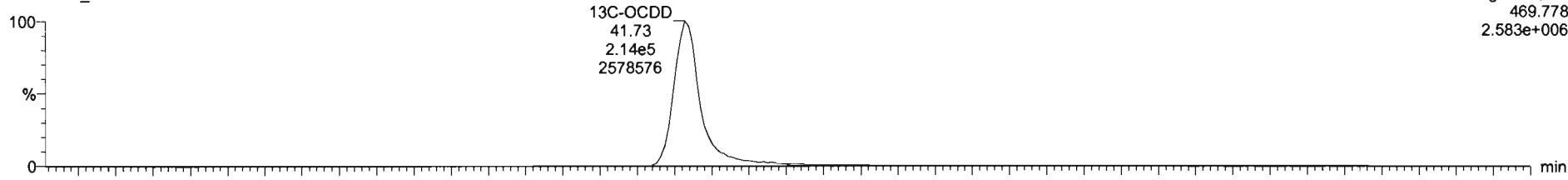


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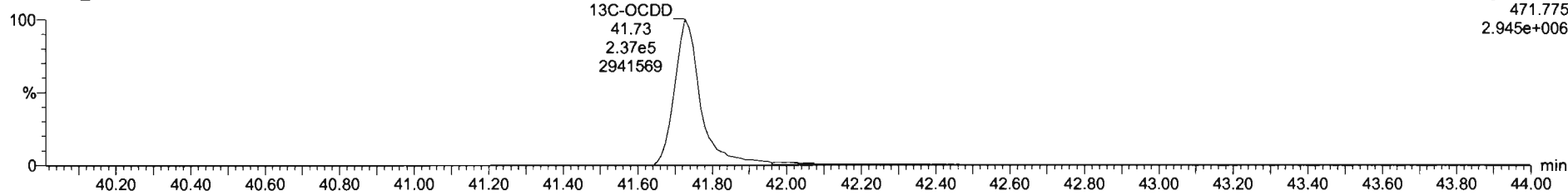


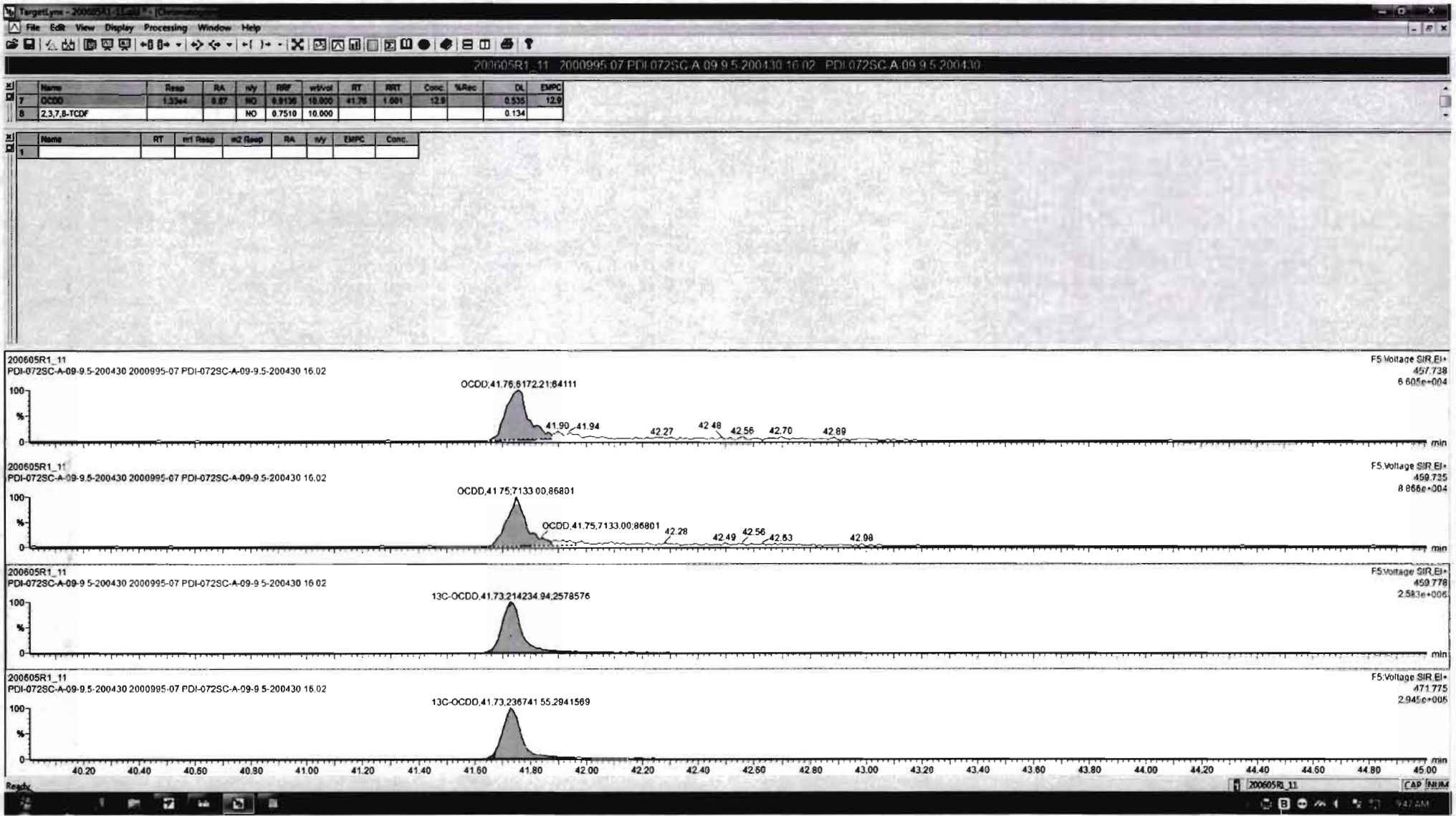
13C-OCDD

200605R1_11



200605R1_11



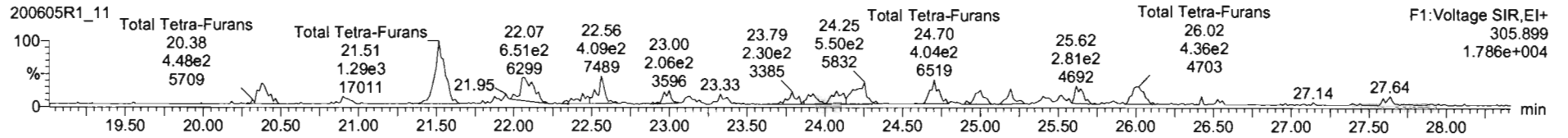
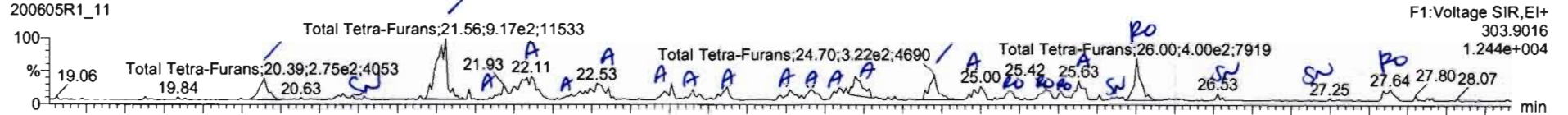


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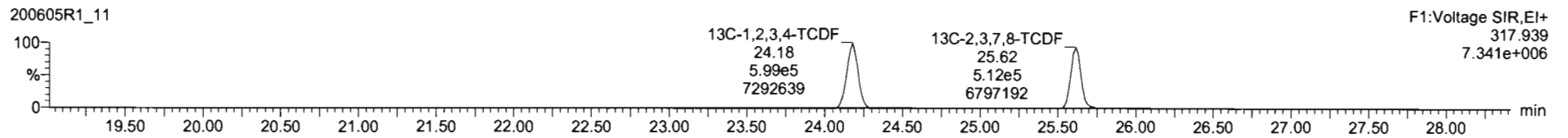
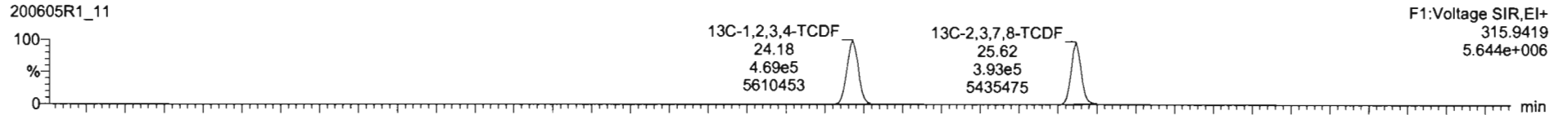
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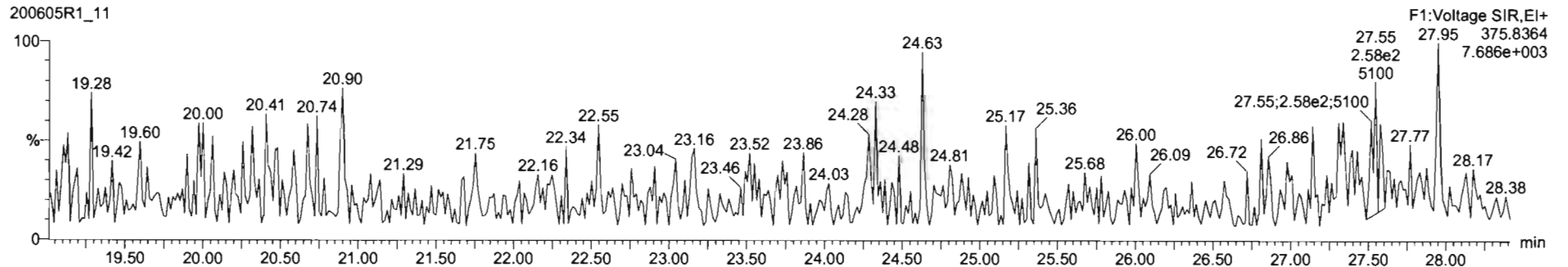
2,3,7,8-TCDF

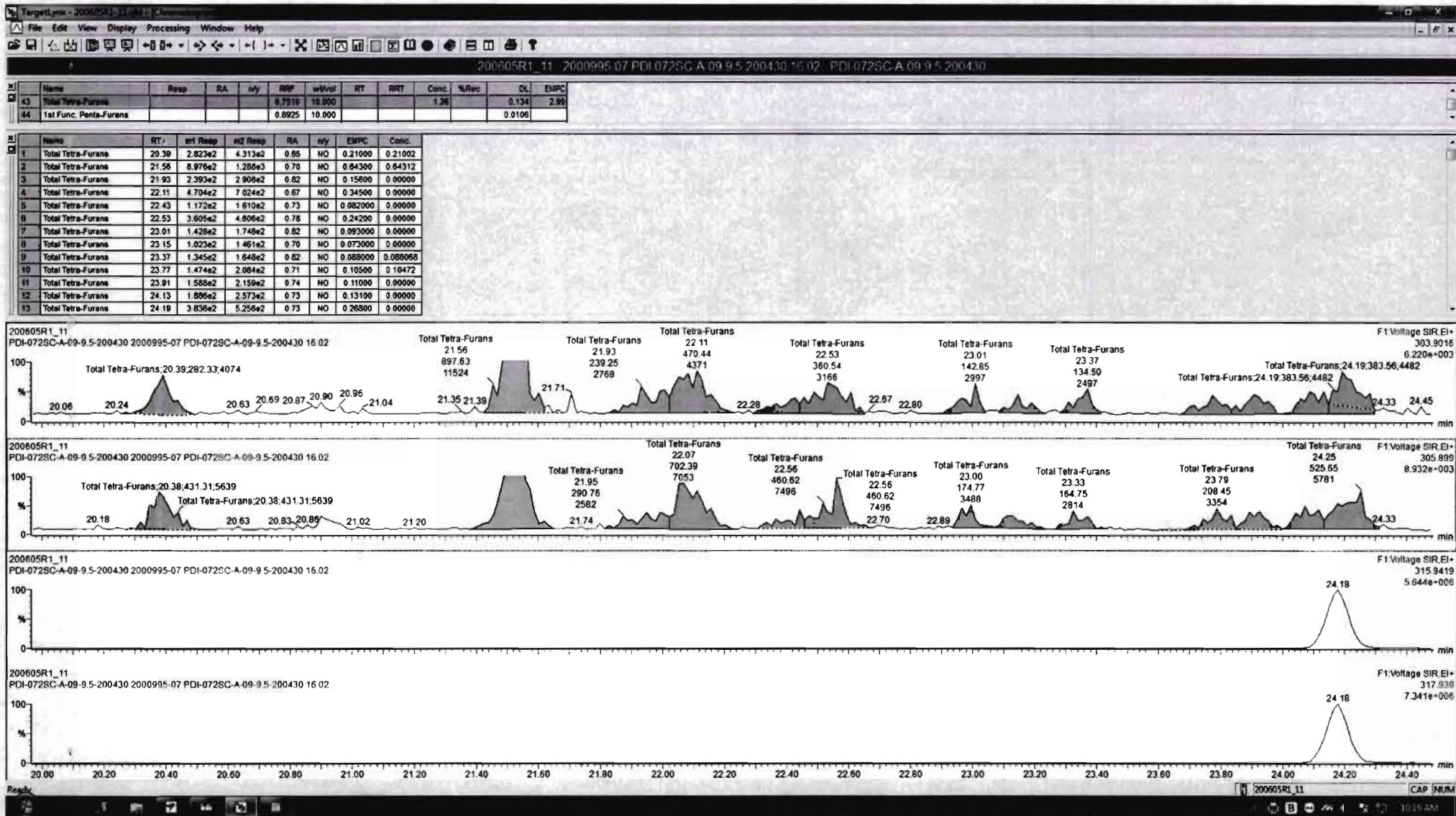


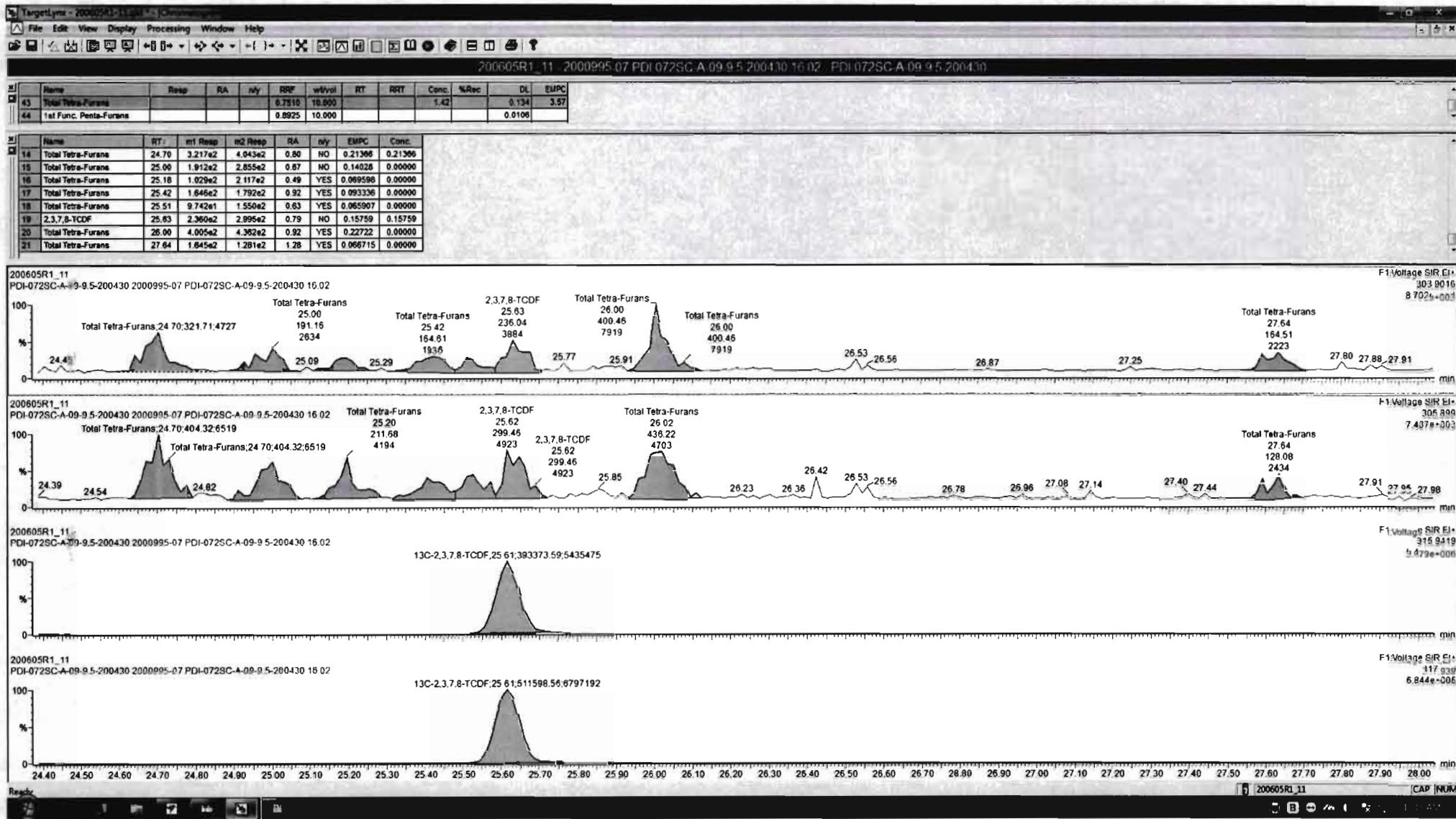
13C-2,3,7,8-TCDF



DPE1







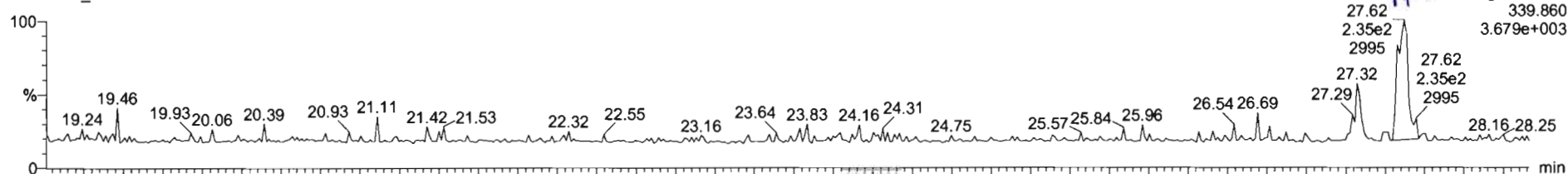
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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

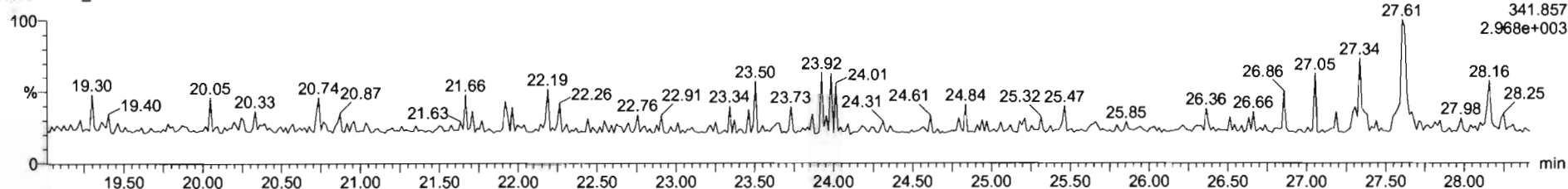
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200605R1_11

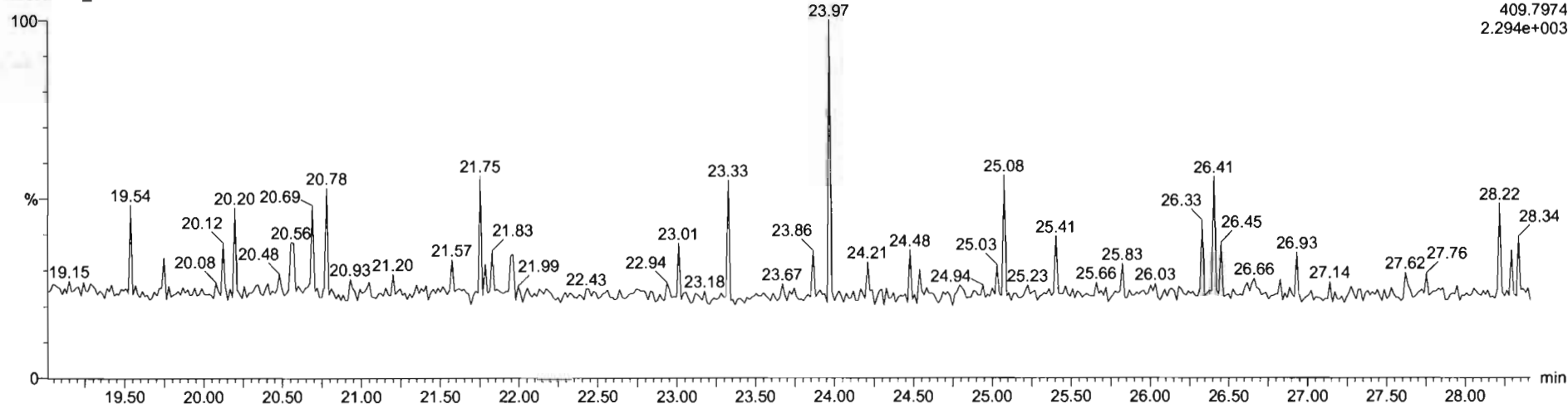


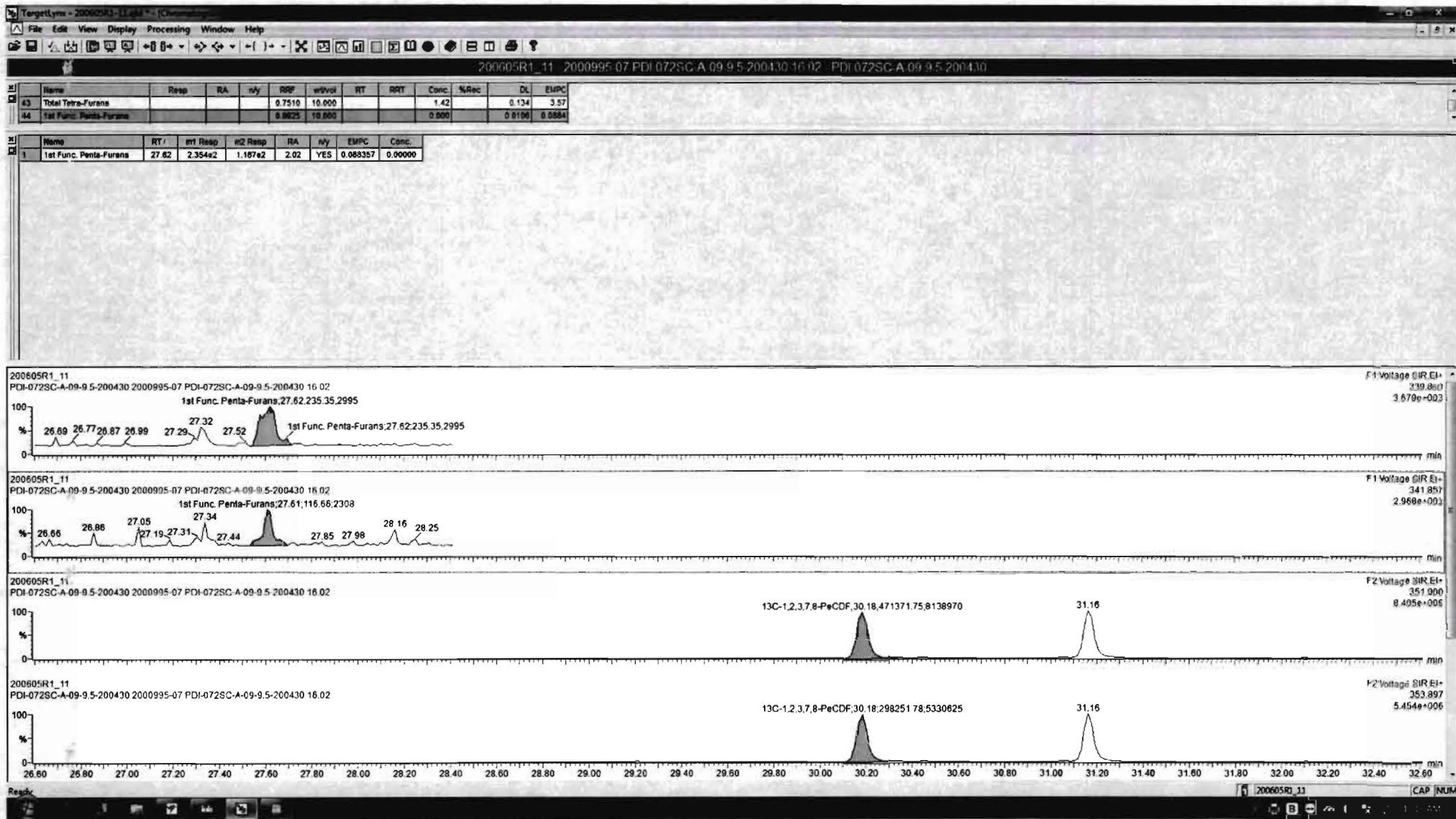
200605R1_11



DPE6

200605R1_11



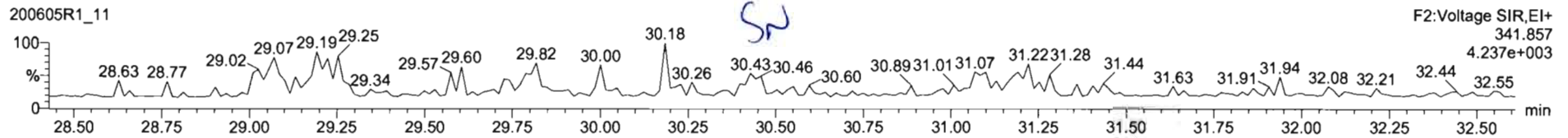
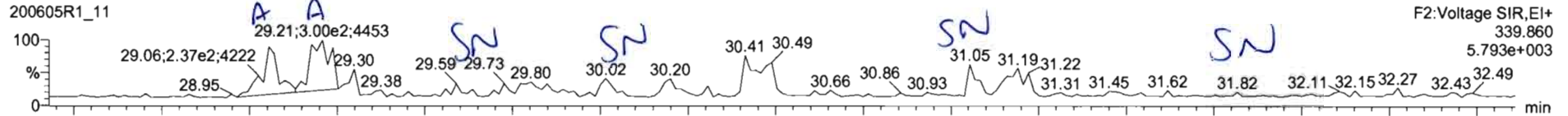


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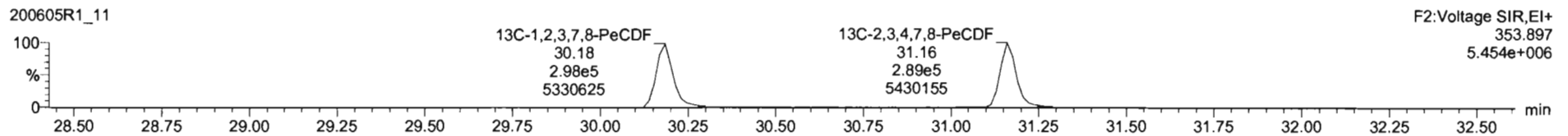
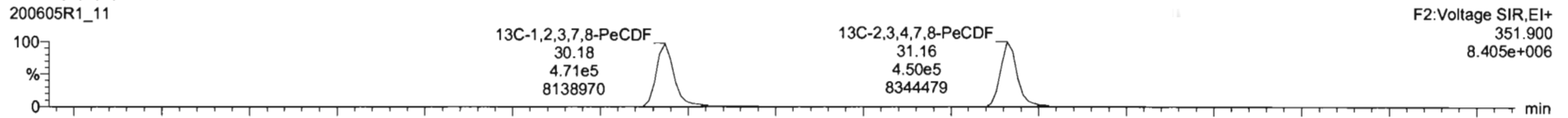
Last Altered: Sunday, June 07, 2020 08:21:27 Pacific Daylight Time
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Name: 200605R1_11, Date: 05-Jun-2020, Time: 17:36:27, ID: 2000995-07 PDI-072SC-A-09-9.5-200430 16.02, Description: PDI-072SC-A-09-9.5-200430

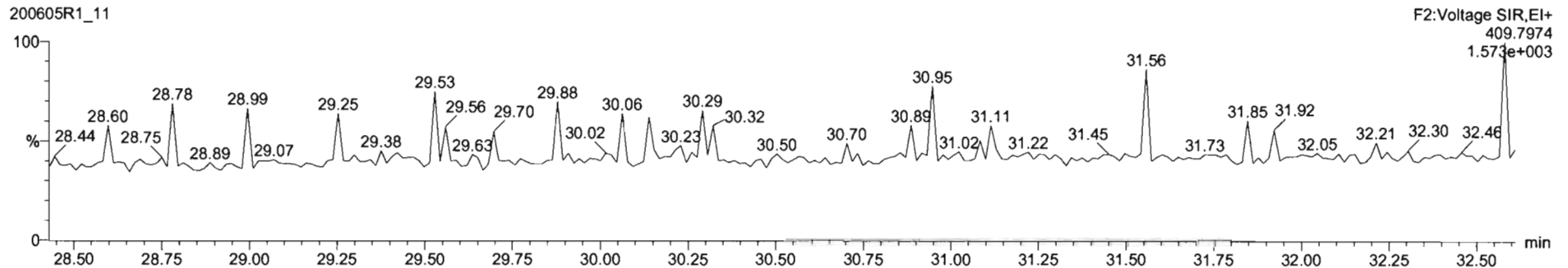
1,2,3,7,8-PeCDF

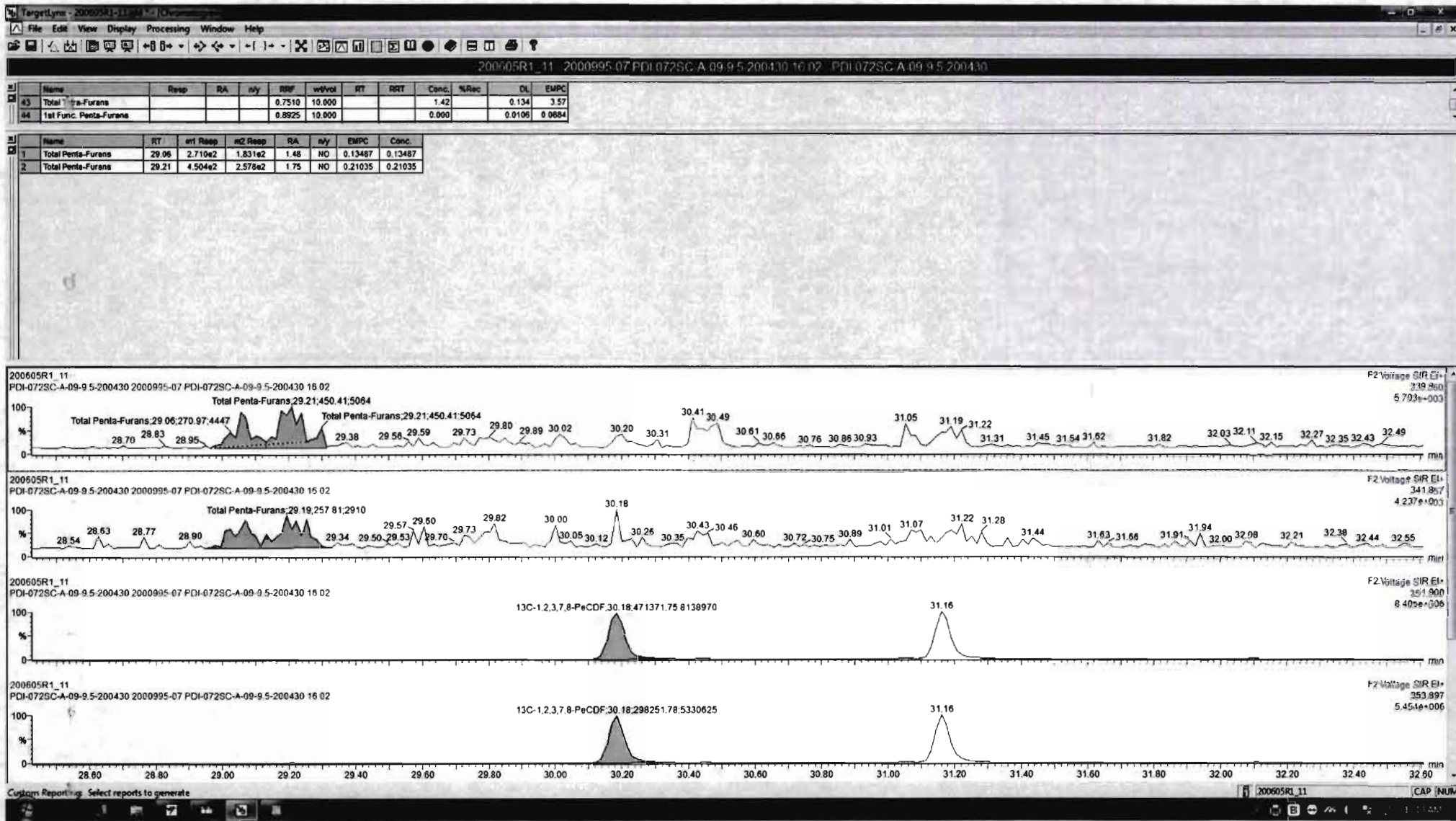


13C-1,2,3,7,8-PeCDF



DPE2



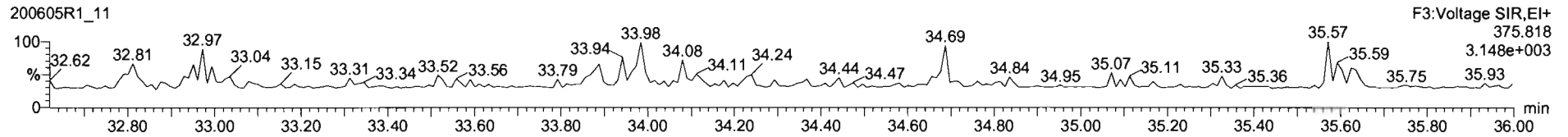
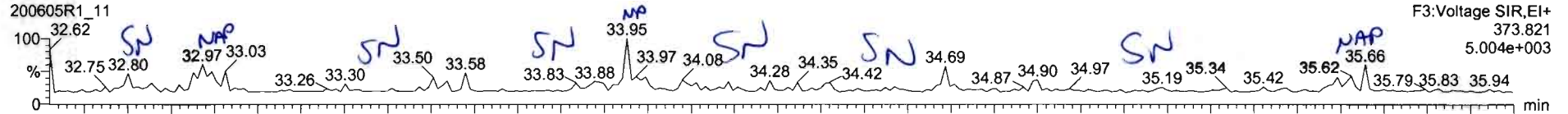


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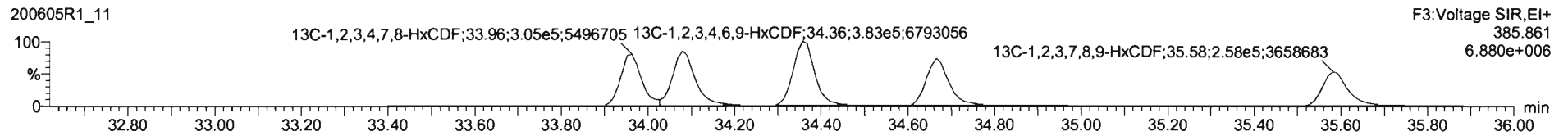
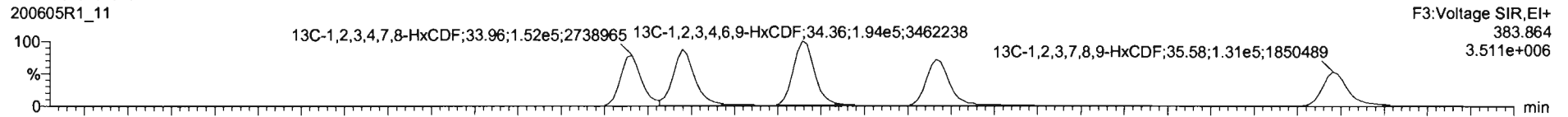
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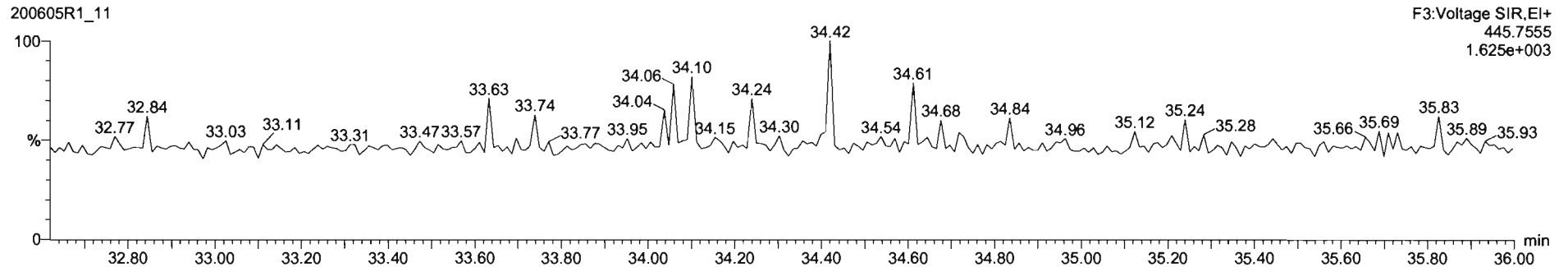
1,2,3,4,7,8-HxCDF

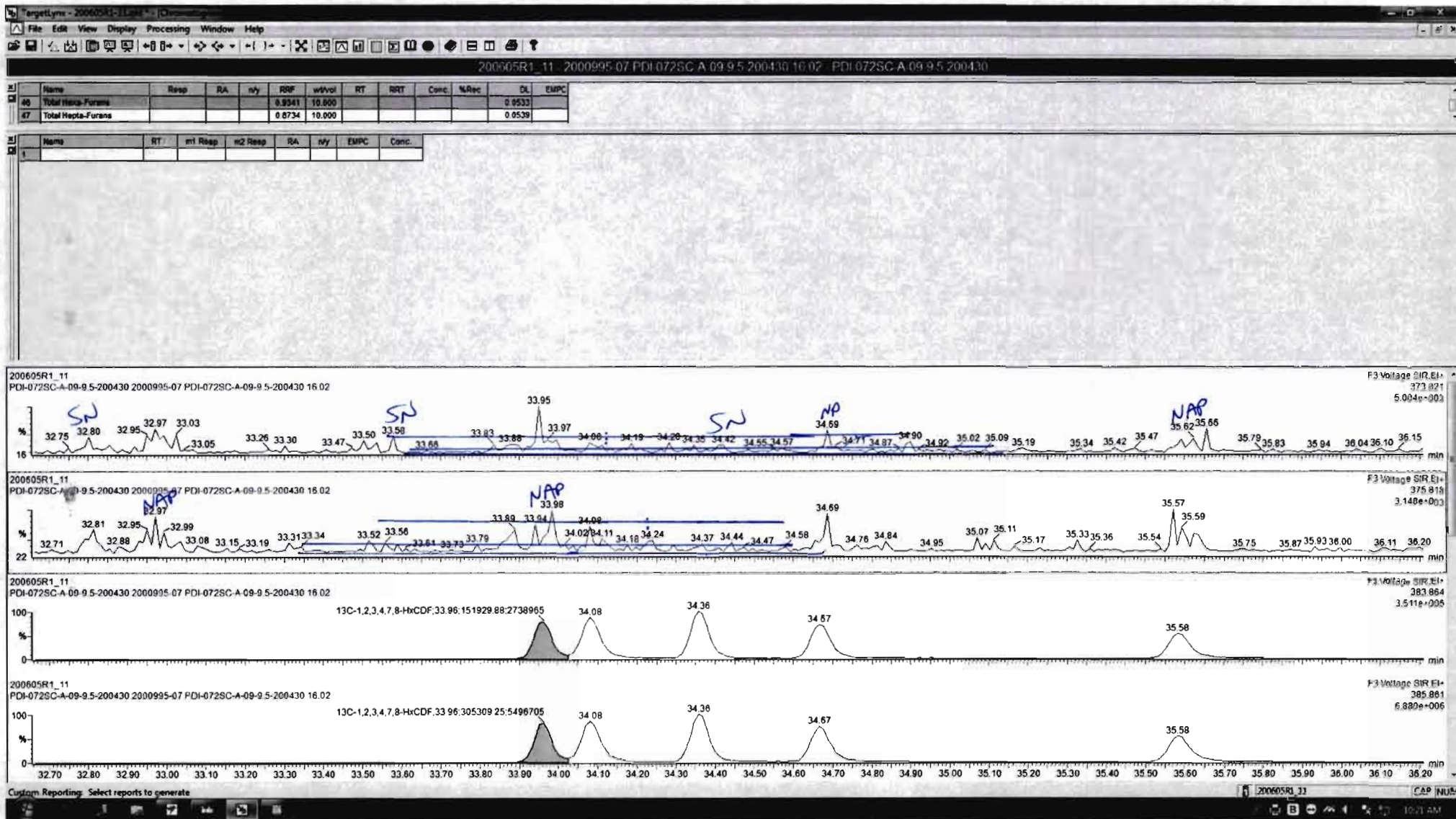


13C-1,2,3,4,7,8-HxCDF



DPE3



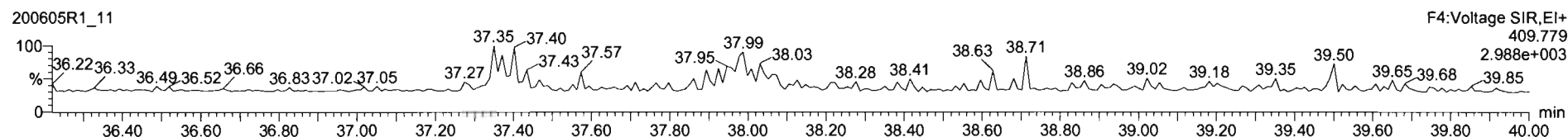
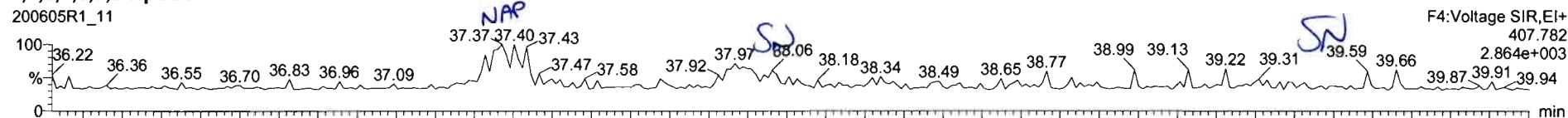


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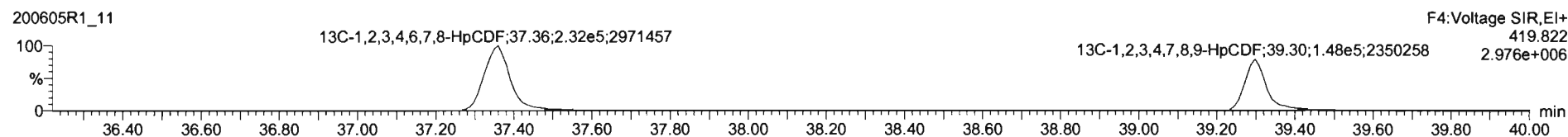
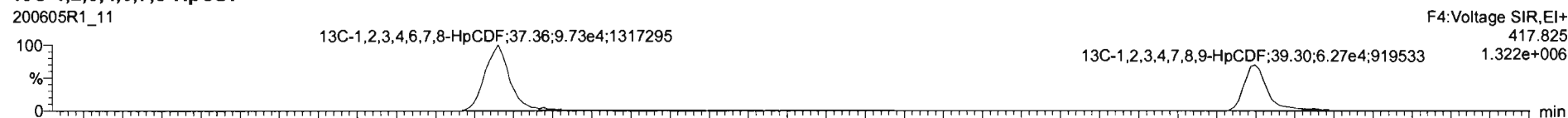
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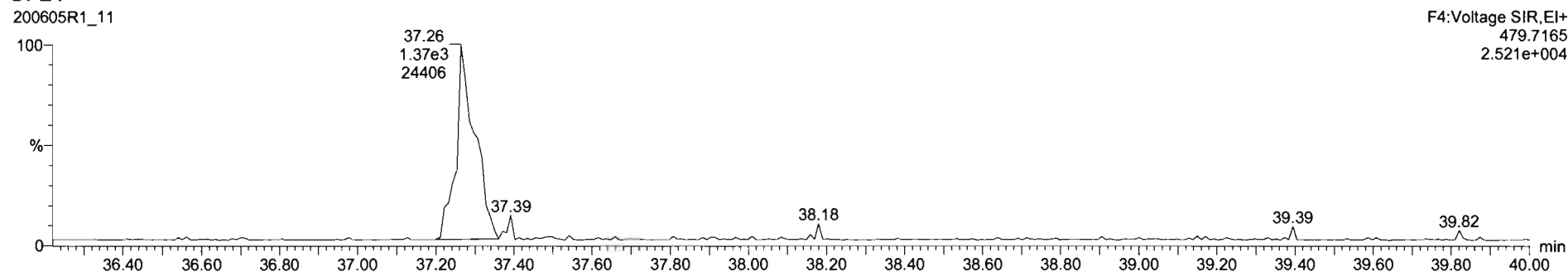
1,2,3,4,6,7,8-HpCDF



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



DPE4

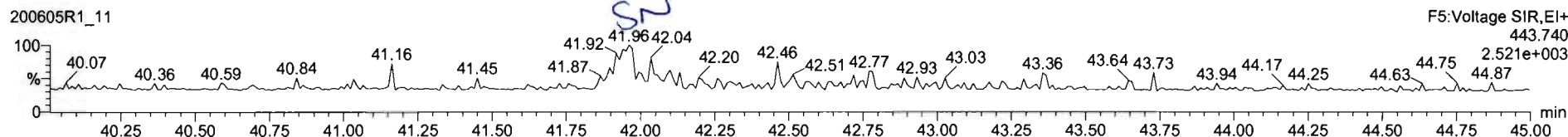
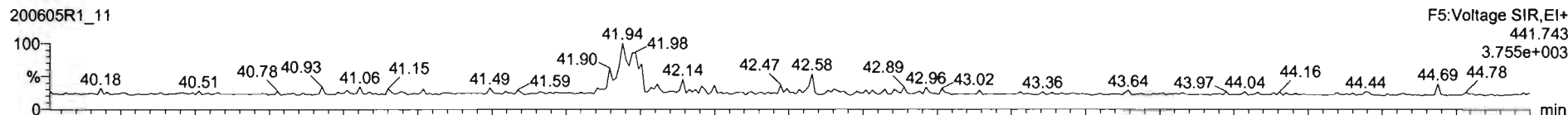


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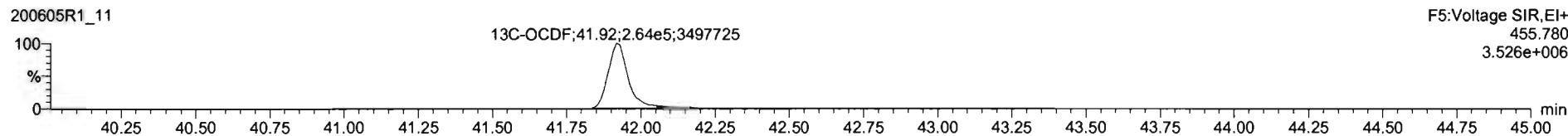
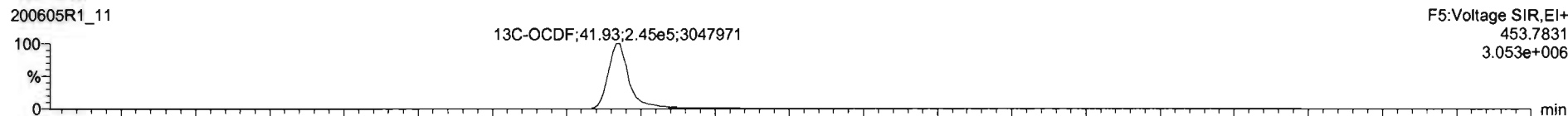
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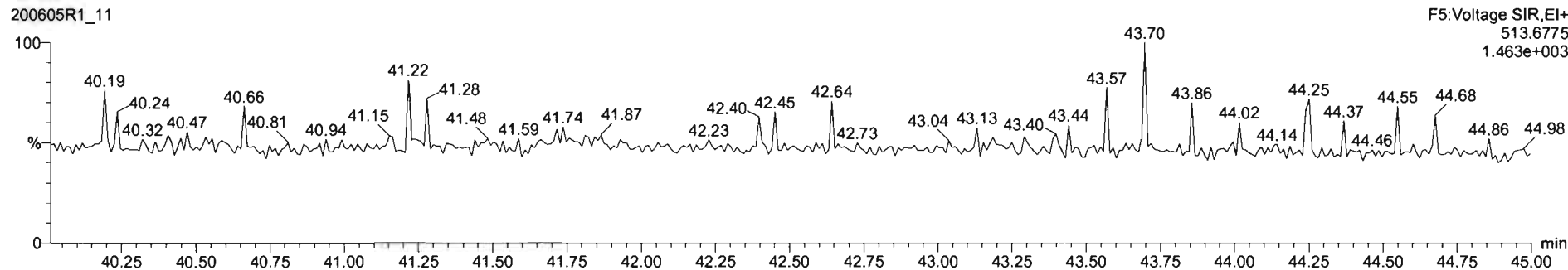
OCDF



13C-OCDF



DPE5

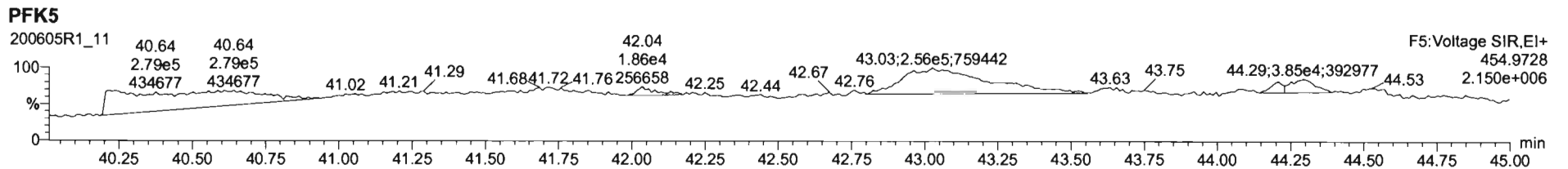
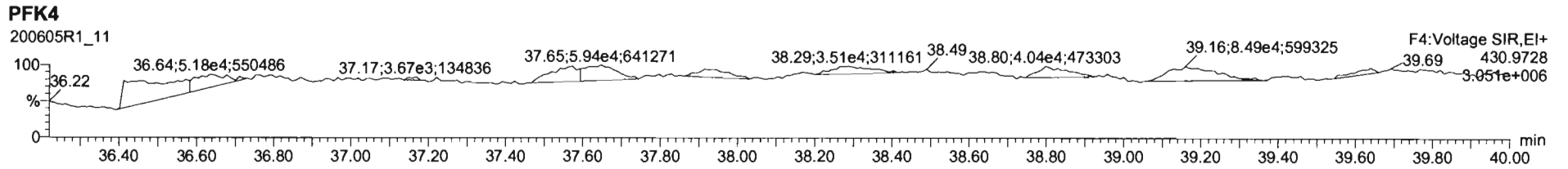
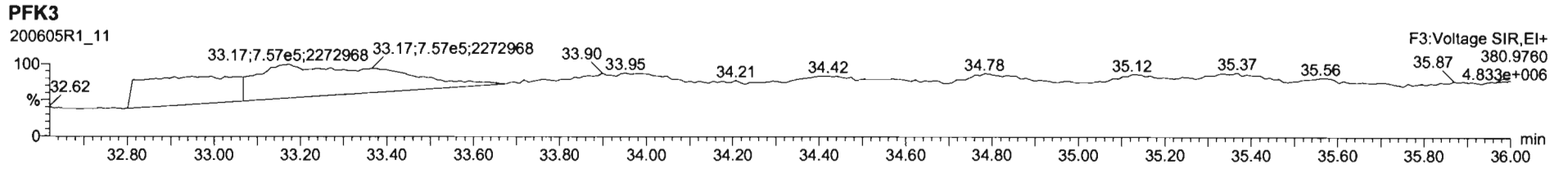
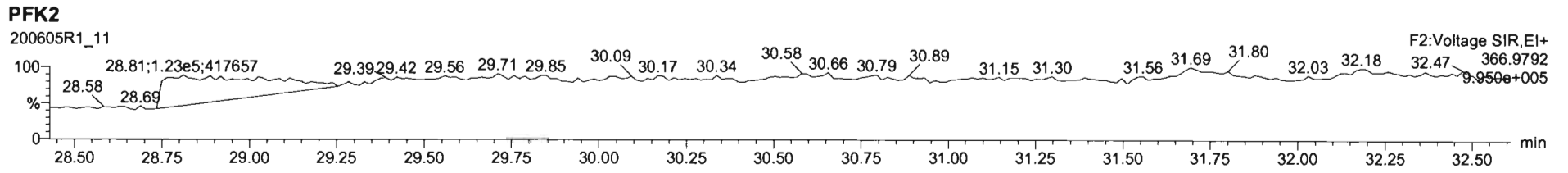
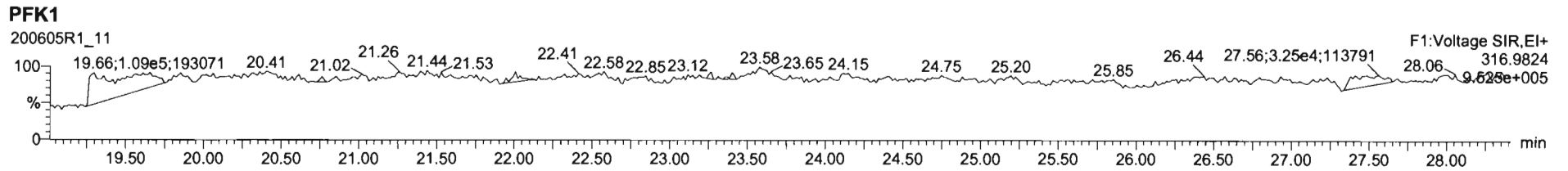


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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

Name: 200605R1_11, Date: 05-Jun-2020, Time: 17:36:27, ID: 2000995-07 PDI-072SC-A-09-9.5-200430 16.02, Description: PDI-072SC-A-09-9.5-200430



Dataset: U:\VG12.PRO\Results\200605R1\200605R1-12.qld

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GRB 06/11/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

CT06/15/2020

Name: 200605R1_12, Date: 05-Jun-2020, Time: 18:22:40, ID: 2000995-08 PDI-072SC-B-00-02-200430 18.83, Description: PDI-072SC-B-00-02-200430

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.78e3	0.68	NO	0.888	10.165 ✓	26.546	26.51	1.001	1.000	0.62943		0.132	0.629
2	1,2,3,7,8-PeCDD	2.12e3	0.62	NO	0.908	10.165	31.488	31.50	1.001	1.001	0.97722		0.124	0.977
3	1,2,3,4,7,8-HxCDD	3.18e3	1.23	NO	1.03	10.165	34.846	34.86	1.000	1.001	1.6814		0.260	1.68
4	1,2,3,6,7,8-HxCDD	2.42e4	1.25	NO	0.892	10.165	34.943	34.95	1.000	1.000	12.370		0.270	12.4
5	1,2,3,7,8,9-HxCDD	7.05e3	1.20	NO	0.887	10.165	35.231	35.23	1.000	1.000	4.1712		0.334	4.17
6	1,2,3,4,6,7,8-HpCDD	3.20e5	1.00	NO	0.864	10.165	38.767	38.77	1.000	1.000	262.00		1.05	262
7	OCDD	2.32e6	0.88	NO	0.914	10.165	41.748	41.76	1.000	1.000	2031.4		1.45	2030
8	2,3,7,8-TCDF	1.03e5	0.75	NO	0.751	10.165	25.641	25.63	1.001	1.001	33.163	(24.4)	0.258	33.2
9	1,2,3,7,8-PeCDF	1.58e5	1.54	NO	0.893	10.165	30.205	30.20	1.001	1.001	49.409		0.245	49.4
10	1,2,3,4,7,8-PeCDF	6.97e4	1.55	NO	0.935	10.165	31.192	31.18	1.001	1.000	21.391		0.229	21.4
11	1,2,3,4,7,8-HxCDF	2.11e5	1.20	NO	0.884	10.165	33.963	33.97	1.000	1.000	109.33		0.371	109
12	1,2,3,6,7,8-HxCDF	6.10e4	1.21	NO	0.889	10.165	34.090	34.10	1.000	1.001	27.322		0.336	27.3
13	2,3,4,6,7,8-HxCDF	1.37e4	1.15	NO	0.934	10.165	34.701	34.69	1.001	1.001	6.4580		0.360	6.46
14	1,2,3,7,8,9-HxCDF	1.38e4	1.12	NO	0.871	10.165	35.592	35.63	1.000	1.001	8.7445		0.578	8.74
15	1,2,3,4,6,7,8-HpCDF	7.94e4	1.05	NO	0.873	10.165	37.386	37.36	1.001	1.000	58.162		0.500	58.2
16	1,2,3,4,7,8,9-HpCDF	1.66e4	1.00	NO	1.01	10.165	39.299	39.32	1.000	1.001	15.310		0.576	15.3
17	OCDF	1.33e5	0.86	NO	0.806	10.165	41.940	41.95	1.000	1.000	117.31		0.458	117
18	13C-2,3,7,8-TCDD	6.28e5	0.79	NO	1.16	10.165	26.538	26.51	1.026	1.025	134.83	68.5	0.209	
19	13C-1,2,3,7,8-PeCDD	4.70e5	0.64	NO	0.849	10.165	31.729	31.47	1.227	1.217	137.55	69.9	0.440	
20	13C-1,2,3,4,7,8-HxCDD	3.60e5	1.27	NO	0.779	10.165	34.852	34.84	1.014	1.014	143.08	72.7	0.551	
21	13C-1,2,3,6,7,8-HxCDD	4.31e5	1.28	NO	1.02	10.165	34.965	34.94	1.017	1.017	131.07	66.6	0.422	
22	13C-1,2,3,7,8,9-HxCDD	3.75e5	1.26	NO	0.903	10.165	35.236	35.22	1.025	1.025	128.52	65.3	0.476	
23	13C-1,2,3,4,6,7,8-HpCDD	2.78e5	1.03	NO	0.689	10.165	38.763	38.76	1.128	1.128	124.94	63.5	0.533	
24	13C-OCDD	4.92e5	0.88	NO	0.652	10.165	41.787	41.75	1.216	1.215	233.54	59.3	0.502	
25	13C-2,3,7,8-TCDF	8.14e5	0.80	NO	1.06	10.165	25.578	25.61	0.989	0.991	131.54	66.9	0.286	
26	13C-1,2,3,7,8-PeCDF	7.07e5	1.62	NO	0.838	10.165	30.111	30.18	1.165	1.167	144.39	73.4	0.504	
27	13C-2,3,4,7,8-PeCDF	6.86e5	1.60	NO	0.817	10.165	31.065	31.16	1.202	1.205	143.74	73.1	0.517	
28	13C-1,2,3,4,7,8-HxCDF	4.29e5	0.51	NO	1.01	10.165	33.982	33.96	0.989	0.988	131.88	67.0	0.745	
29	13C-1,2,3,6,7,8-HxCDF	4.94e5	0.50	NO	1.17	10.165	34.106	34.08	0.992	0.992	130.95	66.6	0.643	
30	13C-2,3,4,6,7,8-HxCDF	4.47e5	0.50	NO	1.02	10.165	34.680	34.67	1.009	1.009	135.37	68.8	0.735	
31	13C-1,2,3,7,8,9-HxCDF	3.57e5	0.53	NO	0.860	10.165	35.580	35.59	1.035	1.036	128.41	65.3	0.873	

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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	3.08e5	0.40	NO	0.774	10.165	37.329	37.35	1.086	1.087	122.93	62.5	0.511	
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.11e5	0.41	NO	0.521	10.165	39.361	39.30	1.145	1.144	125.25	63.7	0.759	
34	34 13C-OCDF	5.53e5	0.89	NO	0.746	10.165	41.959	41.94	1.221	1.220	229.46	58.3	0.518	
35	35 37Cl-2,3,7,8-TCDD	2.42e5			1.04	10.165	26.569	26.53	1.028	1.026	57.976	73.7	0.0920	
36	36 13C-1,2,3,4-TCDD	7.92e5	0.79	NO	1.00	10.165	25.890	25.85	1.000	1.000	196.75	100	0.242	
37	37 13C-1,2,3,4-TCDF	1.15e6	0.78	NO	1.00	10.165	24.360	24.18	1.000	1.000	196.75	100	0.303	
38	38 13C-1,2,3,4,6,9-HxCDF	6.36e5	0.52	NO	1.00	10.165	34.420	34.37	1.000	1.000	196.75	100	0.751	
39	39 Total Tetra-Dioxins				0.888	10.165	24.620		0.000		6.9102		0.132	7.19
40	40 Total Penta-Dioxins				0.908	10.165	29.960		0.000		8.1441		0.124	10.6
41	41 Total Hexa-Dioxins				0.892	10.165	33.635		0.000		83.091		0.300	83.1
42	42 Total Hepta-Dioxins				0.864	10.165	37.640		0.000		572.59		1.05	573
43	43 Total Tetra-Furans				0.751	10.165	23.610		0.000		104.02		0.258	104
44	44 1st Func. Penta-Furans				0.893	10.165	27.580		0.000		13.897		0.0403	13.9
45	45 Total Penta-Furans				0.893	10.165	29.275		0.000		127.44		0.243	128
46	46 Total Hexa-Furans				0.934	10.165	33.555		0.000		224.92		0.383	226
47	47 Total Hepta-Furans				0.873	10.165	37.835		0.000		185.58		0.568	186

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Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

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Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.52	2.268e4	2.593e4	2.094e3	2.478e3	0.85	NO	4.573e3	1.6130	1.6130	0.132
2	Total Tetra-Dioxins	22.95	1.303e4	1.230e4	9.033e2	1.132e3	0.80	NO	2.035e3	0.71779	0.71779	0.132
3	Total Tetra-Dioxins	23.48	4.034e3	7.826e3	4.436e2	6.135e2	0.72	NO	1.057e3	0.37288	0.37288	0.132
4	Total Tetra-Dioxins	24.34	6.934e3	6.688e3	3.839e2	4.875e2	0.79	NO	8.713e2	0.30736	0.30736	0.132
5	Total Tetra-Dioxins	24.60	4.245e3	5.167e3	4.248e2	4.936e2	0.86	NO	9.184e2	0.32397	0.32397	0.132
6	Total Tetra-Dioxins	24.81	9.520e3	8.966e3	6.152e2	7.103e2	0.87	NO	1.325e3	0.46757	0.46757	0.132
7	Total Tetra-Dioxins	25.02	3.329e3	3.150e3	2.123e2	2.012e2	1.06	YES	0.000e0	0.00000	0.12560	0.132
8	Total Tetra-Dioxins	25.30	4.655e3	3.392e3	2.577e2	2.397e2	1.08	YES	0.000e0	0.00000	0.14965	0.132
9	Total Tetra-Dioxins	25.51	3.099e3	5.652e3	2.440e2	3.502e2	0.70	NO	5.942e2	0.20962	0.20962	0.132
10	Total Tetra-Dioxins	25.85	3.252e3	3.613e3	2.863e2	3.261e2	0.88	NO	6.124e2	0.21603	0.21603	0.132
11	Total Tetra-Dioxins	26.26	3.011e4	4.318e4	2.234e3	3.077e3	0.73	NO	5.311e3	1.8735	1.8735	0.132
12	2,3,7,8-TCDD	26.51	9.105e3	1.645e4	7.218e2	1.063e3	0.68	NO	1.784e3	0.62943	0.62943	0.132
13	Total Tetra-Dioxins	26.86	3.847e3	5.131e3	2.060e2	3.017e2	0.68	NO	5.076e2	0.17907	0.17907	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	29.27	3.374e4	5.716e4	2.656e3	4.414e3	0.60	NO	7.071e3	3.2575	3.2575	0.124
2	Total Penta-Dioxins	29.76	8.718e3	2.616e4	5.410e2	1.121e3	0.48	YES	0.000e0	0.00000	0.64482	0.124
3	Total Penta-Dioxins	30.23	1.712e4	3.021e4	1.292e3	1.787e3	0.72	NO	3.078e3	1.4182	1.4182	0.124
4	Total Penta-Dioxins	30.40	2.266e4	3.081e4	1.045e3	1.631e3	0.64	NO	2.677e3	1.2331	1.2331	0.124
5	Total Penta-Dioxins	30.47	9.642e3	1.930e4	5.421e2	8.496e2	0.64	NO	1.392e3	0.64115	0.64115	0.124
6	Total Penta-Dioxins	30.72	1.557e4	2.060e4	8.053e2	1.163e3	0.69	NO	0.000e0	0.00000	0.90661	0.124
7	Total Penta-Dioxins	30.76	8.091e3	1.697e4	3.727e2	6.932e2	0.54	NO	0.000e0	0.00000	0.49104	0.124
8	Total Penta-Dioxins	31.05	3.320e3	6.844e3	2.177e2	3.973e2	0.55	NO	6.150e2	0.28333	0.28333	0.124
9	1,2,3,7,8-PeCDD	31.50	1.376e4	2.242e4	8.148e2	1.306e3	0.62	NO	2.121e3	0.97722	0.97722	0.124
10	Total Penta-Dioxins	31.56	5.571e3	7.741e3	3.295e2	4.692e2	0.70	NO	0.000e0	0.00000	0.36795	0.124
11	Total Penta-Dioxins	31.86	4.810e3	8.996e3	2.646e2	4.598e2	0.58	NO	7.244e2	0.33373	0.33373	0.124

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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	33.35	4.674e5	3.859e5	2.440e4	1.941e4	1.26	NO	4.381e4	24.864	24.864	0.300
2	Total Hexa-Dioxins	33.90	5.129e4	4.566e4	2.808e3	2.268e3	1.24	NO	5.077e3	2.8812	2.8812	0.300
3	Total Hexa-Dioxins	34.17	4.930e5	3.750e5	3.234e4	2.619e4	1.23	NO	5.853e4	33.219	33.219	0.300
4	Total Hexa-Dioxins	34.27	3.945e4	4.192e4	2.531e3	2.249e3	1.13	NO	4.780e3	2.7129	2.7129	0.300
5	1,2,3,4,7,8-HxCDD	34.86	3.059e4	2.437e4	1.757e3	1.423e3	1.23	NO	3.180e3	1.6814	1.6814	0.260
6	1,2,3,6,7,8-HxCDD	34.95	2.185e5	1.667e5	1.341e4	1.075e4	1.25	NO	2.415e4	12.370	12.370	0.270
7	Total Hexa-Dioxins	35.15	2.310e4	1.783e4	1.176e3	9.218e2	1.28	NO	2.098e3	1.1906	1.1906	0.300
8	1,2,3,7,8,9-HxCDD	35.23	5.556e4	4.703e4	3.850e3	3.198e3	1.20	NO	7.048e3	4.1712	4.1712	0.334

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.75	2.392e6	2.369e6	1.914e5	1.880e5	1.02	NO	3.794e5	310.59	310.59	1.05
2	1,2,3,4,6,7,8-HpCDD	38.77	2.321e6	2.233e6	1.601e5	1.600e5	1.00	NO	3.201e5	262.00	262.00	1.05

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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	20.39	5.619e3	5.235e3	3.534e2	4.501e2	0.79	NO	8.035e2	0.25873	0.25873	0.258
2	Total Tetra-Furans	20.92	1.161e4	1.372e4	9.983e2	1.182e3	0.84	NO	2.180e3	0.70202	0.70202	0.258
3	Total Tetra-Furans	21.51	5.257e4	6.584e4	4.683e3	5.866e3	0.80	NO	1.055e4	3.3968	3.3968	0.258
4	Total Tetra-Furans	21.99	9.604e3	1.643e4	7.443e2	1.031e3	0.72	NO	1.775e3	0.57150	0.57150	0.258
5	Total Tetra-Furans	22.10	2.374e4	3.517e4	2.839e3	3.898e3	0.73	NO	6.736e3	2.1691	2.1691	0.258
6	Total Tetra-Furans	22.41	1.468e4	2.370e4	7.043e2	1.022e3	0.69	NO	1.727e3	0.55597	0.55597	0.258
7	Total Tetra-Furans	22.50	1.099e5	1.487e5	1.049e4	1.374e4	0.76	NO	2.423e4	7.8021	7.8021	0.258
8	Total Tetra-Furans	22.98	4.232e4	5.607e4	3.917e3	5.332e3	0.73	NO	9.250e3	2.9784	2.9784	0.258
9	Total Tetra-Furans	23.15	1.247e4	1.362e4	8.579e2	1.040e3	0.83	NO	1.898e3	0.61112	0.61112	0.258
10	Total Tetra-Furans	23.34	2.493e4	3.219e4	2.241e3	2.848e3	0.79	NO	5.090e3	1.6389	1.6389	0.258
11	Total Tetra-Furans	23.82	5.697e3	8.828e3	5.564e2	8.203e2	0.68	NO	1.377e3	0.44332	0.44332	0.258
12	Total Tetra-Furans	23.95	7.157e3	9.896e3	7.040e2	8.065e2	0.87	NO	1.511e3	0.48639	0.48639	0.258
13	Total Tetra-Furans	24.12	2.735e4	3.923e4	1.874e3	2.481e3	0.76	NO	4.355e3	1.4023	1.4023	0.258
14	Total Tetra-Furans	24.19	6.148e4	8.032e4	6.218e3	8.180e3	0.76	NO	1.440e4	4.6363	4.6363	0.258
15	Total Tetra-Furans	24.70	5.161e5	6.418e5	3.961e4	5.255e4	0.75	NO	9.215e4	29.674	29.674	0.258
16	Total Tetra-Furans	24.81	1.454e4	1.360e4	6.455e2	8.113e2	0.80	NO	1.457e3	0.46908	0.46908	0.258
17	Total Tetra-Furans	25.00	2.648e4	3.998e4	2.309e3	2.892e3	0.80	NO	5.201e3	1.6747	1.6747	0.258
18	Total Tetra-Furans	25.21	5.767e3	8.848e3	5.271e2	7.308e2	0.72	NO	1.258e3	0.40506	0.40506	0.258
19	Total Tetra-Furans	25.42	1.538e4	2.019e4	9.868e2	1.207e3	0.82	NO	2.194e3	0.70639	0.70639	0.258
20	Total Tetra-Furans	25.53	9.263e4	1.147e5	5.253e3	7.159e3	0.73	NO	1.241e4	3.9966	3.9966	0.258
21	2,3,7,8-TCDF	25.63	5.592e5	7.764e5	4.409e4	5.890e4	0.75	NO	1.030e5	33.163	33.163	0.258
22	Total Tetra-Furans	25.75	1.492e4	2.403e4	1.333e3	1.784e3	0.75	NO	3.117e3	1.0038	1.0038	0.258
23	Total Tetra-Furans	26.02	3.897e4	4.814e4	2.596e3	3.564e3	0.73	NO	6.160e3	1.9834	1.9834	0.258
24	Total Tetra-Furans	26.24	5.679e3	8.630e3	5.217e2	6.852e2	0.76	NO	1.207e3	0.38862	0.38862	0.258
25	Total Tetra-Furans	27.64	6.148e4	7.444e4	4.223e3	4.801e3	0.88	NO	9.023e3	2.9055	2.9055	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	27.62	4.108e5	2.685e5	2.707e4	1.681e4	1.61	NO	4.389e4	13.897	13.897	0.0403

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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	29.07	4.080e4	2.378e4	2.586e3	1.763e3	1.47	NO	4.349e3	1.3772	1.3772	0.243
2	Total Penta-Furans	29.21	7.226e5	4.755e5	4.535e4	2.943e4	1.54	NO	7.479e4	23.681	23.681	0.243
3	Total Penta-Furans	29.27	8.607e4	5.760e4	3.434e3	2.306e3	1.49	NO	5.740e3	1.8178	1.8178	0.243
4	Total Penta-Furans	29.80	7.021e4	4.192e4	4.462e3	2.952e3	1.51	NO	7.414e3	2.3478	2.3478	0.243
5	Total Penta-Furans	29.85	2.318e4	1.428e4	1.120e3	6.762e2	1.66	NO	1.796e3	0.56885	0.56885	0.243
6	Total Penta-Furans	30.02	1.456e5	8.288e4	7.208e3	4.590e3	1.57	NO	1.180e4	3.7358	3.7358	0.243
7	1,2,3,7,8-PeCDF	30.20	1.798e6	1.194e6	9.602e4	6.239e4	1.54	NO	1.584e5	49.409	49.409	0.245
8	Total Penta-Furans	30.26	1.392e5	8.314e4	5.469e3	3.215e3	1.70	NO	8.684e3	2.7498	2.7498	0.243
9	Total Penta-Furans	30.47	4.941e5	3.217e5	2.953e4	1.840e4	1.61	NO	4.793e4	15.177	15.177	0.243
10	Total Penta-Furans	30.55	2.438e4	1.823e4	1.205e3	6.831e2	1.76	NO	0.000e0	0.00000	0.59791	0.243
11	Total Penta-Furans	31.08	2.216e4	1.630e4	1.263e3	7.306e2	1.73	NO	1.994e3	0.63136	0.63136	0.243
12	2,3,4,7,8-PeCDF	31.18	7.384e5	4.762e5	4.230e4	2.738e4	1.55	NO	6.967e4	21.391	21.391	0.229
13	Total Penta-Furans	31.22	3.211e5	1.756e5	6.967e3	4.198e3	1.66	NO	1.116e4	3.5354	3.5354	0.243
14	Total Penta-Furans	32.11	3.292e4	2.302e4	2.025e3	1.195e3	1.69	NO	3.219e3	1.0193	1.0193	0.243

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.80	1.587e5	1.229e5	8.000e3	6.448e3	1.24	NO	1.445e4	7.0499	7.0499	0.383
2	Total Hexa-Furans	32.96	5.530e5	4.619e5	2.881e4	2.409e4	1.20	NO	5.290e4	25.813	25.813	0.383
3	Total Hexa-Furans	33.32	1.356e4	1.161e4	6.146e2	5.059e2	1.21	NO	1.121e3	0.54675	0.54675	0.383
4	Total Hexa-Furans	33.51	8.017e5	6.640e5	4.046e4	3.335e4	1.21	NO	7.380e4	36.012	36.012	0.383
5	Total Hexa-Furans	33.87	2.363e4	2.220e4	1.047e3	9.309e2	1.12	NO	1.978e3	0.96517	0.96517	0.383
6	1,2,3,4,7,8-HxCDF	33.97	2.081e6	1.737e6	1.150e5	9.601e4	1.20	NO	2.110e5	109.33	109.33	0.371
7	1,2,3,6,7,8-HxCDF	34.10	5.423e5	4.222e5	3.334e4	2.763e4	1.21	NO	6.097e4	27.322	27.322	0.336
8	Total Hexa-Furans	34.22	1.448e4	1.189e4	8.534e2	7.481e2	1.14	NO	0.000e0	0.00000	0.78142	0.383
9	Total Hexa-Furans	34.37	1.280e4	1.050e4	7.517e2	5.355e2	1.40	NO	1.287e3	0.62806	0.62806	0.383
10	2,3,4,6,7,8-HxCDF	34.69	1.257e5	1.133e5	7.322e3	6.382e3	1.15	NO	1.370e4	6.4580	6.4580	0.360
11	1,2,3,7,8,9-HxCDF	35.63	1.305e5	1.161e5	7.293e3	6.508e3	1.12	NO	1.380e4	8.7445	8.7445	0.578
12	Total Hexa-Furans	35.66	9.670e4	8.140e4	2.392e3	1.811e3	1.32	NO	4.203e3	2.0507	2.0507	0.383

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Name: 200605R1_12, Date: 05-Jun-2020, Time: 18:22:40, ID: 2000995-08 PDI-072SC-B-00-02-200430 18.83, Description: PDI-072SC-B-00-02-200430

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.36	5.378e5	5.083e5	4.063e4	3.880e4	1.05	NO	7.943e4	58.162	58.162	0.500
2	Total Hepta-Furans	37.76	1.457e4	1.259e4	9.644e2	1.024e3	0.94	NO	1.988e3	1.7277	1.7277	0.568
3	Total Hepta-Furans	37.98	8.477e5	8.521e5	6.375e4	6.328e4	1.01	NO	1.270e5	110.38	110.38	0.568
4	1,2,3,4,7,8,9-HpCDF	39.32	1.246e5	1.201e5	8.301e3	8.317e3	1.00	NO	1.662e4	15.310	15.310	0.576

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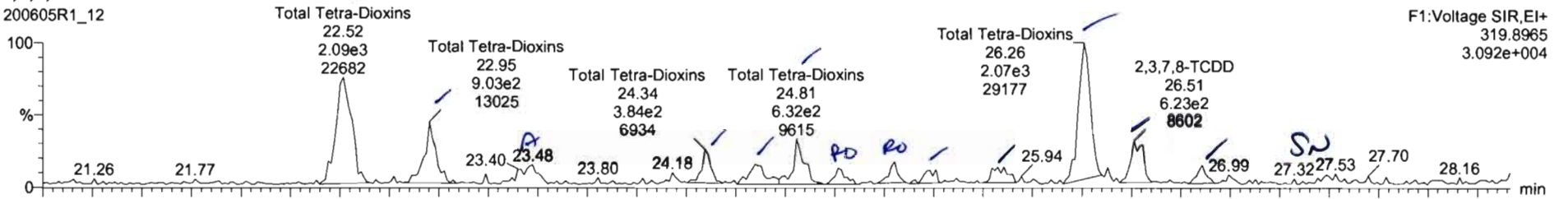
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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

Name: 200605R1_12, Date: 05-Jun-2020, Time: 18:22:40, ID: 2000995-08 PDI-072SC-B-00-02-200430 18.83, Description: PDI-072SC-B-00-02-200430

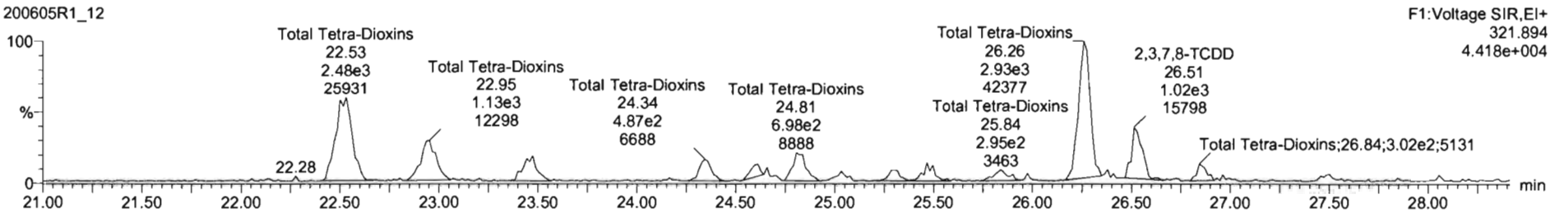
2,3,7,8-TCDD

200605R1_12



F1: Voltage SIR, EI+
319.8965
3.092e+004

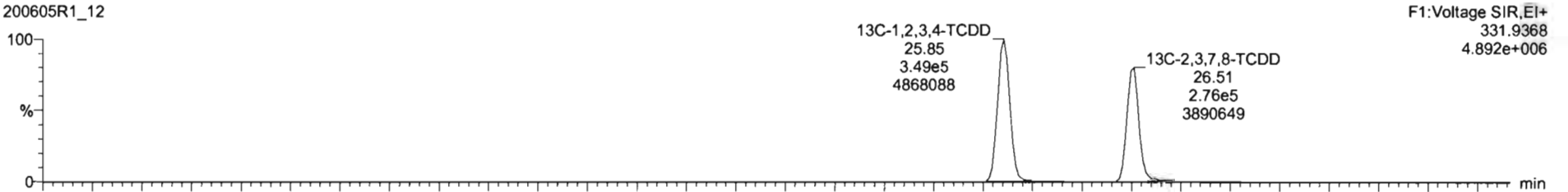
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F1: Voltage SIR, EI+
321.894
4.418e+004

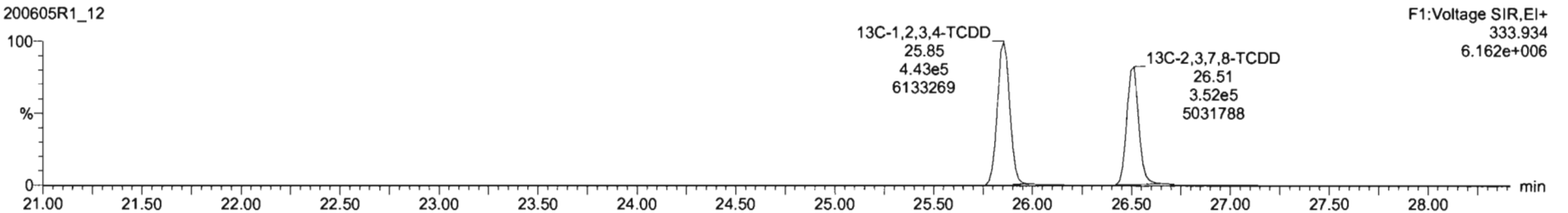
13C-2,3,7,8-TCDD

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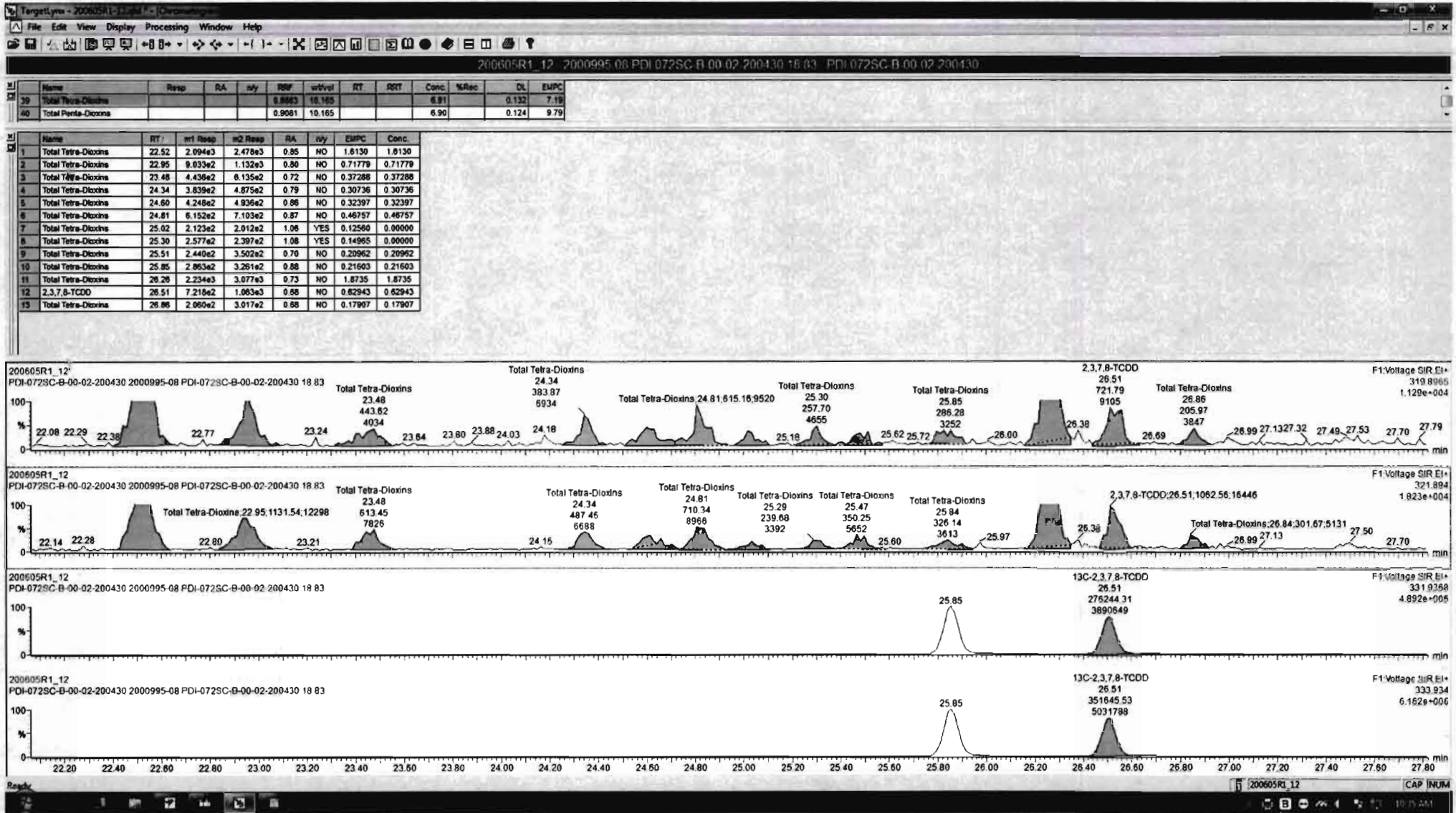


F1: Voltage SIR, EI+
331.9368
4.892e+006

200605R1_12



F1: Voltage SIR, EI+
333.934
6.162e+006



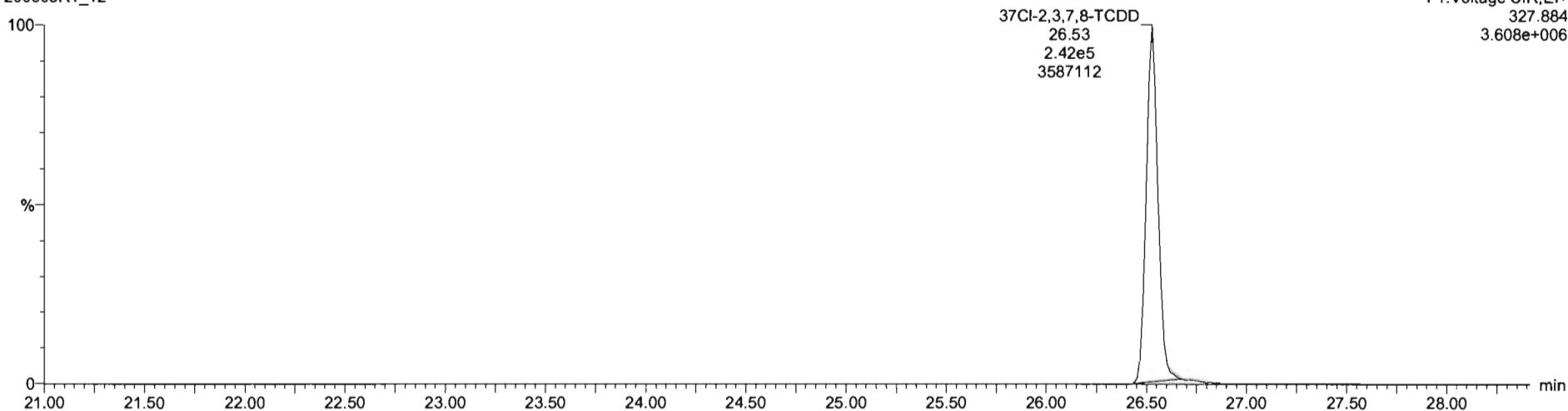
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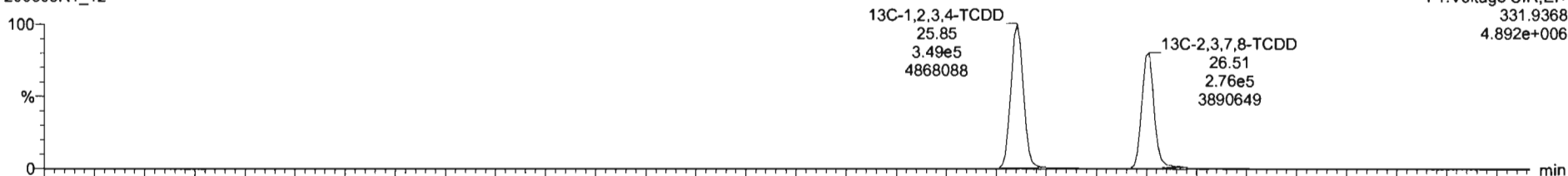
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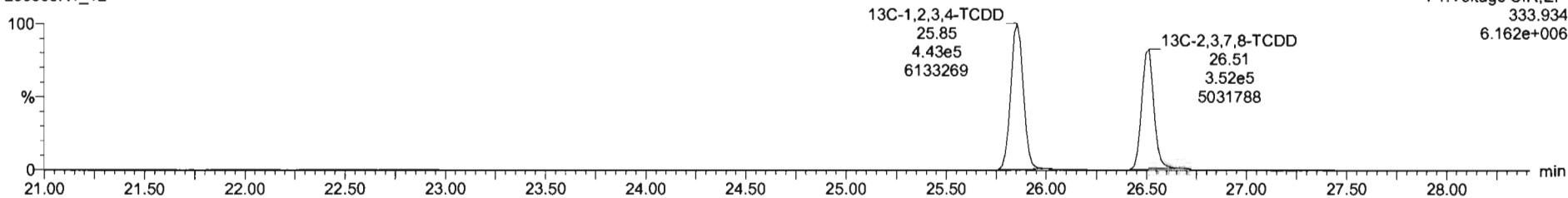


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200605R1_12



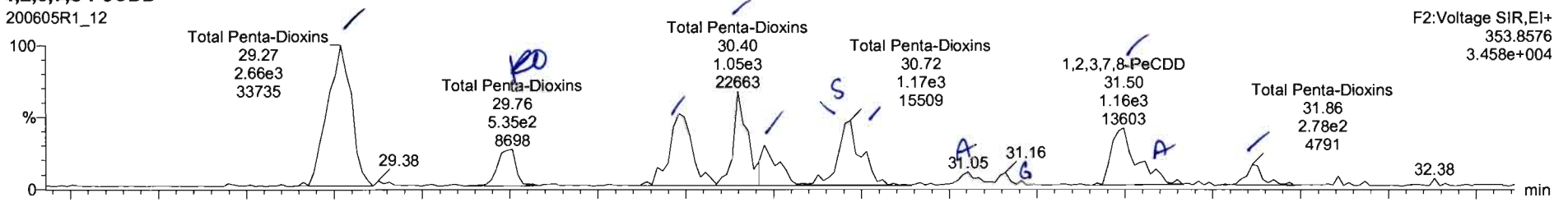
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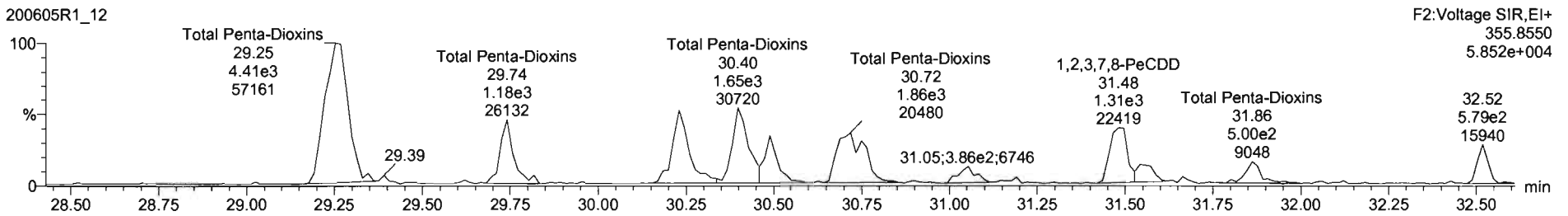
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1,2,3,7,8-PeCDD

200605R1_12

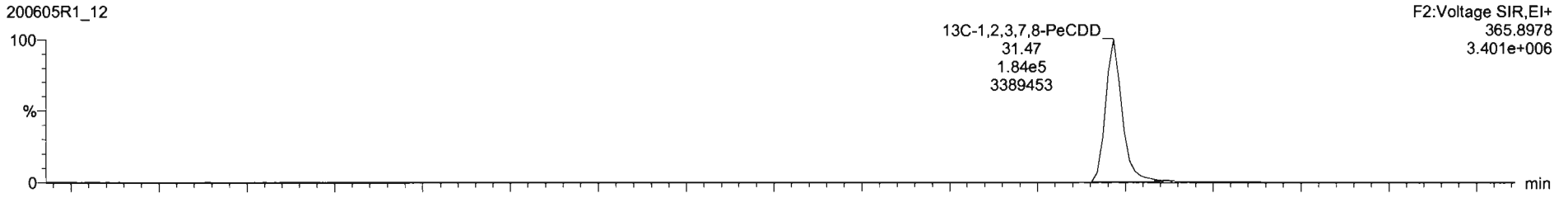


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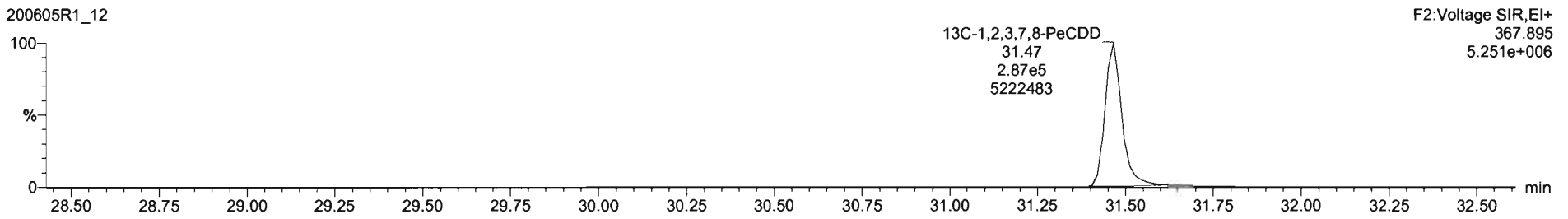


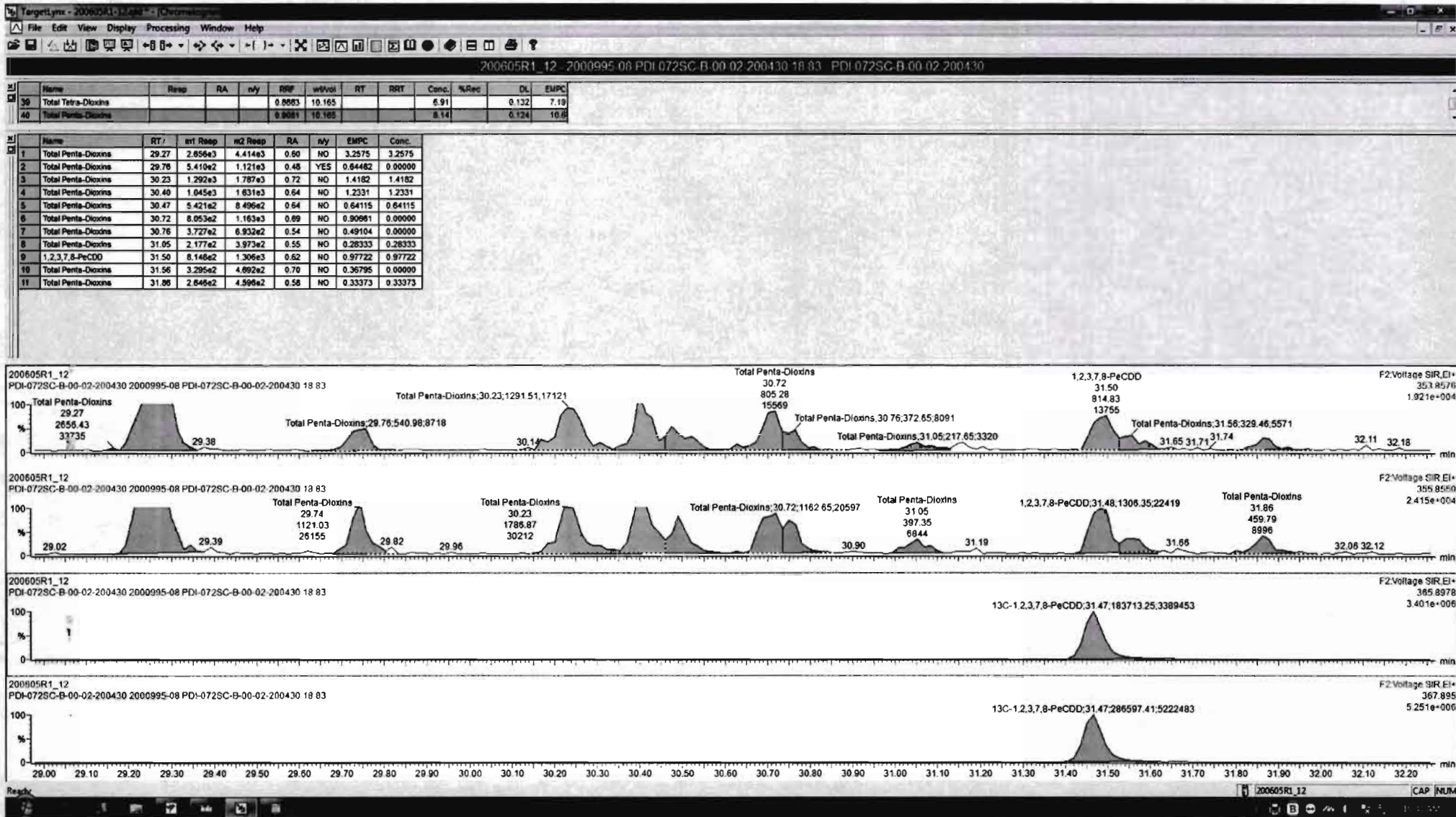
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200605R1_12





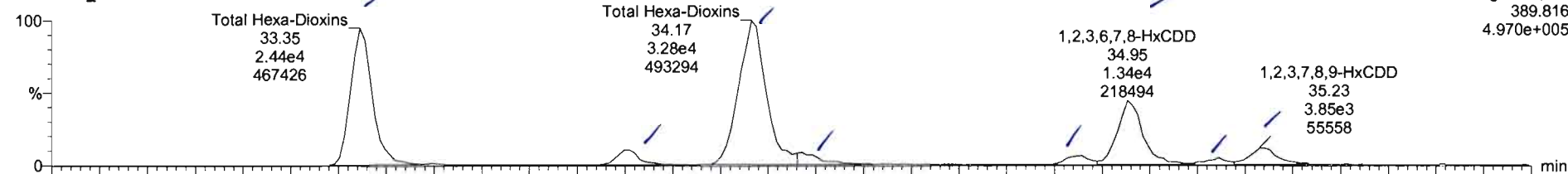
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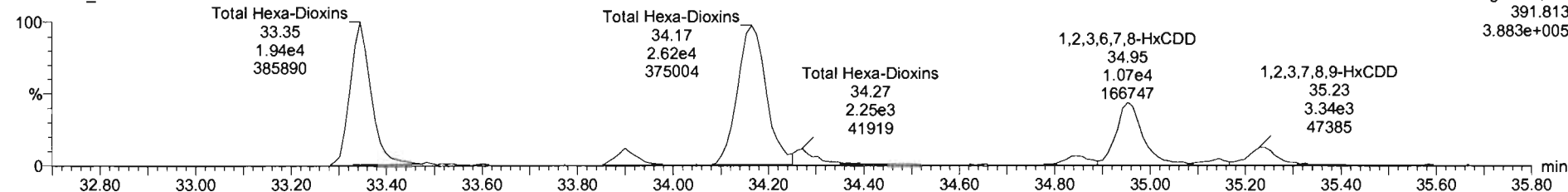
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1,2,3,4,7,8-HxCDD

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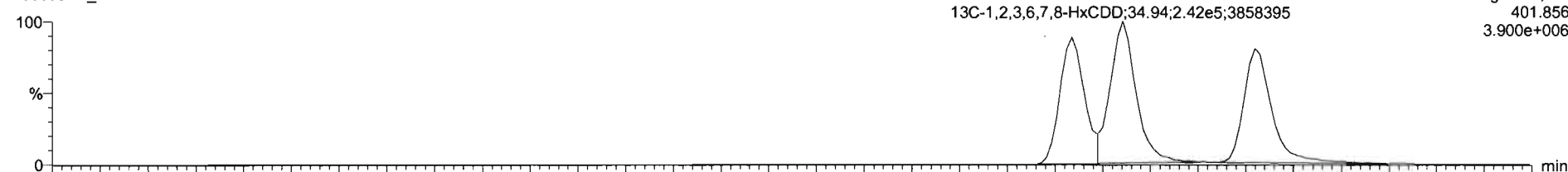


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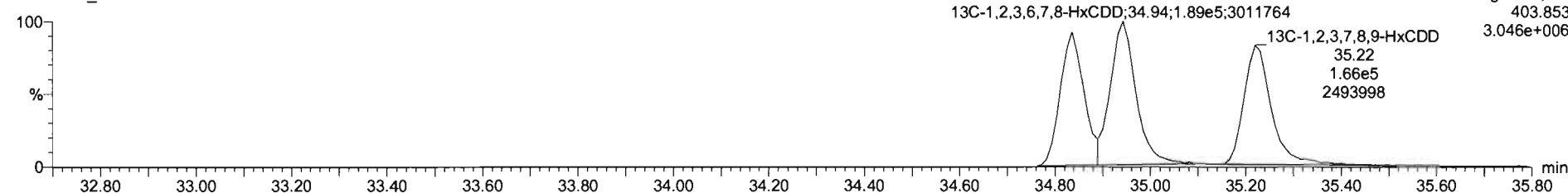


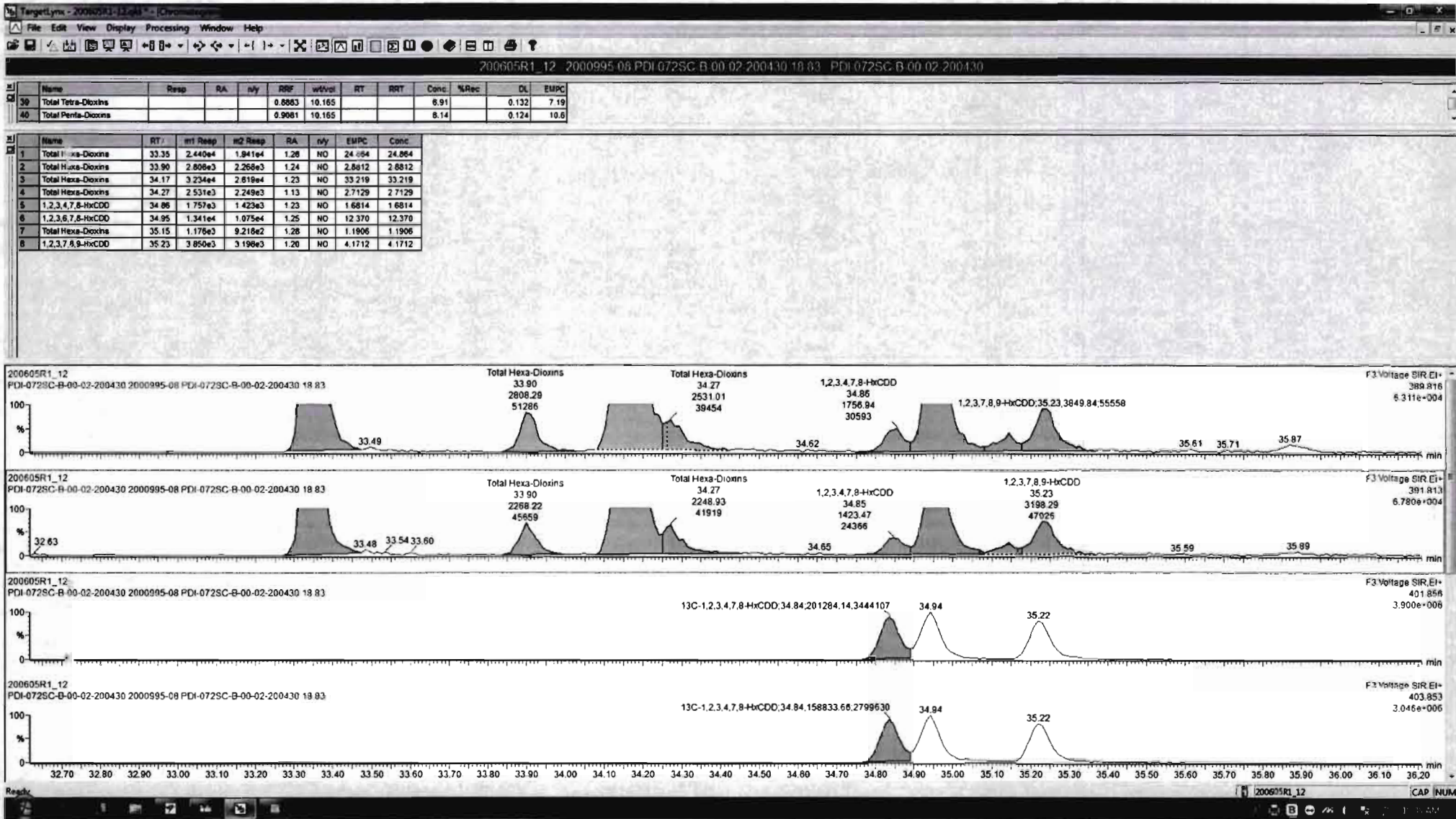
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200605R1_12





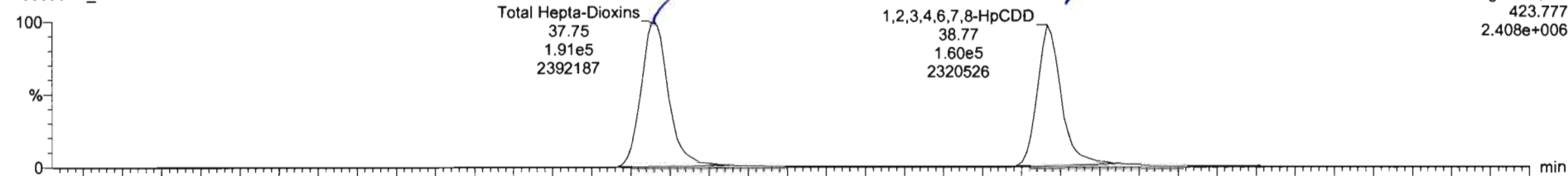
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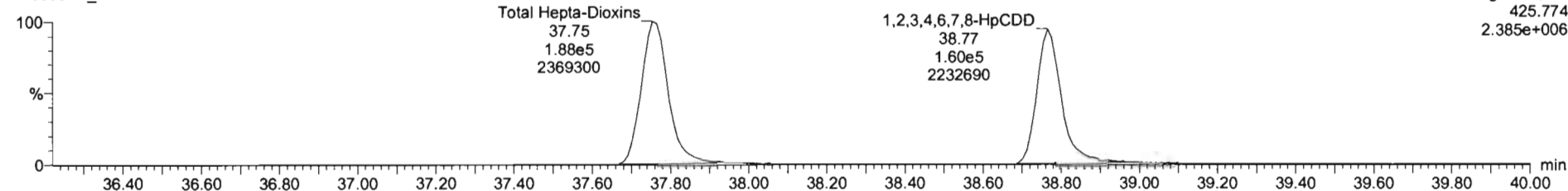
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1,2,3,4,6,7,8-HpCDD

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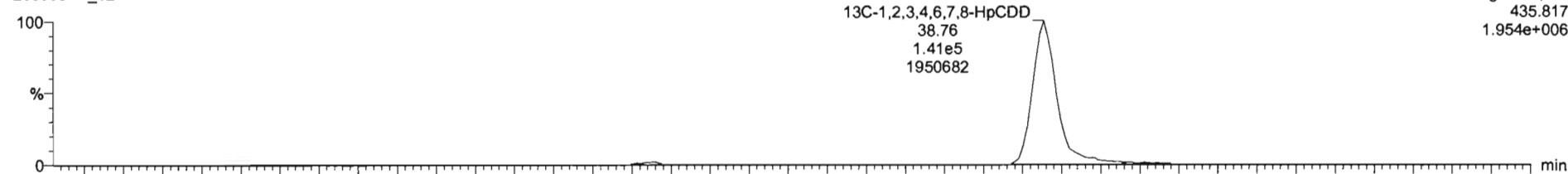


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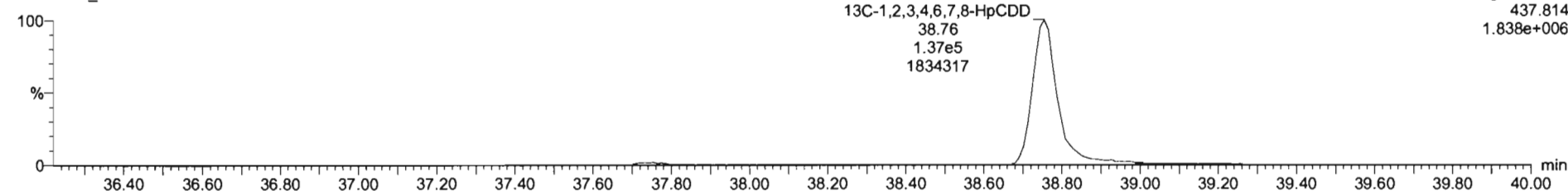


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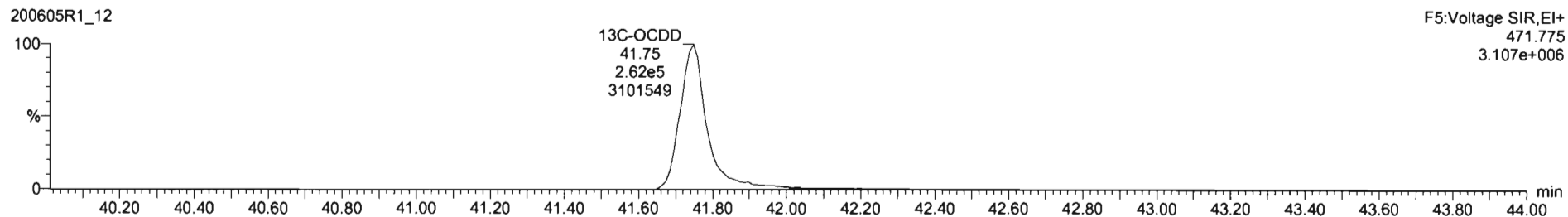
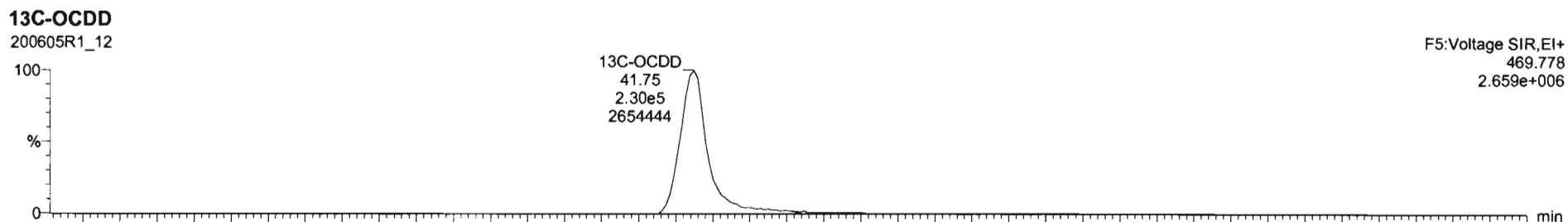
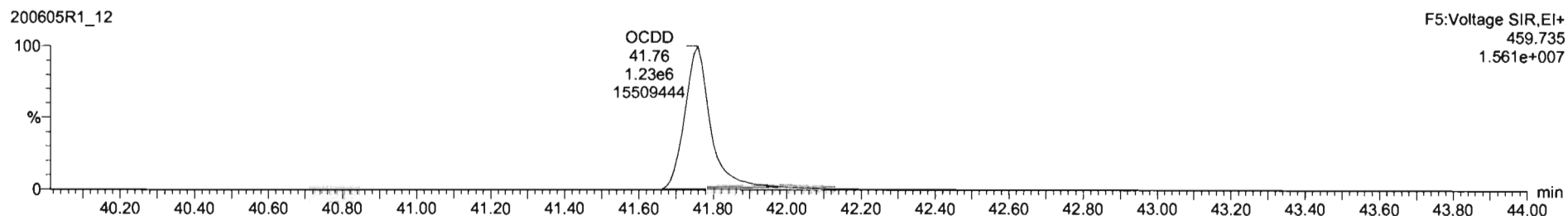
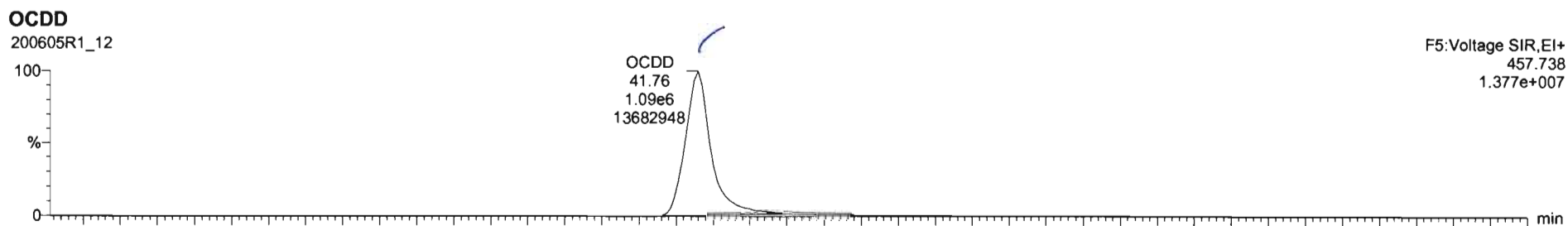
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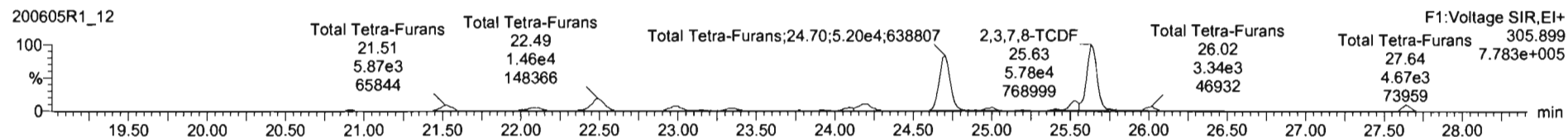
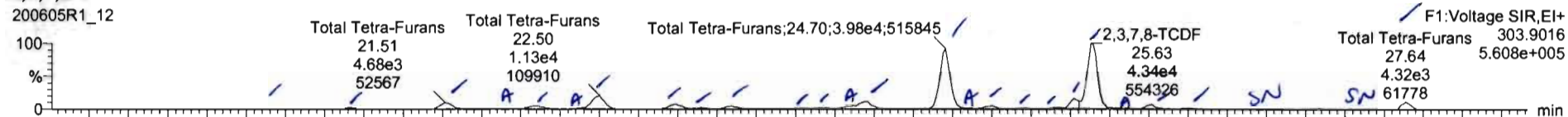


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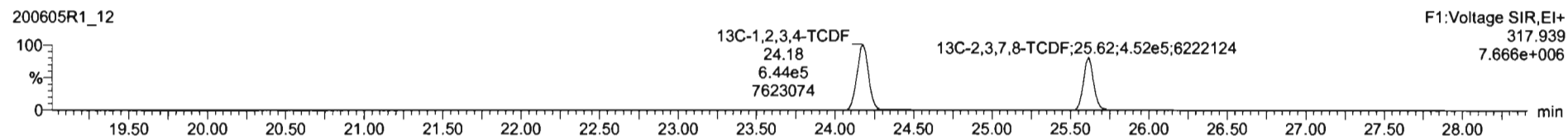
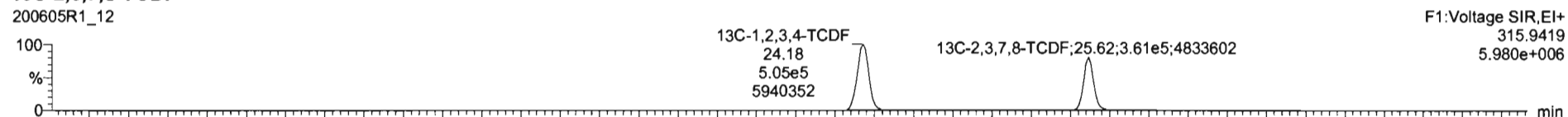
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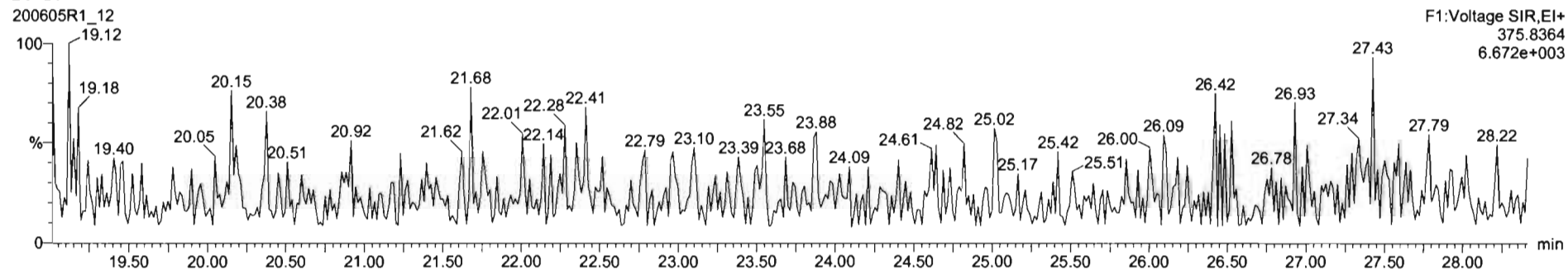
2,3,7,8-TCDF

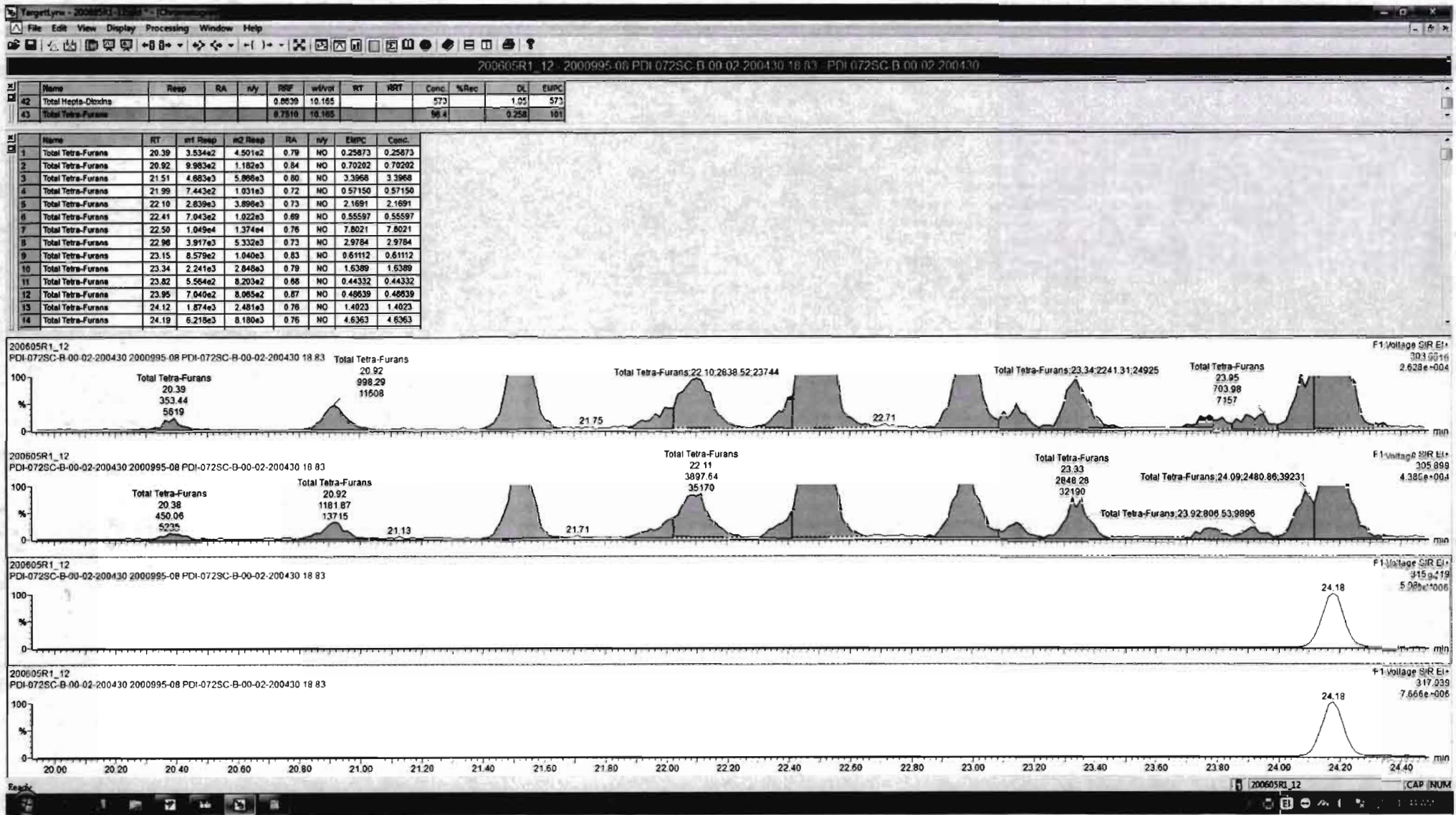


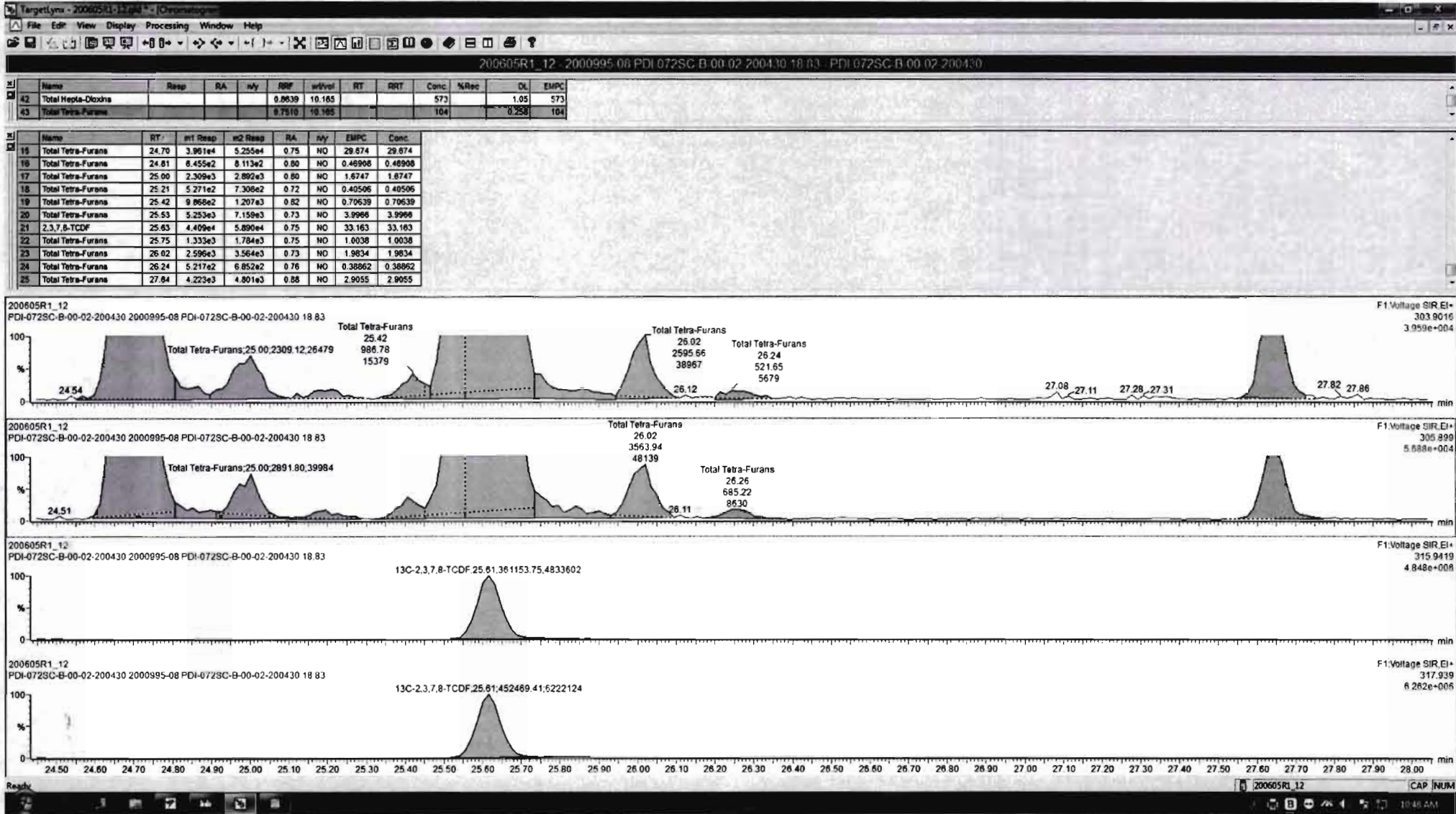
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DPE1







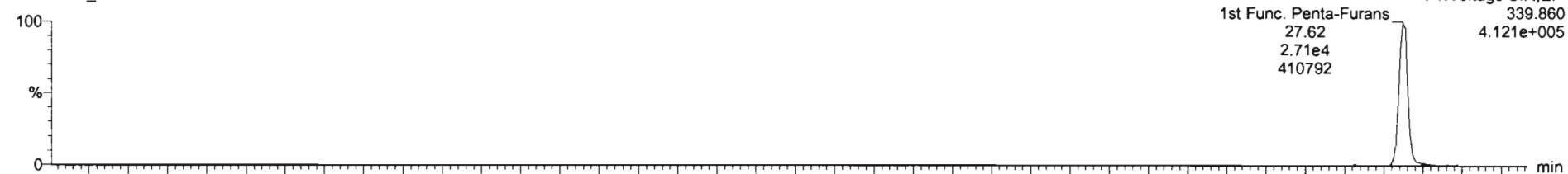
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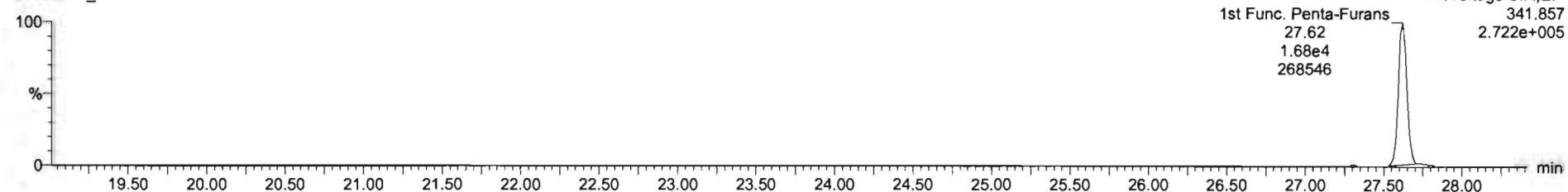
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1st Func. Penta-Furans

200605R1_12

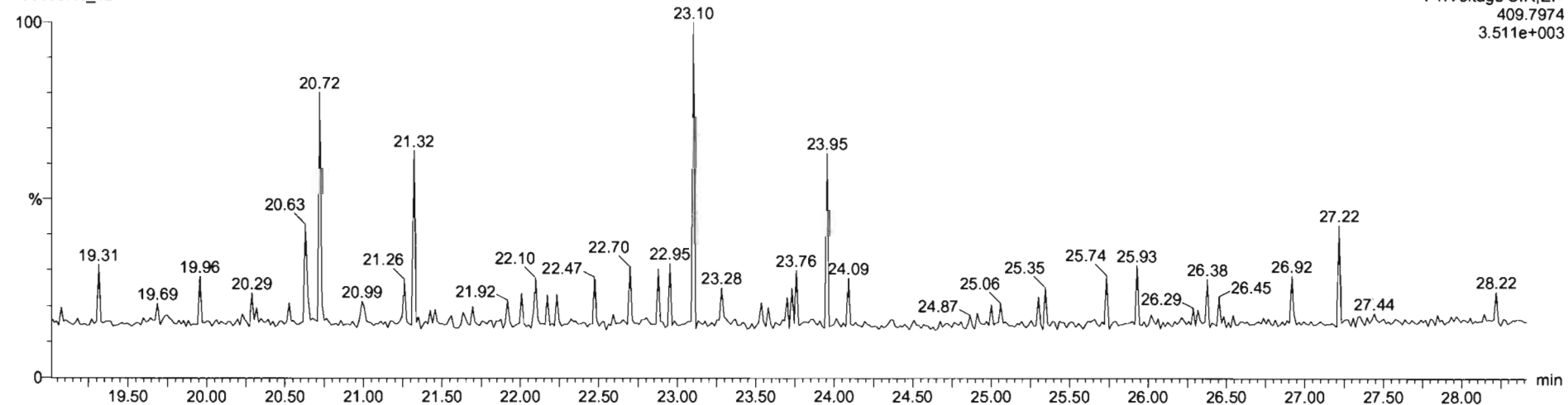


200605R1_12



DPE6

200605R1_12

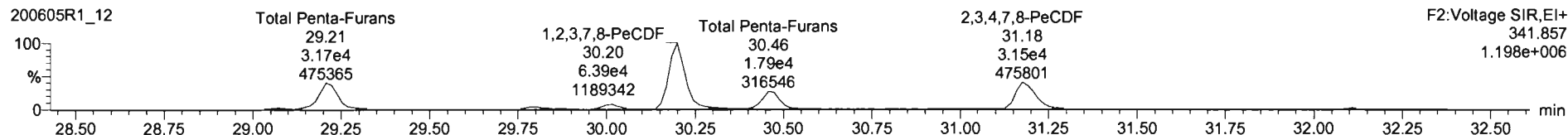
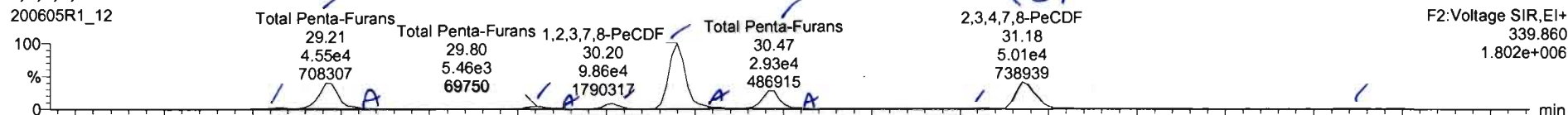


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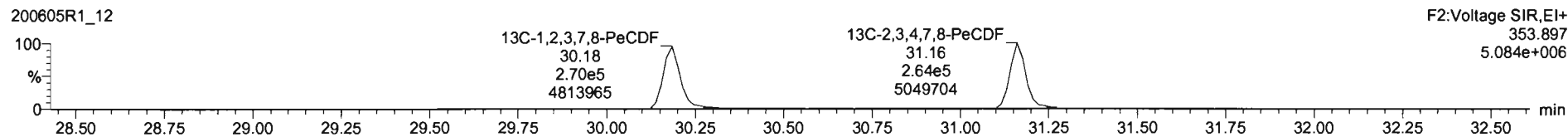
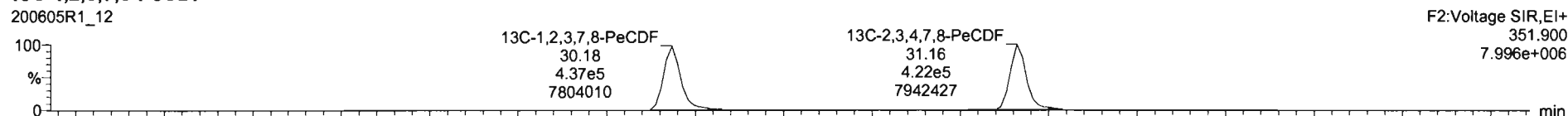
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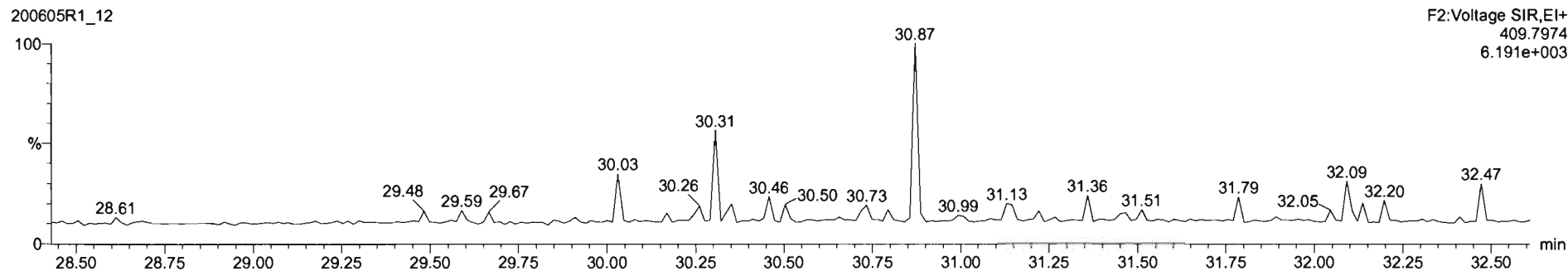
1,2,3,7,8-PeCDF

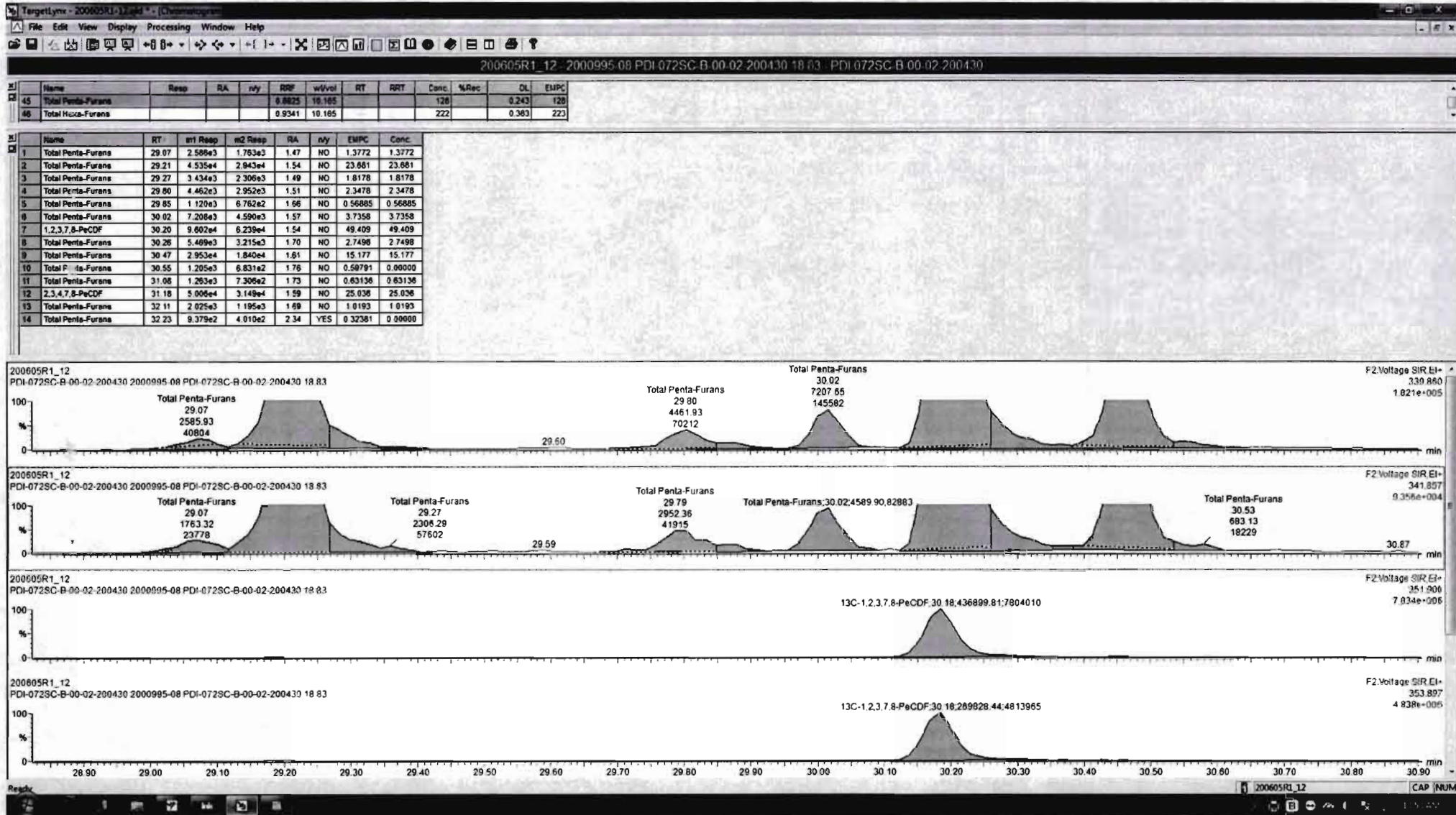


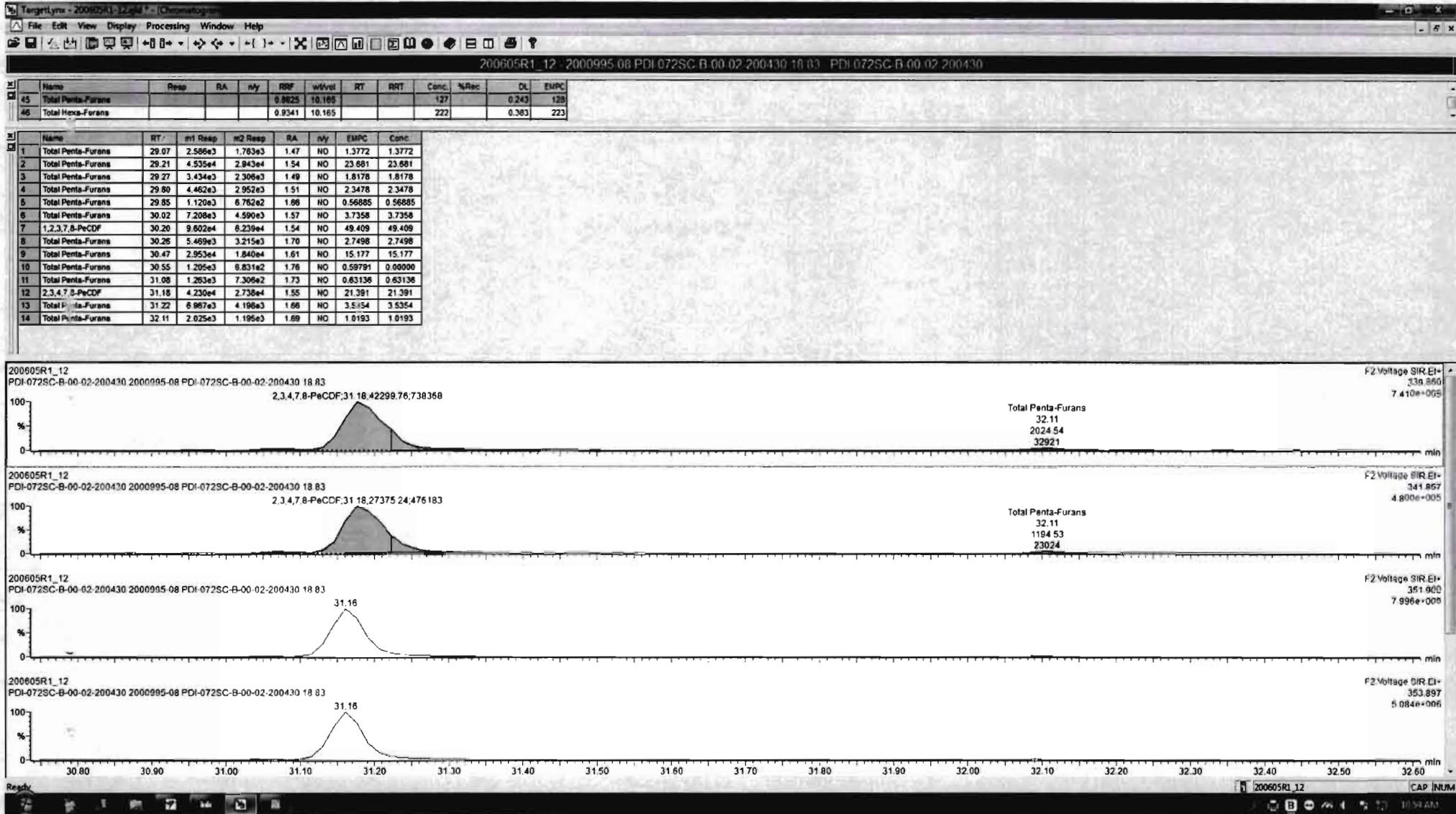
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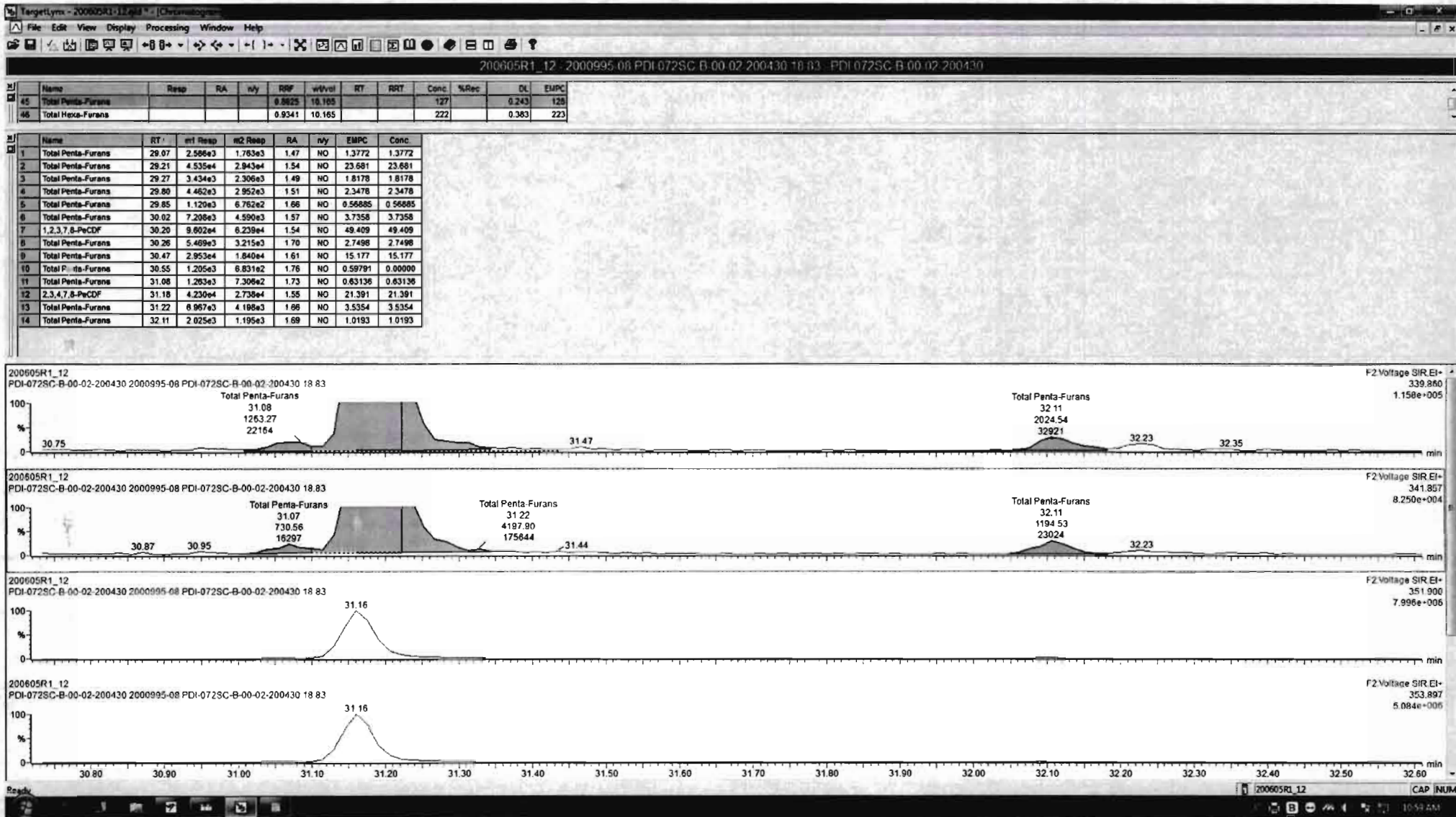


DPE2







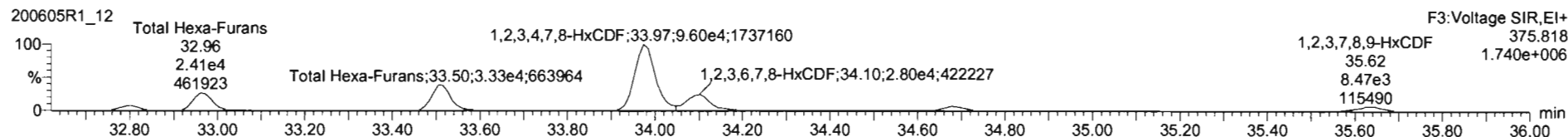
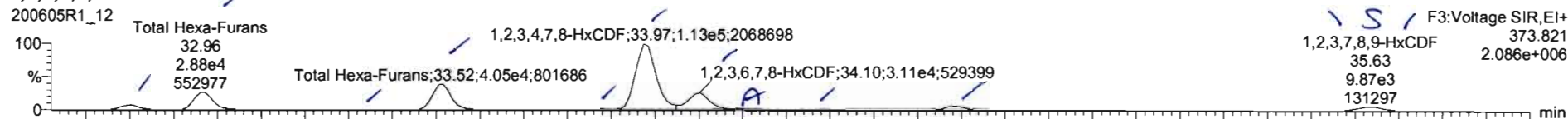


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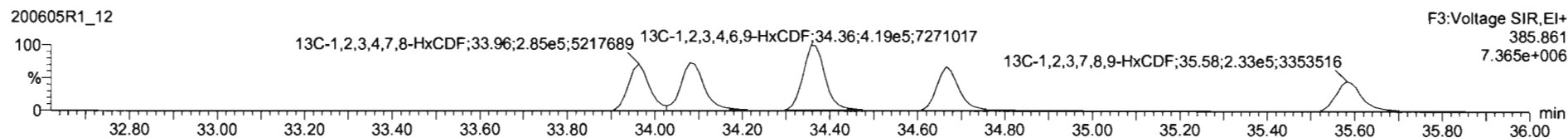
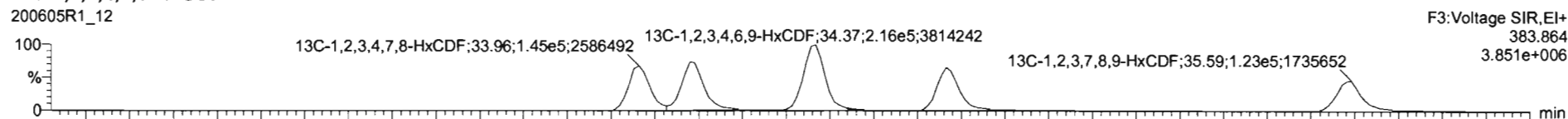
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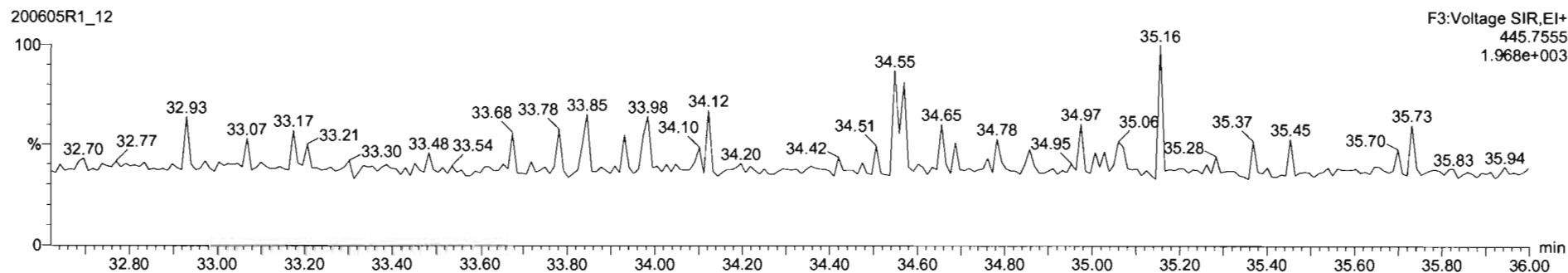
1,2,3,4,7,8-HxCDF

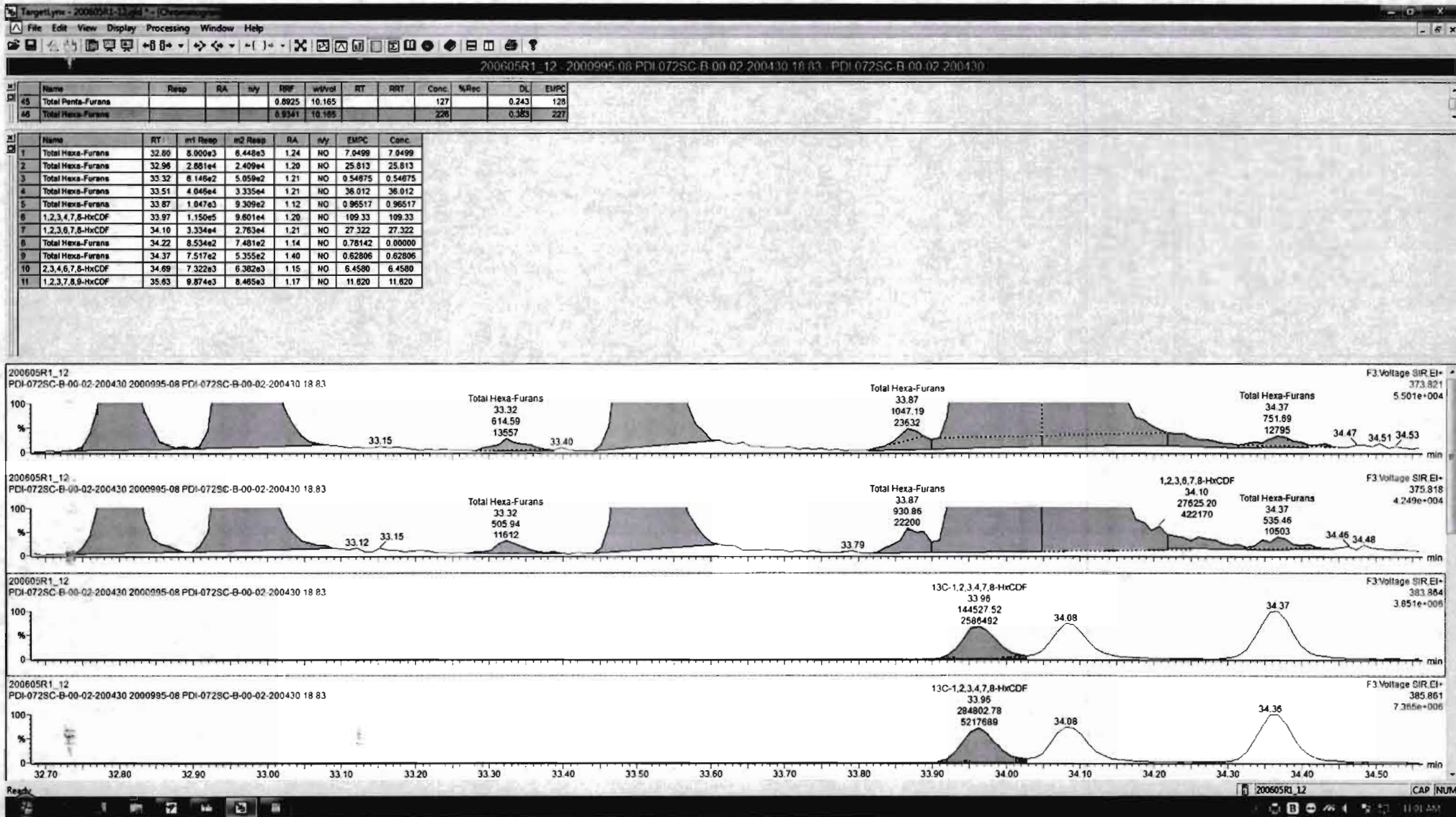


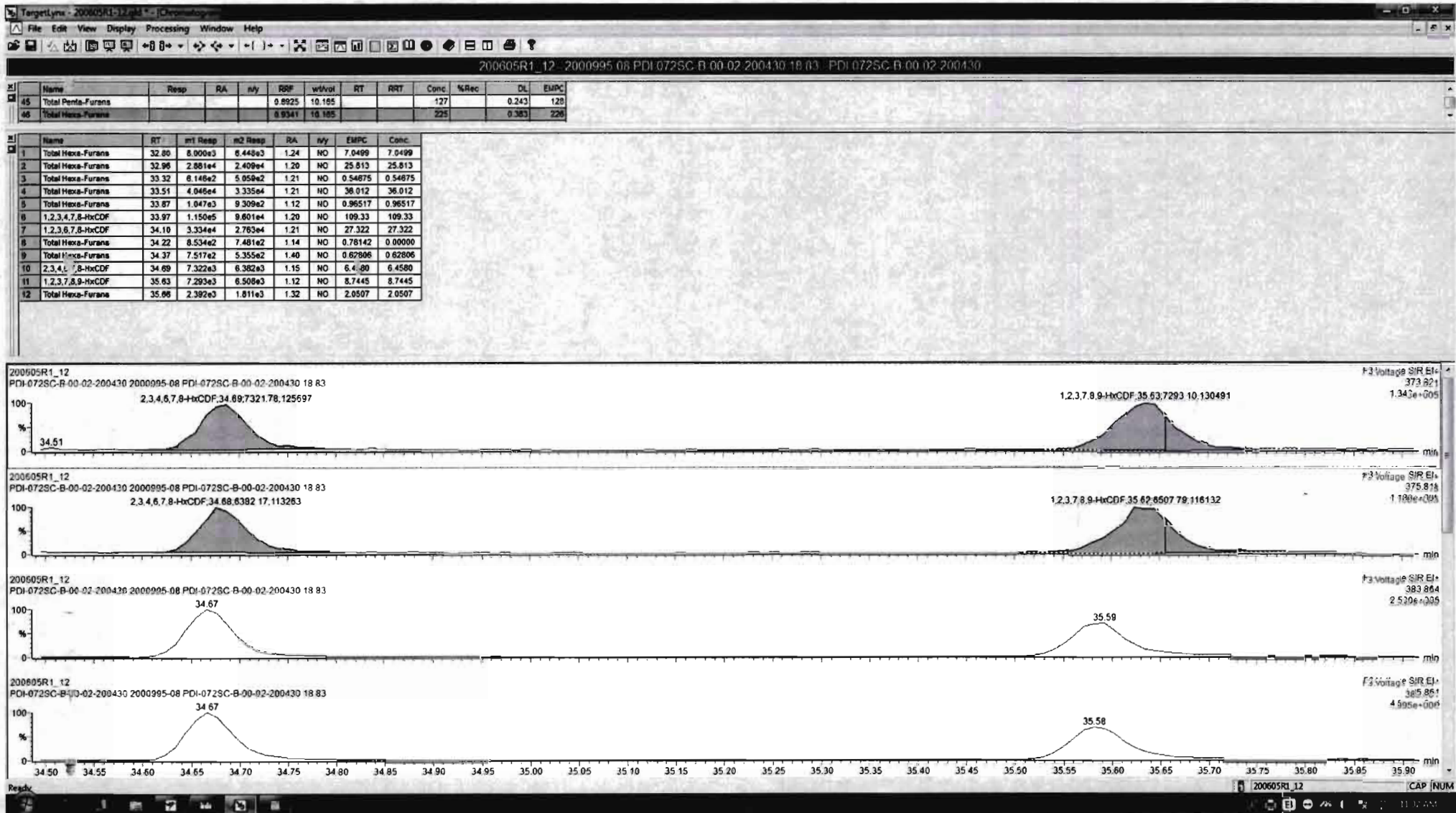
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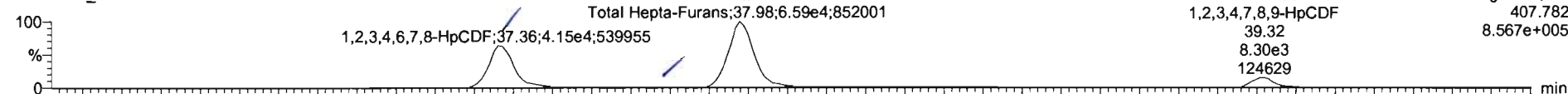
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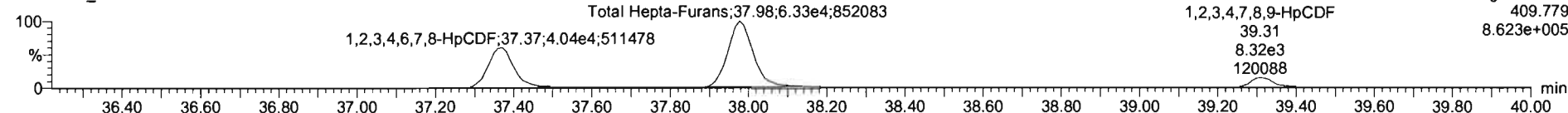
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1,2,3,4,6,7,8-HpCDF

200605R1_12



200605R1_12

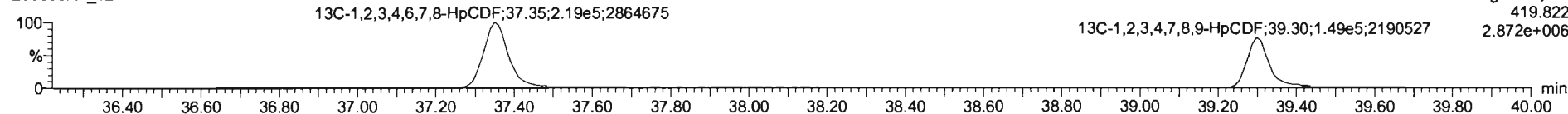


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200605R1_12

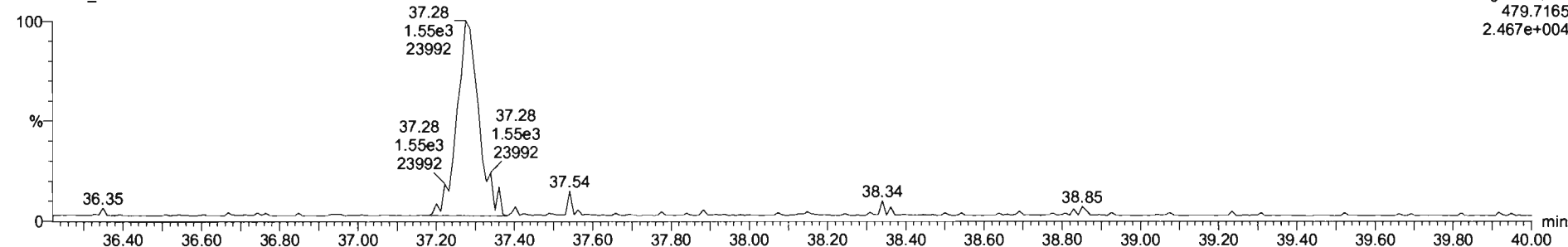


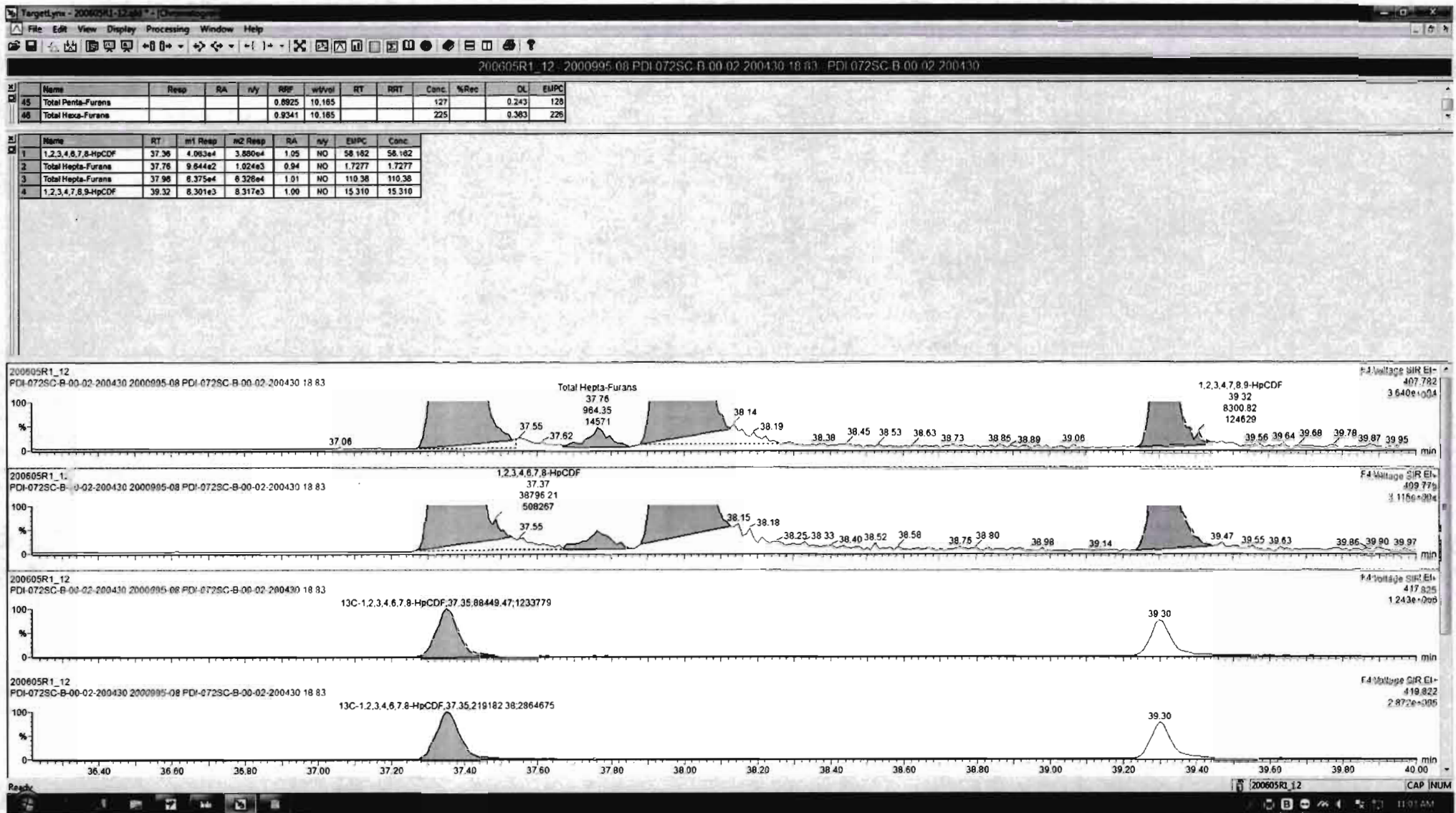
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DPE4

200605R1_12



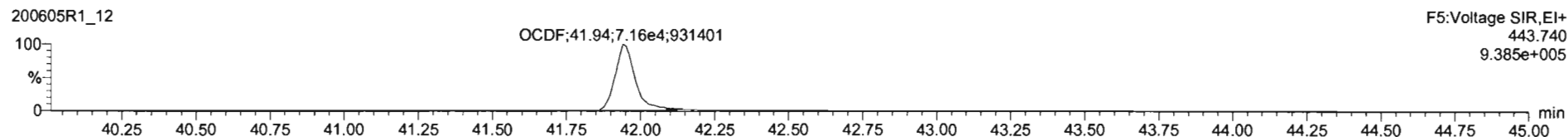
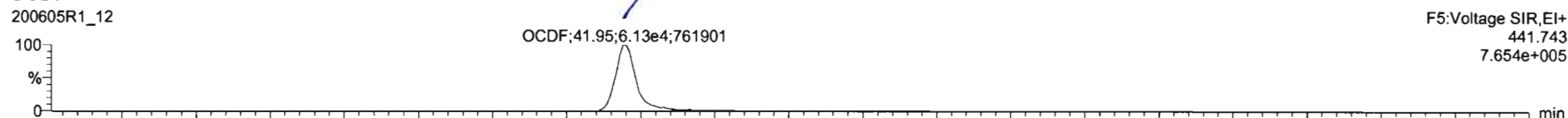


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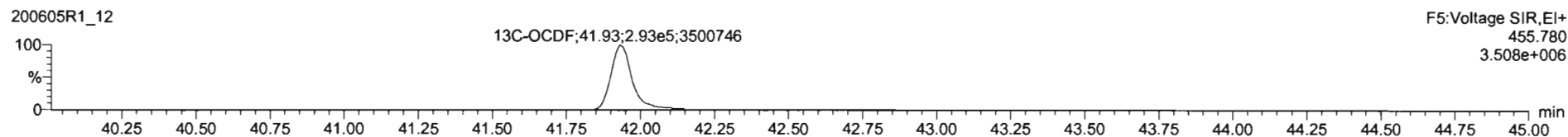
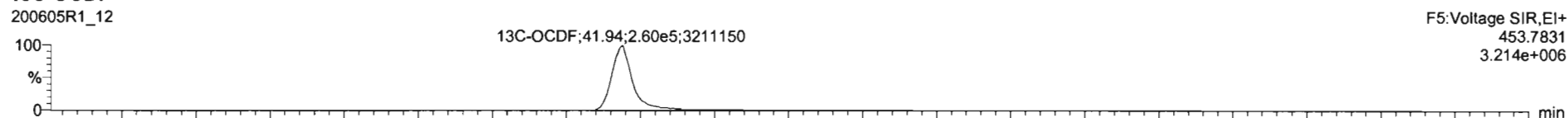
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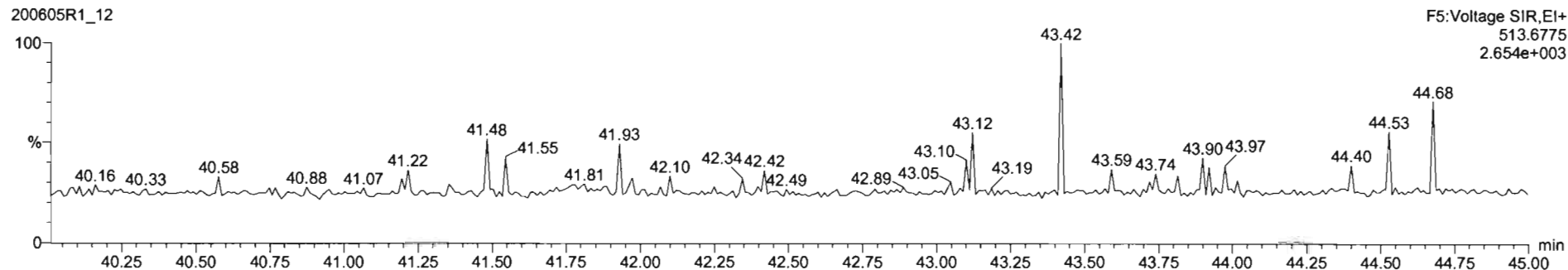
OCDF



13C-OCDF



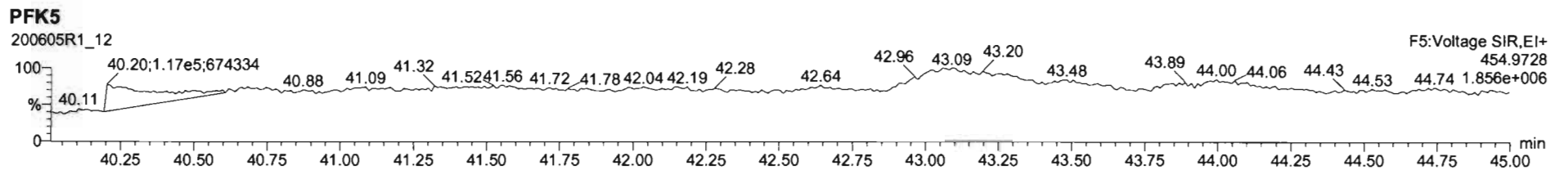
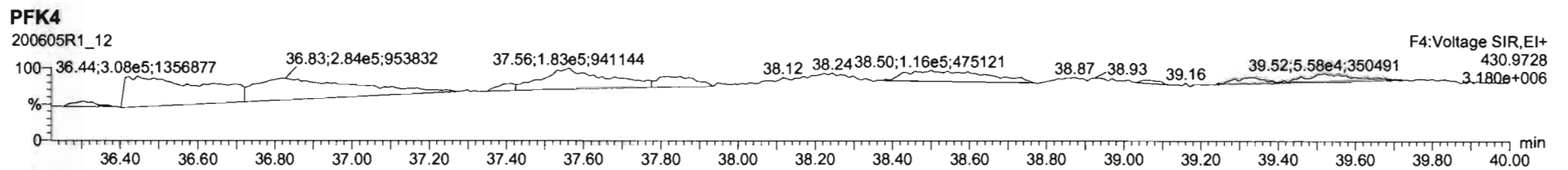
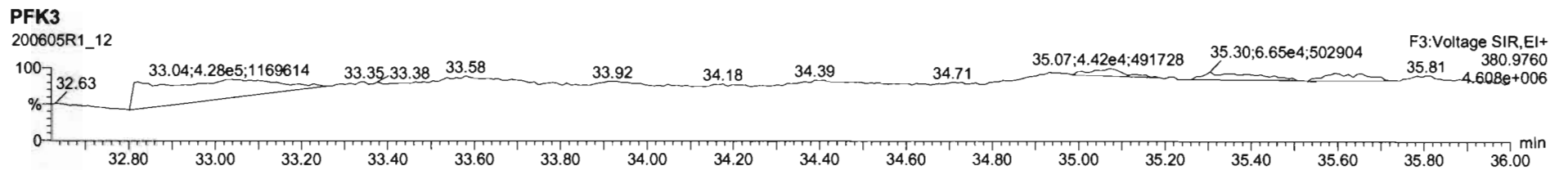
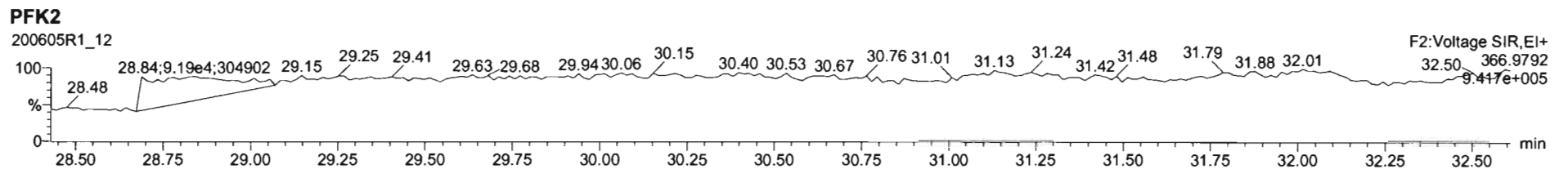
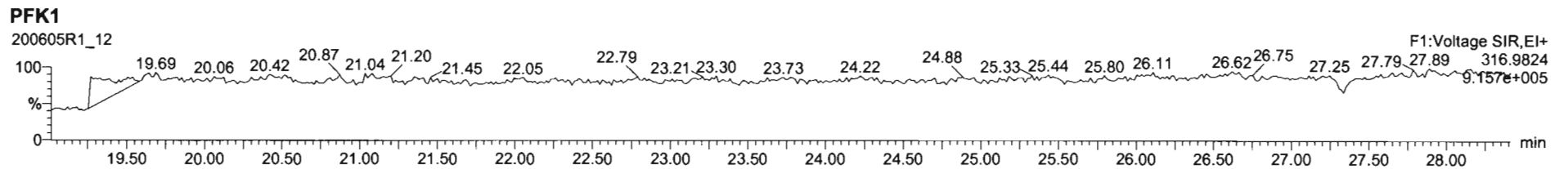
DPE5



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Name: 200605R1_12, Date: 05-Jun-2020, Time: 18:22:40, ID: 2000995-08 PDI-072SC-B-00-02-200430 18.83, Description: PDI-072SC-B-00-02-200430



Dataset: U:\VG12.PRO\Results\200605R1\200605R1-13.qld

Last Altered: Thursday, June 11, 2020 11:39:04 AM Pacific Daylight Time
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QES 06/11/2020

CT 06/15/2020

Method: Untitled 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R1_13, Date: 05-Jun-2020, Time: 19:08:52, ID: 2000995-09 PDI-072SC-B-02-04-200430 17.07, Description: PDI-072SC-B-02-04-200430

#	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	1.87e3	0.71	NO	0.888	10.189	26.531	26.51	1.001	1.001	0.63948		0.135	0.639
2	2 1,2,3,7,8-PeCDD	1.95e3	0.55	NO	0.908	10.189	31.473	31.47	1.001	1.000	0.87210		0.235	0.872
3	3 1,2,3,4,7,8-HxCDD	1.60e3	1.18	NO	1.03	10.189	34.836	34.85	1.000	1.001	0.90077		0.258	0.901
4	4 1,2,3,6,7,8-HxCDD	1.17e4	1.23	NO	0.892	10.189	34.932	34.94	1.000	1.000	6.0674		0.269	6.07
5	5 1,2,3,7,8,9-HxCDD	4.61e3	1.23	NO	0.887	10.189	35.220	35.23	1.000	1.001	2.7836		0.303	2.78
6	6 1,2,3,4,6,7,8-HpCDD	2.21e5	1.02	NO	0.864	10.189	38.757	38.77	1.000	1.001	177.53		0.903	178
7	7 OCDD	1.84e6	0.89	NO	0.914	10.189	41.738	41.75	1.000	1.000	1538.4		1.25	1540
8	8 2,3,7,8-TCDF	1.75e5	0.75	NO	0.751	10.189	25.627	25.63	1.001	1.001	57.427	(51.9)	0.158	57.4
9	9 1,2,3,7,8-PeCDF	2.26e5	1.55	NO	0.893	10.189	30.190	30.18	1.001	1.001	68.952		0.381	69.0
10	10 2,3,4,7,8-PeCDF	1.02e5	1.54	NO	0.935	10.189	31.154	31.16	1.000	1.001	30.950		0.360	31.0
11	11 1,2,3,4,7,8-HxCDF	1.45e5	1.22	NO	0.884	10.189	33.952	33.96	1.000	1.000	72.717		0.356	72.7
12	12 1,2,3,6,7,8-HxCDF	3.67e4	1.20	NO	0.889	10.189	34.079	34.08	1.000	1.000	15.658		0.309	15.7
13	13 2,3,4,6,7,8-HxCDF	1.10e4	1.20	NO	0.934	10.189	34.690	34.68	1.001	1.001	5.1607		0.348	5.16
14	14 1,2,3,7,8,9-HxCDF	1.30e4	1.16	NO	0.871	10.189	35.582	35.63	1.000	1.001	7.6874		0.524	7.69
15	15 1,2,3,4,6,7,8-HpCDF	3.78e4	1.02	NO	0.873	10.189	37.387	37.36	1.001	1.000	25.878		0.498	25.9
16	16 1,2,3,4,7,8,9-HpCDF	6.87e3	1.00	NO	1.01	10.189	39.299	39.31	1.000	1.000	6.2234		0.545	6.22
17	17 OCDF	9.96e4	0.82	NO	0.806	10.189	41.929	41.95	1.000	1.001	86.695		0.373	86.7
18	18 13C-2,3,7,8-TCDD	6.45e5	0.81	NO	1.16	10.189	26.522	26.50	1.026	1.026	151.39	77.1	0.219	
19	19 13C-1,2,3,7,8-PeCDD	4.84e5	0.62	NO	0.849	10.189	31.711	31.45	1.227	1.217	154.52	78.7	0.369	
20	20 13C-1,2,3,4,7,8-HxCDD	3.37e5	1.29	NO	0.779	10.189	34.830	34.83	1.014	1.014	146.96	74.9	0.621	
21	21 13C-1,2,3,6,7,8-HxCDD	4.25e5	1.28	NO	1.02	10.189	34.944	34.93	1.017	1.017	142.01	72.3	0.476	
22	22 13C-1,2,3,7,8,9-HxCDD	3.67e5	1.26	NO	0.903	10.189	35.215	35.21	1.025	1.025	137.98	70.3	0.536	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.84e5	1.05	NO	0.689	10.189	38.739	38.74	1.128	1.128	139.79	71.2	0.581	
24	24 13C-OCDD	5.14e5	0.89	NO	0.652	10.189	41.761	41.74	1.216	1.215	267.70	68.2	0.418	
25	25 13C-2,3,7,8-TCDF	7.95e5	0.78	NO	1.06	10.189	25.564	25.60	0.989	0.991	143.81	73.3	0.293	
26	26 13C-1,2,3,7,8-PeCDF	7.22e5	1.59	NO	0.838	10.189	30.093	30.17	1.165	1.168	164.96	84.0	0.489	
27	27 13C-2,3,4,7,8-PeCDF	6.89e5	1.60	NO	0.817	10.189	31.047	31.15	1.202	1.205	161.69	82.4	0.502	
28	28 13C-1,2,3,4,7,8-HxCDF	4.42e5	0.50	NO	1.01	10.189	33.961	33.95	0.989	0.989	148.97	75.9	0.666	
29	29 13C-1,2,3,6,7,8-HxCDF	5.18e5	0.52	NO	1.17	10.189	34.085	34.07	0.992	0.992	150.75	76.8	0.575	
30	30 13C-2,3,4,6,7,8-HxCDF	4.49e5	0.51	NO	1.02	10.189	34.659	34.65	1.009	1.009	149.15	76.0	0.656	
31	31 13C-1,2,3,7,8,9-HxCDF	3.80e5	0.49	NO	0.860	10.189	35.558	35.58	1.035	1.036	150.17	76.5	0.780	

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-13.qld

Last Altered: Thursday, June 11, 2020 11:39:04 AM Pacific Daylight Time
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Name: 200605R1_13, Date: 05-Jun-2020, Time: 19:08:52, ID: 2000995-09 PDI-072SC-B-02-04-200430 17.07, Description: PDI-072SC-B-02-04-200430

#	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	3.29e5	0.41	NO	0.774	10.189	37.307	37.35	1.086	1.087	144.18	73.4	0.626	
33	13C-1,2,3,4,7,8,9-HpCDF	2.14e5	0.41	NO	0.521	10.189	39.336	39.30	1.145	1.144	139.61	71.1	0.930	
34	13C-OCDF	5.59e5	0.85	NO	0.746	10.189	41.933	41.93	1.221	1.221	254.83	64.9	0.554	
35	37Cl-2,3,7,8-TCDD	2.35e5			1.04	10.189	26.553	26.51	1.028	1.026	61.618	78.5	0.0511	
36	13C-1,2,3,4-TCDD	7.24e5	0.80	NO	1.00	10.189	25.890	25.84	1.000	1.000	196.30	100	0.253	
37	13C-1,2,3,4-TCDF	1.02e6	0.78	NO	1.00	10.189	24.360	24.16	1.000	1.000	196.30	100	0.310	
38	13C-1,2,3,4,6,9-HxCDF	5.78e5	0.52	NO	1.00	10.189	34.420	34.35	1.000	1.000	196.30	100	0.671	
39	Total Tetra-Dioxins				0.888	10.189	24.620		0.000		6.0950		0.135	6.52
40	Total Penta-Dioxins				0.908	10.189	29.960		0.000		8.9518		0.235	10.4
41	Total Hexa-Dioxins				0.892	10.189	33.635		0.000		74.509		0.288	74.5
42	Total Hepta-Dioxins				0.864	10.189	37.640		0.000		431.22		0.903	431
43	Total Tetra-Furans				0.751	10.189	23.610		0.000		72.336		0.158	164
44	1st Func. Penta-Furans				0.893	10.189	27.580		0.000		13.096		0.0423	13.1
45	Total Penta-Furans				0.893	10.189	29.275		0.000		197.75		0.379	199
46	Total Hexa-Furans				0.934	10.189	33.555		0.000		146.52		0.360	147
47	Total Hepta-Furans				0.873	10.189	37.835		0.000		105.20		0.551	105

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Dataset: U:\VG12.PRO\Results\200605R1\200605R1-13.qld

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Method: Untitled 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R1_13, Date: 05-Jun-2020, Time: 19:08:52, ID: 2000995-09 PDI-072SC-B-02-04-200430 17.07, Description: PDI-072SC-B-02-04-200430

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.52	1.848e4	2.170e4	1.793e3	2.337e3	0.77	NO	4.130e3	1.4145	1.4145	0.135
2	Total Tetra-Dioxins	22.95	1.067e4	1.182e4	9.440e2	1.116e3	0.85	NO	2.060e3	0.70533	0.70533	0.135
3	Total Tetra-Dioxins	23.46	5.241e3	6.621e3	4.198e2	6.367e2	0.66	NO	1.056e3	0.36182	0.36182	0.135
4	Total Tetra-Dioxins	24.33	5.598e3	8.192e3	4.883e2	6.946e2	0.70	NO	1.183e3	0.40513	0.40513	0.135
5	Total Tetra-Dioxins	24.58	7.988e3	8.047e3	5.579e2	6.906e2	0.81	NO	1.248e3	0.42756	0.42756	0.135
6	Total Tetra-Dioxins	24.79	1.020e4	1.301e4	7.213e2	8.911e2	0.81	NO	1.612e3	0.55217	0.55217	0.135
7	Total Tetra-Dioxins	25.03	3.861e3	3.767e3	3.102e2	2.625e2	1.18	YES	0.000e0	0.00000	0.15910	0.135
8	Total Tetra-Dioxins	25.30	2.439e3	3.787e3	2.031e2	2.688e2	0.76	NO	4.719e2	0.16162	0.16162	0.135
9	Total Tetra-Dioxins	25.47	6.012e3	4.446e3	3.406e2	3.930e2	0.87	NO	7.336e2	0.25122	0.25122	0.135
10	Total Tetra-Dioxins	25.80	4.631e3	5.138e3	3.656e2	4.142e2	0.88	NO	0.000e0	0.00000	0.26704	0.135
11	Total Tetra-Dioxins	26.24	1.574e4	1.936e4	1.257e3	1.545e3	0.81	NO	2.803e3	0.95981	0.95981	0.135
12	2,3,7,8-TCDD	26.51	1.069e4	1.550e4	7.777e2	1.090e3	0.71	NO	1.867e3	0.63948	0.63948	0.135
13	Total Tetra-Dioxins	26.81	4.515e3	6.200e3	2.813e2	3.507e2	0.80	NO	6.320e2	0.21644	0.21644	0.135

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.24	3.704e4	5.459e4	3.024e3	4.634e3	0.65	NO	7.657e3	3.4233	3.4233	0.235
2	Total Penta-Dioxins	29.73	1.363e4	2.544e4	7.436e2	1.313e3	0.57	NO	2.057e3	0.91965	0.91965	0.235
3	Total Penta-Dioxins	30.21	1.695e4	3.587e4	1.163e3	1.727e3	0.67	NO	2.890e3	1.2920	1.2920	0.235
4	Total Penta-Dioxins	30.38	1.553e4	2.285e4	8.006e2	1.347e3	0.59	NO	2.148e3	0.96021	0.96021	0.235
5	Total Penta-Dioxins	30.47	1.183e4	1.605e4	4.934e2	8.474e2	0.58	NO	1.341e3	0.59942	0.59942	0.235
6	Total Penta-Dioxins	30.69	1.587e4	2.904e4	7.587e2	1.318e3	0.58	NO	0.000e0	0.00000	0.92859	0.235
7	Total Penta-Dioxins	30.72	1.337e4	1.858e4	4.910e2	7.535e2	0.65	NO	0.000e0	0.00000	0.55634	0.235
8	Total Penta-Dioxins	31.05	4.809e3	8.562e3	2.766e2	4.016e2	0.69	NO	6.782e2	0.30321	0.30321	0.235
9	1,2,3,7,8-PeCDD	31.47	1.336e4	2.257e4	6.955e2	1.255e3	0.55	NO	1.951e3	0.87210	0.87210	0.235
10	Total Penta-Dioxins	31.56	4.222e3	8.151e3	1.901e2	3.541e2	0.54	NO	5.442e2	0.24328	0.24328	0.235
11	Total Penta-Dioxins	31.86	6.168e3	7.209e3	3.068e2	4.508e2	0.68	NO	7.576e2	0.33868	0.33868	0.235

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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	33.33	5.591e5	4.559e5	2.944e4	2.424e4	1.21	NO	5.368e4	31.402	31.402	0.288
2	Total Hexa-Dioxins	33.89	4.467e4	3.698e4	2.492e3	1.951e3	1.28	NO	4.443e3	2.5991	2.5991	0.288
3	Total Hexa-Dioxins	34.15	3.674e5	2.981e5	2.562e4	2.104e4	1.22	NO	4.666e4	27.295	27.295	0.288
4	Total Hexa-Dioxins	34.25	3.813e4	3.552e4	2.475e3	1.989e3	1.24	NO	4.463e3	2.6108	2.6108	0.288
5	1,2,3,4,7,8-HxCDD	34.85	1.503e4	1.844e4	8.653e2	7.322e2	1.18	NO	1.598e3	0.90077	0.90077	0.258
6	1,2,3,6,7,8-HxCDD	34.94	1.061e5	8.472e4	6.456e3	5.262e3	1.23	NO	1.172e4	6.0674	6.0674	0.269
7	Total Hexa-Dioxins	35.12	1.238e4	1.049e4	7.579e2	6.963e2	1.09	NO	1.454e3	0.85061	0.85061	0.288
8	1,2,3,7,8,9-HxCDD	35.23	3.543e4	2.933e4	2.545e3	2.064e3	1.23	NO	4.610e3	2.7836	2.7836	0.303

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.75	1.933e6	1.876e6	1.603e5	1.562e5	1.03	NO	3.165e5	253.69	253.69	0.903
2	1,2,3,4,6,7,8-HpCDD	38.77	1.513e6	1.485e6	1.121e5	1.094e5	1.02	NO	2.215e5	177.53	177.53	0.903

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Name: 200605R1_13, Date: 05-Jun-2020, Time: 19:08:52, ID: 2000995-09 PDI-072SC-B-02-04-200430 17.07, Description: PDI-072SC-B-02-04-200430

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.90	1.790e4	2.364e4	1.367e3	1.860e3	0.73	NO	3.227e3	1.0608	1.0608	0.158
2	Total Tetra-Furans	21.51	7.455e4	1.041e5	6.897e3	9.101e3	0.76	NO	1.600e4	5.2586	5.2586	0.158
3	Total Tetra-Furans	22.01	1.470e4	2.069e4	1.127e3	1.641e3	0.69	NO	0.000e0	0.00000	0.90987	0.158
4	Total Tetra-Furans	22.10	2.929e4	3.478e4	3.333e3	4.379e3	0.76	NO	0.000e0	0.00000	2.5350	0.158
5	Total Tetra-Furans	22.38	1.430e4	1.952e4	5.989e2	8.841e2	0.68	NO	0.000e0	0.00000	0.48748	0.158
6	Total Tetra-Furans	22.47	1.812e5	2.304e5	1.743e4	2.327e4	0.75	NO	0.000e0	0.00000	13.378	0.158
7	Total Tetra-Furans	22.97	5.856e4	6.790e4	5.165e3	6.761e3	0.76	NO	0.000e0	0.00000	3.9203	0.158
8	Total Tetra-Furans	23.13	1.785e4	1.818e4	1.378e3	1.569e3	0.88	NO	0.000e0	0.00000	0.96856	0.158
9	Total Tetra-Furans	23.33	2.807e4	4.271e4	2.733e3	3.826e3	0.71	NO	0.000e0	0.00000	2.1559	0.158
10	Total Tetra-Furans	23.77	7.809e3	1.306e4	6.990e2	1.006e3	0.69	NO	1.705e3	0.56046	0.56046	0.158
11	Total Tetra-Furans	23.91	8.401e3	1.276e4	6.749e2	9.507e2	0.71	NO	0.000e0	0.00000	0.53438	0.158
12	Total Tetra-Furans	24.07	4.051e4	4.893e4	2.682e3	3.478e3	0.77	NO	0.000e0	0.00000	2.0246	0.158
13	Total Tetra-Furans	24.16	8.741e4	1.117e5	8.089e3	1.150e4	0.70	NO	0.000e0	0.00000	6.4392	0.158
14	Total Tetra-Furans	24.69	8.299e5	1.114e6	6.525e4	8.742e4	0.75	NO	0.000e0	0.00000	50.187	0.158
15	Total Tetra-Furans	24.79	1.729e4	2.324e4	1.165e3	1.447e3	0.81	NO	0.000e0	0.00000	0.85859	0.158
13	Total Tetra-Furans	24.96	2.552e4	3.974e4	2.270e3	3.222e3	0.70	NO	0.000e0	0.00000	1.8054	0.158
17	Total Tetra-Furans	25.18	7.821e3	1.016e4	6.308e2	9.627e2	0.66	NO	0.000e0	0.00000	0.52380	0.158
18	Total Tetra-Furans	25.42	1.047e4	1.944e4	8.023e2	1.177e3	0.68	NO	0.000e0	0.00000	0.65070	0.158
19	Total Tetra-Furans	25.51	8.819e4	1.138e5	5.414e3	7.283e3	0.74	NO	0.000e0	0.00000	4.1739	0.158
20	2,3,7,8-TCDF	25.63	9.699e5	1.296e6	7.475e4	9.995e4	0.75	NO	1.747e5	57.427	57.427	0.158
21	Total Tetra-Furans	25.77	1.525e4	2.283e4	1.415e3	2.029e3	0.70	NO	3.443e3	1.1319	1.1319	0.158
22	Total Tetra-Furans	25.99	4.903e4	6.498e4	3.523e3	4.533e3	0.78	NO	8.056e3	2.6483	2.6483	0.158
23	Total Tetra-Furans	26.26	6.958e3	9.172e3	4.815e2	6.067e2	0.79	NO	1.088e3	0.35769	0.35769	0.158
24	Total Tetra-Furans	27.62	8.258e4	1.026e5	5.493e3	6.346e3	0.87	NO	1.184e4	3.8916	3.8916	0.158

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	27.61	4.251e5	2.601e5	2.580e4	1.621e4	1.59	NO	4.201e4	13.096	13.096	0.0423

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-13.qld

Last Altered: Thursday, June 11, 2020 11:39:04 AM Pacific Daylight Time

Printed: Thursday, June 11, 2020 11:39:33 AM Pacific Daylight Time

Name: 200605R1_13, Date: 05-Jun-2020, Time: 19:08:52, ID: 2000995-09 PDI-072SC-B-02-04-200430 17.07, Description: PDI-072SC-B-02-04-200430

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.06	5.748e4	3.584e4	3.395e3	2.287e3	1.48	NO	5.682e3	1.7711	1.7711	0.379
2	Total Penta-Furans	29.19	1.222e6	8.115e5	7.534e4	4.836e4	1.56	NO	1.237e5	38.560	38.560	0.379
3	Total Penta-Furans	29.25	1.254e5	7.227e4	4.446e3	3.174e3	1.40	NO	7.620e3	2.3751	2.3751	0.379
4	Total Penta-Furans	29.79	8.004e4	5.863e4	5.129e3	3.793e3	1.35	NO	8.922e3	2.7811	2.7811	0.379
5	Total Penta-Furans	29.82	3.769e4	2.647e4	2.034e3	1.339e3	1.52	NO	0.000e0	0.00000	1.0514	0.379
6	Total Penta-Furans	30.00	3.442e5	2.105e5	1.794e4	1.167e4	1.54	NO	2.961e4	9.2301	9.2301	0.379
7	1,2,3,7,8-PeCDF	30.18	2.495e6	1.619e6	1.374e5	8.891e4	1.55	NO	2.263e5	68.952	68.952	0.381
8	Total Penta-Furans	30.26	1.283e5	6.664e4	5.013e3	2.899e3	1.73	NO	7.912e3	2.4664	2.4664	0.379
9	Total Penta-Furans	30.46	8.963e5	5.794e5	5.196e4	3.363e4	1.55	NO	8.559e4	26.679	26.679	0.379
10	Total Penta-Furans	31.05	2.347e4	1.743e4	1.210e3	7.803e2	1.55	NO	1.990e3	0.62034	0.62034	0.379
11	2,3,4,7,8-PeCDF	31.16	1.295e6	8.410e5	6.159e4	4.002e4	1.54	NO	1.016e5	30.950	30.950	0.360
12	Total Penta-Furans	31.19	8.358e5	5.387e5	2.285e4	1.460e4	1.57	NO	3.745e4	11.674	11.674	0.379
13	Total Penta-Furans	32.11	5.433e4	3.612e4	3.344e3	2.082e3	1.61	NO	5.426e3	1.6913	1.6913	0.379

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.79	8.911e4	7.794e4	4.391e3	3.940e3	1.11	NO	8.332e3	3.9175	3.9175	0.360
2	Total Hexa-Furans	32.96	3.282e5	2.661e5	1.754e4	1.446e4	1.21	NO	3.201e4	15.050	15.050	0.360
3	Total Hexa-Furans	33.31	9.206e3	5.866e3	4.702e2	3.704e2	1.27	NO	8.406e2	0.39523	0.39523	0.360
4	Total Hexa-Furans	33.49	4.793e5	4.329e5	2.549e4	2.136e4	1.19	NO	4.685e4	22.029	22.029	0.360
5	Total Hexa-Furans	33.86	2.255e4	1.702e4	9.148e2	7.287e2	1.26	NO	1.643e3	0.77275	0.77275	0.360
6	1,2,3,4,7,8-HxCDF	33.96	1.395e6	1.174e6	7.961e4	6.510e4	1.22	NO	1.447e5	72.717	72.717	0.356
7	1,2,3,6,7,8-HxCDF	34.08	3.215e5	2.740e5	2.005e4	1.666e4	1.20	NO	3.672e4	15.658	15.658	0.309
8	Total Hexa-Furans	34.15	2.518e4	2.296e4	1.322e3	1.079e3	1.23	NO	2.401e3	1.1290	1.1290	0.360
9	Total Hexa-Furans	34.37	9.974e3	7.598e3	5.737e2	4.675e2	1.23	NO	1.041e3	0.48957	0.48957	0.360
10	2,3,4,6,7,8-HxCDF	34.68	1.026e5	9.222e4	6.000e3	5.015e3	1.20	NO	1.101e4	5.1607	5.1607	0.348
11	1,2,3,7,8,9-HxCDF	35.63	1.198e5	1.015e5	6.965e3	5.987e3	1.16	NO	1.295e4	7.6874	7.6874	0.524
12	Total Hexa-Furans	35.66	9.034e4	5.638e4	1.880e3	1.329e3	1.42	NO	3.209e3	1.5088	1.5088	0.360

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-13.qld

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Printed: Thursday, June 11, 2020 11:39:33 AM Pacific Daylight Time

Name: 200605R1_13, Date: 05-Jun-2020, Time: 19:08:52, ID: 2000995-09 PDI-072SC-B-02-04-200430 17.07, Description: PDI-072SC-B-02-04-200430

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.36	2.621e5	2.408e5	1.915e4	1.869e4	1.02	NO	3.784e4	25.878	25.878	0.498
2	Total Hepta-Furans	37.76	5.949e3	7.554e3	4.020e2	3.994e2	1.01	NO	8.014e2	0.66388	0.66388	0.551
3	Total Hepta-Furans	37.98	5.445e5	5.547e5	4.363e4	4.382e4	1.00	NO	8.744e4	72.434	72.434	0.551
4	1,2,3,4,7,8,9-HpCDF	39.31	5.832e4	5.503e4	3.429e3	3.444e3	1.00	NO	6.873e3	6.2234	6.2234	0.545

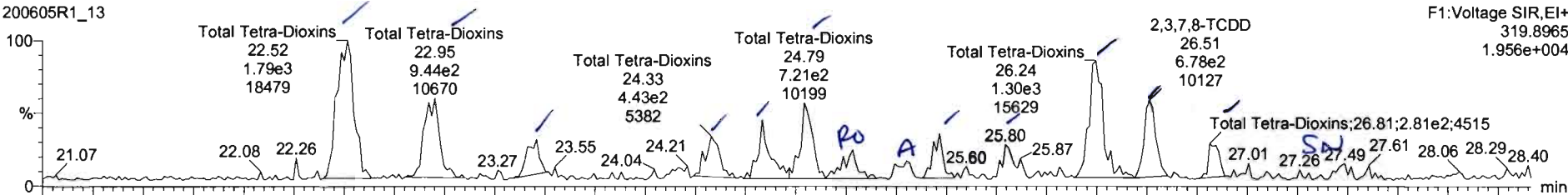
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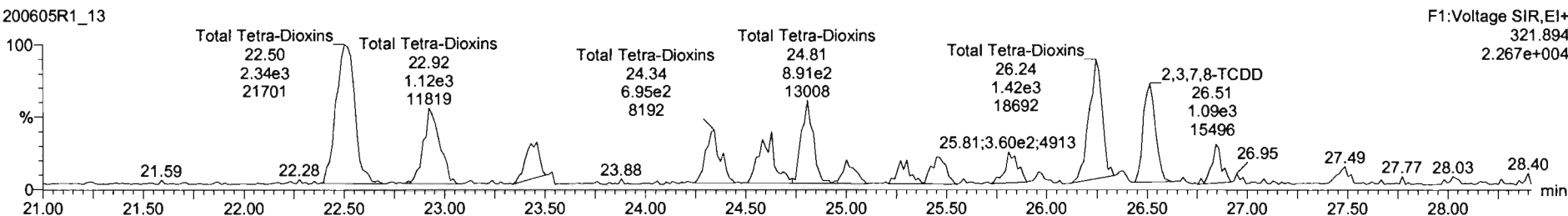
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2,3,7,8-TCDD

200605R1_13

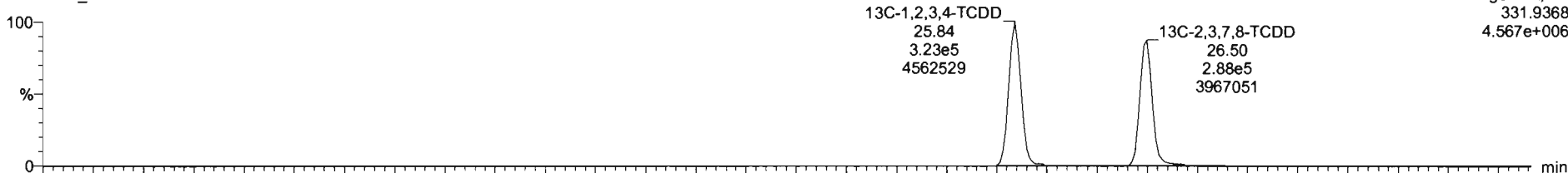


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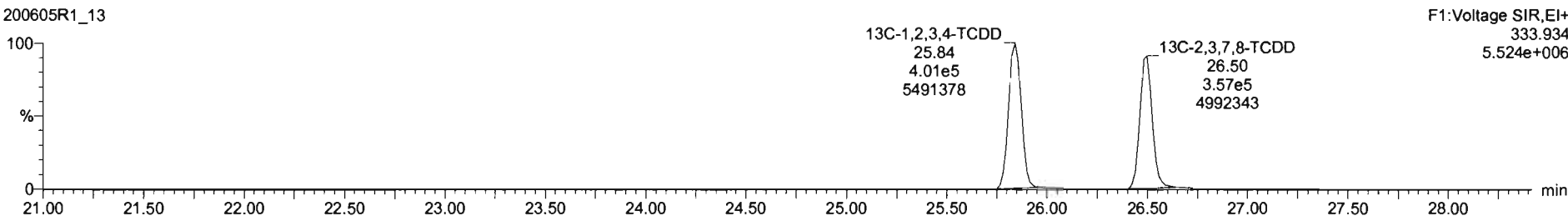


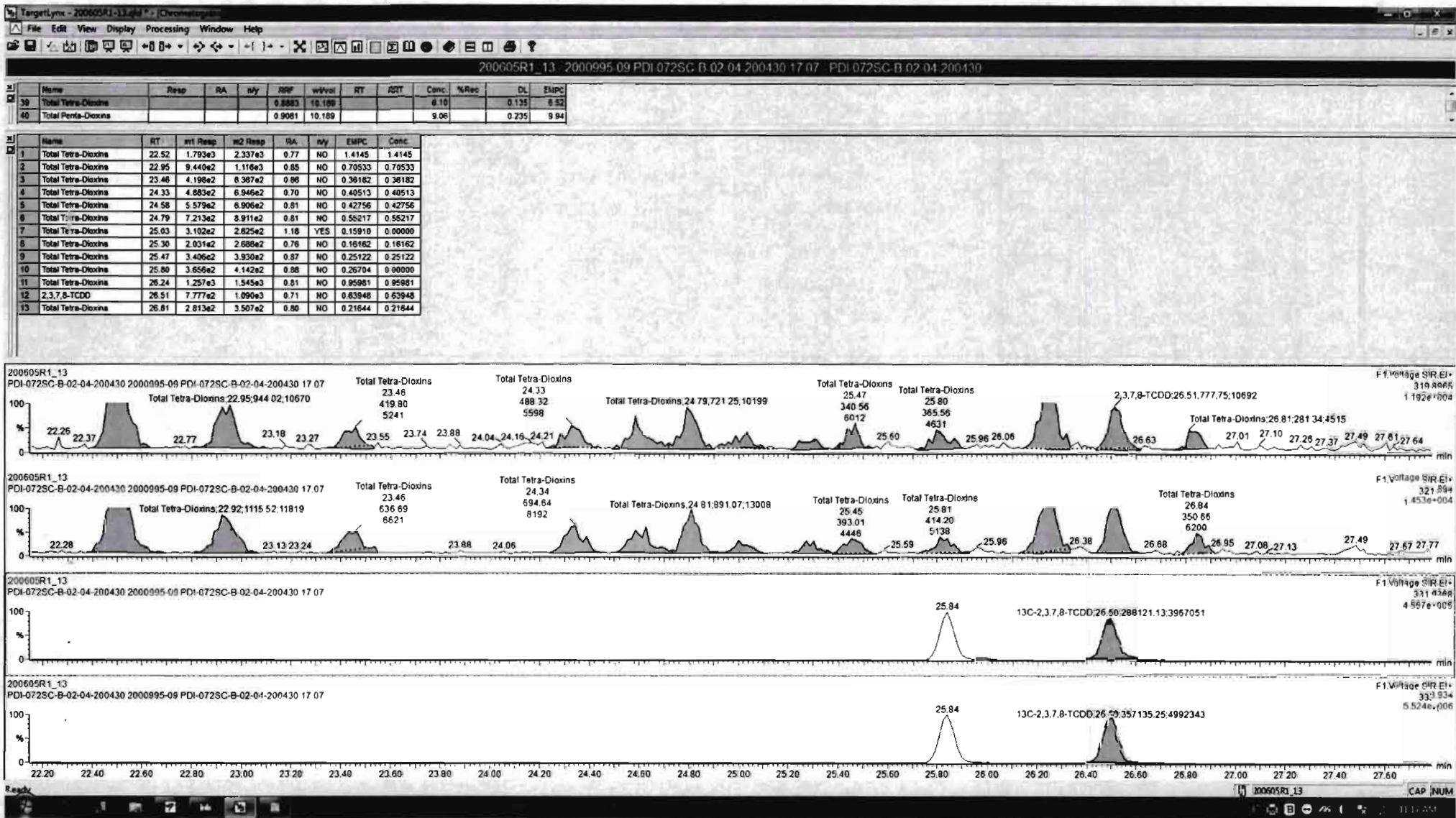
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200605R1_13



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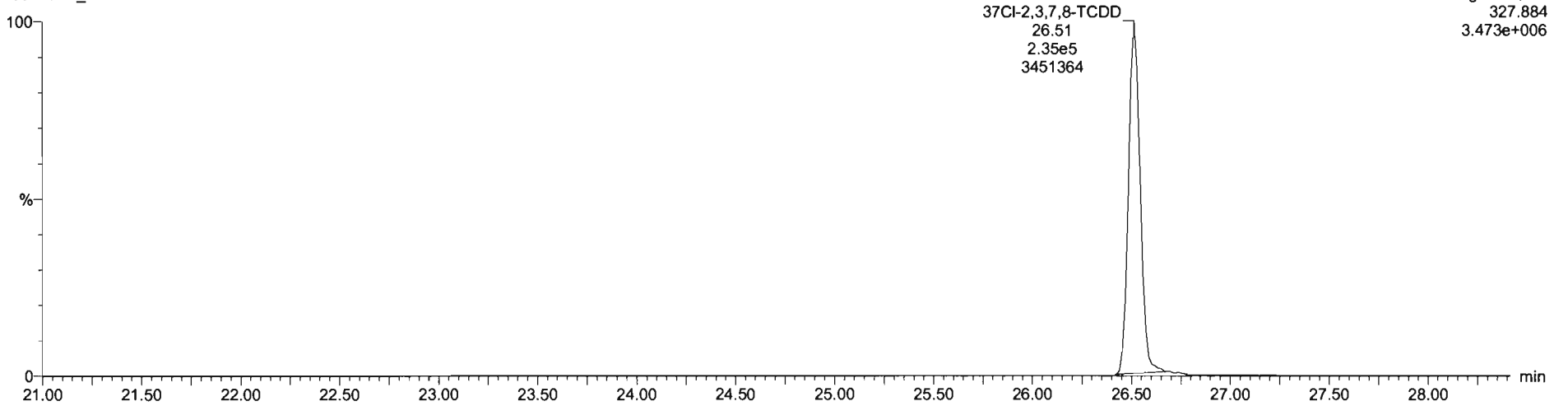
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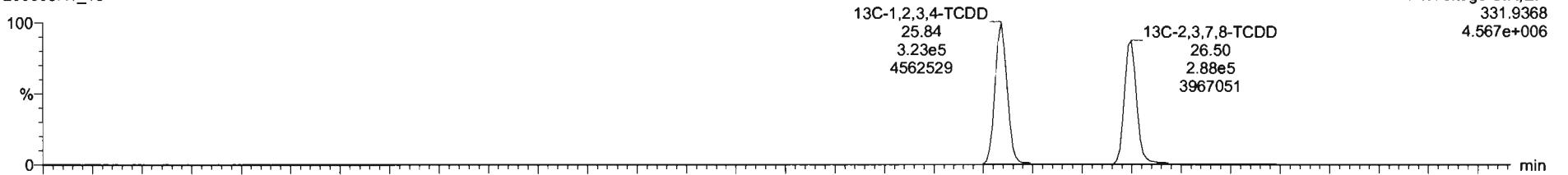
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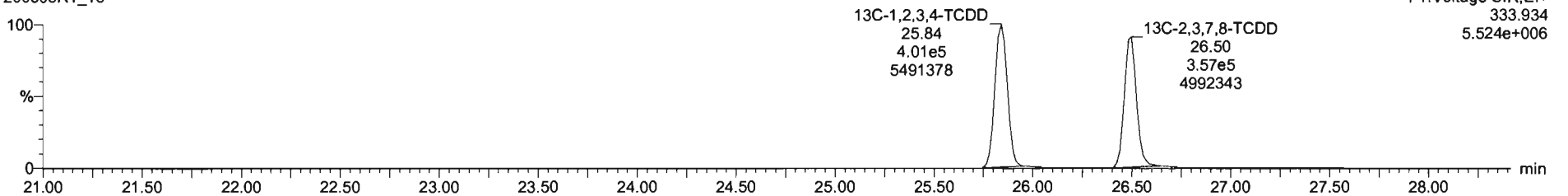


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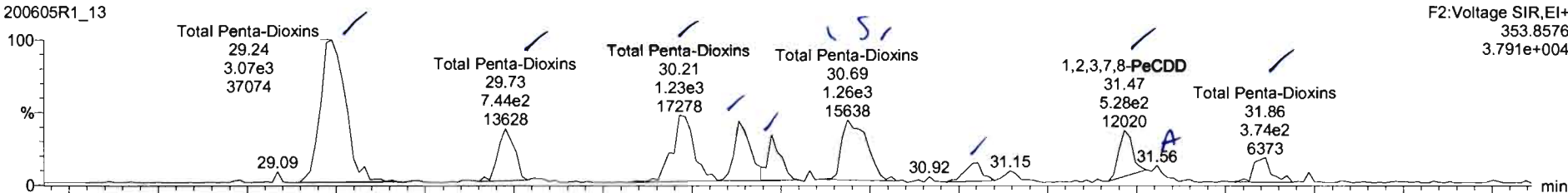
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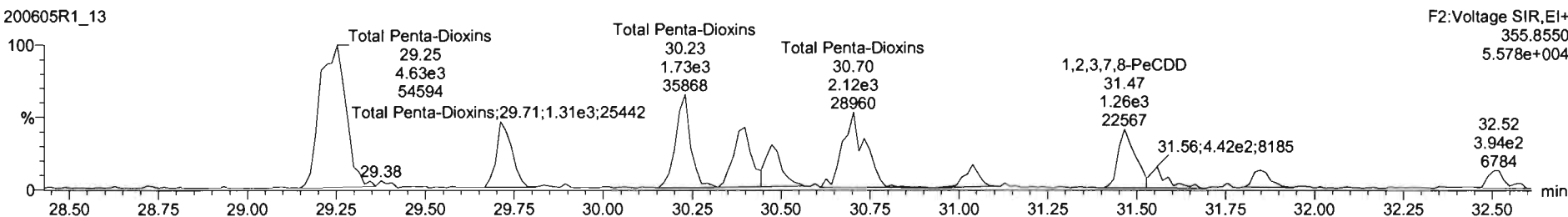
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1,2,3,7,8-PeCDD

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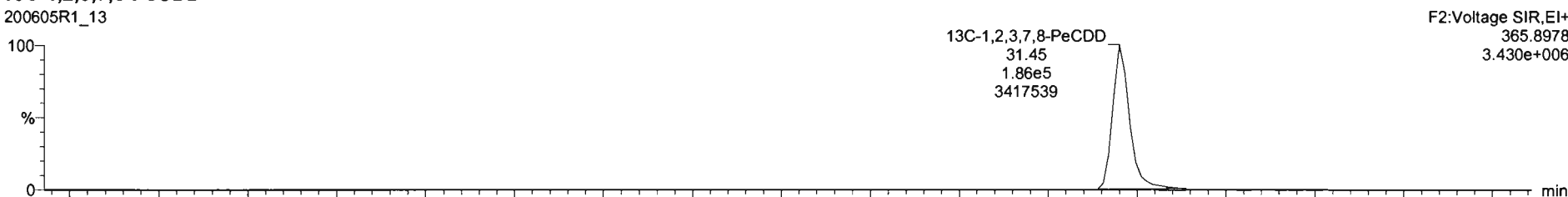


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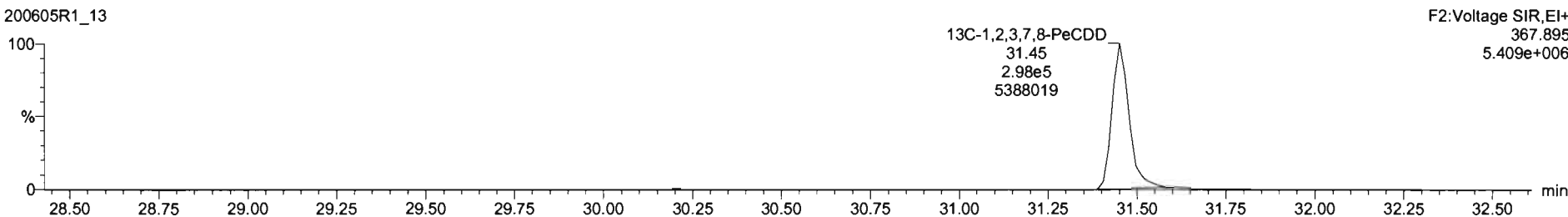


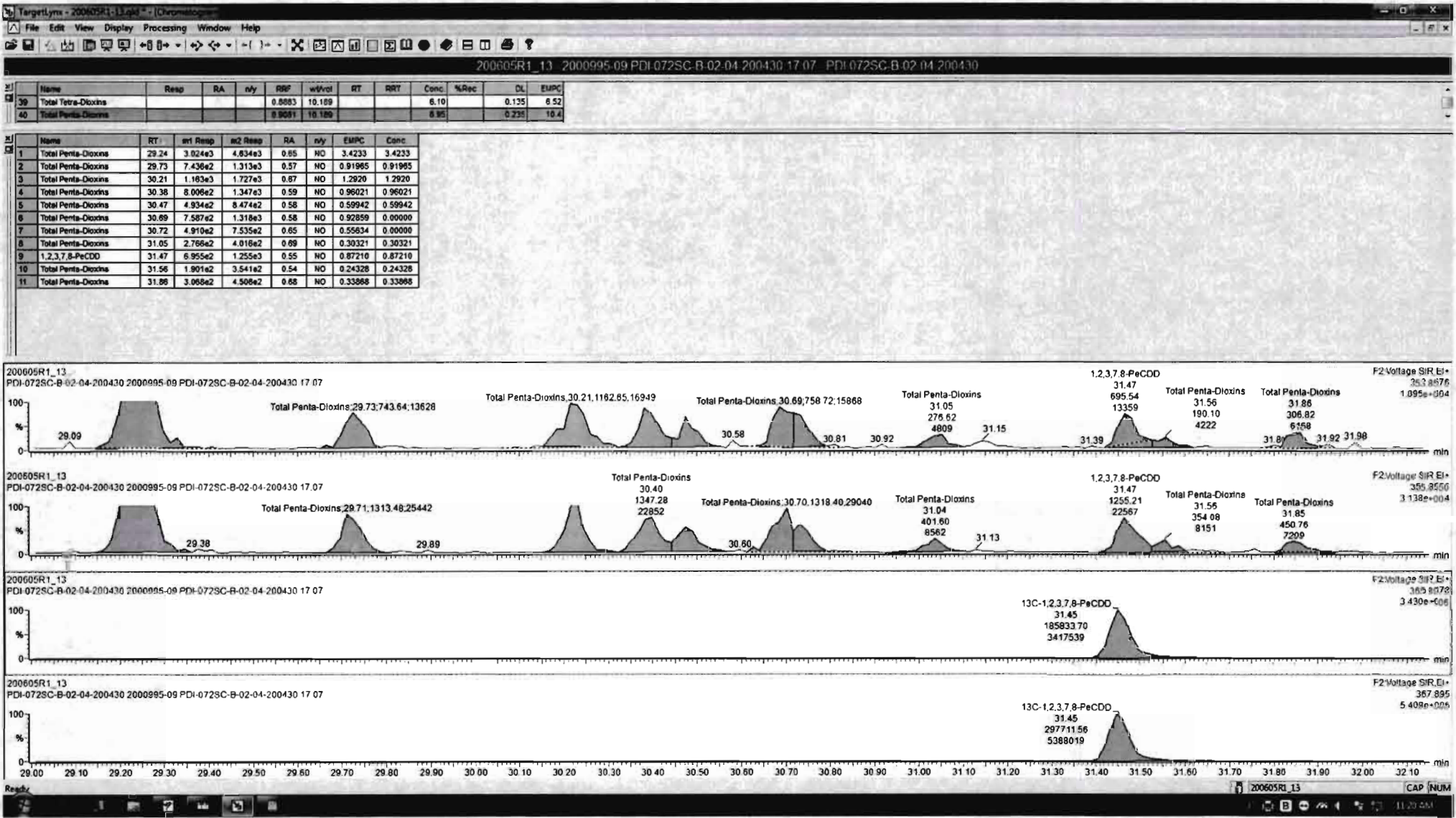
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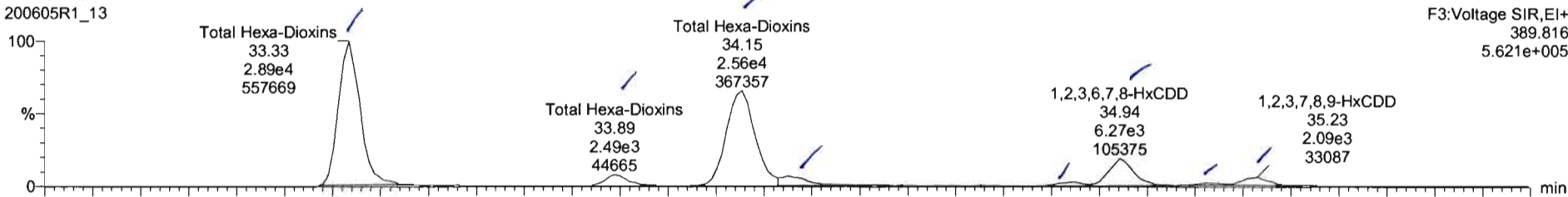
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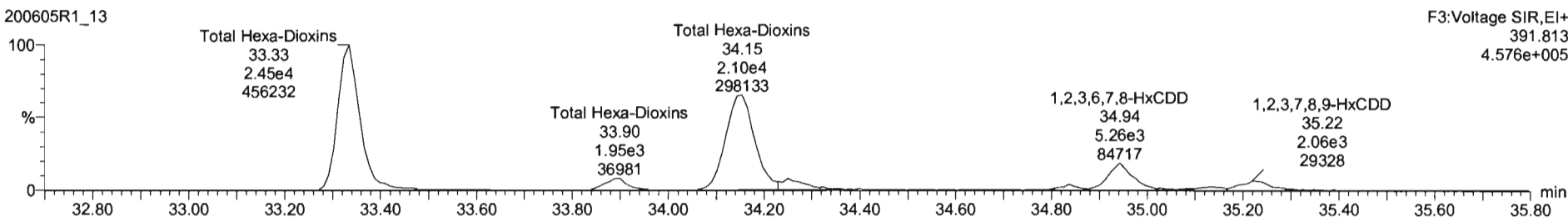
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1,2,3,4,7,8-HxCDD

200605R1_13



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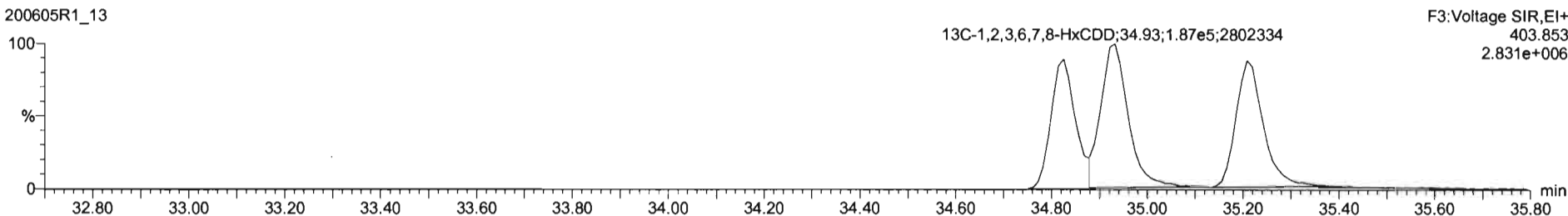


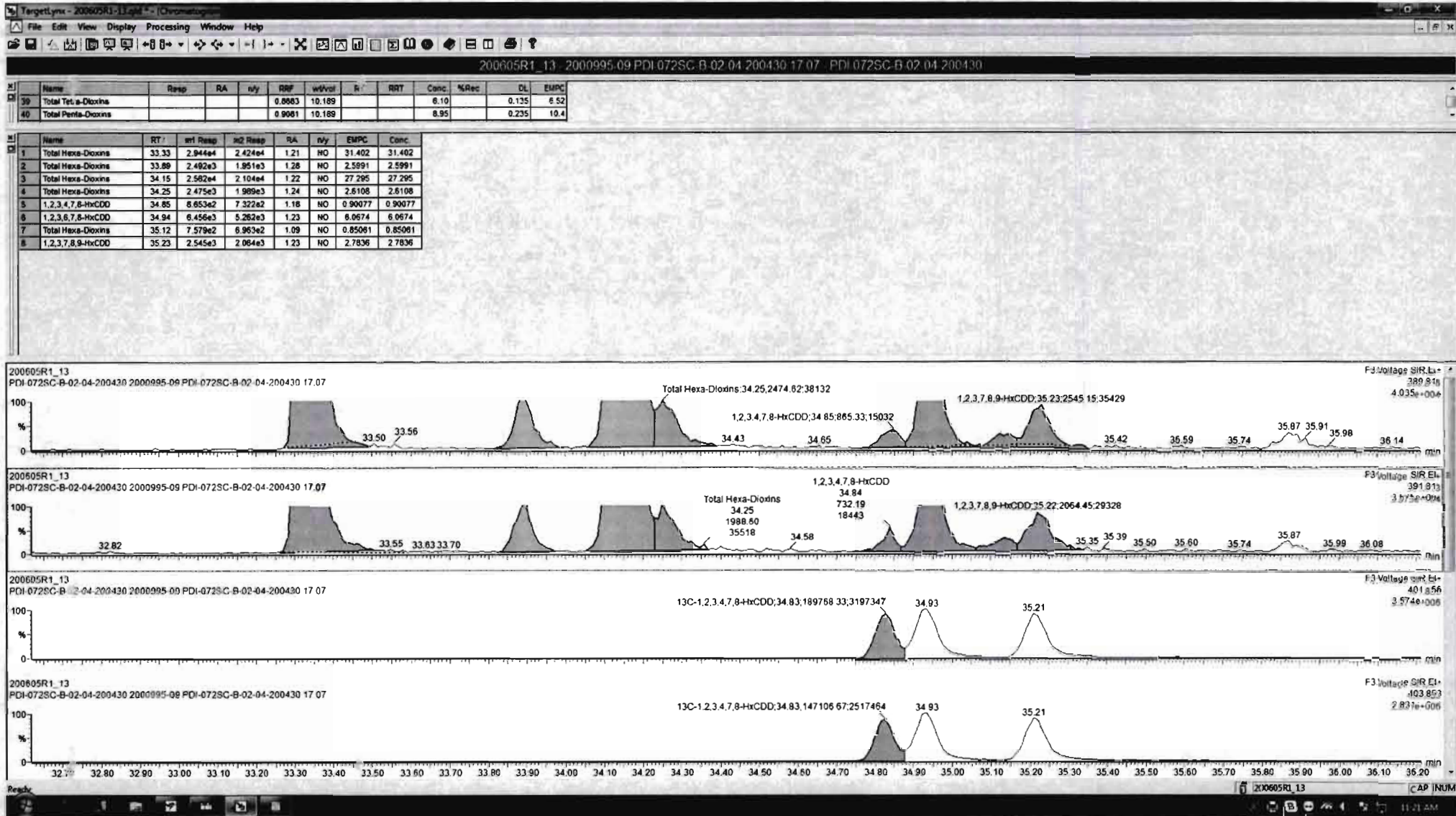
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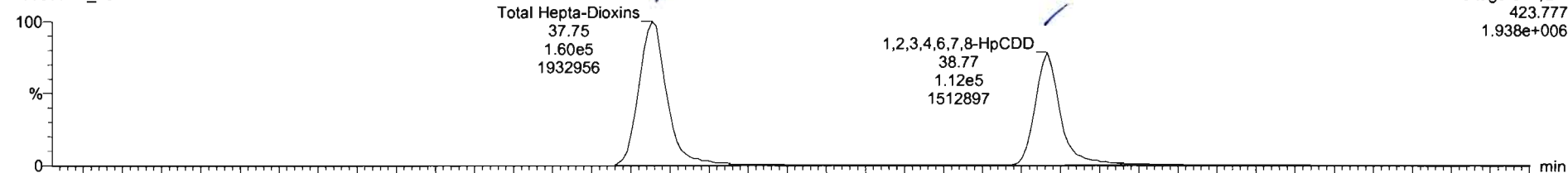
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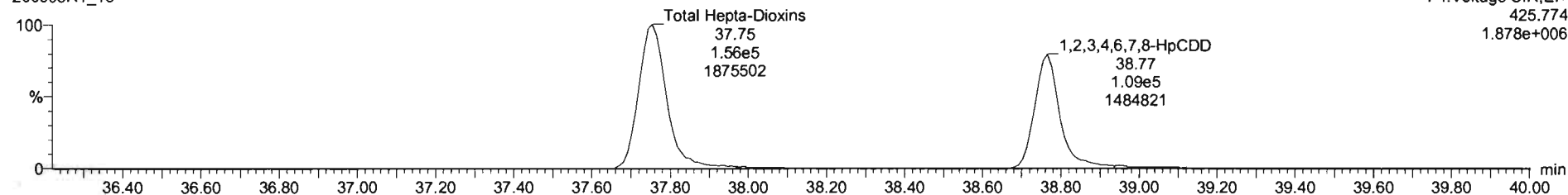
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1,2,3,4,6,7,8-HpCDD

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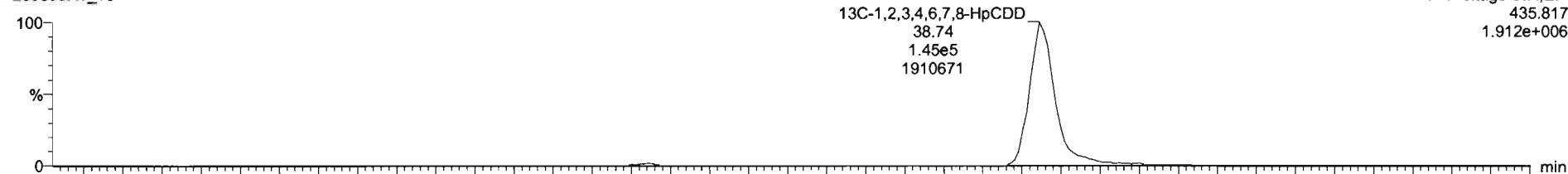


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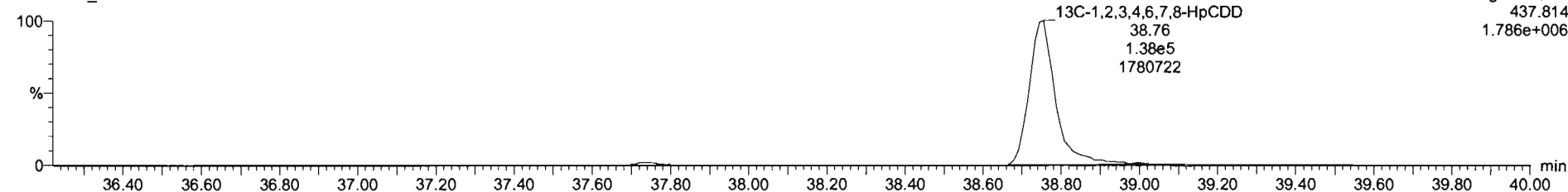


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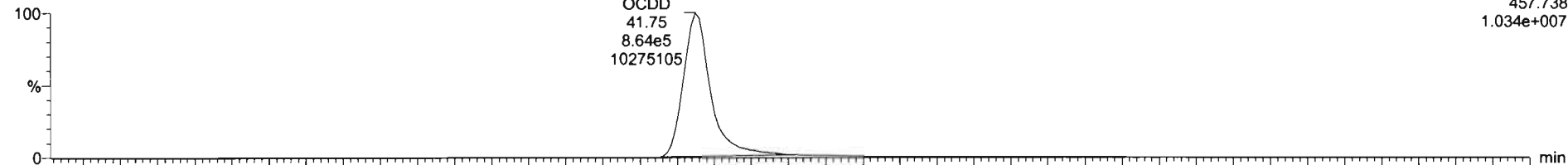
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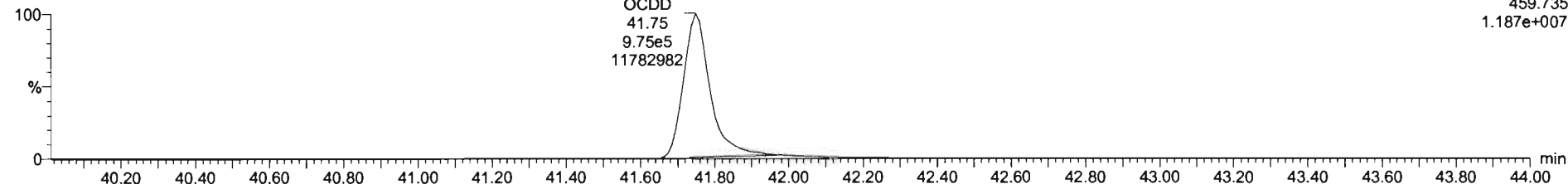
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OCDD

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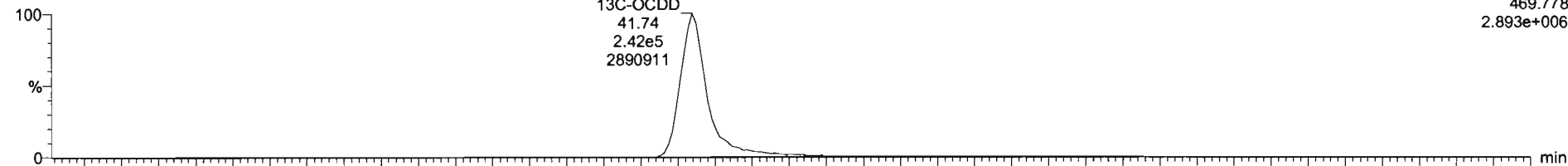


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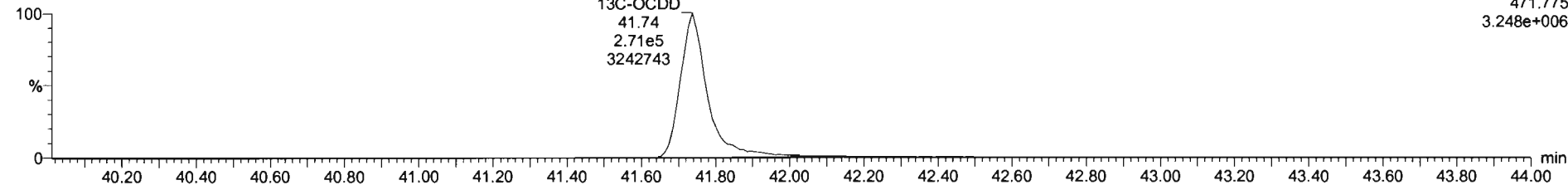


13C-OCDD

200605R1_13



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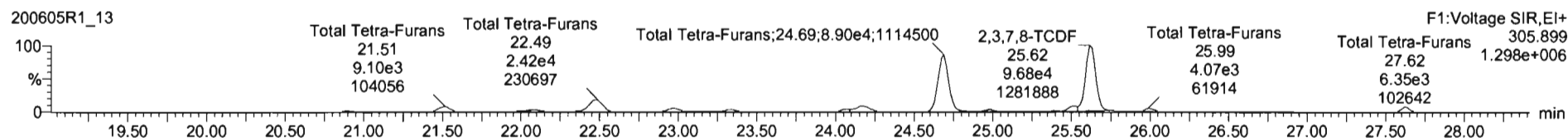
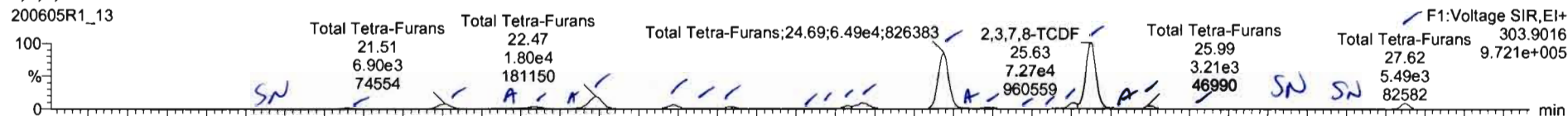


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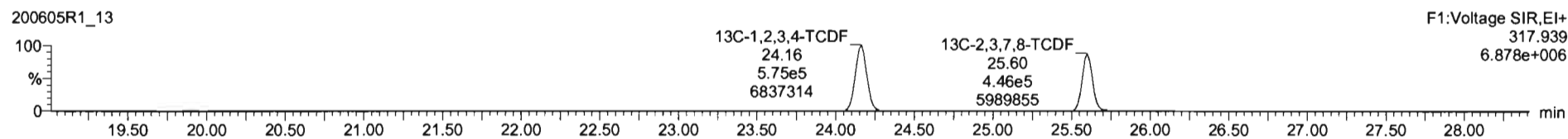
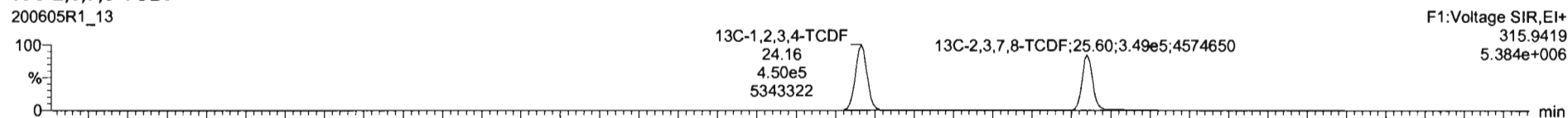
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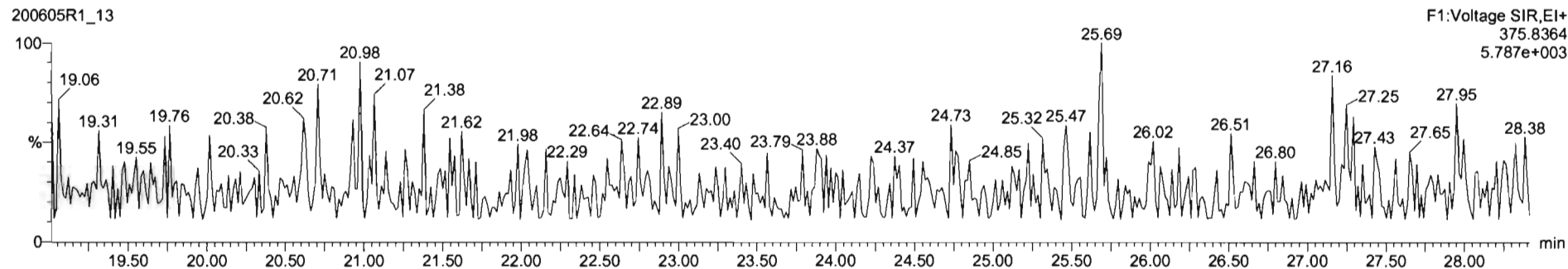
2,3,7,8-TCDF

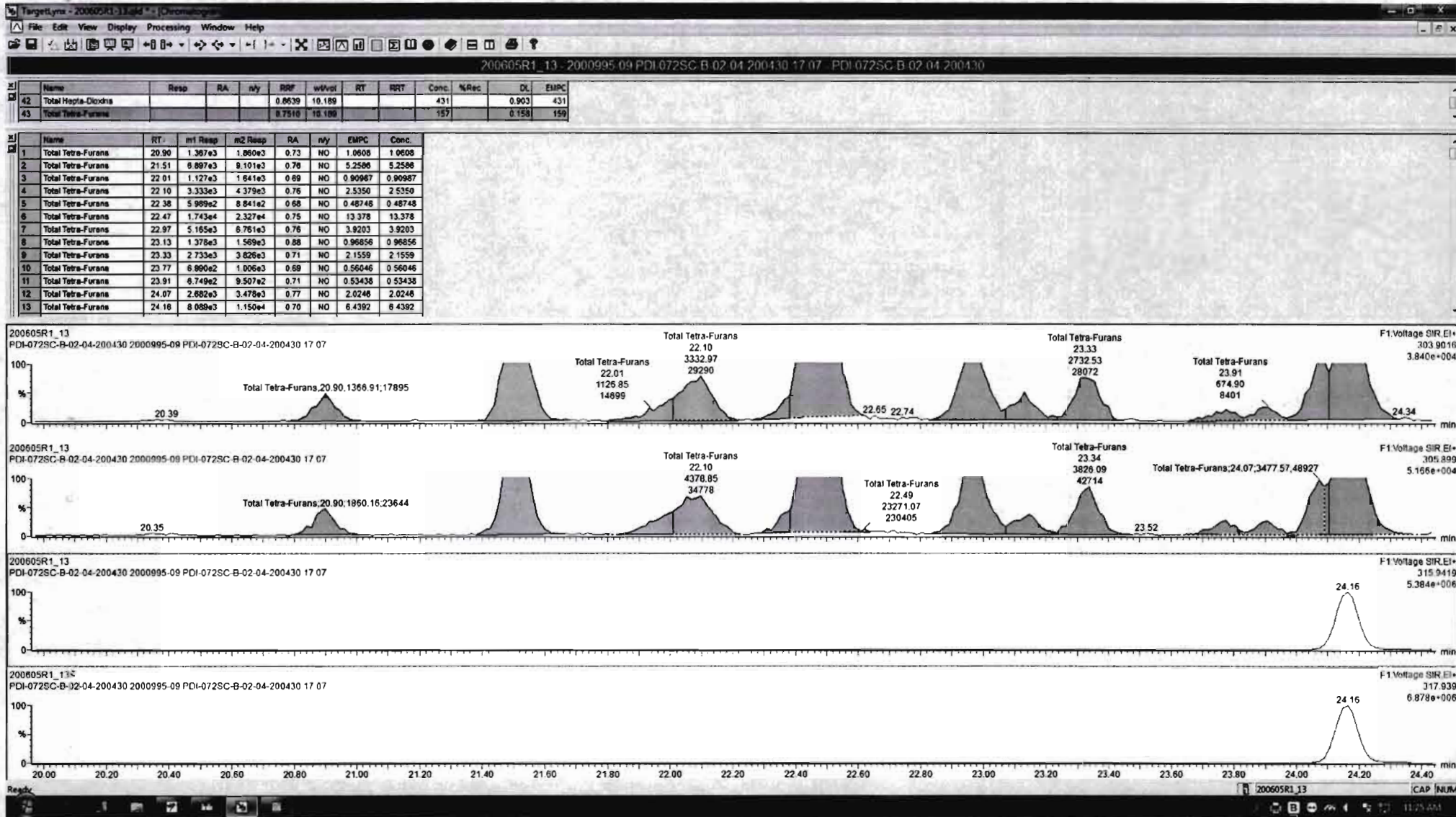


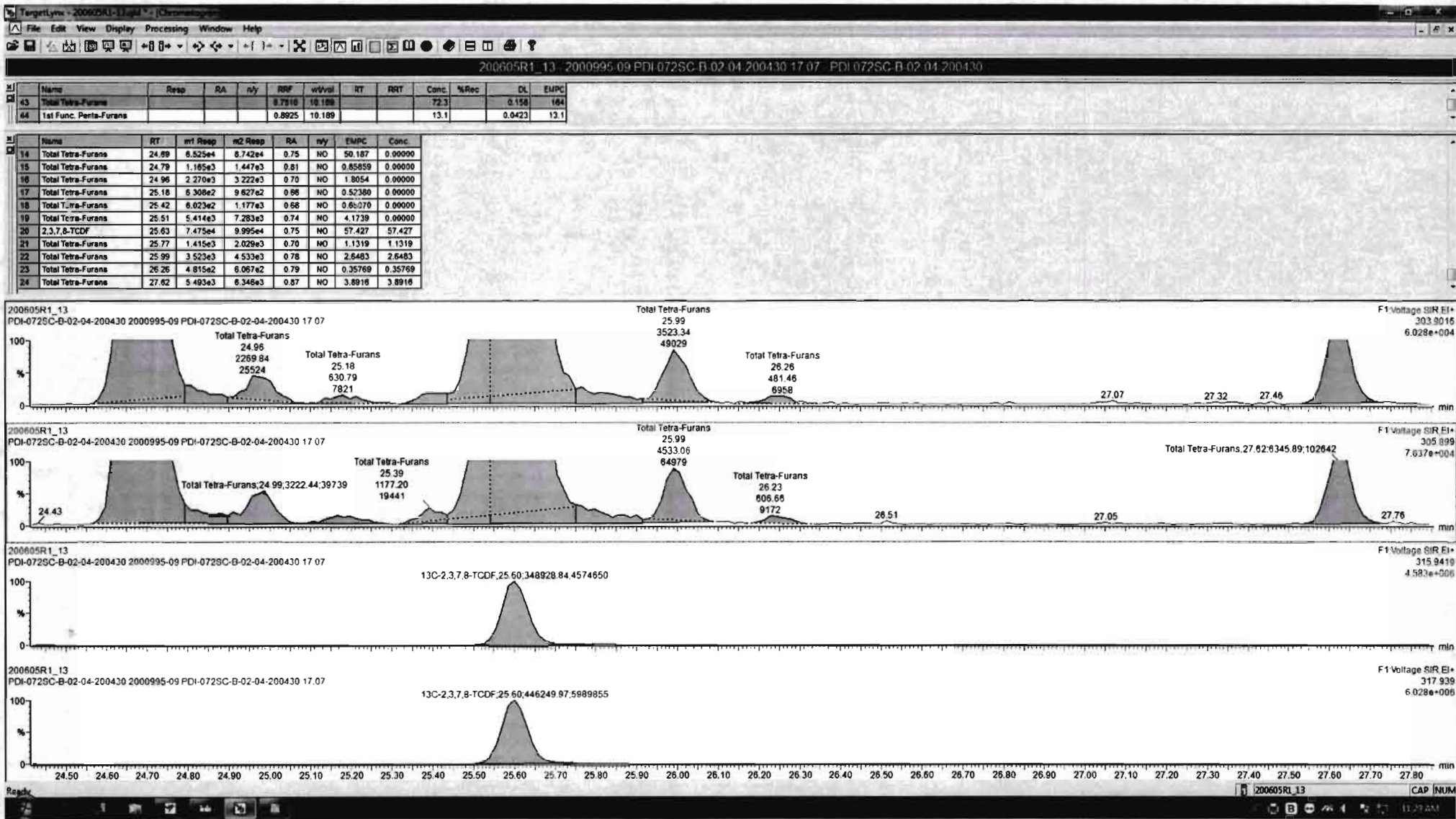
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DPE1







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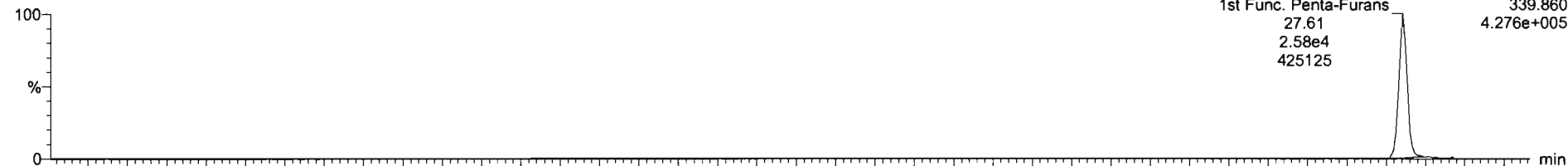
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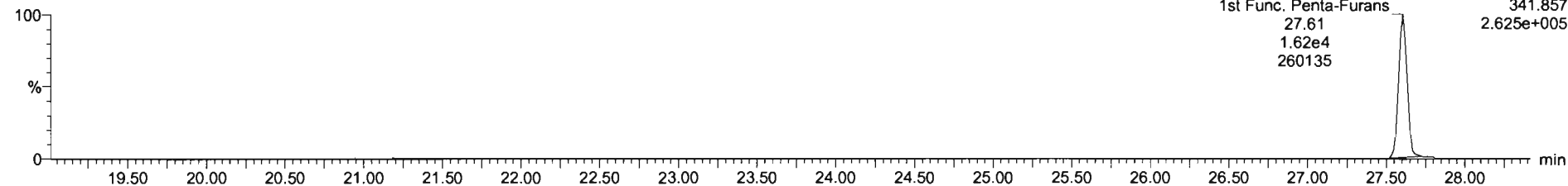
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1st Func. Penta-Furans

200605R1_13

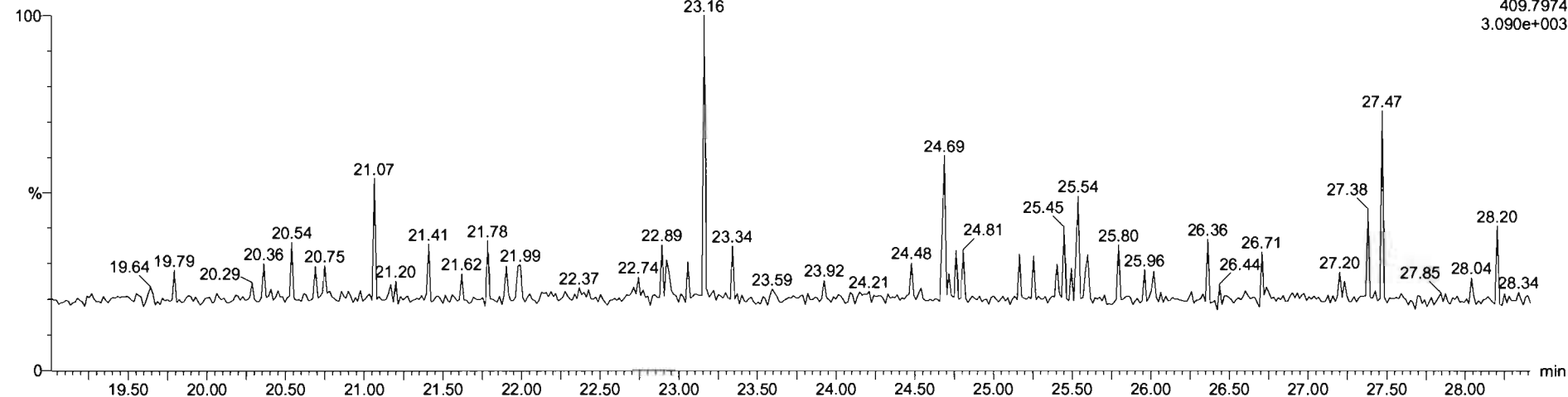


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DPE6

200605R1_13



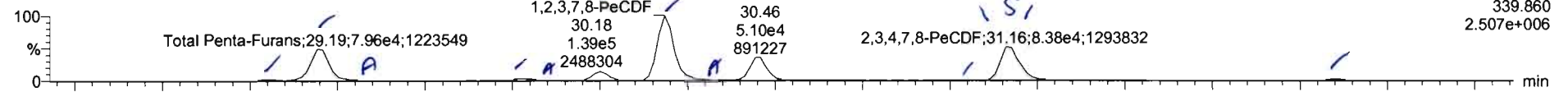
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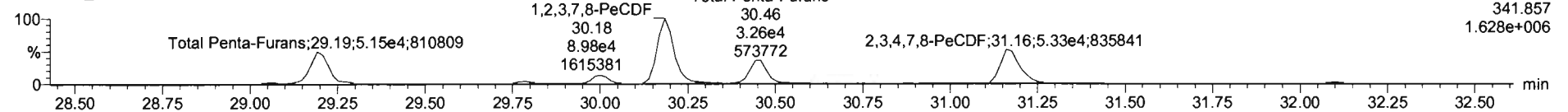
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1,2,3,7,8-PeCDF

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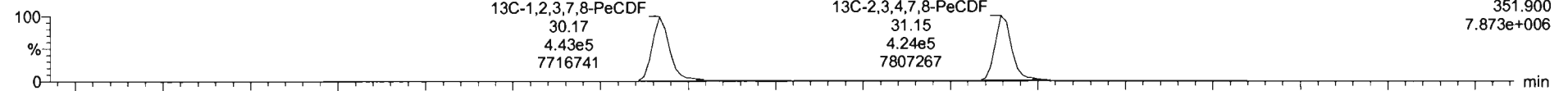


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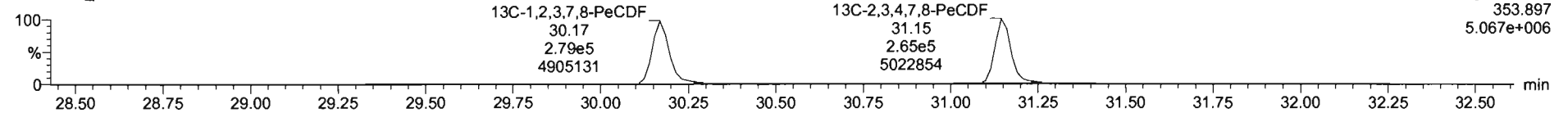


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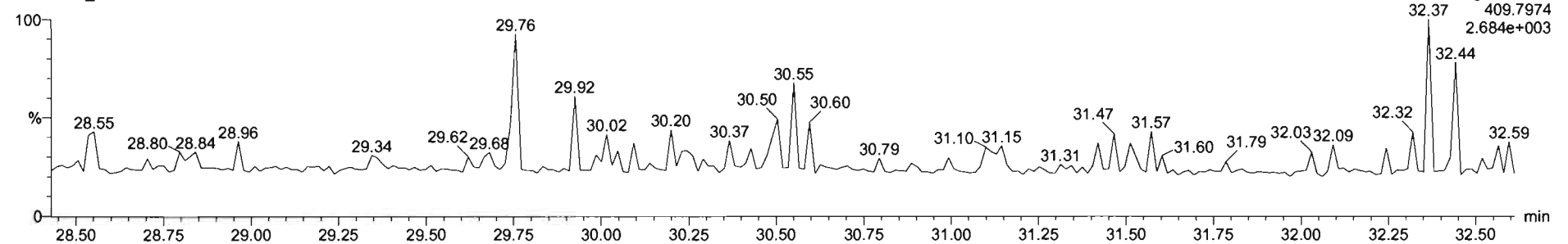


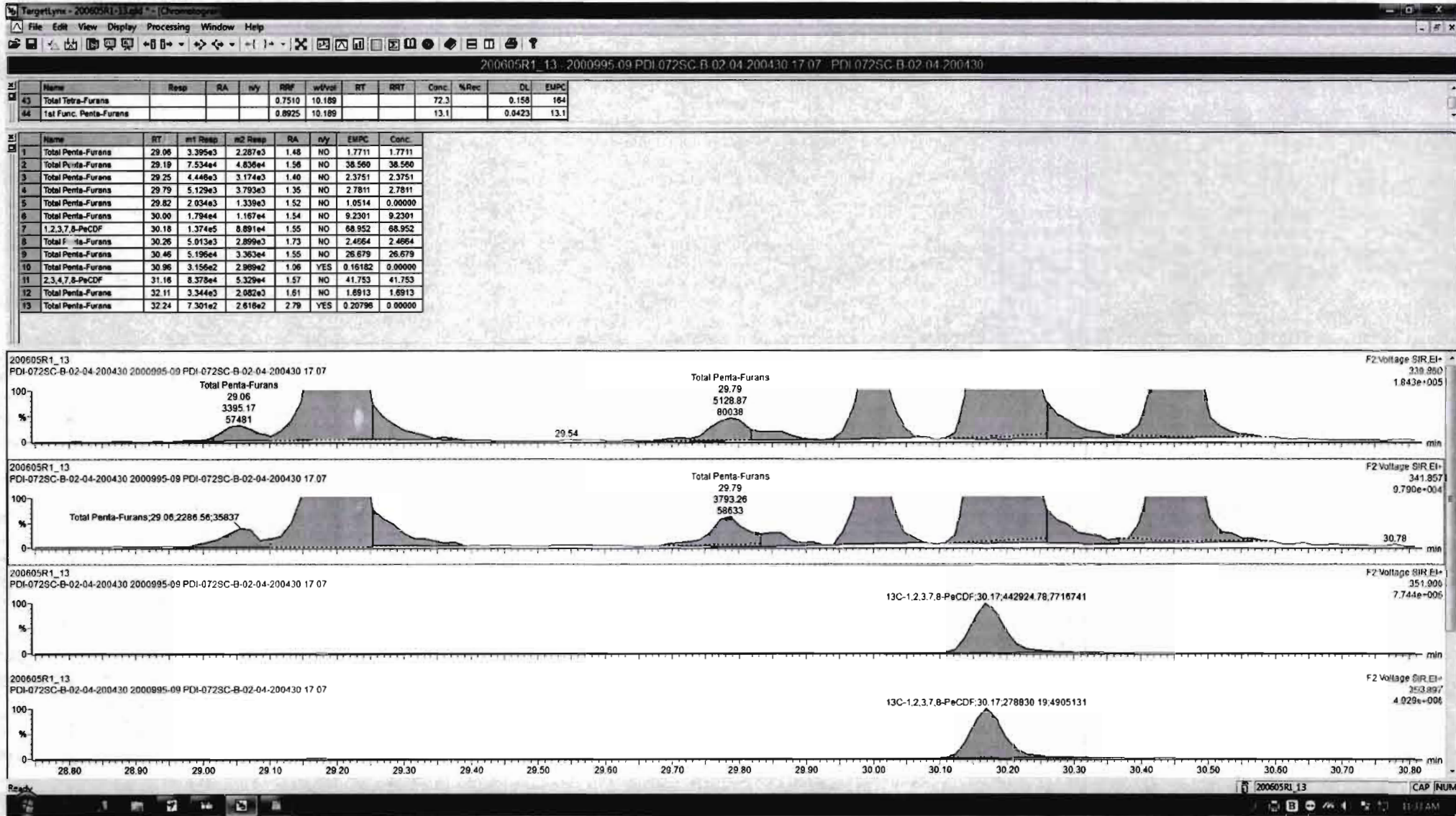
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DPE2

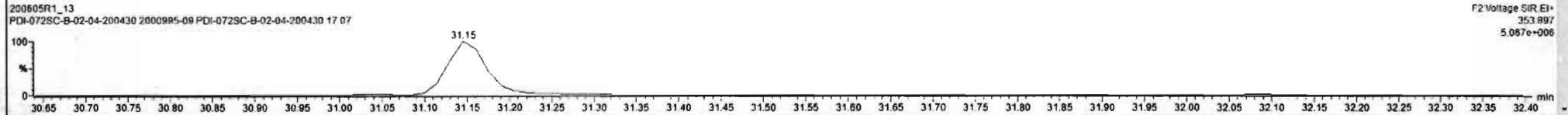
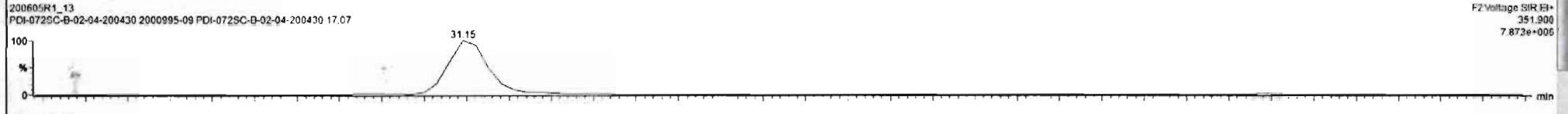
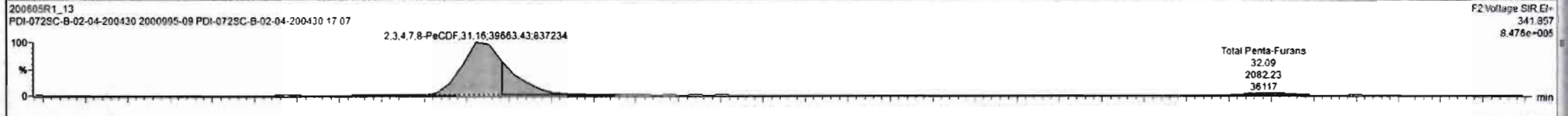
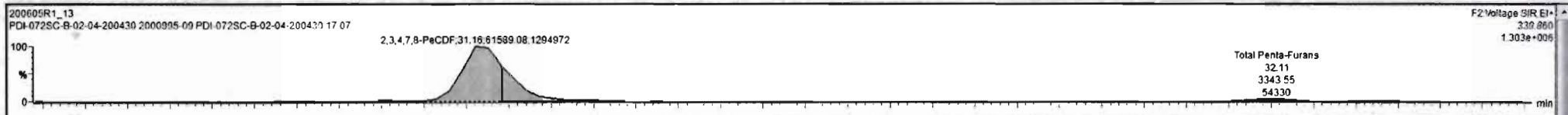
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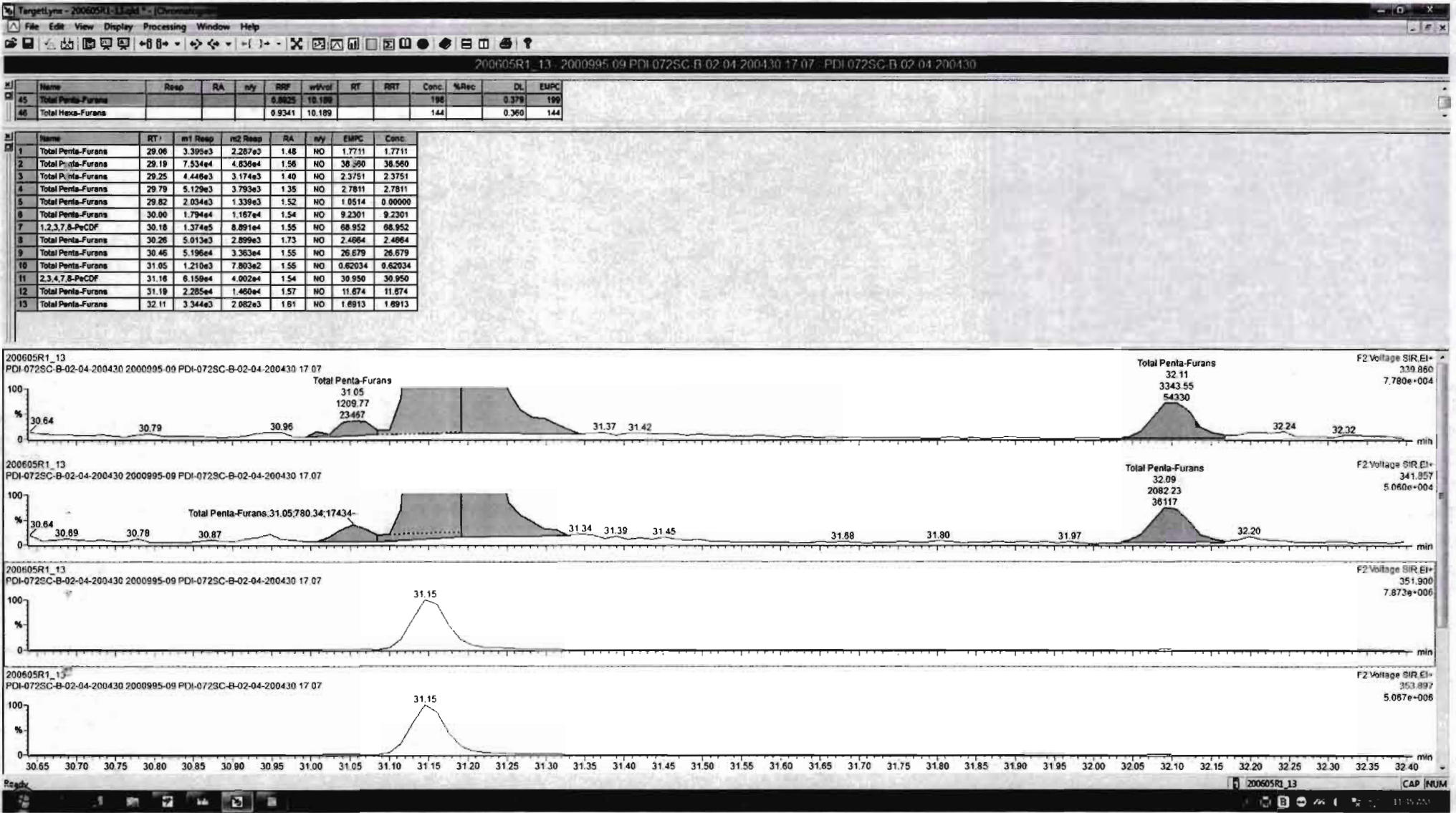




Name	Resp	RA	n/y	RF	w/vo	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				8.8925	10.189			198		0.379	199
46 Total Hexa-Furans				9.9341	10.189			144		0.360	144

Name	RT	Int Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.06	3.395e3	2.287e3	1.48	NO	1.7711	1.7711
2 Total Penta-Furans	29.19	7.534e4	4.836e4	1.56	NO	38.560	38.560
3 Total Penta-Furans	29.25	4.446e3	3.174e3	1.40	NO	2.3751	2.3751
4 Total Penta-Furans	29.79	5.129e3	3.793e3	1.35	NO	2.7811	2.7811
5 Total Penta-Furans	29.82	2.034e3	1.339e3	1.52	NO	1.0514	0.00009
6 Total Penta-Furans	30.00	1.794e4	1.167e4	1.54	NO	9.2301	9.2301
7 1,2,3,7,8-PeCDF	30.16	1.374e5	8.891e4	1.55	NO	68.952	68.952
8 Total Penta-Furans	30.26	5.013e3	2.899e3	1.73	NO	2.4664	2.4664
9 Total Penta-Furans	30.46	5.196e4	3.363e4	1.55	NO	26.679	26.679
10 Total Penta-Furans	31.05	1.210e3	7.803e2	1.55	NO	0.62034	0.62034
11 2,3,4,7,8-PeCDF	31.16	8.159e4	3.968e4	1.55	NO	30.843	30.843
12 Total Penta-Furans	31.19	2.285e4	1.433e4	1.59	NO	11.590	11.590
13 Total Penta-Furans	32.11	3.344e3	2.082e3	1.61	NO	1.6913	1.6913



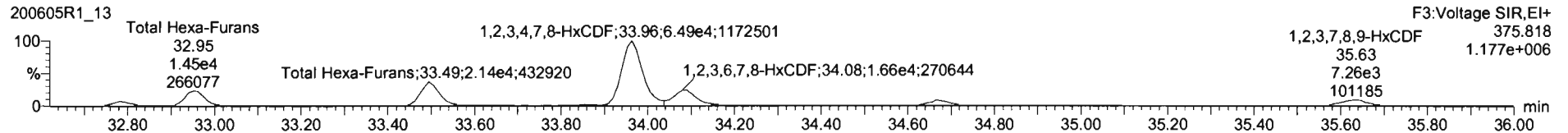
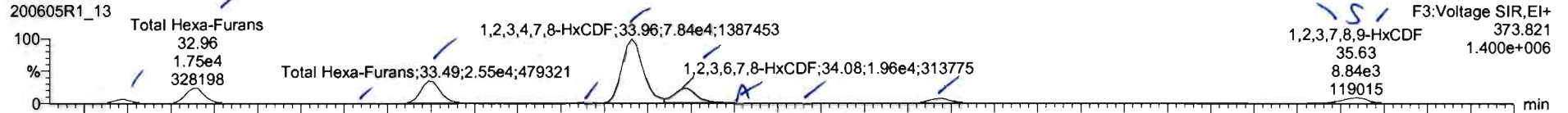


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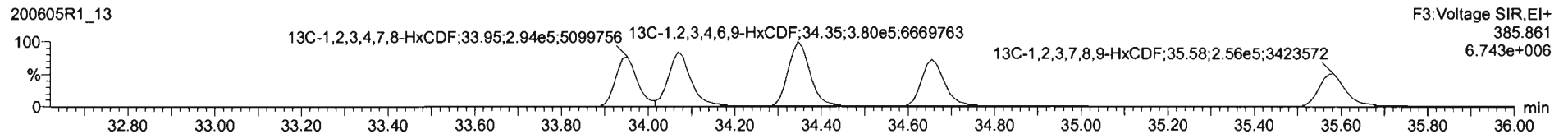
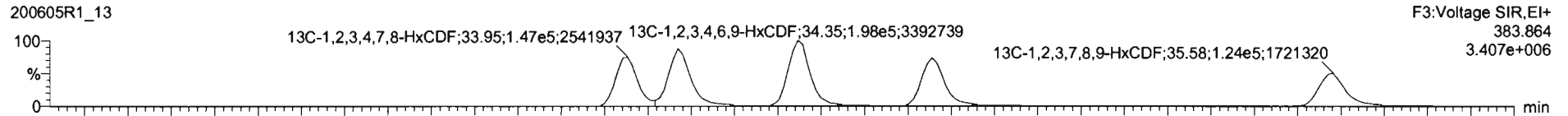
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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

Name: 200605R1_13, Date: 05-Jun-2020, Time: 19:08:52, ID: 2000995-09 PDI-072SC-B-02-04-200430 17.07, Description: PDI-072SC-B-02-04-200430

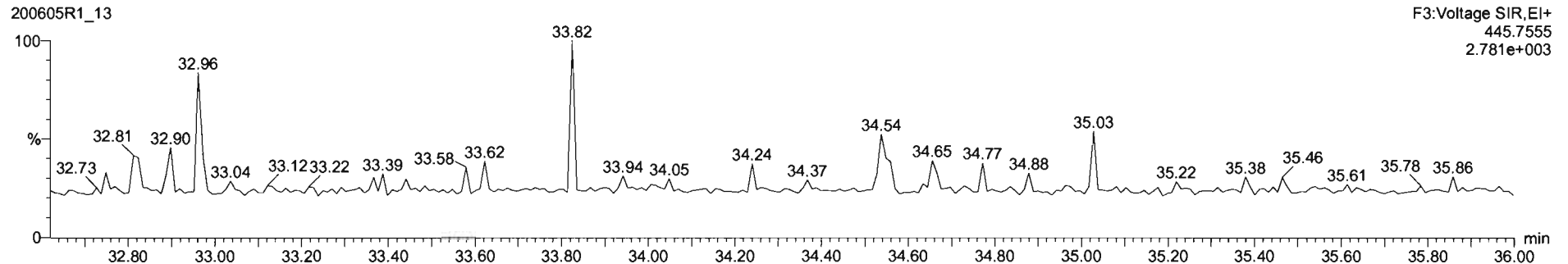
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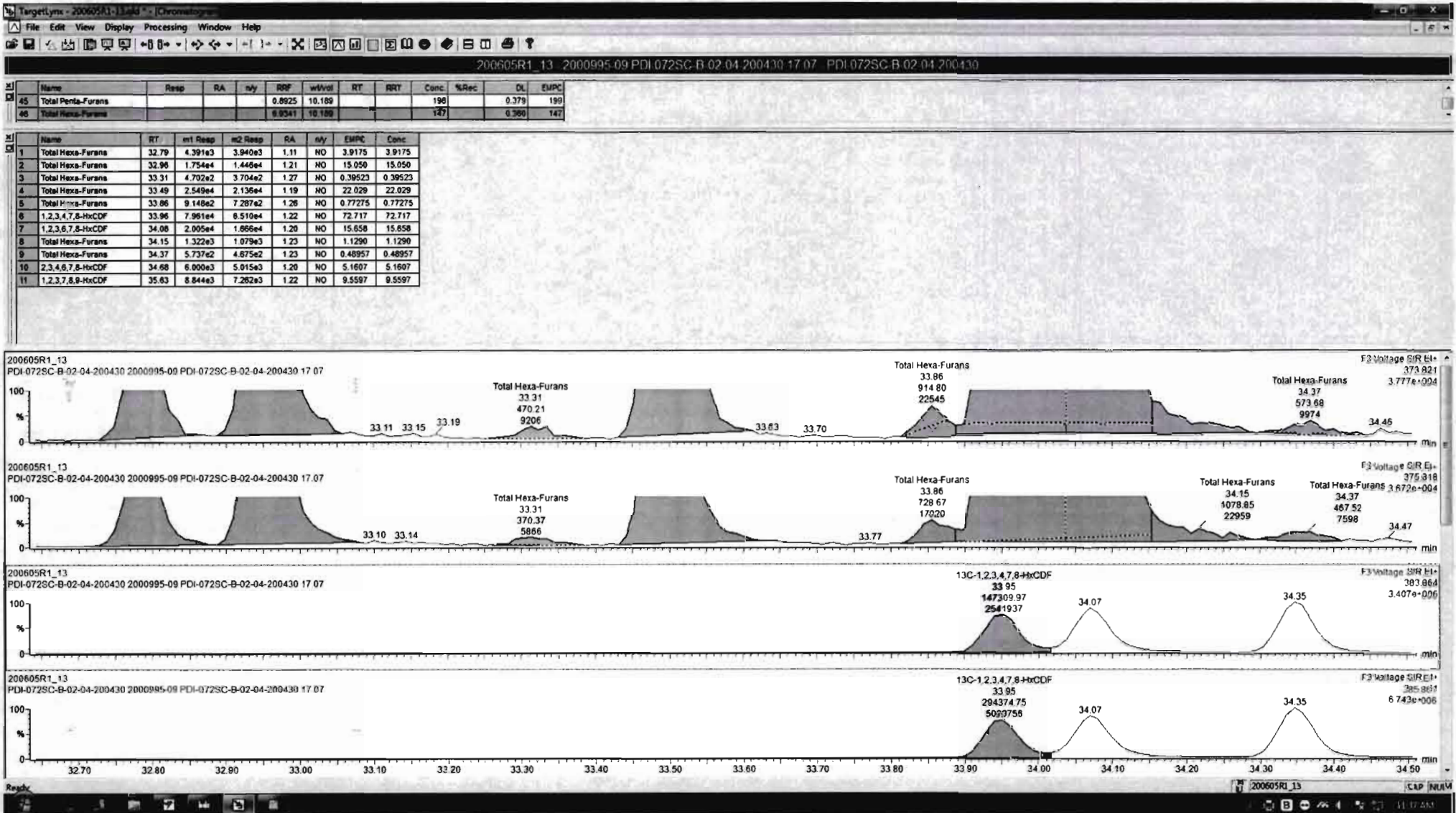


13C-1,2,3,4,7,8-HxCDF



DPE3





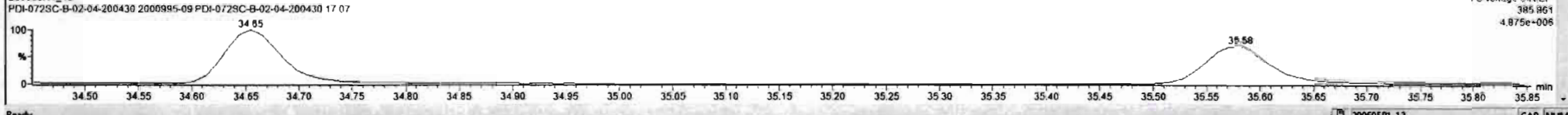
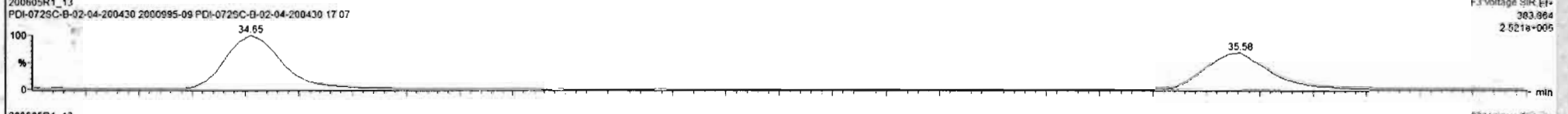
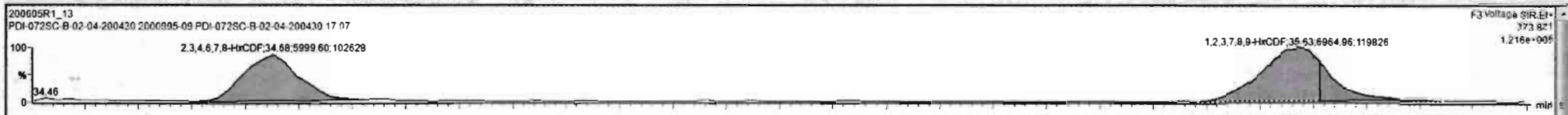
TargetLynx - 200605R1_13.d [Chromatogram]

File Edit View Display Processing Window Help

200605R1_13 - 2000995-09 PDI-072SC-B-02-04-200430 17-07 PDI-072SC-B-02-04-200430

Name	Resp	RA	n/y	RRF	iri/yoi	RT	RRT	Conc.	%Rec	DL	EMPC
45	Total Penta-Furans			0.8925	10.189			190		0.379	199
46	Total Hexa-Furans			0.9341	10.189			147		0.360	147

Name	RT	iri Resp	m2 Resp	RA	n/y	EMPC	Conc.	
1	Total Hexa-Furans	32.79	4.391e3	3.940e3	1.11	NO	3.9175	3.9175
2	Total Hexa-Furans	32.96	1.754e4	1.448e4	1.21	NO	15.050	15.050
3	Total Hexa-Furans	33.31	4.702e2	3.704e2	1.27	NO	0.39523	0.39523
4	Total Hexa-Furans	33.49	2.549e4	2.136e4	1.19	NO	22.029	22.029
5	Total Hexa-Furans	33.86	9.148e2	7.287e2	1.28	NO	0.77275	0.77275
6	1,2,3,4,7,8-HxCDF	33.96	7.961e4	6.510e4	1.22	NO	72.717	72.717
7	1,2,3,6,7,8-HxCDF	34.08	2.005e4	1.666e4	1.20	NO	15.658	15.658
8	Total Hexa-Furans	34.15	1.322e3	1.079e3	1.23	NO	1.1290	1.1290
9	Total Hexa-Furans	34.37	5.737e2	4.675e2	1.23	NO	0.48957	0.48957
10	2,3,4,6,7,8-HxCDF	34.68	6.000e3	5.015e3	1.20	NO	5.1607	5.1607
11	1,2,3,7,8,9-HxCDF	35.63	6.965e3	5.987e3	1.16	NO	7.6874	7.6874
12	Total Hexa-Furans	35.86	1.880e3	1.329e3	1.42	NO	1.5088	1.5088



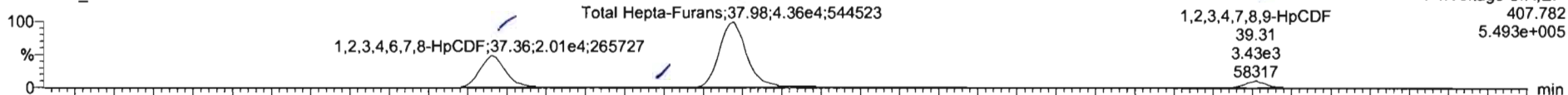
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Last Altered: Sunday, June 07, 2020 08:21:27 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

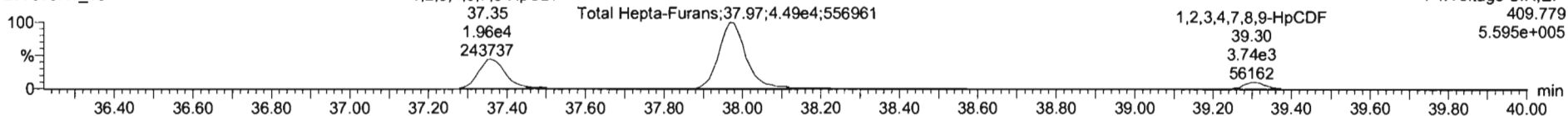
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1,2,3,4,6,7,8-HpCDF

200605R1_13

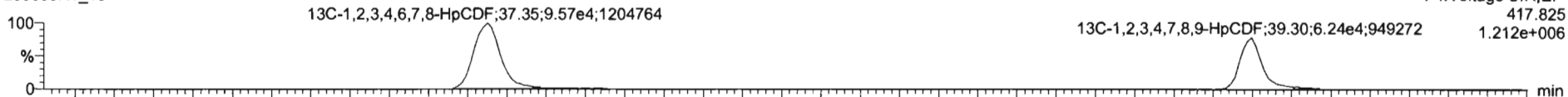


200605R1_13

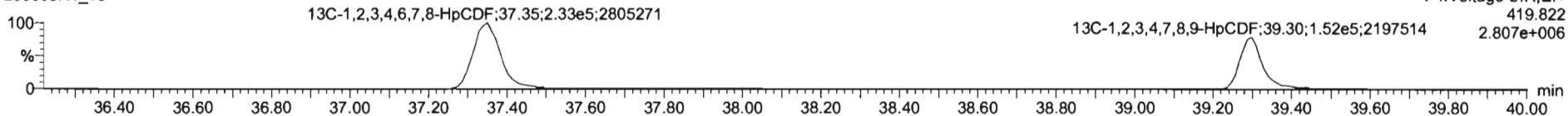


13C-1,2,3,4,6,7,8-HpCDF

200605R1_13

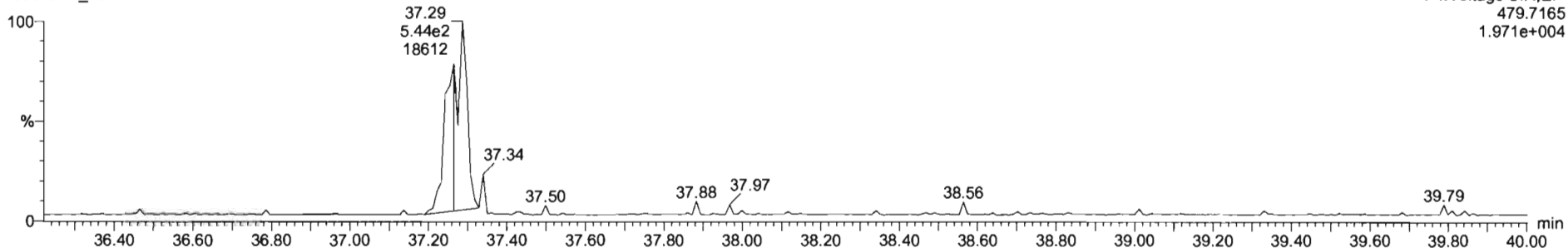


200605R1_13



DPE4

200605R1_13



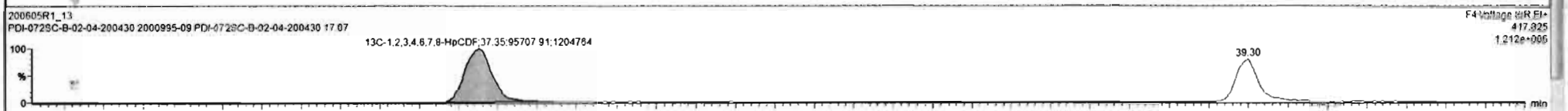
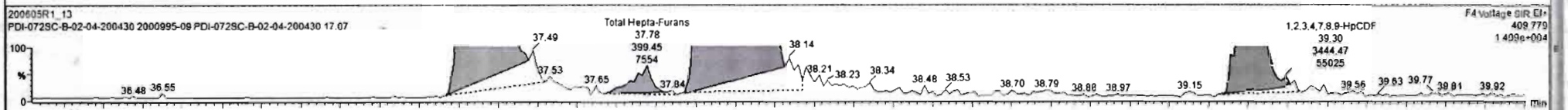
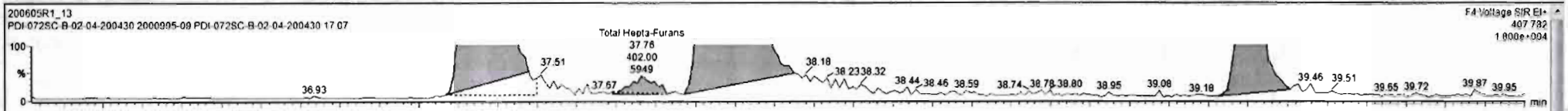
TargetLynx - 200605R1_13 [1.23] [1] Chromatogram

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200605R1_13 2000995.09 PDI-072SC-B.02.04.200430.17.07 PDI-072SC-B.02.04.200430

#	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
45	Total Penta-Furans				0.8925	10.189			190	0.379	199	
46	Total Hexa-Furans				0.9341	10.189			147	0.360	147	

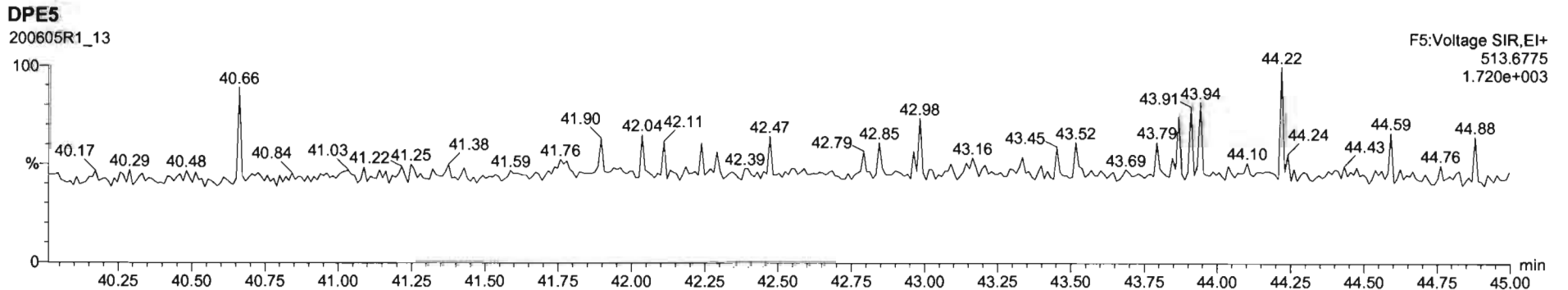
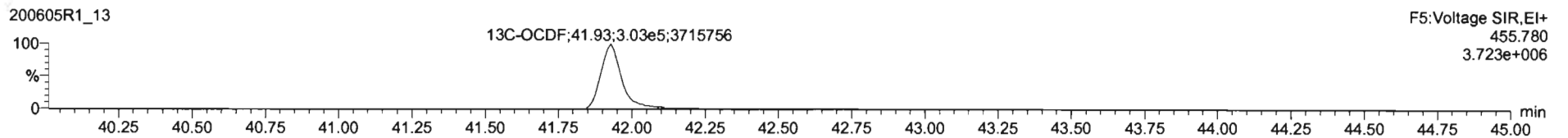
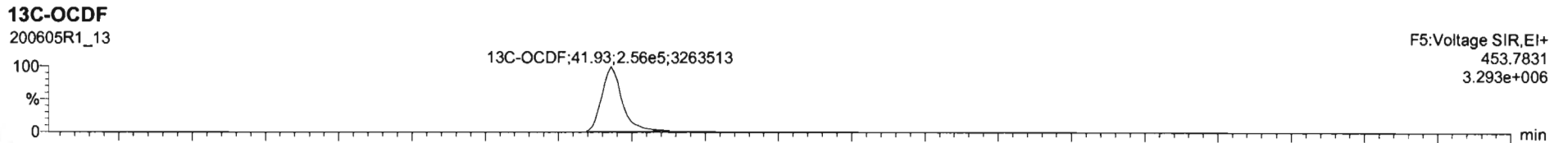
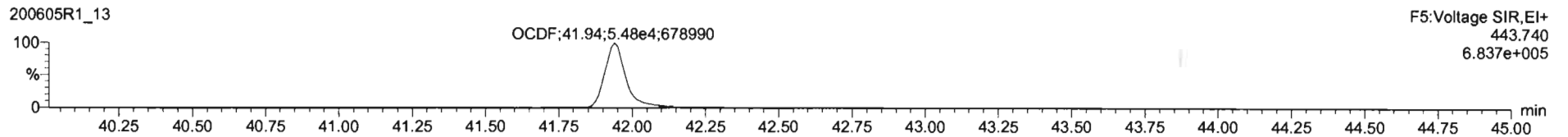
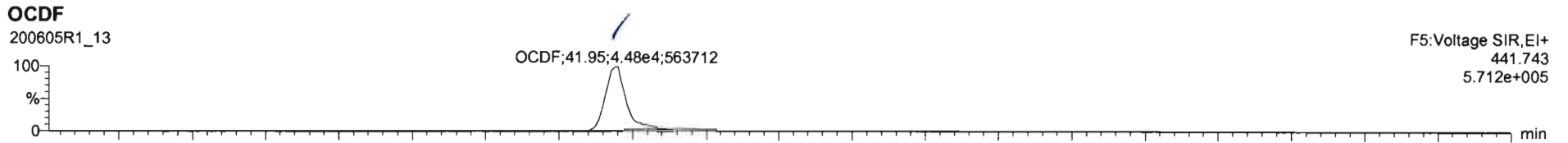
#	Name	RT	m1 Resp	m2 Resp	RA	n/y	EM °C	Conc.
1	1,2,3,4,6,7,8-HpCDF	37.36	1.915e4	1.869e4	1.02	NO	25.878	25.878
2	Total Hepta-Furans	37.78	4.020e2	3.994e2	1.01	NO	0.66388	0.66388
3	Total Hepta-Furans	37.98	4.383e4	4.382e4	1.00	NO	72.434	72.434
4	1,2,3,4,7,8,9-HpCDF	39.31	3.429e3	3.444e3	1.00	NO	6.2234	6.2234



Dataset: Untitled

Last Altered: Sunday, June 07, 2020 08:21:27 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

Name: 200605R1_13, Date: 05-Jun-2020, Time: 19:08:52, ID: 2000995-09 PDI-072SC-B-02-04-200430 17.07, Description: PDI-072SC-B-02-04-200430

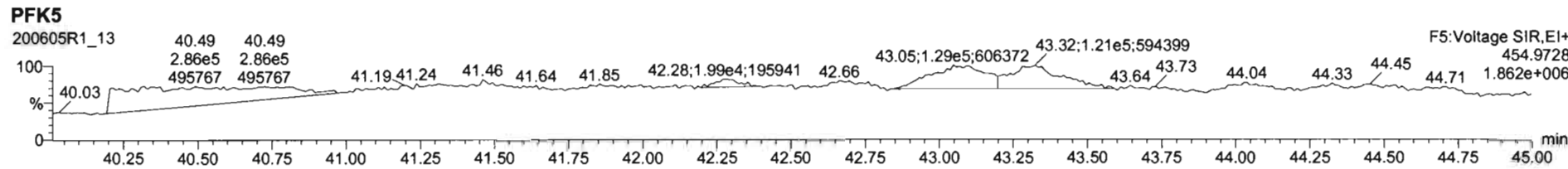
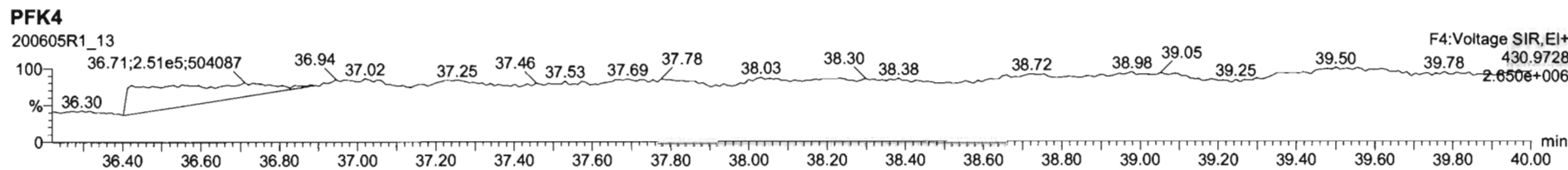
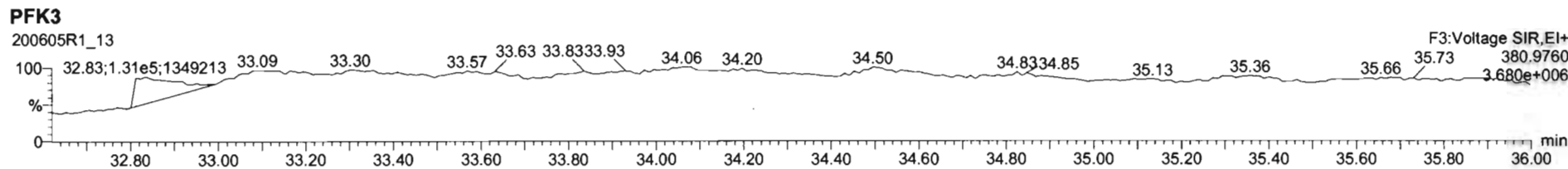
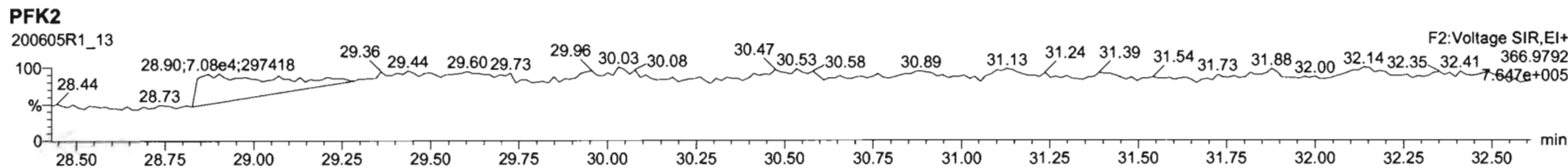
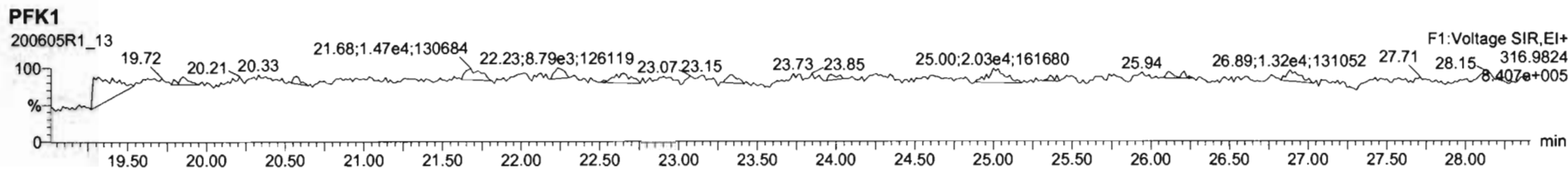


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Name: 200605R1_13, Date: 05-Jun-2020, Time: 19:08:52, ID: 2000995-09 PDI-072SC-B-02-04-200430 17.07, Description: PDI-072SC-B-02-04-200430



Dataset: U:\VG12.PRO\Results\200605R1\200605R1-14.qld

Last Altered: Thursday, June 11, 2020 12:25:58 PM Pacific Daylight Time
Printed: Thursday, June 11, 2020 12:26:23 PM Pacific Daylight Time

GAB 06/11/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

C706/15/2020

Name: 200605R1_14, Date: 05-Jun-2020, Time: 19:55:04, ID: 2000995-10 PDI-072SC-B-04-06-200430 14.89, Description: PDI-072SC-B-04-06-200430

*SEE DIL.

#	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	4.39e3	0.70	NO	0.888	10.134	26.515	26.51	1.001	1.001	1.3702		0.108	1.37
2	2 1,2,3,7,8-PeCDD	5.40e3	0.64	NO	0.908	10.134	31.473	31.47	1.001	1.000	2.3989		0.162	2.40
3	3 1,2,3,4,7,8-HxCDD	4.42e3	1.40	NO	1.03	10.134	34.836	34.84	1.000	1.000	2.5555		0.395	2.56
4	4 1,2,3,6,7,8-HxCDD	3.11e4	1.21	NO	0.892	10.134	34.932	34.94	1.000	1.000	16.877		0.425	16.9
5	5 1,2,3,7,8,9-HxCDD	1.14e4	1.15	NO	0.887	10.134	35.220	35.22	1.000	1.000	7.1202		0.497	7.12
6	6 1,2,3,4,6,7,8-HpCDD	1.08e6	0.98	NO	0.864	10.134	38.757	38.77	1.000	1.001	891.41		1.88	891
7	7 OCDD	7.26e6	0.88	NO	0.914	10.134	41.727	41.74	1.000	1.000	6615.6	EX	2.06	6620
8	8 2,3,7,8-TCDF	4.60e5	0.75	NO	0.751	10.134	25.627	25.62	1.001	1.001	140.83	(124)	0.212	141
9	9 1,2,3,7,8-PeCDF	7.34e5	1.54	NO	0.893	10.134	30.190	30.18	1.001	1.001	219.90		0.358	220
10	10 2,3,4,7,8-PeCDF	3.14e5	1.51	NO	0.935	10.134	31.176	31.16	1.001	1.001	94.021		0.328	94.0
11	11 1,2,3,4,7,8-HxCDF	9.13e5	1.19	NO	0.884	10.134	33.952	33.96	1.000	1.000	466.20		0.678	466
12	12 1,2,3,6,7,8-HxCDF	2.51e5	1.19	NO	0.889	10.134	34.079	34.08	1.000	1.000	114.01		0.648	114
13	13 2,3,4,6,7,8-HxCDF	4.26e4	1.26	NO	0.934	10.134	34.690	34.67	1.001	1.000	22.604		0.760	22.6
14	14 1,2,3,7,8,9-HxCDF	5.76e4	1.13	NO	0.871	10.134	35.571	35.62	1.000	1.001	38.449		1.15	38.4
15	15 1,2,3,4,6,7,8-HpCDF	3.16e5	0.99	NO	0.873	10.134	37.376	37.36	1.001	1.001	236.98		0.829	237
16	16 1,2,3,4,7,8,9-HpCDF	7.52e4	1.00	NO	1.01	10.134	39.299	39.31	1.000	1.000	72.199		0.895	72.2
17	17 OCDF	5.34e5	0.86	NO	0.806	10.134	41.919	41.93	1.000	1.000	505.55		0.774	506
18	18 13C-2,3,7,8-TCDD	7.11e5	0.75	NO	1.16	10.134	26.522	26.48	1.026	1.025	160.99	81.6	0.208	
19	19 13C-1,2,3,7,8-PeCDD	4.89e5	0.63	NO	0.849	10.134	31.711	31.45	1.227	1.217	150.84	76.4	0.290	
20	20 13C-1,2,3,4,7,8-HxCDD	3.30e5	1.29	NO	0.779	10.134	34.830	34.83	1.014	1.014	137.40	69.6	0.561	
21	21 13C-1,2,3,6,7,8-HxCDD	4.07e5	1.25	NO	1.02	10.134	34.944	34.93	1.017	1.017	129.72	65.7	0.430	
22	22 13C-1,2,3,7,8,9-HxCDD	3.56e5	1.28	NO	0.903	10.134	35.215	35.21	1.025	1.025	127.63	64.7	0.484	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.78e5	1.04	NO	0.689	10.134	38.739	38.74	1.128	1.128	130.50	66.1	0.413	
24	24 13C-OCDD	4.74e5	0.88	NO	0.652	10.134	41.761	41.73	1.216	1.215	235.64	59.7	0.520	
25	25 13C-2,3,7,8-TCDF	8.59e5	0.77	NO	1.06	10.134	25.564	25.60	0.989	0.991	148.51	75.3	0.293	
26	26 13C-1,2,3,7,8-PeCDF	7.38e5	1.60	NO	0.838	10.134	30.093	30.17	1.165	1.168	161.29	81.7	0.619	
27	27 13C-2,3,4,7,8-PeCDF	7.05e5	1.62	NO	0.817	10.134	31.047	31.15	1.202	1.205	158.04	80.1	0.635	
28	28 13C-1,2,3,4,7,8-HxCDF	4.37e5	0.50	NO	1.01	10.134	33.961	33.95	0.989	0.989	140.49	71.2	0.770	
29	29 13C-1,2,3,6,7,8-HxCDF	4.88e5	0.51	NO	1.17	10.134	34.085	34.07	0.992	0.992	135.38	68.6	0.665	
30	30 13C-2,3,4,6,7,8-HxCDF	3.99e5	0.50	NO	1.02	10.134	34.659	34.65	1.009	1.009	126.37	64.0	0.759	
31	31 13C-1,2,3,7,8,9-HxCDF	3.39e5	0.52	NO	0.860	10.134	35.558	35.57	1.035	1.036	127.93	64.8	0.903	

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Dataset: U:\VG12.PRO\Results\200605R1\200605R1-14.qld

Last Altered: Thursday, June 11, 2020 12:25:58 PM Pacific Daylight Time

Printed: Thursday, June 11, 2020 12:26:23 PM Pacific Daylight Time

Name: 200605R1_14, Date: 05-Jun-2020, Time: 19:55:04, ID: 2000995-10 PDI-072SC-B-04-06-200430 14.89, Description: PDI-072SC-B-04-06-200430

#	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	3.01e5	0.42	NO	0.774	10.134	37.307	37.34	1.086	1.087	125.92	63.8	0.496	
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.03e5	0.41	NO	0.521	10.134	39.336	39.30	1.145	1.144	126.26	64.0	0.738	
34	34 13C-OCDF	5.17e5	0.87	NO	0.746	10.134	41.933	41.92	1.221	1.220	224.64	56.9	0.541	
35	35 37Cl-2,3,7,8-TCDD	2.52e5			1.04	10.134	26.553	26.51	1.028	1.026	63.650	80.6	0.0733	
36	36 13C-1,2,3,4-TCDD	7.54e5	0.79	NO	1.00	10.134	25.890	25.84	1.000	1.000	197.36	100	0.241	
37	37 13C-1,2,3,4-TCDF	1.08e6	0.79	NO	1.00	10.134	24.360	24.16	1.000	1.000	197.36	100	0.310	
38	38 13C-1,2,3,4,6,9-HxCDF	6.09e5	0.51	NO	1.00	10.134	34.420	34.35	1.000	1.000	197.36	100	0.776	
39	39 Total Tetra-Dioxins				0.888	10.134	24.620		0.000		12.808		0.108	12.8
40	40 Total Penta-Dioxins				0.908	10.134	29.960		0.000		21.605		0.162	21.6
41	41 Total Hexa-Dioxins				0.892	10.134	33.635		0.000		232.74		0.457	233
42	42 Total Hepta-Dioxins				0.864	10.134	37.640		0.000		2115.9		1.88	2120
43	43 Total Tetra-Furans				0.751	10.134	23.610		0.000		383.41		0.212	383
44	44 1st Func. Penta-Furans				0.893	10.134	27.580		0.000		15.957		0.0302	16.0
45	45 Total Penta-Furans				0.893	10.134	29.275		0.000		540.52		0.351	550
46	46 Total Hexa-Furans				0.934	10.134	33.555		0.000		779.92		0.751	780
47	47 Total Hepta-Furans				0.873	10.134	37.835		0.000		606.35		0.913	606

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-14.qld

Last Altered: Thursday, June 11, 2020 12:25:58 PM Pacific Daylight Time
 Printed: Thursday, June 11, 2020 12:26:23 PM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45
 Calibration: U:\VG12.PRO\CurveDB\ldb5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R1_14, Date: 05-Jun-2020, Time: 19:55:04, ID: 2000995-10 PDI-072SC-B-04-06-200430 14.89, Description: PDI-072SC-B-04-06-200430

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.50	3.682e4	4.440e4	3.516e3	4.623e3	0.76	NO	8.139e3	2.5430	2.5430	0.108
2	Total Tetra-Dioxins	22.94	1.965e4	2.146e4	1.754e3	2.048e3	0.86	NO	3.801e3	1.1878	1.1878	0.108
3	Total Tetra-Dioxins	23.43	9.692e3	1.103e4	7.558e2	1.022e3	0.74	NO	1.778e3	0.55560	0.55560	0.108
4	Total Tetra-Dioxins	24.33	9.958e3	8.805e3	5.902e2	6.803e2	0.87	NO	1.270e3	0.39696	0.39696	0.108
5	Total Tetra-Dioxins	24.57	1.641e4	2.326e4	1.813e3	2.280e3	0.80	NO	4.093e3	1.2789	1.2789	0.108
6	Total Tetra-Dioxins	24.78	1.622e4	2.370e4	1.355e3	1.991e3	0.68	NO	3.347e3	1.0457	1.0457	0.108
7	Total Tetra-Dioxins	25.02	8.079e3	1.048e4	5.543e2	7.722e2	0.72	NO	1.326e3	0.41446	0.41446	0.108
8	Total Tetra-Dioxins	25.27	5.201e3	6.434e3	4.178e2	5.133e2	0.81	NO	9.311e2	0.29092	0.29092	0.108
9	Total Tetra-Dioxins	25.44	9.852e3	1.446e4	5.865e2	8.373e2	0.70	NO	1.424e3	0.44485	0.44485	0.108
10	Total Tetra-Dioxins	25.81	9.086e3	1.017e4	6.247e2	9.304e2	0.67	NO	1.555e3	0.48590	0.48590	0.108
11	Total Tetra-Dioxins	26.24	2.883e4	3.597e4	2.198e3	3.123e3	0.70	NO	5.321e3	1.6626	1.6626	0.108
12	Total Tetra-Dioxins	26.36	4.078e3	5.318e3	2.579e2	2.938e2	0.88	NO	5.517e2	0.17237	0.17237	0.108
13	2,3,7,8-TCDD	26.51	2.535e4	4.050e4	1.808e3	2.577e3	0.70	NO	4.385e3	1.3702	1.3702	0.108
14	Total Tetra-Dioxins	26.84	1.300e4	1.421e4	8.421e2	1.008e3	0.84	NO	1.851e3	0.57823	0.57823	0.108
15	Total Tetra-Dioxins	26.99	2.730e3	4.886e3	1.872e2	2.814e2	0.67	NO	4.686e2	0.14643	0.14643	0.108
16	Total Tetra-Dioxins	27.47	4.596e3	5.149e3	3.391e2	4.103e2	0.83	NO	7.494e2	0.23416	0.23416	0.108

Dataset: U:\WG12.PRO\Results\200605R1\200605R1-14.qld

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Name: 200605R1_14, Date: 05-Jun-2020, Time: 19:55:04, ID: 2000995-10 PDI-072SC-B-04-06-200430 14.89, Description: PDI-072SC-B-04-06-200430

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.24	5.775e4	9.808e4	4.618e3	7.291e3	0.63	NO	1.191e4	5.2915	5.2915	0.162
2	Total Penta-Dioxins	29.73	3.539e4	4.623e4	1.875e3	2.604e3	0.72	NO	4.479e3	1.9903	1.9903	0.162
3	Total Penta-Dioxins	30.21	4.452e4	7.188e4	2.681e3	3.733e3	0.72	NO	6.414e3	2.8497	2.8497	0.162
4	Total Penta-Dioxins	30.38	3.044e4	4.715e4	1.643e3	2.563e3	0.64	NO	4.206e3	1.8688	1.8688	0.162
5	Total Penta-Dioxins	30.47	2.681e4	3.072e4	1.249e3	1.875e3	0.67	NO	3.124e3	1.3880	1.3880	0.162
6	Total Penta-Dioxins	30.70	2.843e4	5.324e4	1.471e3	2.622e3	0.56	NO	4.094e3	1.8190	1.8190	0.162
7	Total Penta-Dioxins	30.73	3.348e4	4.472e4	1.491e3	2.062e3	0.72	NO	3.553e3	1.5787	1.5787	0.162
8	Total Penta-Dioxins	31.04	1.406e4	1.900e4	7.632e2	1.130e3	0.68	NO	1.894e3	0.84137	0.84137	0.162
9	1,2,3,7,8-PeCDD	31.47	3.321e4	5.911e4	2.101e3	3.298e3	0.64	NO	5.399e3	2.3989	2.3989	0.162
1J	Total Penta-Dioxins	31.54	1.481e4	2.514e4	8.169e2	1.141e3	0.72	NO	1.958e3	0.86979	0.86979	0.162
11	Total Penta-Dioxins	31.85	1.247e4	1.957e4	6.276e2	9.684e2	0.65	NO	1.596e3	0.70916	0.70916	0.162

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.33	1.666e6	1.318e6	8.671e4	7.009e4	1.24	NO	1.568e5	95.181	95.181	0.457
2	Total Hexa-Dioxins	33.89	1.726e5	1.313e5	9.170e3	7.423e3	1.24	NO	1.659e4	10.072	10.072	0.457
3	Total Hexa-Dioxins	34.14	1.105e6	9.160e5	7.928e4	6.492e4	1.22	NO	1.442e5	87.536	87.536	0.457
4	Total Hexa-Dioxins	34.26	1.284e5	1.010e5	8.029e3	6.388e3	1.26	NO	1.442e4	8.7517	8.7517	0.457
5	1,2,3,4,7,8-HxCDD	34.84	4.417e4	3.463e4	2.575e3	1.845e3	1.40	NO	4.421e3	2.5555	2.5555	0.395
6	1,2,3,6,7,8-HxCDD	34.94	2.747e5	2.140e5	1.703e4	1.403e4	1.21	NO	3.106e4	16.877	16.877	0.425
7	Total Hexa-Dioxins	35.12	6.871e4	6.300e4	4.330e3	3.328e3	1.30	NO	7.658e3	4.6489	4.6489	0.457
8	1,2,3,7,8,9-HxCDD	35.22	9.205e4	7.832e4	6.081e3	5.299e3	1.15	NO	1.138e4	7.1202	7.1202	0.497

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.75	9.241e6	8.974e6	7.480e5	7.400e5	1.01	NO	1.488e6	1224.4	1224.4	1.88
2	1,2,3,4,6,7,8-HpCDD	38.77	7.125e6	6.986e6	5.361e5	5.472e5	0.98	NO	1.083e6	891.41	891.41	1.88

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-14.qld

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Name: 200605R1_14, Date: 05-Jun-2020, Time: 19:55:04, ID: 2000995-10 PDI-072SC-B-04-06-200430 14.89, Description: PDI-072SC-B-04-06-200430

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.89	2.536e4	3.451e4	2.018e3	2.574e3	0.78	NO	4.592e3	1.4043	1.4043	0.212
2	Total Tetra-Furans	21.50	2.135e5	2.753e5	1.832e4	2.522e4	0.73	NO	4.354e4	13.317	13.317	0.212
3	Total Tetra-Furans	21.99	2.197e4	2.779e4	1.917e3	2.525e3	0.76	NO	4.442e3	1.3585	1.3585	0.212
4	Total Tetra-Furans	22.07	3.254e4	4.276e4	3.559e3	4.945e3	0.72	NO	8.503e3	2.6006	2.6006	0.212
5	Total Tetra-Furans	22.38	4.083e4	5.974e4	1.645e3	2.133e3	0.77	NO	3.778e3	1.1556	1.1556	0.212
6	Total Tetra-Furans	22.47	3.537e5	4.852e5	3.364e4	4.572e4	0.74	NO	7.935e4	24.269	24.269	0.212
7	Total Tetra-Furans	22.97	1.021e5	1.488e5	1.041e4	1.380e4	0.75	NO	2.421e4	7.4039	7.4039	0.212
8	Total Tetra-Furans	23.12	2.022e4	2.659e4	1.785e3	2.347e3	0.76	NO	4.132e3	1.2638	1.2638	0.212
9	Total Tetra-Furans	23.31	7.692e4	1.052e5	7.154e3	9.330e3	0.77	NO	1.648e4	5.0414	5.0414	0.212
10	Total Tetra-Furans	23.77	1.681e4	2.133e4	1.163e3	1.776e3	0.66	NO	2.939e3	0.89883	0.89883	0.212
11	Total Tetra-Furans	23.91	1.987e4	2.327e4	1.511e3	1.768e3	0.85	NO	3.279e3	1.0029	1.0029	0.212
12	Total Tetra-Furans	24.10	1.059e5	1.478e5	7.349e3	9.382e3	0.78	NO	1.673e4	5.1168	5.1168	0.212
13	Total Tetra-Furans	24.16	3.115e5	3.877e5	2.856e4	3.728e4	0.77	NO	6.584e4	20.137	20.137	0.212
14	Total Tetra-Furans	24.67	1.974e6	2.651e6	1.602e5	2.153e5	0.74	NO	3.756e5	114.86	114.86	0.212
15	Total Tetra-Furans	24.78	5.843e4	6.603e4	2.779e3	3.449e3	0.81	NO	6.228e3	1.9047	1.9047	0.212
16	Total Tetra-Furans	24.99	6.638e4	9.148e4	5.518e3	7.569e3	0.73	NO	1.309e4	4.0024	4.0024	0.212
17	Total Tetra-Furans	25.17	2.099e4	2.702e4	1.670e3	2.171e3	0.77	NO	3.841e3	1.1748	1.1748	0.212
18	Total Tetra-Furans	25.39	1.999e4	2.583e4	1.238e3	1.600e3	0.77	NO	2.837e3	0.86779	0.86779	0.212
19	Total Tetra-Furans	25.51	3.237e5	4.088e5	2.008e4	2.723e4	0.74	NO	4.731e4	14.469	14.469	0.212
20	2,3,7,8-TCDF	25.62	2.598e6	3.415e6	1.970e5	2.635e5	0.75	NO	4.605e5	140.83	140.83	0.212
21	Total Tetra-Furans	25.72	5.657e4	6.742e4	4.436e3	5.207e3	0.85	NO	9.642e3	2.9490	2.9490	0.212
22	Total Tetra-Furans	25.99	1.223e5	1.606e5	8.419e3	1.118e4	0.75	NO	1.960e4	5.9948	5.9948	0.212
23	Total Tetra-Furans	26.24	1.943e4	2.204e4	1.341e3	1.833e3	0.73	NO	3.175e3	0.97090	0.97090	0.212
24	Total Tetra-Furans	27.62	2.407e5	2.935e5	1.523e4	1.883e4	0.81	NO	3.406e4	10.416	10.416	0.212

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	27.61	4.969e5	3.129e5	3.247e4	1.961e4	1.66	NO	5.208e4	15.957	15.957	0.0302

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Name: 200605R1_14, Date: 05-Jun-2020, Time: 19:55:04, ID: 2000995-10 PDI-072SC-B-04-06-200430 14.89, Description: PDI-072SC-B-04-06-200430

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.06	9.392e4	6.039e4	4.985e3	3.605e3	1.38	NO	8.590e3	2.6316	2.6316	0.351
2	Total Penta-Furans	29.19	3.324e6	2.174e6	2.015e5	1.310e5	1.54	NO	3.325e5	101.87	101.87	0.351
3	Total Penta-Furans	29.25	3.435e5	2.180e5	1.124e4	7.600e3	1.48	NO	1.884e4	5.7713	5.7713	0.351
4	Total Penta-Furans	29.77	2.480e5	1.638e5	1.471e4	9.448e3	1.56	NO	0.000e0	0.00000	7.4019	0.351
5	Total Penta-Furans	29.82	8.441e4	5.278e4	3.775e3	2.813e3	1.34	NO	0.000e0	0.00000	2.0183	0.351
6	Total Penta-Furans	30.00	7.255e5	4.433e5	3.590e4	2.353e4	1.53	NO	5.943e4	18.206	18.206	0.351
7	1,2,3,7,8-PeCDF	30.18	7.882e6	5.087e6	4.455e5	2.888e5	1.54	NO	7.344e5	219.90	219.90	0.358
8	Total Penta-Furans	30.26	3.965e5	2.483e5	1.523e4	1.006e4	1.51	NO	2.530e4	7.7502	7.7502	0.351
9	Total Penta-Furans	30.46	2.373e6	1.535e6	1.351e5	8.795e4	1.54	NO	2.230e5	68.330	68.330	0.351
10	Total Penta-Furans	31.05	3.812e4	2.990e4	1.828e3	1.332e3	1.37	NO	3.159e3	0.96786	0.96786	0.351
11	2,3,4,7,8-PeCDF	31.16	3.309e6	2.204e6	1.891e5	1.249e5	1.51	NO	3.140e5	94.021	94.021	0.328
12	Total Penta-Furans	31.21	1.549e6	9.598e5	3.485e4	2.067e4	1.69	NO	5.552e4	17.008	17.008	0.351
13	Total Penta-Furans	32.11	1.535e5	9.369e4	8.074e3	5.189e3	1.56	NO	1.326e4	4.0634	4.0634	0.351

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.78	2.329e5	1.811e5	1.211e4	9.701e3	1.25	NO	2.182e4	11.089	11.089	0.751
2	Total Hexa-Furans	32.95	1.206e6	1.037e6	6.079e4	5.090e4	1.19	NO	1.117e5	56.775	56.775	0.751
3	Total Hexa-Furans	33.32	2.036e4	1.359e4	1.169e3	8.308e2	1.41	NO	2.000e3	1.0166	1.0166	0.751
4	Total Hexa-Furans	33.49	1.261e6	1.034e6	6.424e4	5.248e4	1.22	NO	1.167e5	59.326	59.326	0.751
5	Total Hexa-Furans	33.87	6.181e4	4.593e4	2.399e3	2.234e3	1.07	NO	4.633e3	2.3551	2.3551	0.751
6	1,2,3,4,7,8-HxCDF	33.96	8.751e6	7.371e6	4.967e5	4.162e5	1.19	NO	9.129e5	466.20	466.20	0.678
7	1,2,3,6,7,8-HxCDF	34.08	2.279e6	1.922e6	1.360e5	1.145e5	1.19	NO	2.505e5	114.01	114.01	0.648
8	2,3,4,6,7,8-HxCDF	34.67	3.824e5	3.164e5	2.378e4	1.886e4	1.26	NO	4.265e4	22.604	22.604	0.760
9	1,2,3,7,8,9-HxCDF	35.62	5.870e5	5.064e5	3.053e4	2.705e4	1.13	NO	5.758e4	38.449	38.449	1.15
10	Total Hexa-Furans	35.65	3.756e5	3.095e5	8.528e3	7.397e3	1.15	NO	1.592e4	8.0944	8.0944	0.751

Vista Analytical Laboratory

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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	37.36	2.084e6	2.091e6	1.569e5	1.588e5	0.99	NO	3.157e5	236.98	236.98	0.829
2	Total Hepta-Furans	37.76	3.228e4	3.393e4	2.185e3	2.321e3	0.94	NO	4.506e3	4.0398	4.0398	0.913
3	Total Hepta-Furans	37.97	2.066e6	2.062e6	1.618e5	1.652e5	0.98	NO	3.270e5	293.13	293.13	0.913
4	1,2,3,4,7,8,9-HpCDF	39.31	5.655e5	5.657e5	3.764e4	3.759e4	1.00	NO	7.523e4	72.199	72.199	0.895

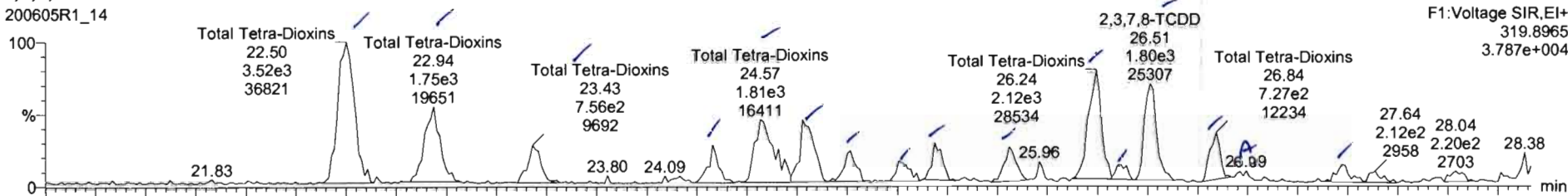
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Name: 200605R1_14, Date: 05-Jun-2020, Time: 19:55:04, ID: 2000995-10 PDI-072SC-B-04-06-200430 14.89, Description: PDI-072SC-B-04-06-200430

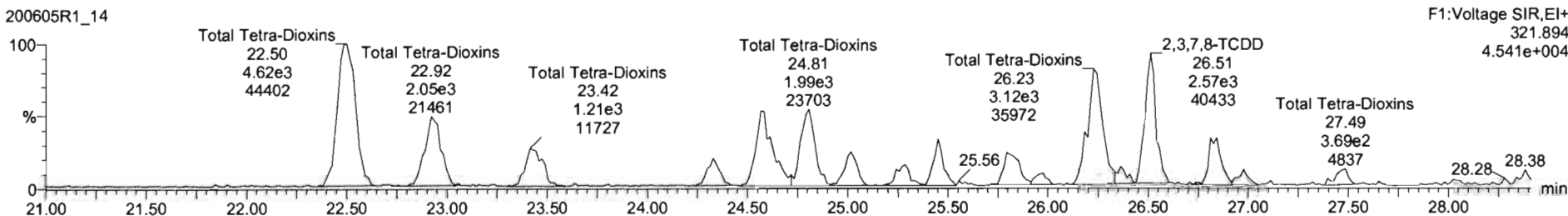
2,3,7,8-TCDD

200605R1_14



F1: Voltage SIR, EI+
319.8965
3.787e+004

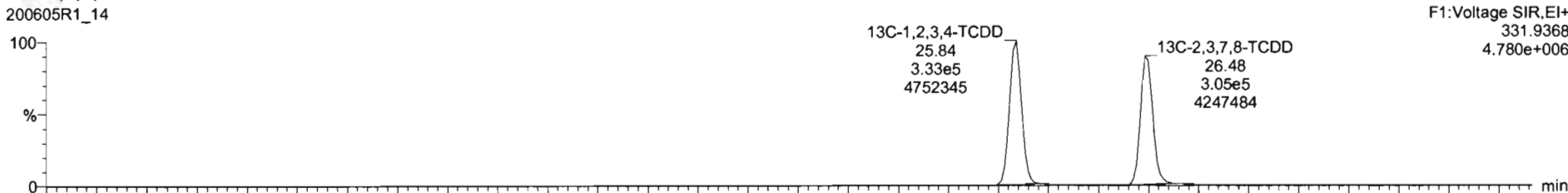
200605R1_14



F1: Voltage SIR, EI+
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4.541e+004

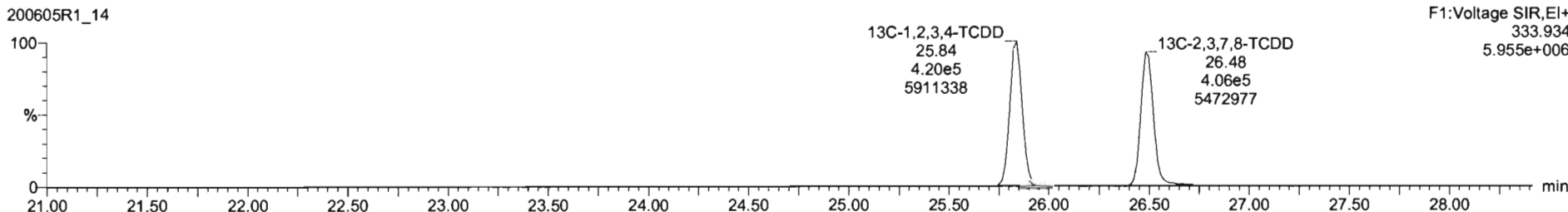
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200605R1_14

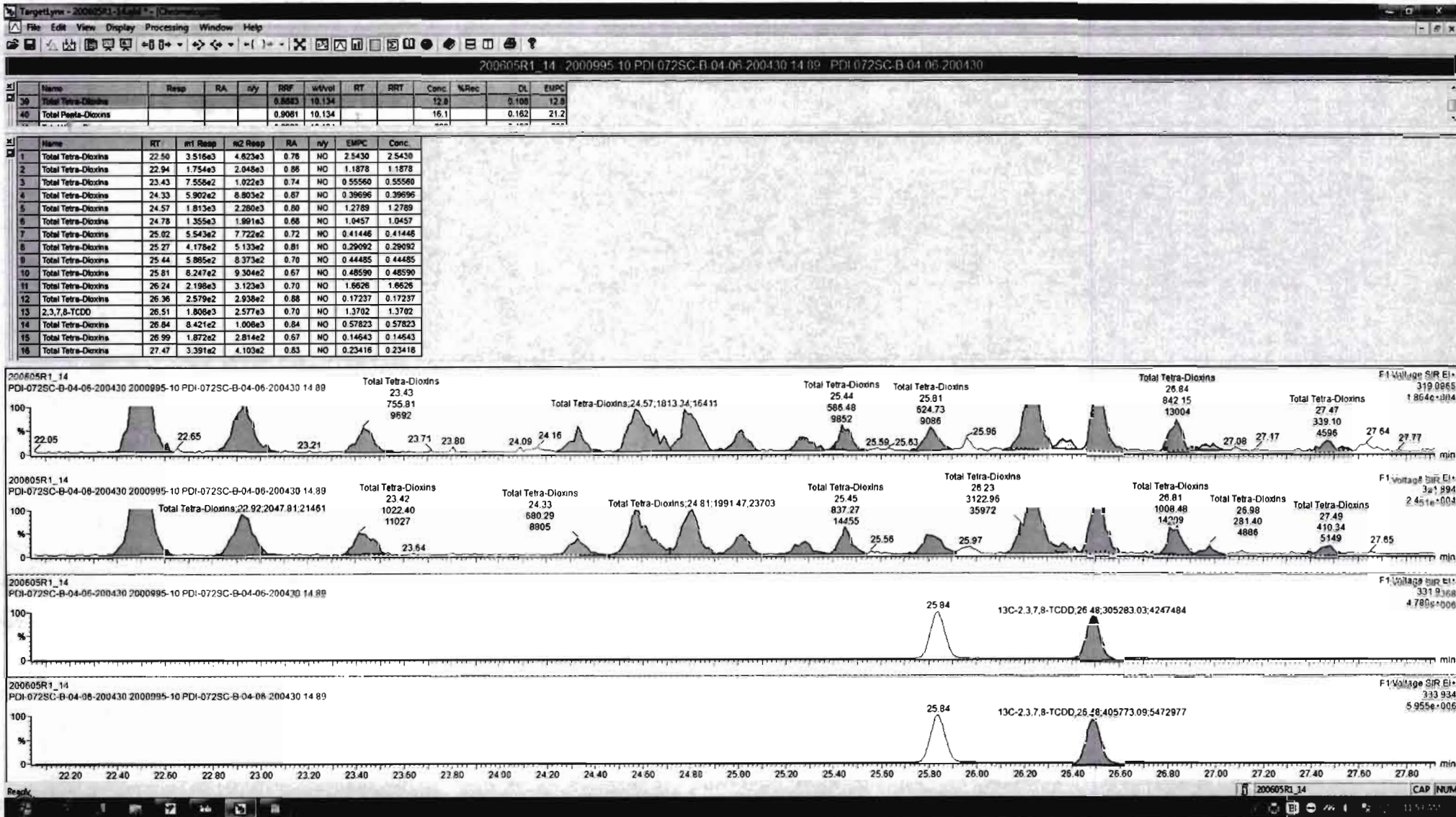


F1: Voltage SIR, EI+
331.9368
4.780e+006

200605R1_14



F1: Voltage SIR, EI+
333.934
5.955e+006



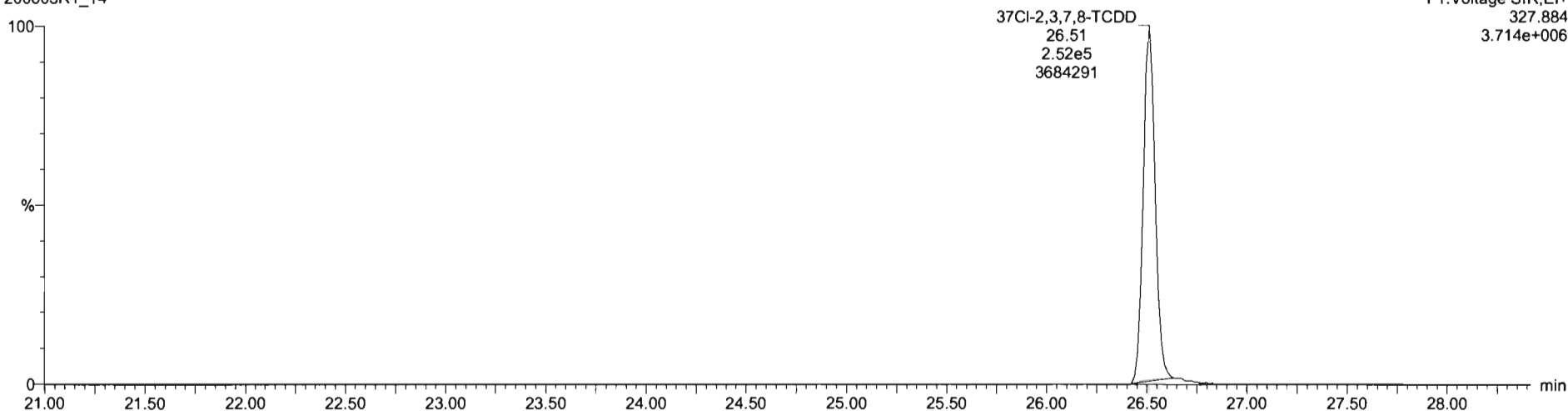
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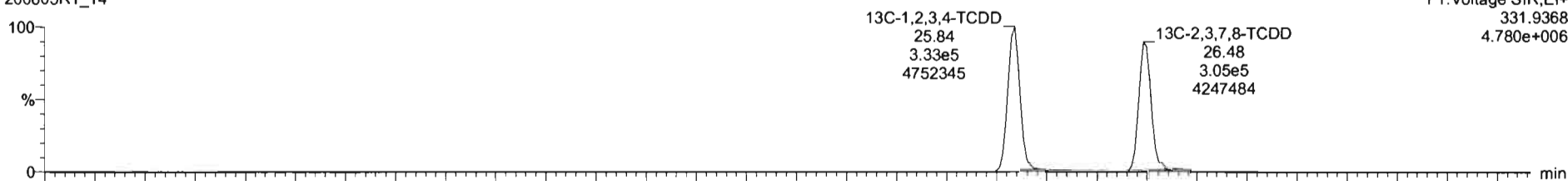
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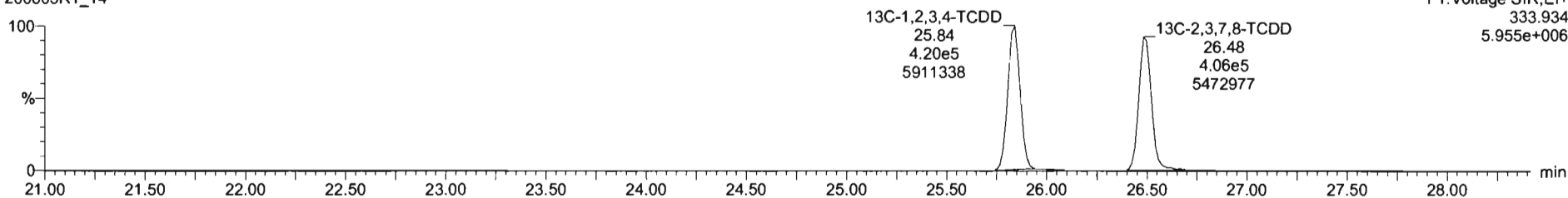


13C-1,2,3,4-TCDD

200605R1_14



200605R1_14

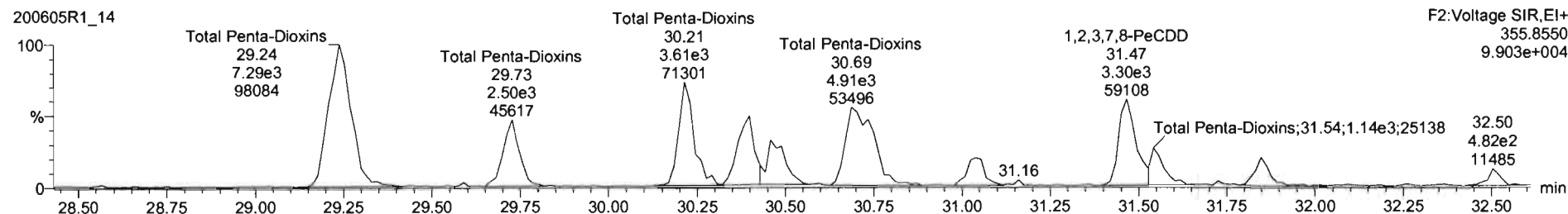
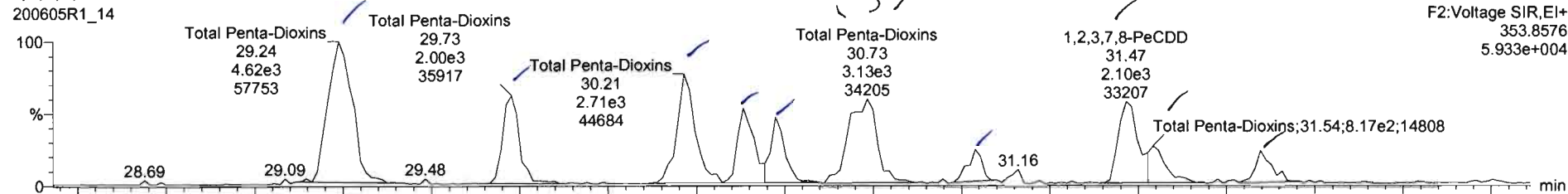


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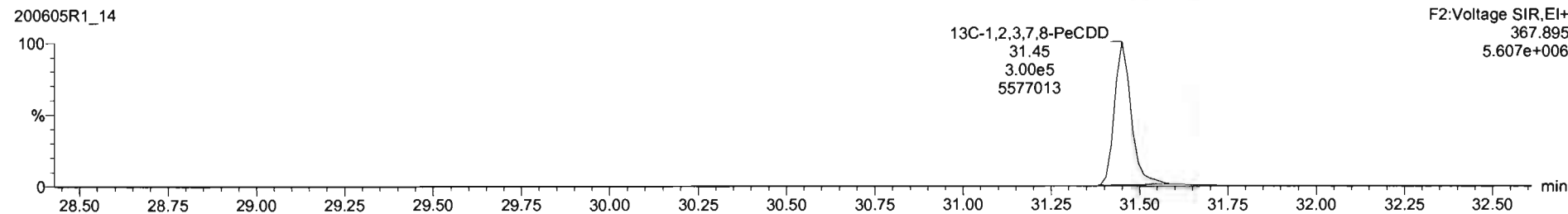
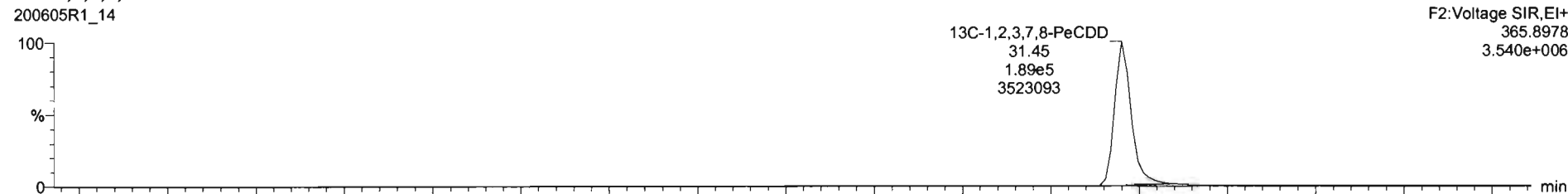
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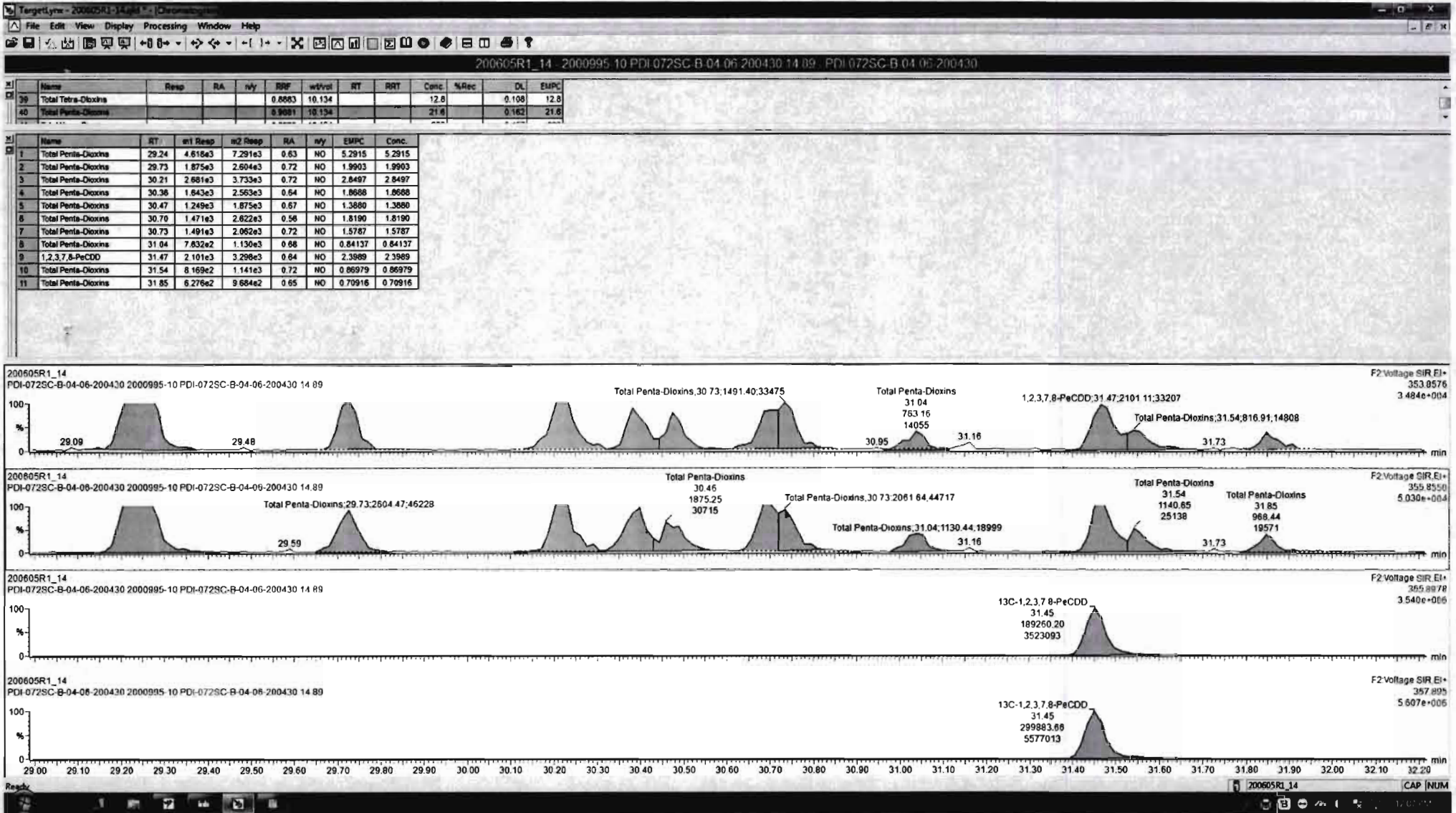
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1,2,3,7,8-PeCDD



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





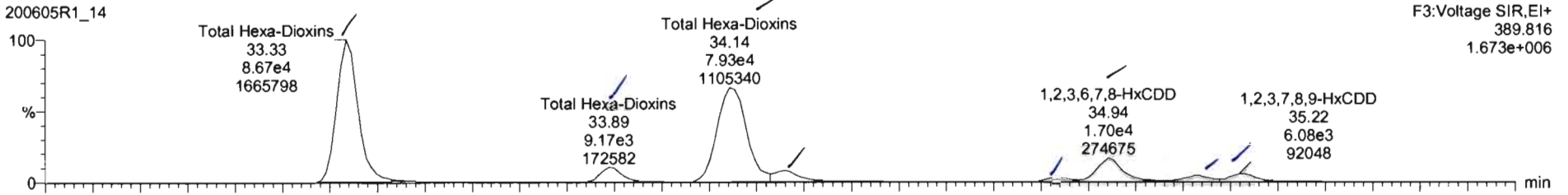
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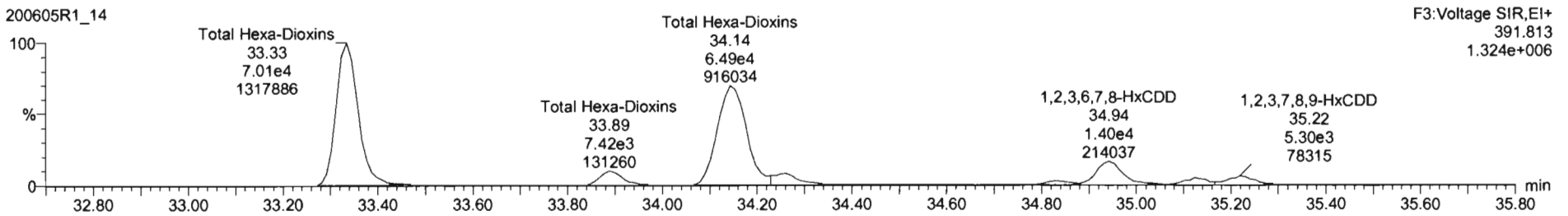
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1,2,3,4,7,8-HxCDD

200605R1_14

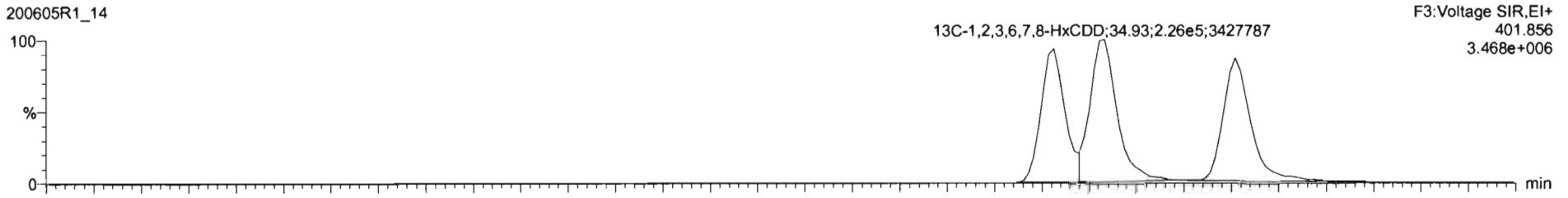


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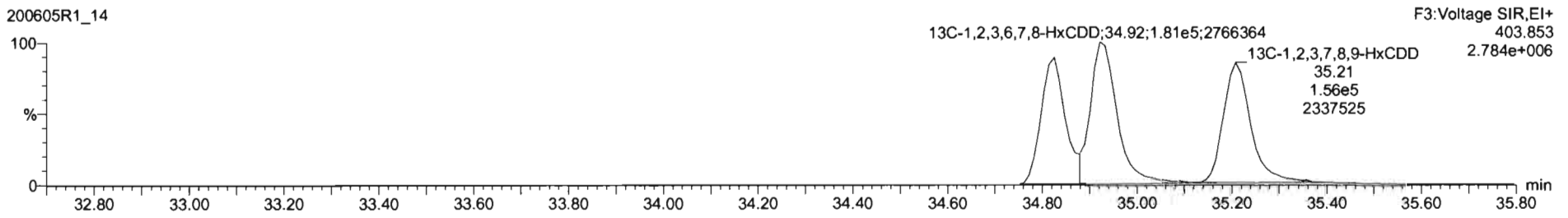


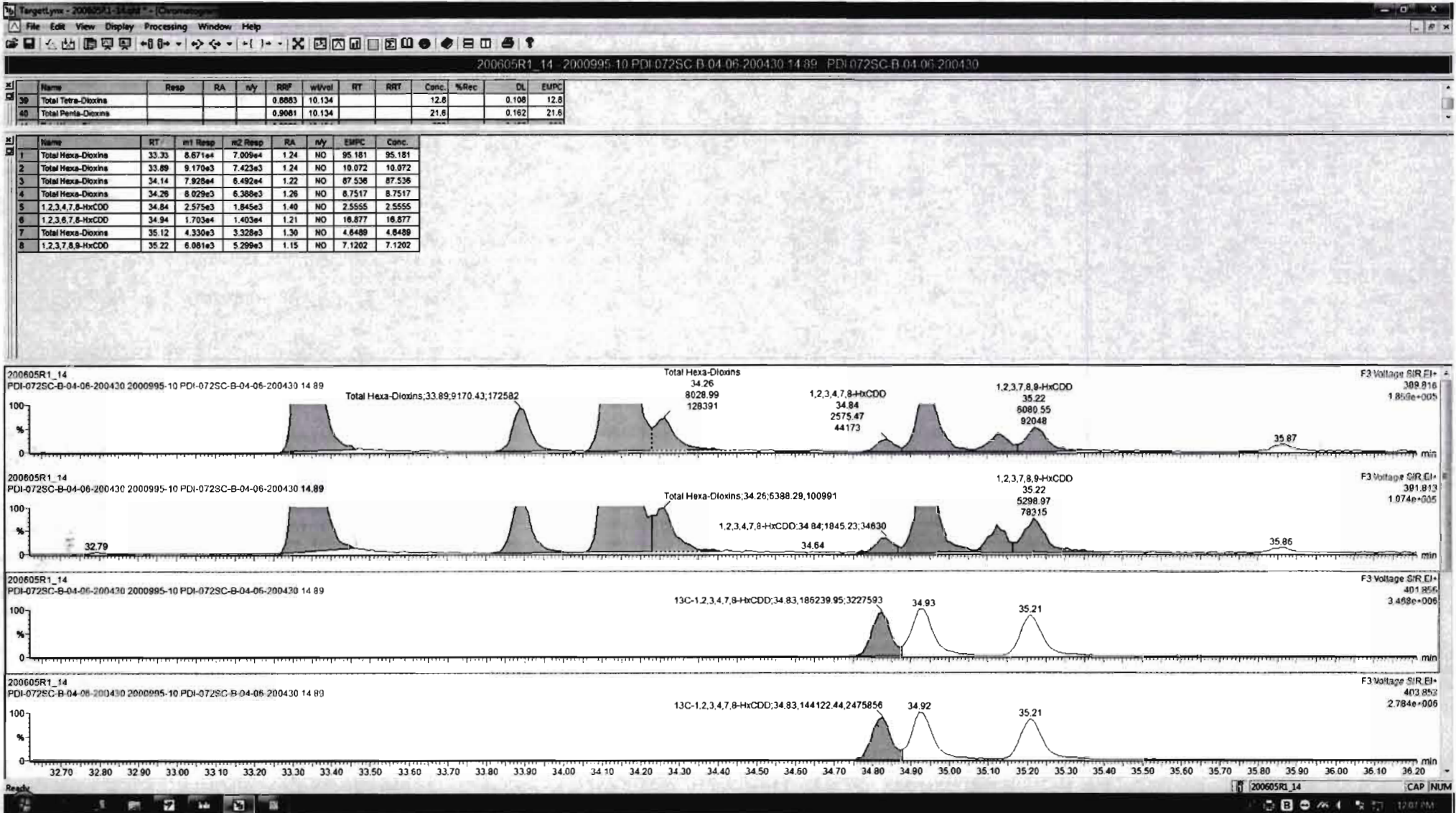
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200605R1_14



200605R1_14





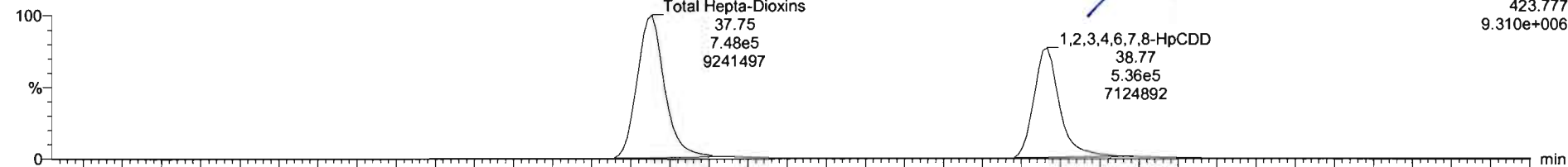
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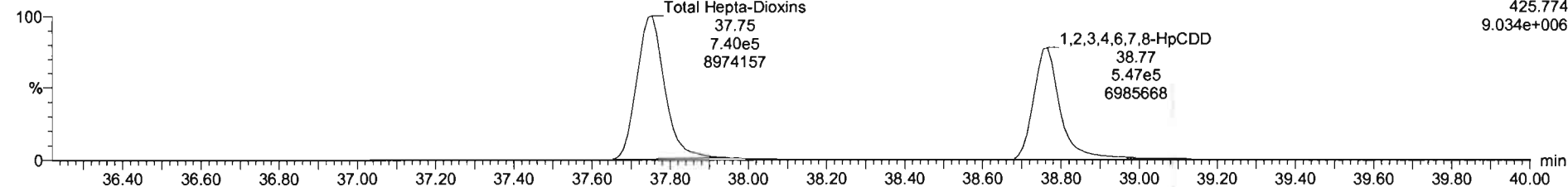
1,2,3,4,6,7,8-HpCDD

200605R1_14



F4:Voltage SIR,EI+
423.777
9.310e+006

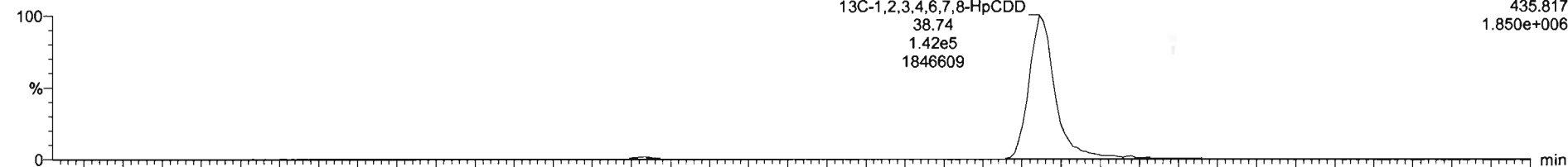
200605R1_14



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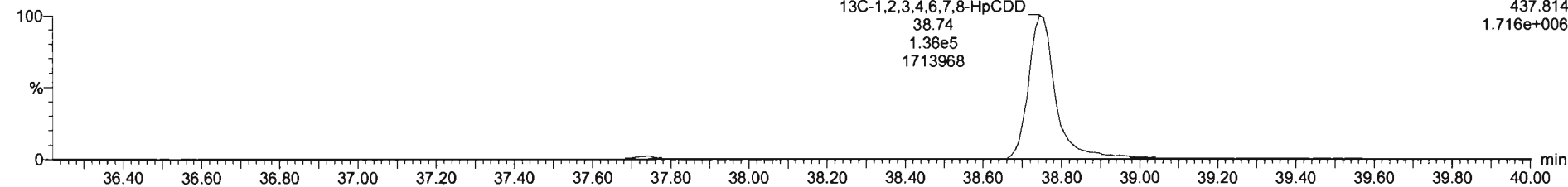
13C-1,2,3,4,6,7,8-HpCDD

200605R1_14



F4:Voltage SIR,EI+
435.817
1.850e+006

200605R1_14



F4:Voltage SIR,EI+
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1.716e+006

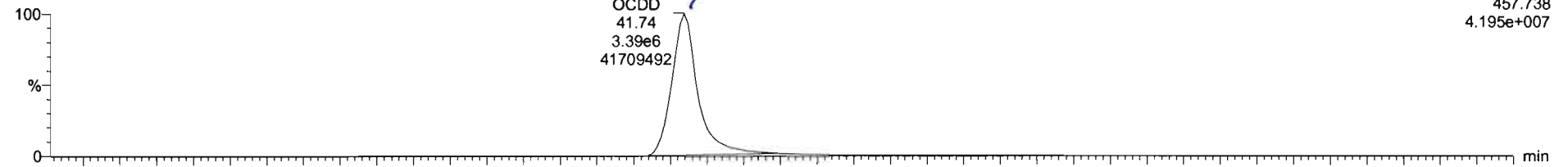
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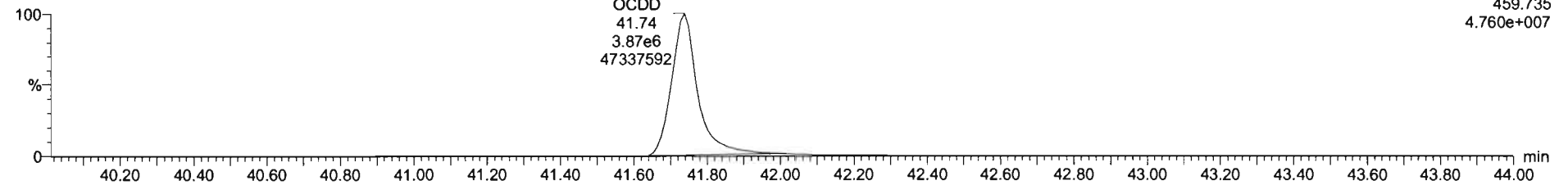
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OCDD

200605R1_14

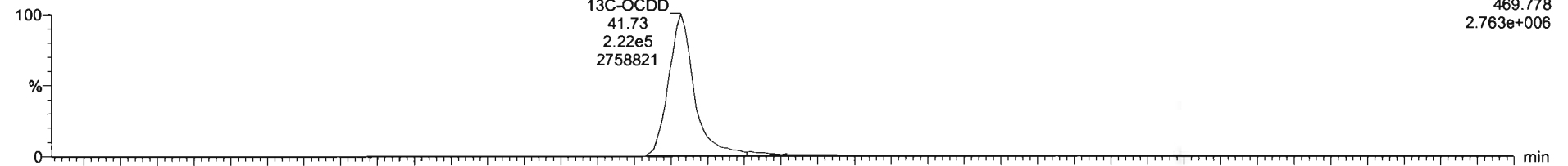


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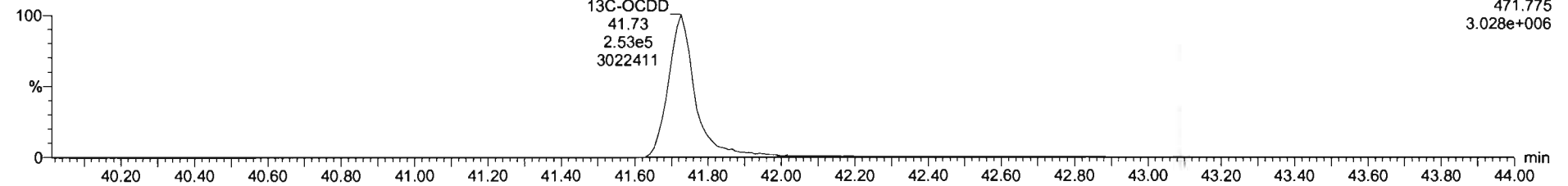


13C-OCDD

200605R1_14



200605R1_14

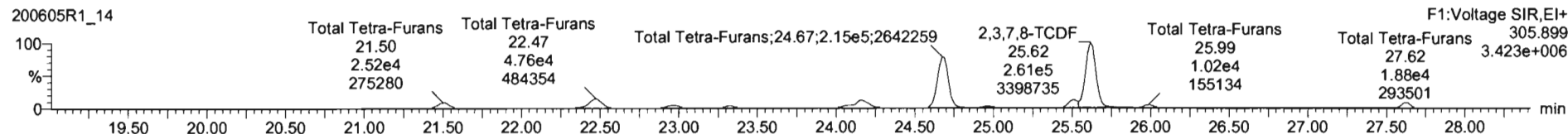
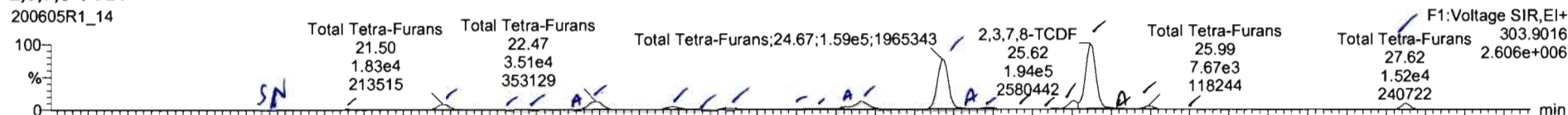


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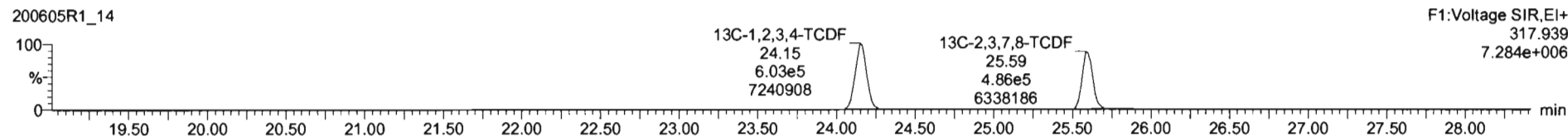
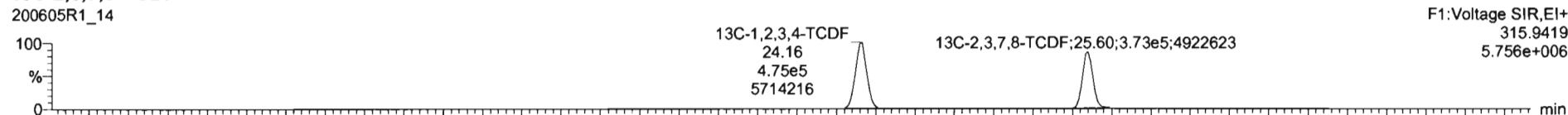
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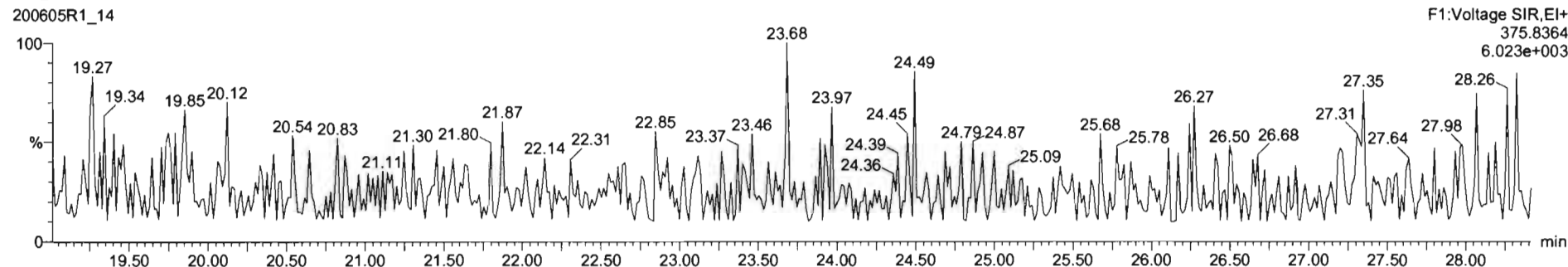
2,3,7,8-TCDF

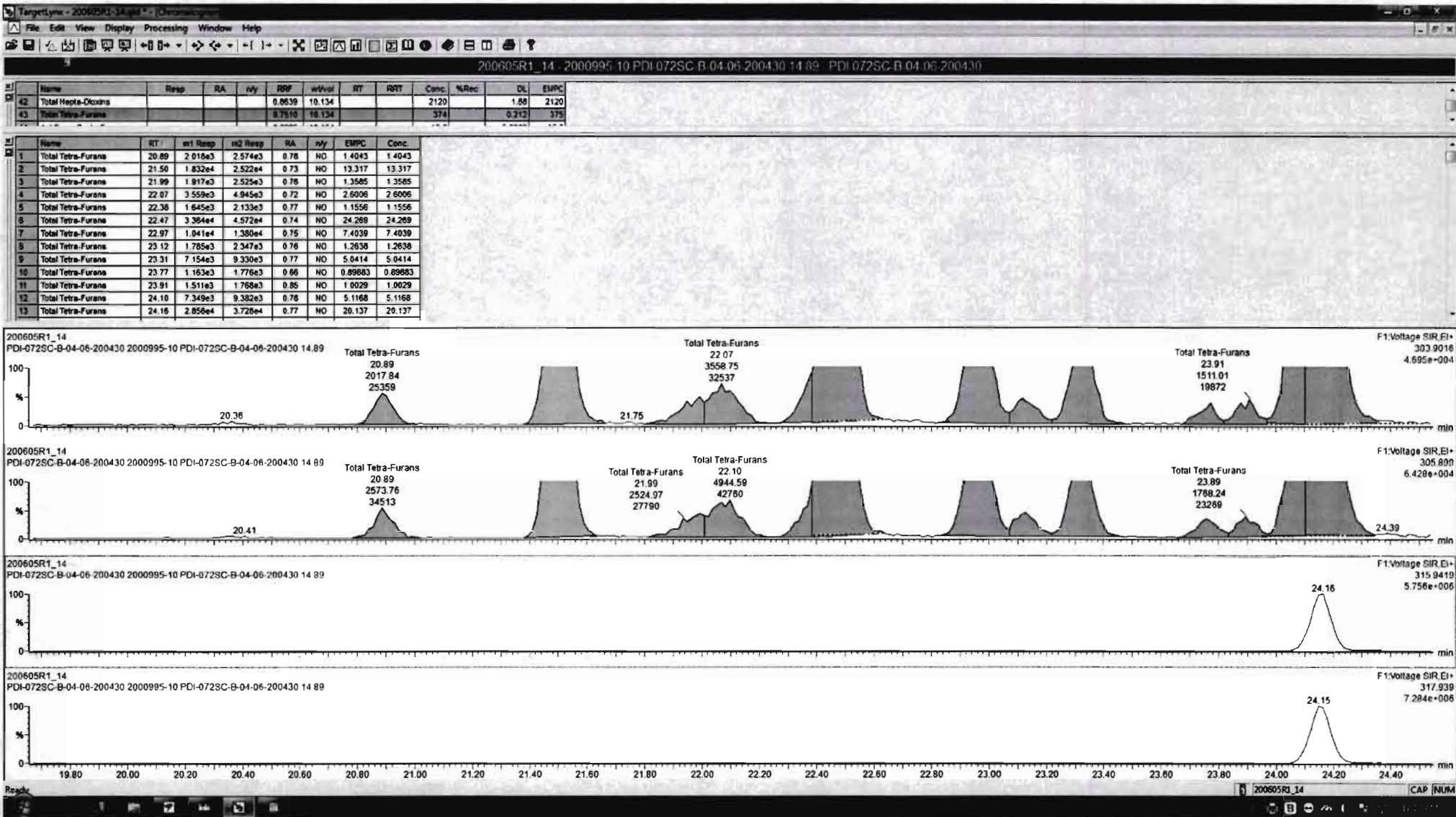


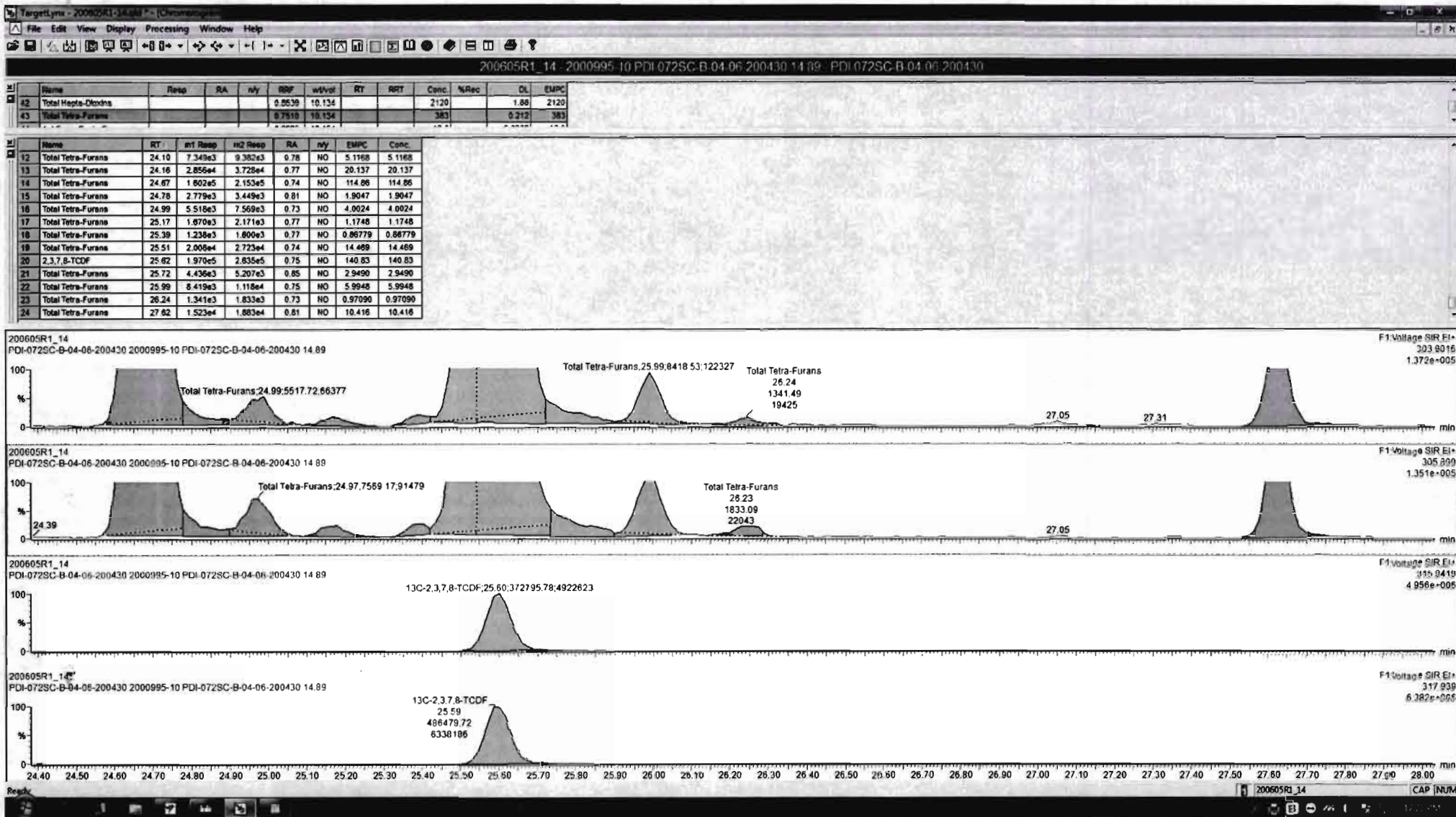
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DPE1







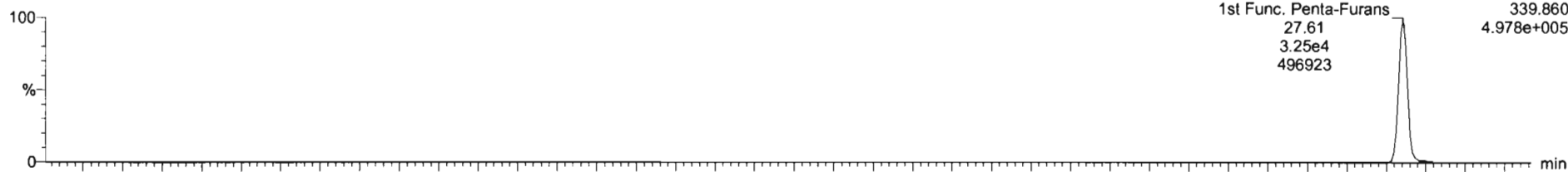
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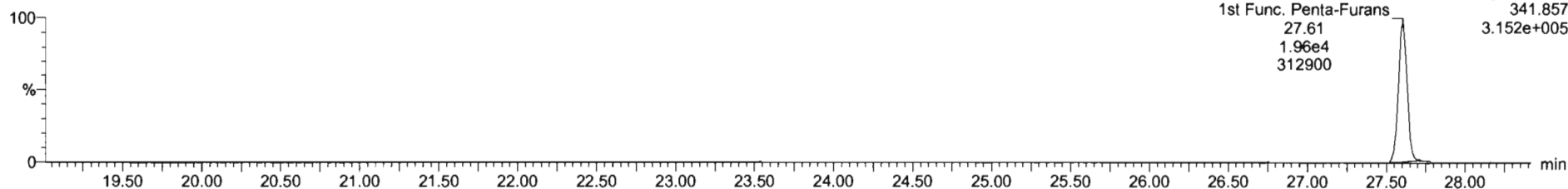
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1st Func. Penta-Furans

200605R1_14

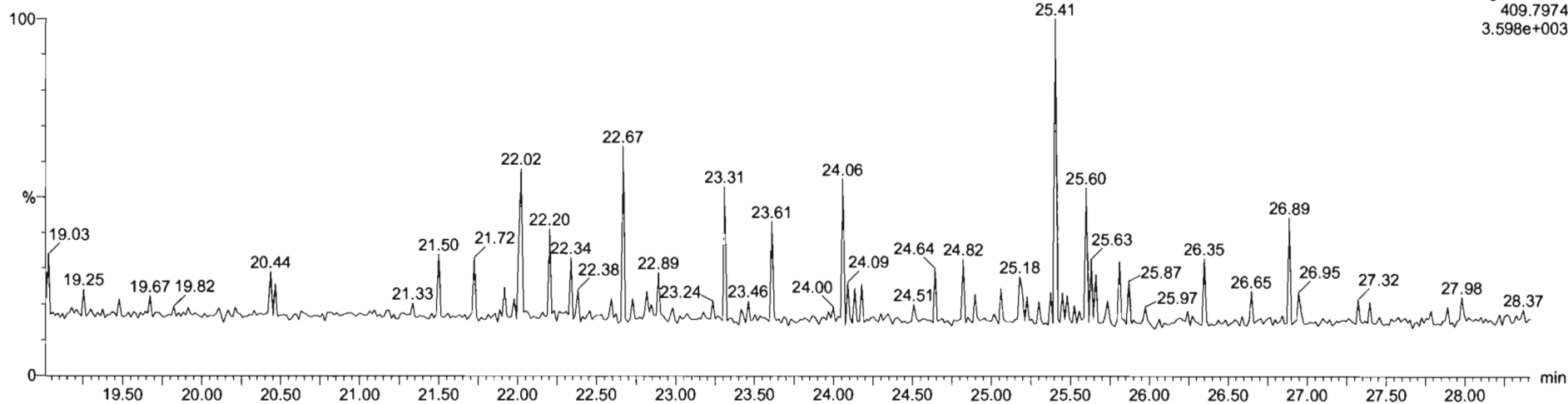


200605R1_14



DPE6

200605R1_14

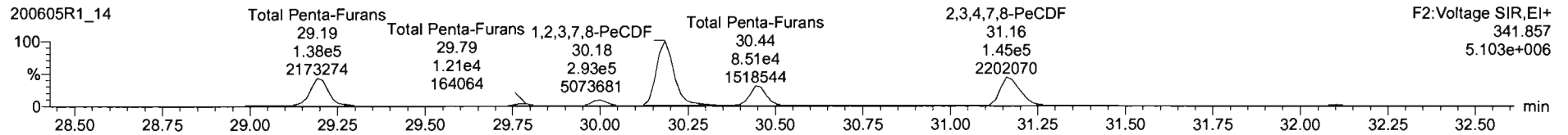
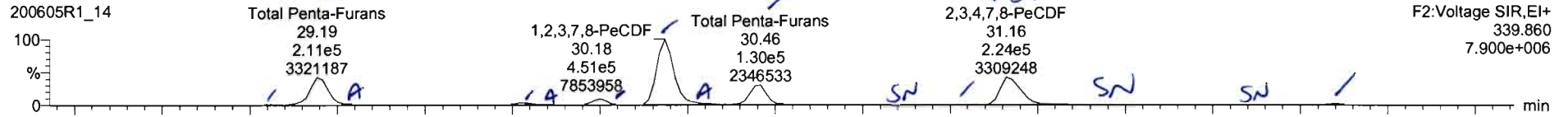


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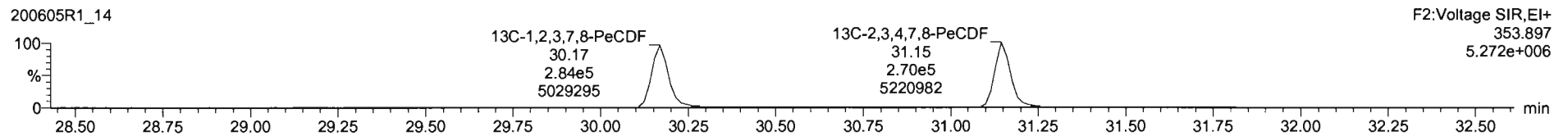
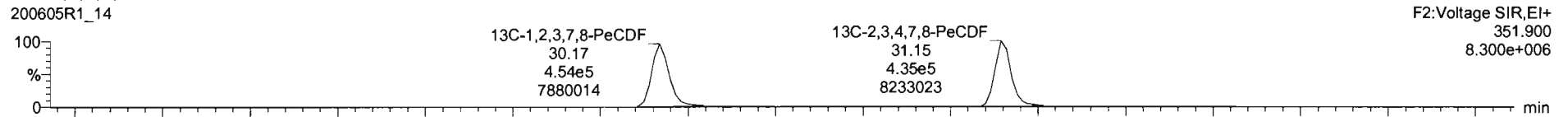
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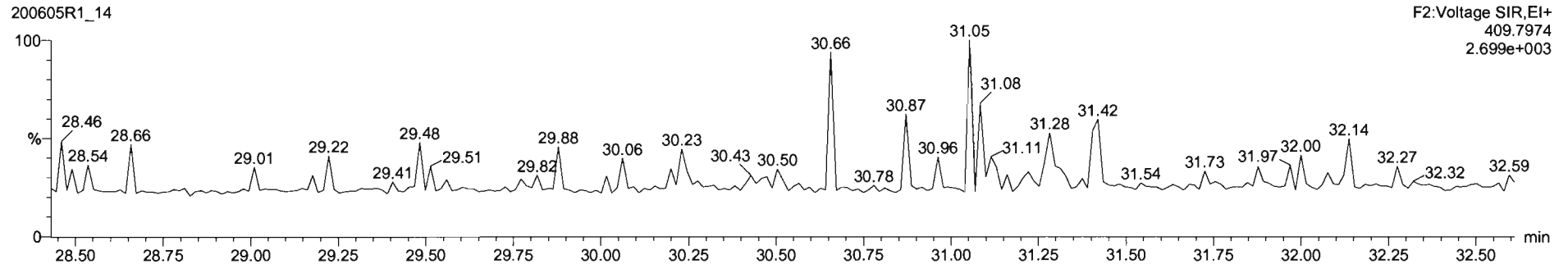
1,2,3,7,8-PeCDF



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

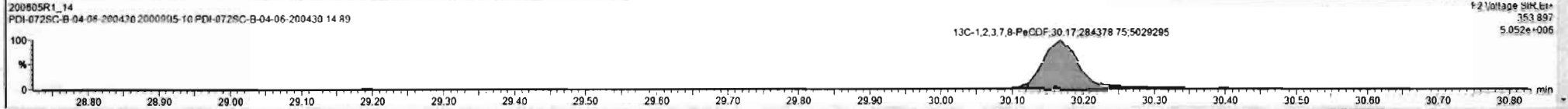
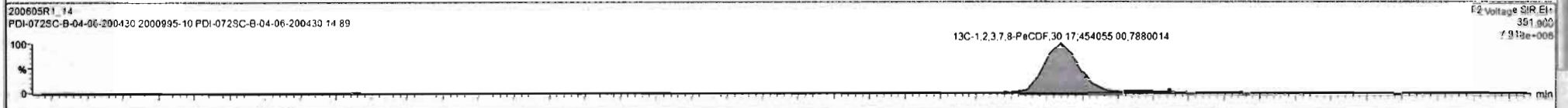
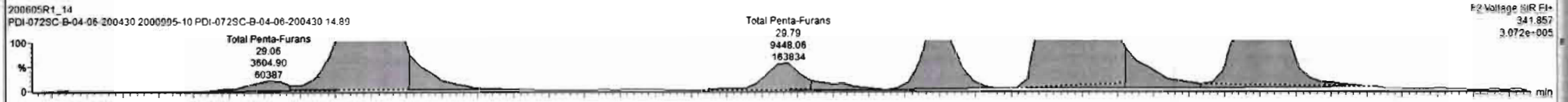
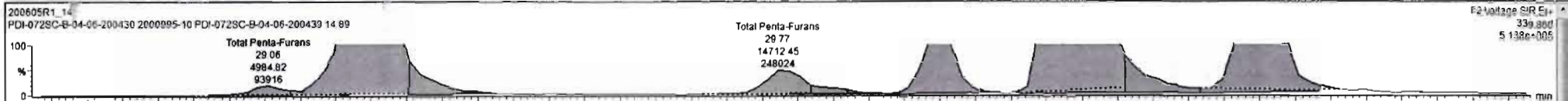


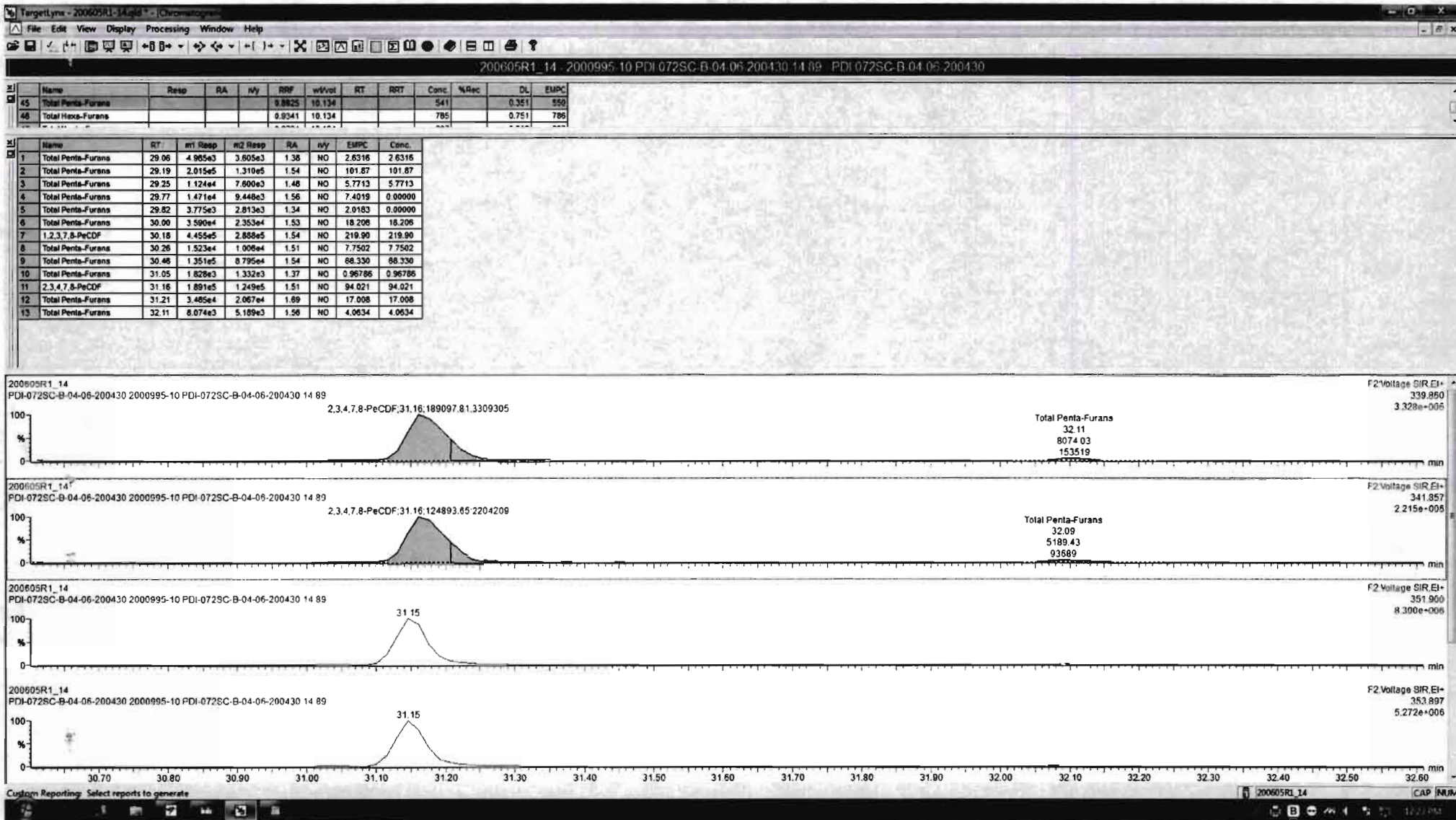
DPE2



SI	Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
45	Total Penta-Furans				0.8825	10.134			540		0.351	550
46	Total Hexa-Furans				0.9341	10.134			785		0.751	786

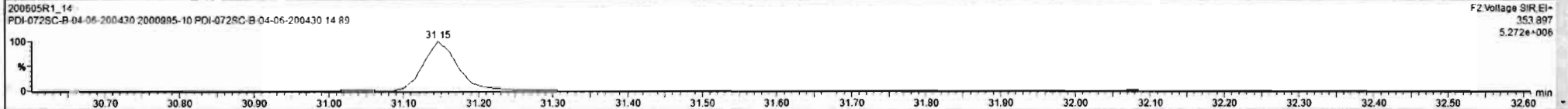
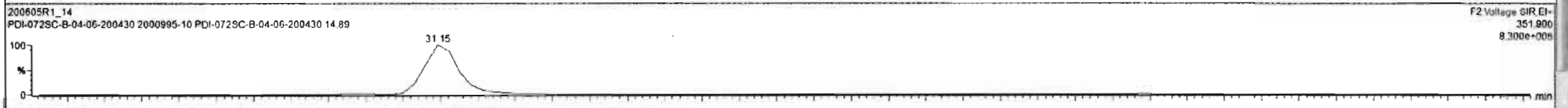
SI	Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1	Total Penta-Furans	29.06	4.965e3	3.805e3	1.38	NO	2.6316	2.6316
2	Total Penta-Furans	29.19	2.015e5	1.310e5	1.54	NO	101.87	101.87
3	Total Penta-Furans	29.25	1.124e4	7.600e3	1.48	NO	5.7713	5.7713
4	Total Penta-Furans	29.77	1.471e4	9.448e3	1.56	NO	7.4019	0.00000
5	Total Penta-Furans	29.82	3.775e3	2.813e3	1.34	NO	2.0183	0.00000
6	Total Penta-Furans	30.00	3.590e4	2.353e4	1.53	NO	18.208	18.208
7	1,2,3,7,8-PeCDF	30.18	4.455e5	2.888e5	1.54	NO	219.90	219.90
8	Total Penta-Furans	30.26	1.523e4	1.006e4	1.51	NO	7.7502	7.7502
9	Total Penta-Furans	30.46	1.351e5	8.795e4	1.54	NO	88.330	88.330
10	Total Penta-Furans	30.95	6.369e2	3.660e2	1.74	NO	0.30725	0.30725
11	Total Penta-Furans	31.05	1.828e3	1.332e3	1.37	NO	0.96786	0.96786
12	2,3,4,7,8-PeCDF	31.16	2.237e5	1.450e5	1.54	NO	110.41	110.41
13	Total Penta-Furans	31.45	3.545e2	2.853e2	1.24	YES	0.17865	0.00000
14	Total Penta-Furans	32.11	8.509e3	5.522e3	1.54	NO	4.2986	4.2986
15	Total Penta-Furans	32.33	6.790e2	3.007e2	2.26	YES	0.23489	0.00000





Name	Resp	RA	nY	RF	wProd	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.8825	10.134			541		0.351	550
46 Total Hexa-Furans				0.9341	10.134			785		0.751	786

Name	RT	m1 Resp	m2 Resp	RA	nY	EMPC	Conc.
1 Total Penta-Furans	29.06	4.985e3	3.605e3	1.38	NO	2.6316	2.6316
2 Total Penta-Furans	29.19	2.015e4	1.310e5	1.54	NO	101.87	101.87
3 Total Penta-Furans	29.25	1.124e4	7.600e3	1.48	NO	5.7713	5.7713
4 Total Penta-Furans	29.77	1.471e4	9.448e3	1.56	NO	7.4019	0.00000
5 Total Penta-Furans	29.82	3.775e3	2.813e3	1.34	NO	2.0183	0.00000
6 Total Penta-Furans	30.00	3.590e4	2.353e4	1.53	NO	18.206	18.206
7 1,2,3,7,8-PeCDF	30.18	4.455e5	2.888e5	1.54	NO	219.90	219.90
8 Total Penta-Furans	30.26	1.523e4	1.008e4	1.51	NO	7.7502	7.7502
9 Total Penta-Furans	30.46	1.351e5	8.795e4	1.54	NO	68.30	68.30
10 Total Penta-Furans	31.05	1.828e3	1.332e3	1.37	NO	0.96786	0.96786
11 2,3,4,7,8-PeCDF	31.16	1.891e5	1.249e5	1.51	NO	94.021	94.021
12 Total Penta-Furans	31.21	3.485e4	2.087e4	1.89	NO	17.008	17.008
13 Total Penta-Furans	32.11	8.07e3	5.189e3	1.56	NO	4.0634	4.0634

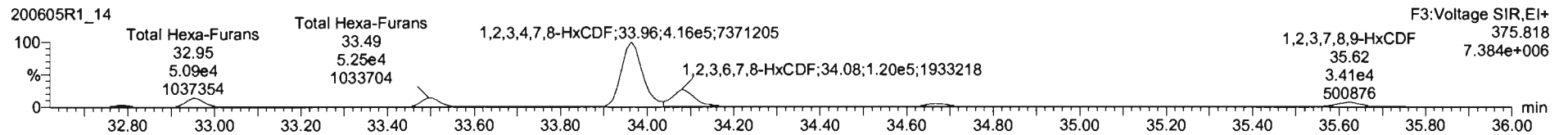
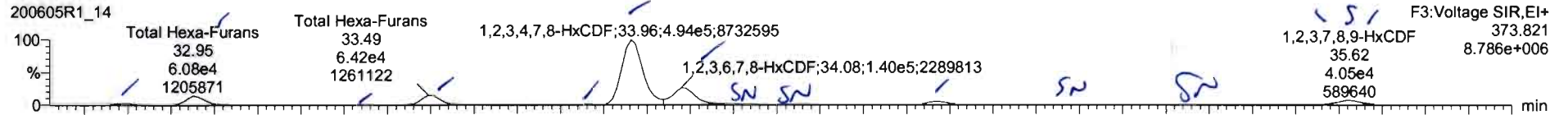


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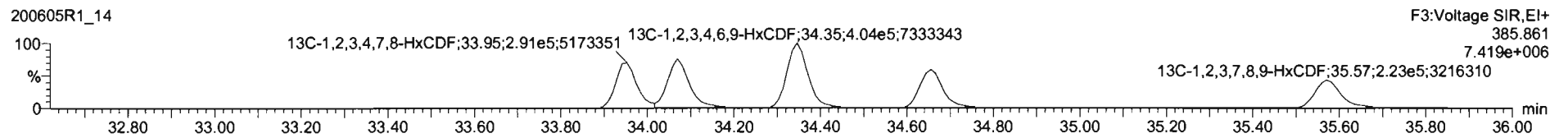
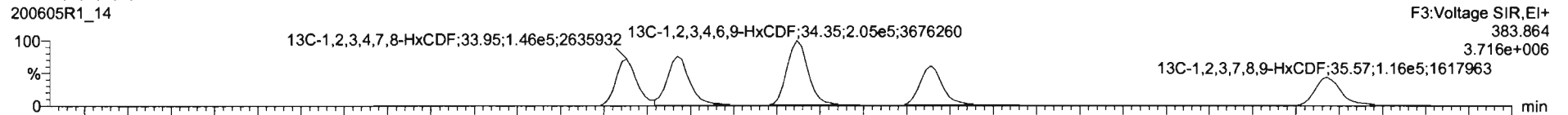
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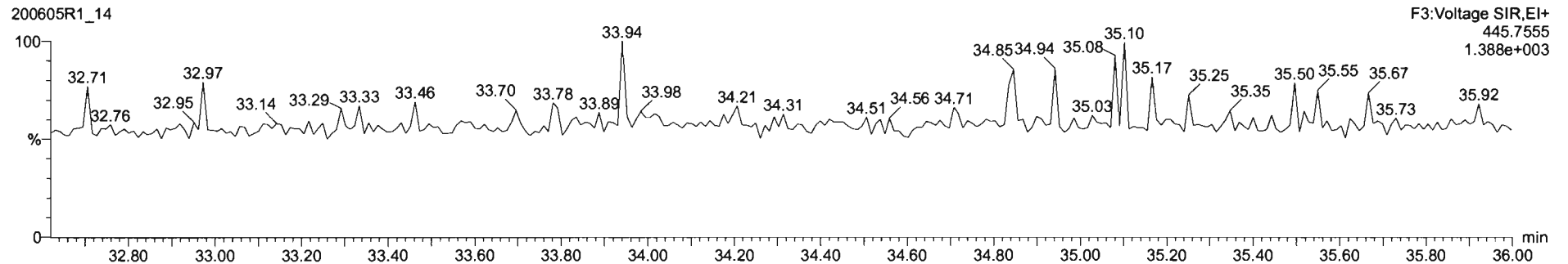
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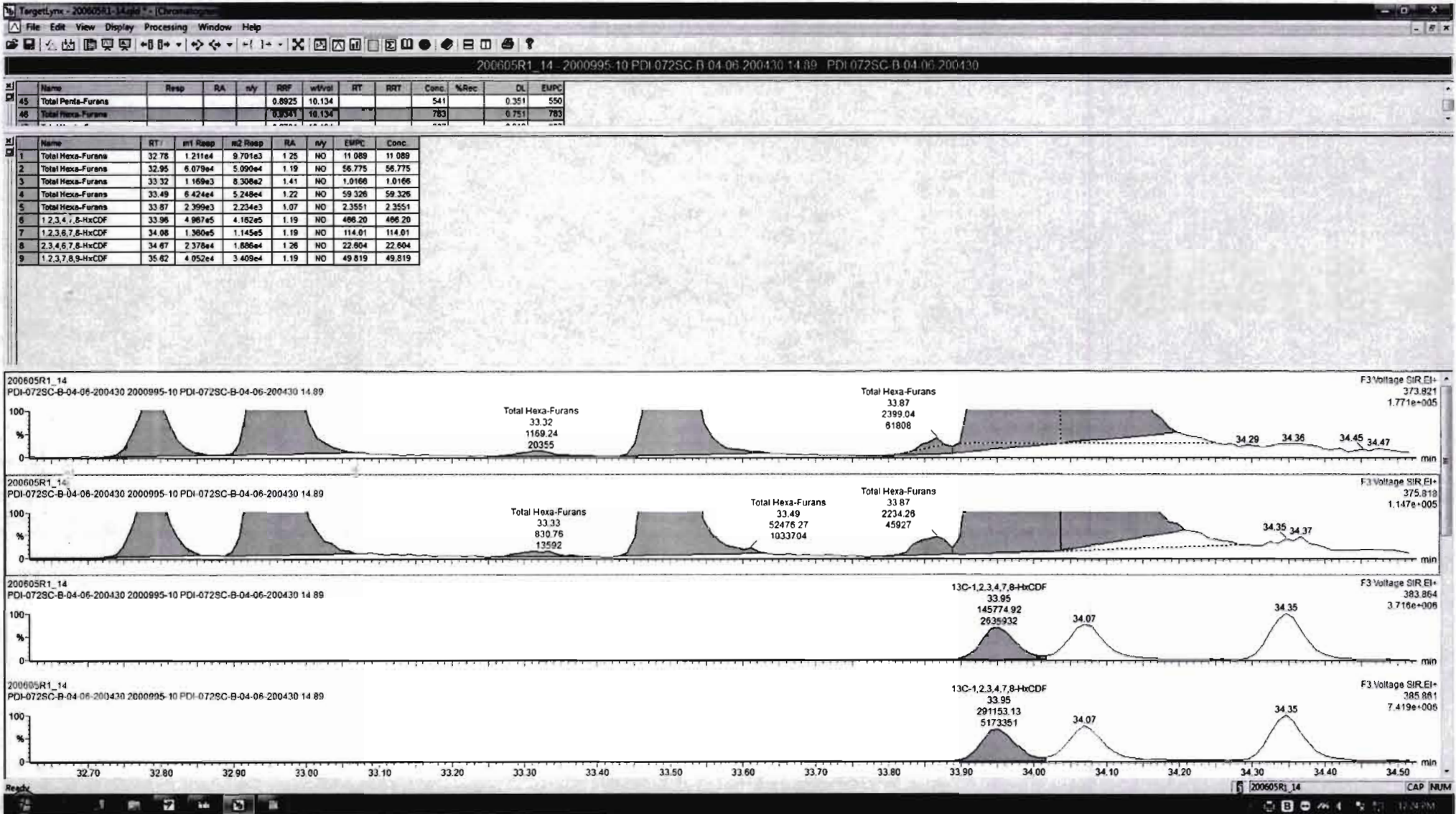


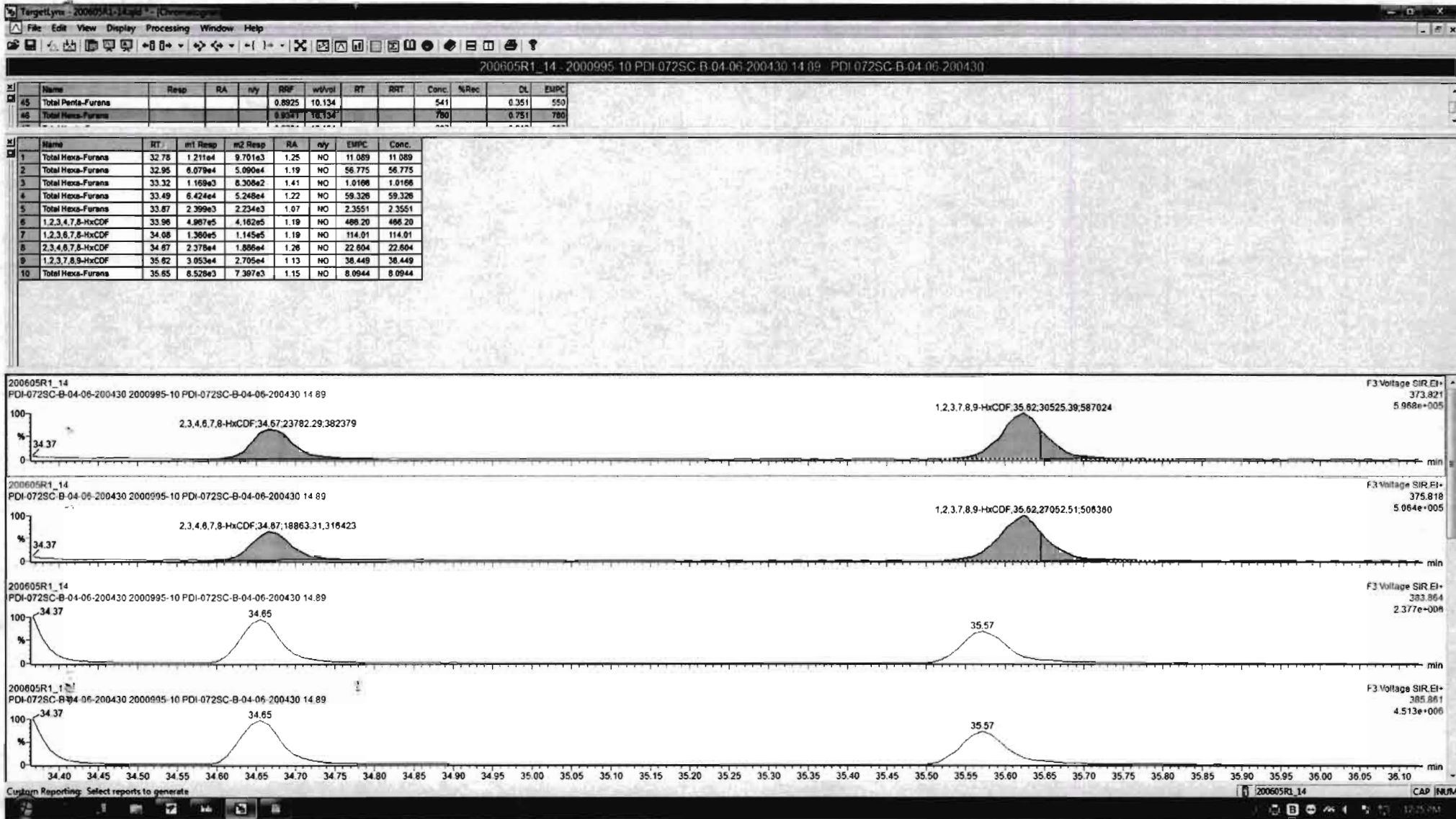
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DPE3







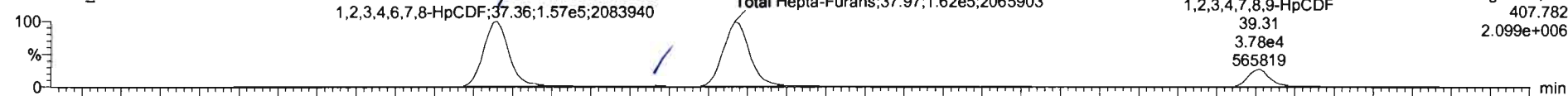
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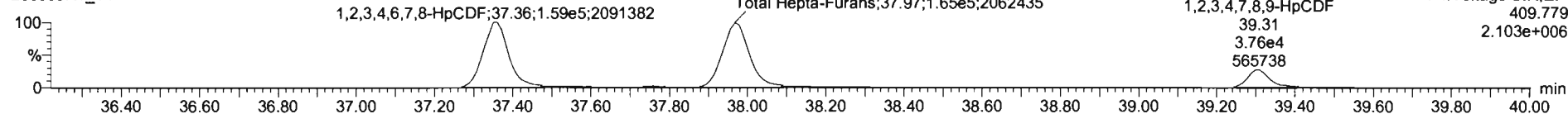
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1,2,3,4,6,7,8-HpCDF

200605R1_14

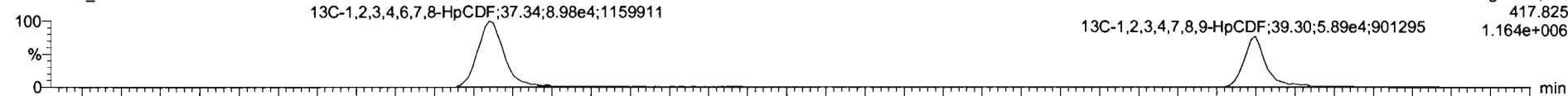


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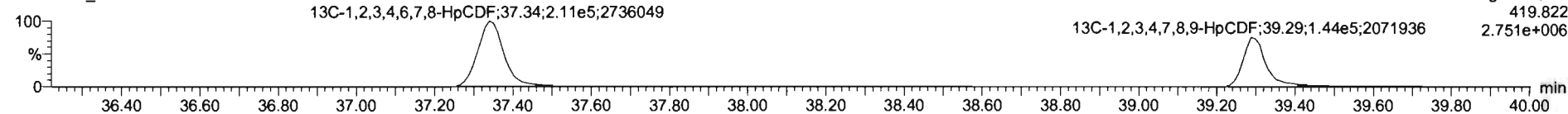


13C-1,2,3,4,6,7,8-HpCDF

200605R1_14

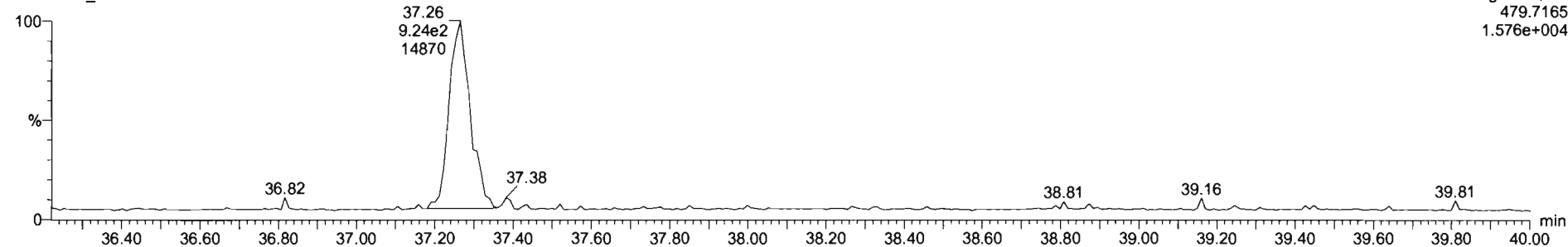


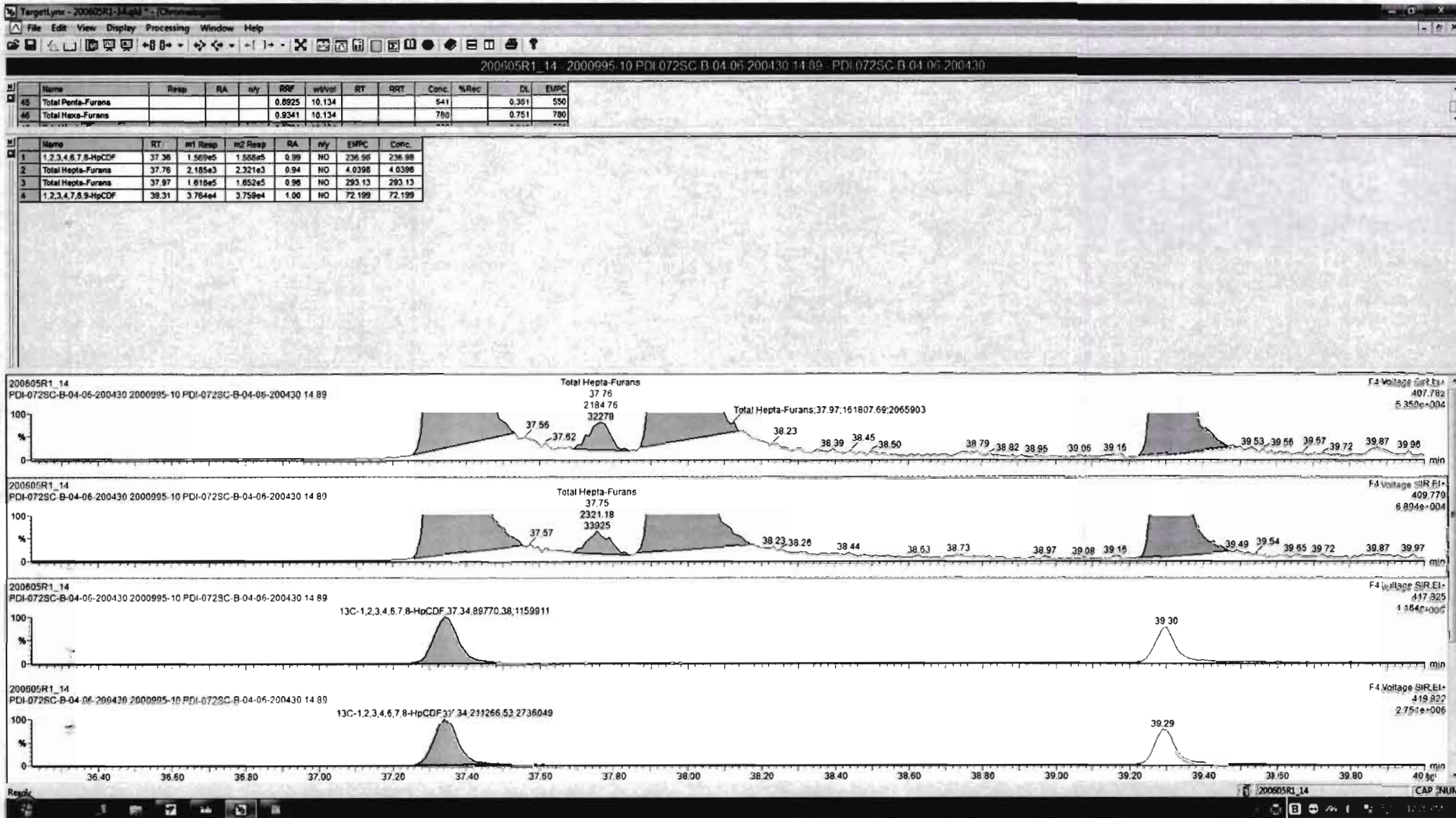
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DPE4

200605R1_14



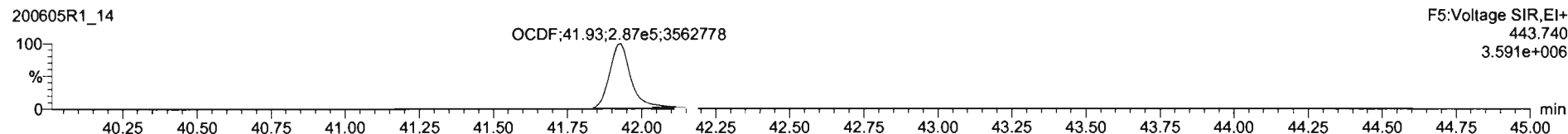
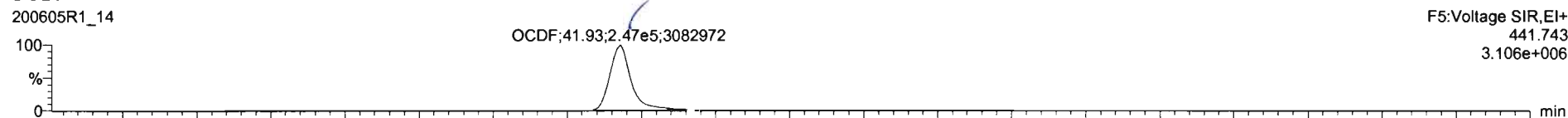


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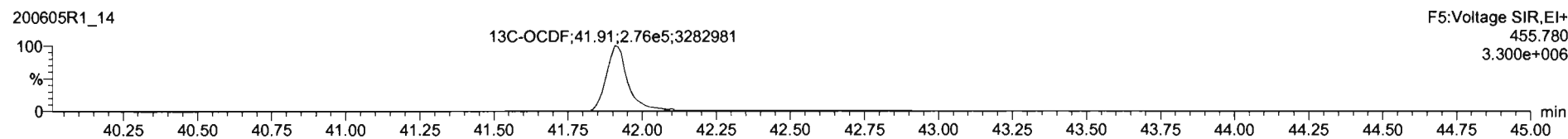
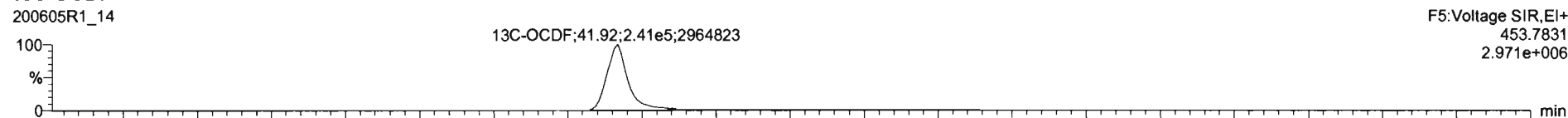
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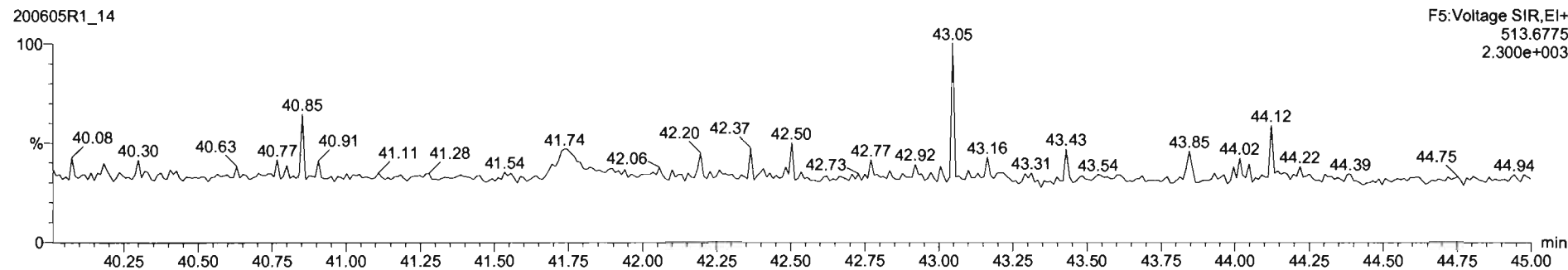
OCDF



13C-OCDF



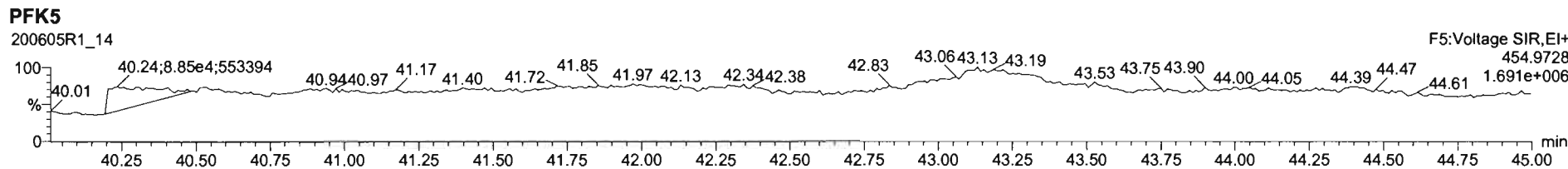
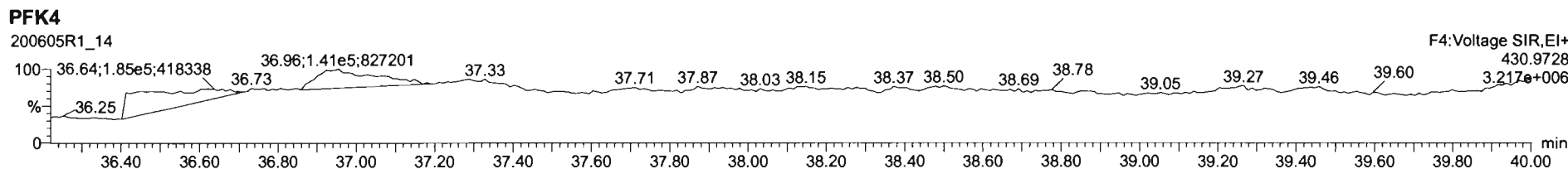
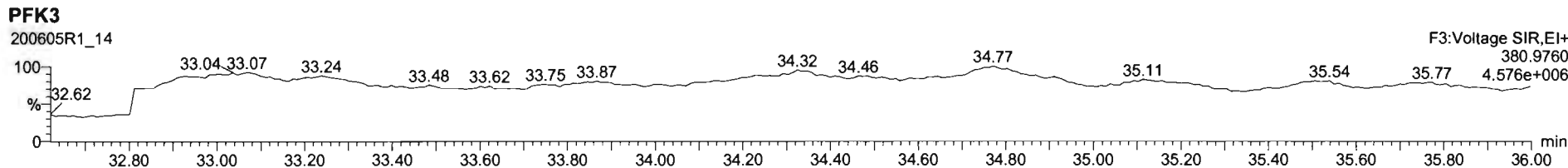
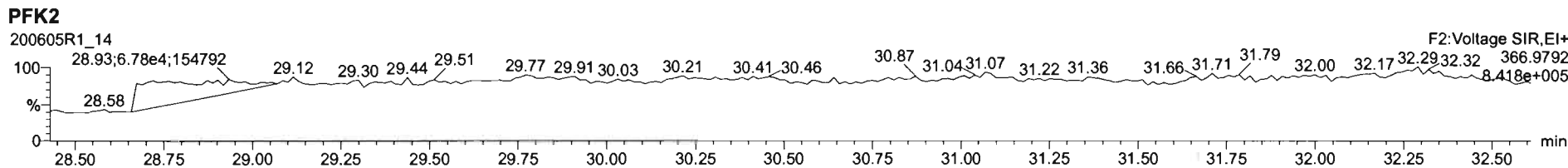
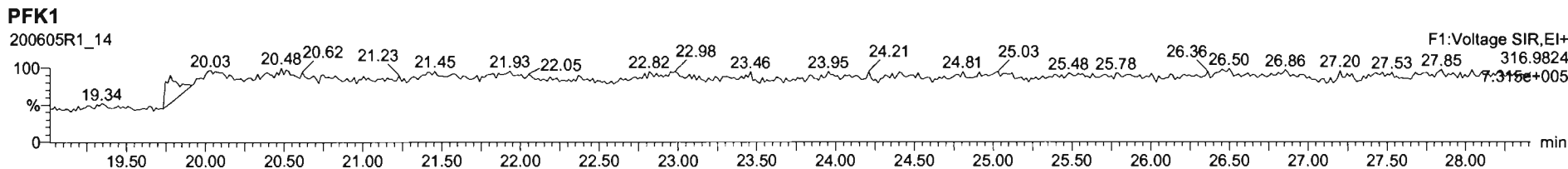
DPE5



Dataset: Untitled

Last Altered: Sunday, June 07, 2020 08:21:27 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

Name: 200605R1_14, Date: 05-Jun-2020, Time: 19:55:04, ID: 2000995-10 PDI-072SC-B-04-06-200430 14.89, Description: PDI-072SC-B-04-06-200430



Dataset: U:\VG12.PRO\Results\200608R2\200608R2-7.qld

Last Altered: Tuesday, June 09, 2020 7:53:41 AM Pacific Daylight Time
Printed: Thursday, June 11, 2020 12:31:58 PM Pacific Daylight Time

GRB 06/11/2020

07/06/15/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200608R2_7, Date: 09-Jun-2020, Time: 04:50:30, ID: 2000995-10@2X PDI-072SC-B-04-06-200430 14.89, Description: PDI-072SC-B-04-06-200430

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	7 OCDD	3.11e6	0.87	NO	0.914	10.134	41.716	41.74	1.000	1.000	7068.6		4.10	7070
2	24 13C-OCDD	1.90e5	0.88	NO	0.652	10.134	41.736	41.72	1.216	1.215	208.28	52.8	0.950	
3	35 37Cl-2,3,7,8-TCDD	1.11e5			1.04	10.134	26.507	26.47	1.028	1.026	64.332	81.5	0.105	
4	36 13C-1,2,3,4-TCDD	3.27e5	0.82	NO	1.00	10.134	25.890	25.80	1.000	1.000	197.36	100	0.500	
5	37 13C-1,2,3,4-TCDF	5.16e5	0.80	NO	1.00	10.134	24.360	24.09	1.000	1.000	197.36	100	0.611	
6	38 13C-1,2,3,4,6,9-HxCDF	2.76e5	0.50	NO	1.00	10.134	34.420	34.33	1.000	1.000	197.36	100	1.07	

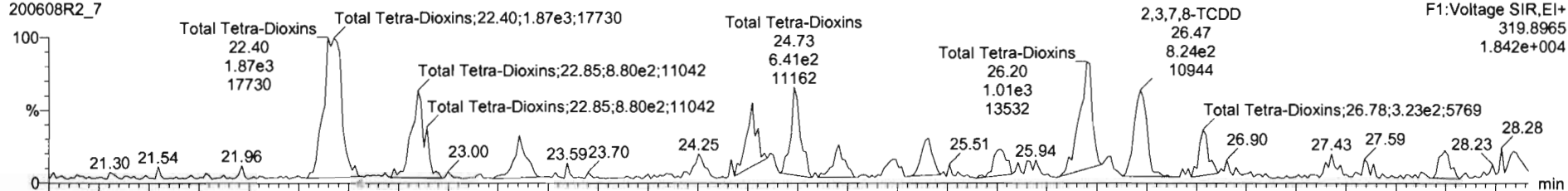
Dataset: Untitled

Last Altered: Tuesday, June 09, 2020 07:31:50 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:51:33 Pacific Daylight Time

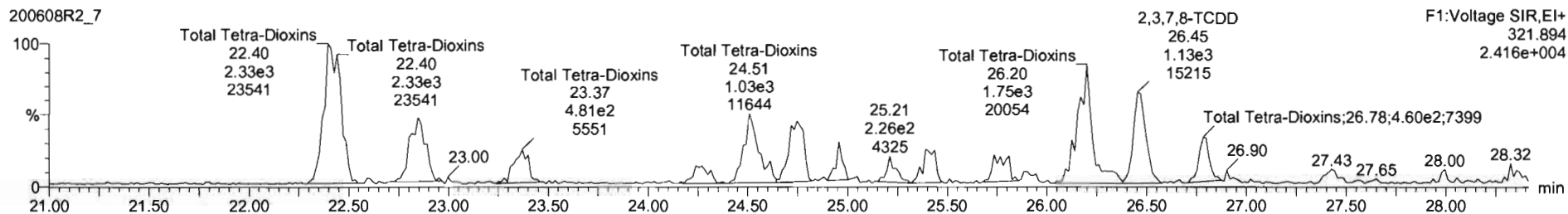
Name: 200608R2_7, Date: 09-Jun-2020, Time: 04:50:30, ID: 2000995-10@2X PDI-072SC-B-04-06-200430 14.89, Description: PDI-072SC-B-04-06-200430

2,3,7,8-TCDD

200608R2_7

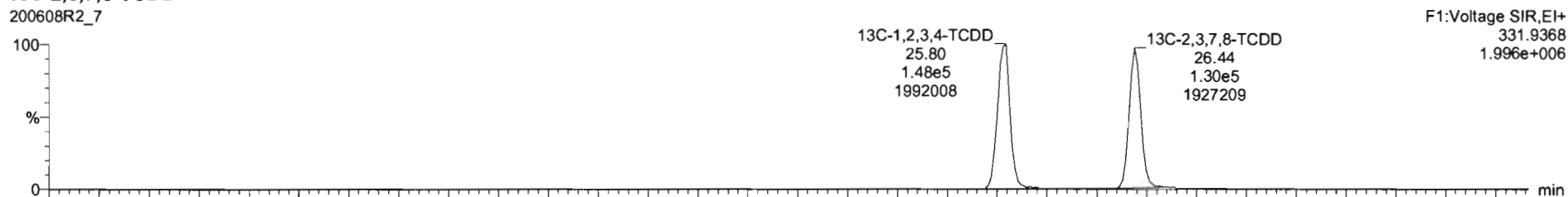


200608R2_7

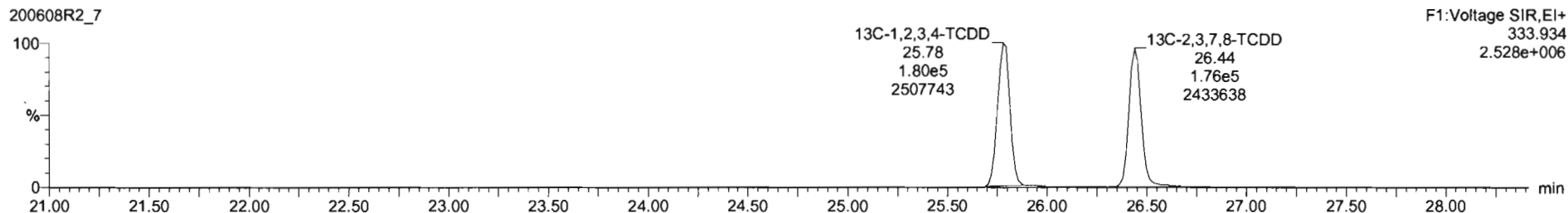


13C-2,3,7,8-TCDD

200608R2_7



200608R2_7



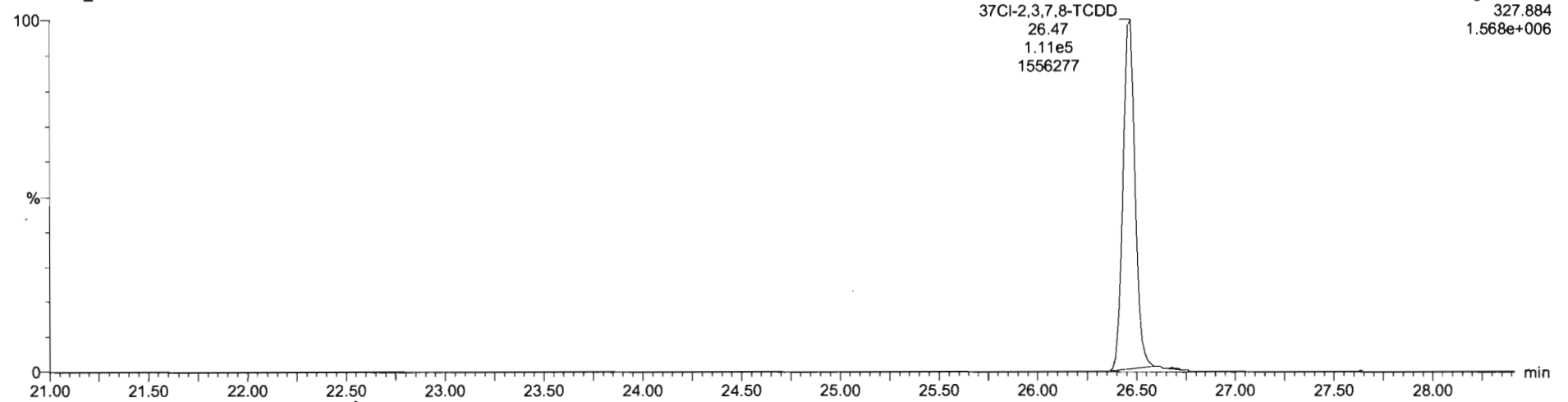
Dataset: Untitled

Last Altered: Tuesday, June 09, 2020 07:31:50 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:51:33 Pacific Daylight Time

Name: 200608R2_7, Date: 09-Jun-2020, Time: 04:50:30, ID: 2000995-10@2X PDI-072SC-B-04-06-200430 14.89, Description: PDI-072SC-B-04-06-200430

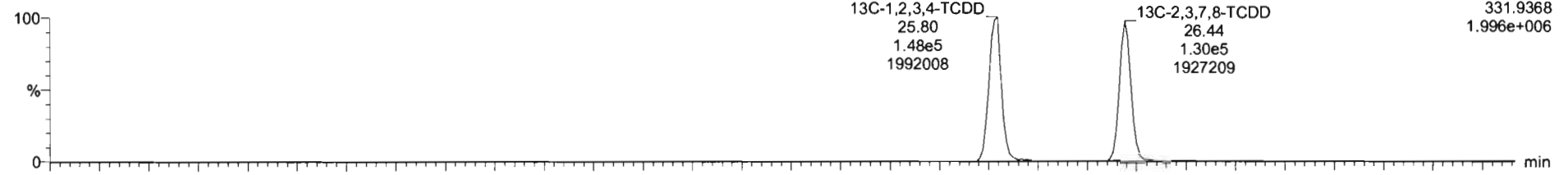
37Cl-2,3,7,8-TCDD

200608R2_7

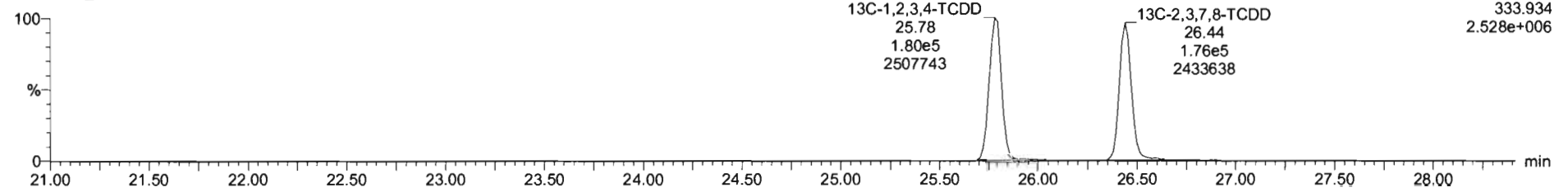


13C-1,2,3,4-TCDD

200608R2_7



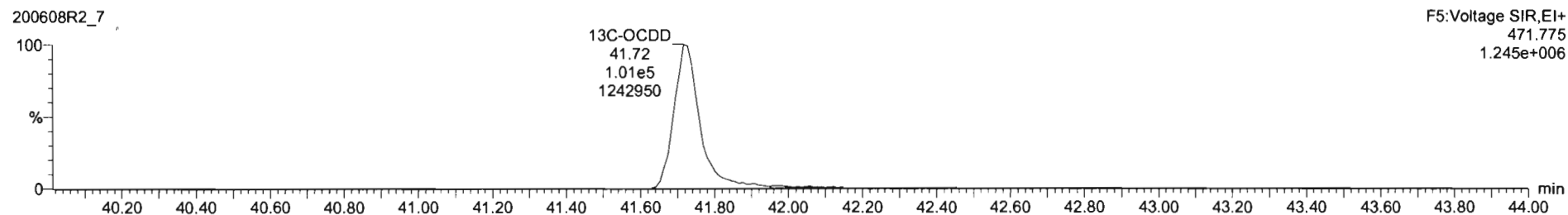
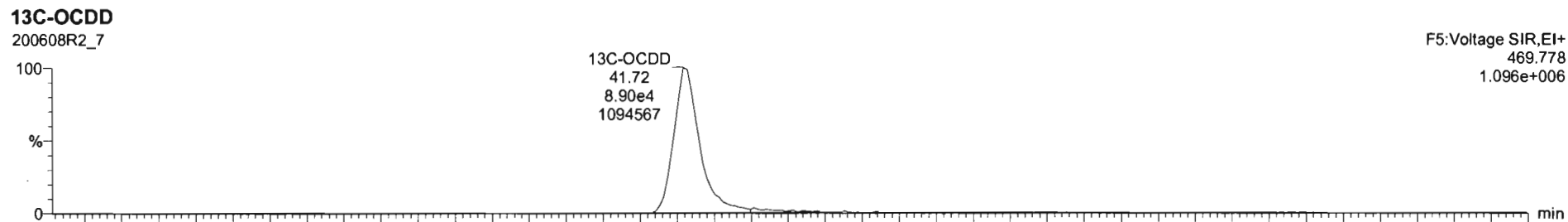
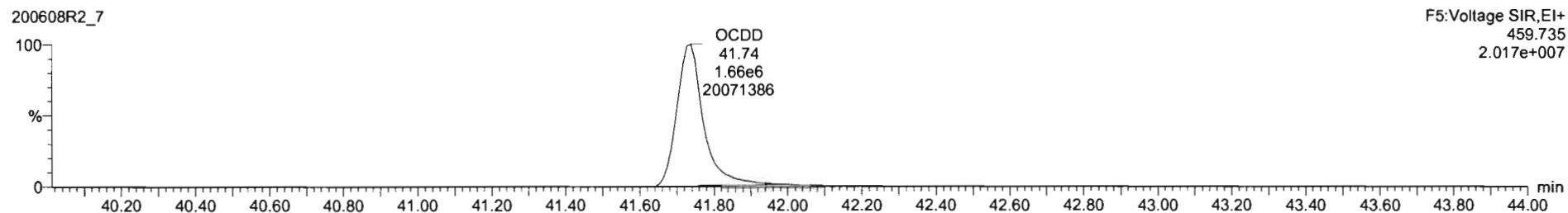
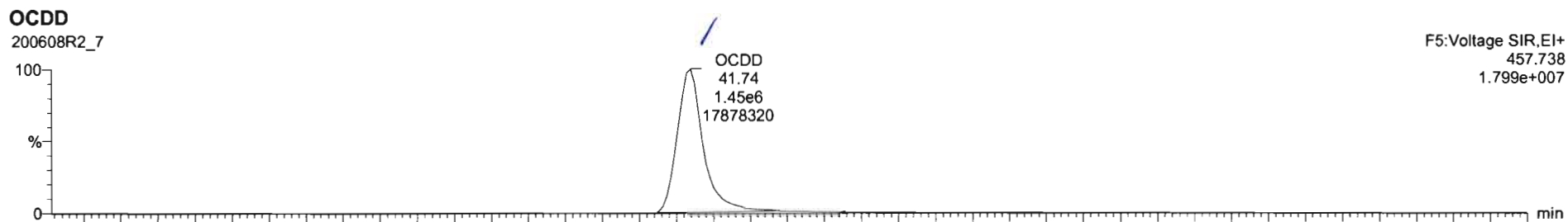
200608R2_7



Dataset: Untitled

Last Altered: Tuesday, June 09, 2020 07:31:50 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:51:33 Pacific Daylight Time

Name: 200608R2_7, Date: 09-Jun-2020, Time: 04:50:30, ID: 2000995-10@2X PDI-072SC-B-04-06-200430 14.89, Description: PDI-072SC-B-04-06-200430

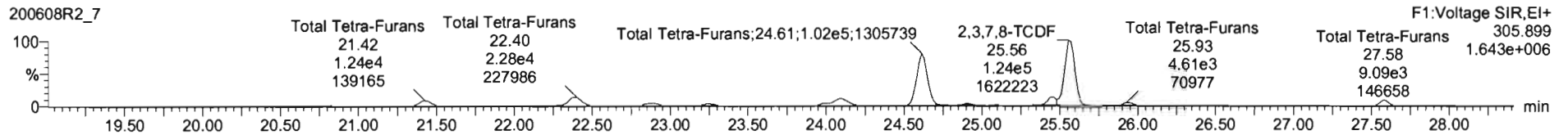
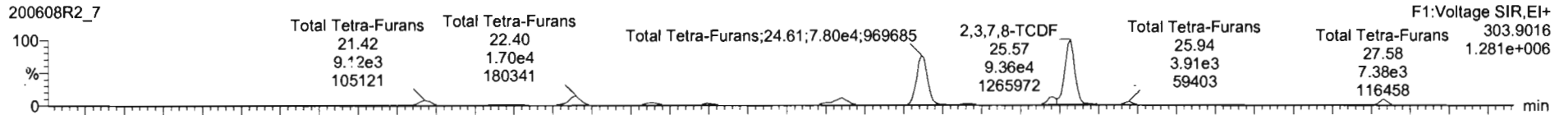


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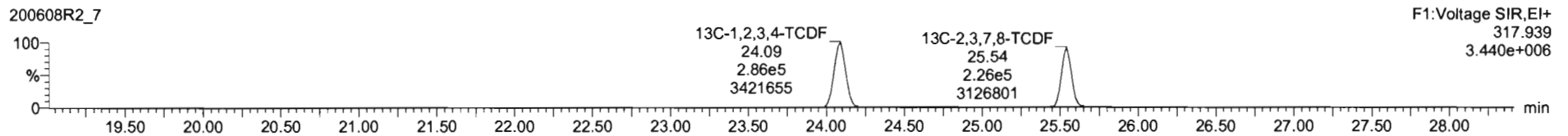
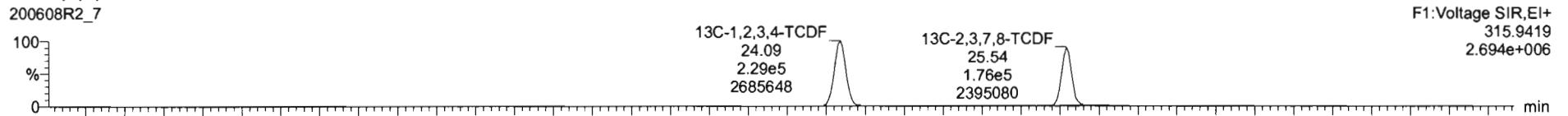
Last Altered: Tuesday, June 09, 2020 07:31:50 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:51:33 Pacific Daylight Time

Name: 200608R2_7, Date: 09-Jun-2020, Time: 04:50:30, ID: 2000995-10@2X PDI-072SC-B-04-06-200430 14.89, Description: PDI-072SC-B-04-06-200430

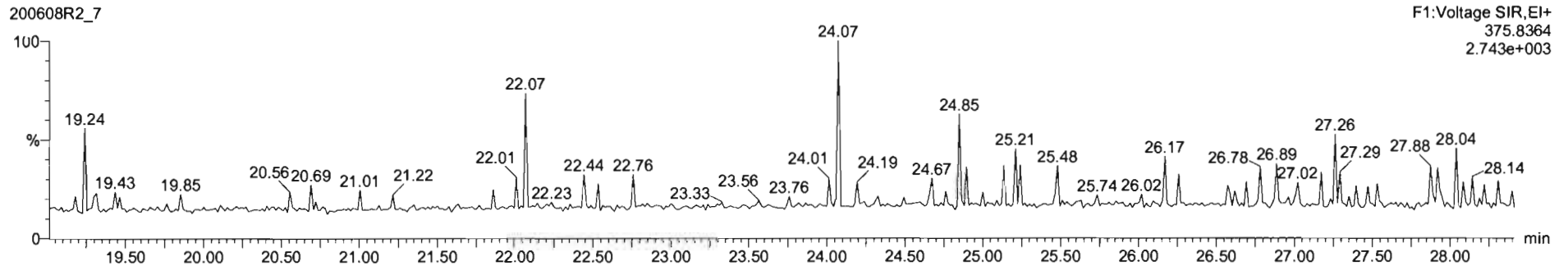
2,3,7,8-TCDF



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



DPE1

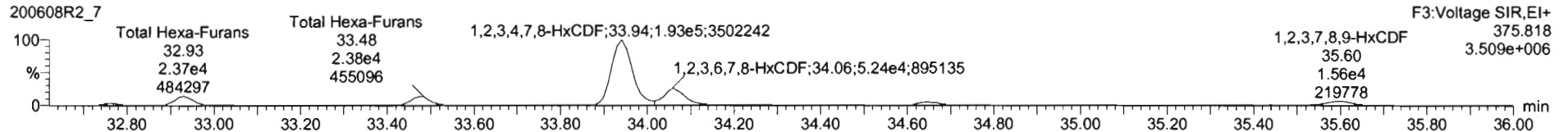
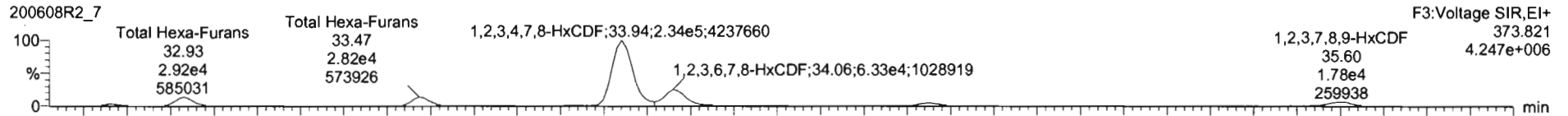


Dataset: Untitled

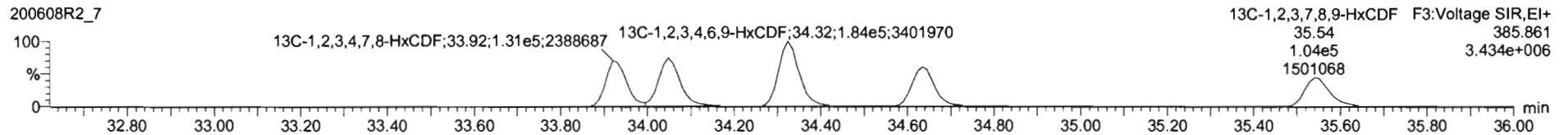
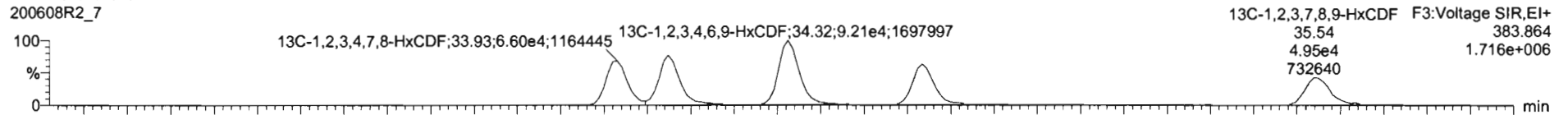
Last Altered: Tuesday, June 09, 2020 07:31:50 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:51:33 Pacific Daylight Time

Name: 200608R2_7, Date: 09-Jun-2020, Time: 04:50:30, ID: 2000995-10@2X PDI-072SC-B-04-06-200430 14.89, Description: PDI-072SC-B-04-06-200430

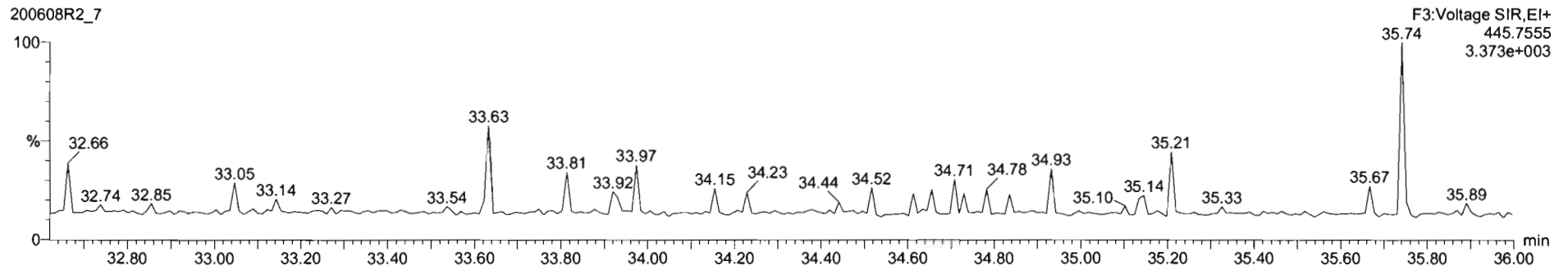
1,2,3,4,7,8-HxCDF



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



DPE3

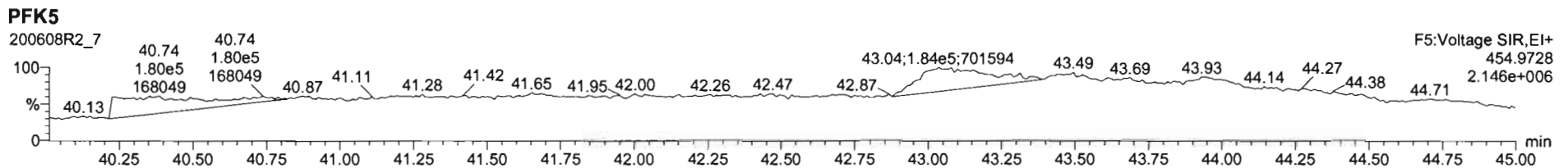
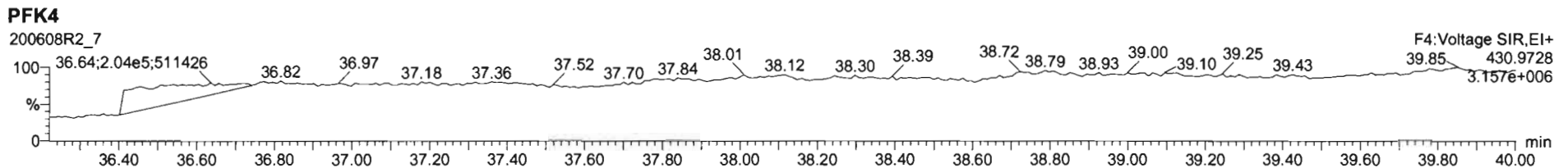
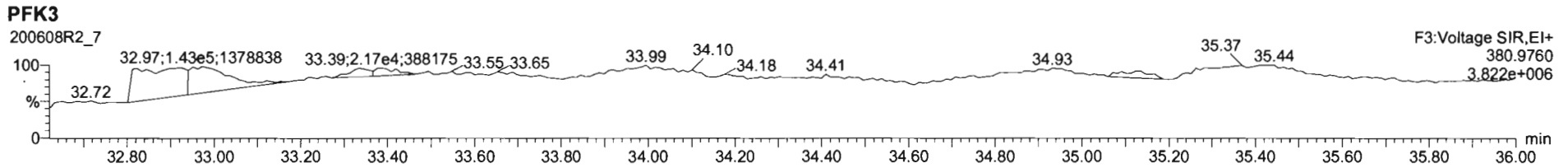
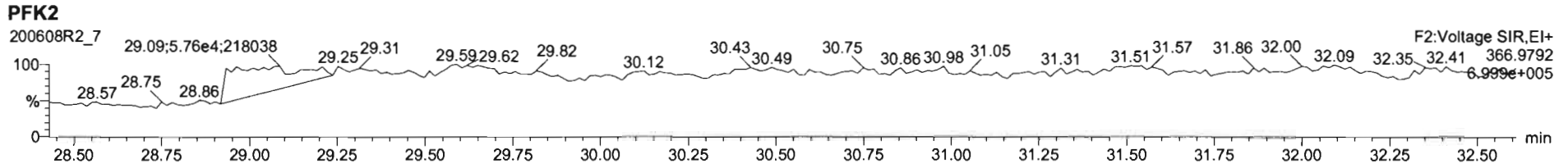
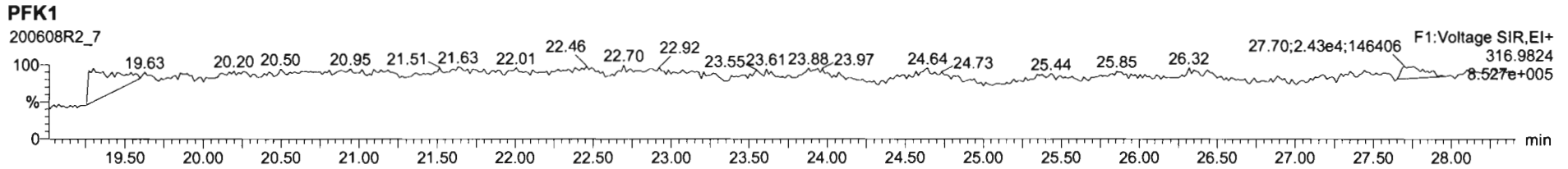


Dataset: Untitled

Last Altered: Tuesday, June 09, 2020 07:31:50 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 07:51:33 Pacific Daylight Time

Name: 200608R2_7, Date: 09-Jun-2020, Time: 04:50:30, ID: 2000995-10@2X PDI-072SC-B-04-06-200430 14.89, Description: PDI-072SC-B-04-06-200430



Dataset: U:\VG12.PRO\Results\200605R1\200605R1-15.qld

Last Altered: Tuesday, June 09, 2020 11:57:32 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 11:58:21 Pacific Daylight Time

GRB 06/09/2020

06/15/2020

Method: Untitled 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R1_15, Date: 05-Jun-2020, Time: 20:41:16, ID: B0E0079-DUP1 Duplicate 14.82, Description: Duplicate

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	3.98e3	0.79	NO	0.888	10.086	26.531	26.53	1.001	1.001	1.4756		0.168	1.48
2	1,2,3,7,8-PeCDD	4.96e3	0.67	NO	0.908	10.086	31.488	31.48	1.001	1.000	2.3129		0.155	2.31
3	1,2,3,4,7,8-HxCDD	3.57e3	1.27	NO	1.03	10.086	34.846	34.85	1.000	1.000	2.1907		0.537	2.19
4	1,2,3,6,7,8-HxCDD	2.49e4	1.25	NO	0.892	10.086	34.943	34.95	1.000	1.000	14.284		0.546	14.3
5	1,2,3,7,8,9-HxCDD	8.99e3	1.34	NO	0.887	10.086	35.231	35.24	1.000	1.001	5.8491		0.630	5.85
6	1,2,3,4,6,7,8-HpCDD	8.13e5	1.01	NO	0.864	10.086	38.778	38.78	1.000	1.000	722.76		1.77	723
7	OCDD	4.93e6	0.88	NO	0.914	10.086	41.749	41.76	1.000	1.000	4782.2		2.18	4780
8	2,3,7,8-TCDF	3.93e5	0.76	NO	0.751	10.086	25.641	25.63	1.001	1.001	142.98	(116)	0.334	143
9	1,2,3,7,8-PeCDF	7.05e5	1.55	NO	0.893	10.086	30.205	30.20	1.001	1.001	231.72		0.621	232
10	2,3,4,7,8-PeCDF	2.77e5	1.55	NO	0.935	10.086	31.180	31.18	1.001	1.000	88.857		0.554	88.9
11	1,2,3,4,7,8-HxCDF	9.00e5	1.19	NO	0.884	10.086	33.963	33.97	1.000	1.000	491.31		0.808	491
12	1,2,3,6,7,8-HxCDF	2.45e5	1.22	NO	0.889	10.086	34.090	34.09	1.000	1.000	115.74		0.719	116
13	2,3,4,6,7,8-HxCDF	4.15e4	1.24	NO	0.934	10.086	34.701	34.68	1.001	1.000	22.886		0.877	22.9
14	1,2,3,7,8,9-HxCDF	5.73e4	1.15	NO	0.871	10.086	35.582	35.63	1.000	1.001	37.697		1.23	37.7
15	1,2,3,4,6,7,8-HpCDF	2.36e5	1.00	NO	0.873	10.086	37.387	37.37	1.001	1.001	184.83		0.855	185
16	1,2,3,4,7,8,9-HpCDF	6.57e4	1.00	NO	1.01	10.086	39.310	39.32	1.000	1.000	68.081		1.01	68.1
17	OCDF	3.78e5	0.81	NO	0.806	10.086	41.940	41.95	1.000	1.000	396.84		0.632	397
18	13C-2,3,7,8-TCDD	6.02e5	0.80	NO	1.16	10.086	26.522	26.50	1.026	1.026	155.98	78.7	0.264	
19	13C-1,2,3,7,8-PeCDD	4.68e5	0.61	NO	0.849	10.086	31.711	31.47	1.227	1.218	165.25	83.3	0.353	
20	13C-1,2,3,4,7,8-HxCDD	3.13e5	1.31	NO	0.779	10.086	34.841	34.84	1.014	1.014	148.56	74.9	0.502	
21	13C-1,2,3,6,7,8-HxCDD	3.87e5	1.29	NO	1.02	10.086	34.955	34.94	1.017	1.017	140.85	71.0	0.385	
22	13C-1,2,3,7,8,9-HxCDD	3.44e5	1.26	NO	0.903	10.086	35.226	35.22	1.025	1.025	140.90	71.1	0.433	
23	13C-1,2,3,4,6,7,8-HpCDD	2.58e5	1.04	NO	0.689	10.086	38.751	38.77	1.128	1.128	138.68	69.9	0.496	
24	13C-OCDD	4.47e5	0.90	NO	0.652	10.086	41.775	41.75	1.216	1.215	253.82	64.0	0.454	
25	13C-2,3,7,8-TCDF	7.26e5	0.77	NO	1.06	10.086	25.564	25.61	0.989	0.991	144.63	72.9	0.273	
26	13C-1,2,3,7,8-PeCDF	6.76e5	1.59	NO	0.838	10.086	30.093	30.18	1.165	1.168	170.25	85.9	0.621	
27	13C-2,3,4,7,8-PeCDF	6.61e5	1.66	NO	0.817	10.086	31.047	31.16	1.202	1.206	170.98	86.2	0.638	
28	13C-1,2,3,4,7,8-HxCDF	4.11e5	0.51	NO	1.01	10.086	33.972	33.96	0.989	0.989	150.87	76.1	0.652	
29	13C-1,2,3,6,7,8-HxCDF	4.72e5	0.49	NO	1.17	10.086	34.096	34.08	0.992	0.992	149.76	75.5	0.562	
30	13C-2,3,4,6,7,8-HxCDF	3.85e5	0.49	NO	1.02	10.086	34.670	34.67	1.009	1.009	139.58	70.4	0.642	
31	13C-1,2,3,7,8,9-HxCDF	3.46e5	0.49	NO	0.860	10.086	35.570	35.58	1.035	1.036	148.94	75.1	0.764	

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-15.qld

Last Altered: Tuesday, June 09, 2020 11:57:32 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 11:58:21 Pacific Daylight Time

Name: 200605R1_15, Date: 05-Jun-2020, Time: 20:41:16, ID: B0E0079-DUP1 Duplicate 14.82, Description: Duplicate

#	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	2.90e5	0.41	NO	0.774	10.086	37.319	37.35	1.086	1.087	138.68	69.9	0.596	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.89e5	0.43	NO	0.521	10.086	39.349	39.31	1.145	1.144	134.26	67.7	0.886	
34	34 13C-OCDF	4.68e5	0.82	NO	0.746	10.086	41.946	41.94	1.221	1.221	232.26	58.6	0.480	
35	35 37Cl-2,3,7,8-TCDD	2.27e5			1.04	10.086	26.553	26.53	1.028	1.027	65.688	82.8	0.0917	
36	36 13C-1,2,3,4-TCDD	6.62e5	0.80	NO	1.00	10.086	25.890	25.84	1.000	1.000	198.29	100	0.305	
37	37 13C-1,2,3,4-TCDF	9.39e5	0.79	NO	1.00	10.086	24.360	24.16	1.000	1.000	198.29	100	0.289	
38	38 13C-1,2,3,4,6,9-HxCDF	5.36e5	0.50	NO	1.00	10.086	34.420	34.36	1.000	1.000	198.29	100	0.656	
39	39 Total Tetra-Dioxins				0.888	10.086	24.620		0.000		13.428		0.168	13.4
40	40 Total Penta-Dioxins				0.908	10.086	29.960		0.000		19.970		0.155	20.0
41	41 Total Hexa-Dioxins				0.892	10.086	33.635		0.000		202.67		0.595	203
42	42 Total Hepta-Dioxins				0.864	10.086	37.640		0.000		1724.6		1.77	1720
43	43 Total Tetra-Furans				0.751	10.086	23.610		0.000		347.08		0.334	390
44	44 1st Func. Penta-Furans				0.893	10.086	27.580		0.000		23.304		0.0668	23.3
45	45 Total Penta-Furans				0.893	10.086	29.275		0.000		569.06		0.601	577
46	46 Total Hexa-Furans				0.934	10.086	33.555		0.000		811.18		0.849	811
47	47 Total Hepta-Furans				0.873	10.086	37.835		0.000		499.93		0.981	500

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-15.qld

Last Altered: Tuesday, June 09, 2020 11:57:32 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 11:58:21 Pacific Daylight Time

Method: Untitled 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R1_15, Date: 05-Jun-2020, Time: 20:41:16, ID: B0E0079-DUP1 Duplicate 14.82, 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	22.50	3.261e4	4.645e4	3.220e3	4.476e3	0.72	NO	7.696e3	2.8532	2.8532	0.168
2	Total Tetra-Dioxins	22.94	1.619e4	2.474e4	1.608e3	2.290e3	0.70	NO	3.897e3	1.4450	1.4450	0.168
3	Total Tetra-Dioxins	23.43	9.433e3	1.071e4	6.788e2	9.194e2	0.74	NO	1.598e3	0.59251	0.59251	0.168
4	Total Tetra-Dioxins	24.31	5.154e3	6.109e3	4.188e2	5.152e2	0.81	NO	9.340e2	0.34628	0.34628	0.168
5	Total Tetra-Dioxins	24.60	1.565e4	1.606e4	1.493e3	1.807e3	0.83	NO	3.300e3	1.2236	1.2236	0.168
6	Total Tetra-Dioxins	24.81	1.582e4	2.175e4	1.263e3	1.539e3	0.82	NO	2.801e3	1.0386	1.0386	0.168
7	Total Tetra-Dioxins	25.00	5.503e3	9.842e3	5.475e2	6.321e2	0.87	NO	1.180e3	0.43733	0.43733	0.168
8	Total Tetra-Dioxins	25.27	5.375e3	8.230e3	3.440e2	4.540e2	0.76	NO	7.980e2	0.29584	0.29584	0.168
9	Total Tetra-Dioxins	25.47	8.822e3	1.002e4	5.747e2	6.934e2	0.83	NO	1.268e3	0.47014	0.47014	0.168
10	Total Tetra-Dioxins	25.81	7.375e3	8.450e3	5.432e2	6.622e2	0.82	NO	1.205e3	0.44691	0.44691	0.168
11	Total Tetra-Dioxins	25.98	2.426e3	3.864e3	1.740e2	2.073e2	0.84	NO	3.813e2	0.14137	0.14137	0.168
12	Total Tetra-Dioxins	26.26	2.856e4	3.487e4	2.267e3	2.934e3	0.77	NO	5.201e3	1.9284	1.9284	0.168
13	Total Tetra-Dioxins	26.38	5.766e3	5.979e3	2.475e2	2.900e2	0.85	NO	5.375e2	0.19928	0.19928	0.168
14	2,3,7,8-TCDD	26.53	2.725e4	3.689e4	1.757e3	2.223e3	0.79	NO	3.980e3	1.4756	1.4756	0.168
15	Total Tetra-Dioxins	26.86	1.179e4	1.401e4	6.721e2	7.694e2	0.87	NO	1.441e3	0.53442	0.53442	0.168

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Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.24	4.516e4	8.172e4	3.920e3	6.703e3	0.58	NO	1.062e4	4.9534	4.9534	0.155
2	Total Penta-Dioxins	29.74	2.766e4	4.627e4	1.541e3	2.381e3	0.65	NO	3.922e3	1.8289	1.8289	0.155
3	Total Penta-Dioxins	30.23	3.997e4	5.147e4	2.215e3	3.059e3	0.72	NO	5.275e3	2.4596	2.4596	0.155
4	Total Penta-Dioxins	30.38	2.229e4	3.876e4	1.471e3	2.159e3	0.68	NO	3.630e3	1.6924	1.6924	0.155
5	Total Penta-Dioxins	30.49	2.036e4	2.666e4	1.074e3	1.612e3	0.67	NO	2.686e3	1.2525	1.2525	0.155
6	Total Penta-Dioxins	30.70	2.812e4	5.412e4	1.215e3	2.085e3	0.58	NO	3.300e3	1.5388	1.5388	0.155
7	Total Penta-Dioxins	30.75	2.827e4	4.233e4	1.447e3	2.250e3	0.64	NO	3.697e3	1.7240	1.7240	0.155
8	Total Penta-Dioxins	31.04	1.064e4	1.564e4	5.080e2	8.742e2	0.58	NO	1.382e3	0.64451	0.64451	0.155
9	1,2,3,7,8-PeCDD	31.48	3.859e4	5.420e4	1.985e3	2.975e3	0.67	NO	4.960e3	2.3129	2.3129	0.155
10	Total Penta-Dioxins	31.53	1.160e4	2.231e4	8.137e2	1.239e3	0.66	NO	2.053e3	0.95722	0.95722	0.155
11	Total Penta-Dioxins	31.85	1.179e4	1.348e4	5.412e2	7.575e2	0.71	NO	1.299e3	0.60556	0.60556	0.155

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.35	1.440e6	1.159e6	7.333e4	6.002e4	1.22	NO	1.333e5	85.220	85.220	0.595
2	Total Hexa-Dioxins	33.90	1.344e5	1.081e5	7.644e3	6.387e3	1.20	NO	1.403e4	8.9665	8.9665	0.595
3	Total Hexa-Dioxins	34.15	9.125e5	7.484e5	6.384e4	5.336e4	1.20	NO	1.172e5	74.902	74.902	0.595
4	Total Hexa-Dioxins	34.27	1.021e5	8.654e4	6.202e3	4.991e3	1.24	NO	1.119e4	7.1528	7.1528	0.595
5	1,2,3,4,7,8-HxCDD	34.85	3.507e4	3.015e4	1.998e3	1.572e3	1.27	NO	3.570e3	2.1907	2.1907	0.537
6	1,2,3,6,7,8-HxCDD	34.95	2.180e5	1.881e5	1.383e4	1.104e4	1.25	NO	2.487e4	14.284	14.284	0.546
7	Total Hexa-Dioxins	35.15	5.394e4	4.470e4	3.571e3	2.854e3	1.25	NO	6.425e3	4.1061	4.1061	0.595
8	1,2,3,7,8,9-HxCDD	35.24	8.089e4	5.682e4	5.152e3	3.838e3	1.34	NO	8.990e3	5.8491	5.8491	0.630

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.76	7.271e6	7.110e6	5.699e5	5.573e5	1.02	NO	1.127e6	1001.8	1001.8	1.77
2	1,2,3,4,6,7,8-HpCDD	38.78	5.519e6	5.439e6	4.095e5	4.036e5	1.01	NO	8.132e5	722.76	722.76	1.77

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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	20.38	1.189e4	1.544e4	8.774e2	1.173e3	0.75	NO	2.051e3	0.74620	0.74620	0.334
2	Total Tetra-Furans	20.92	3.232e4	3.875e4	2.393e3	3.172e3	0.75	NO	5.565e3	2.0252	2.0252	0.334
3	Total Tetra-Furans	21.50	1.838e5	2.449e5	1.691e4	2.192e4	0.77	NO	3.883e4	14.129	14.129	0.334
4	Total Tetra-Furans	22.02	1.916e4	4.695e4	1.998e3	5.301e3	0.38	YES	0.000e0	0.00000	1.6716	0.334
5	Total Tetra-Furans	22.07	3.178e4	3.118e4	3.591e3	2.850e3	1.26	YES	0.000e0	0.00000	1.8356	0.334
6	Total Tetra-Furans	22.38	2.761e4	3.689e4	1.173e3	1.593e3	0.74	NO	2.766e3	1.0066	1.0066	0.334
7	Total Tetra-Furans	22.49	2.941e5	4.108e5	2.910e4	3.901e4	0.75	NO	6.812e4	24.787	24.787	0.334
8	Total Tetra-Furans	22.97	8.465e4	1.238e5	8.070e3	1.154e4	0.70	NO	1.960e4	7.1342	7.1342	0.334
9	Total Tetra-Furans	23.15	1.564e4	2.153e4	1.518e3	2.016e3	0.75	NO	3.535e3	1.2863	1.2863	0.334
10	Total Tetra-Furans	23.34	6.658e4	8.782e4	5.935e3	8.017e3	0.74	NO	1.395e4	5.0771	5.0771	0.334
11	Total Tetra-Furans	23.76	1.434e4	1.675e4	1.192e3	1.434e3	0.83	NO	2.626e3	0.95547	0.95547	0.334
12	Total Tetra-Furans	23.91	1.635e4	2.150e4	1.261e3	1.432e3	0.88	NO	2.693e3	0.98010	0.98010	0.334
13	Total Tetra-Furans	24.10	7.837e4	1.143e5	5.085e3	6.829e3	0.74	NO	0.000e0	0.00000	4.3359	0.334
14	Total Tetra-Furans	24.18	2.714e5	3.500e5	2.598e4	3.392e4	0.77	NO	0.000e0	0.00000	21.798	0.334
15	Total Tetra-Furans	24.69	1.630e6	2.266e6	1.330e5	1.813e5	0.73	NO	3.143e5	114.38	114.38	0.334
16	Total Tetra-Furans	24.79	3.883e4	5.515e4	2.304e3	2.924e3	0.79	NO	5.228e3	1.9025	1.9025	0.334
17	Total Tetra-Furans	24.97	6.371e4	8.791e4	5.269e3	7.074e3	0.74	NO	1.234e4	4.4918	4.4918	0.334
18	Total Tetra-Furans	25.18	2.036e4	3.030e4	1.865e3	2.333e3	0.80	NO	4.198e3	1.5277	1.5277	0.334
19	Total Tetra-Furans	25.39	2.434e4	3.315e4	1.582e3	1.922e3	0.82	NO	3.504e3	1.2751	1.2751	0.334
20	Total Tetra-Furans	25.51	2.812e5	3.688e5	1.599e4	2.157e4	0.74	NO	0.000e0	0.00000	13.669	0.334
21	2,3,7,8-TCDF	25.63	2.312e6	3.024e6	1.696e5	2.233e5	0.76	NO	3.929e5	142.98	142.98	0.334
22	Total Tetra-Furans	25.74	5.368e4	6.949e4	3.982e3	5.275e3	0.75	NO	9.257e3	3.3688	3.3688	0.334
23	Total Tetra-Furans	26.00	9.984e4	1.340e5	7.700e3	9.985e3	0.77	NO	1.769e4	6.4357	6.4357	0.334
24	Total Tetra-Furans	26.26	1.763e4	2.478e4	1.073e3	1.566e3	0.68	NO	2.639e3	0.96034	0.96034	0.334
25	Total Tetra-Furans	27.64	2.181e5	2.663e5	1.434e4	1.763e4	0.81	NO	3.197e4	11.635	11.635	0.334

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	27.61	6.744e5	4.084e5	4.346e4	2.667e4	1.63	NO	7.014e4	23.304	23.304	0.0668

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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	29.06	8.777e4	5.710e4	5.017e3	3.143e3	1.60	NO	8.160e3	2.7112	2.7112	0.601
2	Total Penta-Furans	29.21	3.384e6	2.178e6	2.029e5	1.305e5	1.55	NO	3.334e5	110.78	110.78	0.601
3	Total Penta-Furans	29.30	1.132e5	7.728e4	4.495e3	2.596e3	1.73	NO	7.090e3	2.3558	2.3558	0.601
4	Total Penta-Furans	29.79	2.546e5	1.823e5	1.459e4	1.000e4	1.46	NO	0.000e0	0.00000	8.1719	0.601
5	Total Penta-Furans	29.85	7.409e4	4.651e4	3.633e3	2.175e3	1.67	NO	5.808e3	1.9297	1.9297	0.601
6	Total Penta-Furans	30.00	6.572e5	4.143e5	3.417e4	2.213e4	1.54	NO	5.630e4	18.707	18.707	0.601
7	1,2,3,7,8-PeCDF	30.20	7.346e6	4.734e6	4.289e5	2.761e5	1.55	NO	7.049e5	231.72	231.72	0.621
8	Total Penta-Furans	30.26	4.251e5	2.719e5	1.667e4	1.069e4	1.56	NO	2.735e4	9.0887	9.0887	0.601
9	Total Penta-Furans	30.46	2.420e6	1.555e6	1.337e5	8.448e4	1.58	NO	2.182e5	72.492	72.492	0.601
10	Total Penta-Furans	31.05	3.980e4	2.470e4	2.069e3	1.351e3	1.53	NO	3.420e3	1.1364	1.1364	0.601
11	2,3,4,7,8-PeCDF	31.18	3.194e6	2.024e6	1.685e5	1.085e5	1.55	NO	2.771e5	88.857	88.857	0.554
12	Total Penta-Furans	31.21	1.888e6	1.193e6	4.642e4	2.848e4	1.63	NO	7.490e4	24.887	24.887	0.601
13	Total Penta-Furans	32.11	1.423e5	9.687e4	8.142e3	5.069e3	1.61	NO	1.321e4	4.3897	4.3897	0.601

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.79	2.252e5	1.969e5	1.127e4	8.997e3	1.25	NO	2.026e4	10.659	10.659	0.849
2	Total Hexa-Furans	32.96	1.103e6	9.240e5	5.633e4	4.752e4	1.19	NO	1.038e5	54.626	54.626	0.849
3	Total Hexa-Furans	33.32	1.836e4	1.438e4	8.824e2	8.255e2	1.07	NO	1.708e3	0.89843	0.89843	0.849
4	Total Hexa-Furans	33.51	1.166e6	9.791e5	5.899e4	4.815e4	1.23	NO	1.071e5	56.363	56.363	0.849
5	Total Hexa-Furans	33.87	5.266e4	4.756e4	2.688e3	2.470e3	1.09	NO	5.158e3	2.7133	2.7133	0.849
6	1,2,3,4,7,8-HxCDF	33.97	8.817e6	7.301e6	4.894e5	4.106e5	1.19	NO	9.000e5	491.31	491.31	0.808
7	1,2,3,6,7,8-HxCDF	34.09	2.115e6	1.791e6	1.345e5	1.106e5	1.22	NO	2.451e5	115.74	115.74	0.719
8	Total Hexa-Furans	34.20	8.135e4	7.302e4	5.135e3	4.795e3	1.07	NO	9.930e3	5.2236	5.2236	0.849
9	Total Hexa-Furans	34.37	3.398e4	3.310e4	2.643e3	2.244e3	1.18	NO	4.887e3	2.5706	2.5706	0.849
10	2,3,4,6,7,8-HxCDF	34.68	3.875e5	3.099e5	2.300e4	1.855e4	1.24	NO	4.155e4	22.886	22.886	0.877
11	1,2,3,7,8,9-HxCDF	35.63	6.074e5	5.185e5	3.068e4	2.658e4	1.15	NO	5.726e4	37.697	37.697	1.23
12	Total Hexa-Furans	35.66	4.791e5	3.934e5	1.067e4	9.260e3	1.15	NO	1.993e4	10.486	10.486	0.849

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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	37.37	1.613e6	1.585e6	1.180e5	1.183e5	1.00	NO	2.363e5	184.83	184.83	0.855
2	Total Hepta-Furans	37.75	2.581e4	2.881e4	1.918e3	2.058e3	0.93	NO	3.976e3	3.7676	3.7676	0.981
3	Total Hepta-Furans	37.98	1.652e6	1.640e6	1.285e5	1.282e5	1.00	NO	2.567e5	243.25	243.25	0.981
4	1,2,3,4,7,8,9-HpCDF	39.32	5.172e5	5.130e5	3.282e4	3.290e4	1.00	NO	6.572e4	68.081	68.081	1.01

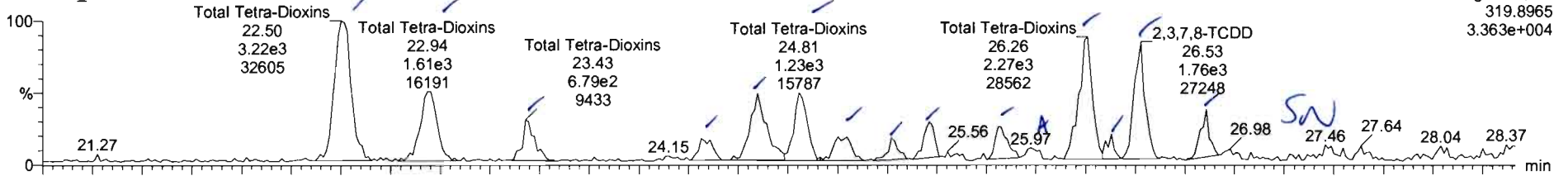
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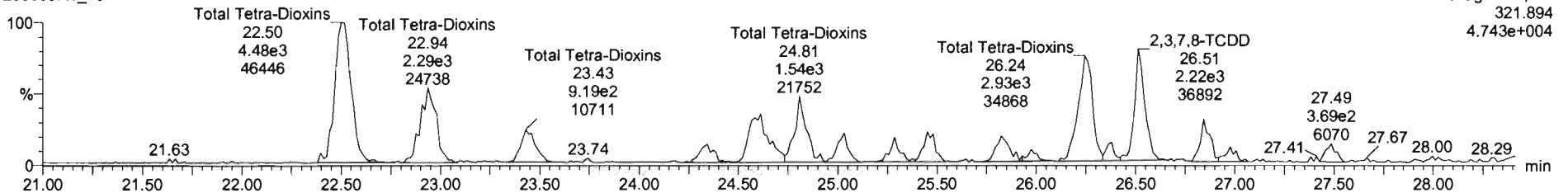
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2,3,7,8-TCDD

200605R1_15

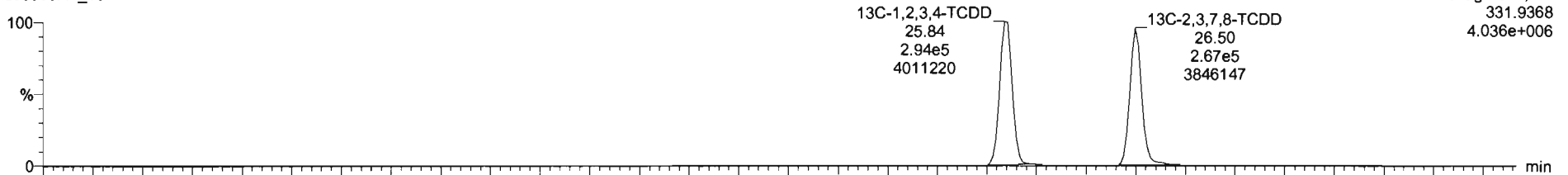


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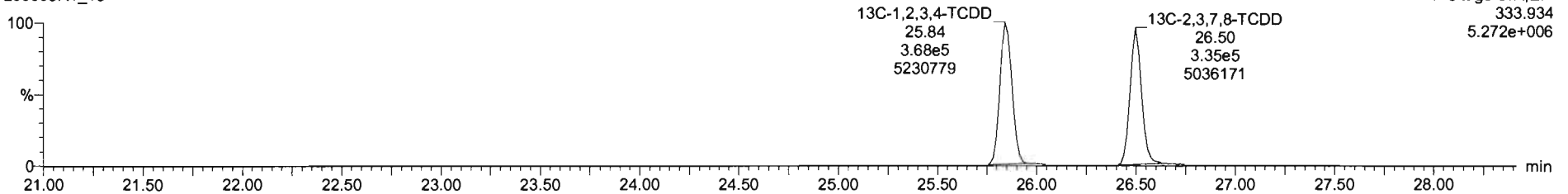


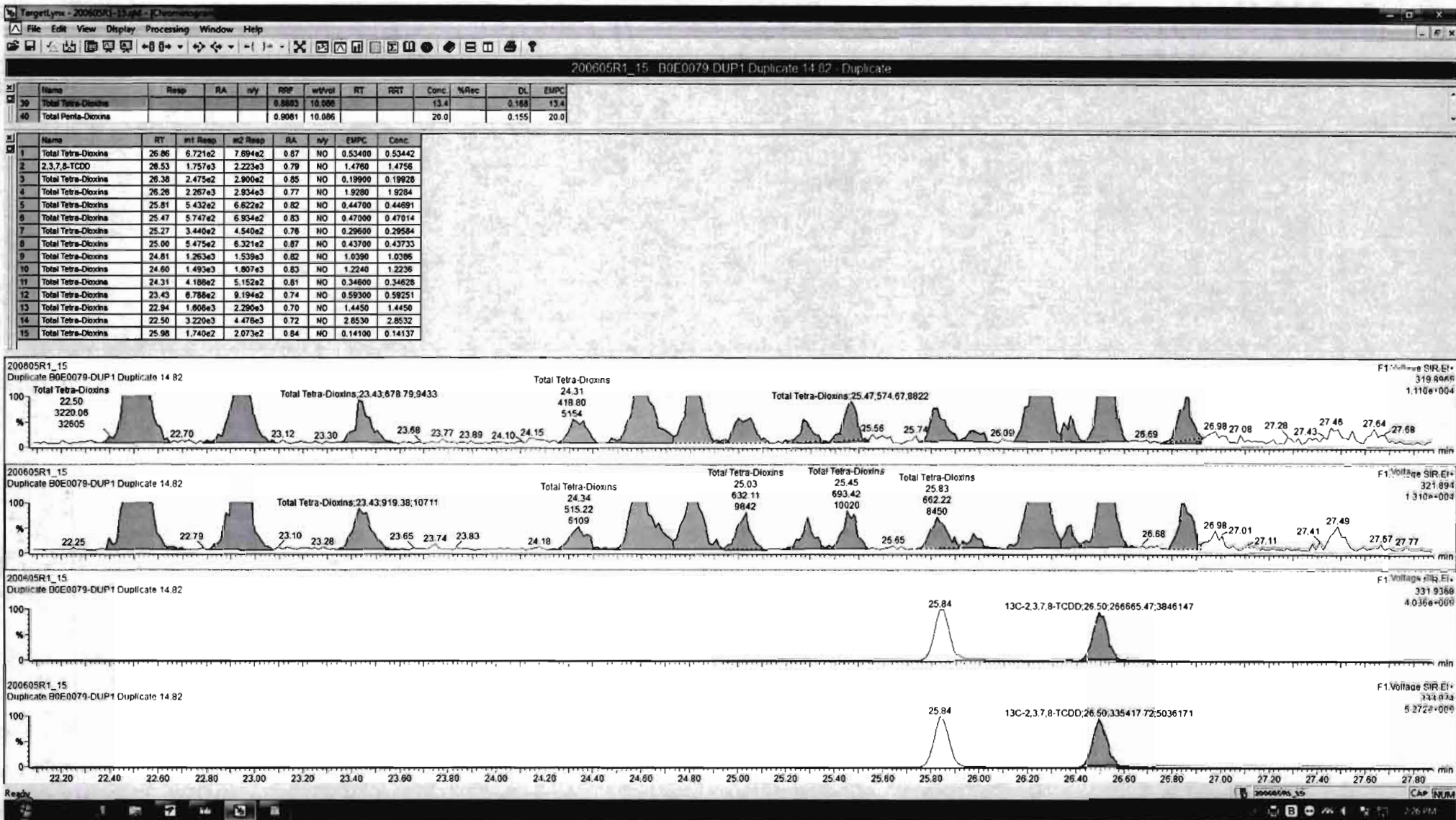
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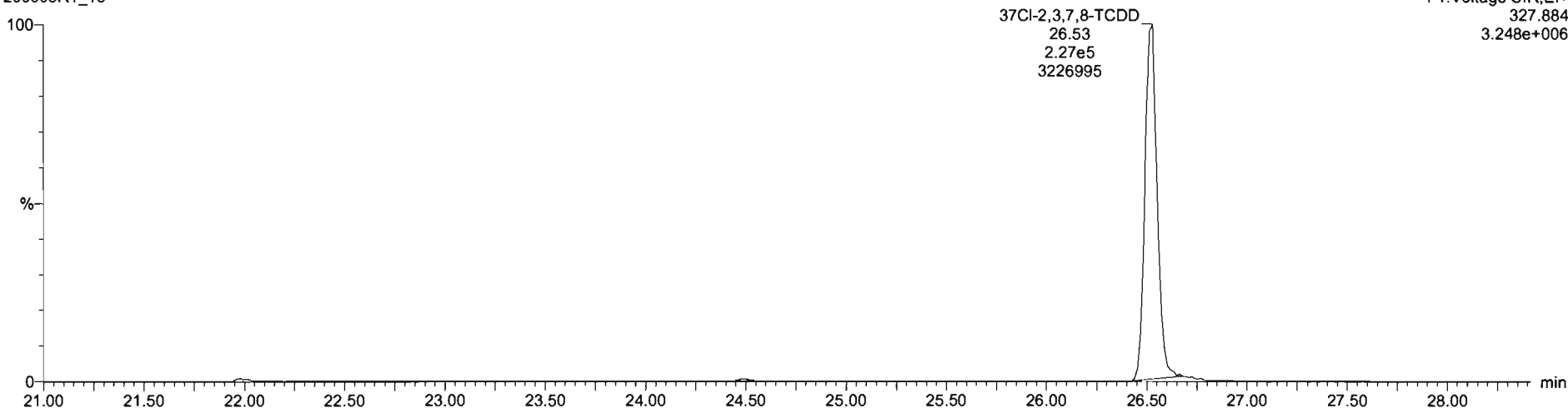
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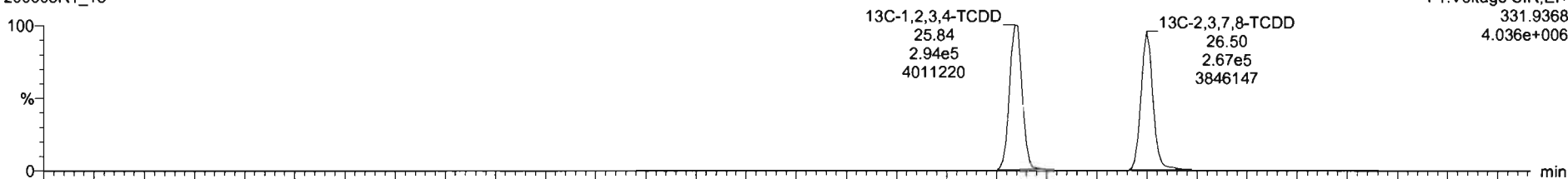
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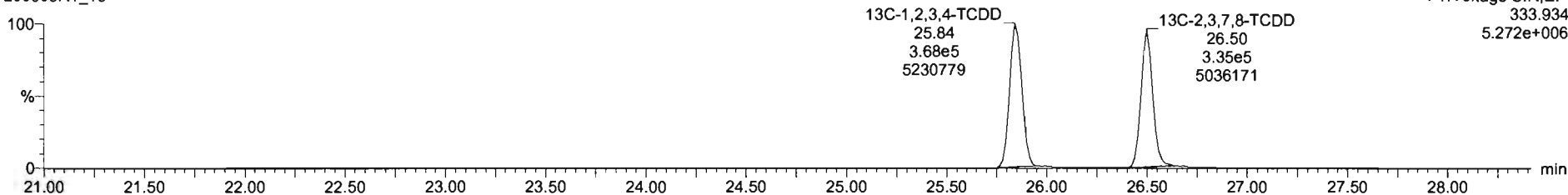


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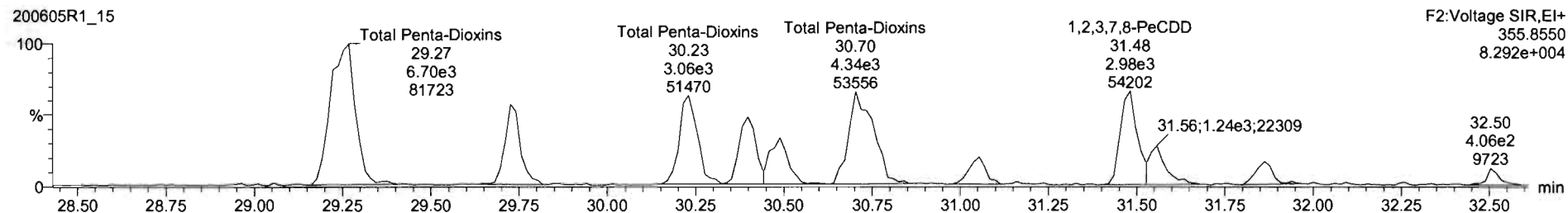
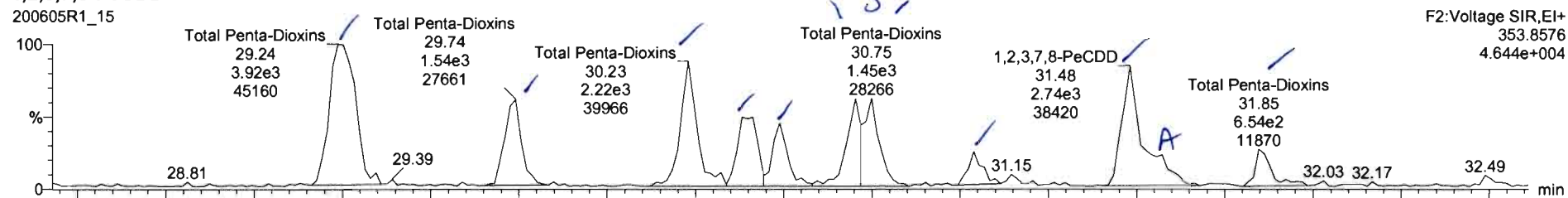


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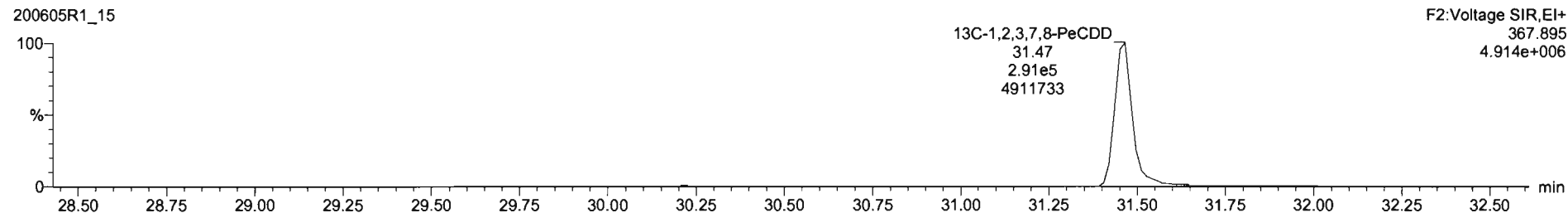
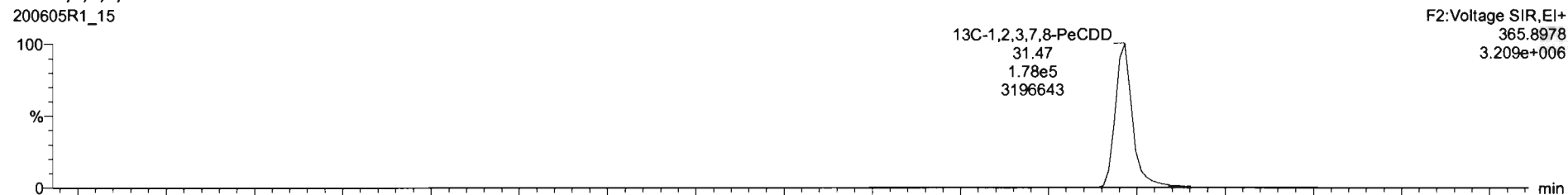
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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

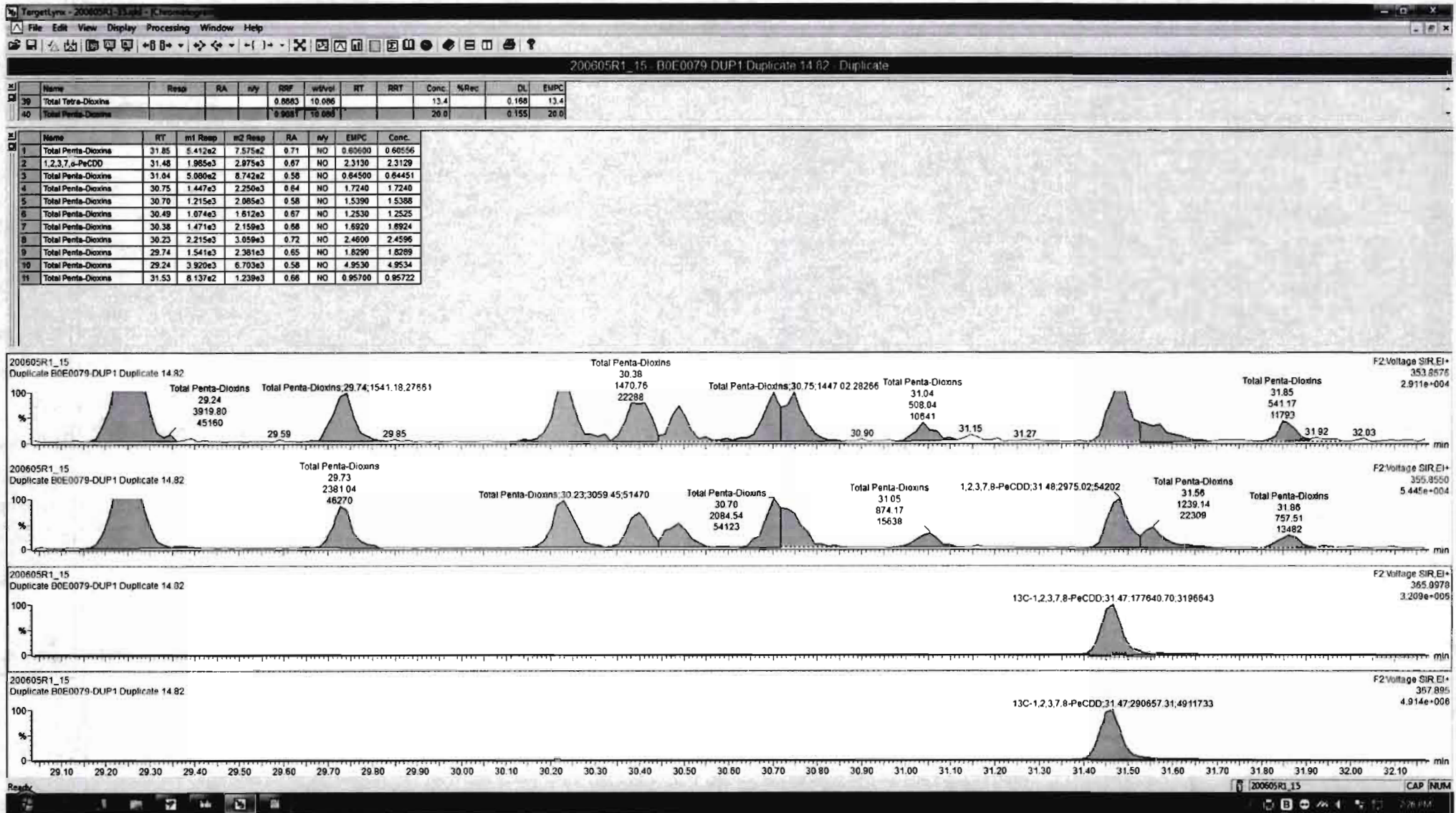
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1,2,3,7,8-PeCDD



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





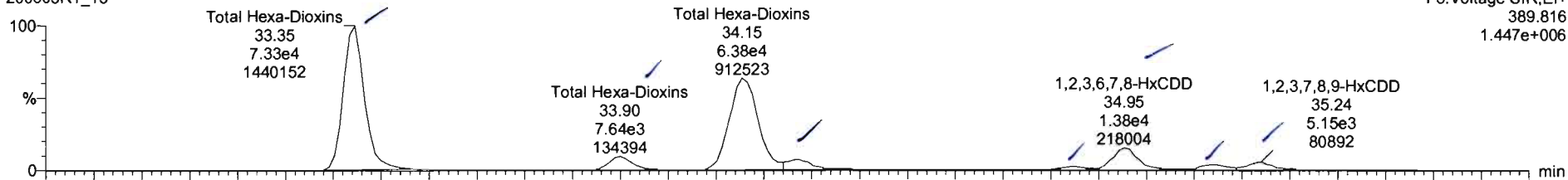
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Last Altered: Sunday, June 07, 2020 08:21:27 Pacific Daylight Time
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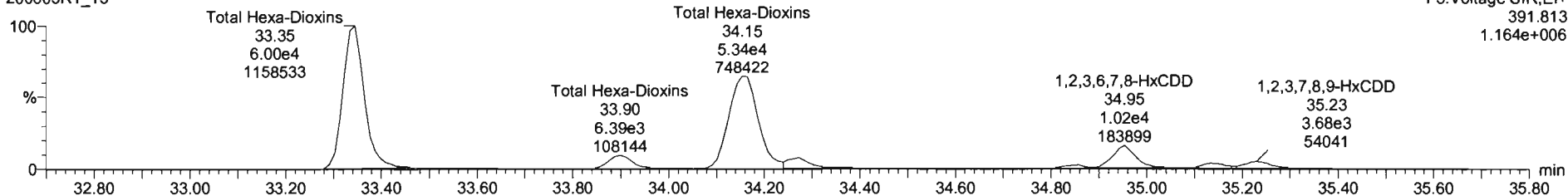
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1,2,3,4,7,8-HxCDD

200605R1_15

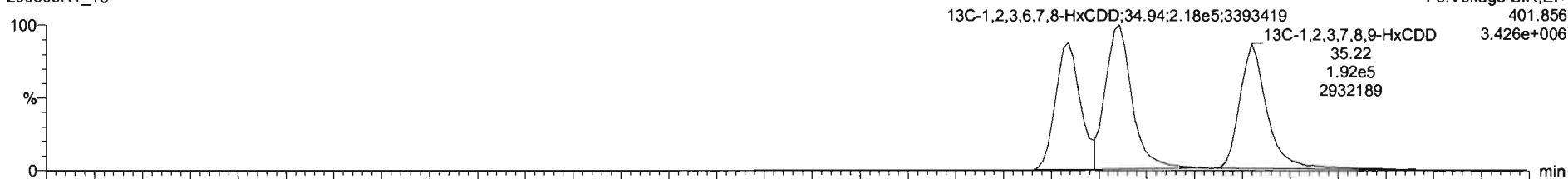


200605R1_15

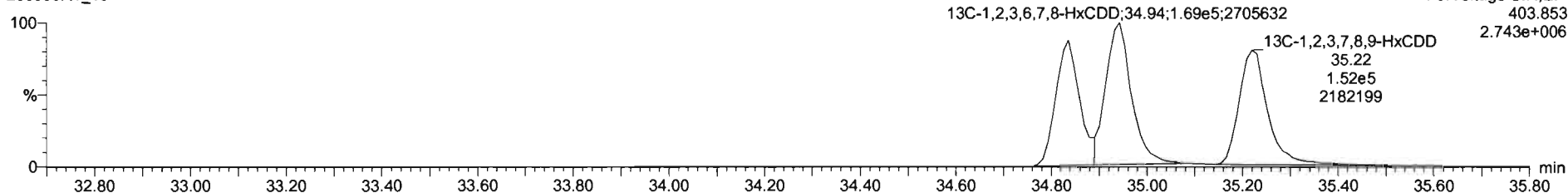


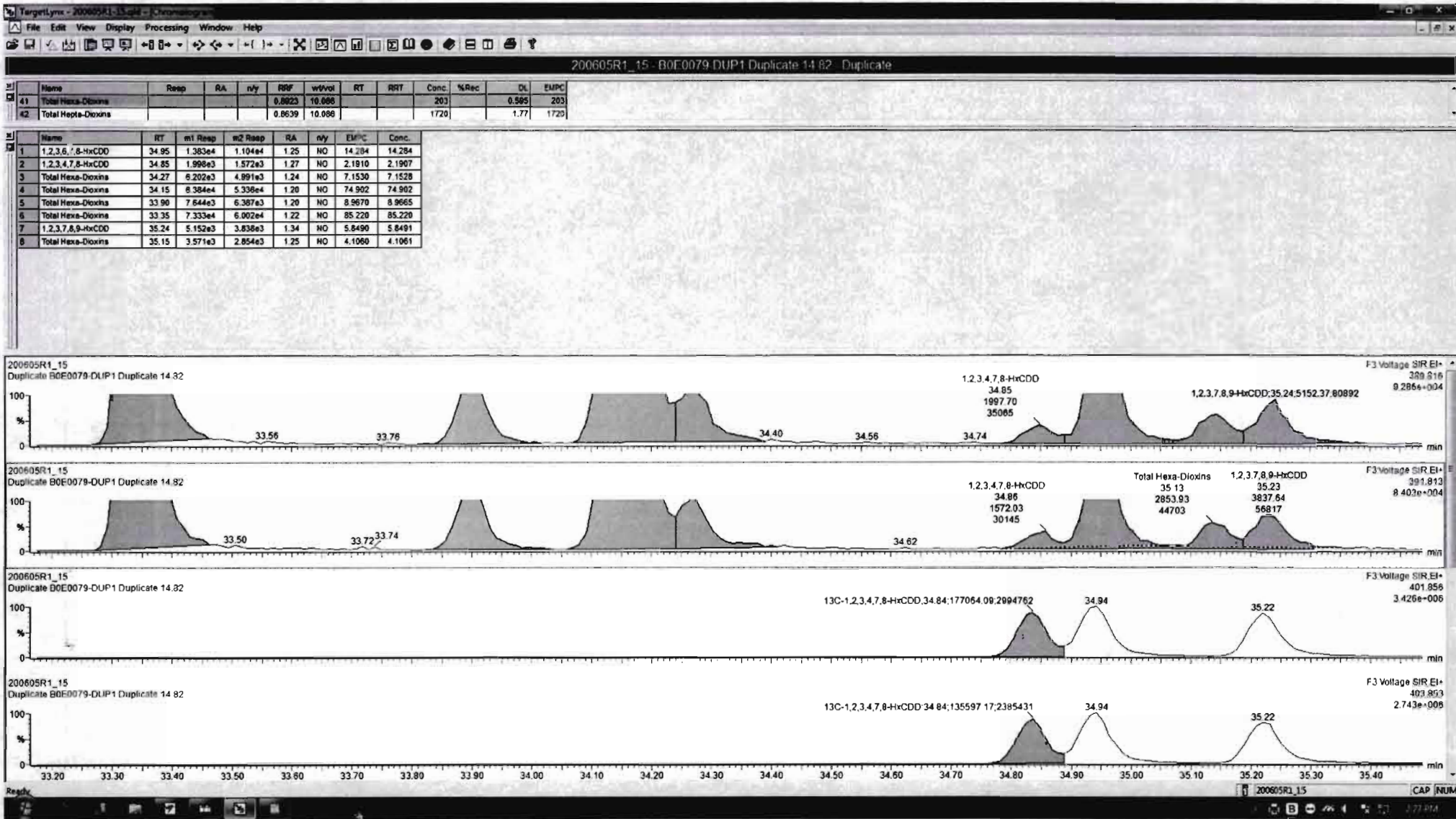
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200605R1_15



200605R1_15





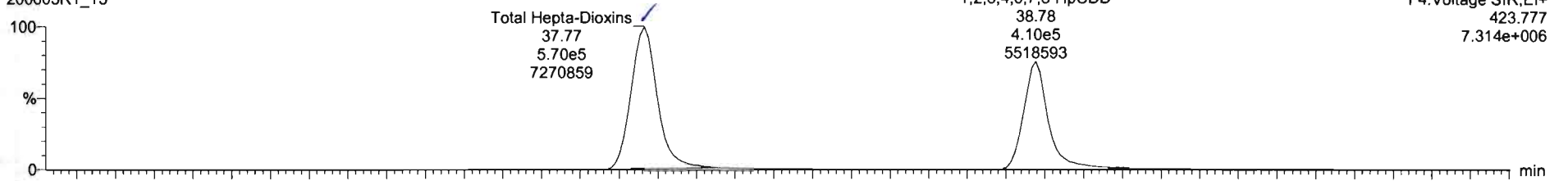
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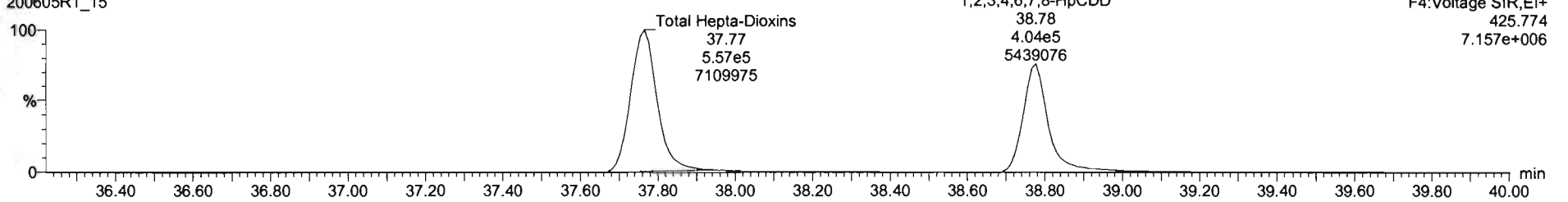
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1,2,3,4,6,7,8-HpCDD

200605R1_15

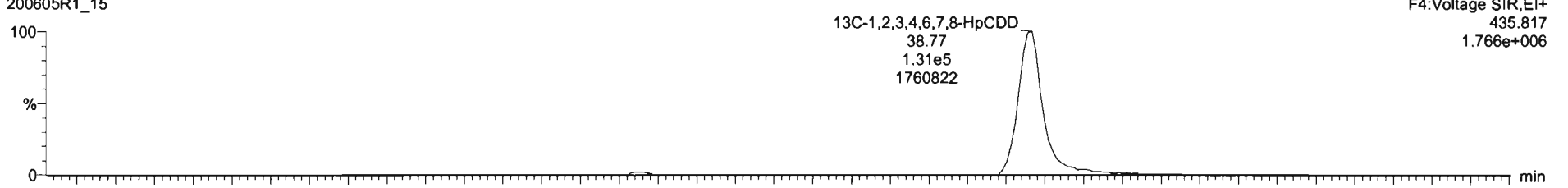


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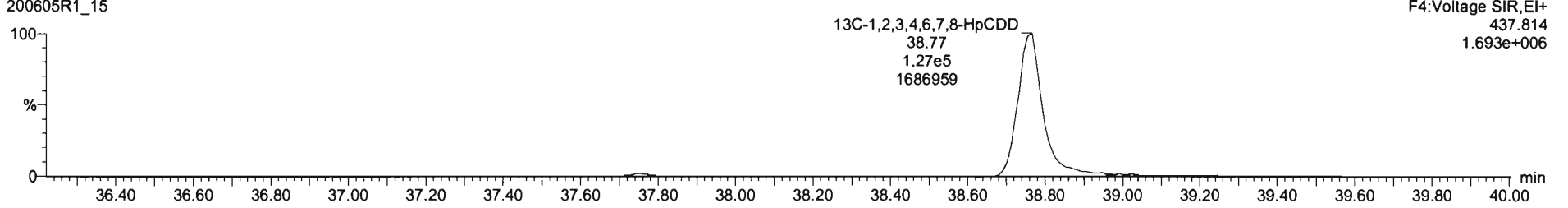


13C-1,2,3,4,6,7,8-HpCDD

200605R1_15



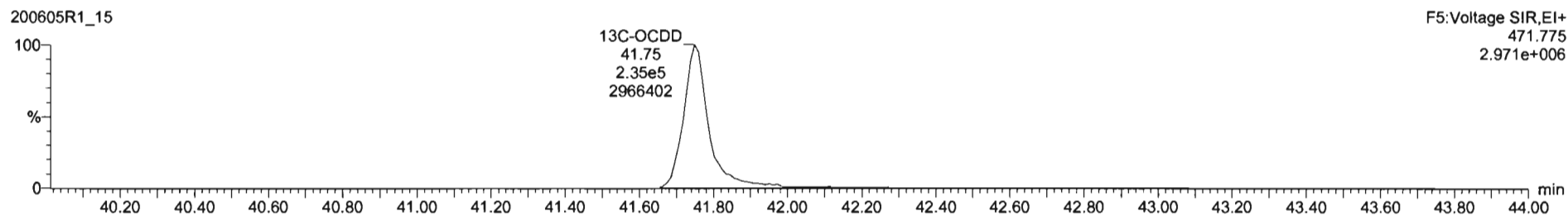
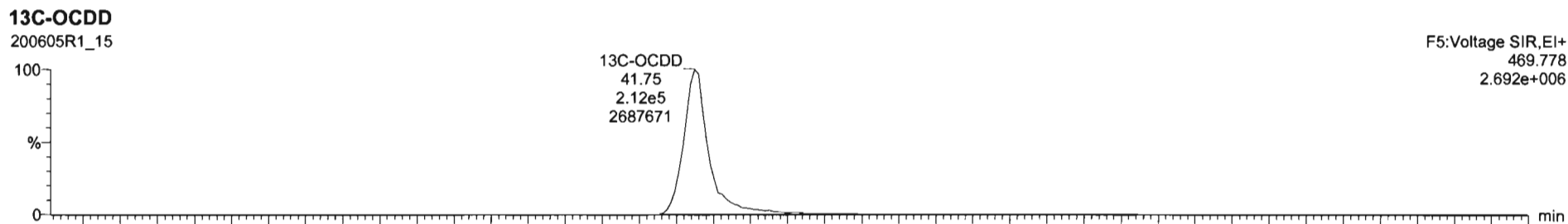
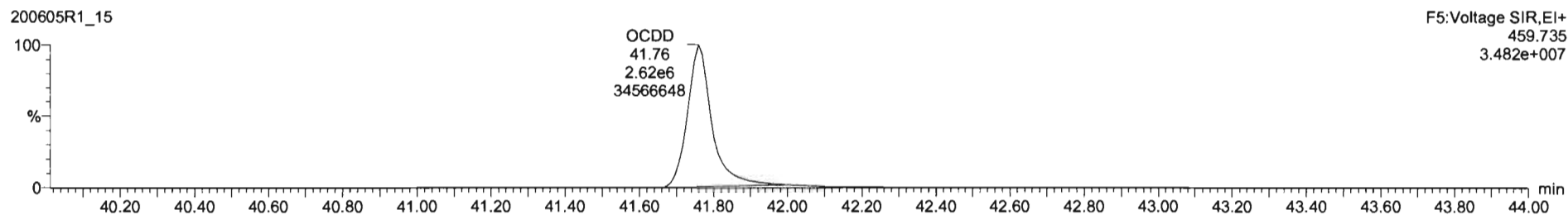
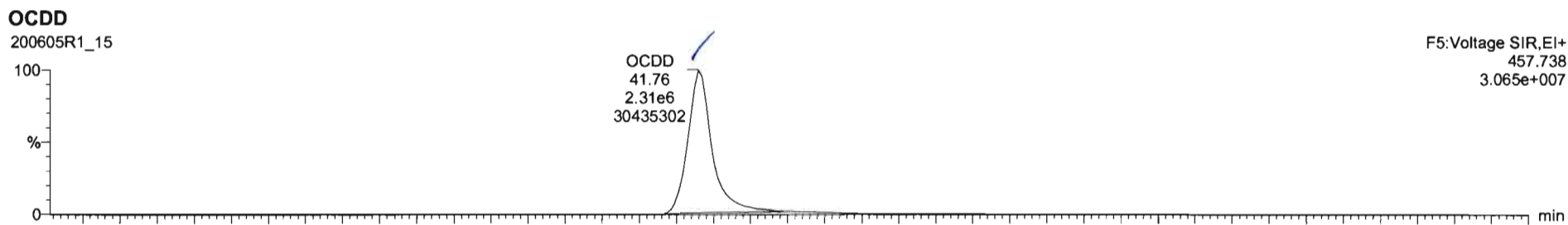
200605R1_15



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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

Name: 200605R1_15, Date: 05-Jun-2020, Time: 20:41:16, ID: B0E0079-DUP1 Duplicate 14.82, Description: Duplicate

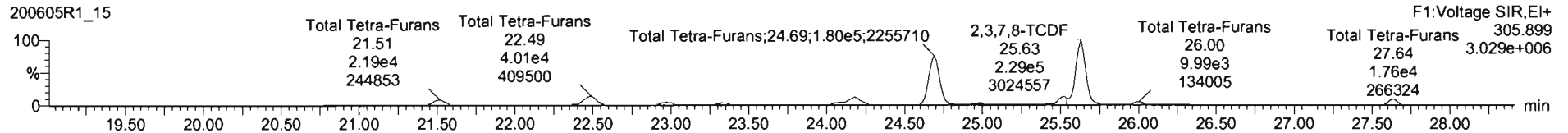
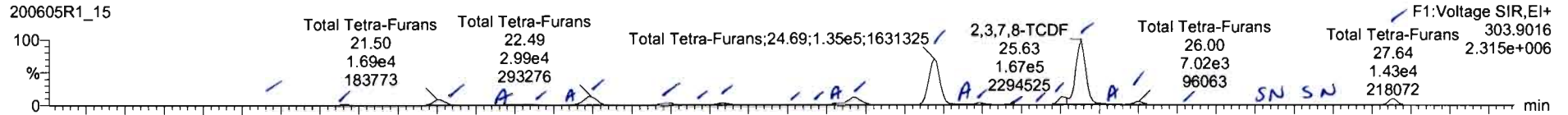


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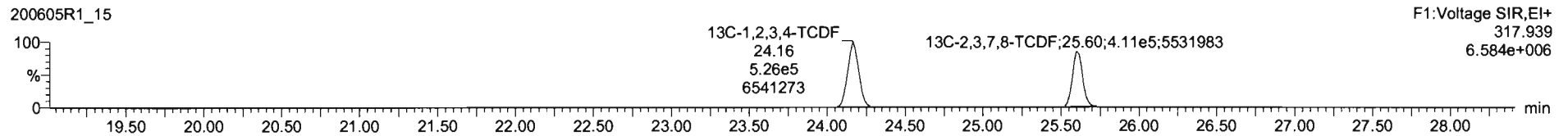
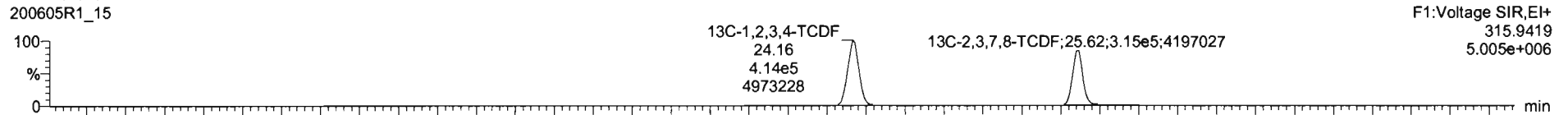
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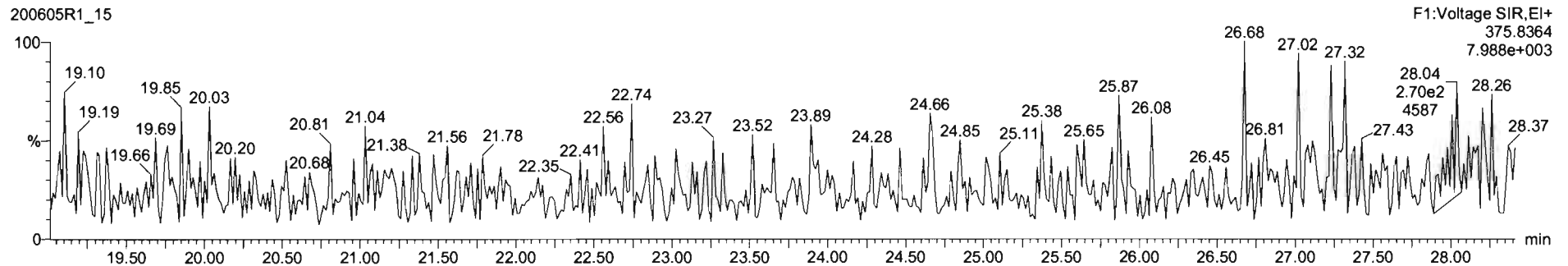
2,3,7,8-TCDF

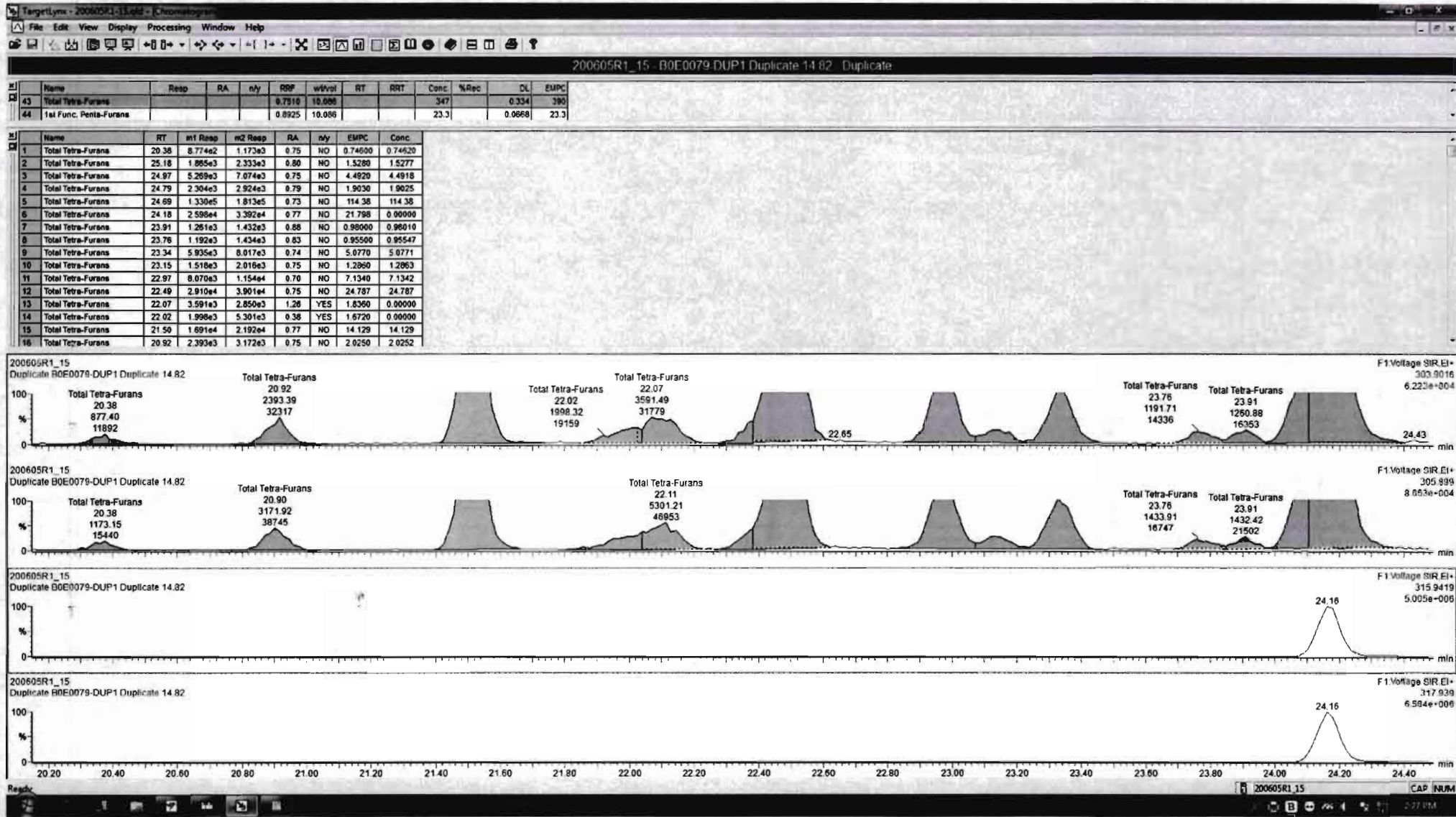


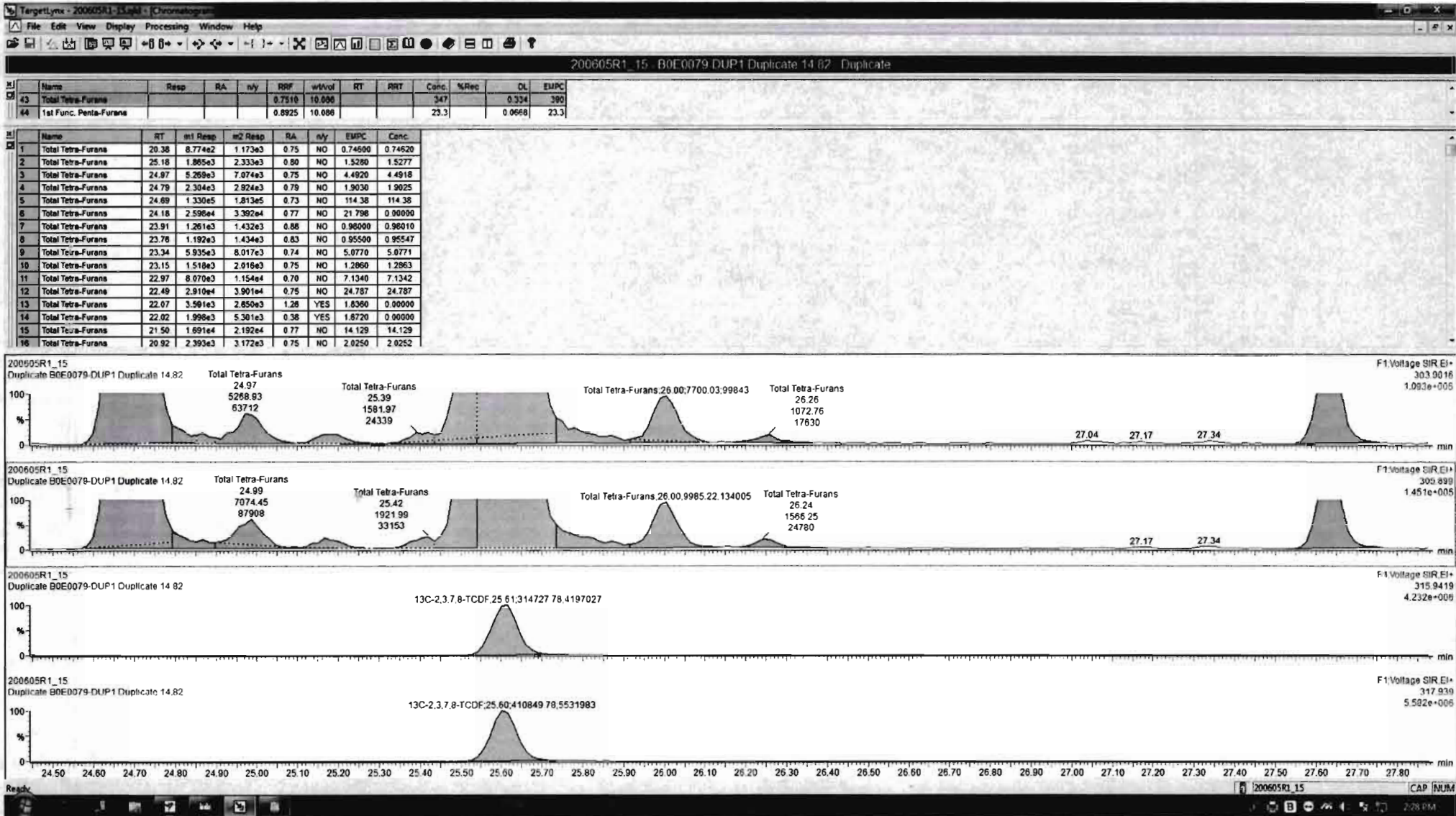
13C-2,3,7,8-TCDF



DPE1







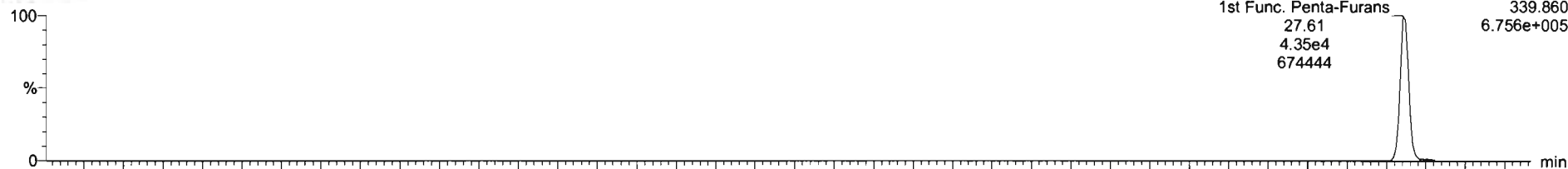
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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

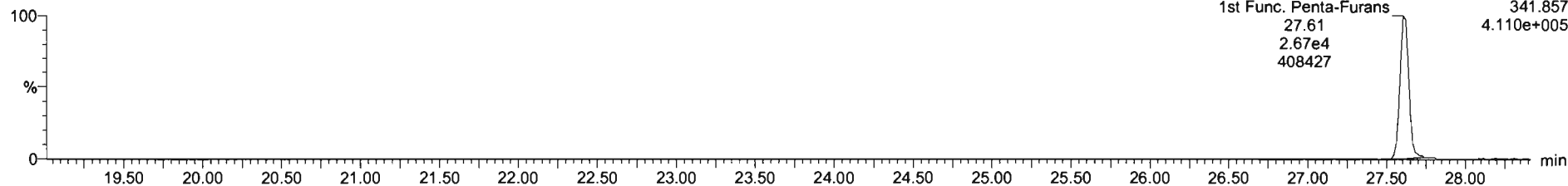
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200605R1_15

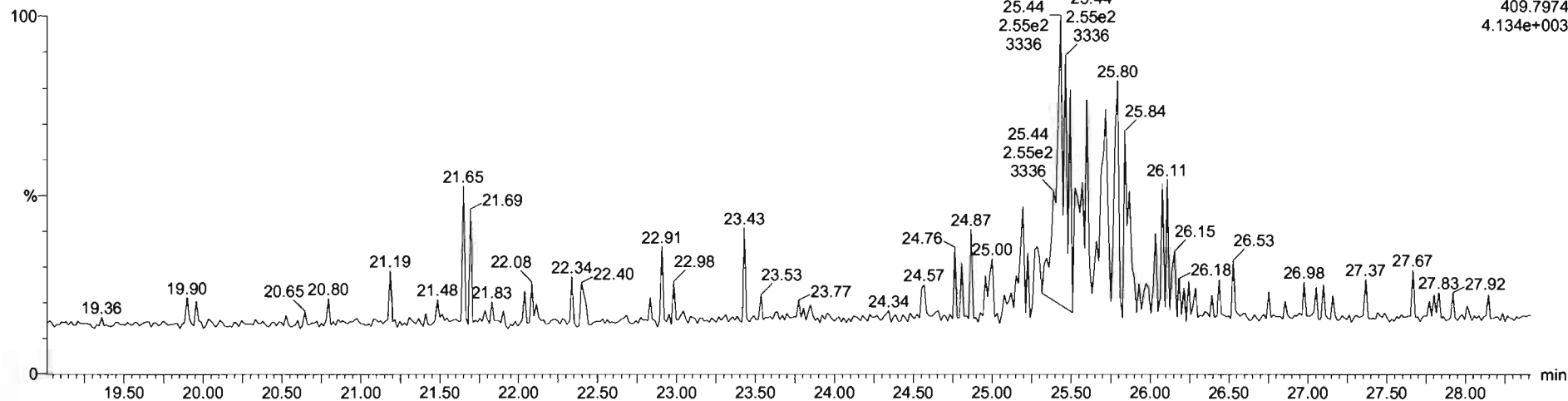


200605R1_15



DPE6

200605R1_15

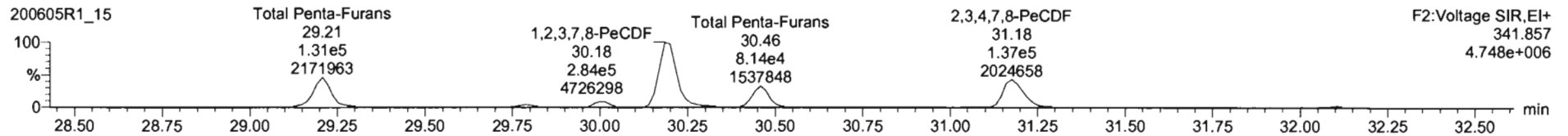
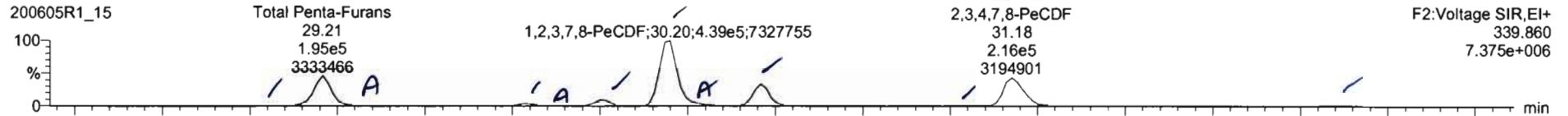


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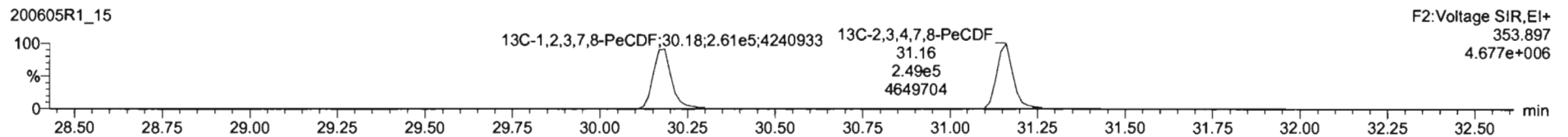
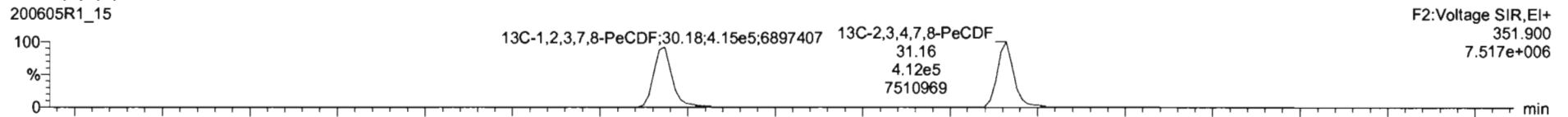
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Name: 200605R1_15, Date: 05-Jun-2020, Time: 20:41:16, ID: B0E0079-DUP1 Duplicate 14.82, Description: Duplicate

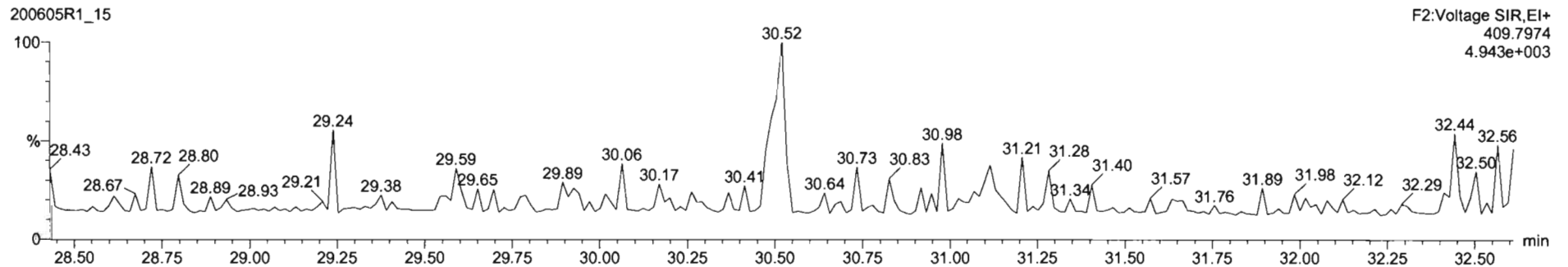
1,2,3,7,8-PeCDF

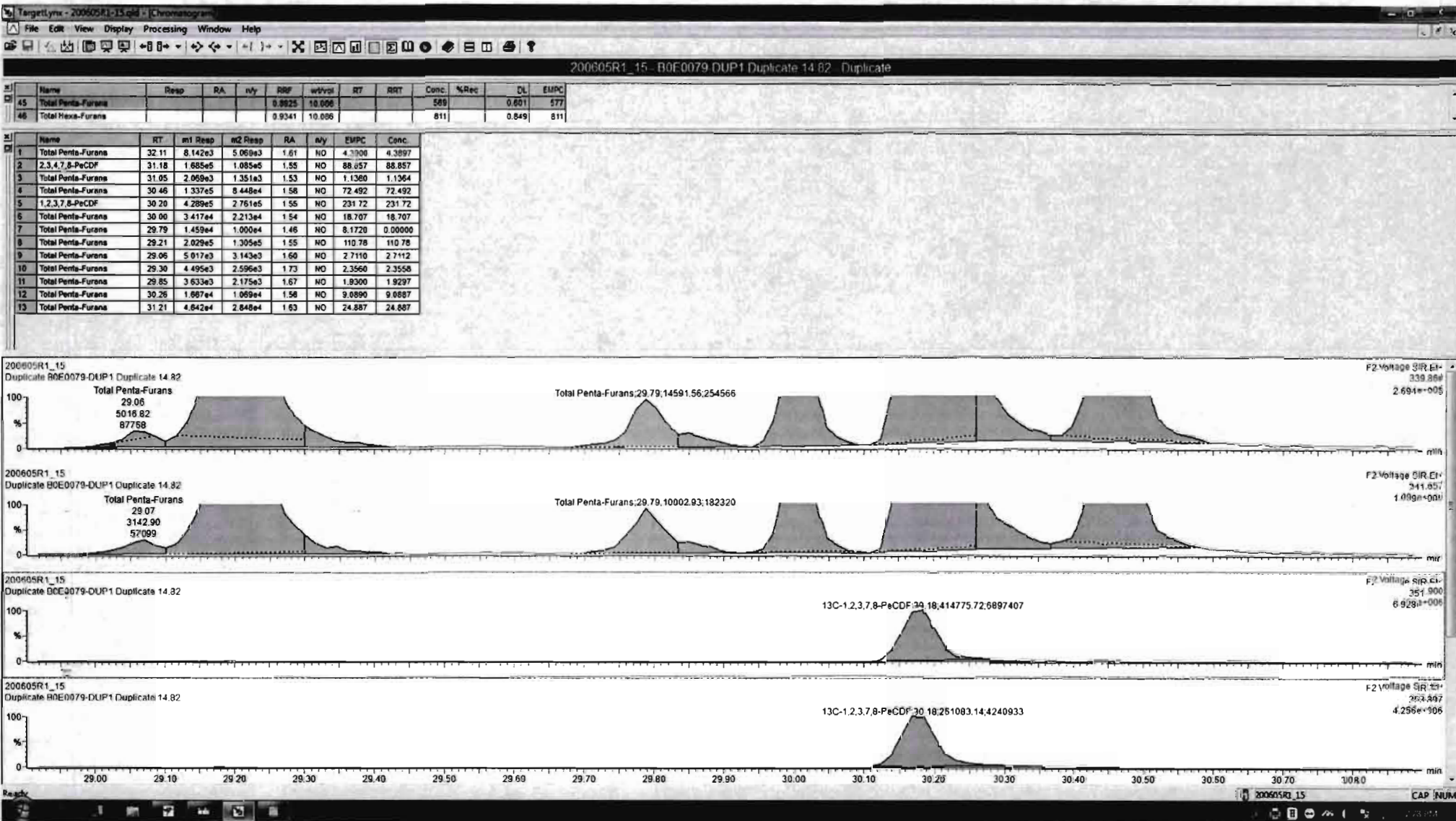


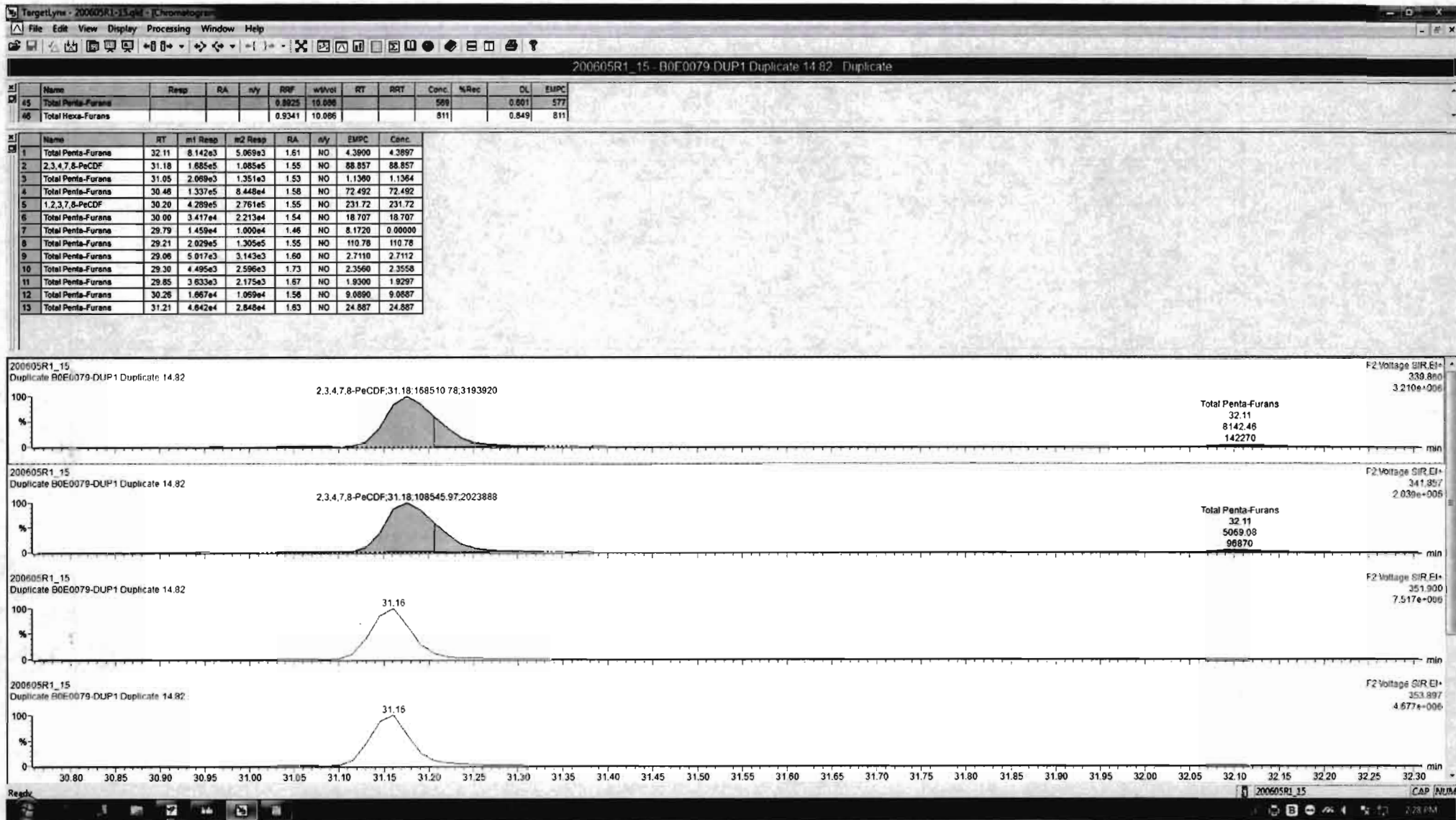
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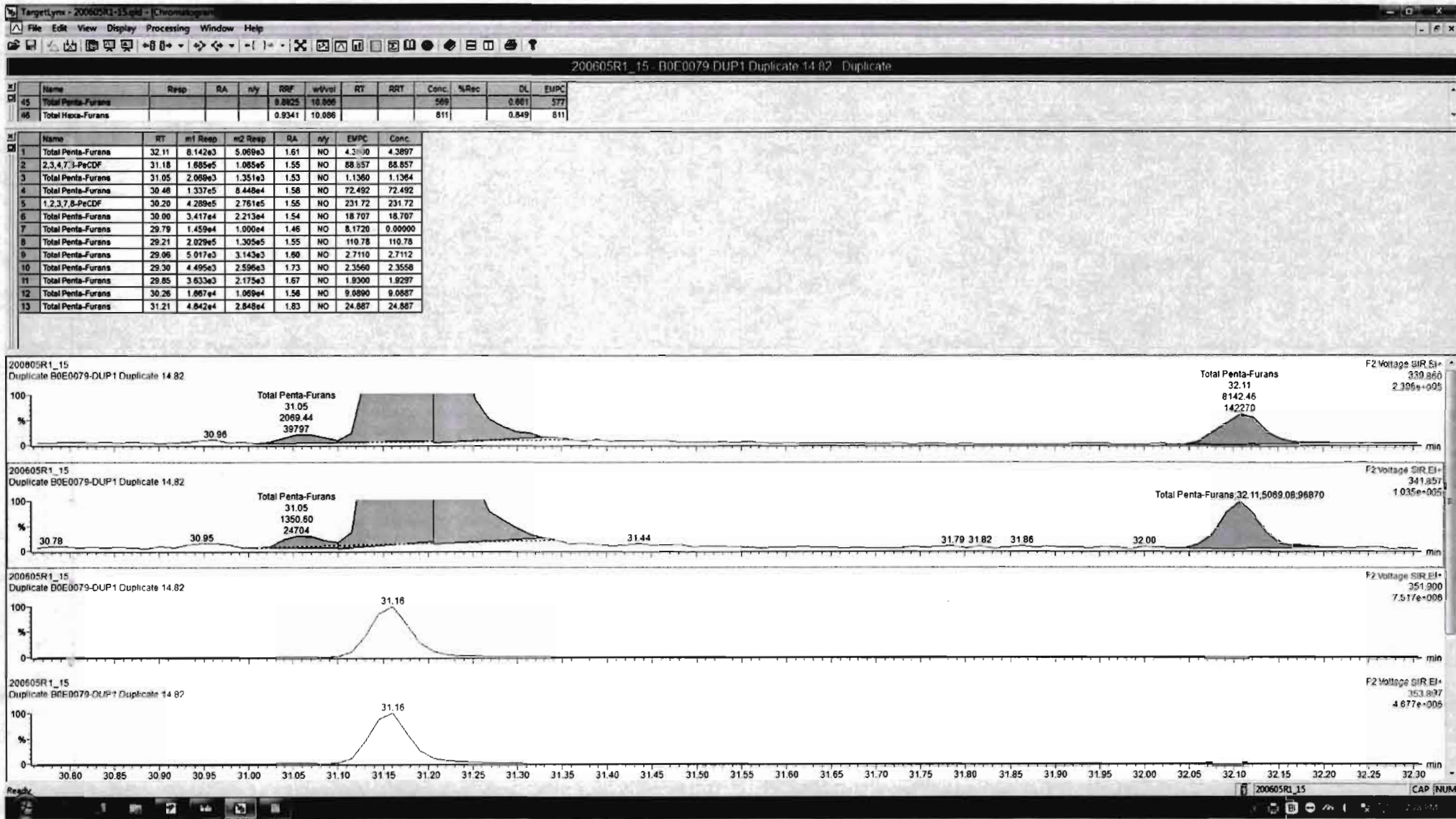


DPE2







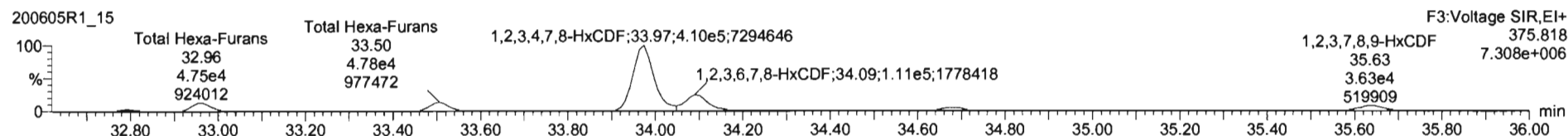
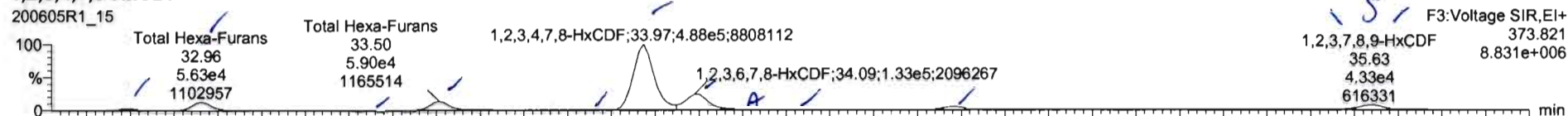


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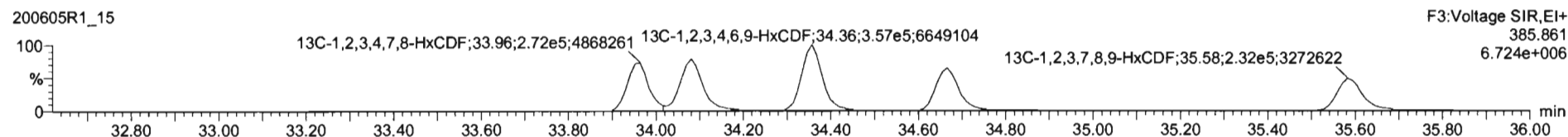
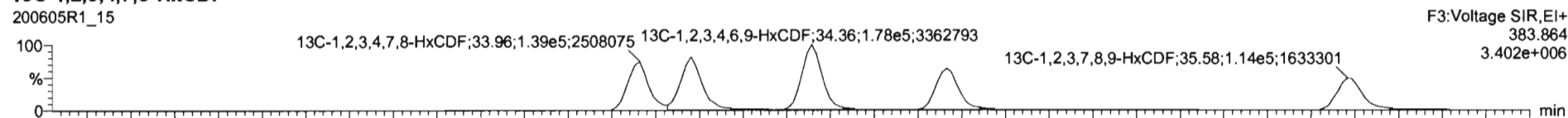
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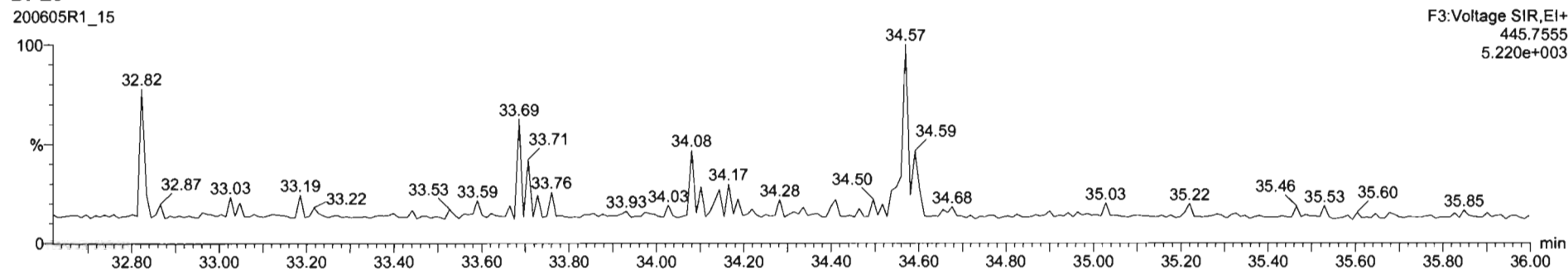
1,2,3,4,7,8-HxCDF

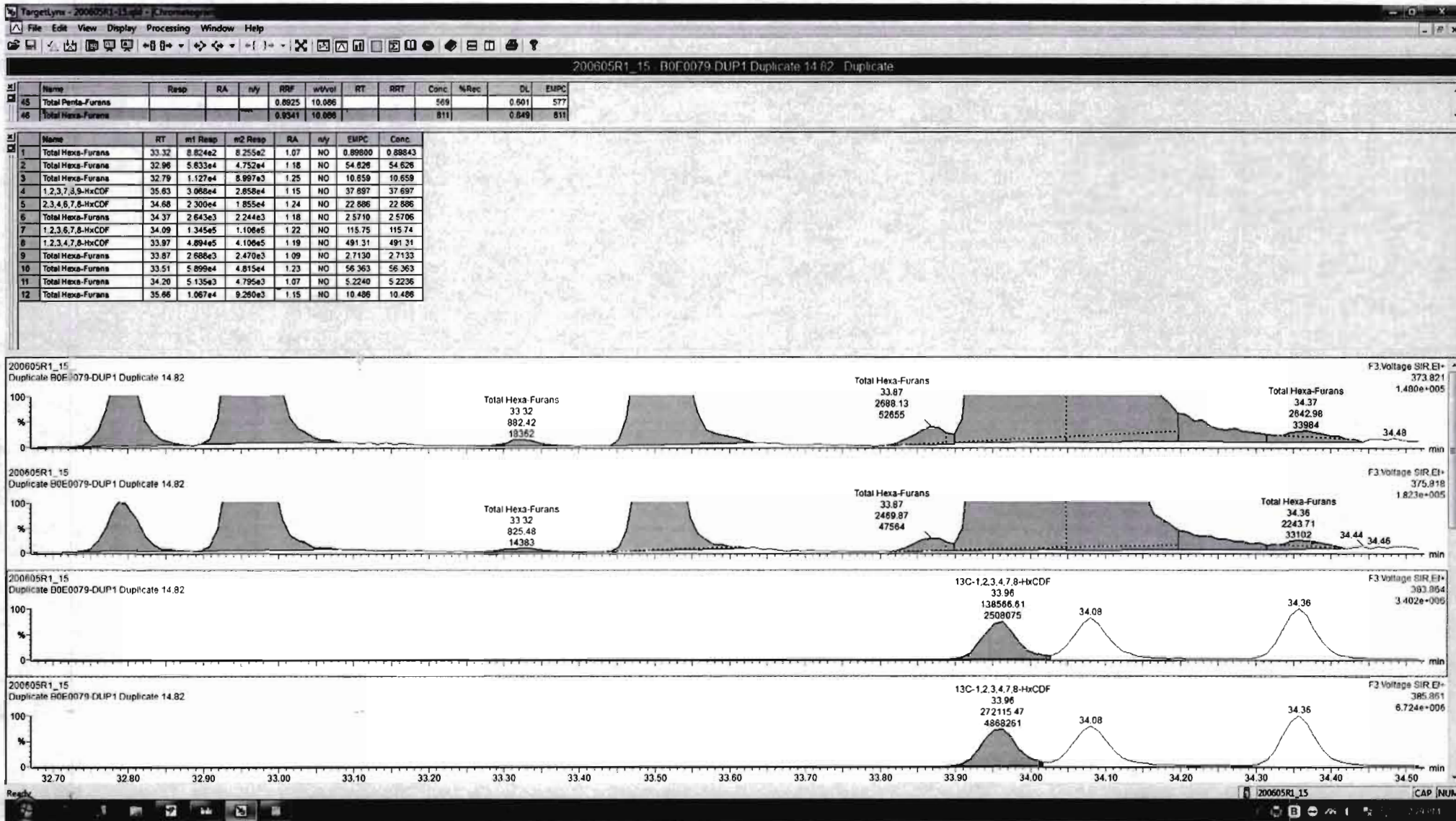


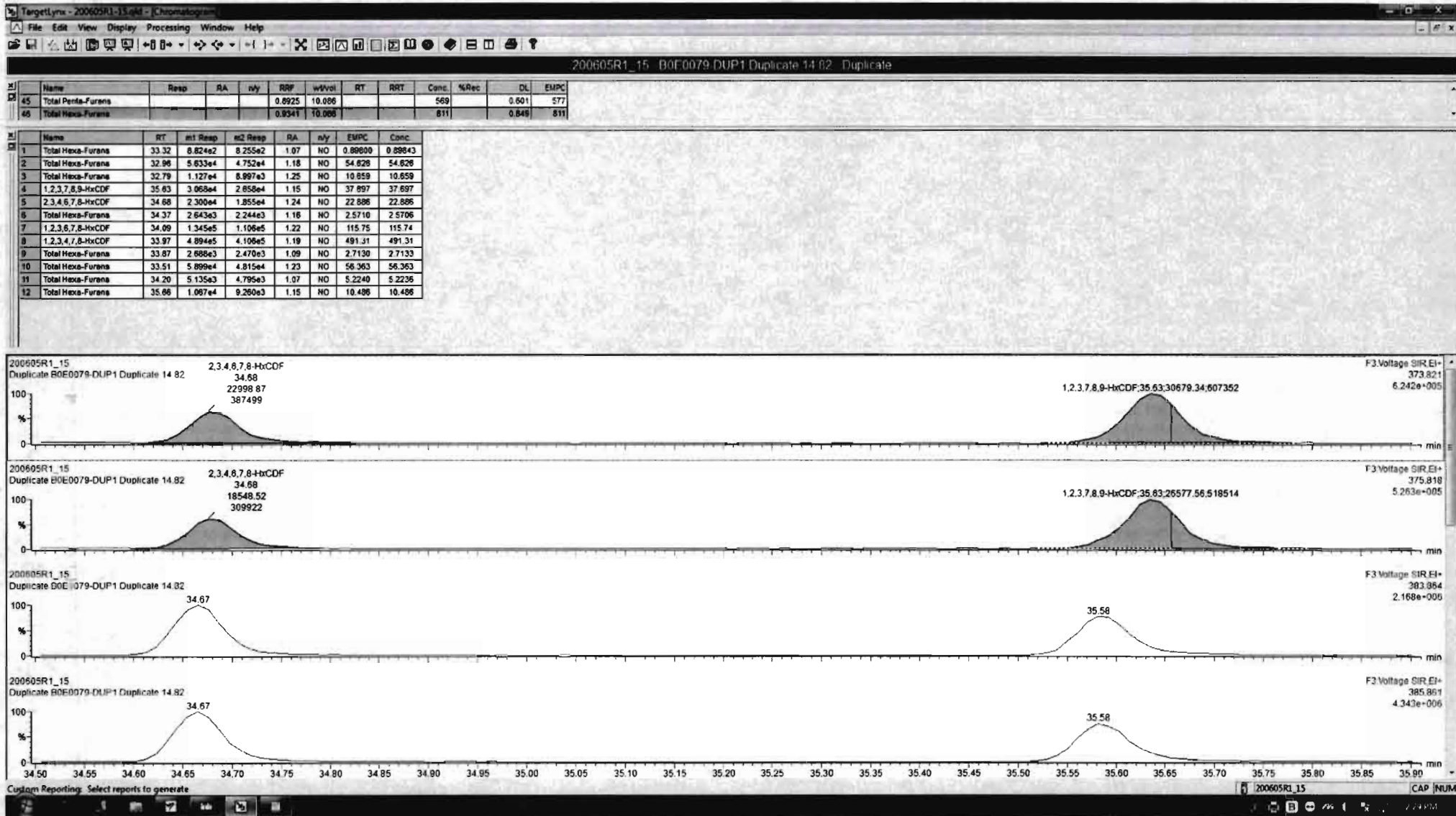
13C-1,2,3,4,7,8-HxCDF



DPE3





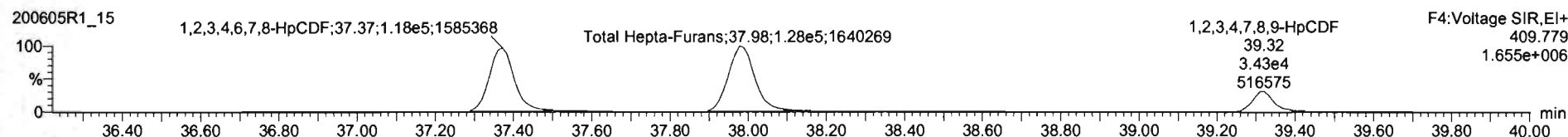
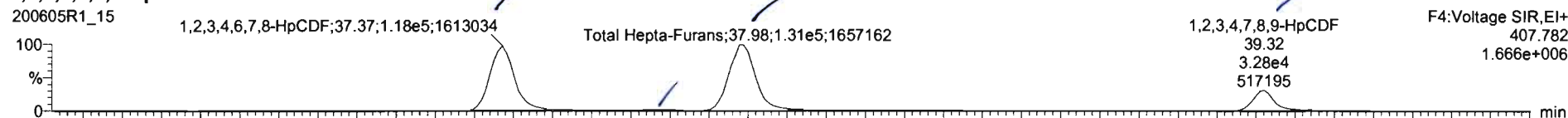


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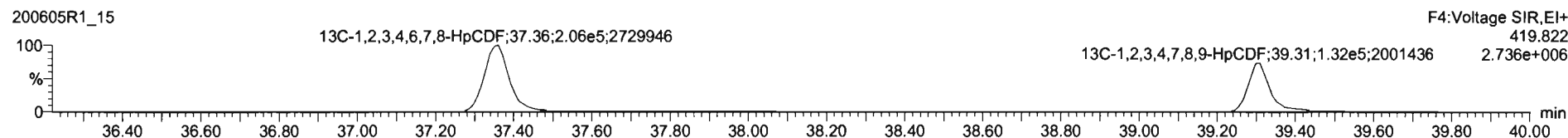
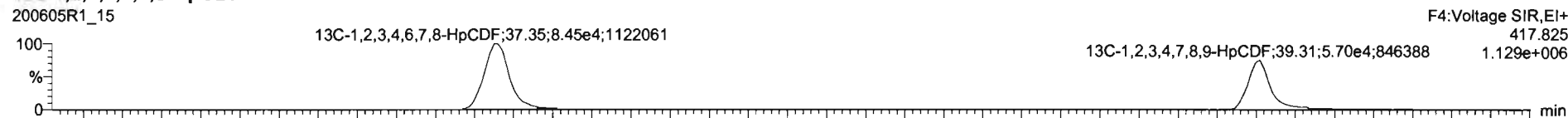
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Name: 200605R1_15, Date: 05-Jun-2020, Time: 20:41:16, ID: B0E0079-DUP1 Duplicate 14.82, Description: Duplicate

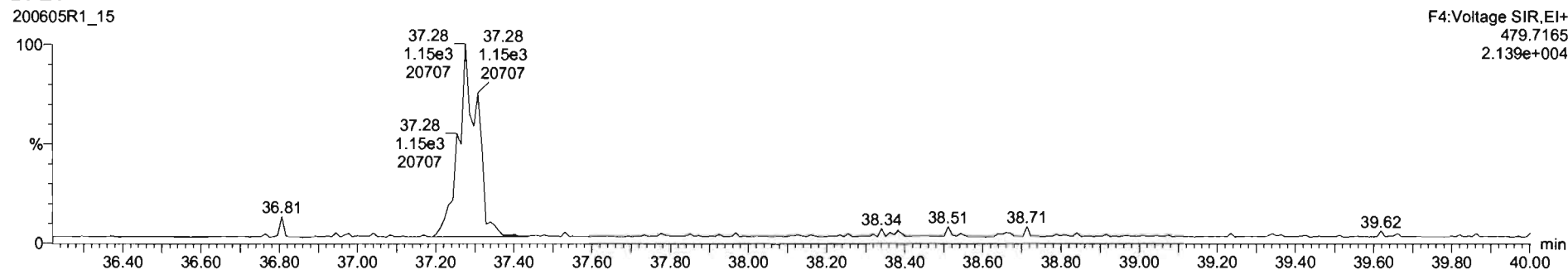
1,2,3,4,6,7,8-HpCDF

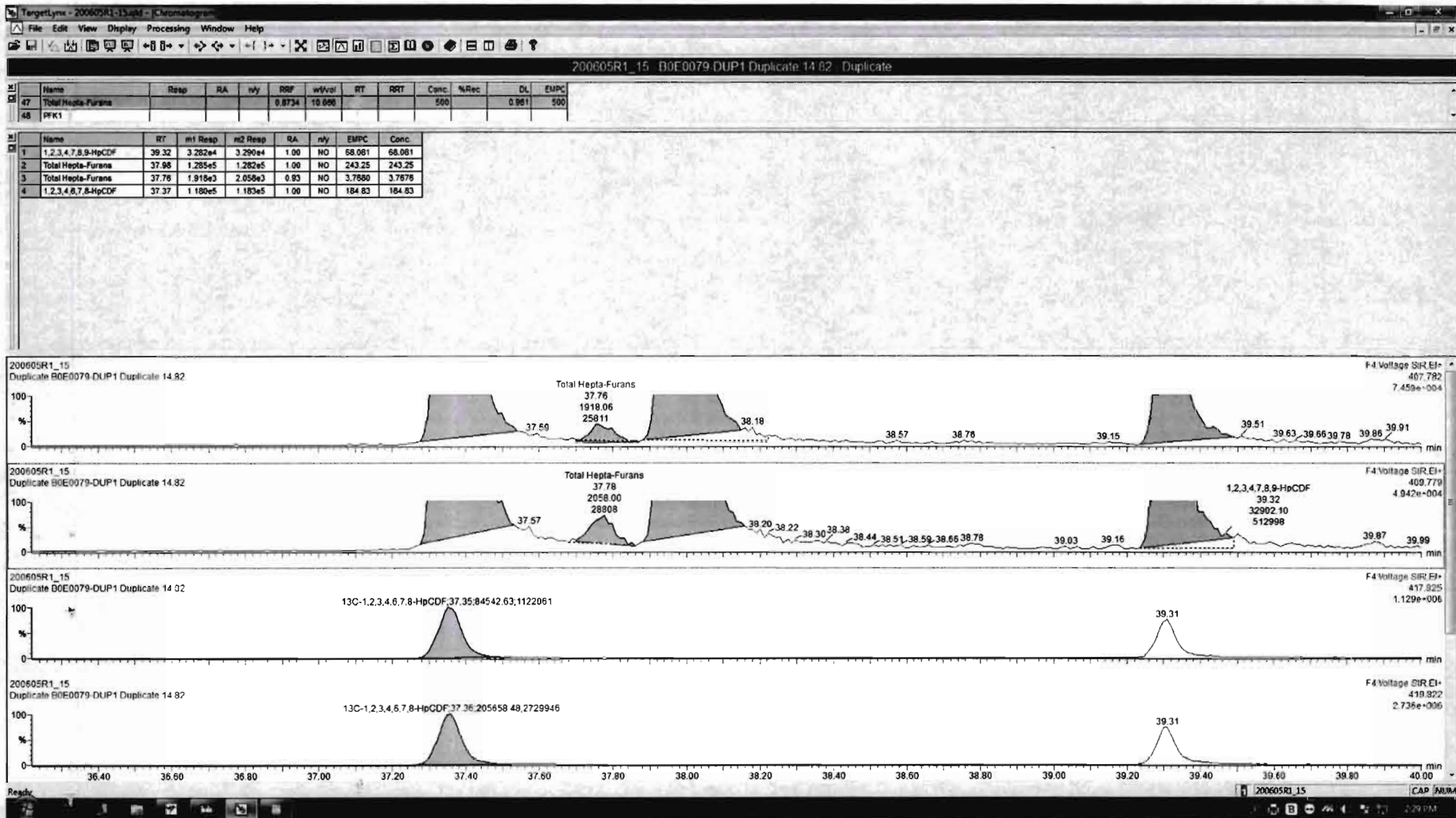


13C-1,2,3,4,6,7,8-HpCDF



DPE4

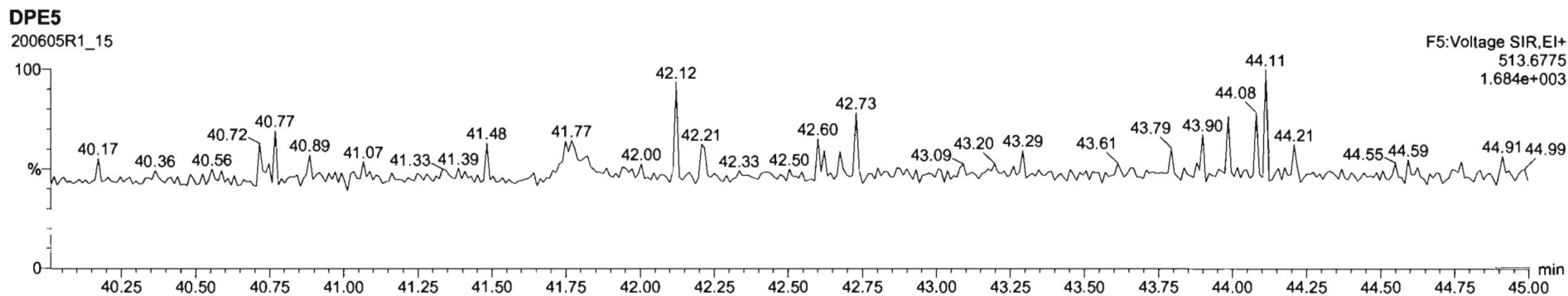
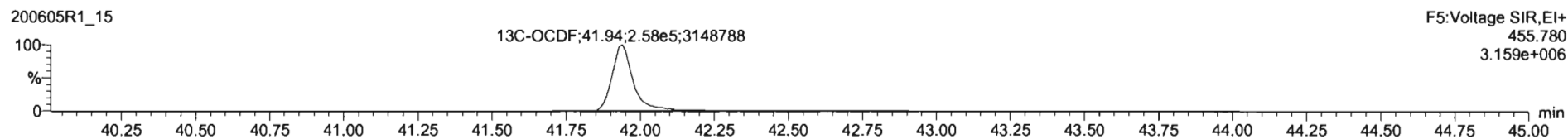
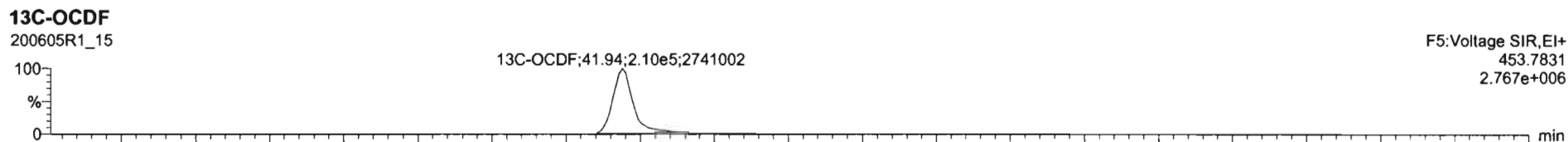
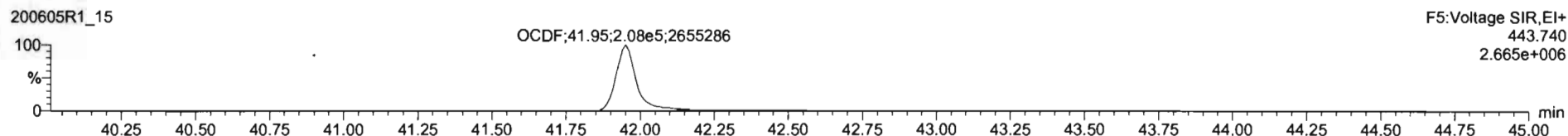
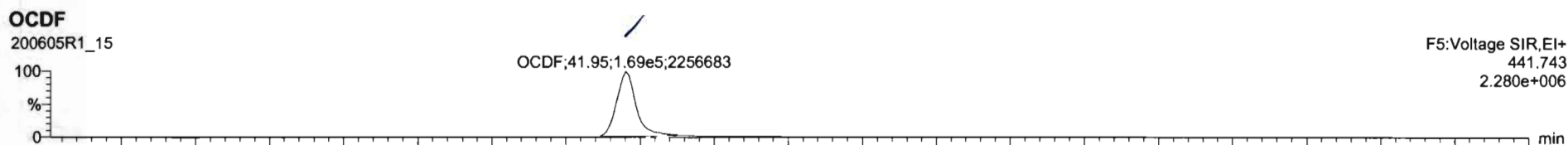




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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

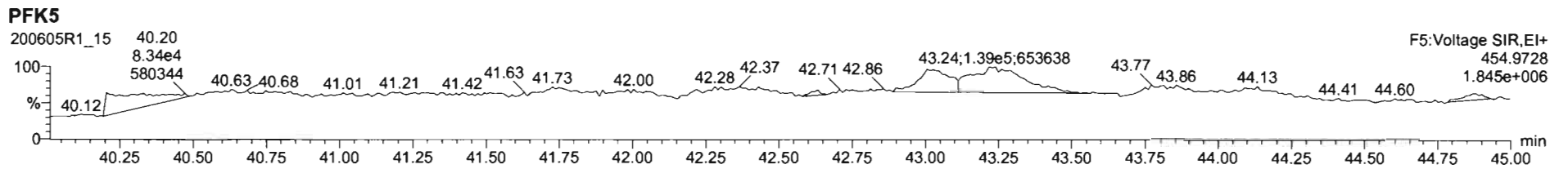
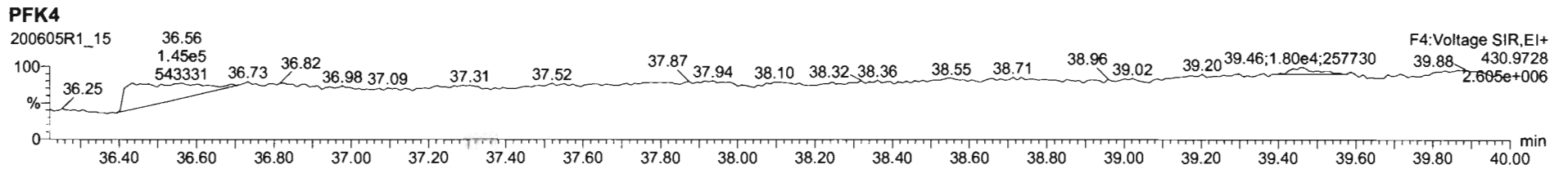
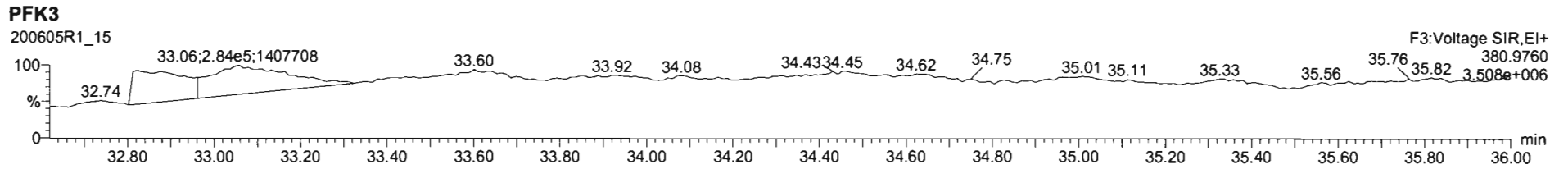
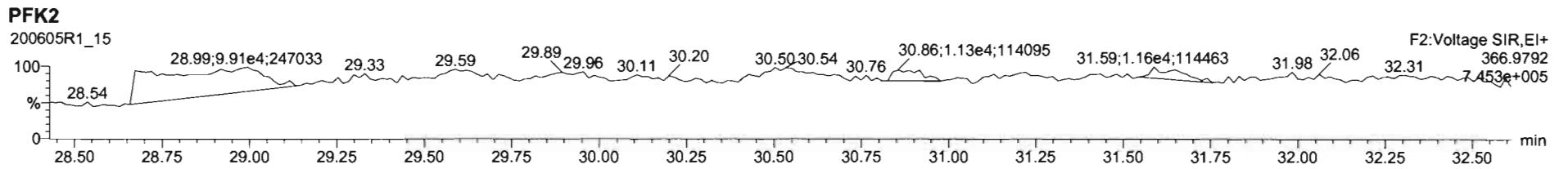
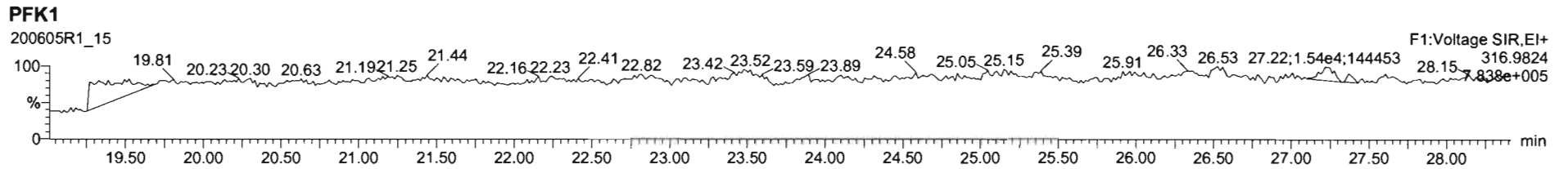
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Dataset: Untitled

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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

Name: 200605R1_15, Date: 05-Jun-2020, Time: 20:41:16, ID: B0E0079-DUP1 Duplicate 14.82, Description: Duplicate



Dataset: U:\VG12.PRO\Results\200605R1\200605R1-16.qld

Last Altered: Thursday, June 11, 2020 12:51:11 PM Pacific Daylight Time

Printed: Thursday, June 11, 2020 12:51:33 PM Pacific Daylight Time

GRS 06/11/2020

2700/15/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R1_16, Date: 05-Jun-2020, Time: 21:27:28, ID: 2000995-11 PDI-072SC-B-06-08-200430 14.24, Description: PDI-072SC-B-06-08-200430

#	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	0.888	10.102	26.515		1.001				0.0972	
2	2 1,2,3,7,8-PeCDD			NO	0.908	10.102	31.473		1.001				0.144	
3	3 1,2,3,4,7,8-HxCDD			NO	1.03	10.102	34.836		1.000				0.226	
4	4 1,2,3,6,7,8-HxCDD			NO	0.892	10.102	34.932		1.000				0.229	
5	5 1,2,3,7,8,9-HxCDD			NO	0.887	10.102	35.220		1.000				0.277	
6	6 1,2,3,4,6,7,8-HpCDD	4.88e3	0.94	NO	0.864	10.102	38.757	38.74	1.000	1.000	5.6058		0.707	5.61
7	7 OCDD	2.59e4	0.86	NO	0.914	10.102	41.738	41.76	1.000	1.001	40.462		0.769	40.5
8	8 2,3,7,8-TCDF	2.08e3	0.79	NO	0.751	10.102	25.627	25.60	1.001	1.000	0.82219	<i>ok</i>	0.125	0.822
9	9 1,2,3,7,8-PeCDF	2.50e3	1.62	NO	0.893	10.102	30.190	30.18	1.001	1.001	0.95094		0.229	0.951
10	10 2,3,4,7,8-PeCDF	8.73e2	1.57	NO	0.935	10.102	31.177	31.16	1.001	1.000	0.33605		0.218	0.336
11	11 1,2,3,4,7,8-HxCDF	2.61e3	1.23	NO	0.884	10.102	33.952	33.96	1.000	1.000	1.7499		0.226	1.75
12	12 1,2,3,6,7,8-HxCDF	7.95e2	1.11	NO	0.889	10.102	34.079	34.10	1.000	1.001	0.47864		0.223	0.479
13	13 2,3,4,6,7,8-HxCDF			NO	0.934	10.102	34.690		1.001				0.249	
14	14 1,2,3,7,8,9-HxCDF			NO	0.871	10.102	35.571		1.000				0.343	
15	15 1,2,3,4,6,7,8-HpCDF	1.01e3	0.95	NO	0.873	10.102	37.387	37.38	1.001	1.001	1.0108		0.322	1.01
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.102	39.299		1.000				0.381	
17	17 OCDF	1.24e3	0.85	NO	0.806	10.102	41.940	41.96	1.000	1.001	1.8782		0.329	1.88
18	18 13C-2,3,7,8-TCDD	5.72e5	0.78	NO	1.16	10.102	26.522	26.48	1.026	1.025	117.33	59.3	0.180	
19	19 13C-1,2,3,7,8-PeCDD	3.88e5	0.65	NO	0.849	10.102	31.711	31.45	1.227	1.217	108.53	54.8	0.256	
20	20 13C-1,2,3,4,7,8-HxCDD	2.49e5	1.29	NO	0.779	10.102	34.830	34.83	1.014	1.014	94.950	48.0	0.453	
21	21 13C-1,2,3,6,7,8-HxCDD	3.03e5	1.27	NO	1.02	10.102	34.944	34.93	1.017	1.017	88.525	44.7	0.347	
22	22 13C-1,2,3,7,8,9-HxCDD	2.72e5	1.27	NO	0.903	10.102	35.215	35.21	1.025	1.025	89.399	45.2	0.391	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.99e5	1.04	NO	0.689	10.102	38.739	38.74	1.128	1.128	85.787	43.3	0.326	
24	24 13C-OCDD	2.78e5	0.87	NO	0.652	10.102	41.761	41.74	1.216	1.215	126.24	31.9	0.440	
25	25 13C-2,3,7,8-TCDF	6.68e5	0.77	NO	1.06	10.102	25.564	25.60	0.989	0.991	105.02	53.0	0.275	
26	26 13C-1,2,3,7,8-PeCDF	5.83e5	1.63	NO	0.838	10.102	30.093	30.17	1.165	1.168	115.82	58.5	0.532	
27	27 13C-2,3,4,7,8-PeCDF	5.50e5	1.59	NO	0.817	10.102	31.047	31.15	1.202	1.205	112.14	56.6	0.546	
28	28 13C-1,2,3,4,7,8-HxCDF	3.33e5	0.49	NO	1.01	10.102	33.961	33.95	0.989	0.989	98.099	49.6	0.554	
29	29 13C-1,2,3,6,7,8-HxCDF	3.70e5	0.51	NO	1.17	10.102	34.085	34.07	0.992	0.992	93.991	47.5	0.479	
30	30 13C-2,3,4,6,7,8-HxCDF	3.07e5	0.50	NO	1.02	10.102	34.659	34.65	1.009	1.009	89.023	45.0	0.547	
31	31 13C-1,2,3,7,8,9-HxCDF	2.74e5	0.48	NO	0.860	10.102	35.558	35.57	1.035	1.036	94.392	47.7	0.650	

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-16.qld

Last Altered: Thursday, June 11, 2020 12:51:11 PM Pacific Daylight Time

Printed: Thursday, June 11, 2020 12:51:33 PM Pacific Daylight Time

Name: 200605R1_16, Date: 05-Jun-2020, Time: 21:27:28, ID: 2000995-11 PDI-072SC-B-06-08-200430 14.24, Description: PDI-072SC-B-06-08-200430

#	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	2.27e5	0.41	NO	0.774	10.102	37.307	37.35	1.086	1.087	87.074	44.0	0.515	
33	13C-1,2,3,4,7,8,9-HpCDF	1.49e5	0.41	NO	0.521	10.102	39.336	39.30	1.145	1.144	84.543	42.7	0.765	
34	13C-OCDF	3.25e5	0.84	NO	0.746	10.102	41.933	41.94	1.221	1.221	129.20	32.6	0.396	
35	37Cl-2,3,7,8-TCDD	2.08e5			1.04	10.102	26.553	26.51	1.028	1.026	47.638	60.2	0.0785	
36	13C-1,2,3,4-TCDD	8.35e5	0.78	NO	1.00	10.102	25.890	25.84	1.000	1.000	197.97	100	0.208	
37	13C-1,2,3,4-TCDF	1.19e6	0.79	NO	1.00	10.102	24.360	24.16	1.000	1.000	197.97	100	0.291	
38	13C-1,2,3,4,6,9-HxCDF	6.67e5	0.50	NO	1.00	10.102	34.420	34.35	1.000	1.000	197.97	100	0.559	
39	Total Tetra-Dioxins				0.888	10.102	24.620		0.000		0.77946		0.0972	0.779
40	Total Penta-Dioxins				0.908	10.102	29.960		0.000		0.36981		0.0684	0.370
41	Total Hexa-Dioxins				0.892	10.102	33.635		0.000		3.0533		0.254	3.05
42	Total Hepta-Dioxins				0.864	10.102	37.640		0.000		13.596		0.707	13.6
43	Total Tetra-Furans				0.751	10.102	23.610		0.000		2.5003		0.125	2.50
44	1st Func. Penta-Furans				0.893	10.102	27.580		0.000		0.16955		0.0246	0.170
45	Total Penta-Furans				0.893	10.102	29.275		0.000		2.0412		0.228	2.19
46	Total Hexa-Furans				0.934	10.102	33.555		0.000		2.7205		0.245	2.72
47	Total Hepta-Furans				0.873	10.102	37.835		0.000		2.0941		0.370	2.09

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-16.qld

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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R1_16, Date: 05-Jun-2020, Time: 21:27:28, ID: 2000995-11 PDI-072SC-B-06-08-200430 14.24, Description: PDI-072SC-B-06-08-200430

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.52	3.492e3	4.178e3	2.817e2	3.221e2	0.87	NO	6.038e2	0.23523	0.23523	0.0972
2	Total Tetra-Dioxins	22.95	3.900e3	3.071e3	2.660e2	3.055e2	0.87	NO	5.715e2	0.22267	0.22267	0.0972
3	Total Tetra-Dioxins	24.30	5.756e3	5.698e3	3.314e2	4.939e2	0.67	NO	8.254e2	0.32156	0.32156	0.0972

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.24	1.752e3	3.069e3	1.279e2	2.253e2	0.57	NO	3.531e2	0.19818	0.19818	0.0684
2	Total Penta-Dioxins	29.73	2.442e3	2.930e3	1.176e2	1.883e2	0.62	NO	3.058e2	0.17163	0.17163	0.0684

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.33	2.060e4	1.914e4	1.135e3	1.061e3	1.07	NO	2.195e3	1.7715	1.7715	0.254
2	Total Hexa-Dioxins	33.90	4.548e3	3.163e3	2.336e2	1.670e2	1.40	NO	4.006e2	0.32324	0.32324	0.254
3	Total Hexa-Dioxins	34.15	1.000e4	7.567e3	6.703e2	5.177e2	1.29	NO	1.188e3	0.95857	0.95857	0.254

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.74	4.259e4	3.706e4	3.505e3	3.446e3	1.02	NO	6.950e3	7.9903	7.9903	0.707
2	1,2,3,4,6,7,8-HpCDD	38.74	2.934e4	3.244e4	2.358e3	2.518e3	0.94	NO	4.876e3	5.6058	5.6058	0.707

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-16.qld

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Name: 200605R1_16, Date: 05-Jun-2020, Time: 21:27:28, ID: 2000995-11 PDI-072SC-B-06-08-200430 14.24, Description: PDI-072SC-B-06-08-200430

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	21.51	6.541e3	8.642e3	5.766e2	6.655e2	0.87	NO	1.242e3	0.49012	0.49012	0.125
2	Total Tetra-Furans	24.67	1.221e4	1.505e4	9.324e2	1.165e3	0.80	NO	2.098e3	0.82768	0.82768	0.125
3	2,3,7,8-TCDF	25.60	1.263e4	2.105e4	9.181e2	1.166e3	0.79	NO	2.084e3	0.82219	0.82219	0.125
4	Total Tetra-Furans	25.99	3.752e3	4.867e3	2.313e2	3.237e2	0.71	NO	5.550e2	0.21900	0.21900	0.125
5	Total Tetra-Furans	27.62	3.276e3	2.600e3	1.568e2	2.013e2	0.78	NO	3.580e2	0.14128	0.14128	0.125

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	27.58	3.155e3	2.581e3	2.663e2	1.667e2	1.60	NO	4.330e2	0.16955	0.16955	0.0246

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.19	1.267e4	6.305e3	7.003e2	5.064e2	1.38	NO	1.207e3	0.47248	0.47248	0.228
2	1,2,3,7,8-PeCDF	30.18	2.732e4	1.846e4	1.545e3	9.547e2	1.62	NO	2.499e3	0.95094	0.95094	0.229
3	Total Penta-Furans	30.46	1.098e4	5.563e3	4.151e2	3.046e2	1.36	NO	7.197e2	0.28177	0.28177	0.228
4	2,3,4,7,8-PeCDF	31.16	1.233e4	6.868e3	5.338e2	3.391e2	1.57	NO	8.728e2	0.33605	0.33605	0.218
5	Total Penta-Furans	31.21	8.861e3	4.052e3	2.688e2	1.488e2	1.81	YES	0.000e0	0.00000	0.14852	0.228

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.94	3.777e3	3.631e3	2.297e2	1.812e2	1.27	NO	4.108e2	0.27139	0.27139	0.245
2	Total Hexa-Furans	33.49	3.326e3	4.380e3	1.780e2	1.559e2	1.14	NO	3.339e2	0.22056	0.22056	0.245
3	1,2,3,4,7,8-HxCDF	33.96	2.302e4	1.653e4	1.439e3	1.166e3	1.23	NO	2.605e3	1.7499	1.7499	0.226
4	1,2,3,6,7,8-HxCDF	34.10	9.065e3	6.480e3	4.187e2	3.763e2	1.11	NO	7.951e2	0.47864	0.47864	0.223

Hepta-Furans

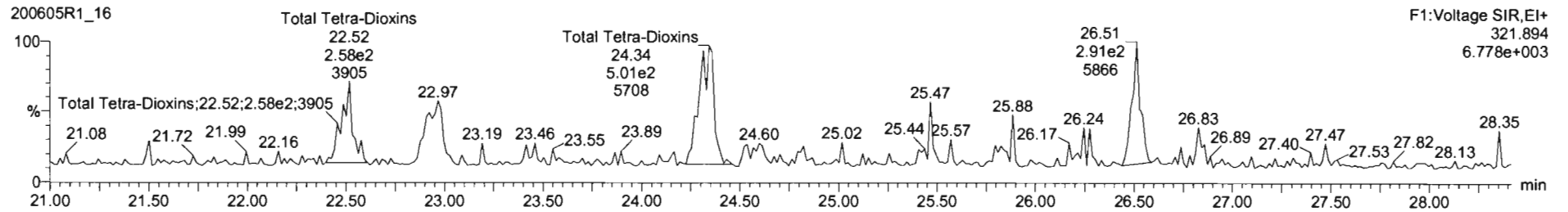
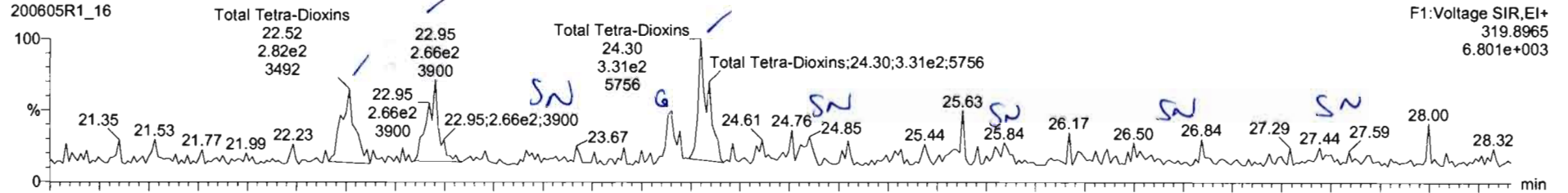
	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.38	5.720e3	5.331e3	4.933e2	5.206e2	0.95	NO	1.014e3	1.0108	1.0108	0.322
2	Total Hepta-Furans	37.97	6.064e3	6.703e3	4.569e2	4.413e2	1.04	NO	8.982e2	1.0833	1.0833	0.370

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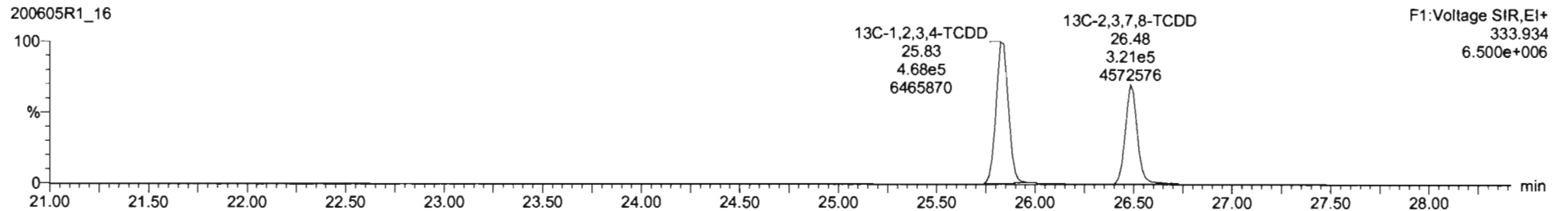
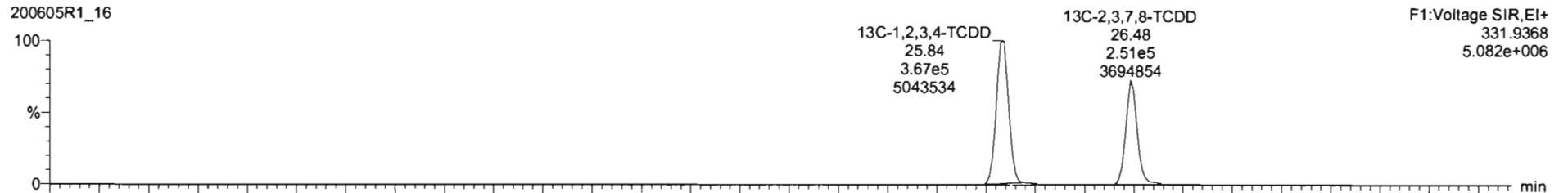
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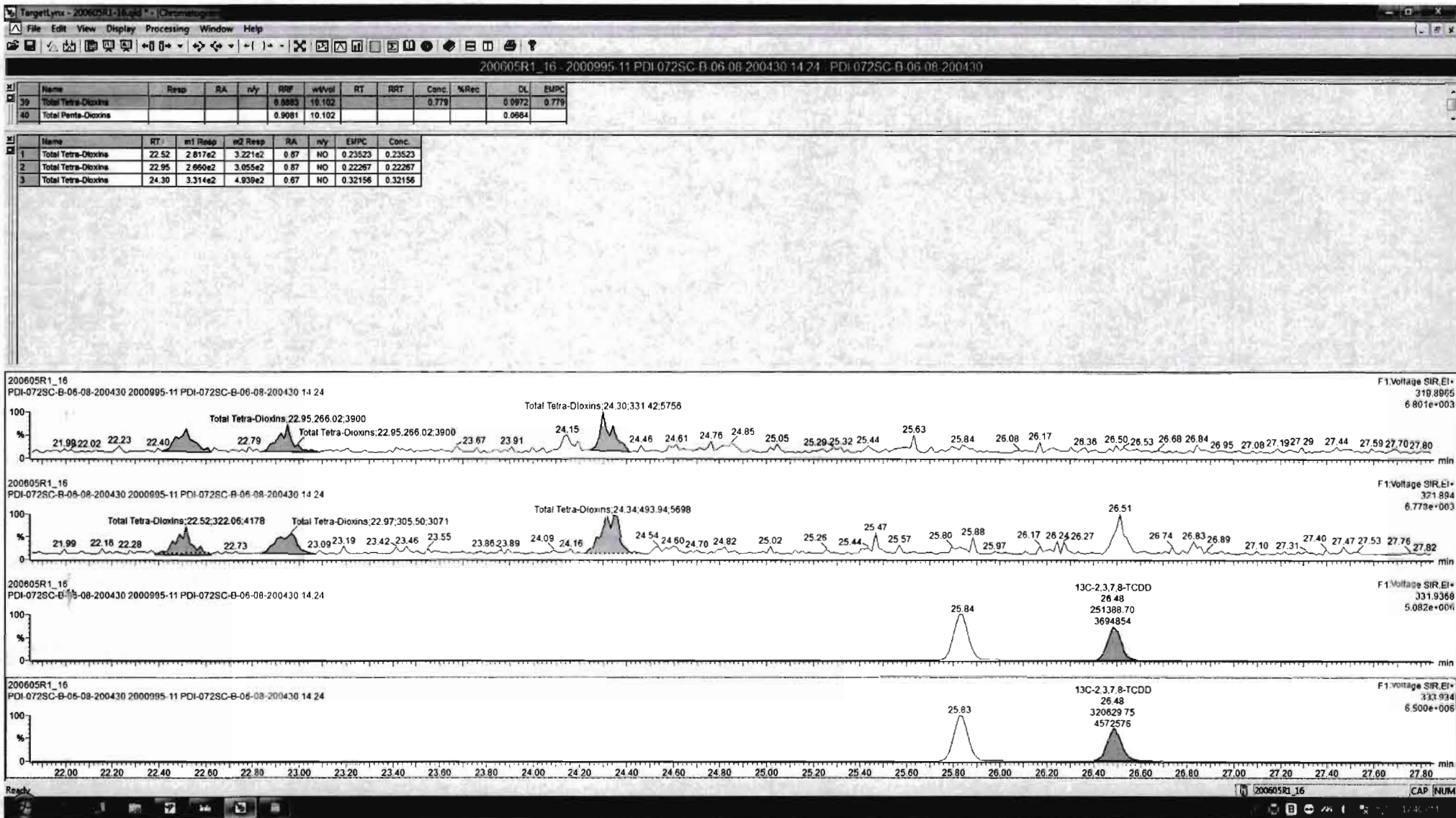
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2,3,7,8-TCDD



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





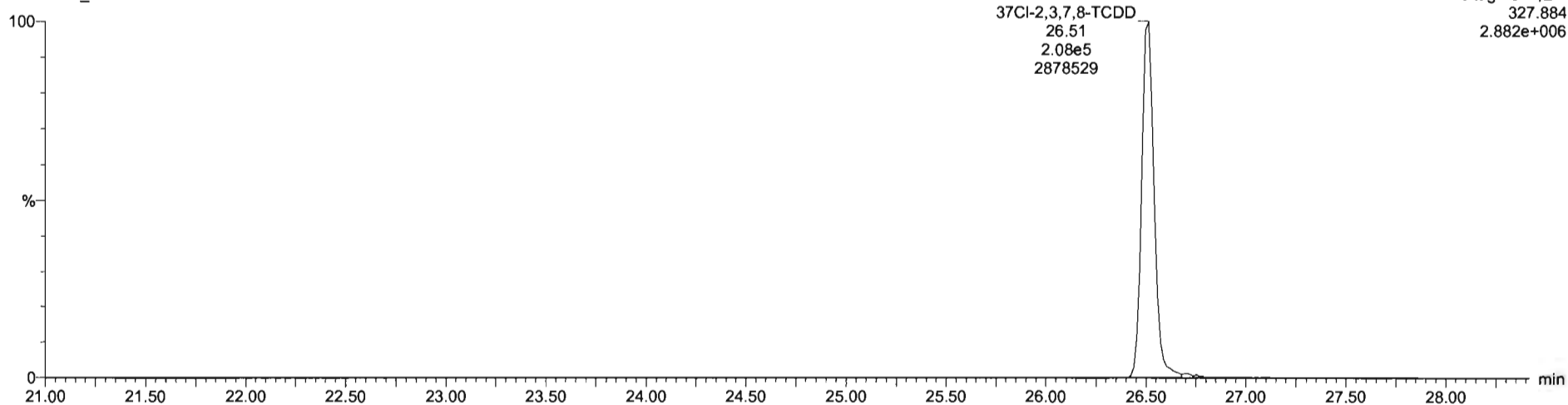
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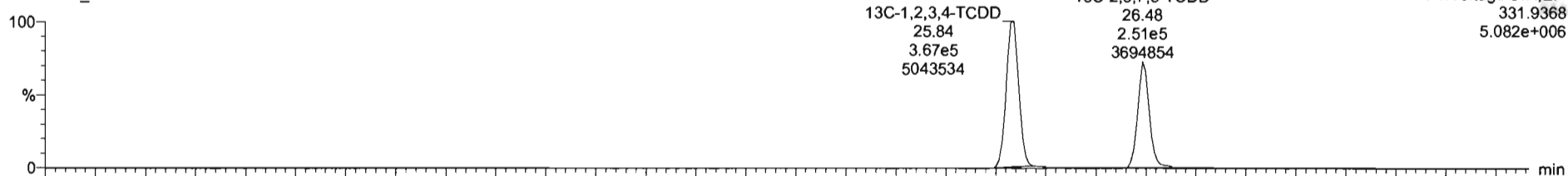
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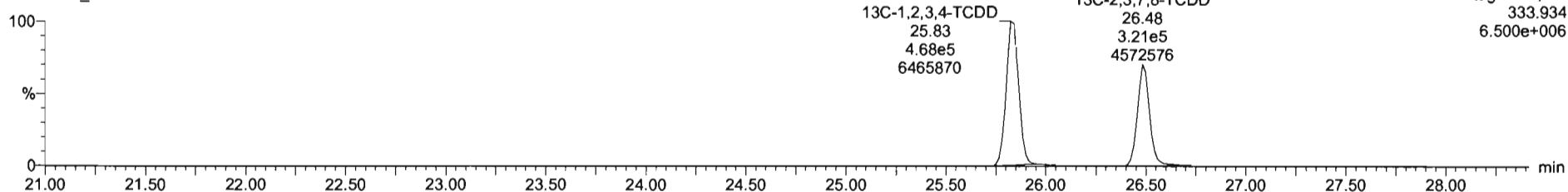


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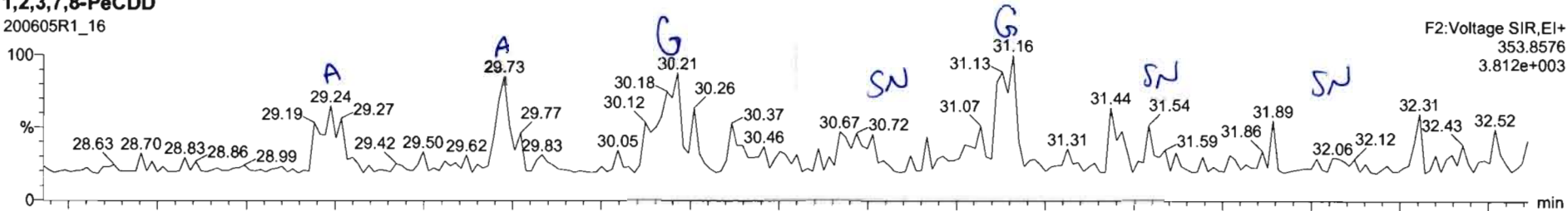
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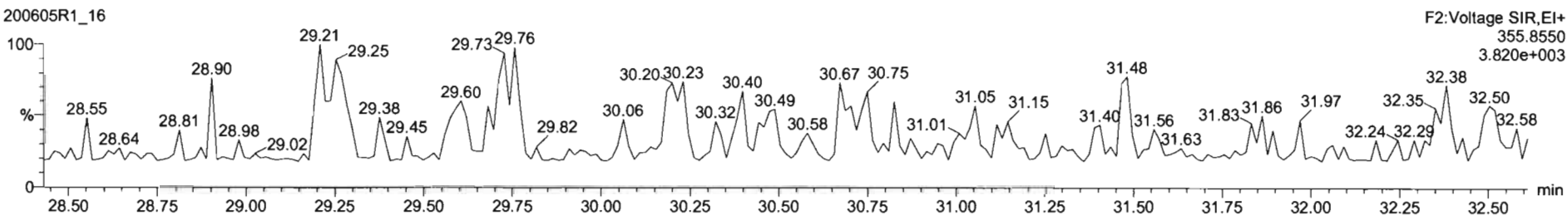
1,2,3,7,8-PeCDD

200605R1_16



F2:Voltage SIR,EI+
353.8576
3.812e+003

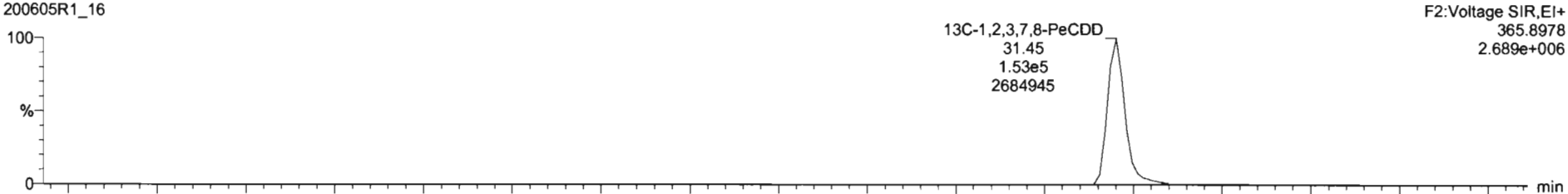
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F2:Voltage SIR,EI+
355.8550
3.820e+003

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

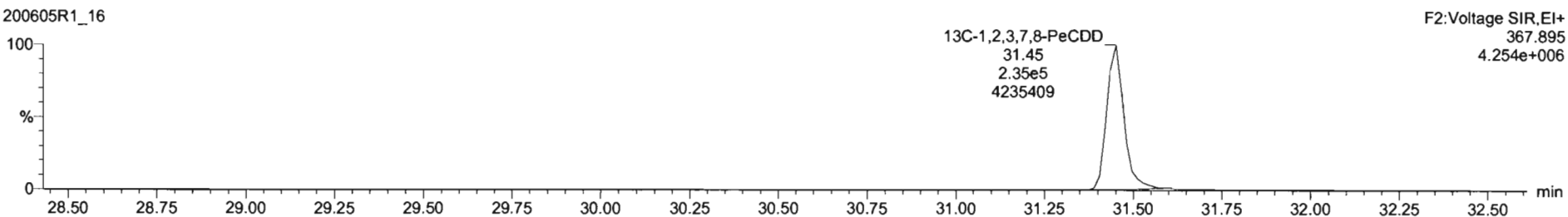
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1.53e5
2684945

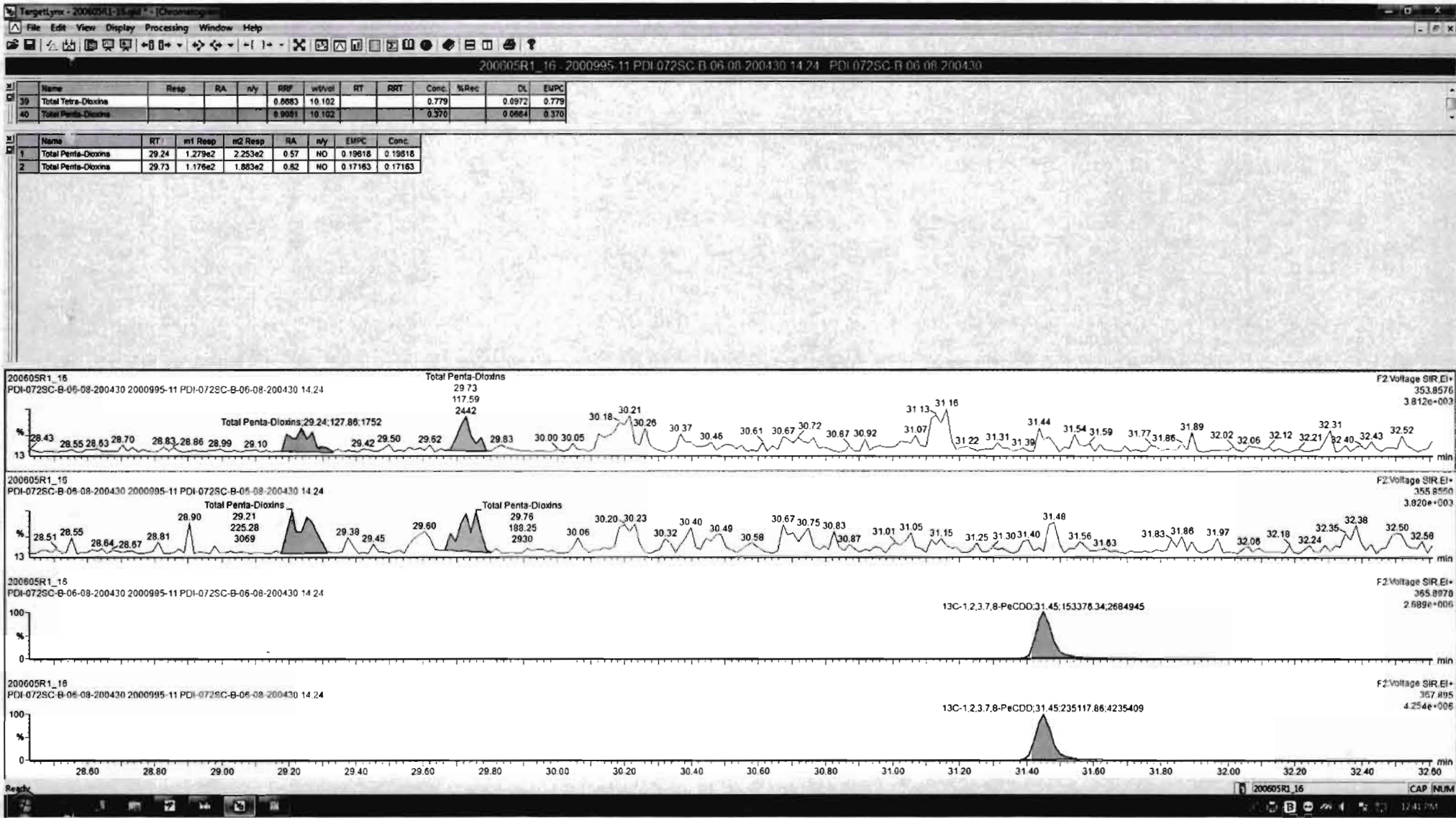
F2:Voltage SIR,EI+
365.8978
2.689e+006

200605R1_16



13C-1,2,3,7,8-PeCDD
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4235409

F2:Voltage SIR,EI+
367.895
4.254e+006



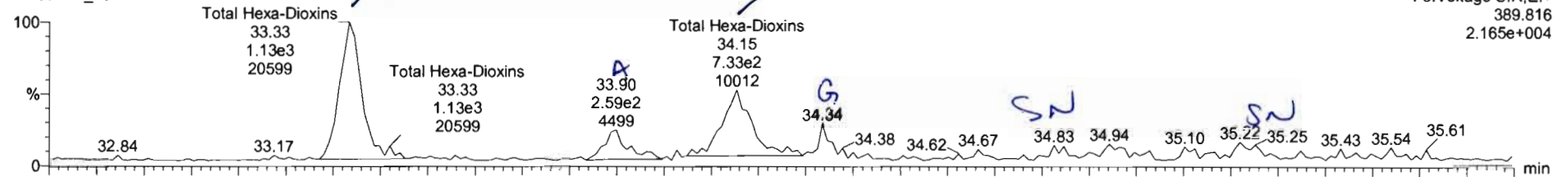
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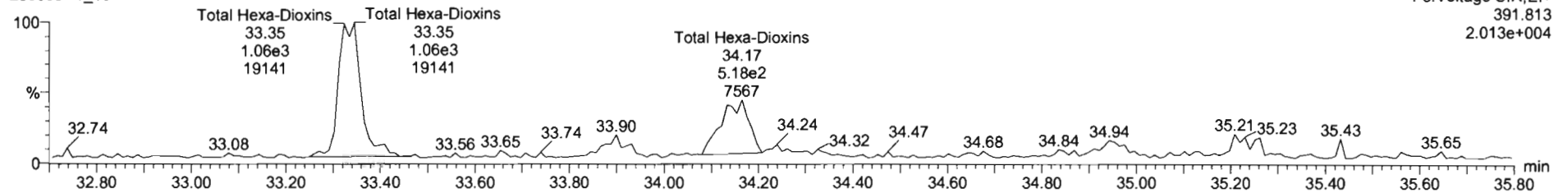
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1,2,3,4,7,8-HxCDD

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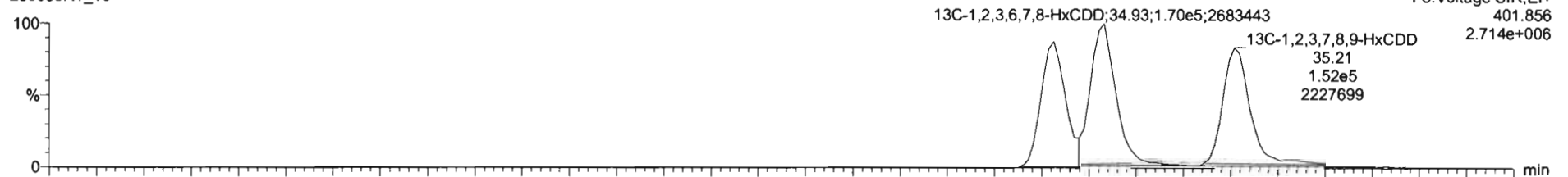


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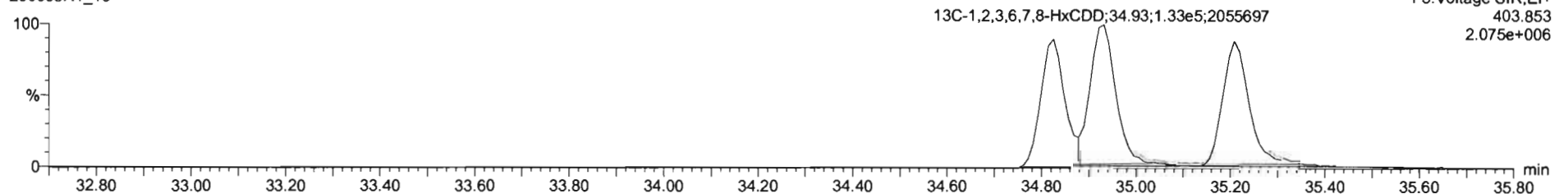


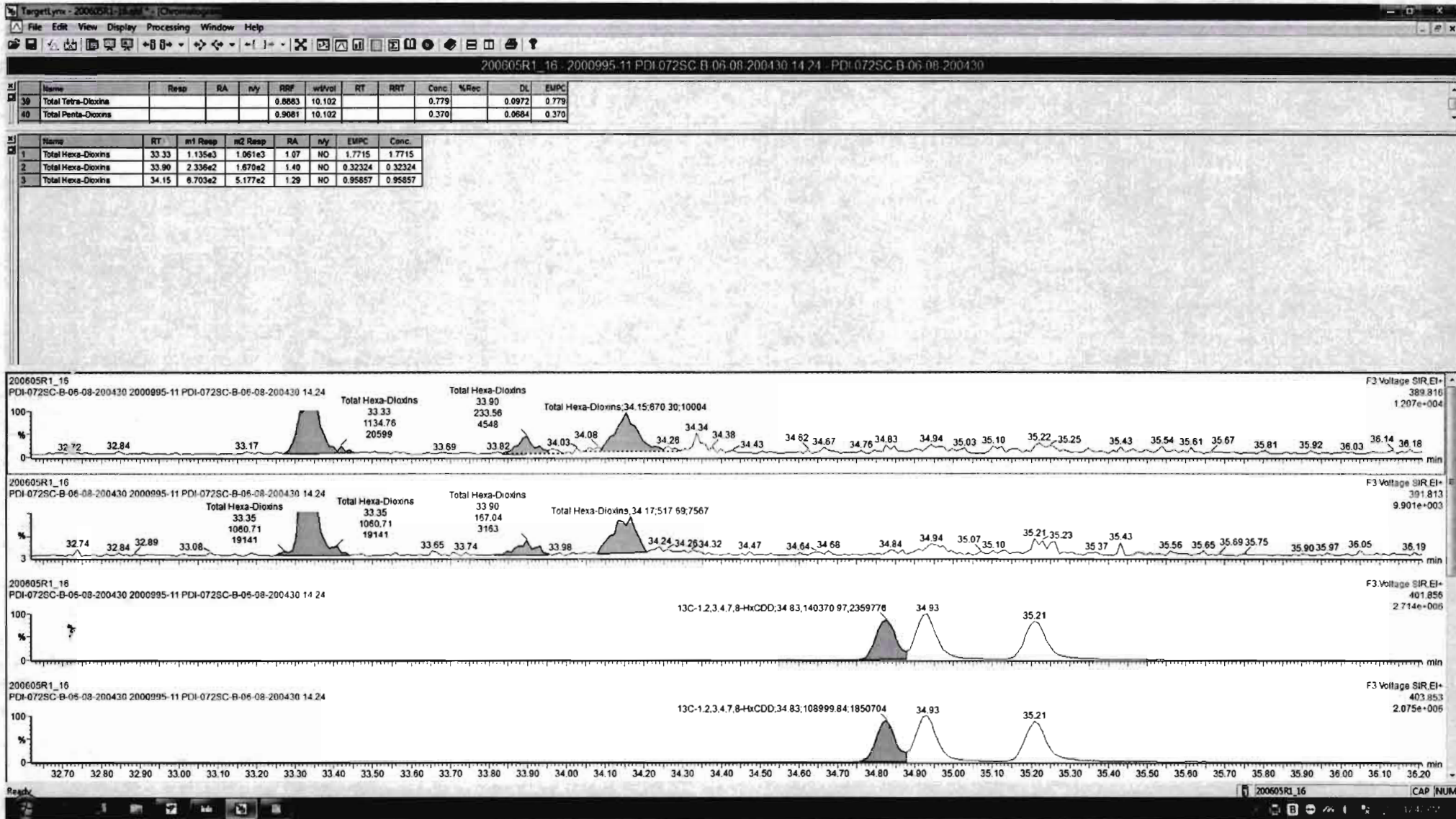
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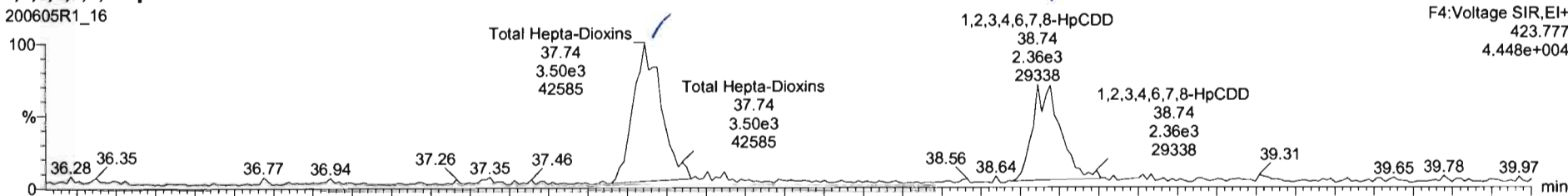
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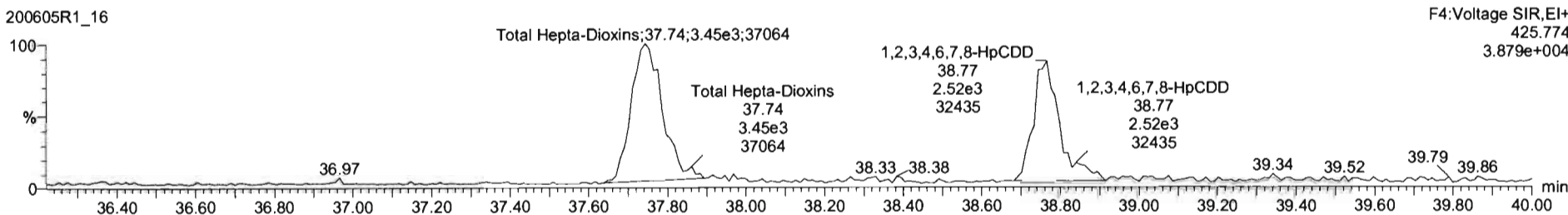
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1,2,3,4,6,7,8-HpCDD

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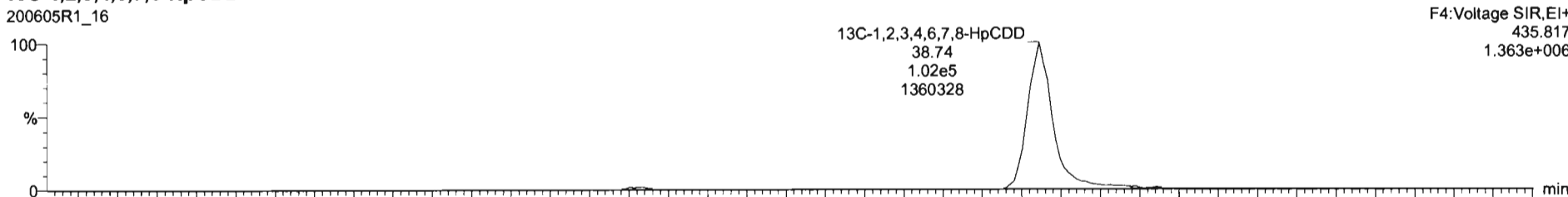


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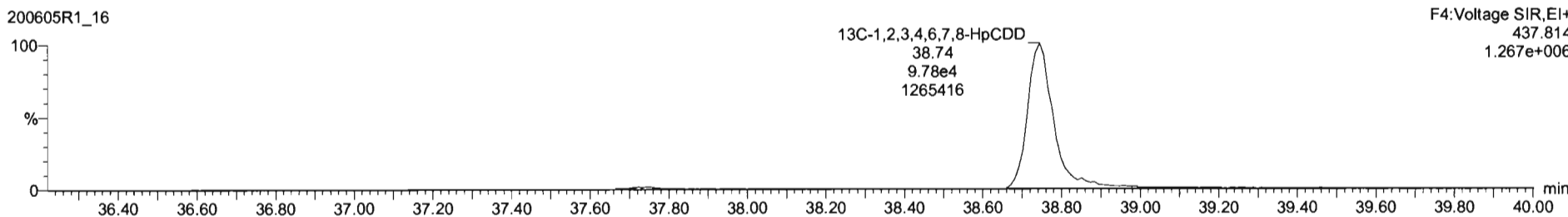


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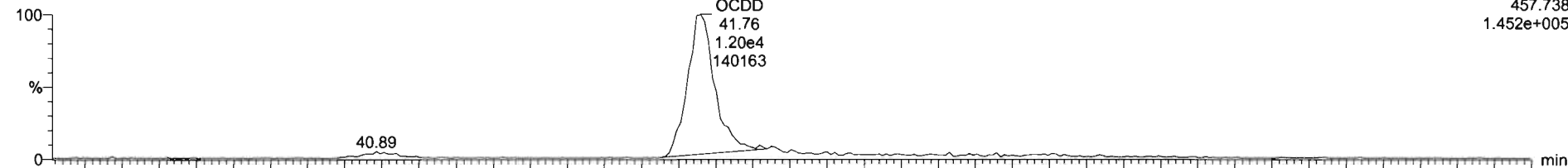
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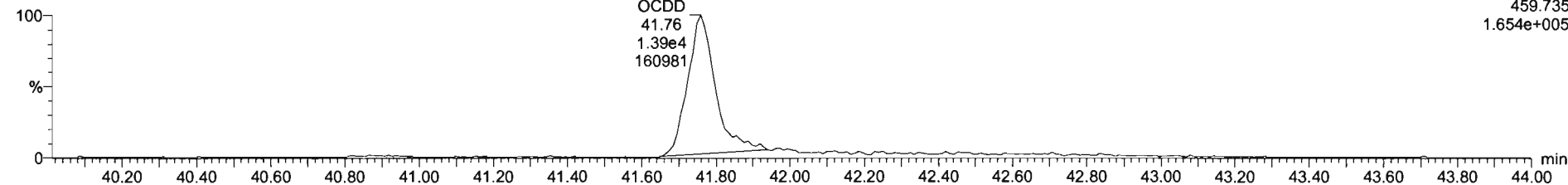
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OCDD

200605R1_16

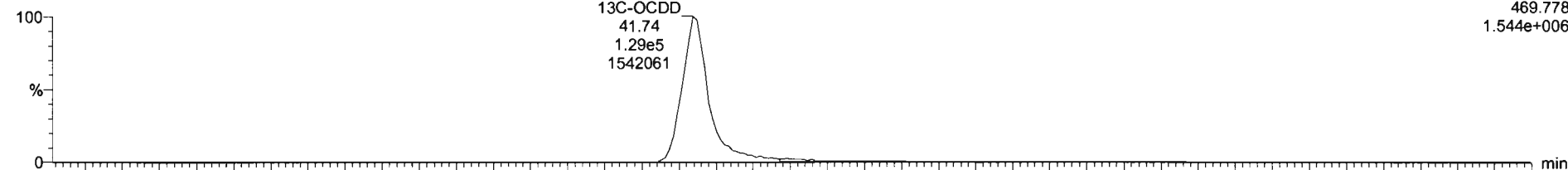


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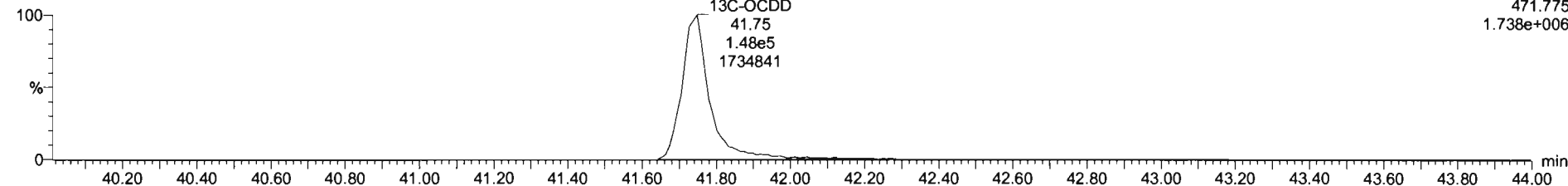


13C-OCDD

200605R1_16



200605R1_16

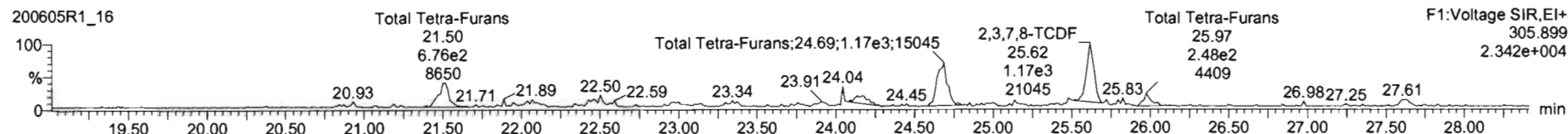
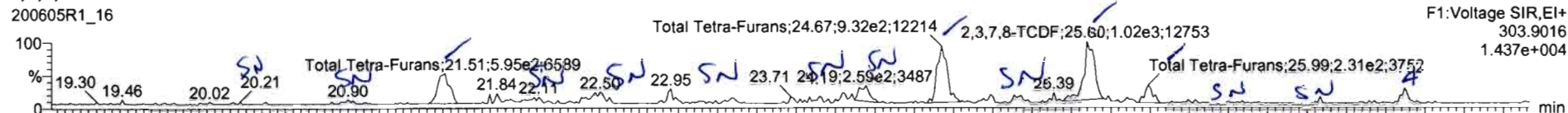


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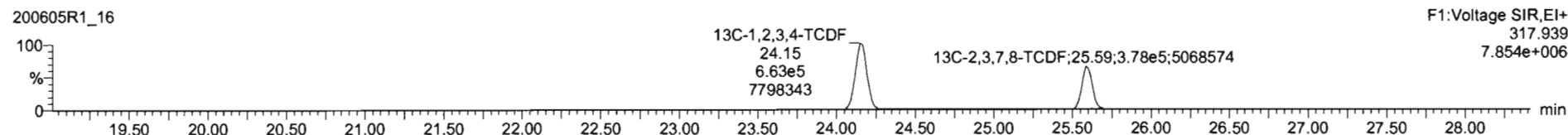
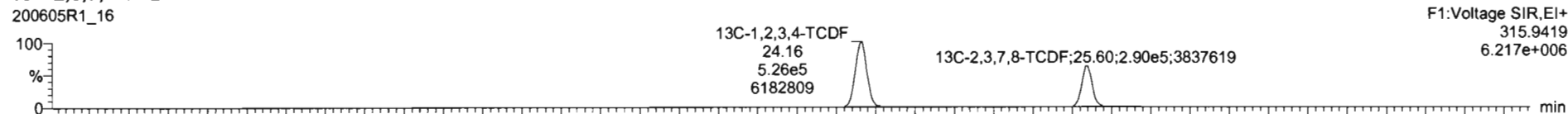
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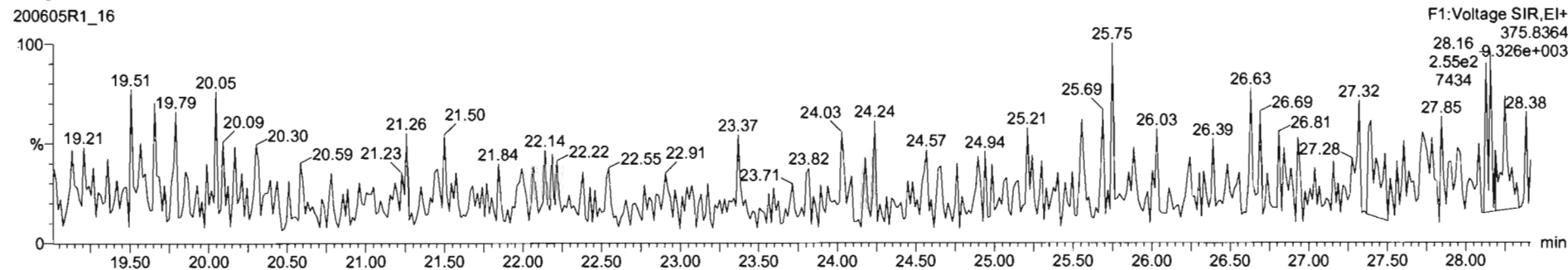
2,3,7,8-TCDF

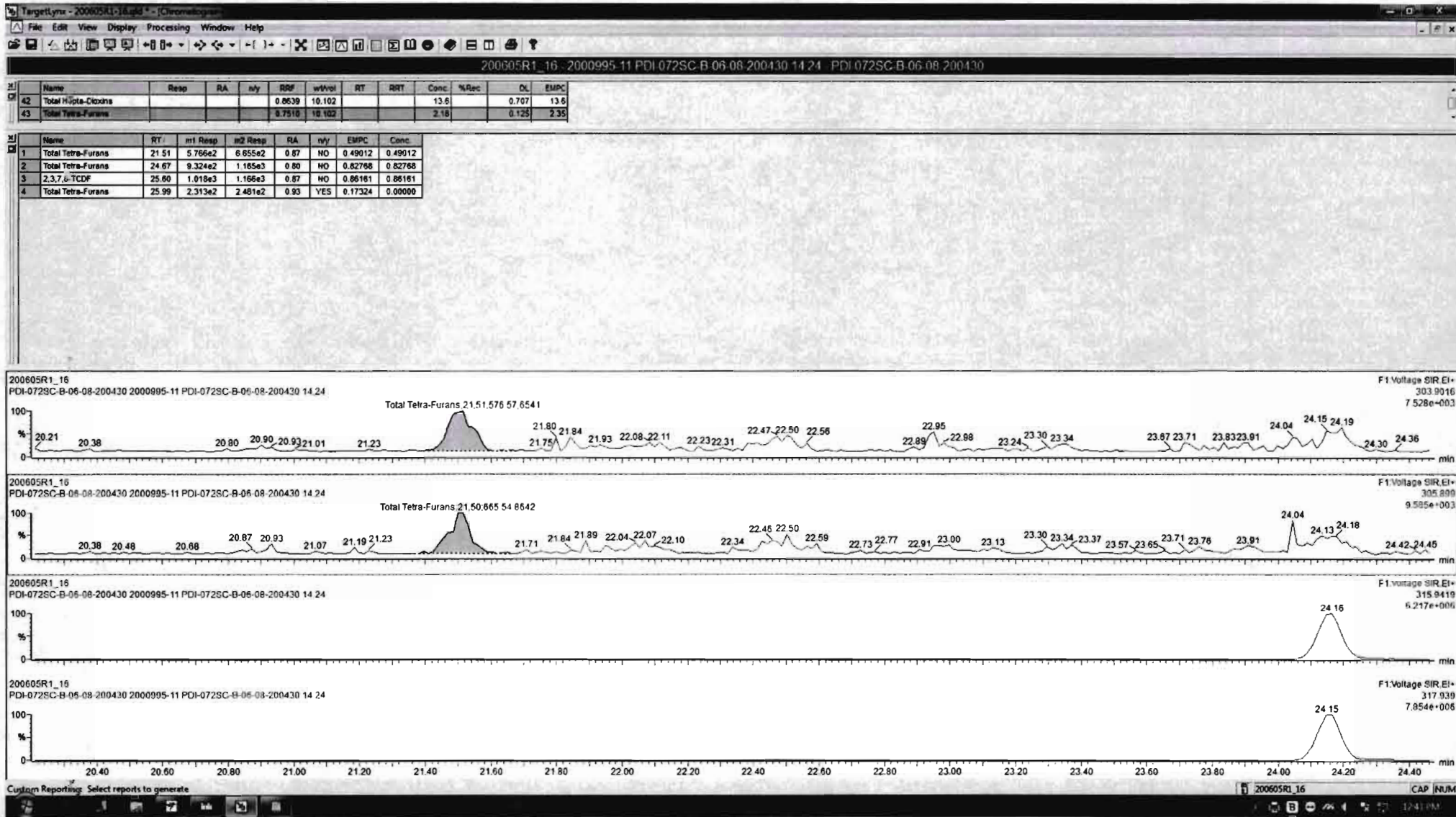


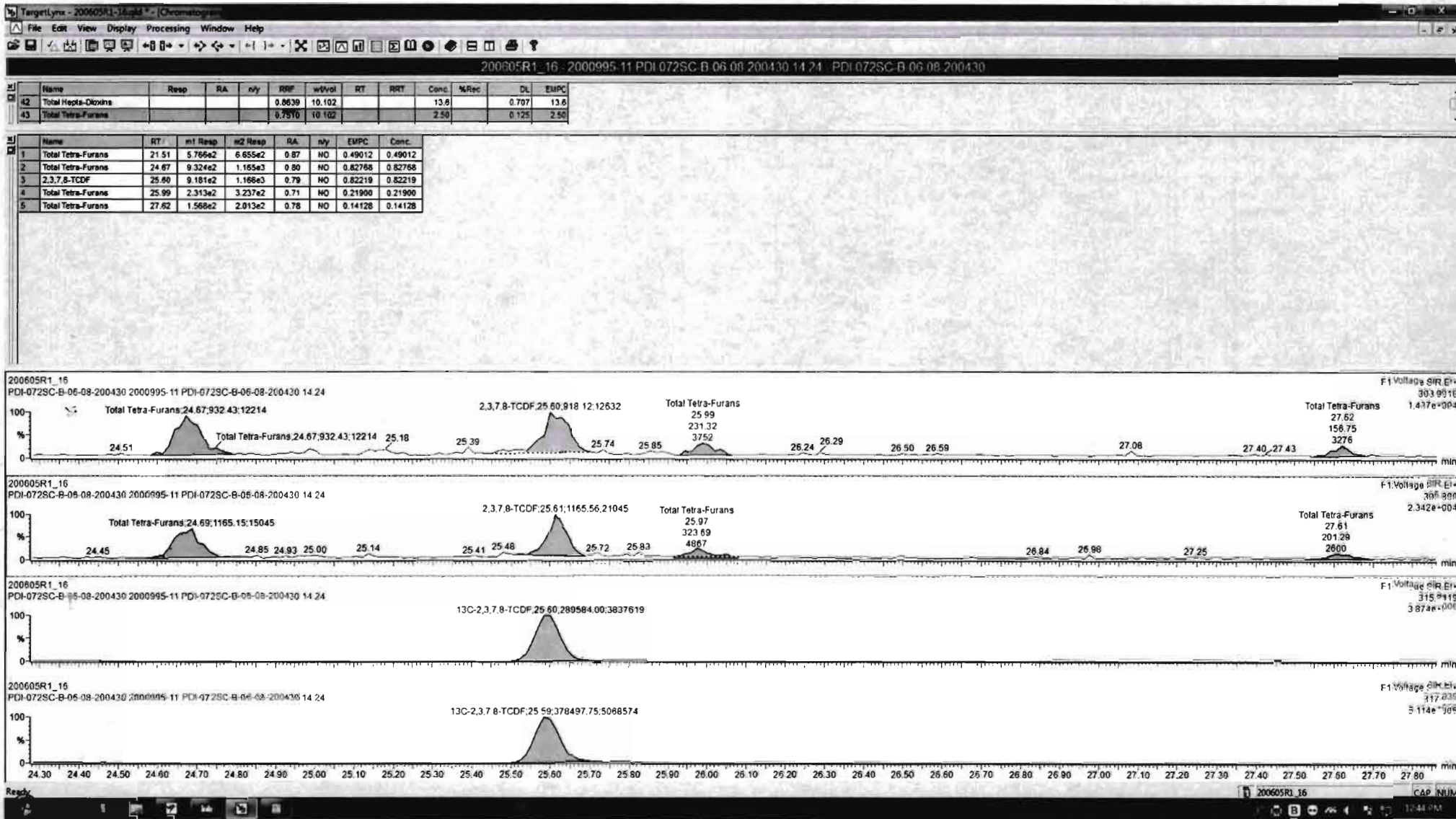
13C-2,3,7,8-TCDF



DPE1







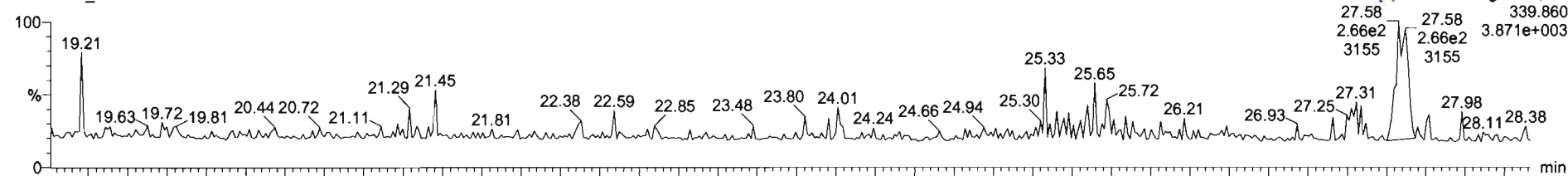
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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

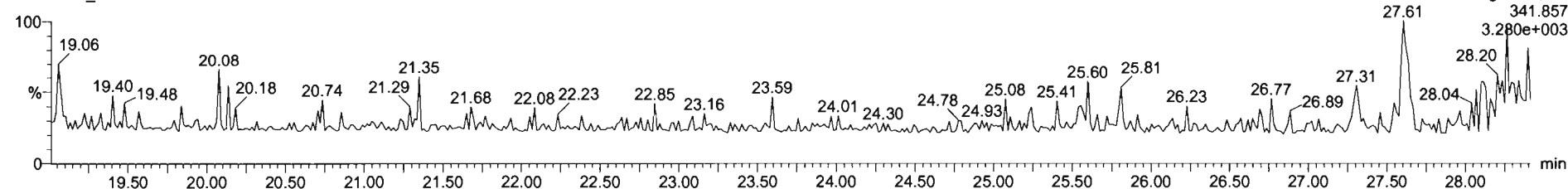
Name: 200605R1_16, Date: 05-Jun-2020, Time: 21:27:28, ID: 2000995-11 PDI-072SC-B-06-08-200430 14.24, Description: PDI-072SC-B-06-08-200430

1st Func. Penta-Furans

200605R1_16

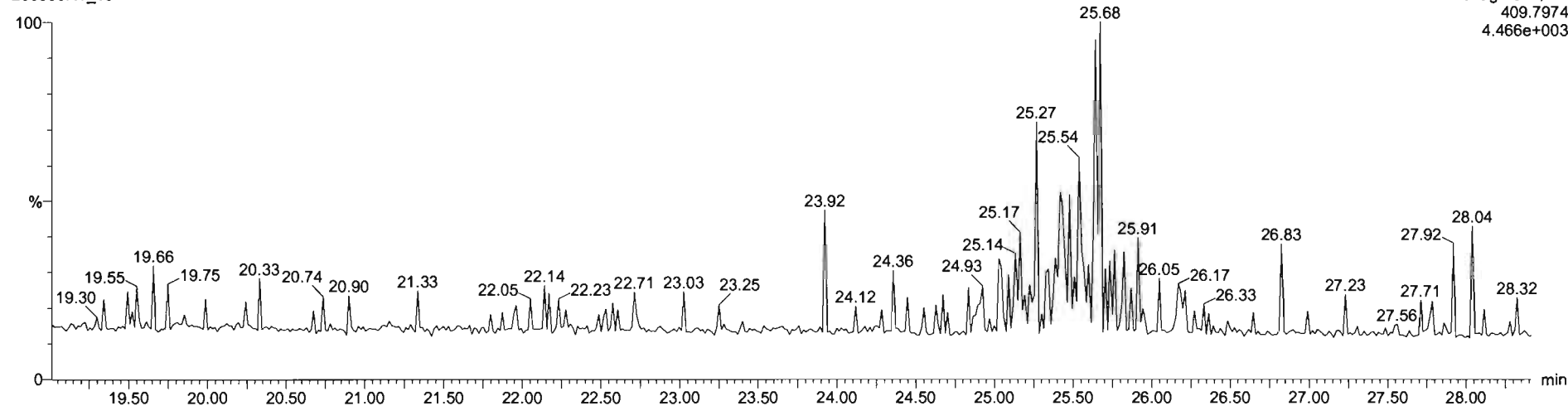


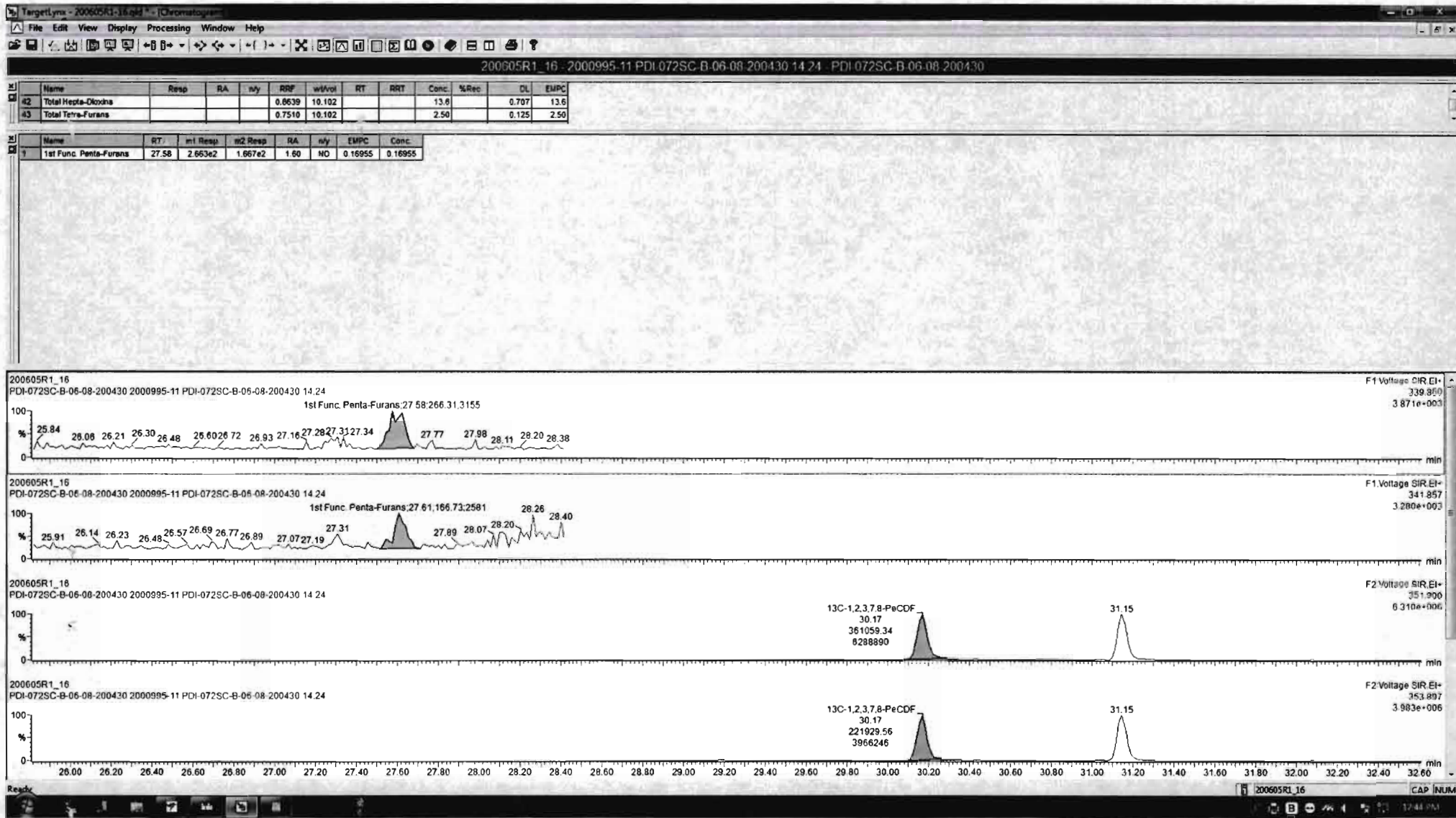
200605R1_16



DPE6

200605R1_16



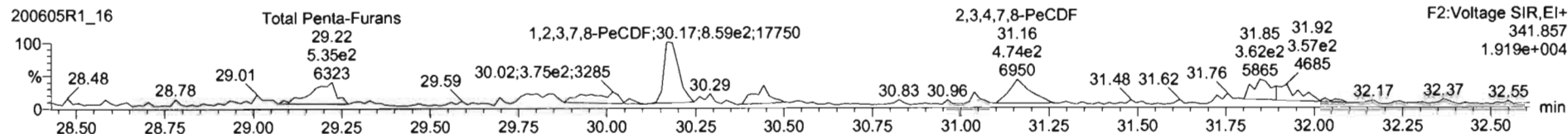
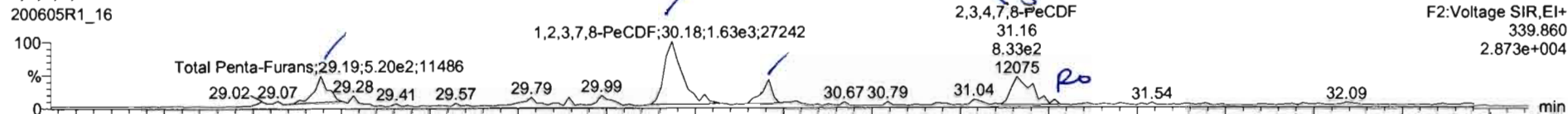


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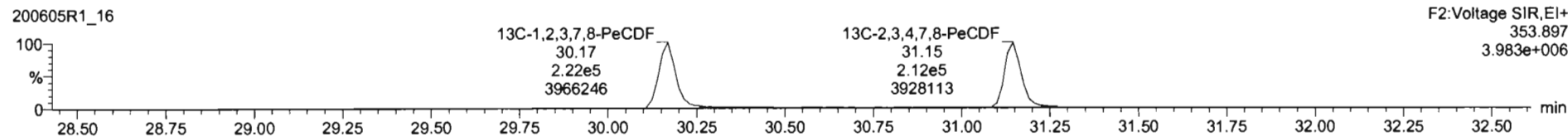
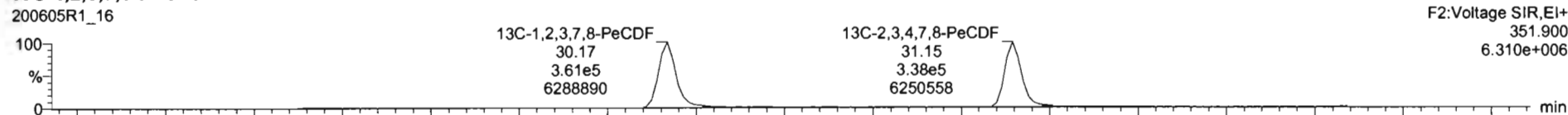
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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

Name: 200605R1_16, Date: 05-Jun-2020, Time: 21:27:28, ID: 2000995-11 PDI-072SC-B-06-08-200430 14.24, Description: PDI-072SC-B-06-08-200430

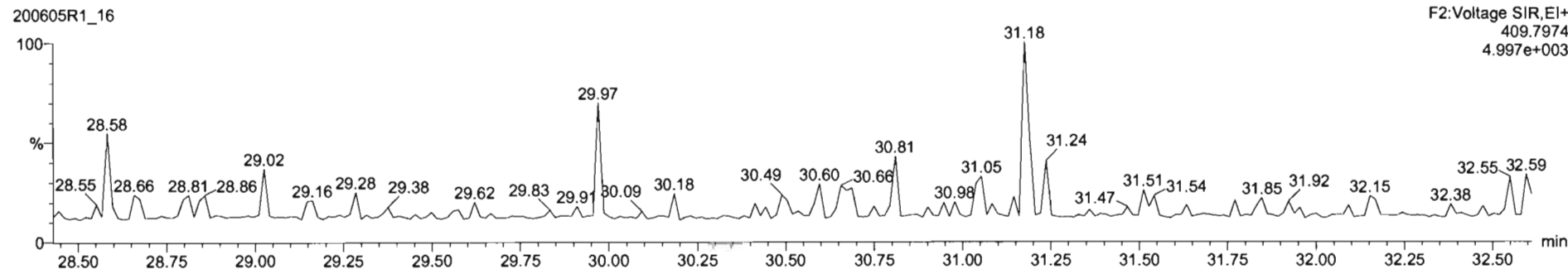
1,2,3,7,8-PeCDF

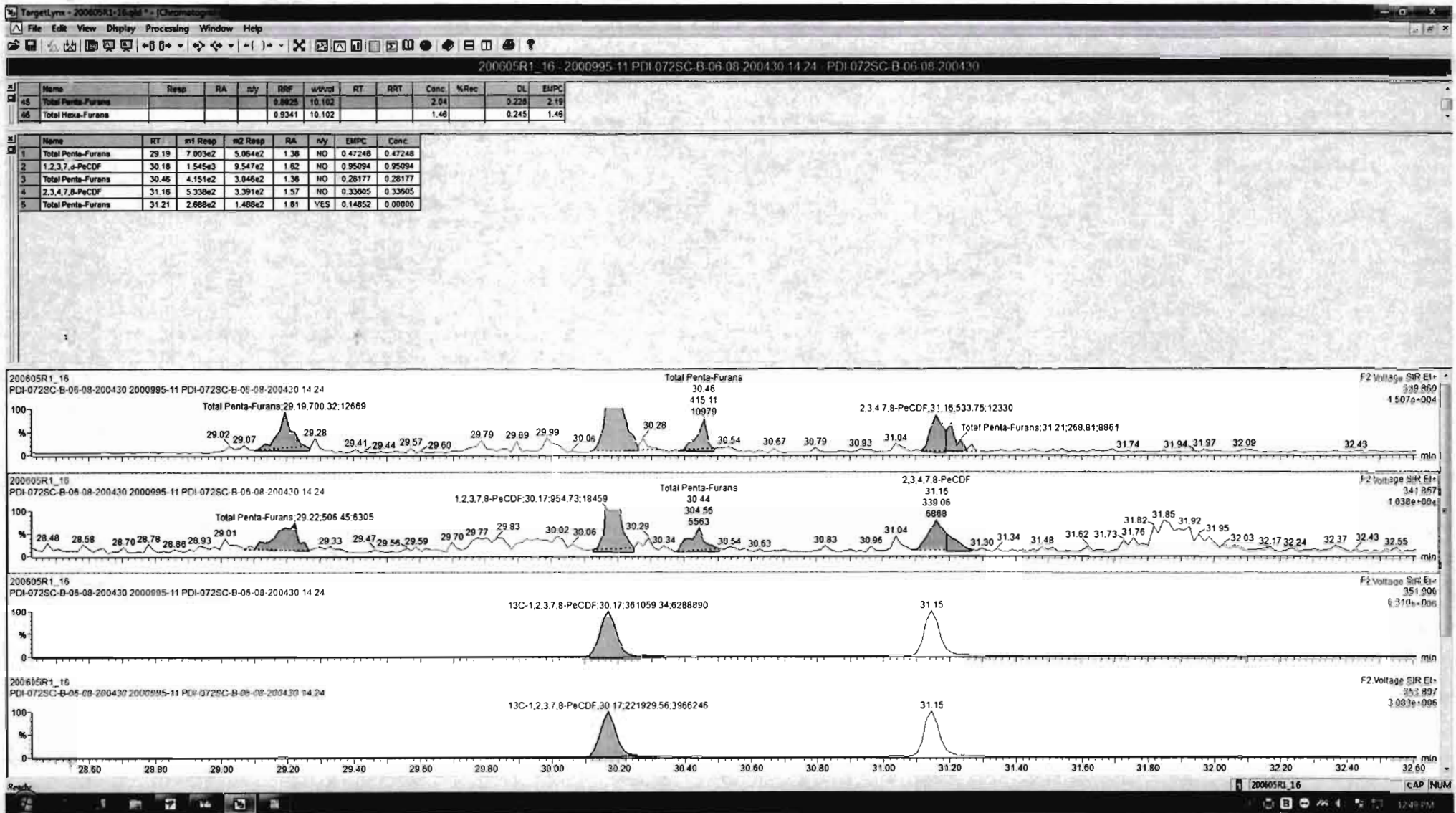


13C-1,2,3,7,8-PeCDF



DPE2



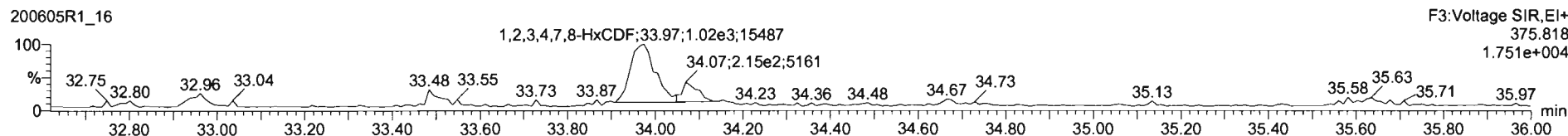
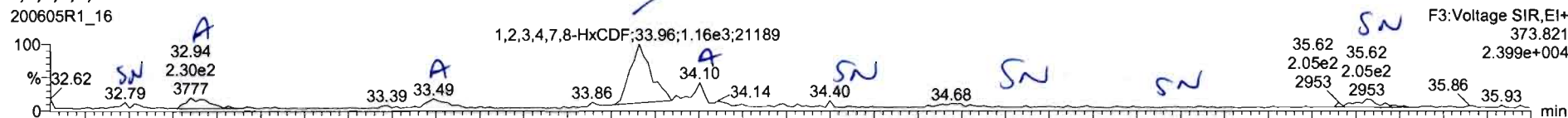


Dataset: Untitled

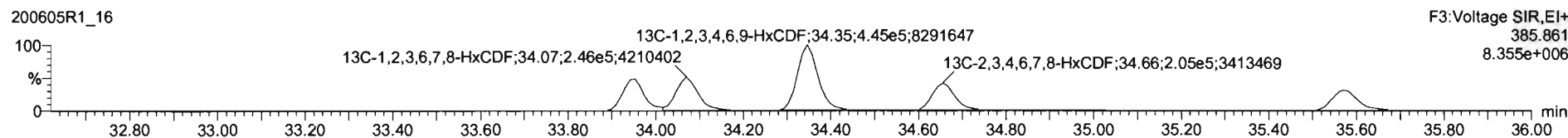
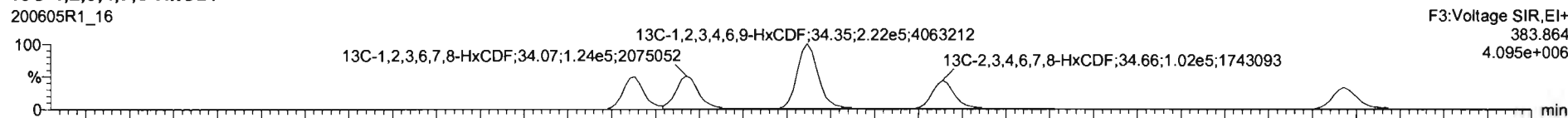
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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

Name: 200605R1_16, Date: 05-Jun-2020, Time: 21:27:28, ID: 2000995-11 PDI-072SC-B-06-08-200430 14.24, Description: PDI-072SC-B-06-08-200430

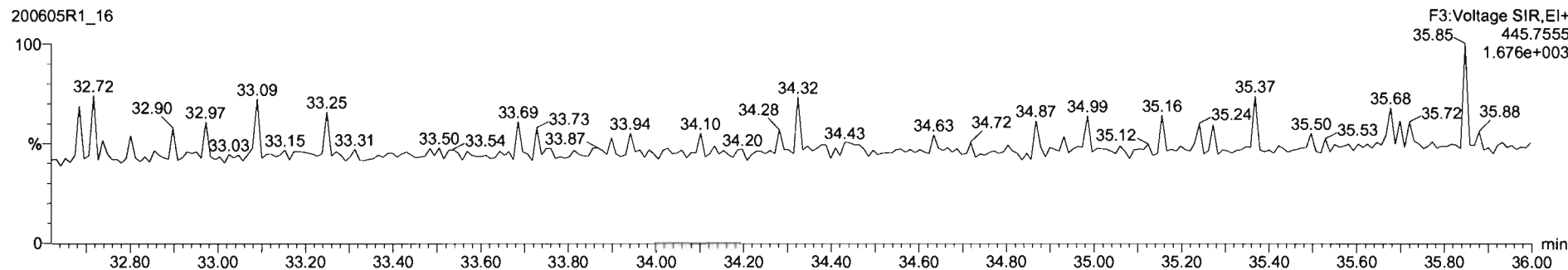
1,2,3,4,7,8-HxCDF



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

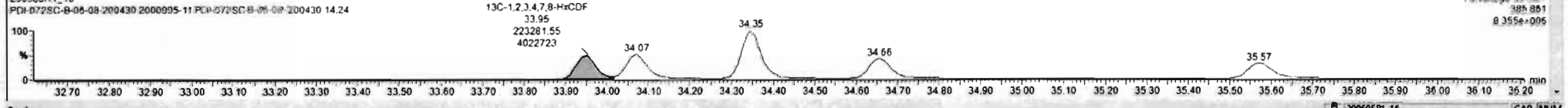
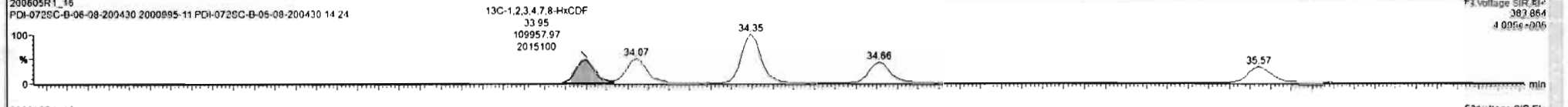
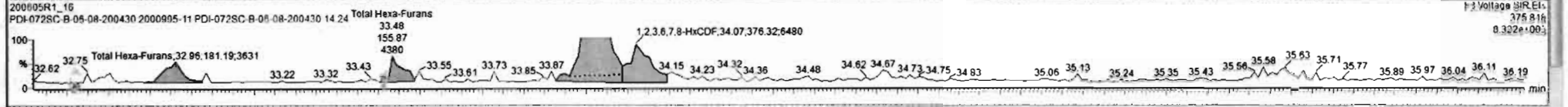
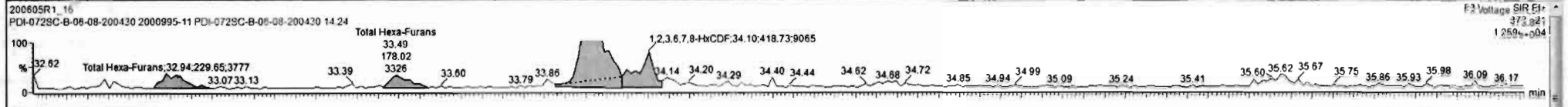


DPE3



Name	Resp	RA	n/y	RRF	wtVal	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.102			2.04		0.228	2.19
46 Total Hexa-Furans				0.9591	10.102			2.72		0.245	2.72

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1 Total Hexa-Furans	32.94	2.297e2	1.812e2	1.27	NO	0.27139	0.27139
2 Total Hexa-Furans	33.49	1.780e2	1.559e2	1.14	NO	0.22056	0.22056
3 1,2,3,4,7,8-HxCDF	33.96	1.438e3	1.166e3	1.23	NO	1.7499	1.7499
4 1,2,3,6,7,8-HxCDF	34.10	4.187e2	3.763e2	1.11	NO	0.47864	0.47864

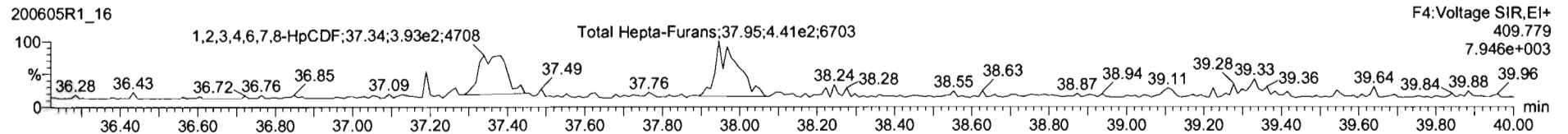
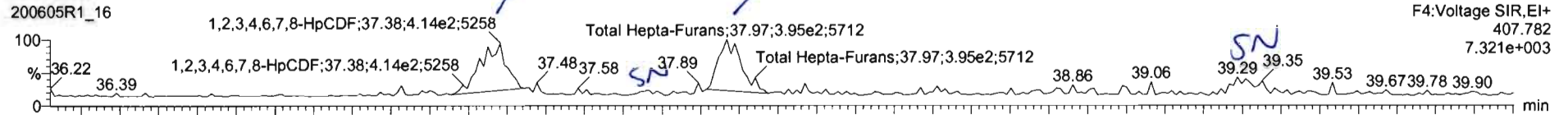


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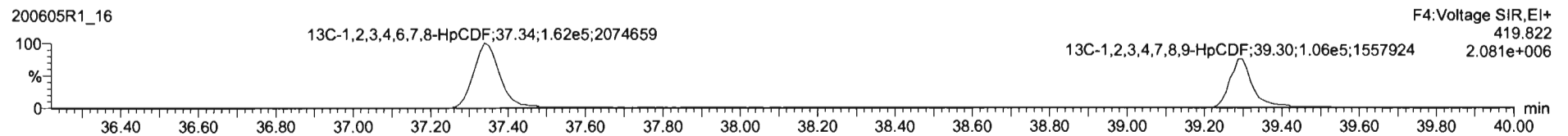
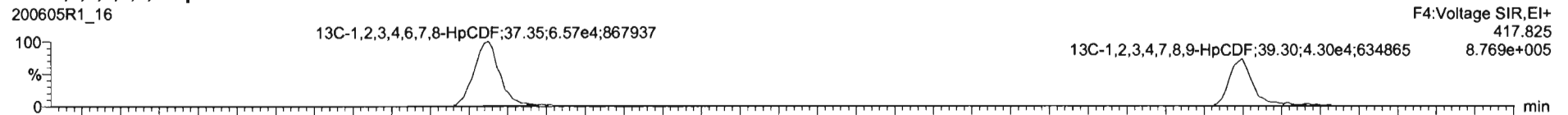
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Name: 200605R1_16, Date: 05-Jun-2020, Time: 21:27:28, ID: 2000995-11 PDI-072SC-B-06-08-200430 14.24, Description: PDI-072SC-B-06-08-200430

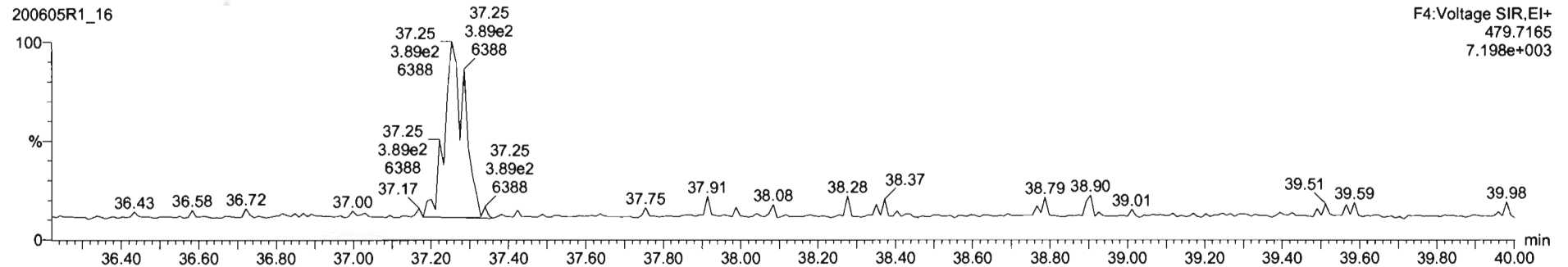
1,2,3,4,6,7,8-HpCDF

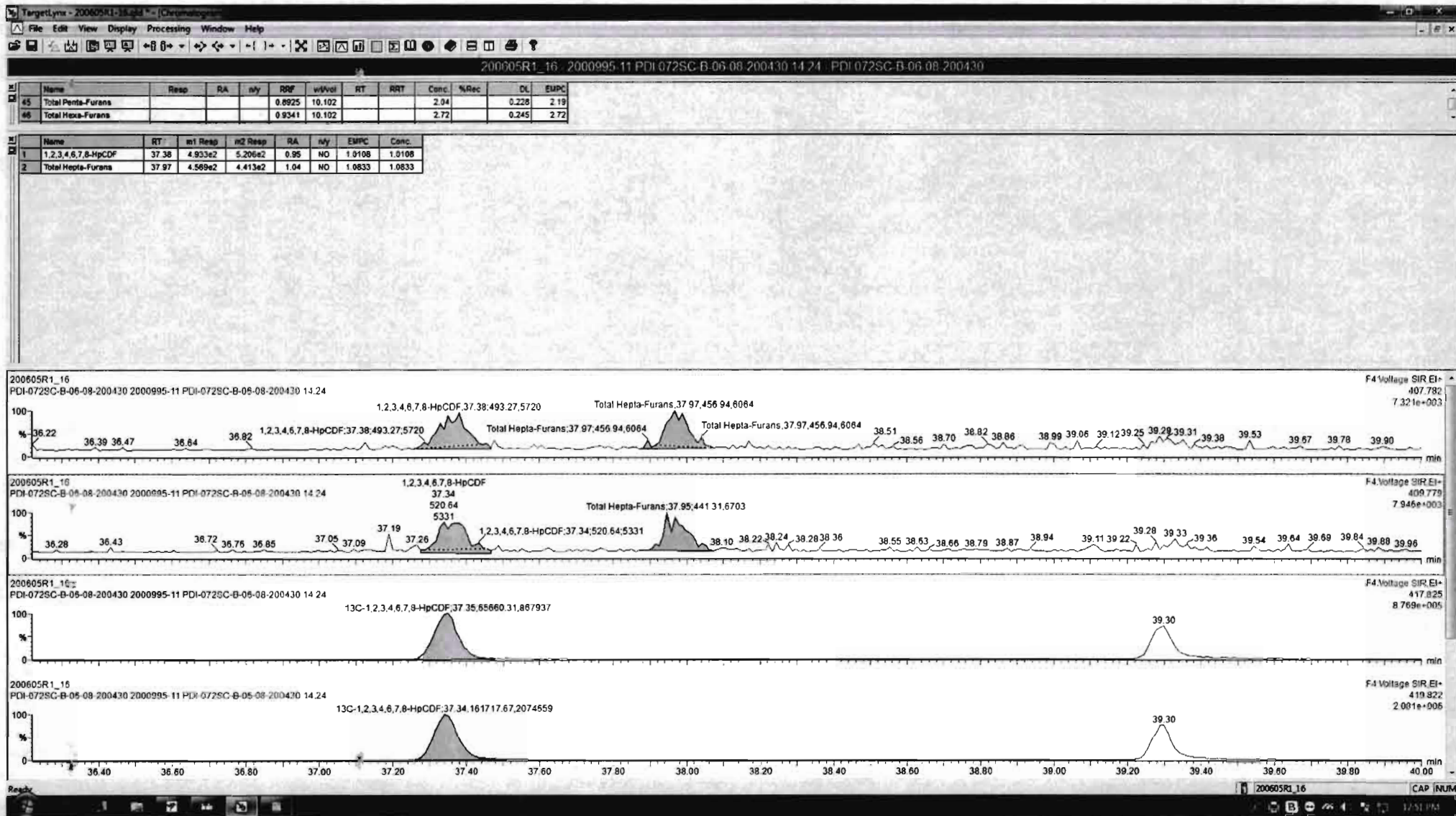


13C-1,2,3,4,6,7,8-HpCDF



DPE4

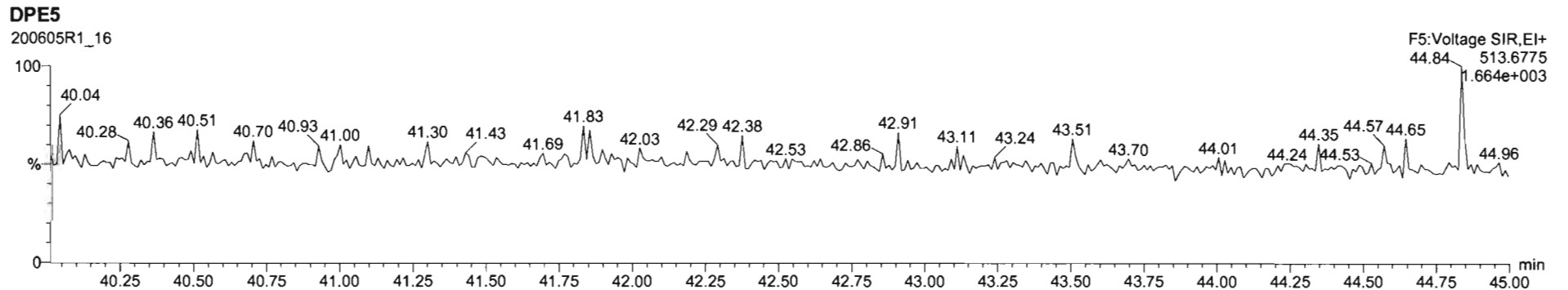
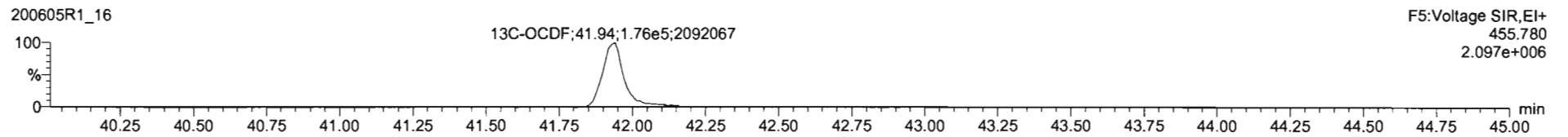
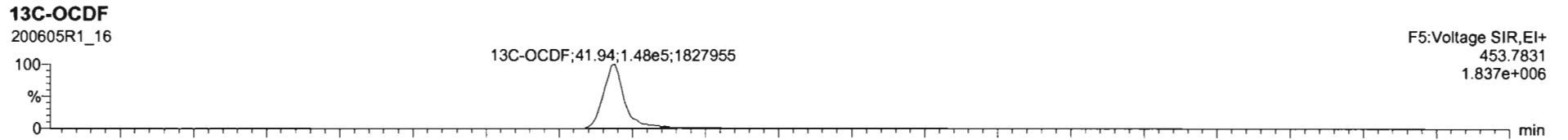
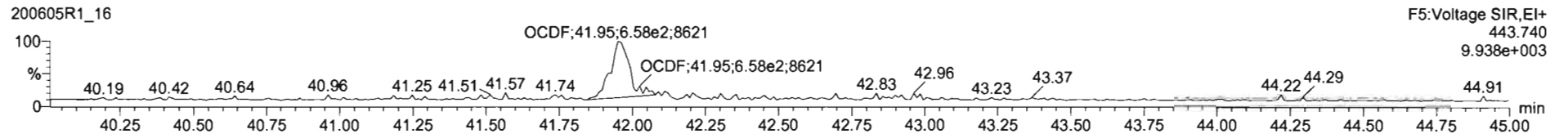
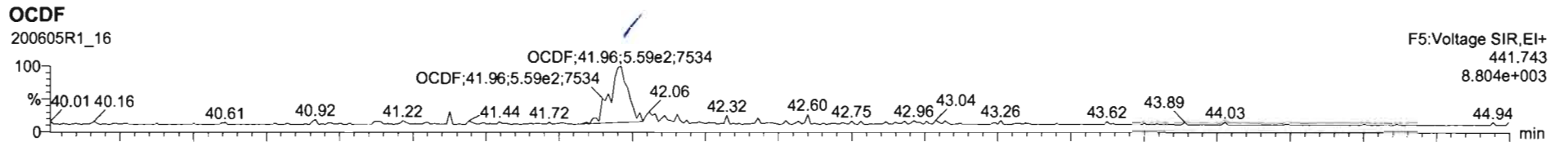


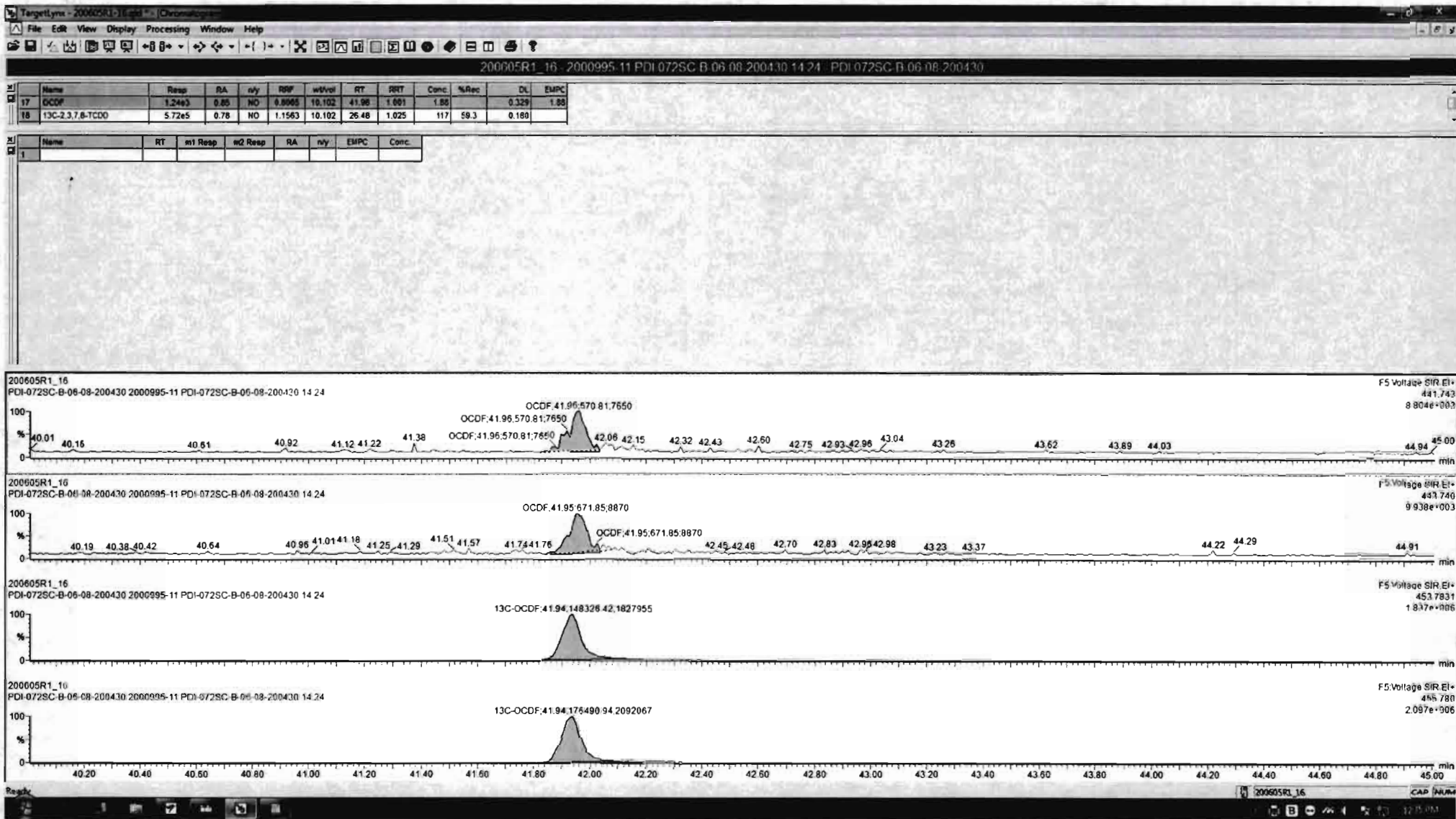


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Printed: Sunday, June 07, 2020 08:21:35 Pacific Daylight Time

Name: 200605R1_16, Date: 05-Jun-2020, Time: 21:27:28, ID: 2000995-11 PDI-072SC-B-06-08-200430 14.24, Description: PDI-072SC-B-06-08-200430





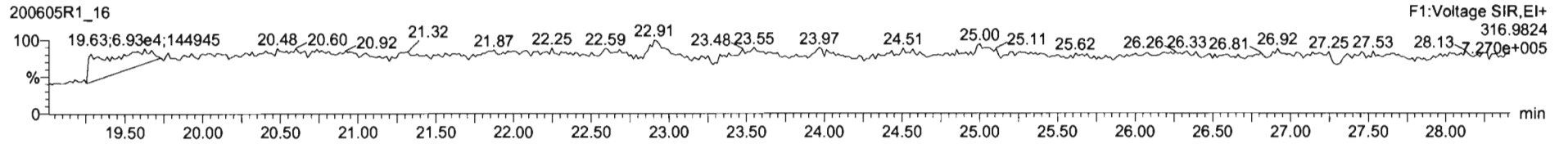
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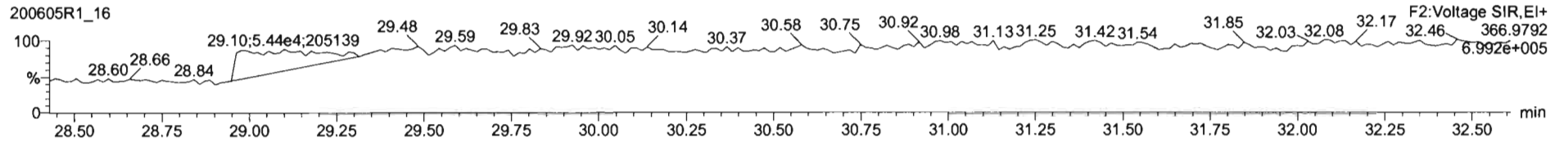
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Name: 200605R1_16, Date: 05-Jun-2020, Time: 21:27:28, ID: 2000995-11 PDI-072SC-B-06-08-200430 14.24, Description: PDI-072SC-B-06-08-200430

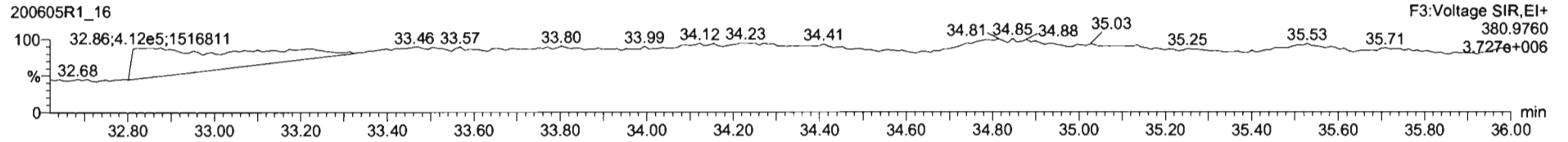
PFK1



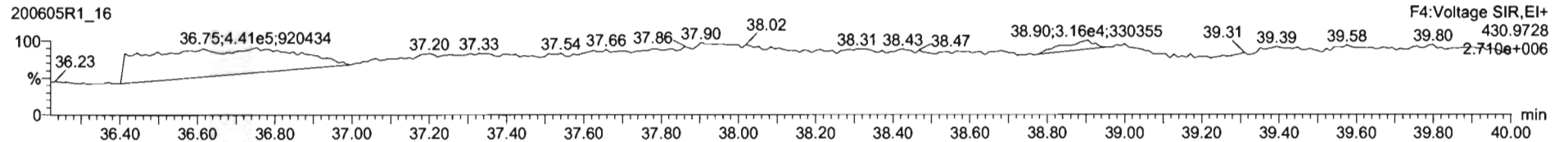
PFK2



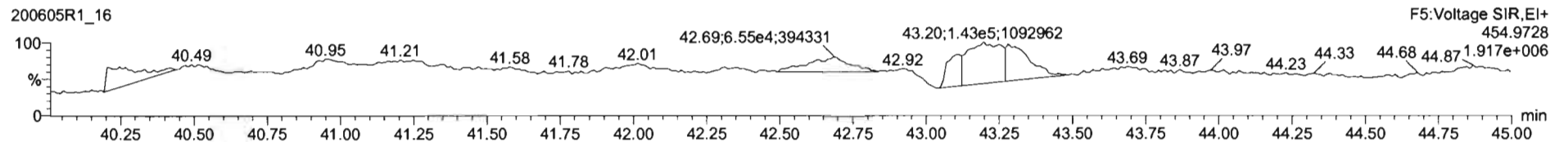
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\200605R2\200605R2-4.qld

Last Altered: Thursday, June 11, 2020 2:14:49 PM Pacific Daylight Time
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GRB 06/11/2020

C706/15/2020

Method: Untitled 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R2_4, Date: 06-Jun-2020, Time: 00:41:18, ID: 2000995-12 PDI-1072SC-B-02-04-200430 16.14, Description: PDI-1072SC-B-02-04-200430

#	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	2.25e3	0.67	NO	0.888	10.010	26.531	26.51	1.001	1.001	0.77152		0.112	0.772
2	2 1,2,3,7,8-PeCDD	2.60e3	0.57	NO	0.908	10.010	31.488	31.47	1.001	1.000	1.1913		0.121	1.19
3	3 1,2,3,4,7,8-HxCDD	2.55e3	1.19	NO	1.03	10.010	34.846	34.86	1.000	1.001	1.3749		0.313	1.37
4	4 1,2,3,6,7,8-HxCDD	1.82e4	1.26	NO	0.892	10.010	34.943	34.95	1.000	1.000	9.4830		0.349	9.48
5	5 1,2,3,7,8,9-HxCDD	6.24e3	1.41	NO	0.887	10.010	35.241	35.23	1.000	1.000	3.7907		0.411	3.79
6	6 1,2,3,4,6,7,8-HpCDD	3.57e5	1.04	NO	0.864	10.010	38.768	38.78	1.000	1.001	311.16		1.17	311
7	7 OCDD	2.94e6	0.88	NO	0.914	10.010	41.748	41.76	1.000	1.000	2614.8		1.40	2610
8	8 2,3,7,8-TCDF	1.28e5	0.74	NO	0.751	10.010	25.641	25.63	1.001	1.001	41.762	(38.5)	0.199	41.8
9	9 1,2,3,7,8-PeCDF	1.71e5	1.55	NO	0.893	10.010	30.205	30.20	1.001	1.001	53.721		0.311	53.7
10	10 2,3,4,7,8-PeCDF	7.58e4	1.54	NO	0.935	10.010	31.180	31.18	1.001	1.000	23.265		0.293	23.3
11	11 1,2,3,4,7,8-HxCDF	1.51e5	1.22	NO	0.884	10.010	33.963	33.97	1.000	1.000	83.362		0.433	83.4
12	12 1,2,3,6,7,8-HxCDF	4.18e4	1.24	NO	0.889	10.010	34.090	34.09	1.000	1.000	19.772		0.390	19.8
13	13 2,3,4,6,7,8-HxCDF	1.20e4	1.17	NO	0.934	10.010	34.701	34.69	1.001	1.001	5.9630		0.403	5.96
14	14 1,2,3,7,8,9-HxCDF	1.21e4	1.16	NO	0.871	10.010	35.582	35.65	1.000	1.002	7.7141		0.601	7.71
15	15 1,2,3,4,6,7,8-HpCDF	7.24e4	0.98	NO	0.873	10.010	37.387	37.37	1.001	1.001	58.054		0.663	58.1
16	16 1,2,3,4,7,8,9-HpCDF	1.34e4	0.96	NO	1.01	10.010	39.309	39.32	1.000	1.000	13.333		0.735	13.3
17	17 OCDF	1.52e5	0.90	NO	0.806	10.010	41.940	41.95	1.000	1.000	145.12		0.705	145
18	18 13C-2,3,7,8-TCDD	6.56e5	0.81	NO	1.16	10.010	26.538	26.50	1.026	1.025	154.24	77.2	0.172	
19	19 13C-1,2,3,7,8-PeCDD	4.79e5	0.62	NO	0.849	10.010	31.729	31.47	1.227	1.217	153.42	76.8	0.364	
20	20 13C-1,2,3,4,7,8-HxCDD	3.59e5	1.29	NO	0.779	10.010	34.841	34.84	1.014	1.014	156.71	78.4	0.497	
21	21 13C-1,2,3,6,7,8-HxCDD	4.30e5	1.25	NO	1.02	10.010	34.955	34.94	1.017	1.017	143.97	72.1	0.381	
22	22 13C-1,2,3,7,8,9-HxCDD	3.71e5	1.24	NO	0.903	10.010	35.226	35.23	1.025	1.025	139.86	70.0	0.429	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.65e5	1.00	NO	0.689	10.010	38.751	38.76	1.128	1.128	131.10	65.6	0.411	
24	24 13C-OCDD	4.92e5	0.89	NO	0.652	10.010	41.775	41.75	1.216	1.215	257.06	64.3	0.641	
25	25 13C-2,3,7,8-TCDF	8.14e5	0.76	NO	1.06	10.010	25.578	25.61	0.989	0.991	144.42	72.3	0.272	
26	26 13C-1,2,3,7,8-PeCDF	7.13e5	1.58	NO	0.838	10.010	30.111	30.18	1.165	1.167	159.67	79.9	0.618	
27	27 13C-2,3,4,7,8-PeCDF	6.96e5	1.57	NO	0.817	10.010	31.065	31.16	1.202	1.205	160.05	80.1	0.634	
28	28 13C-1,2,3,4,7,8-HxCDF	4.10e5	0.49	NO	1.01	10.010	33.972	33.96	0.989	0.989	138.56	69.4	0.643	
29	29 13C-1,2,3,6,7,8-HxCDF	4.75e5	0.51	NO	1.17	10.010	34.096	34.08	0.992	0.992	138.45	69.3	0.555	
30	30 13C-2,3,4,6,7,8-HxCDF	4.29e5	0.51	NO	1.02	10.010	34.670	34.67	1.009	1.009	143.02	71.6	0.634	
31	31 13C-1,2,3,7,8,9-HxCDF	3.60e5	0.49	NO	0.860	10.010	35.570	35.58	1.035	1.036	142.49	71.3	0.753	

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-4.qld

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Name: 200605R2_4, Date: 06-Jun-2020, Time: 00:41:18, ID: 2000995-12 PDI-1072SC-B-02-04-200430 16.14, Description: PDI-1072SC-B-02-04-200430

#	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	2.85e5	0.42	NO	0.774	10.010	37.319	37.35	1.086	1.087	125.49	62.8	0.511	
33	13C-1,2,3,4,7,8,9-HpCDF	1.98e5	0.40	NO	0.521	10.010	39.349	39.31	1.145	1.144	129.59	64.9	0.759	
34	13C-OCDF	5.19e5	0.92	NO	0.746	10.010	41.946	41.94	1.221	1.221	237.03	59.3	0.476	
35	37Cl-2,3,7,8-TCDD	2.38e5			1.04	10.010	26.569	26.53	1.028	1.026	62.493	78.2	0.0852	
36	13C-1,2,3,4-TCDD	7.35e5	0.80	NO	1.00	10.010	25.890	25.85	1.000	1.000	199.79	100	0.199	
37	13C-1,2,3,4-TCDF	1.06e6	0.78	NO	1.00	10.010	24.360	24.18	1.000	1.000	199.79	100	0.288	
38	13C-1,2,3,4,6,9-HxCDF	5.87e5	0.50	NO	1.00	10.010	34.420	34.36	1.000	1.000	199.79	100	0.647	
39	Total Tetra-Dioxins				0.888	10.010	24.620		0.000		6.4481		0.112	6.62
40	Total Penta-Dioxins				0.908	10.010	29.960		0.000		10.728		0.121	12.6
41	Total Hexa-Dioxins				0.892	10.010	33.635		0.000		98.578		0.372	98.6
42	Total Hepta-Dioxins				0.864	10.010	37.640		0.000		719.03		1.17	719
43	Total Tetra-Furans				0.751	10.010	23.610		0.000		109.43		0.199	116
44	1st Func. Penta-Furans				0.893	10.010	27.580		0.000		13.551		0.0327	13.6
45	Total Penta-Furans				0.893	10.010	29.275		0.000		134.23		0.309	138
46	Total Hexa-Furans				0.934	10.010	33.555		0.000		174.63		0.429	175
47	Total Hepta-Furans				0.873	10.010	37.835		0.000		189.08		0.741	189

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Dataset: U:\VG12.PRO\Results\200605R2\200605R2-4.qld

Last Altered: Thursday, June 11, 2020 2:14:49 PM Pacific Daylight Time

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Method: Untitled 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R2_4, Date: 06-Jun-2020, Time: 00:41:18, ID: 2000995-12 PDI-1072SC-B-02-04-200430 16.14, Description: PDI-1072SC-B-02-04-200430

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.50	1.598e4	2.215e4	1.589e3	2.096e3	0.76	NO	3.685e3	1.2628	1.2628	0.112
2	Total Tetra-Dioxins	22.97	8.622e3	1.305e4	8.697e2	1.117e3	0.78	NO	1.987e3	0.68088	0.68088	0.112
3	Total Tetra-Dioxins	23.46	6.647e3	7.063e3	5.638e2	6.931e2	0.81	NO	1.257e3	0.43072	0.43072	0.112
4	Total Tetra-Dioxins	24.33	5.762e3	7.718e3	4.795e2	5.449e2	0.88	NO	1.024e3	0.35105	0.35105	0.112
5	Total Tetra-Dioxins	24.61	4.827e3	6.938e3	4.964e2	7.047e2	0.70	NO	1.201e3	0.41161	0.41161	0.112
6	Total Tetra-Dioxins	24.81	1.292e4	1.410e4	8.161e2	9.599e2	0.85	NO	1.776e3	0.60864	0.60864	0.112
7	Total Tetra-Dioxins	25.05	4.401e3	3.225e3	3.308e2	2.783e2	1.19	YES	0.000e0	0.00000	0.16881	0.112
8	Total Tetra-Dioxins	25.30	3.843e3	5.689e3	2.739e2	3.834e2	0.71	NO	6.573e2	0.22526	0.22526	0.112
9	Total Tetra-Dioxins	25.47	4.759e3	6.408e3	3.141e2	4.069e2	0.77	NO	7.210e2	0.24709	0.24709	0.112
10	Total Tetra-Dioxins	25.80	3.515e3	6.239e3	3.161e2	4.480e2	0.71	NO	7.641e2	0.26186	0.26186	0.112
11	Total Tetra-Dioxins	26.27	1.602e4	2.370e4	1.155e3	1.636e3	0.71	NO	2.791e3	0.95632	0.95632	0.112
12	2,3,7,8-TCDD	26.51	1.033e4	1.974e4	9.004e2	1.351e3	0.67	NO	2.251e3	0.77152	0.77152	0.112
13	Total Tetra-Dioxins	26.84	6.181e3	6.183e3	3.010e2	4.006e2	0.75	NO	7.016e2	0.24042	0.24042	0.112

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.27	4.666e4	6.365e4	3.188e3	5.243e3	0.61	NO	8.431e3	3.8703	3.8703	0.121
2	Total Penta-Dioxins	29.74	1.589e4	2.699e4	8.922e2	1.308e3	0.68	NO	2.200e3	1.0099	1.0099	0.121
3	Total Penta-Dioxins	30.23	2.175e4	3.025e4	1.339e3	2.028e3	0.66	NO	3.367e3	1.5456	1.5456	0.121
4	Total Penta-Dioxins	30.41	1.871e4	3.300e4	9.774e2	1.527e3	0.64	NO	2.504e3	1.1496	1.1496	0.121
5	Total Penta-Dioxins	30.49	1.388e4	1.832e4	6.558e2	1.119e3	0.59	NO	1.775e3	0.81490	0.81490	0.121
6	Total Penta-Dioxins	30.70	2.190e4	3.735e4	8.173e2	1.452e3	0.56	NO	0.000e0	0.00000	1.0418	0.121
7	Total Penta-Dioxins	30.73	1.661e4	2.102e4	7.429e2	1.096e3	0.68	NO	0.000e0	0.00000	0.84427	0.121
8	Total Penta-Dioxins	31.05	5.406e3	7.949e3	2.911e2	4.391e2	0.66	NO	7.302e2	0.33522	0.33522	0.121
9	1,2,3,7,8-PeCDD	31.47	2.003e4	2.833e4	9.408e2	1.654e3	0.57	NO	2.595e3	1.1913	1.1913	0.121
10	Total Penta-Dioxins	31.57	6.148e3	8.053e3	3.377e2	4.703e2	0.72	NO	8.080e2	0.37093	0.37093	0.121
11	Total Penta-Dioxins	31.85	8.005e3	1.684e4	3.570e2	6.026e2	0.59	NO	9.596e2	0.44049	0.44049	0.121

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Dataset: U:\VG12.PRO\Results\200605R2\200605R2-4.qld

Last Altered: Thursday, June 11, 2020 2:14:49 PM Pacific Daylight Time

Printed: Thursday, June 11, 2020 2:15:24 PM Pacific Daylight Time

Name: 200605R2_4, Date: 06-Jun-2020, Time: 00:41:18, ID: 2000995-12 PDI-1072SC-B-02-04-200430 16.14, Description: PDI-1072SC-B-02-04-200430

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.35	7.116e5	5.691e5	3.518e4	2.859e4	1.23	NO	6.377e4	36.951	36.951	0.372
2	Total Hexa-Dioxins	33.90	5.709e4	4.617e4	3.134e3	2.448e3	1.28	NO	5.582e3	3.2343	3.2343	0.372
3	Total Hexa-Dioxins	34.17	5.370e5	4.443e5	3.782e4	3.045e4	1.24	NO	6.827e4	39.557	39.557	0.372
4	Total Hexa-Dioxins	34.27	5.300e4	3.743e4	2.908e3	2.248e3	1.29	NO	5.156e3	2.9874	2.9874	0.372
5	1,2,3,4,7,8-HxCDD	34.86	2.661e4	2.104e4	1.384e3	1.166e3	1.19	NO	2.550e3	1.3749	1.3749	0.313
6	1,2,3,6,7,8-HxCDD	34.95	1.587e5	1.203e5	1.015e4	8.058e3	1.26	NO	1.821e4	9.4830	9.4830	0.349
7	Total Hexa-Dioxins	35.15	2.523e4	1.690e4	1.176e3	8.955e2	1.31	NO	2.071e3	1.2002	1.2002	0.372
8	1,2,3,7,8,9-HxCDD	35.23	5.117e4	4.086e4	3.650e3	2.590e3	1.41	NO	6.240e3	3.7907	3.7907	0.411

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.76	3.107e6	2.987e6	2.405e5	2.275e5	1.06	NO	4.681e5	407.87	407.87	1.17
2	1,2,3,4,6,7,8-HpCDD	38.78	2.499e6	2.448e6	1.816e5	1.755e5	1.04	NO	3.571e5	311.16	311.16	1.17

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-4.qld

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Name: 200605R2_4, Date: 06-Jun-2020, Time: 00:41:18, ID: 2000995-12 PDI-1072SC-B-02-04-200430 16.14, Description: PDI-1072SC-B-02-04-200430

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.90	1.516e4	2.357e4	1.267e3	1.852e3	0.68	NO	3.119e3	1.0190	1.0190	0.199
2	Total Tetra-Furans	21.51	1.043e5	1.338e5	8.747e3	1.198e4	0.73	NO	2.073e4	6.7707	6.7707	0.199
3	Total Tetra-Furans	22.02	1.359e4	1.737e4	1.147e3	1.424e3	0.81	NO	0.000e0	0.00000	0.83969	0.199
4	Total Tetra-Furans	22.10	2.272e4	2.881e4	2.322e3	3.318e3	0.70	NO	5.640e3	1.8423	1.8423	0.199
5	Total Tetra-Furans	22.49	1.111e5	1.471e5	1.102e4	1.445e4	0.76	NO	2.547e4	8.3202	8.3202	0.199
6	Total Tetra-Furans	22.97	3.771e4	5.338e4	3.709e3	5.101e3	0.73	NO	8.810e3	2.8779	2.8779	0.199
7	Total Tetra-Furans	23.13	1.499e4	1.961e4	1.341e3	1.874e3	0.72	NO	3.215e3	1.0501	1.0501	0.199
8	Total Tetra-Furans	23.34	2.450e4	3.317e4	2.273e3	3.221e3	0.71	NO	5.494e3	1.7947	1.7947	0.199
9	Total Tetra-Furans	23.80	6.159e3	6.177e3	5.286e2	6.151e2	0.86	NO	0.000e0	0.00000	0.37361	0.199
10	Total Tetra-Furans	23.91	1.197e4	1.320e4	8.828e2	1.074e3	0.82	NO	1.957e3	0.63935	0.63935	0.199
11	Total Tetra-Furans	24.09	4.126e4	4.851e4	2.948e3	3.797e3	0.78	NO	0.000e0	0.00000	2.2033	0.199
12	Total Tetra-Furans	24.19	6.111e4	8.247e4	6.127e3	8.556e3	0.72	NO	1.468e4	4.7968	4.7968	0.199
13	Total Tetra-Furans	24.69	4.706e5	6.635e5	3.814e4	5.150e4	0.74	NO	8.964e4	29.282	29.282	0.199
14	Total Tetra-Furans	24.79	1.176e4	1.670e4	8.177e2	1.002e3	0.82	NO	1.820e3	0.59457	0.59457	0.199
15	Total Tetra-Furans	24.99	2.426e4	3.319e4	1.765e3	2.074e3	0.85	NO	3.839e3	1.2542	1.2542	0.199
16	Total Tetra-Furans	25.21	5.089e3	6.932e3	4.861e2	5.562e2	0.87	NO	1.042e3	0.34048	0.34048	0.199
17	Total Tetra-Furans	25.42	8.596e3	1.444e4	5.740e2	8.326e2	0.69	NO	1.407e3	0.45952	0.45952	0.199
18	Total Tetra-Furans	25.51	6.867e4	8.157e4	3.623e3	4.651e3	0.78	NO	8.274e3	2.7028	2.7028	0.199
19	2,3,7,8-TCDF	25.63	7.281e5	9.729e5	5.446e4	7.338e4	0.74	NO	1.278e5	41.762	41.762	0.199
20	Total Tetra-Furans	25.74	1.396e4	2.344e4	1.194e3	1.747e3	0.68	NO	2.941e3	0.96078	0.96078	0.199
21	Total Tetra-Furans	26.00	5.367e4	6.261e4	3.334e3	4.670e3	0.71	NO	8.004e3	2.6147	2.6147	0.199
22	Total Tetra-Furans	26.26	8.369e3	8.608e3	4.915e2	5.708e2	0.86	NO	1.062e3	0.34701	0.34701	0.199
23	Total Tetra-Furans	27.64	7.323e4	7.822e4	4.962e3	5.240e3	0.95	YES	0.000e0	0.00000	3.0300	0.199

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	27.61	4.086e5	2.553e5	2.627e4	1.636e4	1.61	NO	4.263e4	13.551	13.551	0.0327

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Dataset: U:\VG12.PRO\Results\200605R2\200605R2-4.qld

Last Altered: Thursday, June 11, 2020 2:14:49 PM Pacific Daylight Time

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Name: 200605R2_4, Date: 06-Jun-2020, Time: 00:41:18, ID: 2000995-12 PDI-1072SC-B-02-04-200430 16.14, Description: PDI-1072SC-B-02-04-200430

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.07	5.135e4	3.177e4	2.845e3	1.860e3	1.53	NO	4.705e3	1.4956	1.4956	0.309
2	Total Penta-Furans	29.21	7.891e5	5.113e5	4.764e4	3.105e4	1.53	NO	7.869e4	25.012	25.012	0.309
3	Total Penta-Furans	29.27	6.540e4	5.226e4	2.790e3	1.900e3	1.47	NO	4.691e3	1.4910	1.4910	0.309
4	Total Penta-Furans	29.79	1.073e5	6.125e4	6.131e3	3.608e3	1.70	NO	0.000e0	0.00000	3.0956	0.309
5	Total Penta-Furans	29.83	3.315e4	2.142e4	1.157e3	6.905e2	1.68	NO	0.000e0	0.00000	0.58729	0.309
6	Total Penta-Furans	30.00	1.542e5	9.142e4	7.989e3	5.109e3	1.56	NO	1.310e4	4.1634	4.1634	0.309
7	1,2,3,7,8-PeCDF	30.20	1.831e6	1.166e6	1.040e5	6.694e4	1.55	NO	1.710e5	53.721	53.721	0.311
8	Total Penta-Furans	30.28	6.552e4	4.601e4	2.957e3	2.035e3	1.45	NO	4.992e3	1.5867	1.5867	0.309
9	Total Penta-Furans	30.46	5.507e5	3.490e5	3.028e4	1.939e4	1.56	NO	4.968e4	15.790	15.790	0.309
10	Total Penta-Furans	31.05	1.743e4	1.425e4	8.649e2	6.172e2	1.40	NO	1.482e3	0.47112	0.47112	0.309
11	2,3,4,7,8-PeCDF	31.18	8.874e5	5.871e5	4.587e4	2.988e4	1.54	NO	7.575e4	23.265	23.265	0.293
12	Total Penta-Furans	31.21	4.816e5	2.761e5	1.204e4	7.213e3	1.67	NO	1.925e4	6.1202	6.1202	0.309
13	Total Penta-Furans	32.12	3.782e4	3.040e4	2.240e3	1.271e3	1.76	NO	3.511e3	1.1159	1.1159	0.309

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.79	1.130e5	9.476e4	5.720e3	4.782e3	1.20	NO	1.050e4	5.3683	5.3683	0.429
2	Total Hexa-Furans	32.96	4.686e5	3.774e5	2.285e4	1.934e4	1.18	NO	4.220e4	21.569	21.569	0.429
3	Total Hexa-Furans	33.33	8.843e3	1.059e4	5.539e2	4.357e2	1.27	NO	9.896e2	0.50585	0.50585	0.429
4	Total Hexa-Furans	33.51	6.136e5	5.104e5	2.990e4	2.557e4	1.17	NO	5.547e4	28.354	28.354	0.429
5	Total Hexa-Furans	33.87	2.236e4	1.651e4	9.568e2	7.522e2	1.27	NO	1.709e3	0.87361	0.87361	0.429
6	1,2,3,4,7,8-HxCDF	33.97	1.543e6	1.242e6	8.309e4	6.823e4	1.22	NO	1.513e5	83.362	83.362	0.433
7	1,2,3,6,7,8-HxCDF	34.09	3.803e5	3.245e5	2.309e4	1.867e4	1.24	NO	4.176e4	19.772	19.772	0.390
8	2,3,4,6,7,8-HxCDF	34.69	1.166e5	9.939e4	6.458e3	5.510e3	1.17	NO	1.197e4	5.9630	5.9630	0.403
9	1,2,3,7,8,9-HxCDF	35.65	1.158e5	8.827e4	6.486e3	5.609e3	1.16	NO	1.209e4	7.7141	7.7141	0.601
10	Total Hexa-Furans	35.67	5.725e4	4.923e4	1.262e3	9.921e2	1.27	NO	2.254e3	1.1523	1.1523	0.429

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-4.qld

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Name: 200605R2_4, Date: 06-Jun-2020, Time: 00:41:18, ID: 2000995-12 PDI-1072SC-B-02-04-200430 16.14, Description: PDI-1072SC-B-02-04-200430

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	37.37	4.846e5	5.171e5	3.590e4	3.655e4	0.98	NO	7.245e4	58.054	58.054	0.663
2	Total Hepta-Furans	37.76	8.503e3	1.029e4	6.345e2	6.234e2	1.02	NO	1.258e3	1.1895	1.1895	0.741
3	Total Hepta-Furans	37.99	8.221e5	8.161e5	6.180e4	6.140e4	1.01	NO	1.232e5	116.50	116.50	0.741
4	1,2,3,4,7,8,9-HpCDF	39.32	1.036e5	1.136e5	6.560e3	6.845e3	0.96	NO	1.340e4	13.333	13.333	0.735

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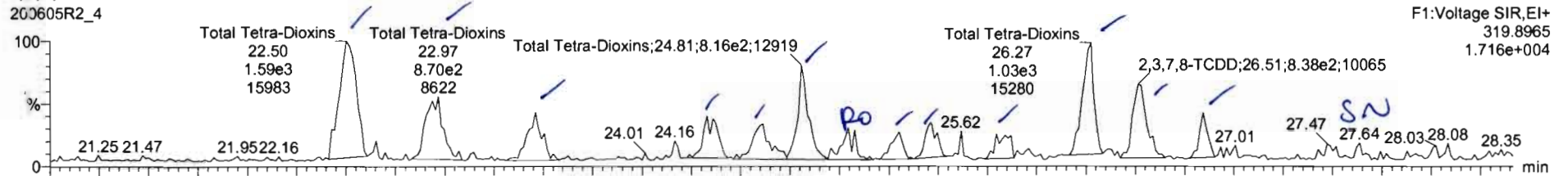
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Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

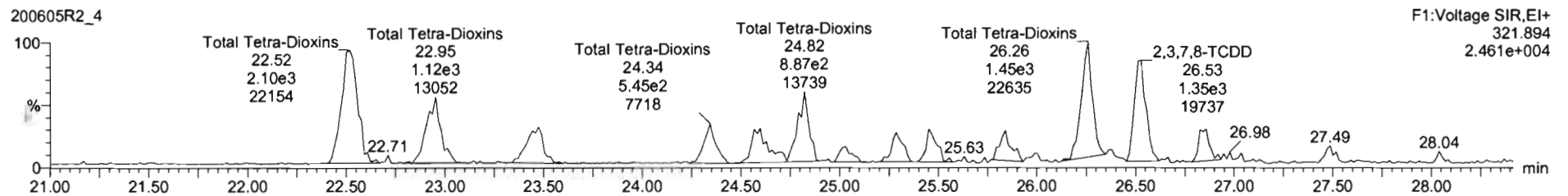
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2,3,7,8-TCDD

200605R2_4

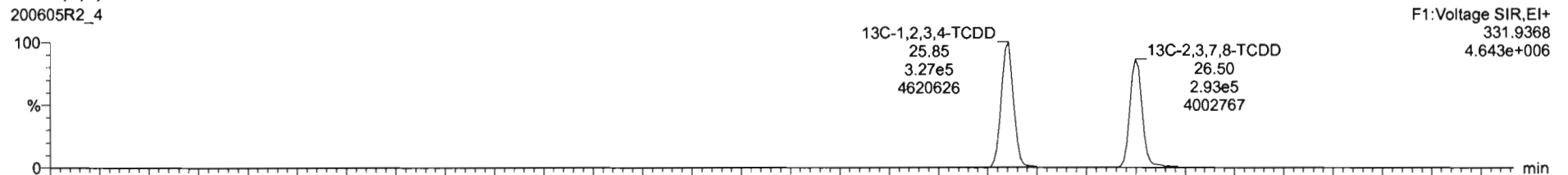


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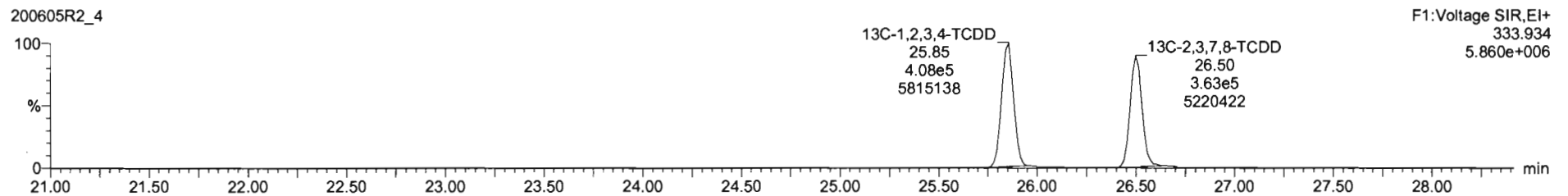


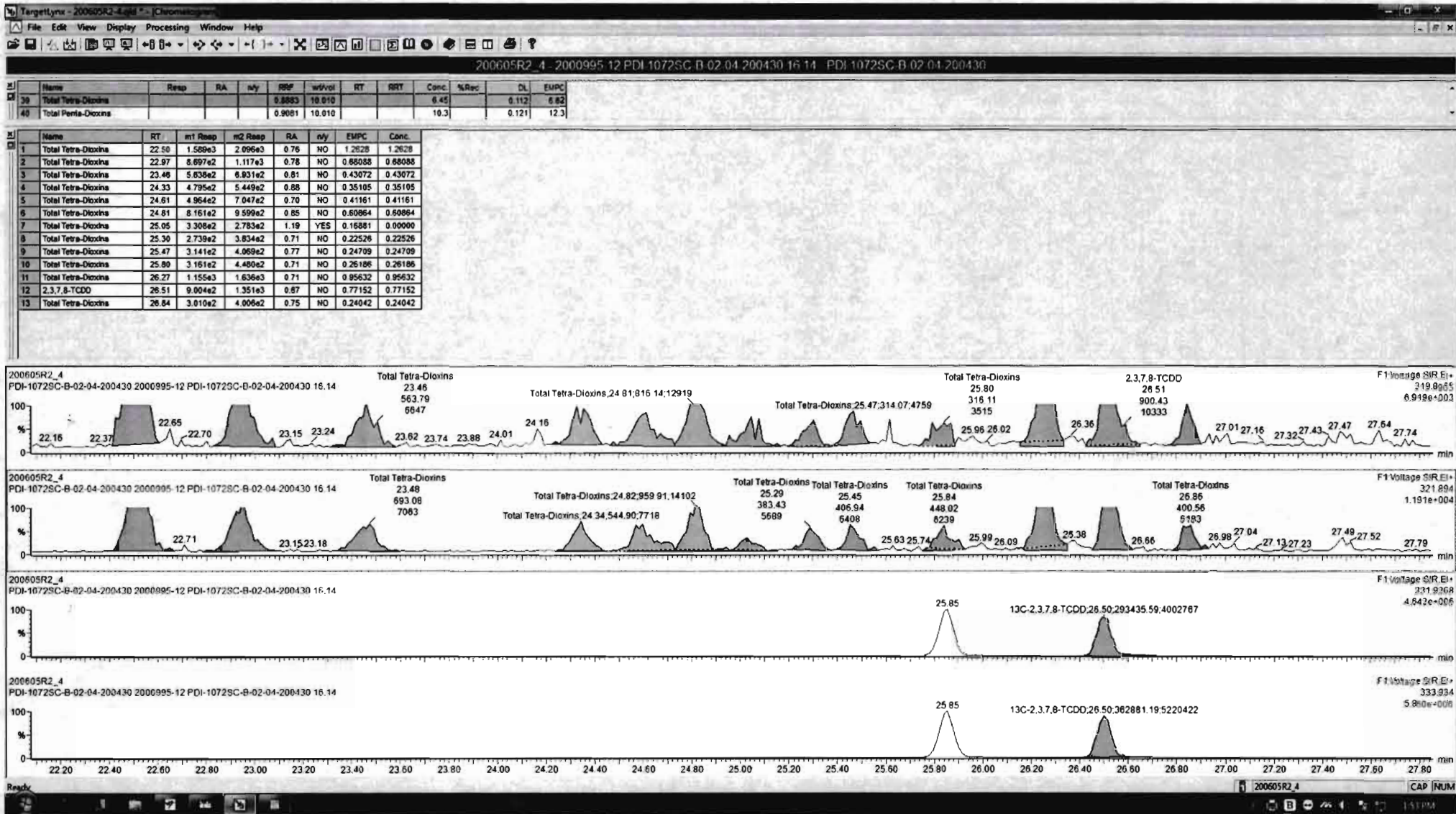
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200605R2_4





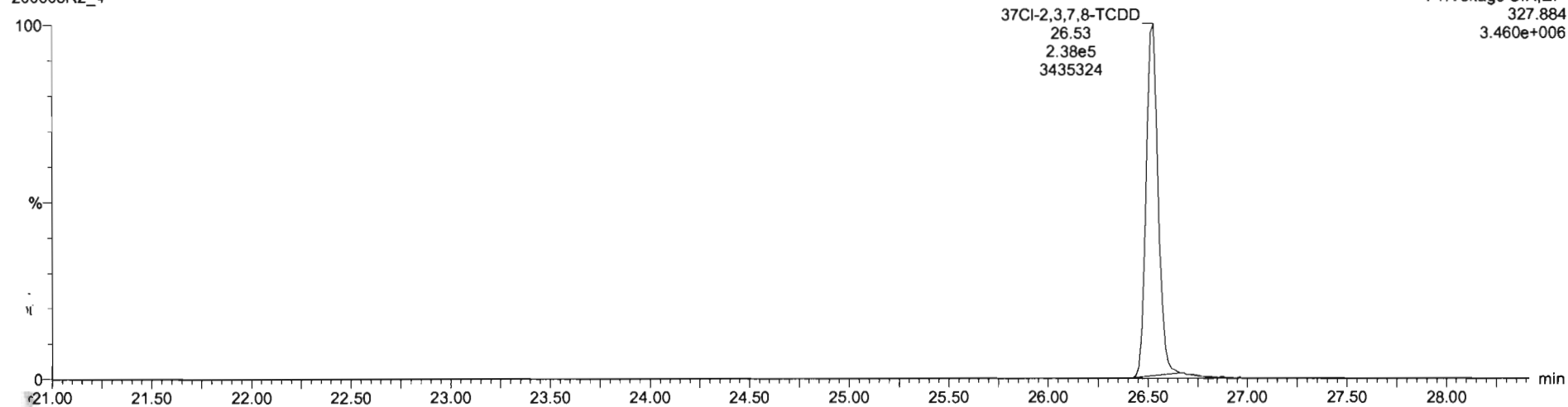
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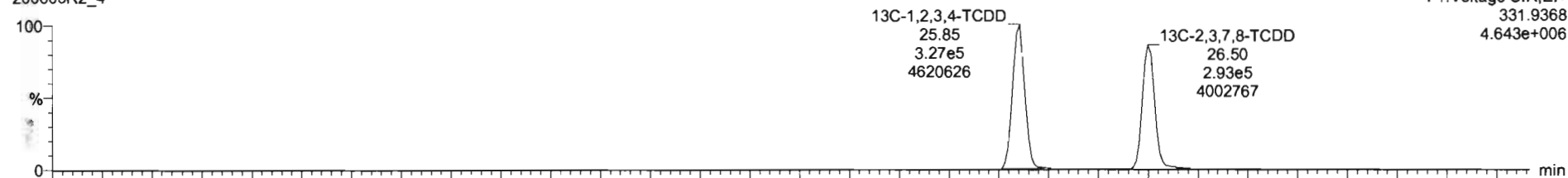
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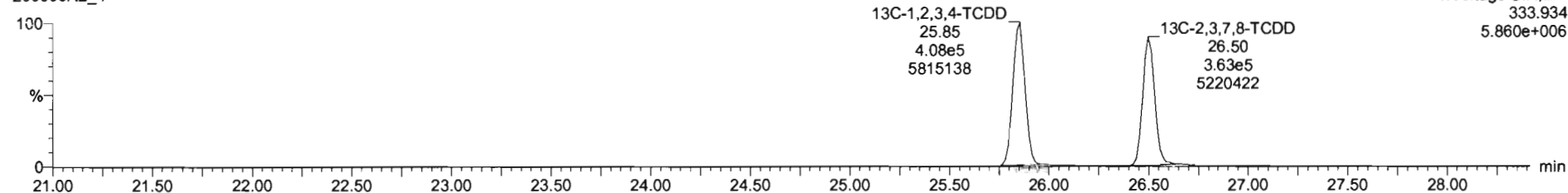


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200605R2_4

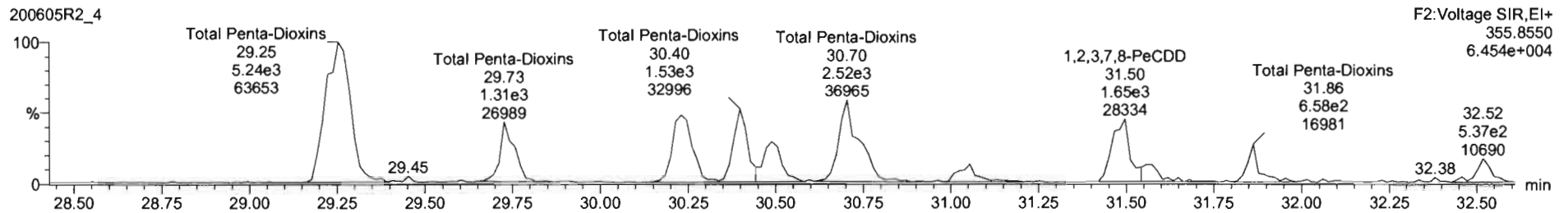
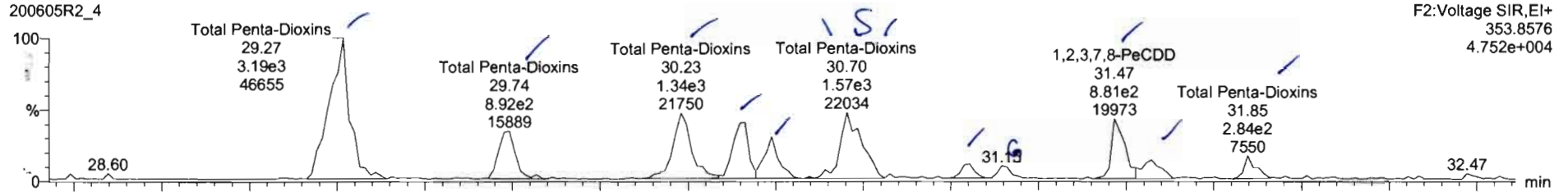


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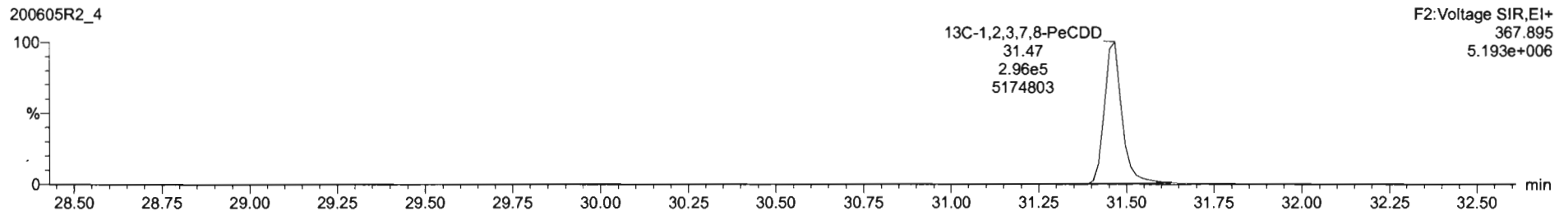
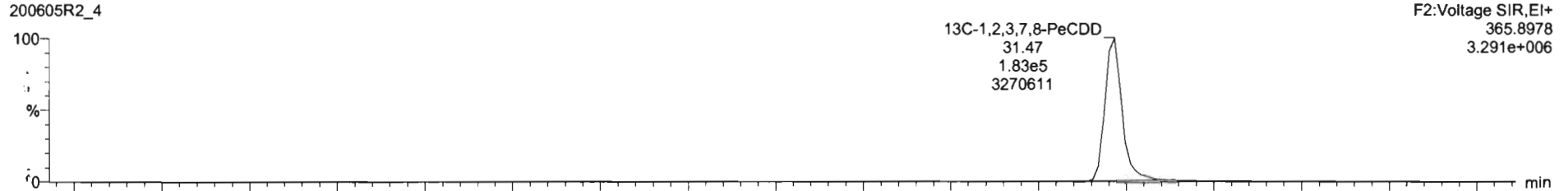
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Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_4, Date: 06-Jun-2020, Time: 00:41:18, ID: 2000995-12 PDI-1072SC-B-02-04-200430 16.14, Description: PDI-1072SC-B-02-04-200430

1,2,3,7,8-PeCDD



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



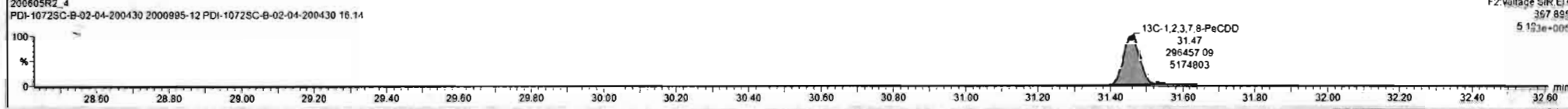
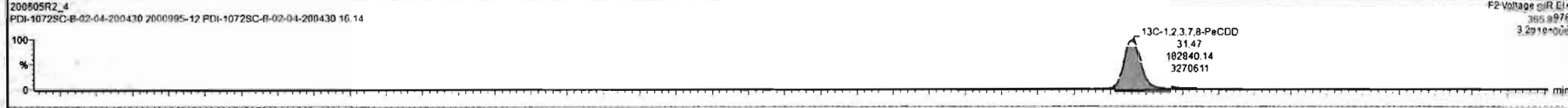
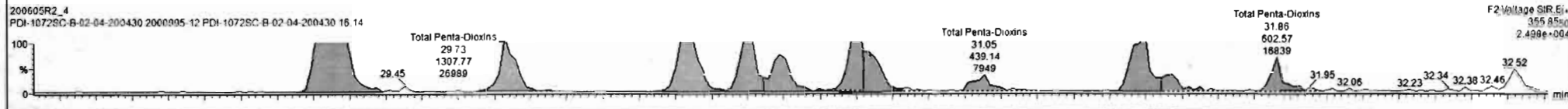
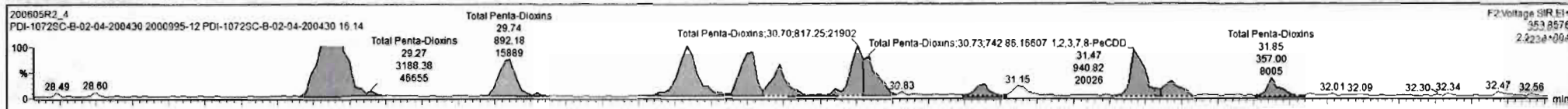
TargetLynx - 200605R2_4.d - Chromatogram

File Edit View Display Processing Window Help

200605R2_4 - 2000995 12 PDI-1072SC-B-02-04-200430 16 14 PDI-1072SC-B-02-04-200430

#	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
39	Total Tetra-Dioxins				0.8883	10.010			6.45		0.112	6.52
40	Total Penta-Dioxins				0.9081	10.010			10.7		0.121	12.8

#	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1	Total Penta-Dioxins	29.27	3.185e3	5.243e3	0.61	NO	3.8703	3.8703
2	Total Penta-Dioxins	29.74	8.922e2	1.308e3	0.68	NO	1.0099	1.0099
3	Total Penta-Dioxins	30.23	1.339e3	2.028e3	0.66	NO	1.5456	1.5456
4	Total Penta-Dioxins	30.41	9.774e2	1.527e3	0.64	NO	1.1496	1.1496
5	Total Penta-Dioxins	30.49	6.556e2	1.119e3	0.59	NO	0.81490	0.81490
6	Total Penta-Dioxins	30.70	8.173e2	1.452e3	0.56	NO	1.0418	0.00000
7	Total Penta-Dioxins	30.73	7.429e2	1.096e3	0.68	NO	0.84427	0.00000
8	Total Penta-Dioxins	31.05	2.911e2	4.391e2	0.66	NO	0.33522	0.33522
9	1,2,3,7,8-PeCDD	31.47	9.408e2	1.854e3	0.57	NO	1.1913	1.1913
10	Total Penta-Dioxins	31.57	3.377e2	4.703e2	0.72	NO	0.37093	0.37093
11	Total Penta-Dioxins	31.85	3.570e2	6.026e2	0.59	NO	0.44049	0.44049



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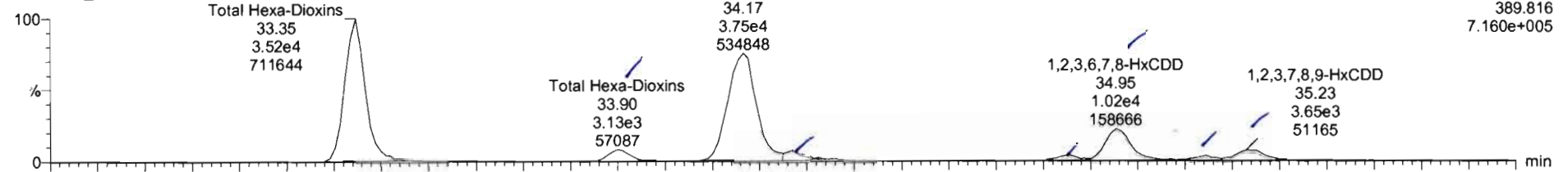
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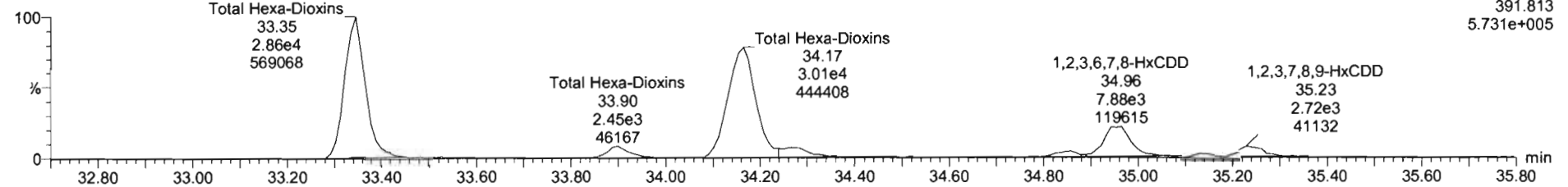
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1,2,3,4,7,8-HxCDD

200605R2_4

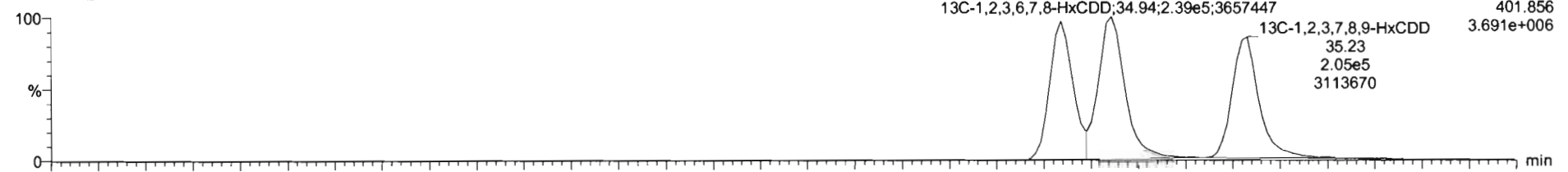


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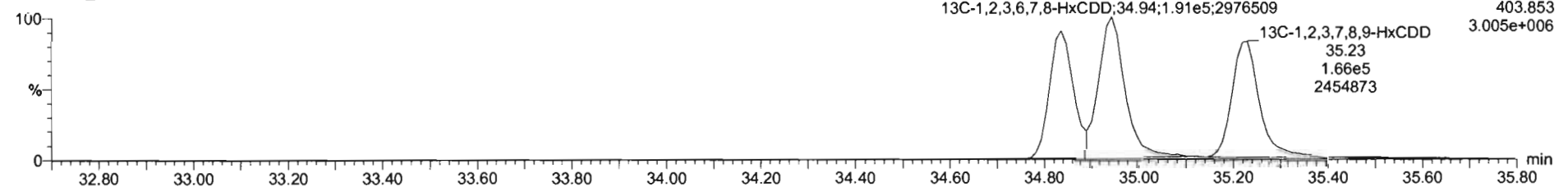


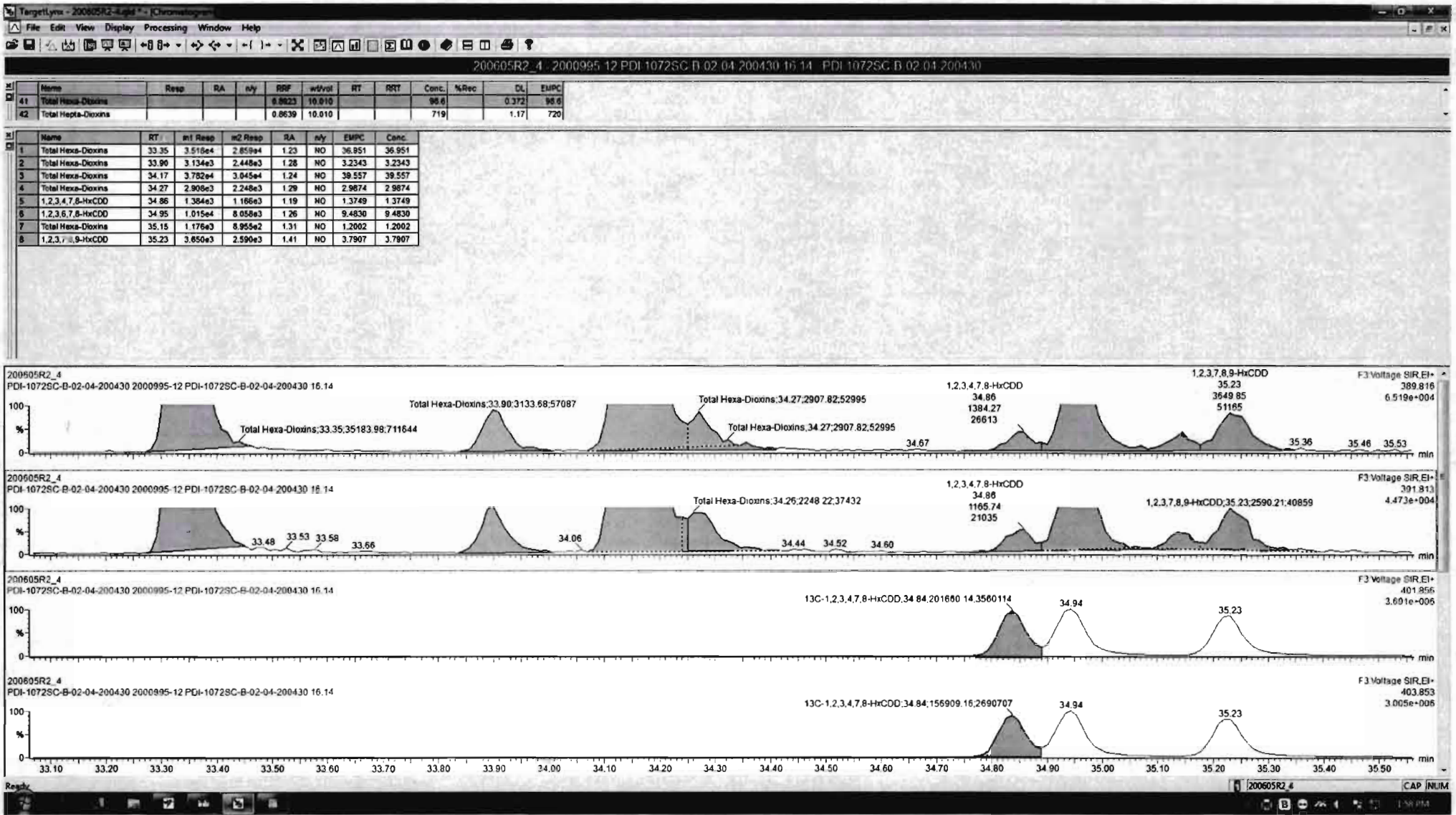
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200605R2_4



200605R2_4





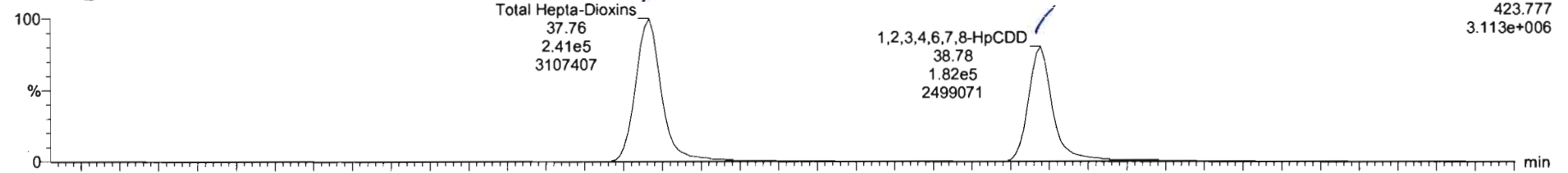
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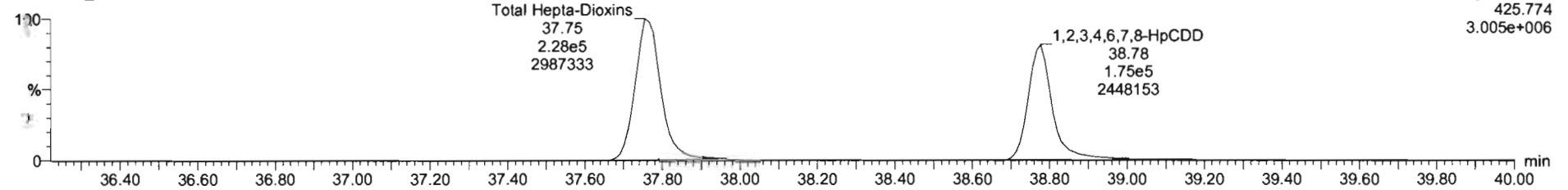
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1,2,3,4,6,7,8-HpCDD

200605R2_4

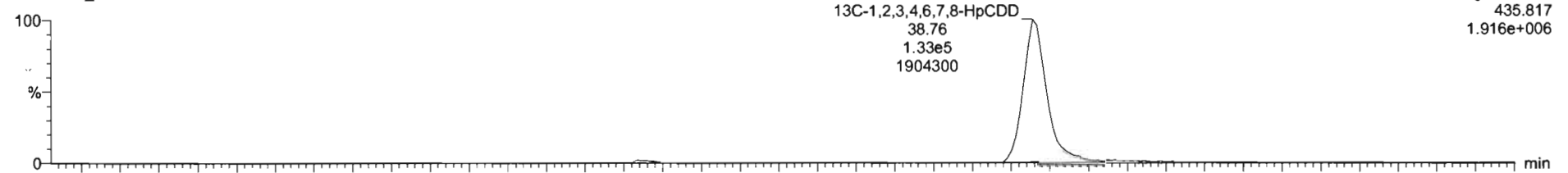


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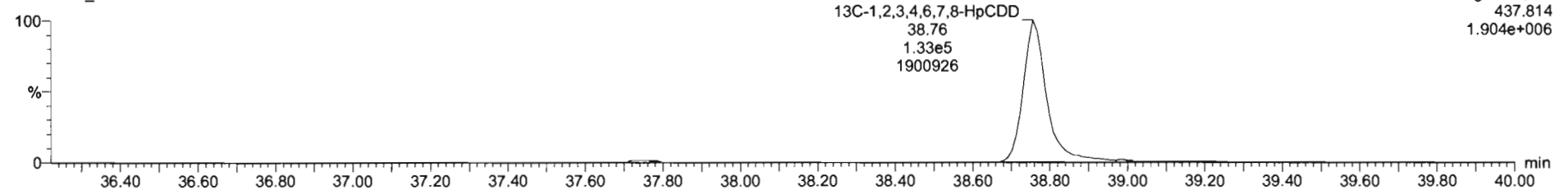


13C-1,2,3,4,6,7,8-HpCDD

200605R2_4



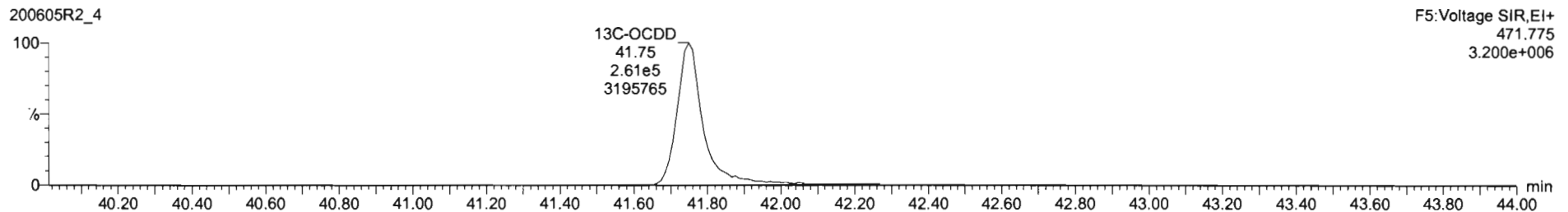
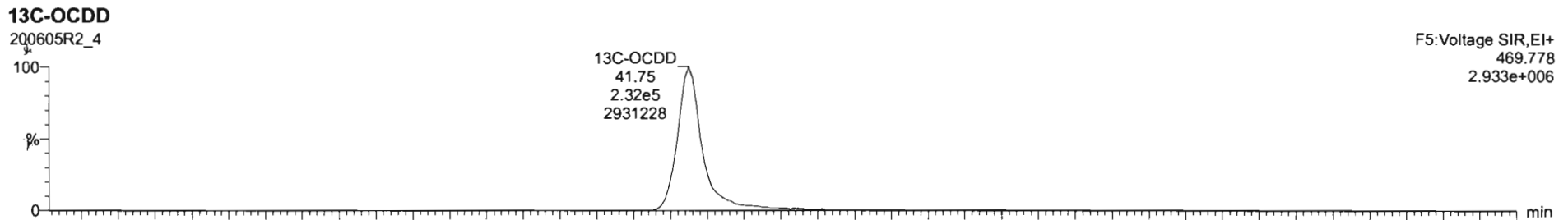
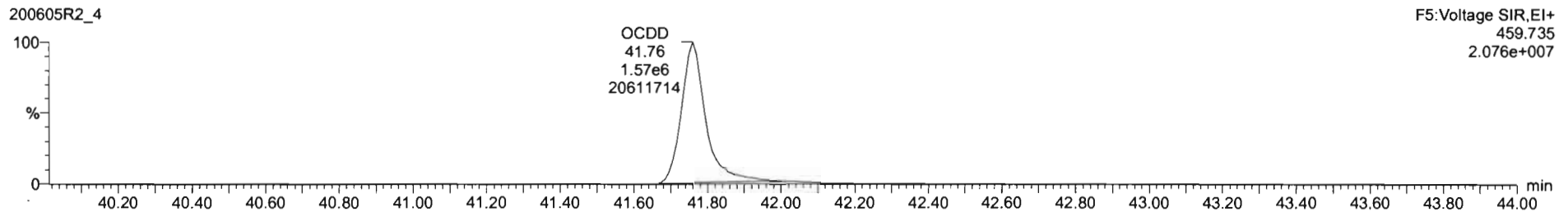
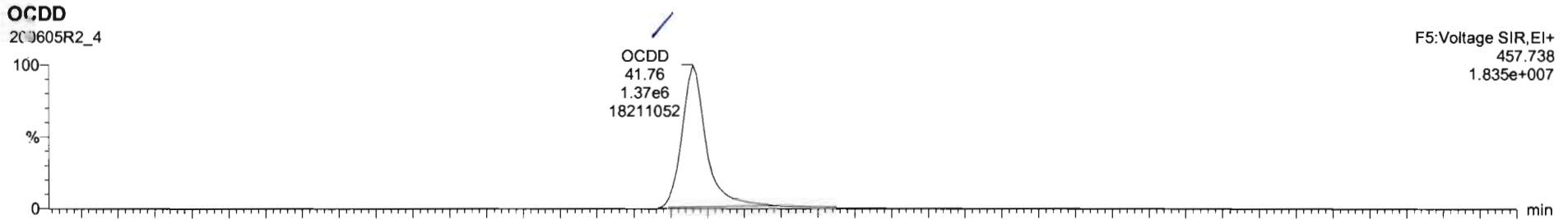
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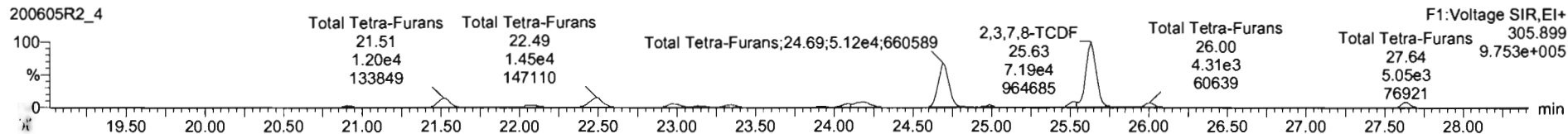
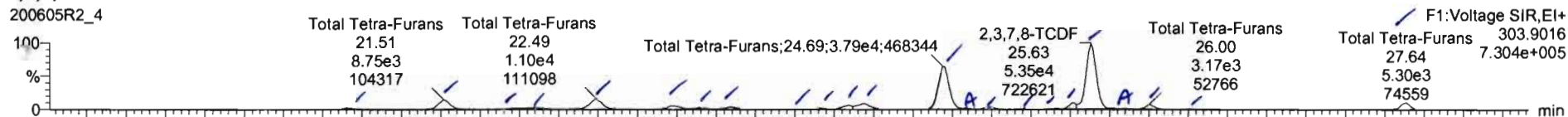


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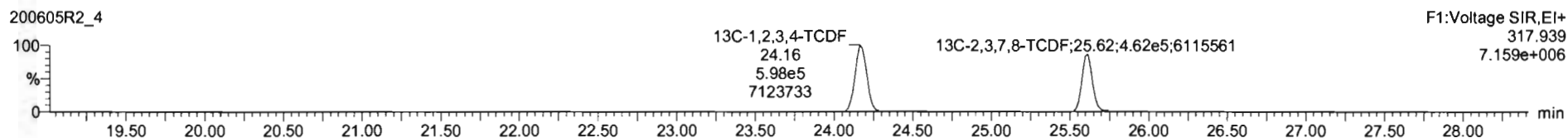
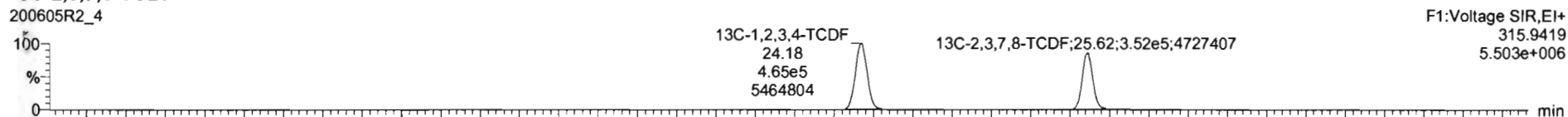
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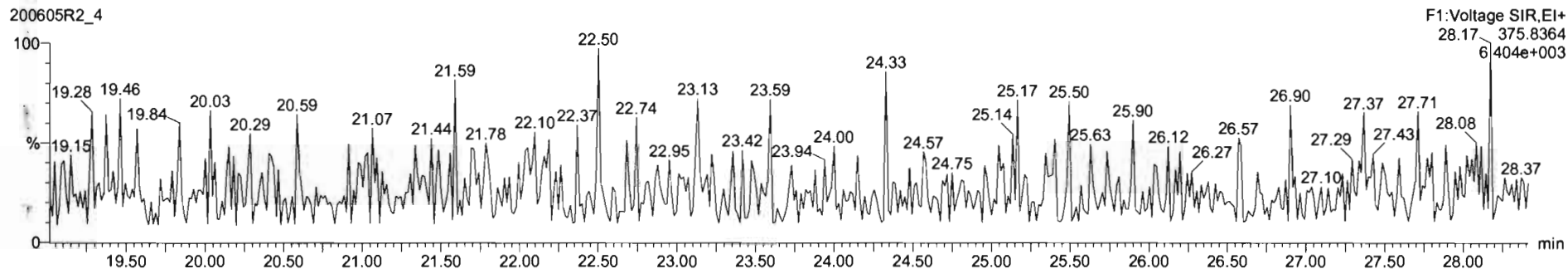
2,3,7,8-TCDF

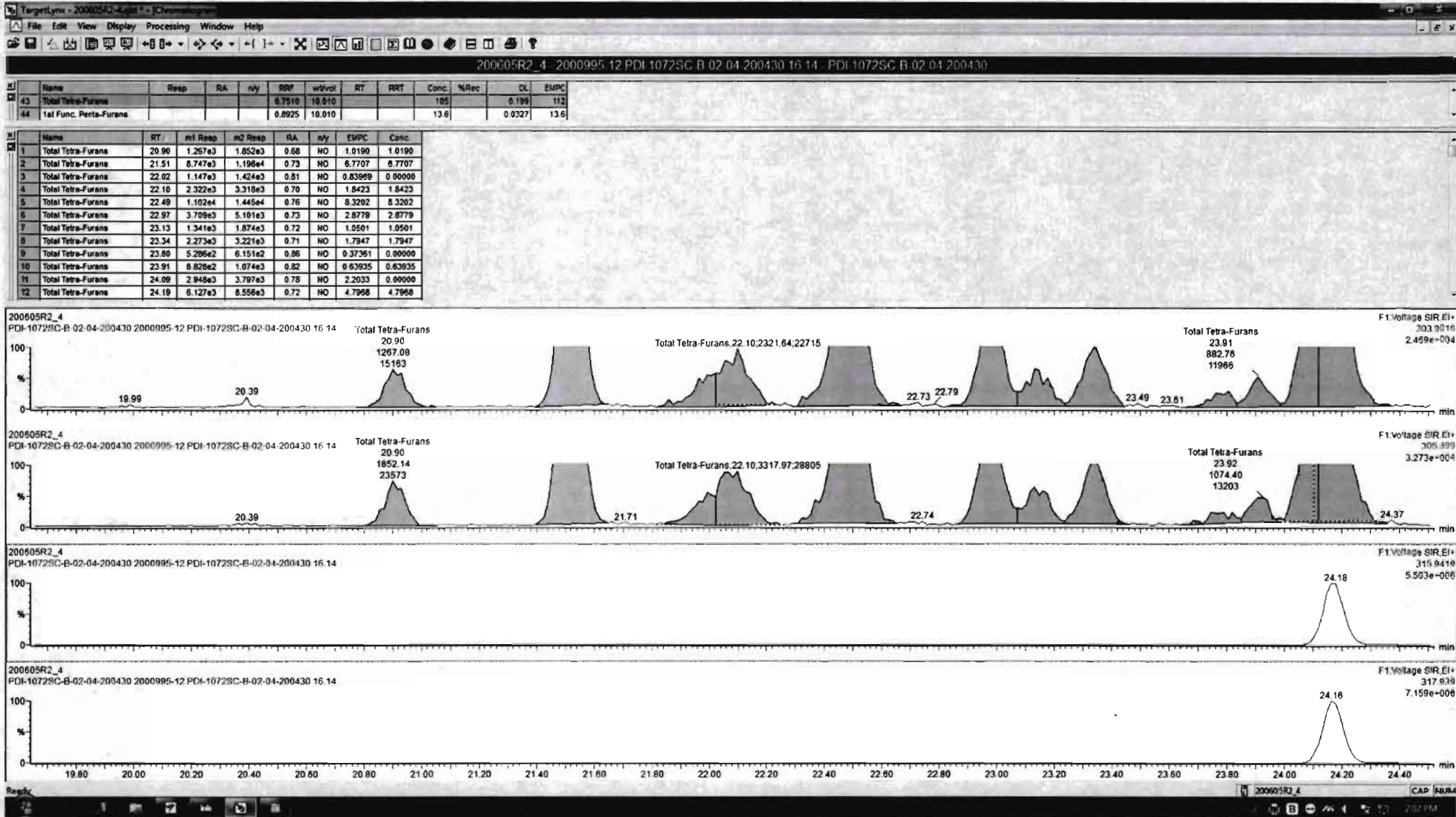


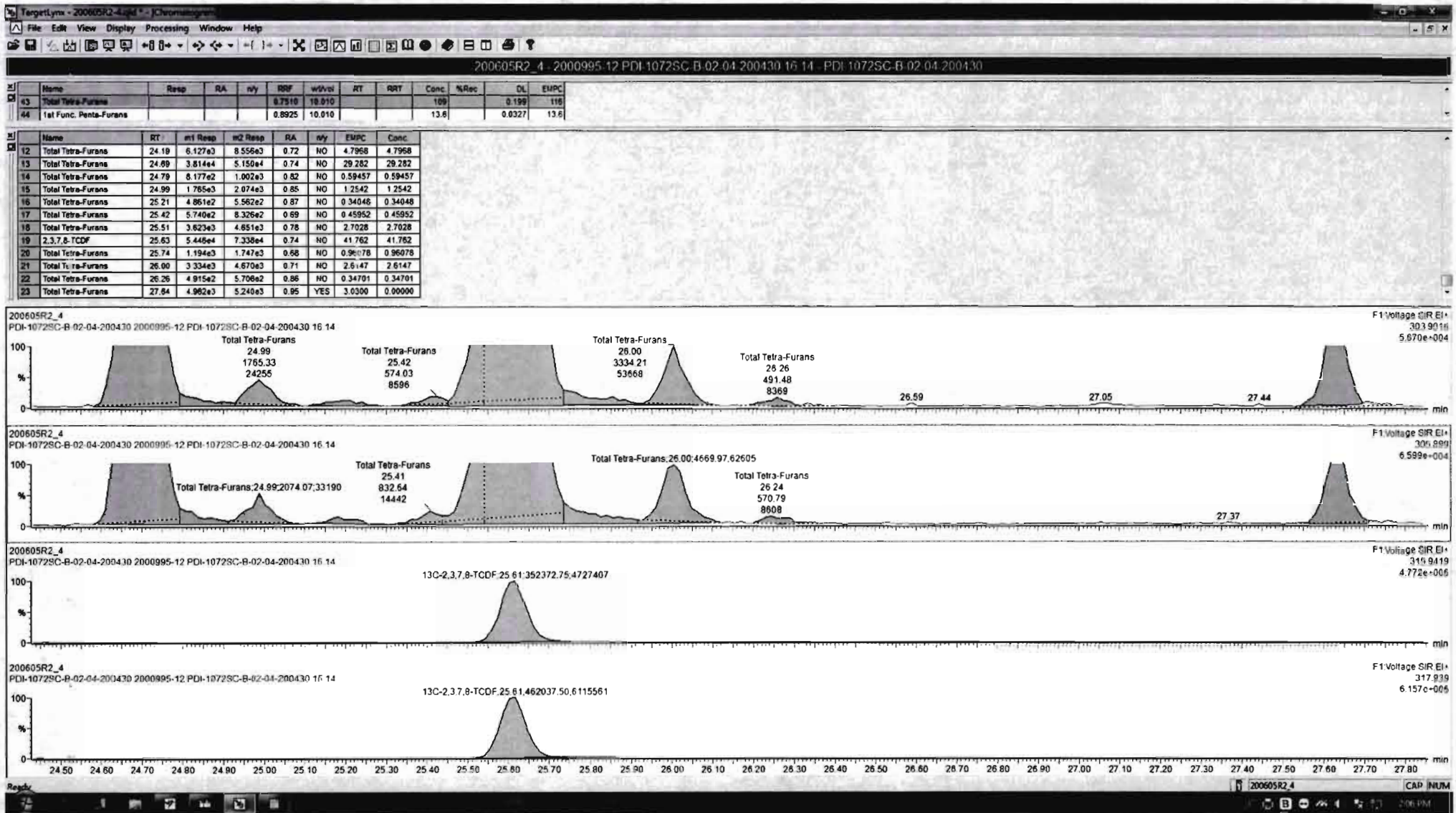
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DPE1







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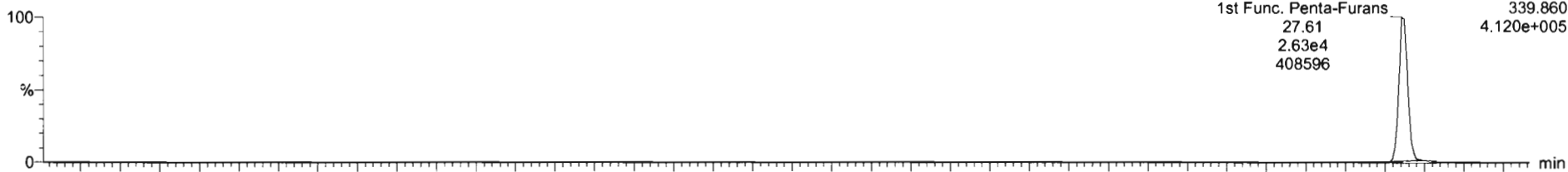
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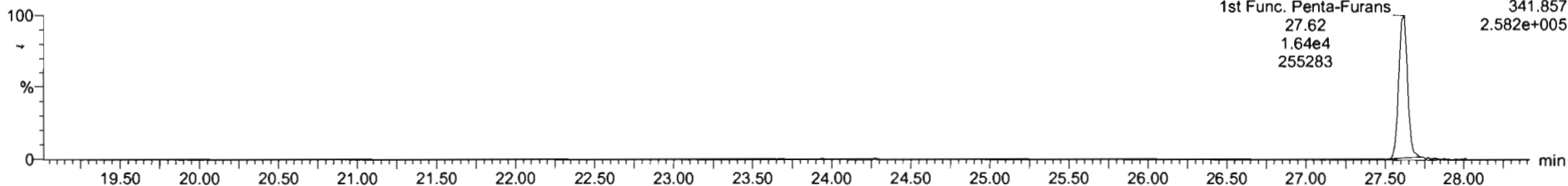
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1st Func. Penta-Furans

200605R2_4

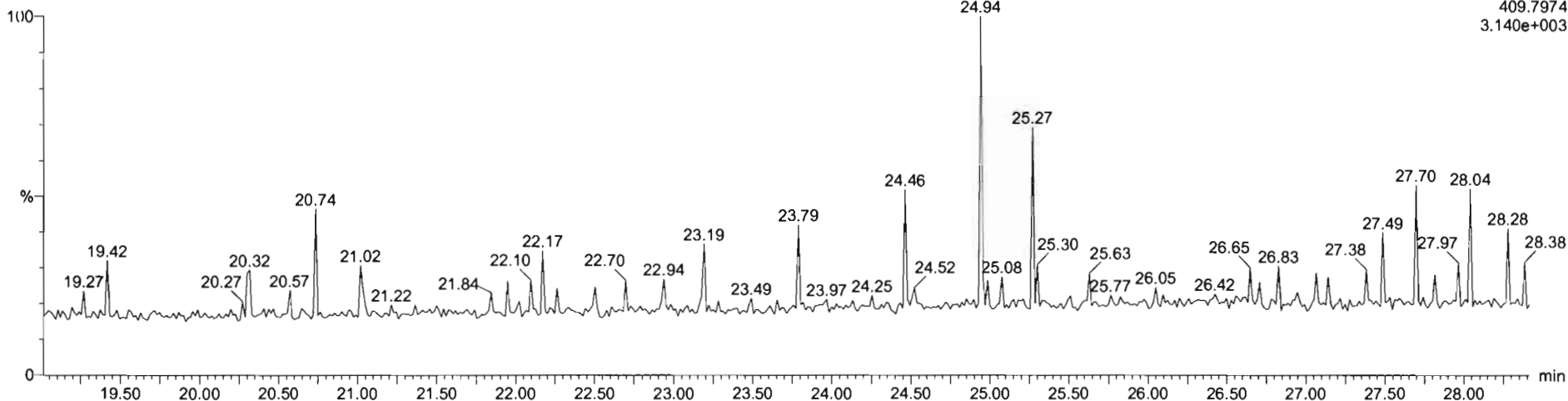


200605R2_4



DPE6

200605R2_4

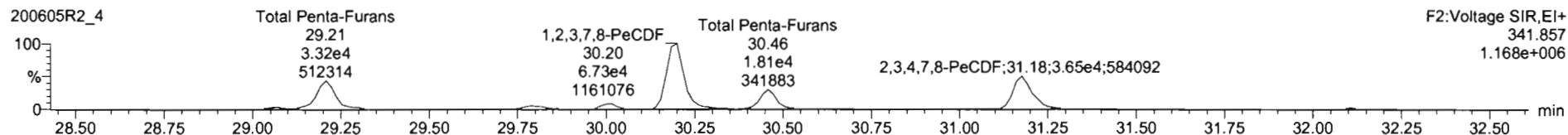
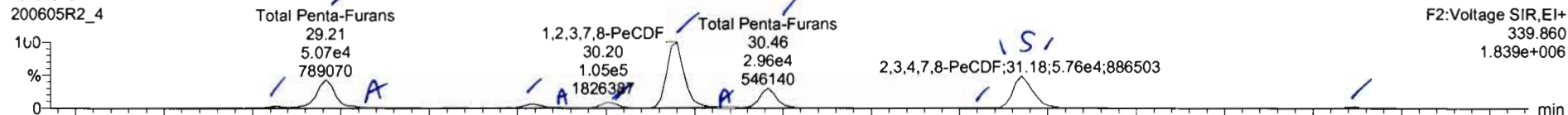


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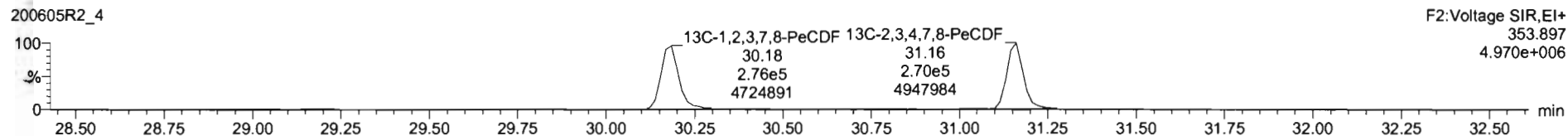
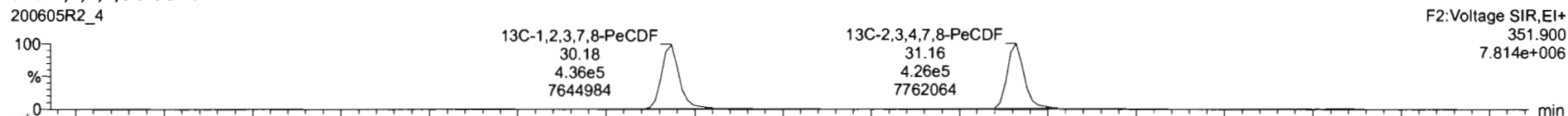
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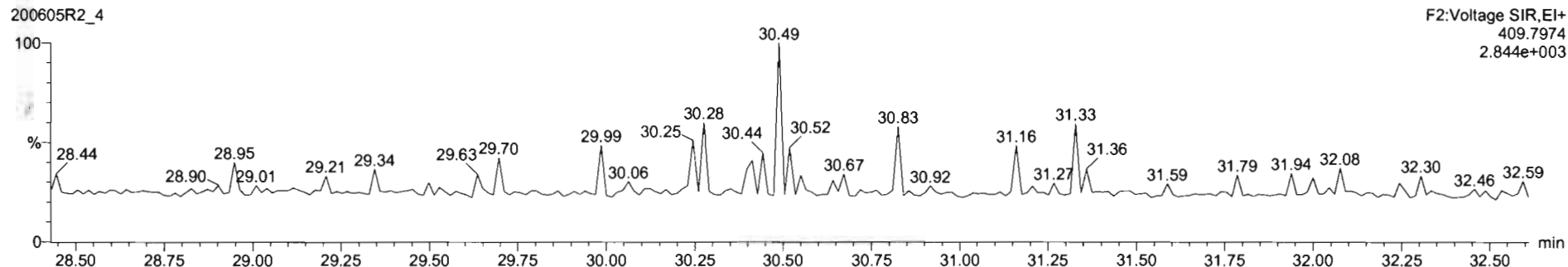
1,2,3,7,8-PeCDF

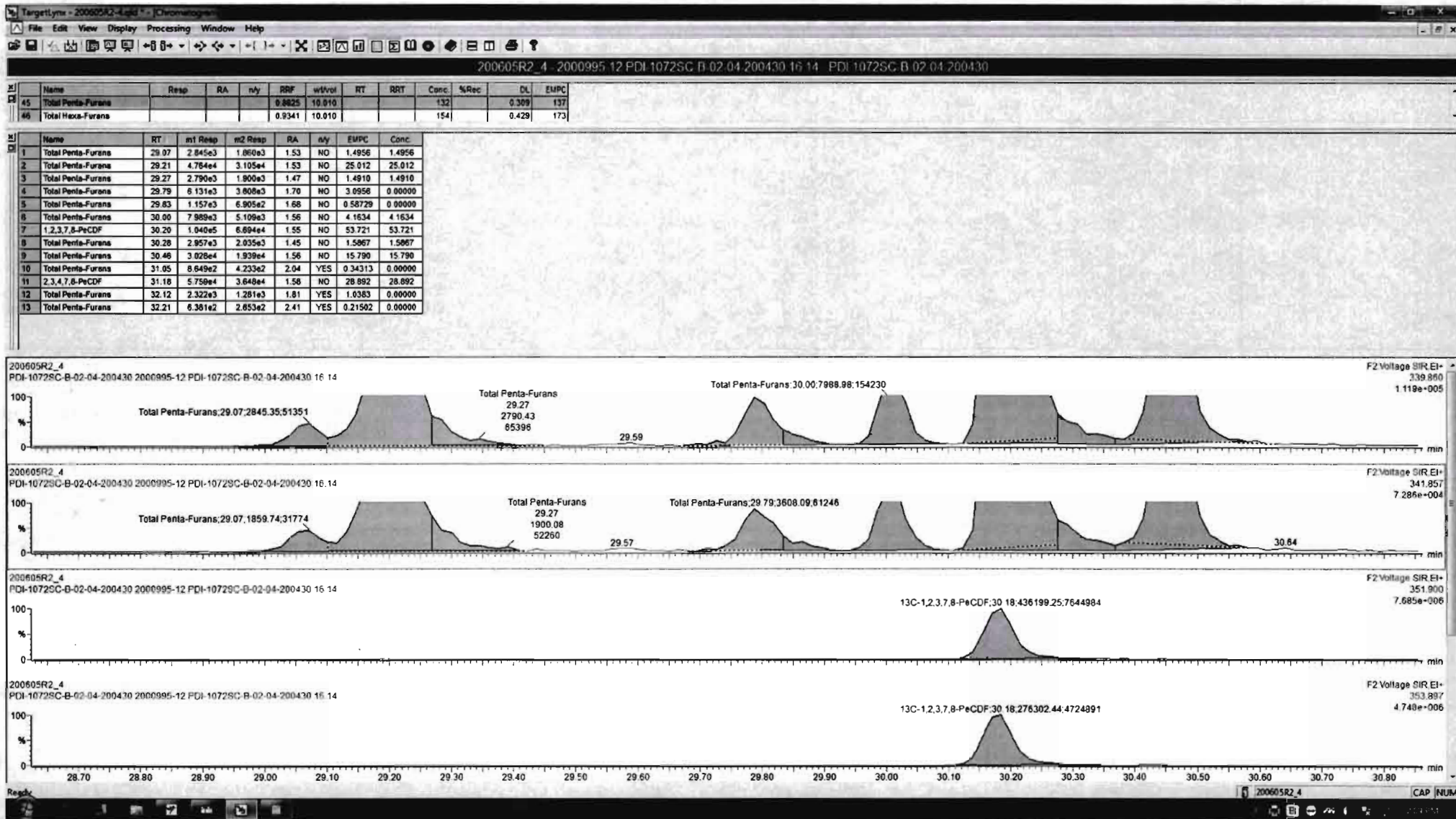


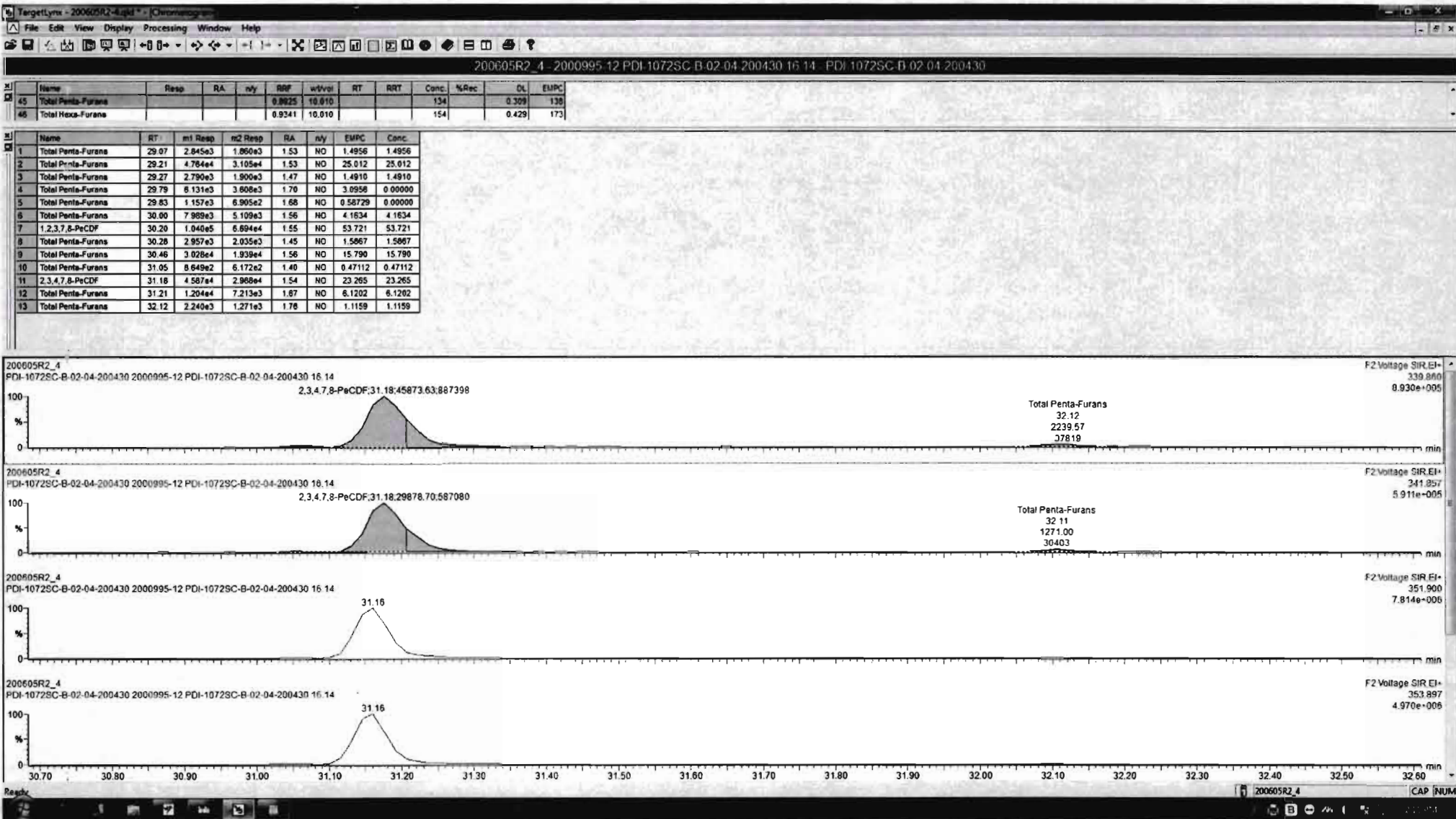
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DPE2



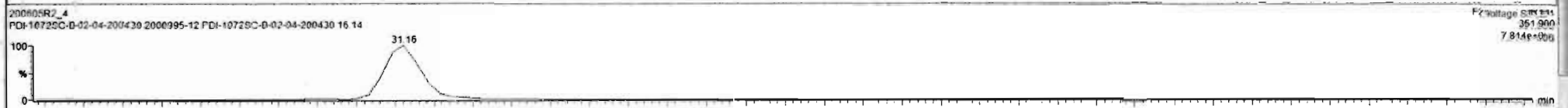
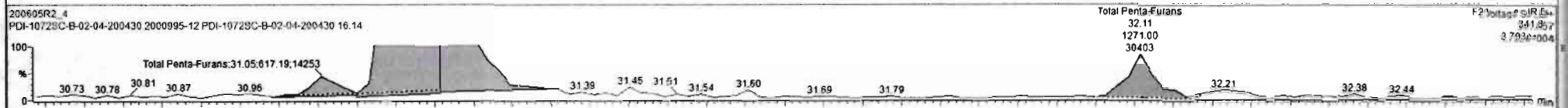
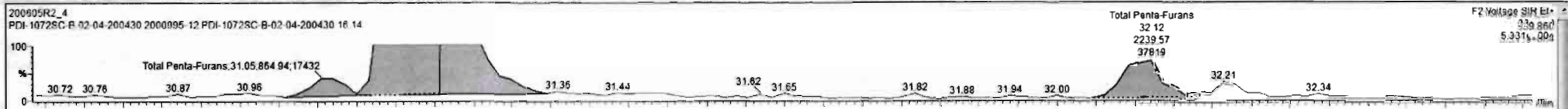




200605R2_4 - 2000995-12 PDI-1072SC-B-02-04-200430 16:14 PDI-1072SC-B-02-04-200430

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
45 Total Penta-Furans				0.8925	10.010			134		0.309	138
46 Total Hexa-Furans				0.9341	10.010			154		0.429	173

Name	RT	Int Resp	n2 Resp	RA	n/y	EMPC	Conc
1 Total Penta-Furans	29.07	2.845e3	1.860e3	1.53	NO	1.4956	1.4956
2 Total Penta-Furans	29.21	4.764e4	3.105e4	1.53	NO	25.012	25.012
3 Total Penta-Furans	29.27	2.790e3	1.800e3	1.47	NO	1.4910	1.4910
4 Total Penta-Furans	29.79	6.131e3	3.606e3	1.70	NO	3.6958	0.00000
5 Total Penta-Furans	29.83	1.157e3	6.905e2	1.68	NO	0.58729	0.00000
6 Total Penta-Furans	30.00	7.989e3	5.109e3	1.56	NO	4.1634	4.1634
7 1,2,3,7,8-PeCDF	30.20	1.040e5	6.694e4	1.55	NO	53.721	53.721
8 Total Penta-Furans	30.28	2.957e3	2.035e3	1.45	NO	1.5867	1.5867
9 Total Penta-Furans	30.48	3.028e4	1.939e4	1.56	NO	15.790	15.790
10 Total Penta-Furans	31.05	8.649e2	6.172e2	1.40	NO	0.47112	0.47112
11 2,3,4,7,8-PeCDF	31.18	4.587e4	2.866e4	1.54	NO	23.265	23.265
12 Total Penta-Furans	31.21	1.204e4	7.213e3	1.67	NO	6.1202	6.1202
13 Total Penta-Furans	32.12	2.240e3	1.271e3	1.78	NO	1.1159	1.1159

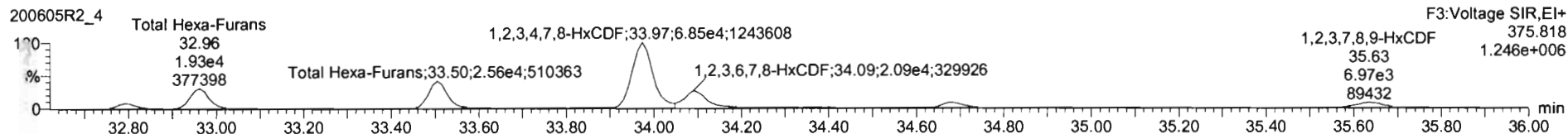
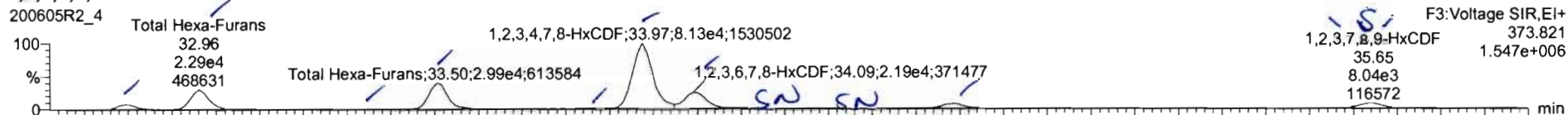


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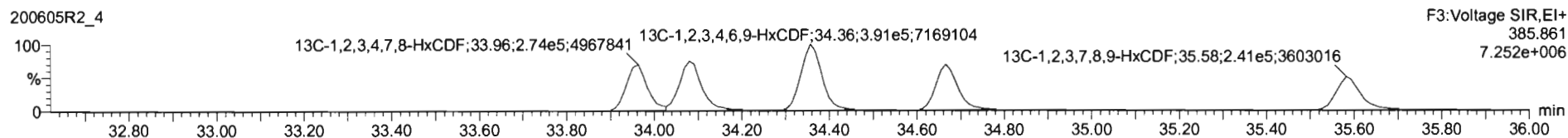
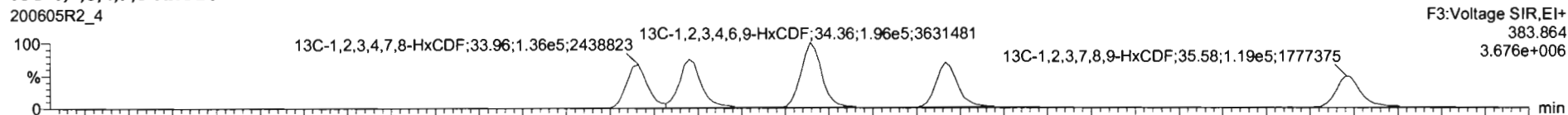
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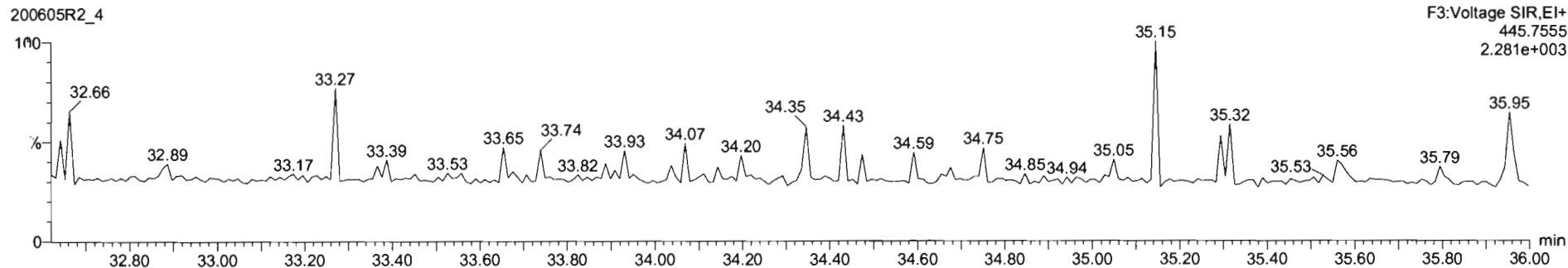
1,2,3,4,7,8-HxCDF



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



DPE3



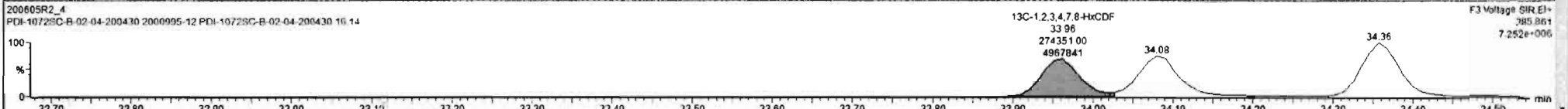
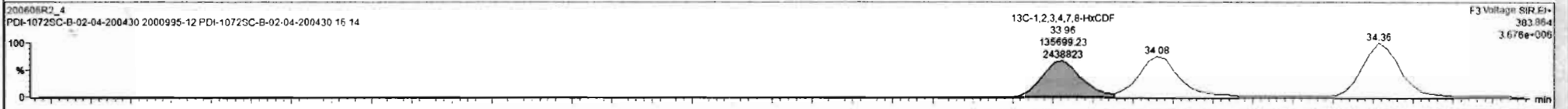
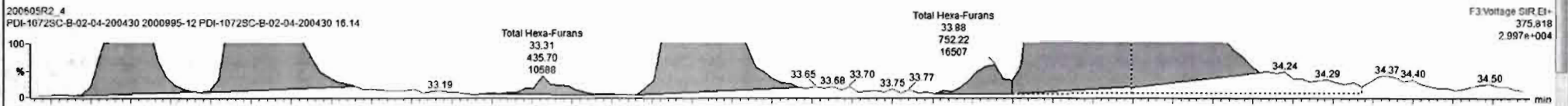
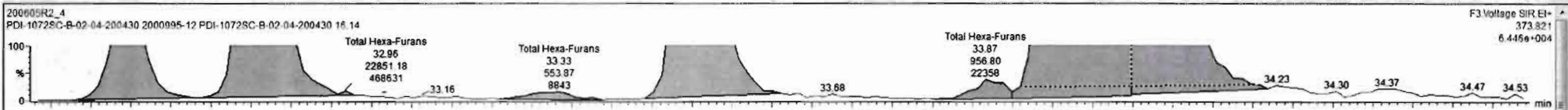
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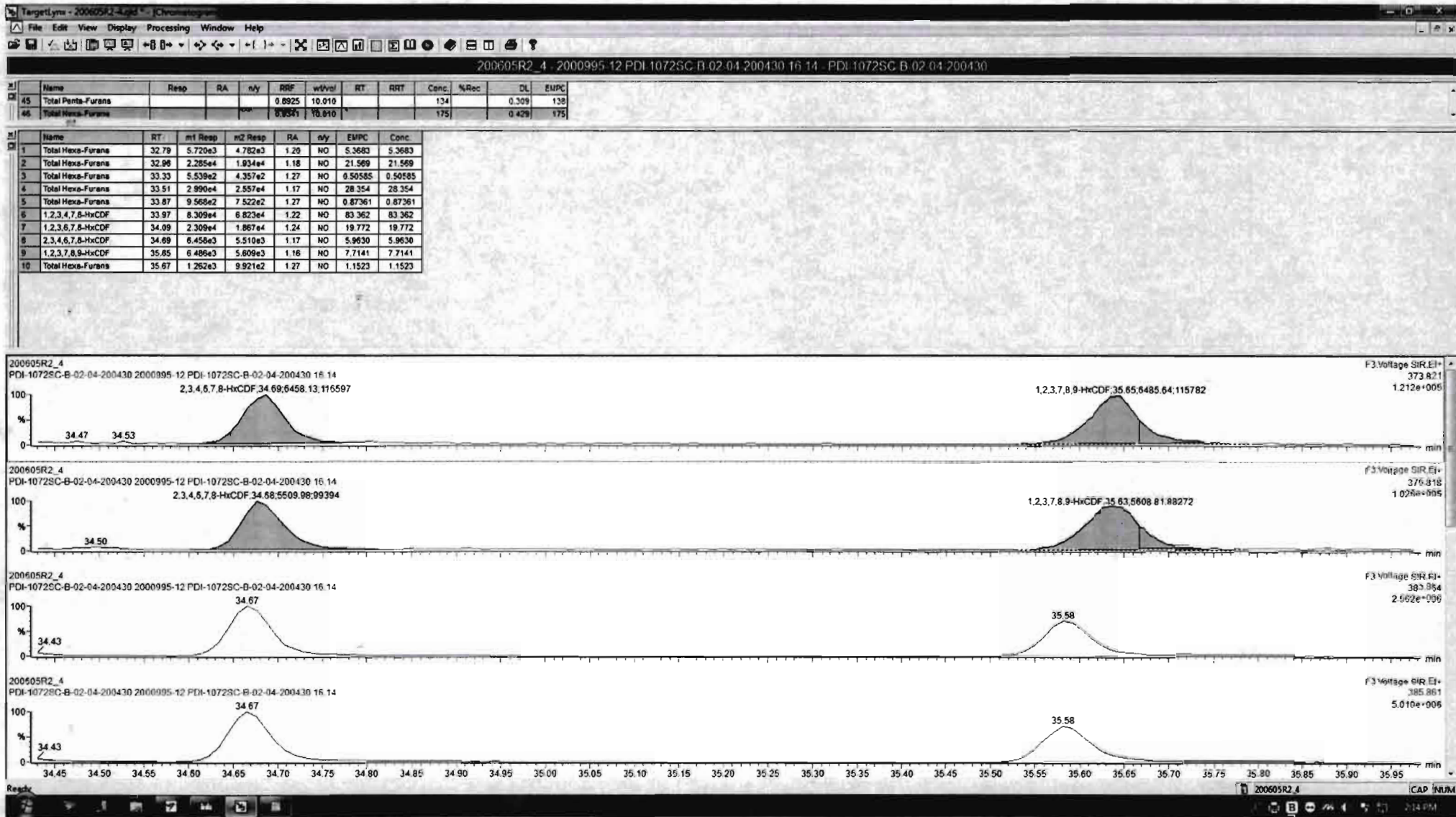
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200605R2_4 - 2000995-12 PDI-1072SC-B-02-04-200430 16:14 PDI-1072SC-B-02-04-200430

Name	Resp	RA	n/y	RRF	wt/wt	l/f	RRT	Conc.	%Rec	DL	EMPC
45 Total Furans-Furans				0.8925	10.010			134		0.309	138
46 Total Hexa-Furans				0.9541	10.010			175		0.429	175

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.79	5.720e3	4.782e3	1.20	NO	5.3683	5.3683
2 Total Hexa-Furans	32.96	2.285e4	1.934e4	1.18	NO	21.569	21.569
3 Total Hexa-Furans	33.33	5.539e2	4.357e2	1.27	NO	0.50585	0.50585
4 Total Hexa-Furans	33.51	2.990e4	2.557e4	1.17	NO	28.354	28.354
5 Total Hexa-Furans	33.87	9.568e2	7.522e2	1.27	NO	0.87361	0.87361
6 1,2,3,4,7,8-HxCDF	33.97	8.309e4	6.823e4	1.22	NO	83.362	83.362
7 1,2,3,6,7,8-HxCDF	34.09	2.309e4	1.867e4	1.24	NO	19.772	19.772
8 2,3,4,6,7,8-HxCDF	34.89	6.458e3	5.510e3	1.17	NO	5.9630	5.9630
9 1,2,3,7,8,9-HxCDF	35.65	8.035e3	6.971e3	1.15	NO	9.5713	9.5713





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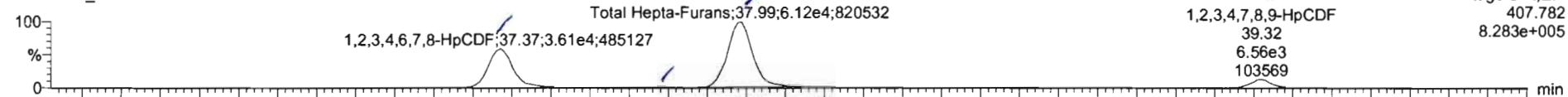
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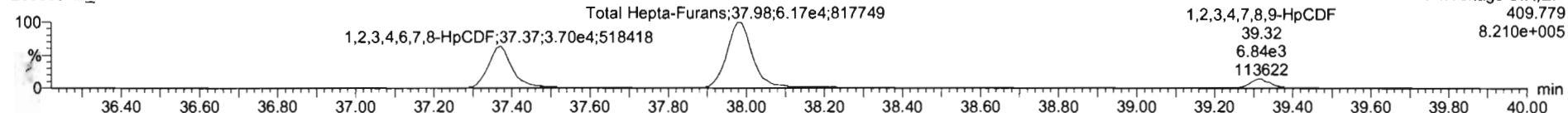
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1,2,3,4,6,7,8-HpCDF

200605R2_4

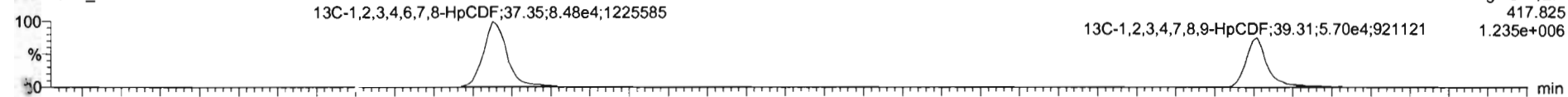


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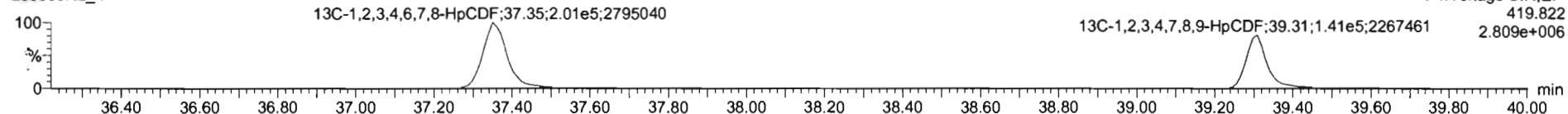


13C-1,2,3,4,6,7,8-HpCDF

200605R2_4

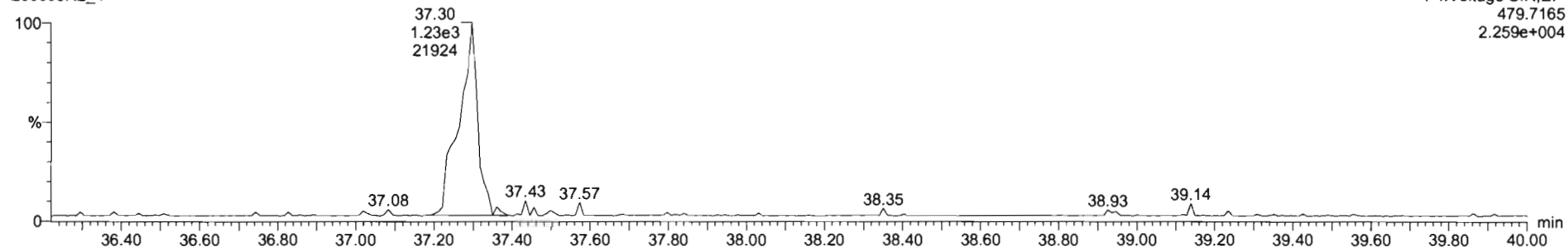


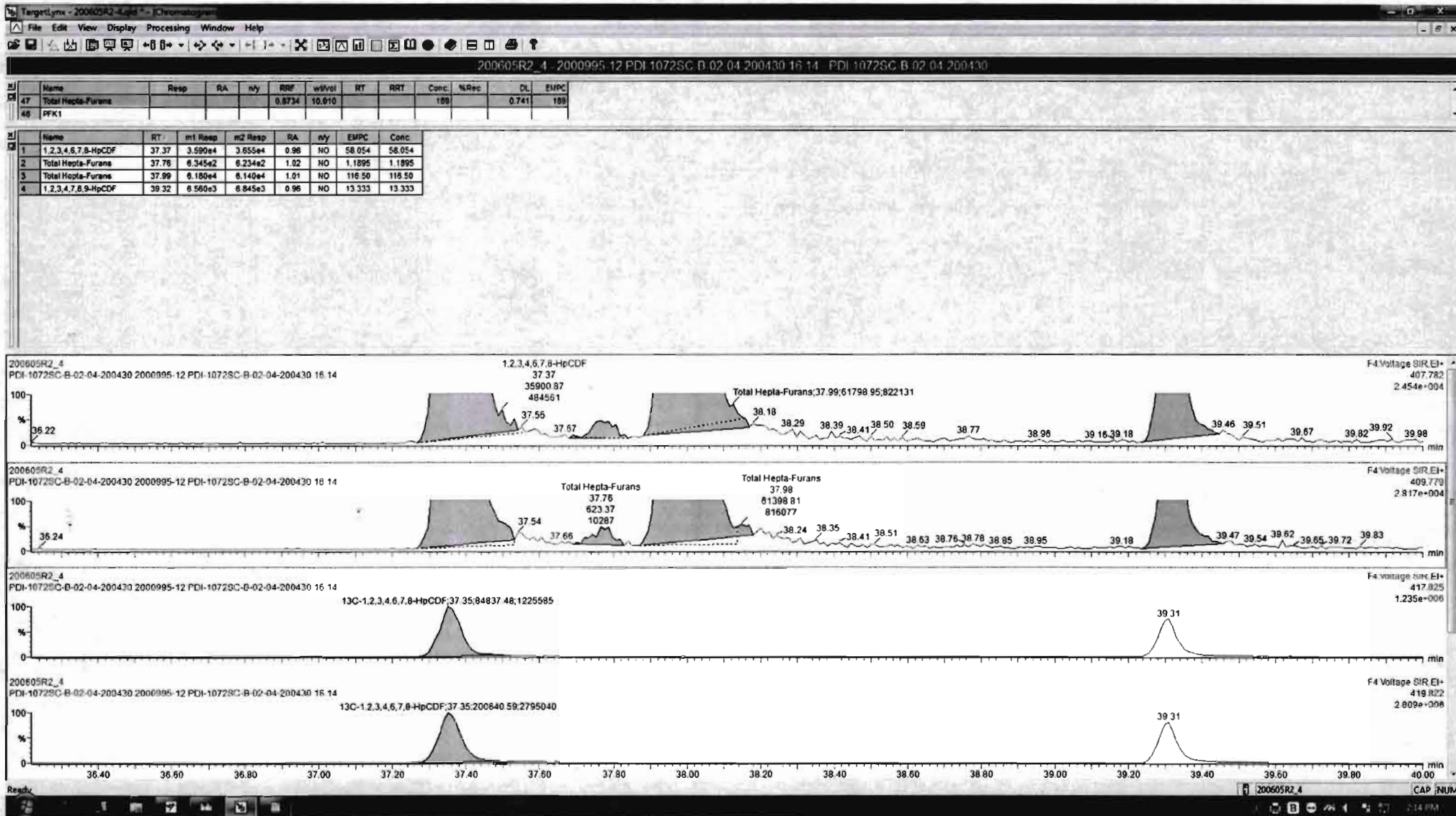
200605R2_4



DPE4

200605R2_4



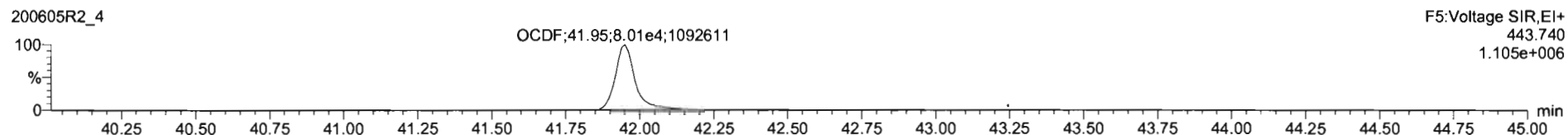
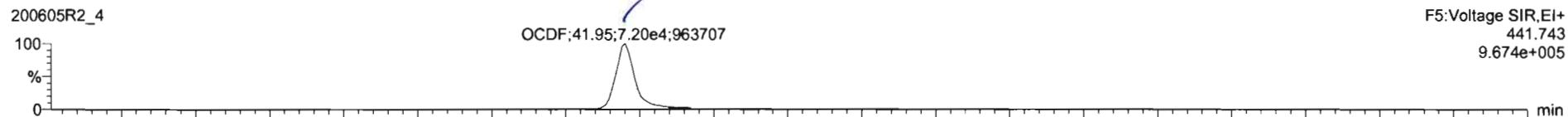


Dataset: Untitled

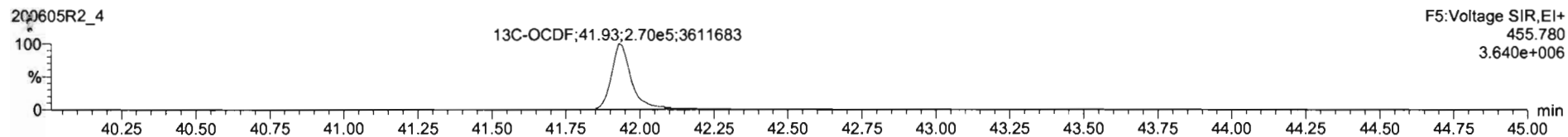
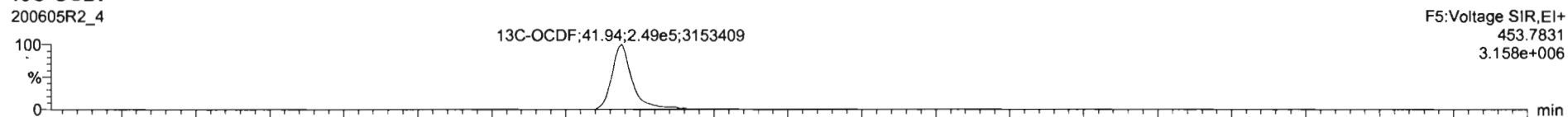
Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time
Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_4, Date: 06-Jun-2020, Time: 00:41:18, ID: 2000995-12 PDI-1072SC-B-02-04-200430 16.14, Description: PDI-1072SC-B-02-04-200430

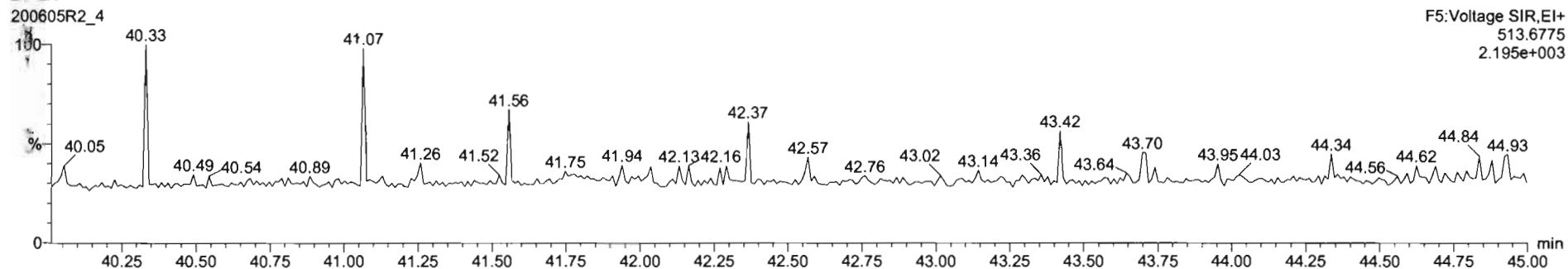
OCDF



13C-OCDF



DPE5

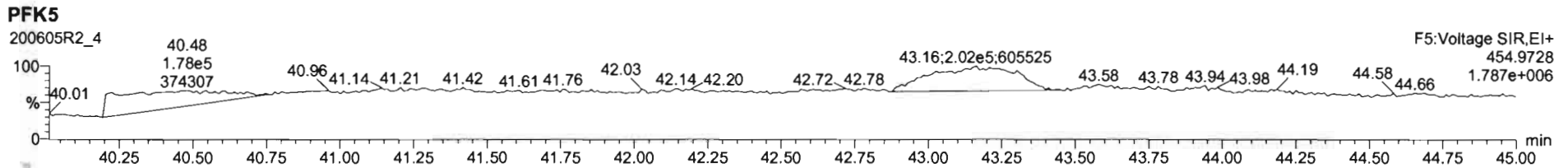
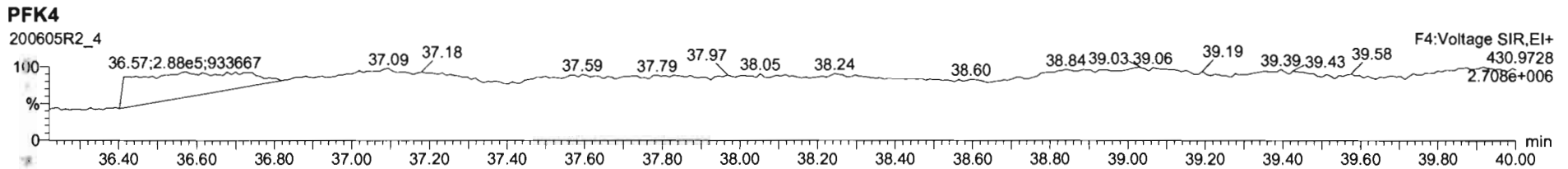
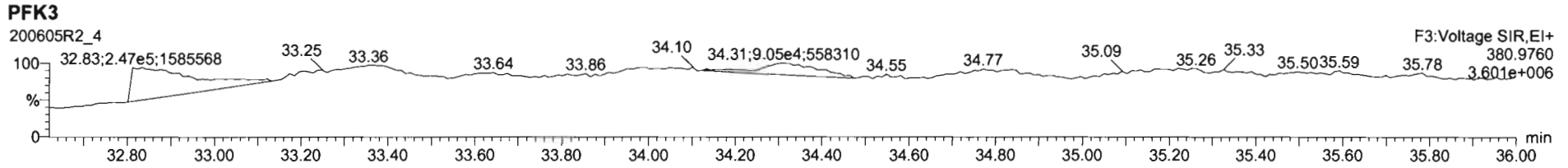
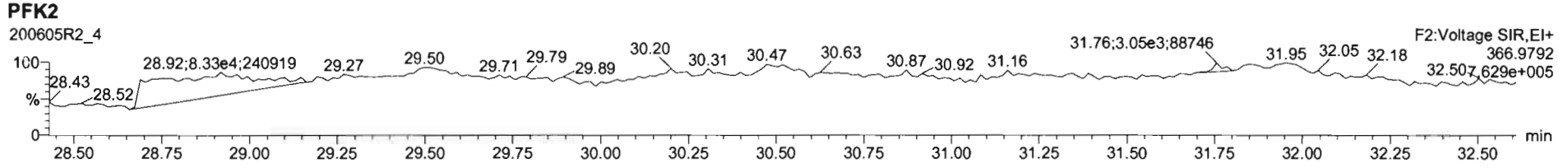
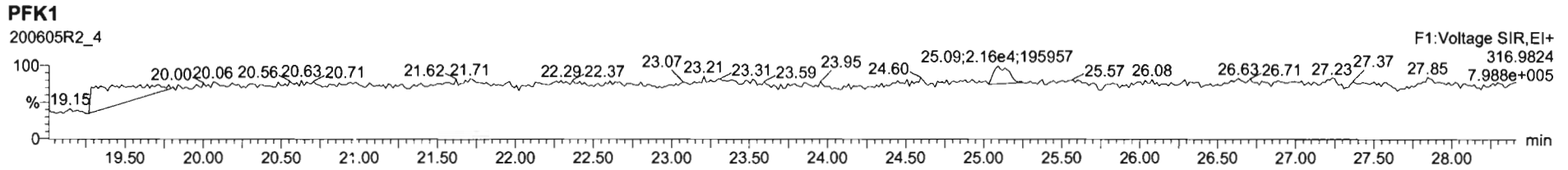


Dataset: Untitled

Last Altered: Sunday, June 07, 2020 08:15:38 Pacific Daylight Time

Printed: Sunday, June 07, 2020 08:17:58 Pacific Daylight Time

Name: 200605R2_4, Date: 06-Jun-2020, Time: 00:41:18, ID: 2000995-12 PDI-1072SC-B-02-04-200430 16.14, Description: PDI-1072SC-B-02-04-200430



CONFIRMATION

Dataset: U:\VG7.PRO\Results\200609D1\200609D1_17.qld

Last Altered: Wednesday, June 10, 2020 10:44:21 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 10:45:18 Pacific Daylight Time

DB 6/10/20 C7 06/15/2020

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: 200609D1_17, Date: 09-Jun-2020, Time: 21:54:12, ID: 2000995-03RE1 PDI-068SC-B-00-02-200430 17.1, Description: PDI-068SC-B-00-02-200430

#	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	1.16e3	0.83	NO	0.982	10.011 ✓	17.724	17.70	1.000	1.000	29.630		4.23	29.6
2	2 13C-2,3,7,8-TCDF	7.96e3	0.74	NO	1.08	10.011	17.747	17.70	1.133	1.136	122.05	61.1	11.4	
3	3 13C-1,2,3,4-TCDF	1.20e4	0.74	NO	1.00	10.011	15.660	15.59	1.000	1.000	199.79	100	12.4	

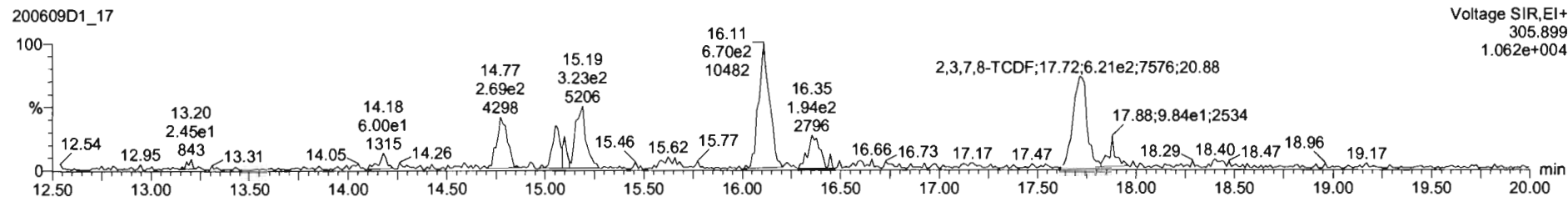
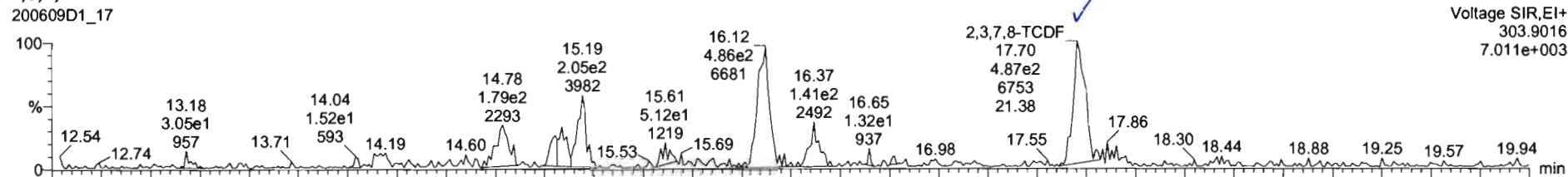
Dataset: U:\VG7.PRO\Results\200609D1\200609D1_17.qld

Last Altered: Wednesday, June 10, 2020 09:19:47 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 10:39:48 Pacific Daylight Time

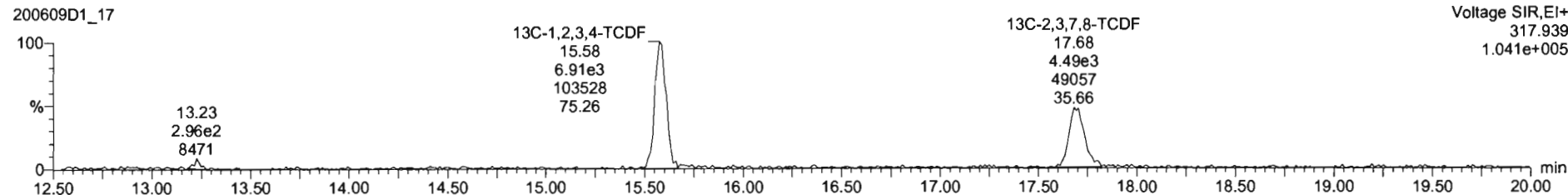
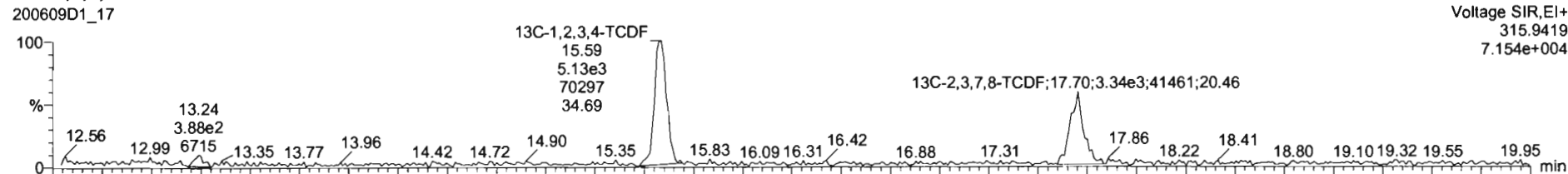
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

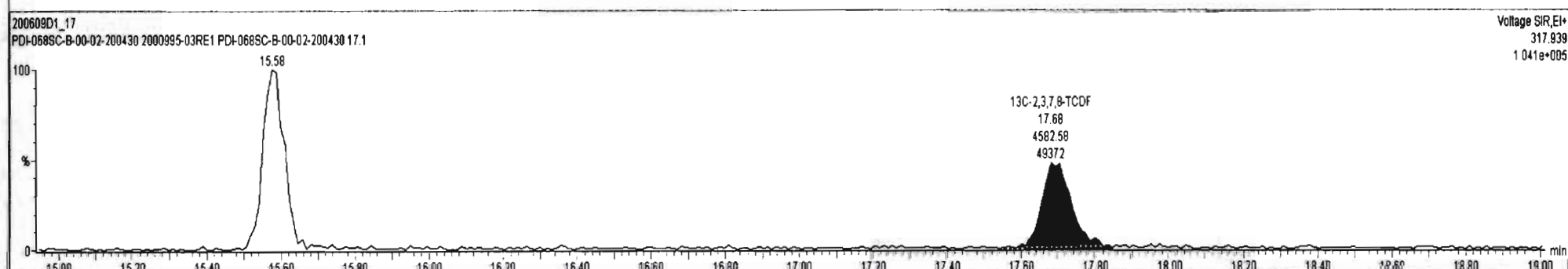
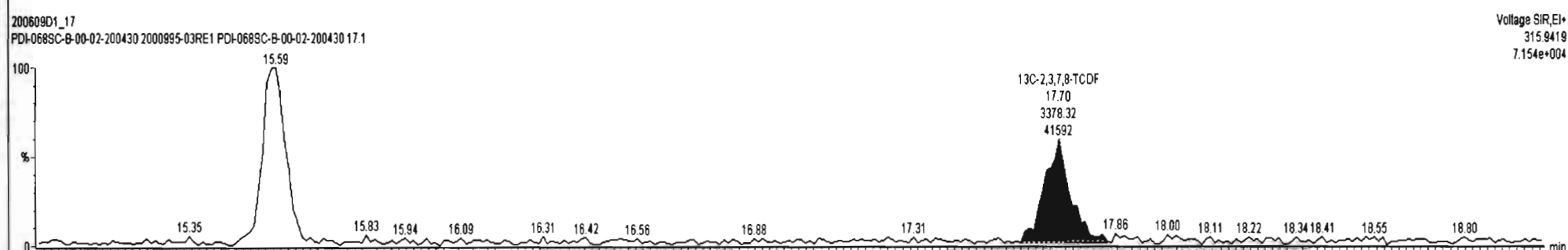
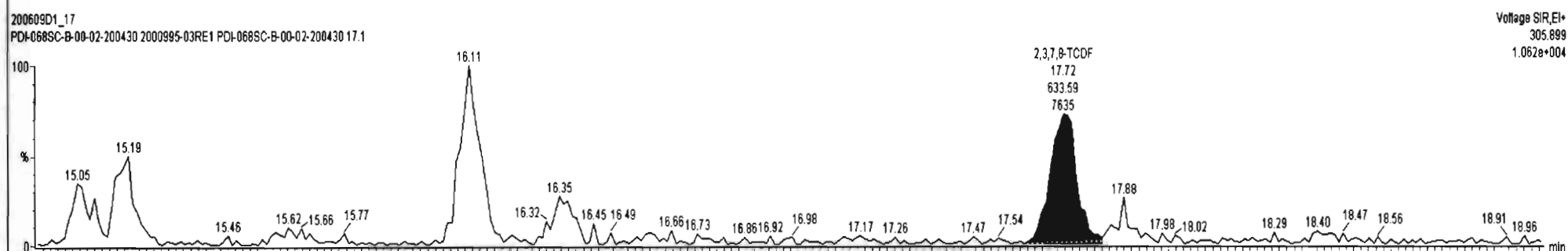
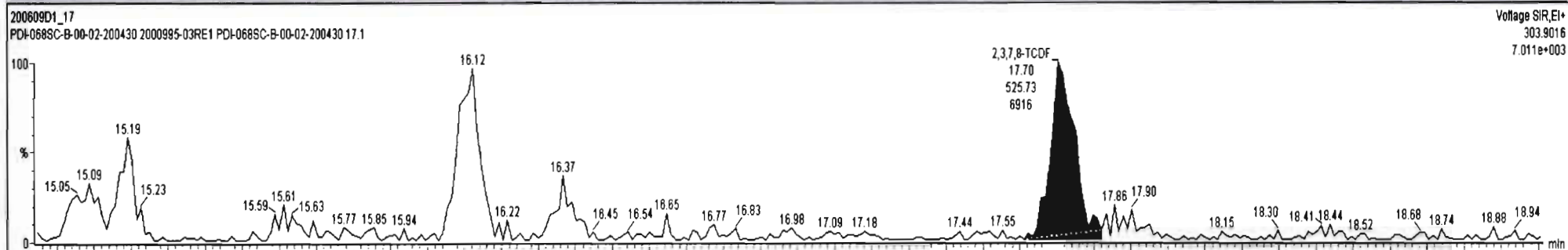
Name: 200609D1_17, Date: 09-Jun-2020, Time: 21:54:12, ID: 2000995-03RE1 PDI-068SC-B-00-02-200430 17.1, Description: PDI-068SC-B-00-02-200430

2,3,7,8-TCDF



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





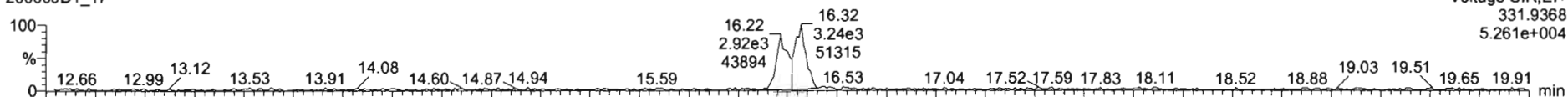
Dataset: U:\VG7.PRO\Results\200609D1\200609D1_17.qld

Last Altered: Wednesday, June 10, 2020 09:19:47 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 10:39:48 Pacific Daylight Time

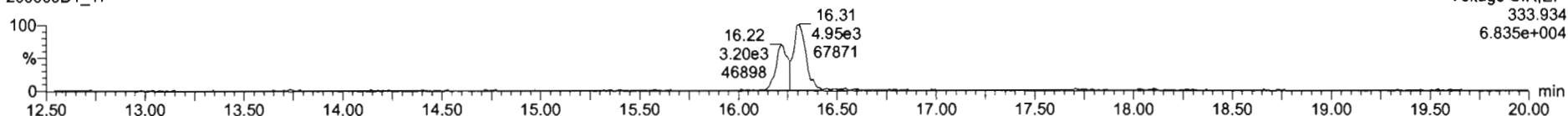
Name: 200609D1_17, Date: 09-Jun-2020, Time: 21:54:12, ID: 2000995-03RE1 PDI-068SC-B-00-02-200430 17.1, Description: PDI-068SC-B-00-02-200430

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

200609D1_17

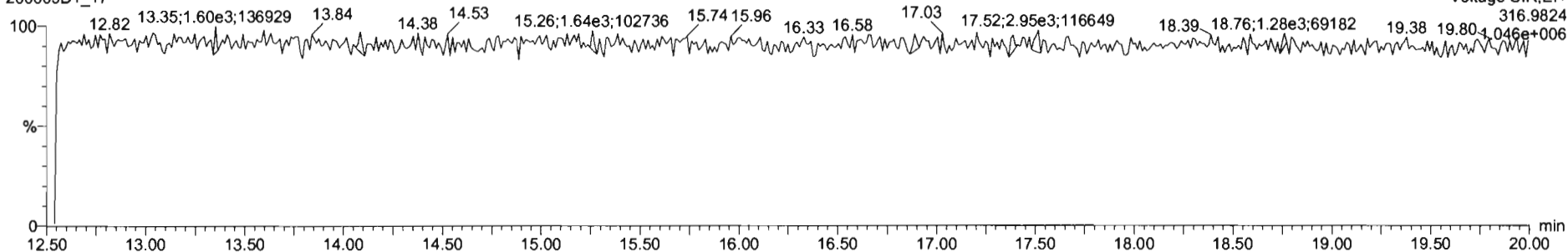


200609D1_17



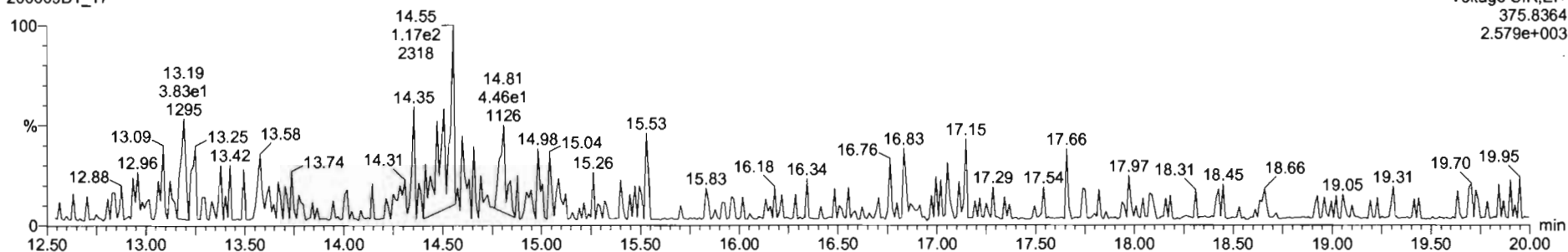
PFK1

200609D1_17



DPE1

200609D1_17



Dataset: U:\VG7.PRO\Results\200612D1\200612D1_5.qld

Last Altered: Friday, June 12, 2020 13:49:30 Pacific Daylight Time

Printed: Friday, June 12, 2020 13:49:54 Pacific Daylight Time

DB 6/12/20

C706/15/2020

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: 200612D1_5, Date: 12-Jun-2020, Time: 13:24:45, ID: 2000995-04RE1 PDI-068SC-B-02-05-200430 17.92, Description: PDI-068SC-B-02-05-200430

#	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	2.03e2	0.72	NO	0.982	10.017 ✓	17.712	17.76	1.000	1.004	1.8531		3.09	1.85
2	2 13C-2,3,7,8-TCDF	2.23e4	0.75	NO	1.08	10.017	17.747	17.69	1.133	1.135	82.132	41.1	4.28	
3	3 13C-1,2,3,4-TCDF	5.00e4	0.79	NO	1.00	10.017	15.660	15.59	1.000	1.000	199.66	100	4.63	

Dataset: U:\VG7.PRO\Results\200612D1\200612D1_5.qld

Last Altered: Friday, June 12, 2020 13:46:55 Pacific Daylight Time

Printed: Friday, June 12, 2020 13:48:03 Pacific Daylight Time

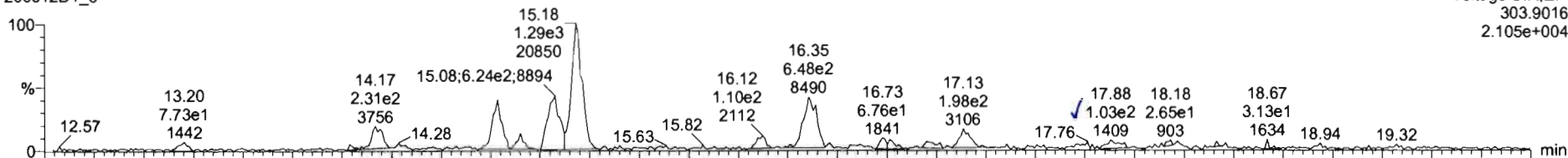
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19

Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

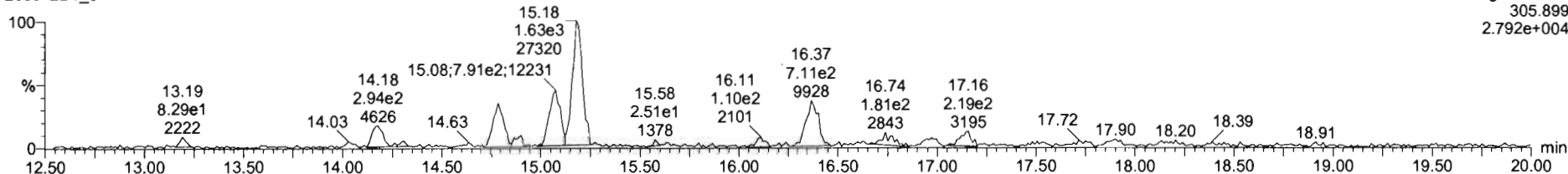
Name: 200612D1_5, Date: 12-Jun-2020, Time: 13:24:45, ID: 2000995-04RE1 PDI-068SC-B-02-05-200430 17.92, Description: PDI-068SC-B-02-05-200430

2,3,7,8-TCDF

200612D1_5



200612D1_5

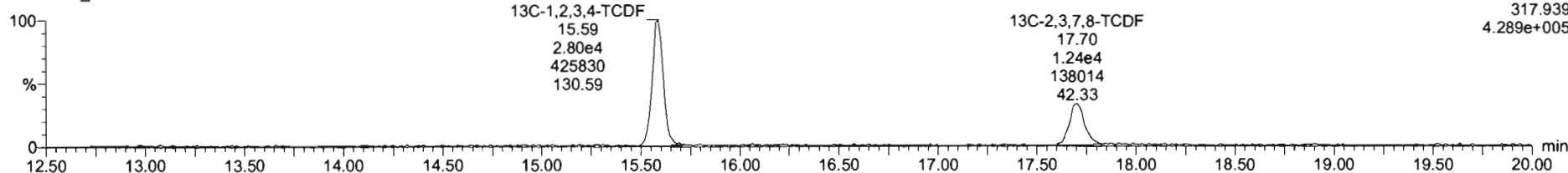


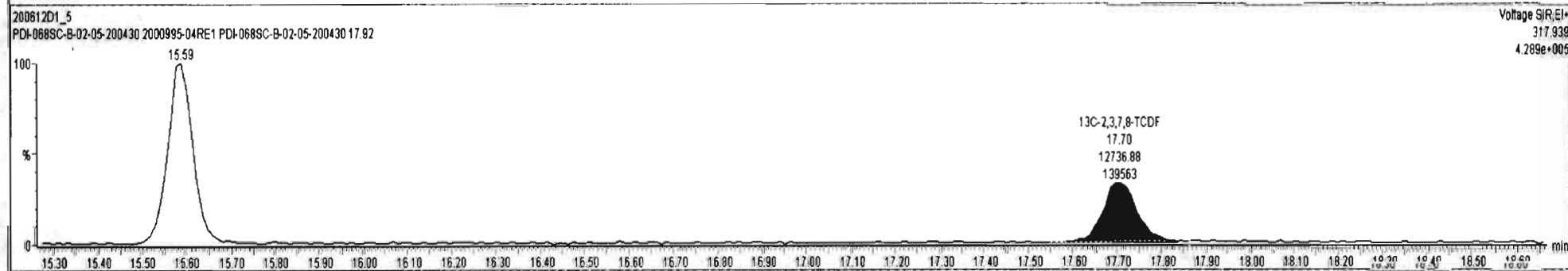
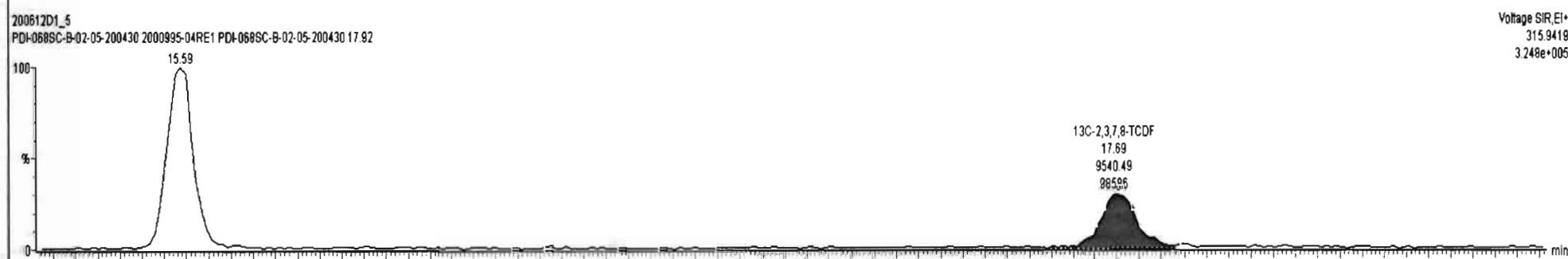
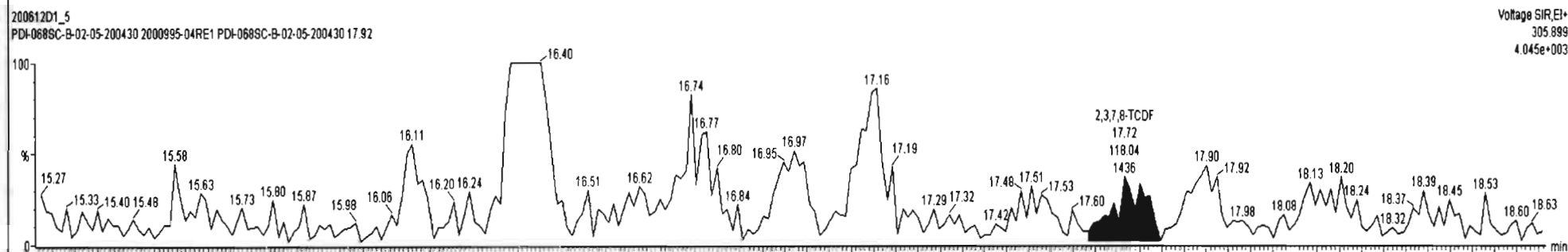
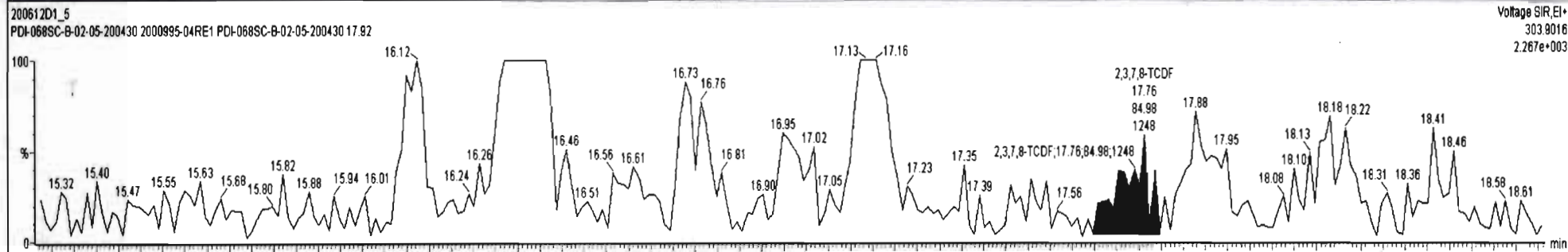
13C-2,3,7,8-TCDF

200612D1_5



200612D1_5



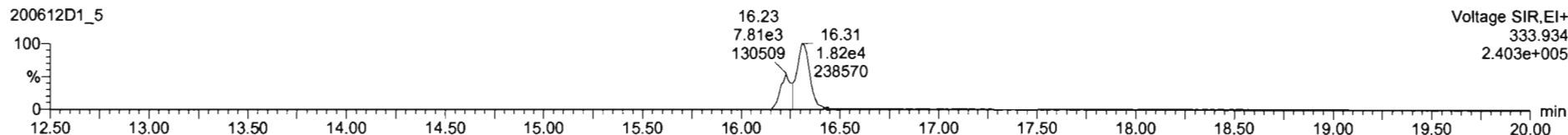
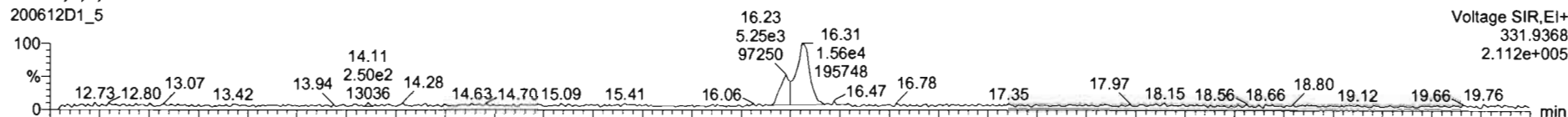


Dataset: U:\VG7.PRO\Results\200612D1\200612D1_5.qld

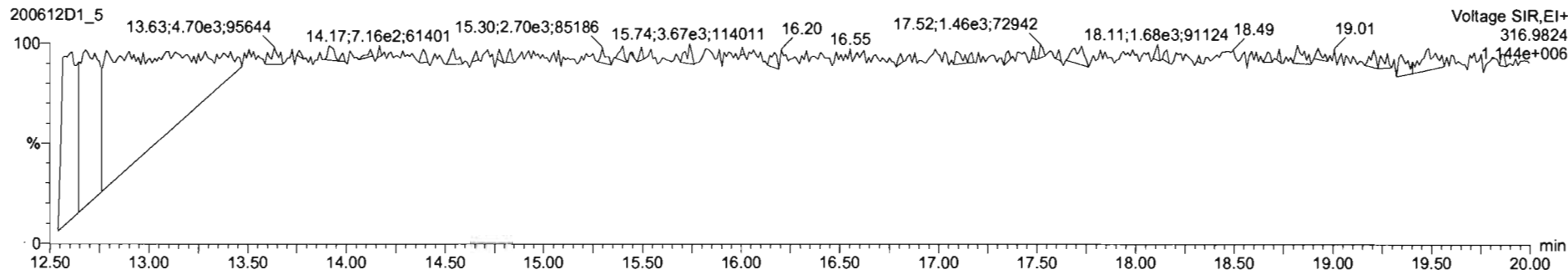
Last Altered: Friday, June 12, 2020 13:46:55 Pacific Daylight Time
Printed: Friday, June 12, 2020 13:48:03 Pacific Daylight Time

Name: 200612D1_5, Date: 12-Jun-2020, Time: 13:24:45, ID: 2000995-04RE1 PDI-068SC-B-02-05-200430 17.92, Description: PDI-068SC-B-02-05-200430

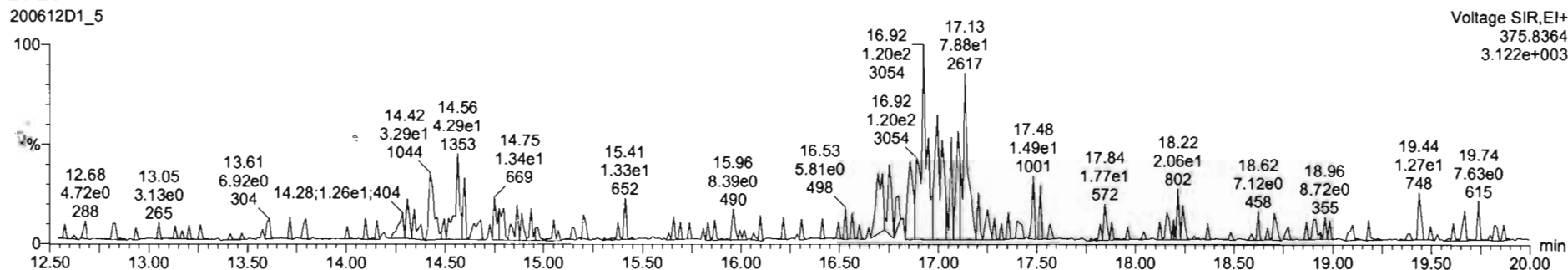
13C-1,2,3,4-TCDD



PFK1



DPE1



Dataset: U:\VG7.PRO\Results\200612D1\200612D1_6.qld

Last Altered: Friday, June 12, 2020 14:21:34 Pacific Daylight Time
Printed: Friday, June 12, 2020 14:21:51 Pacific Daylight Time

DB 6/12/20 2006/15/2020

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: 200612D1_6, Date: 12-Jun-2020, Time: 13:55:36, ID: 2000995-05RE1 PDI-068SC-B-05-07-200430 18.77, Description: PDI-068SC-B-05-07-200430

#	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	1.53e2	0.74	NO	0.982	10.052	17.701	17.73	1.000	1.003	0.89280		1.69	0.893
2	2 13C-2,3,7,8-TCDF	3.47e4	0.75	NO	1.08	10.052	17.724	17.68	1.133	1.136	122.86	61.7	3.91	
3	3 13C-1,2,3,4-TCDF	5.18e4	0.76	NO	1.00	10.052	15.660	15.56	1.000	1.000	198.97	100	4.24	

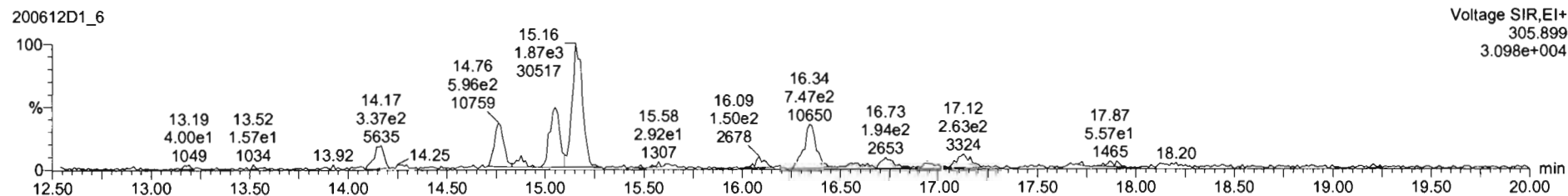
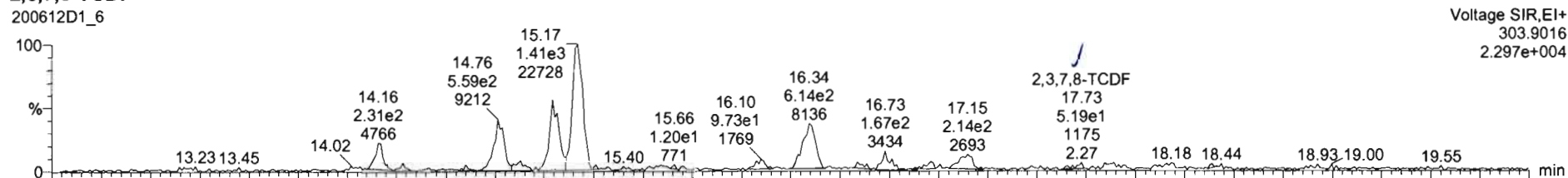
Dataset: U:\VG7.PRO\Results\200612D1\200612D1_6.qld

Last Altered: Friday, June 12, 2020 14:18:59 Pacific Daylight Time
Printed: Friday, June 12, 2020 14:20:06 Pacific Daylight Time

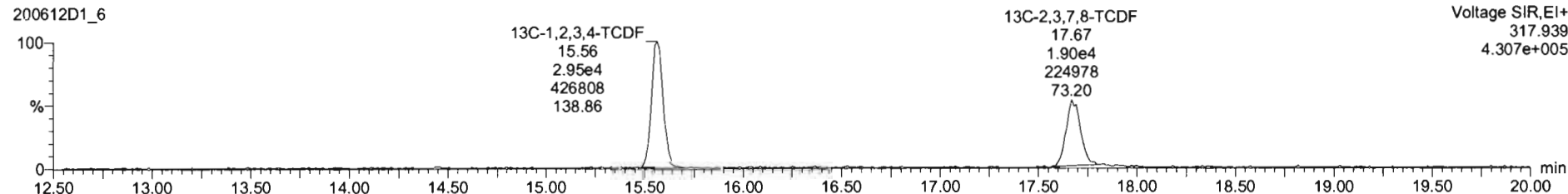
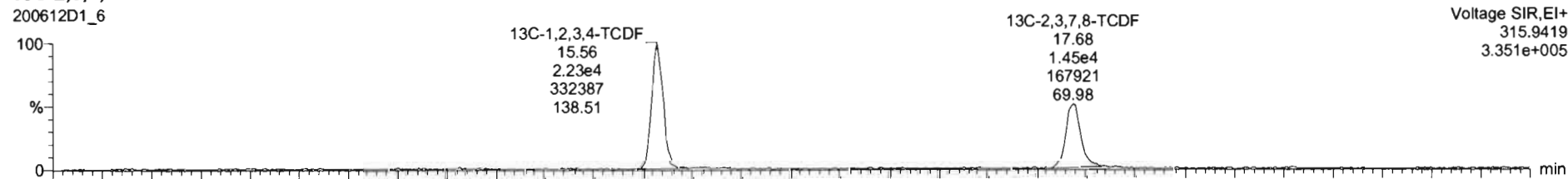
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200612D1_6, Date: 12-Jun-2020, Time: 13:55:36, ID: 2000995-05RE1 PDI-068SC-B-05-07-200430 18.77, Description: PDI-068SC-B-05-07-200430

2,3,7,8-TCDF

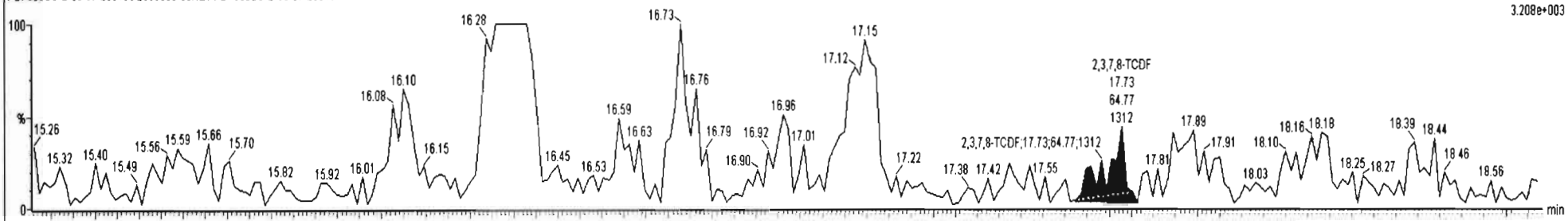


13C-2,3,7,8-TCDF



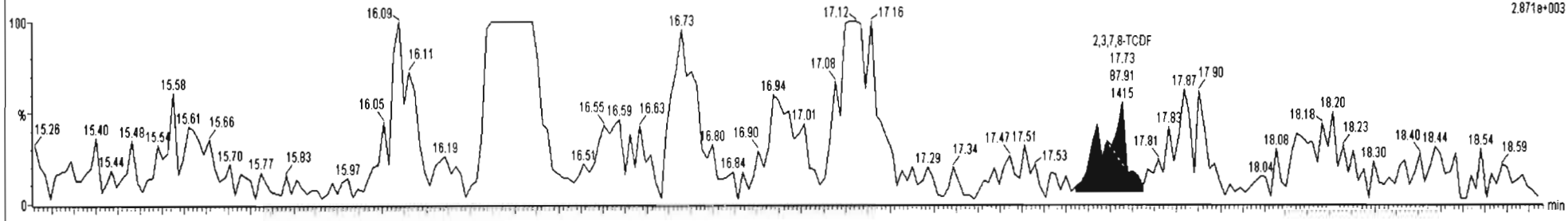
200612D1_6
PDI-068SC-B-05-07-200430 2000995-05RE1 PDI-068SC-B-05-07-200430 18.77

Voltage SIR,El+
303.9016
3.208e+003



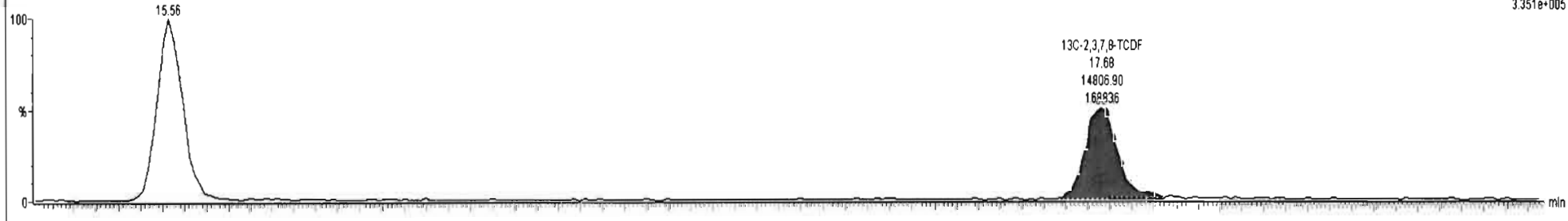
200612D1_6
PDI-068SC-B-05-07-200430 2000995-05RE1 PDI-068SC-B-05-07-200430 18.77

Voltage SIR,El+
305.899
2.871e+003



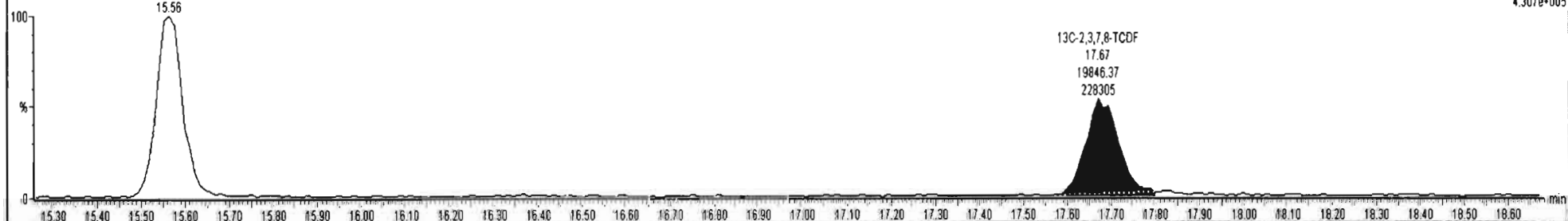
200612D1_6
PDI-068SC-B-05-07-200430 2000995-05RE1 PDI-068SC-B-05-07-200430 18.77

Voltage SIR,El+
315.9419
3.351e+005



200612D1_6
PDI-068SC-B-05-07-200430 2000995-05RE1 PDI-068SC-B-05-07-200430 18.77

Voltage SIR,El+
317.939
4.307e+005

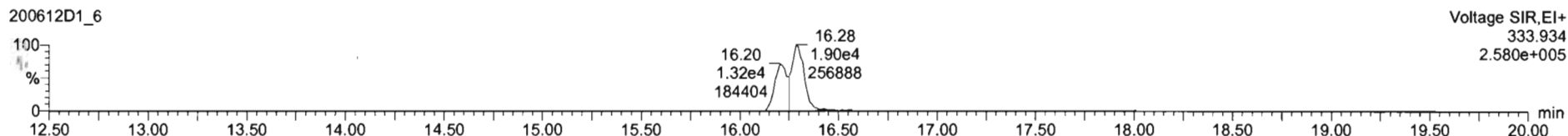
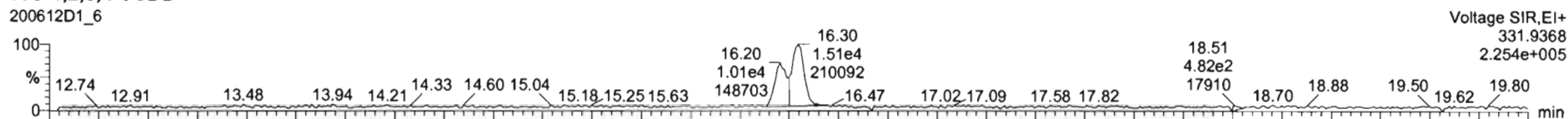


Dataset: U:\VG7.PRO\Results\200612D1\200612D1_6.qld

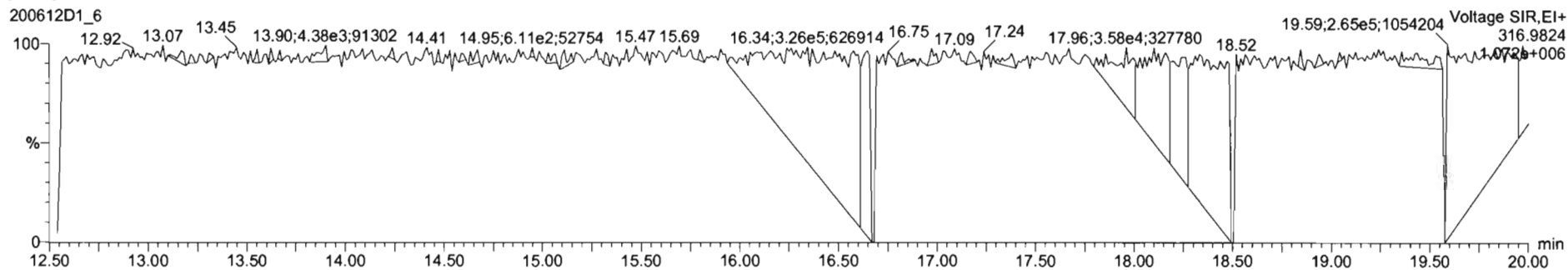
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Printed: Friday, June 12, 2020 14:20:06 Pacific Daylight Time

Name: 200612D1_6, Date: 12-Jun-2020, Time: 13:55:36, ID: 2000995-05RE1 PDI-068SC-B-05-07-200430 18.77, Description: PDI-068SC-B-05-07-200430

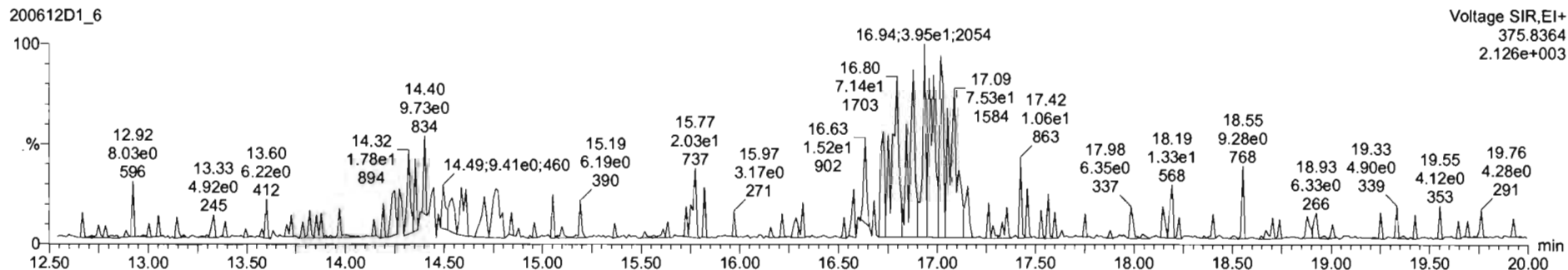
13C-1,2,3,4-TCDD



PFK1



DPE1



Dataset: U:\VG7.PRO\Results\200609D1\200609D1_20.qld

Last Altered: Wednesday, June 10, 2020 10:49:34 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 10:50:19 Pacific Daylight Time

DB 6/10/20 CT 06/15/2020

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: 200609D1_20, Date: 09-Jun-2020, Time: 23:29:18, ID: 2000995-08RE1 PDI-072SC-B-00-02-200430 18.83, Description: PDI-072SC-B-00-02-200430

#	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	1.22e3	0.79	NO	0.982	10.165	17.701	17.68	1.000	1.000	24.397		3.02	24.4
2	2 13C-2,3,7,8-TCDF	1.00e4	0.73	NO	1.08	10.165	17.736	17.68	1.133	1.135	136.12	69.2	8.07	
3	3 13C-1,2,3,4-TCDF	1.34e4	0.79	NO	1.00	10.165	15.660	15.58	1.000	1.000	196.75	100	8.74	

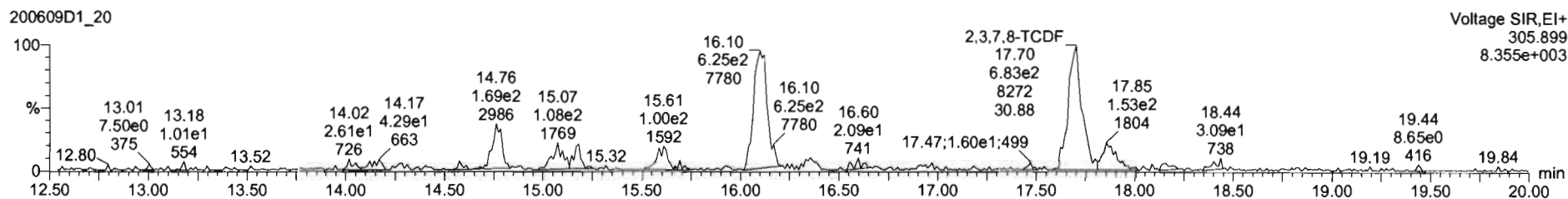
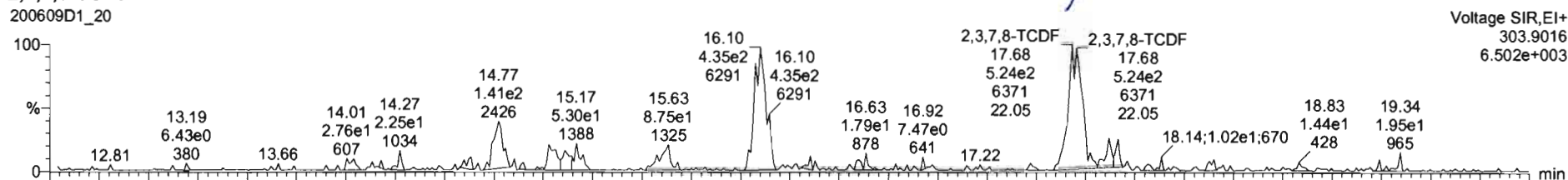
Dataset: U:\VG7.PRO\Results\200609D1\200609D1_20.qld

Last Altered: Wednesday, June 10, 2020 09:23:28 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 10:48:37 Pacific Daylight Time

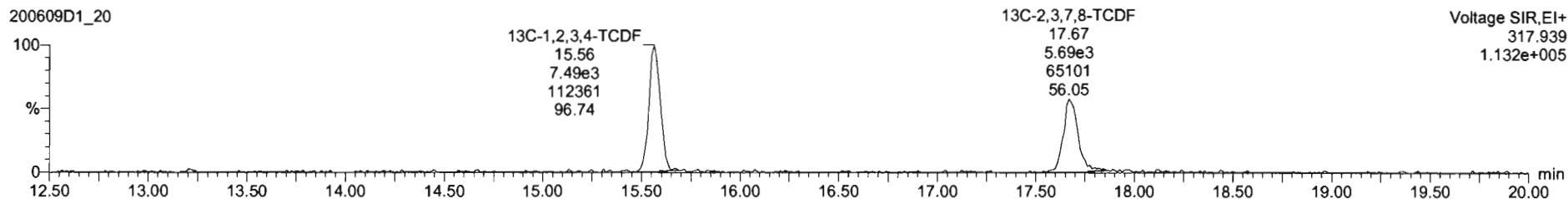
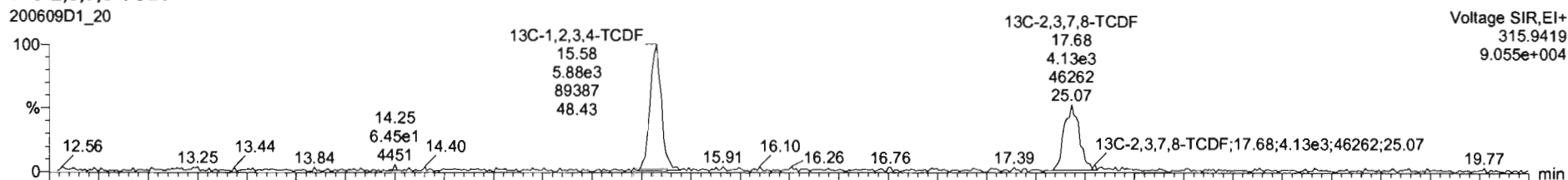
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

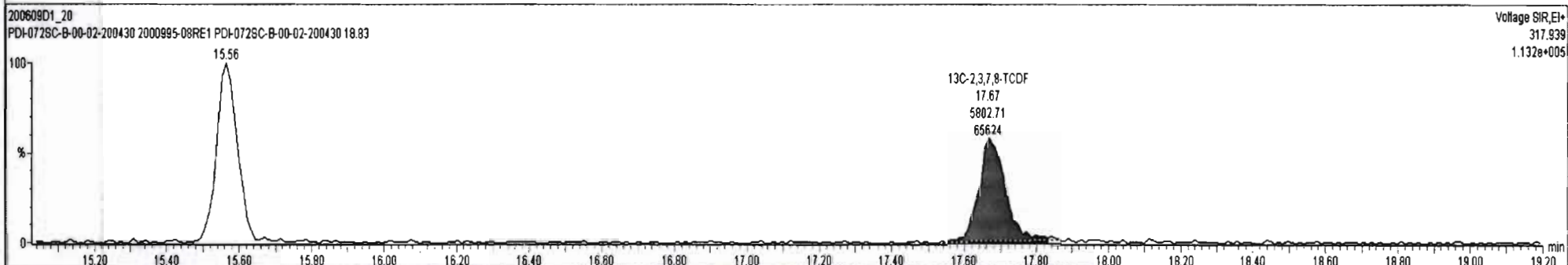
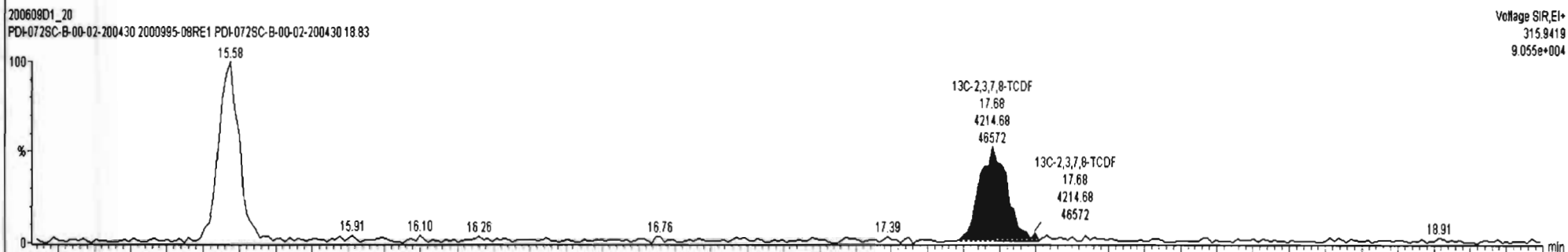
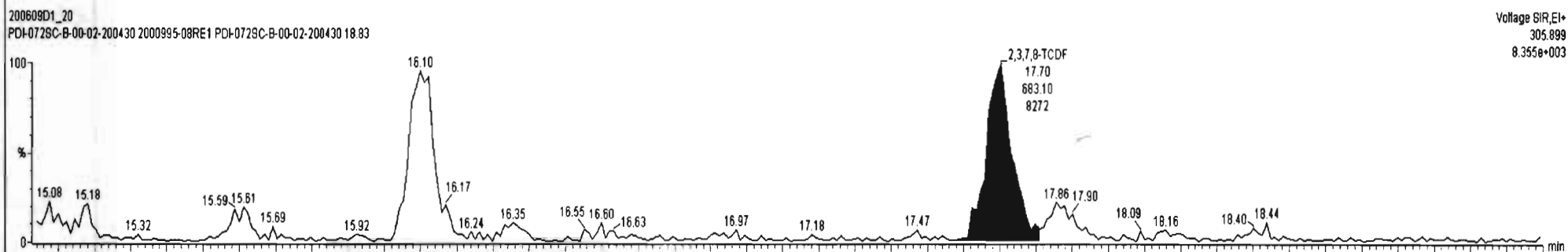
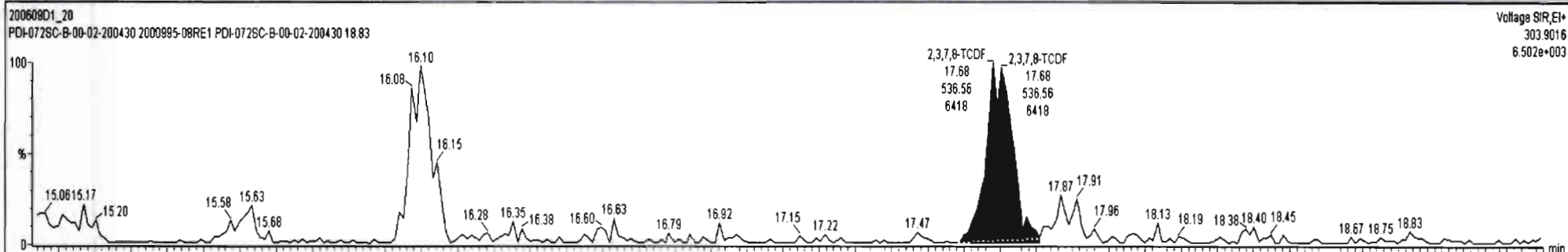
Name: 200609D1_20, Date: 09-Jun-2020, Time: 23:29:18, ID: 2000995-08RE1 PDI-072SC-B-00-02-200430 18.83, Description: PDI-072SC-B-00-02-200430

2,3,7,8-TCDF



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





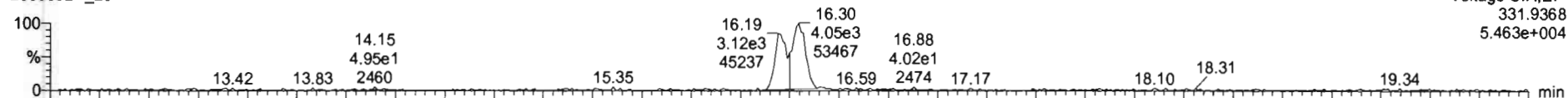
Dataset: U:\VG7.PRO\Results\200609D1\200609D1_20.qld

Last Altered: Wednesday, June 10, 2020 09:23:28 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 10:48:37 Pacific Daylight Time

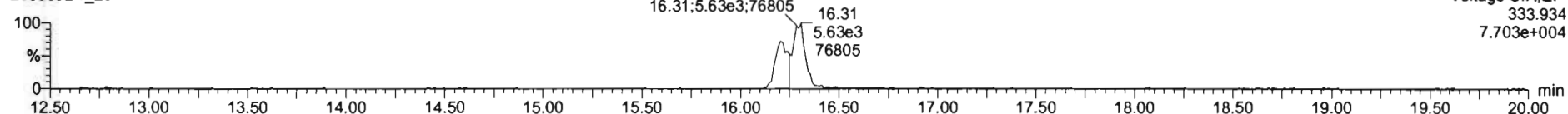
Name: 200609D1_20, Date: 09-Jun-2020, Time: 23:29:18, ID: 2000995-08RE1 PDI-072SC-B-00-02-200430 18.83, Description: PDI-072SC-B-00-02-200430

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

200609D1_20

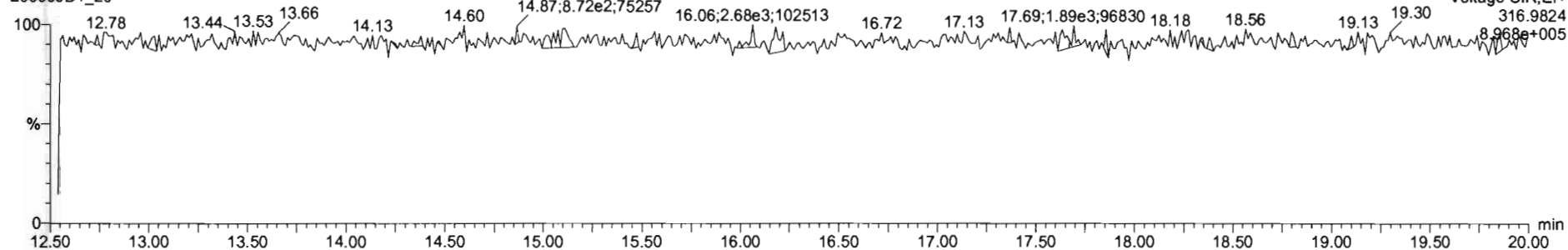


200609D1_20



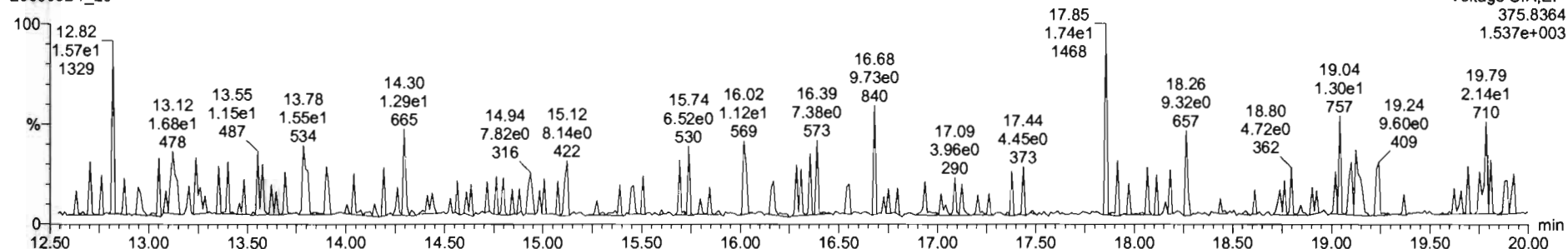
PFK1

200609D1_20



DPE1

200609D1_20



Dataset: U:\VG7.PRO\Results\200610D1\200610D1_4.qld

Last Altered: Wednesday, June 10, 2020 13:40:28 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 13:40:46 Pacific Daylight Time

DB 6/10/20 C7 06/15/2020

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: 200610D1_4, Date: 10-Jun-2020, Time: 13:13:05, ID: 2000995-09RE1 PDI-072SC-B-02-04-200430 17.07, Description: PDI-072SC-B-02-04-200430

#	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	3.83e3	0.74	NO	0.982	10.189	17.689	17.69	1.000	1.001	51.905		3.10	51.9
2	2 13C-2,3,7,8-TCDF	1.47e4	0.75	NO	1.08	10.189	17.724	17.67	1.133	1.135	142.76	72.7	5.67	
3	3 13C-1,2,3,4-TCDF	1.87e4	0.81	NO	1.00	10.189	15.660	15.56	1.000	1.000	196.30	100	6.14	

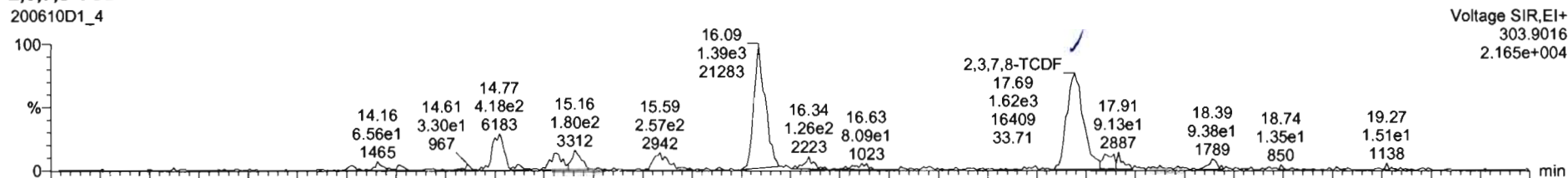
Dataset: U:\VG7.PRO\Results\200610D1\200610D1_4.qld

Last Altered: Wednesday, June 10, 2020 13:37:33 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 13:38:40 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

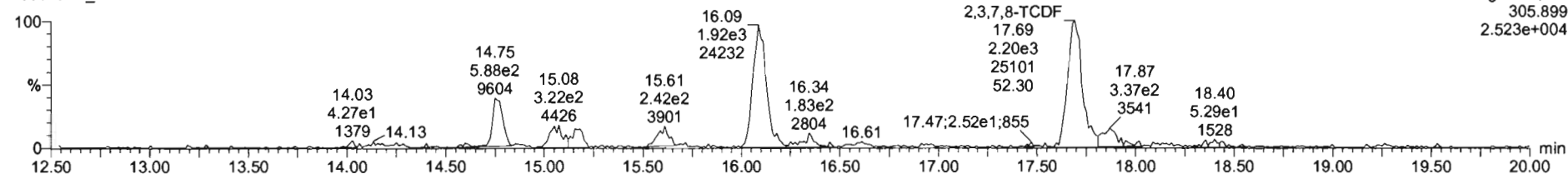
Name: 200610D1_4, Date: 10-Jun-2020, Time: 13:13:05, ID: 2000995-09RE1 PDI-072SC-B-02-04-200430 17.07, Description: PDI-072SC-B-02-04-200430

2,3,7,8-TCDF



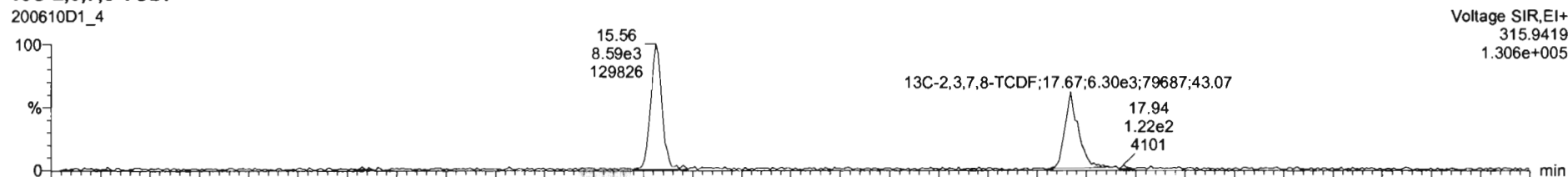
Voltage SIR,EI+
303.9016
2.165e+004

200610D1_4



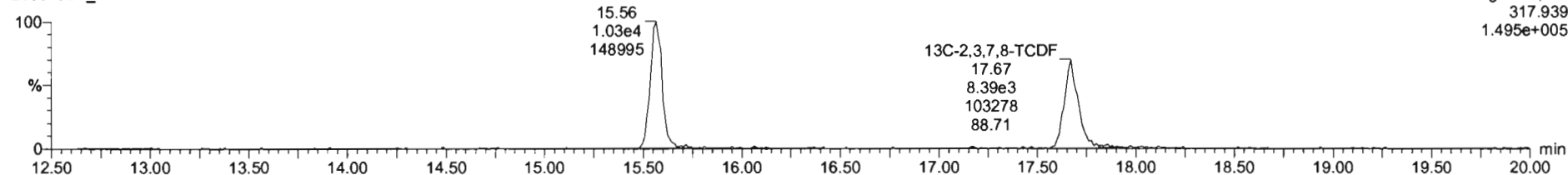
Voltage SIR,EI+
305.899
2.523e+004

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

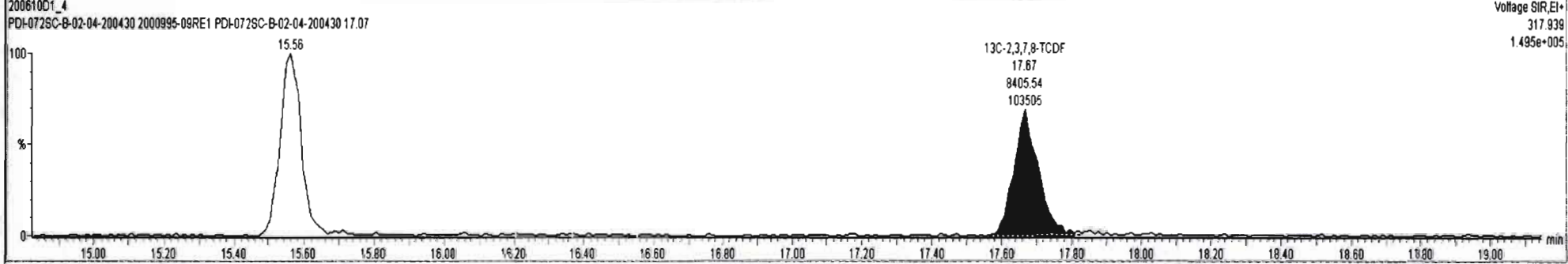
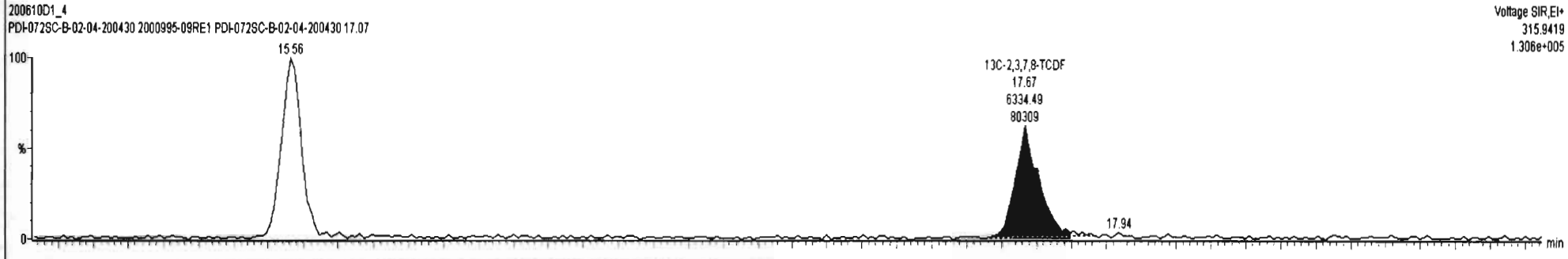
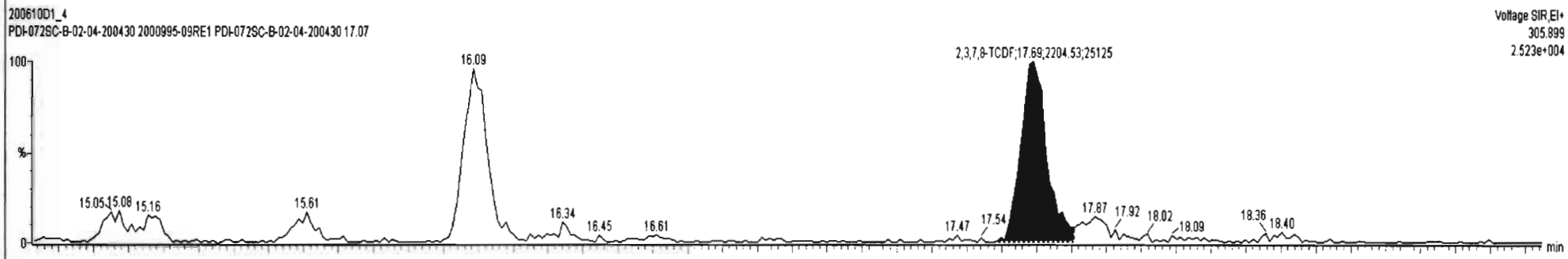
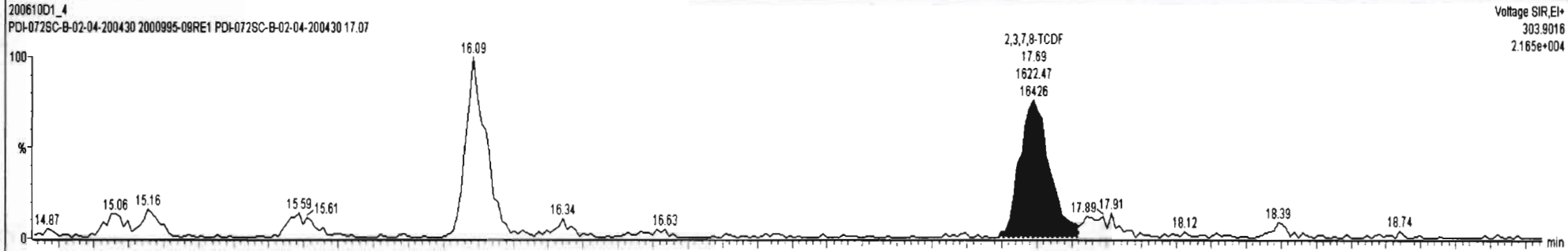


Voltage SIR,EI+
315.9419
1.306e+005

200610D1_4

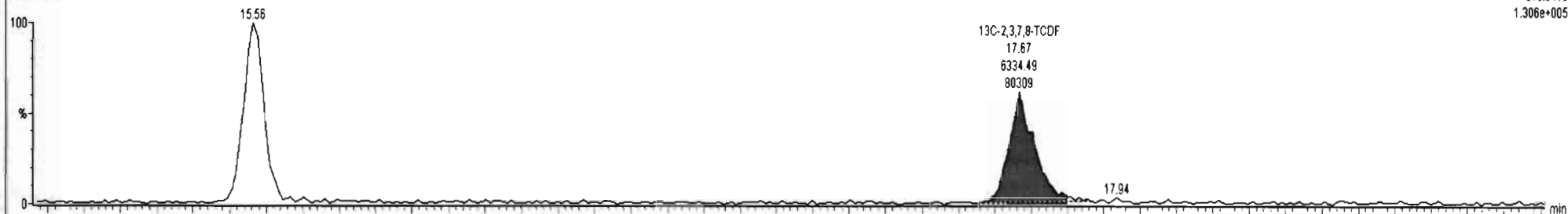


Voltage SIR,EI+
317.939
1.495e+005



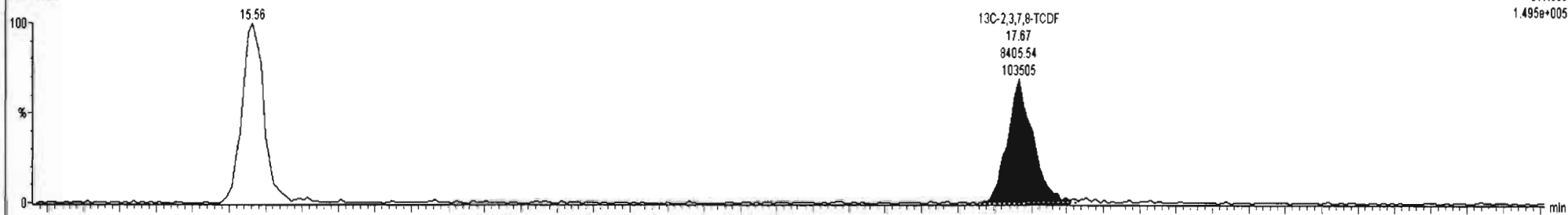
200610D1_4
PDI-072SC-B-02-04-200430 2000995-09RE1 PDI-072SC-B-02-04-200430 17.07

Voltage SIR,EI+
315.9419
1.306e+005



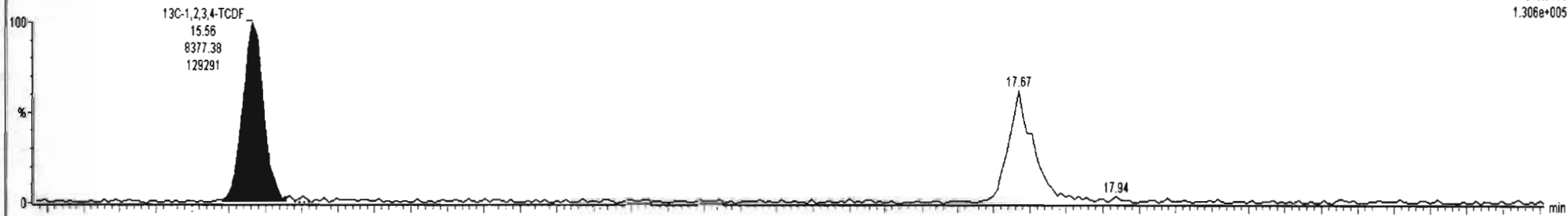
200810D1_4
PDI-072SC-B-02-04-200430 2000995-09RE1 PDI-072SC-B-02-04-200430 17.07

Voltage SIR,EI+
317.939
1.495e+005



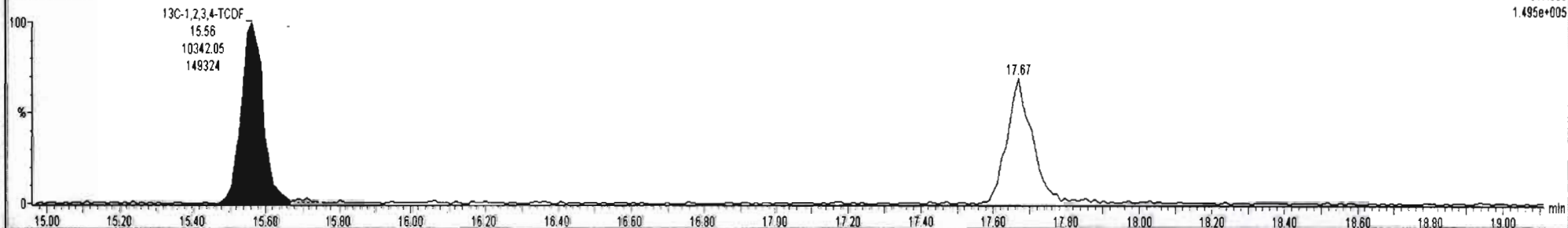
200810D1_4
PDI-072SC-B-02-04-200430 2000995-09RE1 PDI-072SC-B-02-04-200430 17.07

Voltage SIR,EI+
315.9419
1.306e+005



200610D1_4
PDI-072SC-B-02-04-200430 2000995-09RE1 PDI-072SC-B-02-04-200430 17.07

Voltage SIR,EI+
317.939
1.495e+005



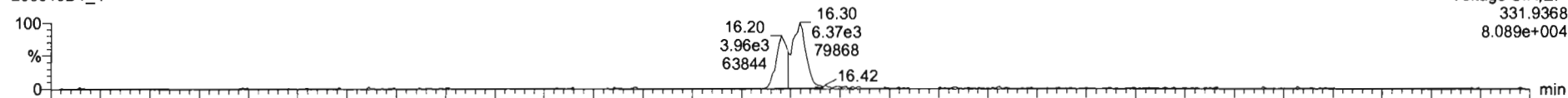
Dataset: U:\VG7.PRO\Results\200610D1\200610D1_4.qld

Last Altered: Wednesday, June 10, 2020 13:37:33 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 13:38:40 Pacific Daylight Time

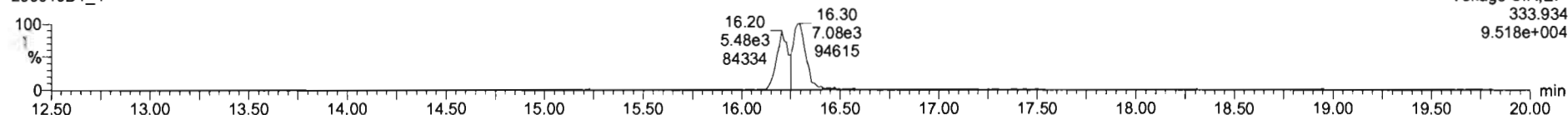
Name: 200610D1_4, Date: 10-Jun-2020, Time: 13:13:05, ID: 2000995-09RE1 PDI-072SC-B-02-04-200430 17.07, Description: PDI-072SC-B-02-04-200430

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

200610D1_4

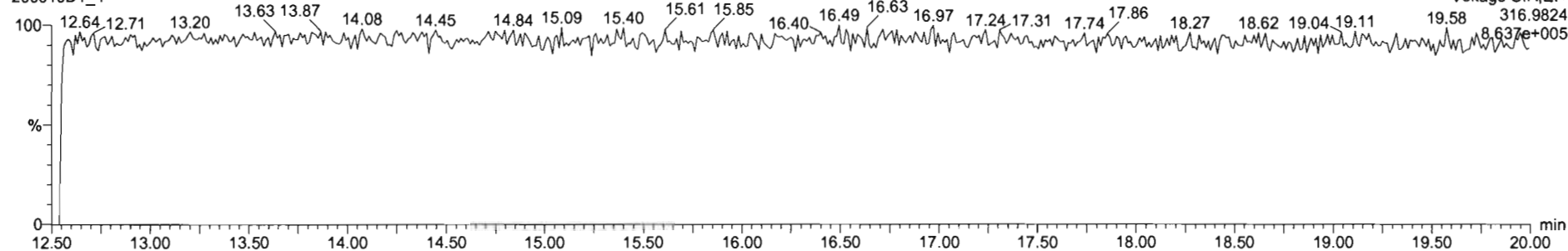


200610D1_4



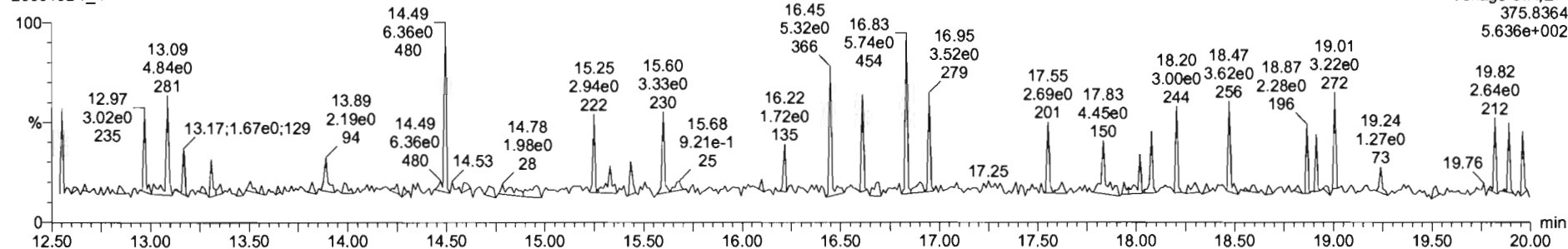
PFK1

200610D1_4



DPE1

200610D1_4



Dataset: U:\VG7.PRO\Results\200610D1\200610D1_5.qld

Last Altered: Wednesday, June 10, 2020 14:17:04 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 14:18:44 Pacific Daylight Time

DB 6/10/20

07 06/15/2020

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: 200610D1_5, Date: 10-Jun-2020, Time: 13:44:45, ID: 2000995-10RE1 PDI-072SC-B-04-06-200430 14.89, Description: PDI-072SC-B-04-06-200430

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R:RT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDF	9.10e3	0.80	NO	0.982	10.134	17.677	17.68	1.000	1.001	123.57		4.98	124
2	2 13C-2,3,7,8-TCDF	1.48e4	0.77	NO	1.08	10.134	17.712	17.66	1.133	1.135	140.02	71.0	6.57	
3	3 13C-1,2,3,4-TCDF	1.93e4	0.78	NO	1.00	10.134	15.660	15.55	1.000	1.000	197.36	100	7.11	

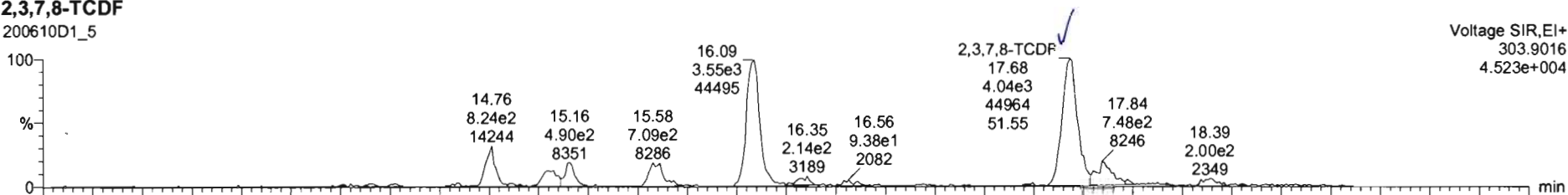
Dataset: U:\VG7.PRO\Results\200610D1\200610D1_5.qld

Last Altered: Wednesday, June 10, 2020 14:17:04 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 14:18:21 Pacific Daylight Time

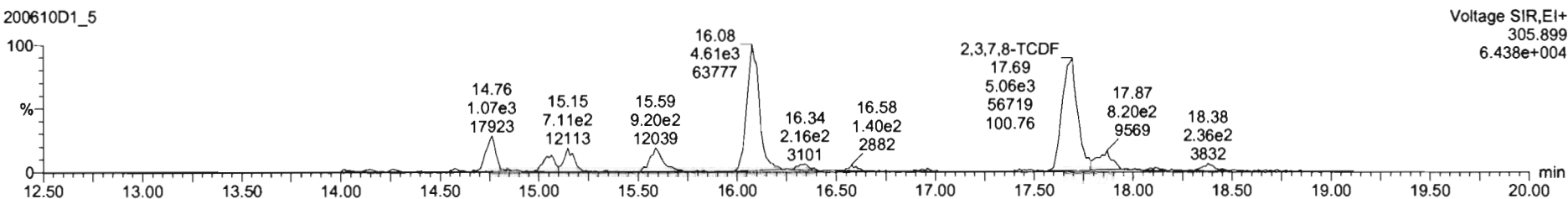
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200610D1_5, Date: 10-Jun-2020, Time: 13:44:45, ID: 2000995-10RE1 PDI-072SC-B-04-06-200430 14.89, Description: PDI-072SC-B-04-06-200430

2,3,7,8-TCDF
200610D1_5



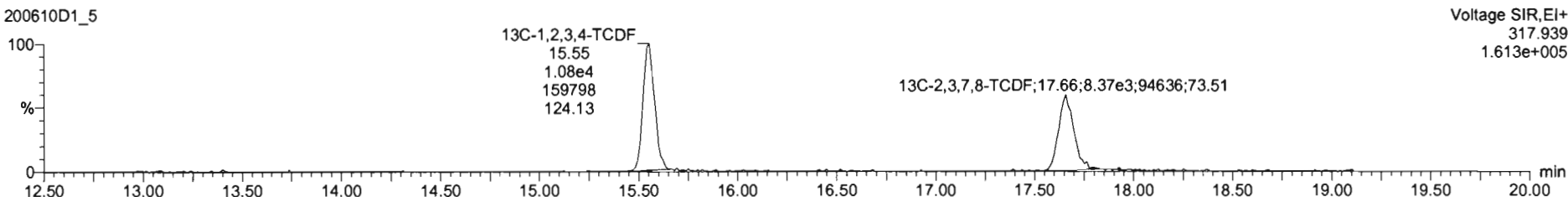
200610D1_5



13C-2,3,7,8-TCDF
200610D1_5



200610D1_5



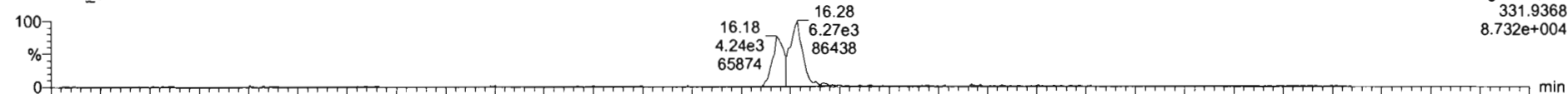
Dataset: U:\VG7.PRO\Results\200610D1\200610D1_5.qld

Last Altered: Wednesday, June 10, 2020 14:17:04 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 14:18:21 Pacific Daylight Time

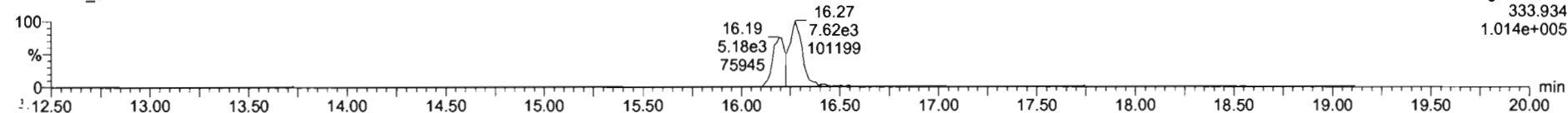
Name: 200610D1_5, Date: 10-Jun-2020, Time: 13:44:45, ID: 2000995-10RE1 PDI-072SC-B-04-06-200430 14.89, Description: PDI-072SC-B-04-06-200430

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

200610D1_5

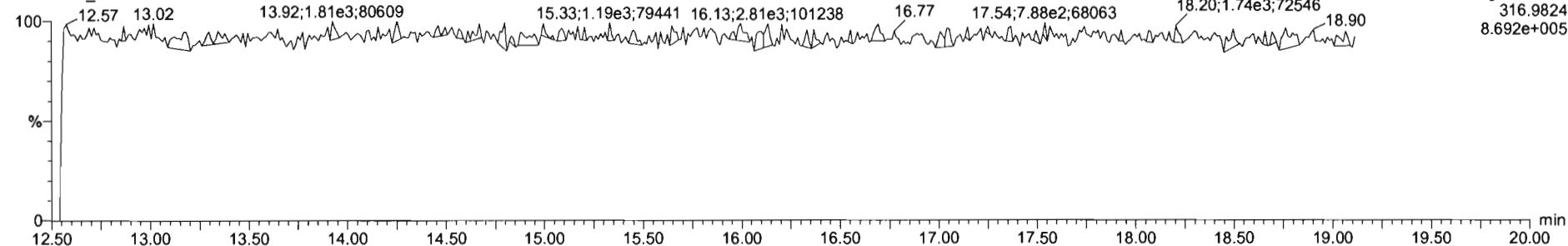


200610D1_5



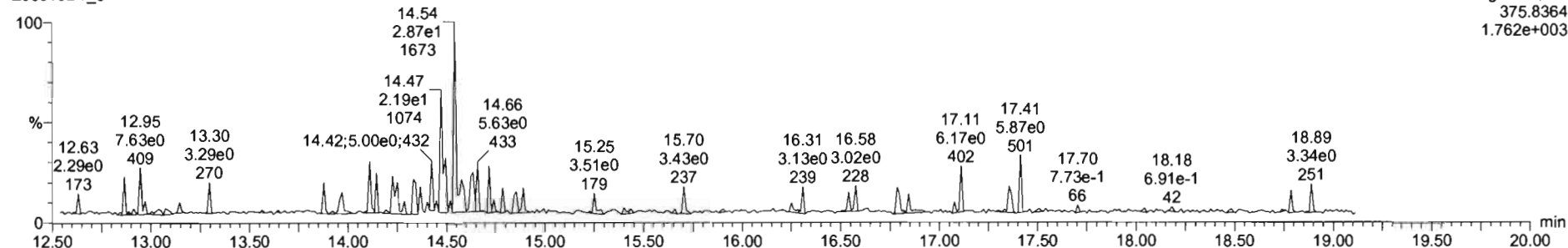
PFK1

200610D1_5



DPE1

200610D1_5



Dataset: U:\VG7.PRO\Results\200610D1\200610D1_8.qld

Last Altered: Wednesday, June 10, 2020 15:55:58 Pacific Daylight Time

Printed: Wednesday, June 10, 2020 15:56:21 Pacific Daylight Time

DB 6/10/20 C106/15/2020

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: 200610D1_8, Date: 10-Jun-2020, Time: 15:25:38, ID: B0E0079-DUP1RE1 Duplicate, Description: Duplicate

#	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	8.08e3	0.75	NO	0.982	10.086	17.712	17.72	1.000	1.001	115.90		4.51	116
2	2 13C-2,3,7,8-TCDF	1.41e4	0.82	NO	1.08	10.086	17.736	17.69	1.133	1.136	150.87	76.1	5.98	
3	3 13C-1,2,3,4-TCDF	1.71e4	0.77	NO	1.00	10.086	15.660	15.58	1.000	1.000	198.29	100	6.47	

Vista Analytical Laboratory VG-10

Dataset: U:\VG7.PRO\Results\200610D1\200610D1_8.qld

Last Altered: Wednesday, June 10, 2020 15:53:58 Pacific Daylight Time

Printed: Wednesday, June 10, 2020 15:55:06 Pacific Daylight Time

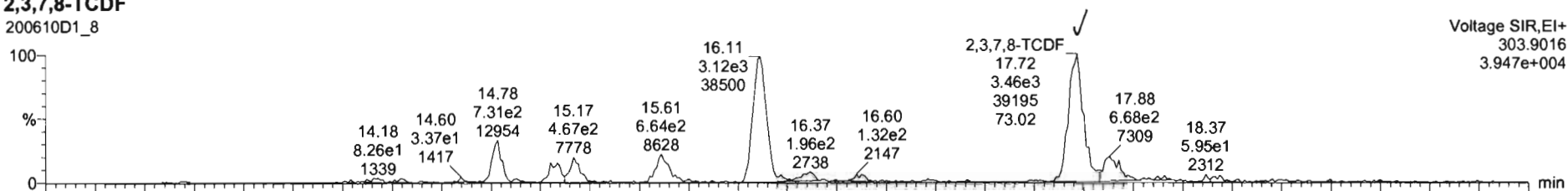
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19

Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

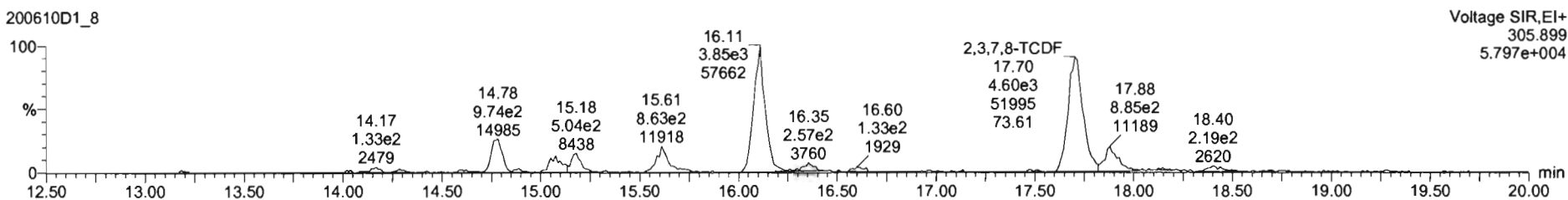
Name: 200610D1_8, Date: 10-Jun-2020, Time: 15:25:38, ID: B0E0079-DUP1RE1 Duplicate, Description: Duplicate

2,3,7,8-TCDF

200610D1_8



200610D1_8

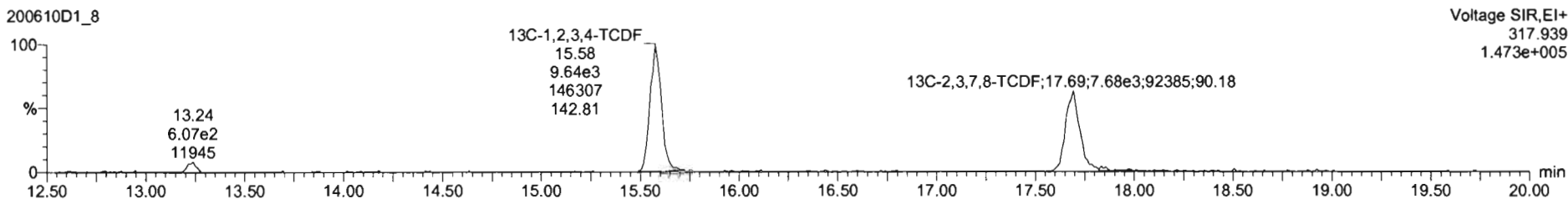


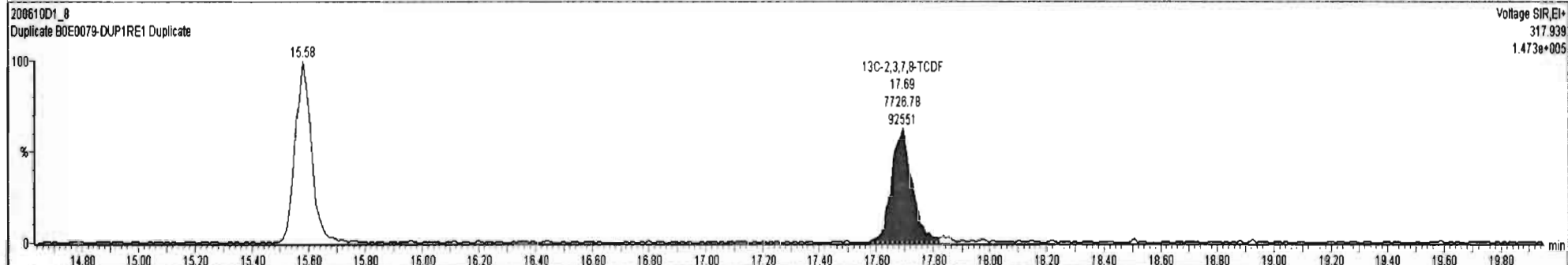
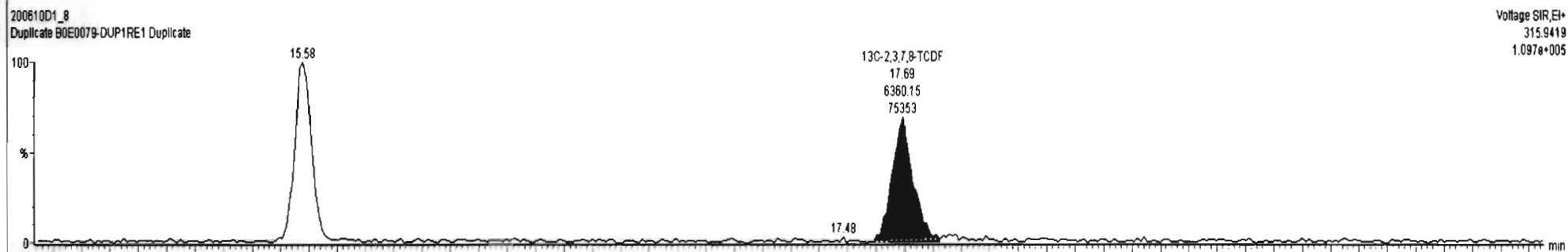
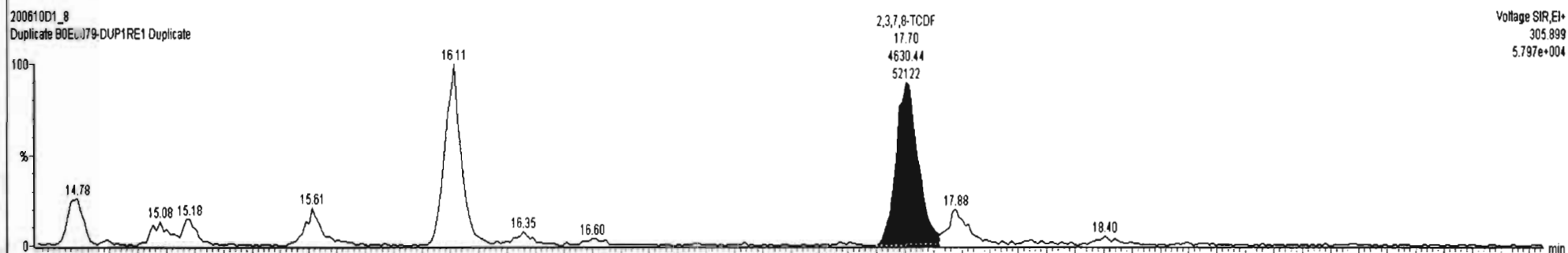
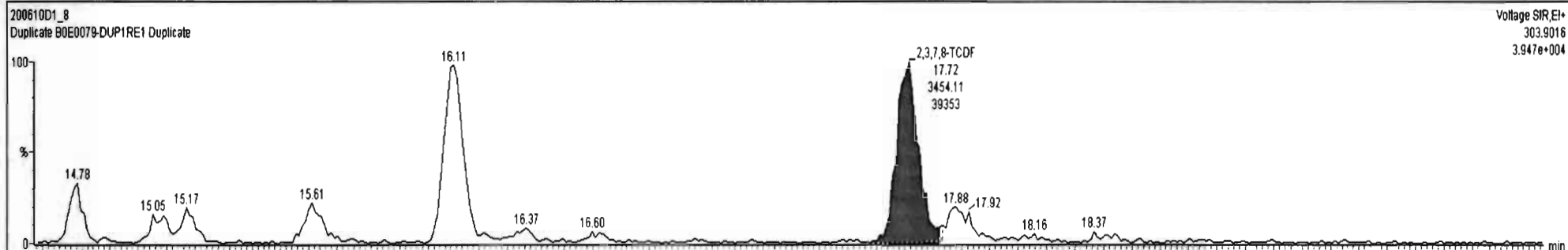
13C-2,3,7,8-TCDF

200610D1_8



200610D1_8



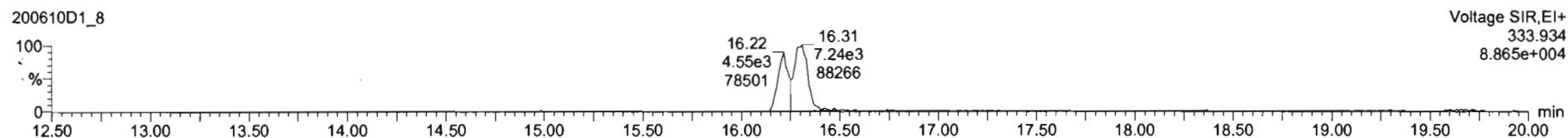
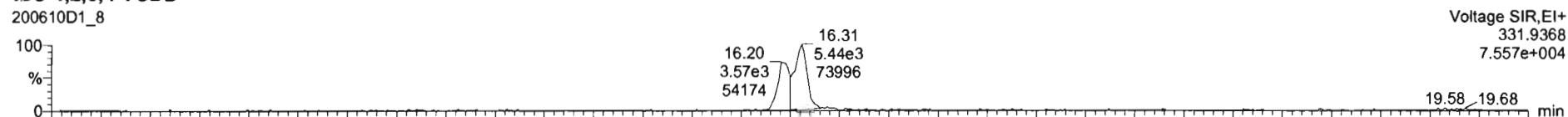


Dataset: U:\VG7.PRO\Results\200610D1\200610D1_8.qld

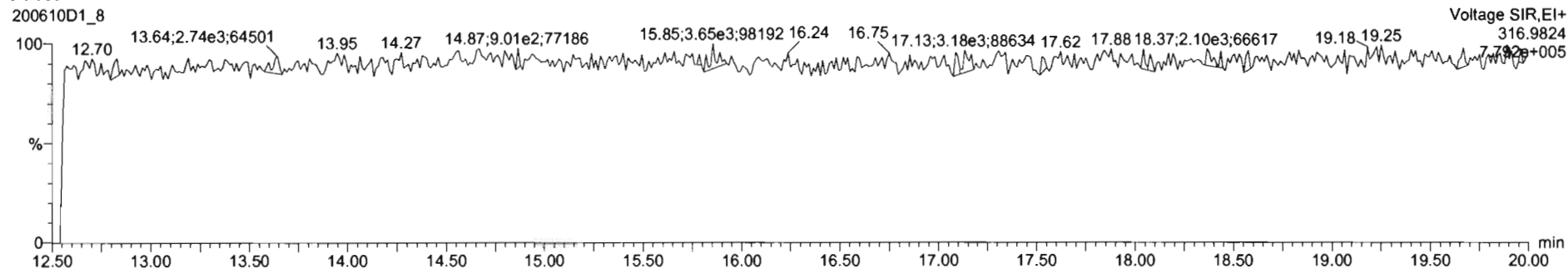
Last Altered: Wednesday, June 10, 2020 15:53:58 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 15:55:06 Pacific Daylight Time

Name: 200610D1_8, Date: 10-Jun-2020, Time: 15:25:38, ID: B0E0079-DUP1RE1 Duplicate, Description: Duplicate

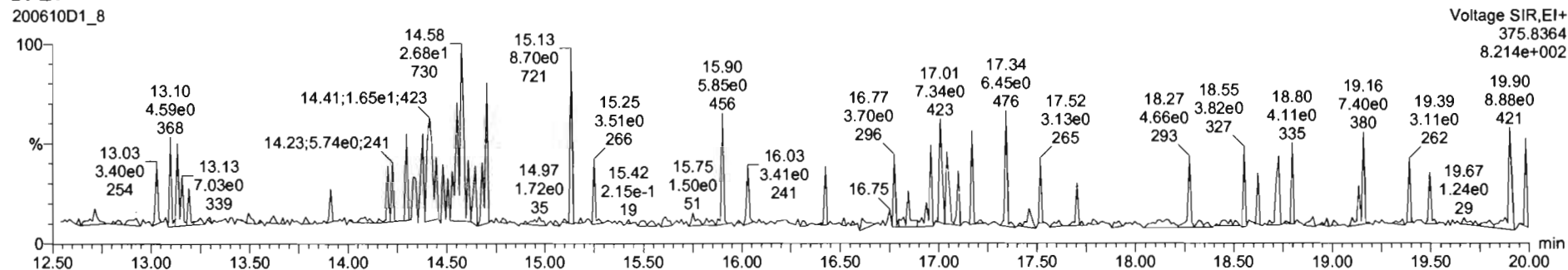
13C-1,2,3,4-TCDD



PFK1



DPE1



Dataset: U:\VG7.PRO\Results\200612D1\200612D1_7.qld

Last Altered: Friday, June 12, 2020 14:57:35 Pacific Daylight Time

Printed: Friday, June 12, 2020 14:58:04 Pacific Daylight Time

DB 6/12/20

0706/15/2020

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: 200612D1_7, Date: 12-Jun-2020, Time: 14:27:06, ID: 2000995-11RE1 PDI-072SC-B-06-08-200430 14.24, Description: PDI-072SC-B-06-08-200430

#	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	1.63e2	0.76	NO	0.982	10.102	✓ 17.712	17.72	1.000	1.001	1.0575		1.75	1.06
2	2 13C-2,3,7,8-TCDF	3.10e4	0.76	NO	1.08	10.102	17.736	17.69	1.133	1.136	107.09	54.1	3.74	
3	3 13C-1,2,3,4-TCDF	5.30e4	0.77	NO	1.00	10.102	15.660	15.58	1.000	1.000	197.97	100	4.05	

Dataset: U:\VG7.PRO\Results\200612D1\200612D1_7.qld

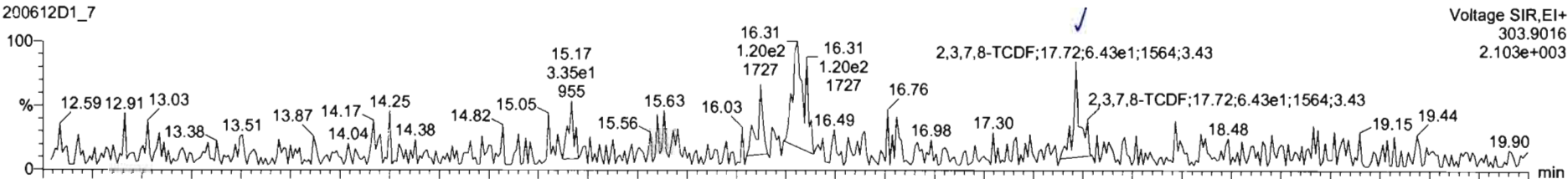
Last Altered: Friday, June 12, 2020 14:54:29 Pacific Daylight Time
Printed: Friday, June 12, 2020 14:55:39 Pacific Daylight Time

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

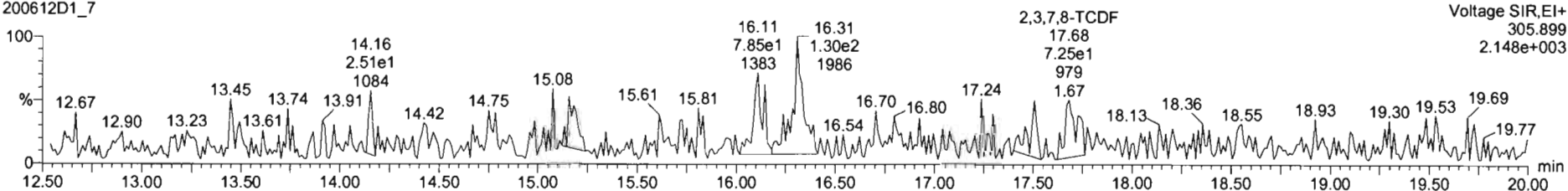
Name: 200612D1_7, Date: 12-Jun-2020, Time: 14:27:06, ID: 2000995-11RE1 PDI-072SC-B-06-08-200430 14.24, Description: PDI-072SC-B-06-08-200430

2,3,7,8-TCDF

200612D1_7

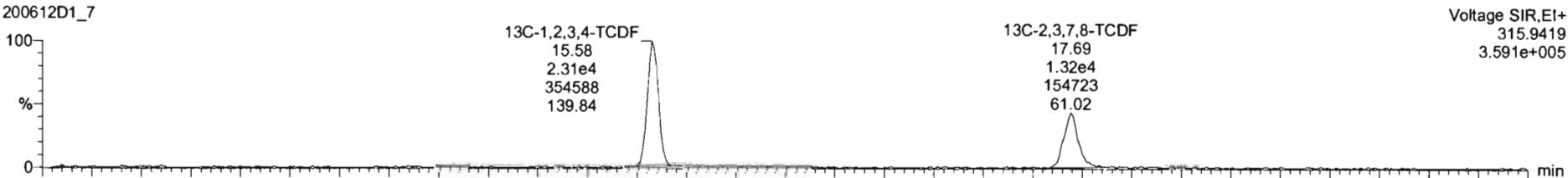


200612D1_7

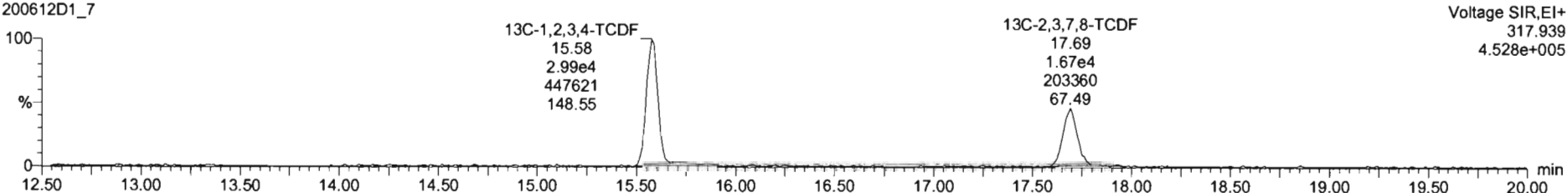


13C-2,3,7,8-TCDF

200612D1_7

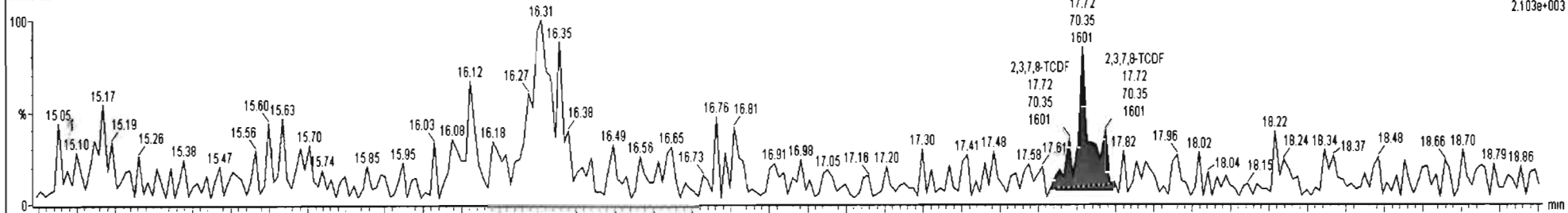


200612D1_7



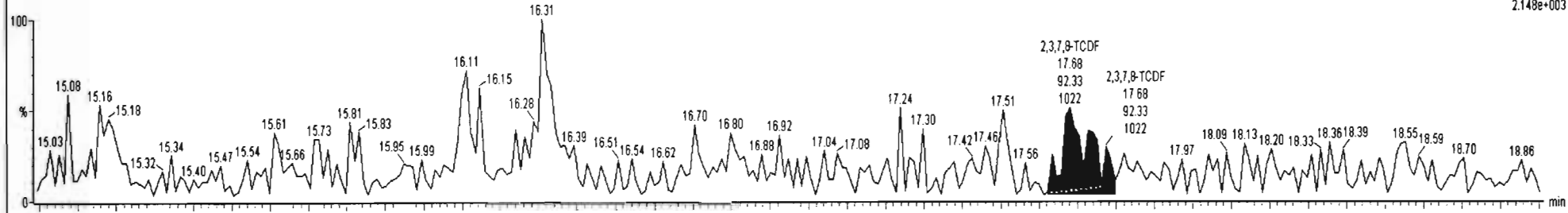
20061201_7
PDI-072SC-B-06-08-200430 2000995-11RE1 PDI-072SC-B-06-08-200430 14.24

Voltage SIR, EI+
303.9016
2.103e+003



20061201_7
PDI-072SC-B-06-08-200430 2000995-11RE1 PDI-072SC-B-06-08-200430 14.24

Voltage SIR, EI+
305.899
2.148e+003



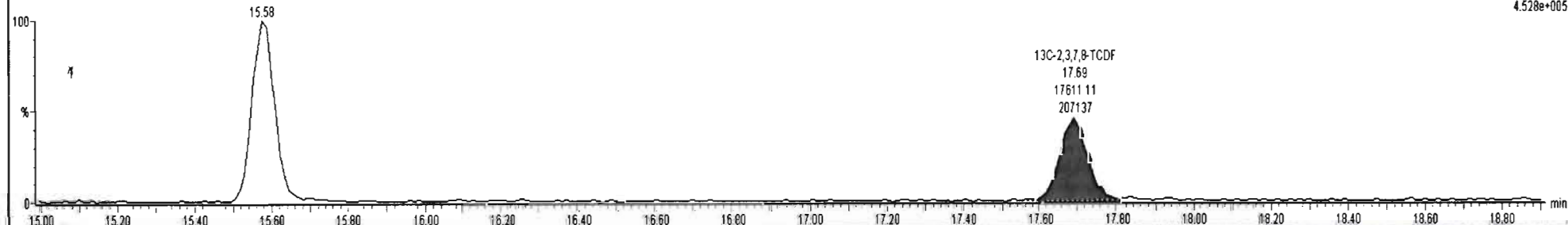
20061201_7
PDI-072SC-B-06-08-200430 2000995-11RE1 PDI-072SC-B-06-08-200430 14.24

Voltage SIR, EI+
315.9419
3.591e+005



20061201_7
PDI-072SC-B-06-08-200430 2000995-11RE1 PDI-072SC-B-06-08-200430 14.24

Voltage SIR, EI+
317.939
4.528e+005



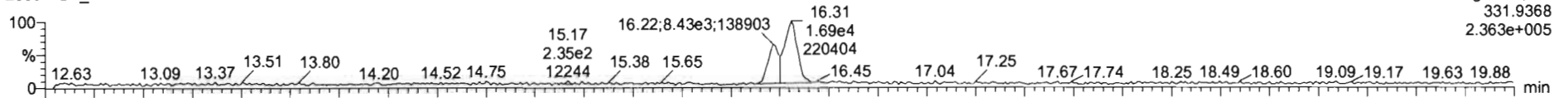
Dataset: U:\VG7.PRO\Results\200612D1\200612D1_7.qld

Last Altered: Friday, June 12, 2020 14:54:29 Pacific Daylight Time
Printed: Friday, June 12, 2020 14:55:39 Pacific Daylight Time

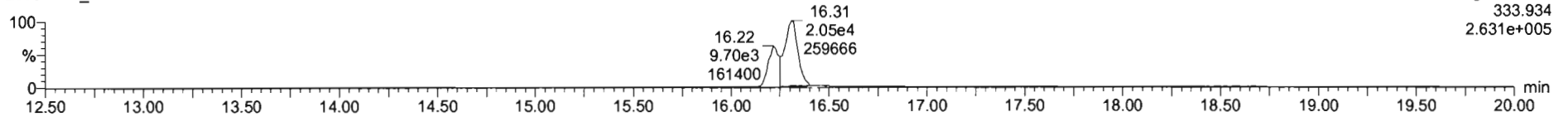
Name: 200612D1_7, Date: 12-Jun-2020, Time: 14:27:06, ID: 2000995-11RE1 PDI-072SC-B-06-08-200430 14.24, Description: PDI-072SC-B-06-08-200430

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

200612D1_7

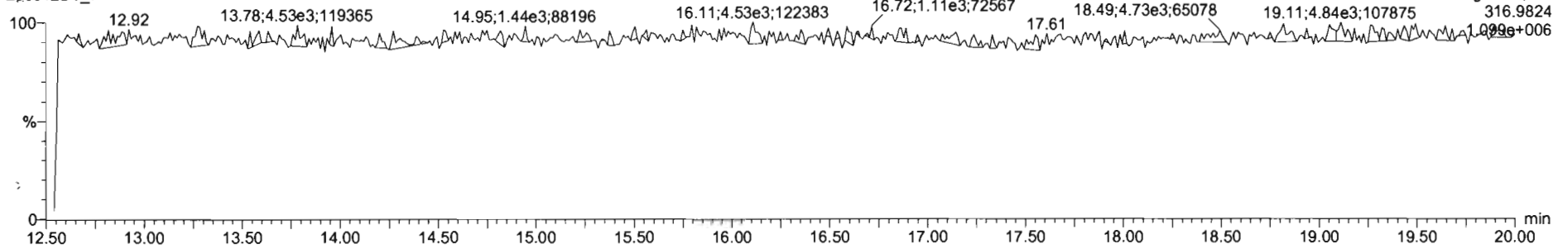


200612D1_7



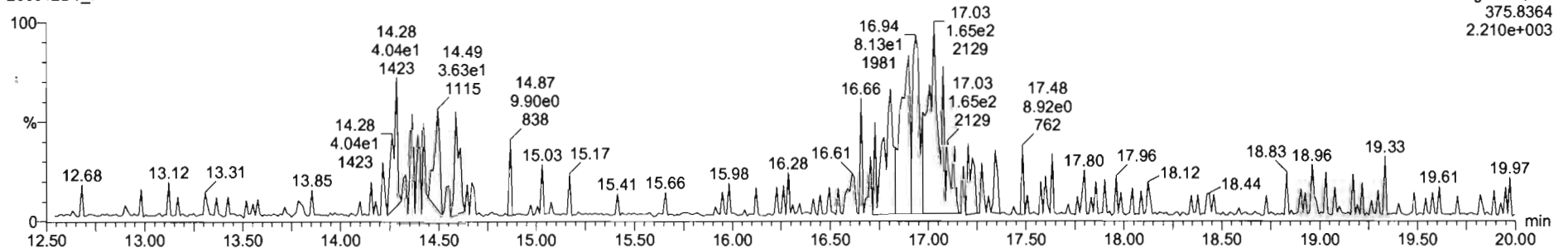
PFK1

200612D1_7



DPE1

200612D1_7



Dataset: U:\VG7.PRO\Results\200610D1\200610D1_7.qld

Last Altered: Wednesday, June 10, 2020 15:17:30 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 15:18:40 Pacific Daylight Time

DB 6/10/20

2706/15/2020

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: 200610D1_7, Date: 10-Jun-2020, Time: 14:55:36, ID: 2000995-12RE1 PDI-1072SC-B-02-04-200430 16.14, Description: PDI-1072SC-B-02-04-200430

#	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	2.72e3	0.74	NO	0.982	10.010	17.701	17.70	1.000	1.001	38.531		3.24	38.5
2	2 13C-2,3,7,8-TCDF	1.44e4	0.82	NO	1.08	10.010	17.736	17.68	1.133	1.135	142.76	71.5	5.14	
3	3 13C-1,2,3,4-TCDF	1.86e4	0.80	NO	1.00	10.010	15.660	15.58	1.000	1.000	199.79	100	5.57	

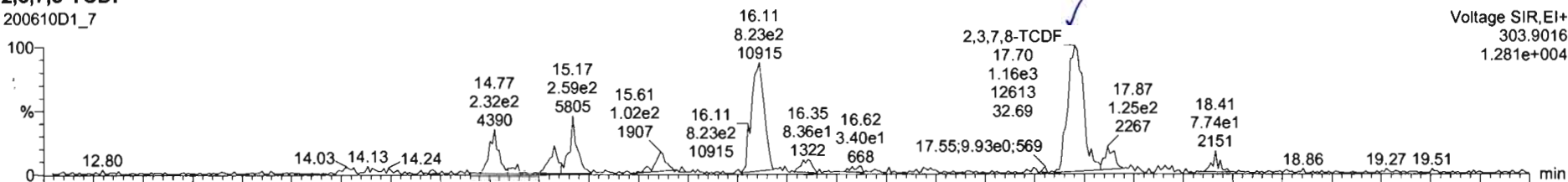
Dataset: U:\VG7.PRO\Results\200610D1\200610D1_7.qld

Last Altered: Wednesday, June 10, 2020 15:17:30 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 15:19:00 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

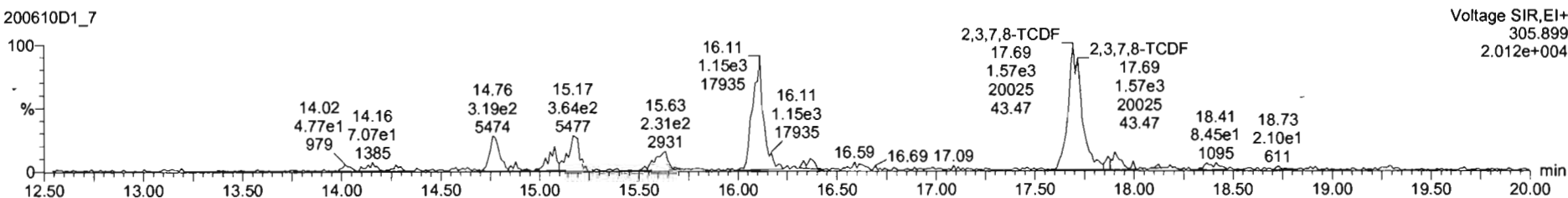
Name: 200610D1_7, Date: 10-Jun-2020, Time: 14:55:36, ID: 2000995-12RE1 PDI-1072SC-B-02-04-200430 16.14, Description: PDI-1072SC-B-02-04-200430

2,3,7,8-TCDF
200610D1_7



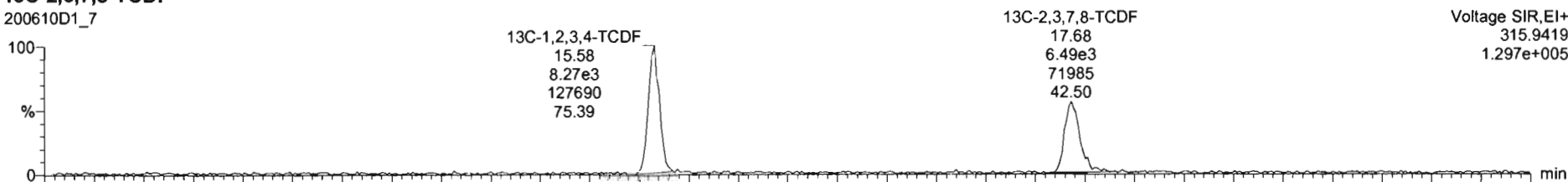
Voltage SIR, EI+
303.9016
1.281e+004

200610D1_7



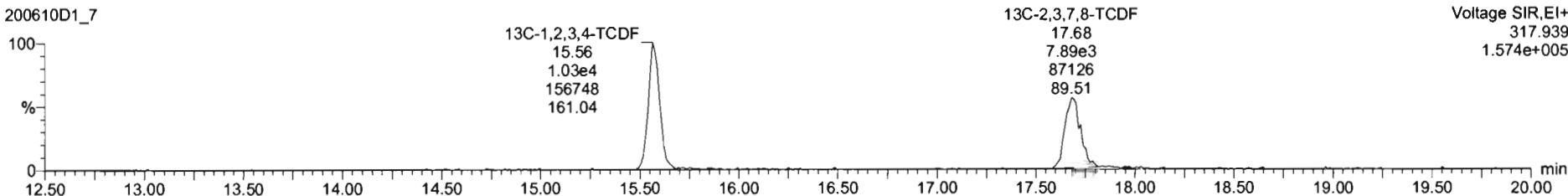
Voltage SIR, EI+
305.899
2.012e+004

13C-2,3,7,8-TCDF
200610D1_7



Voltage SIR, EI+
315.9419
1.297e+005

200610D1_7



Voltage SIR, EI+
317.939
1.574e+005

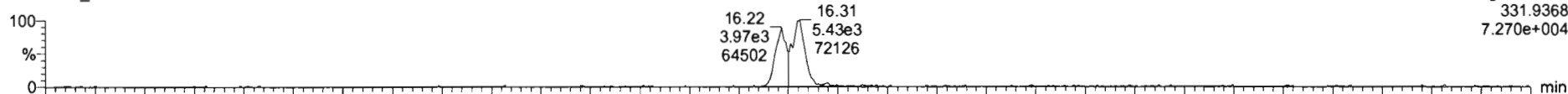
Dataset: U:\VG7.PRO\Results\200610D1\200610D1_7.qld

Last Altered: Wednesday, June 10, 2020 15:17:30 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 15:19:00 Pacific Daylight Time

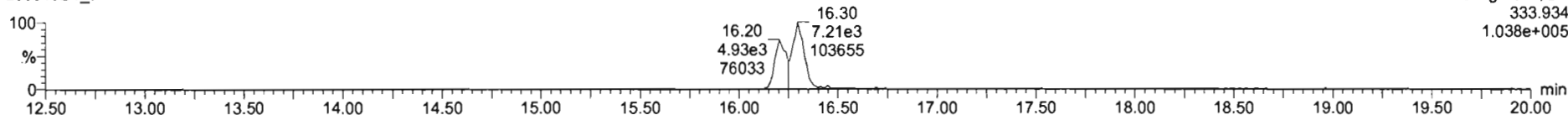
Name: 200610D1_7, Date: 10-Jun-2020, Time: 14:55:36, ID: 2000995-12RE1 PDI-1072SC-B-02-04-200430 16.14, Description: PDI-1072SC-B-02-04-200430

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

200610D1_7

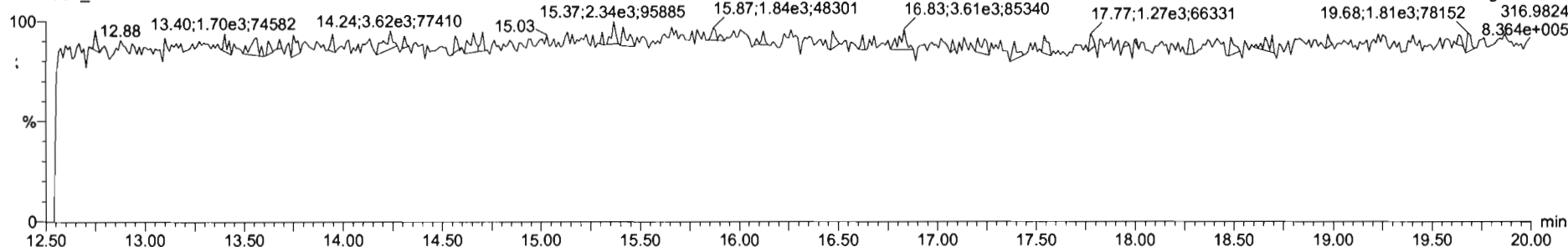


200610D1_7



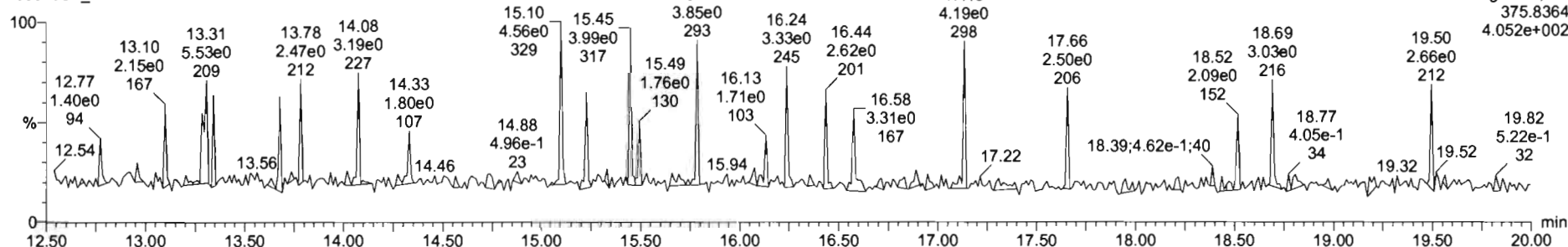
PFK1

200610D1_7



DPE1

200610D1_7



CONTINUING CALIBRATION

Dataset: U:\VG12.PRO\Results\200518R2\200518R2-2.qld

Last Altered: Monday, May 18, 2020 15:37:05 Pacific Daylight Time

Printed: Monday, May 18, 2020 15:37:20 Pacific Daylight Time

GPB 05/18/2020

CTW/19/2020

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: 200518R2_2, Date: 18-May-2020, Time: 14:46:59, ID: ST200518R2_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	1.54e5	1.73e6	0.76	NO	0.947	26.07	26.05	NO	1.001	1.001	9.4118	94.1	NO
2	2 1,2,3,7,8-PeCDD	5.75e5	1.33e6	0.62	NO	0.942	31.13	31.14	NO	1.001	1.001	45.791	91.6	NO
3	3 1,2,3,4,7,8-HxCDD	4.82e5	9.02e5	1.23	NO	1.06	34.51	34.51	NO	1.000	1.000	50.254	101	NO
4	4 1,2,3,6,7,8-HxCDD	5.23e5	1.23e6	1.22	NO	0.915	34.60	34.61	NO	1.000	1.000	46.665	93.3	NO
5	5 1,2,3,7,8,9-HxCDD	4.62e5	1.05e6	1.24	NO	0.915	34.88	34.89	NO	1.000	1.001	48.148	96.3	NO
6	6 1,2,3,4,6,7,8-HpCDD	3.55e5	8.20e5	1.04	NO	0.898	38.38	38.39	NO	1.000	1.001	48.222	96.4	NO
7	7 OCDD	6.77e5	1.48e6	0.88	NO	0.933	41.35	41.36	NO	1.000	1.000	98.196	98.2	NO
8	8 2,3,7,8-TCDF	1.74e5	2.26e6	0.74	NO	0.787	25.12	25.12	NO	1.001	1.001	9.7799	97.8	NO
9	9 1,2,3,7,8-PeCDF	8.38e5	1.89e6	1.55	NO	0.910	29.82	29.81	NO	1.001	1.001	48.623	97.2	NO
10	10 2,3,4,7,8-PeCDF	8.55e5	1.84e6	1.54	NO	0.966	30.84	30.82	NO	1.001	1.000	48.051	96.1	NO
11	11 1,2,3,4,7,8-HxCDF	5.76e5	1.22e6	1.21	NO	0.878	33.63	33.64	NO	1.000	1.000	53.959	108	NO
12	12 1,2,3,6,7,8-HxCDF	6.58e5	1.44e6	1.21	NO	0.874	33.76	33.76	NO	1.000	1.000	52.309	105	NO
13	13 2,3,4,6,7,8-HxCDF	6.16e5	1.27e6	1.22	NO	0.922	34.36	34.33	NO	1.001	1.000	52.850	106	NO
14	14 1,2,3,7,8,9-HxCDF	4.66e5	1.03e6	1.24	NO	0.864	35.22	35.23	NO	1.000	1.000	52.428	105	NO
15	15 1,2,3,4,6,7,8-HpCDF	4.49e5	9.70e5	1.01	NO	0.871	36.98	36.97	NO	1.001	1.001	53.131	106	NO
16	16 1,2,3,4,7,8,9-HpCDF	3.47e5	6.34e5	0.98	NO	1.01	38.96	38.97	NO	1.000	1.000	54.091	108	NO
17	17 OCDF	7.32e5	1.75e6	0.87	NO	0.802	41.53	41.56	NO	1.000	1.001	104.54	105	NO
18	18 13C-2,3,7,8-TCDD	1.73e6	1.47e6	0.78	NO	1.16	26.02	26.03	NO	1.026	1.027	101.21	101	NO
19	19 13C-1,2,3,7,8-PeCDD	1.33e6	1.47e6	0.63	NO	0.847	31.10	31.11	NO	1.227	1.227	107.06	107	NO
20	20 13C-1,2,3,4,7,8-HxCDD	9.02e5	1.27e6	1.28	NO	0.750	34.50	34.49	NO	1.014	1.014	94.701	94.7	NO
21	21 13C-1,2,3,6,7,8-HxCDD	1.23e6	1.27e6	1.27	NO	0.963	34.61	34.60	NO	1.017	1.017	100.27	100	NO
22	22 13C-1,2,3,7,8,9-HxCDD	1.05e6	1.27e6	1.26	NO	0.838	34.88	34.87	NO	1.025	1.025	98.603	98.6	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	8.20e5	1.27e6	1.04	NO	0.641	38.37	38.37	NO	1.128	1.128	100.74	101	NO
24	24 13C-OCDD	1.48e6	1.27e6	0.90	NO	0.586	41.36	41.35	NO	1.216	1.216	198.45	99.2	NO
25	25 13C-2,3,7,8-TCDF	2.26e6	2.12e6	0.78	NO	1.03	25.07	25.09	NO	0.989	0.990	103.25	103	NO
26	26 13C-1,2,3,7,8-PeCDF	1.89e6	2.12e6	1.57	NO	0.845	29.79	29.80	NO	1.176	1.176	105.88	106	NO
27	27 13C-2,3,4,7,8-PeCDF	1.84e6	2.12e6	1.59	NO	0.814	30.79	30.81	NO	1.215	1.215	106.88	107	NO
28	28 13C-1,2,3,4,7,8-HxCDF	1.22e6	1.27e6	0.51	NO	1.00	33.64	33.63	NO	0.989	0.989	95.255	95.3	NO
29	29 13C-1,2,3,6,7,8-HxCDF	1.44e6	1.27e6	0.51	NO	1.14	33.76	33.75	NO	0.992	0.992	99.709	99.7	NO
30	30 13C-2,3,4,6,7,8-HxCDF	1.27e6	1.27e6	0.51	NO	1.02	34.33	34.33	NO	1.009	1.009	97.476	97.5	NO
31	31 13C-1,2,3,7,8,9-HxCDF	1.03e6	1.27e6	0.51	NO	0.845	35.22	35.22	NO	1.035	1.035	95.978	96.0	NO

Dataset: U:\VG12.PRO\Results\200518R2\200518R2-2.qld

Last Altered: Monday, May 18, 2020 15:37:05 Pacific Daylight Time

Printed: Monday, May 18, 2020 15:37:20 Pacific Daylight Time

Sample ID: ST200518R2_2, Name: 200518R2_2, Date: 18-May-2020, Time: 14:46:59, ID: ST200518R2_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	9.70e5	1.27e6	0.44	NO	0.771	36.95	36.94	NO	1.086	1.086	99.100	99.1	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	6.34e5	1.27e6	0.44	NO	0.482	38.96	38.96	NO	1.145	1.145	103.53	104	NO
34	34 13C-OCDF	1.75e6	1.27e6	0.90	NO	0.669	41.53	41.53	NO	1.221	1.221	205.78	103	NO
35	35 37Cl-2,3,7,8-TCDD	1.61e5	1.47e6			1.10	26.05	26.05	NO	1.028	1.028	9.9794	99.8	NO
36	36 13C-1,2,3,4-TCDD	1.47e6	1.47e6	0.79	NO	1.00	25.35	25.35	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	2.12e6	2.12e6	0.79	NO	1.00	23.56	23.58	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	1.27e6	1.27e6	0.51	NO	1.00	34.00	34.02	NO	1.000	1.000	100.00	100	YES

Dataset: Untitled

Last Altered: Tuesday, May 19, 2020 07:23:54 Pacific Daylight Time
Printed: Tuesday, May 19, 2020 07:24:09 Pacific Daylight Time

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

Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	200518R2_1	SOLVENT BLANK	18-May-20	14:00:16
2	200518R2_2	ST200518R2_1 1613 CS3 19L2305	18-May-20	14:46:59
3	200518R2_3	B0E0079-BS1 OPR 10	18-May-20	15:35:11
4	200518R2_4	SOLVENT BLANK	18-May-20	16:21:26
5	200518R2_5	B0E0079-BLK1 Method Blank 10	18-May-20	17:07:38
6	200518R2_6	2000950-06 PDI-156SC-A-04-05-200423 11.04	18-May-20	17:53:49
7	200518R2_7	2000950-07 PDI-156SC-A-05-06-200423 11.02	18-May-20	18:40:00
8	200518R2_8	2000950-08 PDI-156SC-A-06-07-200423 11.7	18-May-20	19:26:14
9	200518R2_9	2000950-09 PDI-156SC-A-07-08-200423 12.81	18-May-20	20:12:24
10	200518R2_10	2000950-10 PDI-158SC-A-00-01-200423 12.88	18-May-20	20:58:36
11	200518R2_11	2000950-11 PDI-158SC-A-01-02-200423 11.36	18-May-20	21:44:47
12	200518R2_12	2000950-12 PDI-158SC-A-02-03-200423 12.52	18-May-20	22:30:59
13	200518R2_13	2000950-13 PDI-158SC-A-03-04-200423 12.06	18-May-20	23:17:11
14	200518R2_14	2000953-02RE1 PDI-165SC-A-01-02-200426 ...	19-May-20	00:03:23
15	200518R2_15	2000953-03RE1 PDI-165SC-A-02-03-200426 ...	19-May-20	00:49:34
16	200518R2_16	2000951-03RE1 PDI-159SC-A-01-02-200423 ...	19-May-20	01:35:46
17	200518R2_17	2000933-03RE4 PDI-154SC-A-01-02-200422 ...	19-May-20	02:21:57

Dataset: Untitled

Last Altered: Monday, May 18, 2020 15:33:53 Pacific Daylight Time

Printed: Monday, May 18, 2020 15:34:18 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: 200518R2_2, Date: 18-May-2020, Time: 14:46:59, ID: ST200518R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1 1,3,6,8-TCDD (First)	21.87
2	2 1,2,8,9-TCDD (Last)	27.04
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)	33.03
6	6 1,2,3,7,8,9-HxCDD (Last)	34.89
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.35
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.39
9	9 1,3,6,8-TCDF (First)	19.81
10	10 1,2,8,9-TCDF (Last)	27.19
11	11 1,3,4,6,8-PeCDF (First)	27.16
12	12 1,2,3,8,9-PeCDF (Last)	31.77
13	13 1,2,3,4,6,8-HxCDF (First)	32.47
14	14 1,2,3,7,8,9-HxCDF (Last)	35.23
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.97
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.97

Dataset: Untitled

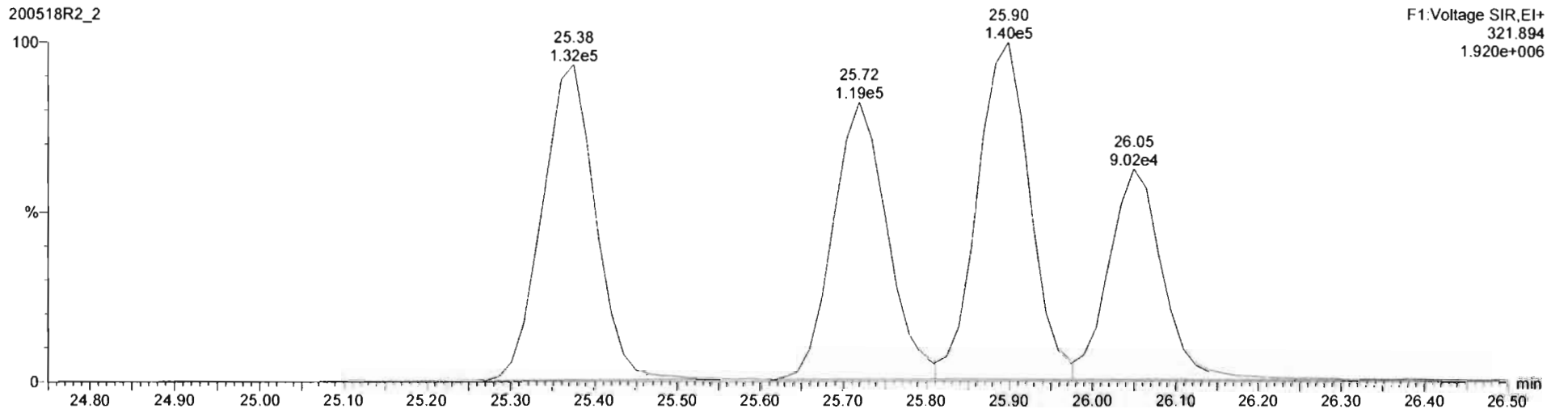
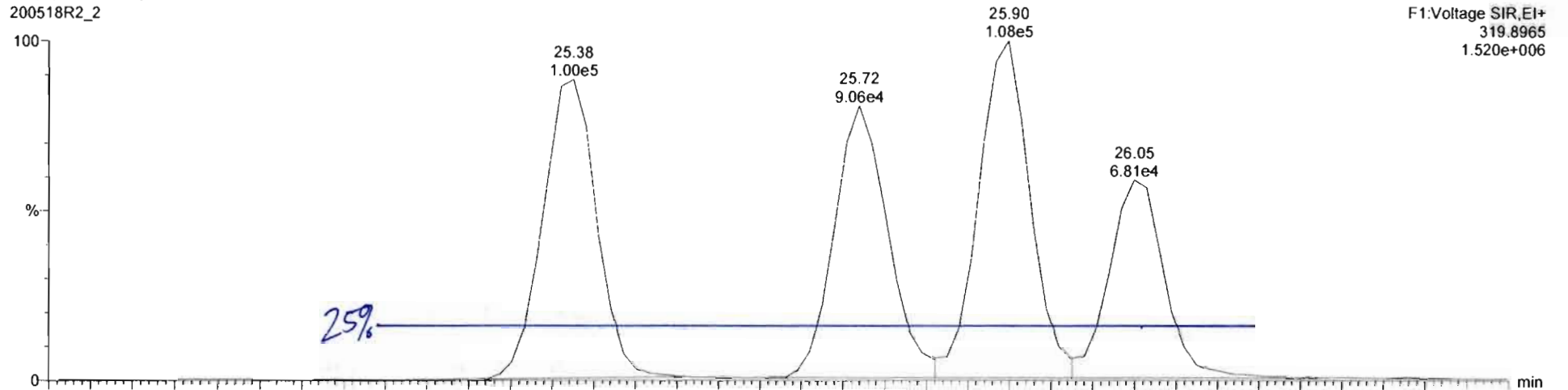
Last Altered: Monday, May 18, 2020 15:33:53 Pacific Daylight Time
Printed: Monday, May 18, 2020 15:34:18 Pacific Daylight Time

GRB 05/18/2020

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: 200518R2_2, Date: 18-May-2020, Time: 14:46:59, ID: ST200518R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,3,6,8-TCDD (First)



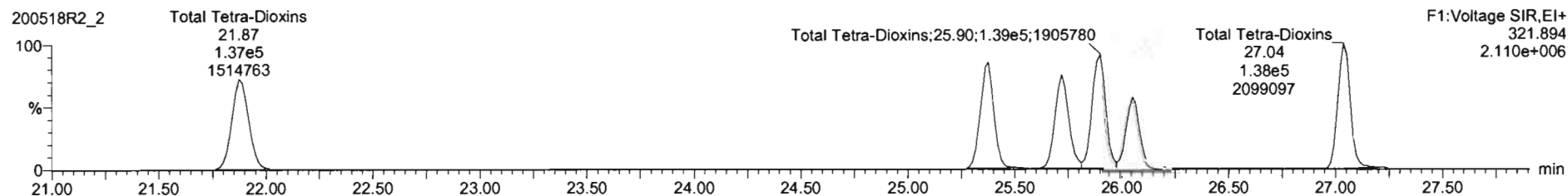
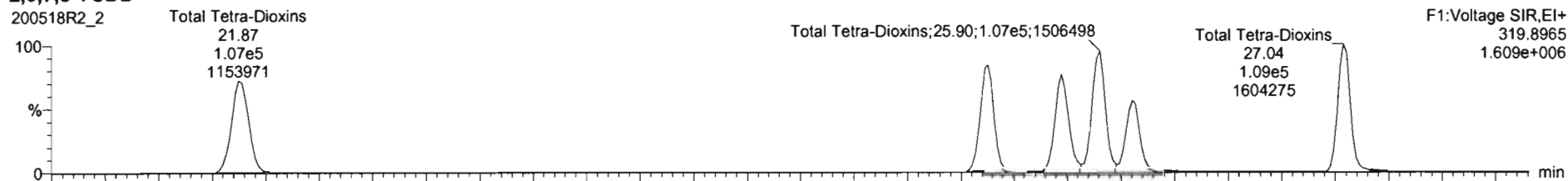
Dataset: Untitled

Last Altered: Monday, May 18, 2020 15:34:39 Pacific Daylight Time
Printed: Monday, May 18, 2020 15:34:42 Pacific Daylight Time

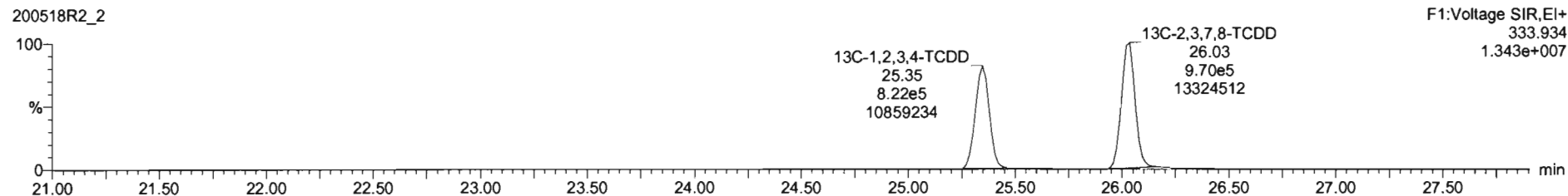
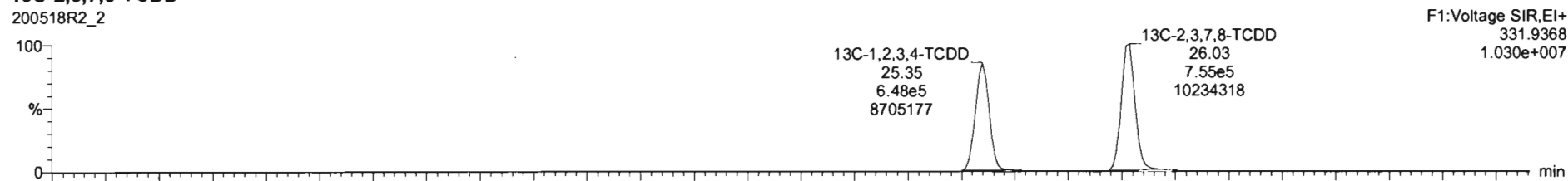
Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
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Name: 200518R2_2, Date: 18-May-2020, Time: 14:46:59, ID: ST200518R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDD



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



Dataset: Untitled

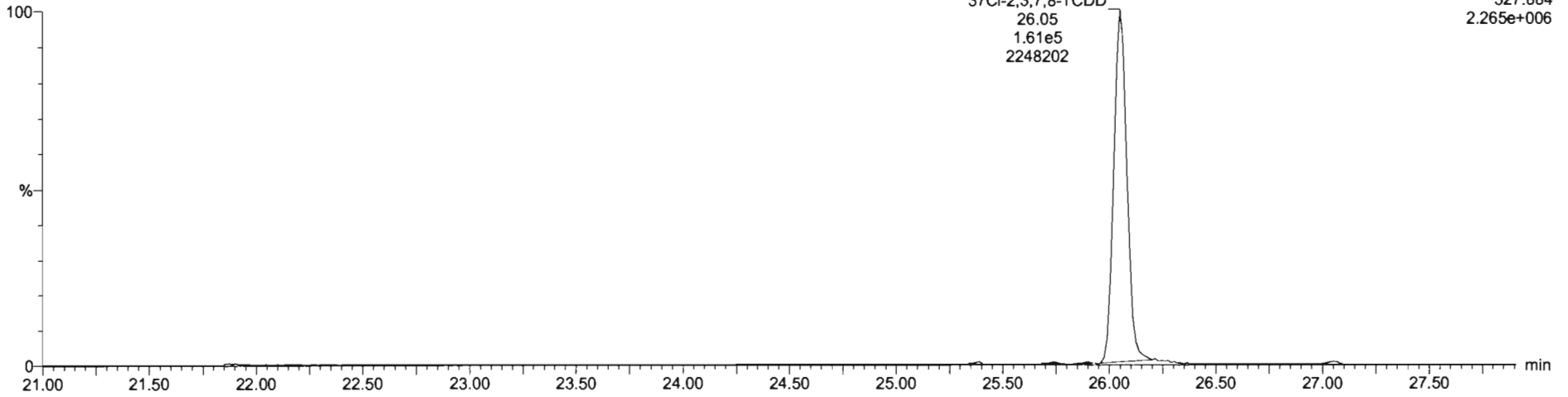
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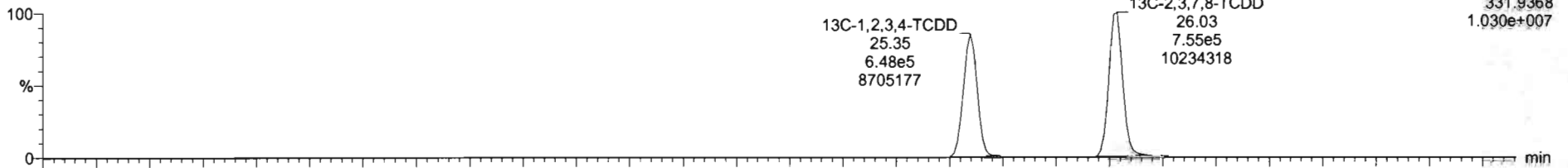
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200518R2_2

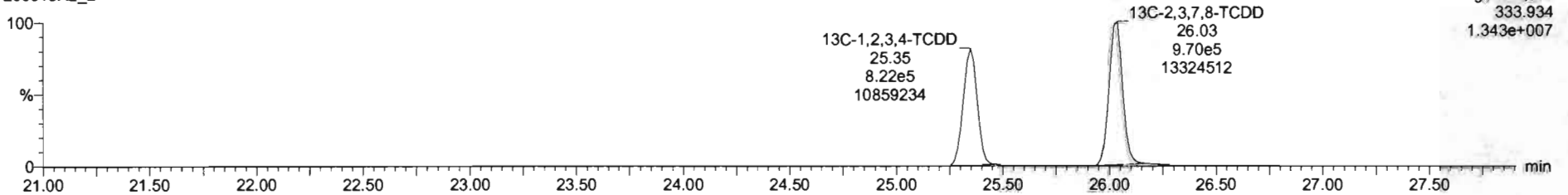


13C-1,2,3,4-TCDD

200518R2_2



200518R2_2



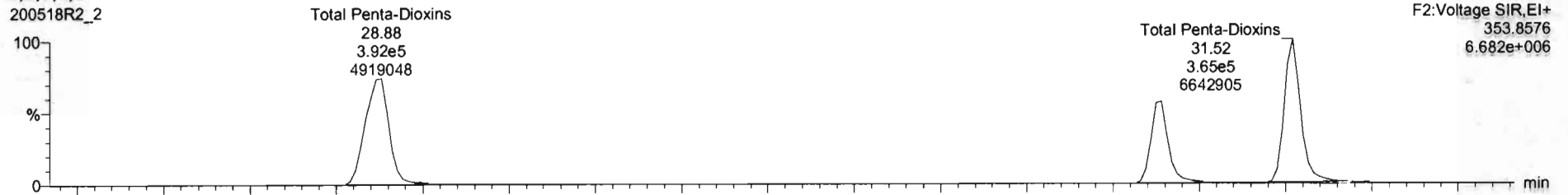
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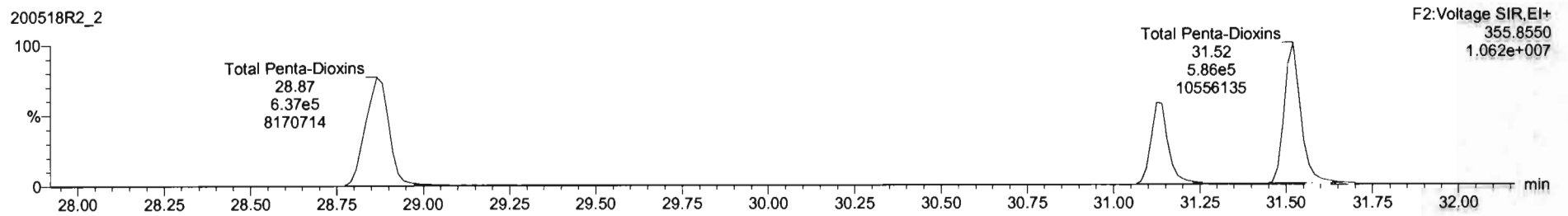
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1,2,3,7,8-PeCDD

200518R2_2

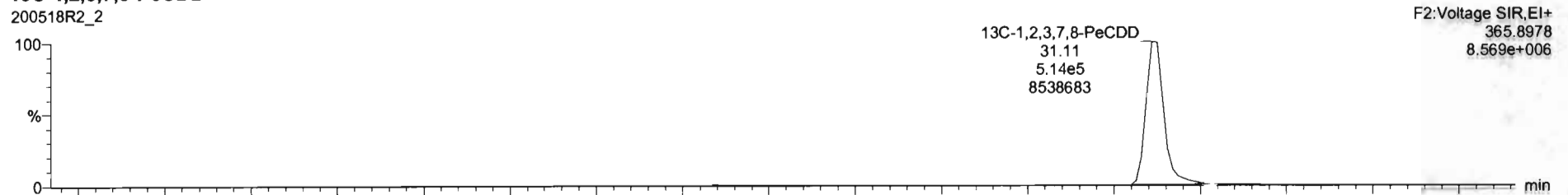


200518R2_2

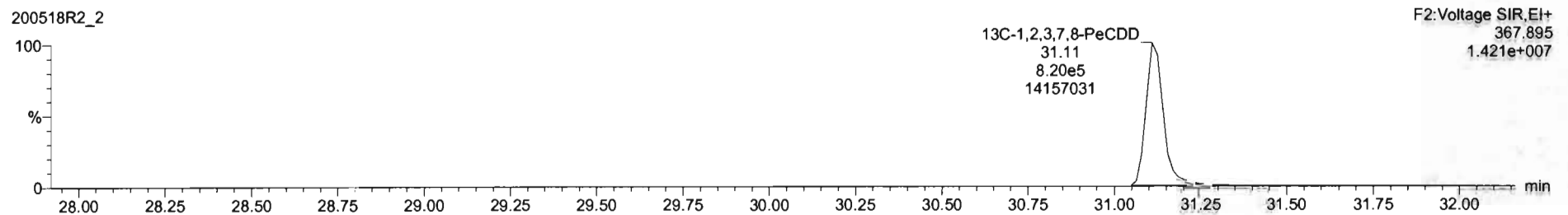


13C-1,2,3,7,8-PeCDD

200518R2_2



200518R2_2



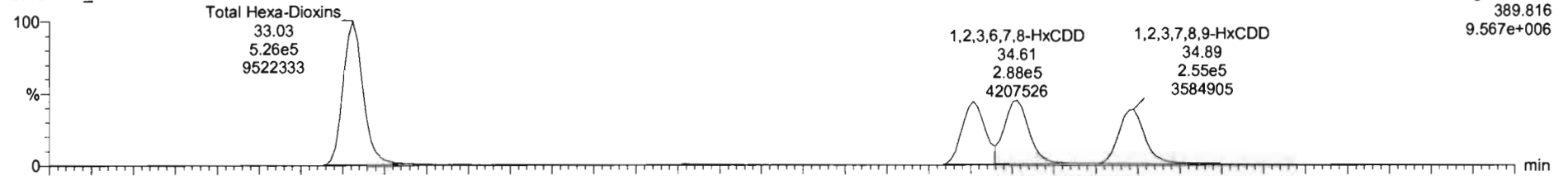
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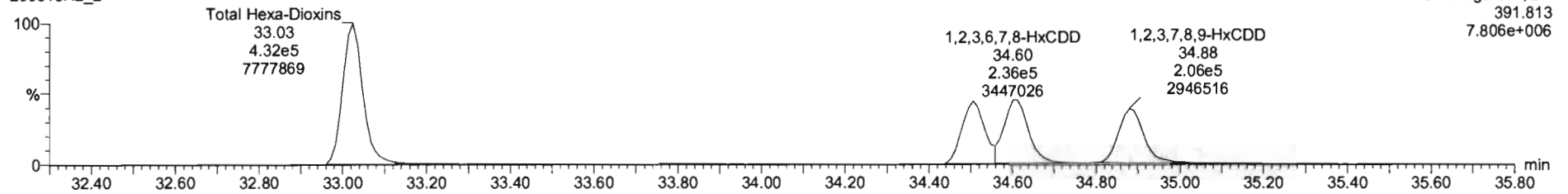
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1,2,3,4,7,8-HxCDD

200518R2_2

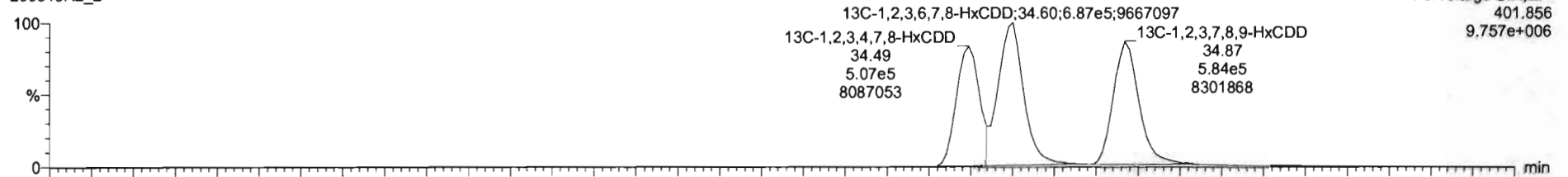


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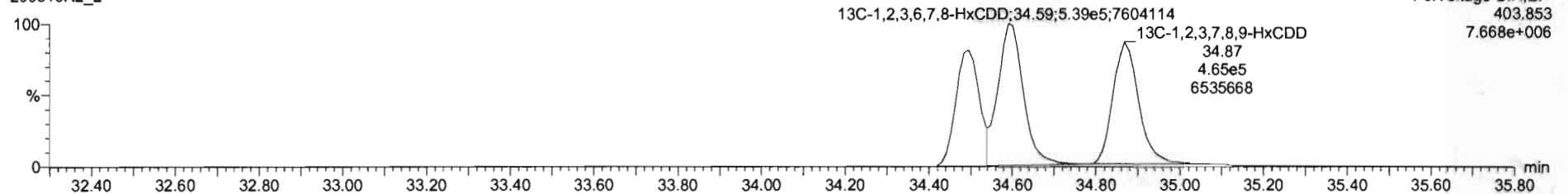


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200518R2_2



200518R2_2



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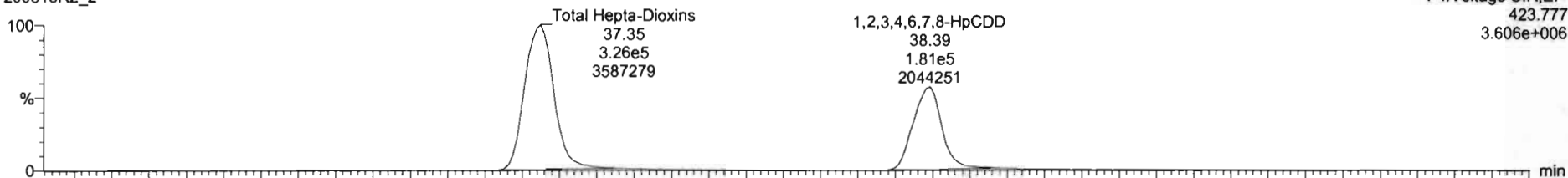
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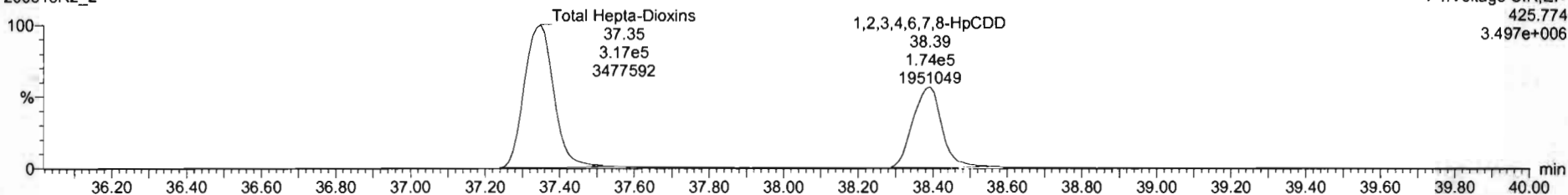
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1,2,3,4,6,7,8-HpCDD

200518R2_2

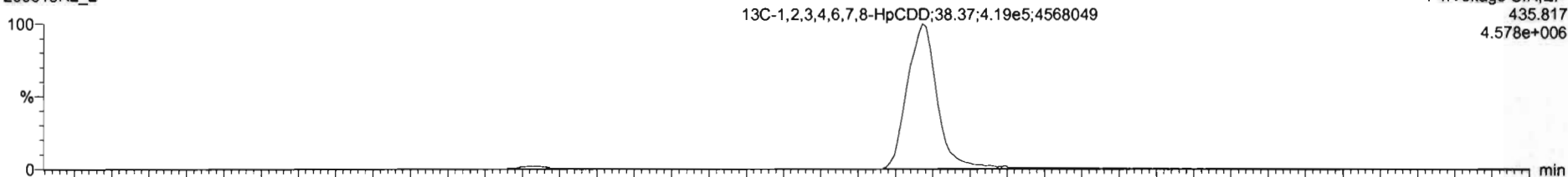


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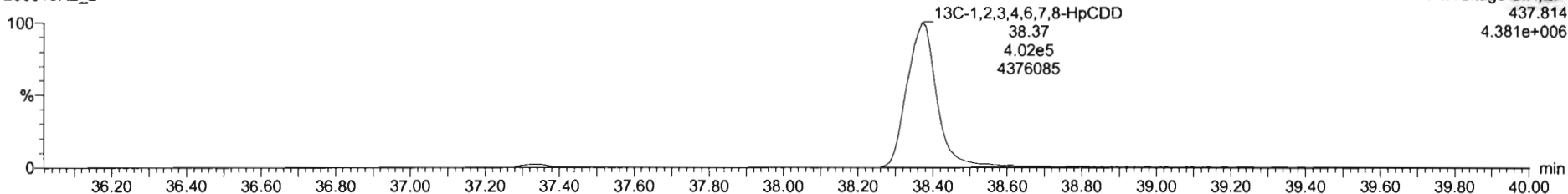


13C-1,2,3,4,6,7,8-HpCDD

200518R2_2



200518R2_2



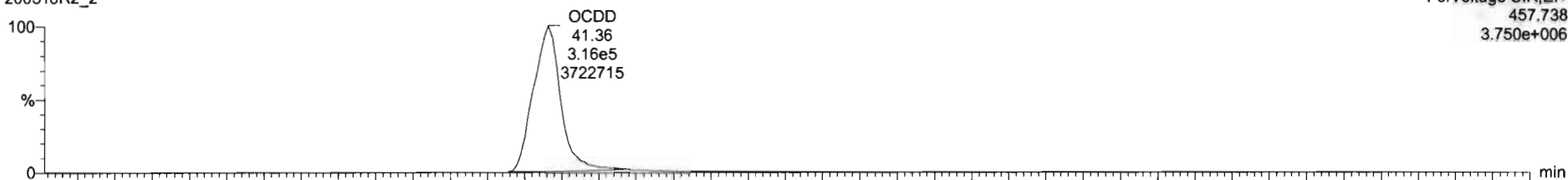
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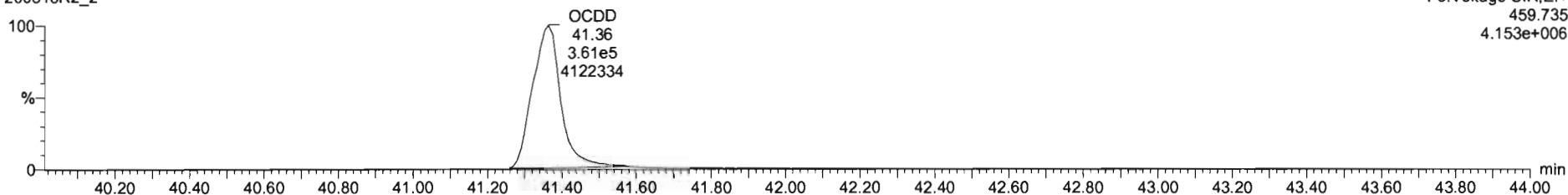
OCDD

200518R2_2



F5:Voltage SIR,EI+
457.738
3.750e+006

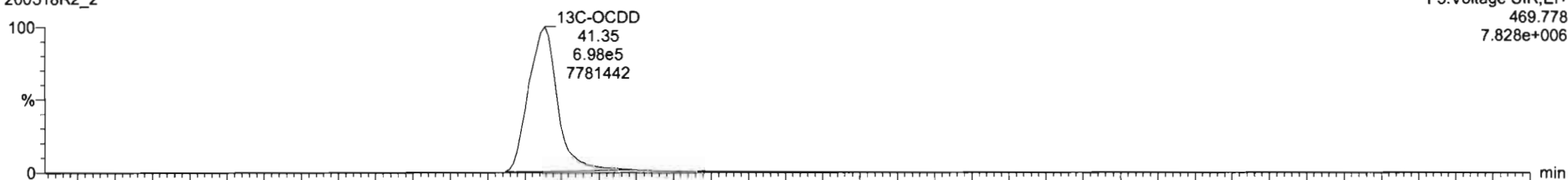
200518R2_2



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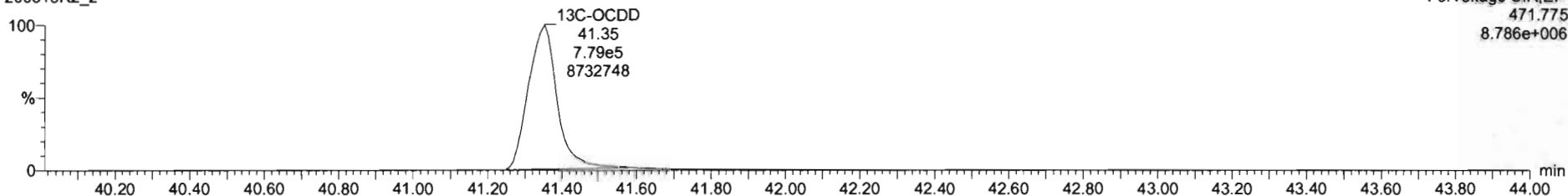
13C-OCDD

200518R2_2



F5:Voltage SIR,EI+
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7.828e+006

200518R2_2



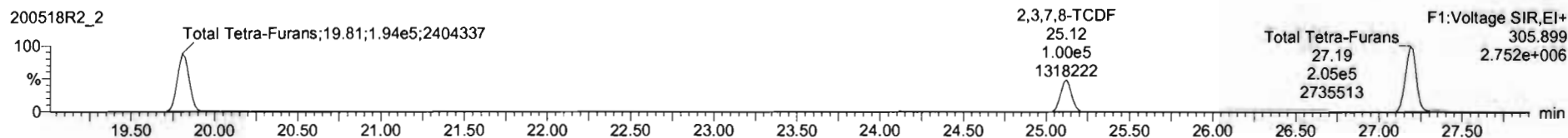
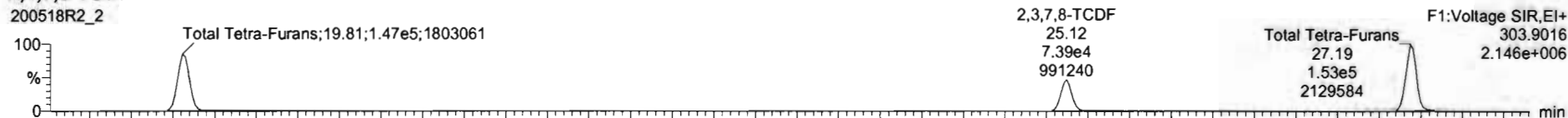
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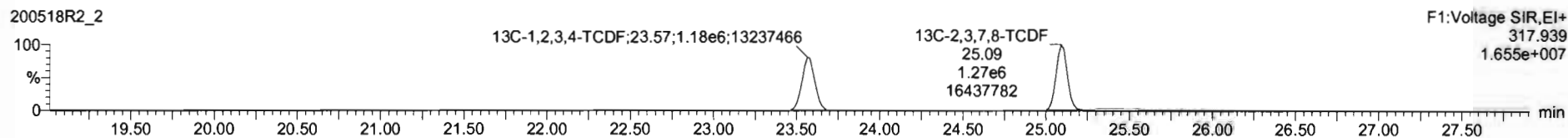
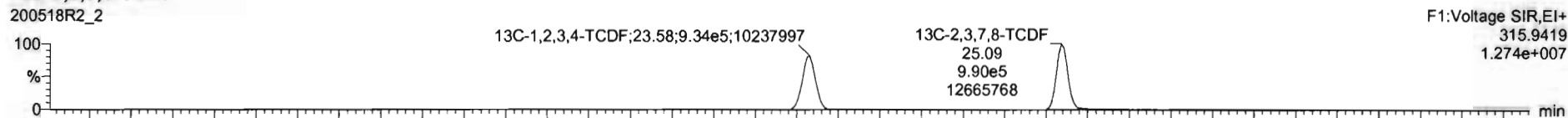
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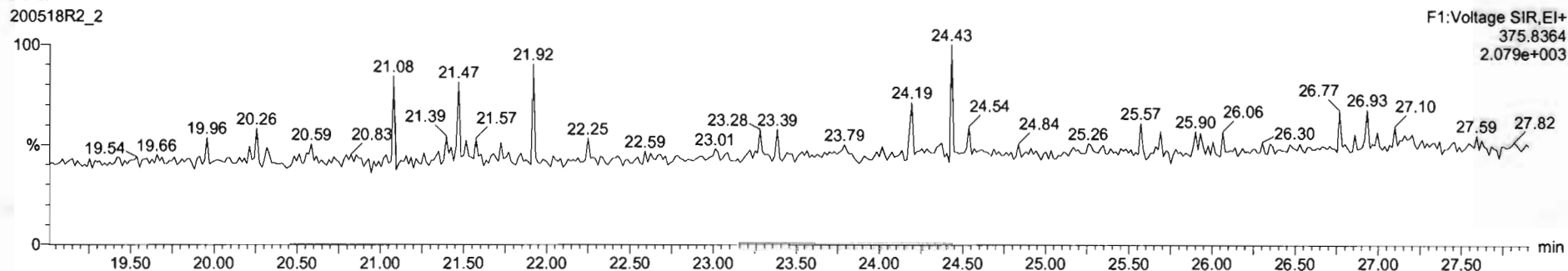
2,3,7,8-TCDF



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



DPE1



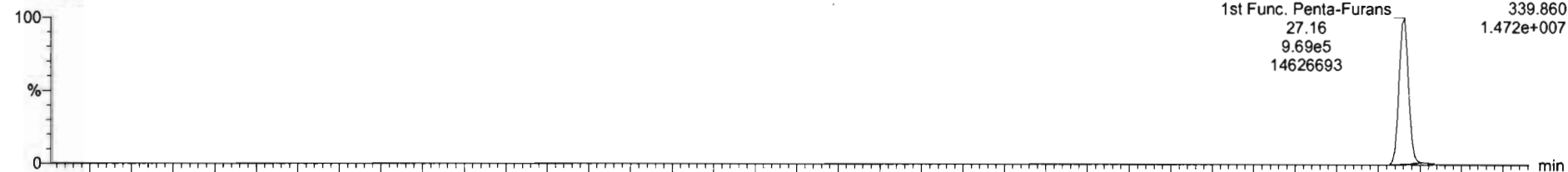
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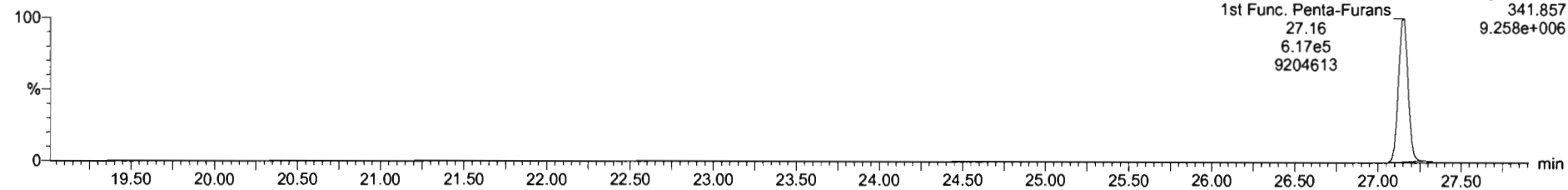
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200518R2_2

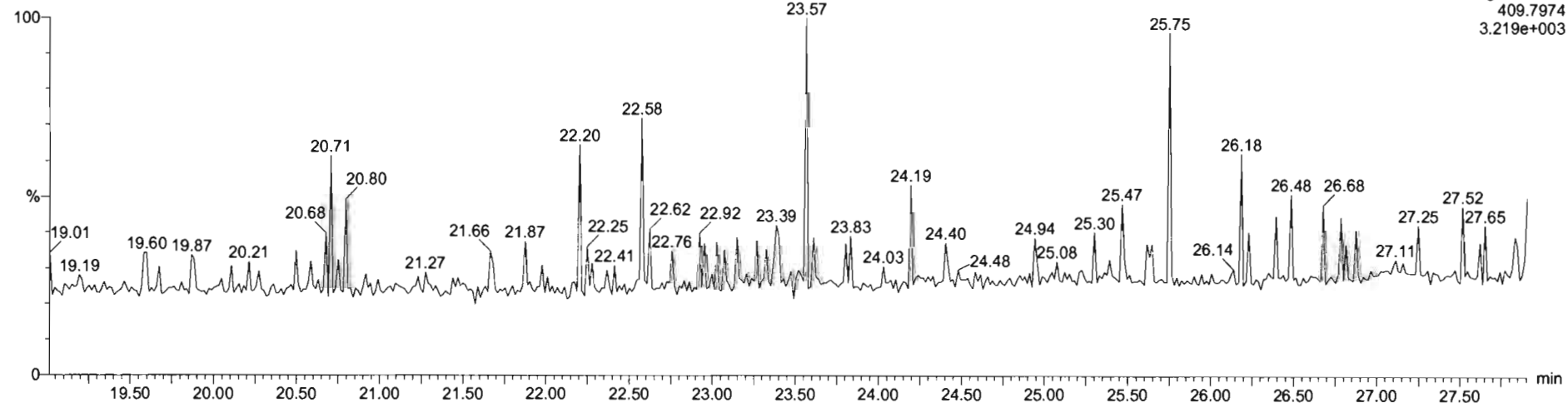


200518R2_2



DPE6

200518R2_2



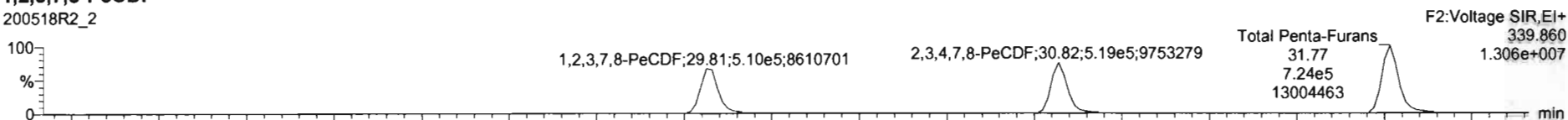
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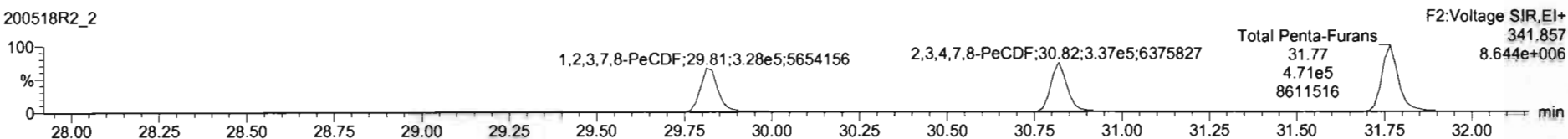
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1,2,3,7,8-PeCDF

200518R2_2

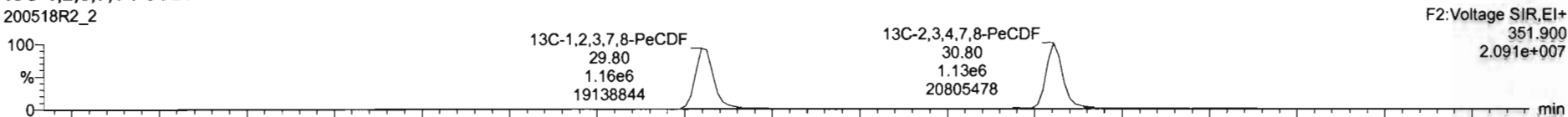


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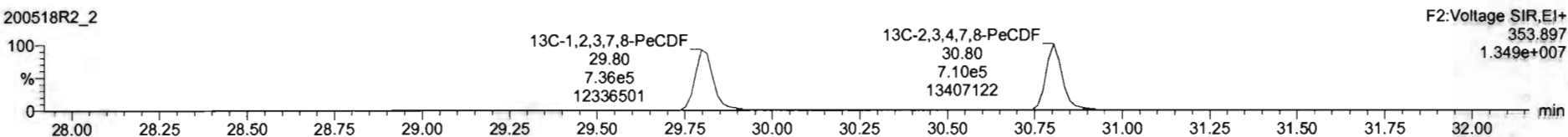


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200518R2_2

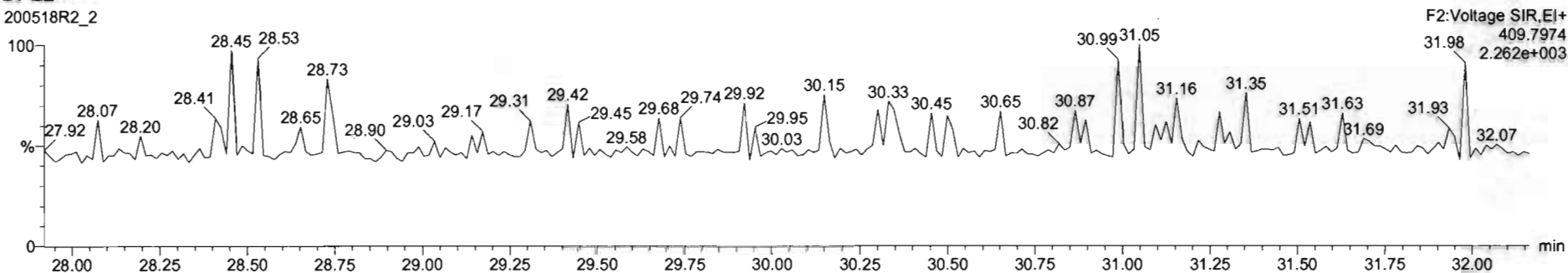


200518R2_2



DPE2

200518R2_2

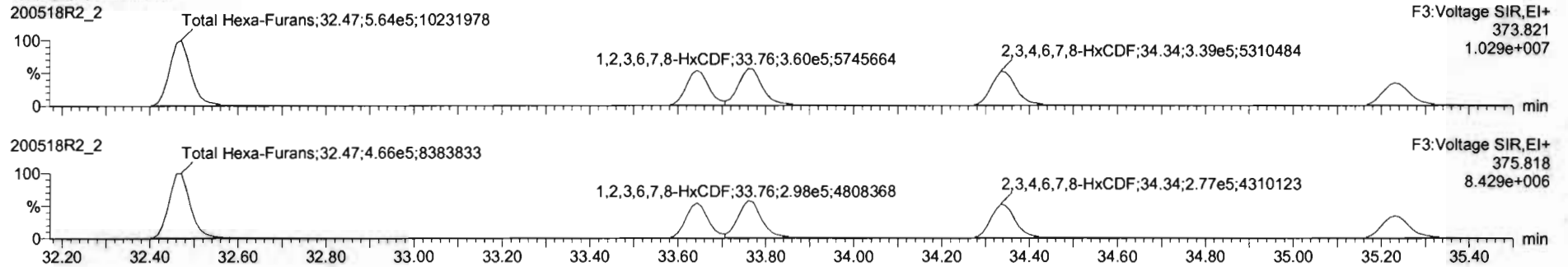


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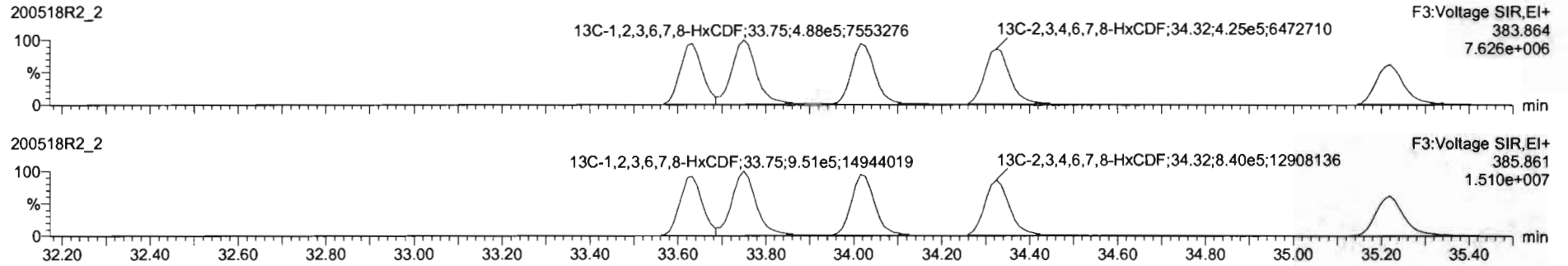
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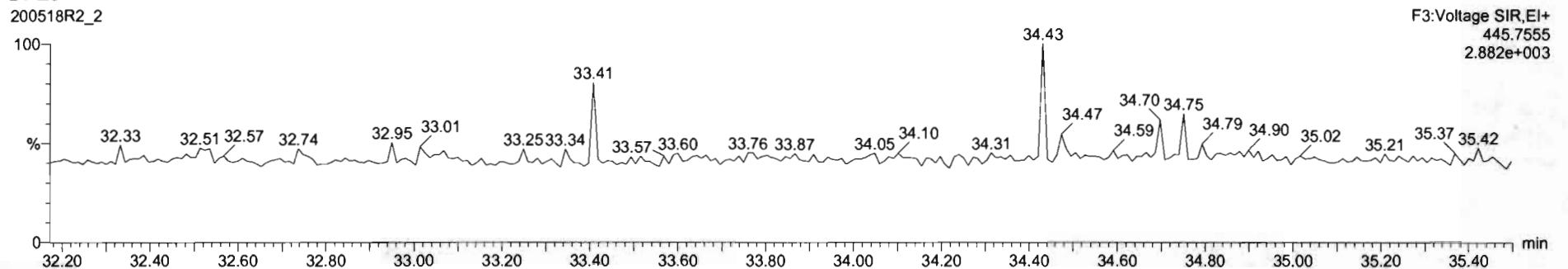
1,2,3,4,7,8-HxCDF



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



DPE3



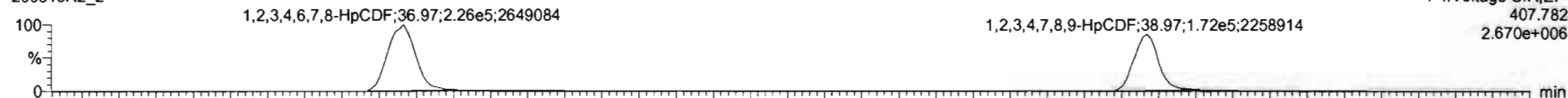
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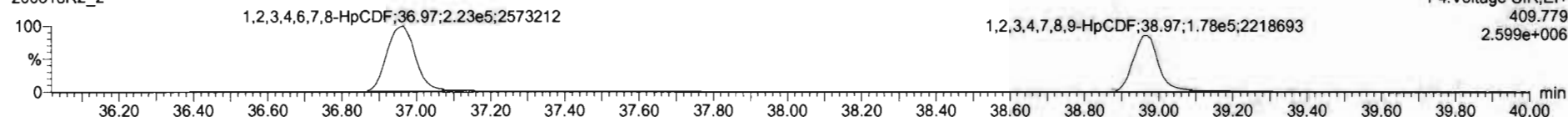
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1,2,3,4,6,7,8-HpCDF

200518R2_2

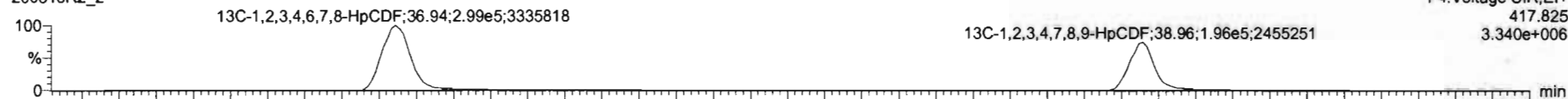


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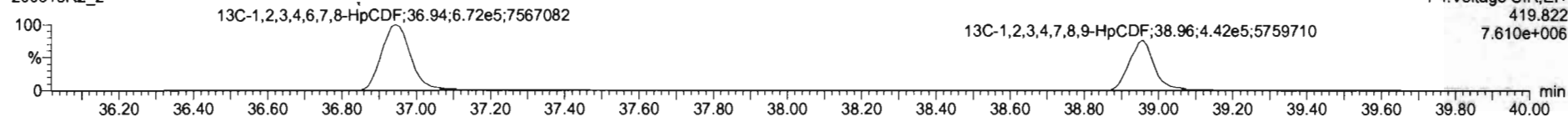


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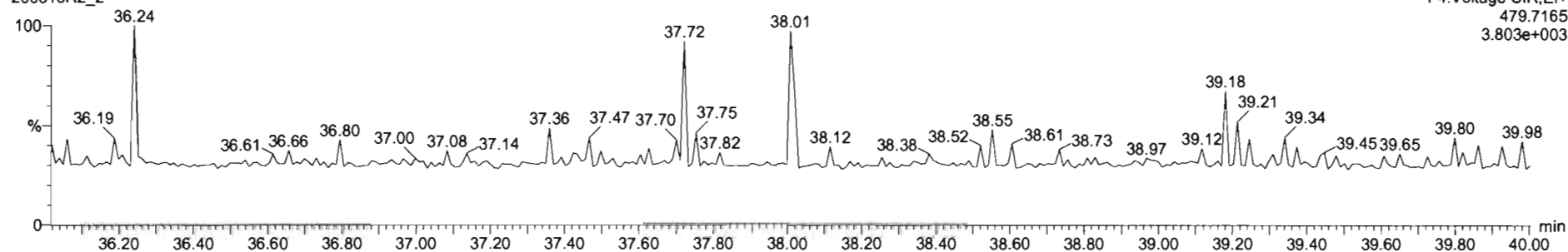


200518R2_2



DPE4

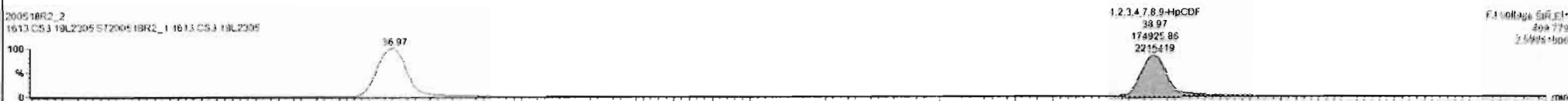
200518R2_2





CS3 19L2305 1613 CS3 19L2305

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1	1,2,3,7,8-TCDD	1.54e5	1.73e6	0.77	0.76	NO	0.9475	26.07	26.06	NO	1.001	1.001	9.41	94.1	NO
2	1,2,3,7,8-PeCDD	5.75e5	1.33e6	0.63	0.62	NO	0.9426	31.13	31.14	NO	1.001	1.001	45.8	91.8	NO
3	1,2,3,4,7,8-HxCDD	4.62e5	9.02e5	1.24	1.23	NO	1.0641	34.51	34.51	NO	1.000	1.000	59.3	101	NO
4	1,2,3,6,7,8-HxCDD	5.23e5	1.23e6	1.24	1.22	NO	0.9145	34.80	34.61	NO	1.000	1.000	46.7	93.3	NO
5	1,2,3,7,8,9-HxCDD	4.62e5	1.05e6	1.24	1.24	NO	0.9149	34.80	34.89	NO	1.000	1.001	48.1	96.3	NO
6	1,2,3,4,6,7,8-HpCDD	3.55e5	8.20e5	1.04	1.04	NO	0.9979	36.36	36.39	NO	1.000	1.001	46.2	96.4	NO
7	OCDD	6.77e5	1.48e6	0.89	0.88	NO	0.9335	41.35	41.36	NO	1.000	1.000	98.2	96.2	NO
8	2,3,7,8-TCDF	1.74e5	2.26e6	0.77	0.74	NO	0.7871	25.12	25.12	NO	1.001	1.001	9.76	97.8	NO
9	1,2,3,7,8-PeCDF	8.38e5	1.89e6	1.55	1.55	NO	0.9102	29.82	29.81	NO	1.001	1.001	48.6	97.2	NO
10	2,3,4,7,8-PeCDF	8.55e5	1.84e6	1.55	1.54	NO	0.9964	30.84	30.82	NO	1.001	1.000	48.1	96.1	NO
11	1,2,3,4,7,8-HxCDF	5.76e5	1.22e6	1.24	1.21	NO	0.9762	32.63	32.64	NO	1.000	1.000	54.0	108	NO
12	1,2,3,6,7,8-HxCDF	6.58e5	1.44e6	1.24	1.21	NO	0.8740	33.78	33.76	NO	1.000	1.000	52.3	105	NO
13	2,3,4,6,7,8-HxCDF	6.16e5	1.27e6	1.24	1.22	NO	0.9217	34.36	34.33	NO	1.001	1.000	52.8	106	NO
14	1,2,3,7,8,9-HxCDF	4.66e5	1.03e6	1.24	1.24	NO	0.9642	35.22	35.23	NO	1.000	1.000	52.4	105	NO
15	1,2,3,4,6,7,8-HpCDF	4.49e5	9.70e5	1.04	1.01	NO	0.8712	36.90	36.97	NO	1.001	1.001	53.1	106	NO
16	1,2,3,4,6,7,8,9-HpCDF	3.47e5	8.34e5	1.04	0.98	NO	1.0118	38.98	38.97	NO	1.000	1.000	54.1	108	NO
17	OCDF	7.32e5	1.75e6	0.89	0.87	NO	0.8921	41.53	41.56	NO	1.000	1.001	105	105	NO
18	13C-2,3,7,8-TCDD	1.73e6	1.47e6	0.77	0.78	NO	1.1595	26.02	26.03	NO	1.026	1.027	101	101	NO
19	13C-1,2,3,7,8-PeCDD	1.33e6	1.47e6	0.63	0.63	NO	0.8472	31.10	31.11	NO	1.227	1.227	107	107	NO
20	13C-1,2,3,4,7,8-HxCDD	9.02e5	1.27e6	1.24	1.26	NO	0.7499	34.50	34.49	NO	1.014	1.014	94.7	94.7	NO
21	13C-1,2,3,6,7,8-HxCDD	1.23e6	1.27e6	1.24	1.27	NO	0.9630	34.61	34.60	NO	1.017	1.017	100	100	NO

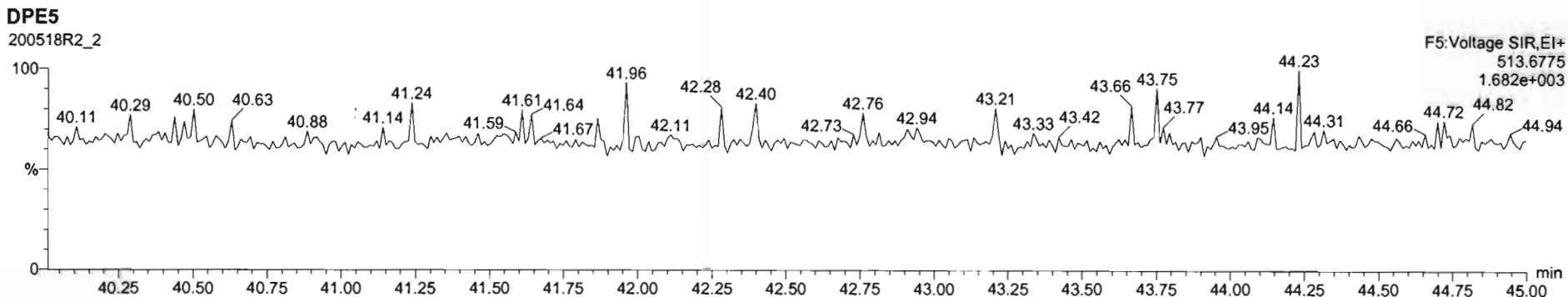
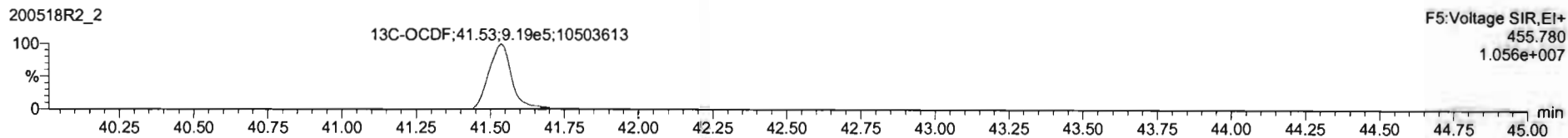
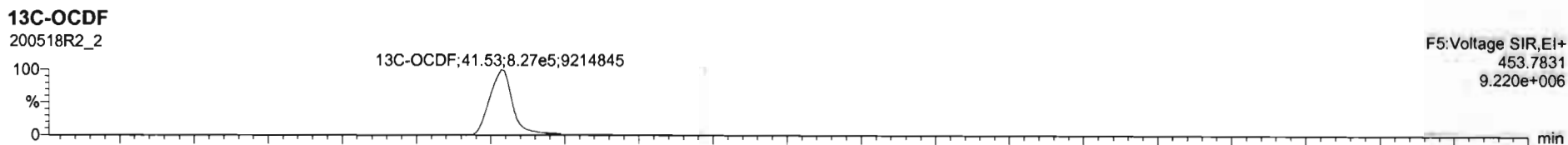
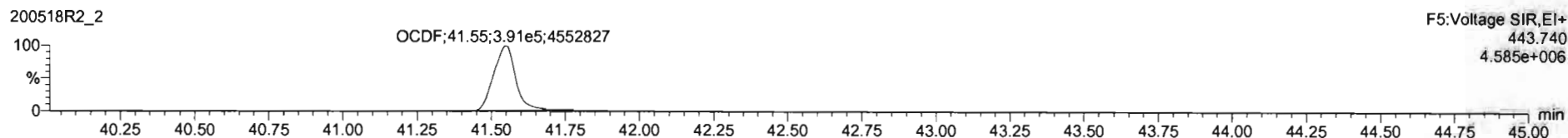
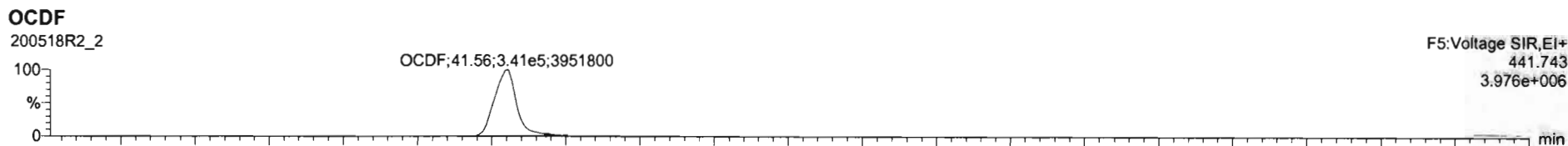


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Dataset: Untitled

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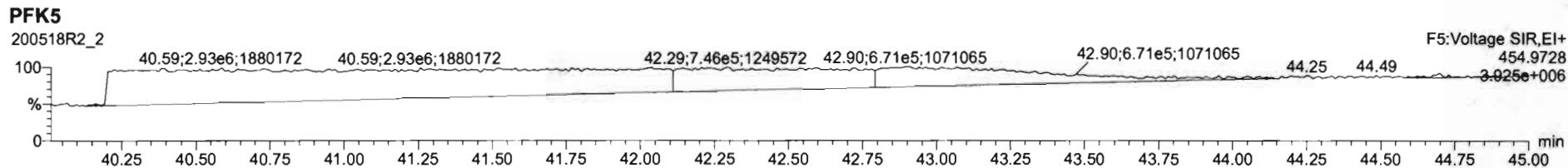
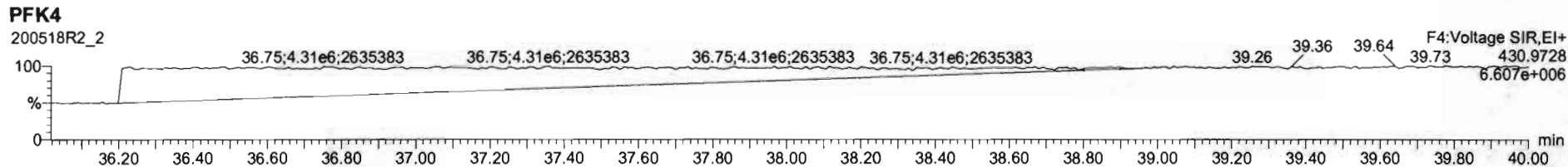
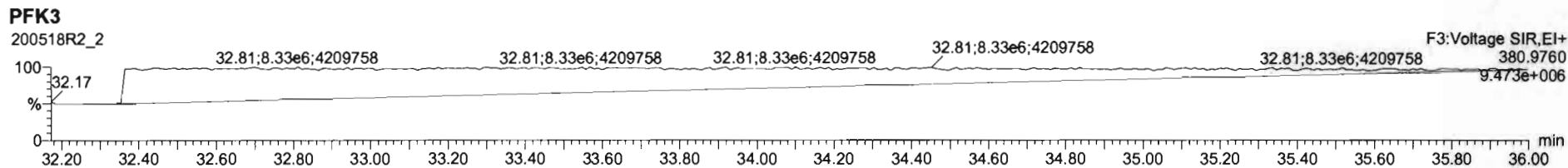
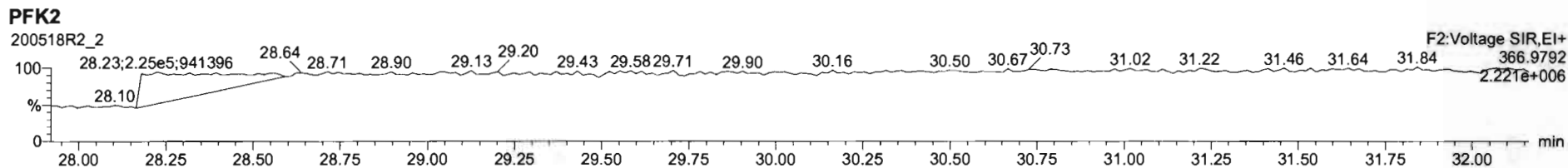
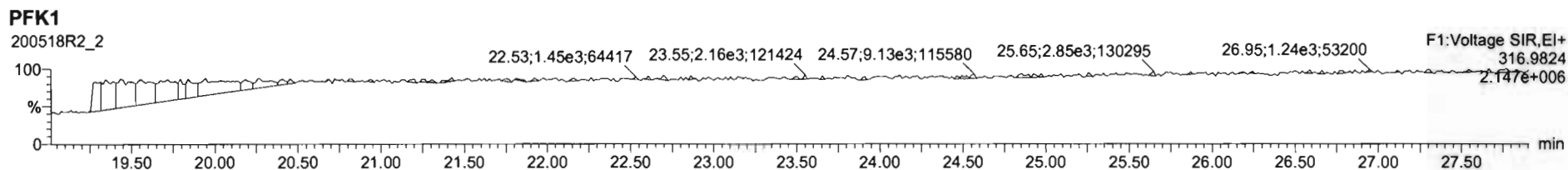
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Printed: Monday, May 18, 2020 15:34:42 Pacific Daylight Time

Name: 200518R2_2, Date: 18-May-2020, Time: 14:46:59, ID: ST200518R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



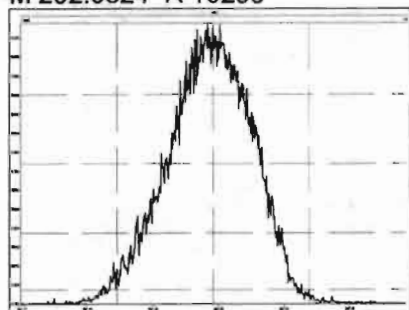
Experiment Calibration Report

MassLynx 4.1 SCN815

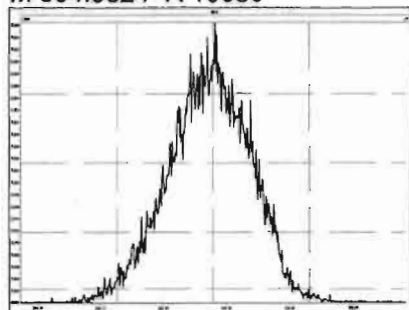
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 07:19:18 Pacific Daylight Time

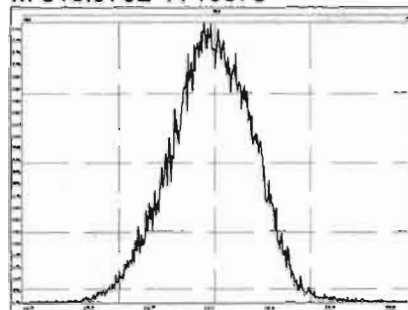
M 292.9824 R 10203



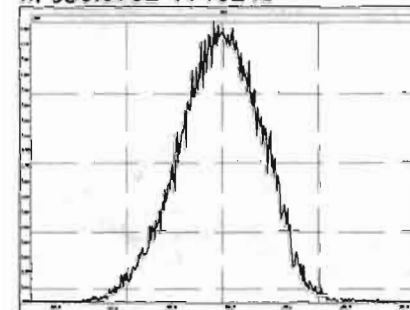
M 304.9824 R 10680



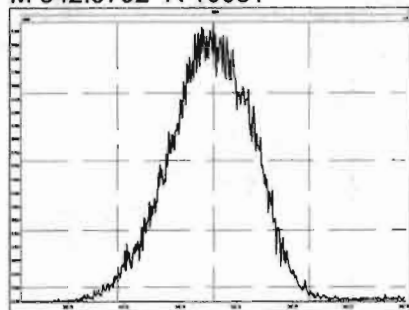
M 318.9792 R 10373



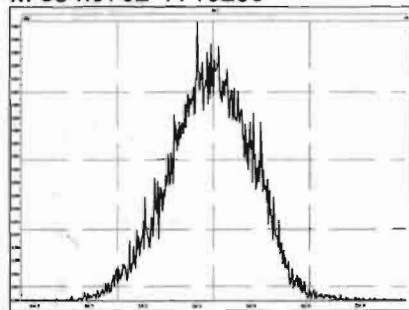
M 330.9792 R 10248



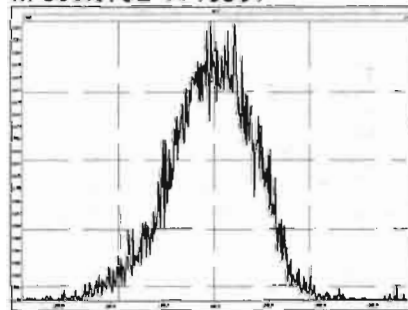
M 342.9792 R 10081



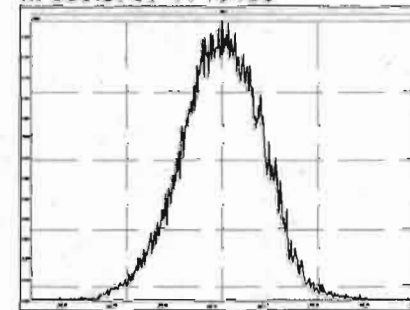
M 354.9792 R 10203



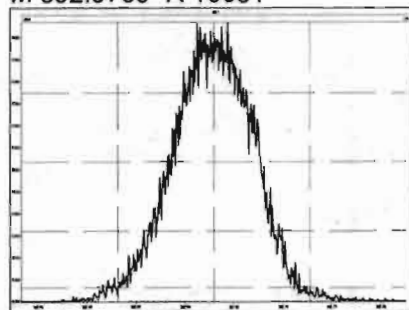
M 366.9792 R 10331



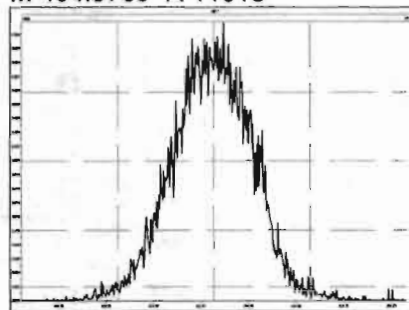
M 380.9760 R 10460



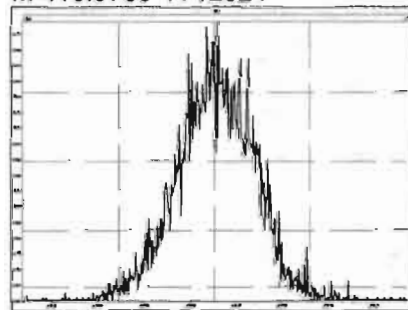
M 392.9760 R 10681



M 404.9760 R 11013



M 416.9760 R 12624



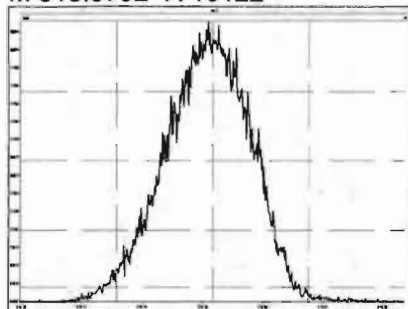
Experiment Calibration Report

MassLynx 4.1 SCN815

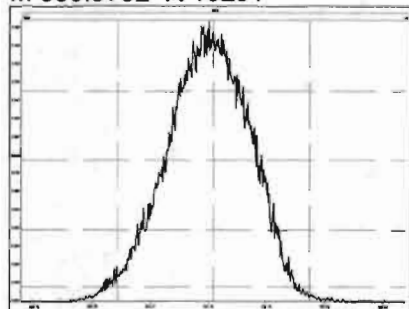
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 07:19:57 Pacific Daylight Time

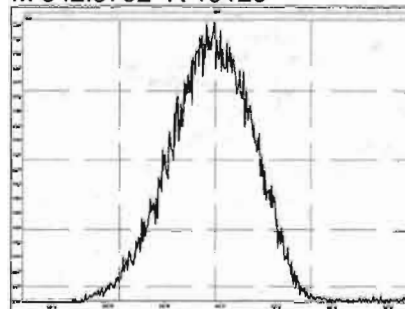
M 318.9792 R 10122



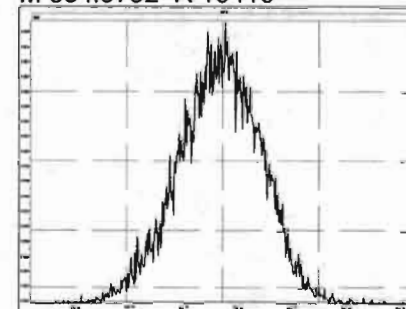
M 330.9792 R 10291



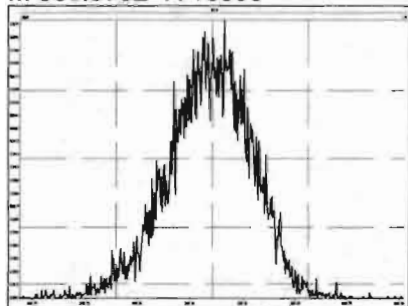
M 342.9792 R 10123



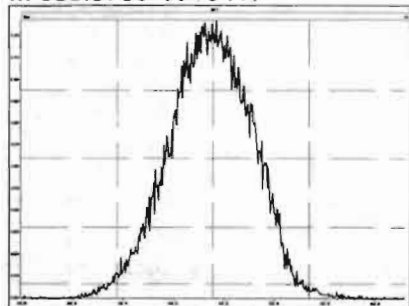
M 354.9792 R 10416



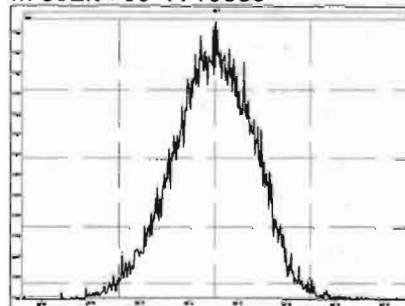
M 366.9792 R 10595



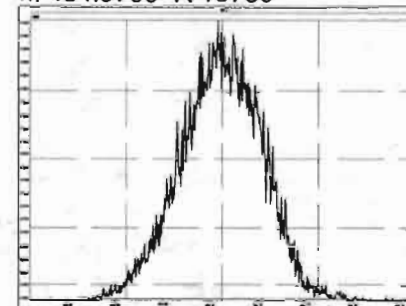
M 380.9760 R 10417



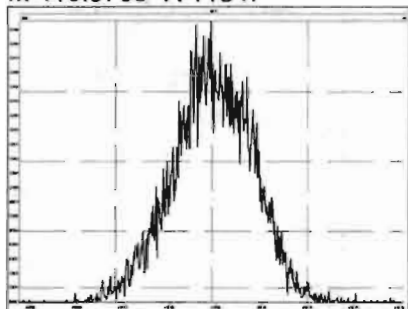
M 392.9760 R 10333



M 404.9760 R 10730



M 416.9760 R 11847



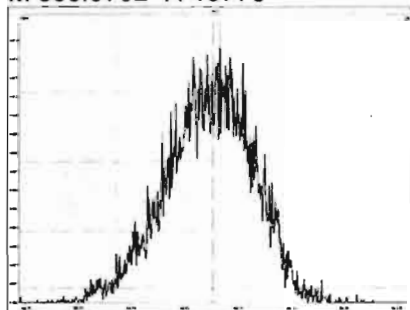
Experiment Calibration Report

MassLynx 4.1 SCN815

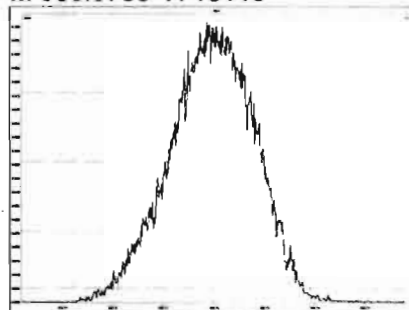
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 07:21:22 Pacific Daylight Time

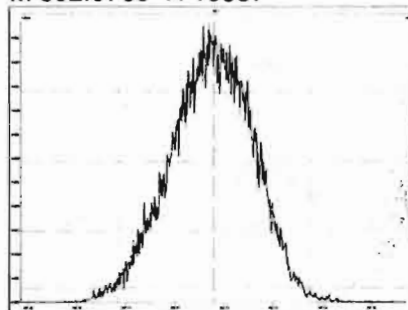
M 366.9792 R 10778



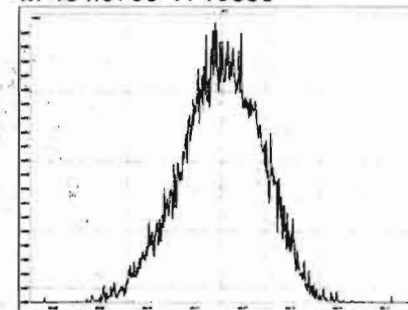
M 380.9760 R 10118



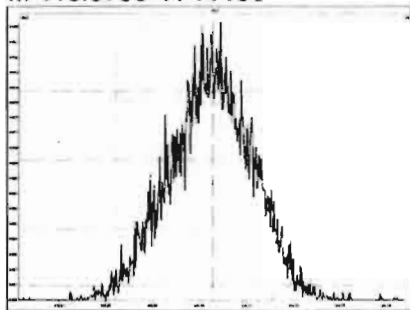
M 392.9760 R 10687



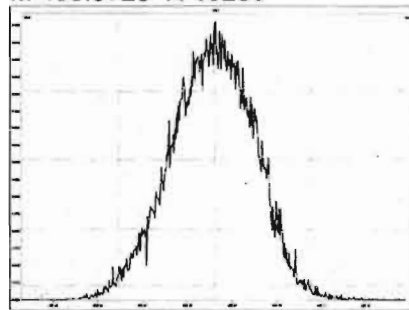
M 404.9760 R 10635



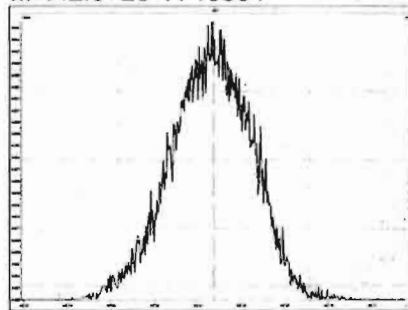
M 416.9760 R 11160



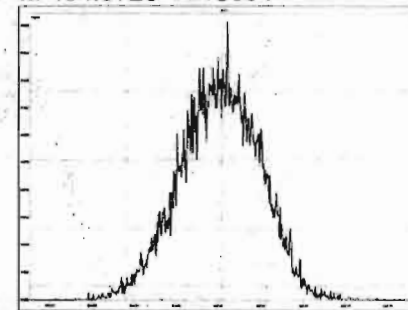
M 430.9728 R 10286



M 442.9728 R 10684



M 454.9728 R 10591



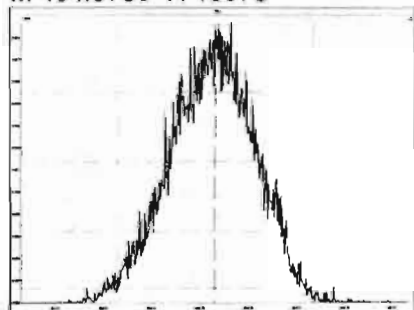
Experiment Calibration Report

MassLynx 4.1 SCN815

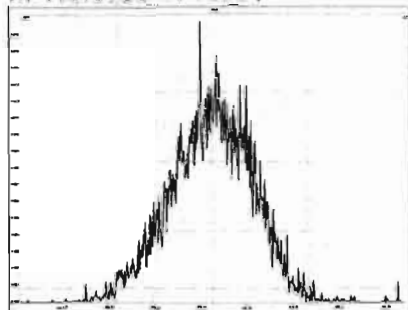
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 07:22:01 Pacific Daylight Time

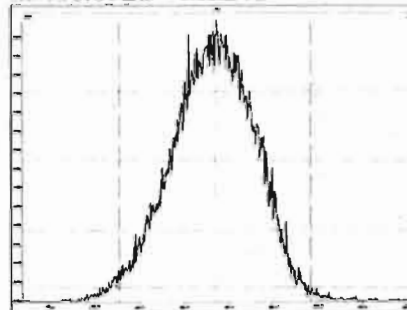
M 404.9760 R 10375



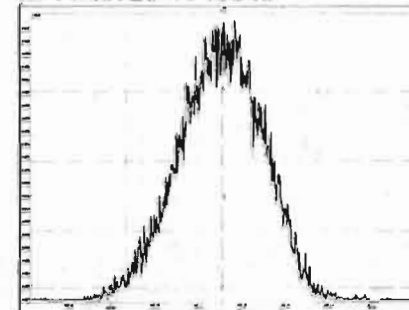
M 416.9760 R 10504



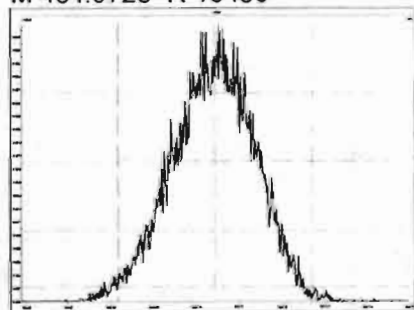
M 430.9728 R 10248



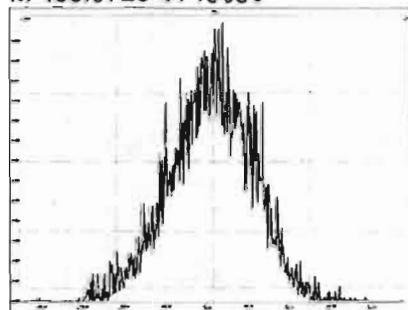
M 442.9728 R 10546



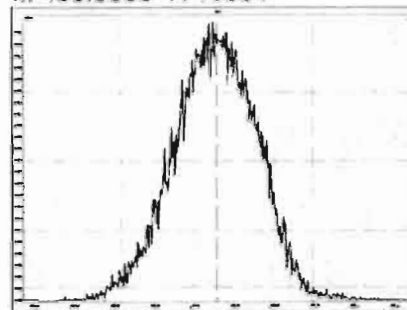
M 454.9728 R 10460



M 466.9728 R 10550



M 480.9696 R 10504



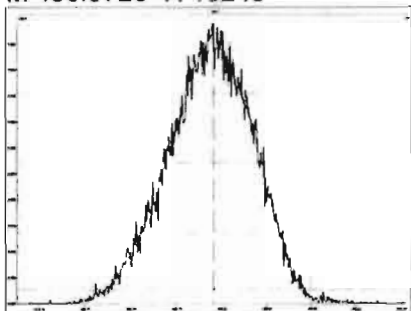
Experiment Calibration Report

MassLynx 4.1 SCN815

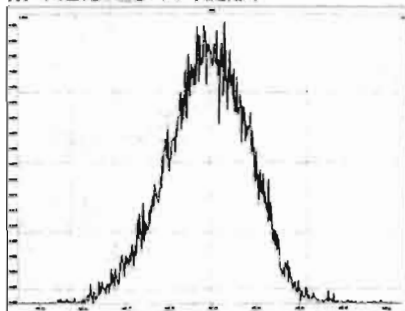
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Tuesday, May 19, 2020 07:22:37 Pacific Daylight Time

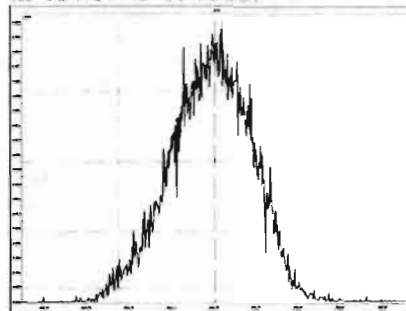
M 430.9728 R 10246



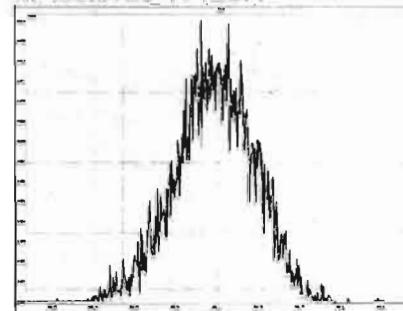
M 442.9728 R 10291



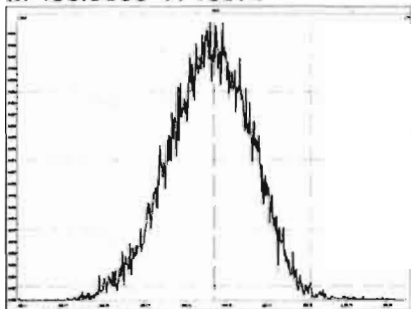
M 454.9728 R 10867



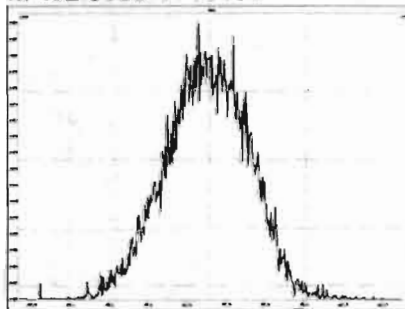
M 466.9728 R 12077



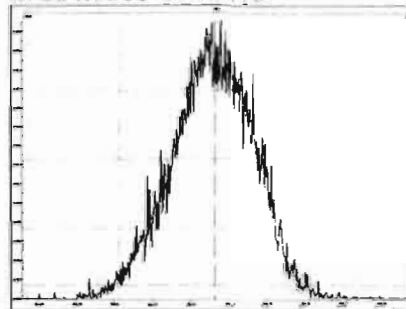
M 480.9696 R 10871



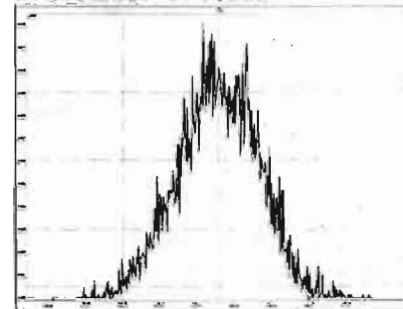
M 492.9696 R 10414



M 504.9696 R 10416



M 516.9697 R 11008



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200605R1-1

Reviewed By: C7 06/08/2020
Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>		<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> NA	Mass resolution \geq	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input 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		
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> NA
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GC Break <20%	<input checked="" type="checkbox"/> NA	
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>8280 CS1 End Standard:</u>		
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	- Ratios within limits, S/N <2.5:1, CS1 within 12 hours	<input checked="" type="checkbox"/> NA	
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Comments:		
Correct ICAL referenced?	<u>GPB</u>	<input type="checkbox"/>			
<u>Run Log:</u>					
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
- Samples within 12 hour clock?	<input checked="" type="checkbox"/> (Y)	<input type="checkbox"/> N			
- Bottle position verified?	<u>GPB</u>				

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-1.qld

Last Altered: Friday, June 05, 2020 10:45:12 Pacific Daylight Time
Printed: Friday, June 05, 2020 10:45:26 Pacific Daylight Time

GPB 06/05/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

C7 06/05/2020

Name: 200605R1_1, Date: 05-Jun-2020, Time: 09:52:20, ID: ST200605R1_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	2,3,7,8-TCDD	5.69e4	7.00e5	0.80	NO	0.888	26.52	26.51	NO	1.001	1.001	9.1527	91.5	NO
2	1,2,3,7,8-PeCDD	2.02e5	4.69e5	0.63	NO	0.908	31.47	31.47	NO	1.001	1.000	47.515	95.0	NO
3	1,2,3,4,7,8-HxCDD	1.59e5	3.24e5	1.26	NO	1.03	34.84	34.84	NO	1.000	1.000	47.600	95.2	NO
4	1,2,3,6,7,8-HxCDD	1.81e5	4.19e5	1.22	NO	0.892	34.92	34.94	NO	1.000	1.001	48.458	96.9	NO
5	1,2,3,7,8,9-HxCDD	1.56e5	3.64e5	1.22	NO	0.887	35.22	35.22	NO	1.000	1.000	48.436	96.9	NO
6	1,2,3,4,6,7,8-HpCDD	1.16e5	2.67e5	1.02	NO	0.864	38.76	38.77	NO	1.000	1.001	50.198	100	NO
7	OCDD	2.35e5	5.17e5	0.87	NO	0.914	41.72	41.74	NO	1.000	1.001	99.454	99.5	NO
8	2,3,7,8-TCDF	6.65e4	8.97e5	0.74	NO	0.751	25.63	25.61	NO	1.001	1.001	9.8723	98.7	NO
9	1,2,3,7,8-PeCDF	3.07e5	7.20e5	1.58	NO	0.893	30.19	30.18	NO	1.001	1.000	47.817	95.6	NO
10	2,3,4,7,8-PeCDF	3.07e5	6.77e5	1.54	NO	0.935	31.18	31.16	NO	1.001	1.001	48.574	97.1	NO
11	1,2,3,4,7,8-HxCDF	1.91e5	4.27e5	1.20	NO	0.884	33.95	33.96	NO	1.000	1.000	50.669	101	NO
12	1,2,3,6,7,8-HxCDF	2.22e5	4.92e5	1.20	NO	0.889	34.08	34.08	NO	1.000	1.000	50.674	101	NO
13	2,3,4,6,7,8-HxCDF	2.00e5	4.34e5	1.22	NO	0.934	34.69	34.67	NO	1.001	1.000	49.261	98.5	NO
14	1,2,3,7,8,9-HxCDF	1.53e5	3.48e5	1.22	NO	0.871	35.57	35.59	NO	1.000	1.001	50.618	101	NO
15	1,2,3,4,6,7,8-HpCDF	1.48e5	3.24e5	0.99	NO	0.873	37.38	37.35	NO	1.001	1.000	52.271	105	NO
16	1,2,3,4,7,8,9-HpCDF	1.14e5	2.17e5	0.98	NO	1.01	39.29	39.31	NO	1.000	1.001	51.700	103	NO
17	OCDF	2.58e5	6.41e5	0.87	NO	0.806	41.91	41.92	NO	1.000	1.000	99.720	99.7	NO
18	13C-2,3,7,8-TCDD	7.00e5	5.93e5	0.75	NO	1.16	26.52	26.48	NO	1.026	1.025	102.19	102	NO
19	13C-1,2,3,7,8-PeCDD	4.69e5	5.93e5	0.64	NO	0.849	31.71	31.45	NO	1.227	1.217	93.224	93.2	NO
20	13C-1,2,3,4,7,8-HxCDD	3.24e5	4.38e5	1.28	NO	0.779	34.83	34.83	NO	1.014	1.014	94.774	94.8	NO
21	13C-1,2,3,6,7,8-HxCDD	4.19e5	4.38e5	1.27	NO	1.02	34.94	34.92	NO	1.017	1.017	94.010	94.0	NO
22	13C-1,2,3,7,8,9-HxCDD	3.64e5	4.38e5	1.29	NO	0.903	35.21	35.21	NO	1.025	1.025	91.975	92.0	NO
23	13C-1,2,3,4,6,7,8-HpCDD	2.67e5	4.38e5	1.03	NO	0.689	38.74	38.74	NO	1.128	1.128	88.358	88.4	NO
24	13C-OCDD	5.17e5	4.38e5	0.90	NO	0.652	41.76	41.72	NO	1.216	1.215	180.98	90.5	NO
25	13C-2,3,7,8-TCDF	8.97e5	8.75e5	0.77	NO	1.06	25.56	25.60	NO	0.989	0.991	96.872	96.9	NO
26	13C-1,2,3,7,8-PeCDF	7.20e5	8.75e5	1.60	NO	0.838	30.09	30.17	NO	1.165	1.168	98.247	98.2	NO
27	13C-2,3,4,7,8-PeCDF	6.77e5	8.75e5	1.59	NO	0.817	31.05	31.15	NO	1.202	1.205	94.792	94.8	NO
28	13C-1,2,3,4,7,8-HxCDF	4.27e5	4.38e5	0.50	NO	1.01	33.96	33.95	NO	0.989	0.989	96.625	96.6	NO
29	13C-1,2,3,6,7,8-HxCDF	4.92e5	4.38e5	0.50	NO	1.17	34.08	34.07	NO	0.992	0.992	96.234	96.2	NO
30	13C-2,3,4,6,7,8-HxCDF	4.34e5	4.38e5	0.50	NO	1.02	34.66	34.66	NO	1.009	1.009	96.962	97.0	NO
31	13C-1,2,3,7,8,9-HxCDF	3.48e5	4.38e5	0.50	NO	0.860	35.56	35.57	NO	1.035	1.036	92.312	92.3	NO

Dataset: U:\VG12.PRO\Results\200605R1\200605R1-1.qld

Last Altered: Friday, June 05, 2020 10:45:12 Pacific Daylight Time

Printed: Friday, June 05, 2020 10:45:26 Pacific Daylight Time

Name: 200605R1_1, Date: 05-Jun-2020, Time: 09:52:20, ID: ST200605R1_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	3.24e5	4.38e5	0.44	NO	0.774	37.31	37.34	NO	1.086	1.087	95.529	95.5	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.17e5	4.38e5	0.42	NO	0.521	39.34	39.29	NO	1.145	1.144	95.195	95.2	NO
34	34 13C-OCDF	6.41e5	4.38e5	0.89	NO	0.746	41.93	41.91	NO	1.221	1.220	196.15	98.1	NO
35	35 37Cl-2,3,7,8-TCDD	6.09e4	5.93e5			1.04	26.55	26.51	NO	1.028	1.026	9.9179	99.2	NO
36	36 13C-1,2,3,4-TCDD	5.93e5	5.93e5	0.79	NO	1.00	25.89	25.84	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	8.75e5	8.75e5	0.79	NO	1.00	24.36	24.16	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	4.38e5	4.38e5	0.49	NO	1.00	34.42	34.35	NO	1.000	1.000	100.00	100	YES <i>ok</i>

Dataset: Untitled

Last Altered: Sunday, June 07, 2020 07:55:45 Pacific Daylight Time

Printed: Sunday, June 07, 2020 07:58:46 Pacific Daylight Time

Method: U:\VG12.PROMethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Compound name: OCDD

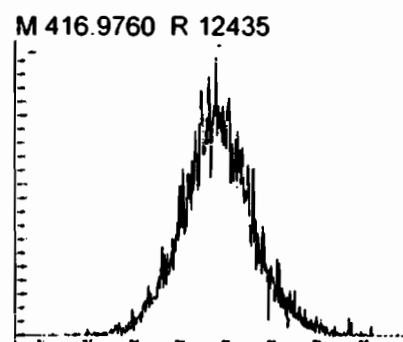
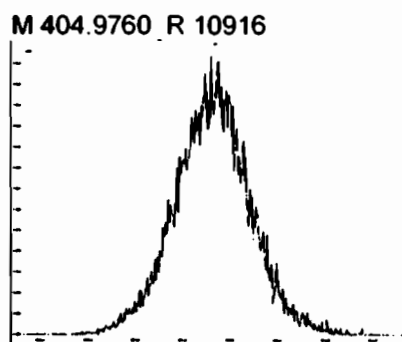
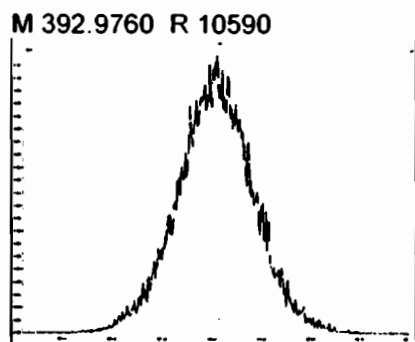
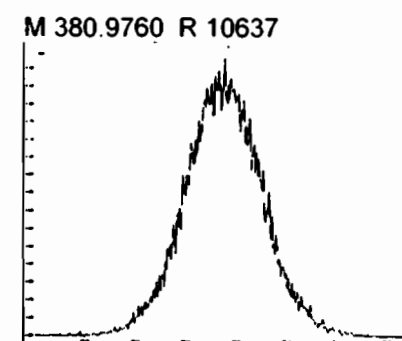
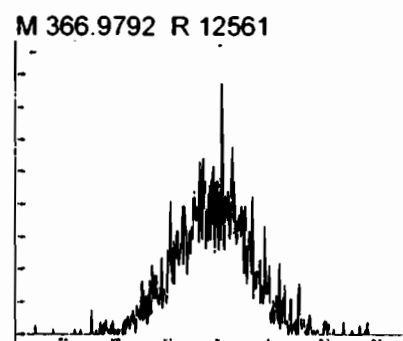
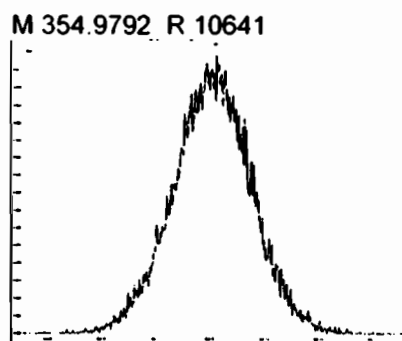
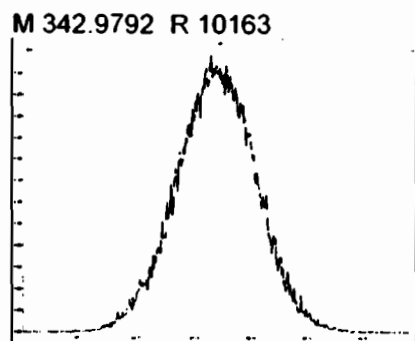
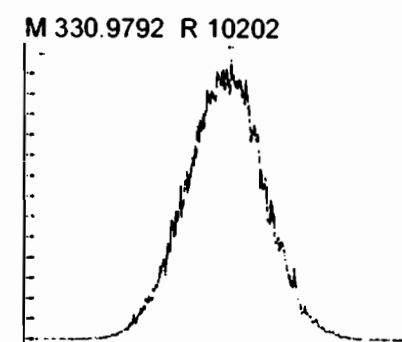
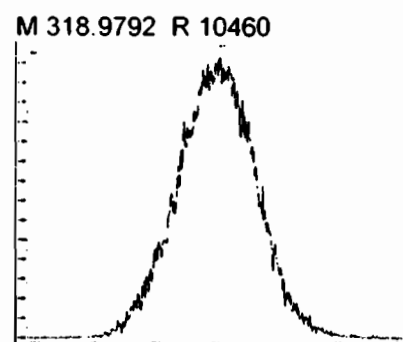
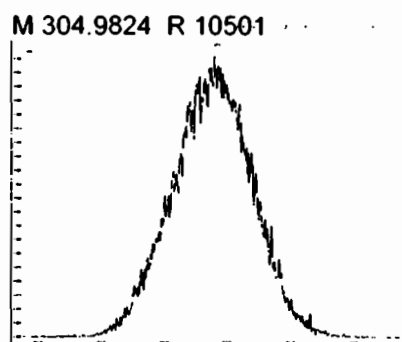
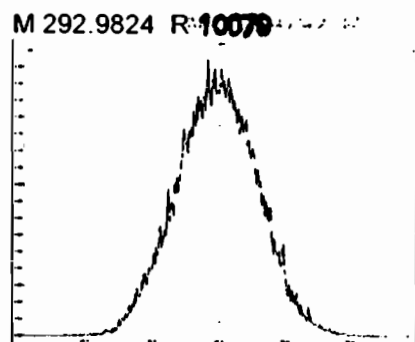
Name	ID	Acq.Date	Acq.Time
200605R1_1	ST200605R1_1 1613 CS3 19L2305	05-Jun-20	09:52:20
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200605R1_3	2000964-05 PDI-148SC-A-03-04-200427 12.53	05-Jun-20	11:26:43
200605R1_4	2000964-06 PDI-148SC-A-04-05-200427 11.5	05-Jun-20	12:12:59
200605R1_5	2000995-01 PDI-068SC-A-10-11-200430 16.51	05-Jun-20	12:59:13
200605R1_6	2000995-02 PDI-068SC-A-11-12.3-200430 16....	05-Jun-20	13:45:26
200605R1_7	2000995-03 PDI-068SC-B-00-02-200430 17.1	05-Jun-20	14:31:40
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200605R1_9	2000995-05 PDI-068SC-B-05-07-200430 18.77	05-Jun-20	16:04:04
200605R1_10	2000995-06 PDI-072SC-A-08-09-200430 14.69	05-Jun-20	16:50:16
200605R1_11	2000995-07 PDI-072SC-A-09-9.5-200430 16.02	05-Jun-20	17:36:27
200605R1_12	2000995-08 PDI-072SC-B-00-02-200430 18.83	05-Jun-20	18:22:40
200605R1_13	2000995-09 PDI-072SC-B-02-04-200430 17.07	05-Jun-20	19:08:52
200605R1_14	2000995-10 PDI-072SC-B-04-06-200430 14.89	05-Jun-20	19:55:04
200605R1_15	B0E0079-DUP1 Duplicate 14.82	05-Jun-20	20:41:16
200605R1_16	2000995-11 PDI-072SC-B-06-08-200430 14.24	05-Jun-20	21:27:28

Experiment Calibration Report

MassLynx 4.1 SCN815

File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

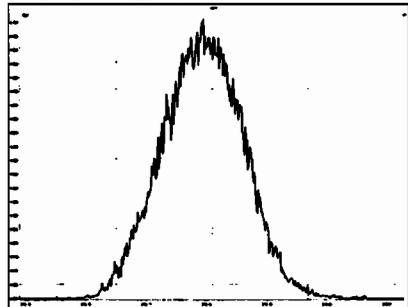
Printed: Friday, June 05, 2020 09:46:39 Pacific Daylight Time



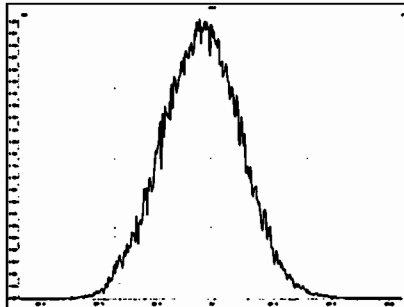
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Friday, June 05, 2020 09:48:03 Pacific Daylight Time

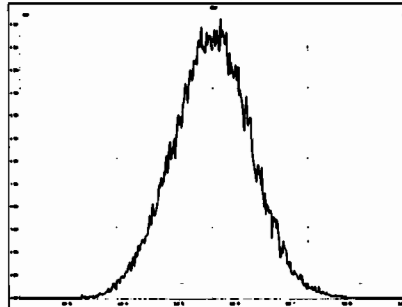
M 318.9792 R 10417



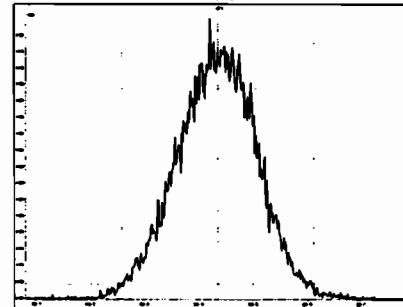
M 330.9792 R 10329



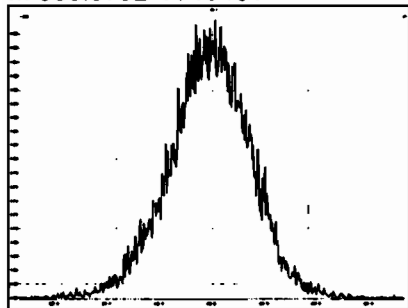
M 342.9792 R 10205



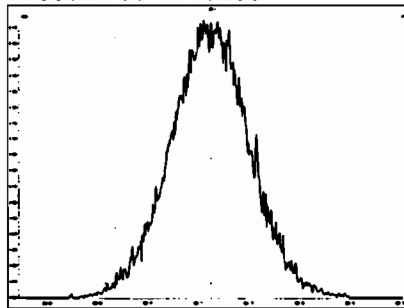
M 354.9792 R 10547



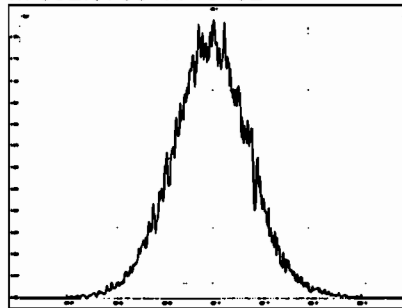
M 366.9792 R 10461



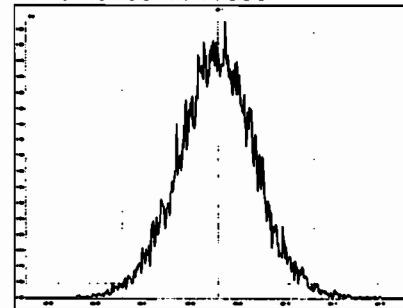
M 380.9760 R 10288



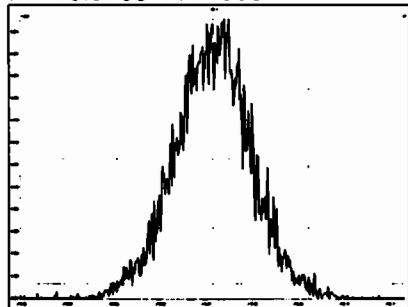
M 392.9760 R 10462



M 404.9760 R 10593



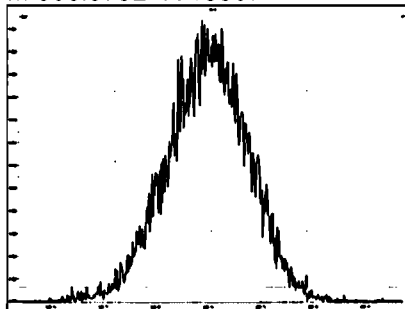
M 416.9760 R 11903



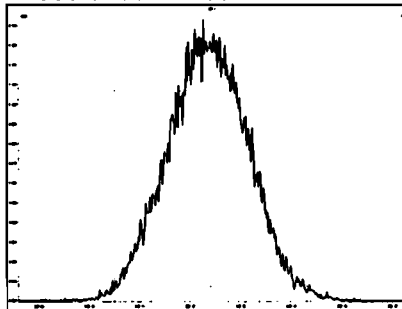
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, June 05, 2020 09:48:37 Pacific Daylight Time

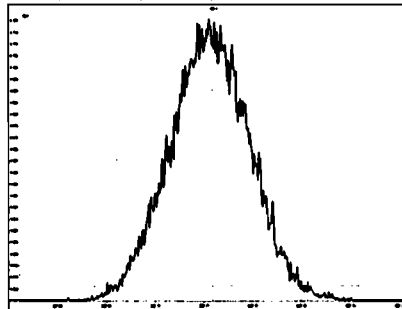
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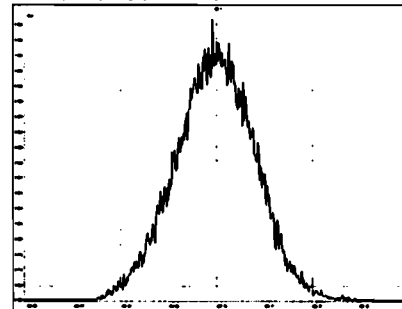
M 380.9760 R 10917



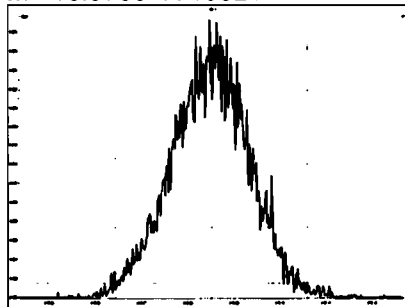
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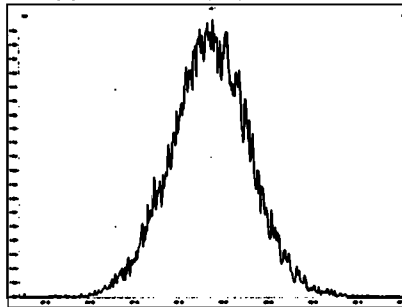
M 404.9760 R 10417



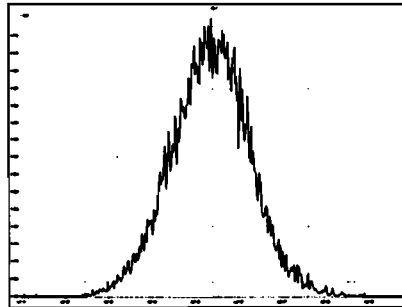
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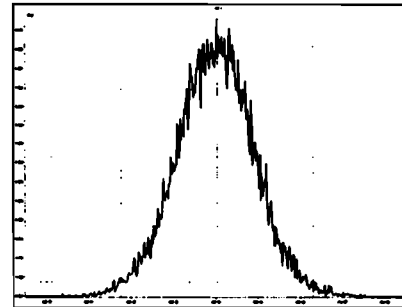
M 430.9728 R 10201



M 442.9728 R 10203



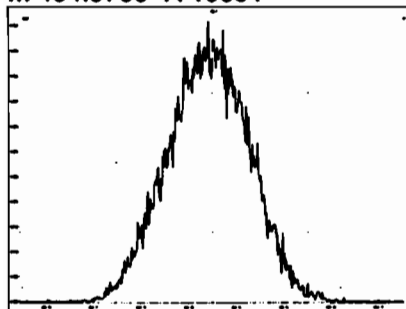
M 454.9728 R 10164



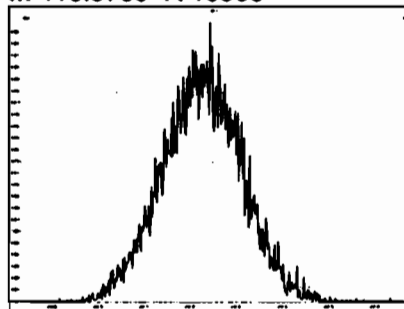
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Printed: Friday, June 05, 2020 09:49:37 Pacific Daylight Time

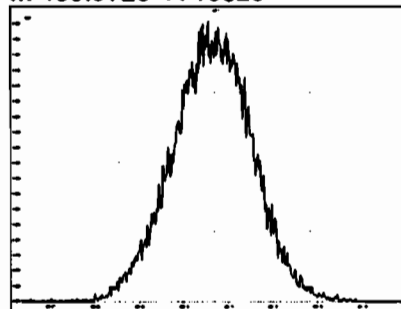
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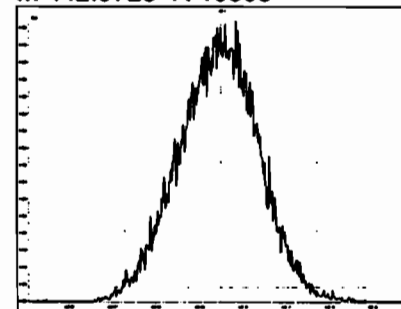
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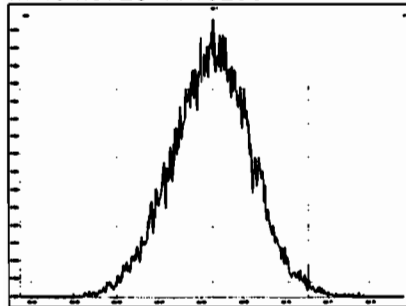
M 430.9728 R 10329



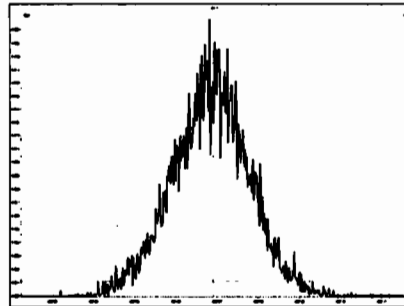
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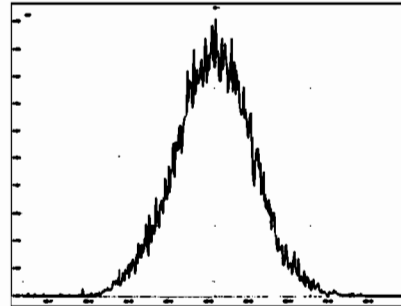
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M 466.9728 R 10914



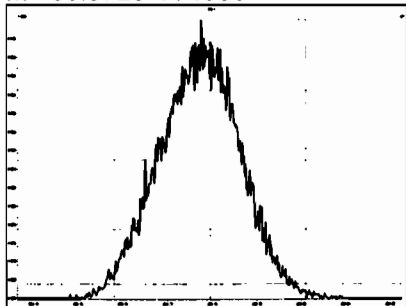
M 480.9696 R 10504



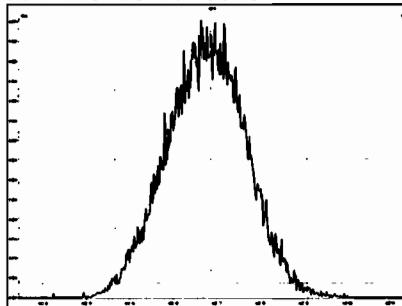
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Printed: Friday, June 05, 2020 09:50:02 Pacific Daylight Time

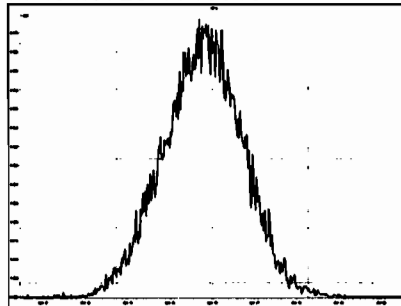
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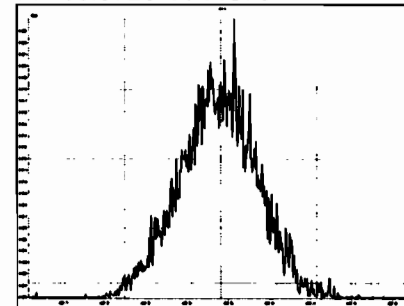
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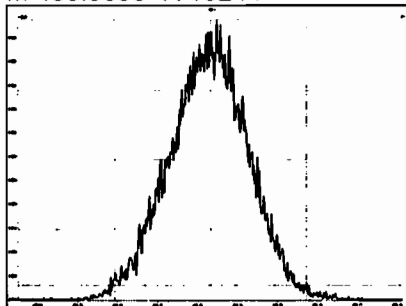
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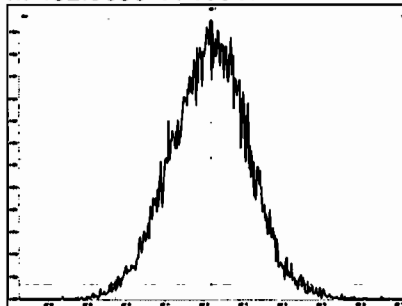
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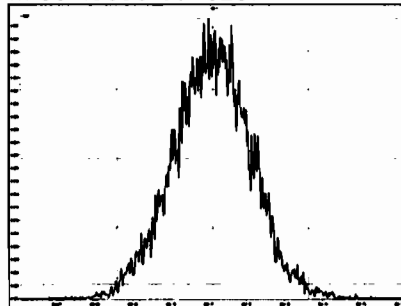
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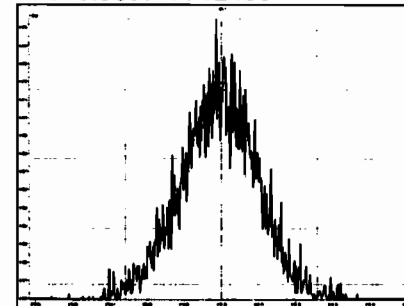
M 492.9696 R 10917



M 504.9696 R 10287



M 516.9697 R 12438



Dataset: Untitled

Last Altered: Friday, June 05, 2020 10:39:18 Pacific Daylight Time

Printed: Friday, June 05, 2020 10:39:30 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

Name: 200605R1_1, Date: 05-Jun-2020, Time: 09:52:20, ID: ST200605R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	# Name	RT
1	1 1,3,6,8-TCDD (First)	22.49
2	2 1,2,8,9-TCDD (Last)	27.47
3	3 1,2,4,7,9-PeCDD (First)	29.25
4	4 1,2,3,8,9-PeCDD (Last)	31.85
5	5 1,2,4,6,7,9-HxCDD (First)	33.33
6	6 1,2,3,7,8,9-HxCDD (Last)	35.22
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.74
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.77
9	9 1,3,6,8-TCDF (First)	20.35
10	10 1,2,8,9-TCDF (Last)	27.62
11	11 1,3,4,6,8-PeCDF (First)	27.58
12	12 1,2,3,8,9-PeCDF (Last)	32.09
13	13 1,2,3,4,6,8-HxCDF (First)	32.79
14	14 1,2,3,7,8,9-HxCDF (Last)	35.59
15	15 1,2,3,4,6,7,8-HpCDF (First)	37.35
16	16 1,2,3,4,7,8,9-HpCDF (Last)	39.31

Dataset: Untitled

Last Altered: Friday, June 05, 2020 10:39:18 Pacific Daylight Time
Printed: Friday, June 05, 2020 10:39:30 Pacific Daylight Time

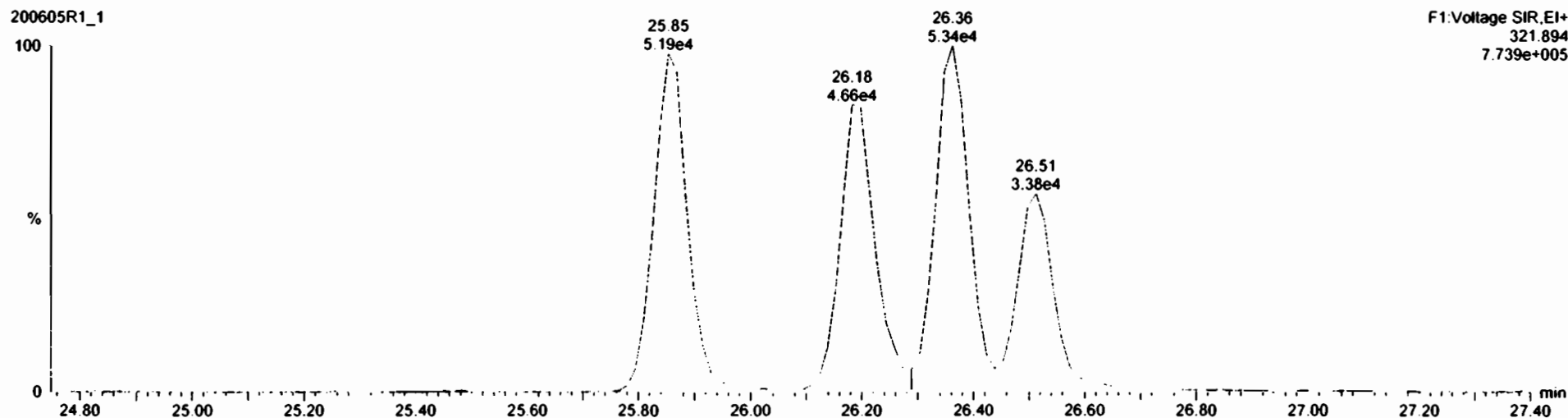
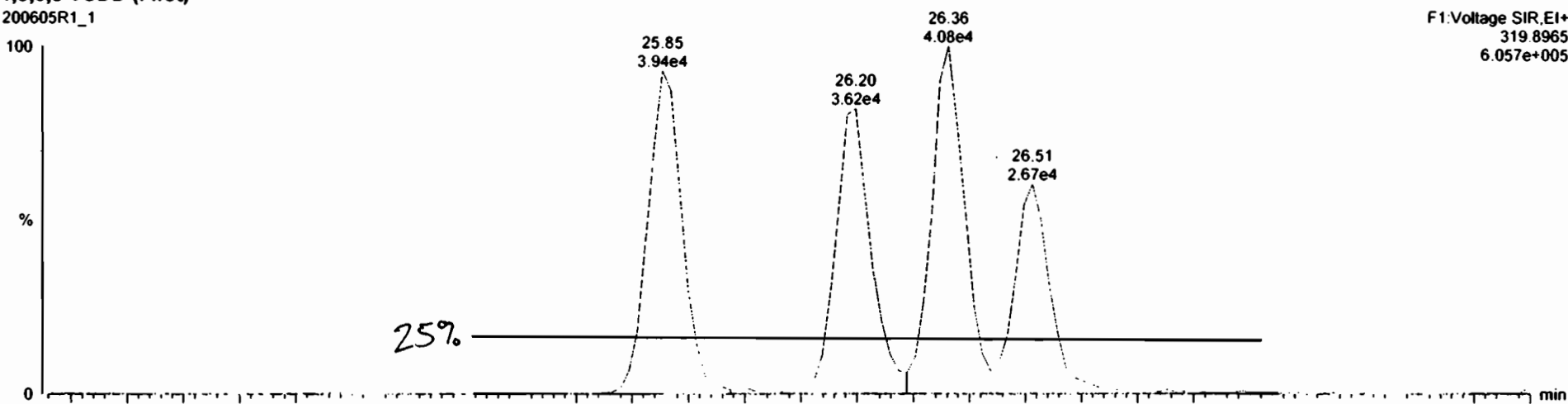
GRB 06/05/2020

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

Name: 200605R1_1, Date: 05-Jun-2020, Time: 09:52:20, ID: ST200605R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,3,6,8-TCDD (First)
200605R1_1

F1: Voltage SIR, EI+
319.8965
6.057e+005



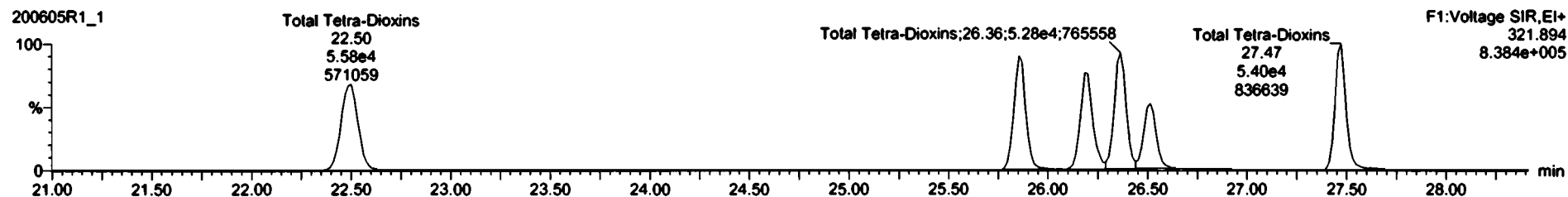
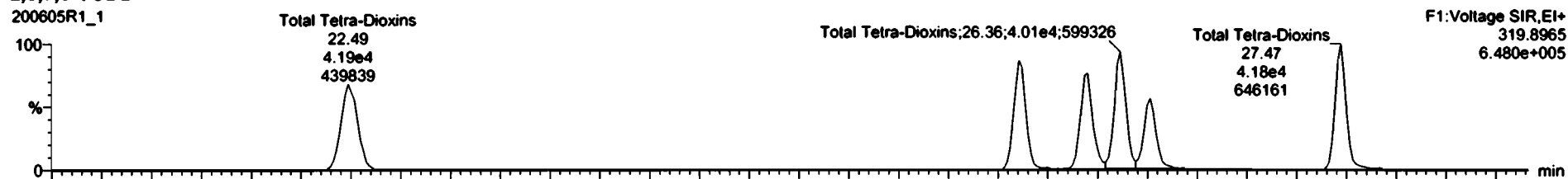
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Last Altered: Friday, June 05, 2020 10:39:58 Pacific Daylight Time
Printed: Friday, June 05, 2020 10:41:21 Pacific Daylight Time

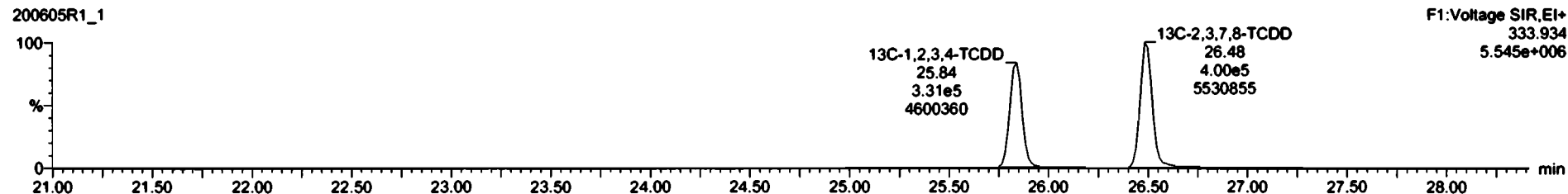
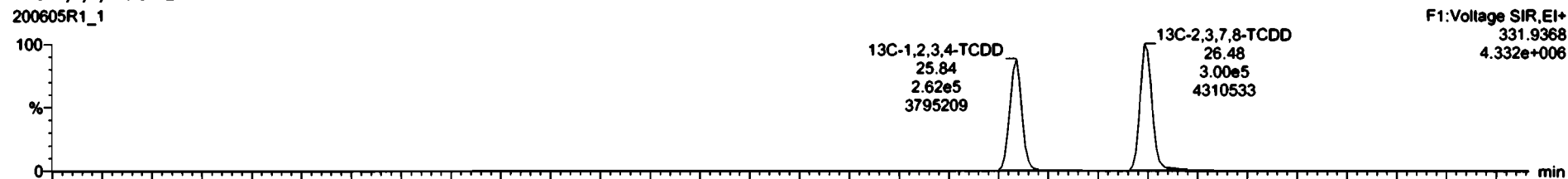
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Name: 200605R1_1, Date: 05-Jun-2020, Time: 09:52:20, ID: ST200605R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDD



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



Dataset: Untitled

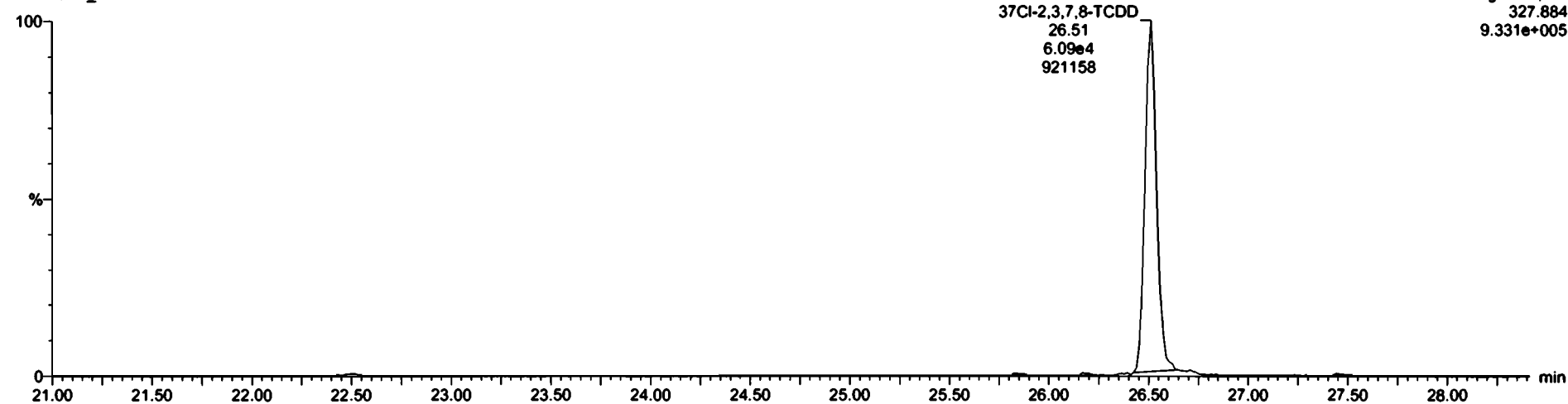
Last Altered: Friday, June 05, 2020 10:39:58 Pacific Daylight Time

Printed: Friday, June 05, 2020 10:41:21 Pacific Daylight Time

Name: 200605R1_1, Date: 05-Jun-2020, Time: 09:52:20, ID: ST200605R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

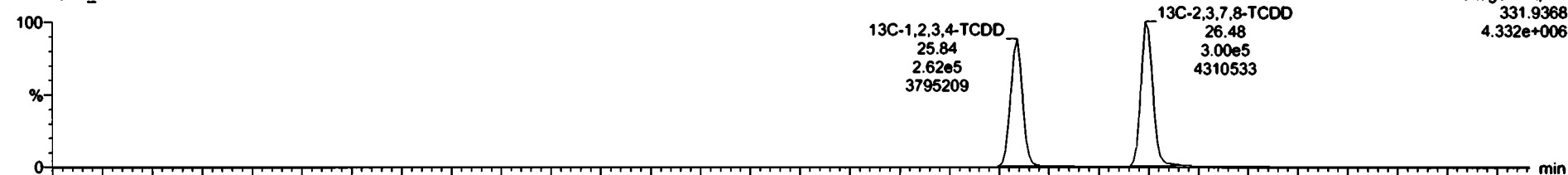
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200605R1_1

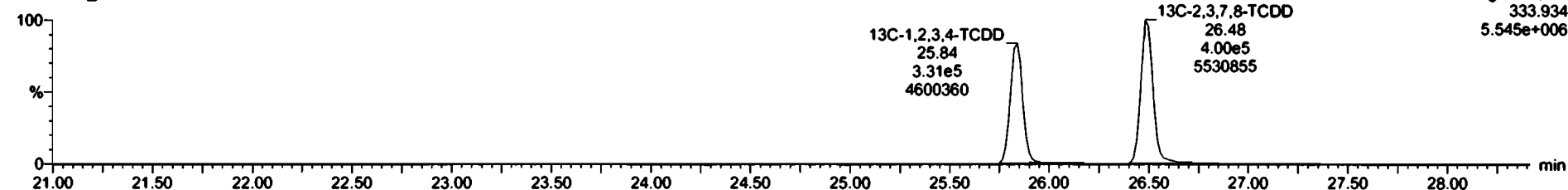


13C-1,2,3,4-TCDD

200605R1_1



200605R1_1



Dataset: Untitled

Last Altered: Friday, June 05, 2020 10:39:58 Pacific Daylight Time
Printed: Friday, June 05, 2020 10:41:21 Pacific Daylight Time

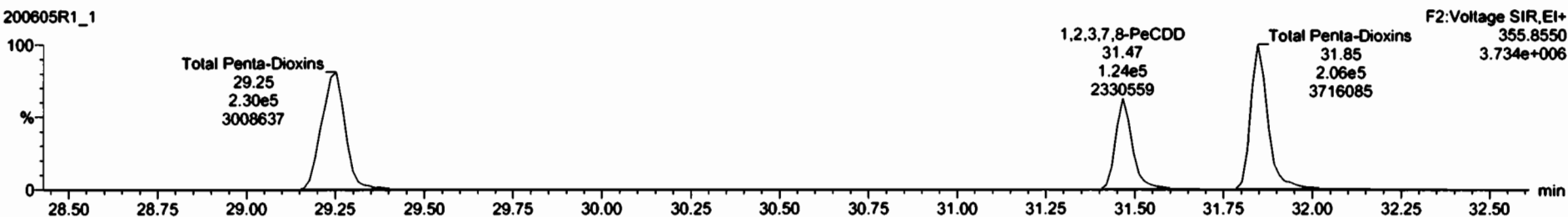
Name: 200605R1_1, Date: 05-Jun-2020, Time: 09:52:20, ID: ST200605R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,2,3,7,8-PeCDD

200605R1_1



200605R1_1

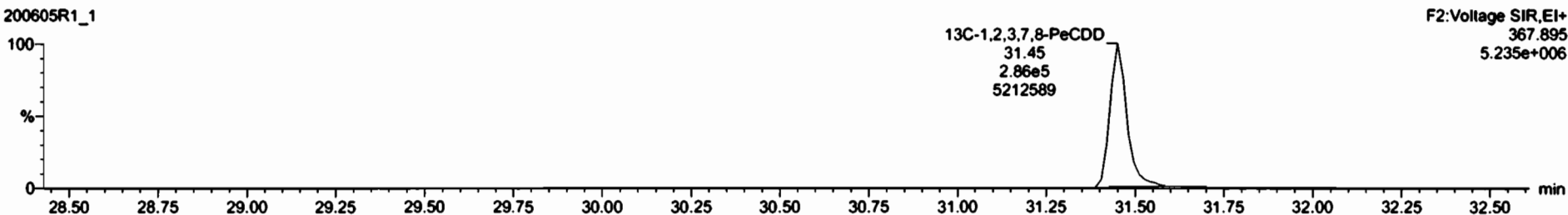


13C-1,2,3,7,8-PeCDD

200605R1_1



200605R1_1



Dataset: Untitled

Last Altered: Friday, June 05, 2020 10:39:58 Pacific Daylight Time

Printed: Friday, June 05, 2020 10:41:21 Pacific Daylight Time

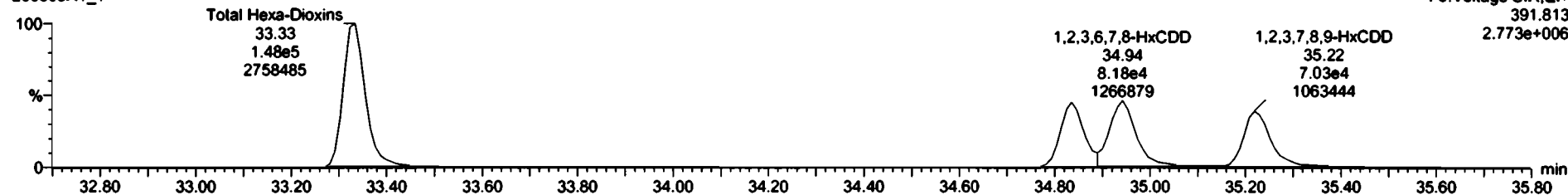
Name: 200605R1_1, Date: 05-Jun-2020, Time: 09:52:20, ID: ST200605R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200605R1_1



200605R1_1

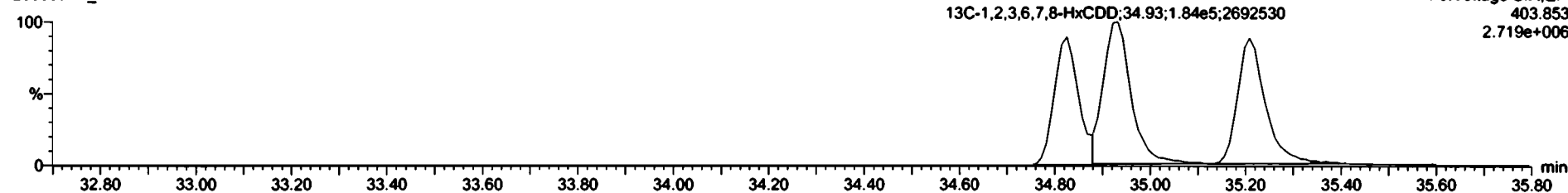


13C-1,2,3,4,7,8-HxCDD

200605R1_1



200605R1_1



Dataset: Untitled

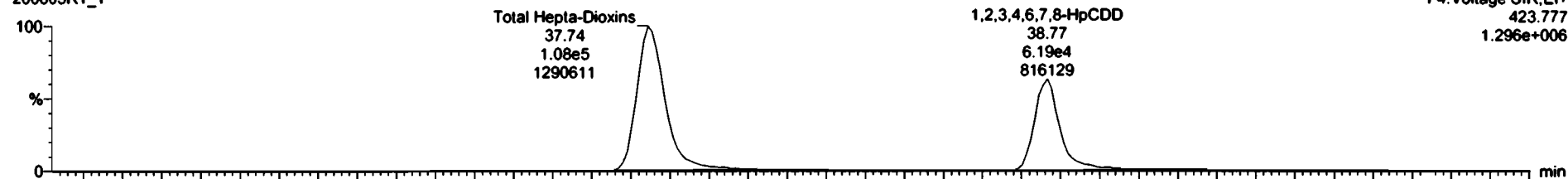
Last Altered: Friday, June 05, 2020 10:39:58 Pacific Daylight Time

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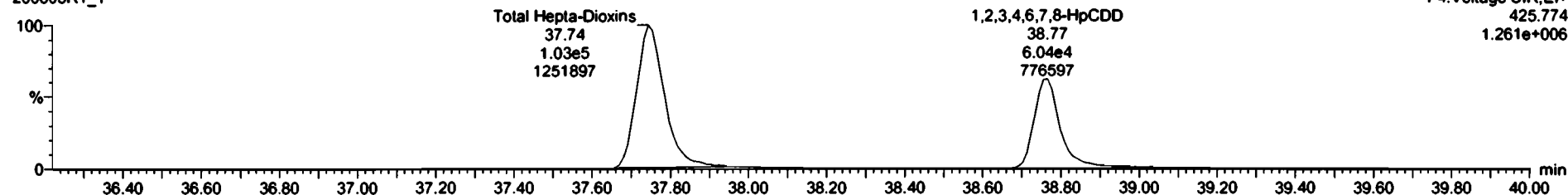
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1,2,3,4,6,7,8-HpCDD

200605R1_1

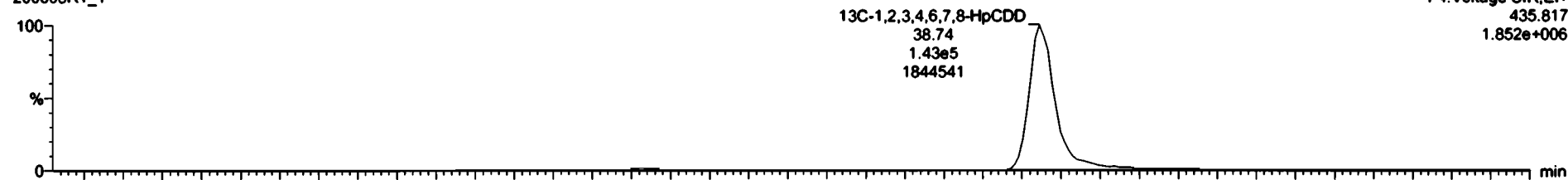


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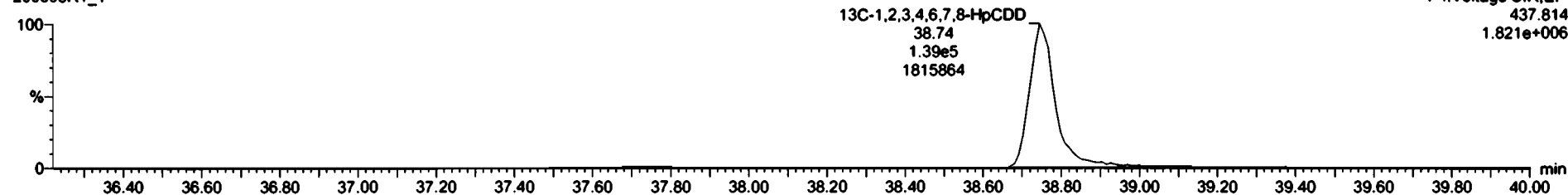


13C-1,2,3,4,6,7,8-HpCDD

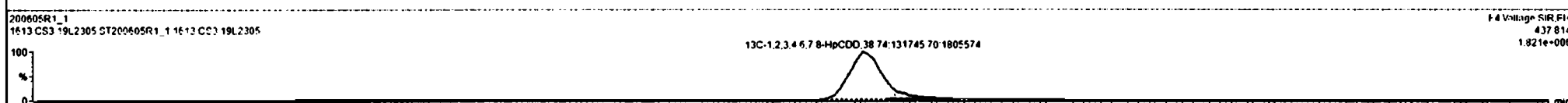
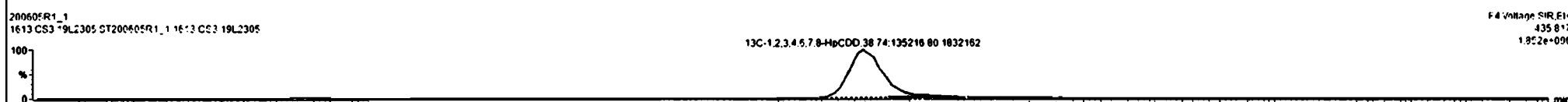
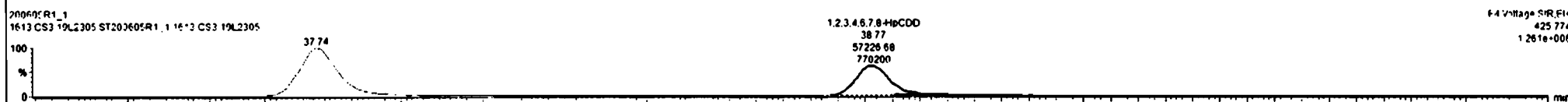
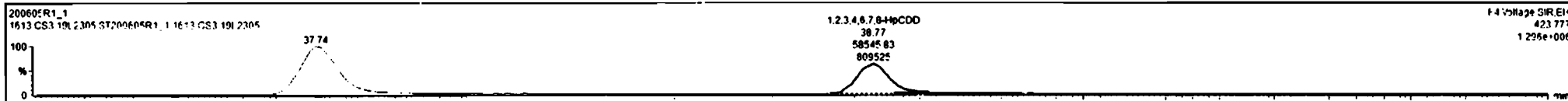
200605R1_1



200605R1_1



#	Item	Resp	IS Resp	Pred RA	RA	nly	RSP	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	1,2,3,7,8-TCDD	5.89e4	7.09e5	0.77	0.80	NO	0.8863	28.52	28.53	NO	1.001	1.001	9.15	91.5	NO
2	1,2,3,7,8-PeCDD	2.02e5	4.69e5	0.63	0.63	NO	0.9881	31.47	31.47	NO	1.001	1.000	47.5	95.8	NO
3	1,2,3,4,7,8-HxCDD	1.59e5	3.24e5	1.24	1.26	NO	1.0334	34.84	34.84	NO	1.000	1.000	47.6	95.2	NO
4	1,2,3,6,7,8-HxCDD	1.81e5	4.19e5	1.24	1.22	NO	0.8923	34.92	34.94	NO	1.000	1.001	48.5	95.9	NO
5	1,2,3,7,8,9-HxCDD	1.56e5	3.84e5	1.24	1.22	NO	0.8899	35.22	35.22	NO	1.000	1.000	48.4	95.9	NO
6	1,2,3,4,6,7,8-HpCDD	1.18e5	2.87e5	1.68	1.62	NO	1.0000	38.78	38.77	NO	1.000	1.001	80.2	100	NO
7	OCDD	2.52e5	5.42e5	0.89	0.86	NO	0.9138	41.72	41.74	NO	1.000	1.001	102	102	NO
8	2,3,7,8-TCDF	6.95e4	6.97e5	0.77	0.74	NO	0.7510	25.63	25.61	NO	1.001	1.001	9.87	96.7	NO
9	1,2,3,7,8-PeCDF	3.07e5	7.29e5	1.55	1.58	NO	0.8925	30.19	30.18	NO	1.001	1.000	47.8	95.6	NO
10	1,2,3,4,7,8-HxCDF	3.07e5	6.77e5	1.55	1.54	NO	0.9348	31.18	31.18	NO	1.001	1.001	48.6	97.1	NO
11	1,2,3,4,7,8-HpCDF	1.91e5	4.27e5	1.24	1.20	NO	0.8845	33.95	33.96	NO	1.000	1.000	50.7	101	NO
12	1,2,3,6,7,8-HxCDF	2.22e5	4.92e5	1.24	1.20	NO	0.8892	34.08	34.08	NO	1.000	1.000	50.7	101	NO
13	1,2,3,6,7,8-HpCDF	2.00e5	4.43e5	1.24	1.22	NO	0.9341	34.69	34.67	NO	1.001	1.000	48.3	96.6	NO
14	1,2,3,7,8,9-HxCDF	1.56e5	3.61e5	1.24	1.17	NO	0.8707	35.57	35.59	NO	1.000	1.001	49.7	99.3	NO
15	1,2,3,4,6,7,8-HpCDF	1.48e5	3.24e5	1.04	0.98	NO	0.8734	37.38	37.35	NO	1.001	1.000	52.5	105	NO
16	1,2,3,4,7,8,9-HpCDF	1.14e5	2.17e5	1.04	0.96	NO	1.0128	39.29	39.31	NO	1.000	1.001	51.7	102	NO
17	OCDF	2.80e5	6.45e5	0.89	0.86	NO	0.8855	41.81	41.92	NO	1.000	1.000	99.6	99.8	NO
18	13C-2,3,7,8-TCDD	7.89e5	5.93e5	0.77	0.75	NO	1.1583	25.52	25.48	NO	1.025	1.025	102	102	NO
19	13C-1,2,3,7,8-PeCDD	4.68e5	5.93e5	0.63	0.64	NO	0.8490	31.71	31.45	NO	1.227	1.217	92.2	93.2	NO
20	13C-1,2,3,4,7,8-HxCDD	3.24e5	4.36e5	1.24	1.26	NO	0.7790	34.83	34.82	NO	1.014	1.014	94.8	94.8	NO
21	13C-1,2,3,6,7,8-HxCDD	4.19e5	4.36e5	1.24	1.27	NO	1.0167	34.94	34.92	NO	1.017	1.017	94.0	94.0	NO



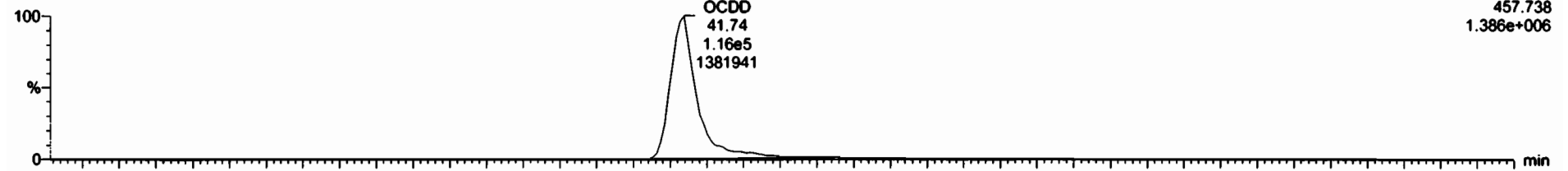
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Last Altered: Friday, June 05, 2020 10:39:58 Pacific Daylight Time
Printed: Friday, June 05, 2020 10:41:21 Pacific Daylight Time

Name: 200605R1_1, Date: 05-Jun-2020, Time: 09:52:20, ID: ST200605R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

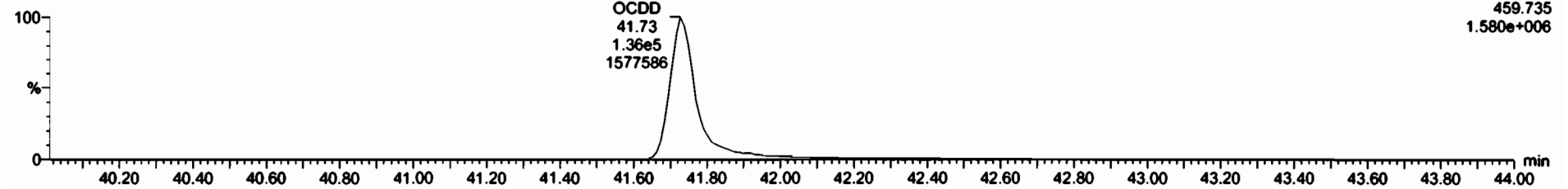
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200605R1_1



F5:Voltage SIR,EI+
457.738
1.386e+006

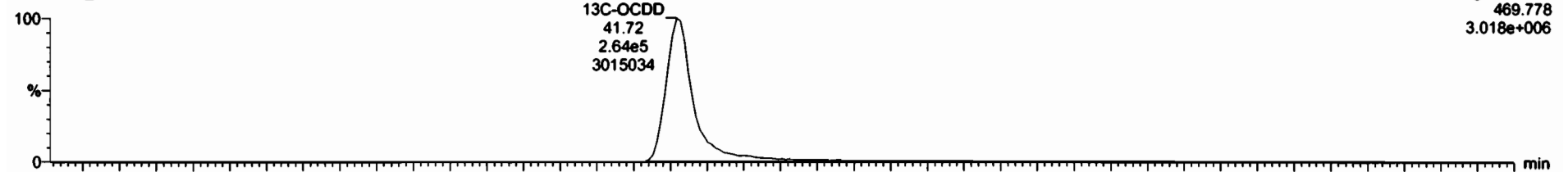
200605R1_1



F5:Voltage SIR,EI+
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1.580e+006

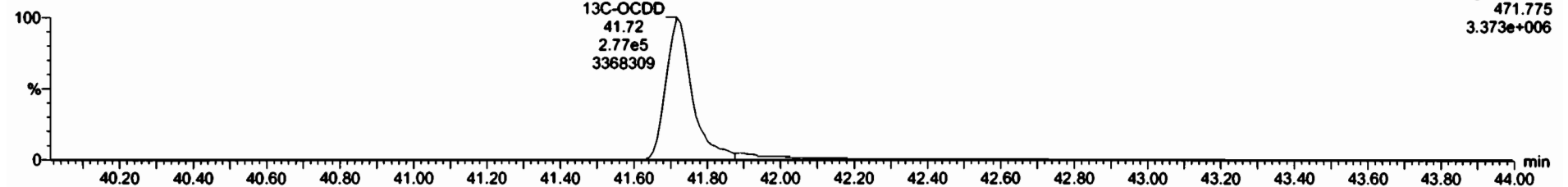
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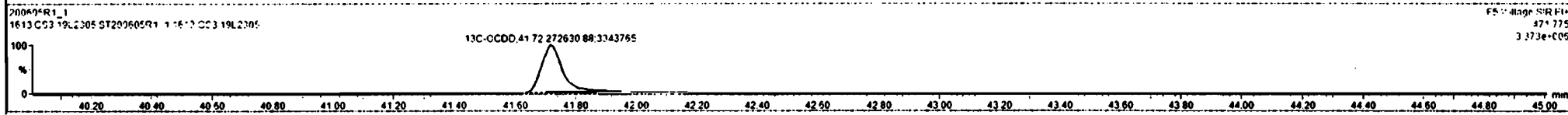
F5:Voltage SIR,EI+
469.778
3.018e+006

200605R1_1



F5:Voltage SIR,EI+
471.775
3.373e+006

#	ID	Name	Resp	IS Resp	Prod RA	RA	aly	RRP	Prod RT	RT	RT Flag	Prod RRT	RRT	Conc.	%Rec	STD out
1	1	2,3,7,8-TCDD	5.69e4	7.99e5	0.77	0.90	NO	0.8683	28.52	25.51	NO	1.001	1.001	9.15	91.5	NO
2	2	1,2,3,7,8-PeCDD	2.02e5	4.69e5	0.63	0.63	NO	0.9661	31.47	31.47	NO	1.001	1.000	47.5	95.8	NO
3	3	1,2,3,4,7,8-HxCDD	1.59e5	3.24e5	1.24	1.26	NO	1.0334	34.84	34.84	NO	1.000	1.000	47.6	95.2	NO
4	4	1,2,3,6,7,8-HxCDD	1.81e5	4.19e5	1.24	1.22	NO	0.8923	34.92	34.94	NO	1.000	1.001	48.5	95.9	NO
5	5	1,2,3,7,8,9-HxCDD	1.58e5	3.84e5	1.24	1.22	NO	0.8869	35.22	35.22	NO	1.000	1.000	48.4	96.9	NO
6	6	1,2,3,4,6,7,8-HpCDD	1.10e5	2.07e5	1.04	1.02	NO	0.8638	36.76	36.77	NO	1.000	1.001	50.2	100	NO
7	7	OCDD	2.38e5	5.17e5	0.89	0.89	NO	0.9735	41.72	41.74	NO	1.000	1.001	99.8	99.8	NO
8	8	2,3,7,8-TCDF	6.65e4	8.97e5	0.77	0.74	NO	0.7510	25.03	25.61	HO	1.001	1.001	9.87	96.7	NO
9	9	1,2,3,7,8-PeCDF	3.07e5	7.20e5	1.55	1.56	NO	0.8925	30.19	30.18	NO	1.001	1.000	47.8	95.6	NO
10	10	2,3,4,7,8-PeCDF	3.07e5	6.77e5	1.55	1.54	NO	0.9348	31.18	31.18	NO	1.001	1.001	48.6	97.1	NO
11	11	1,2,3,4,7,8-HxCDF	1.91e5	4.27e5	1.24	1.20	NO	0.8845	33.95	33.96	NO	1.000	1.000	50.7	101	NO
12	12	1,2,3,6,7,8-HxCDF	2.22e5	4.92e5	1.24	1.20	NO	0.8992	34.06	34.08	NO	1.000	1.000	50.7	101	NO
13	13	2,3,4,6,7,8-HxCDF	2.00e5	4.43e5	1.24	1.22	NO	0.9341	34.69	34.67	HO	1.001	1.000	48.3	96.6	NO
14	14	1,2,3,7,8,9-HxCDF	1.54e5	3.61e5	1.24	1.17	NO	0.8707	35.57	35.59	NO	1.000	1.001	49.7	99.3	NO
15	15	1,2,3,4,6,7,8-HpCDF	1.48e5	3.24e5	1.04	0.99	NO	0.8734	37.36	37.25	NO	1.001	1.000	52.5	105	NO
16	16	1,2,3,4,7,8,9-HpCDF	1.14e5	2.17e5	1.04	0.98	NO	1.0128	39.29	39.21	NO	1.000	1.001	51.7	102	NO
17	17	OCDF	2.80e5	6.45e5	0.89	0.86	NO	0.8065	41.91	41.92	HO	1.000	1.000	99.8	99.8	NO
18	18	13C-2,3,7,8-TCDD	7.09e5	5.93e5	0.77	0.75	NO	1.1583	25.52	26.48	HO	1.028	1.025	102	102	NO
19	19	13C-1,2,3,7,8-PeCDD	4.09e5	5.93e5	0.63	0.64	NO	0.8490	31.71	31.45	NO	1.227	1.217	92.2	93.2	NO
20	20	13C-1,2,3,4,7,8-HxCDD	3.24e5	4.38e5	1.24	1.28	NO	0.7790	34.83	34.83	NO	1.014	1.014	94.8	94.8	NO
21	21	13C-1,2,3,6,7,8-HxCDD	4.19e5	1.24	1.27	NO	1.0197	34.94	34.92	NO	1.017	1.017	94.0	94.0	NO	



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Last Altered: Friday, June 05, 2020 10:39:58 Pacific Daylight Time

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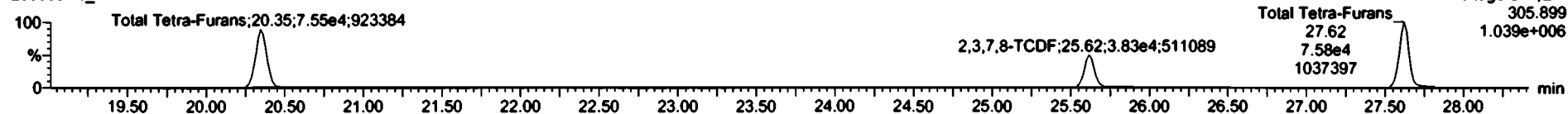
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2,3,7,8-TCDF

200605R1_1

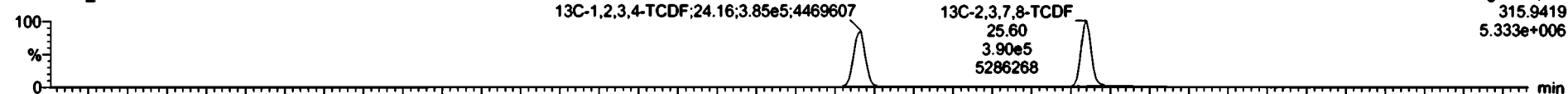


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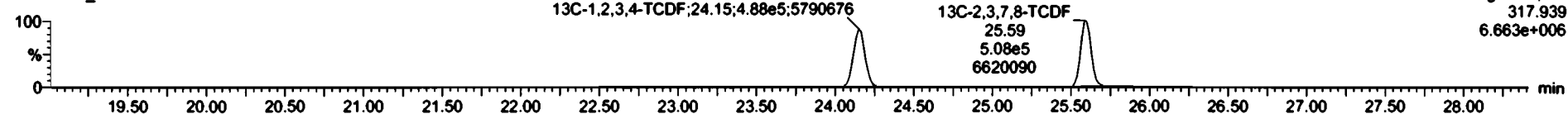


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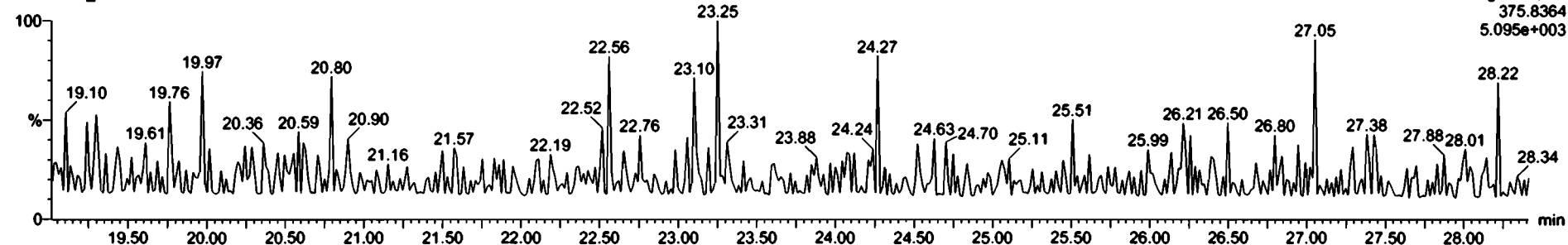


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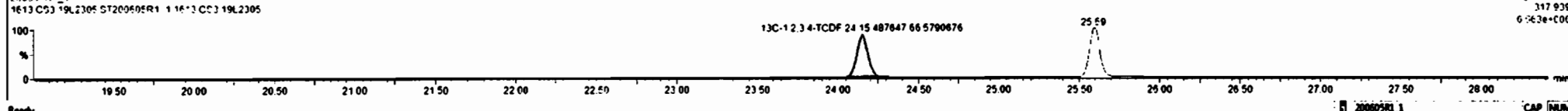
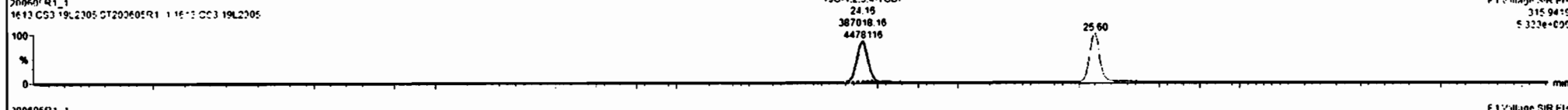
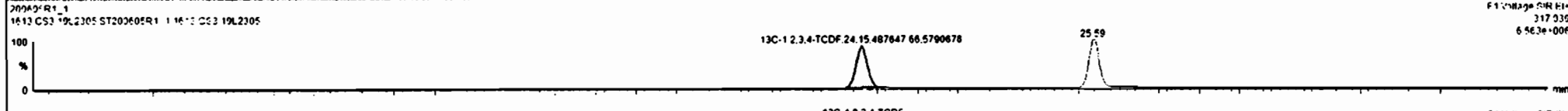
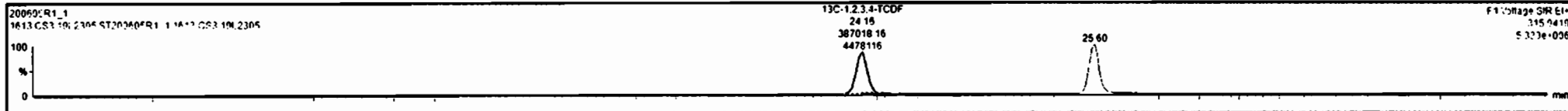


DPE1

200605R1_1



#	Name	Resp	IS Resp	Prod RA	RA	nly	RF	Prod RT	RT	RT Flag	Prod RT	RT	Conc.	%Rec	STD est
23	13C-1,2,3,4,6,7,8-HpCDD	2.67e5	4.38e5	1.04	1.03	NO	0.0092	36.74	36.74	NO	1.128	1.128	88.4	88.4	NO
24	13C-OCDD	5.17e5	4.38e5	0.89	0.90	NO	0.0521	41.76	41.72	NO	1.216	1.215	181	90.5	NO
25	13C-2,3,7,8-TCDF	8.97e5	8.75e5	0.77	0.77	NO	1.0590	25.58	25.60	NO	0.989	0.991	98.9	98.9	NO
26	13C-1,2,3,7,8-PeCDF	7.20e5	8.75e5	1.55	1.60	NO	0.8380	30.09	30.17	NO	1.161	1.164	98.2	98.2	NO
27	13C-2,3,4,7,8-PeCDF	6.77e5	8.75e5	1.55	1.59	NO	0.8108	31.05	31.15	NO	1.202	1.205	94.8	94.8	NO
28	13C-1,2,3,4,7,8-HxCDF	4.27e5	4.38e5	0.51	0.50	NO	1.0075	33.96	33.95	NO	0.989	0.989	98.6	98.6	NO
29	13C-1,2,3,6,7,8-HxCDF	4.92e5	4.38e5	0.51	0.50	NO	1.1670	34.06	34.07	NO	0.992	0.992	98.2	98.2	NO
30	13C-2,3,4,6,7,8-HxCDF	4.34e5	4.38e5	0.51	0.50	NO	1.0219	34.66	34.66	NO	1.009	1.009	97.0	97.0	NO
31	13C-1,2,3,7,8,9-HxCDF	3.48e5	4.38e5	0.51	0.50	NO	0.8585	35.56	35.57	NO	1.031	1.031	92.3	92.3	NO
32	13C-1,2,3,4,6,7,8-HpCDF	3.24e5	4.38e5	0.44	0.44	NO	0.7745	37.31	37.34	NO	1.086	1.087	95.5	95.5	NO
33	13C-1,2,3,4,7,8,9-HxCDF	2.17e5	4.38e5	0.44	0.42	NO	0.5210	39.34	39.29	NO	1.145	1.144	95.2	95.2	NO
34	13C-OCDF	6.41e5	4.38e5	0.89	0.89	NO	0.7457	41.93	41.91	NO	1.221	1.220	196	98.1	NO
35	13C-2,3,7,8-TCDD	6.09e4	5.93e5				1.0368	26.55	26.51	NO	1.028	1.026	93.2	93.2	NO
36	13C-1,2,3,4-TCDD	5.93e5	5.93e5	0.77	0.78	NO	1.0000	25.88	25.84	NO	1.000	1.000	100	100	NO
37	13C-1,2,3,4,6,7,8-HpCDD	6.79e5	8.75e5	0.77	0.76	NO	1.0000	24.36	24.18	NO	1.000	1.000	100	100	NO
38	13C-1,2,3,4,6,8-HxCDD	4.38e5	4.38e5	0.51	0.48	NO	1.0000	34.42	34.35	NO	1.000	1.000	100	100	YES
39	Total Tetra-Dioxins		7.00e5				0.8883	24.42		NO	0.000		82.9		NO
40	Total Penta-Dioxins		4.09e5				0.9881	29.98		NO	0.000		213		NO
41	Total Hexa-Dioxins		0.00e0				0.8923	33.63		NO	0.000		244		NO
42	Total Hepta-Dioxins		2.67e5				0.8639	37.54		NO	0.000		142		NO
43	Total Tetra-Furans		8.97e5				0.7510	23.61		NO	0.000		49.2		NO



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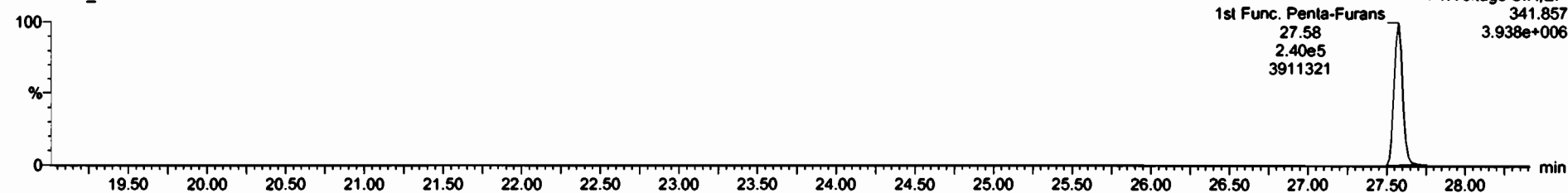
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1st Func. Penta-Furans

200605R1_1

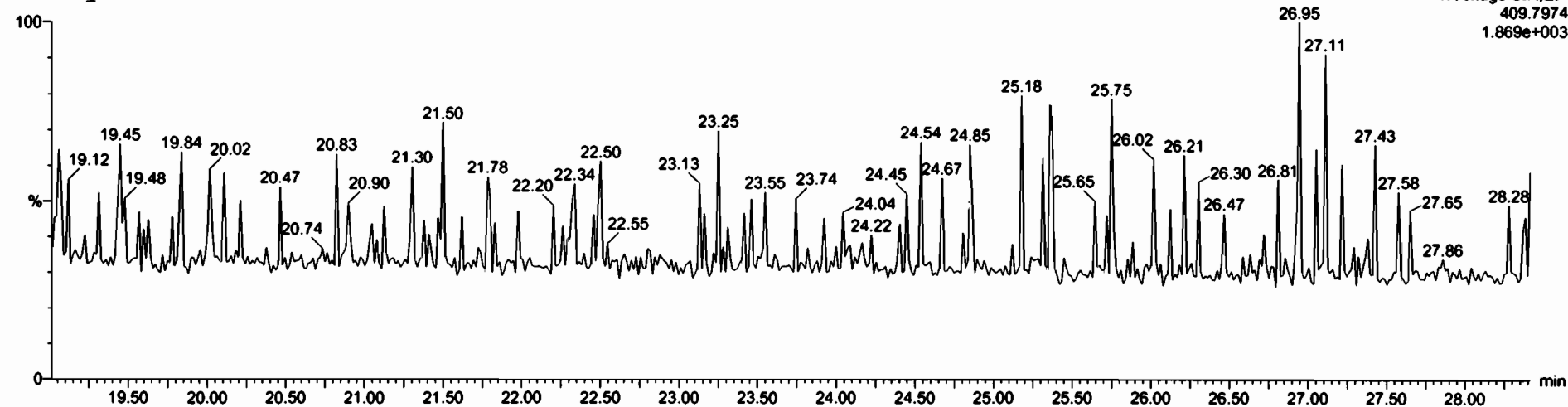


200605R1_1



DPE6

200605R1_1



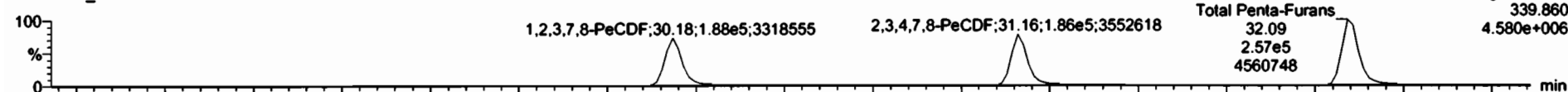
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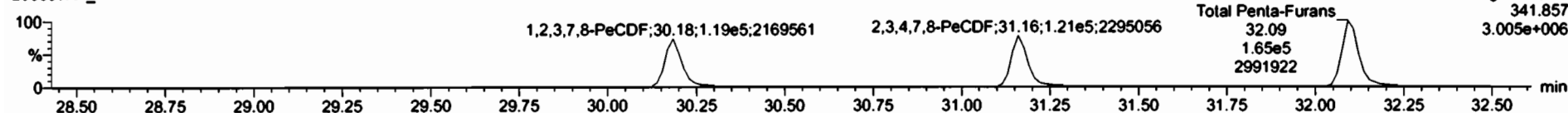
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1,2,3,7,8-PeCDF

200605R1_1

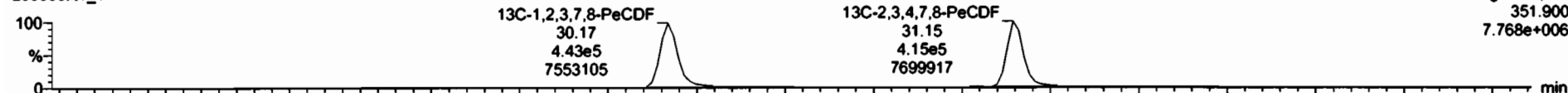


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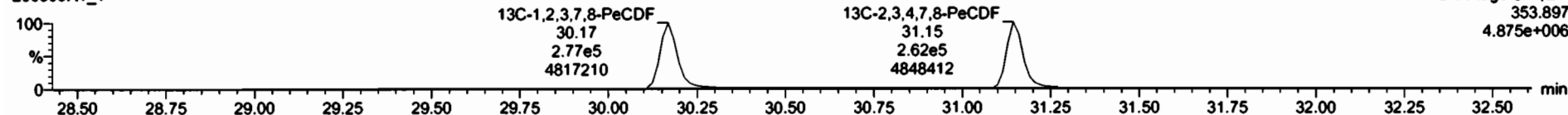


13C-1,2,3,7,8-PeCDF

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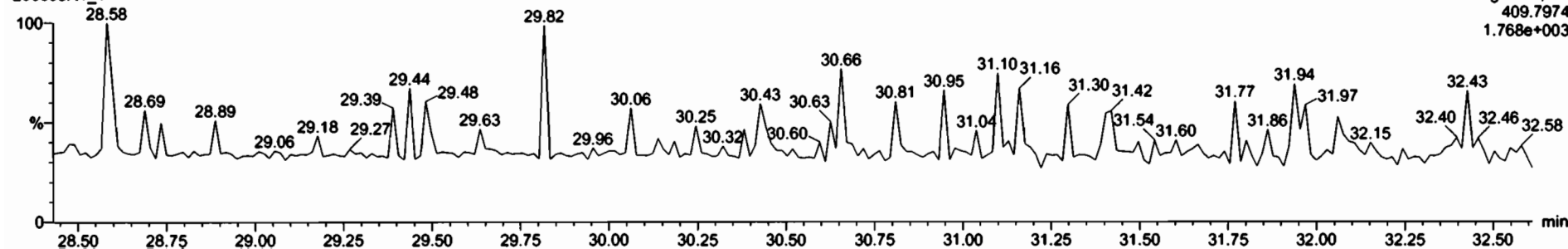


200605R1_1



DPE2

200605R1_1

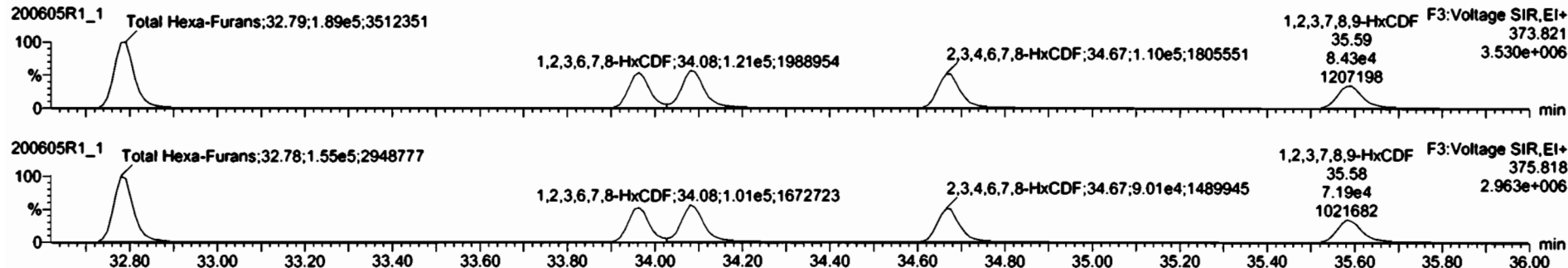


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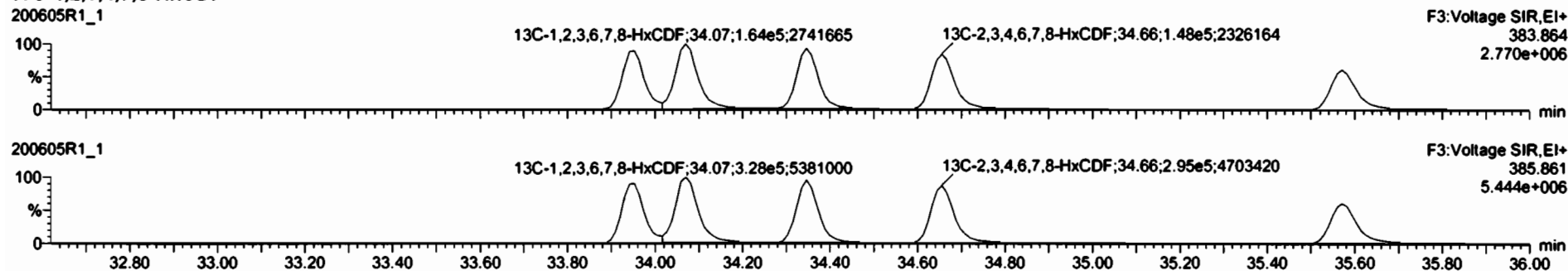
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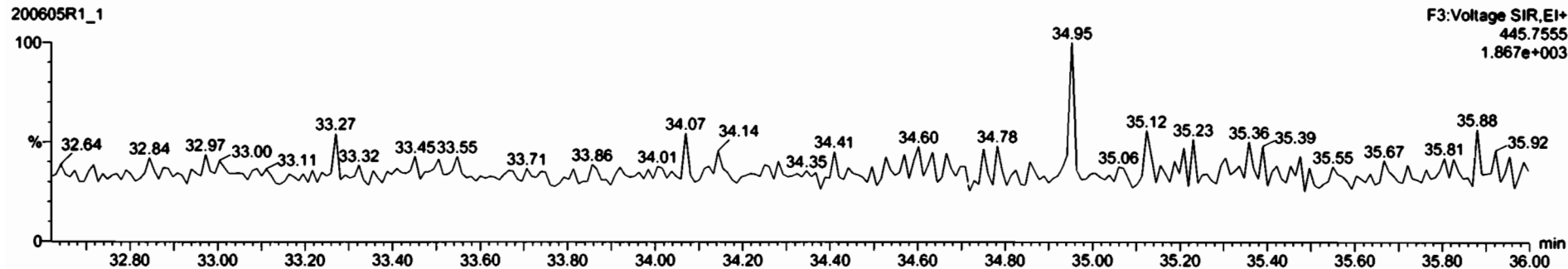
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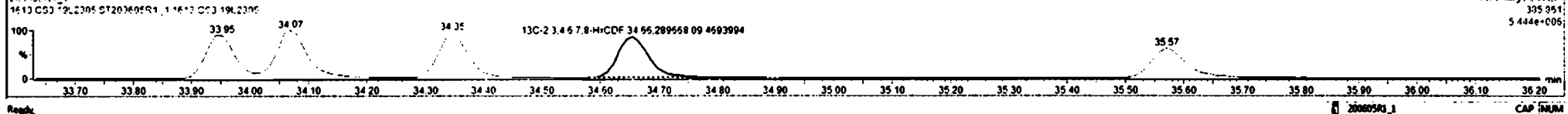
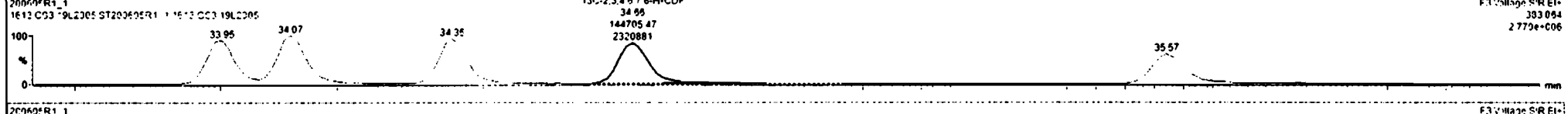
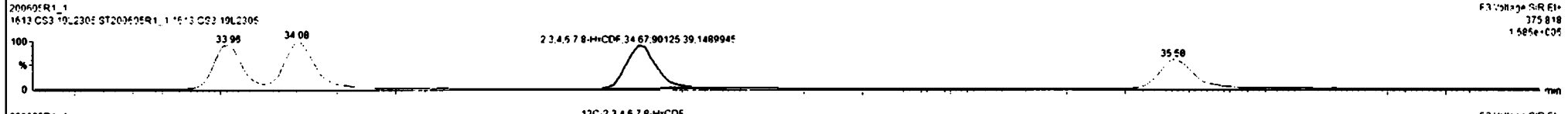
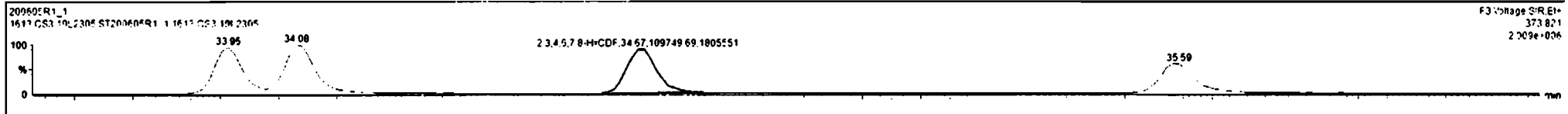
13C-1,2,3,4,7,8-HxCDF

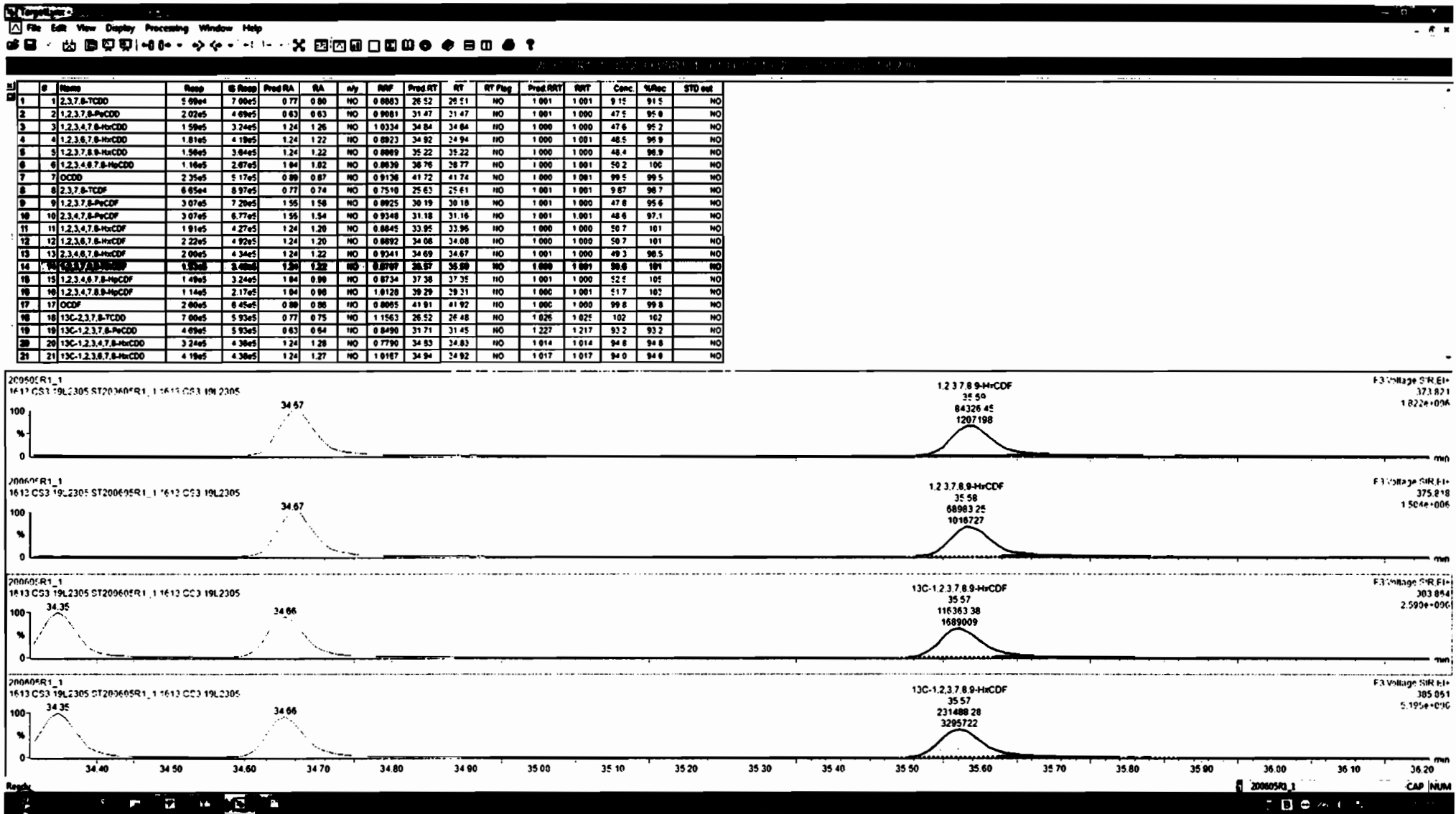


DPE3



#	Name	Resp	Q Resp	Prod RA	RA	n/y	RPF	Prod RT	RT	RT Flag	Prod RRT	RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	5.09e4	7.00e5	0.77	0.80	NO	0.8883	26.52	26.51	HO	1.001	1.001	9.15	91.5	NO
2	1,2,3,7,8-PeCDD	2.02e5	4.69e5	0.63	0.63	NO	0.9081	31.47	31.47	HO	1.001	1.000	47.5	95.0	NO
3	1,2,3,4,7,8-HxCDD	1.59e5	3.24e5	1.24	1.26	NO	1.0334	34.84	34.84	HO	1.000	1.000	47.6	95.2	NO
4	1,2,3,6,7,8-HxCDD	1.81e5	4.19e5	1.24	1.22	NO	0.8923	34.82	34.94	HO	1.000	1.001	48.5	95.9	NO
5	1,2,3,7,8,9-HxCDD	1.56e5	3.64e5	1.24	1.22	NO	0.8809	35.22	35.22	HO	1.000	1.000	48.4	95.9	NO
6	1,2,3,4,6,7,8-HpCDD	1.18e5	2.67e5	1.64	1.02	NO	0.8639	36.76	36.77	NO	1.000	1.001	56.2	100	NO
7	OCDD	2.75e5	5.17e5	0.80	0.87	NO	0.9136	41.72	41.74	HO	1.000	1.001	99.5	99.5	NO
8	2,3,7,8-TCDF	6.95e4	8.97e5	0.77	0.74	NO	0.7510	25.63	25.61	NO	1.001	1.001	9.87	96.7	NO
9	1,2,3,7,8-PeCDF	3.07e5	7.20e5	1.55	1.58	NO	0.8925	30.19	30.18	HO	1.001	1.000	47.6	95.6	NO
10	1,2,3,4,7,8-PeCDF	3.07e5	6.77e5	1.55	1.54	NO	0.9348	31.16	31.16	HO	1.001	1.001	48.6	97.1	NO
11	1,2,3,4,7,8-HxCDF	1.91e5	4.27e5	1.24	1.20	NO	0.8645	33.95	33.95	HO	1.000	1.000	50.7	101	NO
12	1,2,3,6,7,8-HxCDF	2.22e5	4.92e5	1.24	1.20	NO	0.8892	34.08	34.08	HO	1.000	1.000	50.7	101	NO
13	1,2,3,7,8,9-HxCDF	2.80e5	4.34e5	1.24	1.22	NO	0.9341	34.60	34.67	HO	1.001	1.000	48.3	96.6	NO
14	1,2,3,4,7,8,9-HpCDF	1.56e5	3.61e5	1.24	1.17	NO	0.8707	35.57	35.59	HO	1.001	1.001	49.7	99.3	NO
15	1,2,3,4,6,7,8-HpCDF	1.49e5	3.24e5	1.04	0.99	NO	0.8734	37.38	37.35	HO	1.001	1.000	52.5	105	NO
16	OCDF	1.14e5	2.17e5	1.04	0.96	NO	1.0128	39.29	39.31	HO	1.000	1.001	51.7	102	NO
17	13C-2,3,7,8-TCDD	2.80e5	6.45e5	0.80	0.86	NO	0.8895	41.91	41.92	HO	1.000	1.000	99.8	99.8	NO
18	13C-1,2,3,7,8-PeCDD	7.00e5	5.93e5	0.77	0.75	NO	1.1563	26.52	26.48	HO	1.025	1.025	102	102	NO
19	13C-1,2,3,7,8-PeCDD	4.69e5	5.93e5	0.63	0.64	NO	0.8490	31.71	31.45	HO	1.227	1.217	93.2	93.2	NO
20	13C-1,2,3,4,7,8-HxCDD	3.24e5	4.38e5	1.24	1.28	NO	0.7790	34.87	34.82	HO	1.014	1.014	94.6	94.8	NO
21	13C-1,2,3,6,7,8-HxCDD	4.19e5	4.38e5	1.24	1.27	NO	1.0167	34.94	34.92	HO	1.017	1.017	94.0	94.0	NO





#	Name	Resp	IS Resp	Pred RA	RA	My	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD est
1	2,3,7,8-TCDD	5.69e4	7.00e5	0.77	0.80	NO	0.8883	26.52	26.51	NO	1.001	1.001	9.15	91.5	NO
2	1,2,3,7,8-PeCDD	2.02e5	4.69e5	0.63	0.63	NO	0.9081	31.47	31.47	NO	1.001	1.000	47.5	95.8	NO
3	1,2,3,4,7,8-HxCDD	1.59e5	3.24e5	1.24	1.26	NO	1.0334	34.84	34.84	HO	1.000	1.000	47.6	95.2	NO
4	1,2,3,6,7,8-HxCDD	1.81e5	4.19e5	1.24	1.22	NO	0.8923	34.92	34.94	HO	1.000	1.001	46.5	95.9	NO
5	1,2,3,7,8,9-HxCDD	1.56e5	3.84e5	1.24	1.22	NO	0.8989	35.22	35.22	HO	1.000	1.000	46.4	96.9	NO
6	1,2,3,4,6,7,8-HxCDD	1.16e5	2.67e5	1.84	1.82	NO	0.8636	36.76	36.77	HO	1.000	1.001	50.2	100	NO
7	OCDD	2.35e5	5.17e5	0.89	0.87	NO	0.9136	41.72	41.74	NO	1.000	1.001	99.5	99.5	NO
8	2,3,7,8-TCDF	6.65e4	8.97e5	0.77	0.74	NO	0.7510	25.63	25.61	NO	1.001	1.001	9.67	96.7	NO
9	1,2,3,7,8-PeCDF	3.07e5	7.20e5	1.55	1.58	NO	0.8925	30.19	30.18	NO	1.001	1.000	47.8	95.6	NO
10	1,2,3,4,7,8-PeCDF	3.07e5	6.77e5	1.55	1.54	NO	0.9348	31.18	31.16	HO	1.001	1.001	46.6	97.1	NO
11	1,2,3,4,7,8-HxCDF	1.91e5	4.27e5	1.24	1.20	NO	0.8645	33.95	33.95	HO	1.000	1.000	50.7	101	NO
12	1,2,3,6,7,8-HxCDF	2.22e5	4.92e5	1.24	1.20	NO	0.8892	34.06	34.08	HO	1.000	1.000	50.7	101	NO
13	1,2,3,4,6,7,8-HxCDF	2.00e5	4.34e5	1.24	1.22	NO	0.9241	34.69	34.67	HO	1.001	1.000	49.3	98.5	NO
14	1,2,3,7,8,9-HxCDF	1.53e5	3.60e5	1.24	1.22	NO	0.8787	35.57	35.59	HO	1.000	1.001	50.6	101	NO
15	1,2,3,4,6,7,8-HxCDF	1.49e5	3.24e5	1.84	0.90	NO	0.8734	37.38	37.35	HO	1.001	1.000	52.5	105	NO
16	1,2,3,4,7,8,9-HxCDF	1.14e5	2.17e5	1.84	0.90	NO	1.0128	39.29	39.31	HO	1.000	1.001	51.7	102	NO
17	OCDF	2.80e5	6.45e5	0.89	0.88	NO	0.8955	41.91	41.92	HO	1.000	1.000	99.8	99.8	NO
18	1,3C-2,3,7,8-TCDD	7.00e5	5.93e5	0.77	0.75	NO	1.1563	26.52	26.48	NO	1.025	1.025	102	102	NO
19	1,3C-1,2,3,7,8-PeCDD	4.69e5	5.93e5	0.63	0.64	NO	0.8490	31.71	31.45	NO	1.227	1.217	93.2	93.2	NO
20	1,3C-1,2,3,4,7,8-HxCDD	3.24e5	4.38e5	1.24	1.28	NO	0.7790	34.83	34.83	HO	1.014	1.014	94.8	94.8	NO
21	1,3C-1,2,3,7,8-HxCDD	4.19e5	4.38e5	1.24	1.27	NO	1.0167	34.94	34.92	HO	1.017	1.017	94.0	94.0	NO

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Printed: Friday, June 05, 2020 10:41:21 Pacific Daylight Time

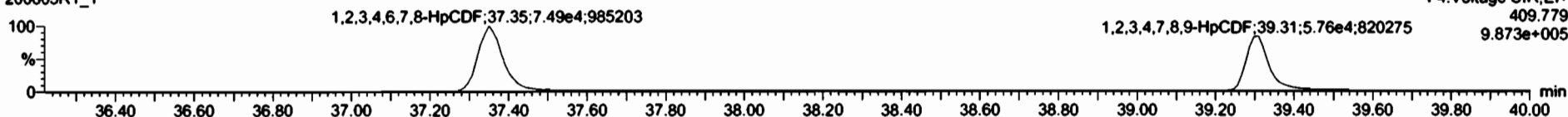
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200605R1_1



200605R1_1

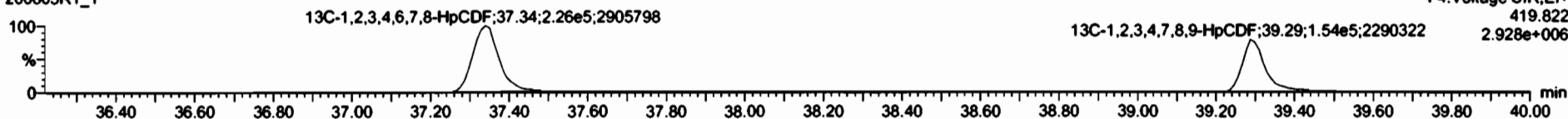


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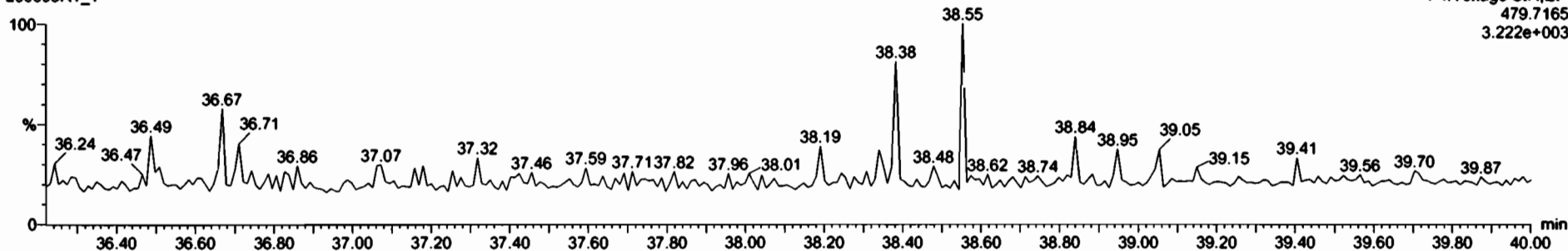


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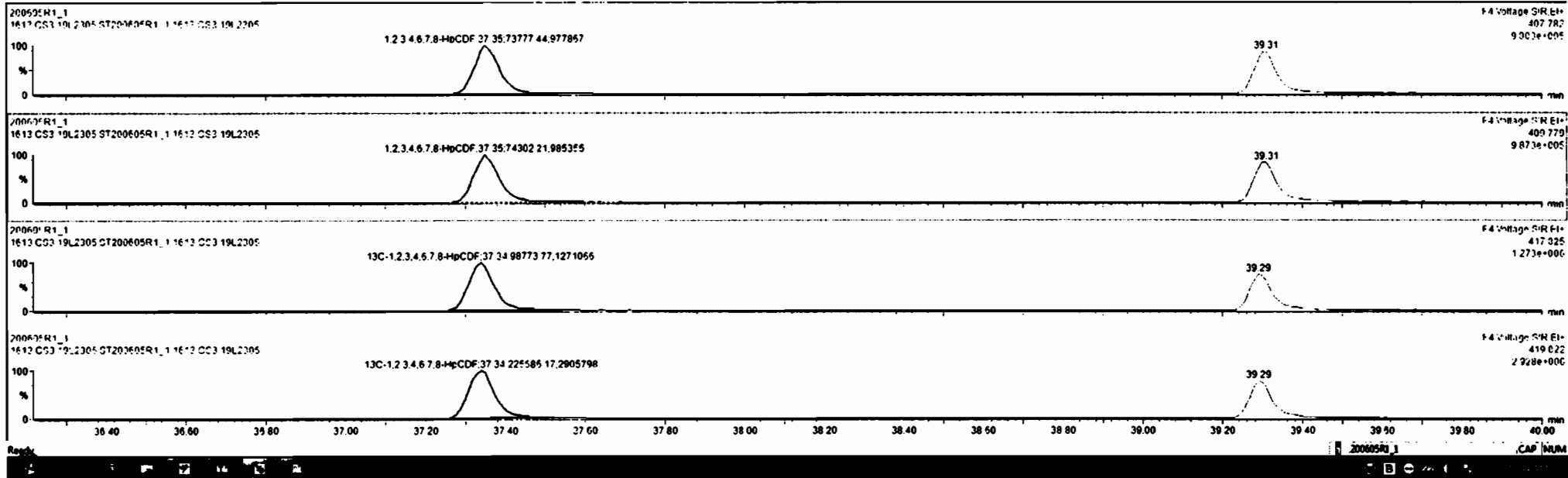


DPE4

200605R1_1



#	Q	Name	Rate	IS Resp	Pred RA	RA	n/y	RRP	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	1	2,3,7,8-TCDD	5.69e4	7.69e5	0.77	0.80	NO	0.8883	26.52	26.51	HO	1.001	1.001	91.5	91.5	HO
2	2	1,2,3,7,8-PeCDD	2.02e5	4.69e5	0.63	0.63	NO	0.9881	31.47	31.47	HO	1.001	1.000	47.5	95.6	HO
3	3	1,2,3,4,7,8-HxCDD	1.59e5	3.24e5	1.24	1.26	NO	1.0334	34.84	34.84	HO	1.000	1.000	47.5	95.2	HO
4	4	1,2,3,6,7,8-HxCDD	1.81e5	4.19e5	1.24	1.22	NO	0.8823	34.92	34.94	HO	1.000	1.001	48.5	96.9	HO
5	5	1,2,3,7,8,9-HxCDD	1.59e5	3.84e5	1.24	1.22	NO	0.8889	35.22	35.22	HO	1.000	1.000	48.4	96.9	HO
6	6	1,2,3,4,6,7,8-HpCDD	1.18e5	2.67e5	1.04	1.02	NO	0.8639	36.76	36.77	HO	1.000	1.001	50.2	100	HO
7	7	OCDD	2.35e5	5.17e5	0.88	0.87	NO	0.9136	41.72	41.74	HO	1.000	1.001	99.5	99.5	HO
8	8	2,3,7,8-TCDF	6.65e4	6.97e5	0.77	0.74	NO	0.7510	25.63	25.61	HO	1.001	1.001	9.87	96.7	HO
9	9	1,2,3,7,8-PeCDF	3.07e5	7.29e5	1.55	1.56	NO	0.8925	30.19	30.18	HO	1.001	1.000	47.6	95.6	HO
10	10	2,3,4,7,8-PeCDF	3.07e5	6.77e5	1.55	1.54	NO	0.9348	31.18	31.16	HO	1.001	1.001	48.5	97.1	HO
11	11	1,2,3,4,7,8-HxCDF	1.91e5	4.27e5	1.24	1.20	NO	0.8845	33.95	33.96	HO	1.000	1.000	50.7	101	HO
12	12	1,2,3,6,7,8-HxCDF	2.22e5	4.92e5	1.24	1.20	NO	0.8692	34.06	34.06	HO	1.000	1.000	50.7	101	HO
13	13	2,3,4,6,7,8-HxCDF	2.00e5	4.34e5	1.24	1.22	NO	0.9341	34.69	34.67	HO	1.001	1.000	49.3	96.5	HO
14	14	1,2,3,7,8,9-HxCDF	1.53e5	3.48e5	1.24	1.22	NO	0.8707	35.57	35.59	HO	1.000	1.001	50.6	101	HO
15	15	1,2,3,4,6,7,8-HpCDF	1.48e5	3.34e5	1.04	0.99	NO	0.8734	37.36	37.36	HO	1.001	1.000	52.3	106	HO
16	16	1,2,3,4,7,8,9-HpCDF	1.14e5	2.17e5	1.04	0.96	NO	1.0128	39.29	39.31	HO	1.000	1.001	51.7	102	HO
17	17	OCDF	2.60e5	6.45e5	0.88	0.86	NO	0.8085	41.91	41.92	HO	1.000	1.000	99.8	99.8	HO
18	18	13C-2,3,7,8-TCDD	7.09e5	5.93e5	0.77	0.75	NO	1.1563	25.52	25.48	HO	1.025	1.025	102	102	HO
19	19	13C-1,2,3,7,8-PeCDD	4.69e5	5.93e5	0.63	0.64	NO	0.8490	31.71	31.45	HO	1.227	1.217	92.2	92.2	HO
20	20	13C-1,2,3,4,7,8-HxCDD	3.34e5	4.38e5	1.24	1.28	NO	0.7790	34.83	34.83	HO	1.014	1.014	94.8	94.8	HO
21	21	13C-1,2,3,6,7,8-HxCDD	4.19e5	4.38e5	1.24	1.27	NO	1.0167	34.94	34.92	HO	1.017	1.017	94.0	94.8	HO

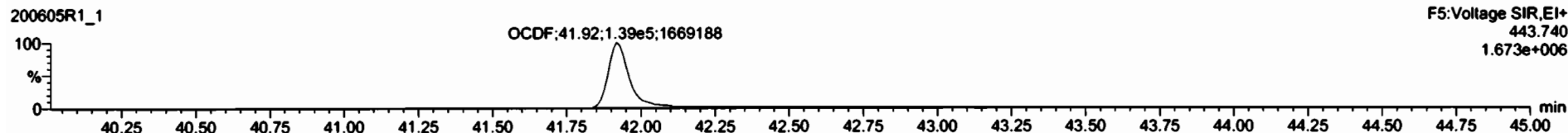


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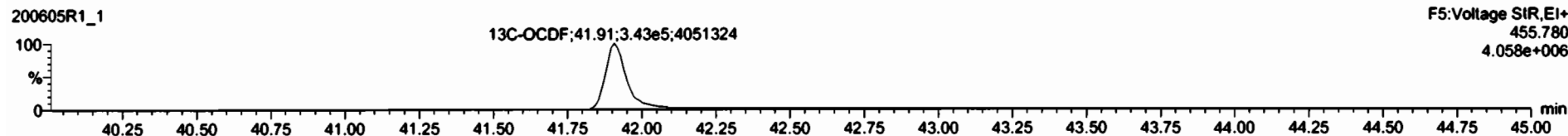
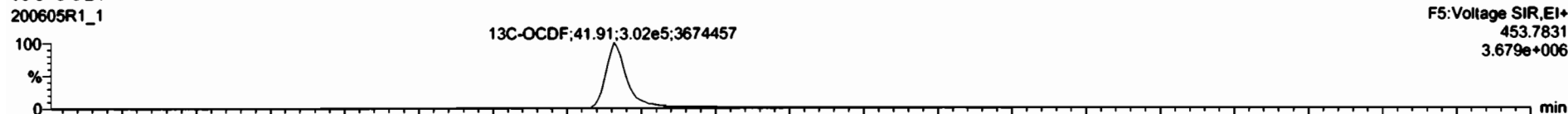
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Printed: Friday, June 05, 2020 10:41:21 Pacific Daylight Time

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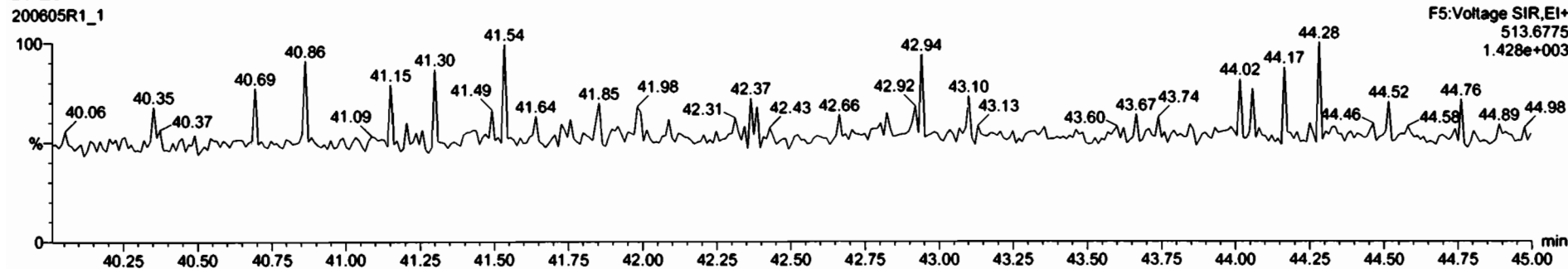
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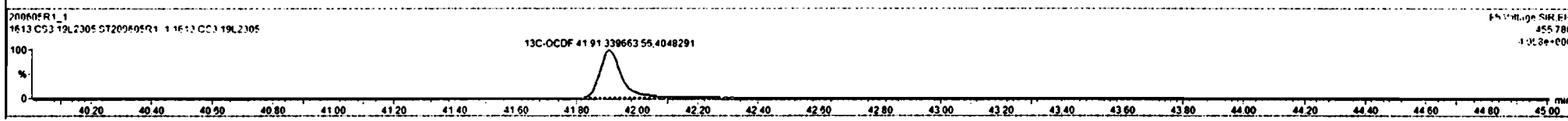
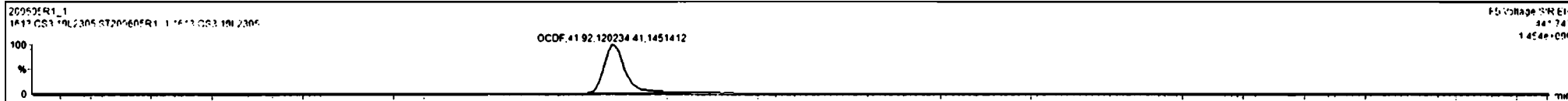
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DPE5



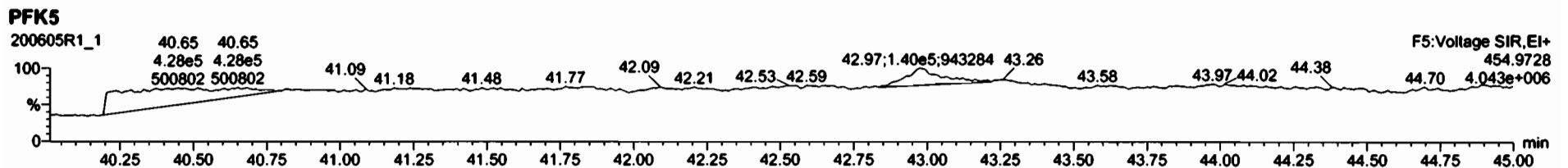
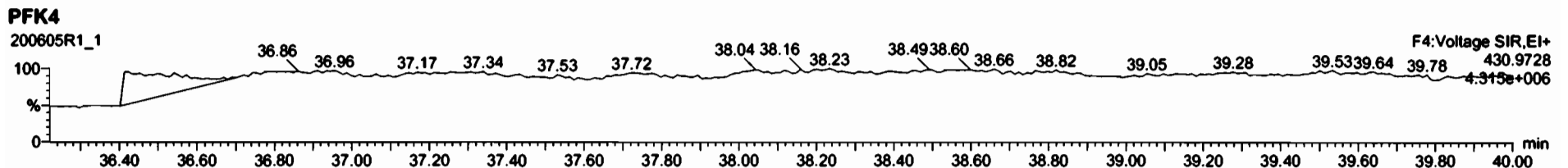
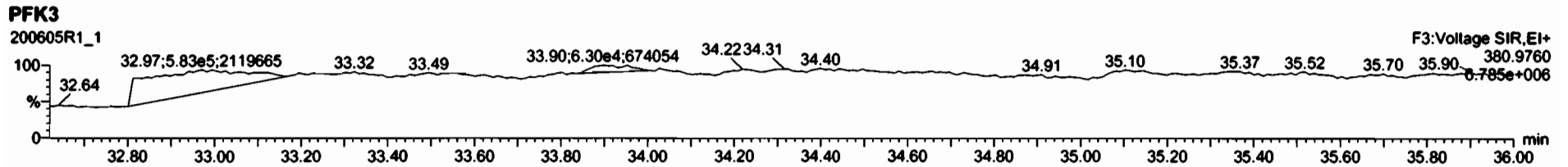
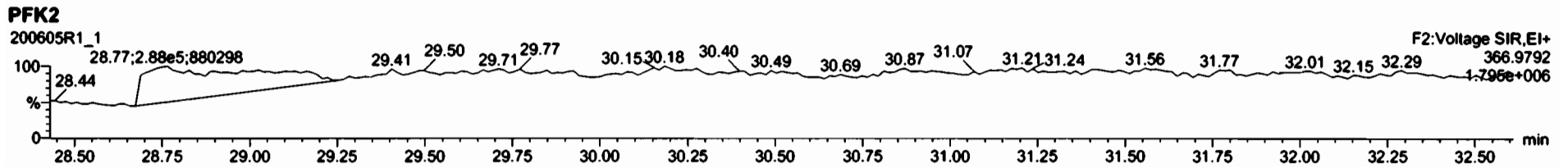
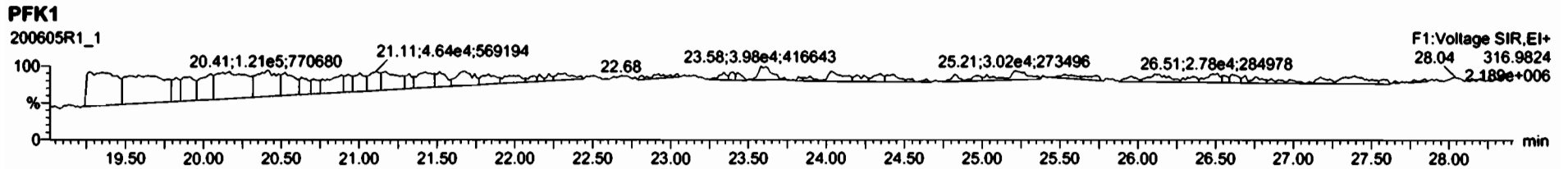
#	Name	Resp	IS Resp	Pred RA	RA	dy	ISF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	5.09e4	7.00e5	0.77	0.80	NO	0.8883	26.52	26.51	NO	1.001	1.001	9.15	91.5	NO
2	1,2,3,7,8-PeCDD	2.02e5	4.69e5	0.63	0.63	NO	0.8881	31.47	31.47	NO	1.001	1.000	47.5	95.8	NO
3	1,2,3,4,7,8-HxCDD	1.59e5	3.24e5	1.24	1.26	NO	1.0334	34.84	34.84	NO	1.000	1.000	47.5	95.2	NO
4	1,2,3,6,7,8-HxCDD	1.81e5	4.19e5	1.24	1.22	NO	0.8923	34.92	34.94	NO	1.000	1.001	48.5	95.9	NO
5	1,2,3,7,8,9-HxCDD	1.56e5	3.84e5	1.24	1.22	NO	0.8889	35.22	35.22	NO	1.000	1.000	48.4	95.9	NO
6	1,2,3,4,6,7,8-HpCDD	1.18e5	2.67e5	1.84	1.82	NO	0.8839	38.78	38.77	NO	1.000	1.001	50.2	100	NO
7	OCDF	2.35e5	5.17e5	0.88	0.87	NO	0.9138	41.72	41.74	NO	1.000	1.001	98.5	99.5	NO
8	2,3,7,8-TCDF	6.85e4	8.97e5	0.77	0.74	NO	0.7510	25.63	25.61	NO	1.001	1.001	9.87	98.7	NO
9	1,2,3,7,8-PeCDF	3.07e5	7.20e5	1.55	1.58	NO	0.8925	30.19	30.18	NO	1.001	1.000	47.6	95.6	NO
10	1,2,3,4,7,8-HxCDF	3.07e5	6.77e5	1.55	1.54	NO	0.9348	31.18	31.16	NO	1.001	1.001	48.6	97.1	NO
11	1,2,3,4,7,8,9-HxCDF	1.91e5	4.27e5	1.24	1.20	NO	0.8845	33.95	33.96	NO	1.000	1.000	50.7	101	NO
12	1,2,3,6,7,8-HxCDF	2.22e5	4.92e5	1.24	1.20	NO	0.8892	34.08	34.08	NO	1.000	1.000	50.7	101	NO
13	1,2,3,4,6,7,8-HpCDF	2.90e5	4.34e5	1.24	1.22	NO	0.9341	34.69	34.67	NO	1.001	1.000	49.3	98.5	NO
14	1,2,3,7,8,9-HxCDF	1.53e5	3.48e5	1.24	1.22	NO	0.8707	35.57	35.59	NO	1.000	1.001	50.6	101	NO
15	1,2,3,4,6,7,8-HpCDF	1.48e5	3.24e5	1.84	0.88	NO	0.8734	37.38	37.35	NO	1.001	1.000	52.3	105	NO
16	1,2,3,4,7,8,9-HpCDF	1.14e5	2.17e5	1.84	0.88	NO	1.0128	39.29	39.31	NO	1.000	1.001	51.7	103	NO
17	OCDF	2.35e5	5.17e5	0.88	0.87	NO	0.8885	41.91	41.92	NO	1.000	1.000	98.7	99.7	NO
18	13C-2,3,7,8-TCDD	7.00e5	5.93e5	0.77	0.75	NO	1.1563	26.52	26.48	NO	1.025	1.025	102	102	NO
19	13C-1,2,3,7,8-PeCDD	4.69e5	5.93e5	0.63	0.64	NO	0.8490	31.71	31.45	NO	1.227	1.217	93.2	93.2	NO
20	13C-1,2,3,4,7,8-HxCDD	3.24e5	4.38e5	1.24	1.28	NO	0.7790	34.83	34.83	NO	1.014	1.014	94.8	94.8	NO
21	13C-1,2,3,6,7,8-HxCDD	4.19e5	4.38e5	1.24	1.27	NO	1.0187	34.94	34.92	NO	1.017	1.017	94.0	94.0	NO



Dataset: Untitled

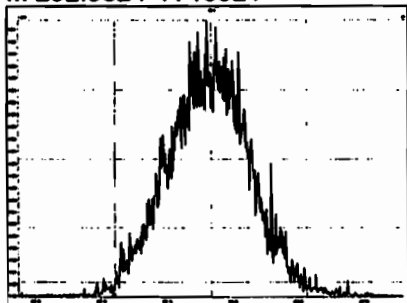
Last Altered: Friday, June 05, 2020 10:39:58 Pacific Daylight Time
Printed: Friday, June 05, 2020 10:41:21 Pacific Daylight Time

Name: 200605R1_1, Date: 05-Jun-2020, Time: 09:52:20, ID: ST200605R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

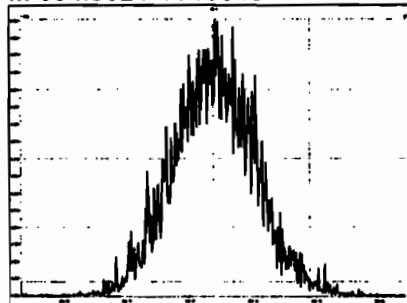


Printed: Friday, June 05, 2020 22:22:32 Pacific Daylight Time

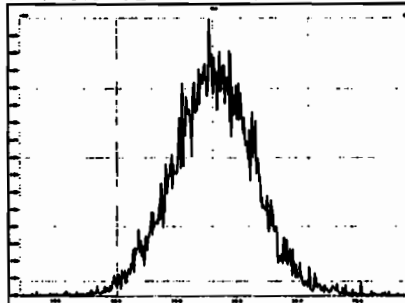
M 292.9824 R 10921



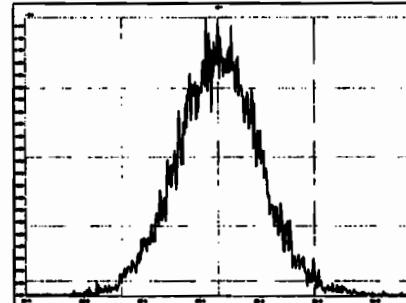
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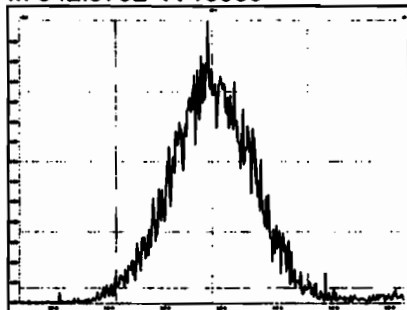
M 318.9792 R 10460



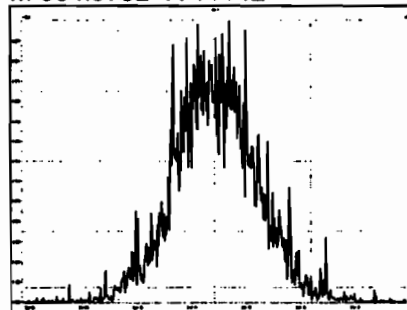
M 330.9792 R 10482



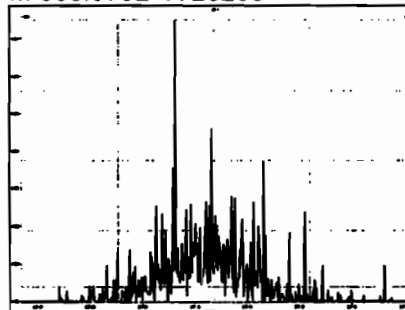
M 342.9792 R 10330



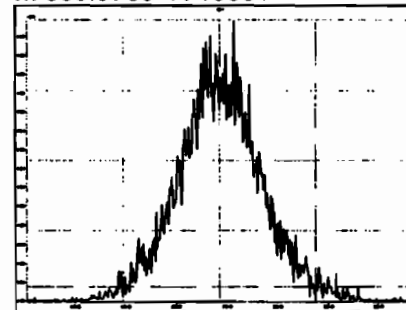
M 354.9792 R 11142



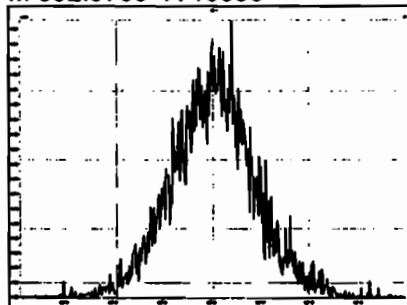
M 366.9792 R 25205



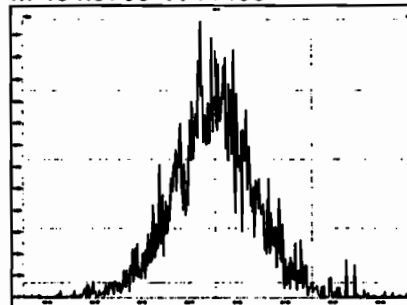
M 380.9760 R 10661



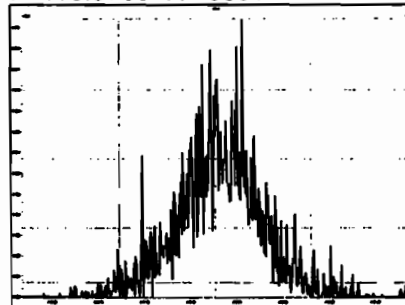
M 392.9760 R 10595



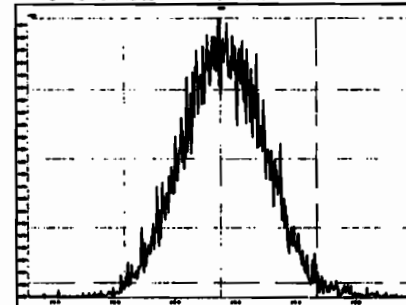
M 404.9760 R 11436



M 416.9760 R 13851

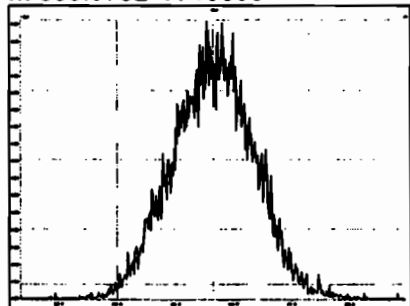


M 318.9792 R 10775

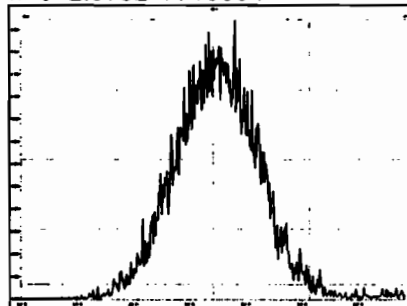


Printed: Friday, June 05, 2020 22:22:32 Pacific Daylight Time

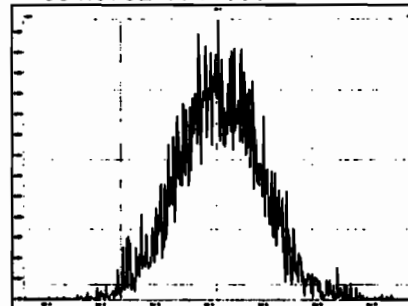
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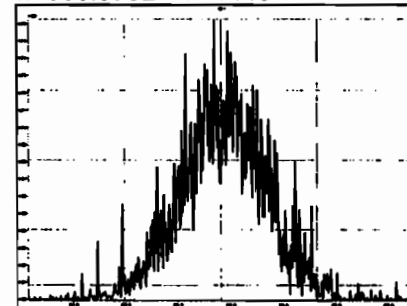
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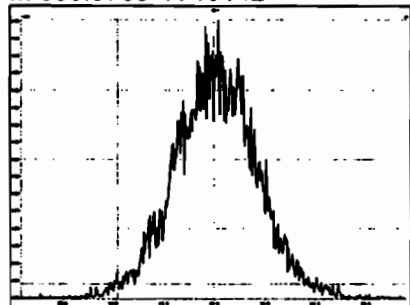
M 354.9792 R 11808



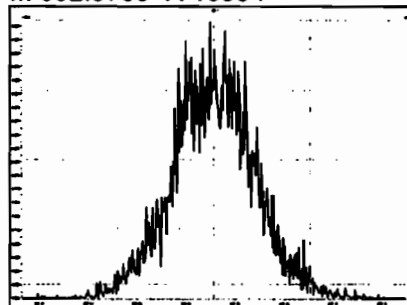
M 366.9792 R 11440



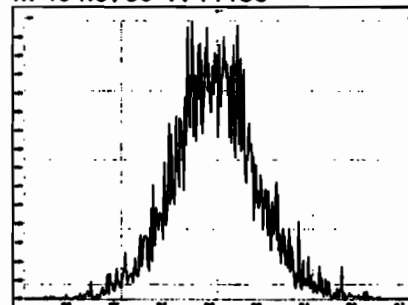
M 380.9760 R 10142



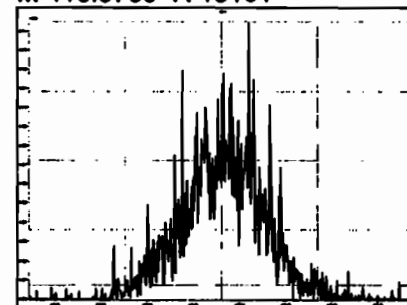
M 392.9760 R 10904



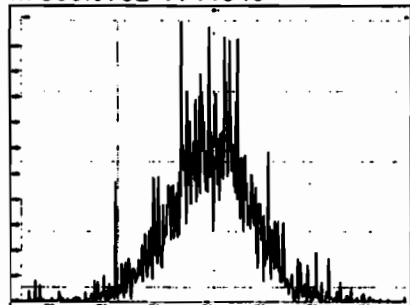
M 404.9760 R 11186



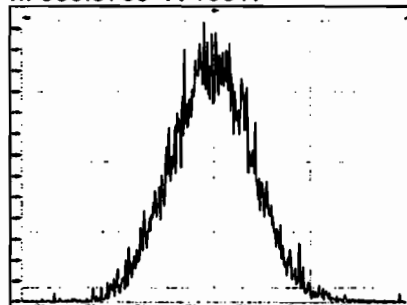
M 416.9760 R 13101



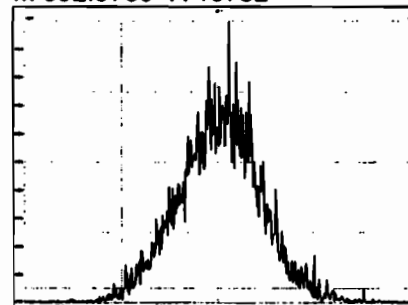
M 366.9792 R 11940



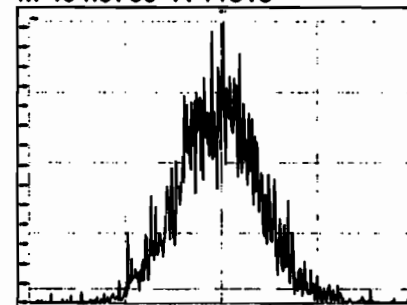
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M 392.9760 R 10782

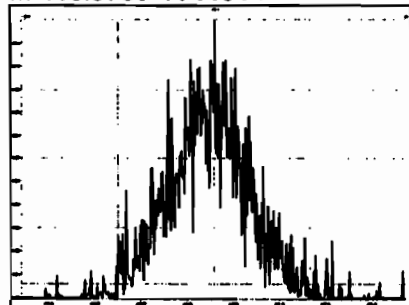


M 404.9760 R 11313

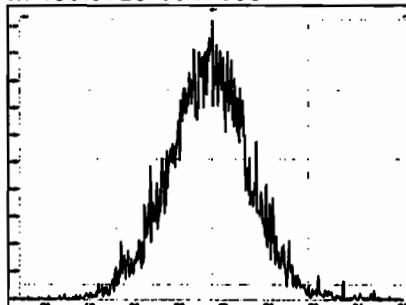


Printed: Friday, June 05, 2020 22:22:32 Pacific Daylight Time

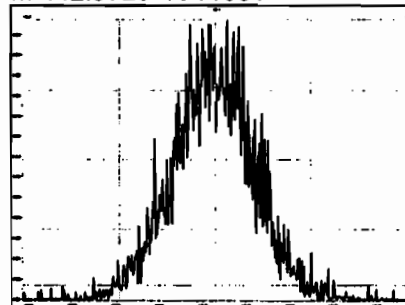
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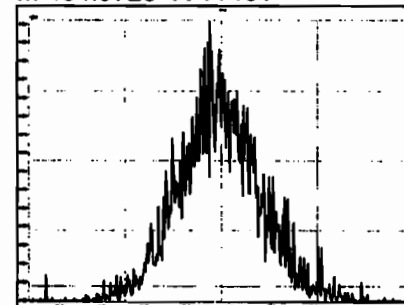
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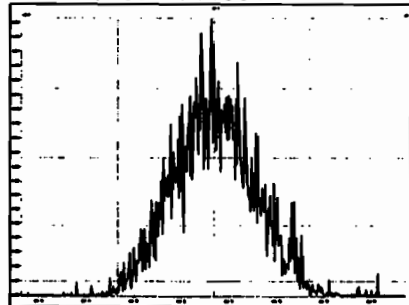
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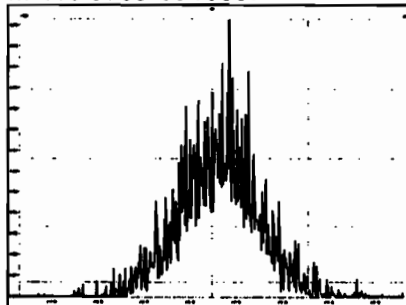
M 454.9728 R 11451



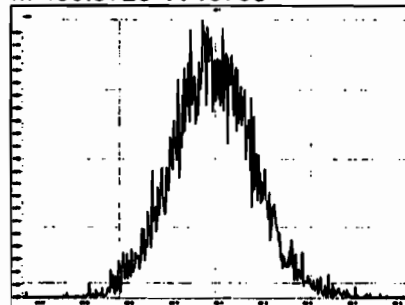
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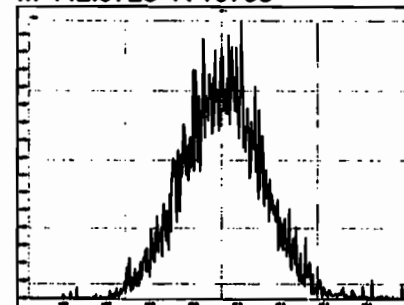
M 416.9760 R 13867



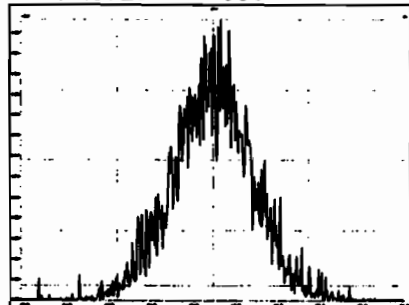
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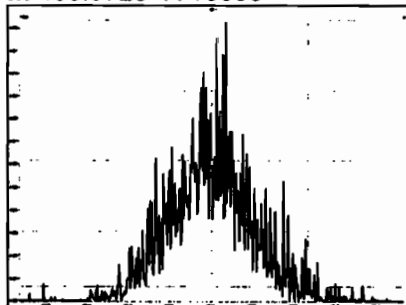
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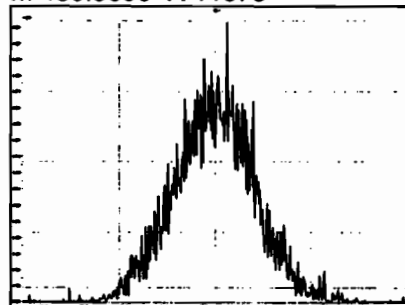
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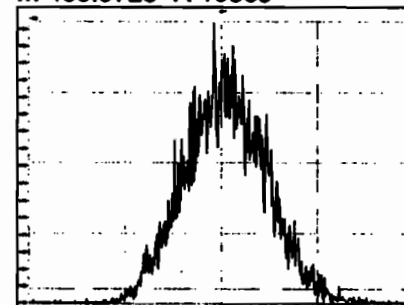
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M 480.9696 R 11573

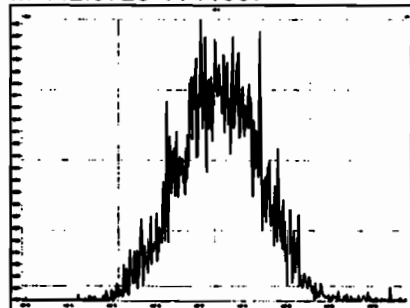


M 430.9728 R 10869

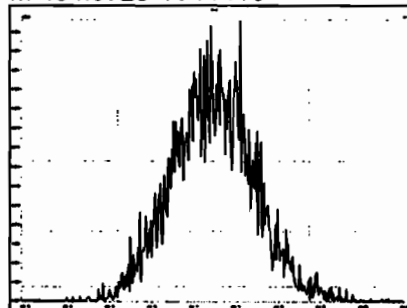


Printed: Friday, June 05, 2020 22:22:32 Pacific Daylight Time

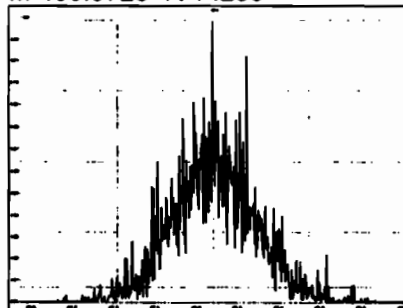
M 442.9728 R 11007



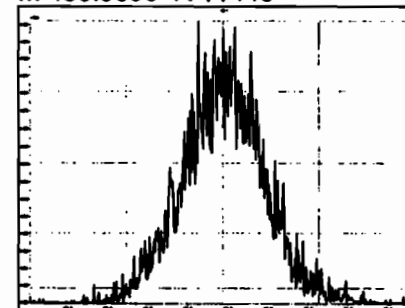
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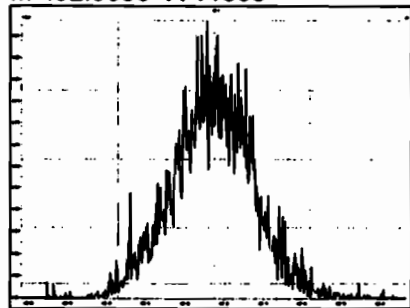
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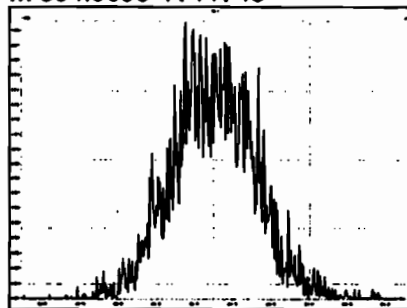
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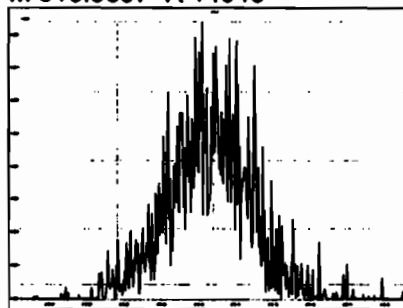
M 492.9696 R 11363



M 504.9696 R 11743



M 516.9697 R 14046



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200005R2-1

Reviewed By: C7 06/08/2020
Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>		<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA	Mass resolution \geq	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K		
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1614 1699 429 1613/1668/8280		
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GC Break <20%	<input type="checkbox"/> NA	
Verification Std. named correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>8280 CS1 End Standard:</u>		
(ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		<input type="checkbox"/> NA
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Comments:	<div style="height: 150px;"></div>	
Correct ICAL referenced?	<u>GRB</u>	<u> </u>			
<u>Run Log:</u>					
- Correct Instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/> ↓			
- Samples within 12 hour clock?	<input checked="" type="checkbox"/> (Y)	<input type="checkbox"/> N			
- Bottle position verified?	<u>GRB</u>	<u> </u>			

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-2.qld

Last Altered: Sunday, June 07, 2020 08:00:38 Pacific Daylight Time

Printed: Sunday, June 07, 2020 08:05:25 Pacific Daylight Time

GRB 06/07/2020

C106/08/2020

Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\cb5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200605R2_2, Date: 05-Jun-2020, Time: 23:08:50, ID: ST200605R2_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	7.30e4	8.31e5	0.75	NO	0.888	26.53	26.51	NO	1.001	1.001	9.8836	98.8	NO
2	2 1,2,3,7,8-PeCDD	2.63e5	6.06e5	0.62	NO	0.908	31.49	31.48	NO	1.001	1.000	47.742	95.5	NO
3	3 1,2,3,4,7,8-HxCDD	2.11e5	4.21e5	1.22	NO	1.03	34.85	34.85	NO	1.000	1.000	48.606	97.2	NO
4	4 1,2,3,6,7,8-HxCDD	2.33e5	5.33e5	1.22	NO	0.892	34.94	34.95	NO	1.000	1.000	48.973	97.9	NO
5	5 1,2,3,7,8,9-HxCDD	2.03e5	4.72e5	1.25	NO	0.887	35.23	35.24	NO	1.000	1.001	48.422	96.8	NO
6	6 1,2,3,4,6,7,8-HpCDD	1.50e5	3.60e5	1.02	NO	0.864	38.78	38.78	NO	1.000	1.000	48.349	96.7	NO
7	7 OCDD	3.13e5	6.82e5	0.86	NO	0.914	41.75	41.76	NO	1.000	1.000	100.58	101	NO
8	8 2,3,7,8-TCDF	7.70e4	1.07e6	0.74	NO	0.751	25.63	25.63	NO	1.001	1.001	9.5550	95.5	NO
9	9 1,2,3,7,8-PeCDF	3.87e5	8.91e5	1.57	NO	0.893	30.19	30.18	NO	1.001	1.000	48.709	97.4	NO
10	10 2,3,4,7,8-PeCDF	3.95e5	8.72e5	1.55	NO	0.935	31.19	31.18	NO	1.001	1.000	48.466	96.9	NO
11	11 1,2,3,4,7,8-HxCDF	2.48e5	5.45e5	1.19	NO	0.884	33.96	33.97	NO	1.000	1.000	51.522	103	NO
12	12 1,2,3,6,7,8-HxCDF	2.85e5	6.24e5	1.16	NO	0.889	34.09	34.10	NO	1.000	1.001	51.337	103	NO
13	13 2,3,4,6,7,8-HxCDF	2.63e5	5.68e5	1.21	NO	0.934	34.70	34.69	NO	1.001	1.001	49.481	99.0	NO
14	14 1,2,3,7,8,9-HxCDF	1.99e5	4.50e5	1.22	NO	0.871	35.59	35.60	NO	1.000	1.000	50.878	102	NO
15	15 1,2,3,4,6,7,8-HpCDF	1.85e5	4.15e5	0.99	NO	0.873	37.40	37.37	NO	1.001	1.000	51.032	102	NO
16	16 1,2,3,4,7,8,9-HpCDF	1.40e5	2.67e5	0.98	NO	1.01	39.32	39.33	NO	1.000	1.000	51.680	103	NO
17	17 OCDF	3.07e5	7.53e5	0.84	NO	0.806	41.95	41.96	NO	1.000	1.000	101.23	101	NO
18	18 13C-2,3,7,8-TCDD	8.31e5	7.05e5	0.78	NO	1.16	26.52	26.50	NO	1.026	1.026	101.88	102	NO
19	19 13C-1,2,3,7,8-PeCDD	6.06e5	7.05e5	0.63	NO	0.849	31.71	31.47	NO	1.227	1.218	101.13	101	NO
20	20 13C-1,2,3,4,7,8-HxCDD	4.21e5	5.48e5	1.29	NO	0.779	34.84	34.84	NO	1.014	1.014	98.434	98.4	NO
21	21 13C-1,2,3,6,7,8-HxCDD	5.33e5	5.48e5	1.27	NO	1.02	34.95	34.94	NO	1.017	1.017	95.656	95.7	NO
22	22 13C-1,2,3,7,8,9-HxCDD	4.72e5	5.48e5	1.26	NO	0.903	35.23	35.22	NO	1.025	1.025	95.298	95.3	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	3.60e5	5.48e5	1.03	NO	0.689	38.75	38.77	NO	1.128	1.128	95.301	95.3	NO
24	24 13C-OCDD	6.82e5	5.48e5	0.88	NO	0.652	41.77	41.75	NO	1.216	1.215	190.64	95.3	NO
25	25 13C-2,3,7,8-TCDF	1.07e6	1.00e6	0.78	NO	1.06	25.56	25.60	NO	0.989	0.991	101.35	101	NO
26	26 13C-1,2,3,7,8-PeCDF	8.91e5	1.00e6	1.59	NO	0.838	30.09	30.17	NO	1.165	1.168	106.32	106	NO
27	27 13C-2,3,4,7,8-PeCDF	8.72e5	1.00e6	1.58	NO	0.817	31.05	31.16	NO	1.202	1.206	106.70	107	NO
28	28 13C-1,2,3,4,7,8-HxCDF	5.45e5	5.48e5	0.50	NO	1.01	33.97	33.96	NO	0.989	0.988	98.624	98.6	NO
29	29 13C-1,2,3,6,7,8-HxCDF	6.24e5	5.48e5	0.50	NO	1.17	34.10	34.08	NO	0.992	0.992	97.551	97.6	NO
30	30 13C-2,3,4,6,7,8-HxCDF	5.68e5	5.48e5	0.52	NO	1.02	34.67	34.67	NO	1.009	1.009	101.36	101	NO
31	31 13C-1,2,3,7,8,9-HxCDF	4.50e5	5.48e5	0.50	NO	0.860	35.57	35.59	NO	1.035	1.036	95.462	95.5	NO

Dataset: U:\VG12.PRO\Results\200605R2\200605R2-2.qld

Last Altered: Sunday, June 07, 2020 08:00:38 Pacific Daylight Time

Printed: Sunday, June 07, 2020 08:05:25 Pacific Daylight Time

EO, ID: ST200605R2_2, Date: 05 June 2020, Time: 23:08:50, ID: ST200605R2_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	4.15e5	5.48e5	0.43	NO	0.774	37.32	37.36	NO	1.086	1.087	97.768	97.8	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.67e5	5.48e5	0.44	NO	0.521	39.35	39.32	NO	1.145	1.145	93.514	93.5	NO
34	34 13C-OCDF	7.53e5	5.48e5	0.82	NO	0.746	41.95	41.95	NO	1.221	1.221	184.09	92.0	NO
35	35 37Cl-2,3,7,8-TCDD	7.85e4	7.05e5			1.04	26.55	26.51	NO	1.028	1.026	10.736	107	NO
36	36 13C-1,2,3,4-TCDD	7.05e5	7.05e5	0.80	NO	1.00	25.89	25.84	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	1.00e6	1.00e6	0.77	NO	1.00	24.36	24.16	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	5.48e5	5.48e5	0.50	NO	1.00	34.42	34.36	NO	1.000	1.000	100.00	100	YES <i>OK</i>

Dataset: Untitled

Last Altered: Sunday, June 07, 2020 08:02:01 Pacific Daylight Time

Printed: Sunday, June 07, 2020 08:02:26 Pacific Daylight Time

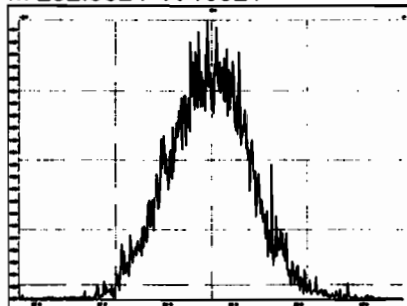
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Compound name: 2,3,7,8-TCDD

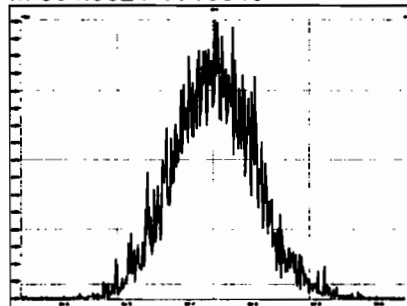
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200605R2_4	2000995-12 PDI-1072SC-B-02-04-200430 16.14	06-Jun-20	00:41:18
200605R2_5	2000999-01 PDI-065SC-A-02-03-200429 16.92	06-Jun-20	01:27:31
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200605R2_7	2000999-03 PDI-065SC-A-04-05-200429 15.55	06-Jun-20	03:00:00
200605R2_8	2000999-04 PDI-065SC-A-05-06-200429 15.25	06-Jun-20	03:46:13
200605R2_9	2000999-05 PDI-065SC-A-06-07-200429 15.41	06-Jun-20	04:32:27
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200605R2_11	2000999-07 PDI-065SC-A-08-09-200429 15.1	06-Jun-20	06:04:56
200605R2_12	2000999-08 PDI-065SC-B-00-02-200429 14.96	06-Jun-20	06:51:09
200605R2_13	2000999-09 PDI-065SC-B-02-05-200429 15.9	06-Jun-20	07:37:23
200605R2_14	BOE0100-DUP3 Duplicate 15.92	06-Jun-20	08:23:37
200605R2_15	2000999-10 PDI-065SC-B-05-07-200429 14.99	06-Jun-20	09:09:51
200605R2_16	2000999-11 PDI-1065SC-B-00-02-200429 14.61	06-Jun-20	09:56:06
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Printed: Friday, June 05, 2020 22:22:32 Pacific Daylight Time

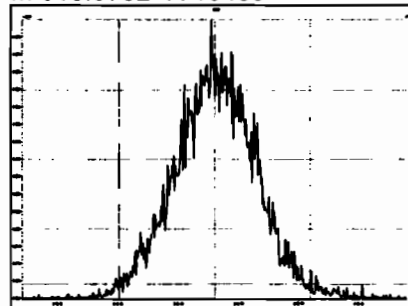
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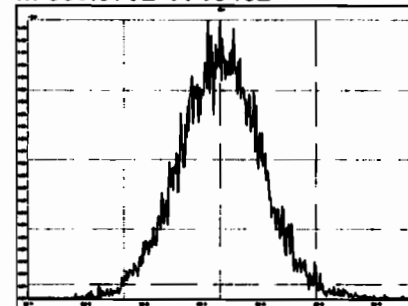
M 304.9824 R 10846



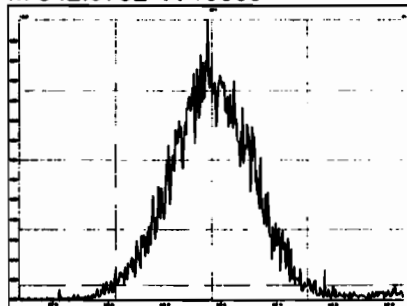
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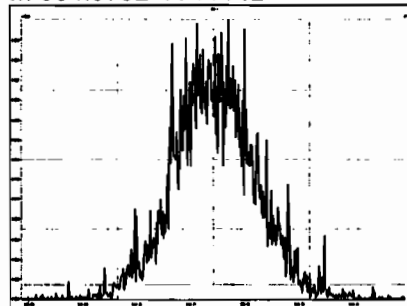
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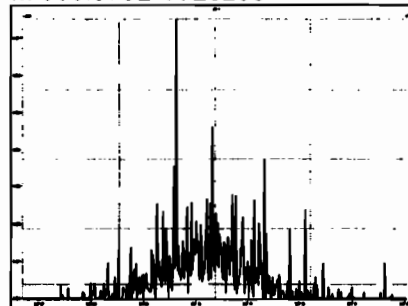
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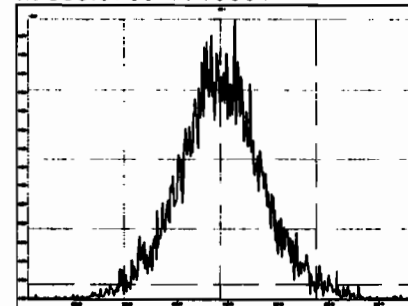
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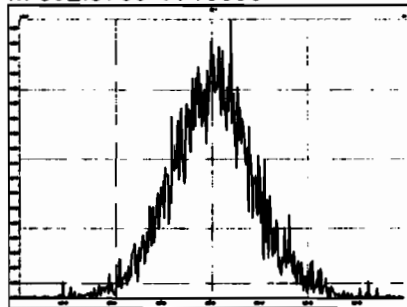
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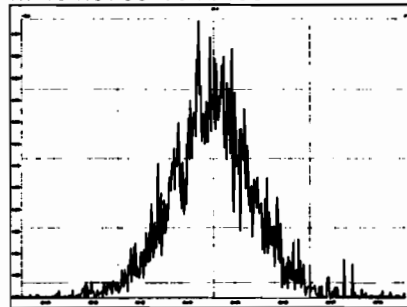
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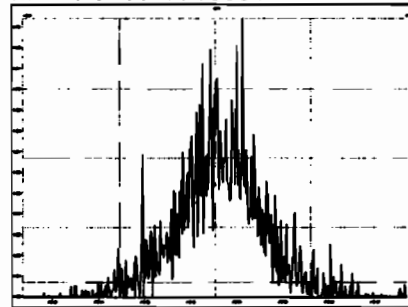
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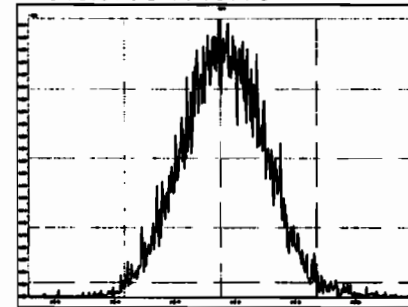
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M 416.9760 R 13851

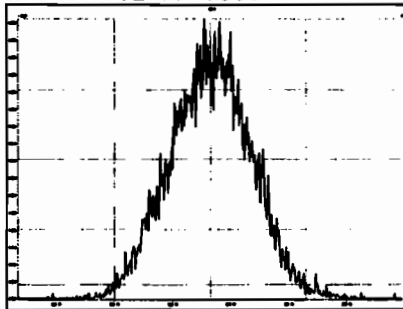


M 318.9792 R 10775

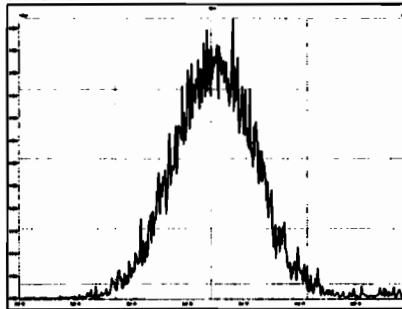


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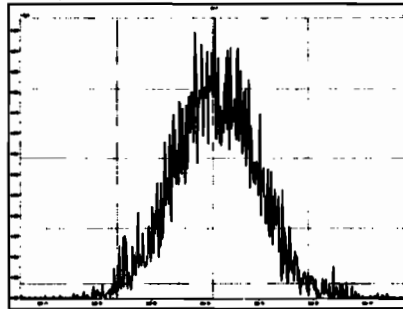
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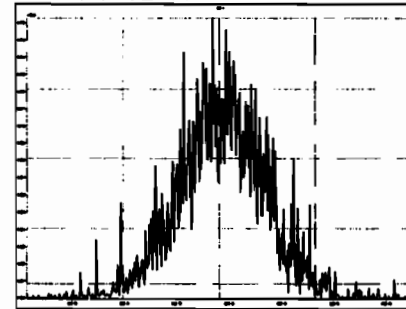
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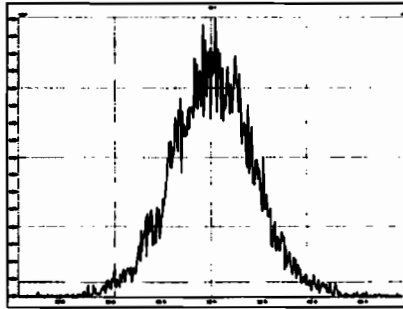
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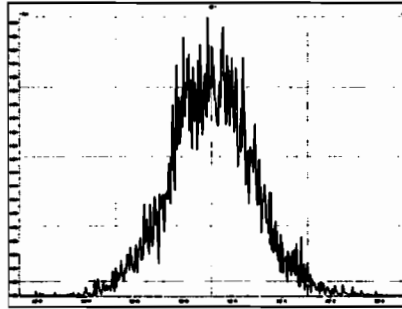
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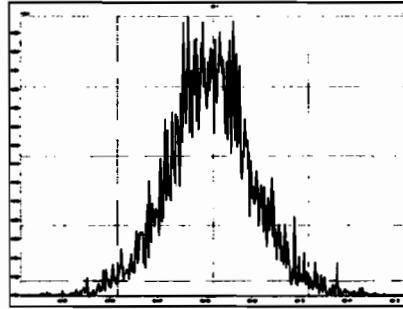
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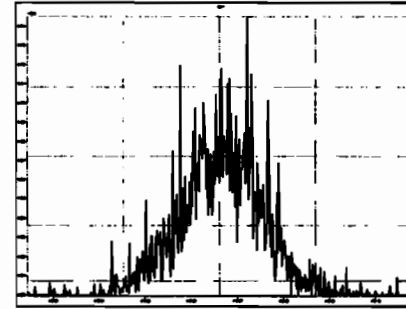
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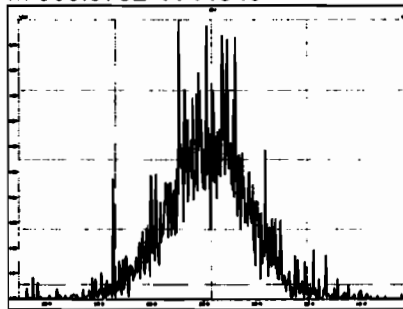
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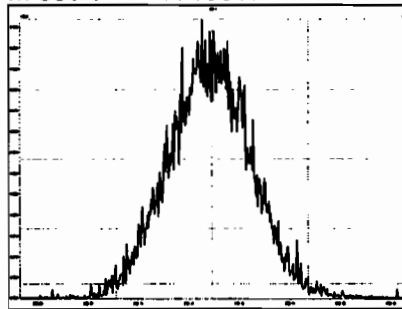
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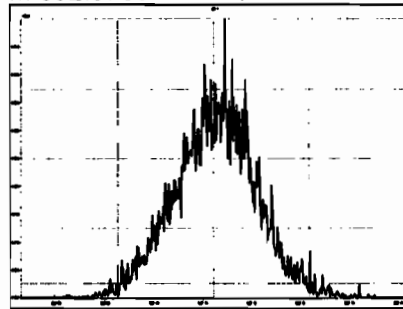
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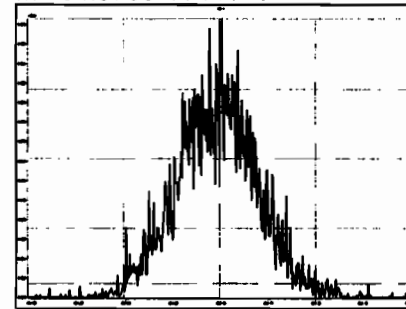
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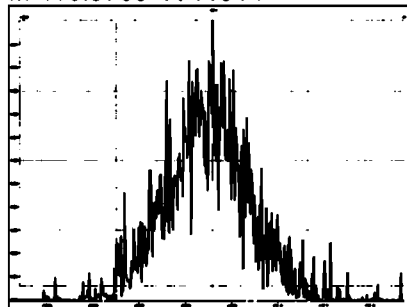


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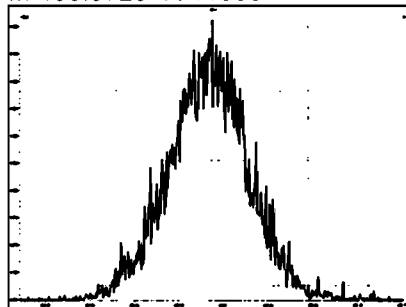


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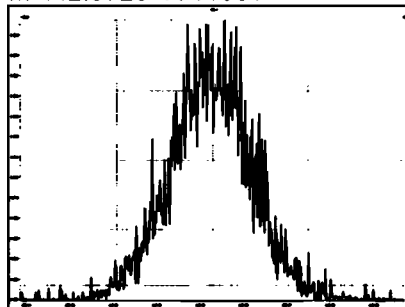
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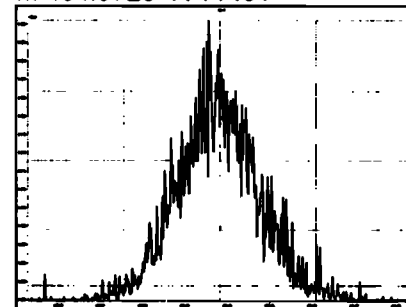
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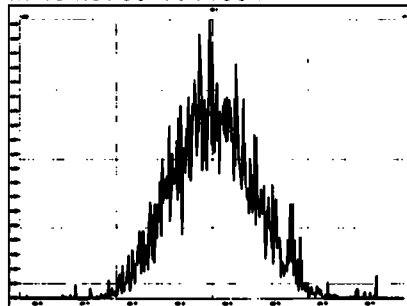
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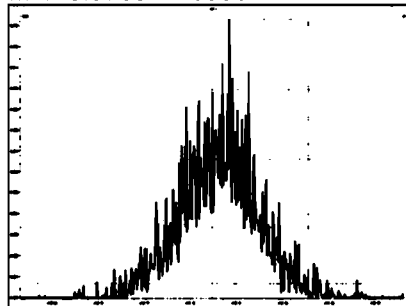
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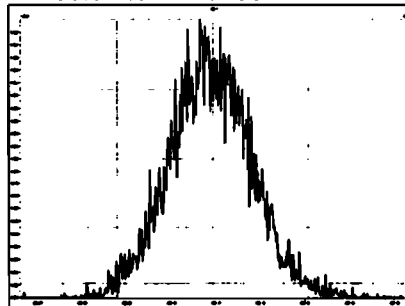
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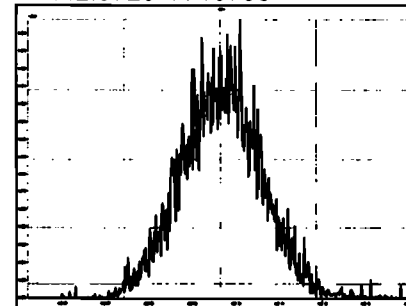
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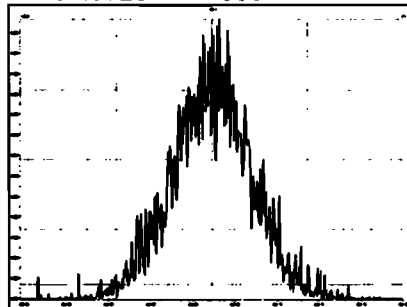
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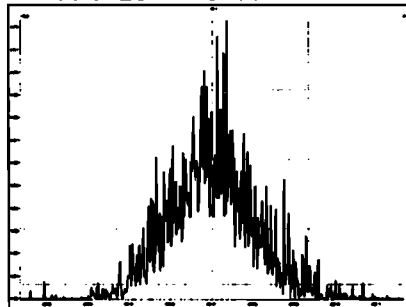
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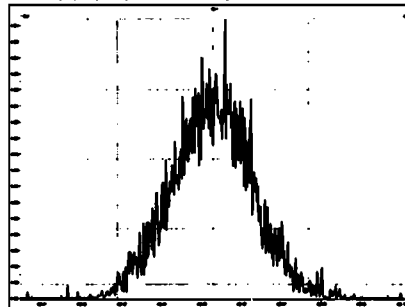
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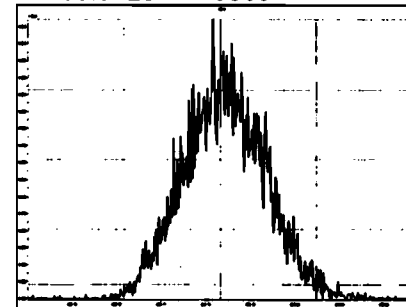
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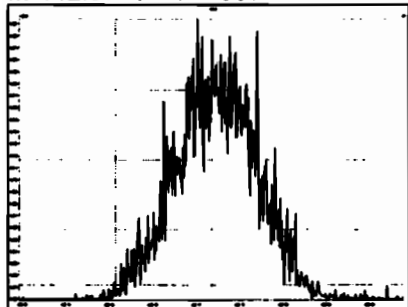


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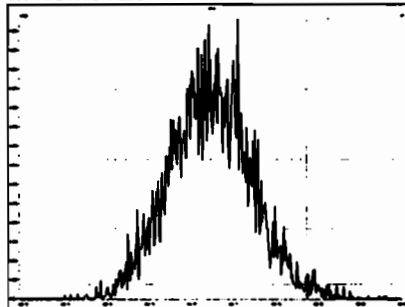


Printed: Friday, June 05, 2020 22:22:32 Pacific Daylight Time

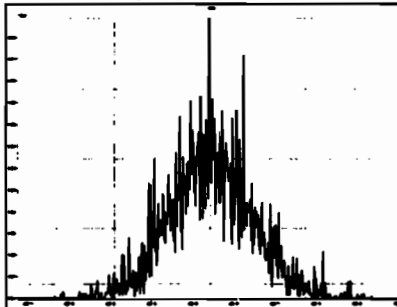
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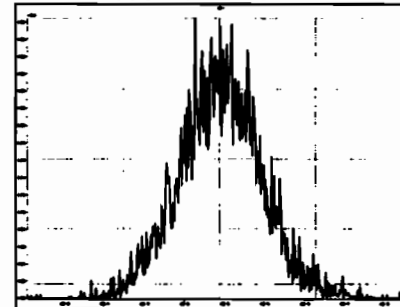
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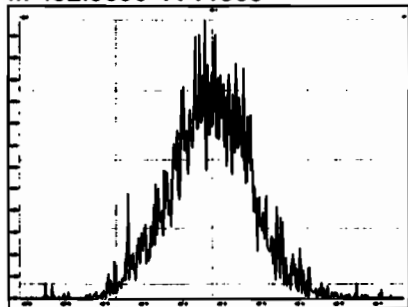
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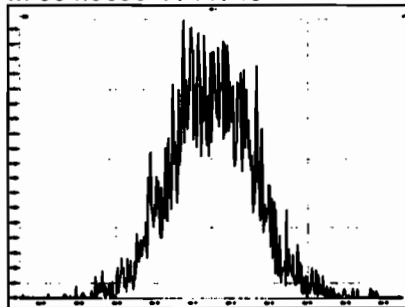
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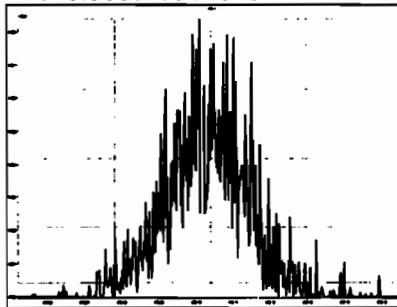
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M 504.9696 R 11743



M 516.9697 R 14046



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Last Altered: Sunday, June 07, 2020 08:01:05 Pacific Daylight Time

Printed: Sunday, June 07, 2020 08:01:26 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

Name: 200605R2_2, Date: 05-Jun-2020, Time: 23:08:50, ID: ST200605R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	RT
1 1,3,6,8-TCDD (First)	22.49
2 1,2,8,9-TCDD (Last)	27.47
3 1,2,4,7,9-PeCDD (First)	29.25
4 1,2,3,8,9-PeCDD (Last)	31.86
5 1,2,4,6,7,9-HxCDD (First)	33.34
6 1,2,3,7,8,9-HxCDD (Last)	35.24
7 1,2,3,4,6,7,9-HpCDD (First)	37.76
8 1,2,3,4,6,7,8-HpCDD (Last)	38.78
9 1,3,6,8-TCDF (First)	20.36
10 1,2,8,9-TCDF (Last)	27.62
11 1,3,4,6,8-PeCDF (First)	27.58
12 1,2,3,8,9-PeCDF (Last)	32.11
13 1,2,3,4,6,8-HxCDF (First)	32.79
14 1,2,3,7,8,9-HxCDF (Last)	35.60
15 1,2,3,4,6,7,8-HpCDF (First)	37.37
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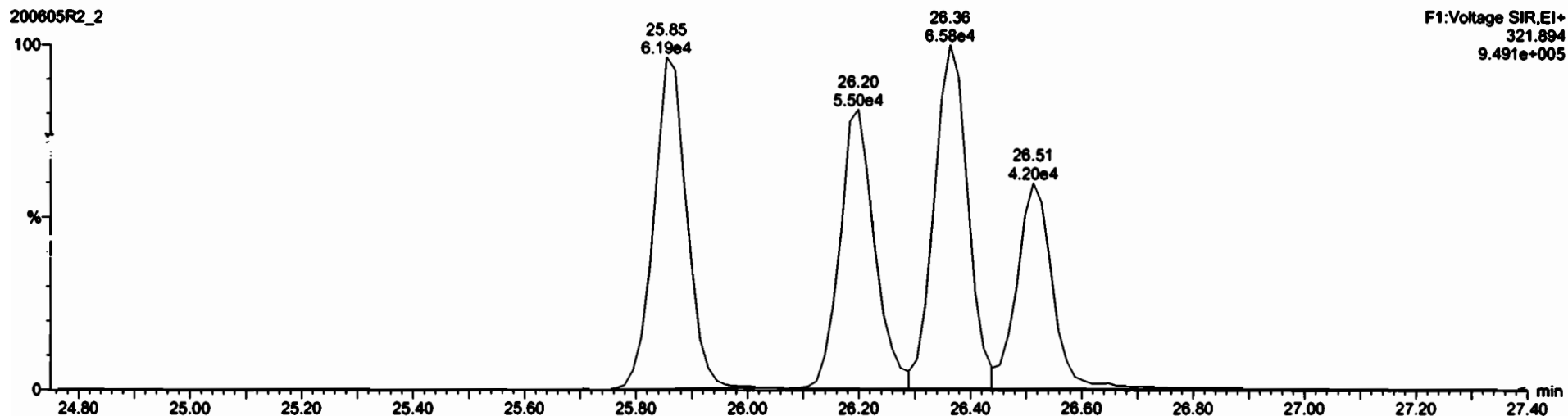
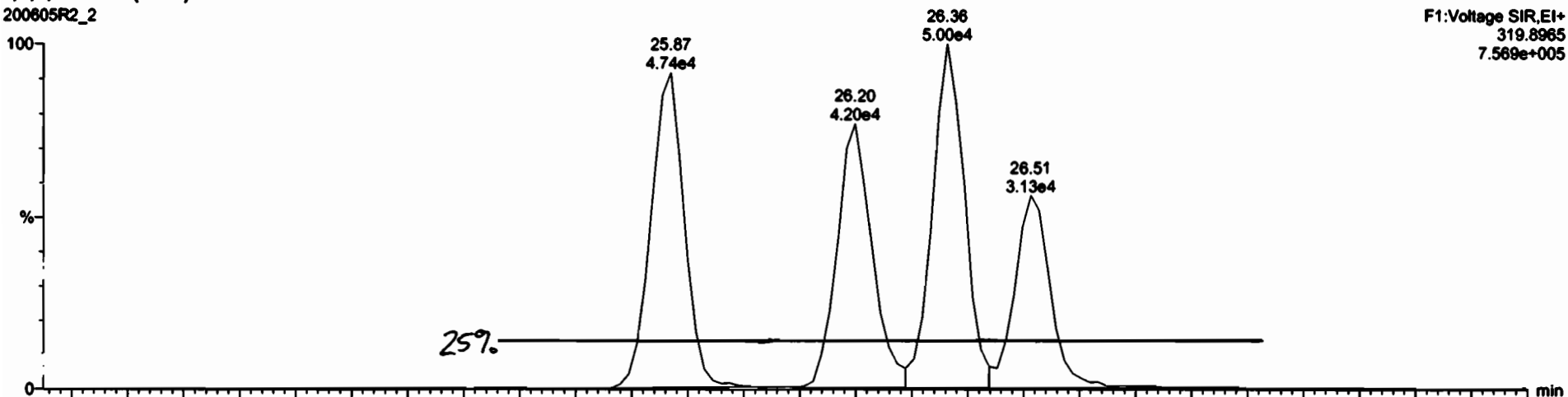
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QRB 06/07/2020

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

Name: 200605R2_2, Date: 05-Jun-2020, Time: 23:08:50, ID: ST200605R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,3,6,8-TCDD (First)
200605R2_2



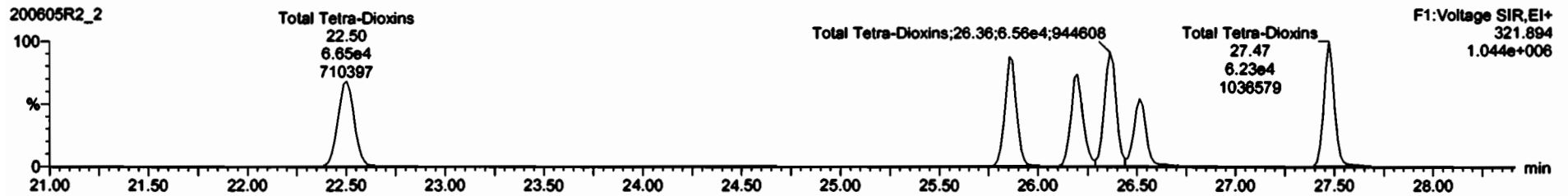
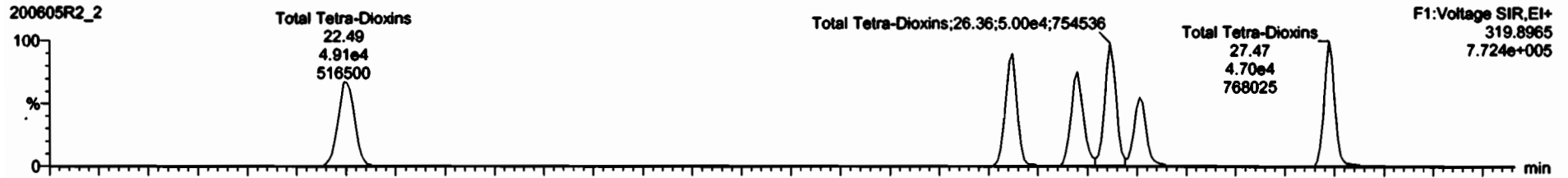
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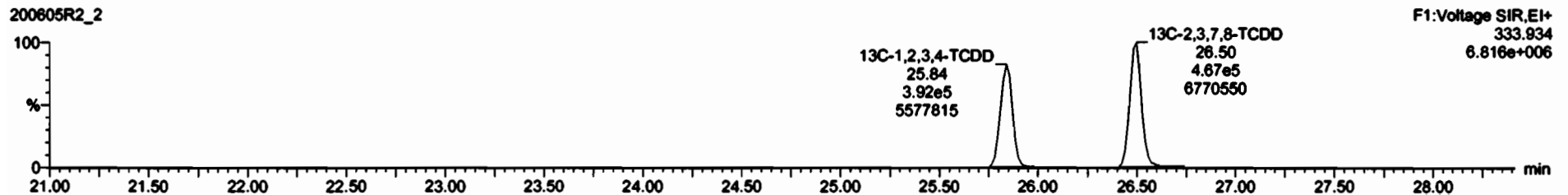
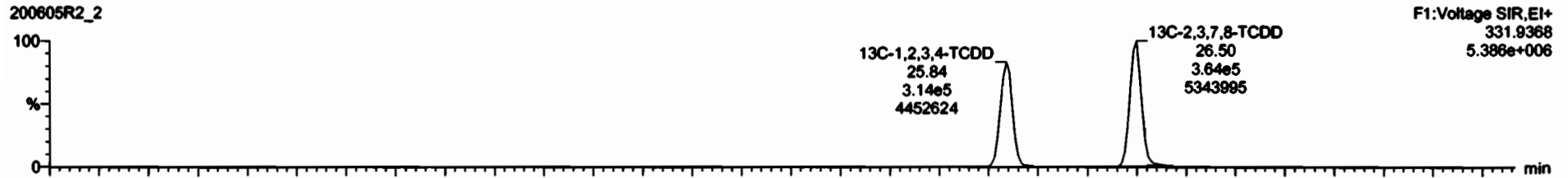
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Name: 200605R2_2, Date: 05-Jun-2020, Time: 23:08:50, ID: ST200605R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDD



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



Dataset: Untitled

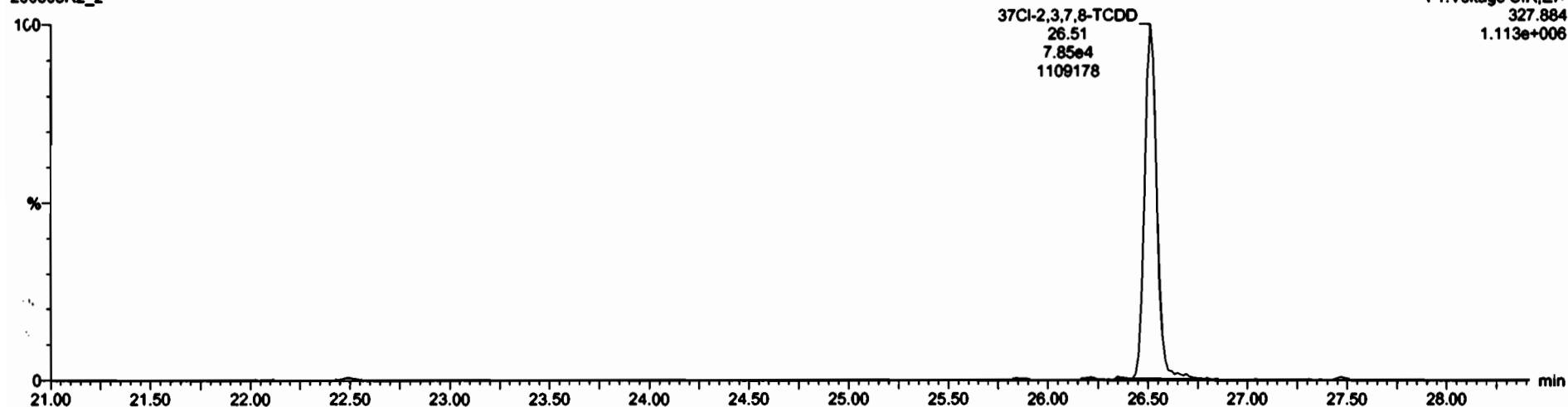
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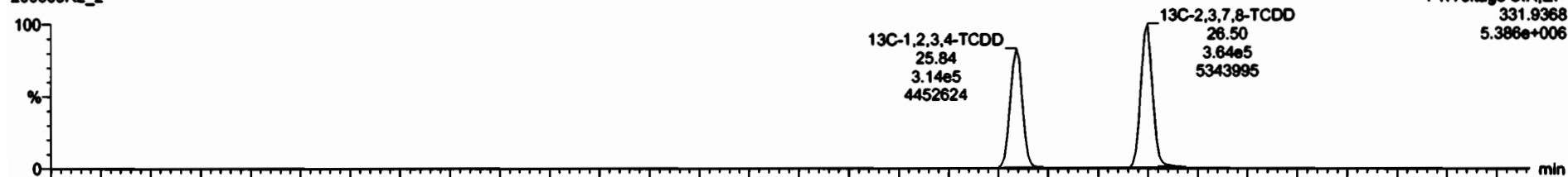
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200605R2_2

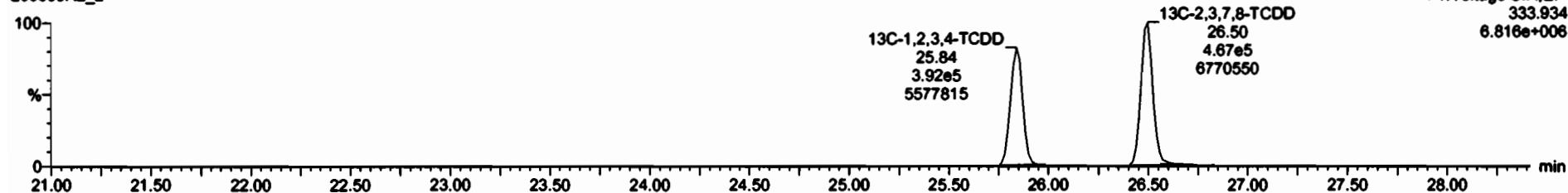


13C-1,2,3,4-TCDD

200605R2_2



200605R2_2



Dataset: Untitled

Last Altered: Sunday, June 07, 2020 07:59:02 Pacific Daylight Time

Printed: Sunday, June 07, 2020 07:59:18 Pacific Daylight Time

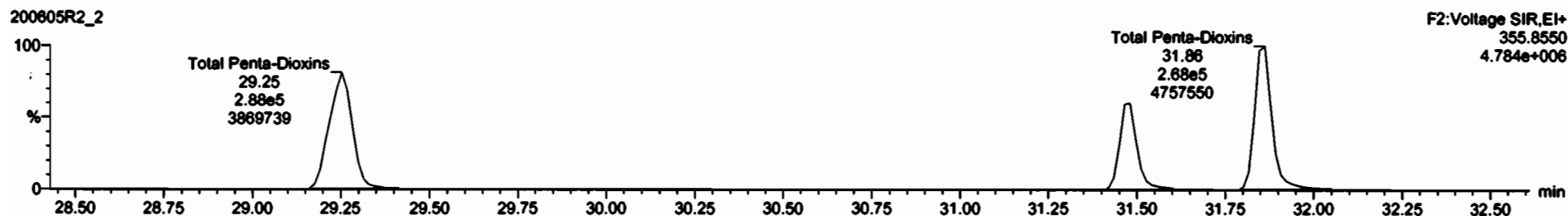
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1,2,3,7,8-PeCDD

200605R2_2

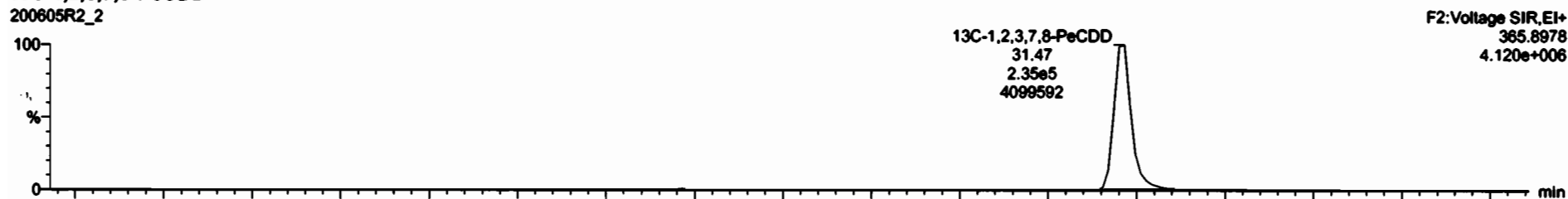


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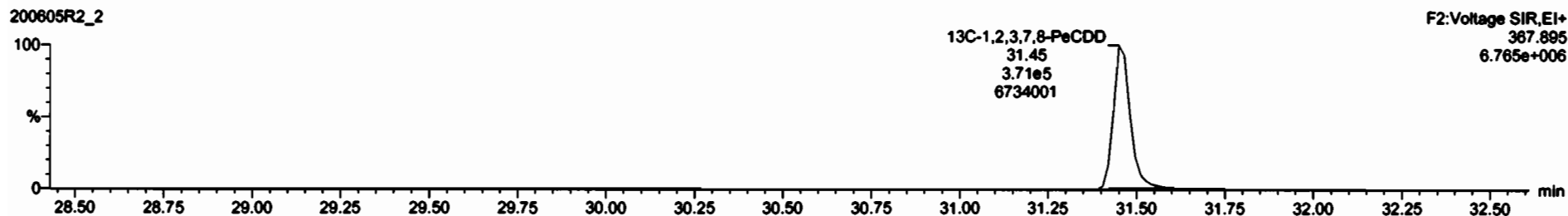


13C-1,2,3,7,8-PeCDD

200605R2_2



200605R2_2



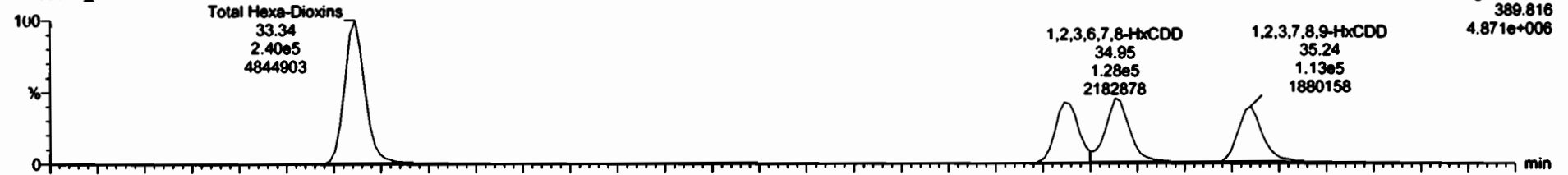
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Printed: Sunday, June 07, 2020 07:59:18 Pacific Daylight Time

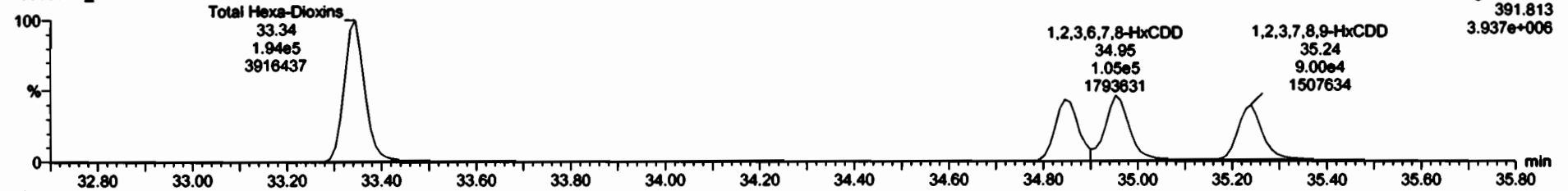
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1,2,3,4,7,8-HxCDD

200605R2_2

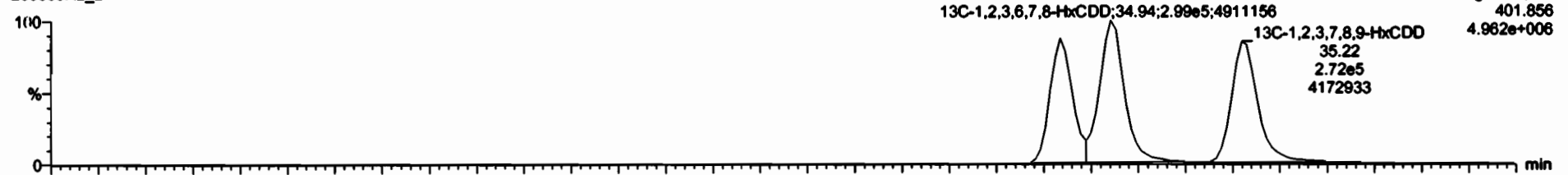


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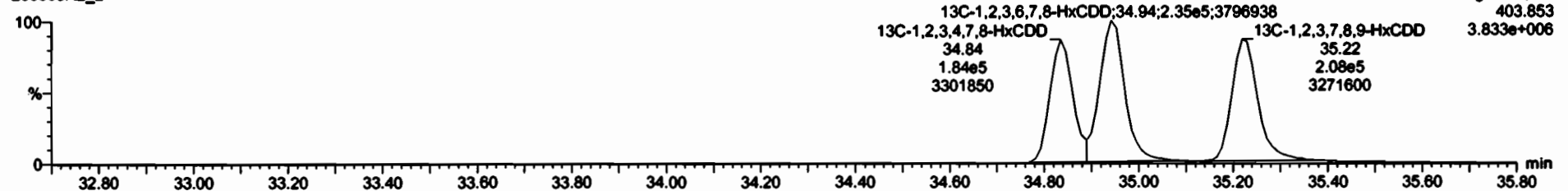


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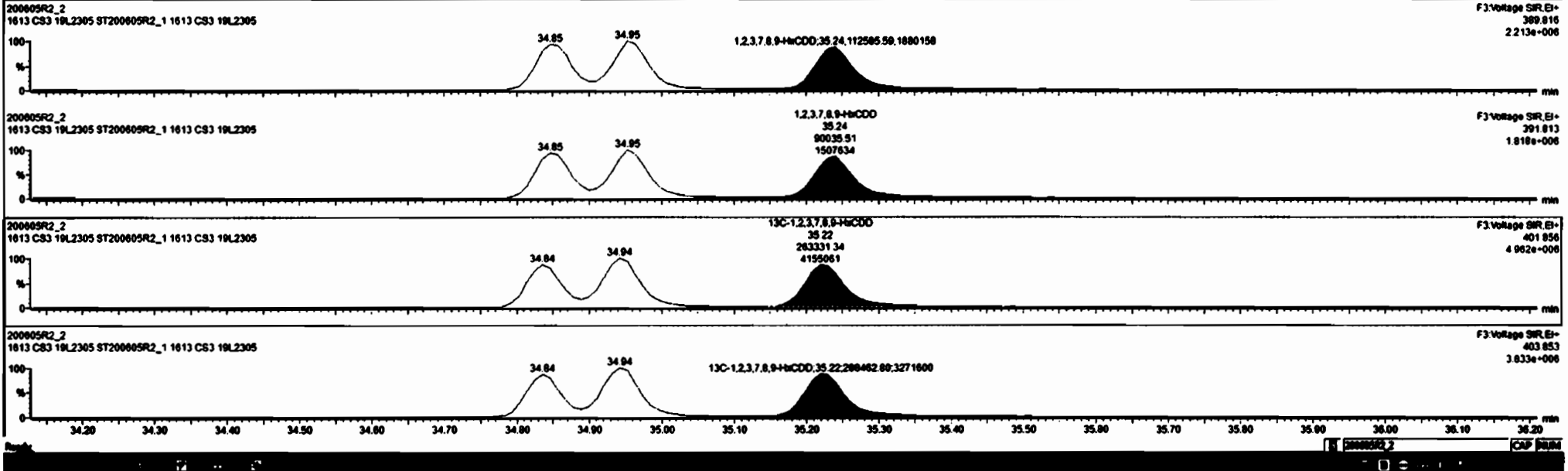
200605R2_2



200605R2_2



2.3.7.8-TCDD	7.36e4	0.75	NO	0.80	1.000	26.61	1.001	9.86	98.8	0.0400	0.80
1.2.3.7.8-PeCDD	2.83e6	0.62	NO	0.91	1.000	31.48	1.000	47.7	95.5	0.150	47.7
1.2.3.6.7.8-hxCDD	2.11e5	1.22	NO	1.03	1.000	34.85	1.000	48.6	97.2	0.200	48.6
1.2.3.6.7.8-hxCDF	2.33e5	1.22	NO	0.89	1.000	34.96	1.000	48.8	97.9	0.212	48.8
1.2.3.4.6.7.8-PeCDD	1.98e6	1.02	NO	0.80	1.000	38.78	1.000	48.3	98.7	0.310	48.3
OCDD	3.13e6	0.80	NO	0.91	1.000	41.70	1.000	101	101	0.213	101
2.3.7.8-TCDF	7.79e4	0.74	NO	0.75	1.000	25.63	1.001	9.95	95.5	0.0568	9.95
1.2.3.7.8-PeCDF	3.97e6	1.57	NO	0.80	1.000	38.18	1.001	48.7	97.4	0.144	48.7
2.3.4.7.8-PeCDF	3.96e6	1.58	NO	0.93	1.000	31.18	1.000	48.9	98.9	0.130	48.9
1.2.3.4.7.8-hxCDF	2.48e6	1.19	NO	0.80	1.000	33.97	1.000	51.5	103	0.210	51.5
1.2.3.6.7.8-hxCDF	2.85e6	1.16	NO	0.89	1.000	34.10	1.001	51.3	103	0.201	51.3
2.3.4.6.7.8-hxCDF	2.63e6	1.21	NO	0.93	1.000	34.80	1.001	48.9	99.0	0.217	48.9
1.2.3.7.8-hxCDF	1.98e6	1.22	NO	0.87	1.000	36.80	1.000	50.9	102	0.320	50.9
1.2.3.4.6.7.8-PeCDF	1.87e6	0.90	NO	0.87	1.000	37.37	1.000	51.7	103	0.250	51.7
1.2.3.4.7.8-hxCDF	1.48e6	0.90	NO	1.01	1.000	38.33	1.000	51.7	103	0.277	51.7
OCDF	3.97e6	0.84	NO	0.81	1.000	41.80	1.000	101	101	0.204	101
13C-2.3.7.8-TCDD	8.31e6	0.78	NO	1.16	1.000	26.80	1.025	102	102	0.186	
13C-1.2.3.7.8-PeCDD	6.96e6	0.63	NO	0.95	1.000	31.47	1.218	101	101	0.186	
13C-1.2.3.4.7.8-hxCDD	4.21e6	1.29	NO	0.78	1.000	34.84	1.014	98.4	98.4	0.384	
13C-1.2.3.6.7.8-hxCDD	5.35e6	1.27	NO	1.02	1.000	34.94	1.017	95.7	95.7	0.233	



Dataset: Untitled

Last Altered: Sunday, June 07, 2020 07:59:02 Pacific Daylight Time

Printed: Sunday, June 07, 2020 07:59:18 Pacific Daylight Time

Name: 200605R2_2, Date: 05-Jun-2020, Time: 23:08:50, ID: ST200605R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

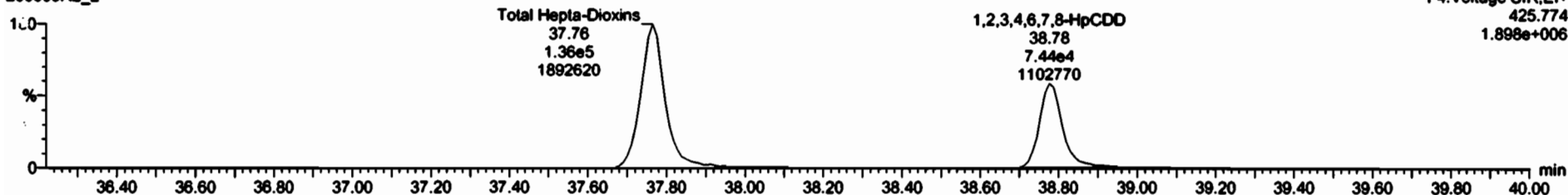
1,2,3,4,6,7,8-HpCDD

200605R2_2



F4:Voltage SIR,EI+
423.777
1.961e+006

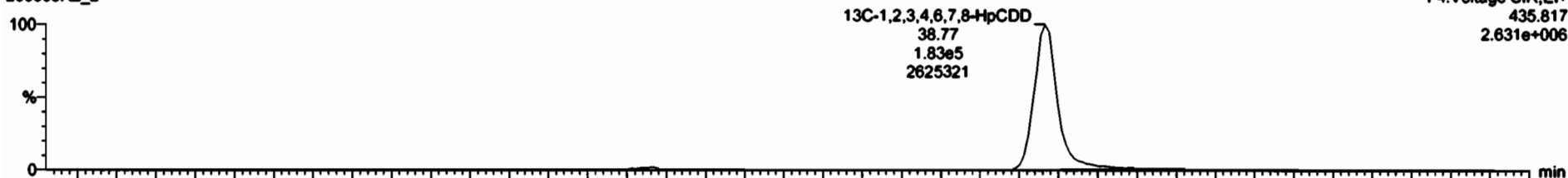
200605R2_2



F4:Voltage SIR,EI+
425.774
1.898e+006

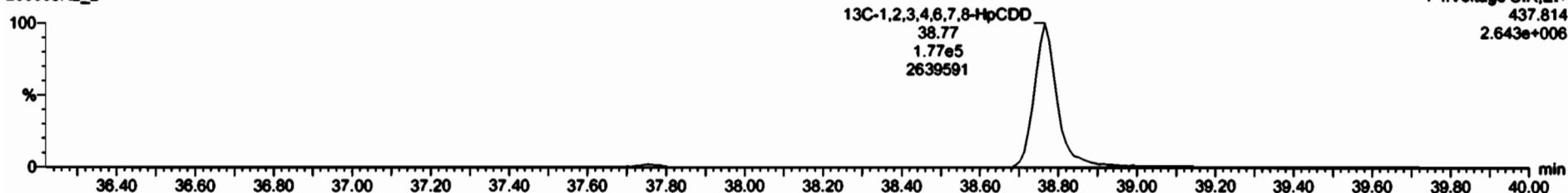
13C-1,2,3,4,6,7,8-HpCDD

200605R2_2



F4:Voltage SIR,EI+
435.817
2.631e+006

200605R2_2



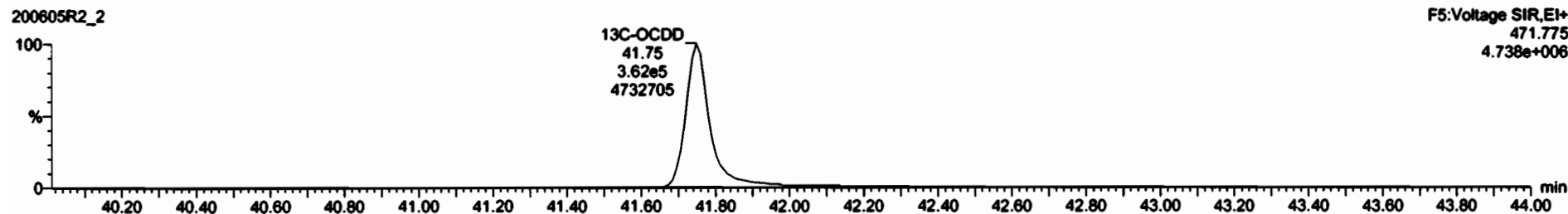
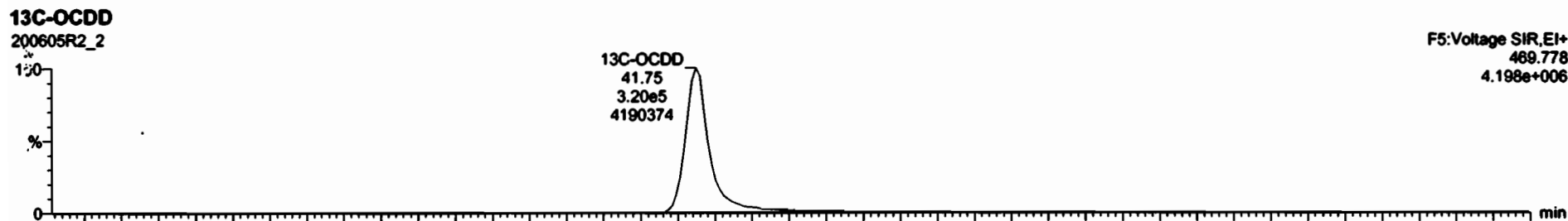
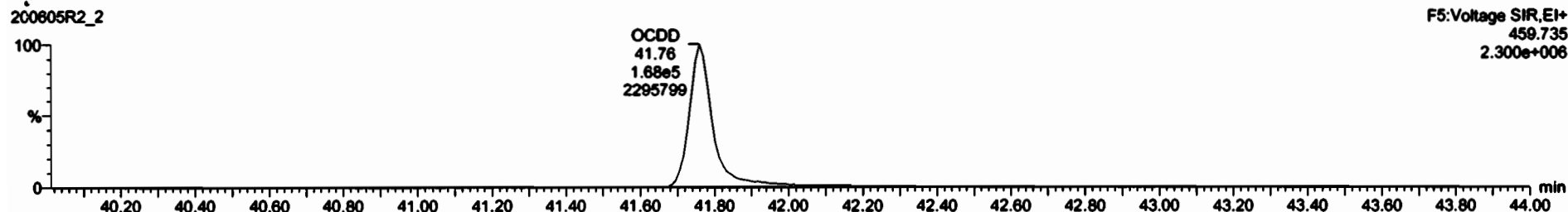
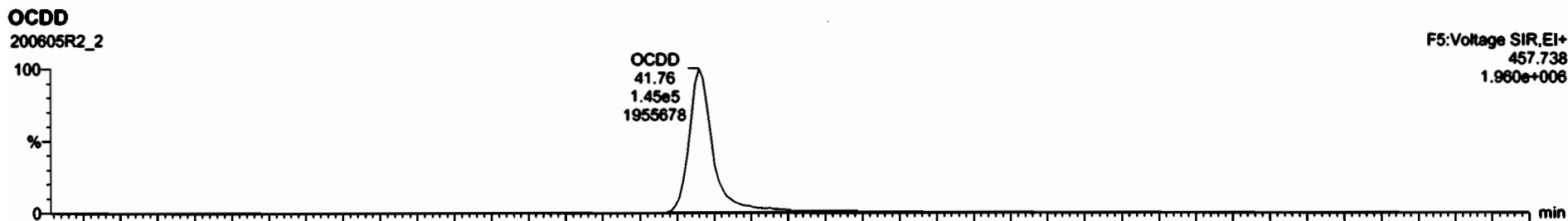
F4:Voltage SIR,EI+
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2.643e+006

Dataset: Untitled

Last Altered: Sunday, June 07, 2020 07:59:02 Pacific Daylight Time

Printed: Sunday, June 07, 2020 07:59:18 Pacific Daylight Time

Name: 200605R2_2, Date: 05-Jun-2020, Time: 23:08:50, ID: ST200605R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



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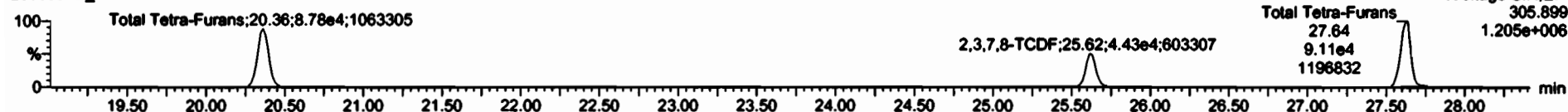
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2,3,7,8-TCDF

200605R2_2

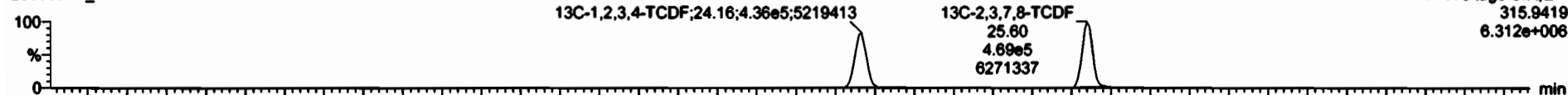


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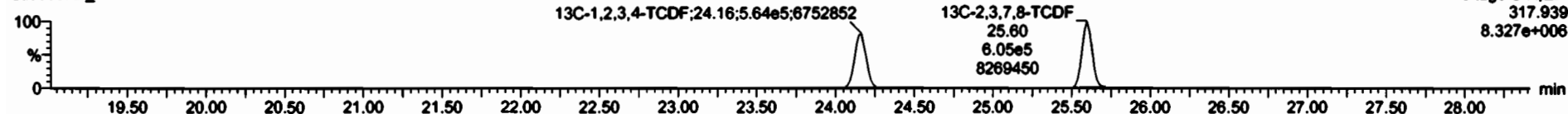


13C-2,3,7,8-TCDF

200605R2_2

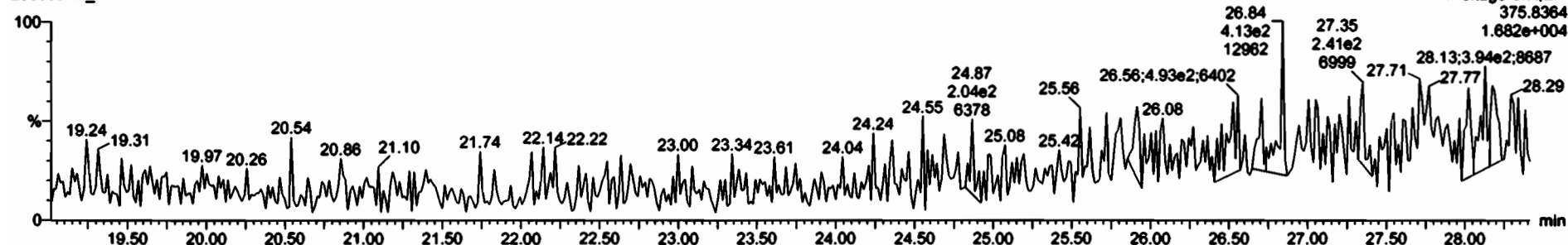


200605R2_2



DPE1

200605R2_2



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Printed: Sunday, June 07, 2020 07:59:18 Pacific Daylight Time

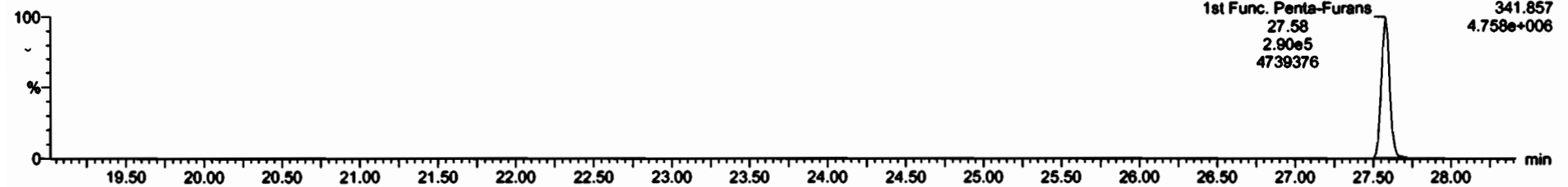
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1st Func. Penta-Furans

200605R2_2

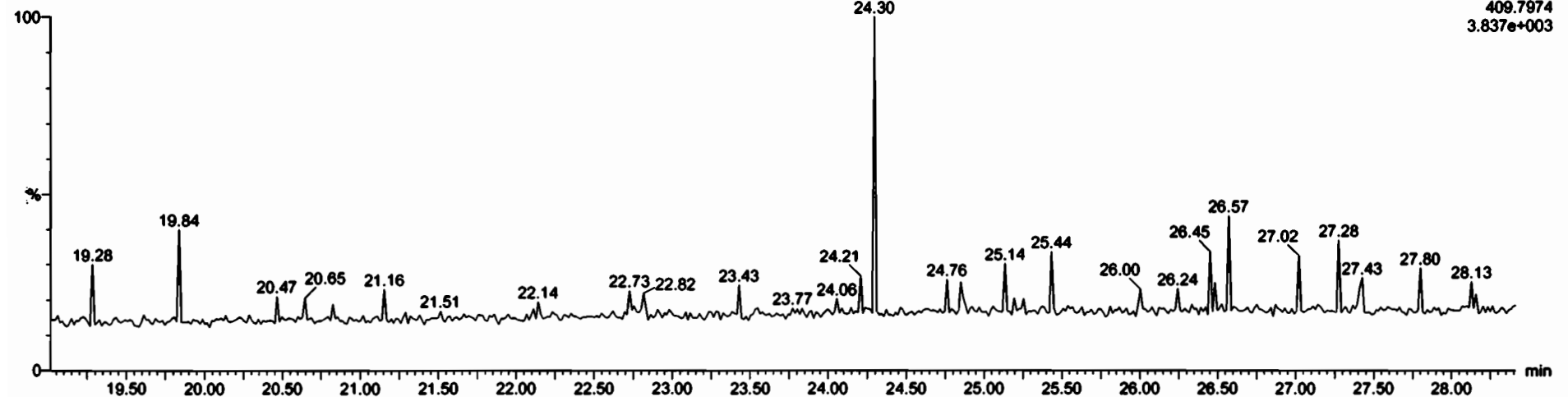


200605R2_2



DPE6

200605R2_2



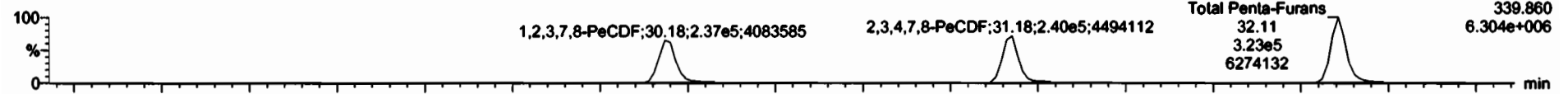
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Printed: Sunday, June 07, 2020 07:59:18 Pacific Daylight Time

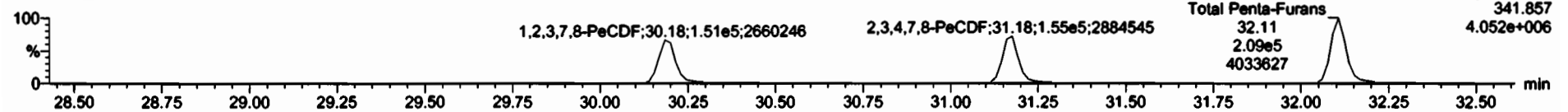
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1,2,3,7,8-PeCDF

200605R2_2

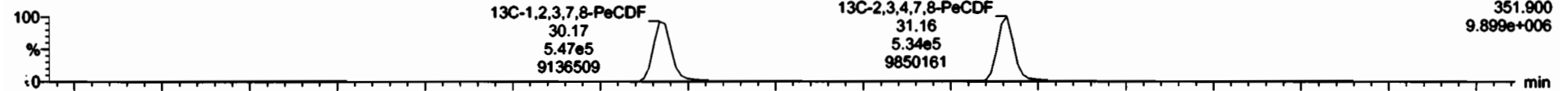


200605R2_2

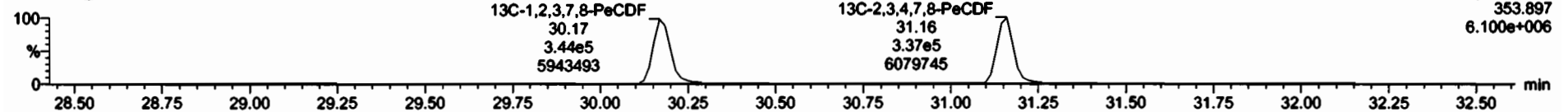


13C-1,2,3,7,8-PeCDF

200605R2_2

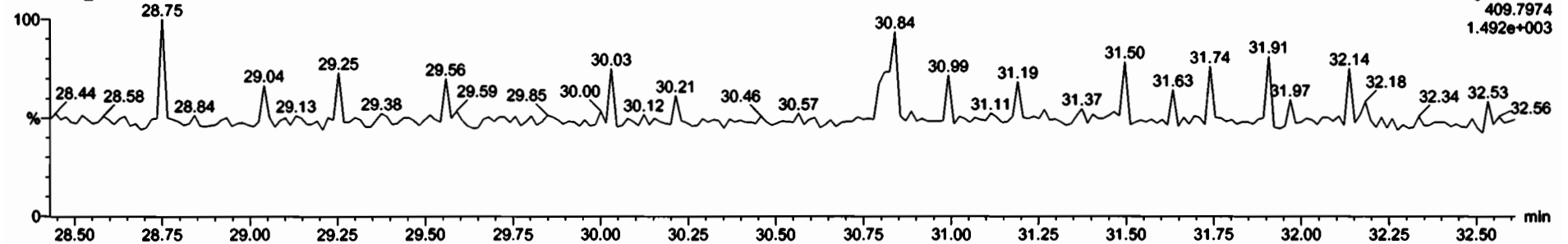


200605R2_2



DPE2

200605R2_2

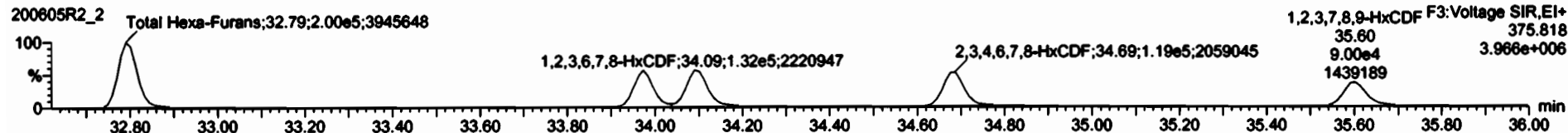
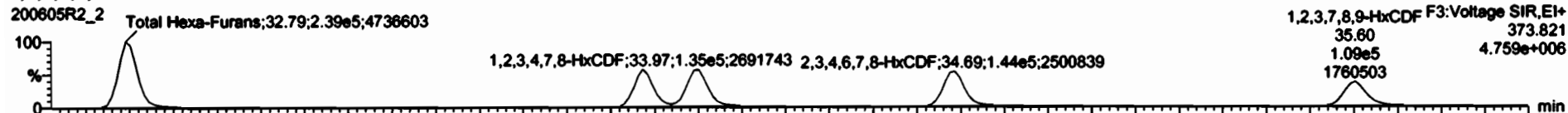


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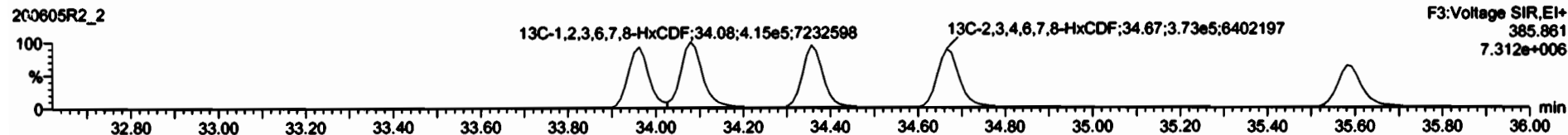
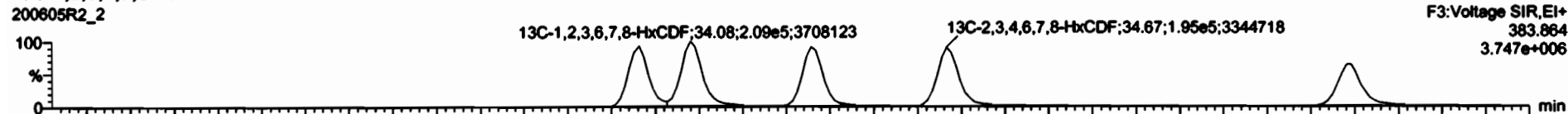
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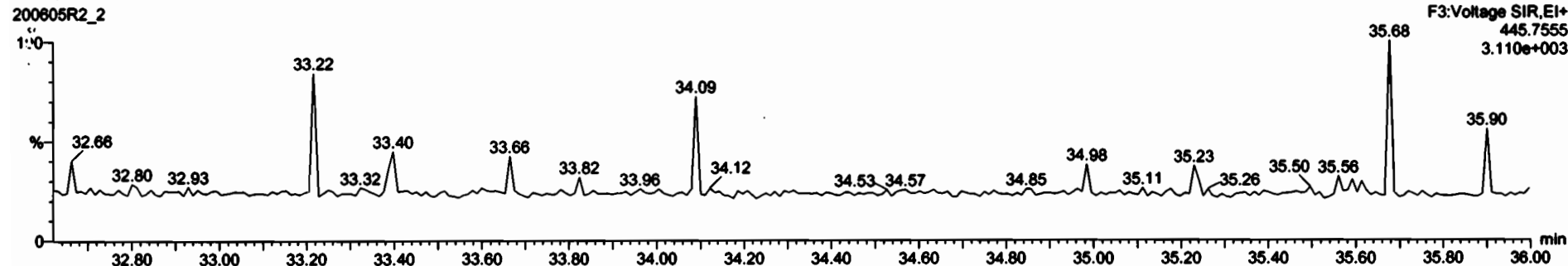
1,2,3,4,7,8-HxCDF



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



DPE3



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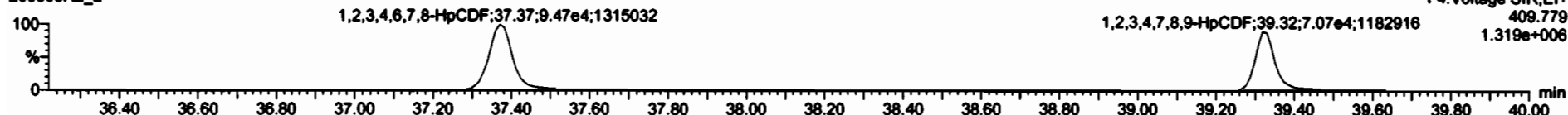
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1,2,3,4,6,7,8-HpCDF

200605R2_2



200605R2_2

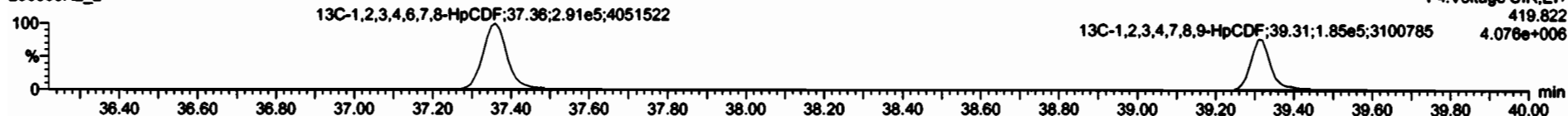


13C-1,2,3,4,6,7,8-HpCDF

200605R2_2

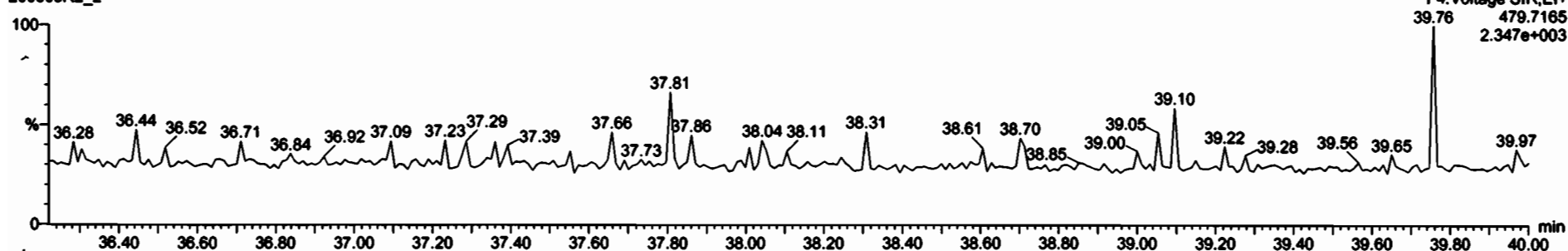


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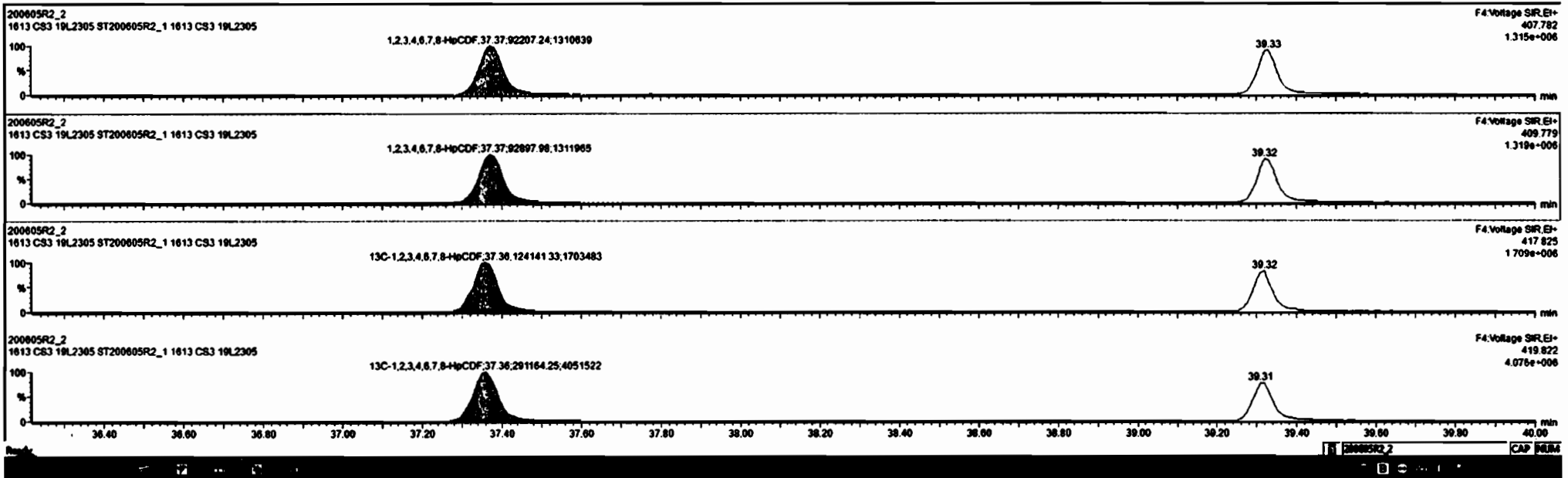


D:PE4

200605R2_2



2,3,7,8-TCDD	7.30e4	0.75	NO	0.80	1.000	26.51	1.001	9.88	98.8	0.0400	9.88
1,2,3,7,8-PeCDD	2.82e4	0.62	NO	0.91	1.000	31.40	1.000	47.7	95.5	0.150	47.7
1,2,3,4,7,8-HxCDD	2.11e5	1.22	NO	1.93	1.000	34.85	1.000	48.6	97.2	0.200	48.0
1,2,3,6,7,8-HxCDD	2.33e5	1.22	NO	0.89	1.000	34.85	1.000	49.0	97.9	0.212	48.0
1,2,3,7,8-HxCDD	2.95e5	1.25	NO	0.89	1.000	36.24	1.001	48.4	96.8	0.252	48.4
1,2,3,4,6,7,8-HpCDD	1.98e6	1.82	NO	0.88	1.000	38.78	1.000	48.3	96.7	0.318	48.3
OCDD	3.13e5	0.88	NO	0.91	1.000	41.78	1.000	101	101	0.213	101
2,3,7,8-TCDF	7.78e4	0.74	NO	0.75	1.000	25.63	1.001	9.56	95.5	0.0558	9.56
1,2,3,7,8-PeCDF	3.87e5	1.57	NO	0.80	1.000	30.18	1.001	48.7	97.4	0.144	48.7
2,3,4,7,8-PeCDF	3.95e5	1.55	NO	0.93	1.000	31.18	1.000	48.3	98.9	0.128	48.5
1,2,3,4,7,8-HxCDF	2.48e5	1.19	NO	0.80	1.000	33.97	1.000	51.5	103	0.216	51.3
1,2,3,6,7,8-HxCDF	2.95e5	1.18	NO	0.80	1.000	34.10	1.001	51.3	103	0.201	51.3
2,3,4,6,7,8-HxCDF	2.83e5	1.21	NO	0.93	1.000	34.89	1.001	49.5	99.0	0.217	49.5
1,2,3,7,8-HxCDF	1.98e6	1.22	NO	0.87	1.000	35.80	1.000	50.9	102	0.329	50.9
1,2,3,4,7,8,9-HpCDF	1.48e6	0.99	NO	1.01	1.000	38.33	1.000	51.7	103	0.277	51.7
OCDF	3.97e5	0.84	NO	0.81	1.000	41.88	1.000	101	101	0.284	101
13C-2,3,7,8-TCDD	8.31e5	0.78	NO	1.16	1.000	28.50	1.025	102	102	0.185	
13C-1,2,3,7,8-PeCDD	6.96e5	0.63	NO	0.95	1.000	31.47	1.218	101	101	0.195	
13C-1,2,3,4,7,8-HxCDD	4.21e5	1.29	NO	0.78	1.000	34.84	1.014	98.4	98.4	0.304	
13C-1,2,3,6,7,8-HxCDD	5.35e5	1.27	NO	1.82	1.000	34.94	1.017	95.7	95.7	0.233	

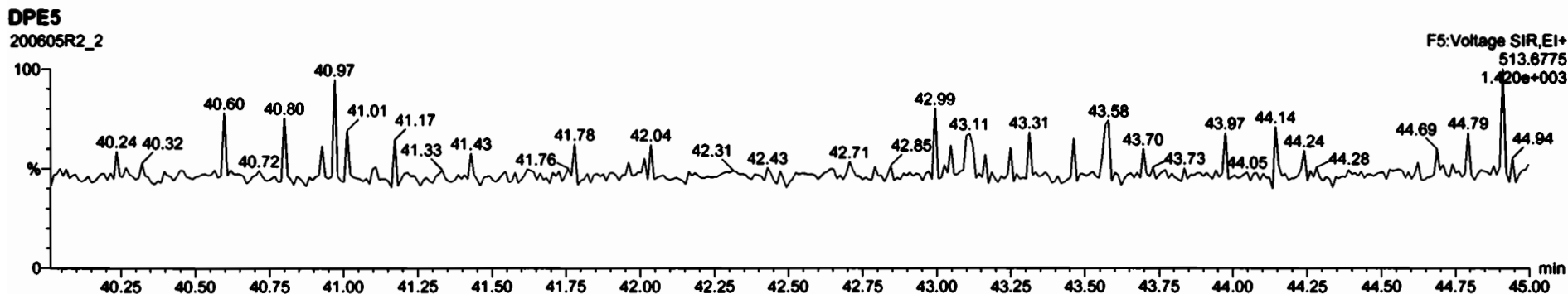
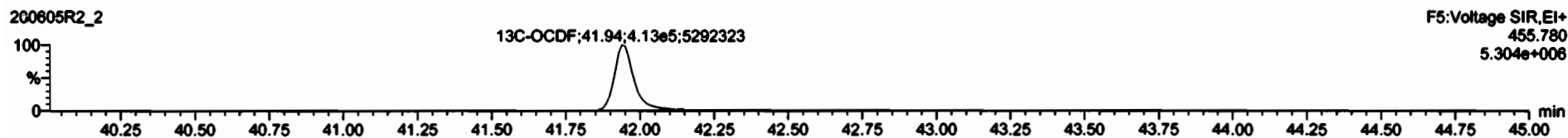
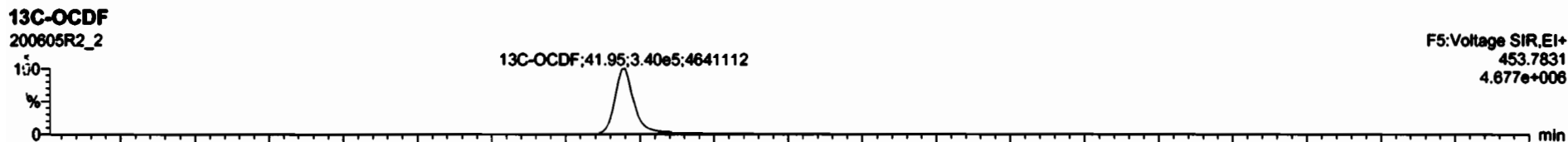
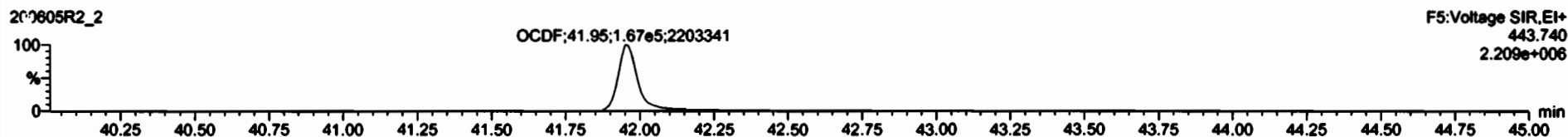
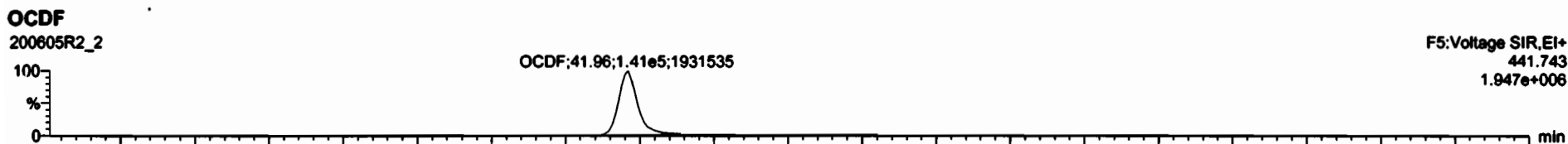


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Printed: Sunday, June 07, 2020 07:59:18 Pacific Daylight Time

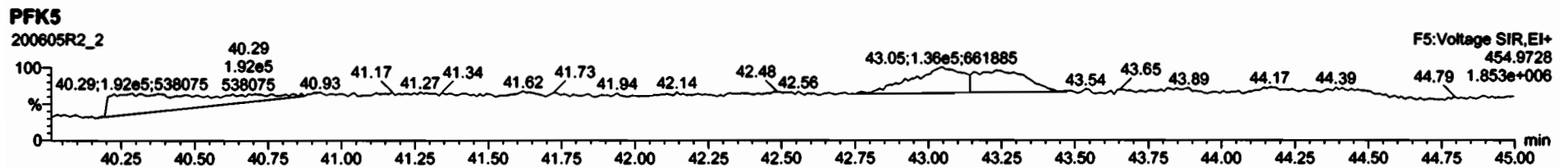
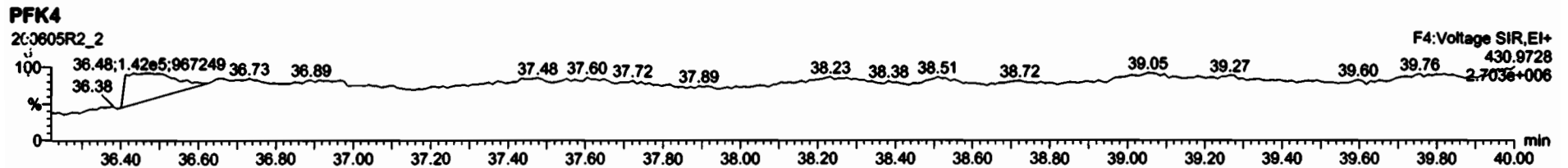
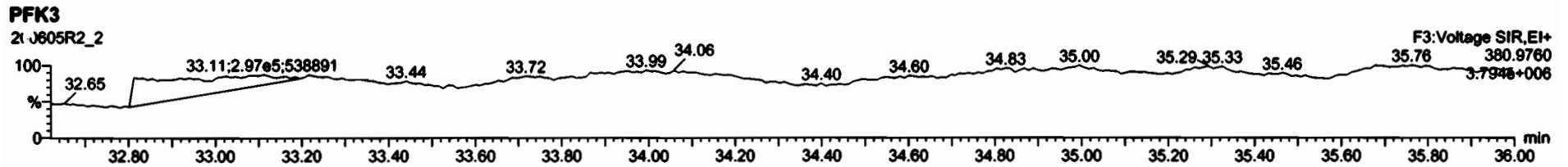
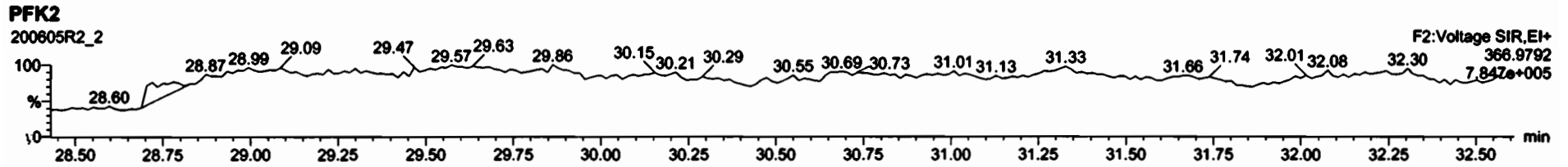
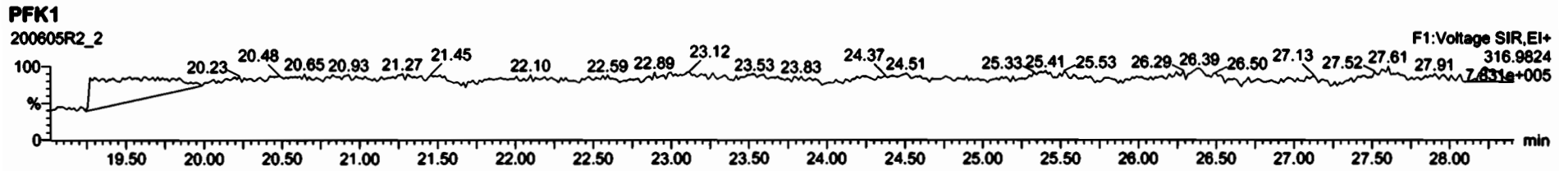
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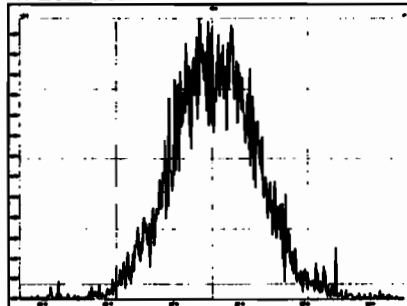
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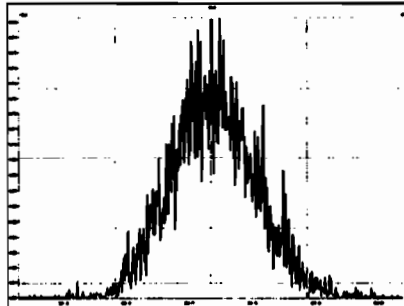


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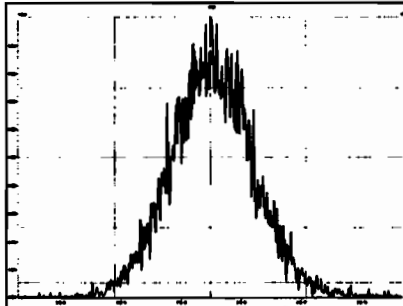
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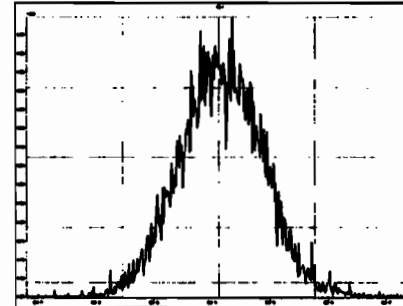
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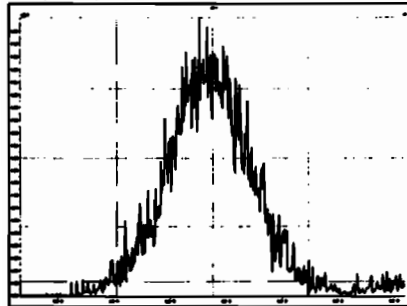
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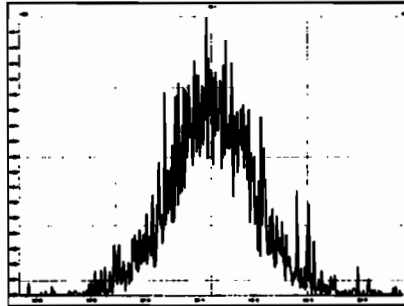
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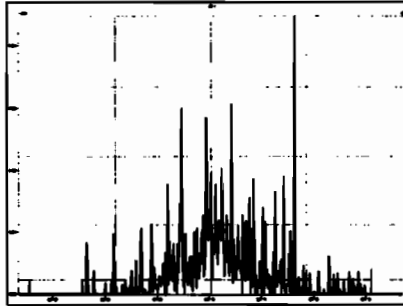
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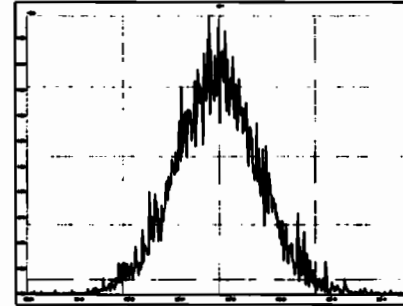
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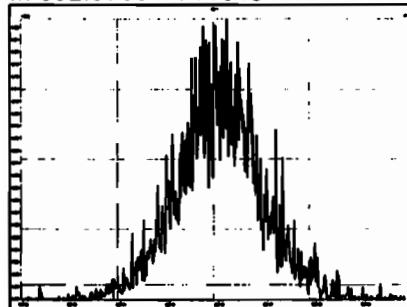
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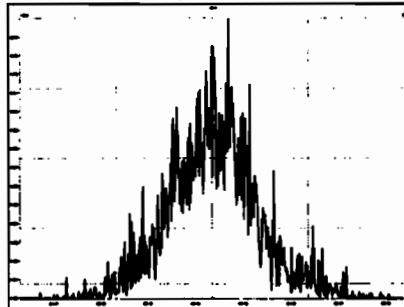
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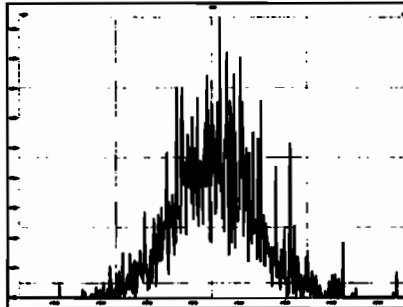
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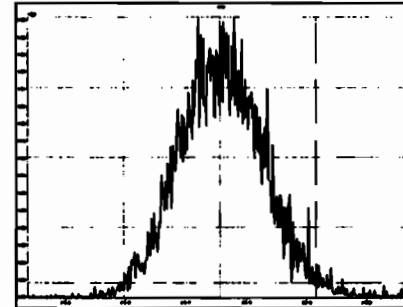
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M 416.9760 R 13654

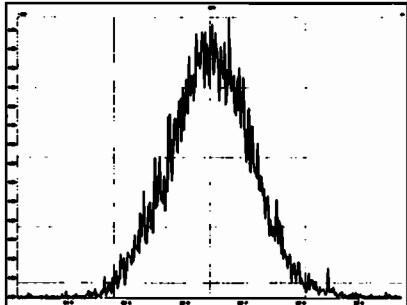


M 318.9792 R 10461

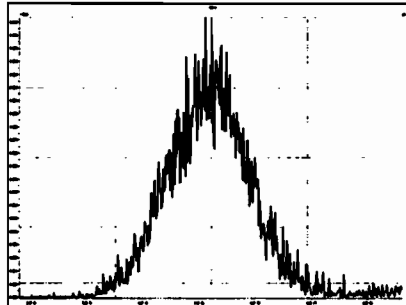


Printed: Saturday, June 06, 2020 11:37:26 Pacific Daylight Time

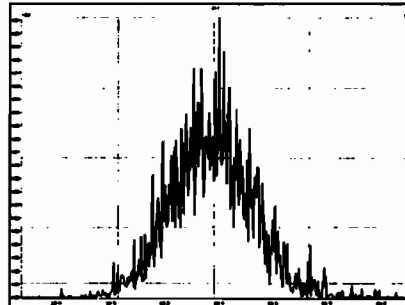
M 330.9792 R 10487



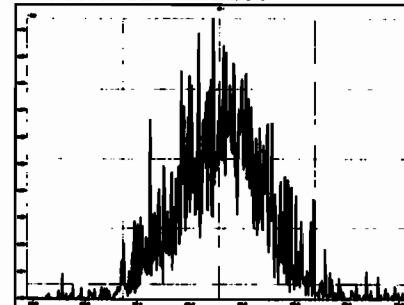
M 342.9792 R 10144



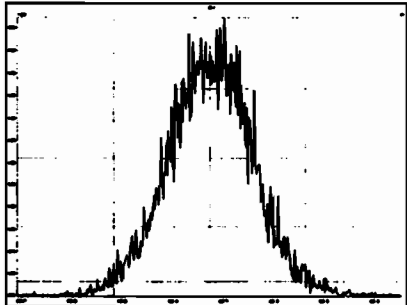
M 354.9792 R 11365



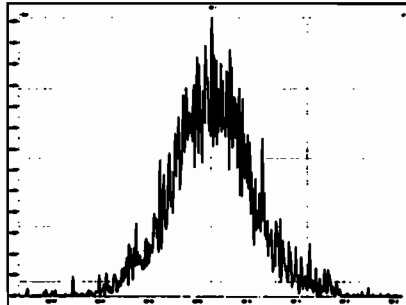
M 366.9792 R 12230



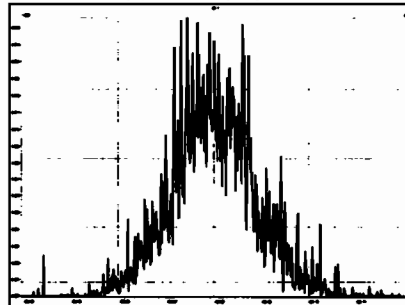
M 380.9760 R 10061



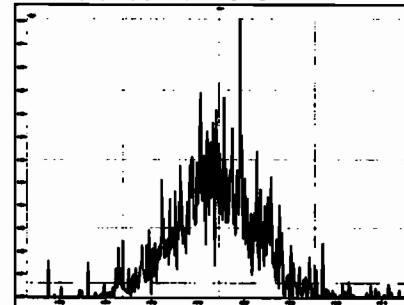
M 392.9760 R 11160



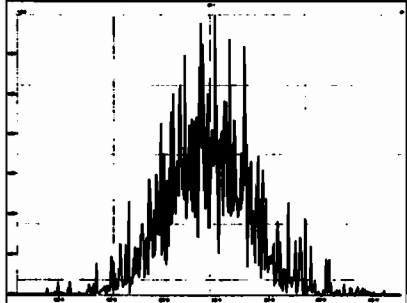
M 404.9760 R 12316



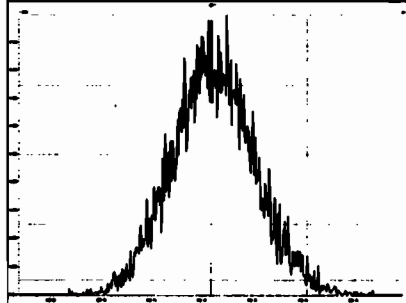
M 416.9760 R 14619



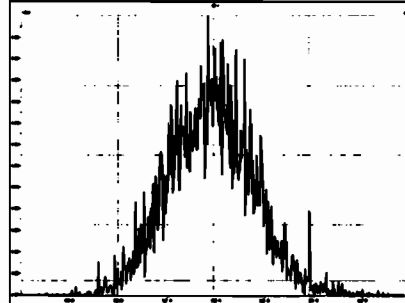
M 366.9792 R 12787



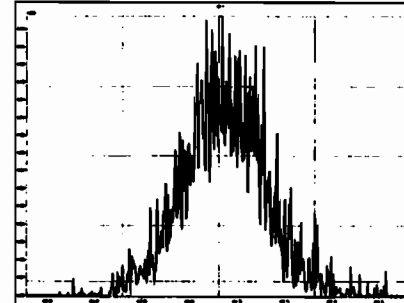
M 380.9760 R 10593



M 392.9760 R 11598

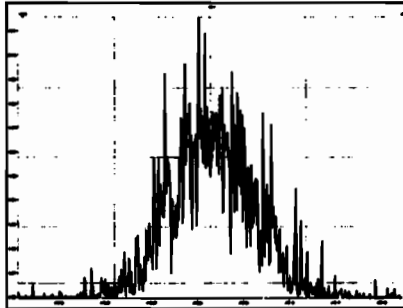


M 404.9760 R 12081

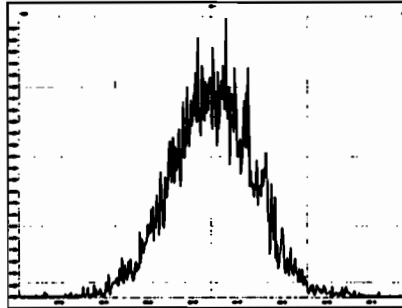


Printed: Saturday, June 06, 2020 11:37:26 Pacific Daylight Time

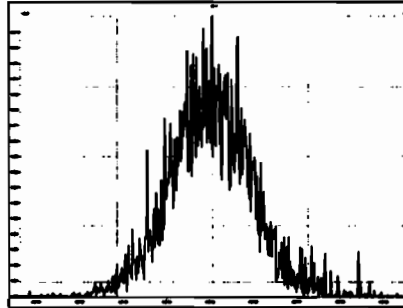
M 416.9760 R 13809



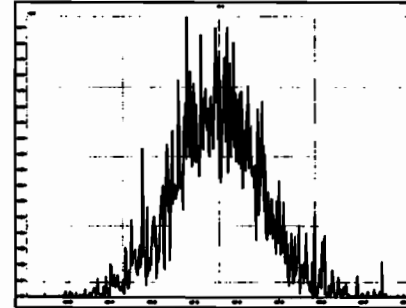
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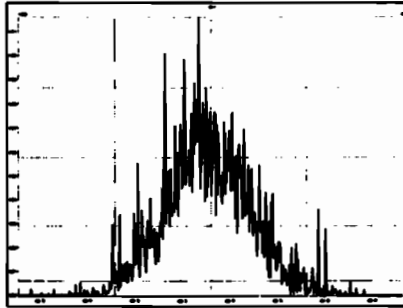
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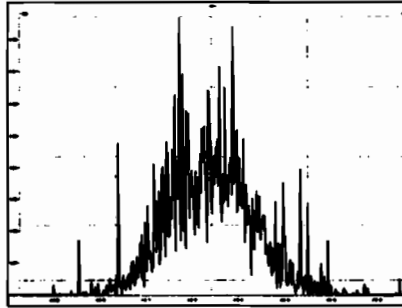
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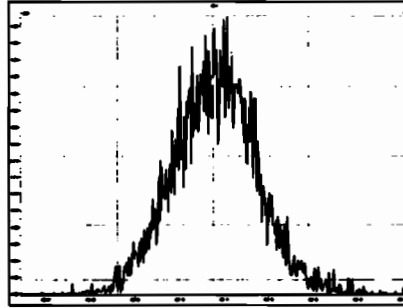
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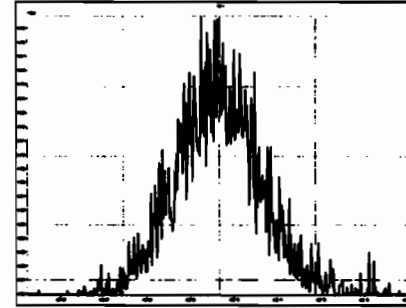
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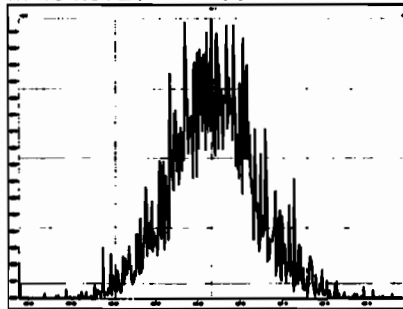
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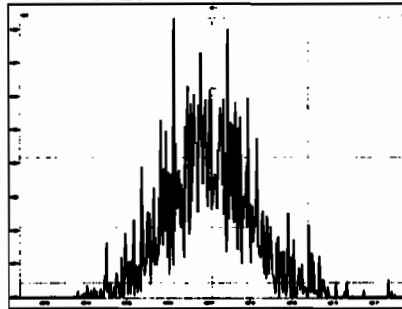
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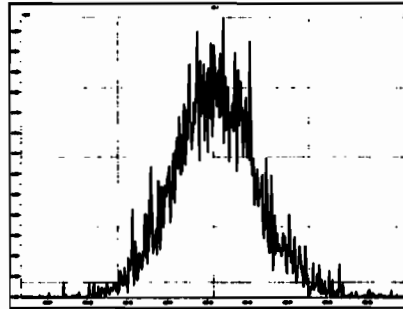
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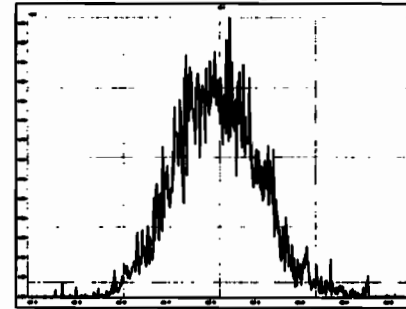
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M 480.9696 R 11261

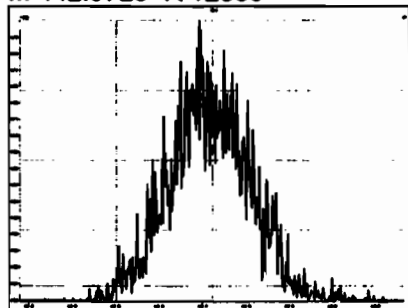


M 430.9728 R 10616

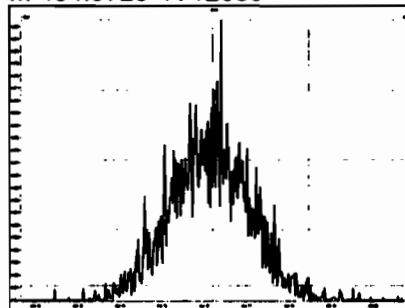


Printed: Saturday, June 06, 2020 11:37:26 Pacific Daylight Time

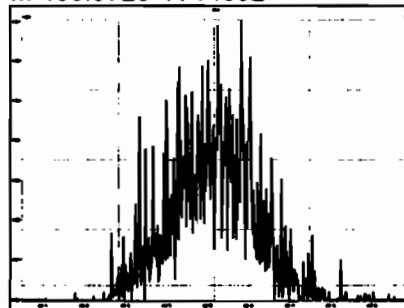
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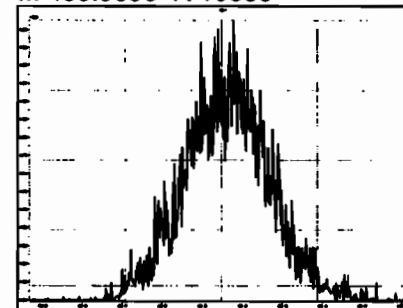
M 454.9728 R 12689



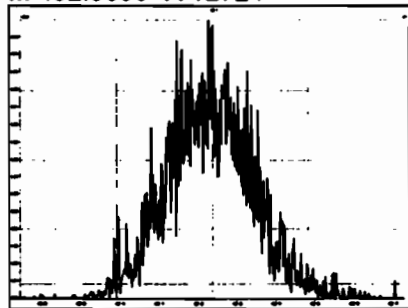
M 466.9728 R 14302



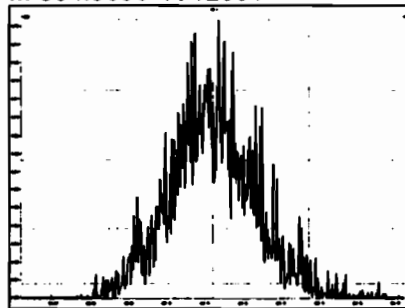
M 480.9696 R 10585



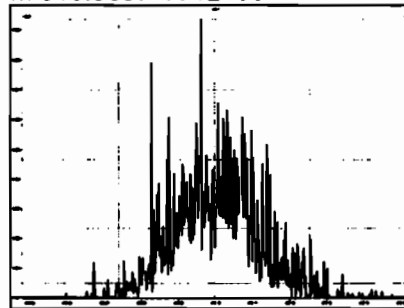
M 492.9696 R 12724



M 504.9696 R 12351



M 516.9697 R 12438



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST20060822-1

Reviewed By: CT 06/09/2020
Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>		<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox" value="NA"/>	Mass resolution \geq	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input 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		
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input type="checkbox" value="NA"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GC Break <20%	<input type="checkbox" value="NA"/>	
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>8280 CS1 End Standard:</u>		
Verification Std. named correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		<input type="checkbox" value="NA"/>
(ST-Year-Month-Day-VG ID)					
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Comments:	<div style="height: 150px;"></div>	
Correct ICAL referenced?	<u>GPB</u>	<input type="checkbox"/>			
<u>Run Log:</u>					
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox" value="v"/>			
- Samples within 12 hour clock?	<input checked="" type="checkbox" value="Y"/>	<input type="checkbox" value="N"/>			
- Bottle position verified?	<u>GPB</u>	<input type="checkbox"/>			

Dataset: U:\VG12.PRO\Results\200608R2\200608R2-2.qld

Last Altered: Tuesday, June 09, 2020 07:28:47 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:29:43 Pacific Daylight Time

GAB 06/09/2020
06/09/2020

Method: Untitled 01 Jun 2020 11:54:45

Calibration: U:\VG12.PRO\CurveDB\cb5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

C7 06/09/2020

Name: 200608R2_2, Date: 09-Jun-2020, Time: 00:59:18, ID: ST200608R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1	2,3,7,8-TCDD	6.62e4	7.46e5	0.76	NO	0.888	26.47	26.45	NO	1.001	1.001	9.9962	100	NO
2	1,2,3,7,8-PeCDD	2.24e5	5.02e5	0.62	NO	0.908	31.44	31.44	NO	1.001	1.000	49.184	98.4	NO
3	1,2,3,4,7,8-HxCDD	1.84e5	3.54e5	1.25	NO	1.03	34.80	34.80	NO	1.000	1.000	50.373	101	NO
4	1,2,3,6,7,8-HxCDD	2.02e5	4.49e5	1.25	NO	0.892	34.90	34.91	NO	1.000	1.000	50.492	101	NO
5	1,2,3,7,8,9-HxCDD	1.77e5	4.01e5	1.25	NO	0.887	35.20	35.20	NO	1.000	1.000	49.861	99.7	NO
6	1,2,3,4,6,7,8-HpCDD	1.34e5	3.11e5	1.00	NO	0.864	38.74	38.73	NO	1.000	1.000	49.873	99.7	NO
7	OCDD	2.51e5	5.39e5	0.90	NO	0.914	41.72	41.72	NO	1.000	1.000	101.72	102	NO
8	2,3,7,8-TCDF	7.71e4	1.02e6	0.74	NO	0.751	25.57	25.56	NO	1.001	1.001	10.031	100	NO
9	1,2,3,7,8-PeCDF	3.59e5	8.01e5	1.59	NO	0.893	30.14	30.14	NO	1.001	1.001	50.182	100	NO
10	2,3,4,7,8-PeCDF	3.56e5	7.66e5	1.57	NO	0.935	31.15	31.13	NO	1.001	1.000	49.786	99.6	NO
11	1,2,3,4,7,8-HxCDF	2.30e5	5.06e5	1.19	NO	0.884	33.92	33.93	NO	1.000	1.000	51.476	103	NO
12	1,2,3,6,7,8-HxCDF	2.64e5	5.88e5	1.20	NO	0.889	34.05	34.06	NO	1.000	1.001	50.458	101	NO
13	2,3,4,6,7,8-HxCDF	2.45e5	5.11e5	1.20	NO	0.934	34.66	34.64	NO	1.001	1.001	51.289	103	NO
14	1,2,3,7,8,9-HxCDF	1.83e5	4.05e5	1.21	NO	0.871	35.54	35.56	NO	1.000	1.001	51.996	104	NO
15	1,2,3,4,6,7,8-HpCDF	1.73e5	3.77e5	1.02	NO	0.873	37.34	37.32	NO	1.001	1.000	52.468	105	NO
16	1,2,3,4,7,8,9-HpCDF	1.32e5	2.53e5	0.99	NO	1.01	39.27	39.28	NO	1.000	1.000	51.535	103	NO
17	OCDF	2.76e5	6.78e5	0.87	NO	0.806	41.91	41.91	NO	1.000	1.000	101.02	101	NO
18	13C-2,3,7,8-TCDD	7.46e5	6.44e5	0.78	NO	1.16	26.46	26.44	NO	1.026	1.026	100.17	100	NO
19	13C-1,2,3,7,8-PeCDD	5.02e5	6.44e5	0.65	NO	0.849	31.64	31.42	NO	1.227	1.219	91.836	91.8	NO
20	13C-1,2,3,4,7,8-HxCDD	3.54e5	5.04e5	1.29	NO	0.779	34.80	34.79	NO	1.014	1.014	90.084	90.1	NO
21	13C-1,2,3,6,7,8-HxCDD	4.49e5	5.04e5	1.27	NO	1.02	34.91	34.90	NO	1.017	1.017	87.583	87.6	NO
22	13C-1,2,3,7,8,9-HxCDD	4.01e5	5.04e5	1.29	NO	0.903	35.18	35.19	NO	1.025	1.025	88.196	88.2	NO
23	13C-1,2,3,4,6,7,8-HpCDD	3.11e5	5.04e5	1.06	NO	0.689	38.70	38.72	NO	1.128	1.129	89.514	89.5	NO
24	13C-OCDD	5.39e5	5.04e5	0.90	NO	0.652	41.72	41.72	NO	1.216	1.216	164.16	82.1	NO
25	13C-2,3,7,8-TCDF	1.02e6	9.79e5	0.77	NO	1.06	25.50	25.54	NO	0.989	0.991	98.767	98.8	NO
26	13C-1,2,3,7,8-PeCDF	8.01e5	9.79e5	1.60	NO	0.838	30.02	30.12	NO	1.165	1.168	97.683	97.7	NO
27	13C-2,3,4,7,8-PeCDF	7.66e5	9.79e5	1.62	NO	0.817	30.97	31.11	NO	1.202	1.207	95.840	95.8	NO
28	13C-1,2,3,4,7,8-HxCDF	5.06e5	5.04e5	0.51	NO	1.01	33.93	33.92	NO	0.989	0.989	99.689	99.7	NO
29	13C-1,2,3,6,7,8-HxCDF	5.88e5	5.04e5	0.50	NO	1.17	34.05	34.04	NO	0.992	0.992	100.07	100	NO
30	13C-2,3,4,6,7,8-HxCDF	5.11e5	5.04e5	0.50	NO	1.02	34.63	34.62	NO	1.009	1.009	99.311	99.3	NO
31	13C-1,2,3,7,8,9-HxCDF	4.05e5	5.04e5	0.49	NO	0.860	35.53	35.54	NO	1.035	1.036	93.525	93.5	NO

Dataset: U:\VG12.PRO\Results\200608R2\200608R2-2.qld

Last Altered: Tuesday, June 09, 2020 07:28:47 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 07:29:43 Pacific Daylight Time

Name: 200608R2_2, Date: 09-Jun-2020, Time: 00:59:18, ID: ST200608R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

32	13C-1,2,3,4,6,7,8-HpCDF	3.77e5	5.04e5	0.43	NO	0.774	37.27	37.31	NO	1.086	1.087	96.562	96.6	NO
33	13C-1,2,3,4,7,8,9-HpCDF	2.53e5	5.04e5	0.42	NO	0.521	39.30	39.27	NO	1.145	1.144	96.362	96.4	NO
34	13C-OCDF	6.78e5	5.04e5	0.90	NO	0.746	41.89	41.91	NO	1.221	1.221	180.55	90.3	NO
35	37Cl-2,3,7,8-TCDD	6.61e4	6.44e5			1.04	26.49	26.45	NO	1.028	1.026	9.8948	98.9	NO
36	13C-1,2,3,4-TCDD	6.44e5	6.44e5	0.82	NO	1.00	25.89	25.78	NO	1.000	1.000	100.00	100	NO
37	13C-1,2,3,4-TCDF	9.79e5	9.79e5	0.79	NO	1.00	24.36	24.09	NO	1.000	1.000	100.00	100	NO
38	13C-1,2,3,4,6,9-HxCDF	5.04e5	5.04e5	0.51	NO	1.00	34.31	34.31	NO	1.000	1.000	100.00	100	YES <i>sk</i>

Dataset: Untitled

Last Altered: Tuesday, June 09, 2020 09:51:33 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 09:51:54 Pacific Daylight Time

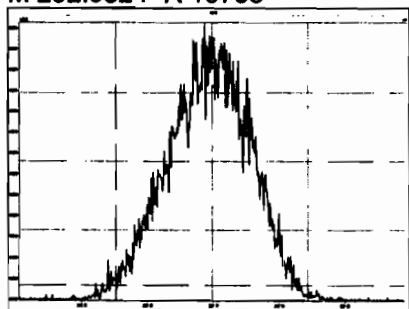
Method: U:\VG12.PRO\MethDB\1613rrt-06-01-20.mdb 01 Jun 2020 11:54:45
Calibration: U:\VG12.PRO\CurveDB\1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Compound name: 2,3,7,8-TCDD

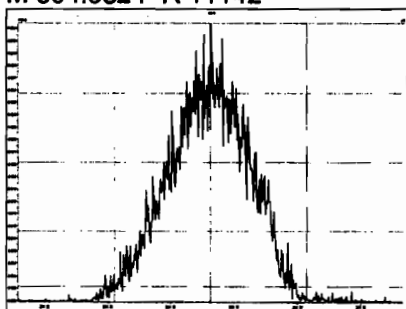
200608R2_1	SOLVENT BLANK	09-Jun-20	00:13:02
200608R2_2	ST200608R2_1 1613 CS3 19L2305	09-Jun-20	00:59:18
200608R2_3	SOLVENT BLANK	09-Jun-20	01:45:34
200608R2_4	2001037-12 PDI-098SC-B-05-07-200507 15.77	09-Jun-20	02:31:48
200608R2_5	2001037-13 PDI-1098SC-B-05-07-200507 15.94	09-Jun-20	03:18:01
200608R2_6	2001037-14 PDI-098SG-00-01-200507 14.97	09-Jun-20	04:04:15
200608R2_7	2000995-10@2X PDI-072SC-B-04-06-200430 ...	09-Jun-20	04:50:30
200608R2_8	2000995-05@5X PDI-068SC-B-05-07-200430 ...	09-Jun-20	05:36:44
200608R2_9	2000995-03@10X PDI-068SC-B-00-02-20043...	09-Jun-20	06:22:59
200608R2_10	2001034-01 PDI-085SC-B-00-02-200508 20.45	09-Jun-20	07:09:15
200608R2_11	2001034-02 PDI-085SC-B-02-05-200508 17.75	09-Jun-20	07:55:27
200608R2_12	2001034-03 PDI-085SC-B-05-07-200508 16.96	09-Jun-20	08:41:41

Printed: Tuesday, June 09, 2020 00:12:59 Pacific Daylight Time

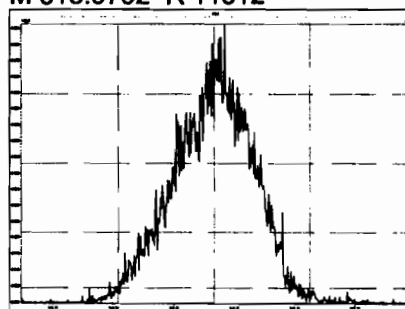
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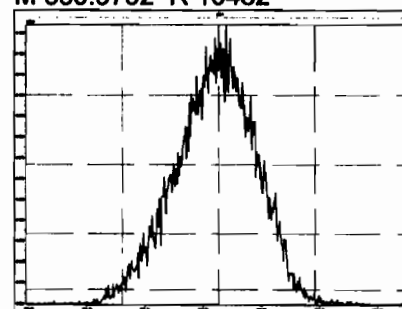
M 304.9824 R 11142



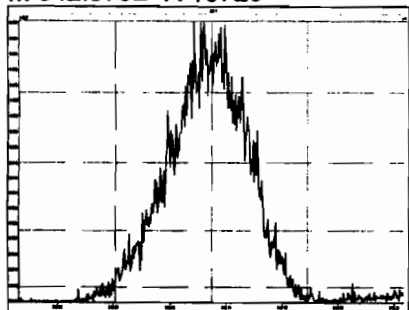
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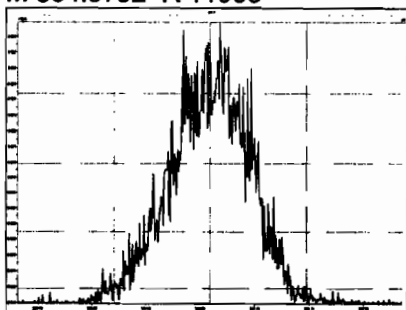
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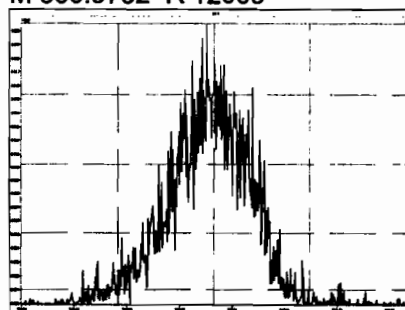
M 342.9792 R 10729



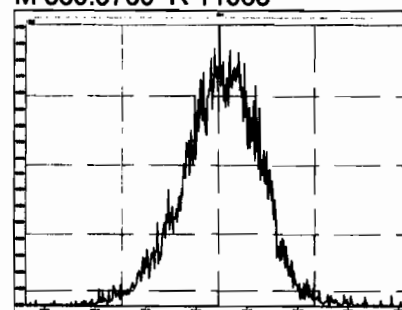
M 354.9792 R 11933



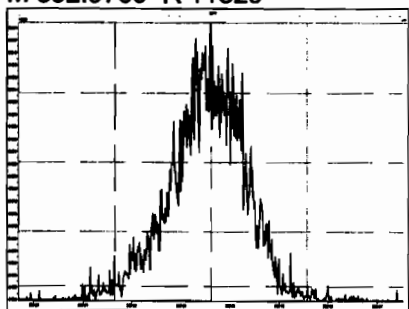
M 366.9792 R 12009



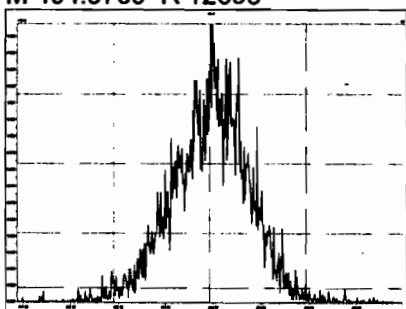
M 380.9760 R 11063



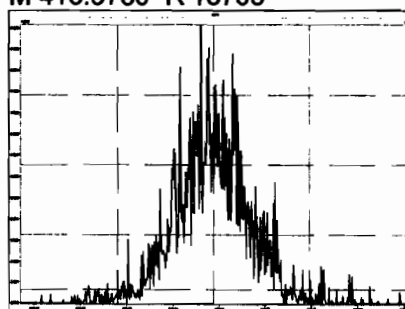
M 392.9760 R 11829



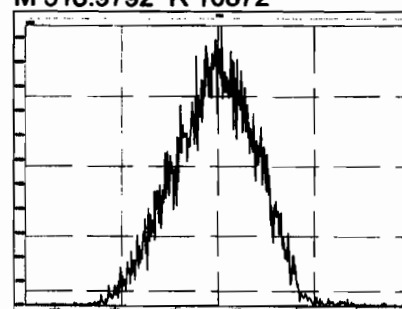
M 404.9760 R 12693



M 416.9760 R 13703

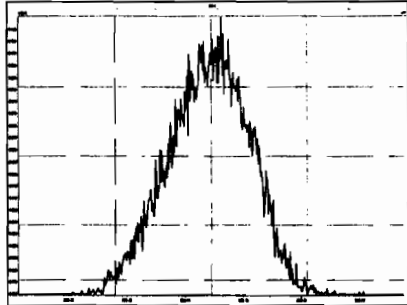


M 318.9792 R 10872

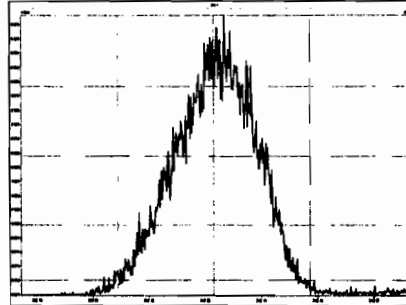


Printed: Tuesday, June 09, 2020 00:12:59 Pacific Daylight Time

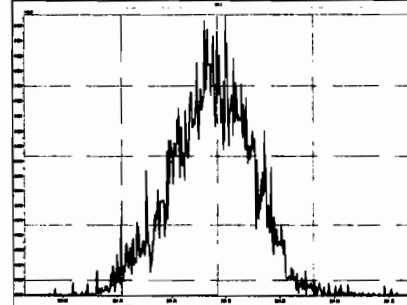
M 330.9792 R 10916



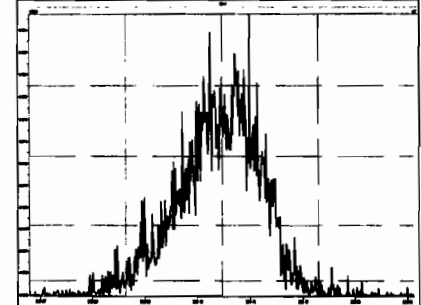
M 342.9792 R 10846



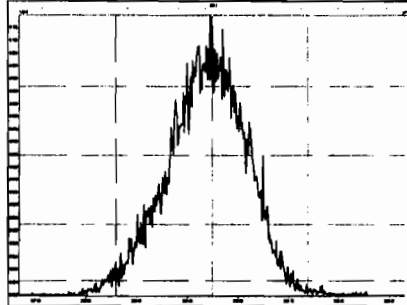
M 354.9792 R 11399



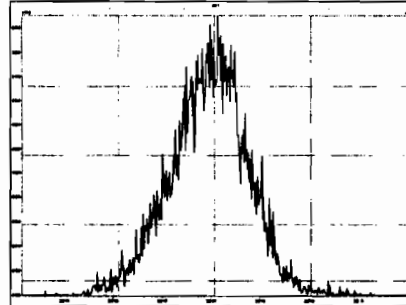
M 366.9792 R 11931



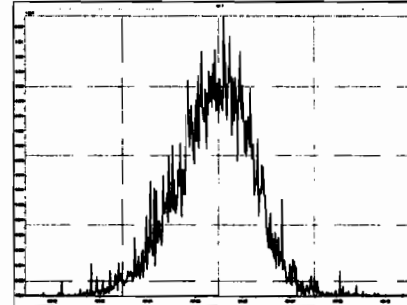
M 380.9760 R 11494



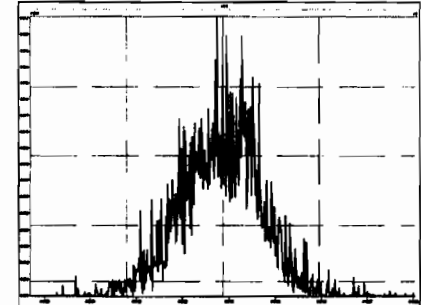
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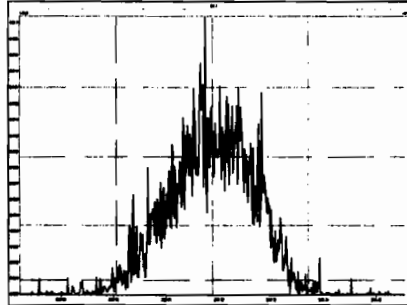
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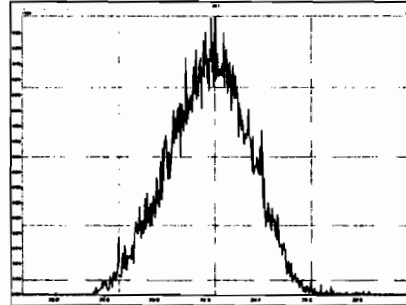
M 416.9760 R 13932



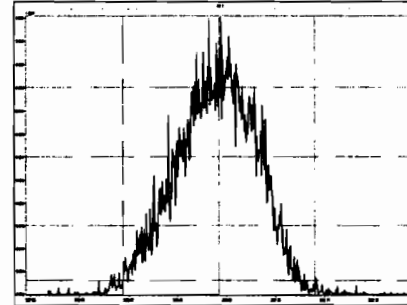
M 366.9792 R 11629



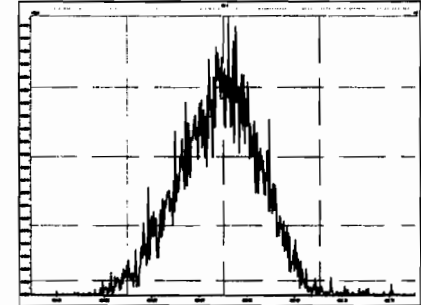
M 380.9760 R 10482



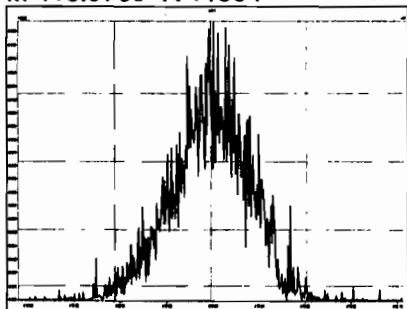
M 392.9760 R 11072



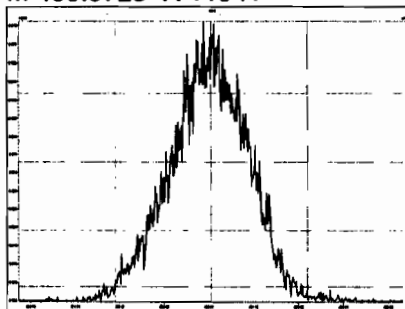
M 404.9760 R 11769



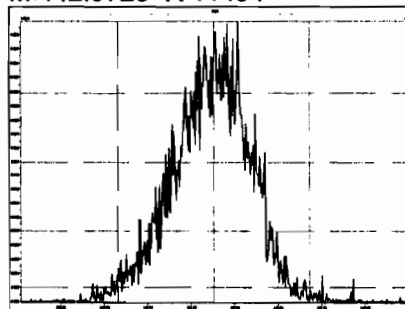
M 416.9760 R 11904



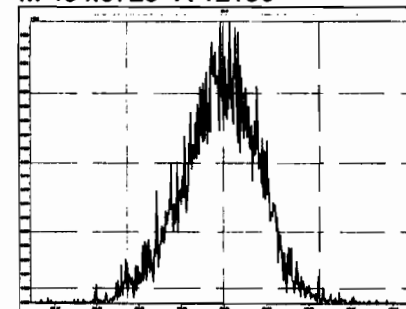
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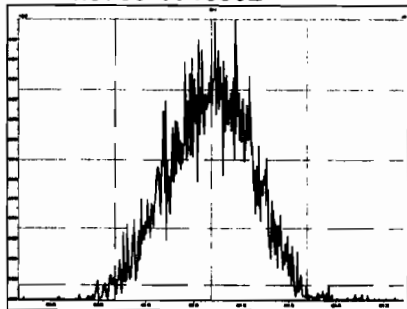
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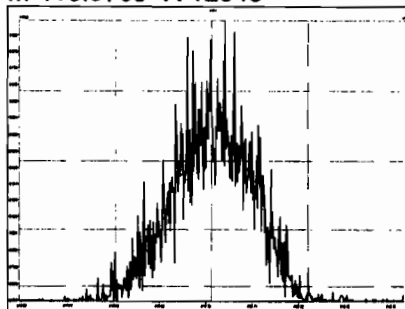
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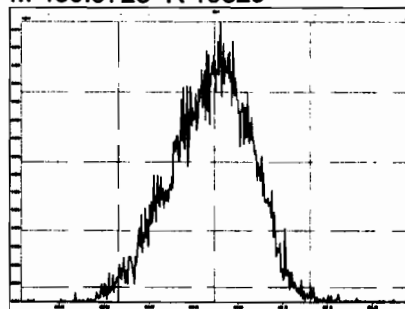
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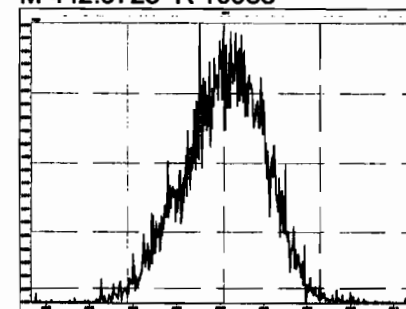
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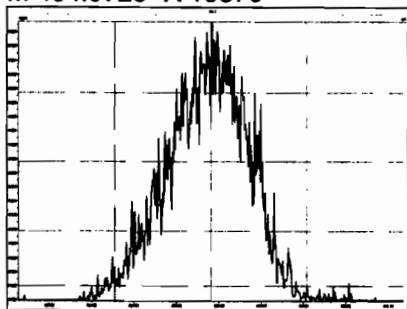
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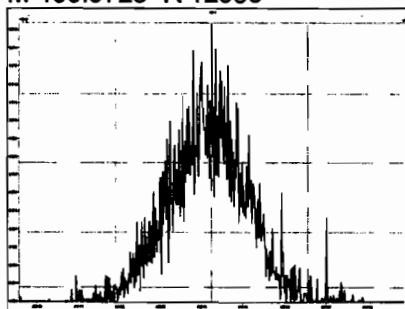
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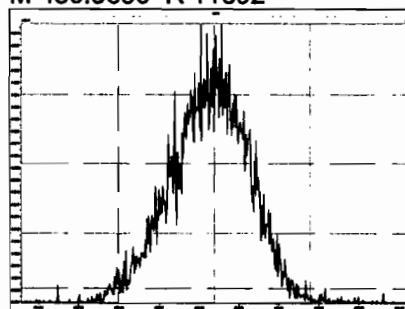
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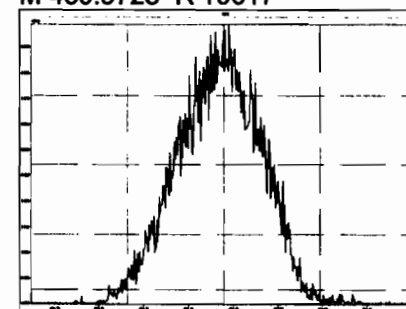
M 466.9728 R 12993



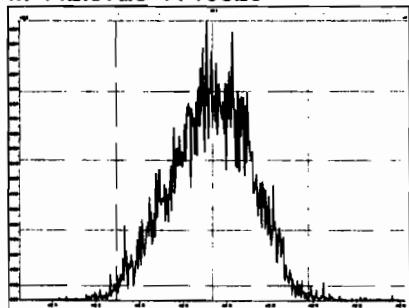
M 480.9696 R 11392



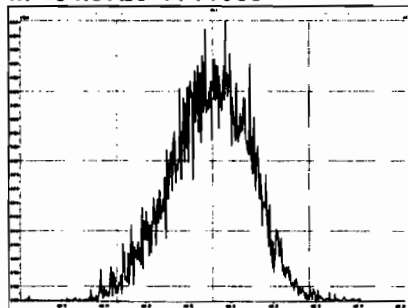
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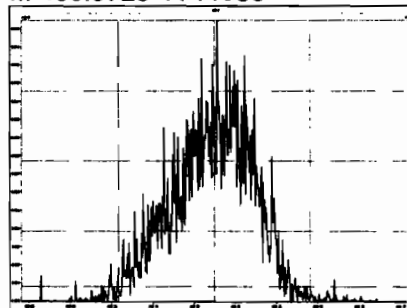
M 442.9728 R 10829



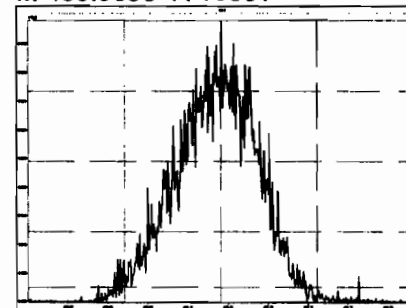
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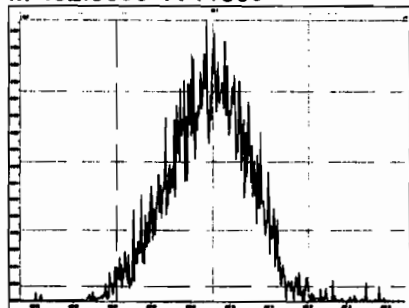
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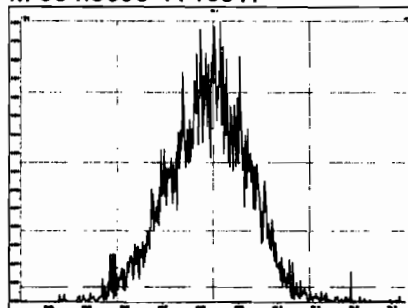
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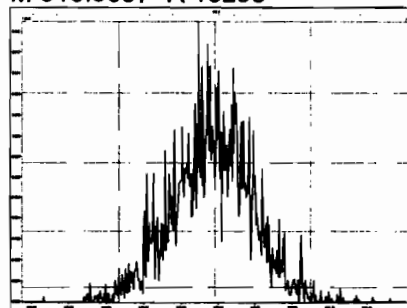
M 492.9696 R 11365



M 504.9696 R 10917



M 516.9697 R 13298



Dataset: Untitled

Last Altered: Tuesday, June 09, 2020 07:31:12 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:31:25 Pacific Daylight Time

Method: Untitled 26 May 2020 10:39:11

Calibration: U:\VG12.PRO\CurveDB\ldb5_1613vg12-5-28-20.cdb 28 May 2020 16:52:08

Name: 200608R2_2, Date: 09-Jun-2020, Time: 00:59:18, ID: ST200608R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1	1,3,6,8-TCDD (First)	22.41
2	1,2,8,9-TCDD (Last)	27.43
3	1,2,4,7,9-PeCDD (First)	29.21
4	1,2,3,8,9-PeCDD (Last)	31.82
5	1,2,4,6,7,9-HxCDD (First)	33.30
6	1,2,3,7,8,9-HxCDD (Last)	35.20
7	1,2,3,4,6,7,9-HpCDD (First)	37.71
8	1,2,3,4,6,7,8-HpCDD (Last)	38.73
9	1,3,6,8-TCDF (First)	20.29
10	1,2,8,9-TCDF (Last)	27.58
11	1,3,4,6,8-PeCDF (First)	27.53
12	1,2,3,8,9-PeCDF (Last)	32.06
13	1,2,3,4,6,8-HxCDF (First)	32.76
14	1,2,3,7,8,9-HxCDF (Last)	35.56
15	1,2,3,4,6,7,8-HpCDF (First)	37.32
16	1,2,3,4,7,8,9-HpCDF (Last)	39.28

Dataset: Untitled

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Printed: Tuesday, June 09, 2020 07:31:25 Pacific Daylight Time

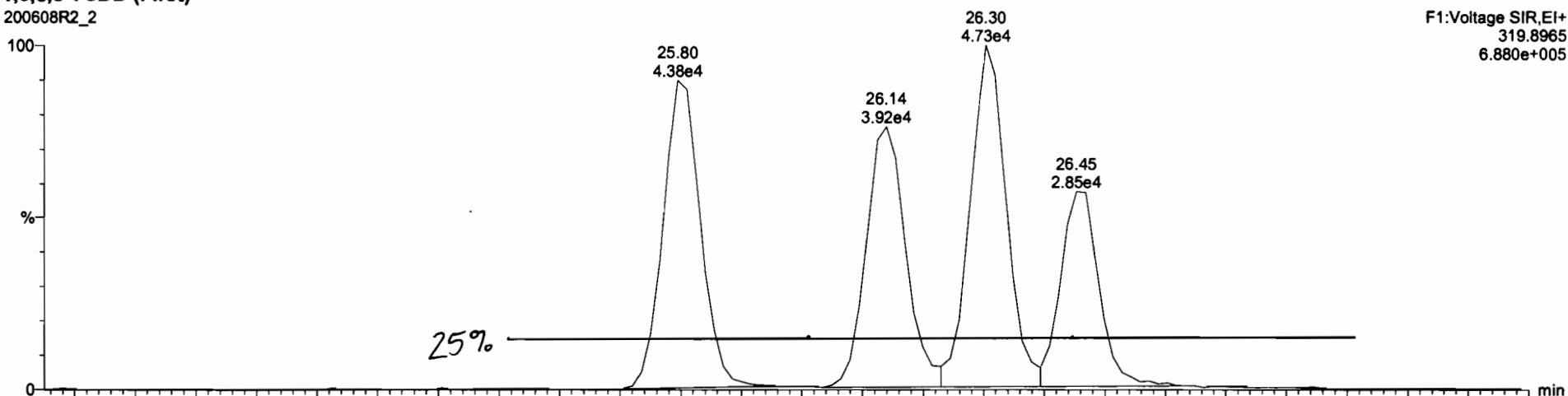
GRB 06/09/2020

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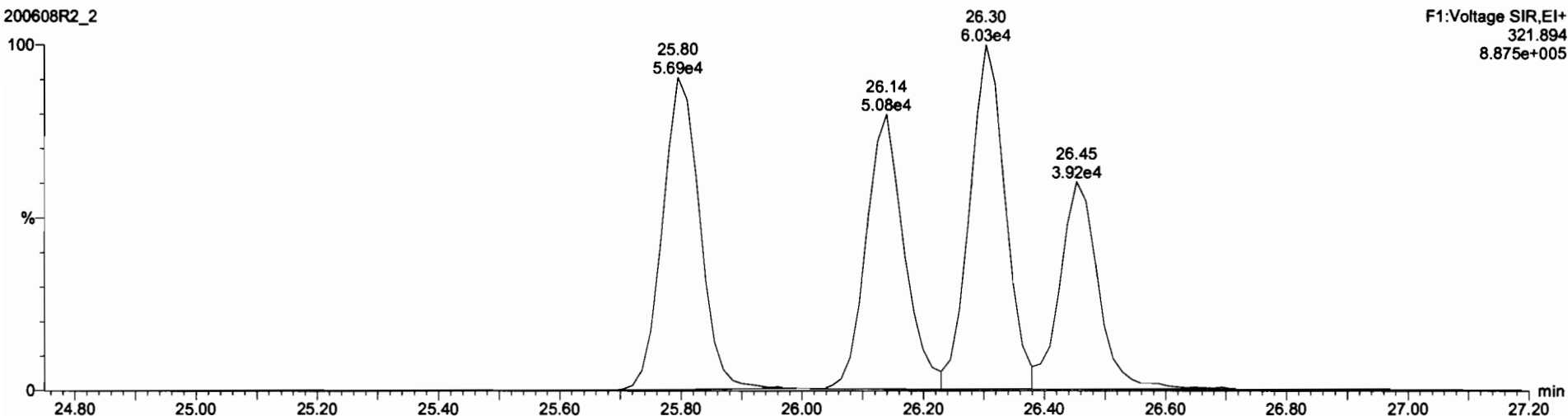
Name: 200608R2_2, Date: 09-Jun-2020, Time: 00:59:18, ID: ST200608R2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,3,6,8-TCDD (First)

200608R2_2



200608R2_2



Dataset: Untitled

Last Altered: Tuesday, June 09, 2020 07:30:07 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 07:30:24 Pacific Daylight Time

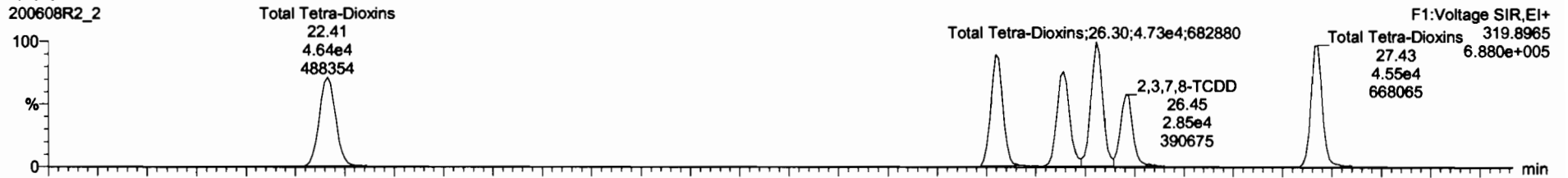
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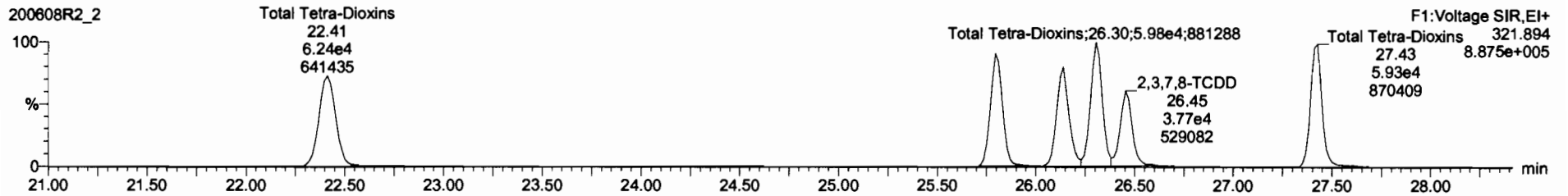
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2,3,7,8-TCDD

200608R2_2

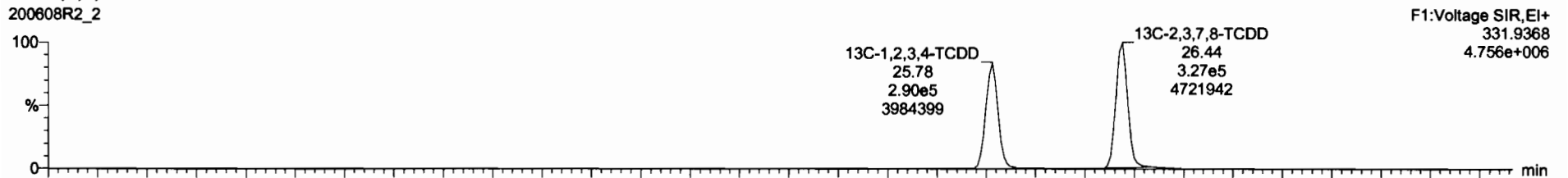


200608R2_2

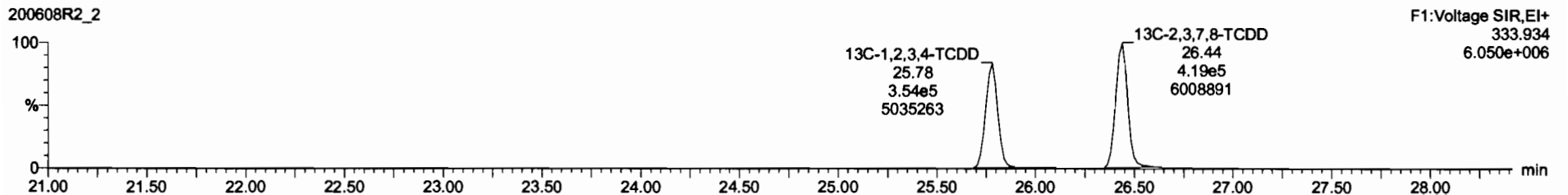


13C-2,3,7,8-TCDD

200608R2_2



200608R2_2



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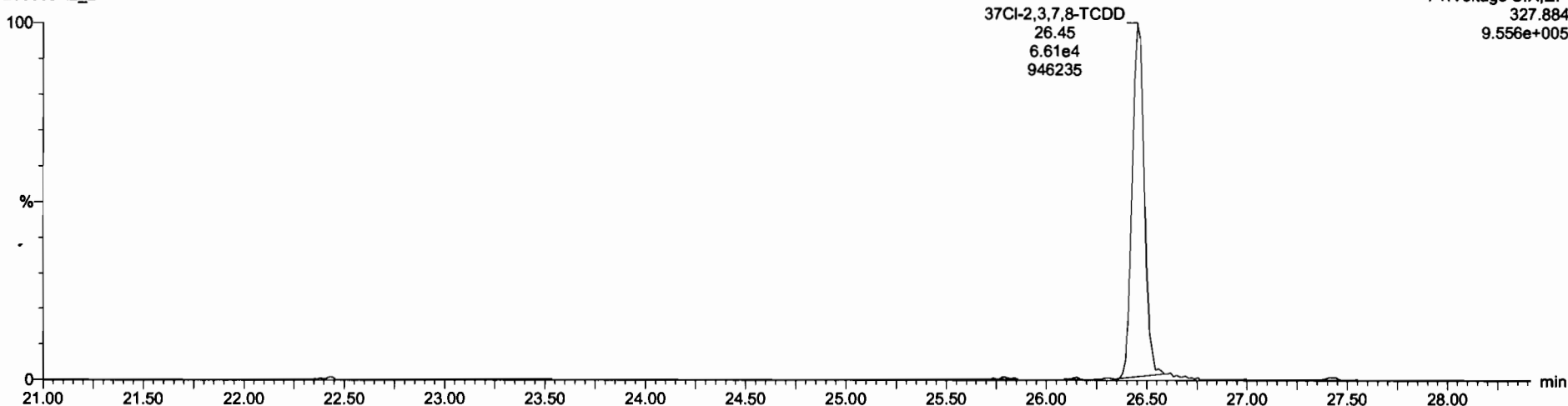
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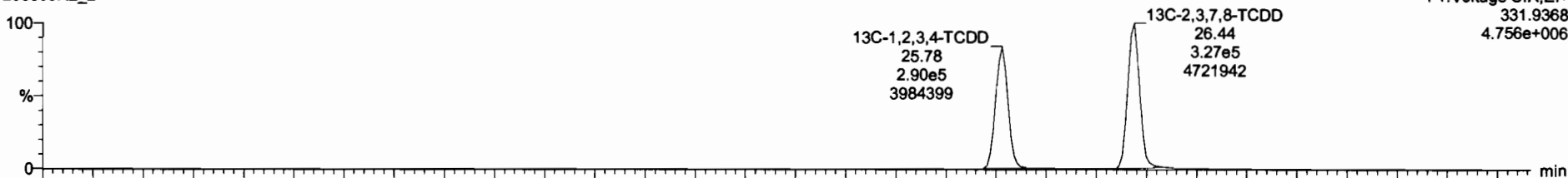
37Cl-2,3,7,8-TCDD

200608R2_2

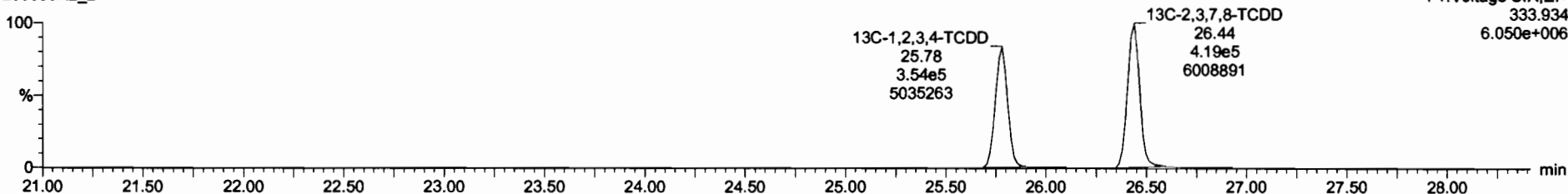


13C-1,2,3,4-TCDD

200608R2_2



200608R2_2



Dataset: Untitled

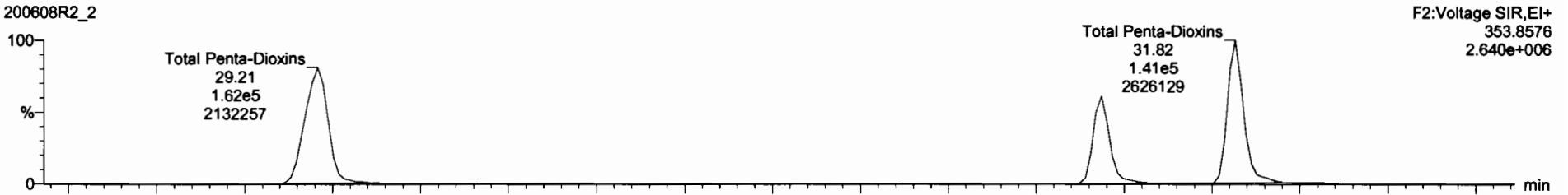
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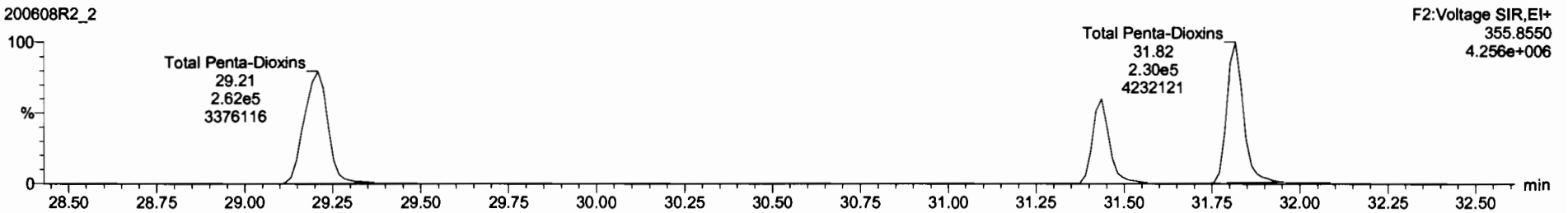
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1,2,3,7,8-PeCDD

200608R2_2

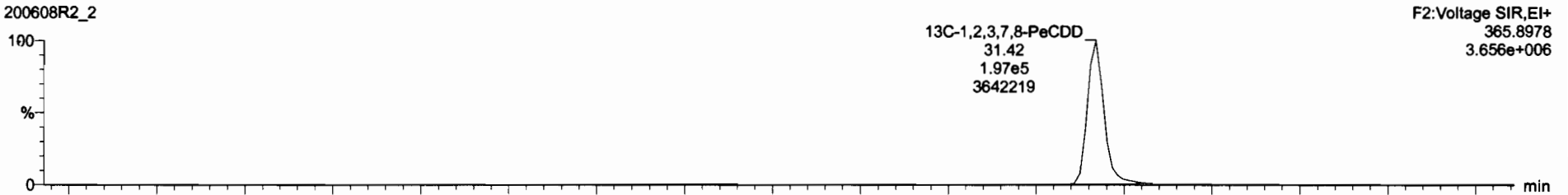


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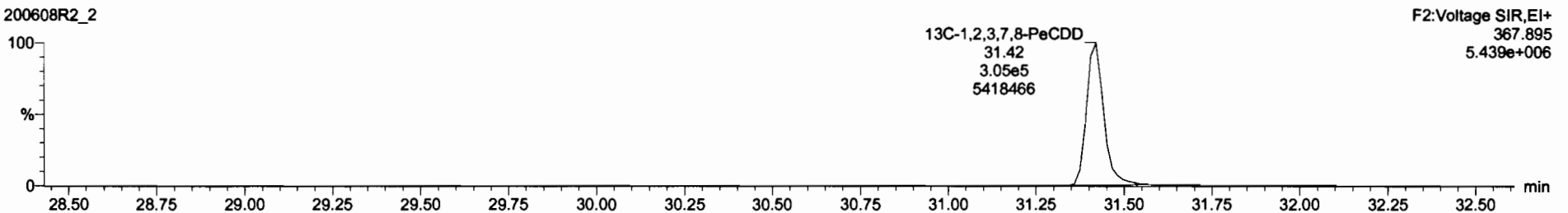


13C-1,2,3,7,8-PeCDD

200608R2_2



200608R2_2



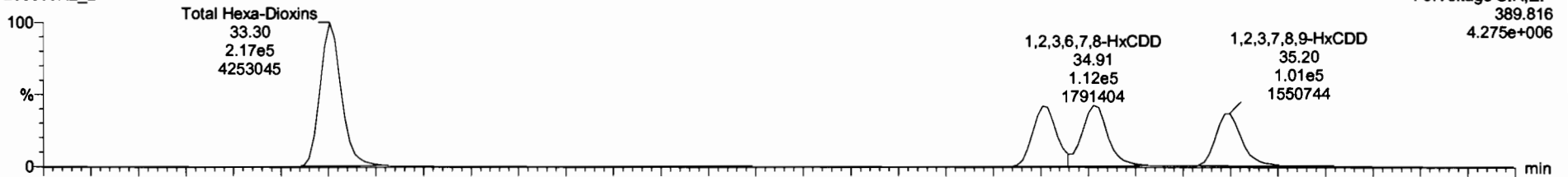
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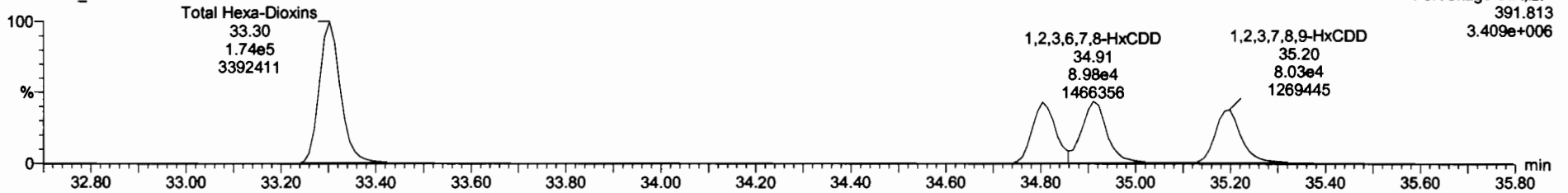
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1,2,3,4,7,8-HxCDD

200608R2_2

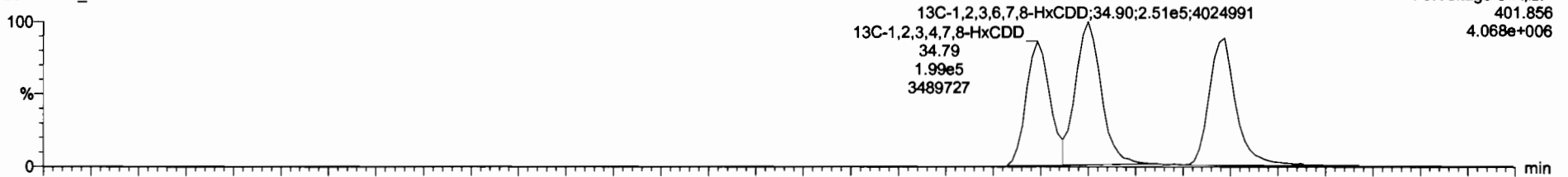


200608R2_2

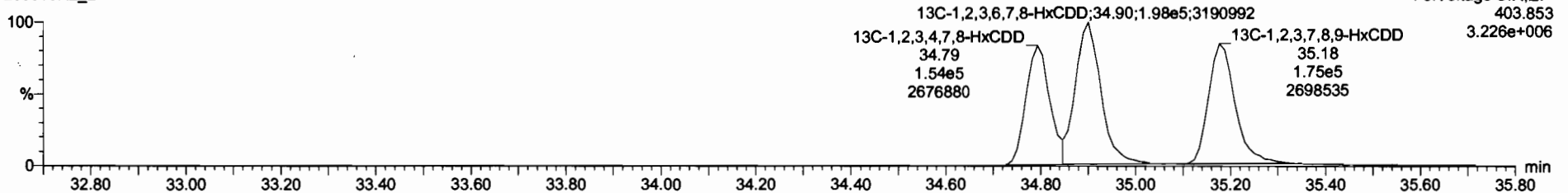


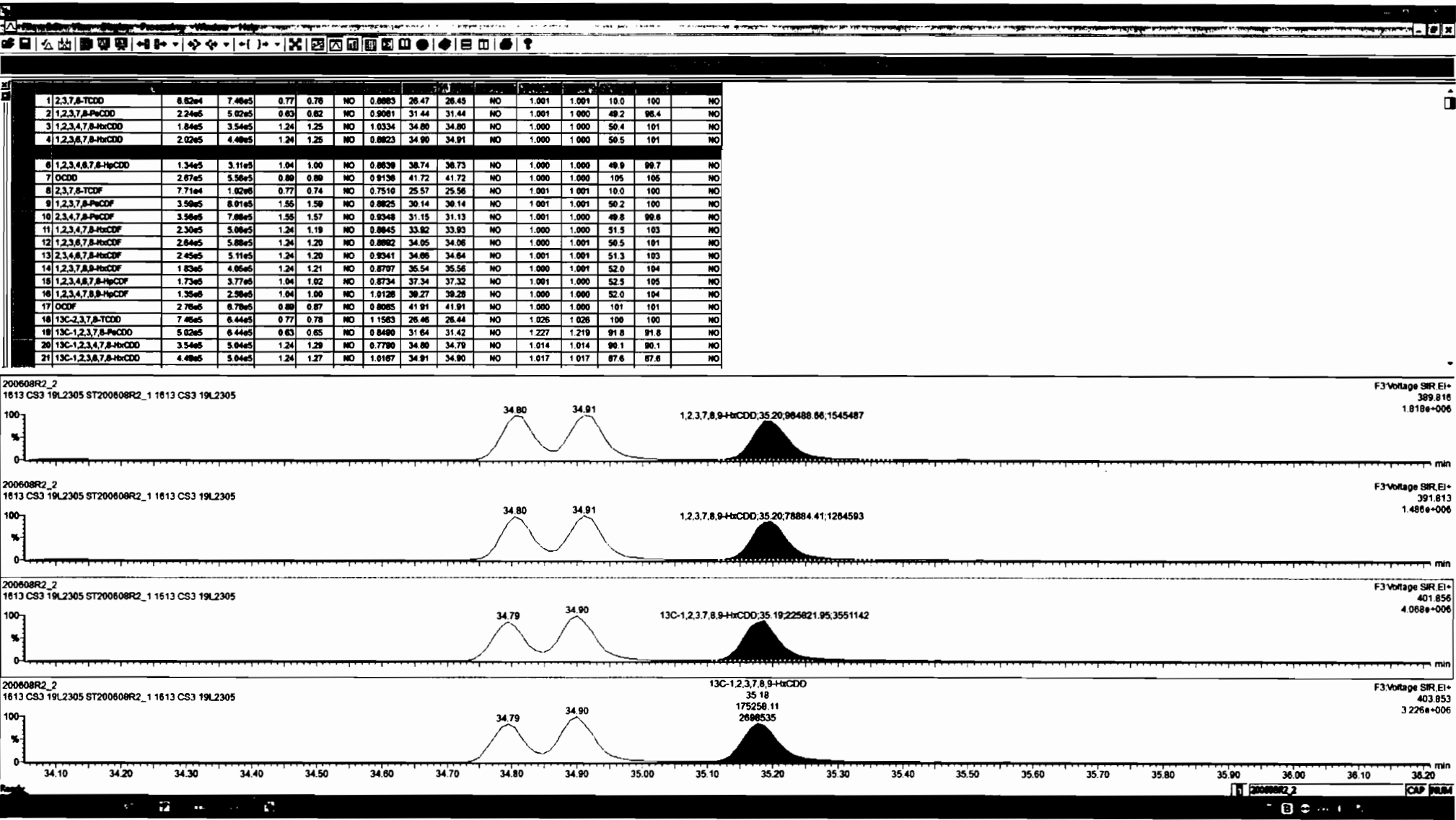
13C-1,2,3,4,7,8-HxCDD

200608R2_2



200608R2_2





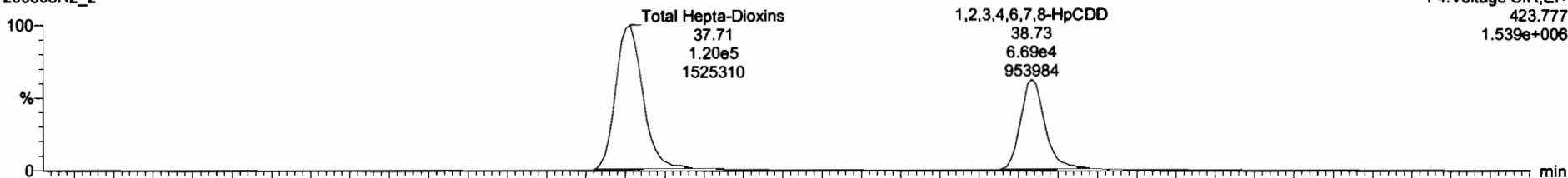
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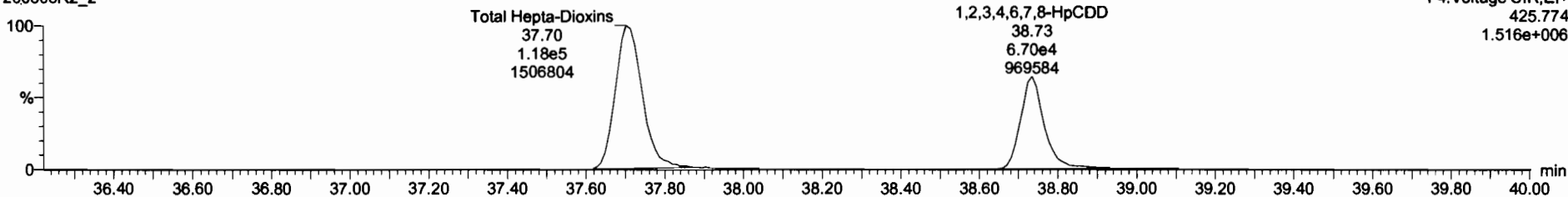
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1,2,3,4,6,7,8-HpCDD

200608R2_2

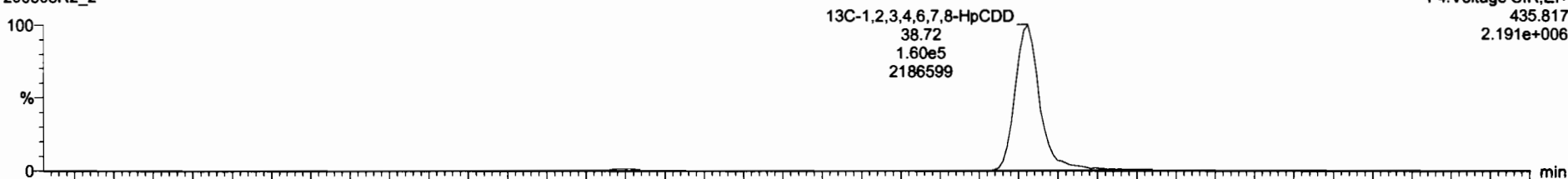


200608R2_2

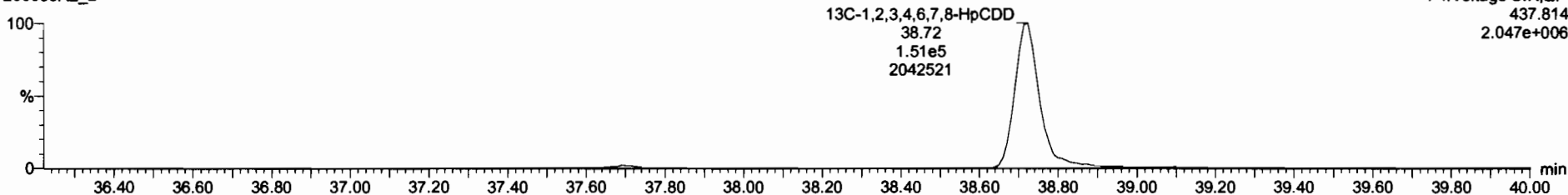


13C-1,2,3,4,6,7,8-HpCDD

200608R2_2



200608R2_2



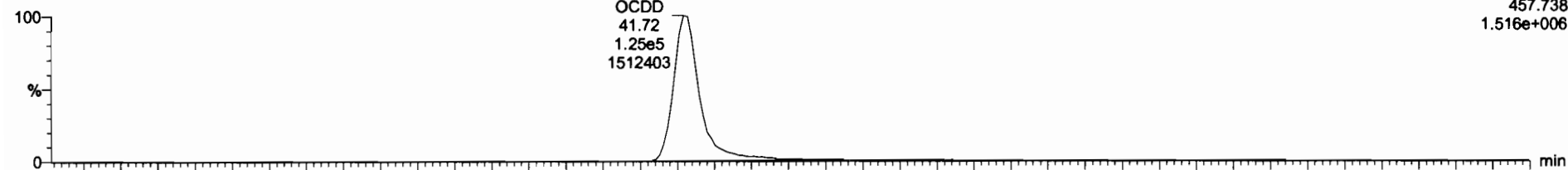
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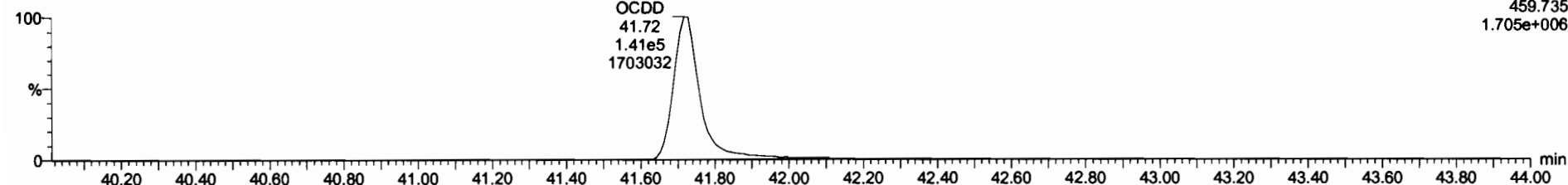
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OCDD

200608R2_2

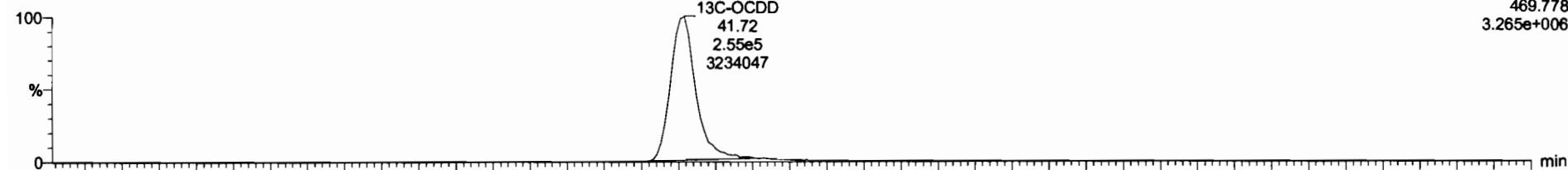


200608R2_2

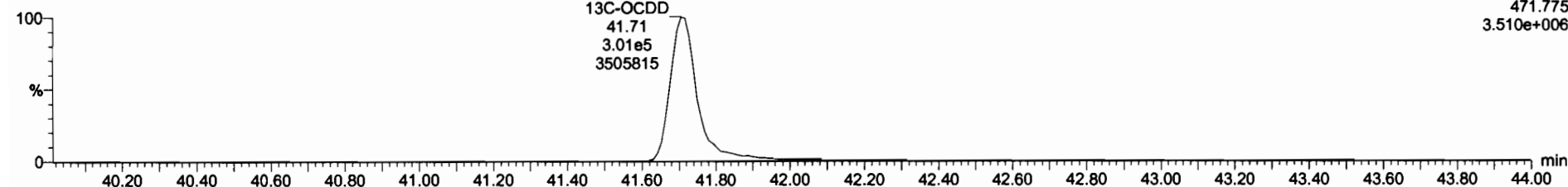


13C-OCDD

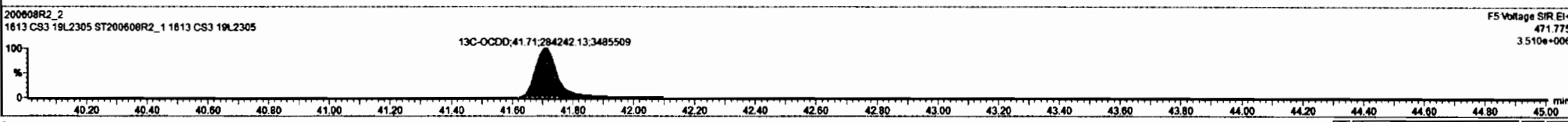
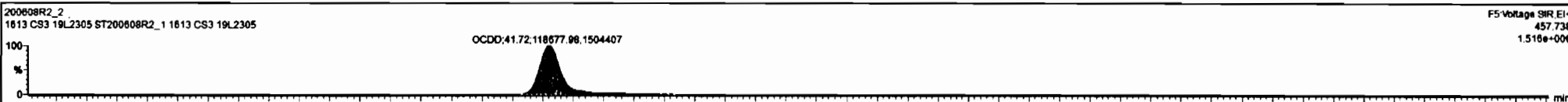
200608R2_2



200608R2_2



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2	1,2,3,7,8-PeCDD	2.24e5	5.82e5	0.83	0.82	NO	0.9081	31.44	31.44	NO	1.001	1.000	49.2	98.4	NO
3	1,2,3,4,7,8-HxCDD	1.84e5	3.54e5	1.24	1.25	NO	1.8334	34.80	34.80	NO	1.000	1.000	50.4	101	NO
4	1,2,3,6,7,8-HxCDD	2.02e5	4.49e5	1.24	1.25	NO	0.8823	34.90	34.91	NO	1.000	1.000	50.5	101	NO
5	1,2,3,7,8,9-HxCDD	1.77e5	4.01e5	1.24	1.25	NO	0.8889	35.20	35.20	NO	1.000	1.000	49.9	99.7	NO
6	1,2,3,4,6,7,8-HpCDD	1.34e5	3.11e5	1.04	1.00	NO	0.8638	38.74	38.73	NO	1.000	1.000	49.9	99.7	NO
8	2,3,7,8-TCDF	7.71e4	1.62e6	0.77	0.74	NO	0.7510	25.57	25.56	NO	1.001	1.001	10.0	100	NO
9	1,2,3,7,8-PeCDF	3.58e5	8.01e5	1.55	1.50	NO	0.8825	30.14	30.14	NO	1.001	1.001	50.2	100	NO
10	2,3,4,7,8-PeCDF	3.98e5	7.88e5	1.56	1.57	NO	0.9348	31.15	31.13	NO	1.001	1.000	49.8	99.6	NO
11	1,2,3,4,7,8-HxCDF	2.30e5	5.06e5	1.24	1.19	NO	0.8845	33.82	33.83	NO	1.000	1.000	51.5	103	NO
12	1,2,3,6,7,8-HxCDF	2.84e5	5.88e5	1.24	1.20	NO	0.8882	34.05	34.06	NO	1.000	1.001	50.5	101	NO
13	2,3,4,6,7,8-HxCDF	2.45e5	5.11e5	1.24	1.20	NO	0.9341	34.68	34.64	NO	1.001	1.001	51.3	103	NO
14	1,2,3,7,8,9-HxCDF	1.83e5	4.05e5	1.24	1.21	NO	0.8707	35.54	35.56	NO	1.000	1.001	52.0	104	NO
15	1,2,3,4,6,7,8-HpCDF	1.73e5	3.77e5	1.04	1.02	NO	0.8734	37.34	37.32	NO	1.001	1.000	52.0	105	NO
16	1,2,3,4,7,8,9-HpCDF	1.35e5	2.58e5	1.04	1.00	NO	1.0128	39.27	39.28	NO	1.000	1.000	52.0	104	NO
17	OCDF	2.78e5	6.78e5	0.80	0.87	NO	0.8085	41.91	41.91	NO	1.000	1.000	101	101	NO
18	13C-2,3,7,8-TCDD	7.46e5	8.44e5	0.77	0.78	NO	1.1563	26.46	26.44	NO	1.026	1.026	100	100	NO
19	13C-1,2,3,7,8-PeCDD	5.02e5	8.44e5	0.83	0.85	NO	0.9480	31.64	31.42	NO	1.227	1.219	91.8	91.8	NO
20	13C-1,2,3,4,7,8-HxCDD	3.54e5	5.84e5	1.24	1.29	NO	0.7790	34.80	34.79	NO	1.014	1.014	90.1	90.1	NO
21	13C-1,2,3,6,7,8-HxCDD	4.49e5	5.94e5	1.24	1.27	NO	1.0187	34.91	34.90	NO	1.017	1.017	87.6	87.6	NO



Dataset: Untitled

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Printed: Tuesday, June 09, 2020 07:30:24 Pacific Daylight Time

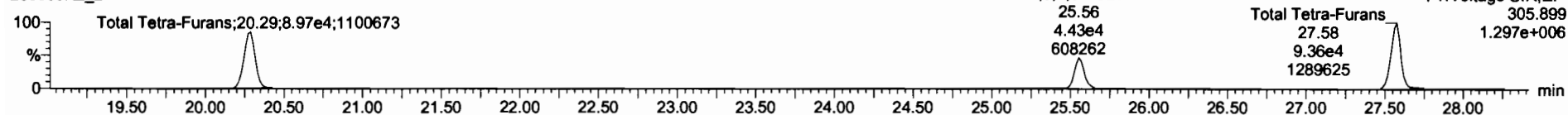
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2,3,7,8-TCDF

200608R2_2

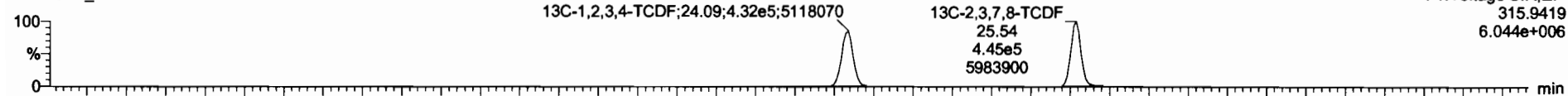


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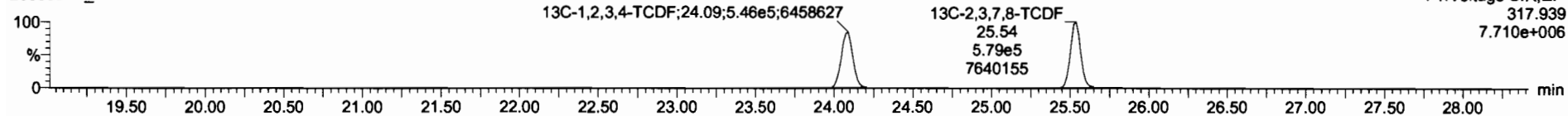


13C-2,3,7,8-TCDF

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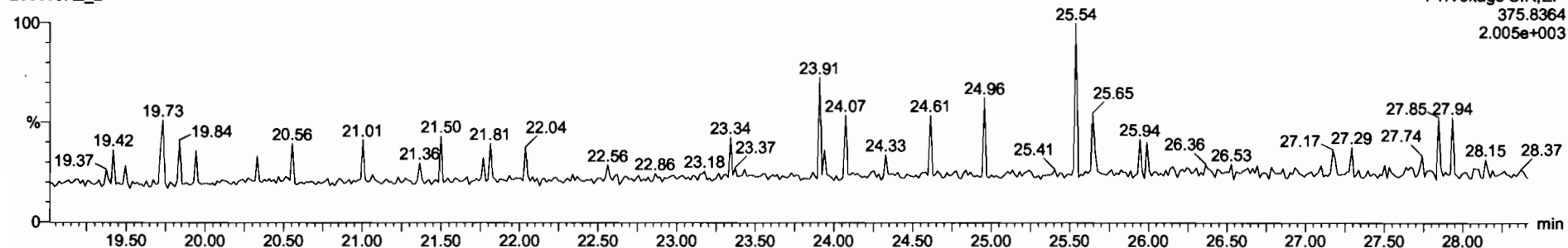


200608R2_2



DPE1

200608R2_2



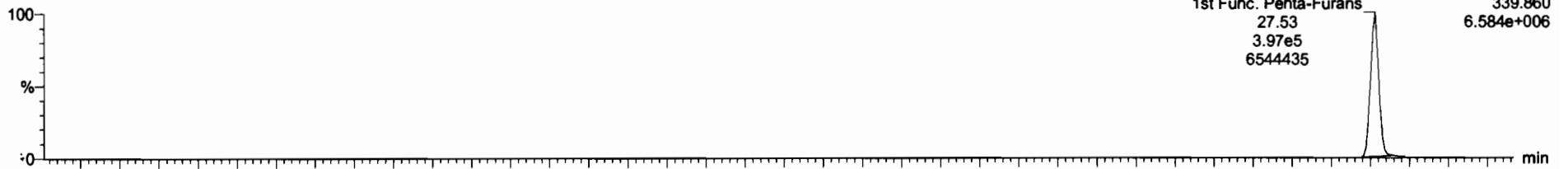
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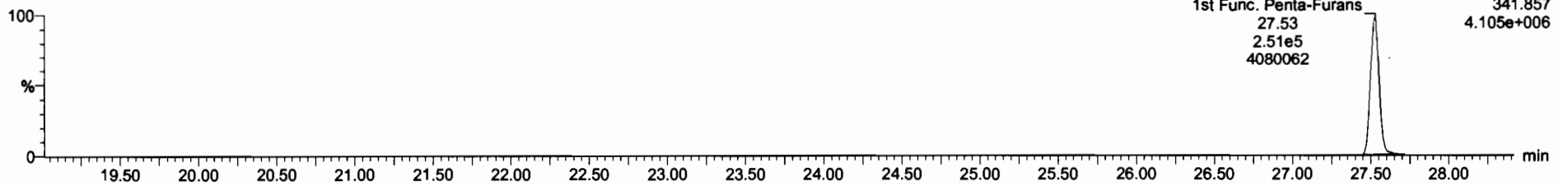
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200608R2_2

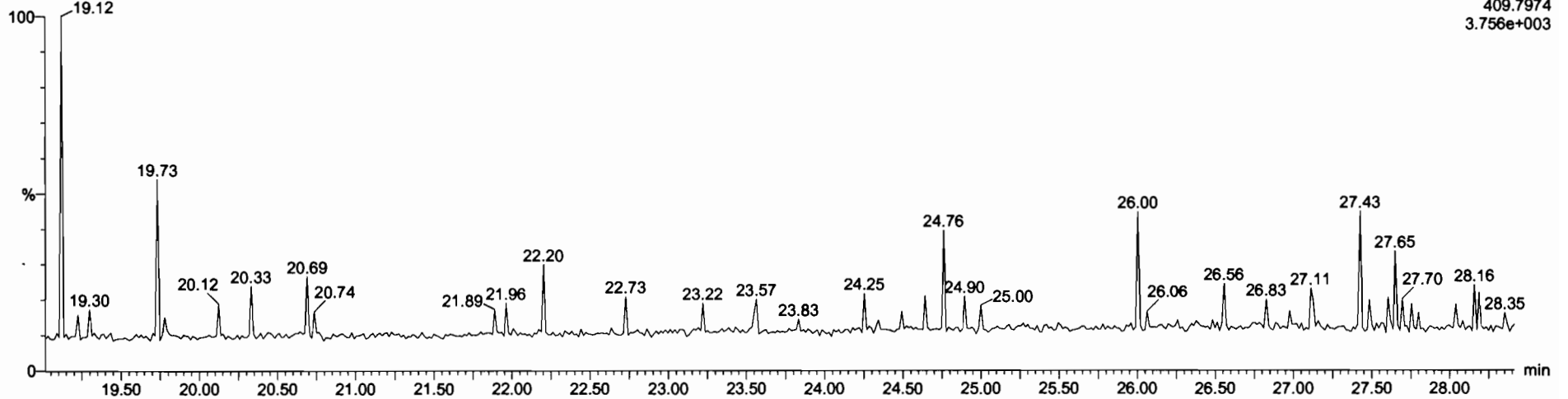


200608R2_2



DPE6

200608R2_2



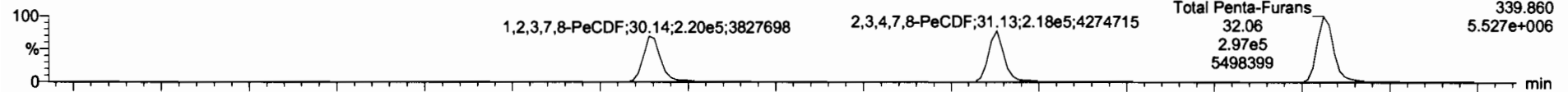
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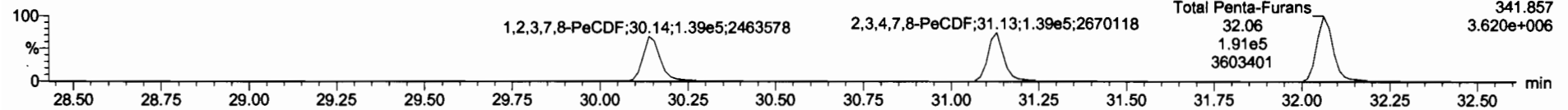
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1,2,3,7,8-PeCDF

200608R2_2

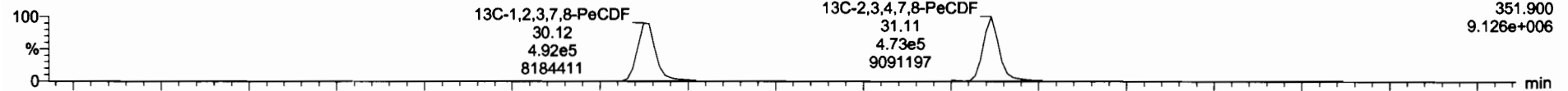


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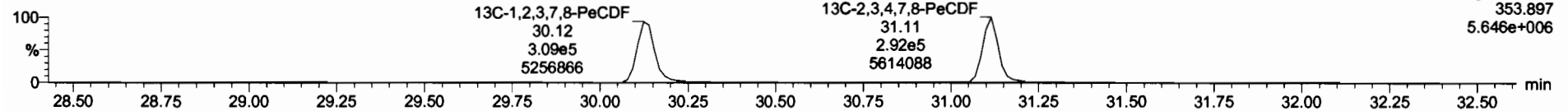


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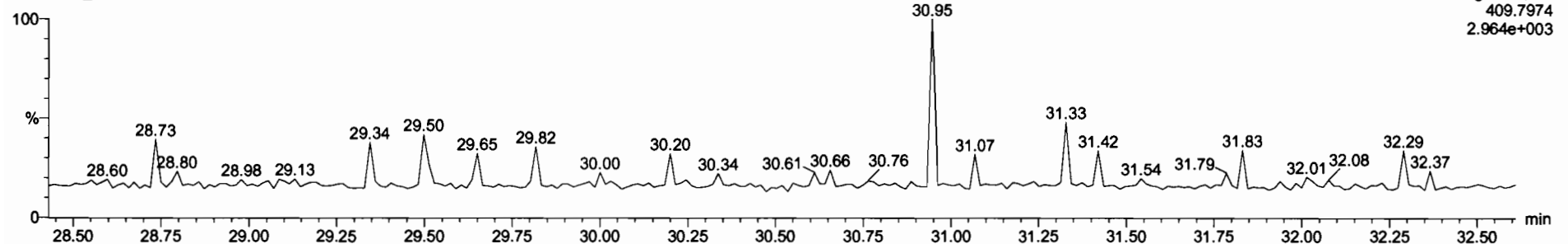


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DPE2

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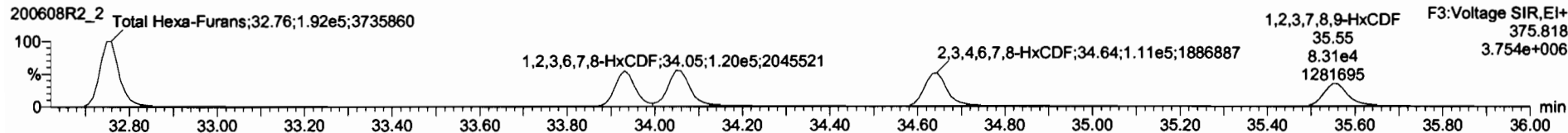
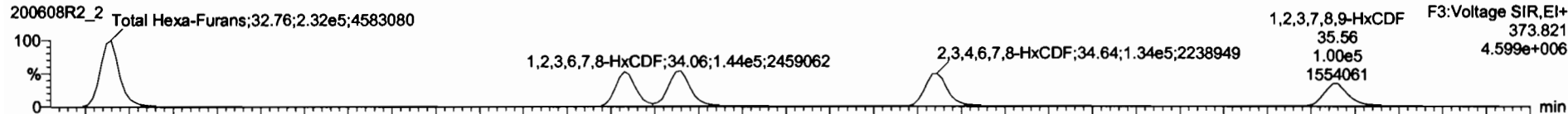


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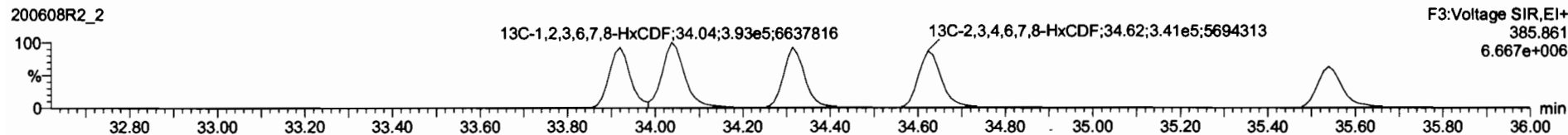
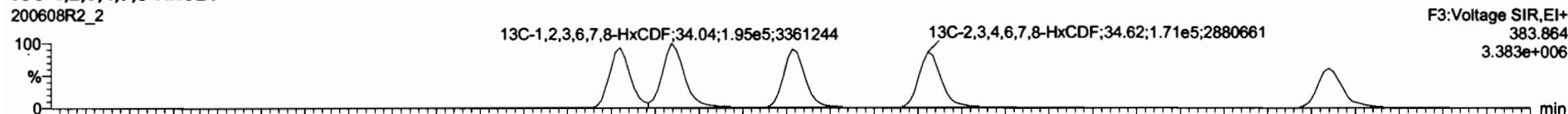
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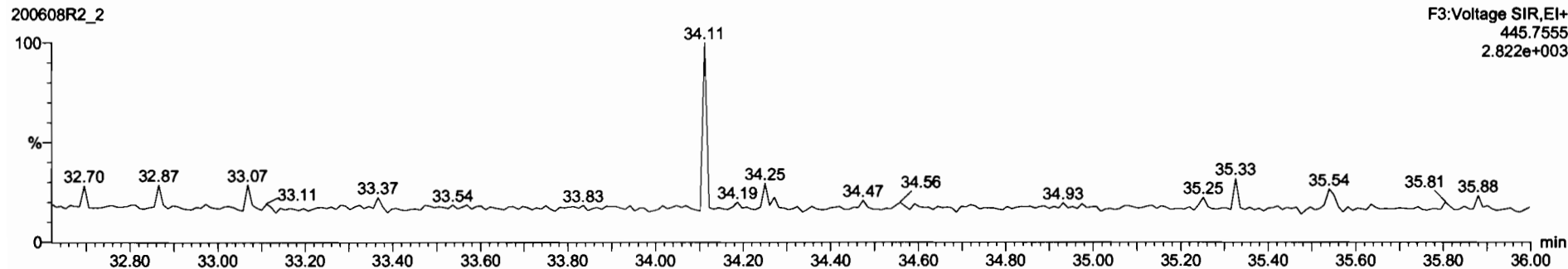
1,2,3,4,7,8-HxCDF



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



DPE3

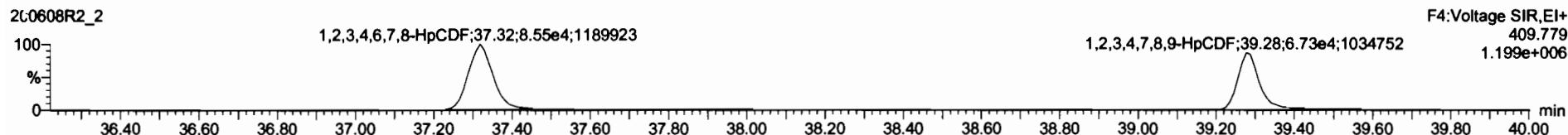


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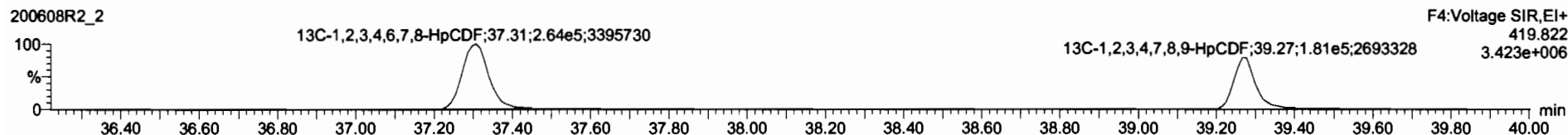
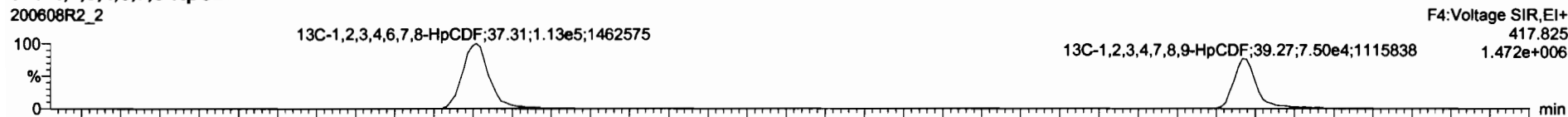
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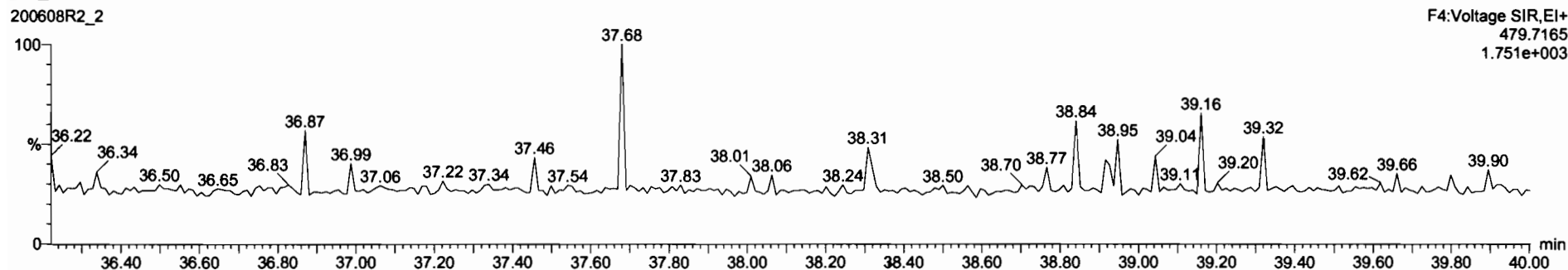
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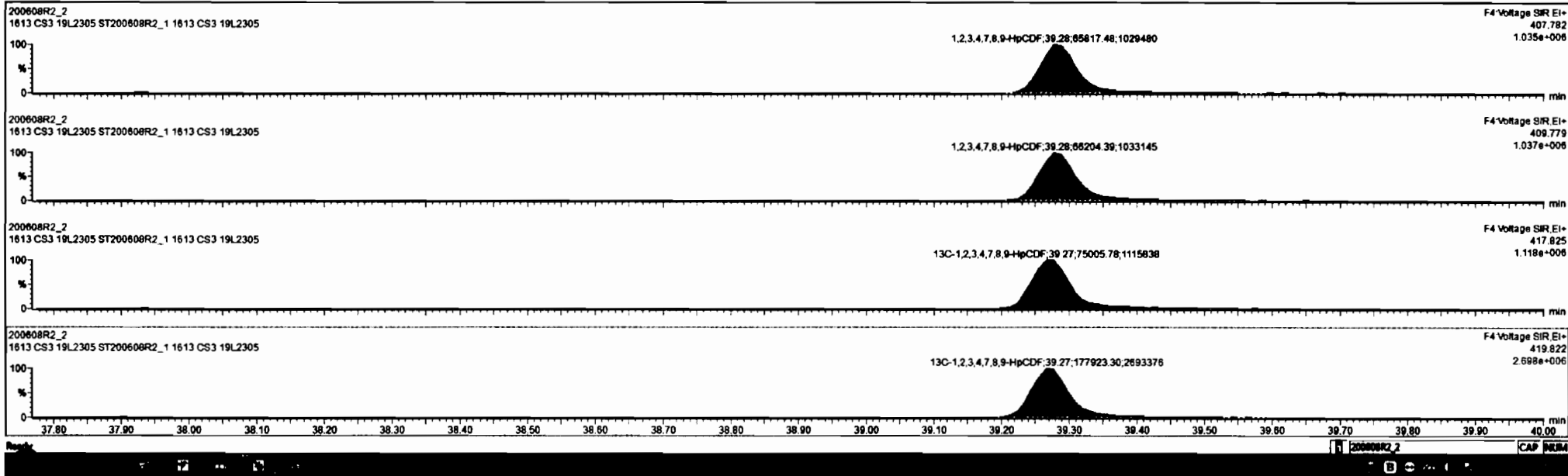
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DPE4



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2	1,2,3,7,8-PeCDD	2.24e5	5.82e5	0.83	0.82	NO	0.9081	31.44	31.44	NO	1.001	1.000	49.2	98.4	NO
3	1,2,3,4,7,8-HxCDD	1.84e5	3.54e5	1.24	1.25	NO	1.0334	34.80	34.80	NO	1.000	1.000	50.4	101	NO
4	1,2,3,6,7,8-HxCDD	2.02e5	4.49e5	1.24	1.25	NO	0.8823	34.90	34.91	NO	1.000	1.000	50.5	101	NO
5	1,2,3,7,8,9-HxCDD	1.77e5	4.91e5	1.24	1.25	NO	0.8889	35.20	35.20	NO	1.000	1.000	49.9	99.7	NO
6	1,2,3,4,6,7,8-HpCDD	1.34e5	3.11e5	1.94	1.00	NO	0.8839	38.74	38.73	NO	1.000	1.000	49.9	99.7	NO
7	OCDD	2.51e5	5.38e5	0.80	0.80	NC	0.9138	41.72	41.72	NO	1.000	1.000	102	102	NO
8	2,3,7,8-TCDF	7.71e4	1.02e5	0.77	0.74	NO	0.7510	25.57	25.56	NO	1.001	1.001	10.0	100	NO
9	1,2,3,7,8-PeCDF	3.59e5	8.01e5	1.55	1.58	NO	0.8925	30.14	30.14	NO	1.001	1.001	50.2	100	NO
10	2,3,4,7,8-HxCDF	3.98e5	7.89e5	1.56	1.57	NO	0.9348	31.15	31.13	NO	1.001	1.000	49.8	99.8	NO
11	1,2,3,4,7,8-HxCDF	2.30e5	5.08e5	1.24	1.19	NO	0.8845	33.92	33.93	NO	1.000	1.000	51.5	103	NO
12	1,2,3,6,7,8-HxCDF	2.04e5	5.88e5	1.24	1.20	NO	0.8882	34.05	34.08	NO	1.000	1.001	50.5	101	NO
13	2,3,4,6,7,8-HxCDF	2.45e5	5.11e5	1.24	1.20	NO	0.9341	34.88	34.84	NO	1.001	1.001	51.3	103	NO
14	1,2,3,7,8,9-HxCDF	1.83e5	4.05e5	1.24	1.21	NO	0.8707	35.54	35.56	NO	1.000	1.001	52.0	104	NO
15	1,2,3,4,6,7,8-HpCDF	1.73e5	3.77e5	1.94	1.02	NO	0.8734	37.34	37.32	NO	1.001	1.000	52.5	105	NO
17	OCDF	2.78e5	6.79e5	0.80	0.87	NO	0.8895	41.91	41.91	NO	1.000	1.000	101	101	NO
18	13C-2,3,7,8-TCDD	7.46e5	8.44e5	0.77	0.78	NO	1.1563	28.46	28.44	NO	1.026	1.026	100	100	NO
19	13C-1,2,3,7,8-PeCDD	5.02e5	8.44e5	0.83	0.85	NO	0.8480	31.64	31.42	NO	1.227	1.219	91.8	91.8	NO
20	13C-1,2,3,4,7,8-HxCDD	3.54e5	5.04e5	1.24	1.29	NO	0.7790	34.80	34.79	NO	1.014	1.014	90.1	90.1	NO
21	13C-1,2,3,6,7,8-HxCDD	4.49e5	5.94e5	1.24	1.27	NO	1.0167	34.91	34.90	NO	1.017	1.017	87.6	87.6	NO



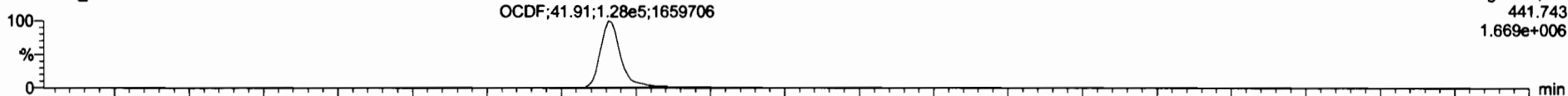
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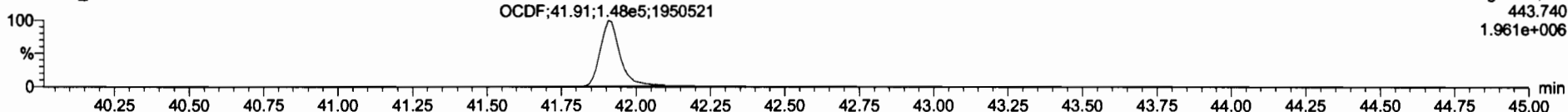
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OCDF

200608R2_2

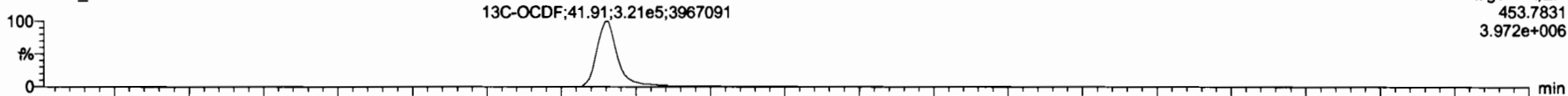


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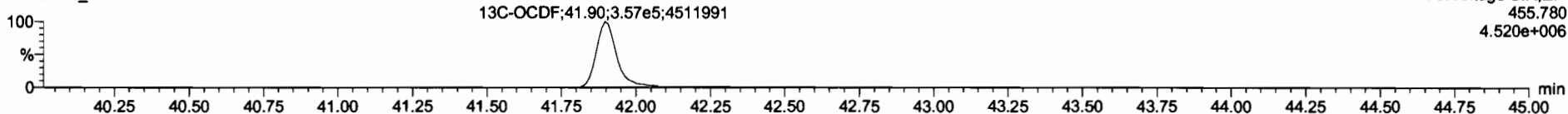


13C-OCDF

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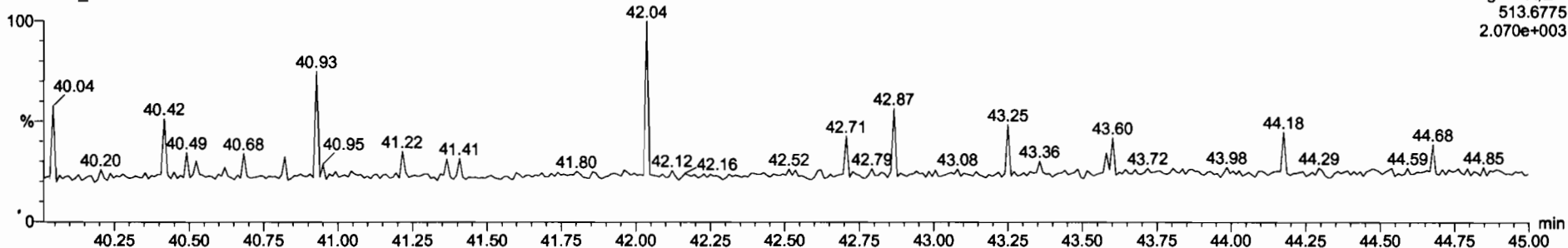


200608R2_2



DPE5

200608R2_2



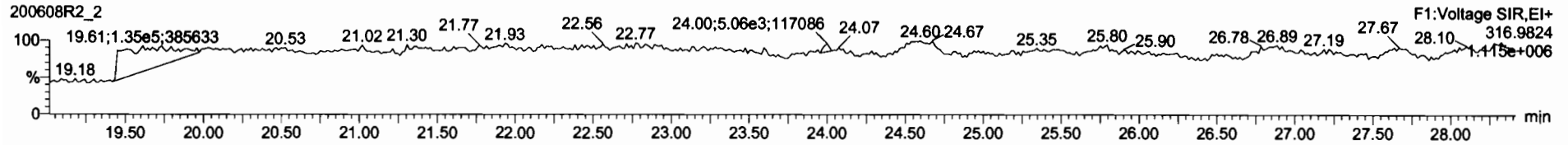
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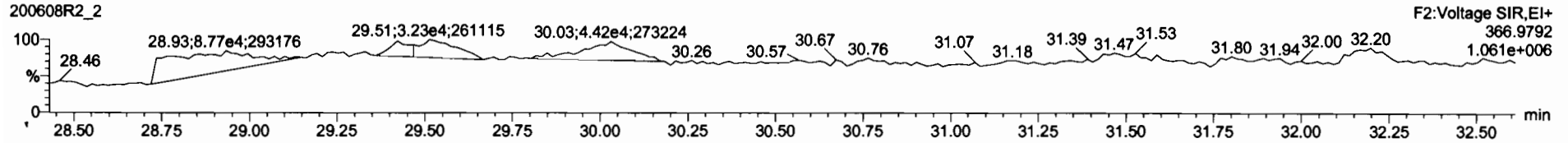
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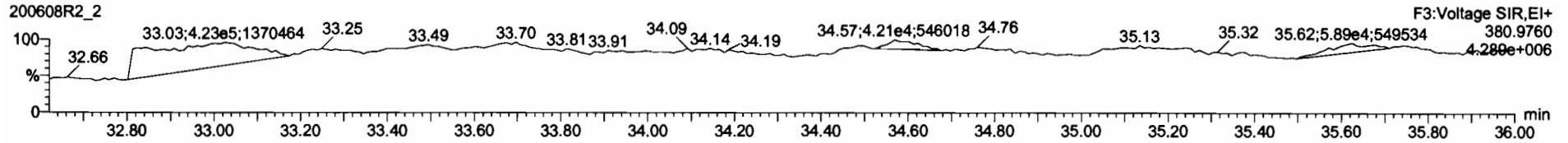
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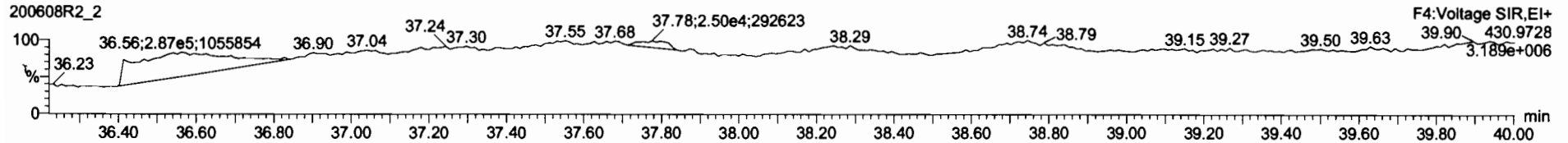
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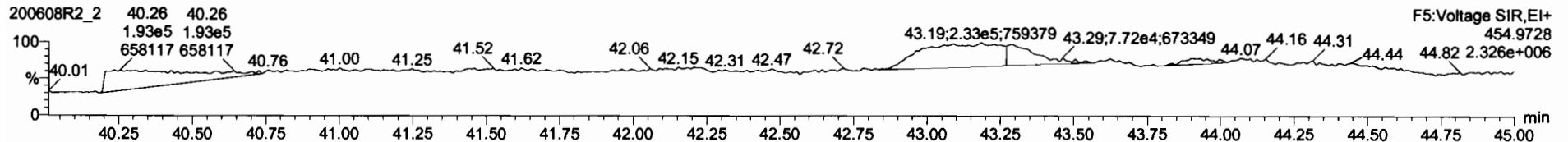
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PFK4

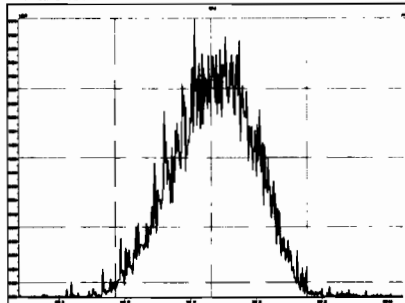


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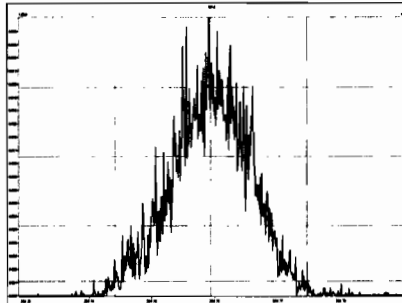


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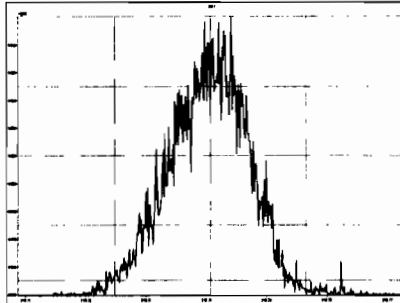
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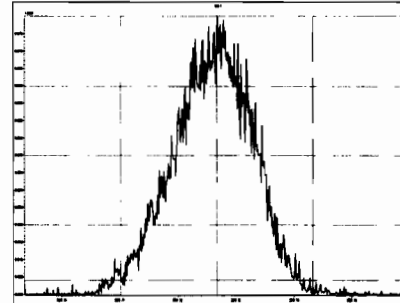
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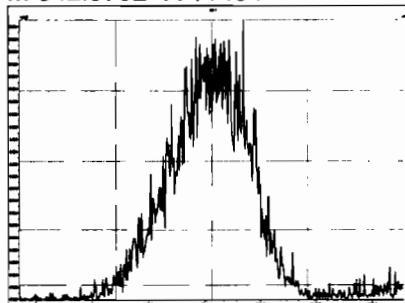
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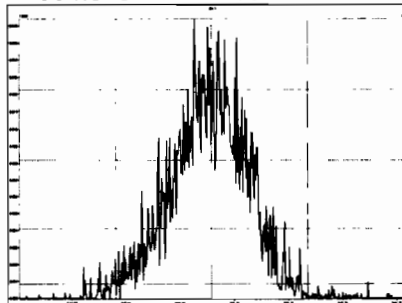
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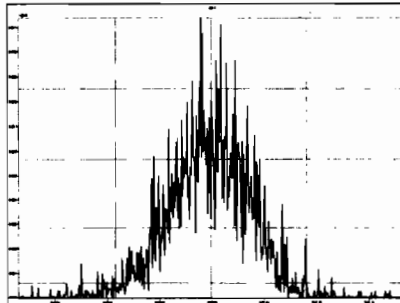
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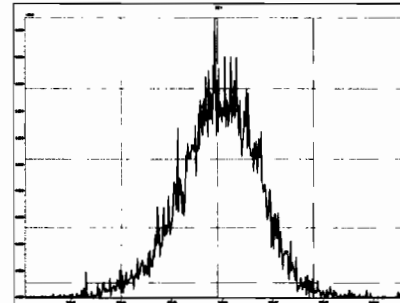
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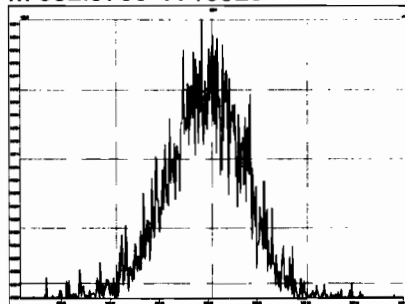
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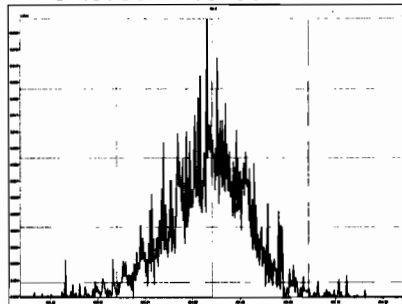
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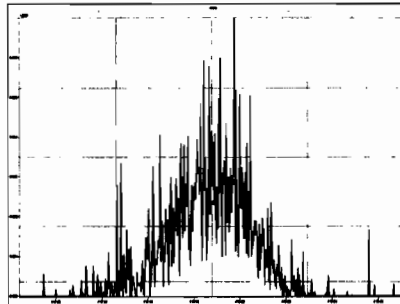
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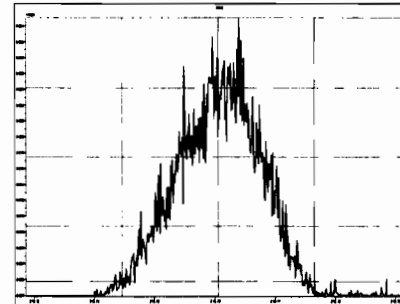
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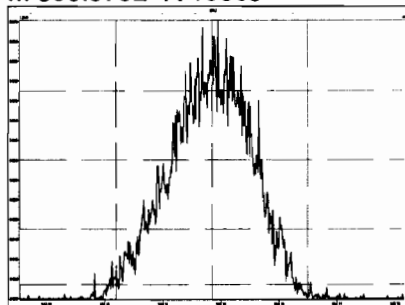


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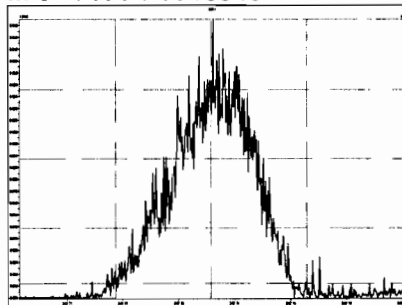


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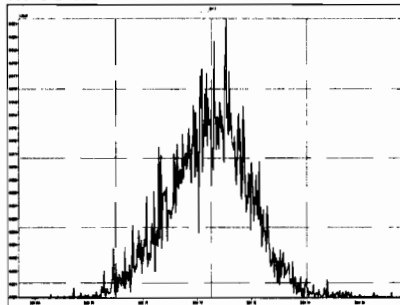
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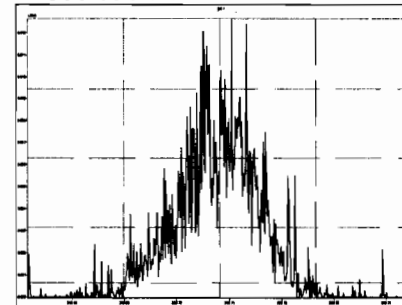
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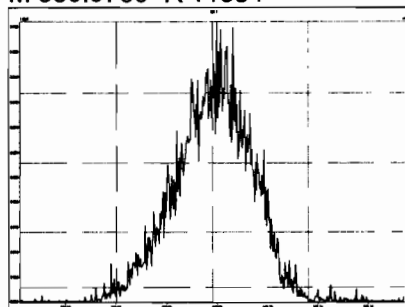
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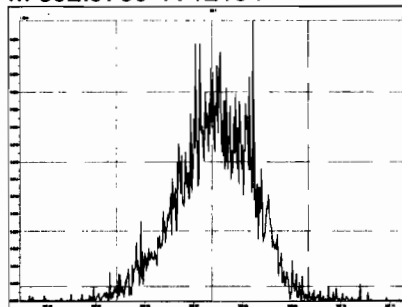
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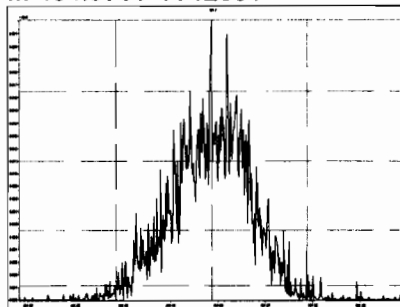
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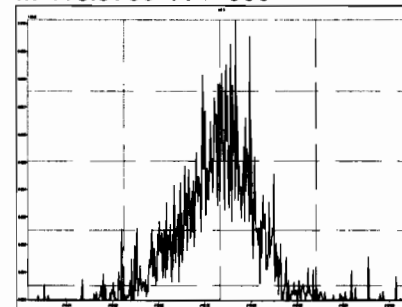
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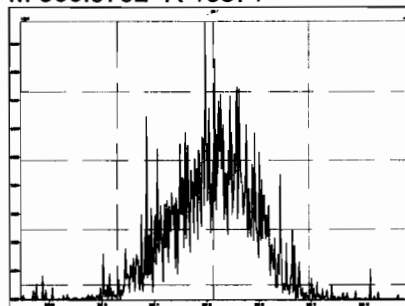
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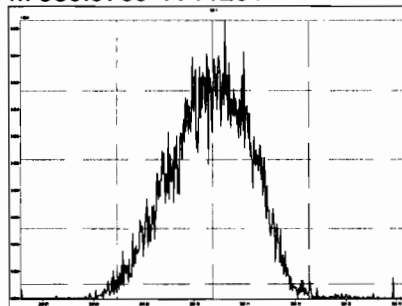
M 416.9760 R 14066



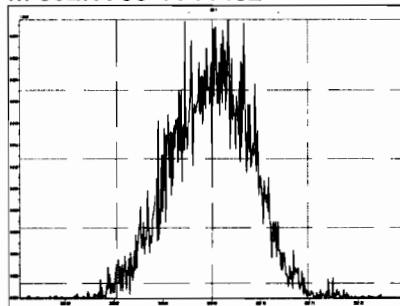
M 366.9792 R 13871



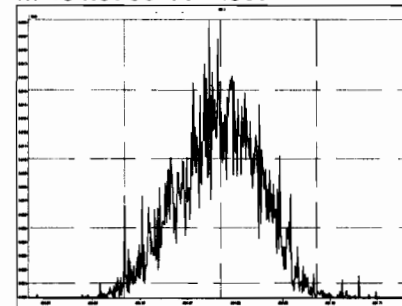
M 380.9760 R 11261



M 392.9760 R 11482

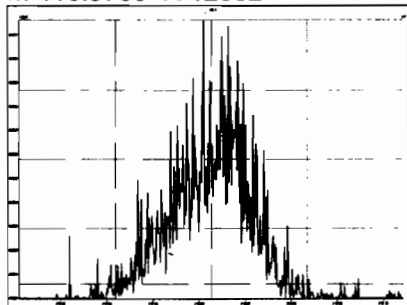


M 404.9760 R 12087

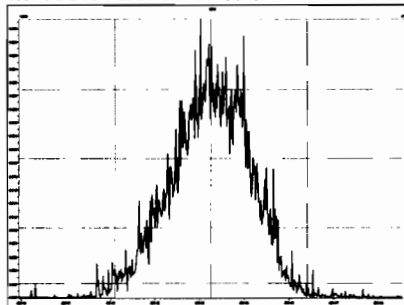


Printed: Tuesday, June 09, 2020 09:36:46 Pacific Daylight Time

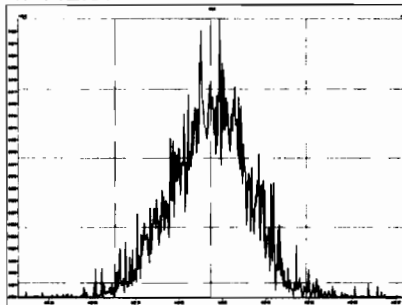
M 416.9760 R 12582



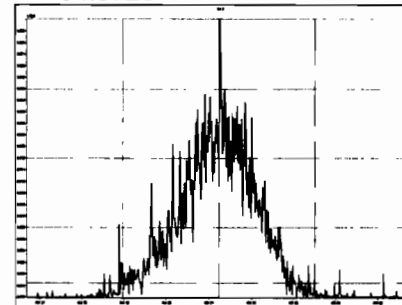
M 430.9728 R 11471



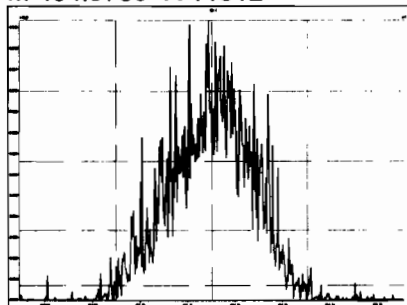
M 442.9728 R 12603



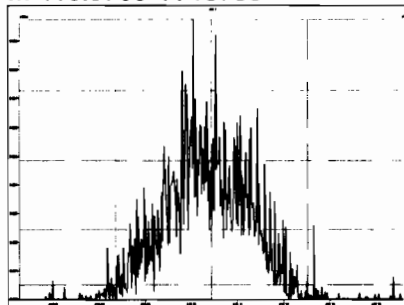
M 454.9728 R 13160



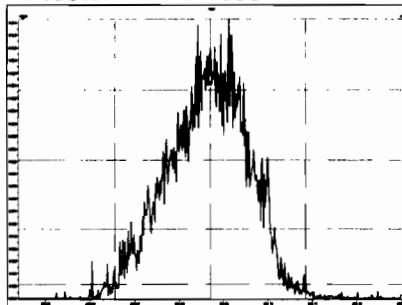
M 404.9760 R 11312



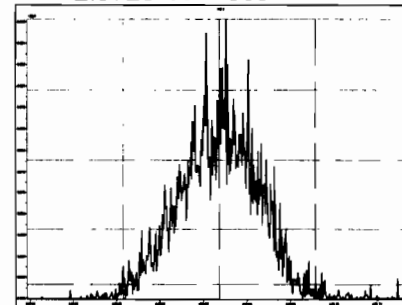
M 416.9760 R 13753



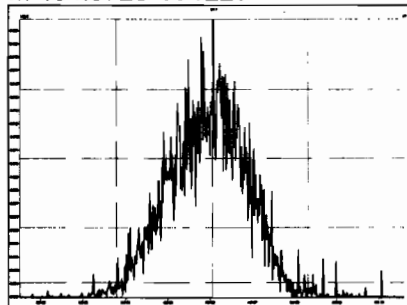
M 430.9728 R 11163



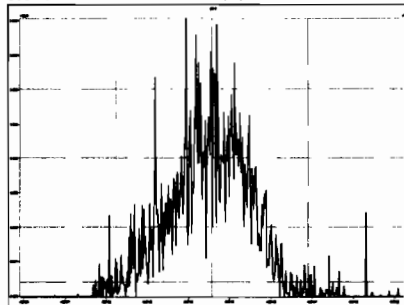
M 442.9728 R 11569



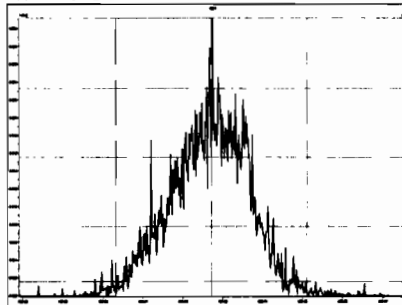
M 454.9728 R 12201



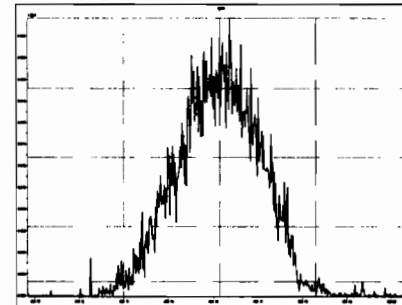
M 466.9728 R 15957



M 480.9696 R 12345

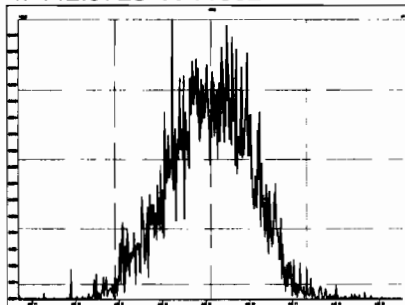


M 430.9728 R 11600

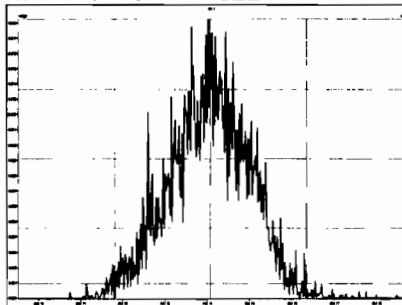


Printed: Tuesday, June 09, 2020 09:36:46 Pacific Daylight Time

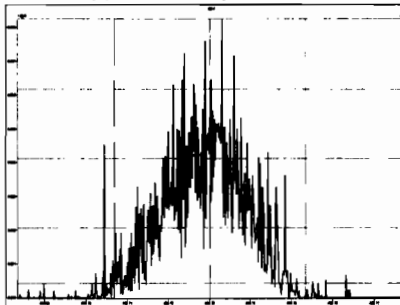
M 442.9728 R 11662



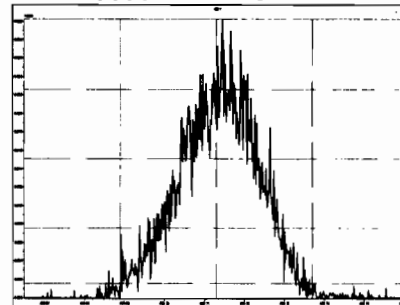
M 454.9728 R 12322



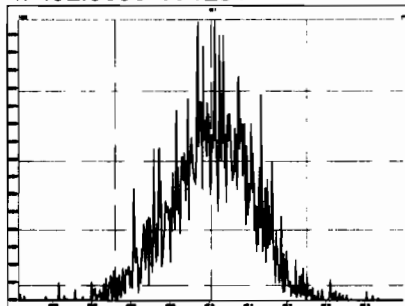
M 466.9728 R 12577



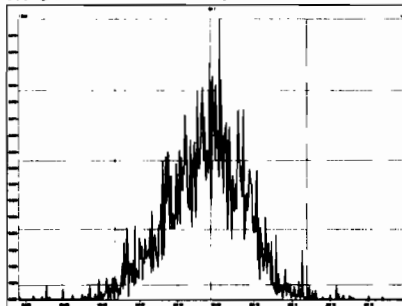
M 480.9696 R 12078



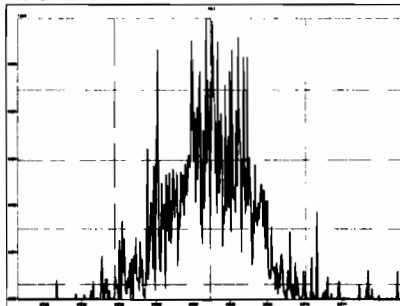
M 492.9696 R 12811



M 504.9696 R 13561



M 516.9697 R 15163



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200609D1-1

Reviewed By: CT 06/10/2020
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"/> V
- Samples within 12 hour clock?	<input type="checkbox"/> (Y)	<input type="checkbox"/> N
- Bottle position verified?	<u>DB</u>	<u>DB</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:\VG7.PRO\Results\200609D1\200609D1_2.qld

Last Altered: Tuesday, June 09, 2020 14:23:22 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 14:24:46 Pacific Daylight Time

DB 6/9/20 (706/10/2020)

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: 200609D1_2, Date: 09-Jun-2020, Time: 14:01:10, ID: ST200609D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	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	1.90e3	0.81	NO	0.982	1.000	17.631	17.65	1.000	1.002	8.4344	84.3 <i>84-120</i>	0.919	8.43
2	2 13C-2,3,7,8-TCDF	2.30e4	0.71	NO	1.08	1.000	17.677	17.61	1.133	1.135	93.671	93.7 <i>71-140</i>	2.78	
3	3 13C-1,2,3,4-TCDF	2.27e4	0.75	NO	1.00	1.000	15.660	15.52	1.000	1.000	100.00	100	3.01	

Dataset: Untitled

Last Altered: Wednesday, June 10, 2020 09:05:30 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 09:05:45 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

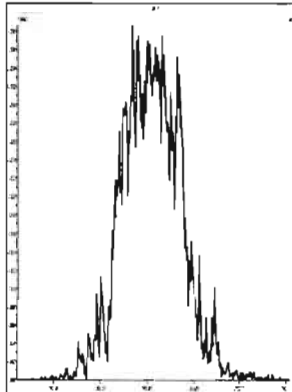
Compound name: 2,3,7,8-TCDF

	Name	ID	Acq.Date	Acq.Time
1	200609D1_1	CP200609D1-1 DB-225 CPSM	09-Jun-20	13:15:34
2	200609D1_2	ST200609D1-1 1613 CS3 19L2305	09-Jun-20	14:01:10
3	200609D1_3	SOLVENT BLANK	09-Jun-20	14:31:00
4	200609D1_4	2000965-14RE1 PDI-163SC-A-04-05-200425 ...	09-Jun-20	15:02:16
5	200609D1_5	2000945-01RE1 PDI-146SC-A-00-01-200426 ...	09-Jun-20	15:33:55
6	200609D1_6	2000945-02RE1 PDI-146SC-A-01-02-200426 ...	09-Jun-20	16:05:37
7	200609D1_7	B0D0306-DUP1RE1 Duplicate	09-Jun-20	16:37:19
8	200609D1_8	2000998-06RE1 PDI-063SC-B-05-07-200429 ...	09-Jun-20	17:09:00
9	200609D1_9	2000998-04RE1 PDI-063SC-B-00-02-200429 ...	09-Jun-20	17:40:42
10	200609D1_10	2000965-10RE1 PDI-163SC-A-00-01-200425 ...	09-Jun-20	18:12:23
11	200609D1_11	2000965-12RE1 PDI-163SC-A-02-03-200425 ...	09-Jun-20	18:44:04
12	200609D1_12	B0E0020-DUP1RE1 Duplicate	09-Jun-20	19:15:45
13	200609D1_13	2000998-05RE1 PDI-063SC-B-02-05-200429 ...	09-Jun-20	19:47:27
14	200609D1_14	B0E0100-DUP2RE1 Duplicate	09-Jun-20	20:19:08
15	200609D1_15	2000965-09RE1 PDI-1163SC-A-01-02-200425...	09-Jun-20	20:50:49
16	200609D1_16	2000965-11RE1 PDI-163SC-A-01-02-200425 ...	09-Jun-20	21:22:33
17	200609D1_17	2000995-03RE1 PDI-068SC-B-00-02-200430 ...	09-Jun-20	21:54:12
18	200609D1_18	2000995-04RE1 PDI-068SC-B-02-05-200430 ...	09-Jun-20	22:25:54
19	200609D1_19	2000995-05RE1 PDI-068SC-B-05-07-200430 ...	09-Jun-20	22:57:36
20	200609D1_20	2000995-08RE1 PDI-072SC-B-00-02-200430 ...	09-Jun-20	23:29:18

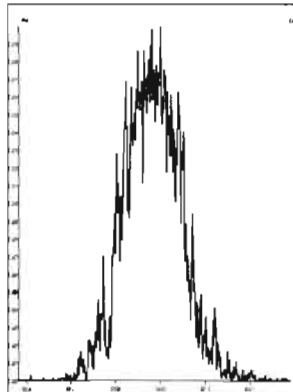
File: Experiment: tcdf_db225.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, June 09, 2020 13:14:48 Pacific Daylight Time

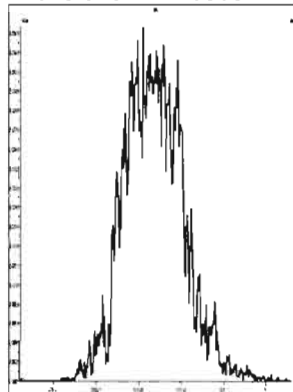
M 292.9824 R 10244



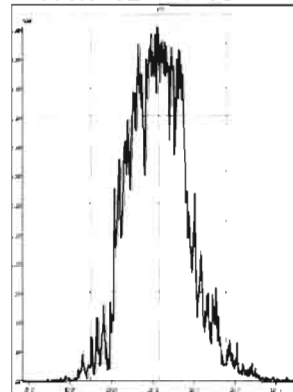
M 304.9824 R 11058



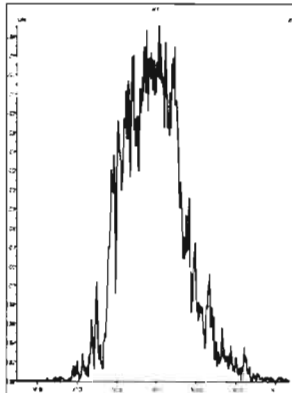
M 318.9792 R 10505



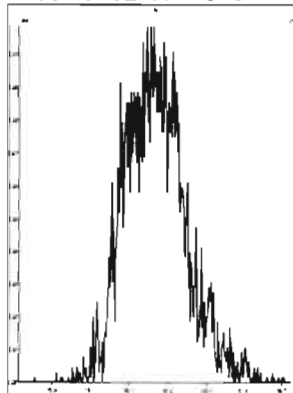
M 330.9792 R 11961



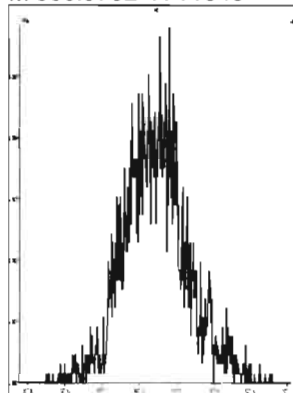
M 342.9792 R 11959



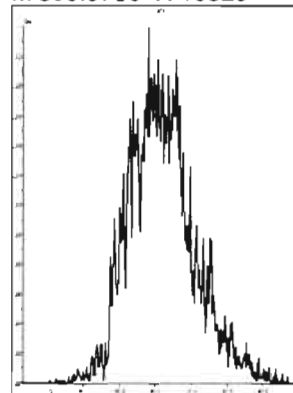
M 354.9792 R 12020

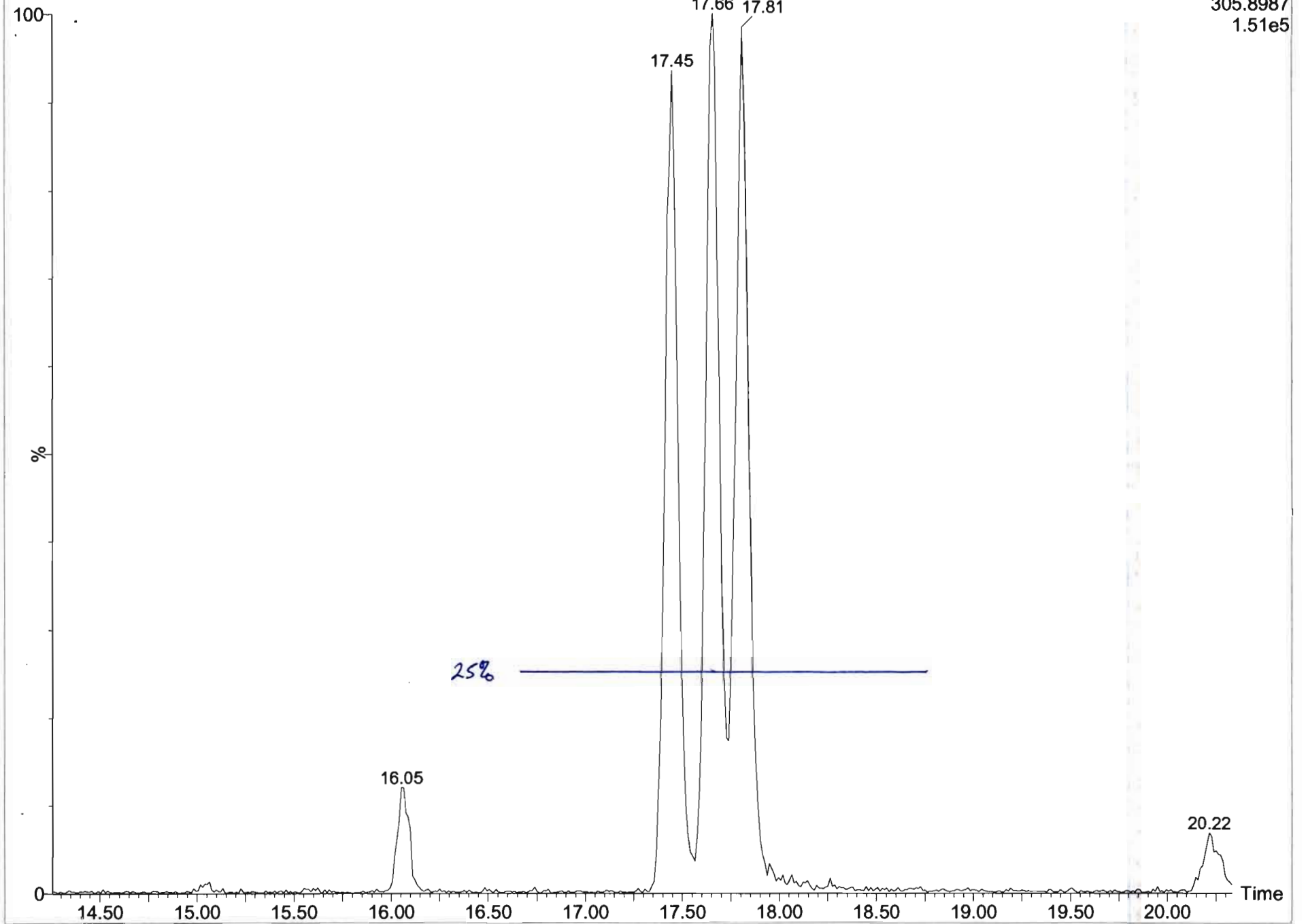


M 366.9792 R 11848



M 380.9760 R 10329





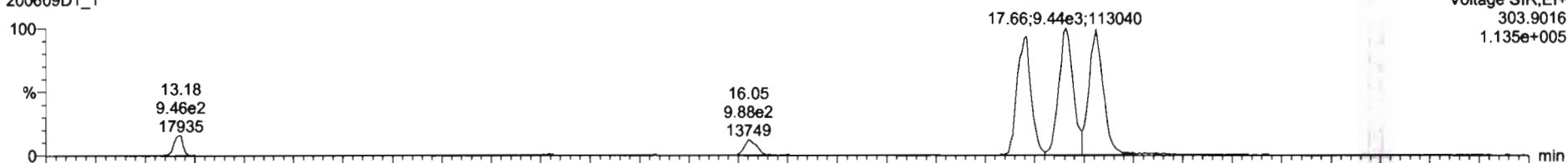
Dataset: U:\VG7.PRO\Results\200609D1\200609D1_1.qld

Last Altered: Tuesday, June 09, 2020 14:25:15 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 14:26:26 Pacific Daylight Time

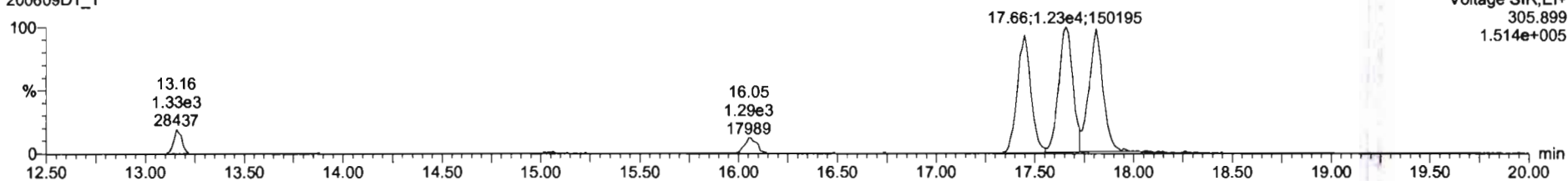
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200609D1_1, Date: 09-Jun-2020, Time: 13:15:34, ID: CP200609D1-1 DB-225 CPSM, Description: DB-225 CPSM

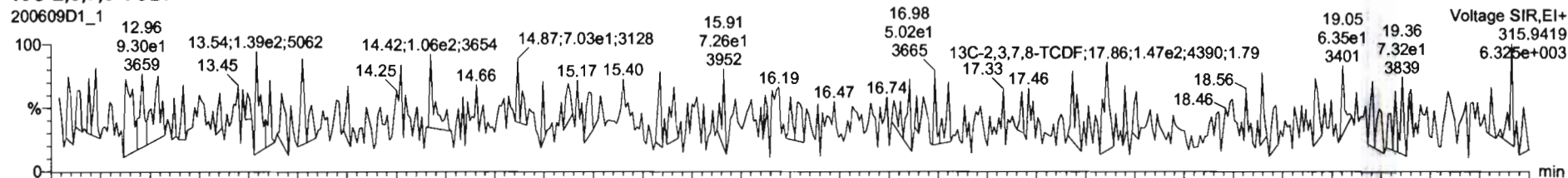
2,3,7,8-TCDF
200609D1_1



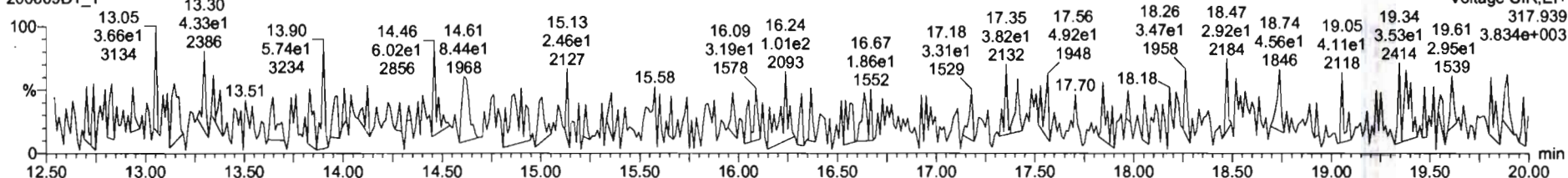
200609D1_1



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



200609D1_1

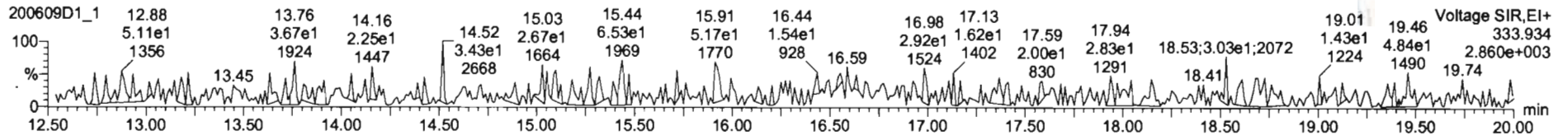
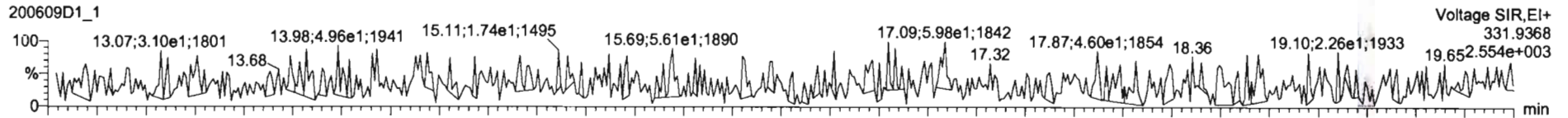


Dataset: U:\VG7.PRO\Results\200609D1\200609D1_1.qld

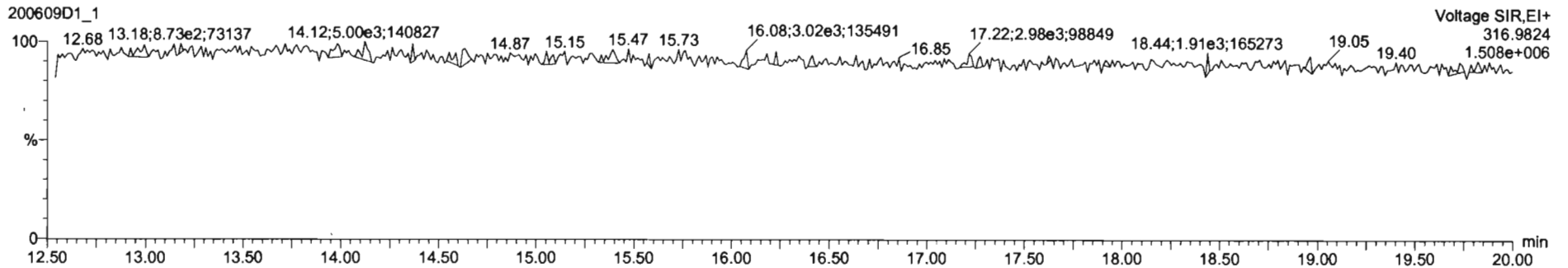
Last Altered: Tuesday, June 09, 2020 14:25:15 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 14:26:26 Pacific Daylight Time

Name: 200609D1_1, Date: 09-Jun-2020, Time: 13:15:34, ID: CP200609D1-1 DB-225 CPSM, Description: DB-225 CPSM

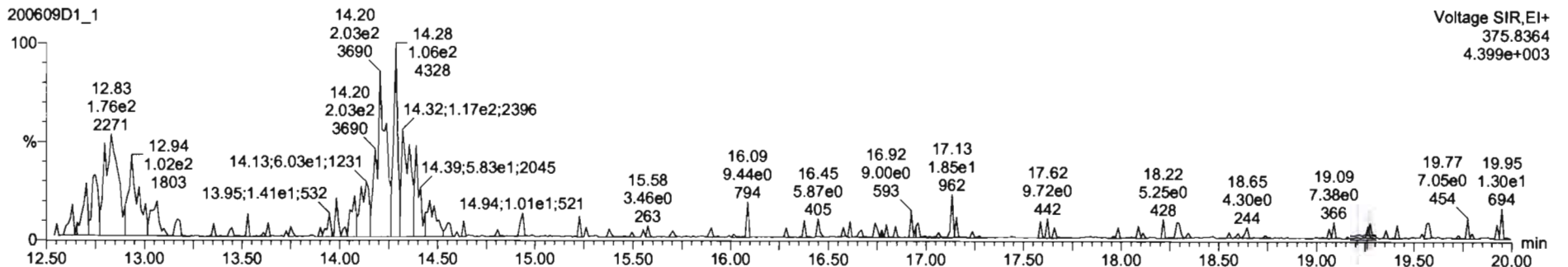
13C-1,2,3,4-TCDD



PFK1



DPE1



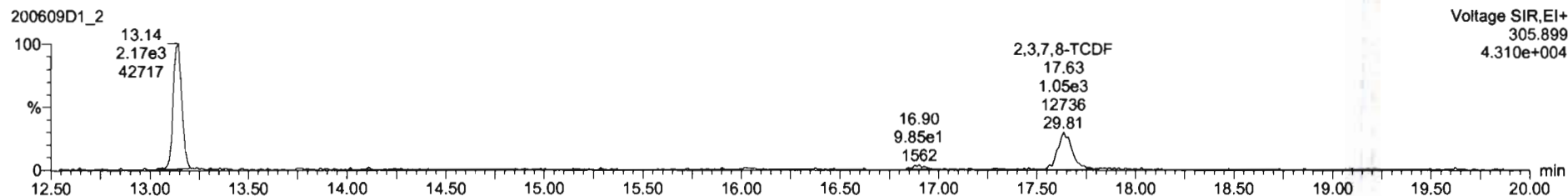
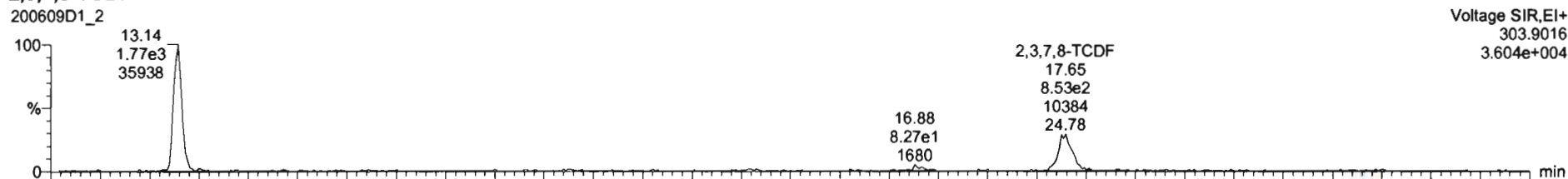
Dataset: U:\VG7.PRO\Results\200609D1\200609D1_2.qld

Last Altered: Tuesday, June 09, 2020 14:23:22 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 14:25:05 Pacific Daylight Time

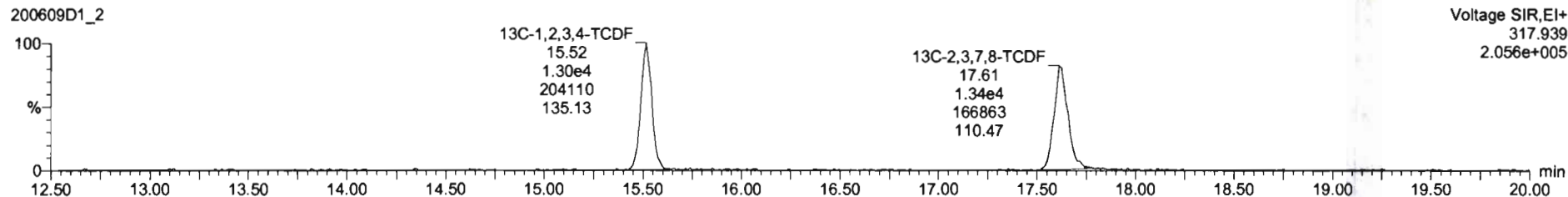
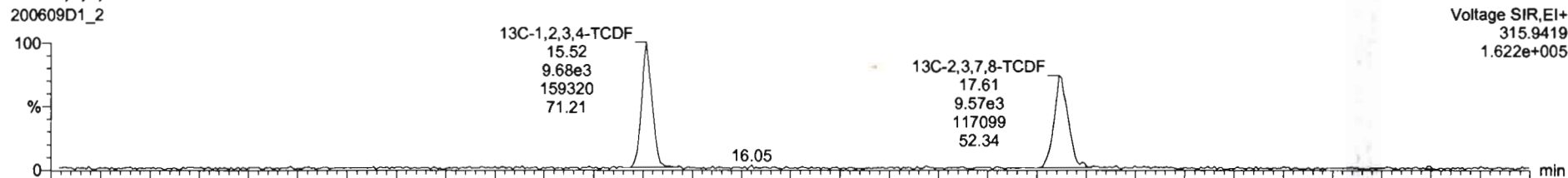
Method: C:\MassLynx\Default.PROMethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200609D1_2, Date: 09-Jun-2020, Time: 14:01:10, ID: ST200609D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDF



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



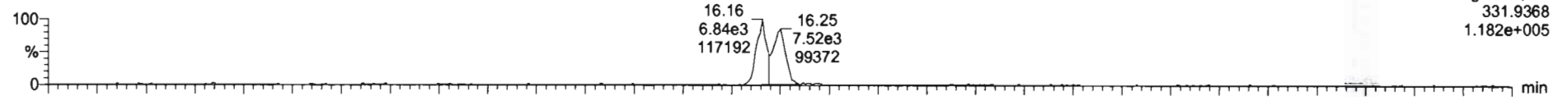
Dataset: U:\VG7.PRO\Results\200609D1\200609D1_2.qld

Last Altered: Tuesday, June 09, 2020 14:23:22 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 14:25:05 Pacific Daylight Time

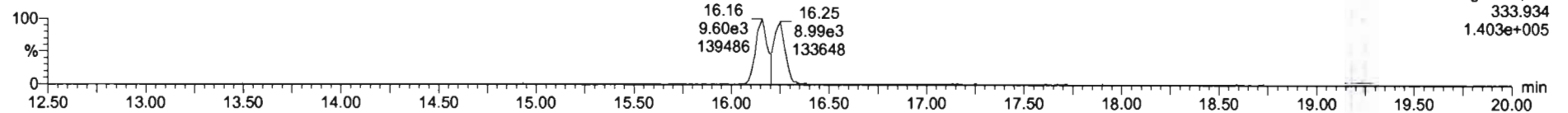
Name: 200609D1_2, Date: 09-Jun-2020, Time: 14:01:10, ID: ST200609D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200609D1_2

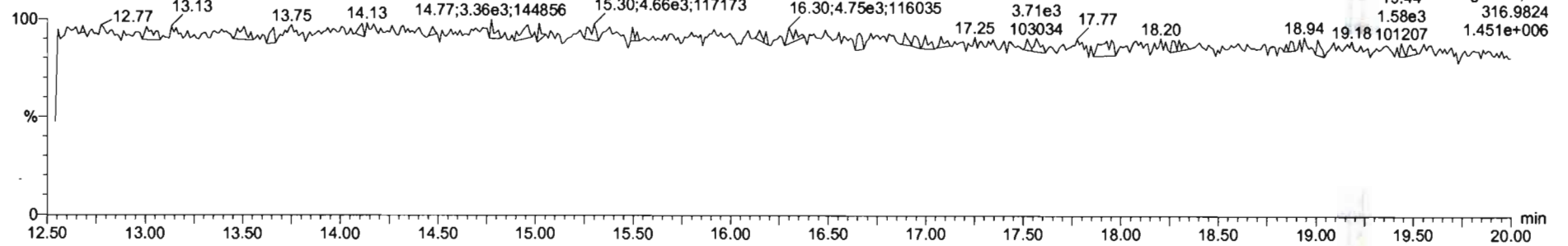


200609D1_2



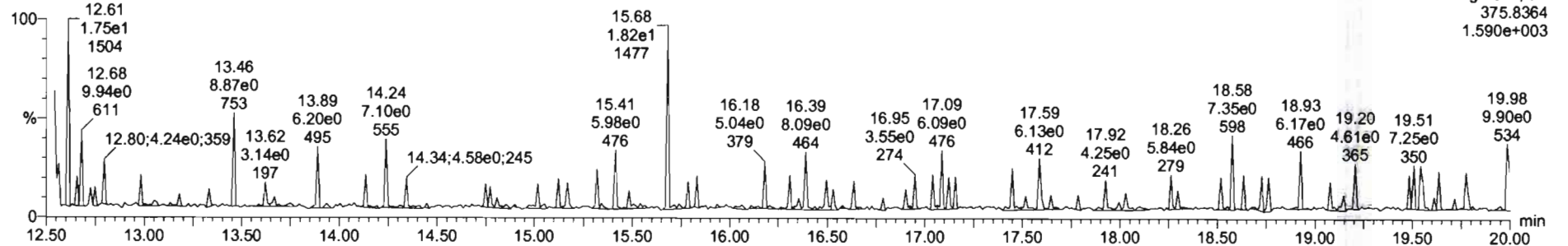
PFK1

200609D1_2



DPE1

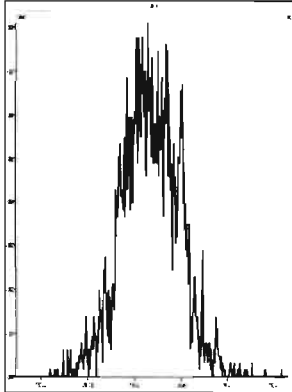
200609D1_2



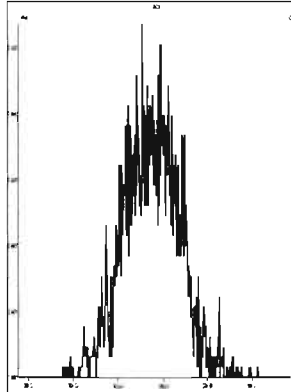
File: Experiment: tcdf_db225.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, June 10, 2020 00:03:15 Pacific Daylight Time

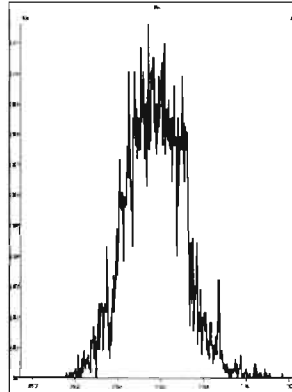
M 292.9824 R 13223



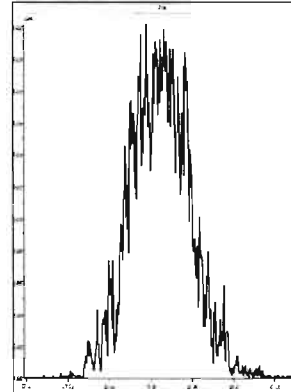
M 304.9824 R 13228



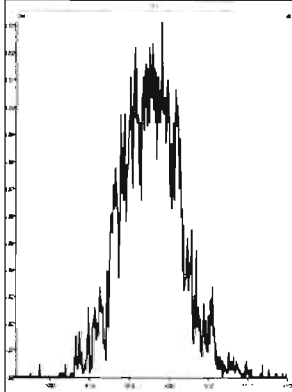
M 318.9792 R 10822



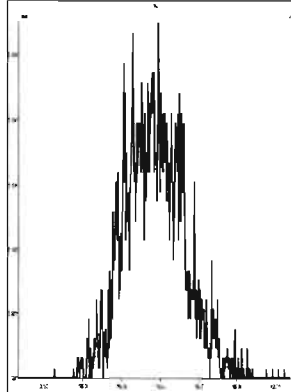
M 330.9792 R 12252



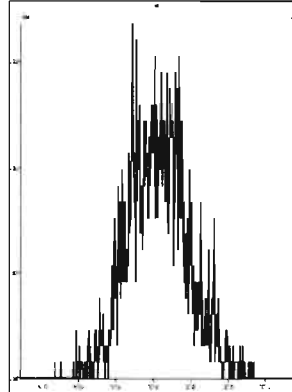
M 342.9792 R 10777



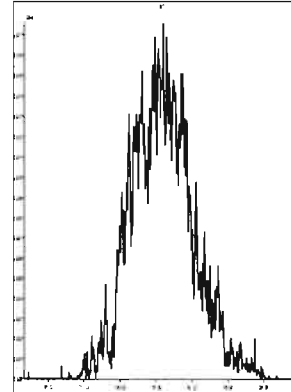
M 354.9792 R 12820



M 366.9792 R 10458



M 380.9760 R 12132



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200610D1-1

Reviewed By: PT 06/11/2020
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>	<input type="checkbox"/>
<u>Run Log:</u>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/> N
- Samples within 12 hour clock?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
- Bottle position verified?	<u>DB</u>	<input type="checkbox"/>

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:\VG7.PRO\Results\200610D1\200610D1_2.qld

Last Altered: Wednesday, June 10, 2020 13:26:50 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 13:27:37 Pacific Daylight Time

JB 6/10/20 CT 06/11/2020

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: 200610D1_2, Date: 10-Jun-2020, Time: 12:09:41, ID: ST200610D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDF	1.90e3	0.70	NO	0.982	1.000	17.666	17.66	1.000	1.001	8.9912	89.9 84 -120	0.823	8.99
2	13C-2,3,7,8-TCDF	2.15e4	0.78	NO	1.08	1.000	17.701	17.65	1.133	1.135	97.294	97.3 71 -140	2.61	
3	13C-1,2,3,4-TCDF	2.04e4	0.74	NO	1.00	1.000	15.660	15.54	1.000	1.000	100.00	100	2.83	

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Thursday, June 11, 2020 09:51:48 Pacific Daylight Time

Printed: Thursday, June 11, 2020 09:51:56 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19

Callbration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

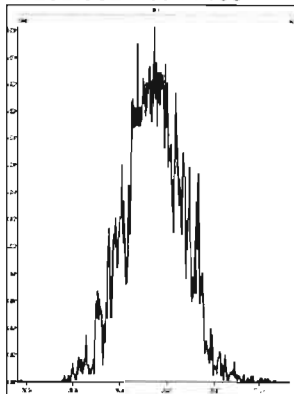
Compound name: 2,3,7,8-TCDF

	Name	ID	Acq.Date	Acq.Time
1	200610D1_1	CP200610D1-1 DB-225 CPSM	10-Jun-20	11:39:34
2	200610D1_2	ST200610D1-1 1613 CS3 19L2305	10-Jun-20	12:09:41
3	200610D1_3	SOLVENT BLANK	10-Jun-20	12:41:20
4	200610D1_4	2000995-09RE1 PDI-072SC-B-02-04-200430 ...	10-Jun-20	13:13:05
5	200610D1_5	2000995-10RE1 PDI-072SC-B-04-06-200430 ...	10-Jun-20	13:44:45
6	200610D1_6	2000995-11RE1 PDI-072SC-B-06-08-200430 ...	10-Jun-20	14:16:34
7	200610D1_7	2000995-12RE1 PDI-1072SC-B-02-04-200430...	10-Jun-20	14:55:36
8	200610D1_8	B0E0079-DUP1RE1 Duplicate	10-Jun-20	15:25:38
9	200610D1_9	B0E0118-DUP1RE1 Duplicate	10-Jun-20	15:57:20
10	200610D1_10	2001009-02RE1 PDI-070SC-A-07-8.4-200505 ...	10-Jun-20	16:29:02
11	200610D1_11	2001009-03RE1 PDI-070SC-B-00-02-200505 ...	10-Jun-20	17:00:44
12	200610D1_12	2001009-04RE1 PDI-070SC-B-02-05-200505 ...	10-Jun-20	17:32:27
13	200610D1_13	2001009-05RE1 PDI-070SC-B-05-07-200505 ...	10-Jun-20	18:04:09
14	200610D1_14	2001009-06RE1 PDI-078SC-A-08-09-200505 ...	10-Jun-20	18:35:51
15	200610D1_15	2001009-07RE1 PDI-078SC-A-09-09.6-20050...	10-Jun-20	19:07:27
16	200610D1_16	2001009-08RE1 PDI-1078SC-A-08-09-200505...	10-Jun-20	19:39:12
17	200610D1_17	2001009-09RE1 PDI-078SC-B-00-02-200505 ...	10-Jun-20	20:10:52
18	200610D1_18	2001009-10RE1 PDI-078SC-B-02-05-200505 ...	10-Jun-20	20:42:35
19	200610D1_19	2001009-11RE1 PDI-078SC-B-05-07-200505 ...	10-Jun-20	21:14:17
20	200610D1_20	2001034-01RE1 PDI-085SC-B-00-02-200508 ...	10-Jun-20	21:46:00
21	200610D1_21	2001034-02RE1 PDI-085SC-B-02-05-200508 ...	10-Jun-20	22:17:43
22	200610D1_22	2001034-03RE1 PDI-085SC-B-05-07-200508 ...	10-Jun-20	22:49:25

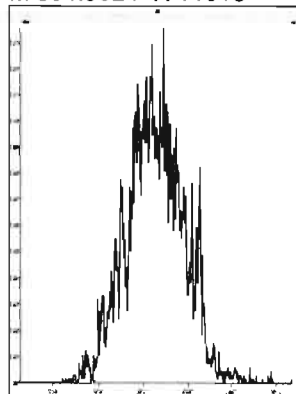
File: Experiment: tcdf_db225.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, June 10, 2020 11:38:43 Pacific Daylight Time

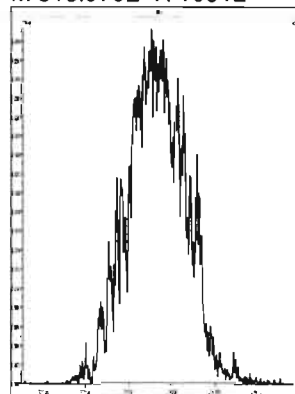
M 292.9824 R 11465



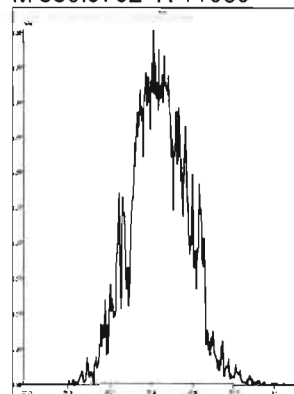
M 304.9824 R 11015



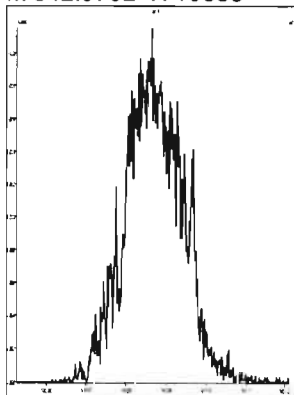
M 318.9792 R 10912



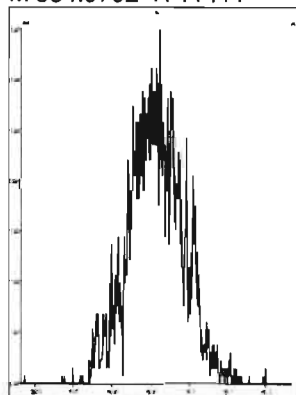
M 330.9792 R 11060



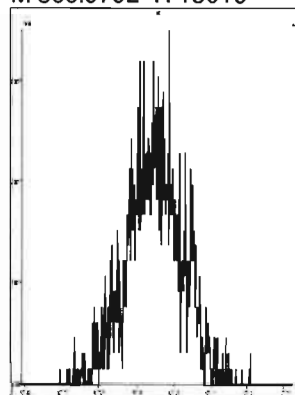
M 342.9792 R 10635



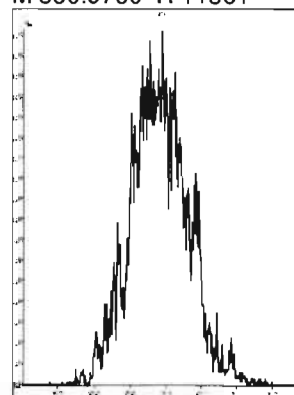
M 354.9792 R 11411

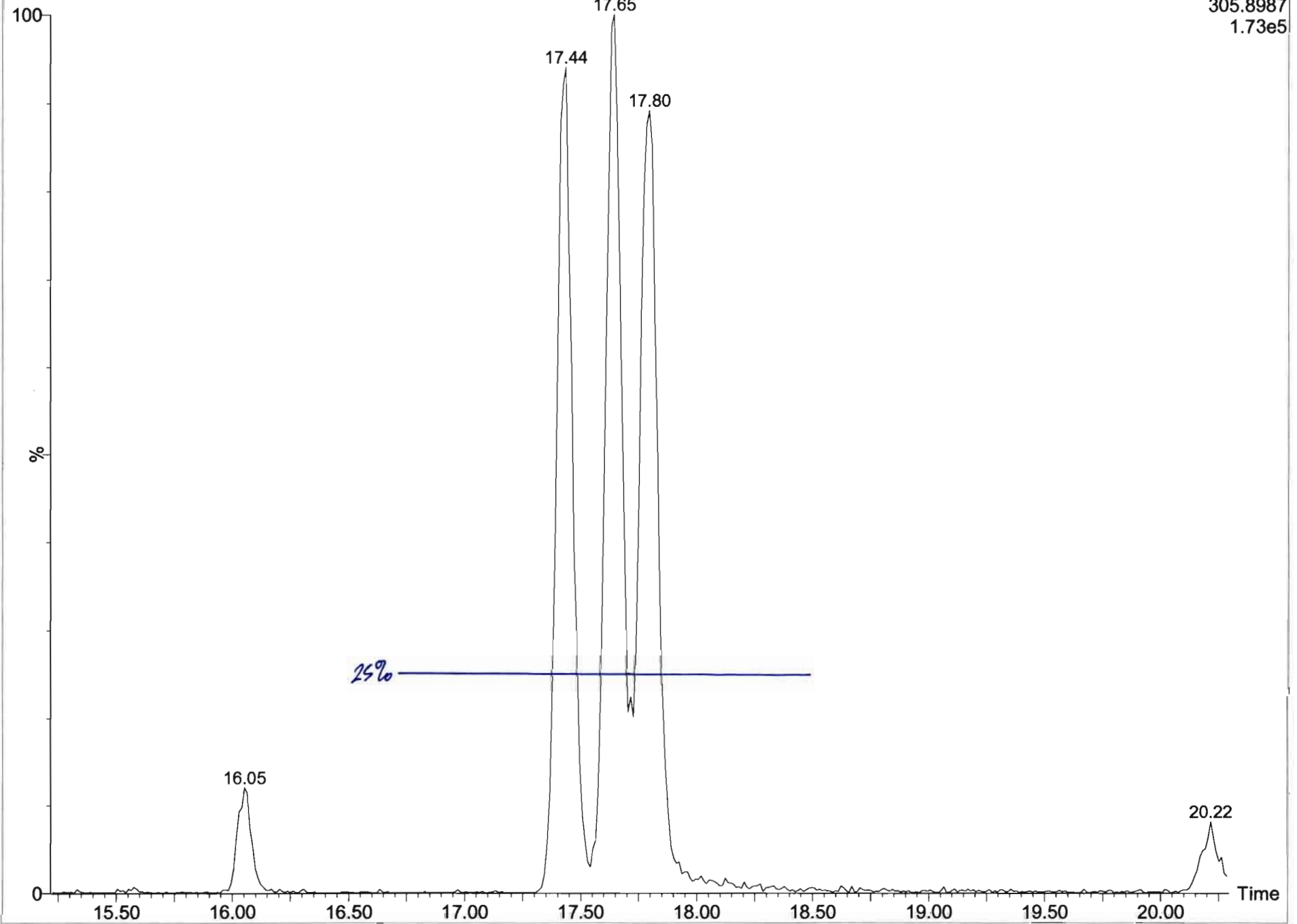


M 366.9792 R 13019



M 380.9760 R 11361





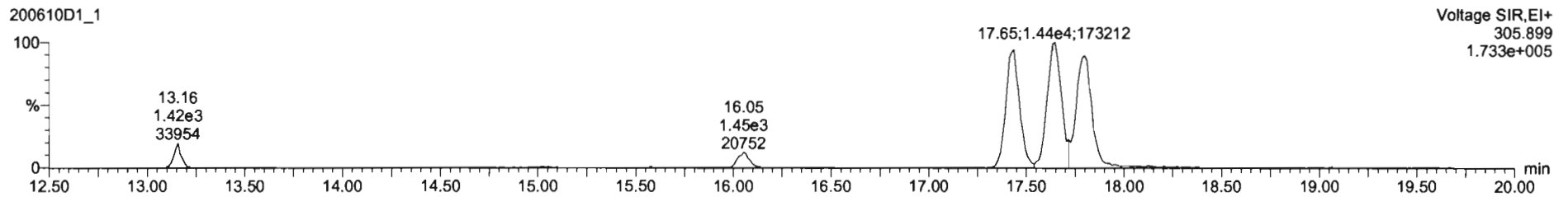
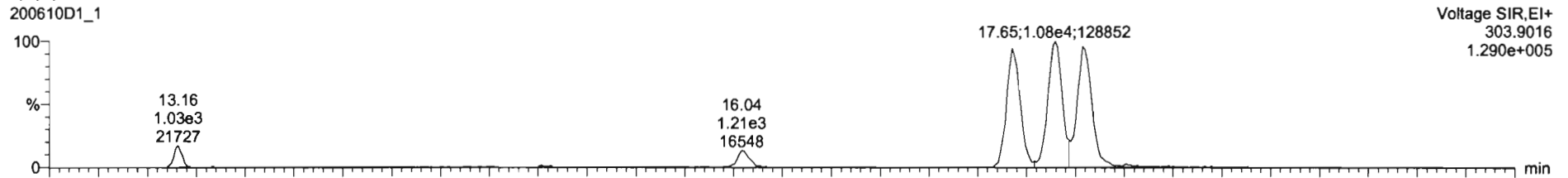
Dataset: U:\VG7.PRO\Results\200610D1\200610D1_1.qld

Last Altered: Wednesday, June 10, 2020 13:23:28 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 13:24:46 Pacific Daylight Time

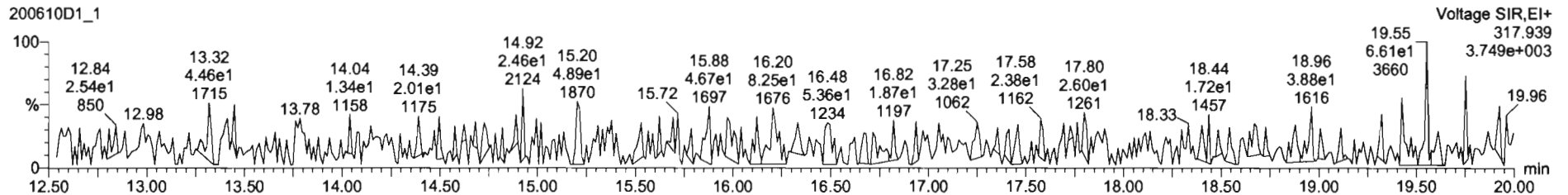
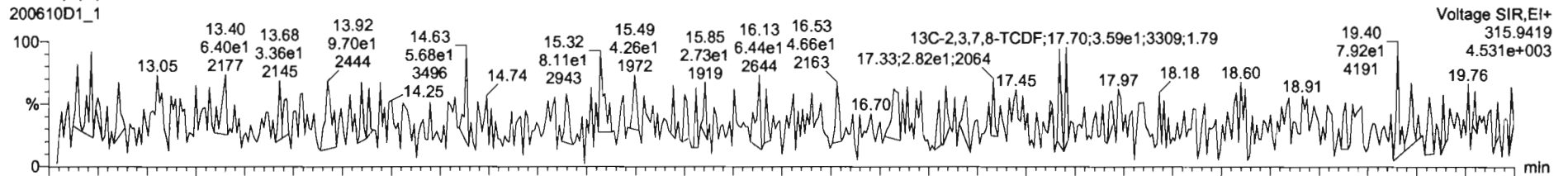
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200610D1_1, Date: 10-Jun-2020, Time: 11:39:34, ID: CP200610D1-1 DB-225 CPSM, Description: DB-225 CPSM

2,3,7,8-TCDF



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

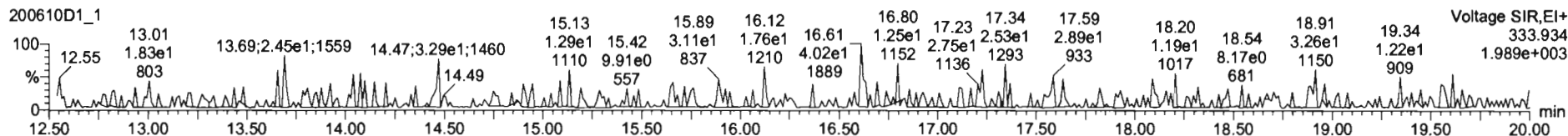
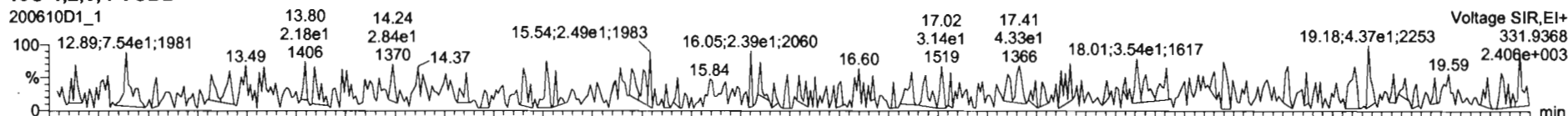


Dataset: U:\VG7.PRO\Results\200610D1\200610D1_1.qld

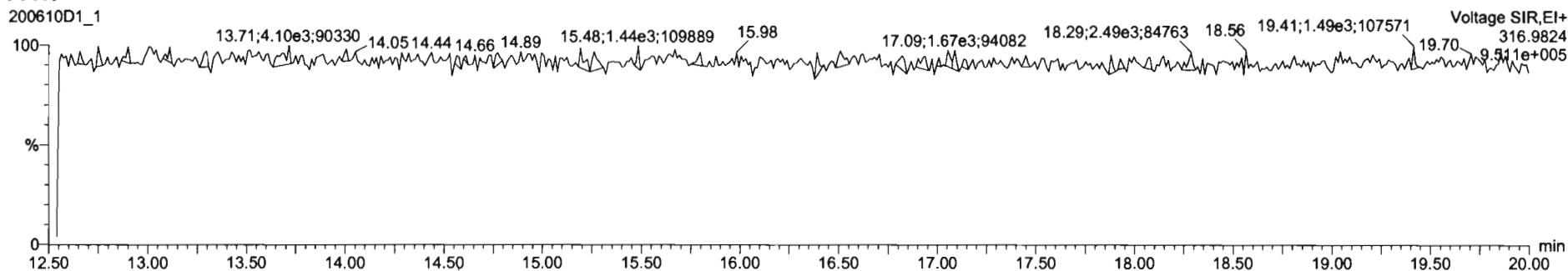
Last Altered: Wednesday, June 10, 2020 13:23:28 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 13:24:46 Pacific Daylight Time

Name: 200610D1_1, Date: 10-Jun-2020, Time: 11:39:34, ID: CP200610D1-1 DB-225 CPSM, Description: DB-225 CPSM

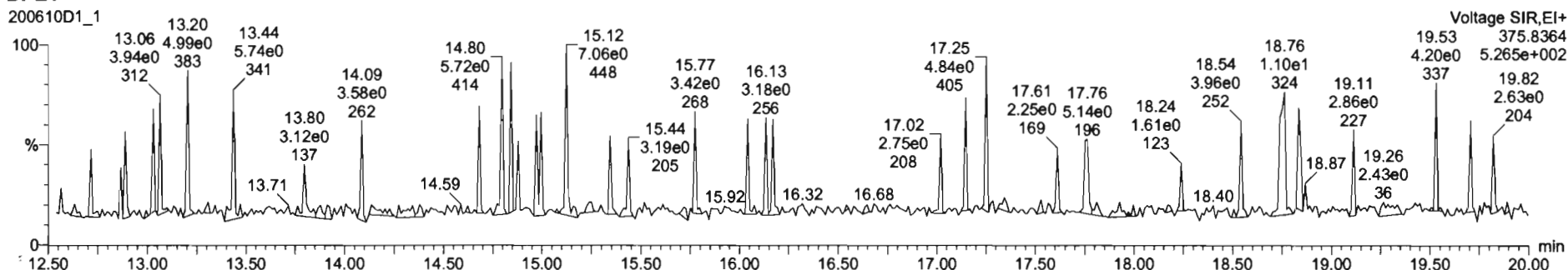
13C-1,2,3,4-TCDD



PFK1



DPE1



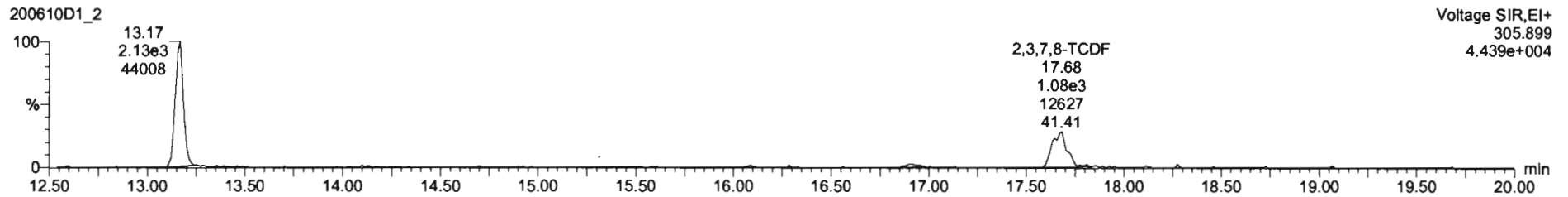
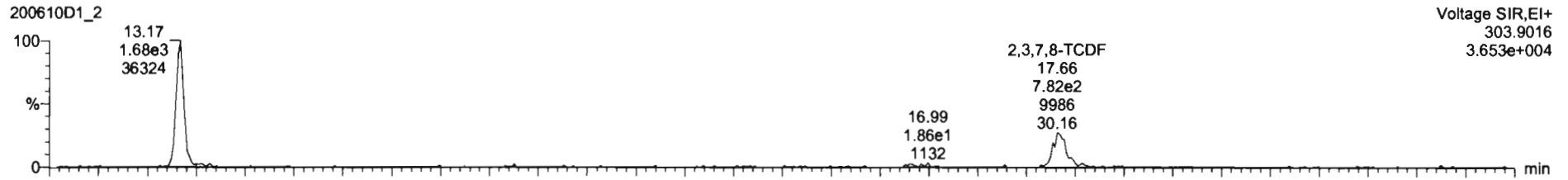
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Last Altered: Wednesday, June 10, 2020 13:24:54 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 13:25:53 Pacific Daylight Time

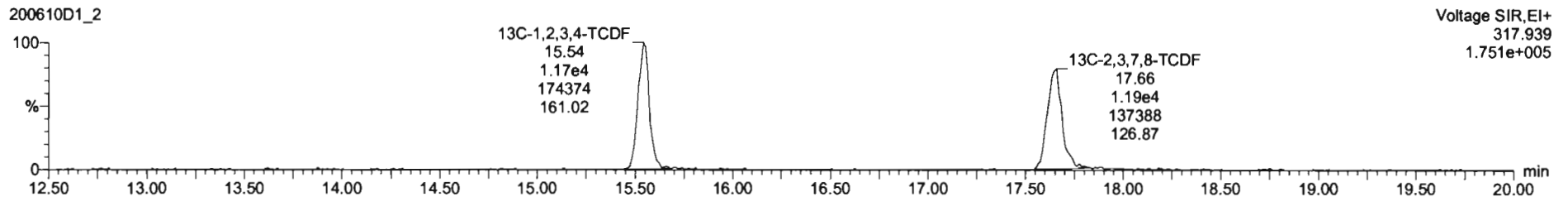
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

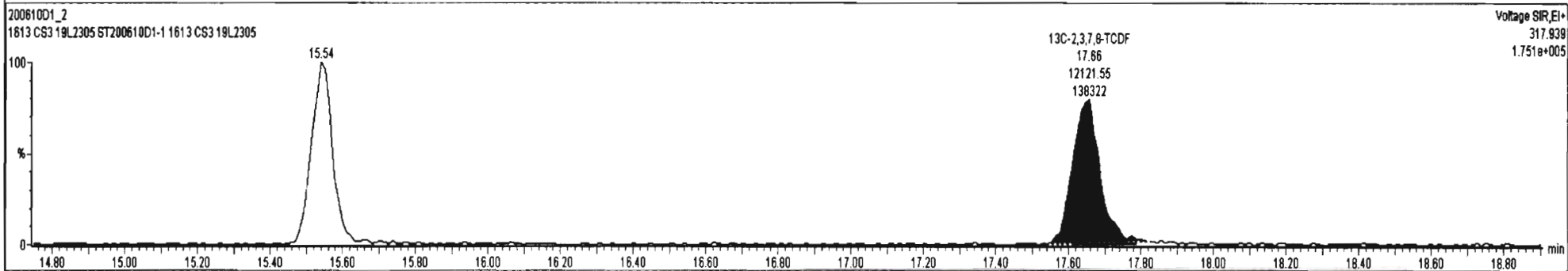
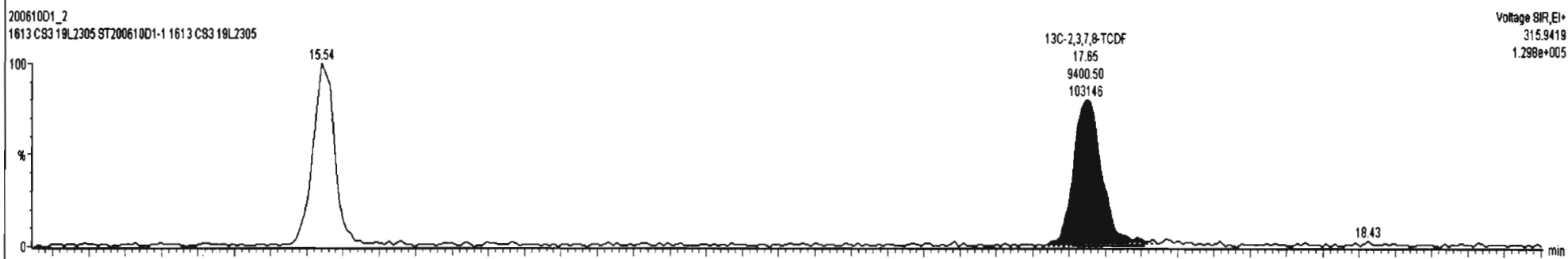
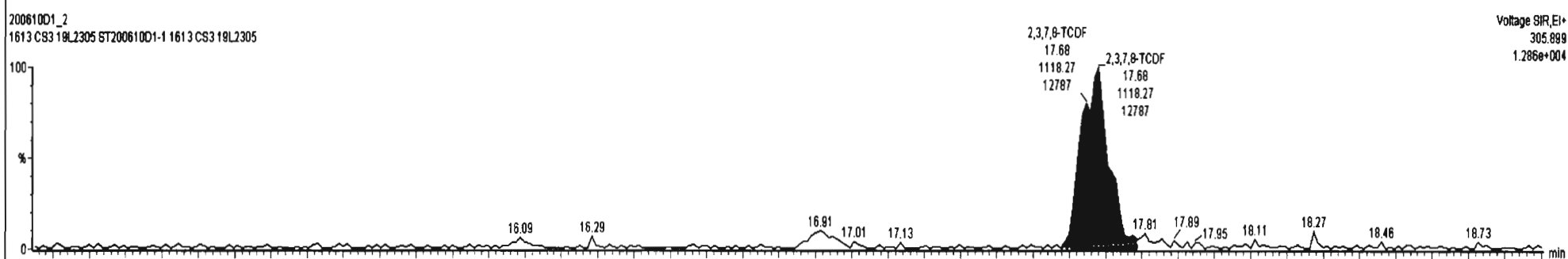
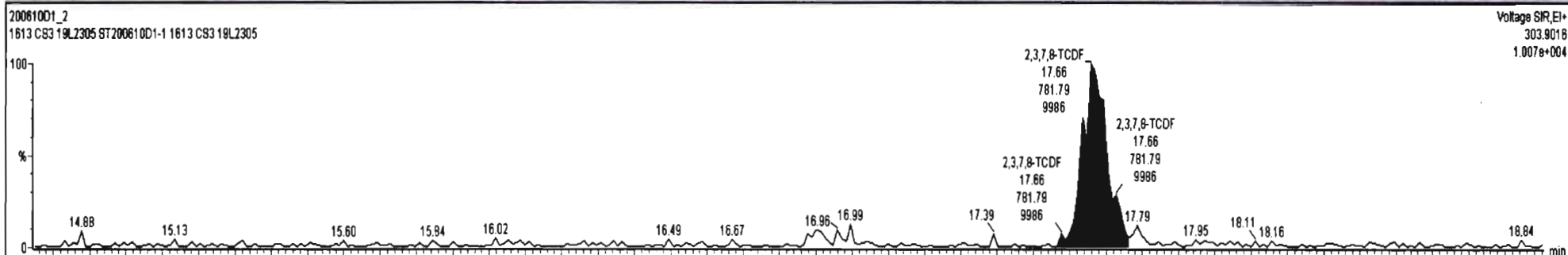
Name: 200610D1_2, Date: 10-Jun-2020, Time: 12:09:41, ID: ST200610D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDF



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





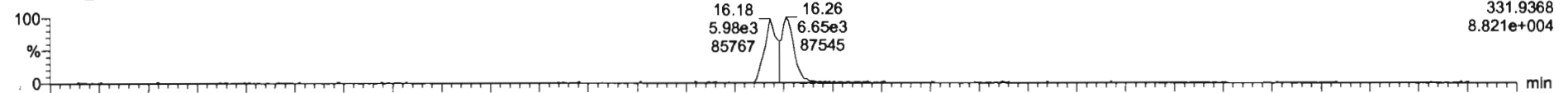
Dataset: U:\VG7.PRO\Results\200610D1\200610D1_2.qld

Last Altered: Wednesday, June 10, 2020 13:24:54 Pacific Daylight Time
Printed: Wednesday, June 10, 2020 13:25:53 Pacific Daylight Time

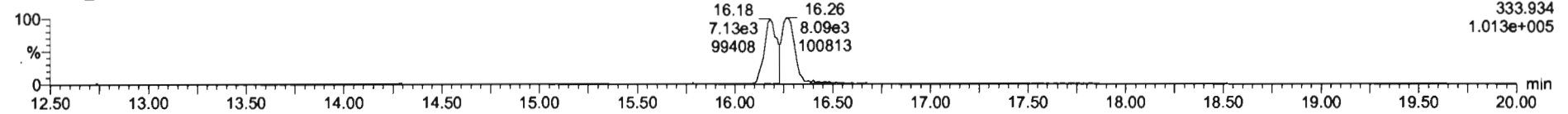
Name: 200610D1_2, Date: 10-Jun-2020, Time: 12:09:41, ID: ST200610D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200610D1_2

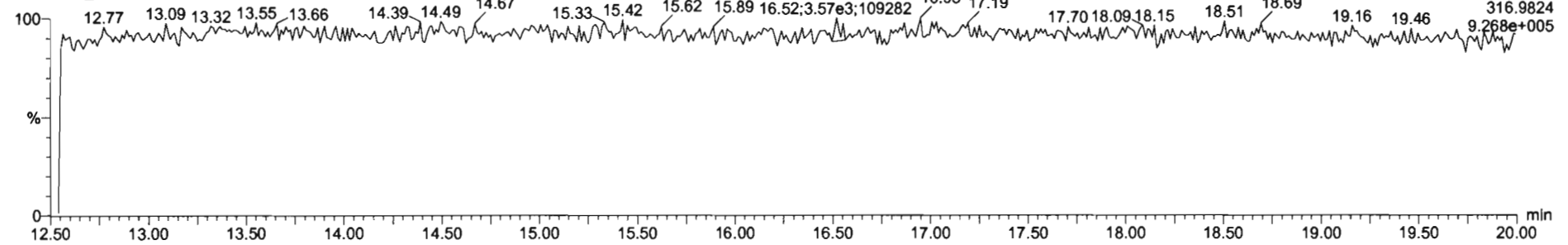


200610D1_2



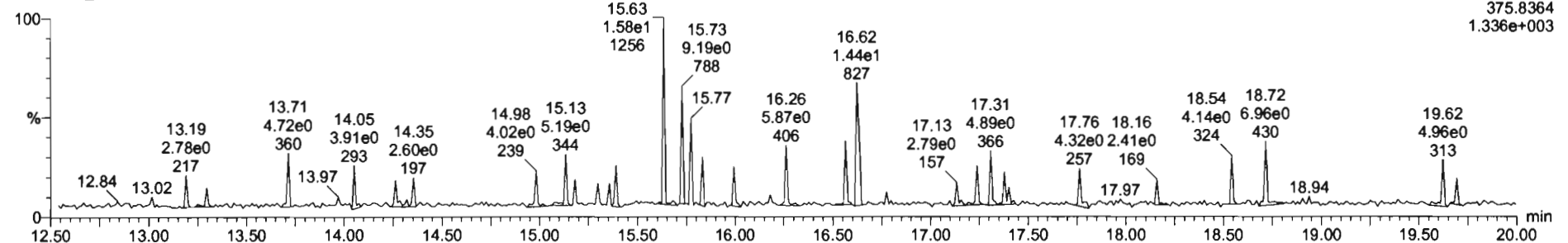
PFK1

200610D1_2



DPE1

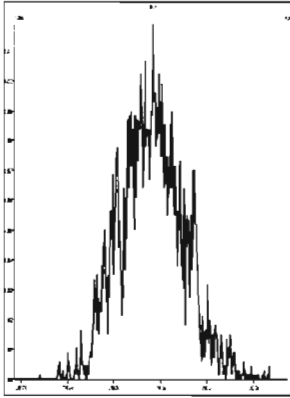
200610D1_2



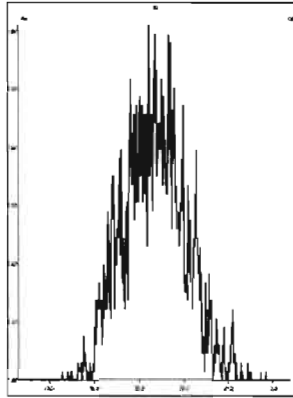
File: Experiment: tcdf_db225.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, June 10, 2020 23:22:36 Pacific Daylight Time

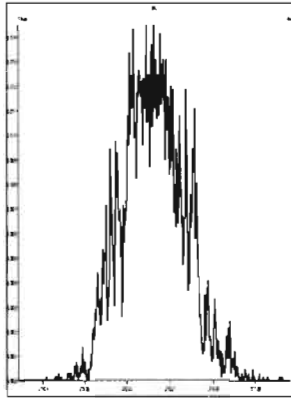
M 292.9824 R 10551



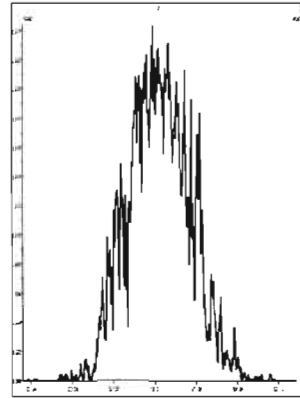
M 304.9824 R 12377



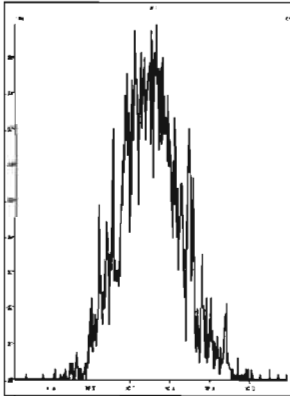
M 318.9792 R 10460



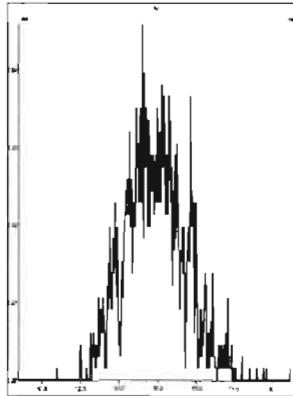
M 330.9792 R 10826



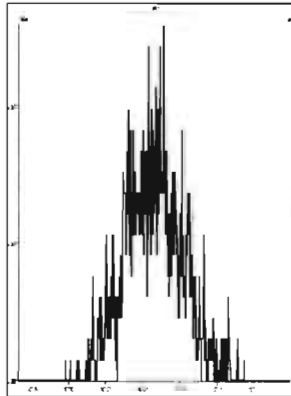
M 342.9792 R 10332



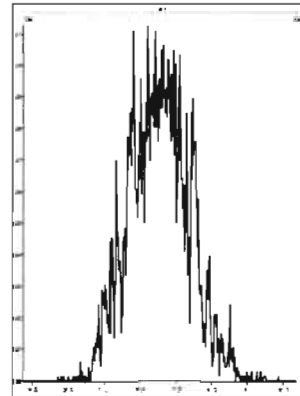
M 354.9792 R 10679



M 366.9792 R 12436



M 380.9760 R 10727



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200612D1-1

Reviewed By: CT 06/15/2020

Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input checked="" 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"/> 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?	<input checked="" type="checkbox"/> DB	<input type="checkbox"/>
<u>Run Log:</u>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Samples within 12 hour clock?	<input checked="" type="checkbox"/> (Y)	<input type="checkbox"/> N
- Bottle position verified?	<input checked="" type="checkbox"/> DB	<input type="checkbox"/>

Mass resolution ≥

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:\VG7.PRO\Results\200612D1\200612D1_2.qld

Last Altered: Friday, June 12, 2020 12:15:35 Pacific Daylight Time
Printed: Friday, June 12, 2020 12:17:36 Pacific Daylight Time

DB 6/12/20 0106/15/2020

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: 200612D1_2, Date: 12-Jun-2020, Time: 11:48:46, ID: ST200612D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	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	2.04e3	0.78	NO	0.982	1.000	17.666	17.67	1.000	1.001	9.3034	93.0 <i>84-120</i>	0.681	9.30
2	2 13C-2,3,7,8-TCDF	2.24e4	0.77	NO	1.08	1.000	17.701	17.65	1.133	1.135	96.633	96.6 <i>71-140</i>	2.08	
3	3 13C-1,2,3,4-TCDF	2.14e4	0.79	NO	1.00	1.000	15.660	15.54	1.000	1.000	100.00	100	2.25	

3

Dataset: Untitled

Last Altered: Friday, June 12, 2020 16:38:09 Pacific Daylight Time

Printed: Friday, June 12, 2020 16:38:23 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

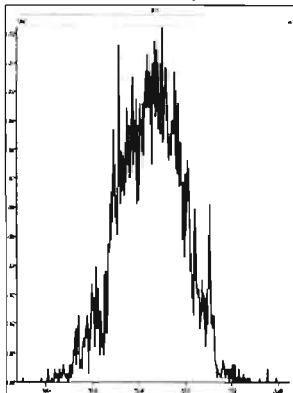
Compound name: 2,3,7,8-TCDF

	Name	ID	Acq.Date	Acq.Time
1	200612D1_1	CP200612D1-1 DB-225 CPSM	12-Jun-20	11:19:19
2	200612D1_2	ST200612D1-1 1613 CS3 19L2305	12-Jun-20	11:48:46
3	200612D1_3	SOLVENT BLANK	12-Jun-20	12:20:27
4	200612D1_4	2000995-04RE1 PDI-068SC-B-02-05-200430 ...	12-Jun-20	12:52:11
5	200612D1_5	2000995-04RE1 PDI-068SC-B-02-05-200430 ...	12-Jun-20	13:24:45
6	200612D1_6	2000995-05RE1 PDI-068SC-B-05-07-200430 ...	12-Jun-20	13:55:36
7	200612D1_7	2000995-11RE1 PDI-072SC-B-06-08-200430 ...	12-Jun-20	14:27:06
8	200612D1_8	B0E0118-DUP1RE1 Duplicate	12-Jun-20	14:58:47
9	200612D1_9	2000996-05RE1 PDI-054SC-B-02-05-200428 ...	12-Jun-20	15:30:28
10	200612D1_10	2000996-14RE1 PDI-060SC-B-00-02-200428 ...	12-Jun-20	16:02:24

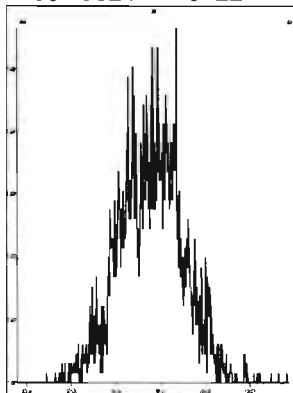
File: Experiment: tcdf_db225.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Friday, June 12, 2020 11:17:40 Pacific Daylight Time

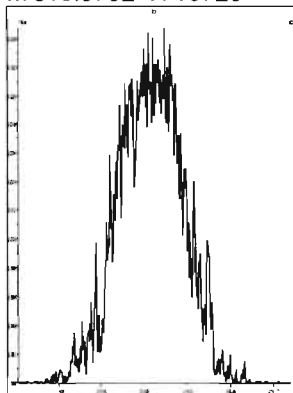
M 292.9824 R 10641



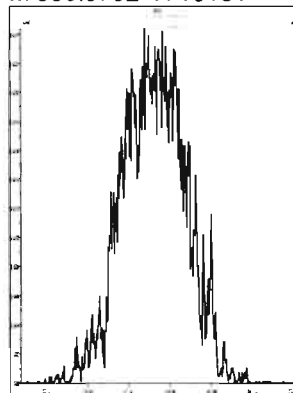
M 304.9824 R 10122



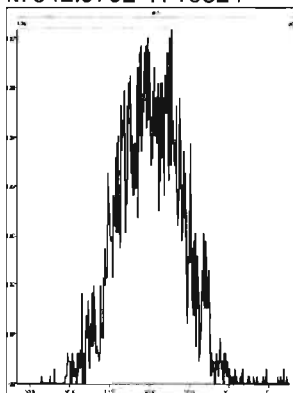
M 318.9792 R 10729



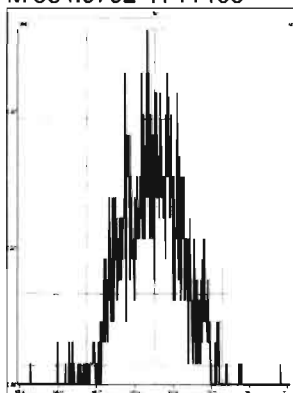
M 330.9792 R 10161



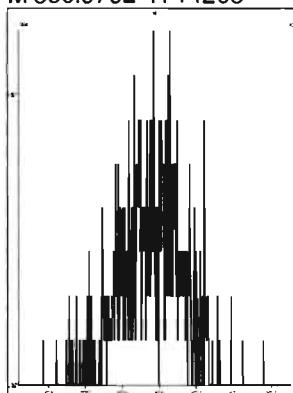
M 342.9792 R 10824



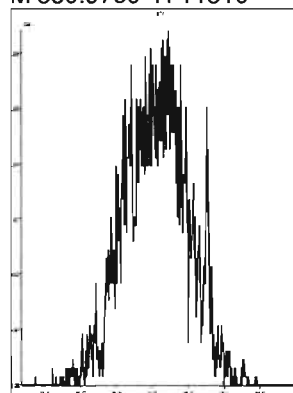
M 354.9792 R 11468

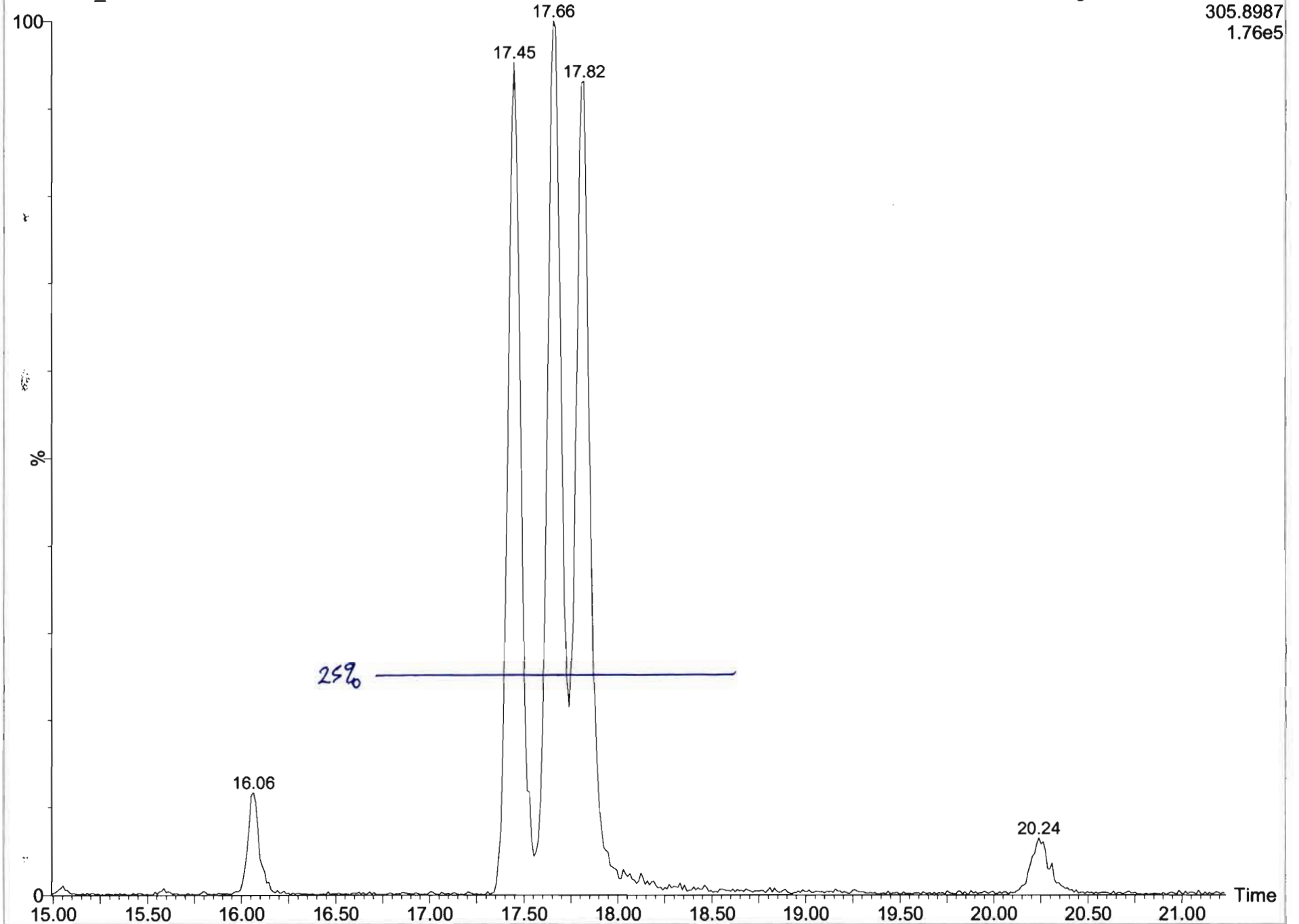


M 366.9792 R 14203



M 380.9760 R 11310





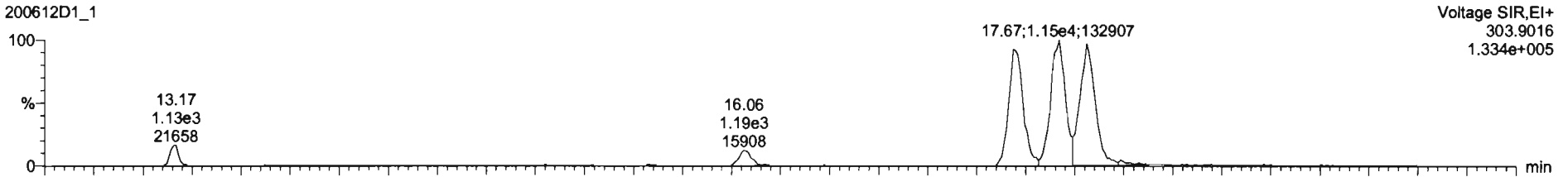
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Printed: Friday, June 12, 2020 12:12:33 Pacific Daylight Time

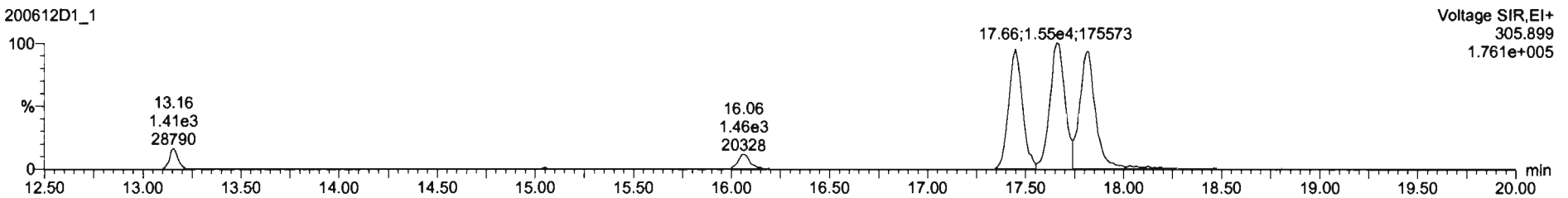
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Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

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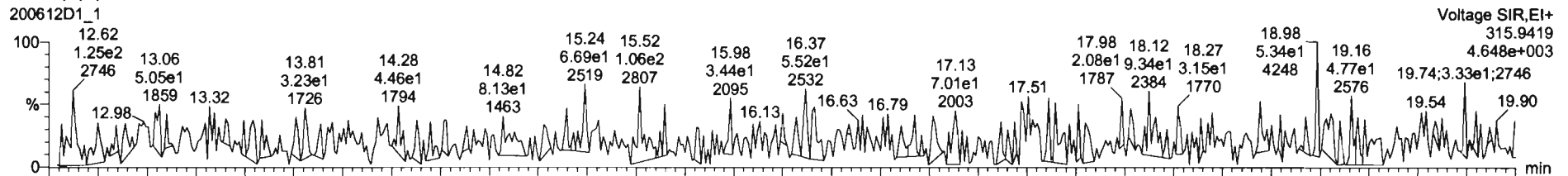
2,3,7,8-TCDF
200612D1_1



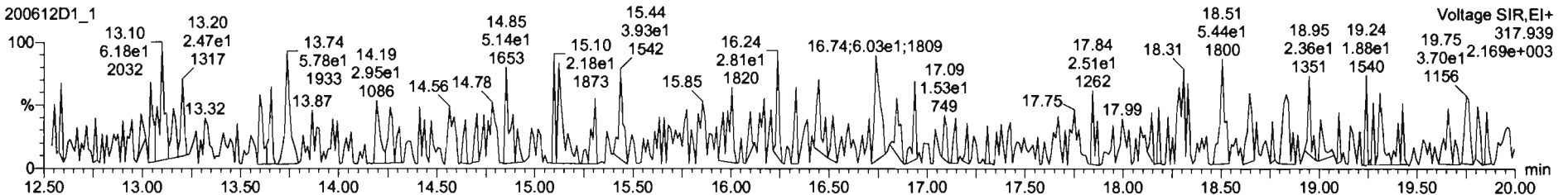
200612D1_1



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



200612D1_1

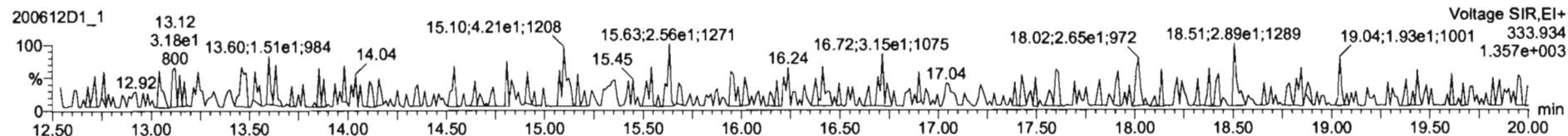
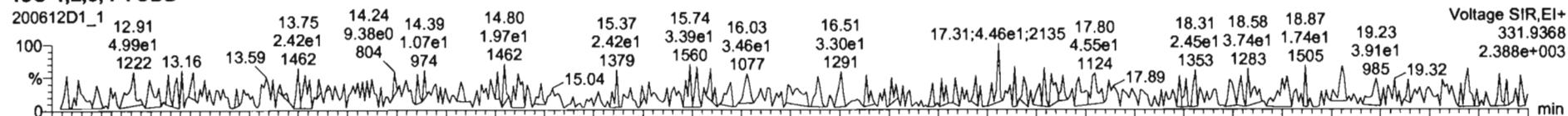


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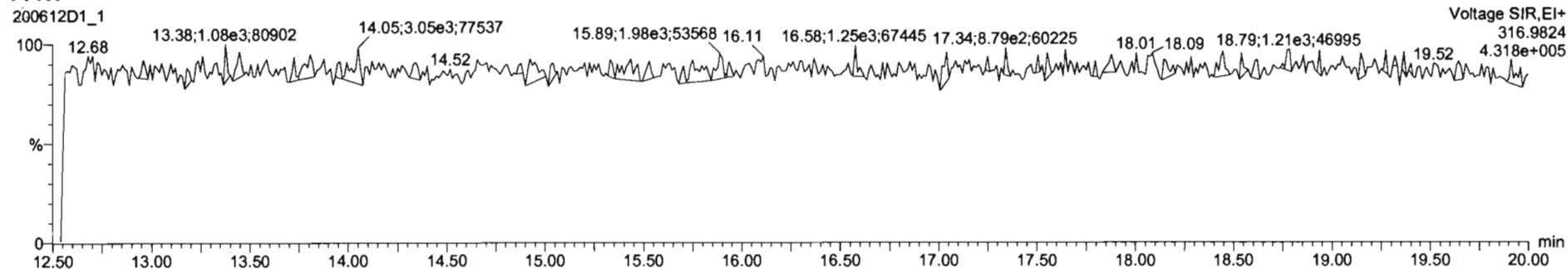
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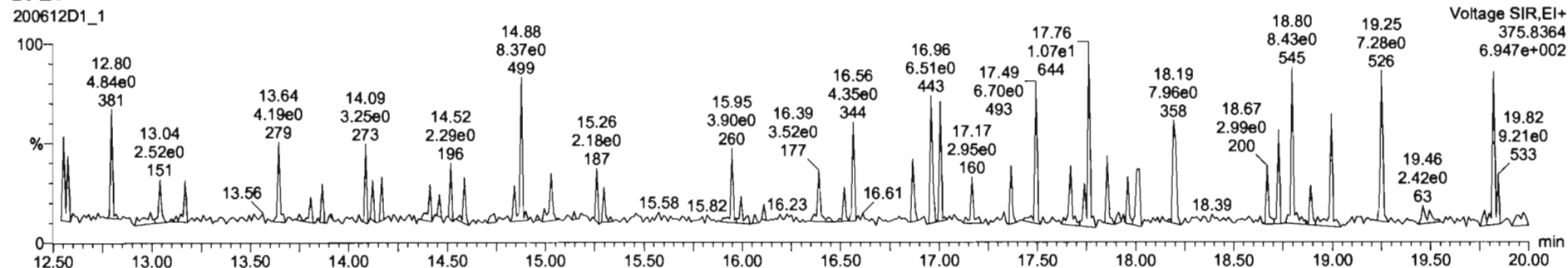
13C-1,2,3,4-TCDD



PFK1



DPE1



Dataset: U:\VG7.PRO\Results\200612D1\200612D1_2.qld

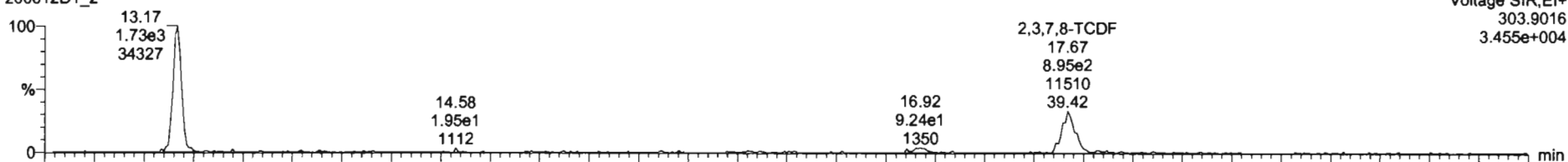
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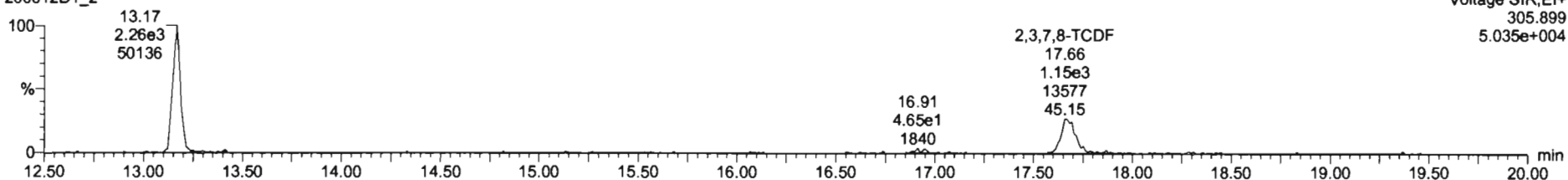
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2,3,7,8-TCDF

200612D1_2

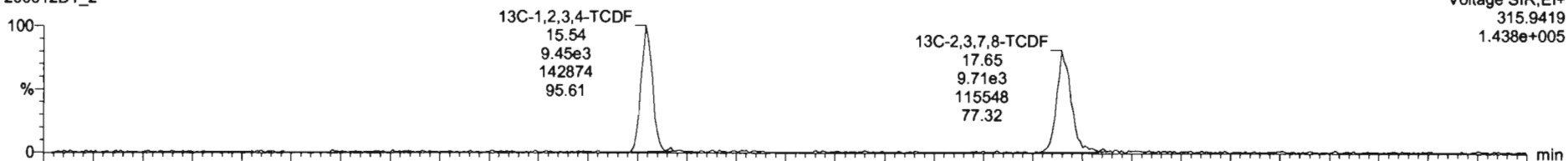


200612D1_2

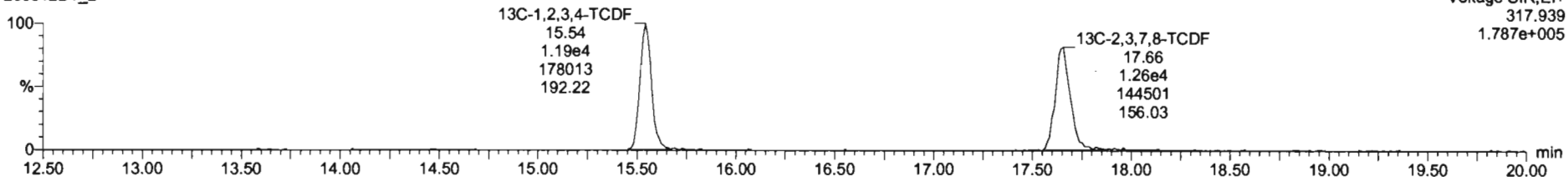


13C-2,3,7,8-TCDF

200612D1_2



200612D1_2



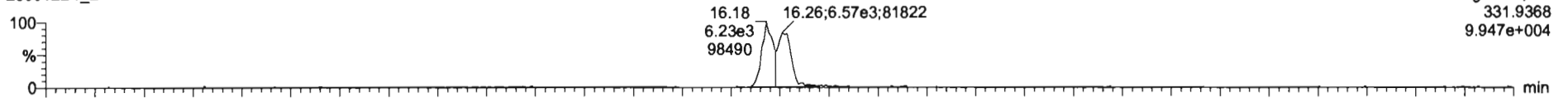
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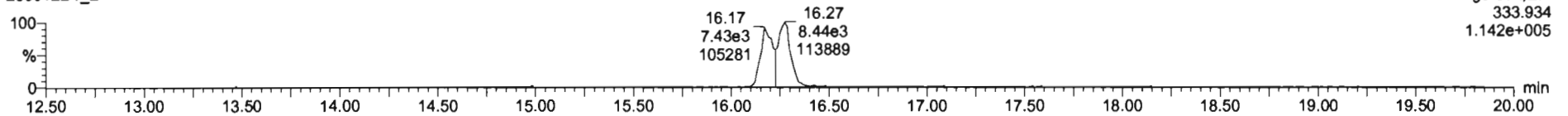
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13C-1,2,3,4-TCDD

200612D1_2

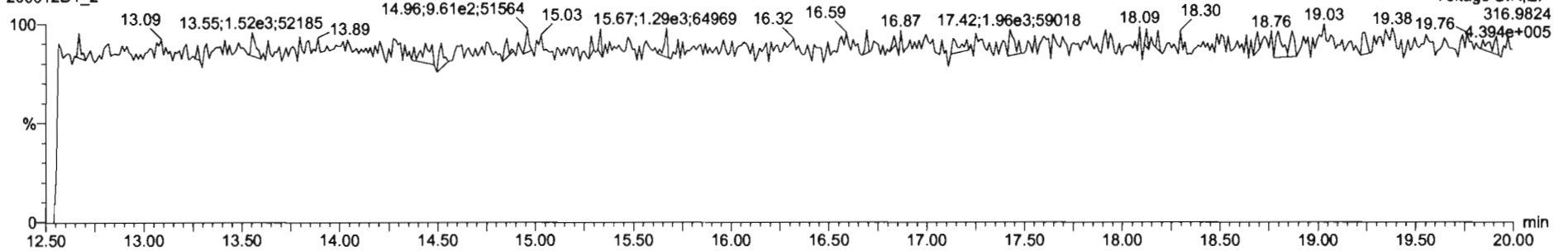


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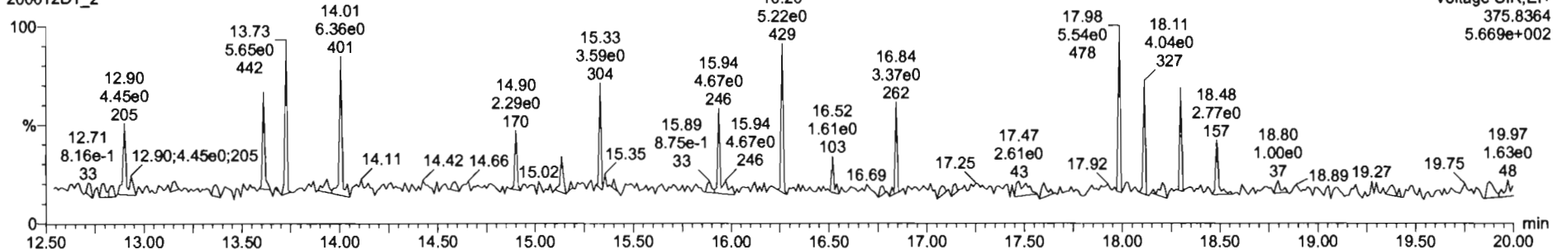
PFK1

200612D1_2



DPE1

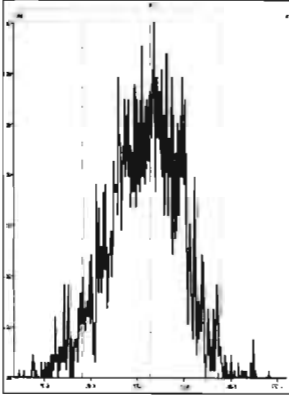
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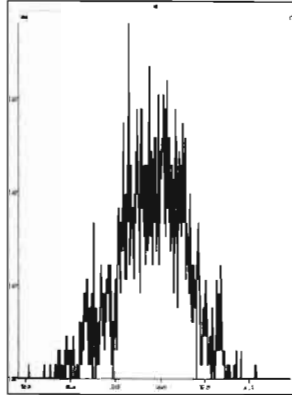
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Printed: Friday, June 12, 2020 16:37:07 Pacific Daylight Time

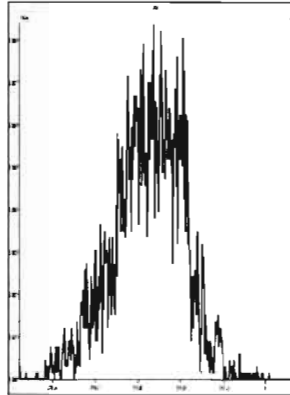
M 292.9824 R 10371



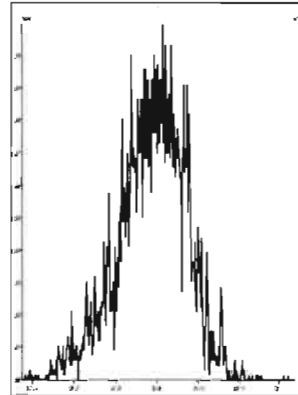
M 304.9824 R 16442



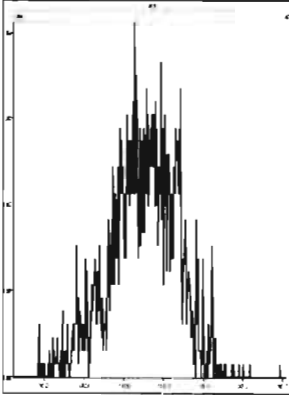
M 318.9792 R 10965



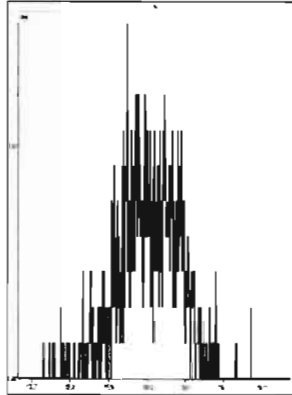
M 330.9792 R 10868



M 342.9792 R 10164



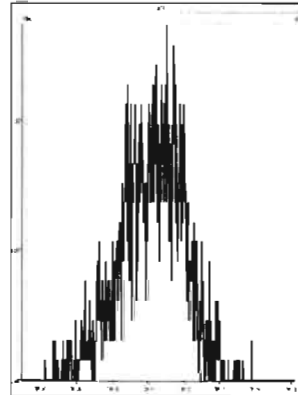
M 354.9792 R 13441



M 366.9792 R 22726



M 380.9760 R 13225



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

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: 2,3,4,7,8-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

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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

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time
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Compound name: 13C-1,2,3,4,7,8,9-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

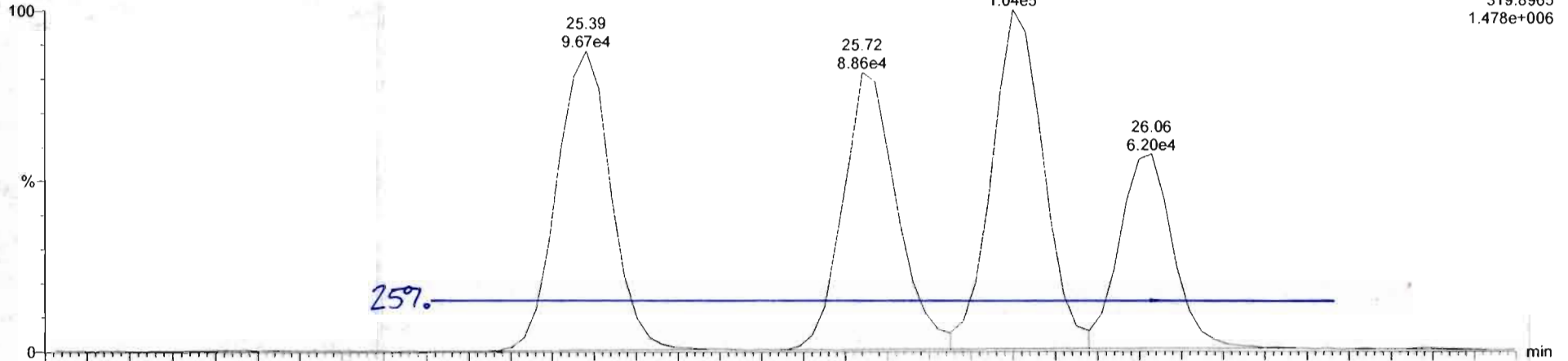
GPB 04/30/2020

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

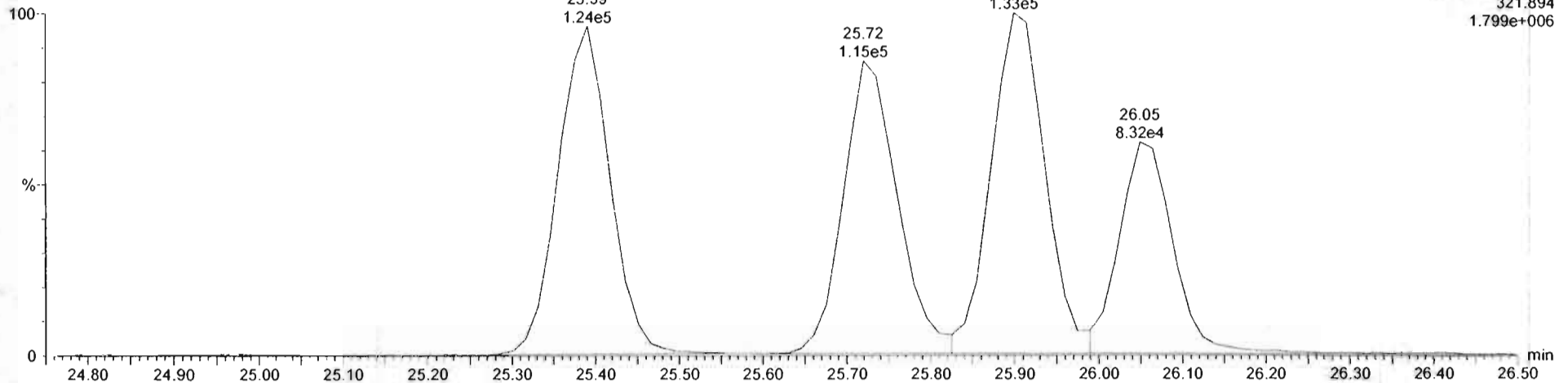
1,3,6,8-TCDD (First)
200429R2_4

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

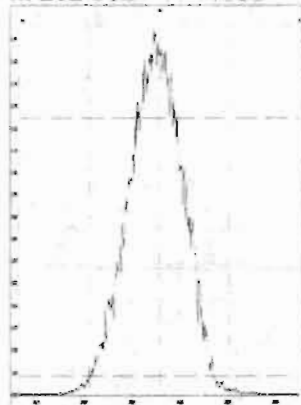
Compound name: 2,3,7,8-TCDD

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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

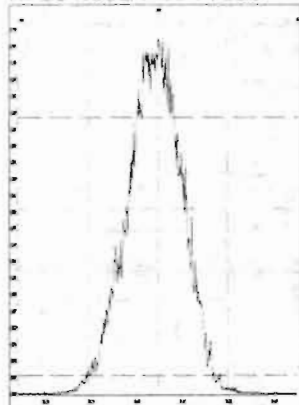
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Printed: Wednesday, April 29, 2020 13:21:30 Pacific Daylight Time

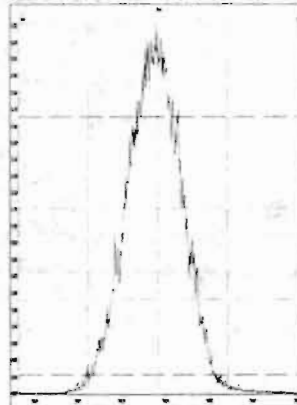
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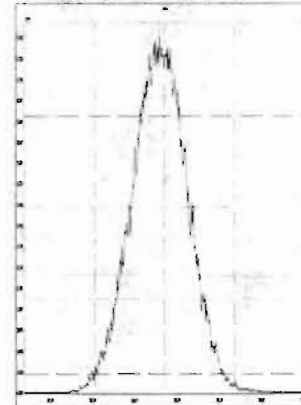
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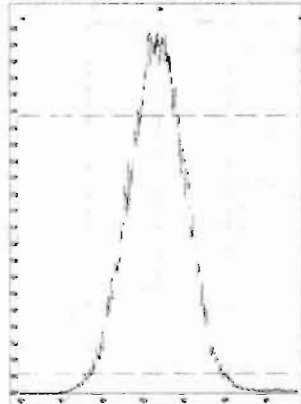
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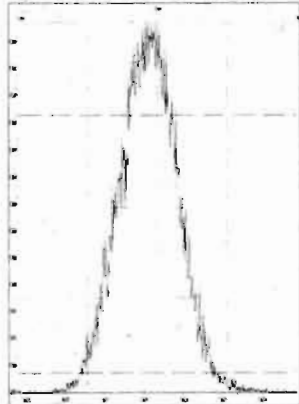
M 330.9792 R 11311



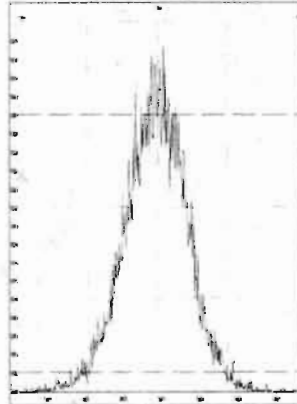
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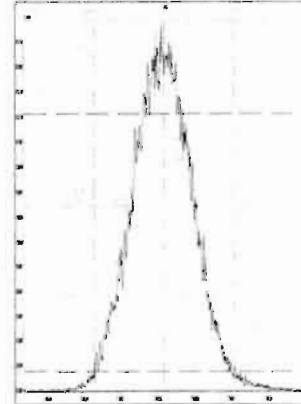
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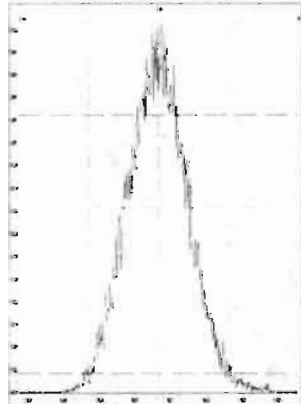
M 366.9792 R 10078



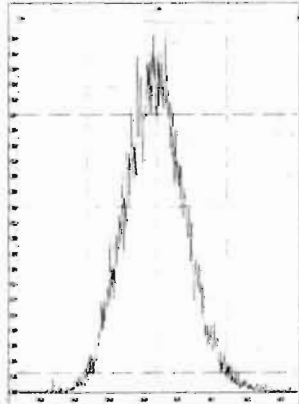
M 380.9760 R 10288



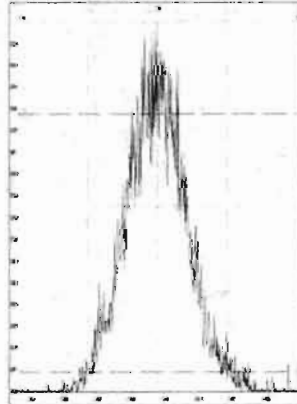
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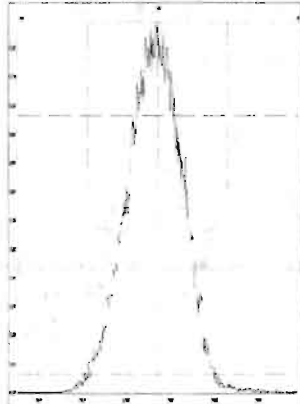
M 416.9760 R 10964



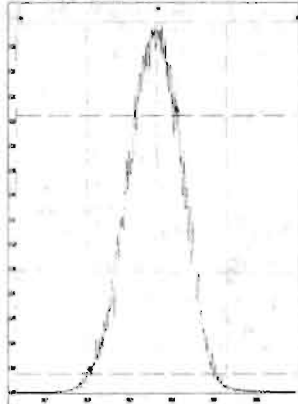
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Printed: Wednesday, April 29, 2020 13:22:18 Pacific Daylight Time

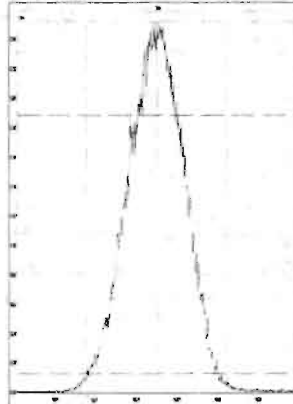
M 318.9792 R 11365



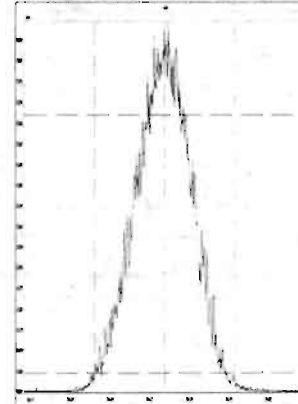
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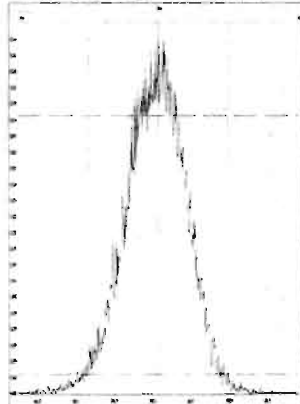
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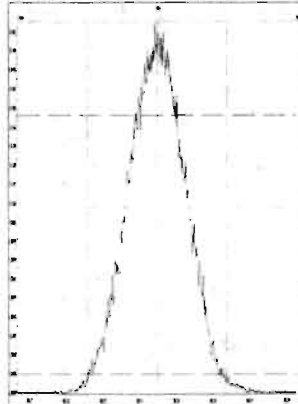
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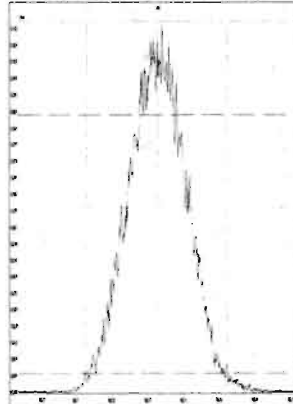
M 366.9792 R 10371



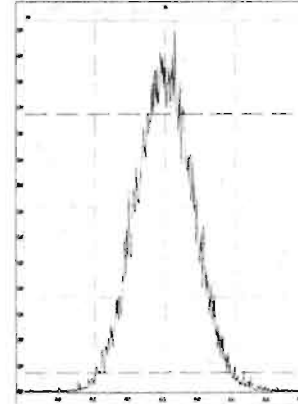
M 380.9760 R 10772



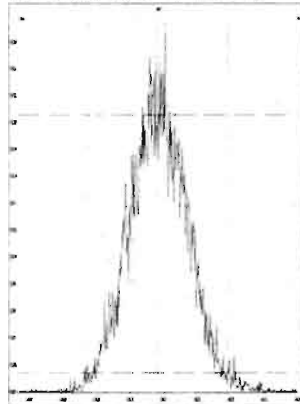
M 392.9760 R 10916



M 404.9760 R 10370



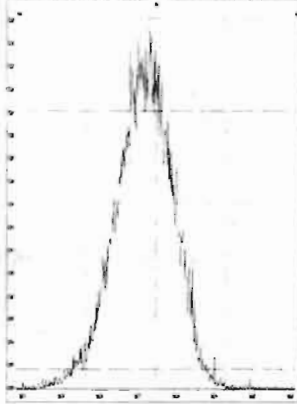
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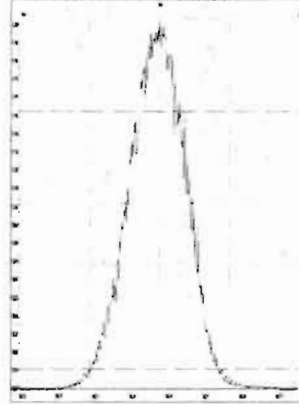
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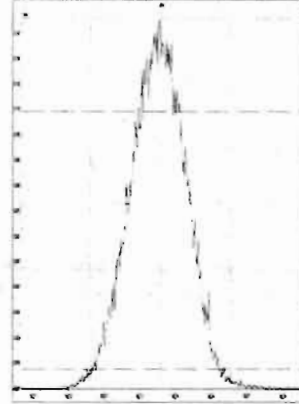
M 366.9792 R 11519



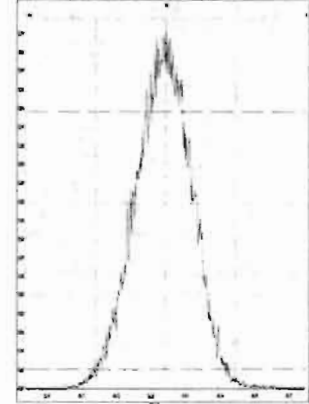
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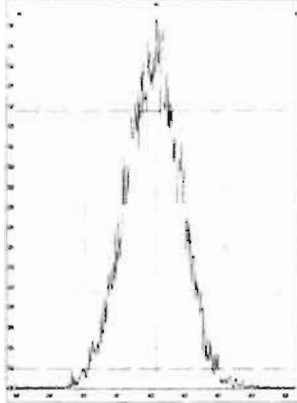
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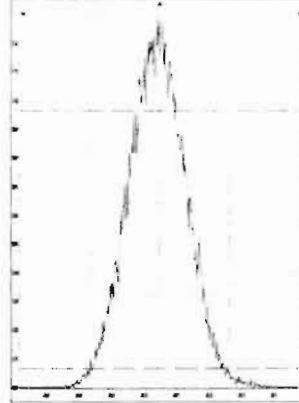
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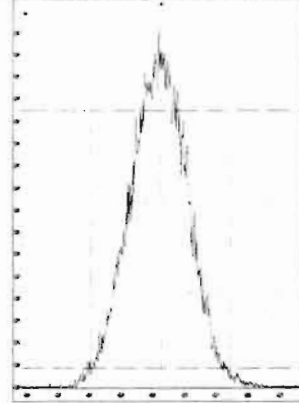
M 416.9760 R 11210



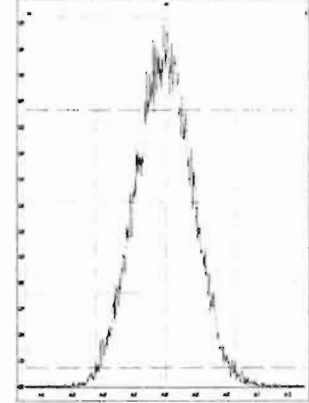
M 430.9728 R 10637



M 442.9728 R 10917



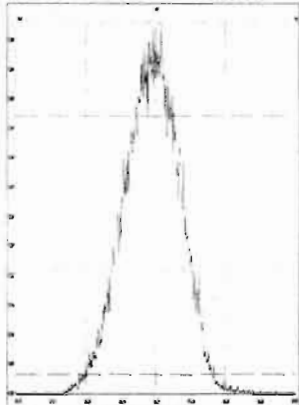
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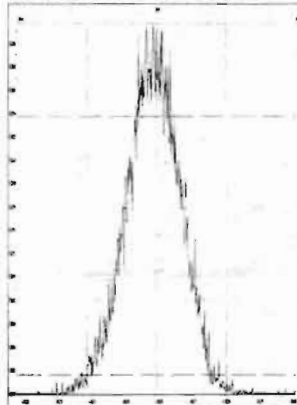
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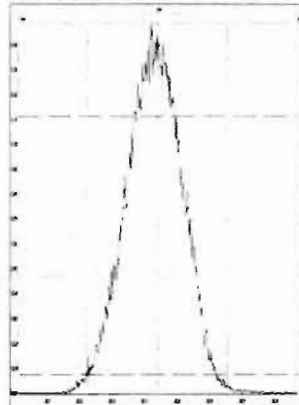
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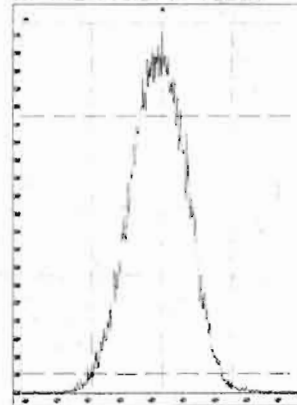
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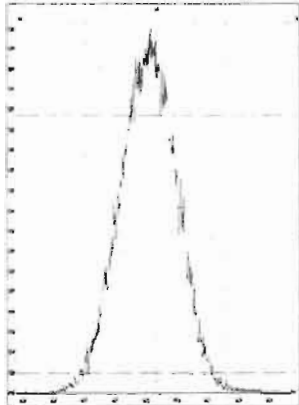
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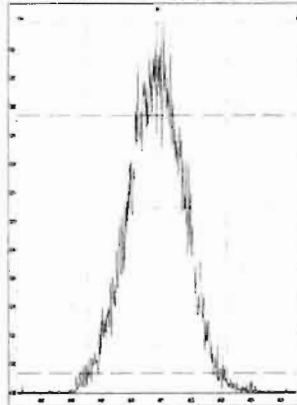
M 442.9728 R 10867



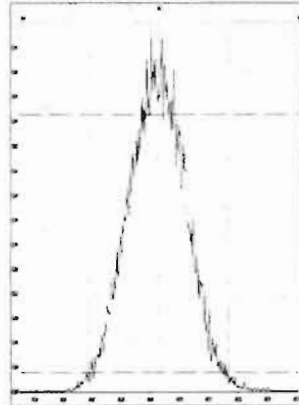
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M 466.9728 R 11846



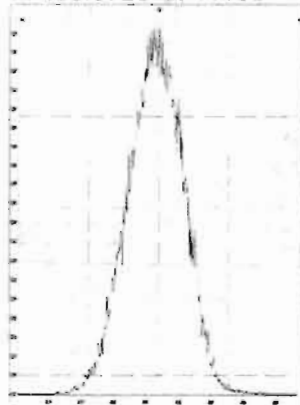
M 480.9696 R 10776



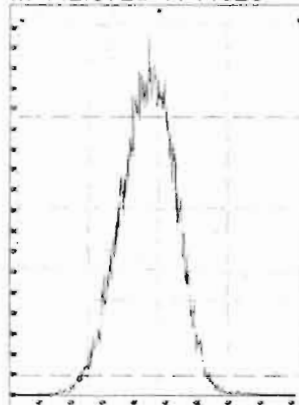
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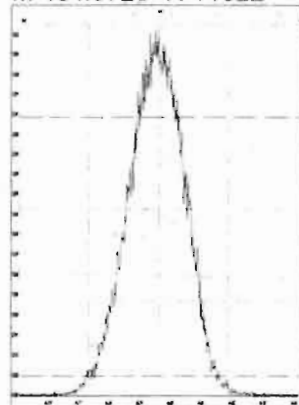
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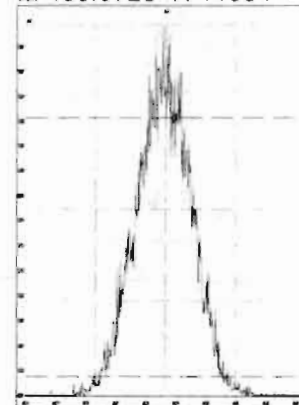
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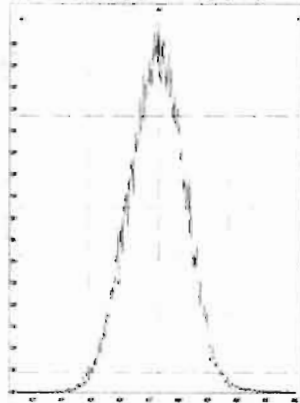
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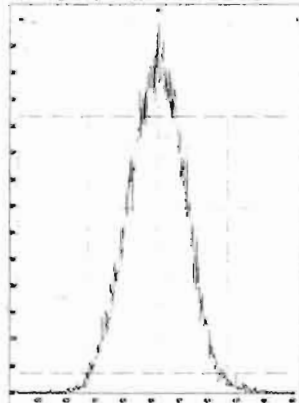
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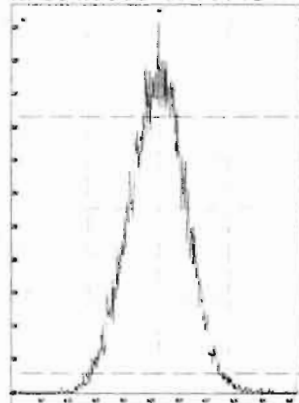
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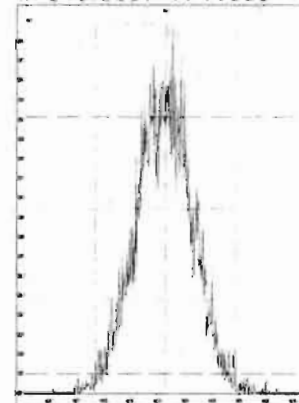
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M 504.9696 R 11110



M 516.9697 R 11365



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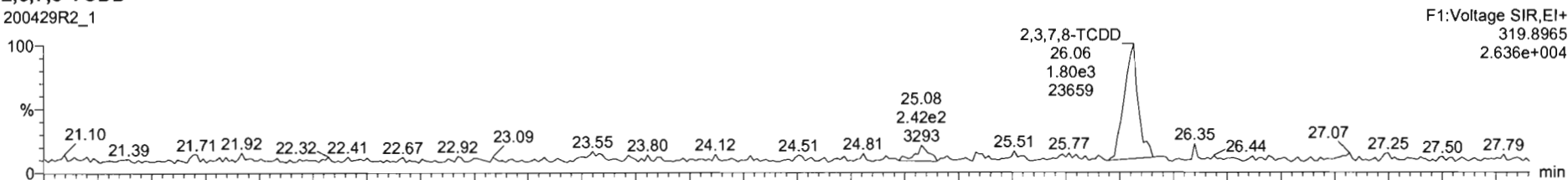
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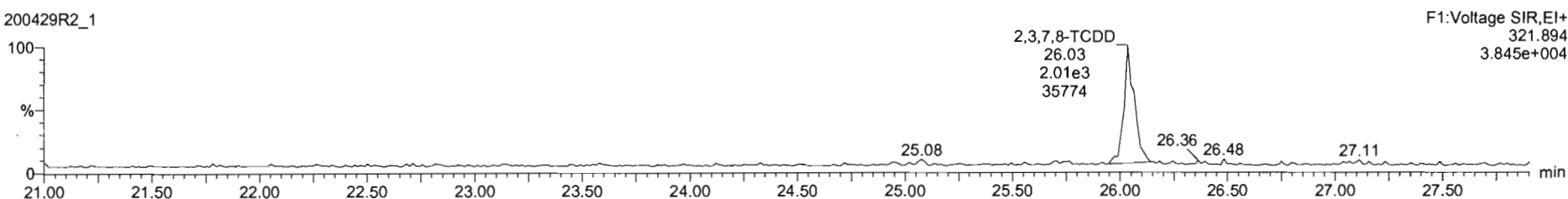
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2,3,7,8-TCDD

200429R2_1

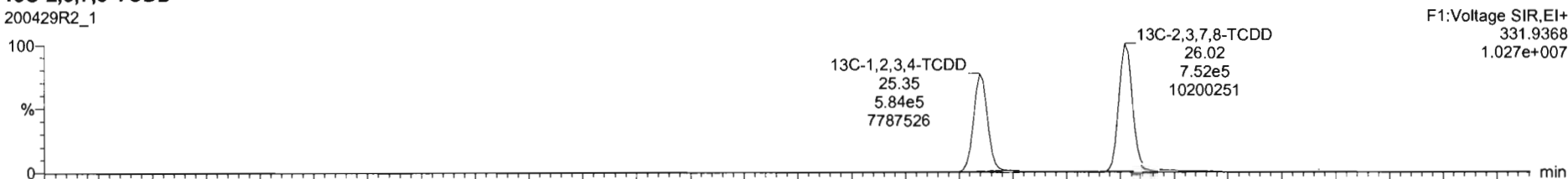


200429R2_1

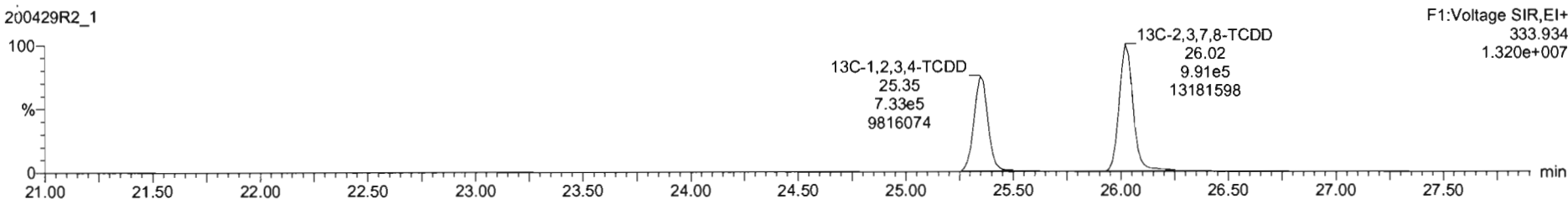


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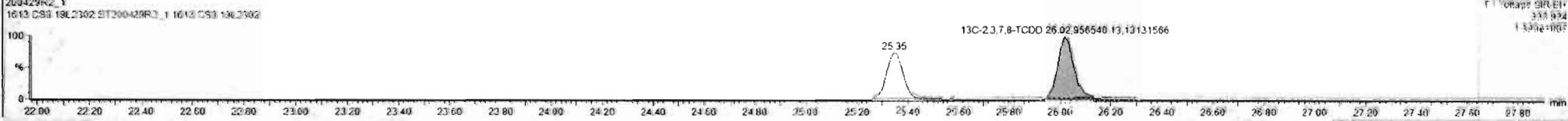
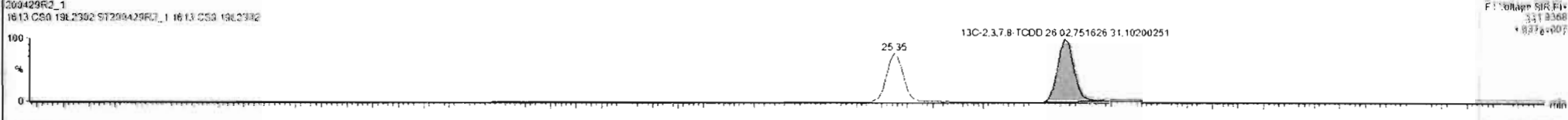
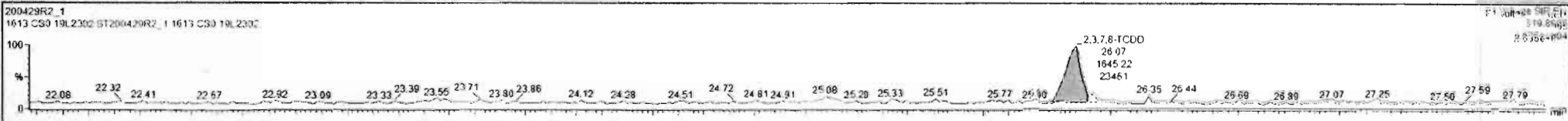
200429R2_1



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	0.0566
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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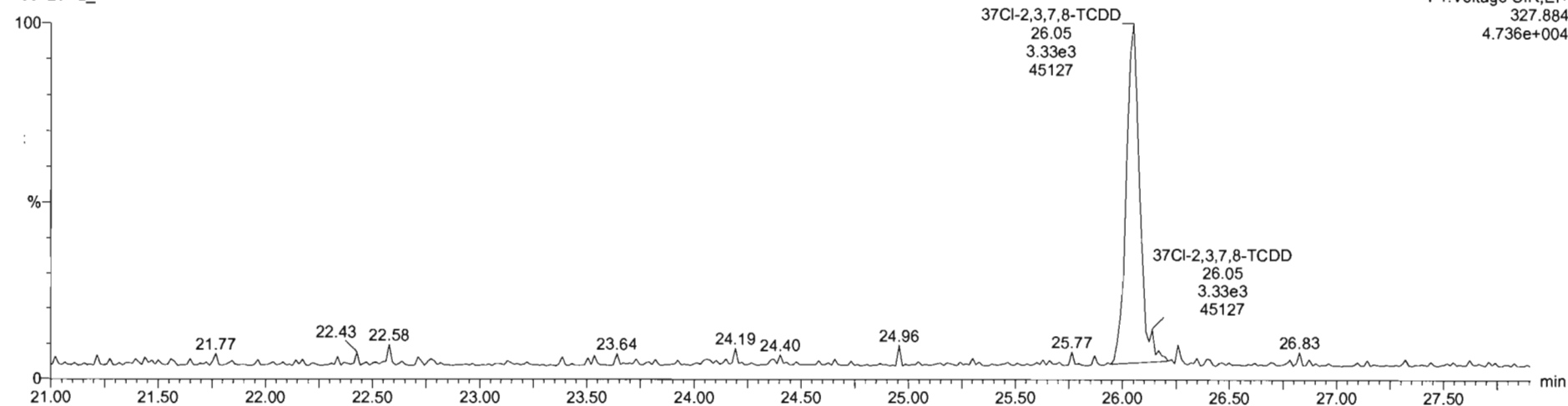
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Name: 200429R2_1, Date: 29-Apr-2020, Time: 13:27:25, ID: ST200429R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

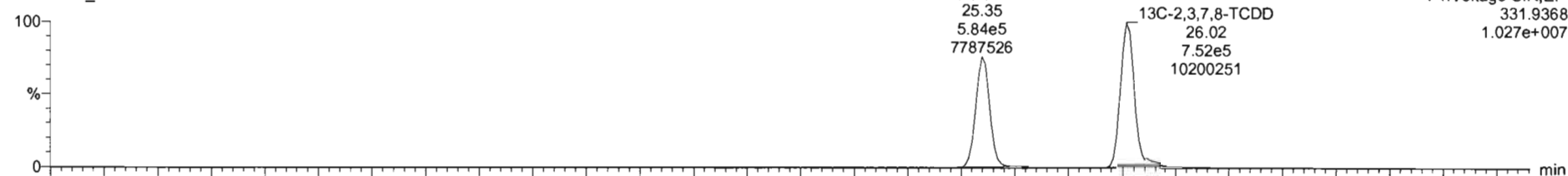
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200429R2_1

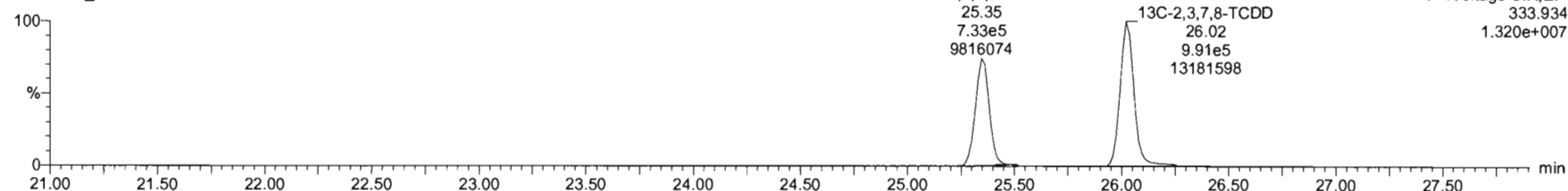


13C-1,2,3,4-TCDD

200429R2_1



200429R2_1



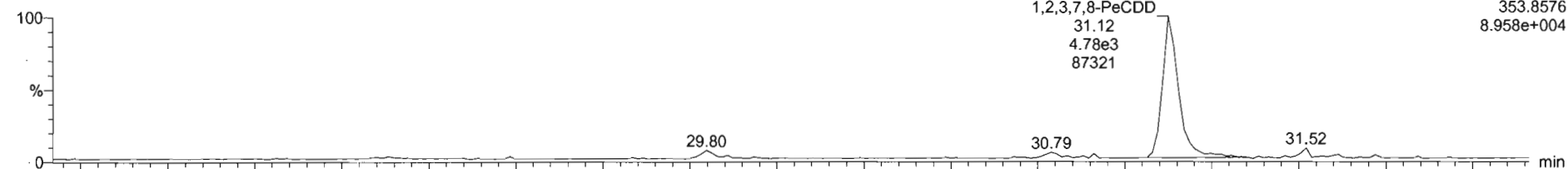
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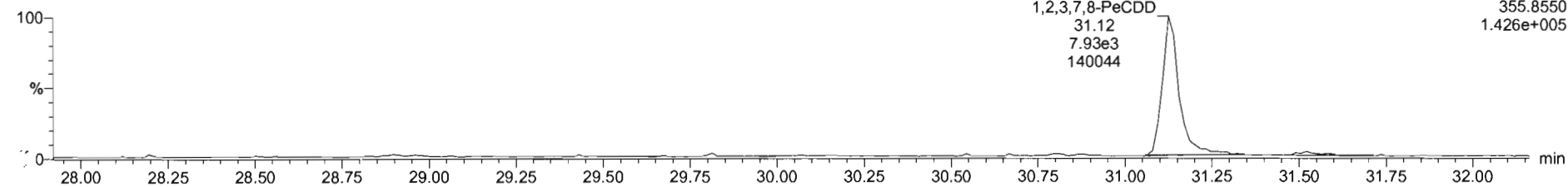
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1,2,3,7,8-PeCDD

200429R2_1

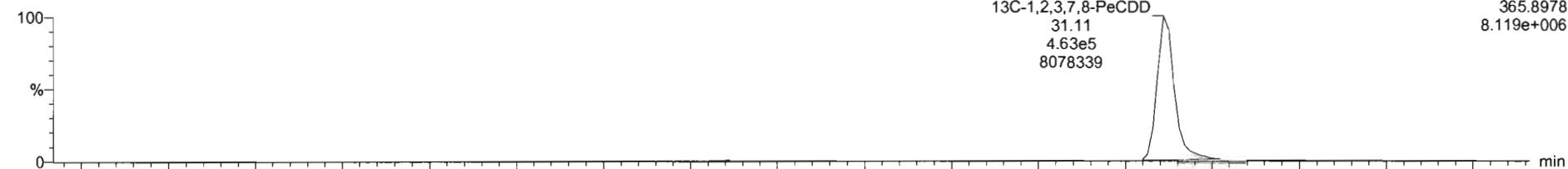


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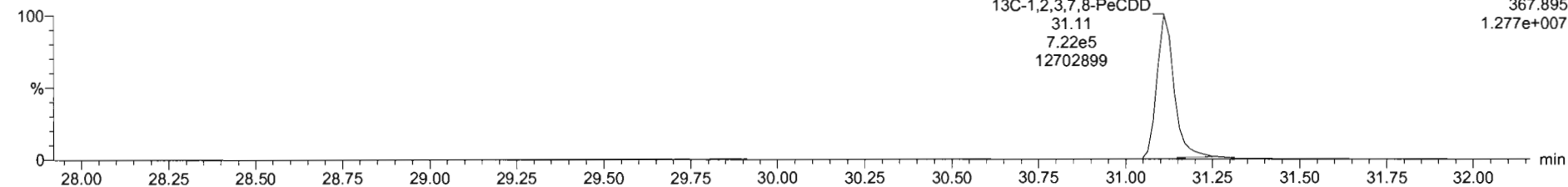


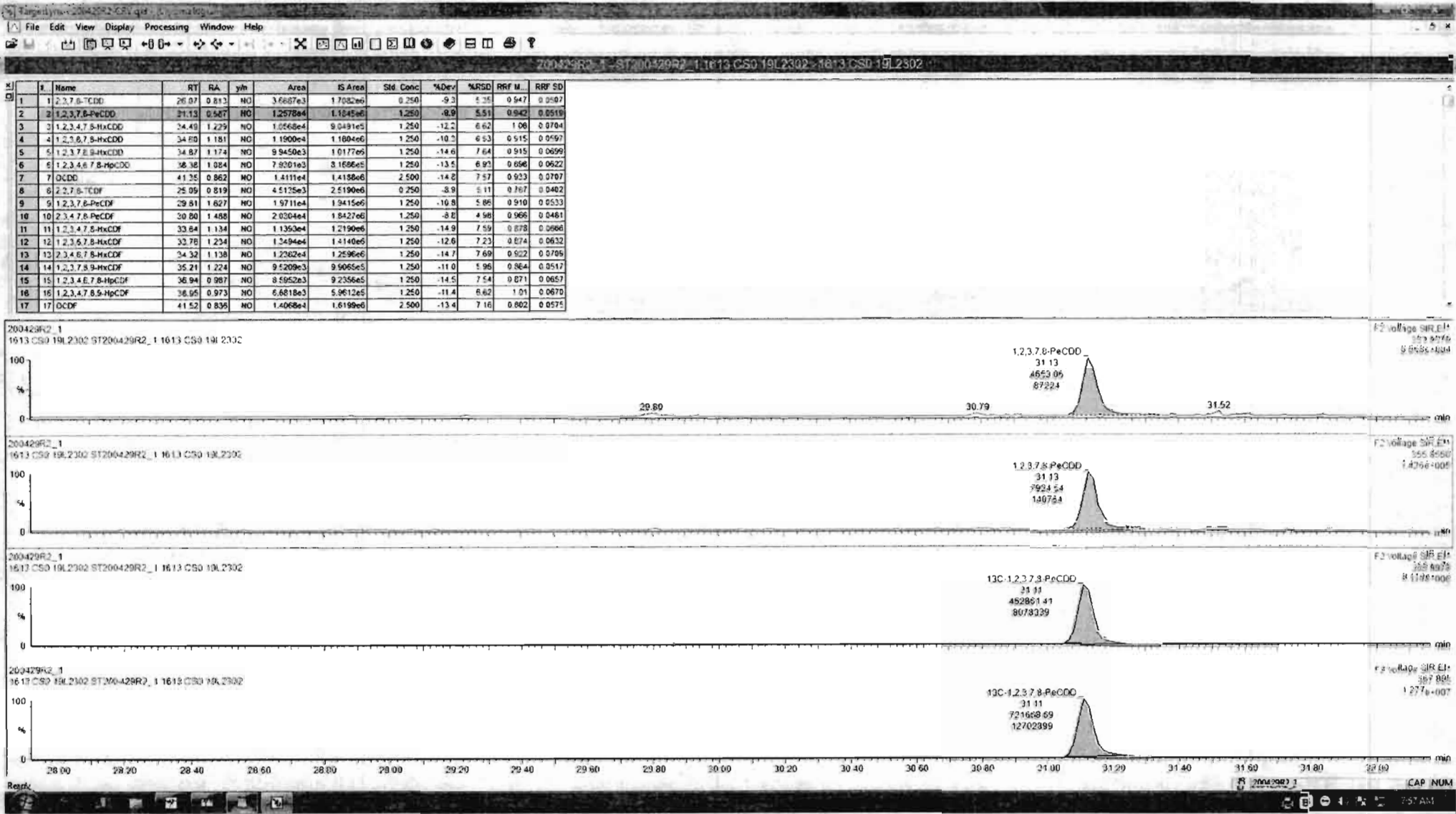
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200429R2_1



200429R2_1





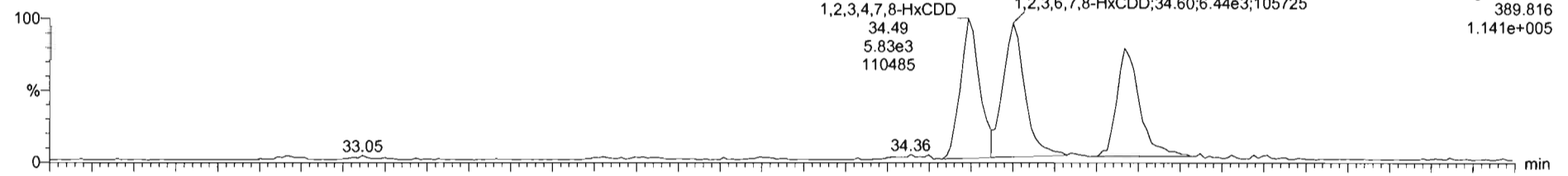
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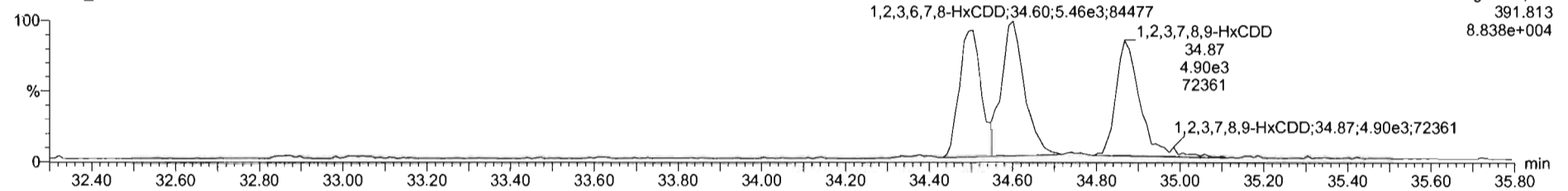
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1,2,3,4,7,8-HxCDD

200429R2_1

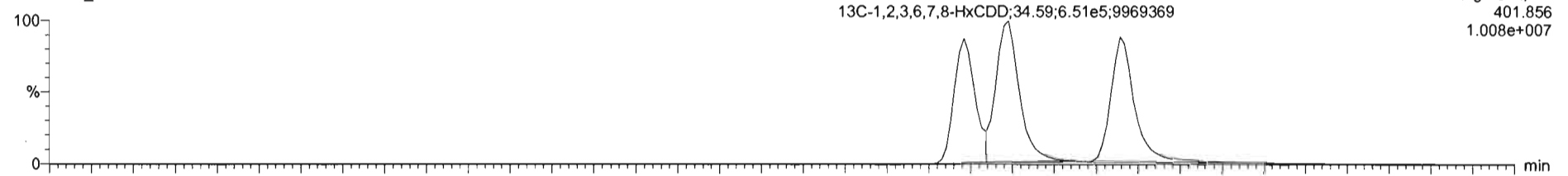


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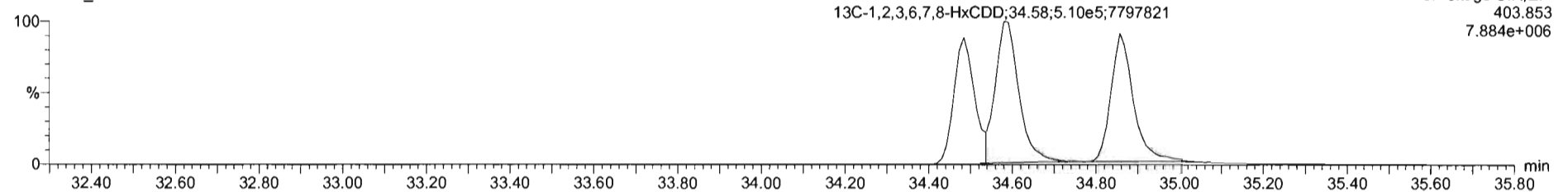


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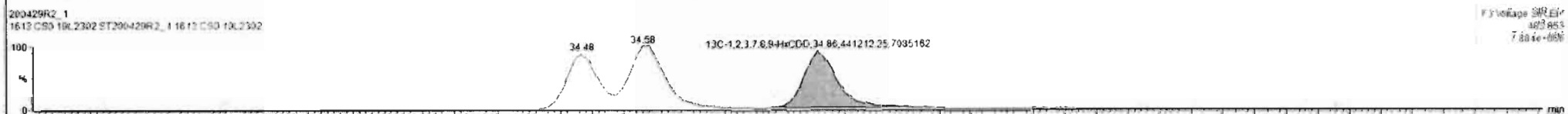
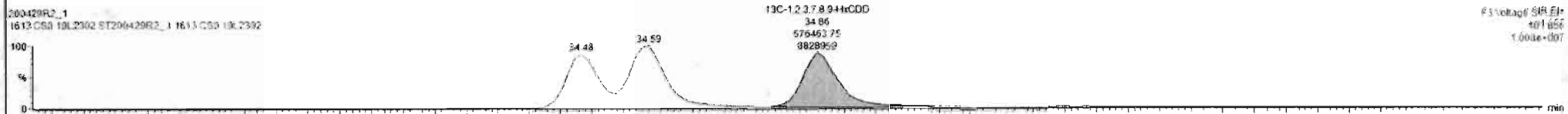
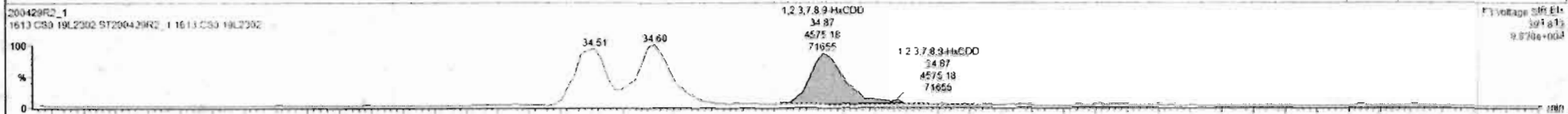
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200429R2_1



#	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	1,2,3,6,7,8-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-HxCDF	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	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	1.4066e4	1.6189e6	2.500	-13.4	7.16	0.802	0.0575



Custom Reporting: Select reports to generate

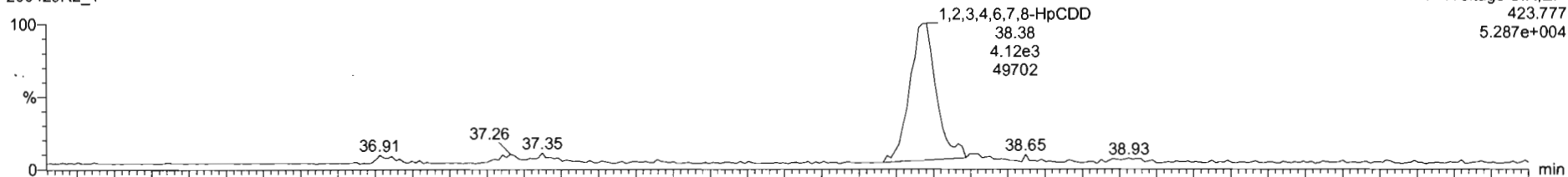
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Last Altered: Thursday, April 30, 2020 7:55:03 AM Pacific Daylight Time
Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

Name: 200429R2_1, Date: 29-Apr-2020, Time: 13:27:25, ID: ST200429R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

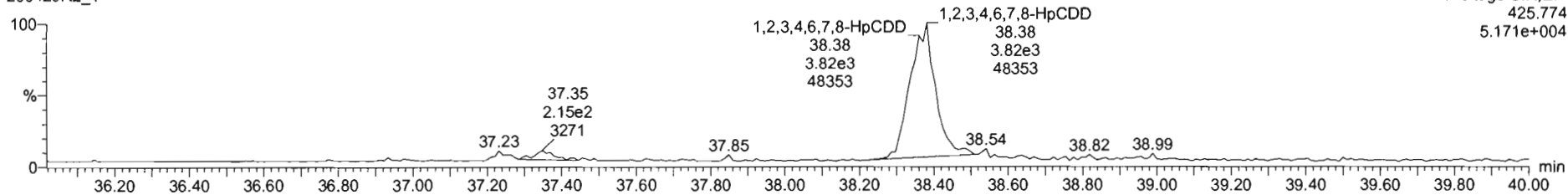
1,2,3,4,6,7,8-HpCDD

200429R2_1



F4:Voltage SIR,EI+
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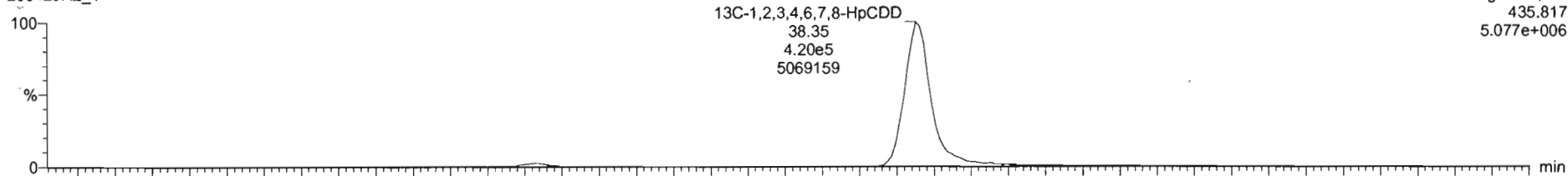
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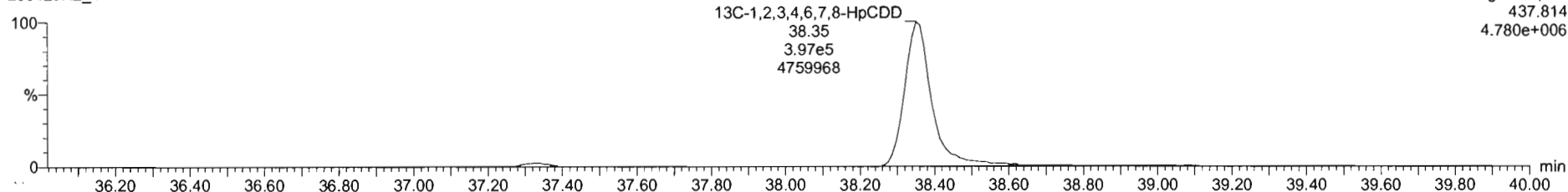
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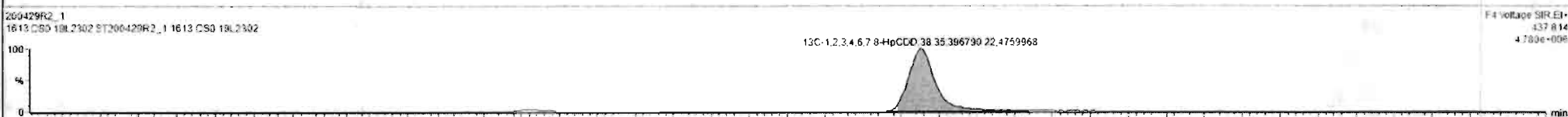
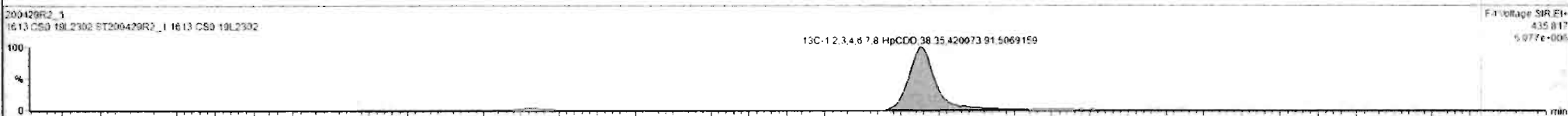
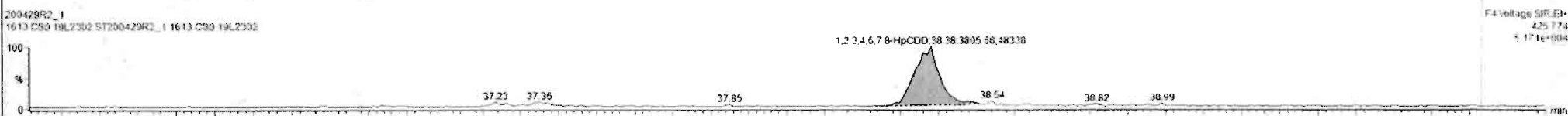
F4:Voltage SIR,EI+
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200429R2_1



F4:Voltage SIR,EI+
437.814
4.780e+006

#	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	0.0699
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	1,2,3,6,7,8-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	38.94	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



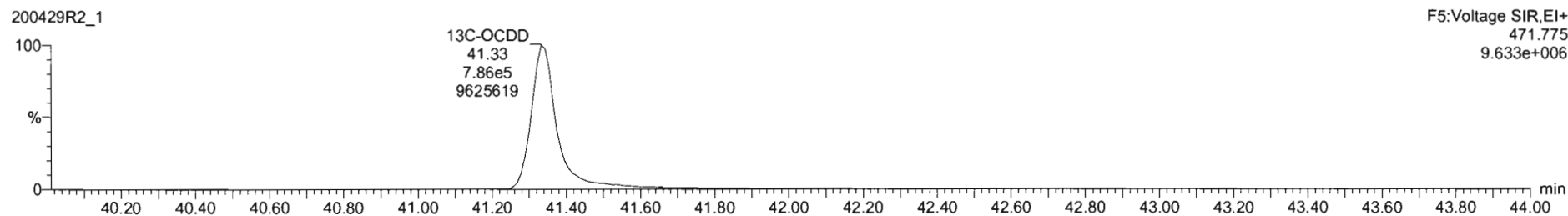
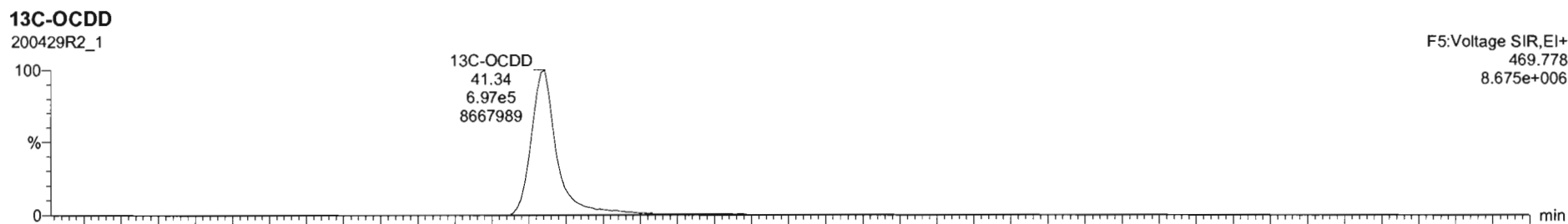
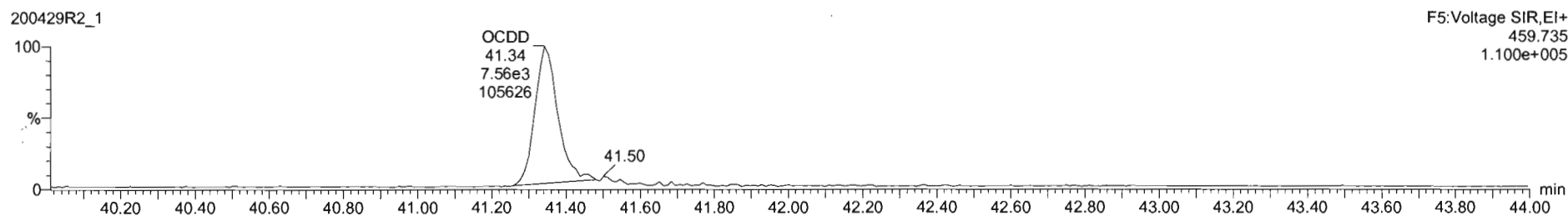
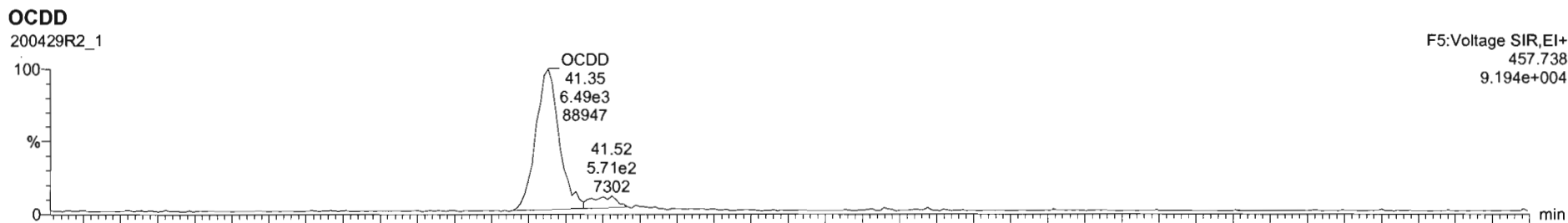
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

Name: 200429R2_1, Date: 29-Apr-2020, Time: 13:27:25, ID: ST200429R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302



#	Name	RT	RA	Yn	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	-14.5	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	1.1353e4	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



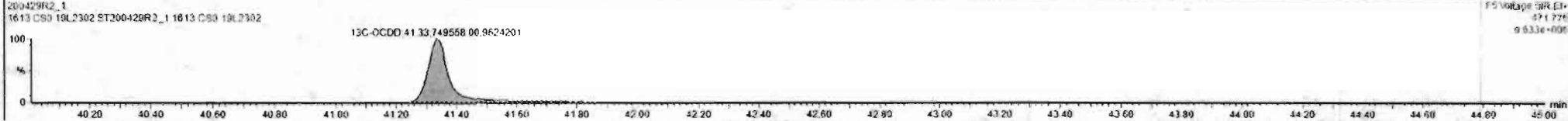
F5 Voltage 98R.EI+
467.736
9.194e+004



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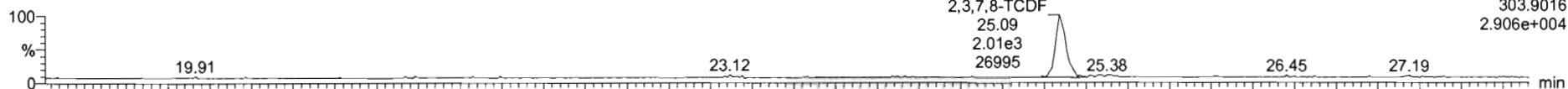
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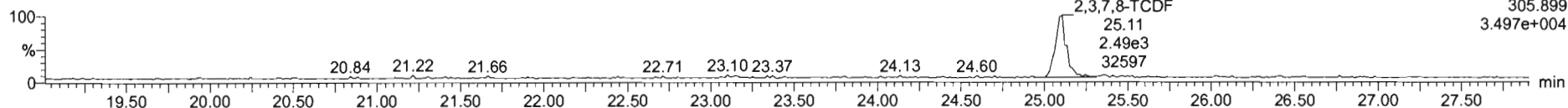
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2,3,7,8-TCDF

200429R2_1

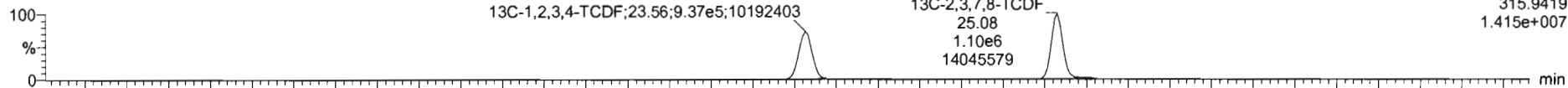


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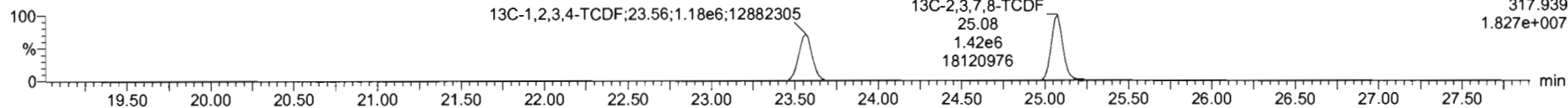


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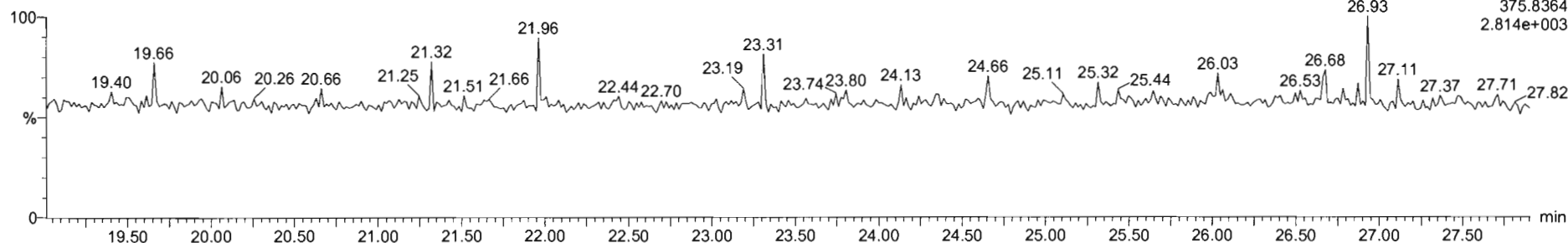


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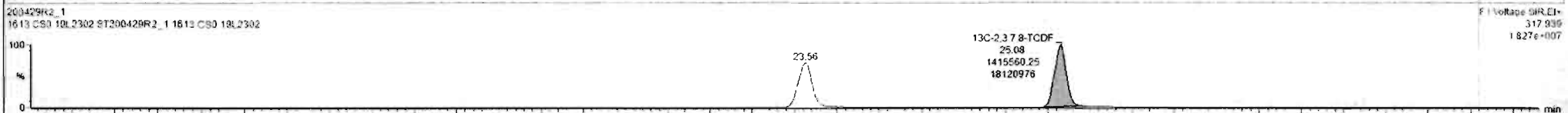
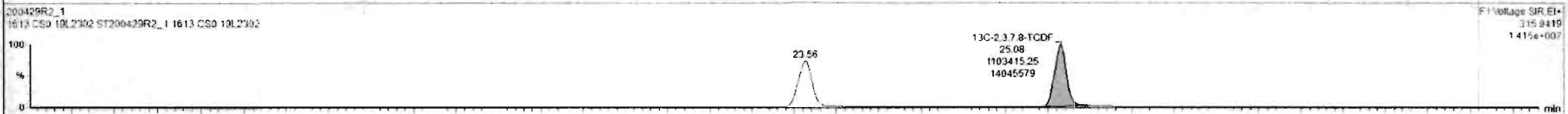
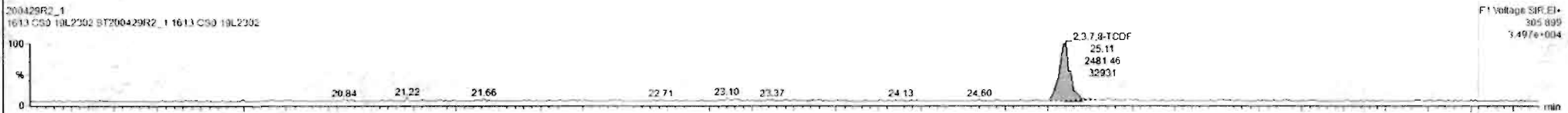
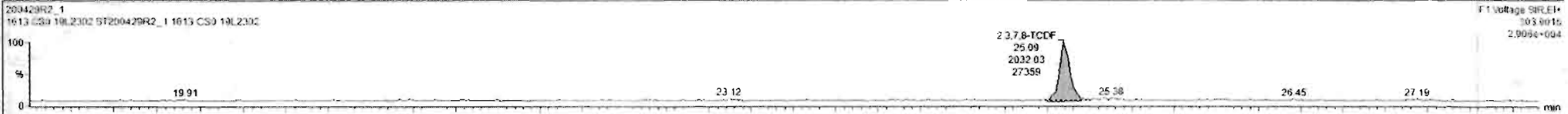


DPE1

200429R2_1



#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDF	26.07	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	1.8427e6	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	-14.3	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	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.8018e3	5.9812e5	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

3:57 AM

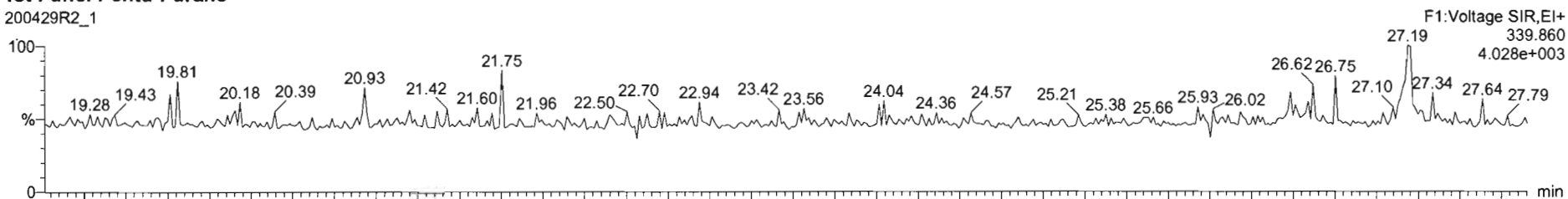
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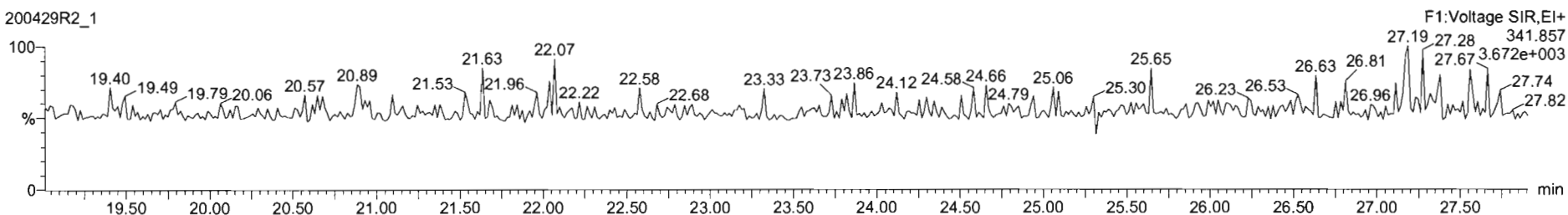
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1st Func. Penta-Furans

200429R2_1

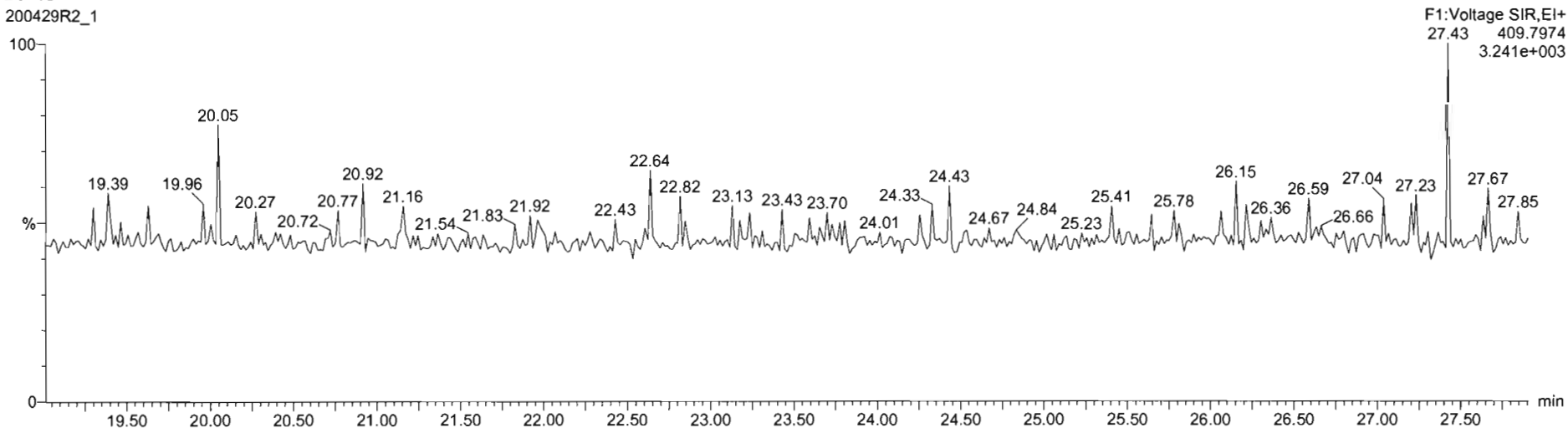


200429R2_1



DPE6

200429R2_1

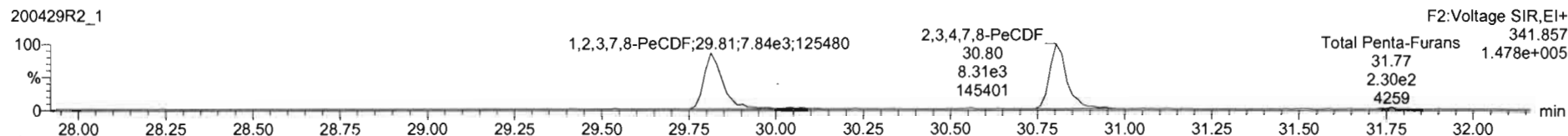
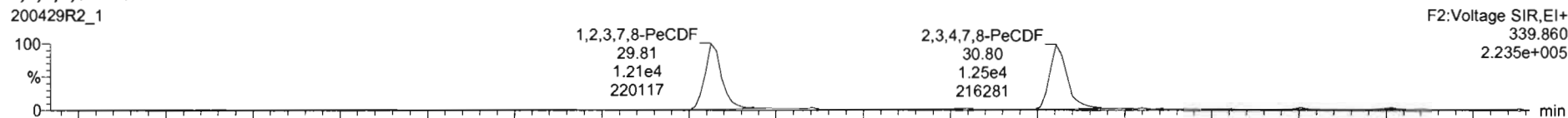


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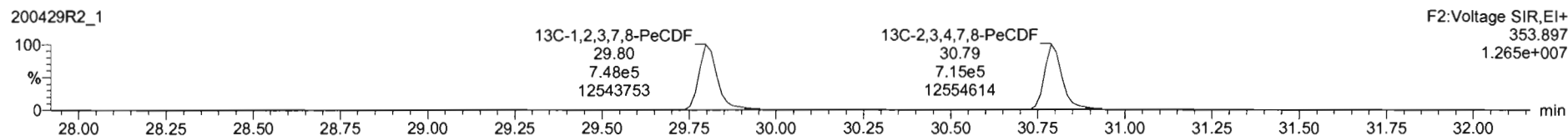
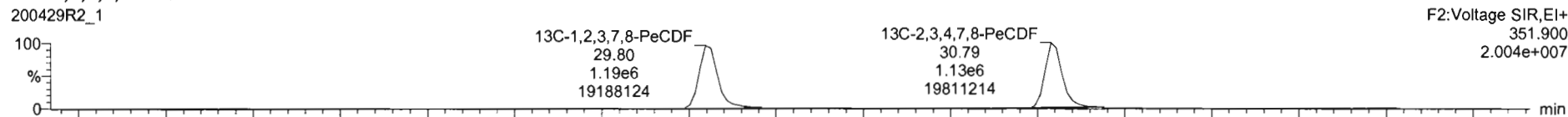
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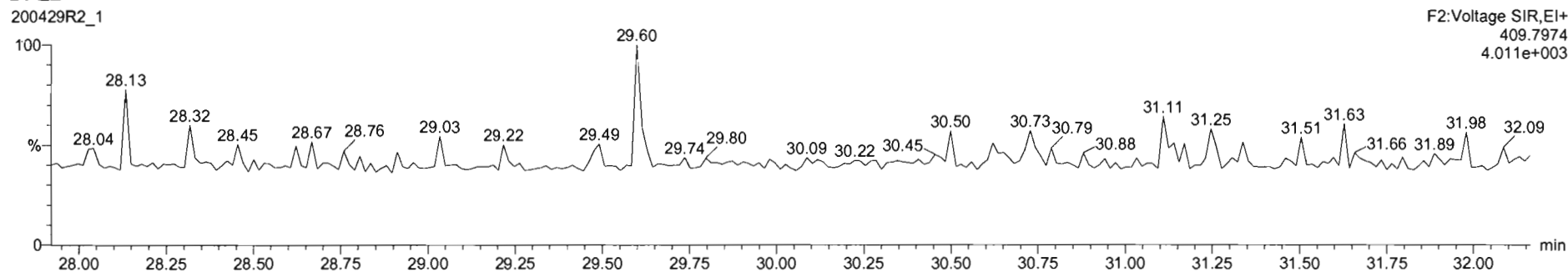
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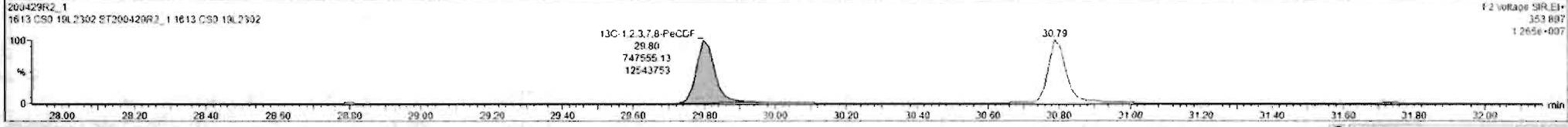
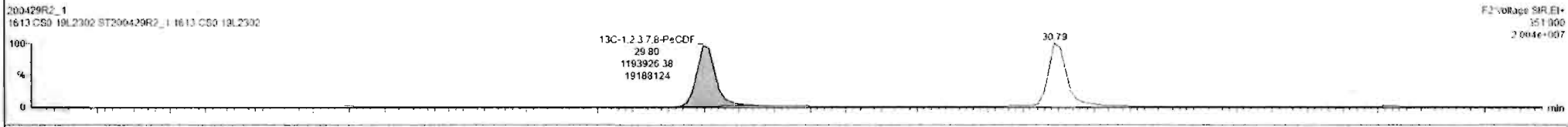
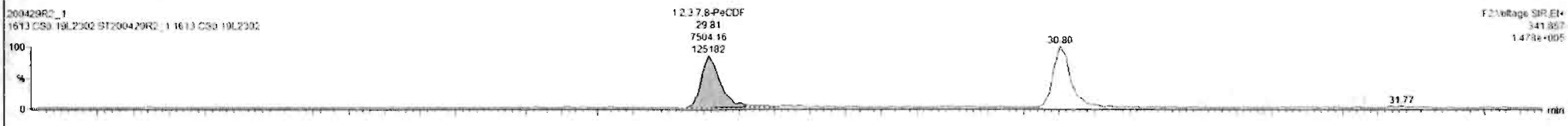
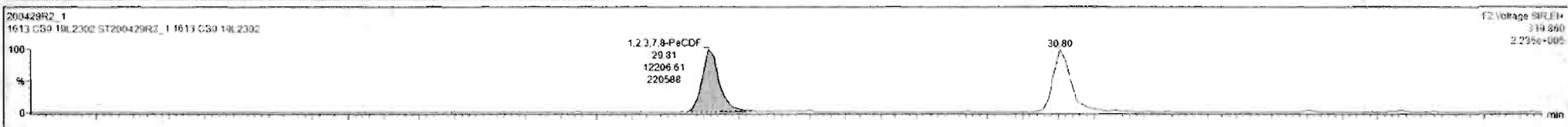
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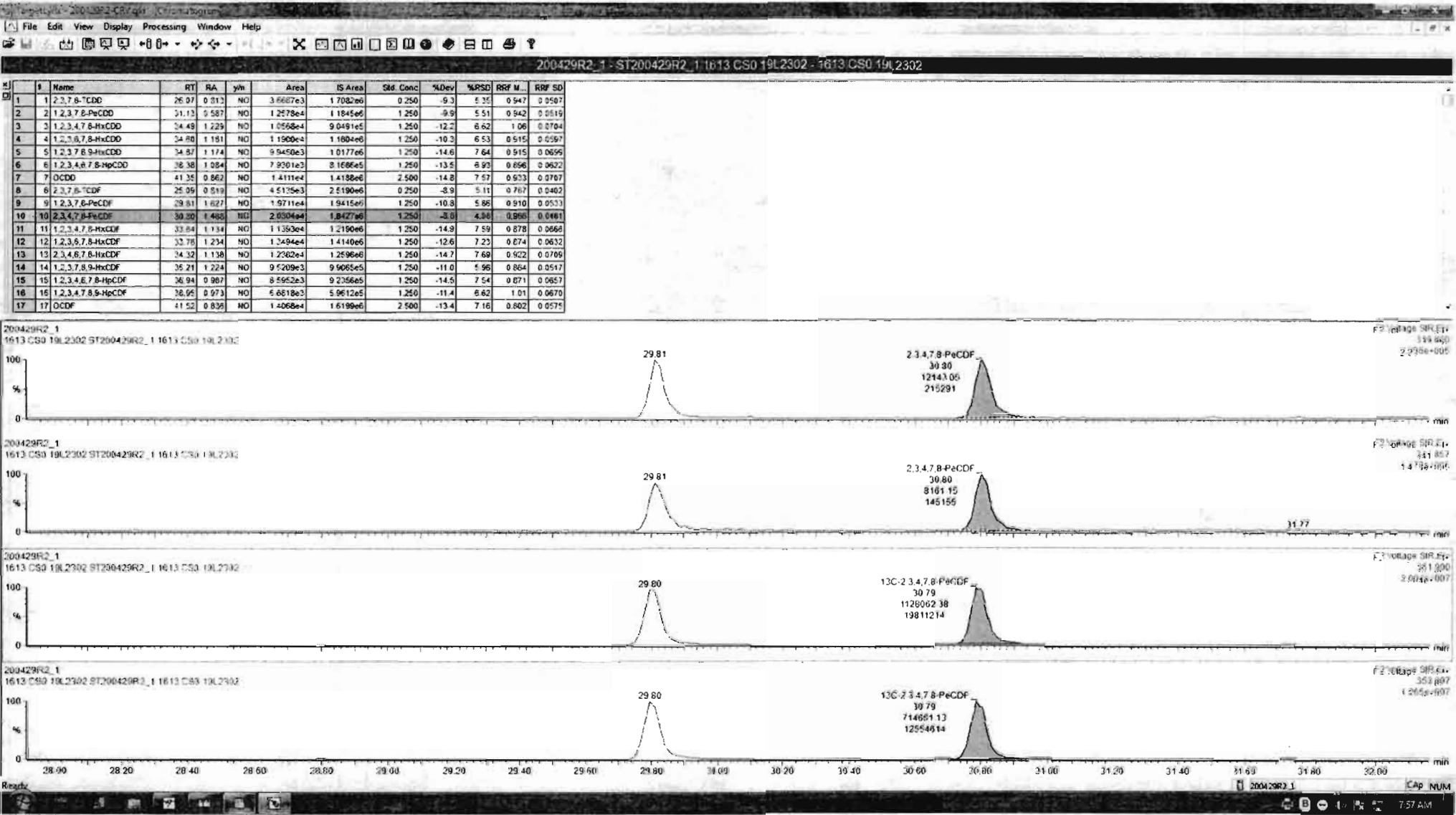


DPE2



#	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	1.2242e4	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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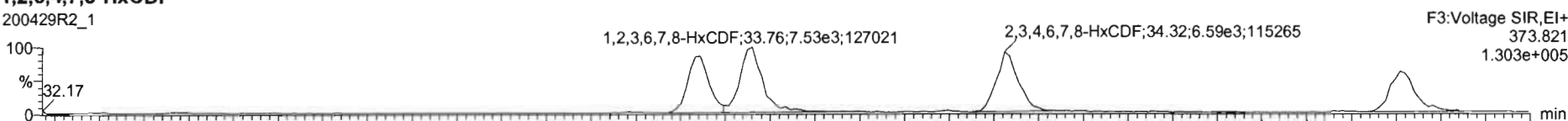
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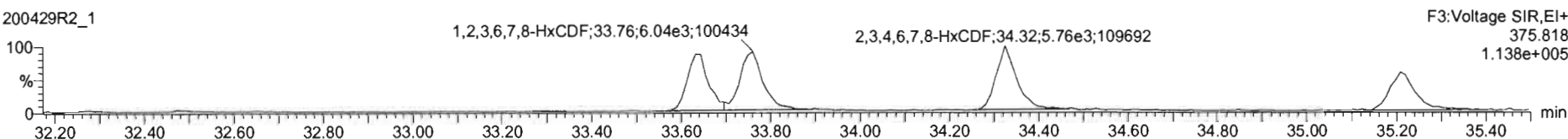
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200429R2_1

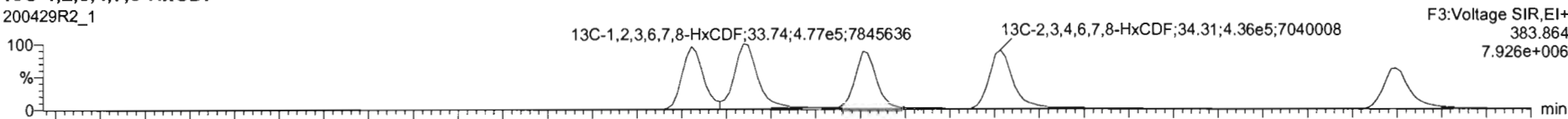


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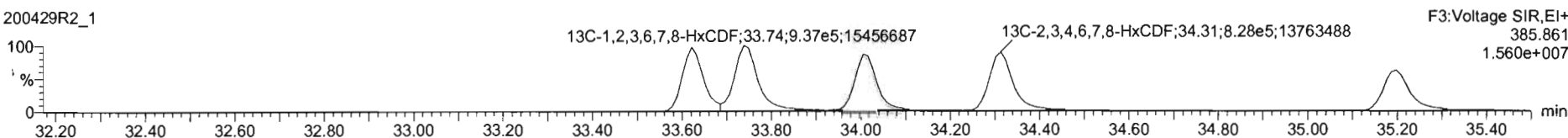


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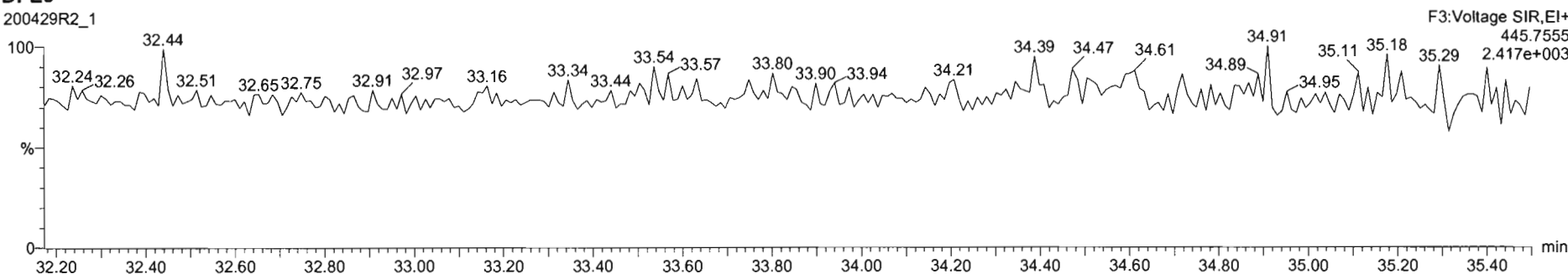


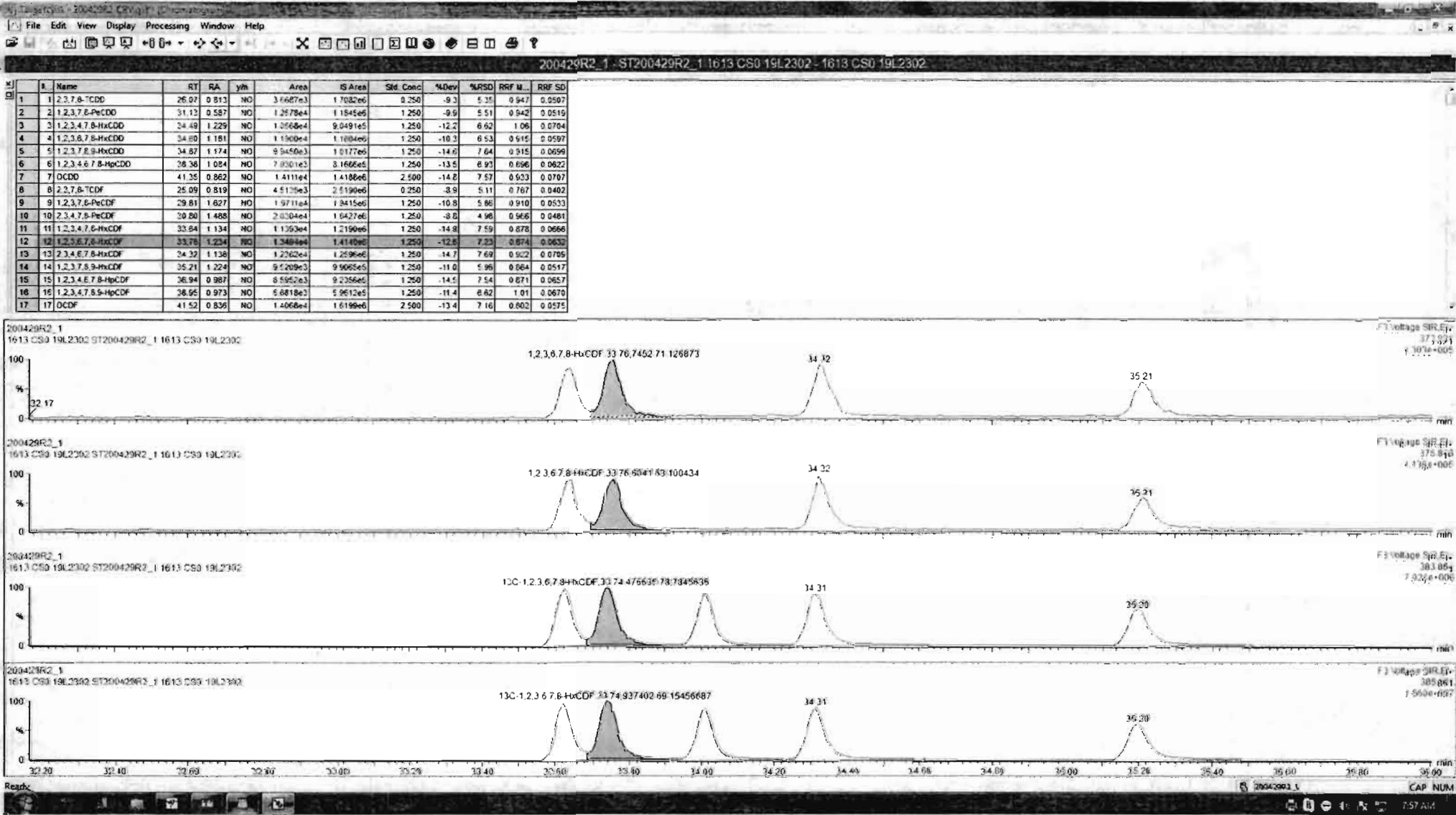
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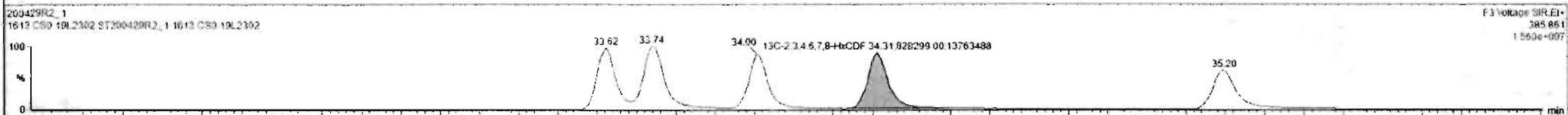
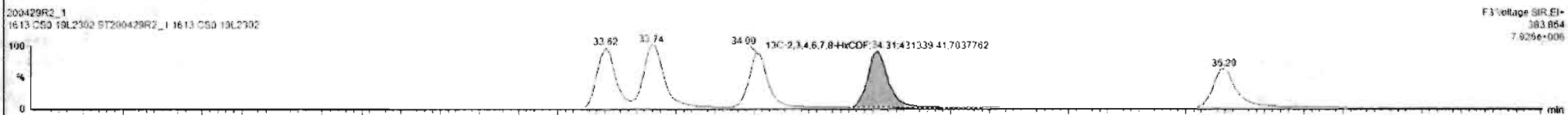
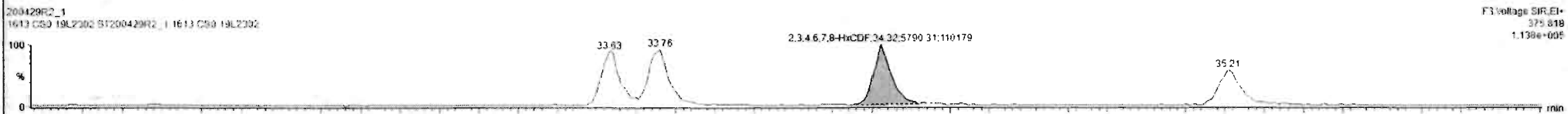
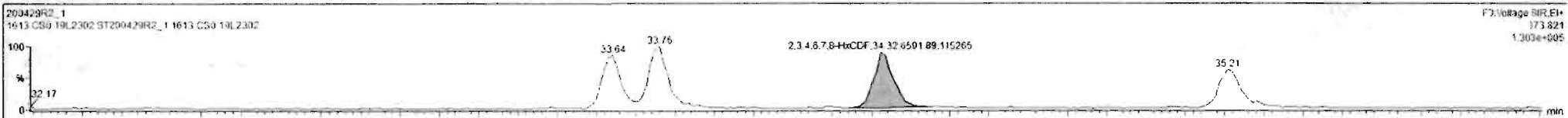
DPE3

200429R2_1





Sl	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	28.07	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	1.2478e4	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	OCDF	41.52	0.836	NO	1.4068e4	1.6189e6	2.500	-13.4	7.16	0.802	0.0575



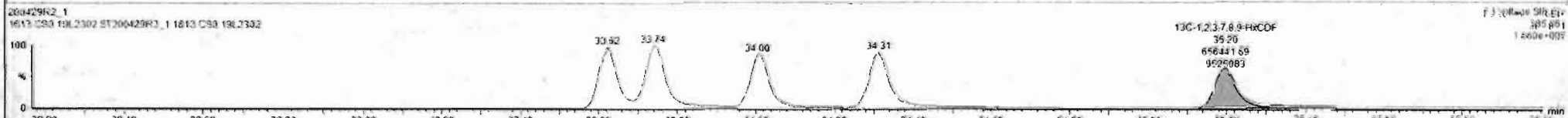
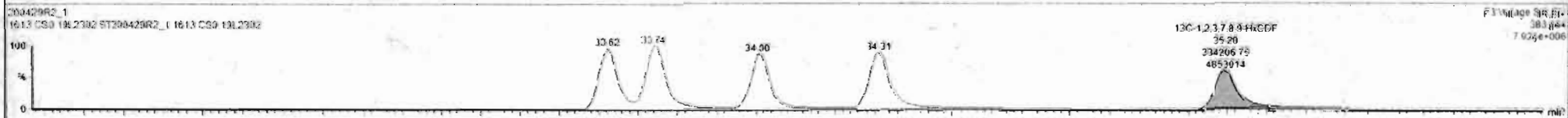
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200429R2_1

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7:58 AM

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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-HxCDF	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	7.901e3	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	-14.8	7.57	0.623	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	1,2,3,7,6-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	2.004e4	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	1.1363e4	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	1.2494e4	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	1.2062e4	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	1.4068e4	1.6199e6	2.500	-13.4	7.16	0.802	0.0575



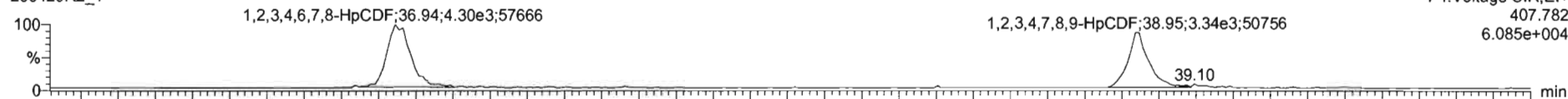
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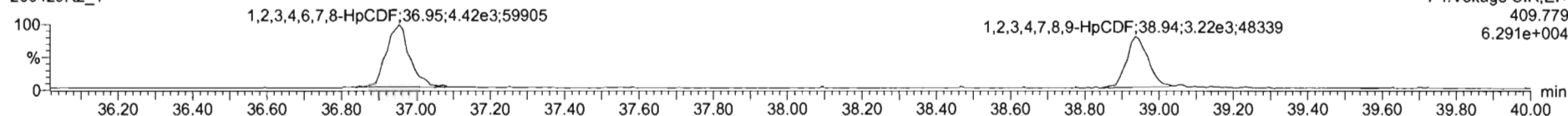
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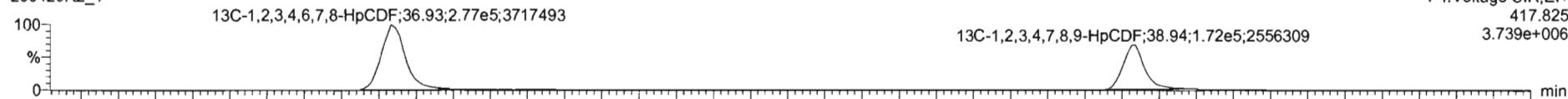


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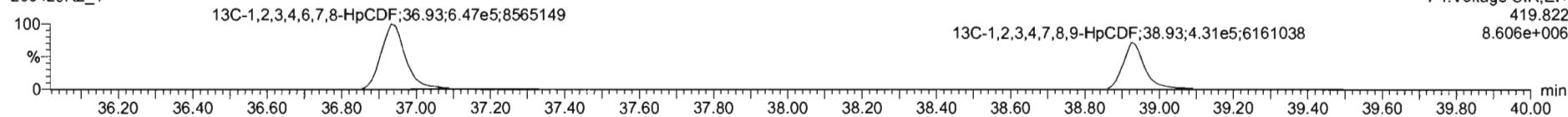


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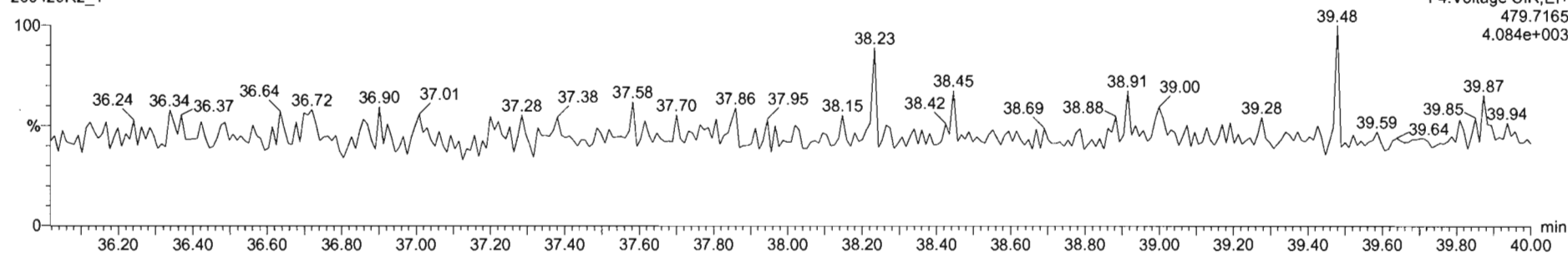


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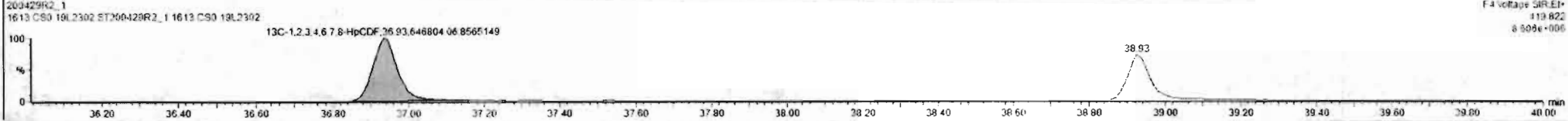
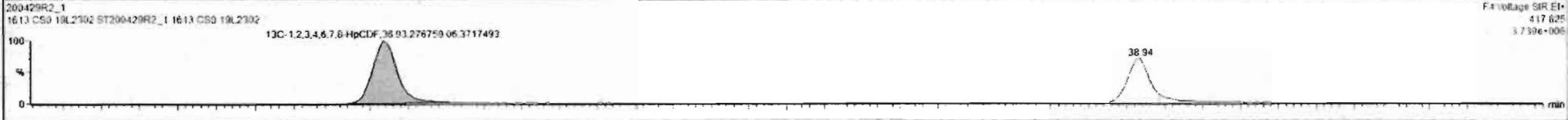
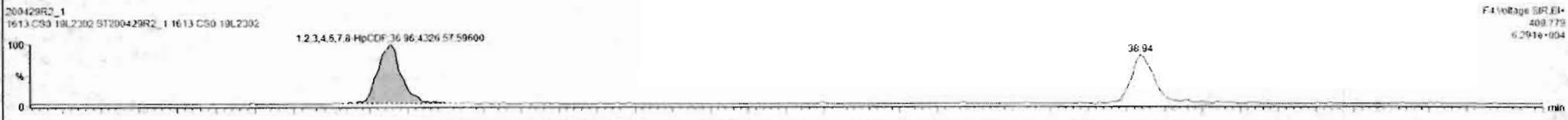
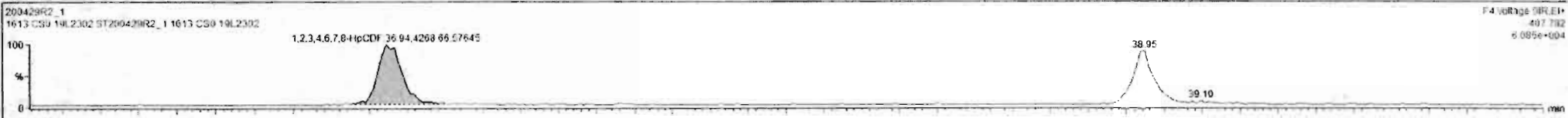


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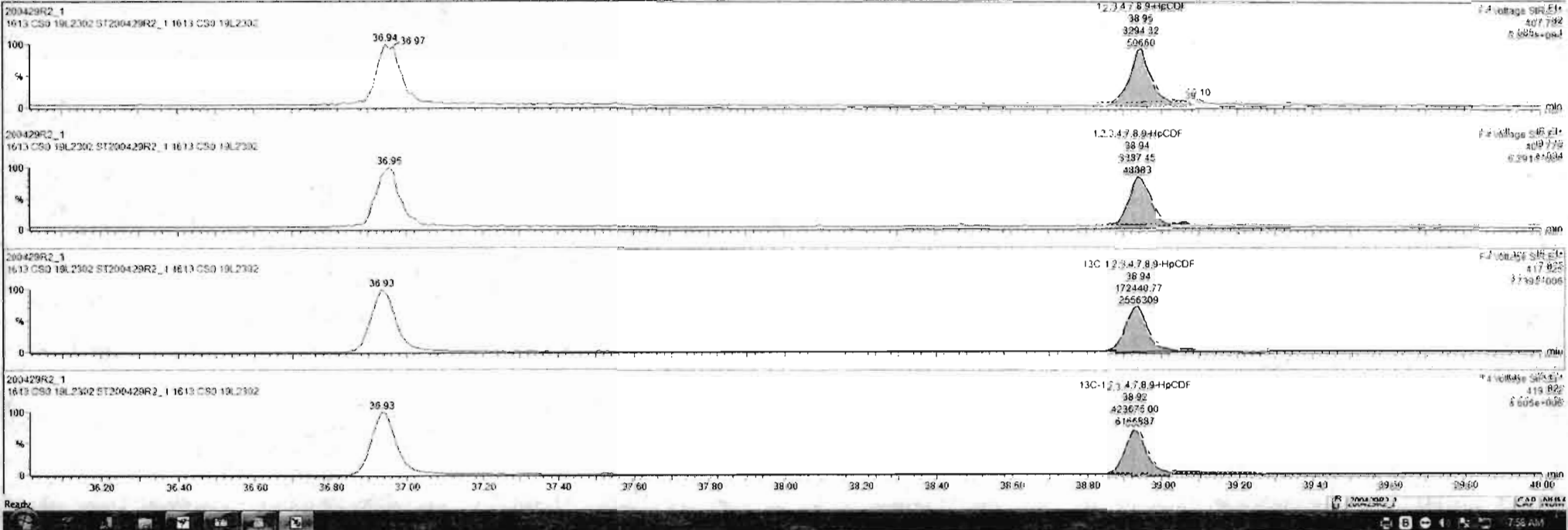
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#	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.813	NO	3.6687e3	1.7087e6	0.250	-9.3	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2678e4	1.1845e6	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	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	1,2,7,8-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	-10.3	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	36.36	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



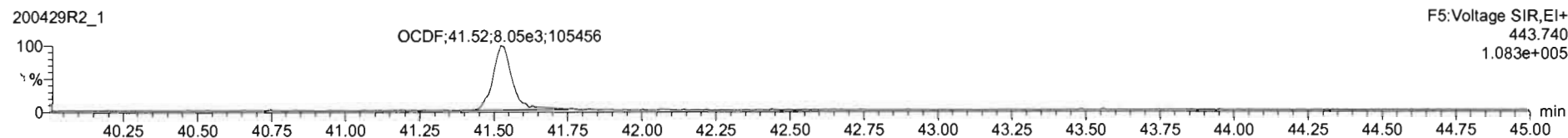
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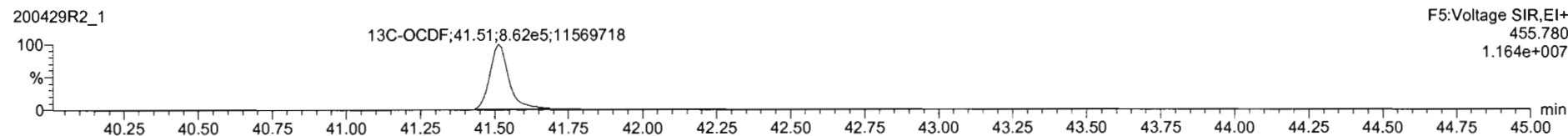
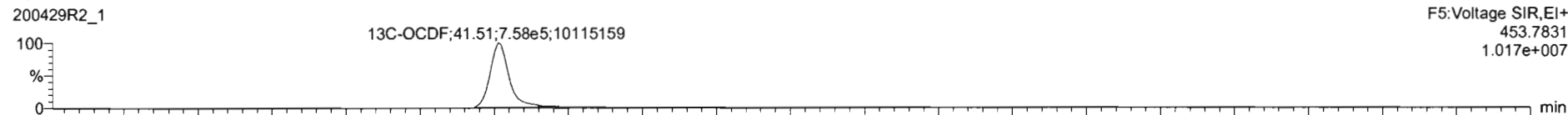
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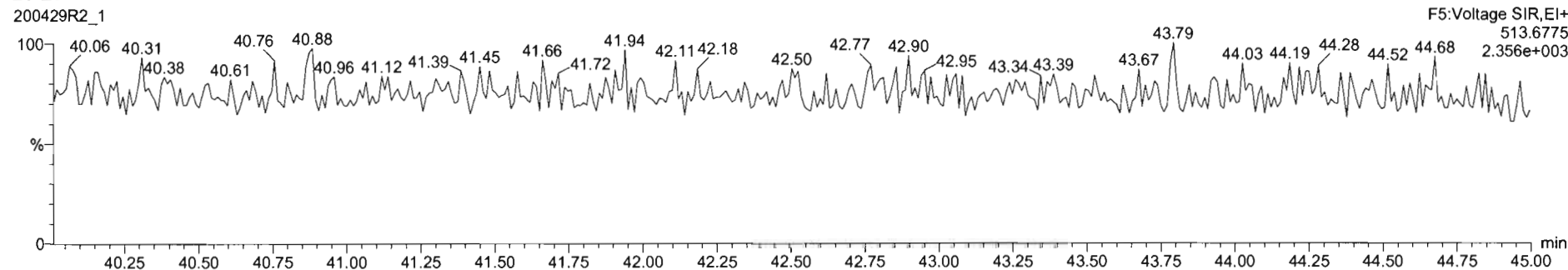
OCDF

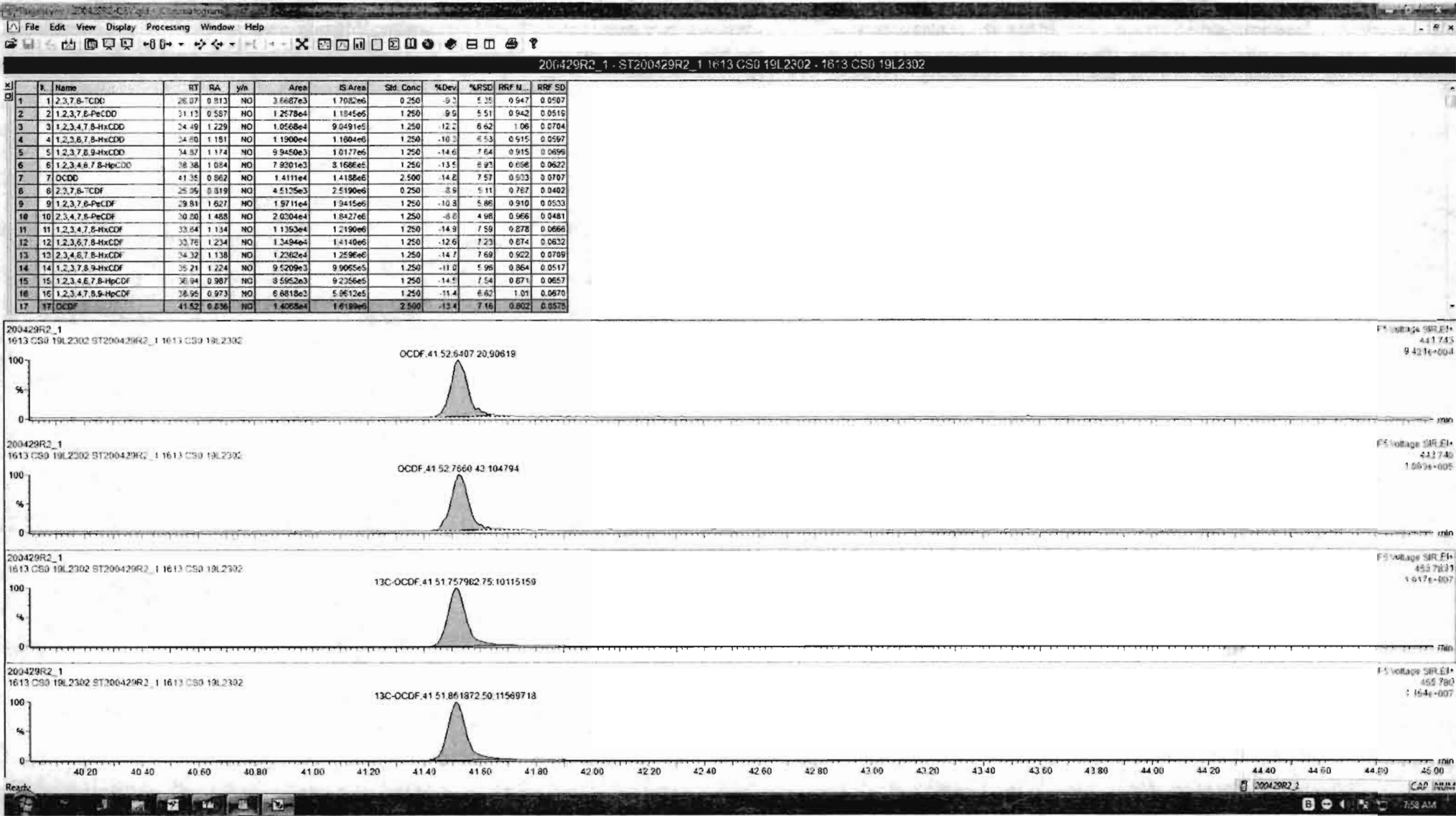


13C-OCDF



DPE5



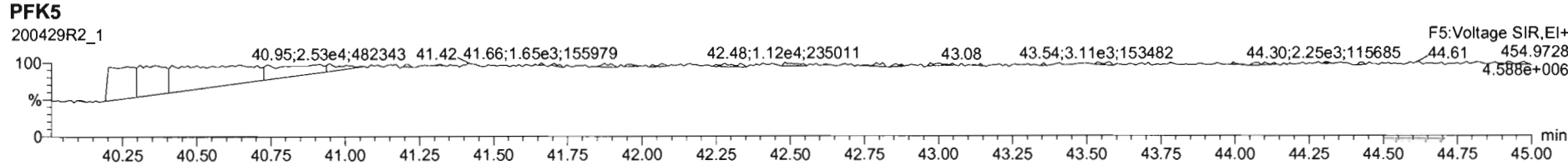
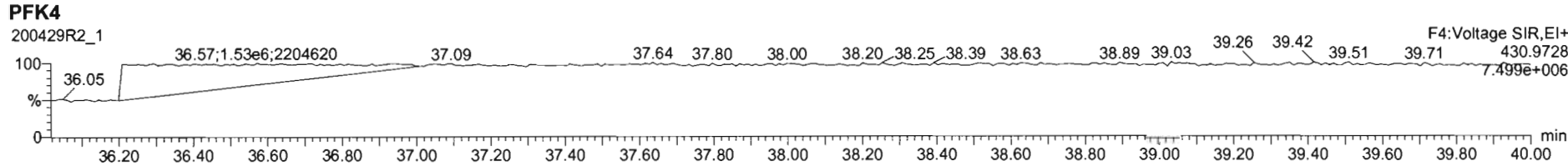
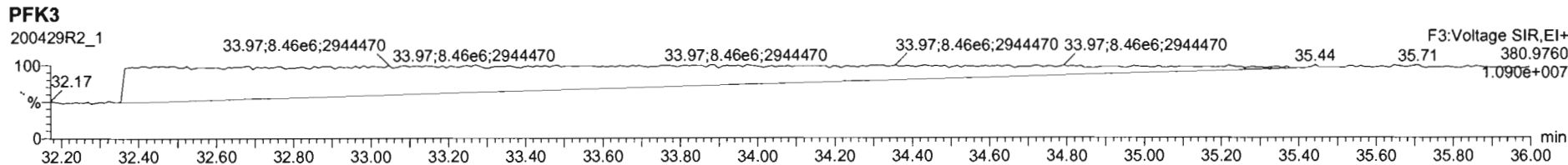
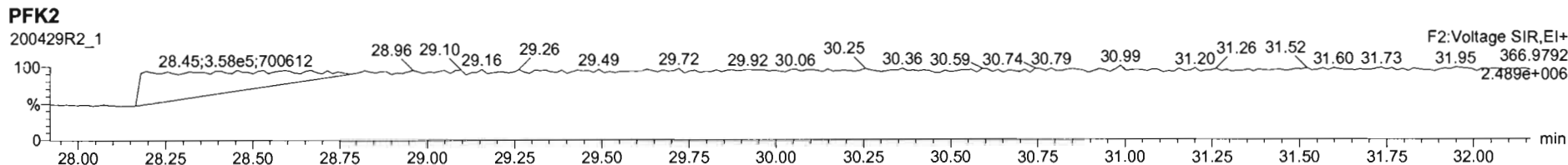
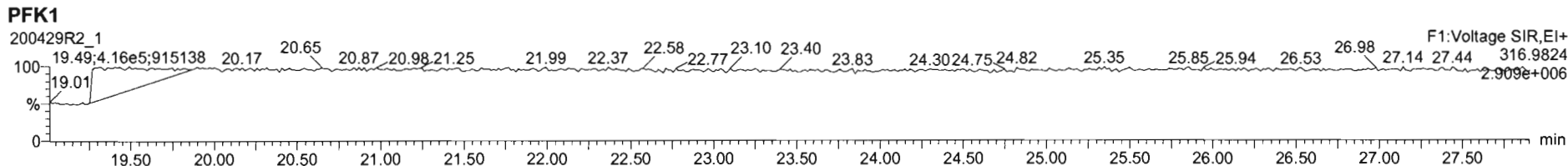


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Name: 200429R2_1, Date: 29-Apr-2020, Time: 13:27:25, ID: ST200429R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302



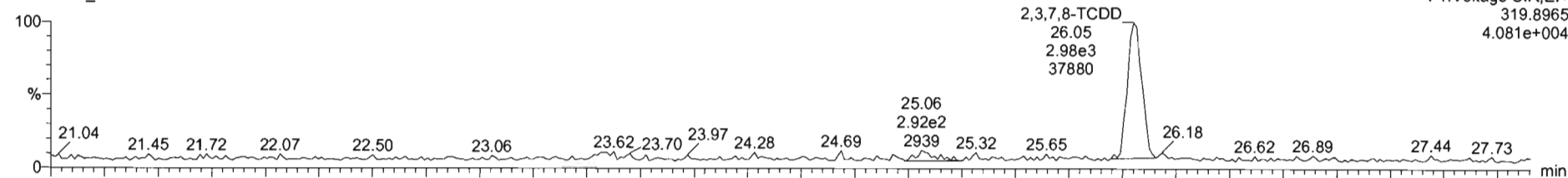
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Last Altered: Thursday, April 30, 2020 7:55:03 AM Pacific Daylight Time
Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

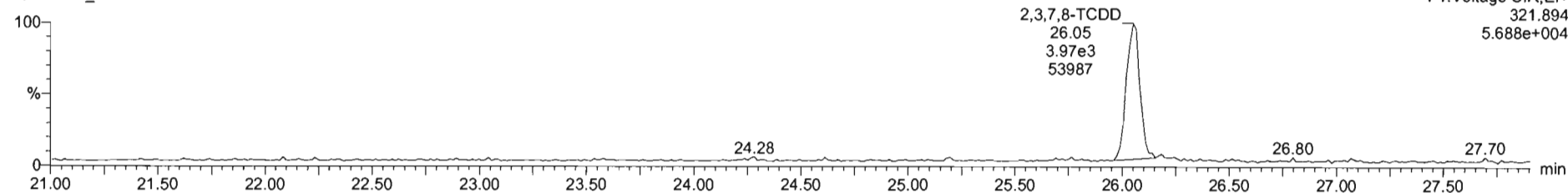
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2,3,7,8-TCDD

200429R2_2

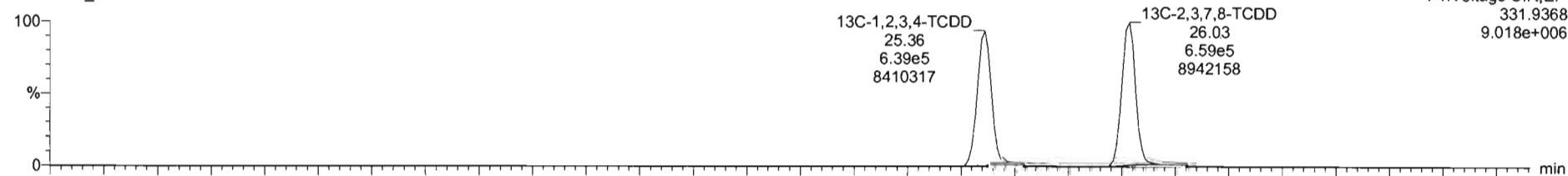


200429R2_2

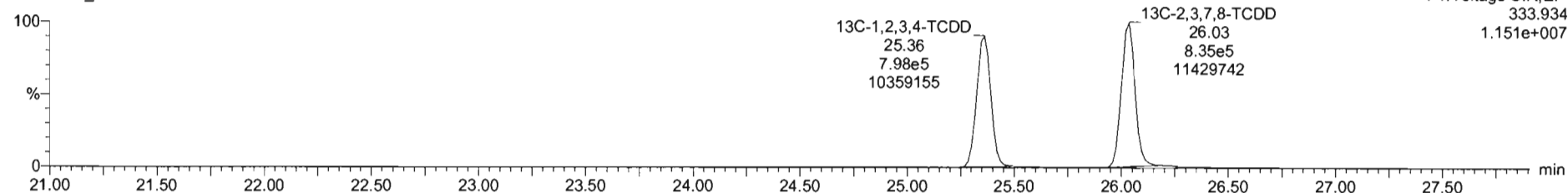


13C-2,3,7,8-TCDD

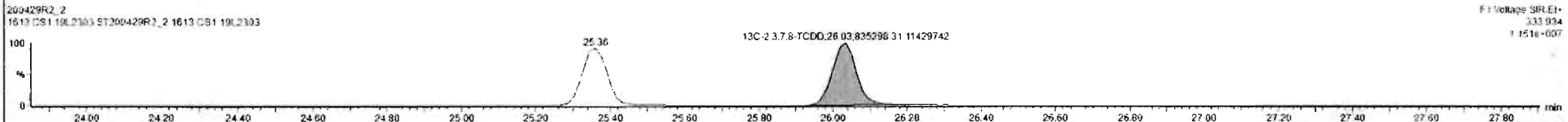
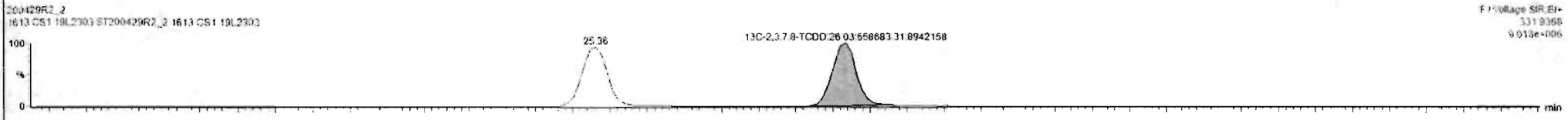
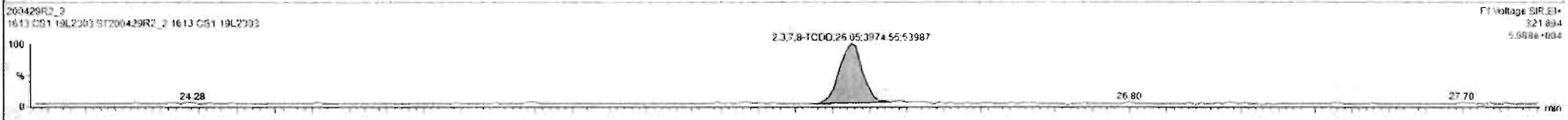
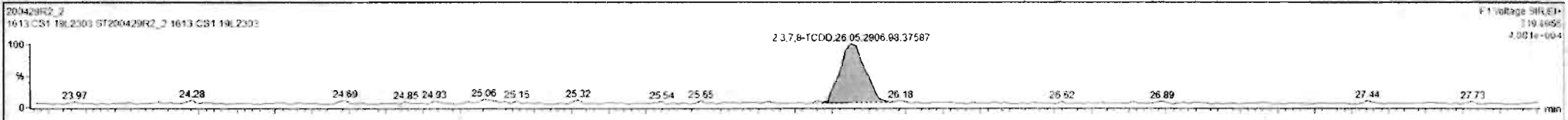
200429R2_2



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	1.1632e6	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



Custom Reporting: Select reports to generate

200429R2_2 CAP NUM

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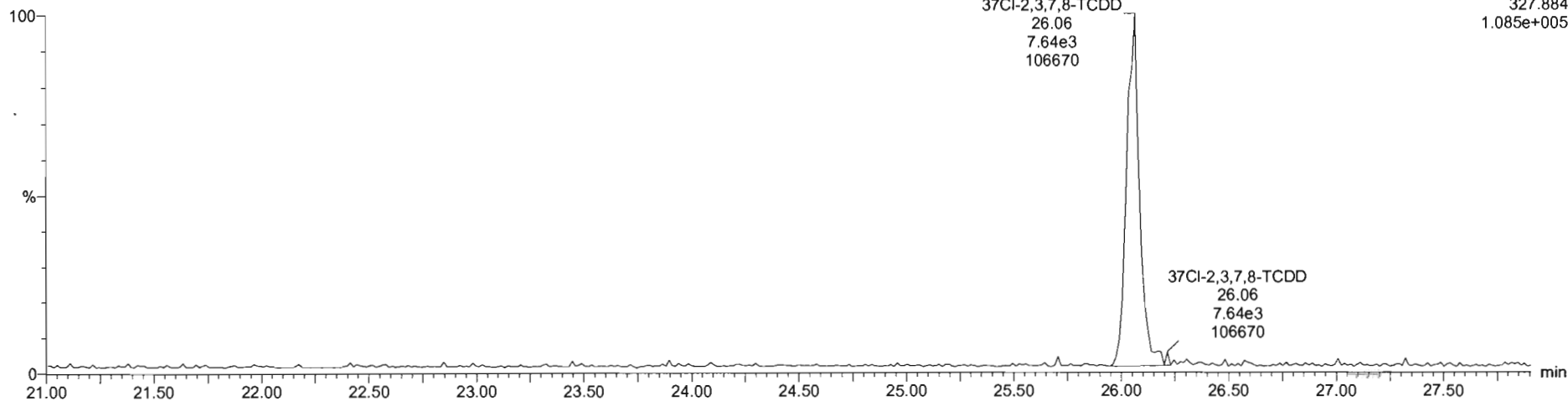
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

Name: 200429R2_2, Date: 29-Apr-2020, Time: 14:15:04, ID: ST200429R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

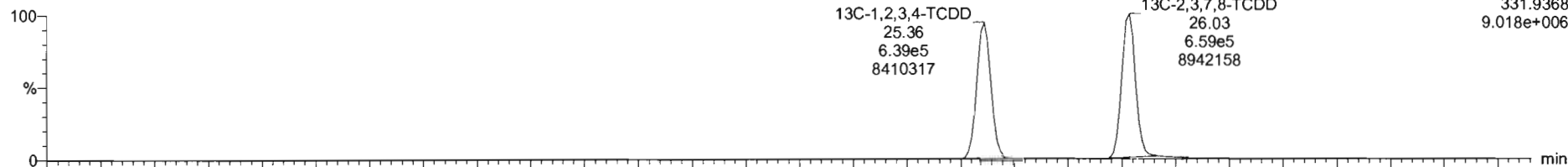
37Cl-2,3,7,8-TCDD

200429R2_2

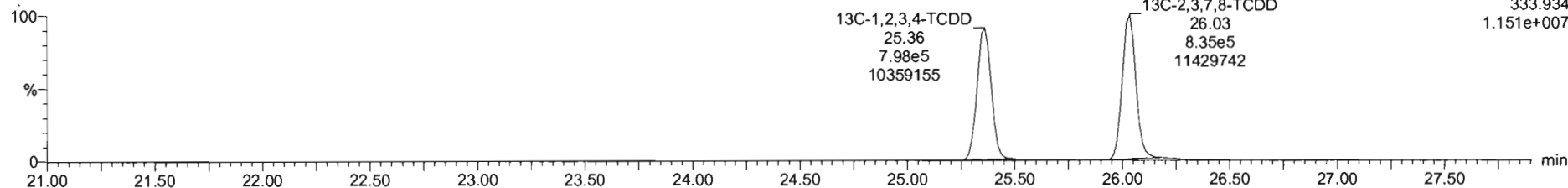


13C-1,2,3,4-TCDD

200429R2_2



200429R2_2



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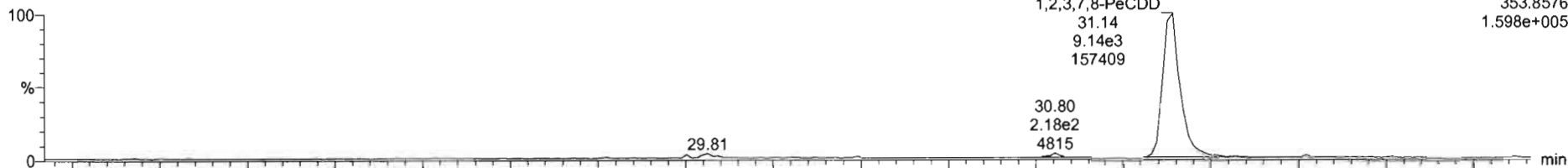
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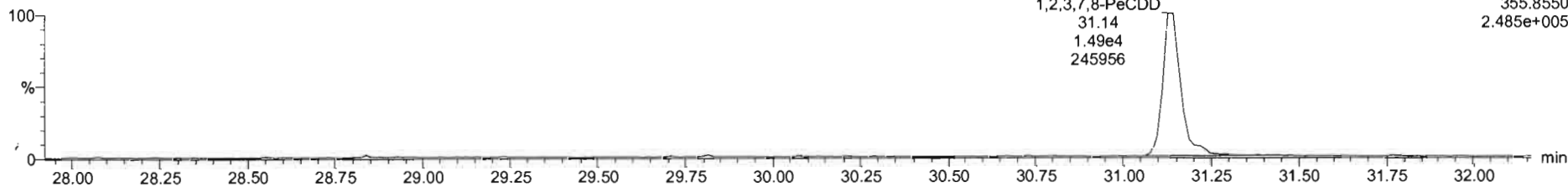
1,2,3,7,8-PeCDD

200429R2_2



F2:Voltage SIR,EI+
353.8576
1.598e+005

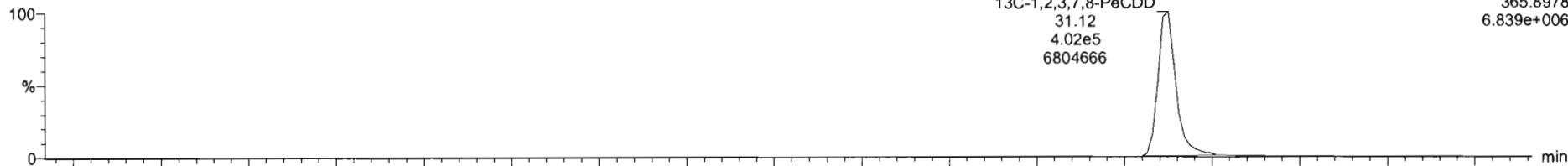
200429R2_2



F2:Voltage SIR,EI+
355.8550
2.485e+005

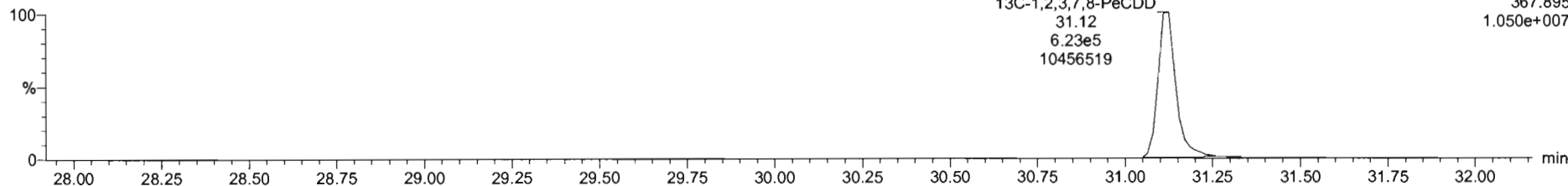
13C-1,2,3,7,8-PeCDD

200429R2_2



F2:Voltage SIR,EI+
365.8978
6.839e+006

200429R2_2



F2:Voltage SIR,EI+
367.895
1.050e+007

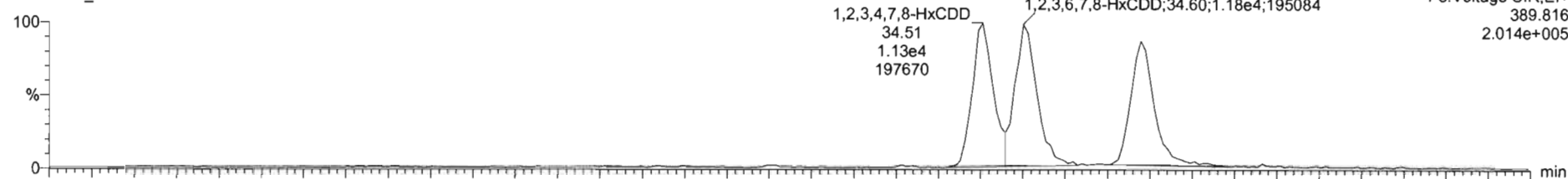
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

Name: 200429R2_2, Date: 29-Apr-2020, Time: 14:15:04, ID: ST200429R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

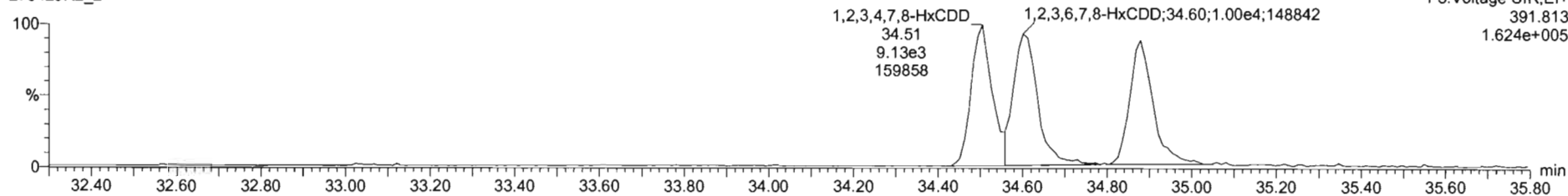
1,2,3,4,7,8-HxCDD

200429R2_2



F3:Voltage SIR,EI+
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2.014e+005

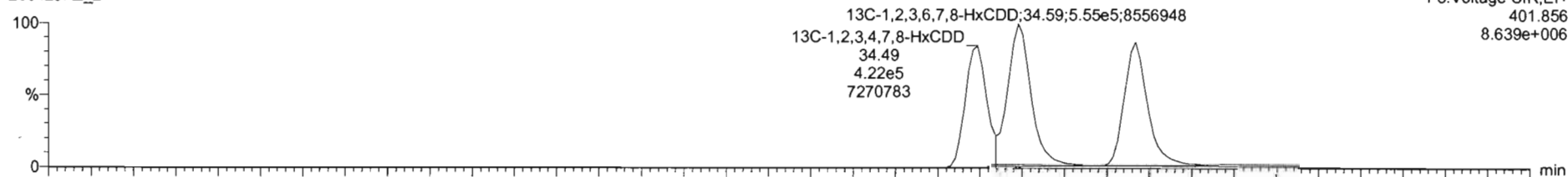
200429R2_2



F3:Voltage SIR,EI+
391.813
1.624e+005

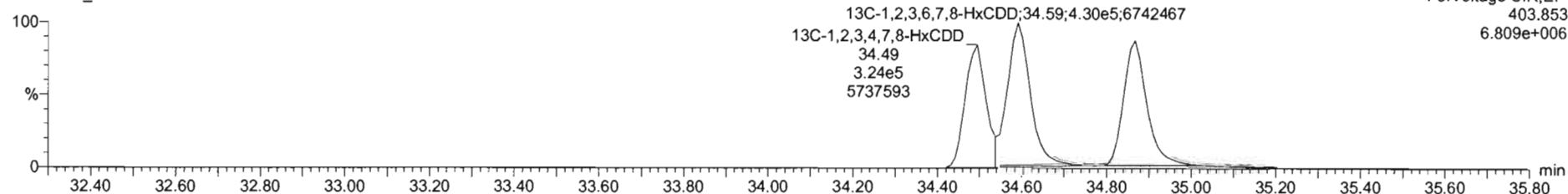
13C-1,2,3,4,7,8-HxCDD

200429R2_2

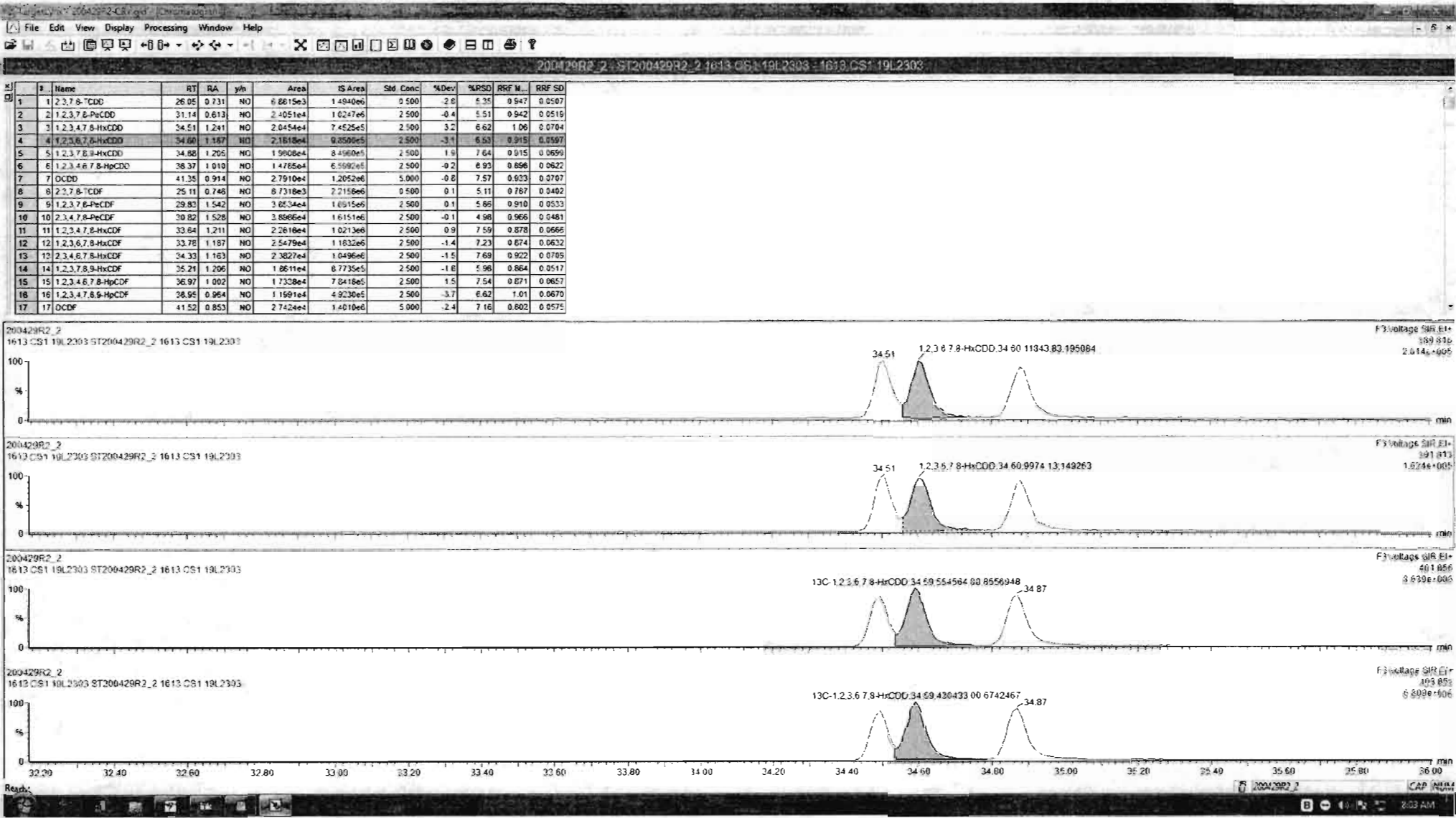


F3:Voltage SIR,EI+
401.856
8.639e+006

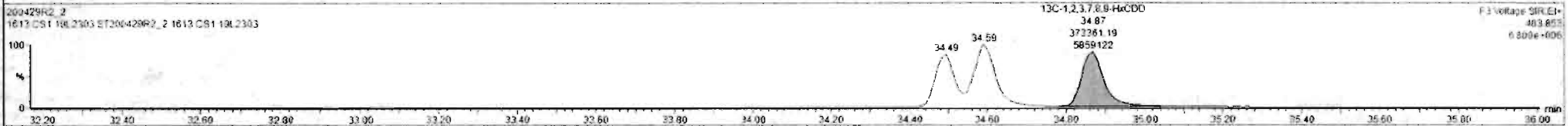
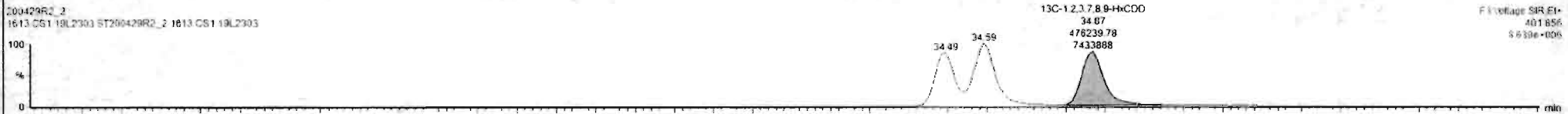
200429R2_2



F3:Voltage SIR,EI+
403.853
6.809e+006



#	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	30.82	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



Custom Reporting: Select reports to generate

200429R2_2 CAP NUM

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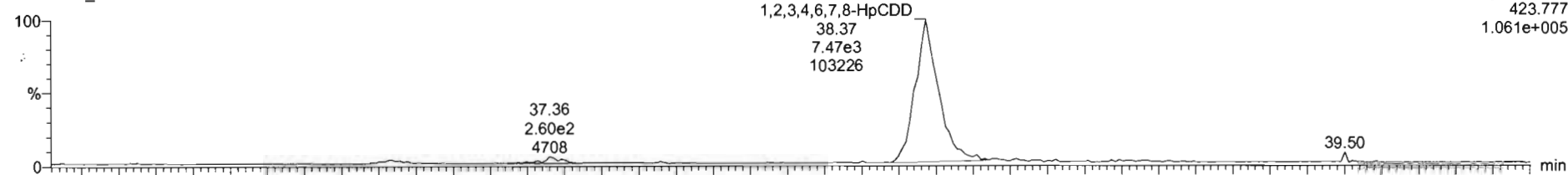
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

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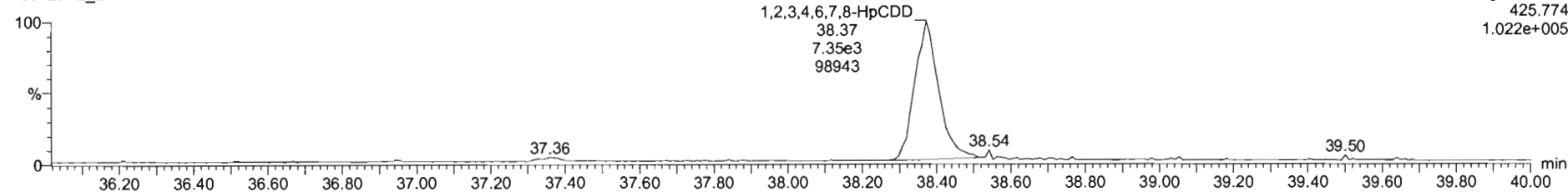
1,2,3,4,6,7,8-HpCDD

200429R2_2



F4:Voltage SIR,EI+
423.777
1.061e+005

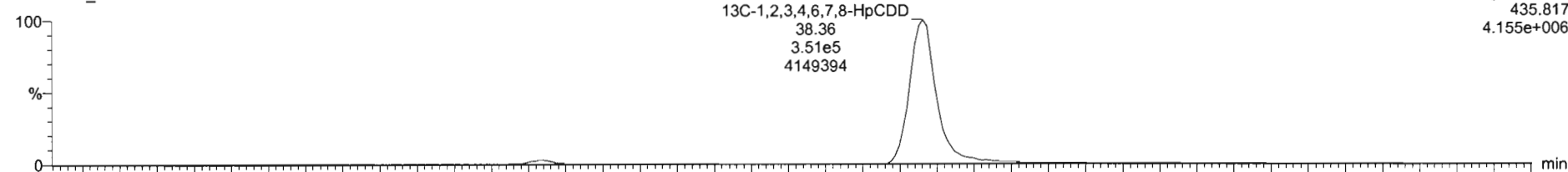
200429R2_2



F4:Voltage SIR,EI+
425.774
1.022e+005

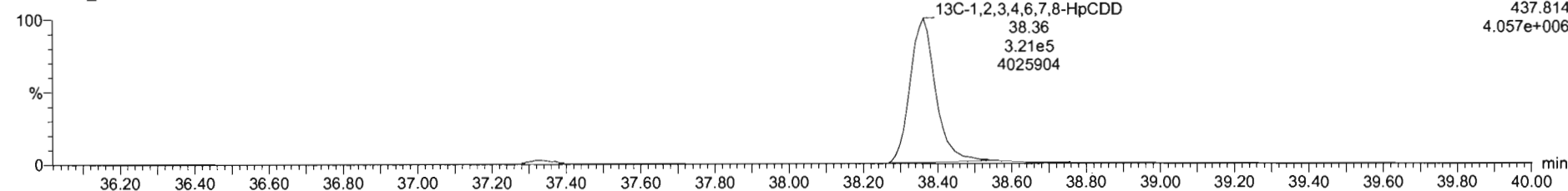
13C-1,2,3,4,6,7,8-HpCDD

200429R2_2

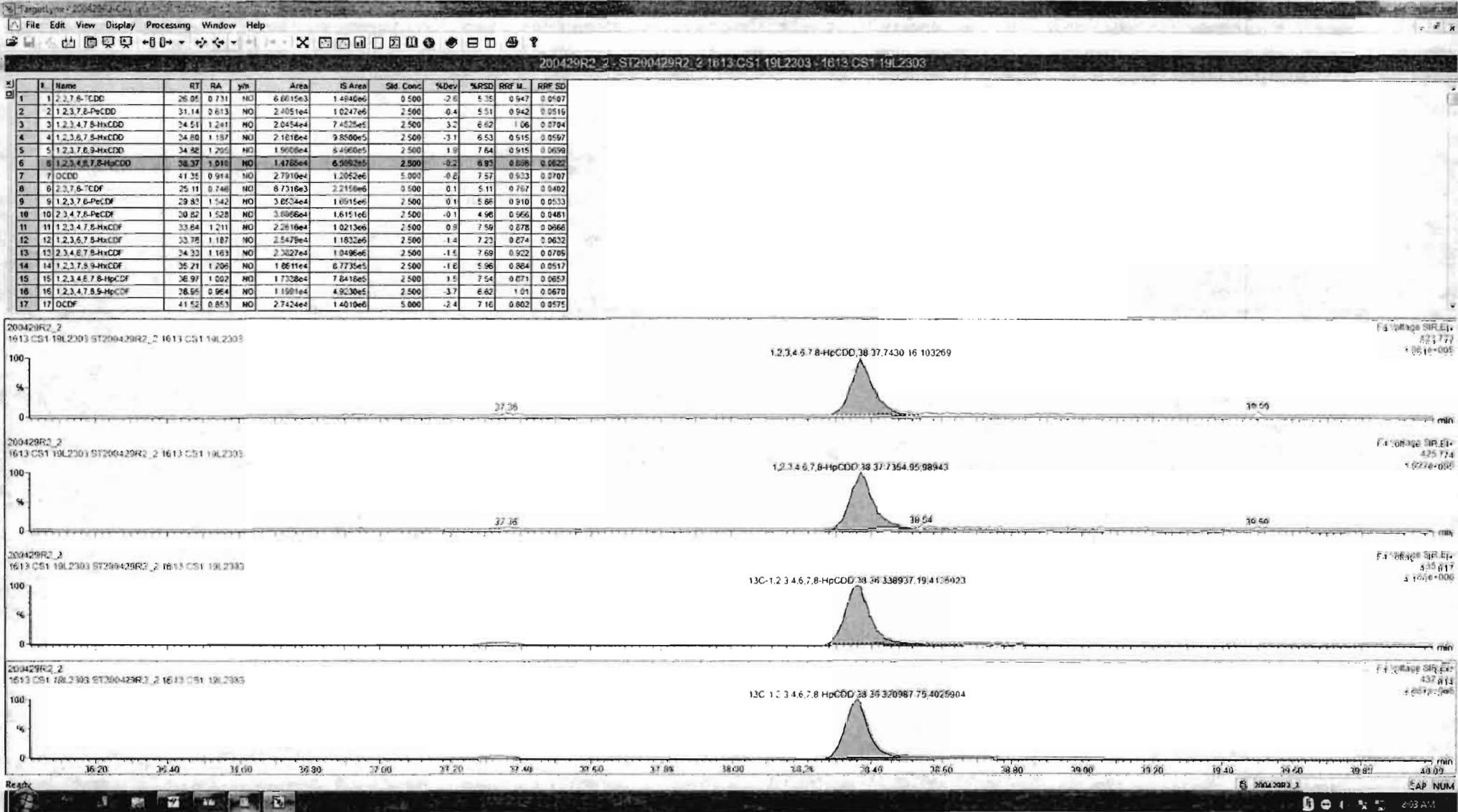


F4:Voltage SIR,EI+
435.817
4.155e+006

200429R2_2



F4:Voltage SIR,EI+
437.814
4.057e+006



Dataset: Untitled

Last Altered: Thursday, April 30, 2020 7:55:03 AM Pacific Daylight Time

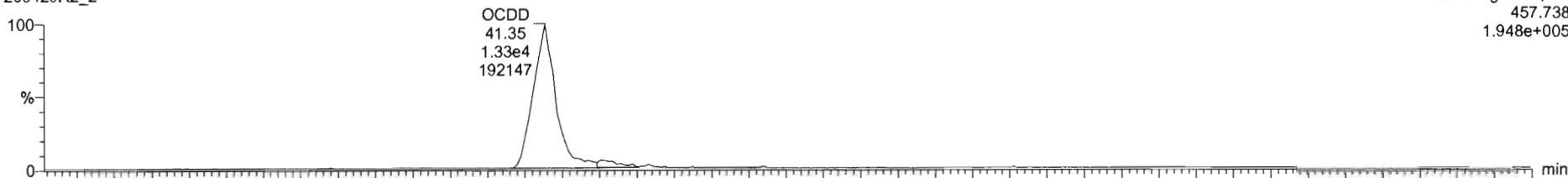
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OCDD

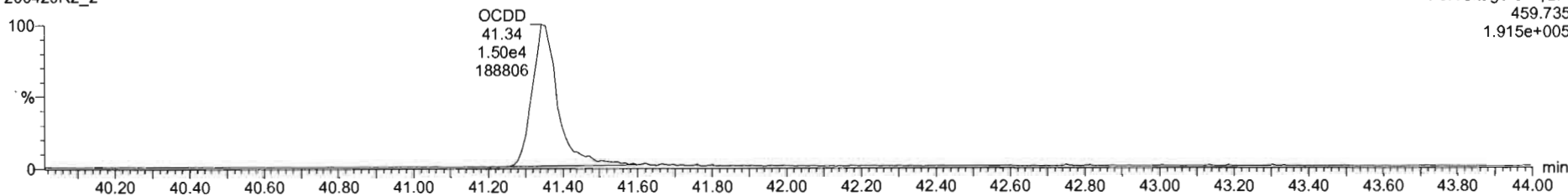
200429R2_2

F5:Voltage SIR,EI+
457.738
1.948e+005



200429R2_2

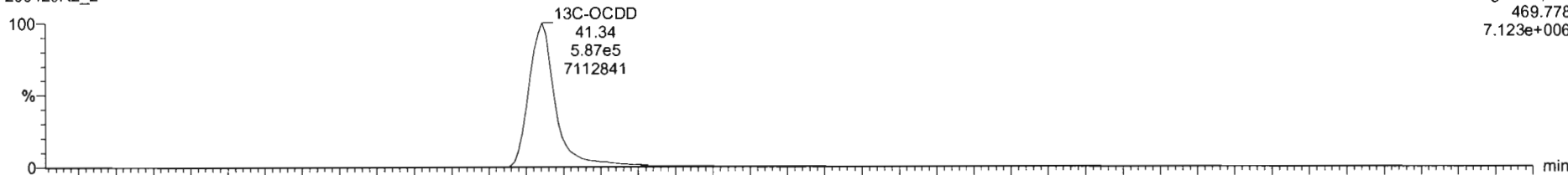
F5:Voltage SIR,EI+
459.735
1.915e+005



13C-OCDD

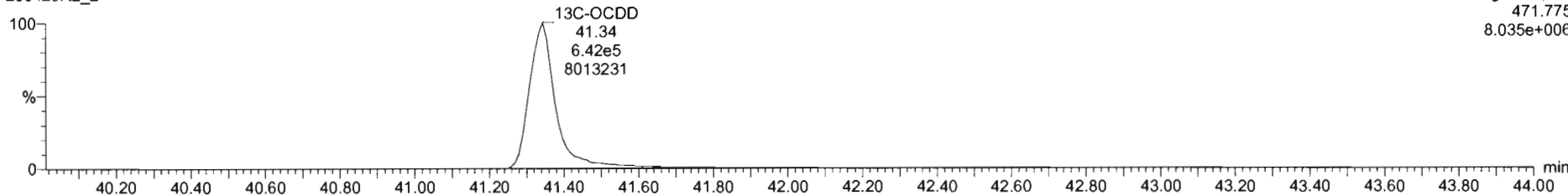
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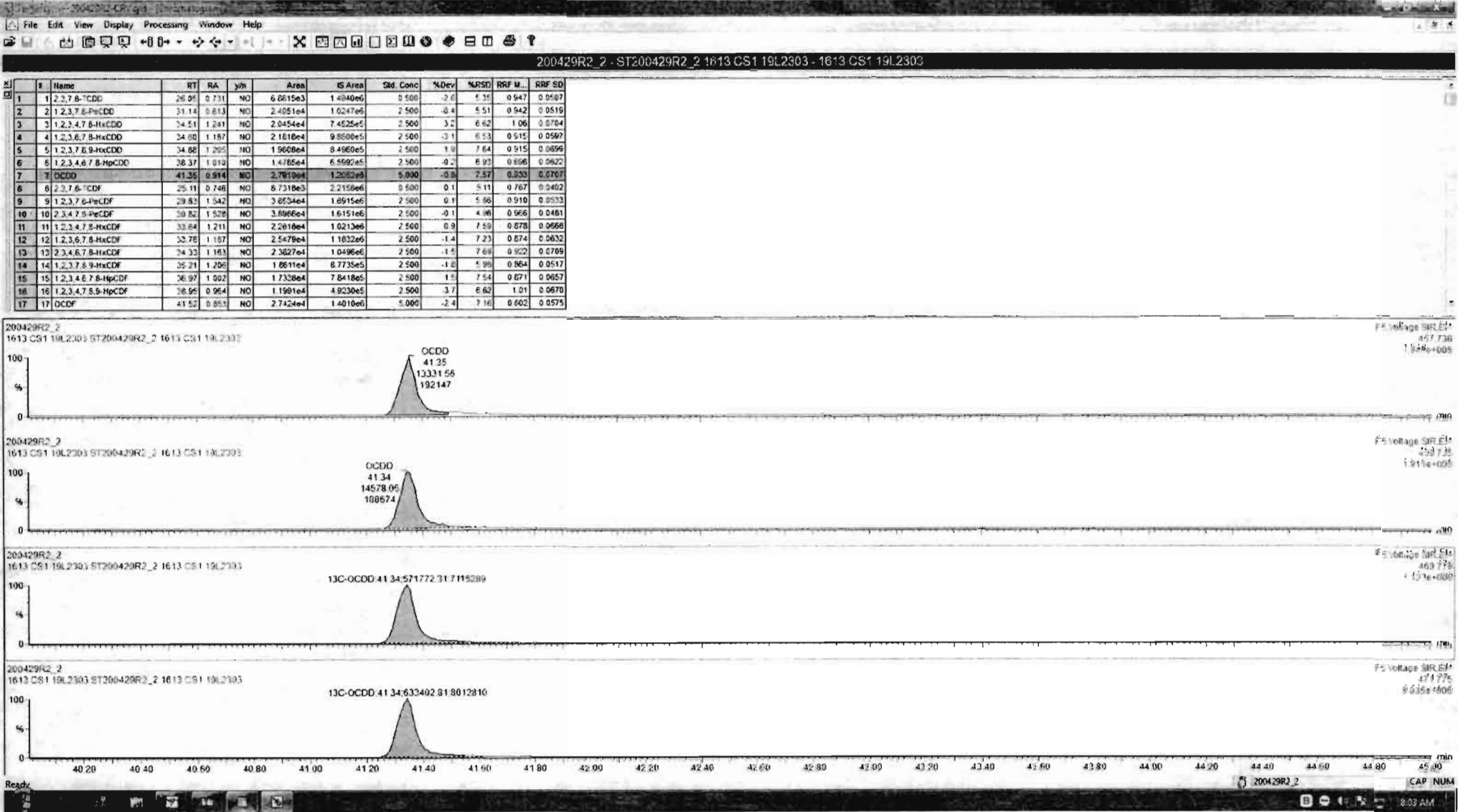
F5:Voltage SIR,EI+
469.778
7.123e+006



200429R2_2

F5:Voltage SIR,EI+
471.775
8.035e+006





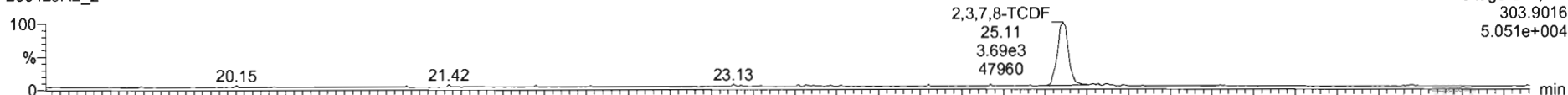
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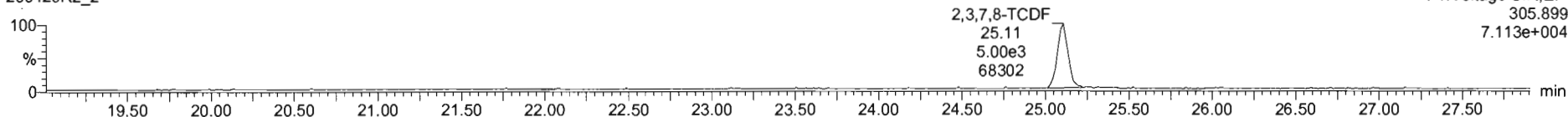
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2,3,7,8-TCDF

200429R2_2

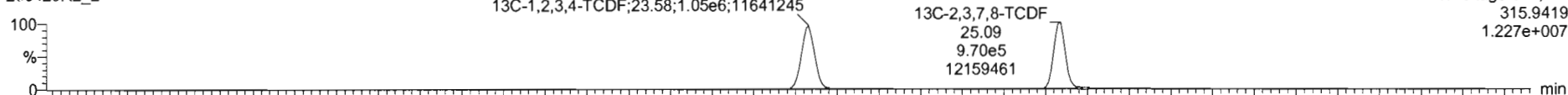


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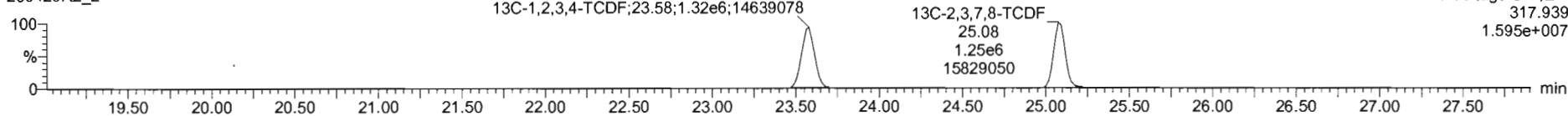


13C-2,3,7,8-TCDF

200429R2_2

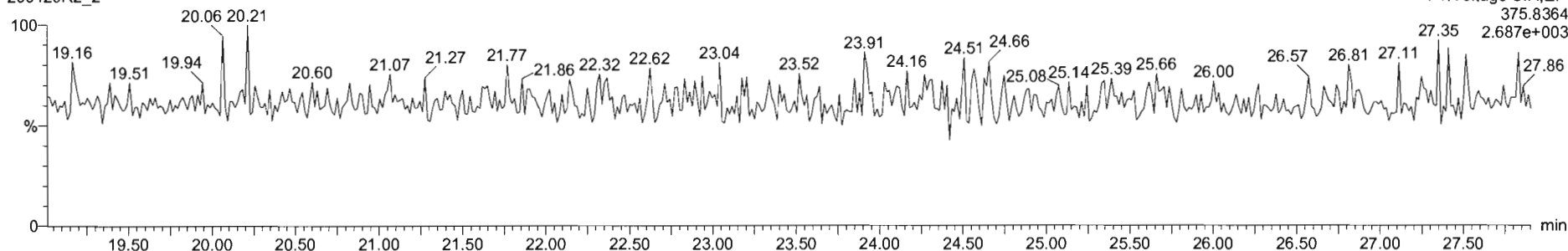


200429R2_2

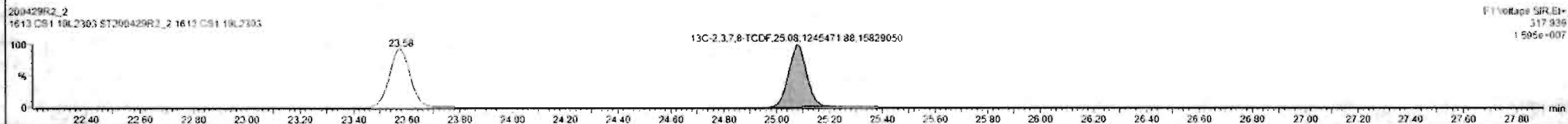
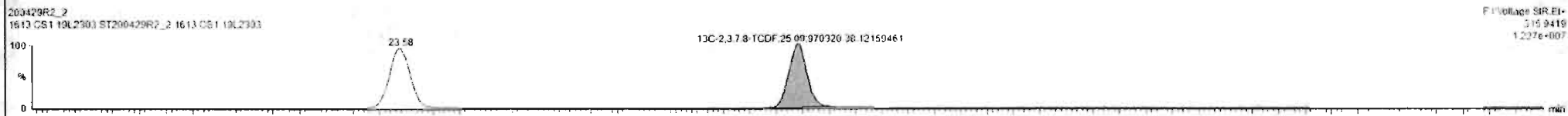
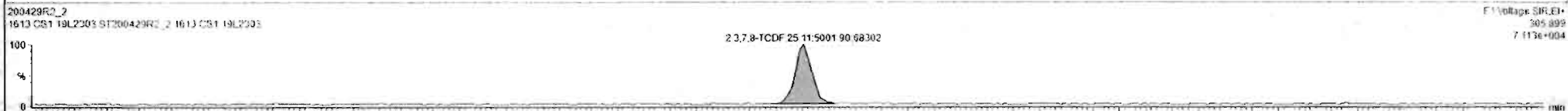
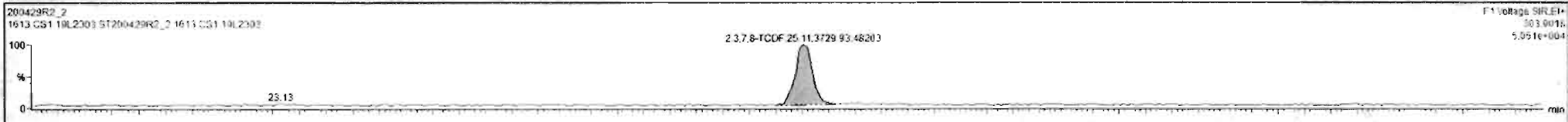


DPE1

200429R2_2



#	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



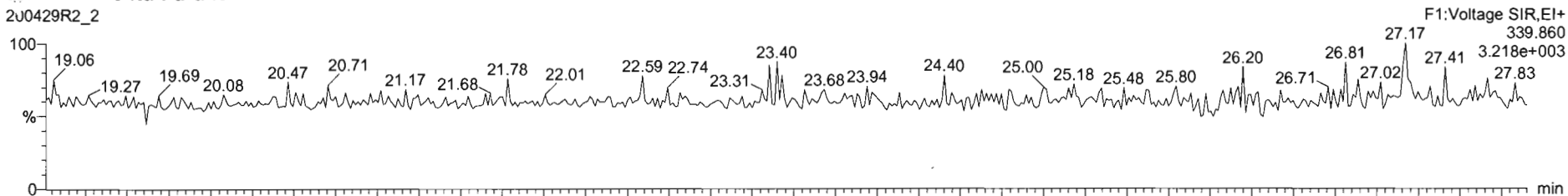
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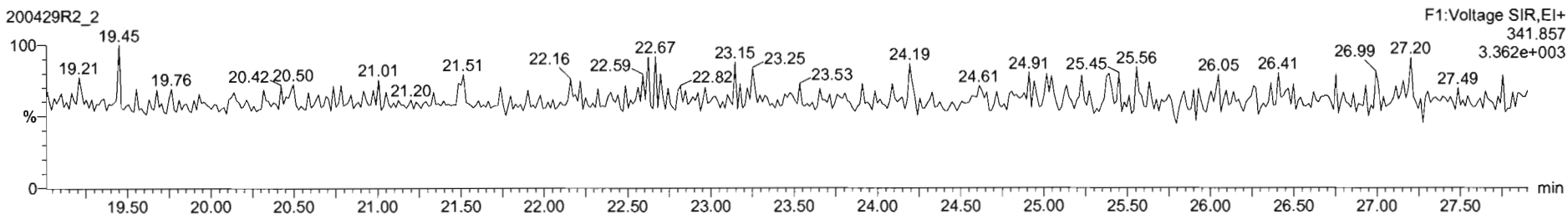
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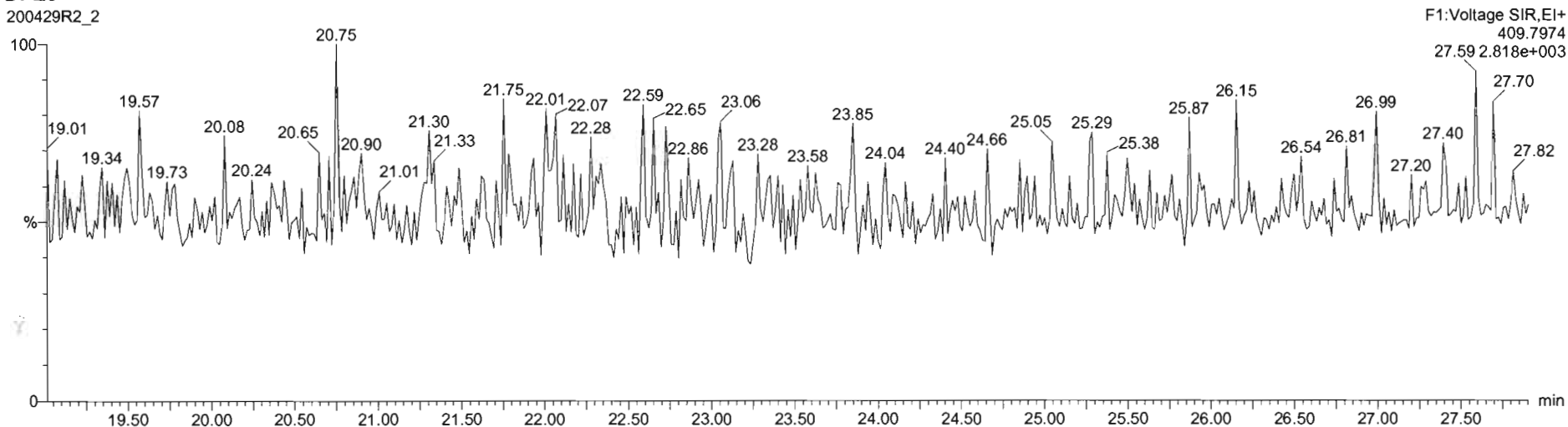


200429R2_2



DPE6

200429R2_2



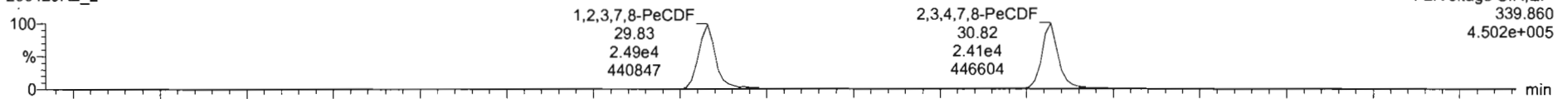
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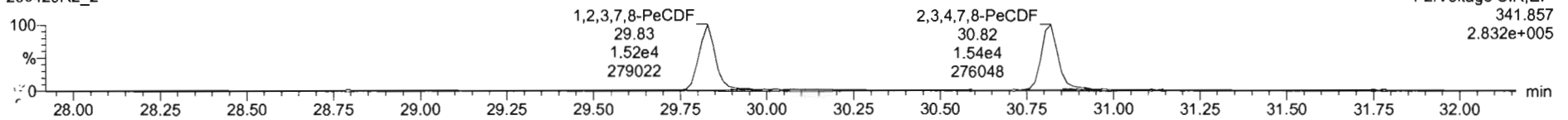
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1,2,3,7,8-PeCDF

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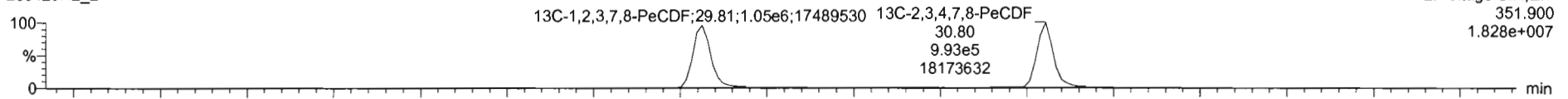


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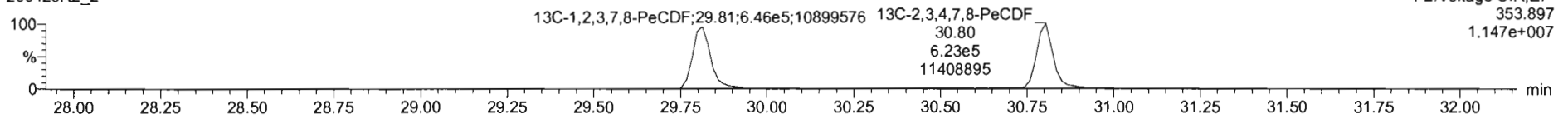


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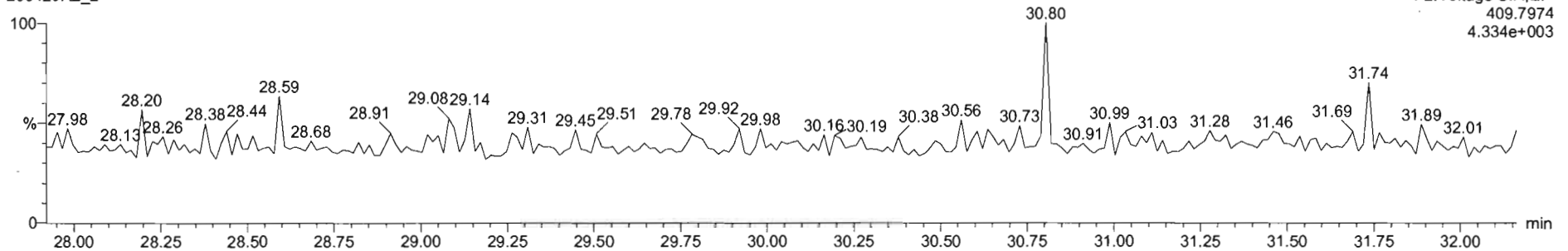


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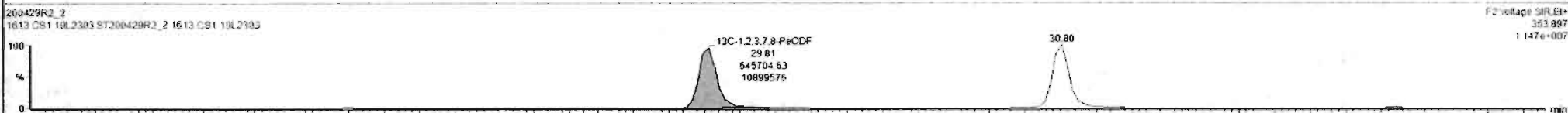
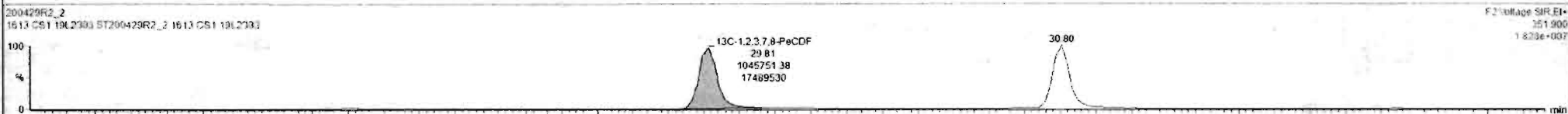
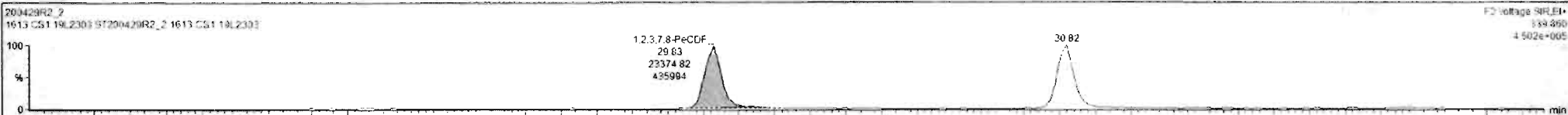


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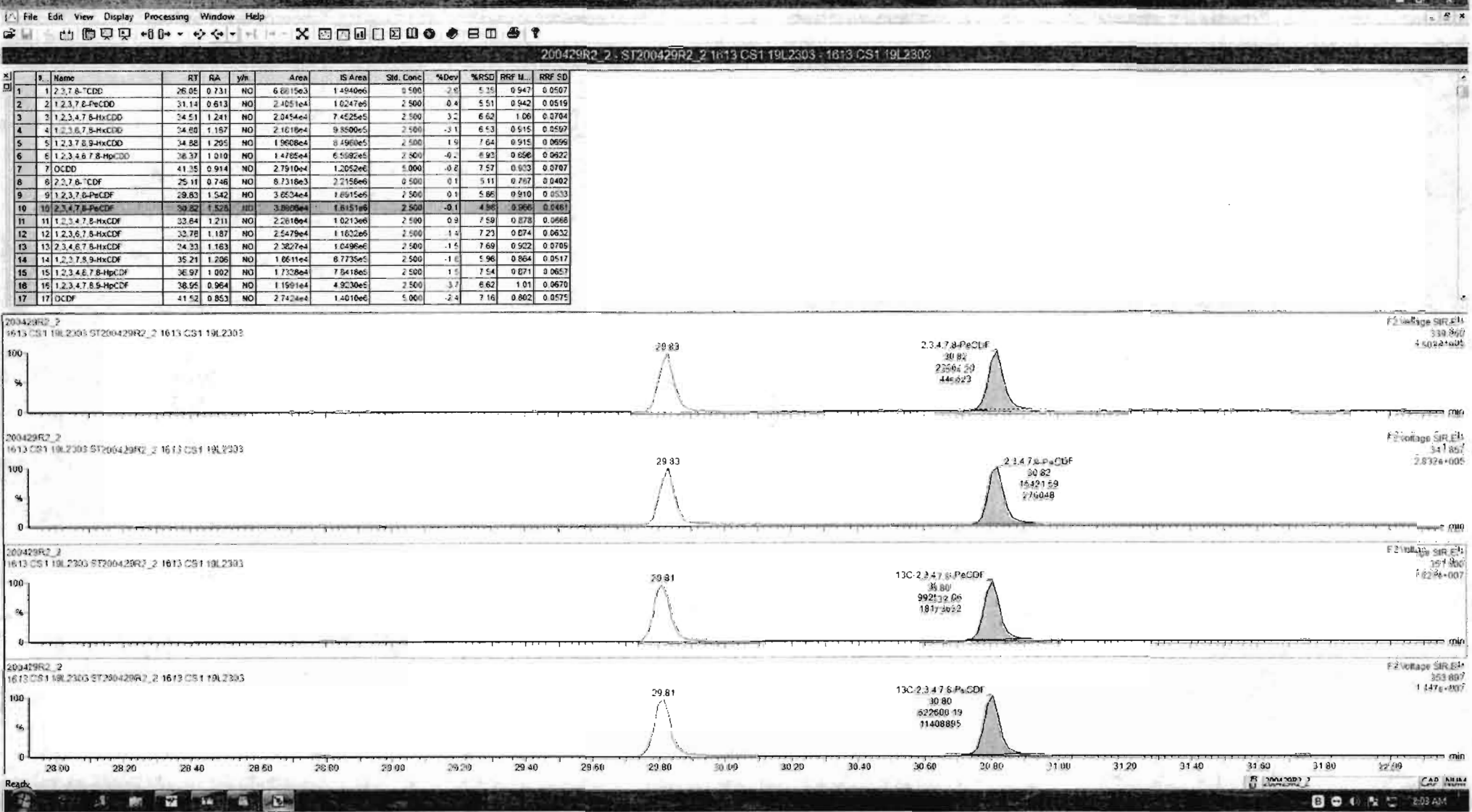
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#	Name	RT	RA	ym	Area	IS Area	Std Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	28.95	0.731	NO	6.2615e3	1.4840e6	0.500	-2.6	5.37	0.947	0.0507
2	1,2,3,7,8-PeCDF	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	0.4	5.51	0.942	0.0515
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4225e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,7,8,9-HxCDD	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	2,3,4,7,8-PeCDF	30.82	1.028	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	2,3,4,6,7,8-HxCDF	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	0.653	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.662	0.0575



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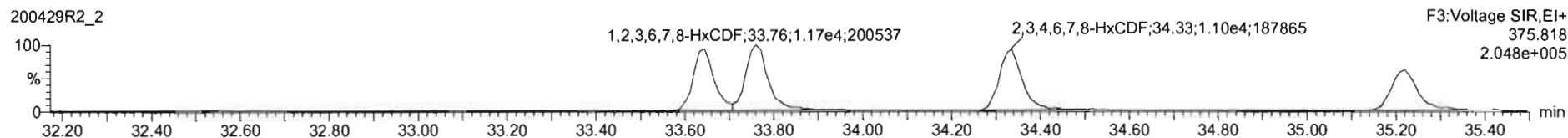
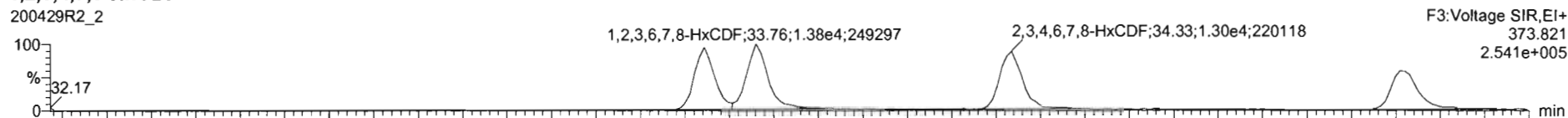


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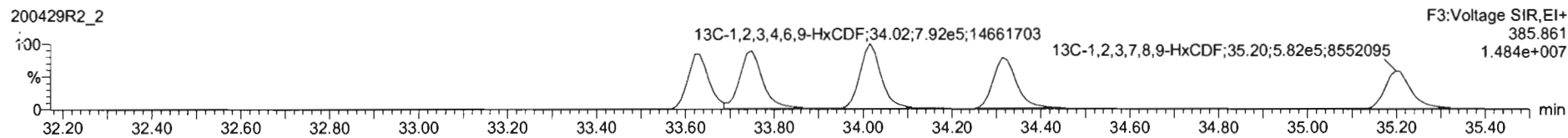
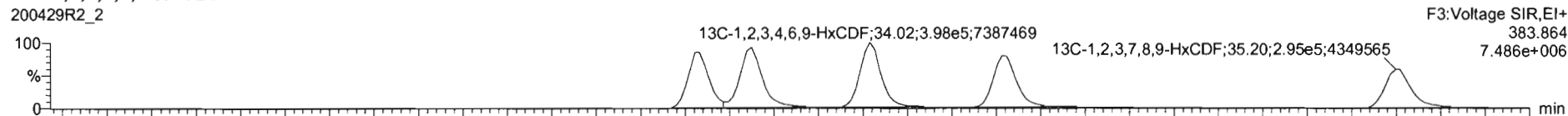
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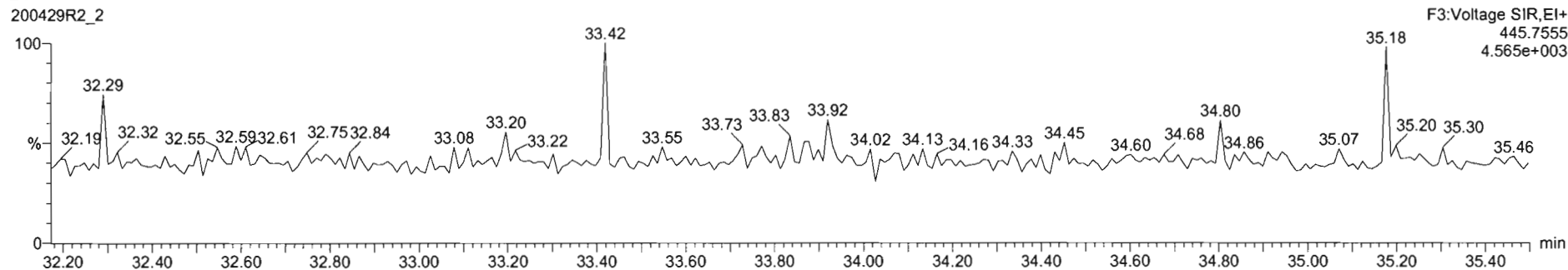
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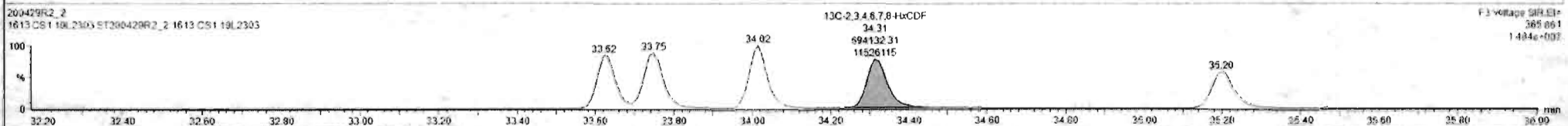
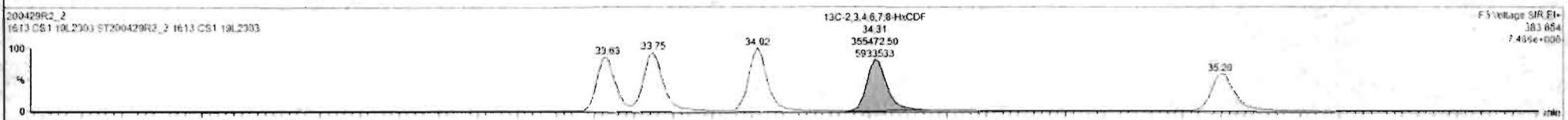
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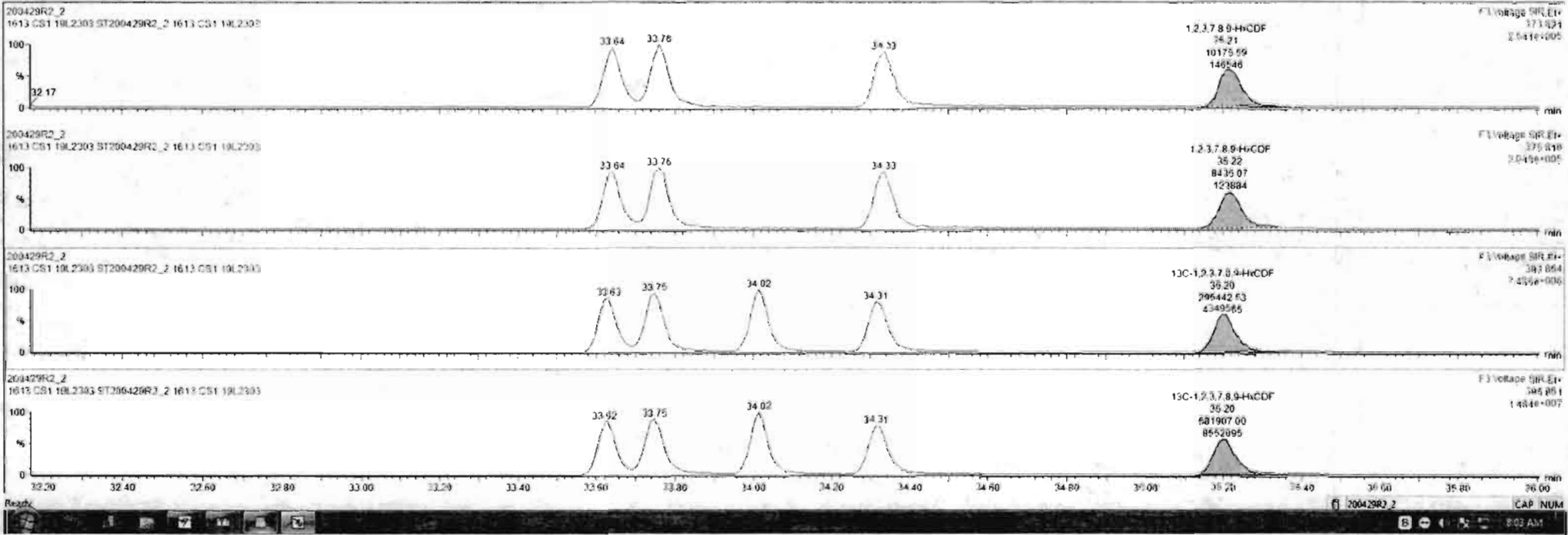
DPE3



#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%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	5.66	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



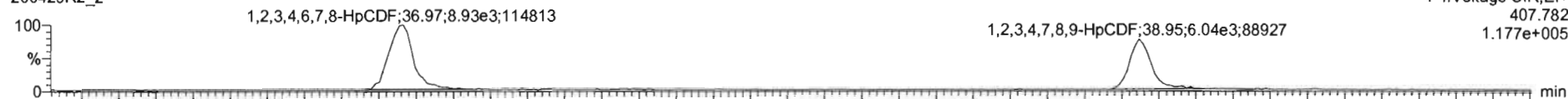
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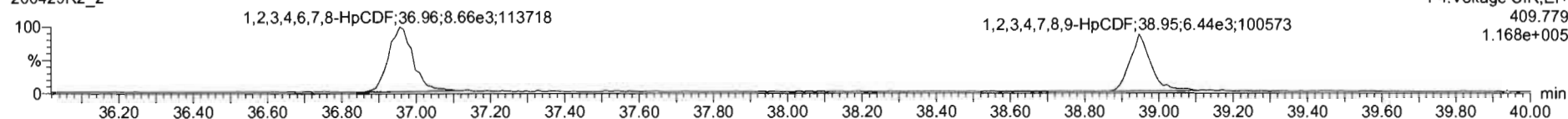
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1,2,3,4,6,7,8-HpCDF

200429R2_2

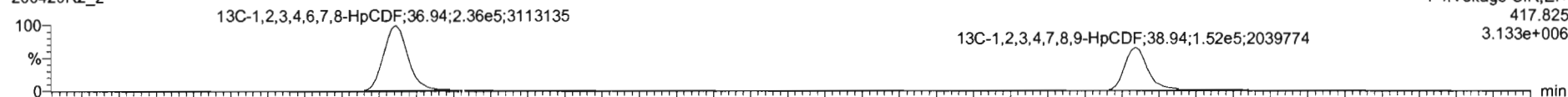


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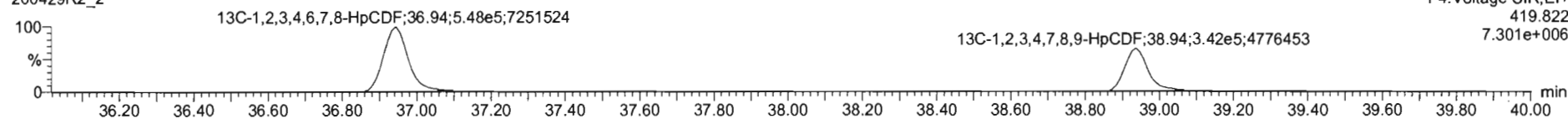


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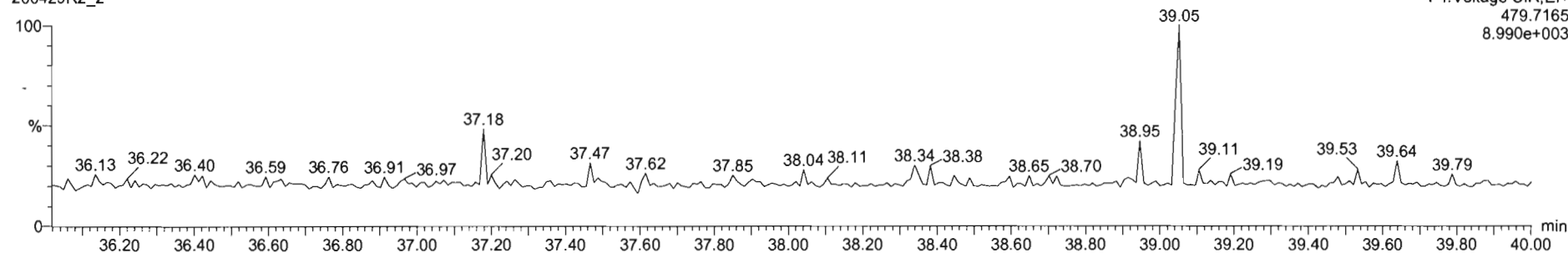


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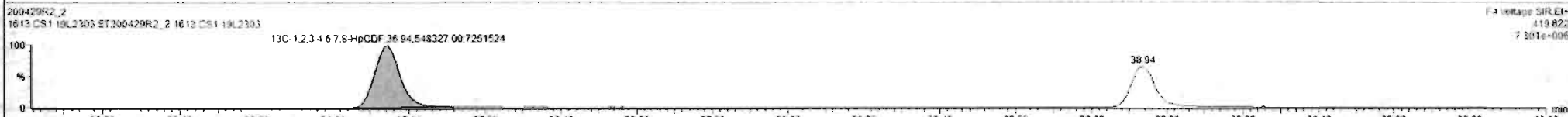
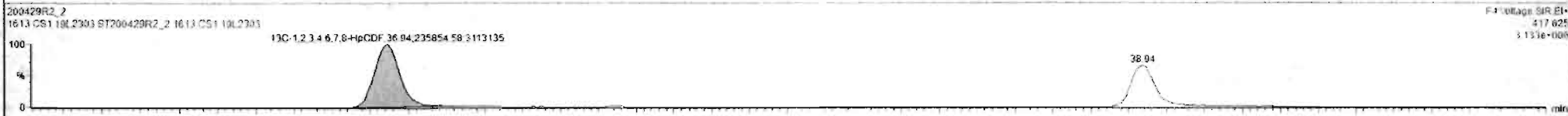
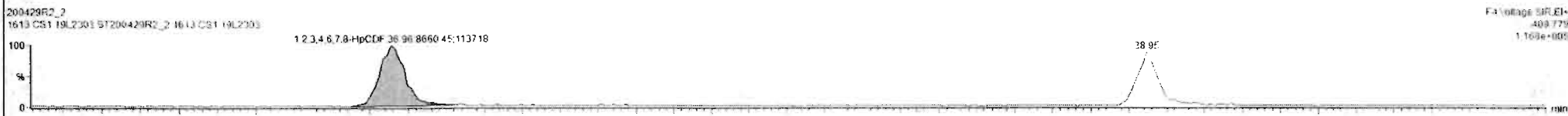


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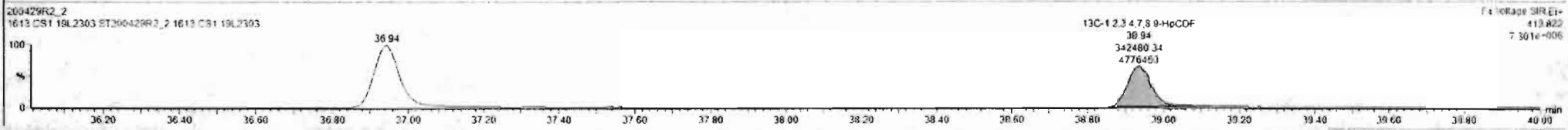
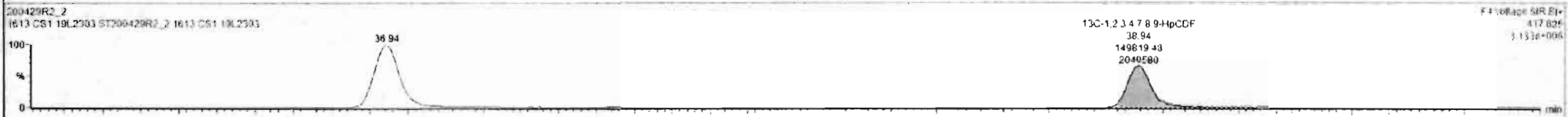
200429R2_2



#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	MRSD	RRF U	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	7.4225e5	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	1.205	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	41.35	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	3.0734e4	1.0915e6	2.500	0.1	5.66	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.82	1.628	NO	3.3686e4	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	6.82	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.060	-2.4	7.16	0.862	0.0575



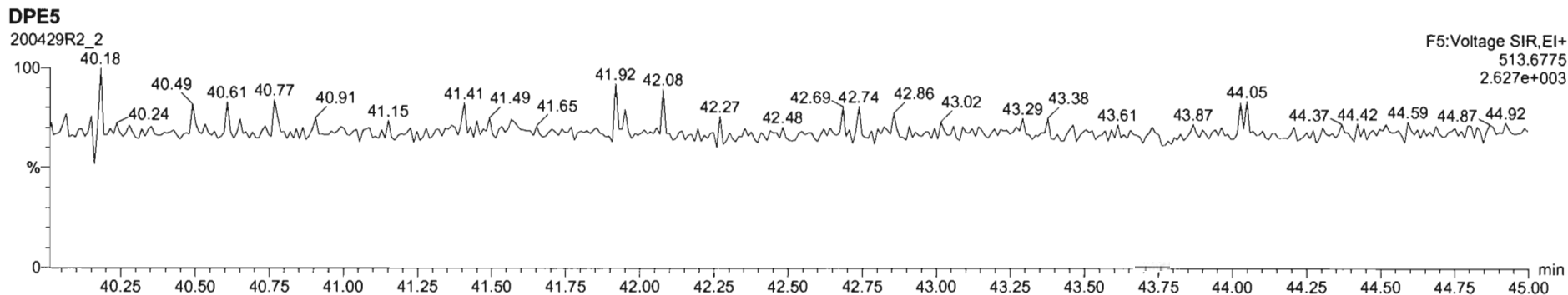
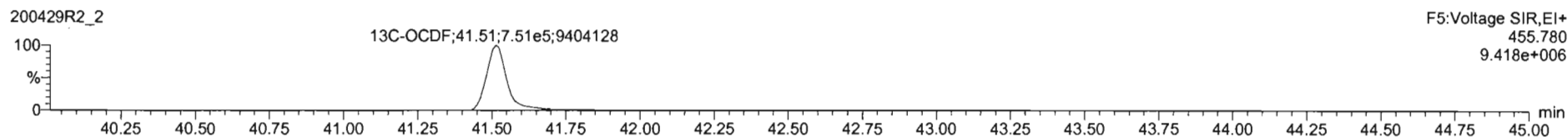
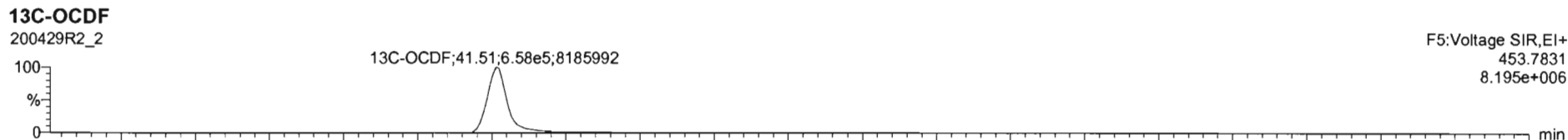
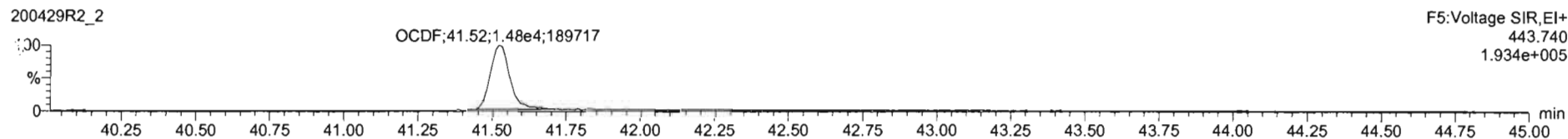
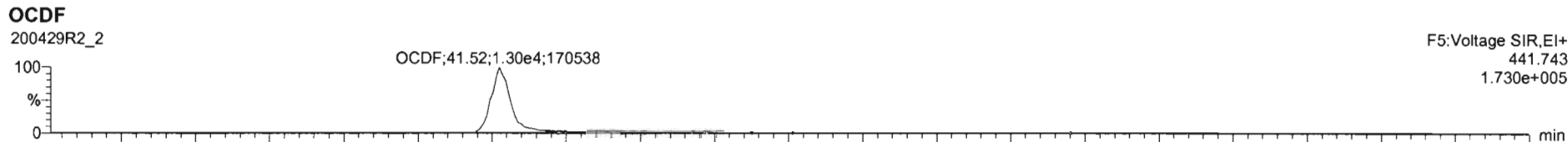
#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	26.95	0.731	NO	6.8615e3	1.4940e6	0.500	-2.8	5.35	0.947	0.9107
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	-0.4	5.51	0.942	0.9519
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.42	1.06	0.9764
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	1.1591e4	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



Dataset: Untitled

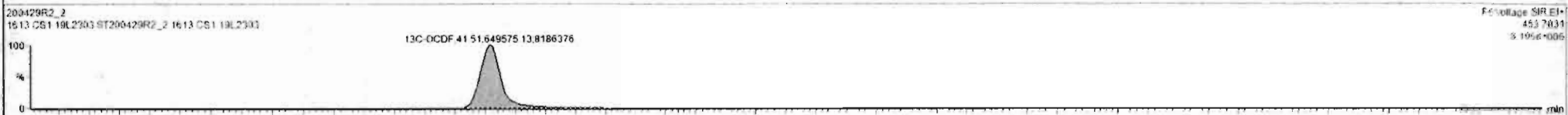
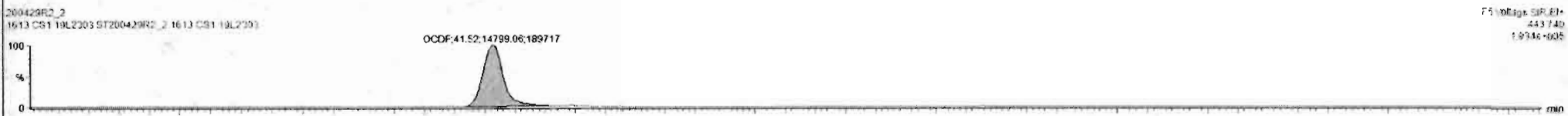
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

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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	-0.2	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	2.3227e4	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	6.62	1.01	0.0670
17	OCDF	41.52	0.883	NO	2.7424e4	1.4010e6	5.000	-2.4	7.18	0.802	0.0573

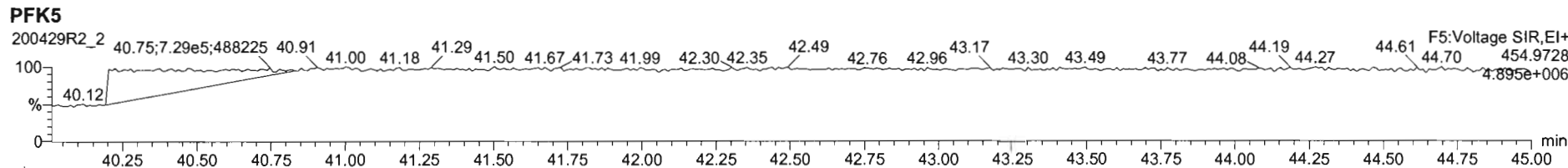
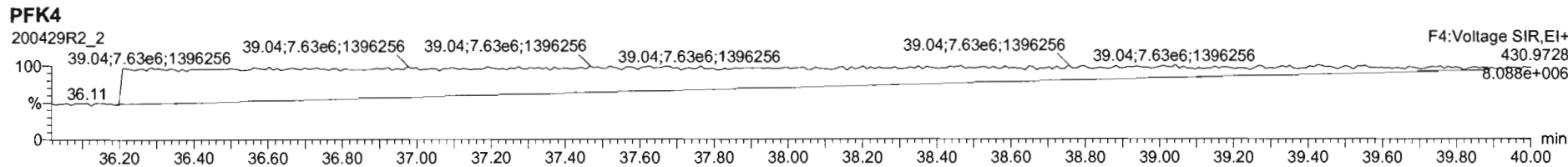
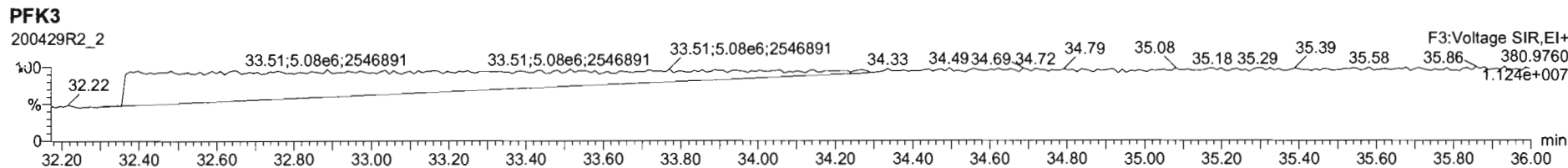
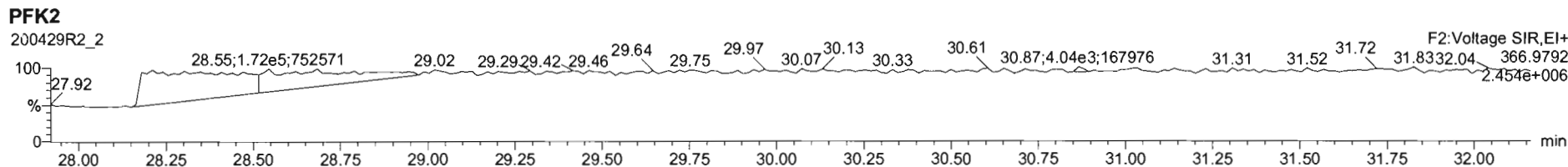
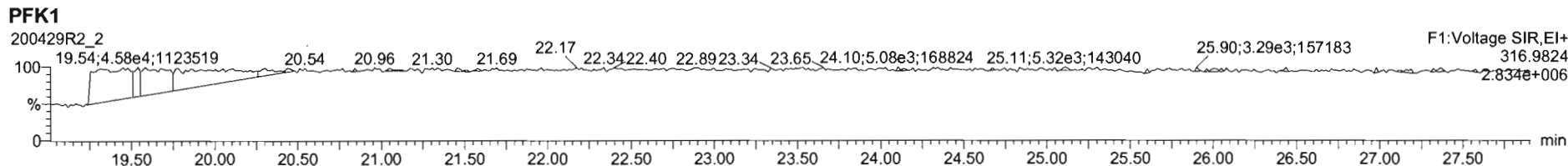


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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

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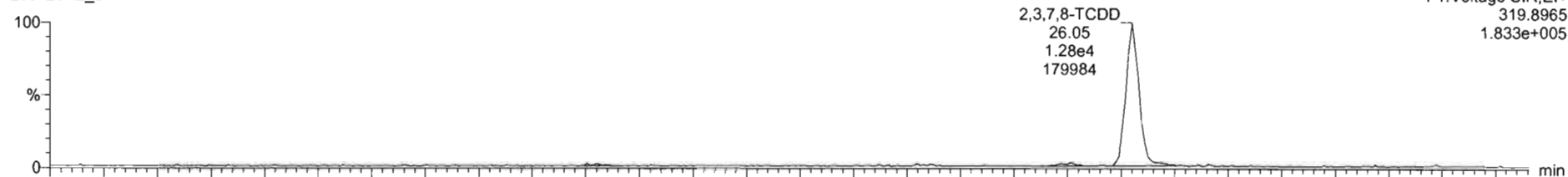
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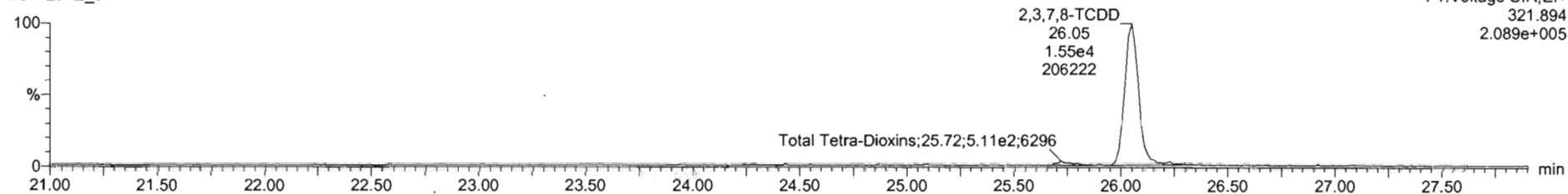
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2,3,7,8-TCDD

200429R2_3

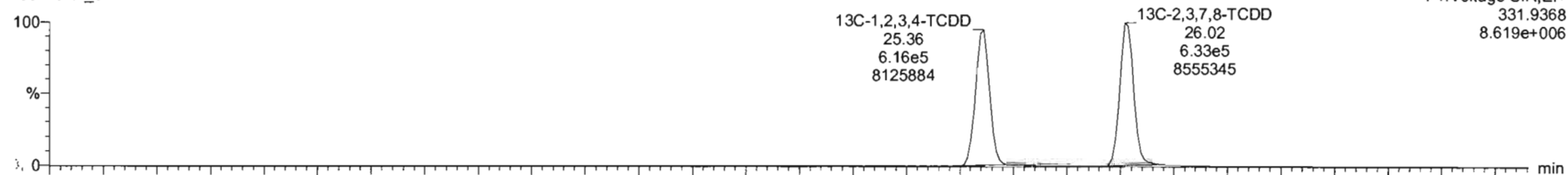


200429R2_3

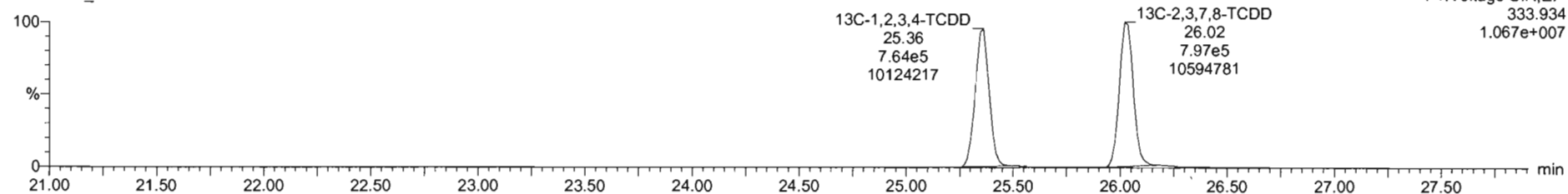


13C-2,3,7,8-TCDD

200429R2_3

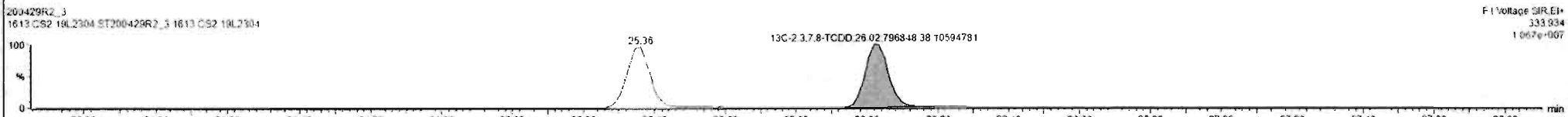
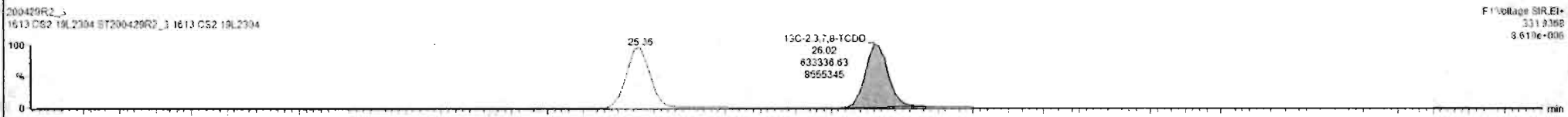
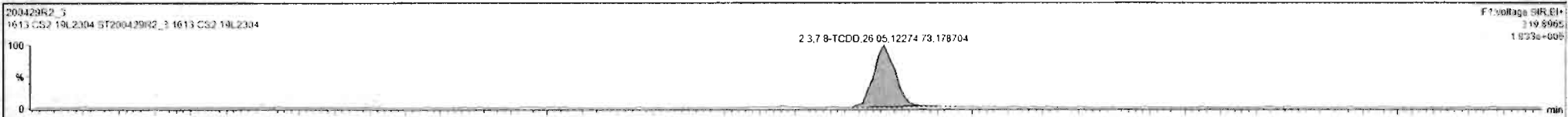


200429R2_3



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	8.93	0.856	0.0632
7	OCDD	41.24	0.883	NO	1.0829e5	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	4.95	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	7.7826e4	8.5876e5	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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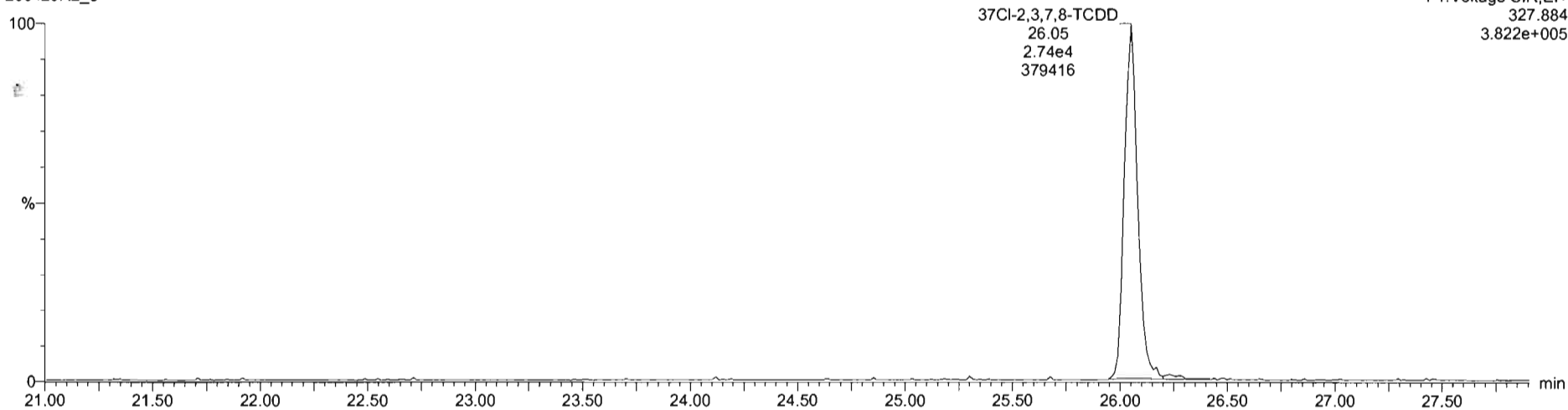
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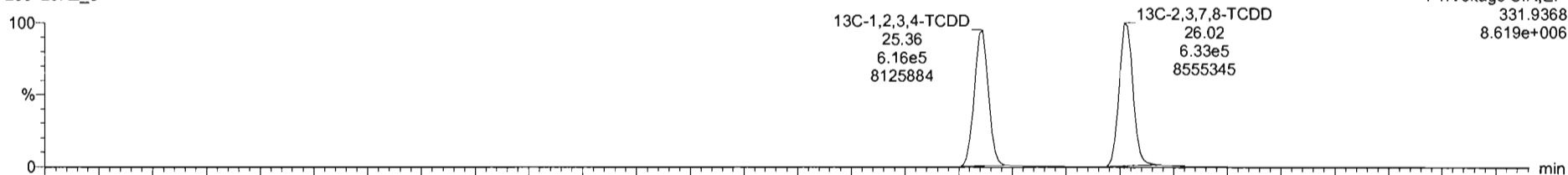
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200429R2_3

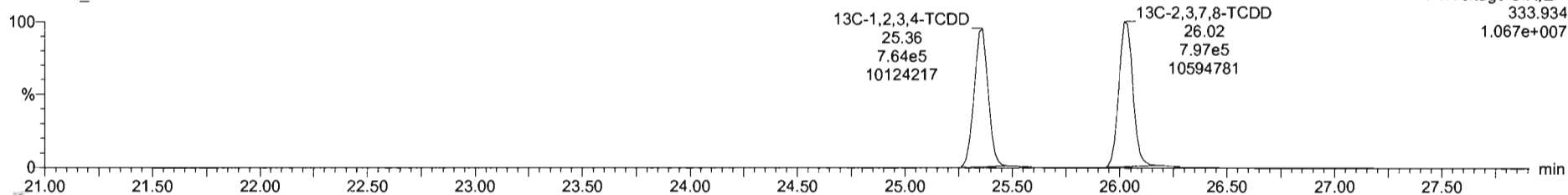


13C-1,2,3,4-TCDD

200429R2_3



200429R2_3



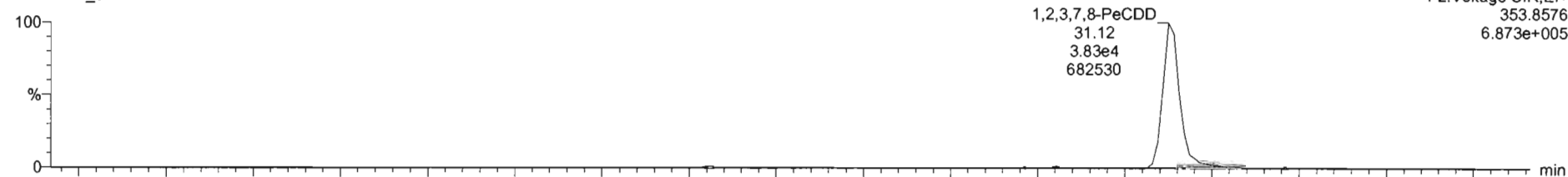
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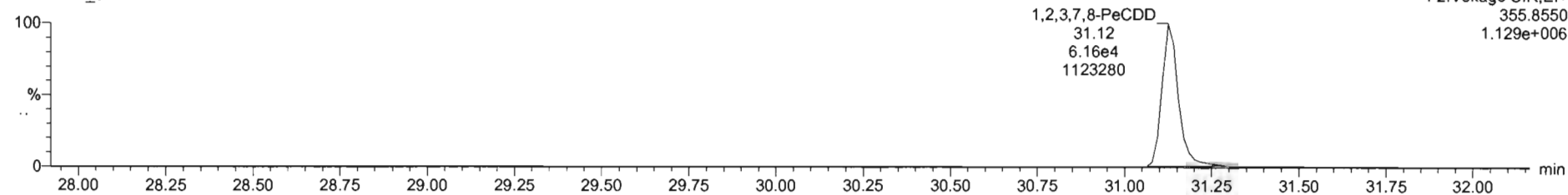
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1,2,3,7,8-PeCDD

200429R2_3

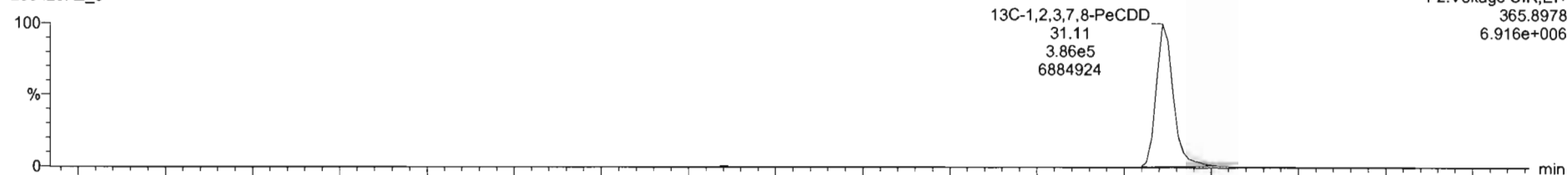


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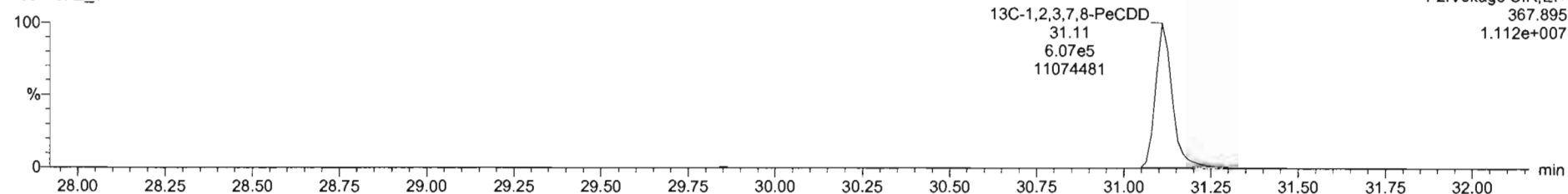


13C-1,2,3,7,8-PeCDD

200429R2_3



200429R2_3



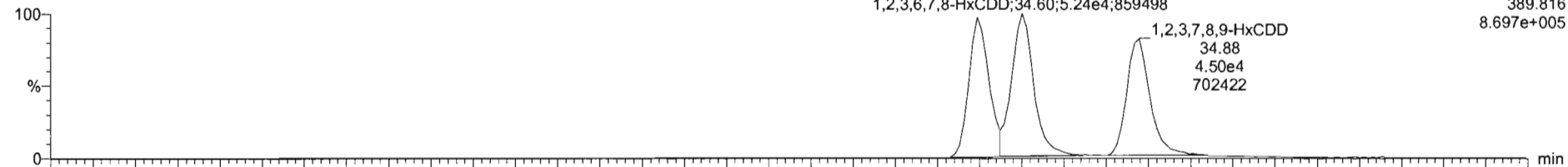
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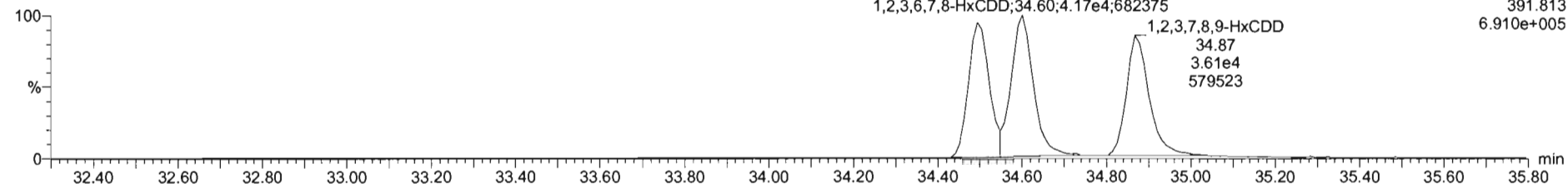
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1,2,3,4,7,8-HxCDD

200429R2_3

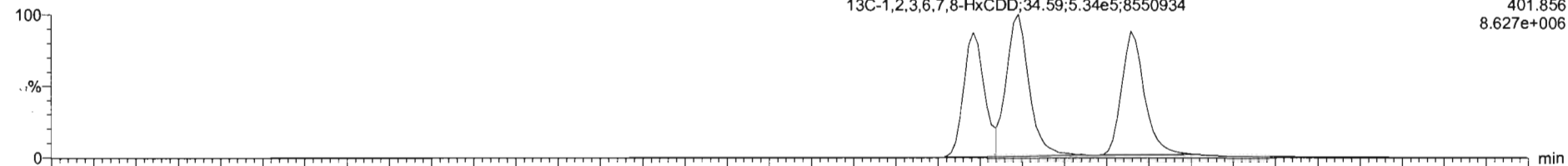


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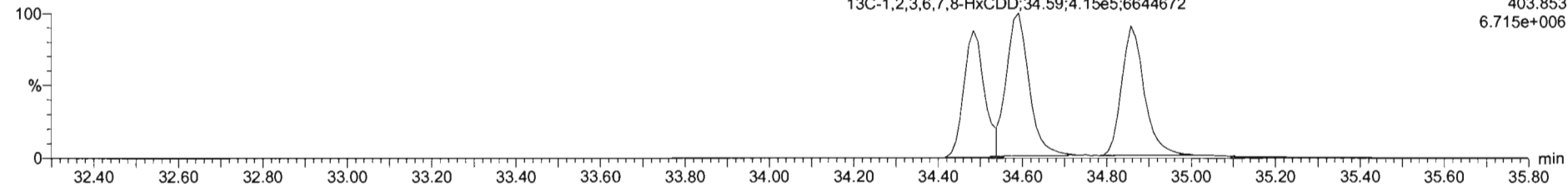


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200429R2_3



200429R2_3



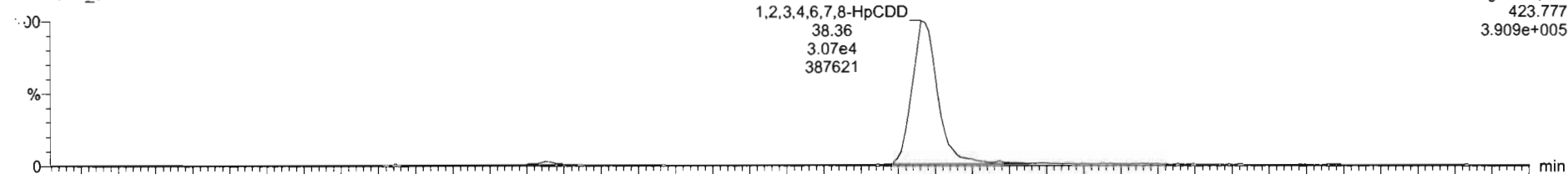
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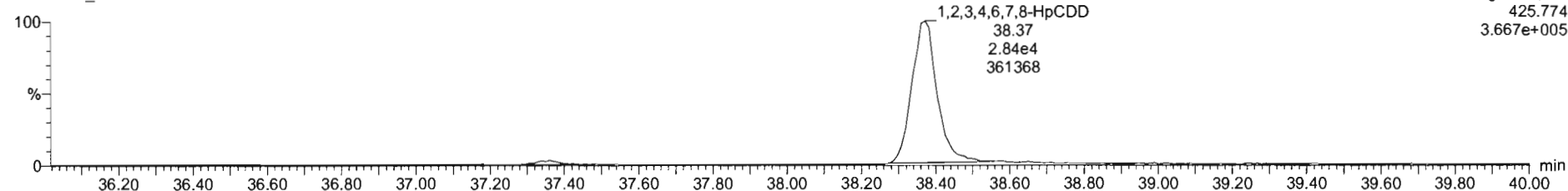
1,2,3,4,6,7,8-HpCDD

200429R2_3



F4:Voltage SIR,EI+
423.777
3.909e+005

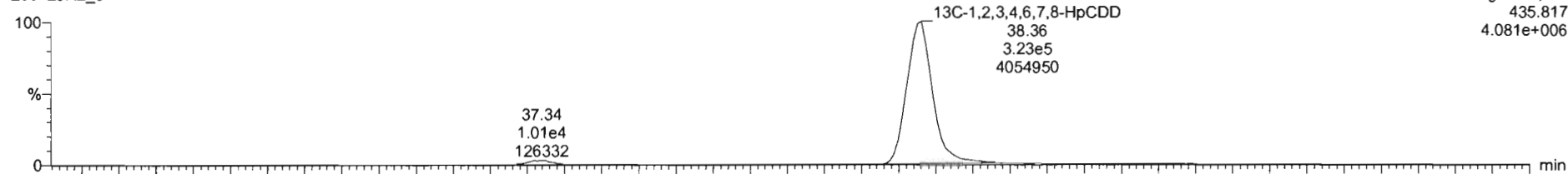
200429R2_3



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425.774
3.667e+005

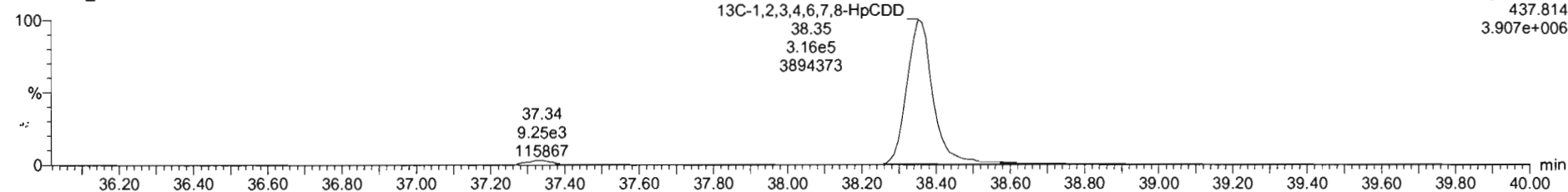
13C-1,2,3,4,6,7,8-HpCDD

200429R2_3



F4:Voltage SIR,EI+
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4.081e+006

200429R2_3



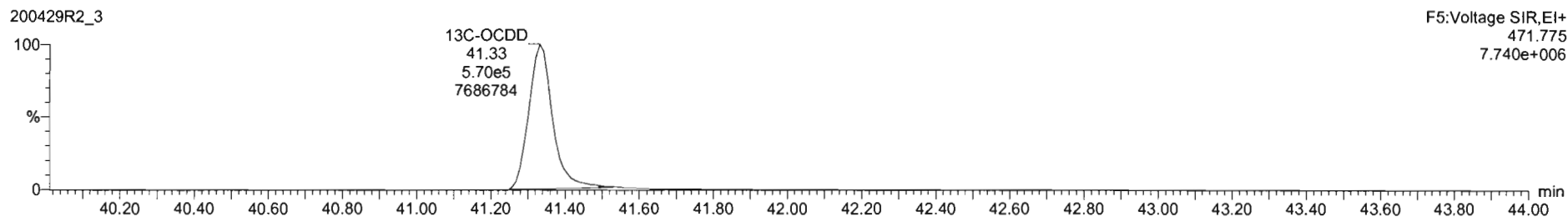
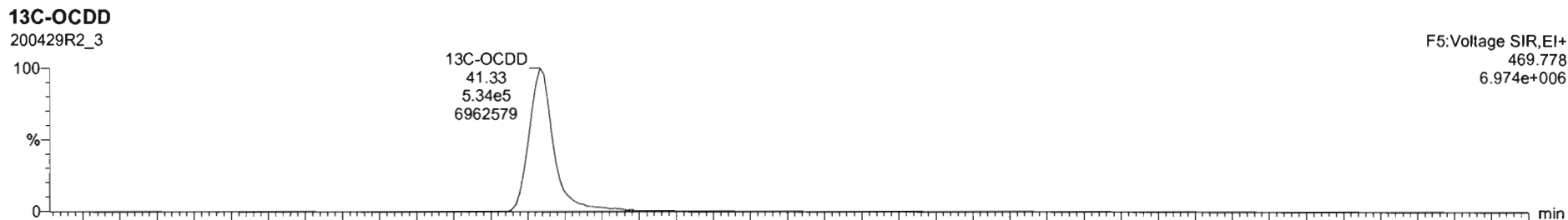
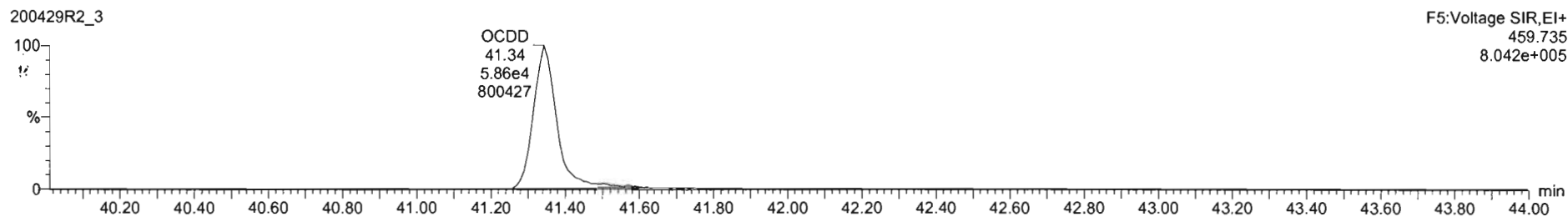
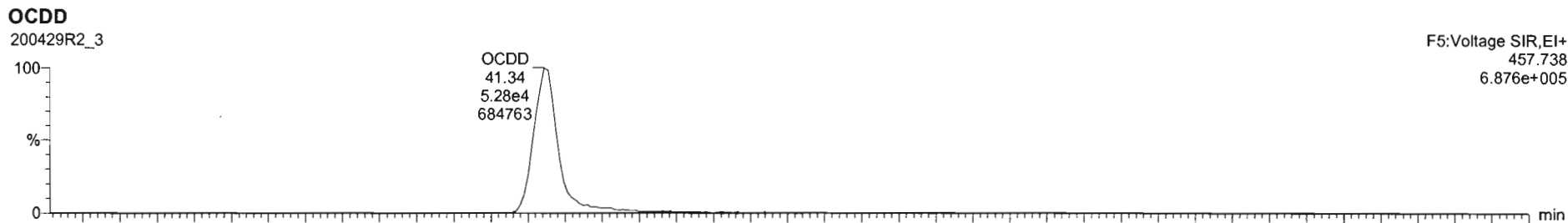
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3.907e+006

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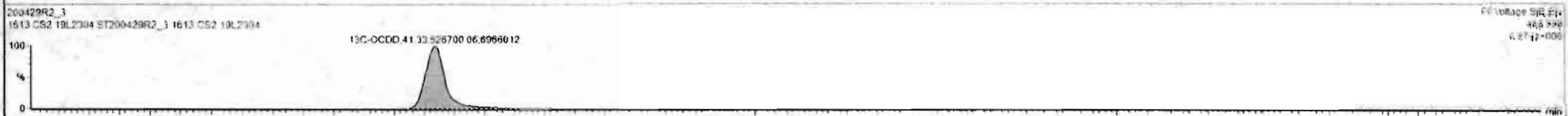
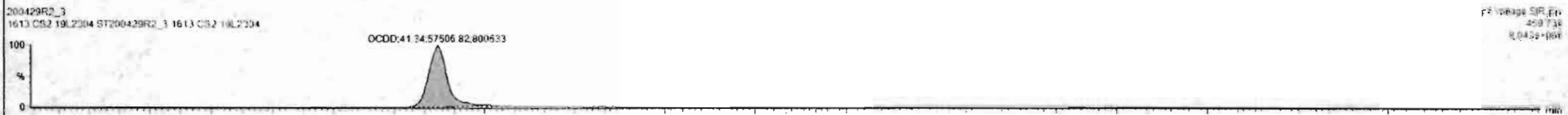
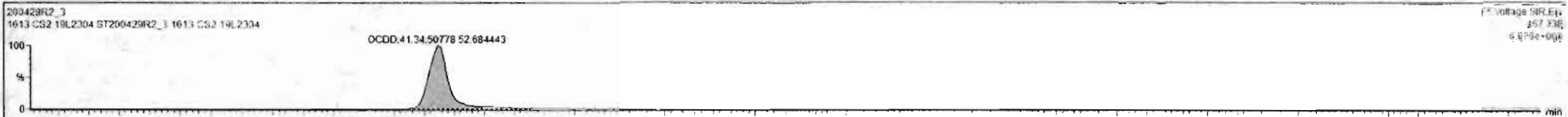
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Name: 200429R2_3, Date: 29-Apr-2020, Time: 15:02:24, ID: ST200429R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304



#	Name	RT	RA	yh	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	5.9094e4	6.5852e5	10.000	3.1	6.93	0.856	0.0622
7	OCDD	41.34	0.863	NO	1.0629e5	1.0663e6	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	5.06	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	1.0896e5	1.1366e6	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	0.0766
14	1,2,3,7,8,9-HxCDF	35.21	1.223	NO	7.7636e4	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	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	4.8417e4	4.7188e5	10.000	3.5	6.62	1.01	0.0670
17	OCDF	41.52	0.877	NO	1.0707e5	1.2711e6	20.000	5.0	7.16	0.862	0.0575



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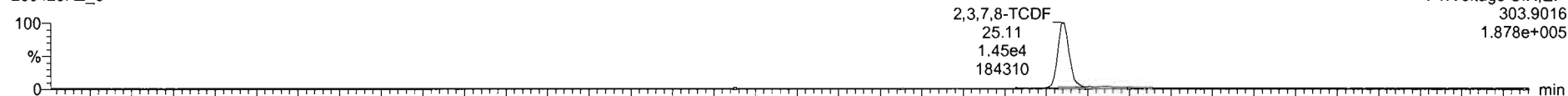
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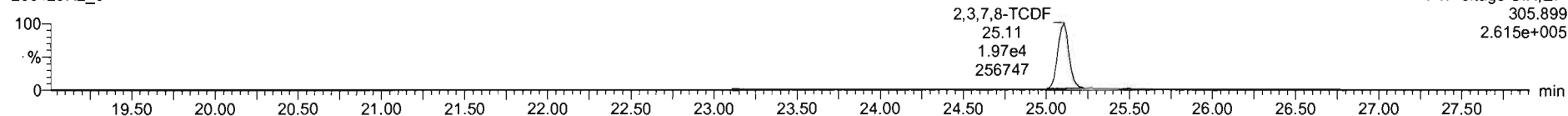
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2,3,7,8-TCDF

200429R2_3

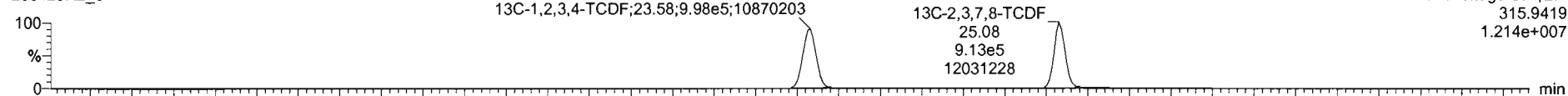


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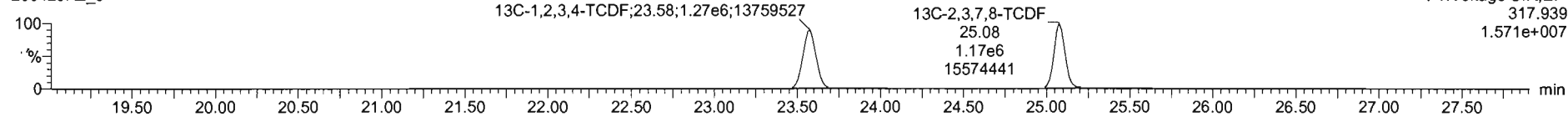


13C-2,3,7,8-TCDF

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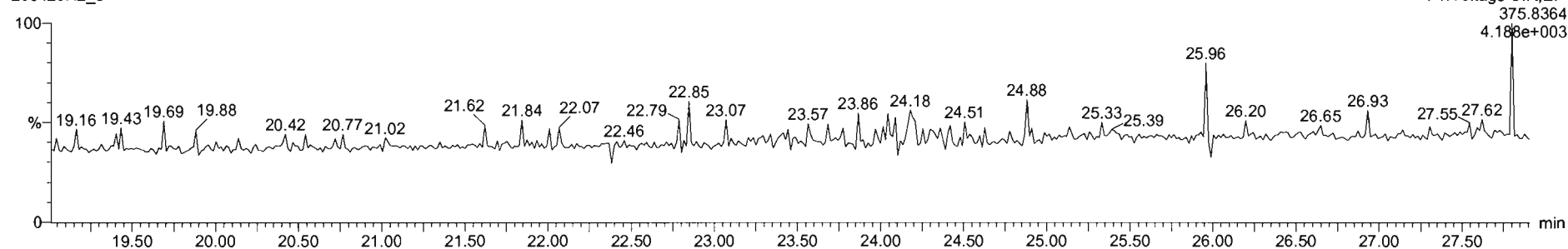


200429R2_3



DPE1

200429R2_3



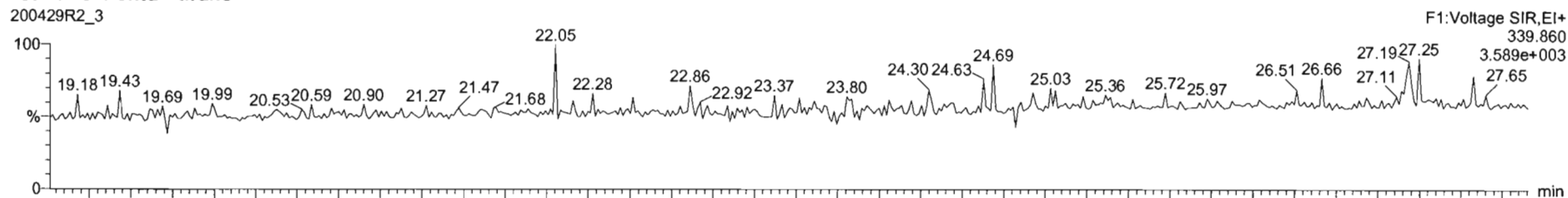
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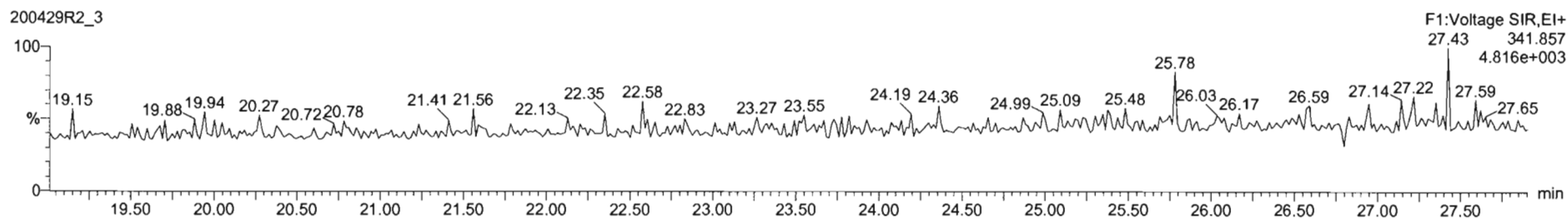
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200429R2_3

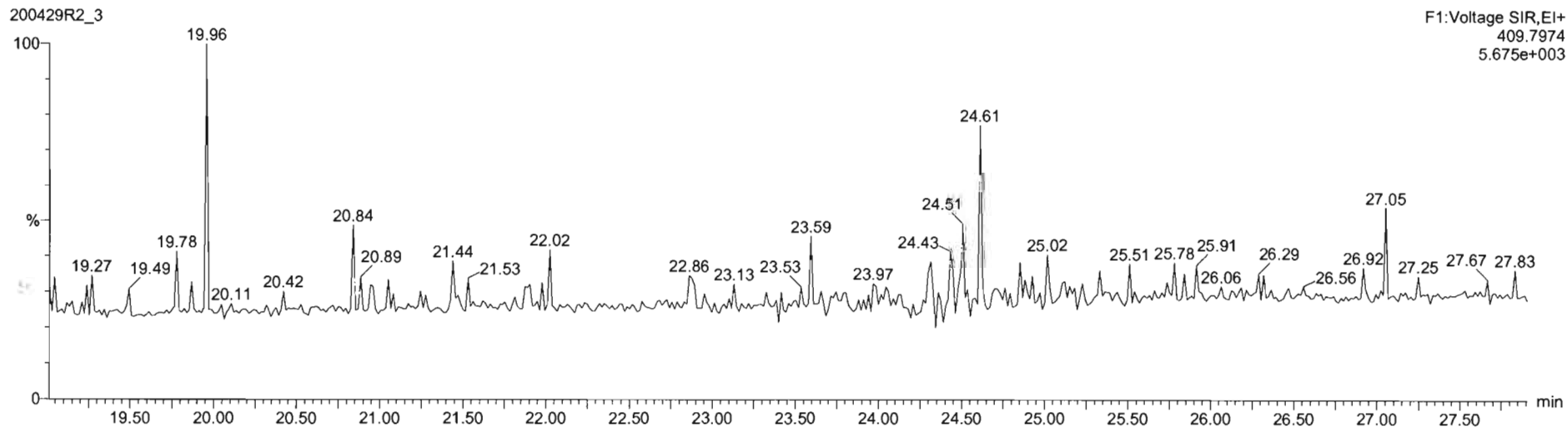


200429R2_3



DPE6

200429R2_3



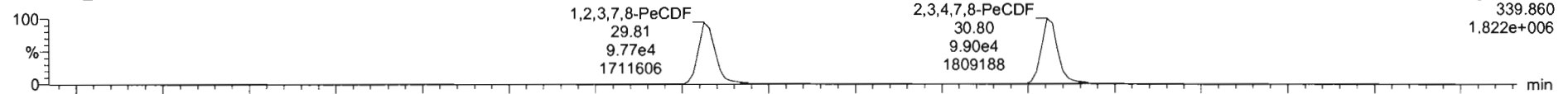
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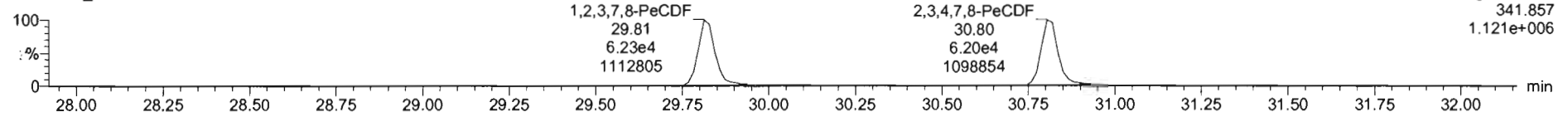
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1,2,3,7,8-PeCDF

200429R2_3

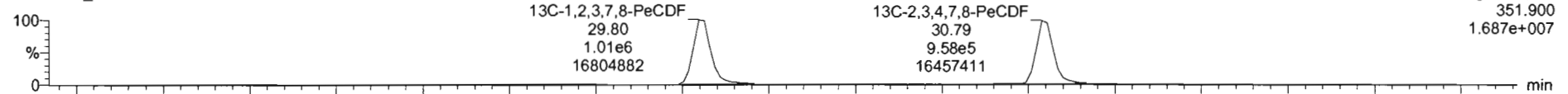


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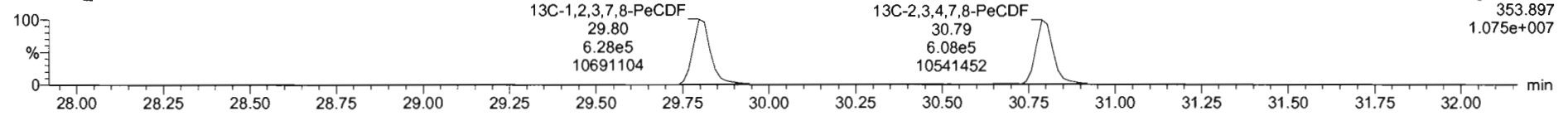


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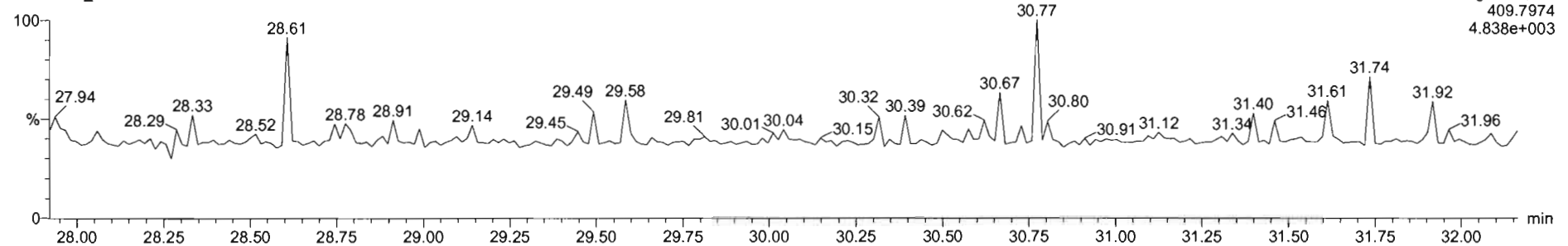


200429R2_3



DPE2

200429R2_3



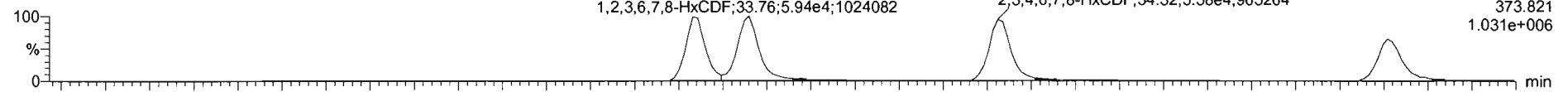
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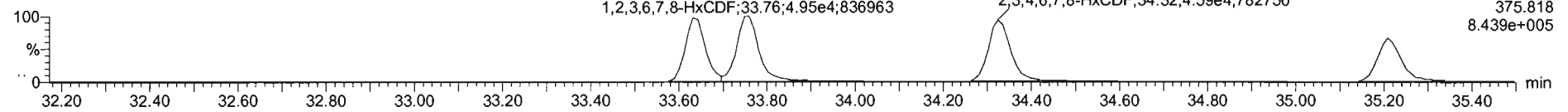
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1,2,3,4,7,8-HxCDF

200429R2_3

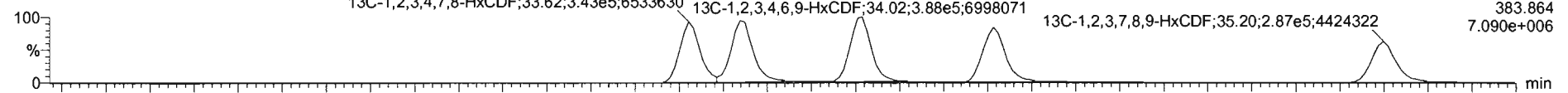


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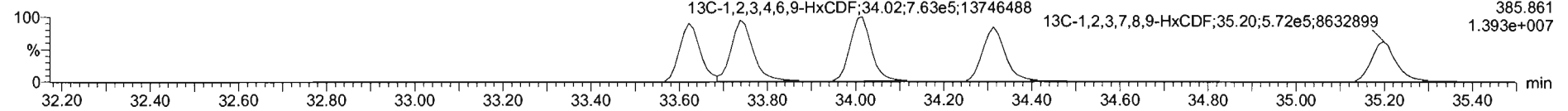


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200429R2_3

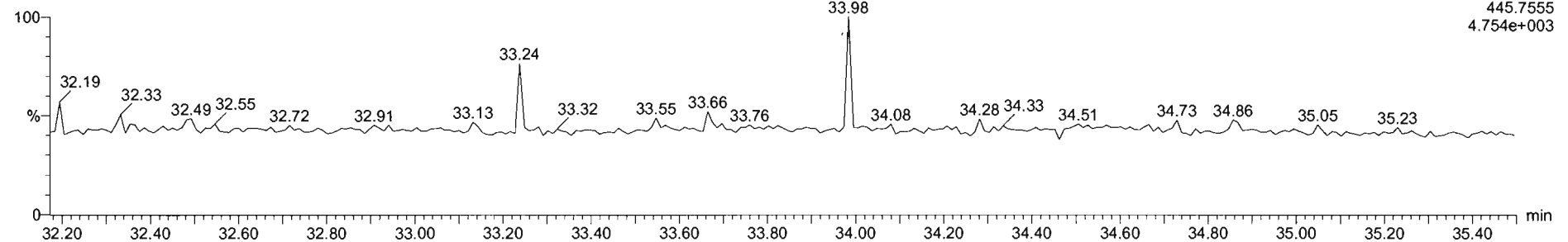


200429R2_3



DPE3

200429R2_3



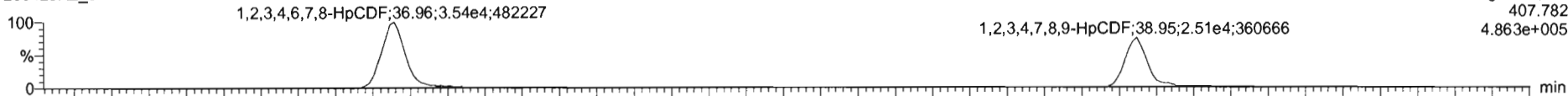
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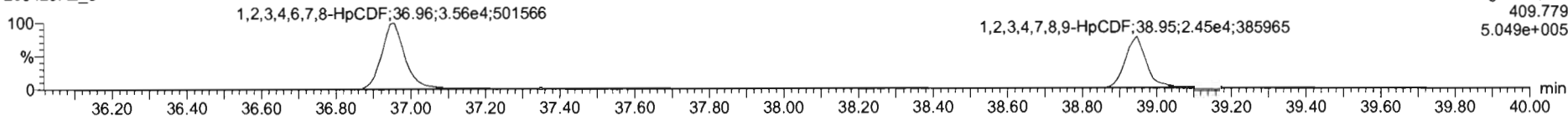
1,2,3,4,6,7,8-HpCDF

200429R2_3



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407.782
4.863e+005

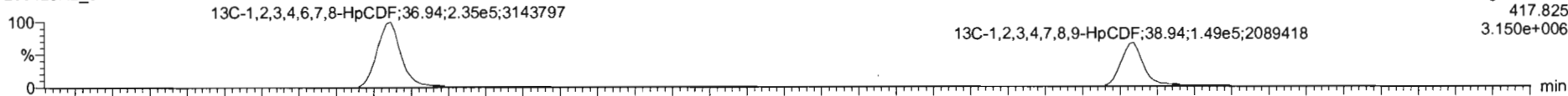
200429R2_3



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5.049e+005

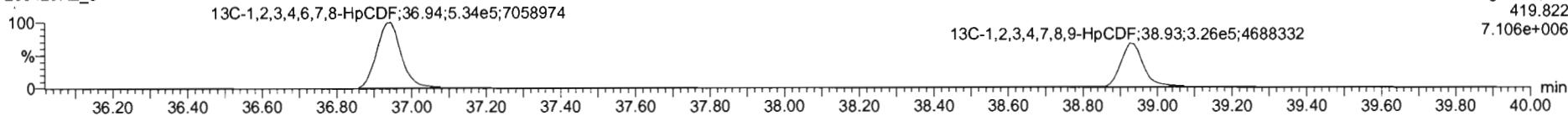
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200429R2_3



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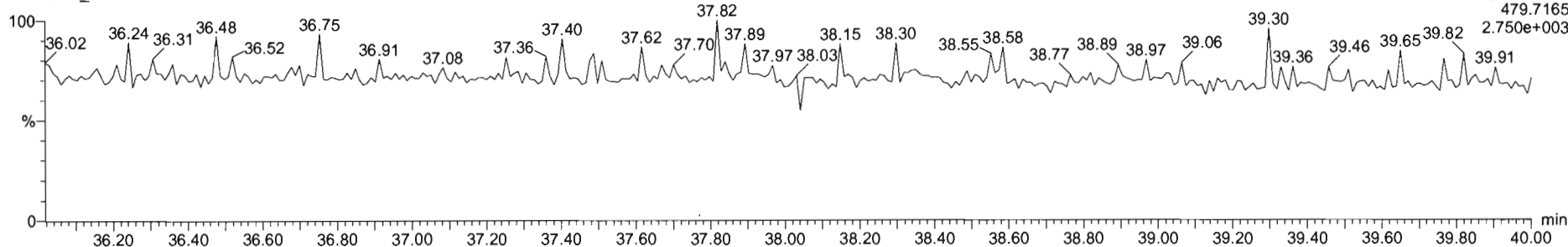
200429R2_3



F4:Voltage SIR,EI+
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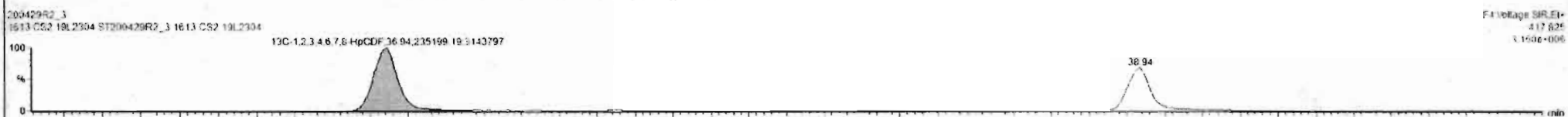
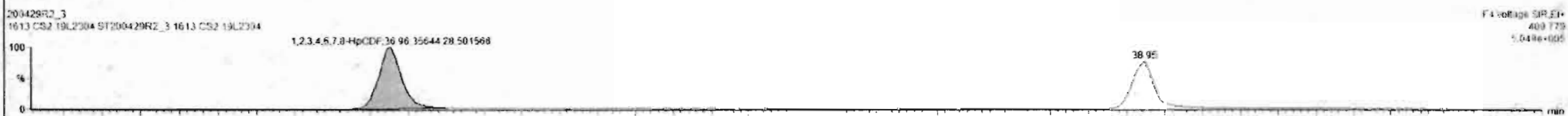
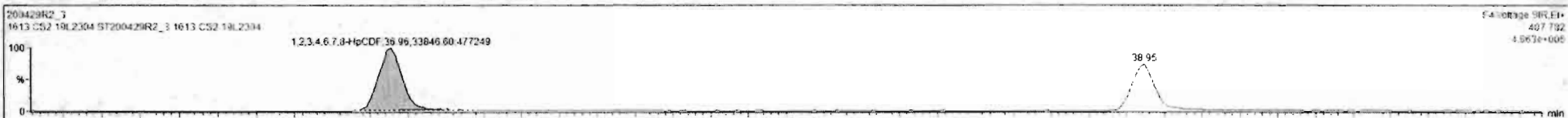
DPE4

200429R2_3



F4:Voltage SIR,EI+
479.7165
2.750e+003

#	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	1.567	NO	1.5997e5	1.8425e6	10.000	7.0	5.66	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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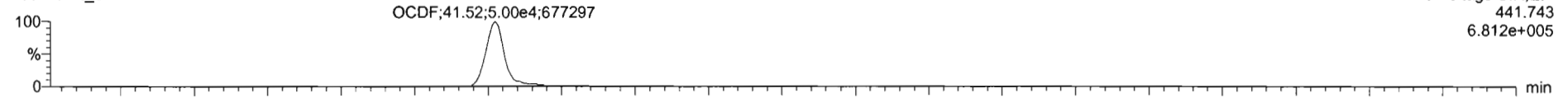
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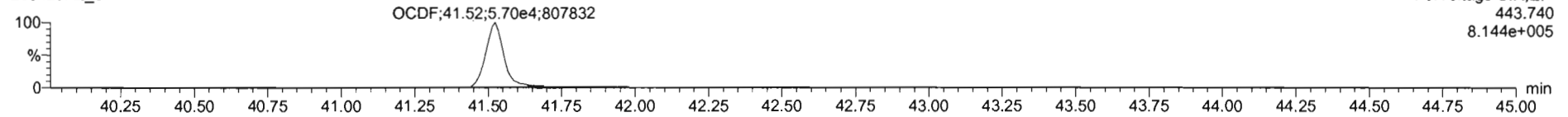
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OCDF

200429R2_3

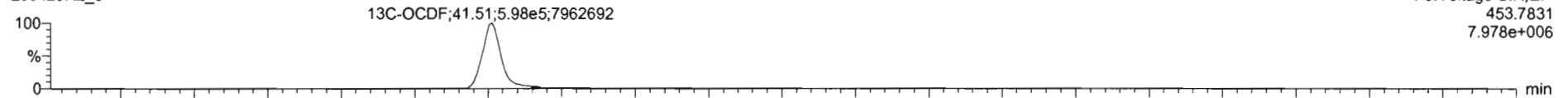


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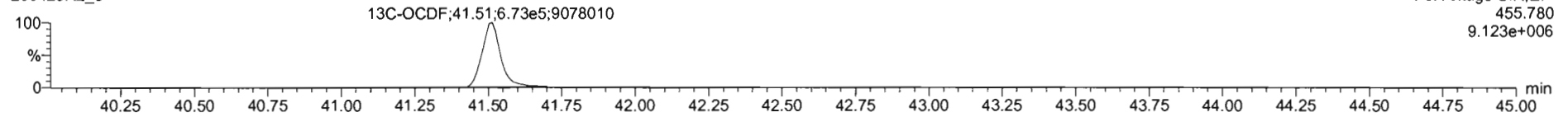


13C-OCDF

200429R2_3

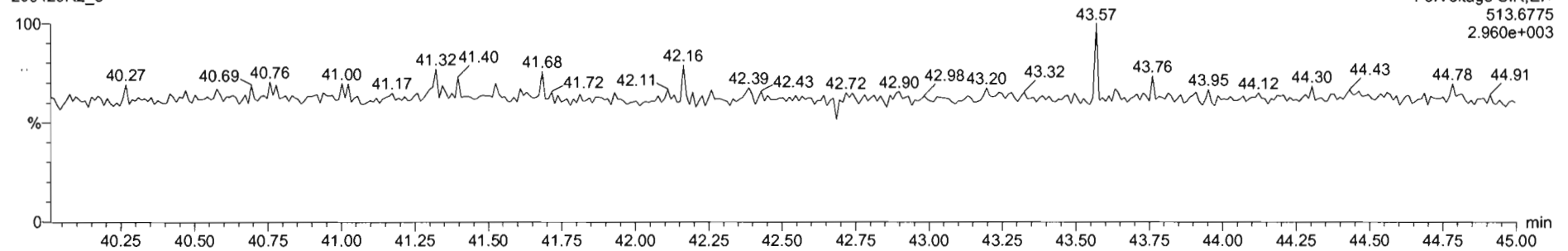


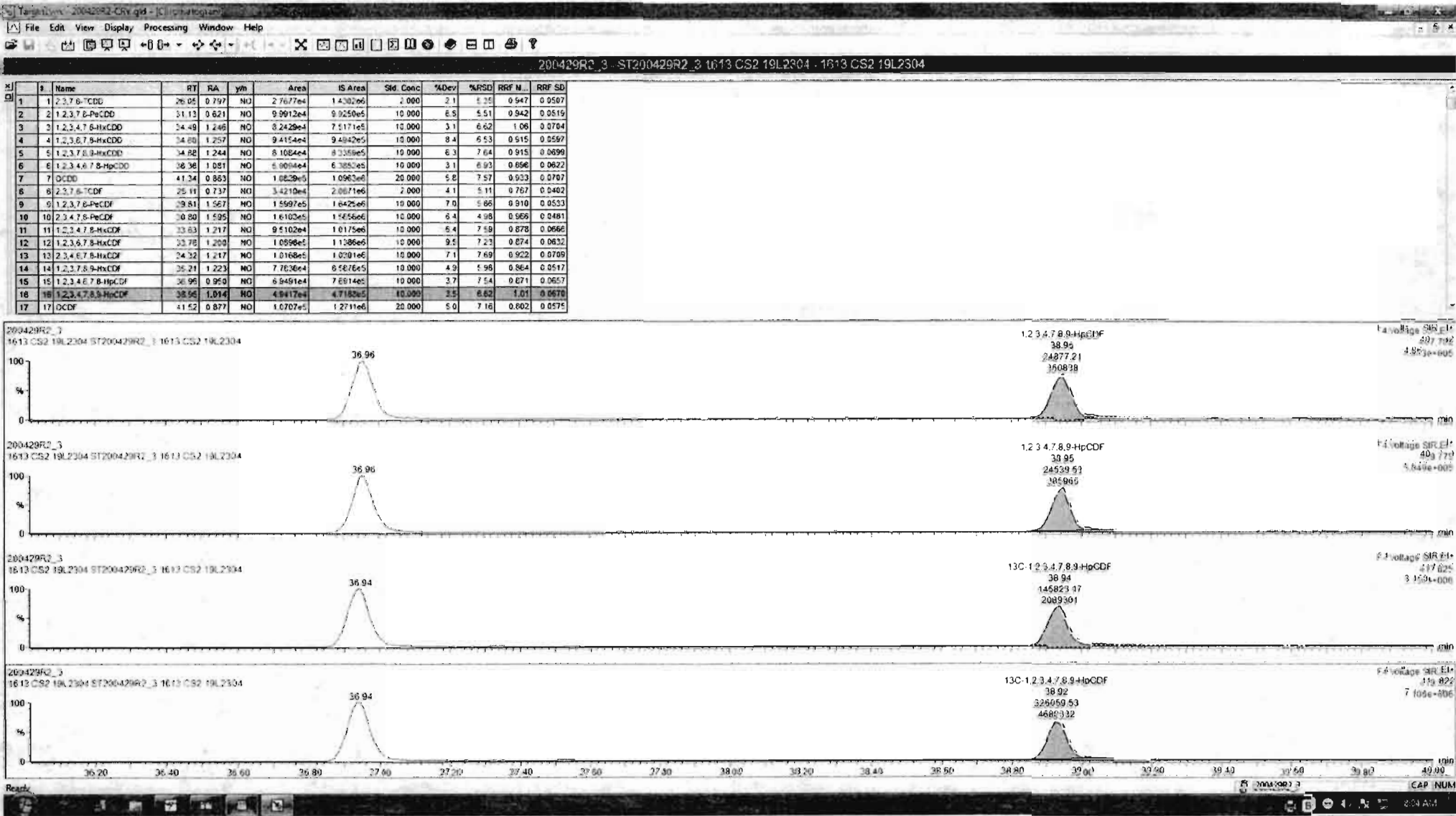
200429R2_3



DPE5

200429R2_3

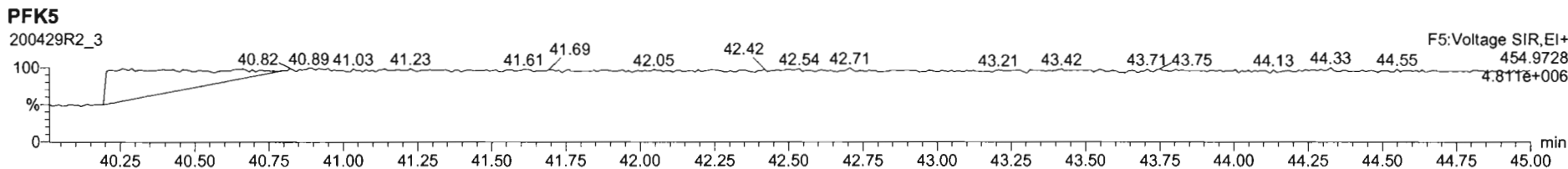
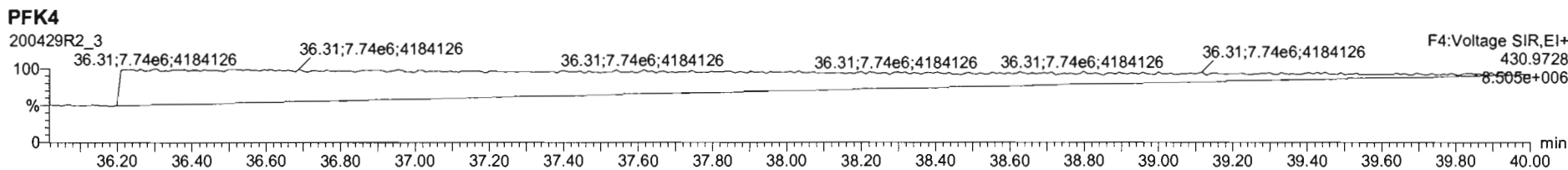
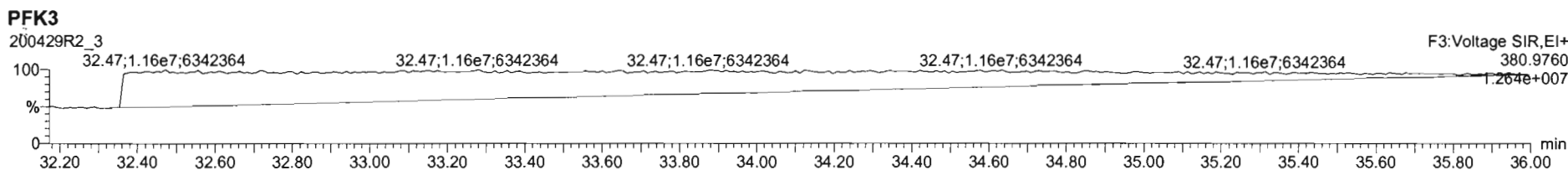
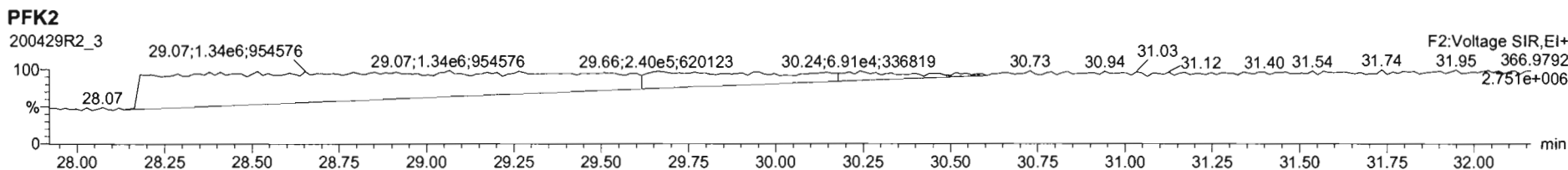
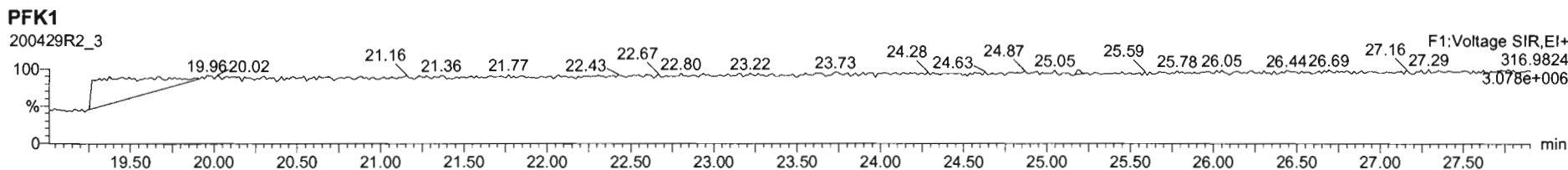




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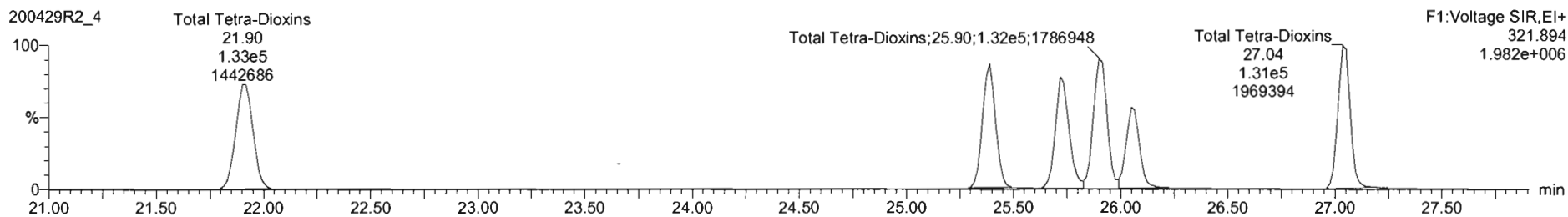
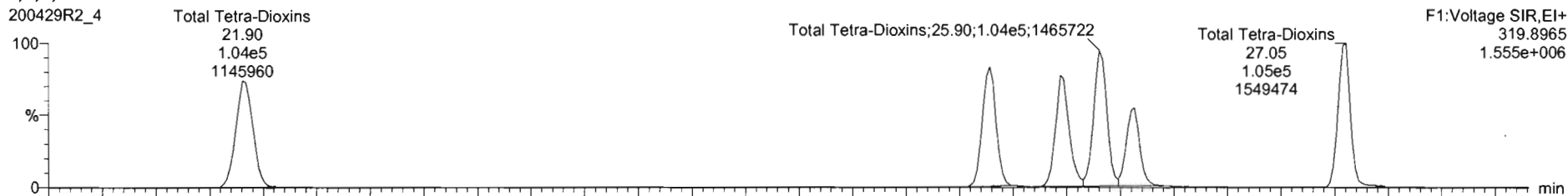


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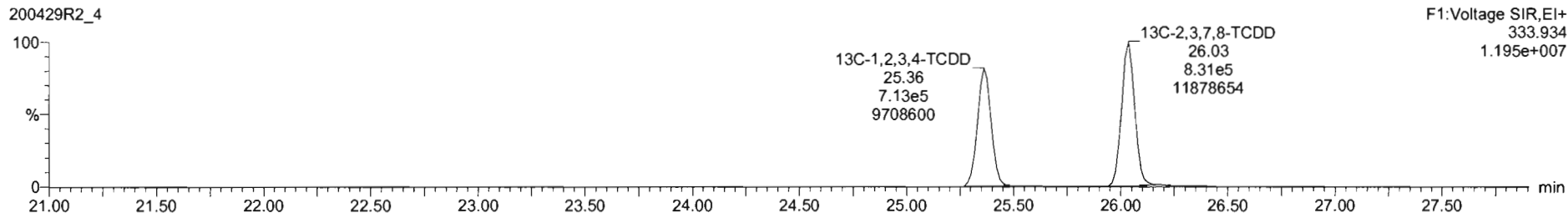
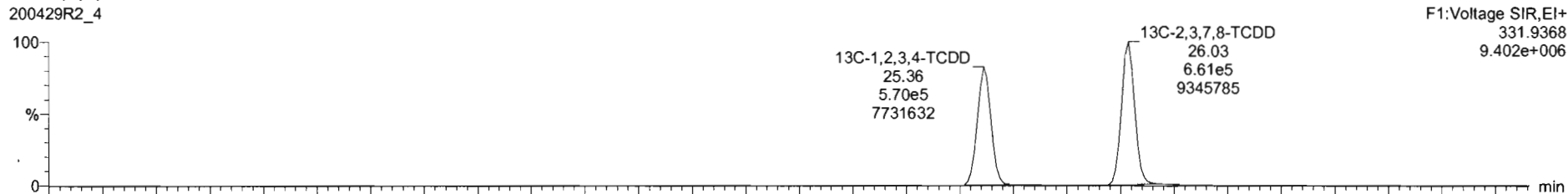
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2,3,7,8-TCDD



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



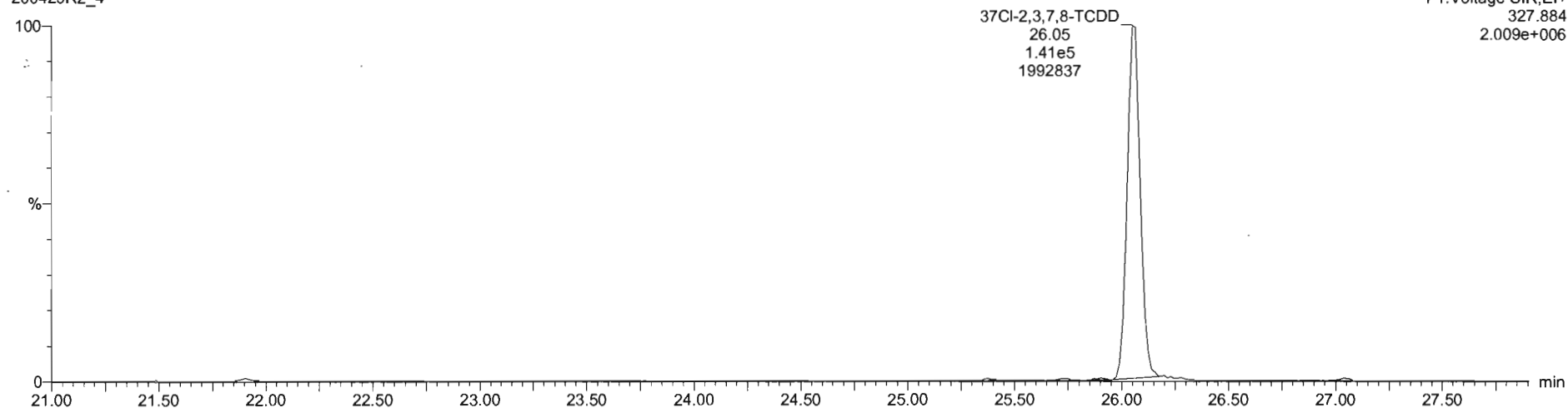
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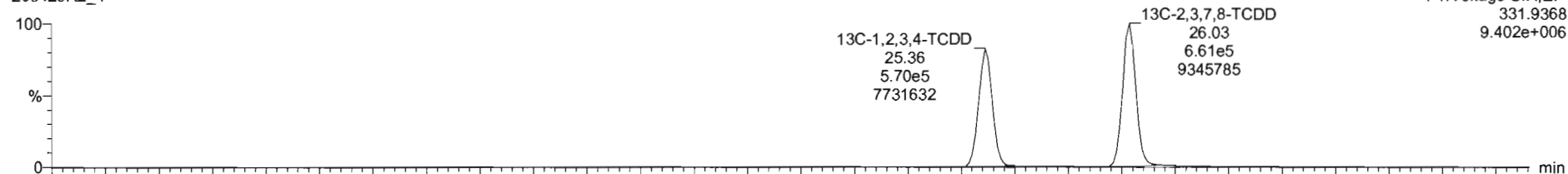
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200429R2_4

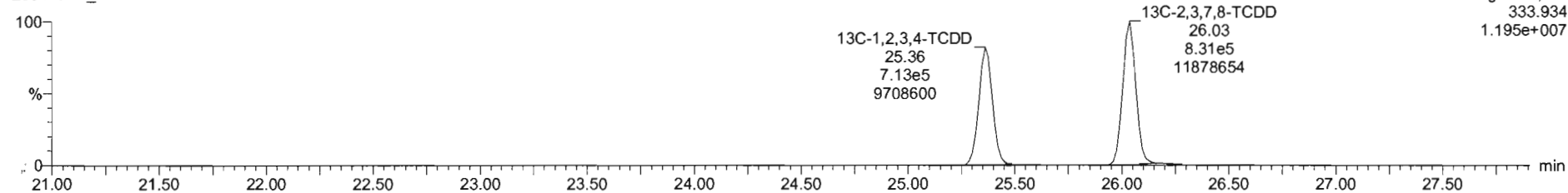


13C-1,2,3,4-TCDD

200429R2_4



200429R2_4



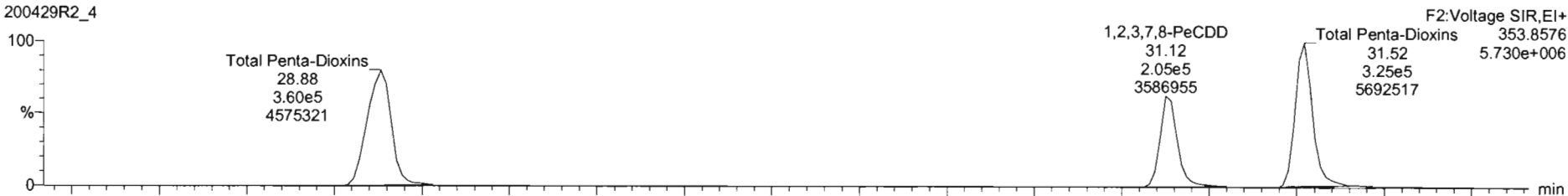
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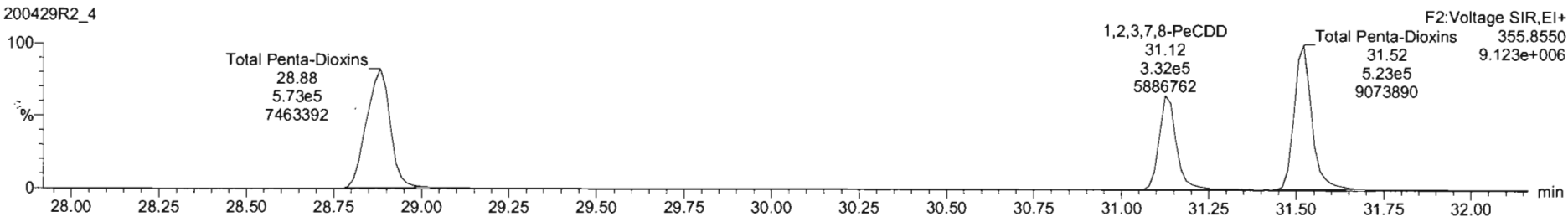
Name: 200429R2_4, Date: 29-Apr-2020, Time: 15:48:39, ID: ST200429R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,2,3,7,8-PeCDD

200429R2_4

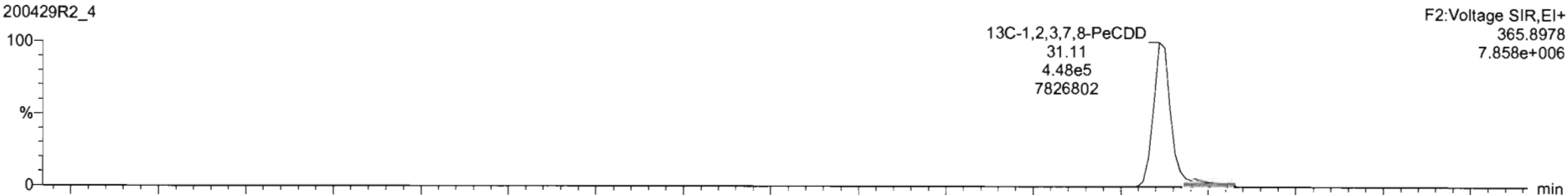


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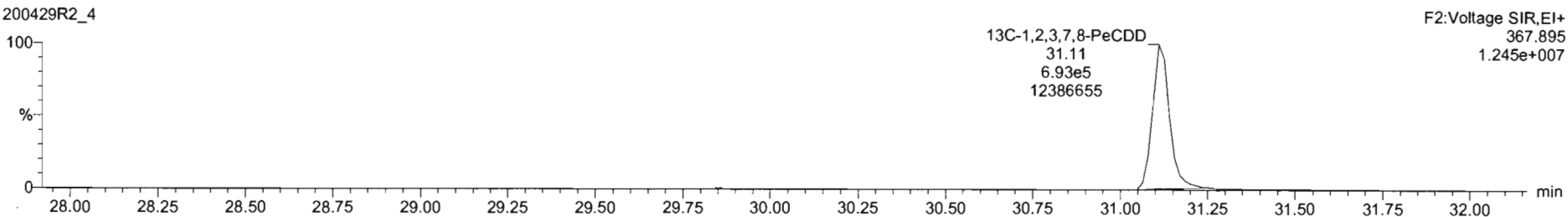


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200429R2_4



200429R2_4



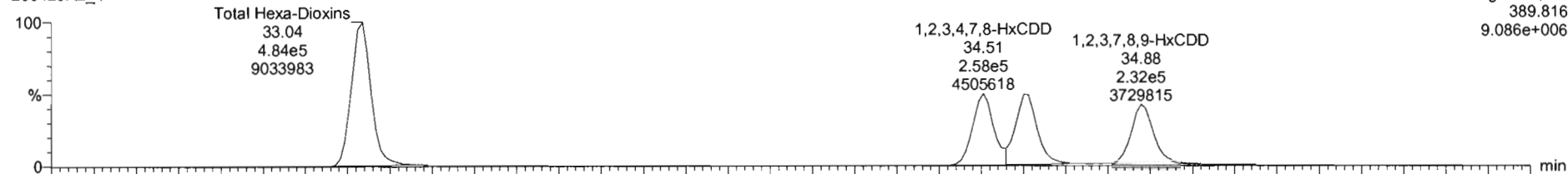
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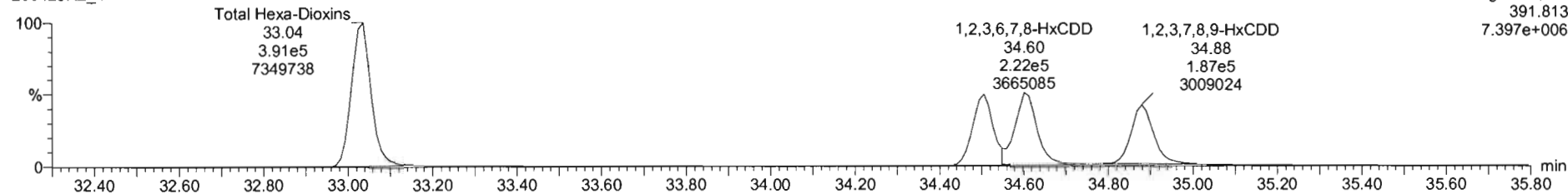
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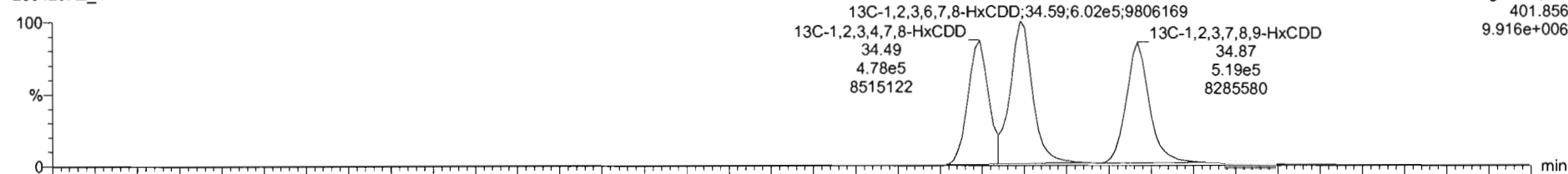


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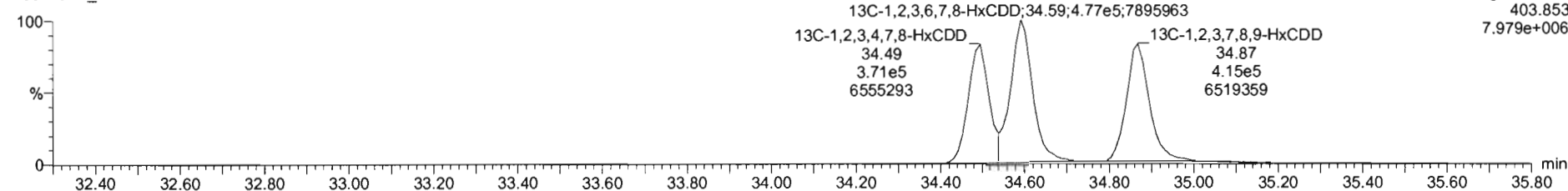


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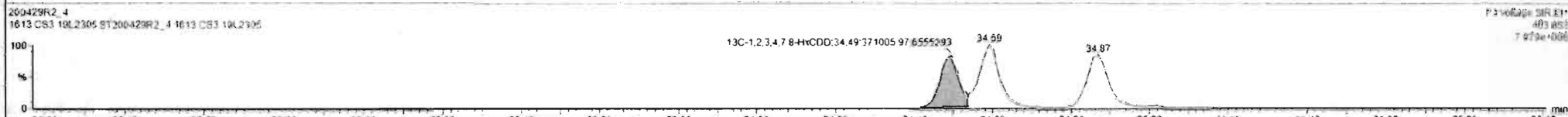
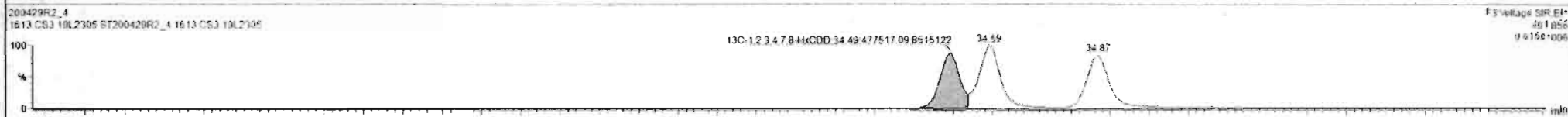
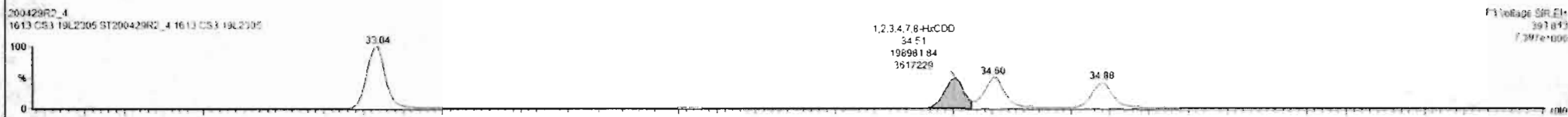
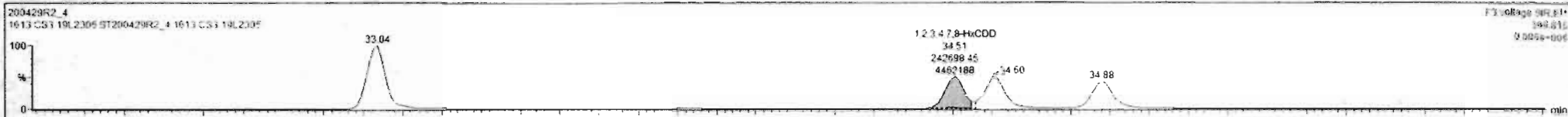
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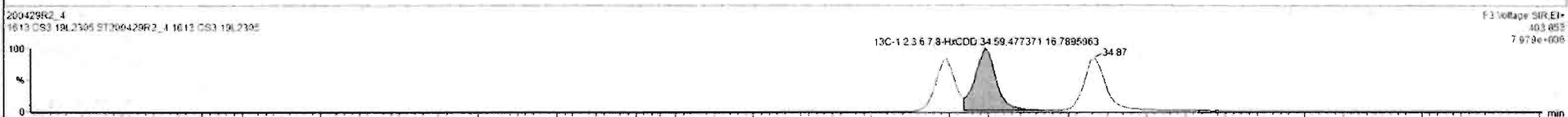
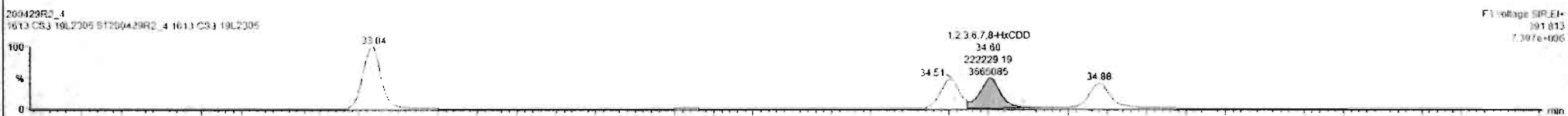
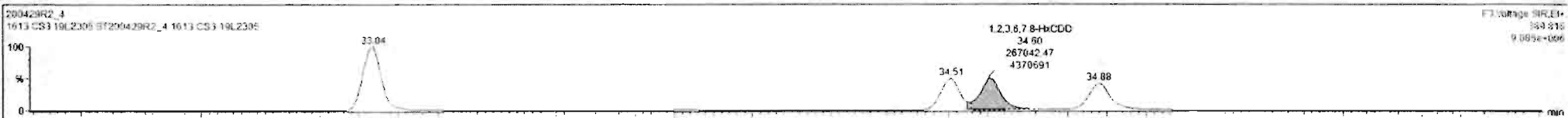
200429R2_4



#	s	Name	RT	RA	yh	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	8.4585e5	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	0.0657
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	0.0567
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	1.6620e6	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



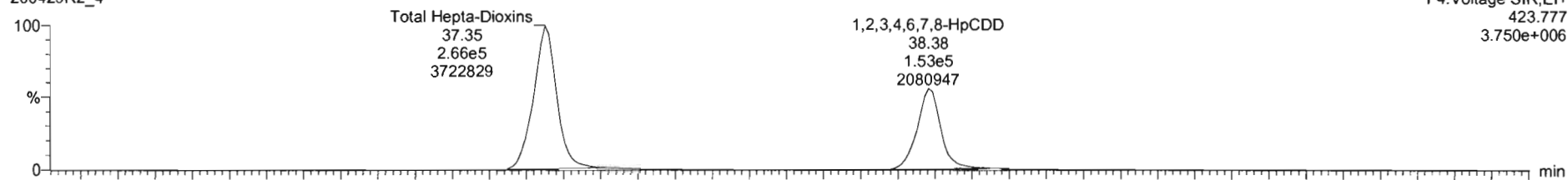
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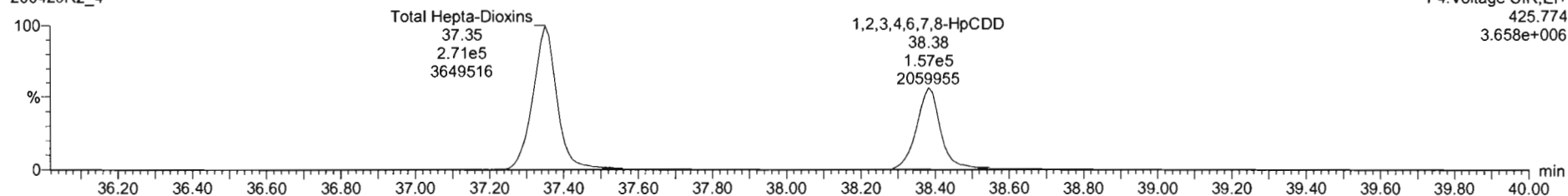
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200429R2_4



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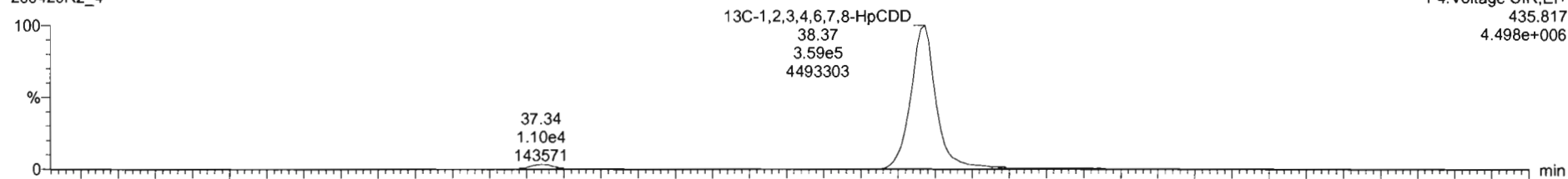
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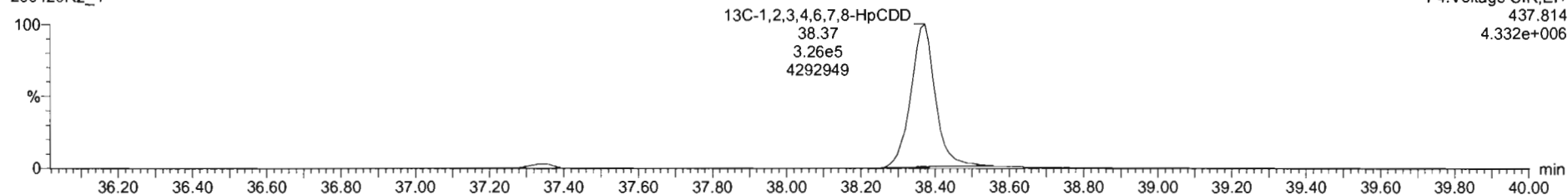
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200429R2_4



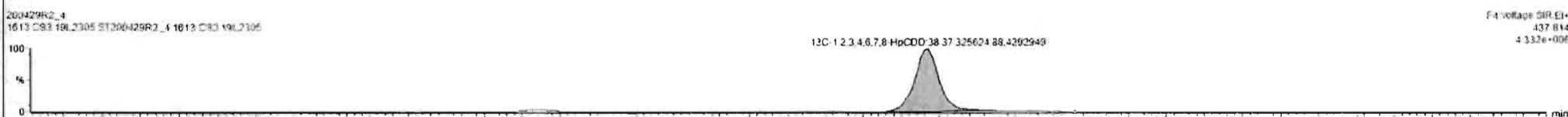
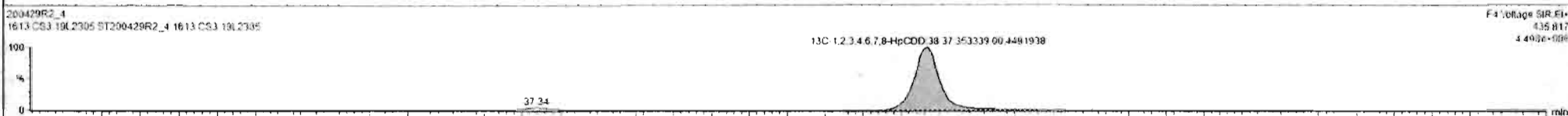
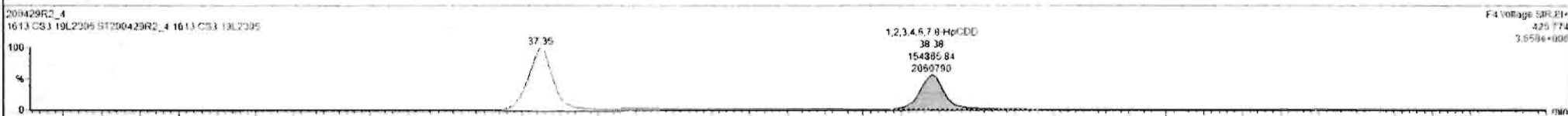
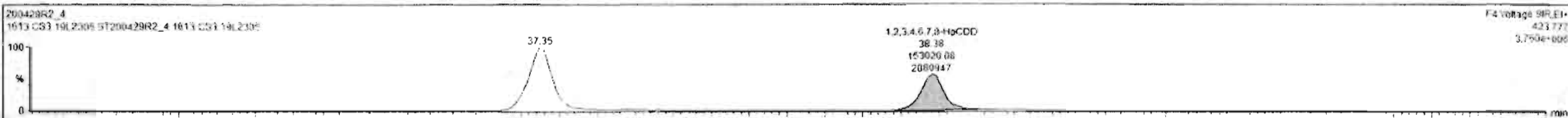
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200429R2_4



F4: Voltage SIR, EI+
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#	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



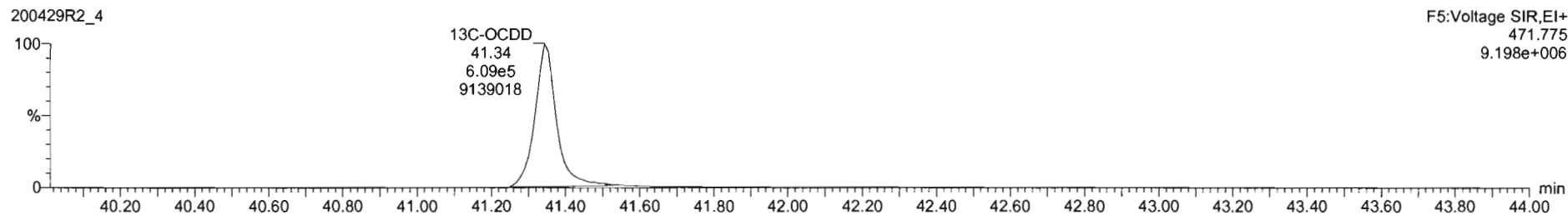
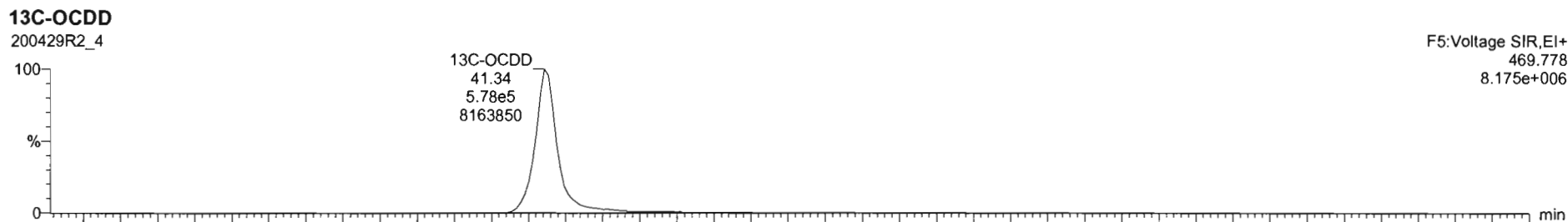
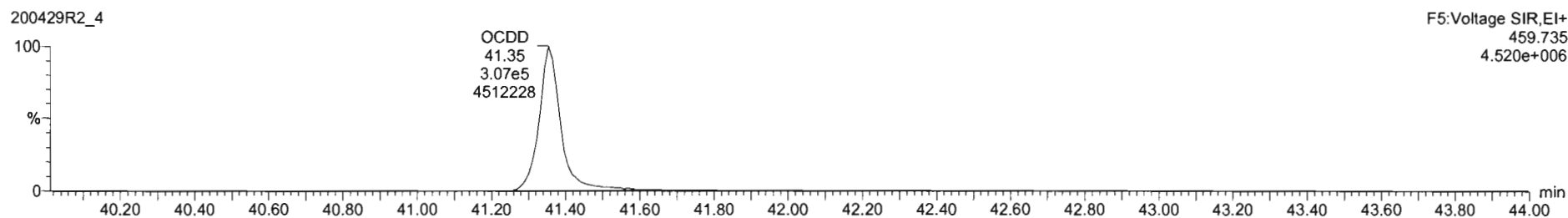
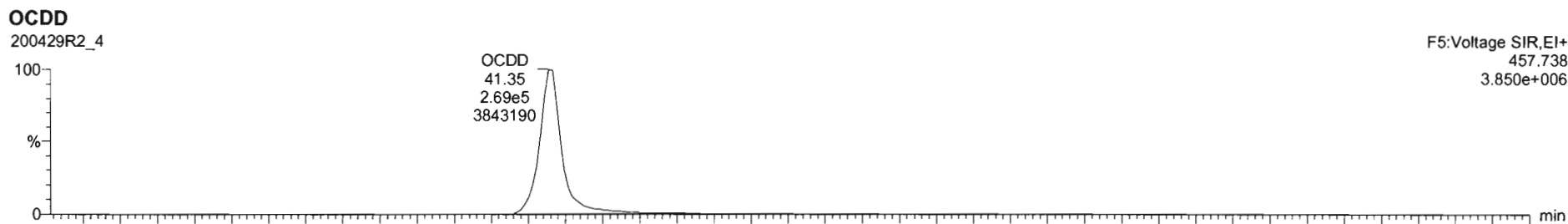
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Name: 200429R2_4, Date: 29-Apr-2020, Time: 15:48:39, ID: ST200429R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305



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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	4.4168e5	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	1.8722e6	50.000	0.0	5.85	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.95	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	33.75	1.173	NO	5.5706e5	1.2811e6	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

200429R2_4
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200429R2_4
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OCDD 41.35,299767 25.4510946
F5 Voltage SIR_EI+
469.735
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200429R2_4
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13C-OCDD 41.34,598365 06.0167432
F5 Voltage SIR_EI+
463.775
3.175e+006

200429R2_4
1613 CS3 19L2305 ST200429R2_4 1613 CS3 19L2305
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F5 Voltage SIR_EI+
471.775
9.190e+006

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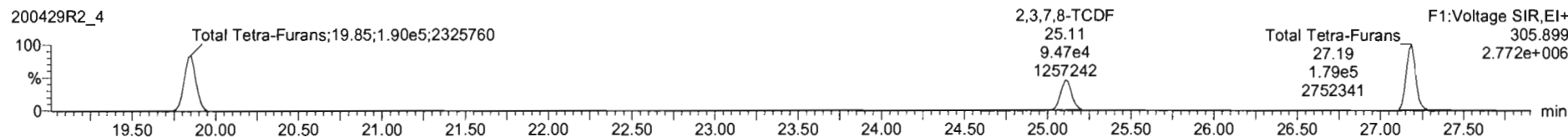
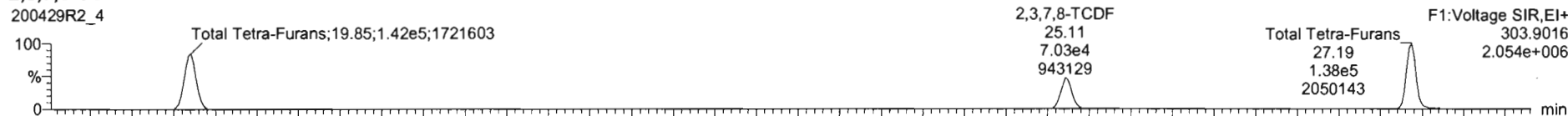
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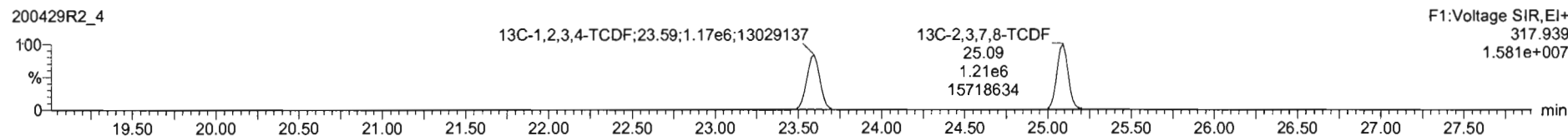
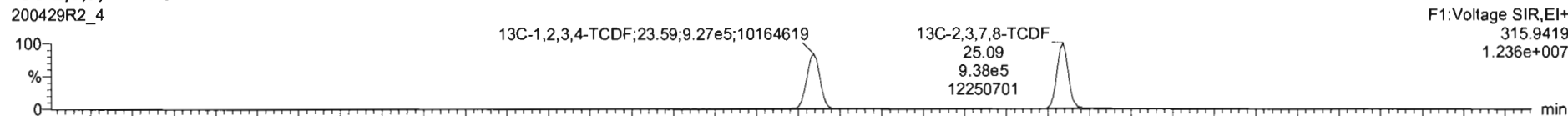
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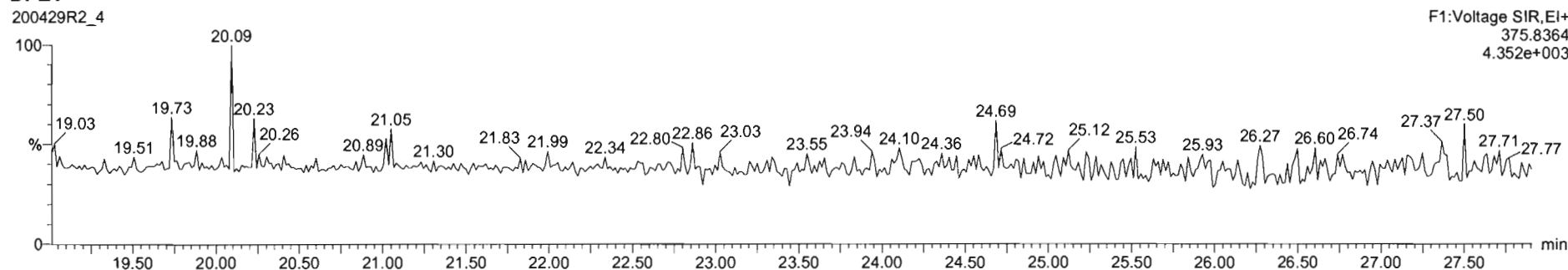
2,3,7,8-TCDF



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



DPE1



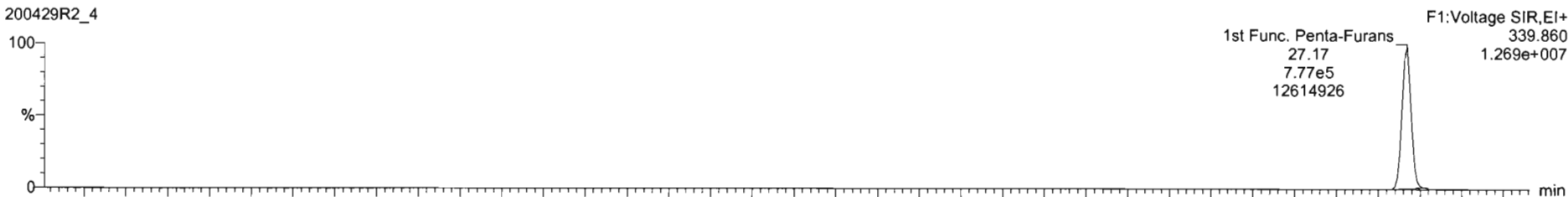
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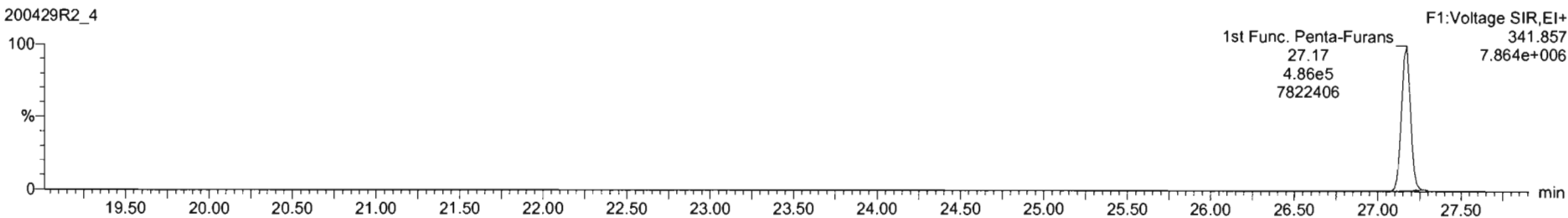
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1st Func. Penta-Furans

200429R2_4

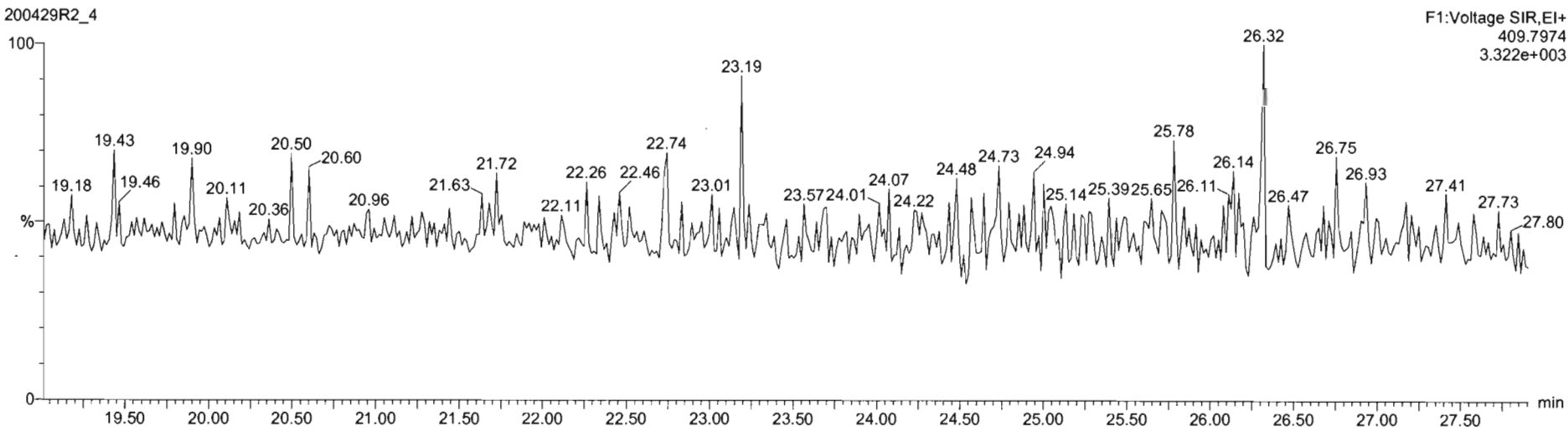


200429R2_4



DPE6

200429R2_4



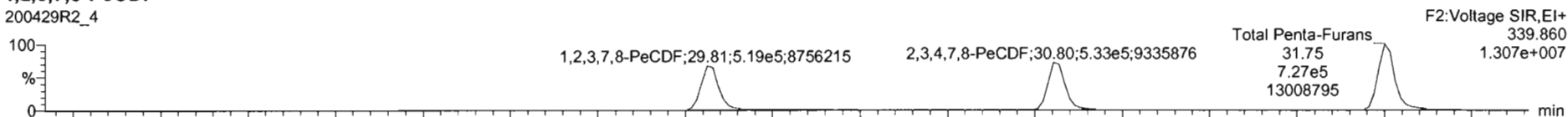
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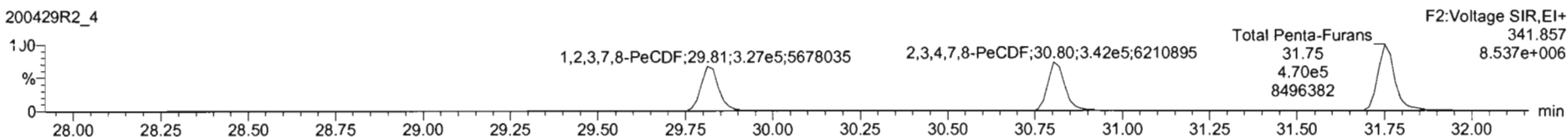
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1,2,3,7,8-PeCDF

200429R2_4

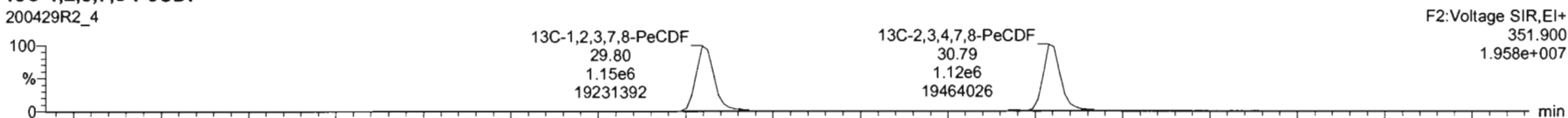


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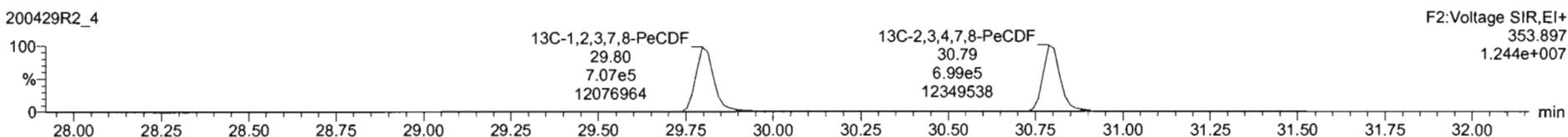


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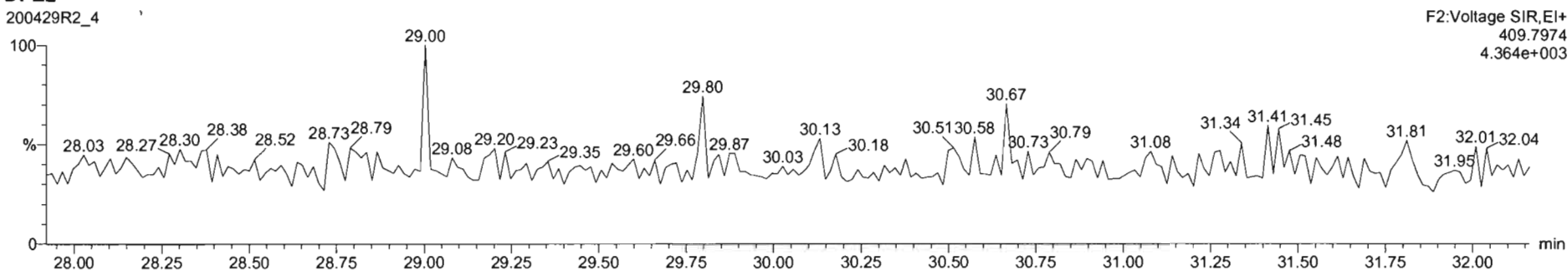


200429R2_4



DPE2

200429R2_4

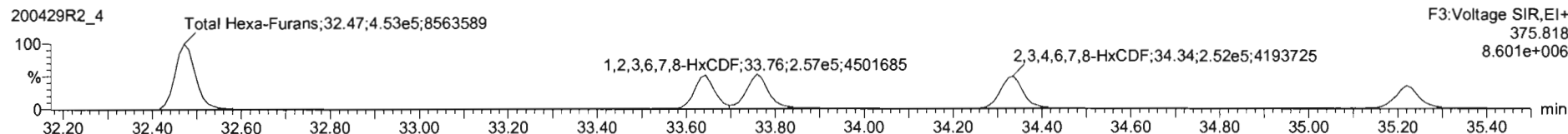
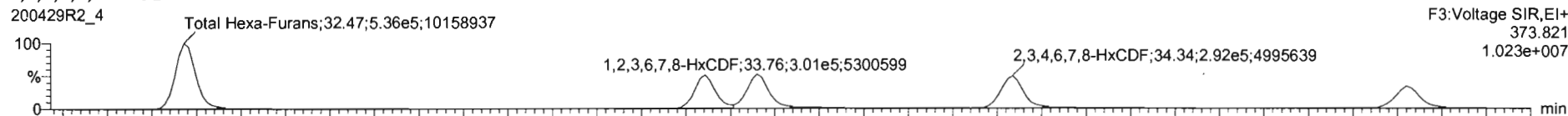


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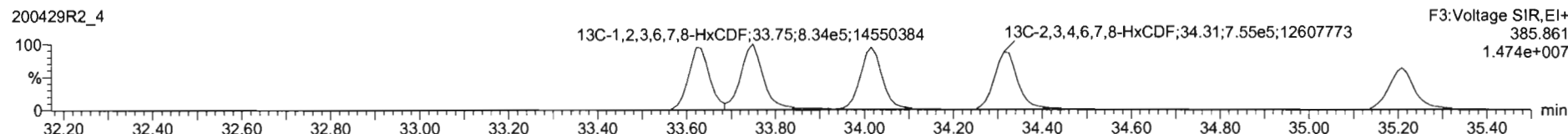
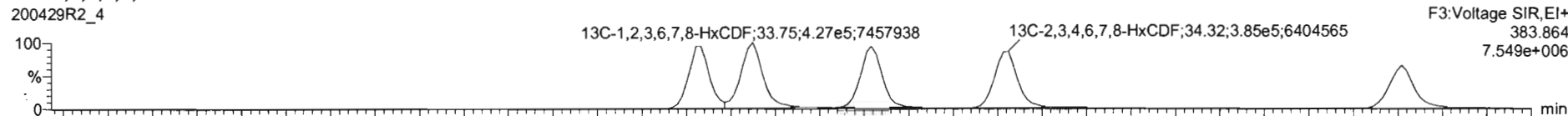
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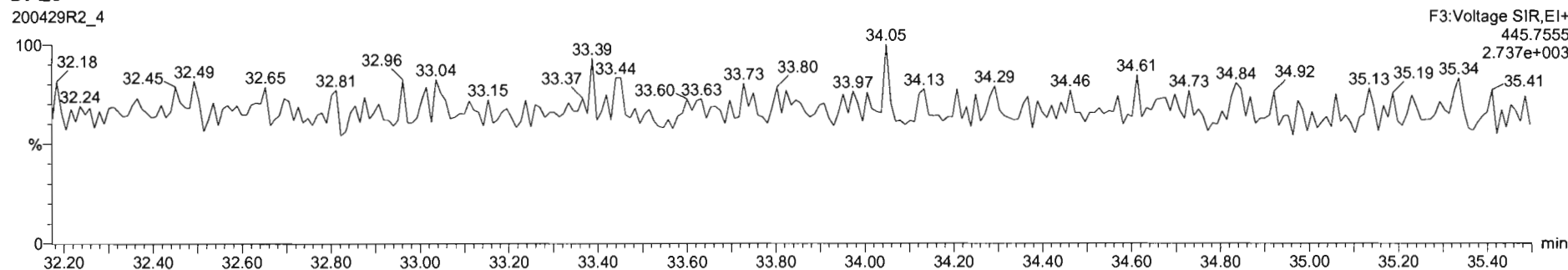
1,2,3,4,7,8-HxCDF



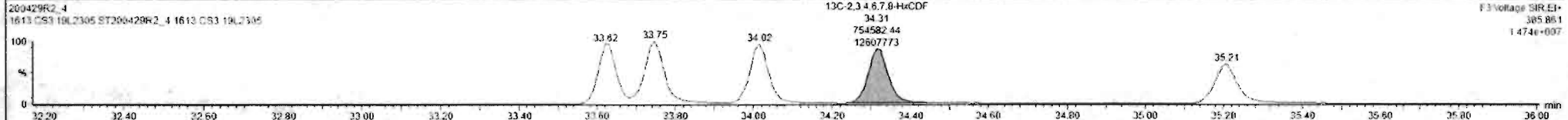
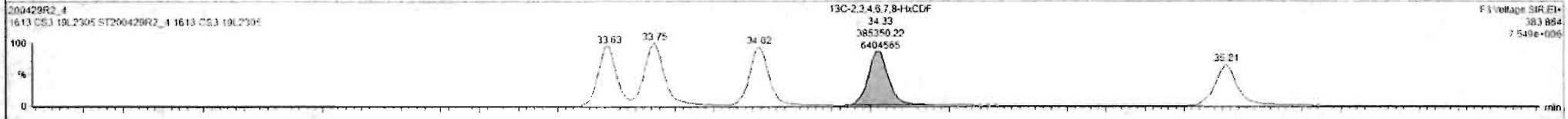
13C-1,2,3,4,7,8-HxCDF



DPE3



#	Name	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	9.5281e5	50.000	-1.8	7.64	0.915	0.0599
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	1.089	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	0.0705
14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2924e5	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

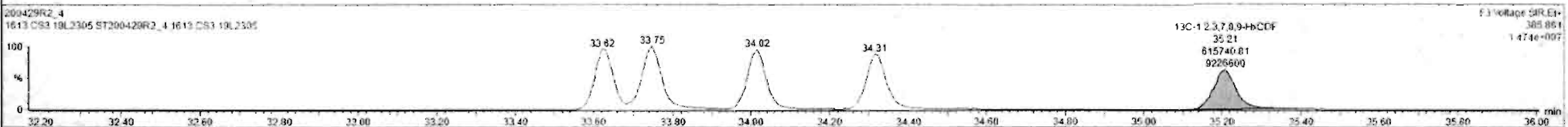
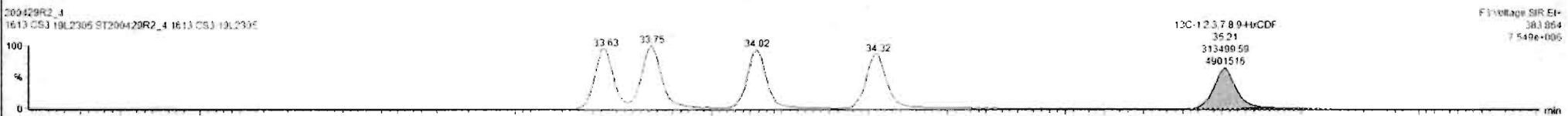
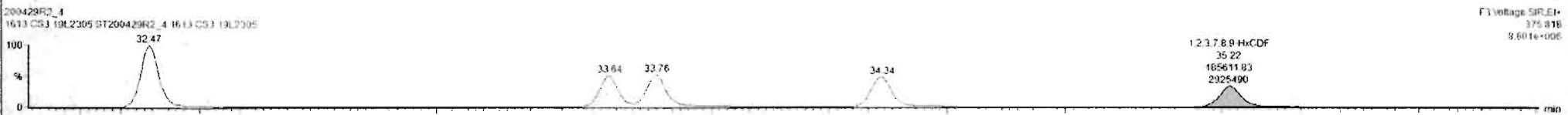


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200429R2_4 CAP NUM

8:08 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	0.761	NO	1.4250e5	1.4920e6	10.000	0.8	1.35	0.647	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	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	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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200429R2_4 CAP NUM

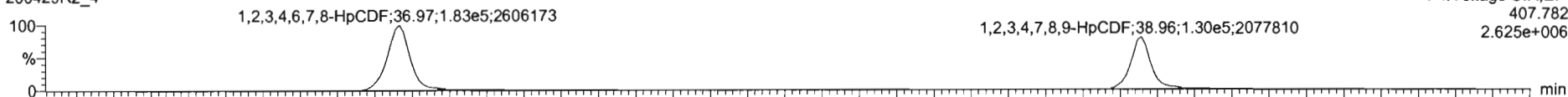
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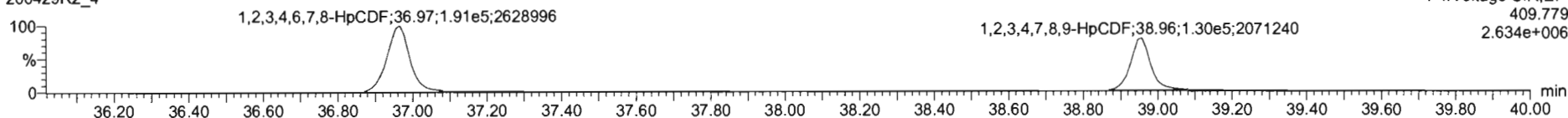
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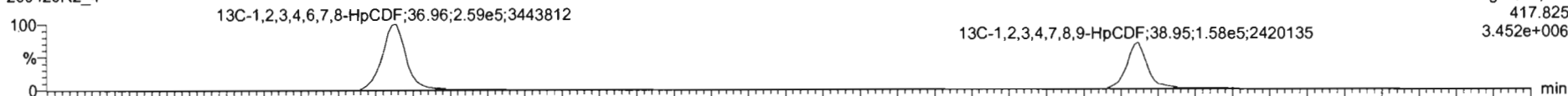


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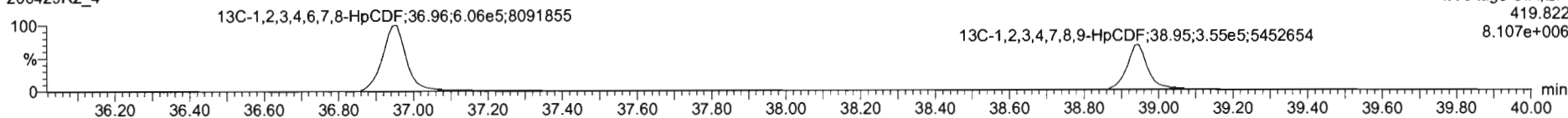


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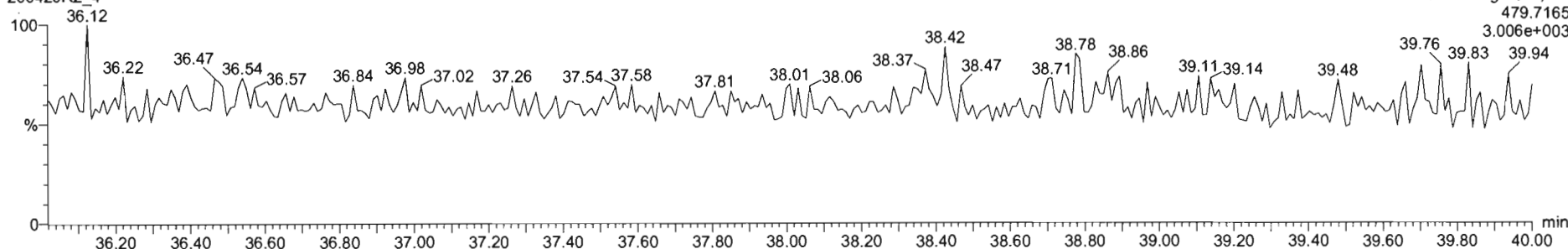


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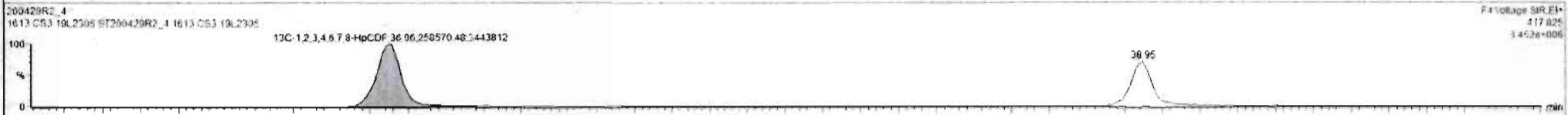
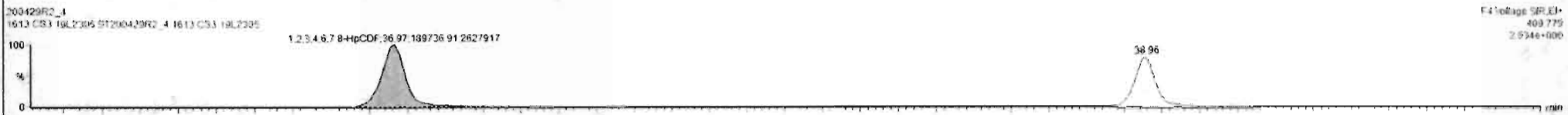


DPE4

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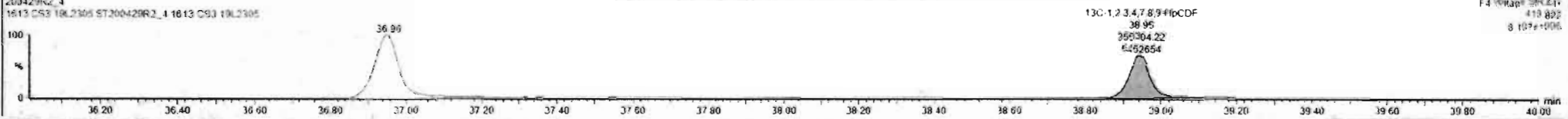
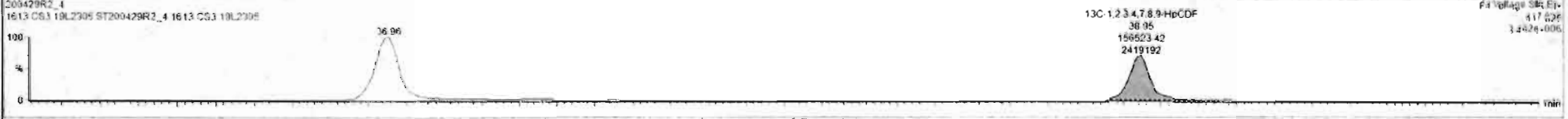
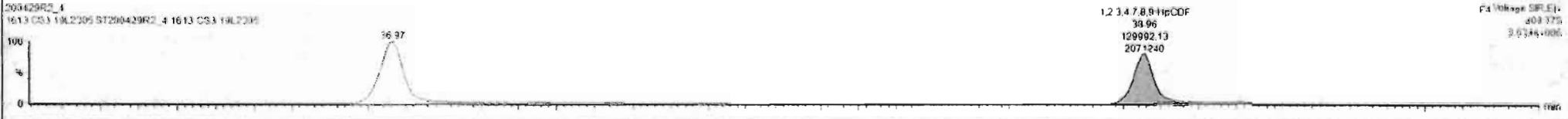
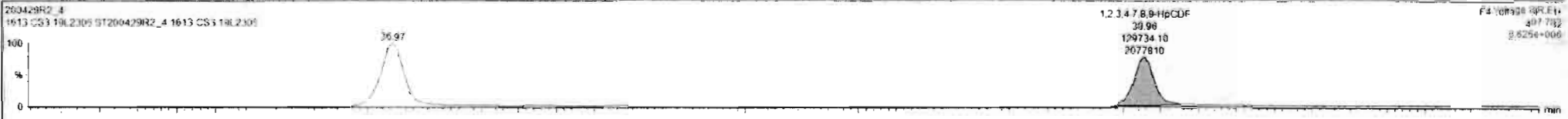


#	s	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1	1,2,3,7,8-TCDD	26.07	0.751	NO	1.4250e5	1.4820e6	10.000	0.8	5.25	0.947	0.0507
2	2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.2679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	3	1,2,3,4,7,8-HxCDD	34.51	1.220	NO	4.4160e5	3.4852e5	50.000	-2.2	6.62	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	0.856	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	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	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	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



Custom Reporting: Select reports to generate

#	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



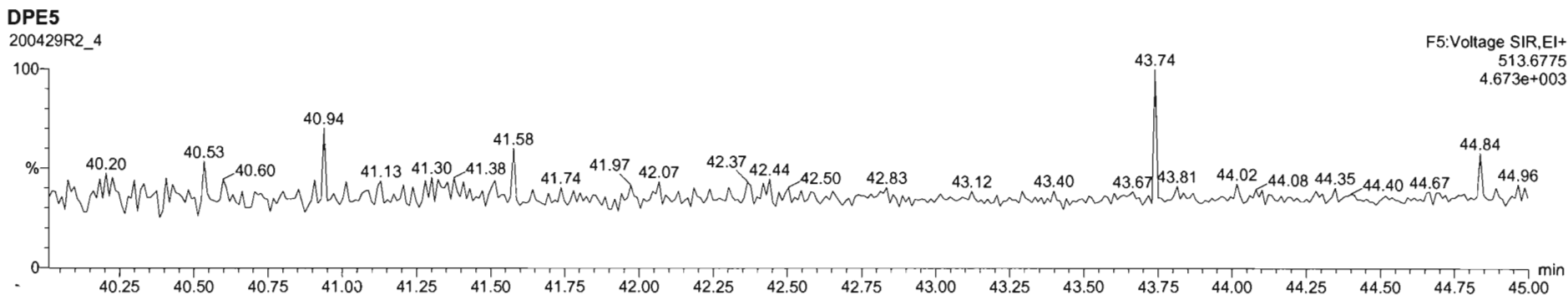
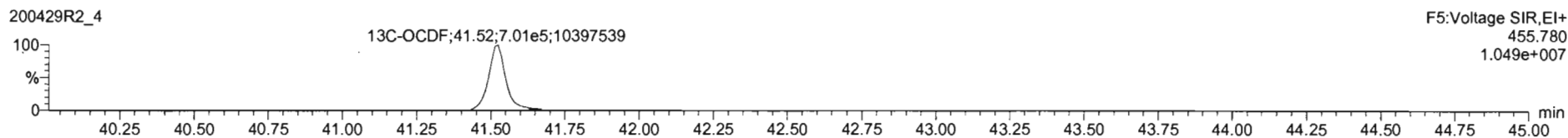
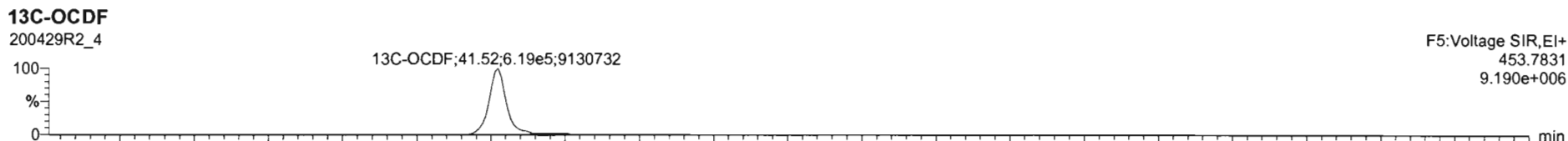
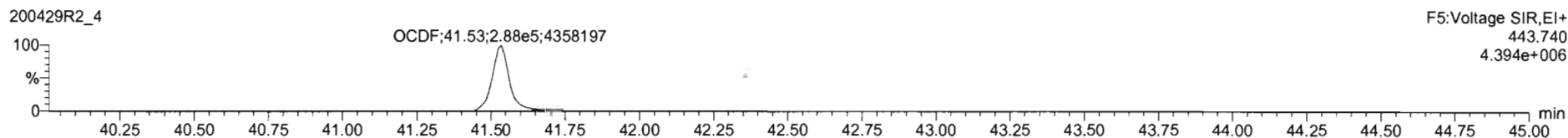
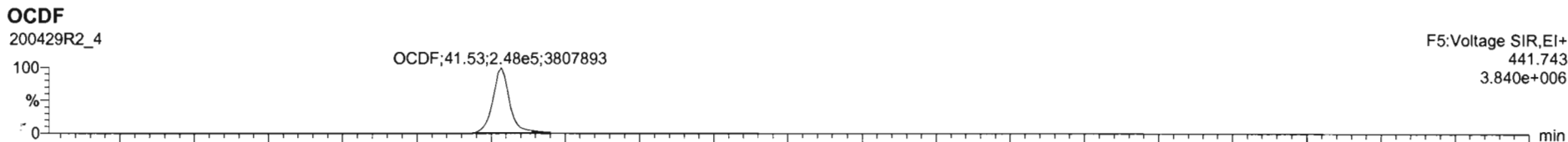
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200429R2_4 CAP NUM

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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

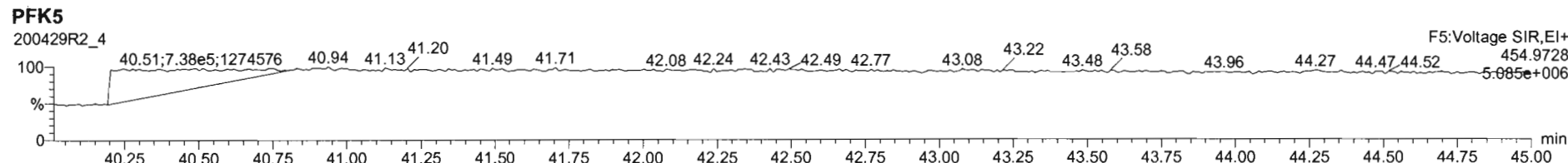
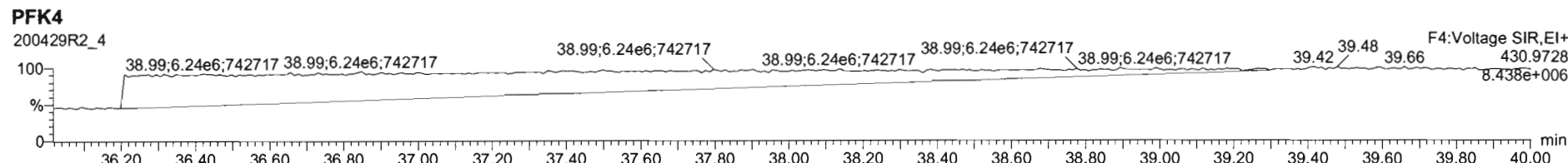
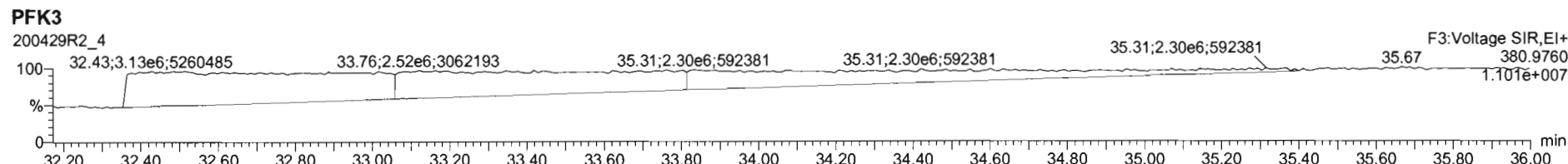
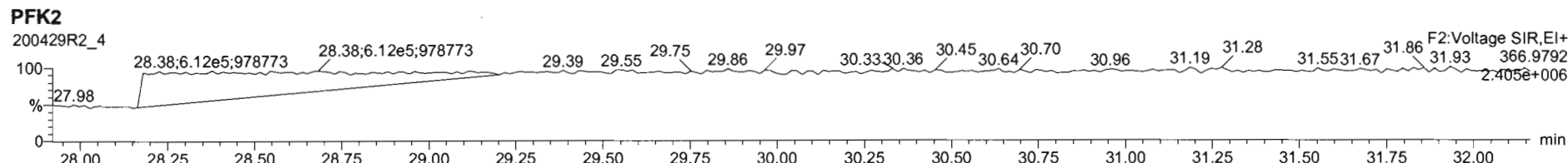
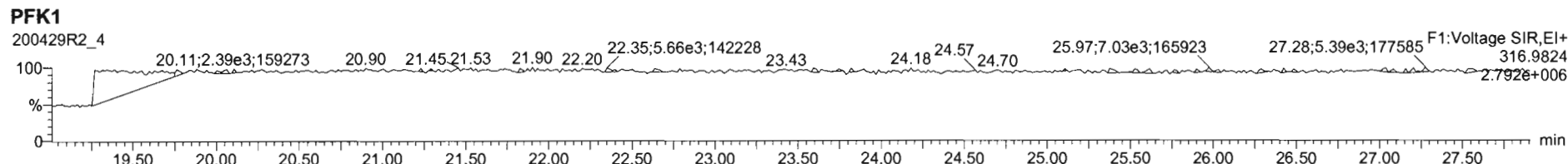
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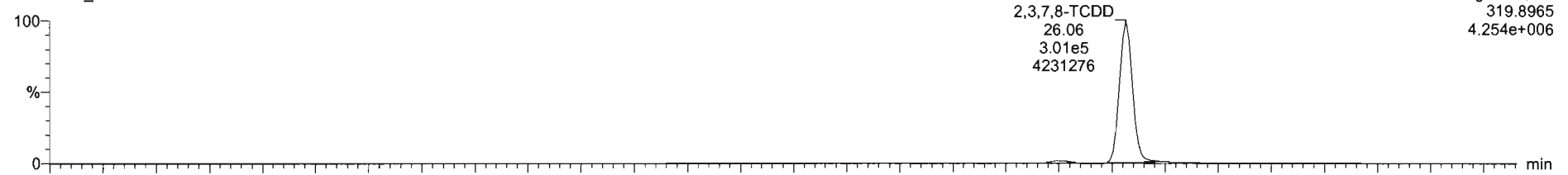
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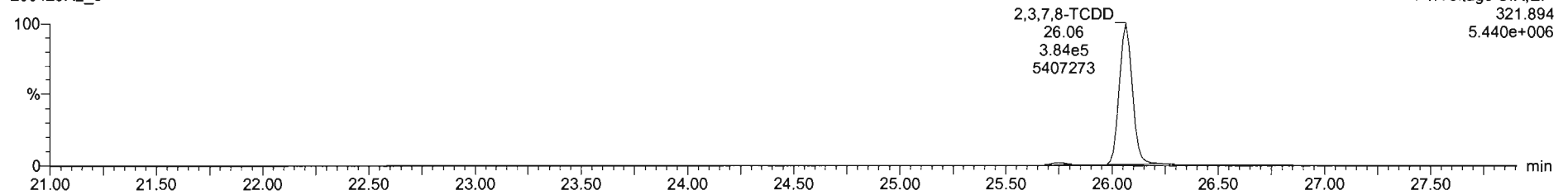
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2,3,7,8-TCDD

200429R2_5

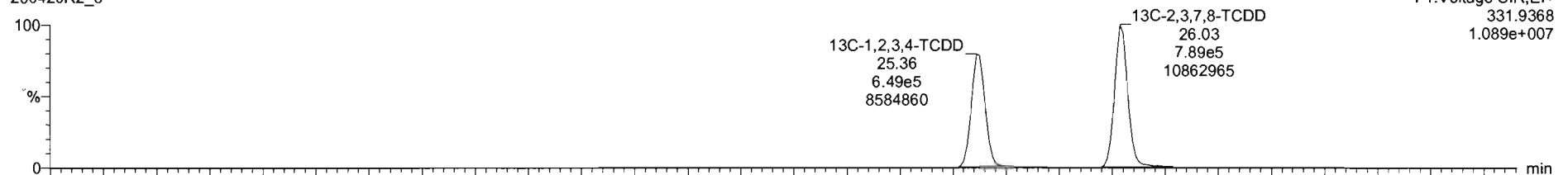


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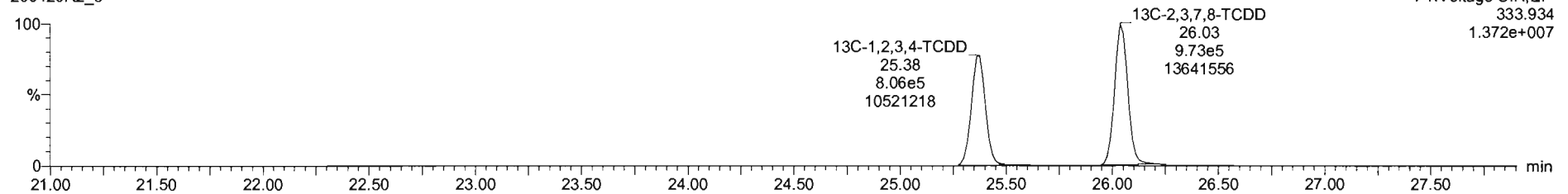


13C-2,3,7,8-TCDD

200429R2_5



200429R2_5



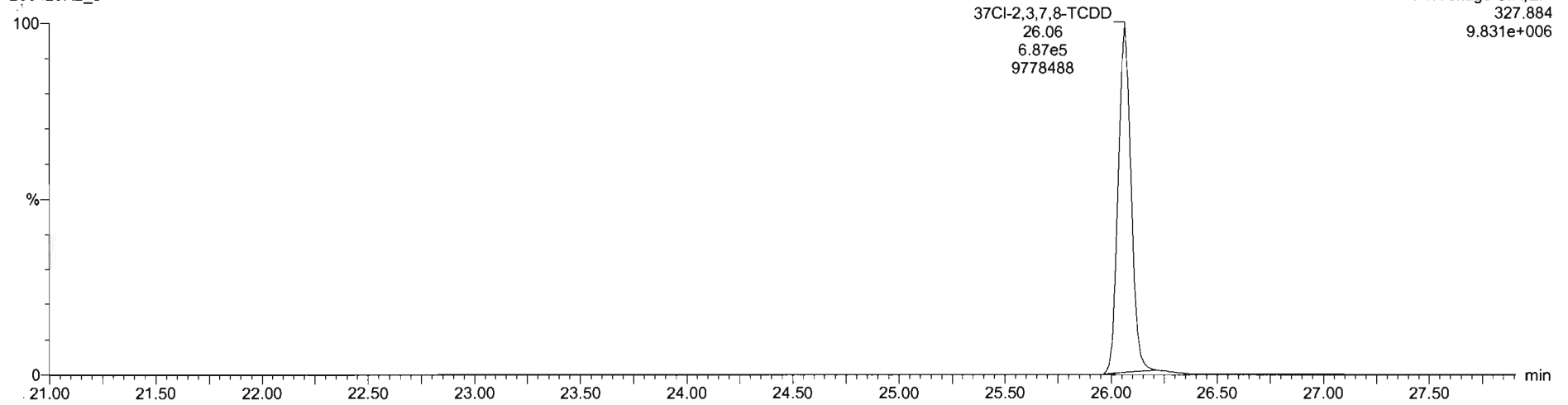
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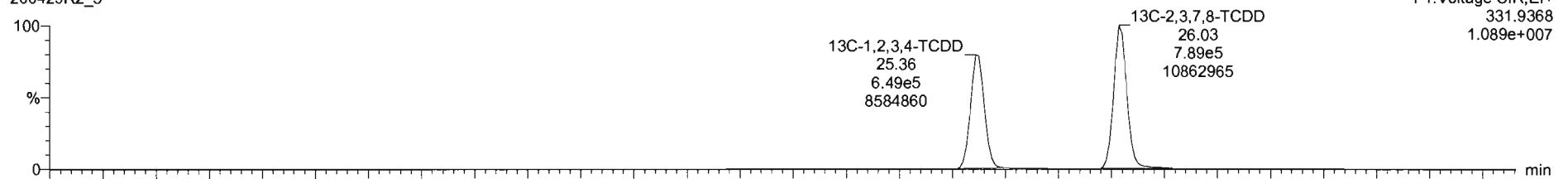
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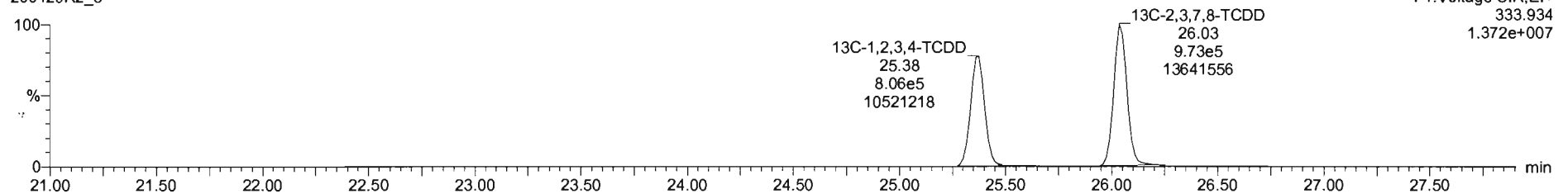


13C-1,2,3,4-TCDD

200429R2_5



200429R2_5



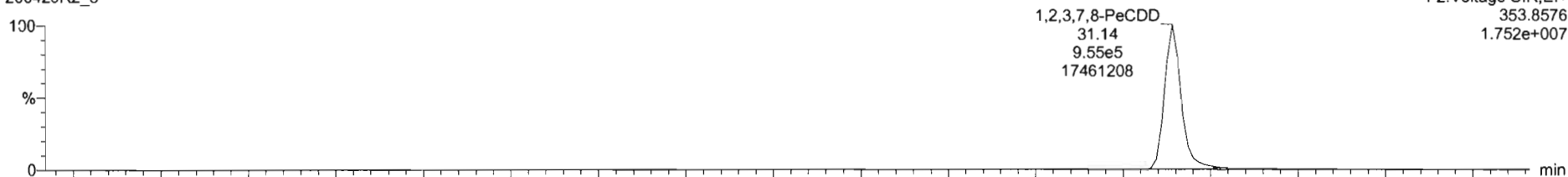
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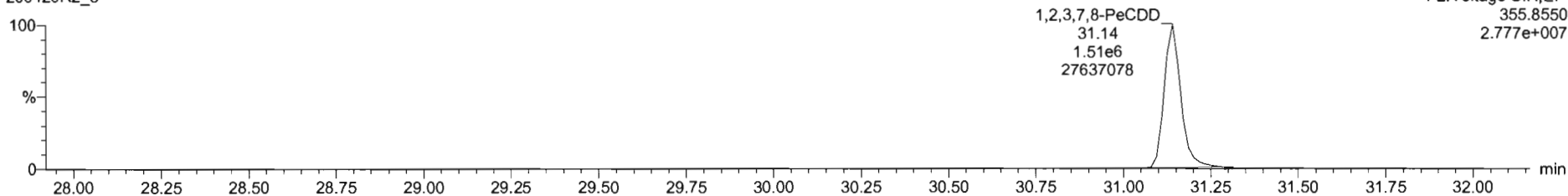
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1,2,3,7,8-PeCDD

200429R2_5

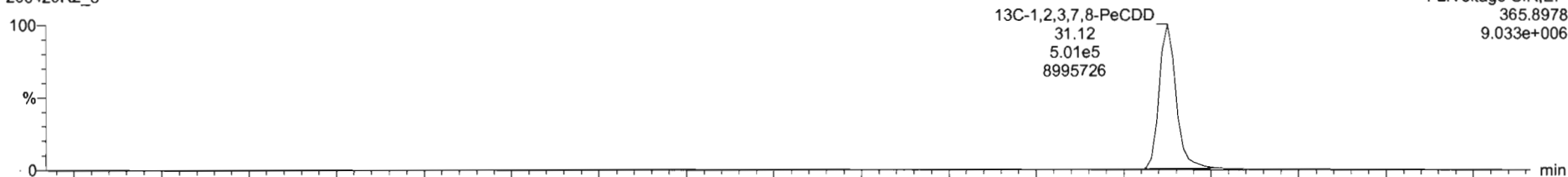


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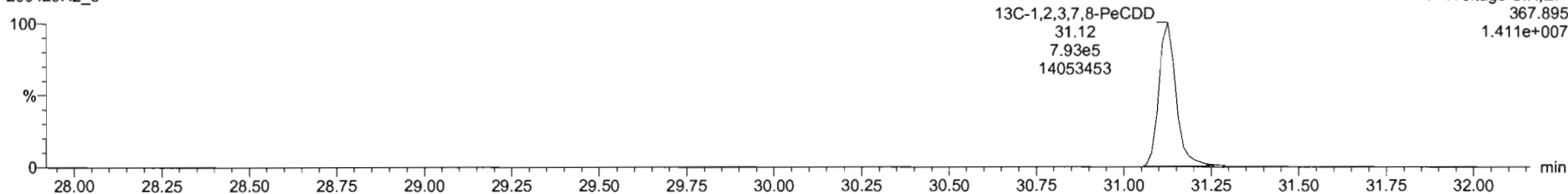


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200429R2_5



200429R2_5



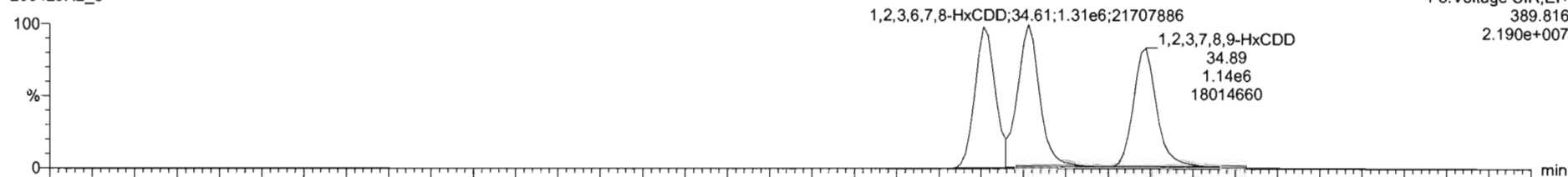
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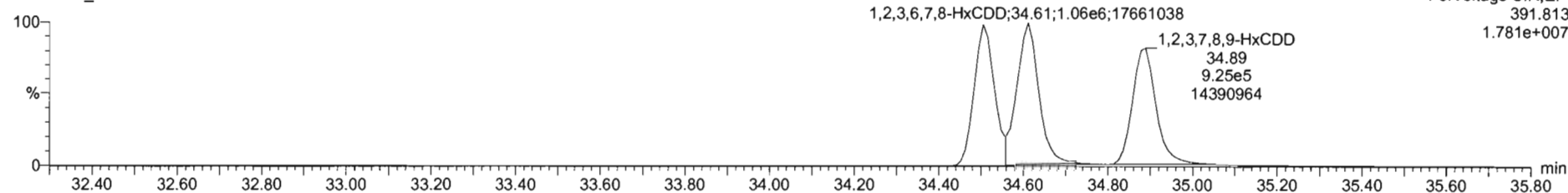
1,2,3,4,7,8-HxCDD

200429R2_5



F3:Voltage SIR,EI+
389.816
2.190e+007

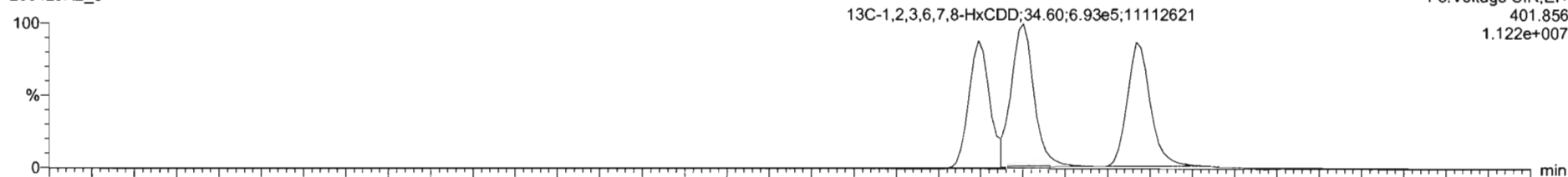
200429R2_5



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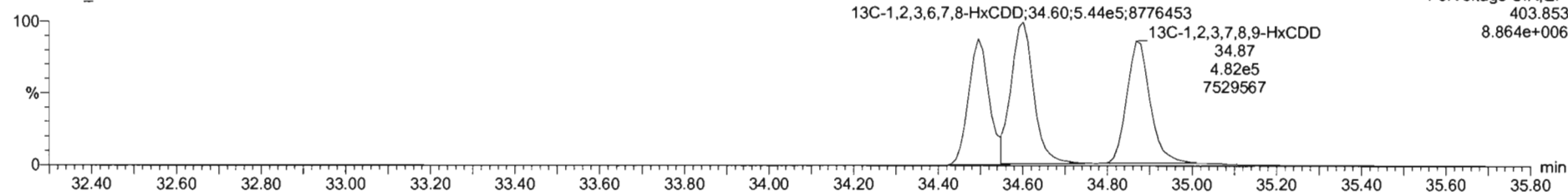
13C-1,2,3,4,7,8-HxCDD

200429R2_5



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1.122e+007

200429R2_5



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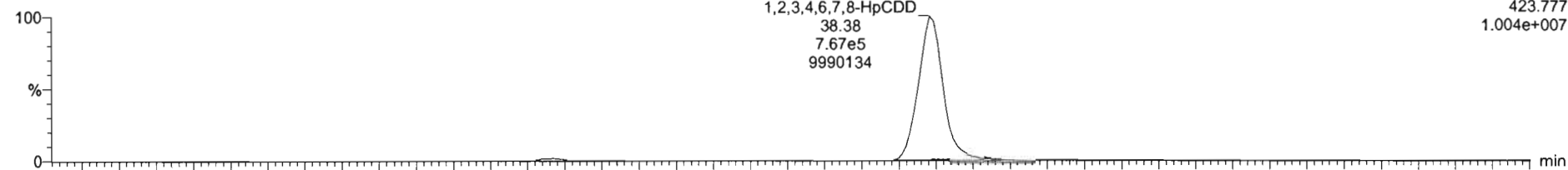
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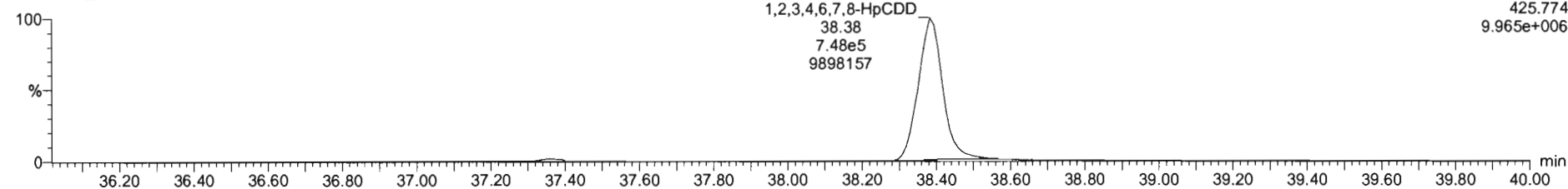
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1,2,3,4,6,7,8-HpCDD

200429R2_5

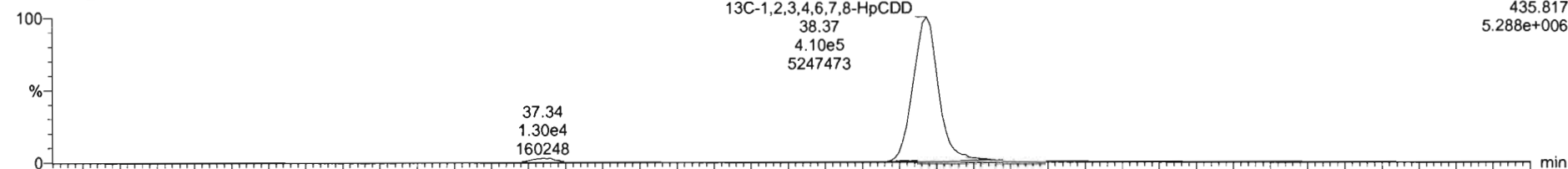


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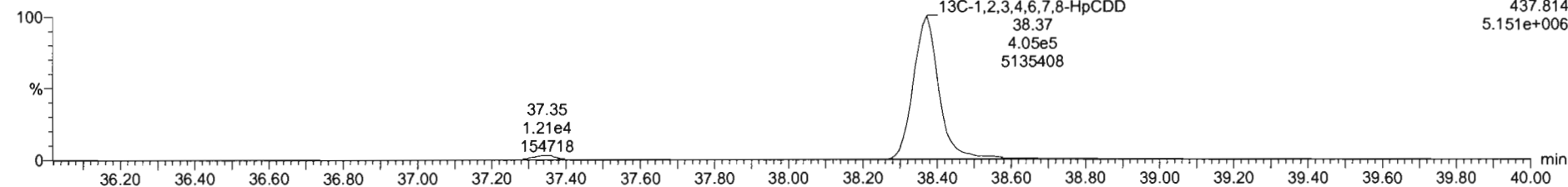


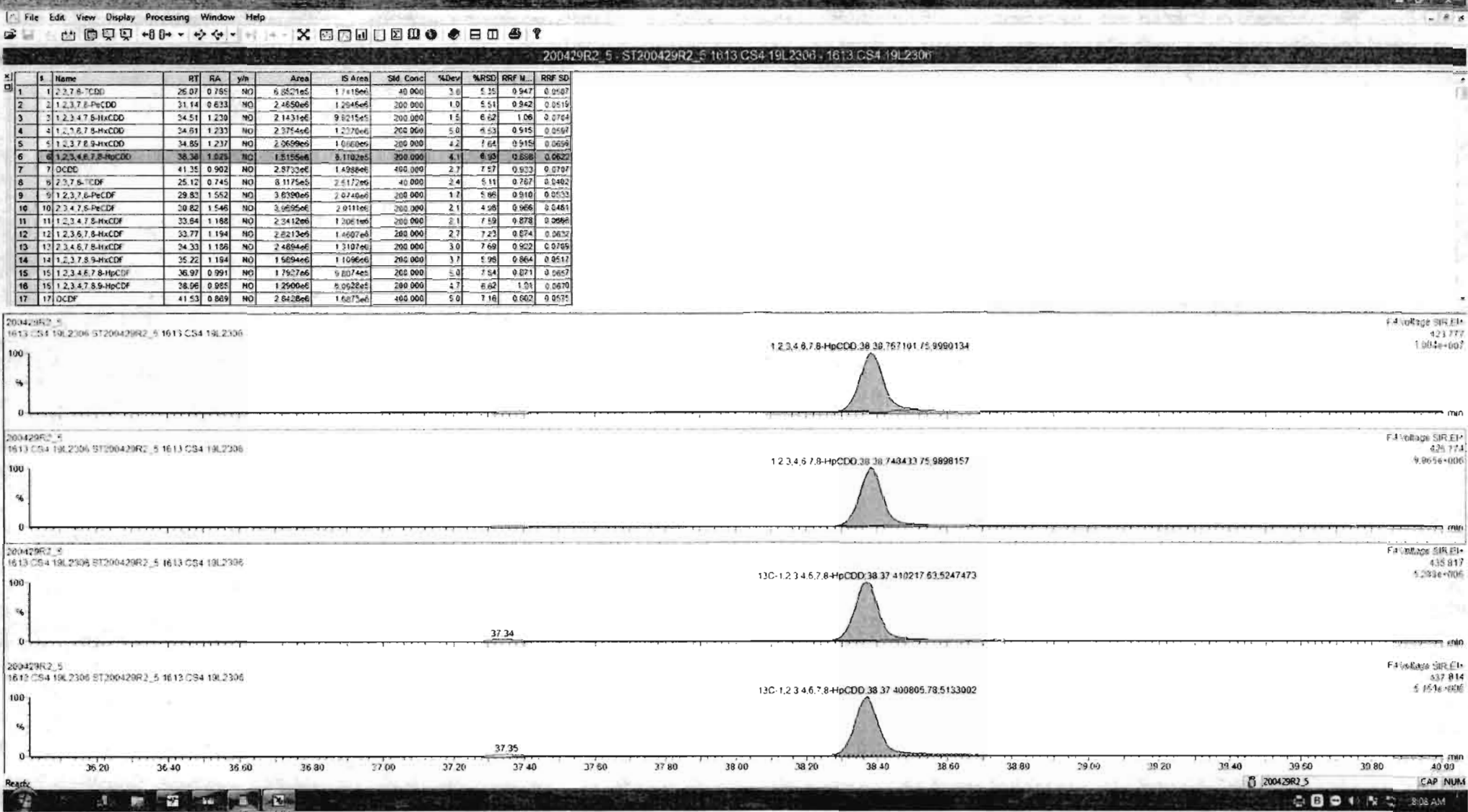
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200429R2_5



200429R2_5

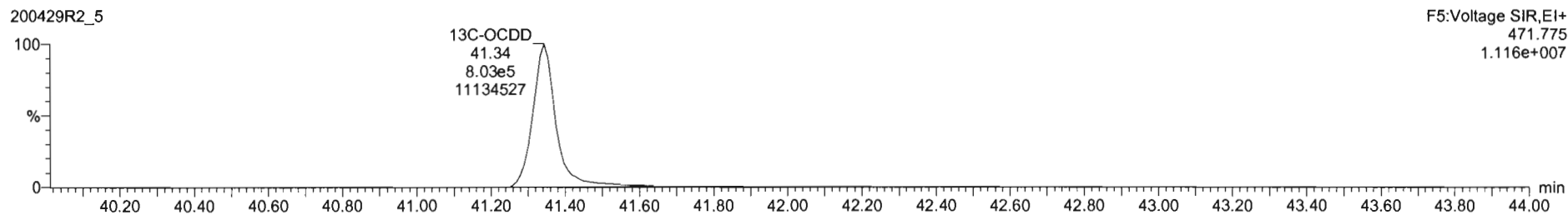
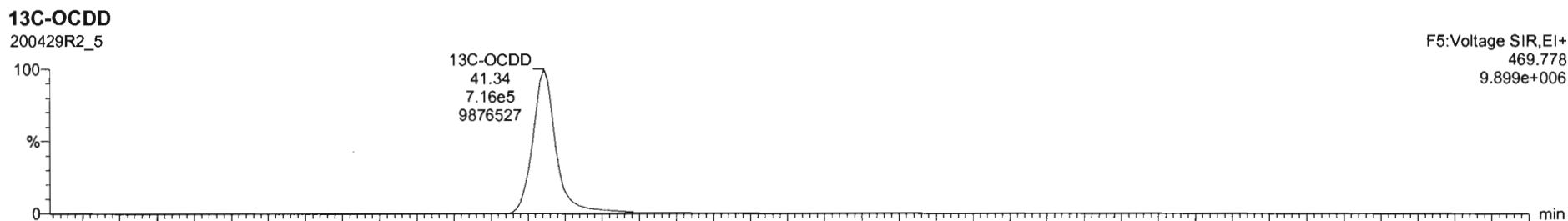
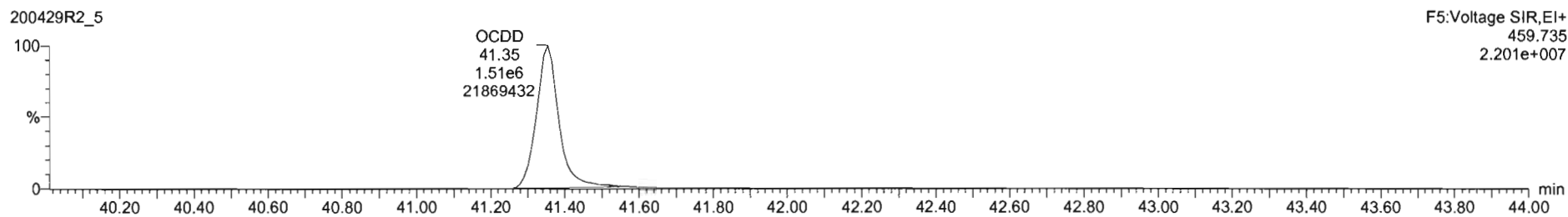
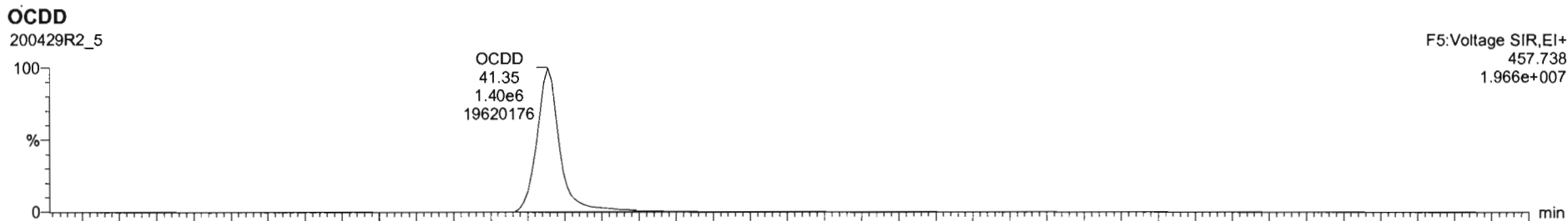




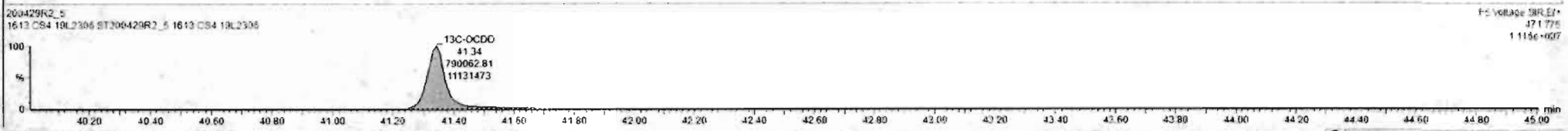
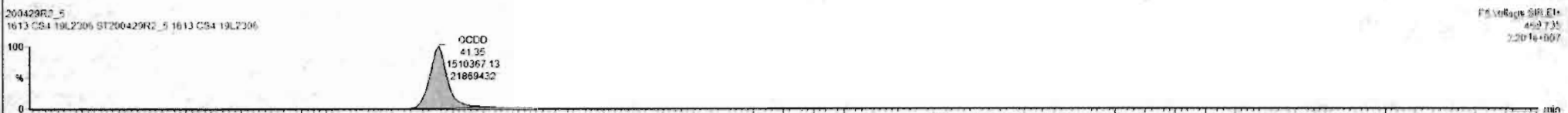
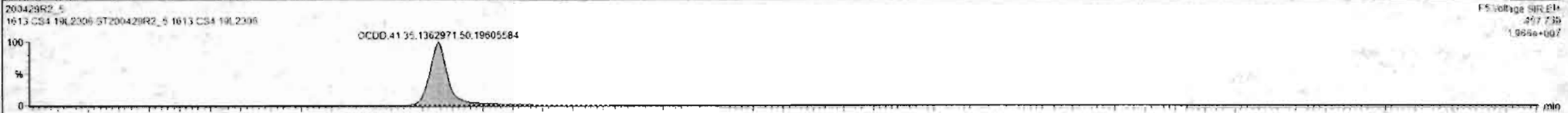
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Name: 200429R2_5, Date: 29-Apr-2020, Time: 16:35:58, ID: ST200429R2_5 1613 CS4 19L2306, Description: 1613 CS4 19L2306



#	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	34.85	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	5.1103e5	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	0.865	NO	1.2500e5	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



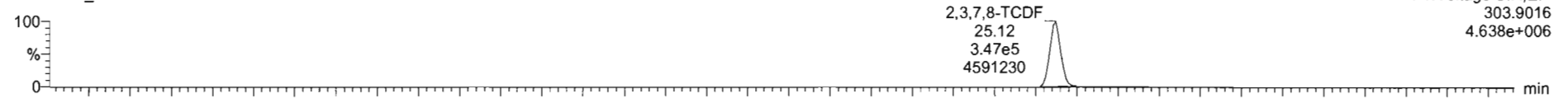
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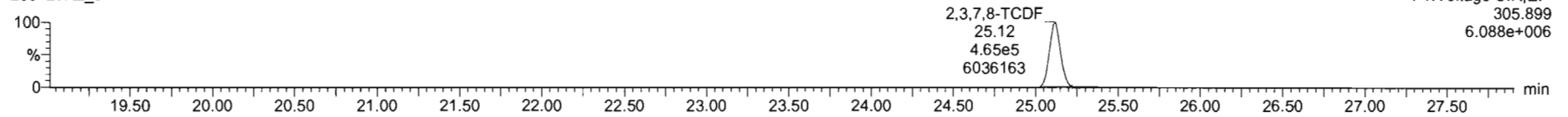
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2,3,7,8-TCDF

200429R2_5

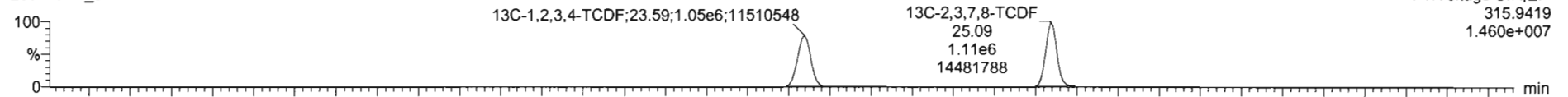


200429R2_5

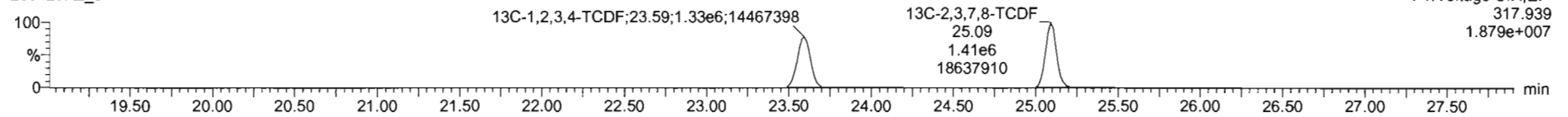


13C-2,3,7,8-TCDF

200429R2_5

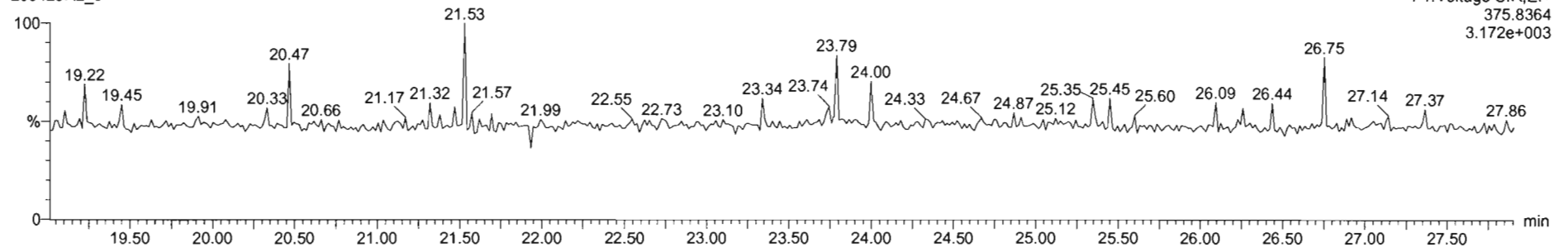


200429R2_5



DPE1

200429R2_5



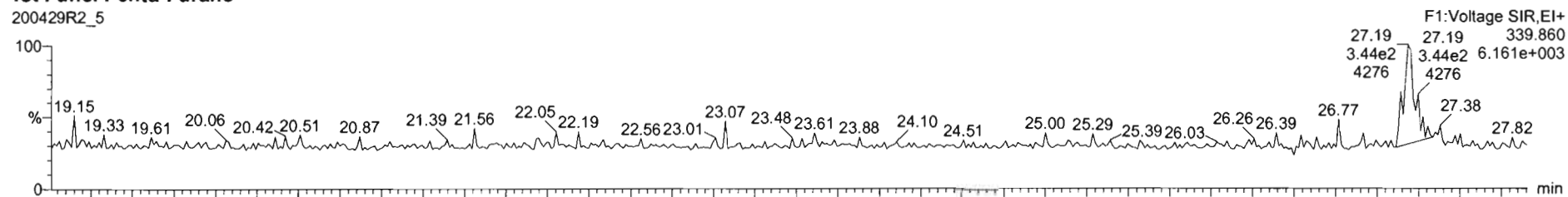
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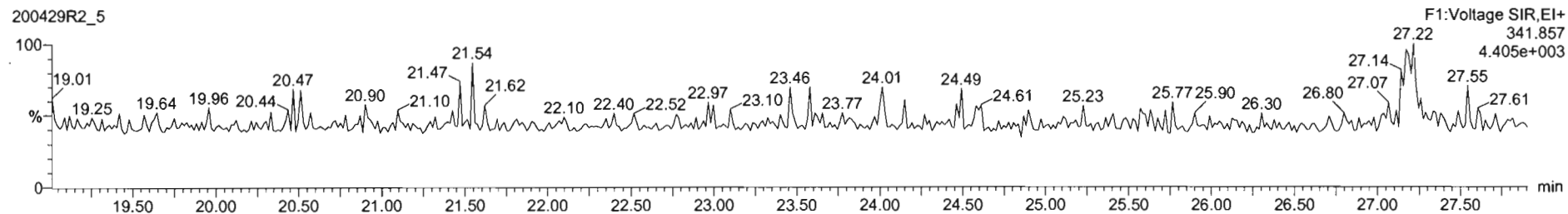
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1st Func. Penta-Furans

200429R2_5

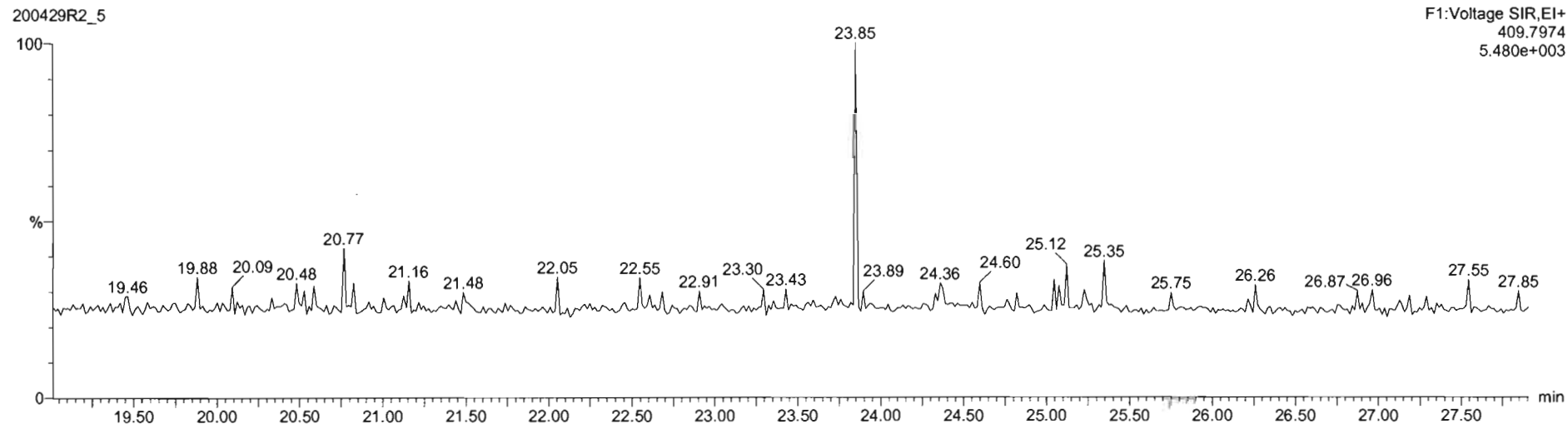


200429R2_5



DPE6

200429R2_5



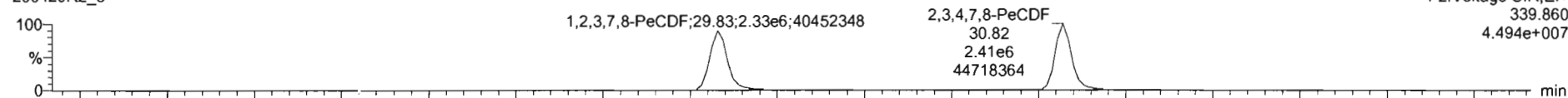
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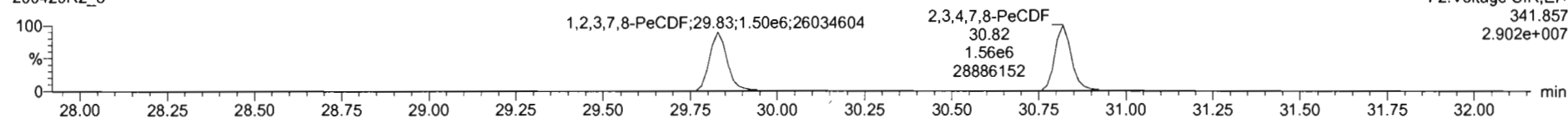
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1,2,3,7,8-PeCDF

200429R2_5

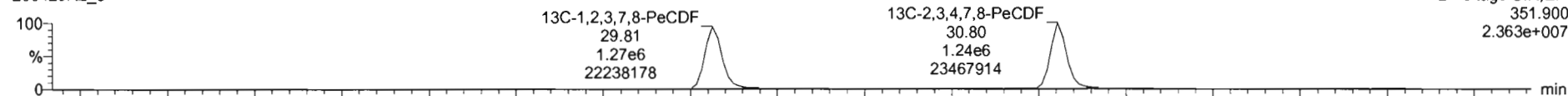


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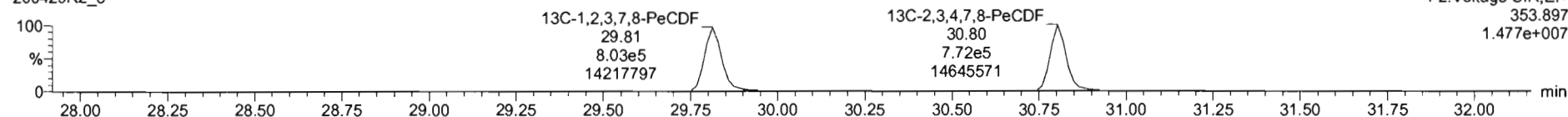


13C-1,2,3,7,8-PeCDF

200429R2_5

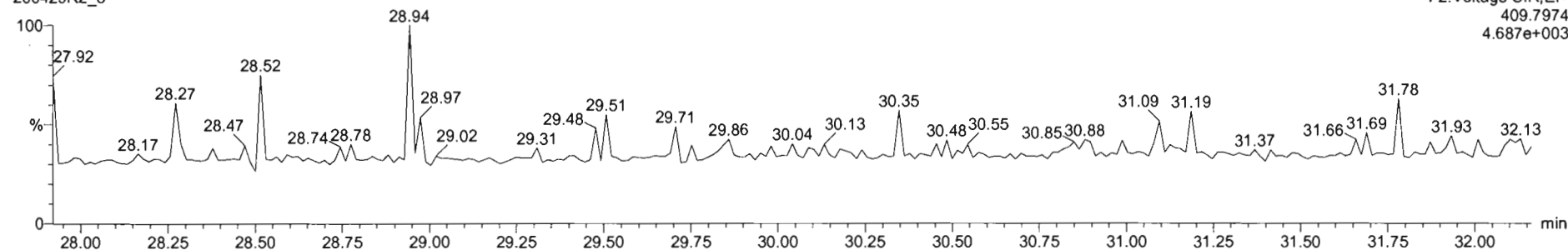


200429R2_5



DPE2

200429R2_5



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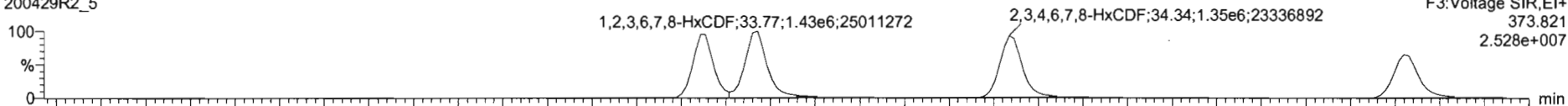
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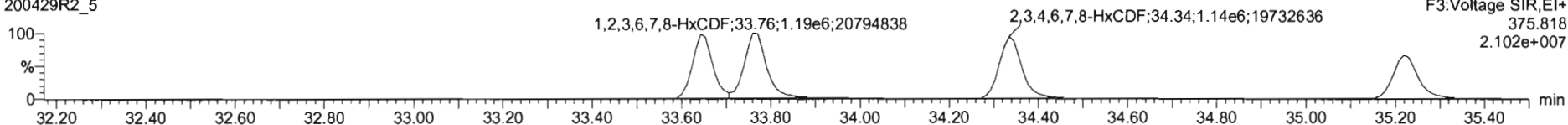
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1,2,3,4,7,8-HxCDF

200429R2_5

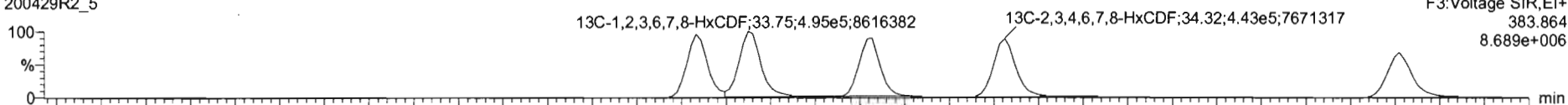


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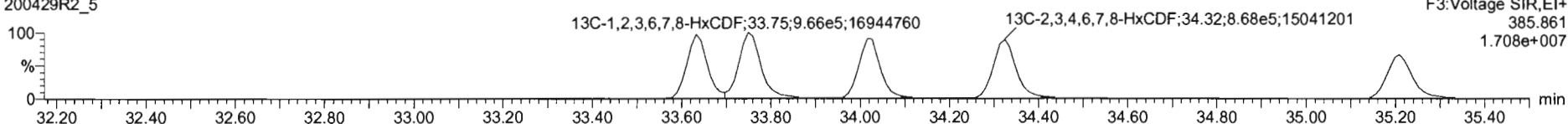


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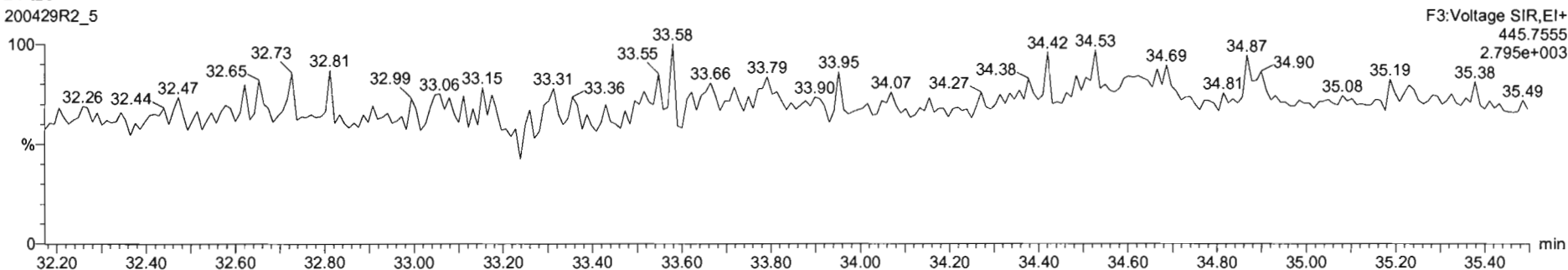


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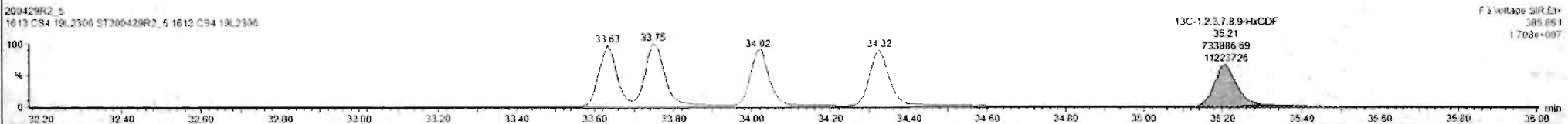
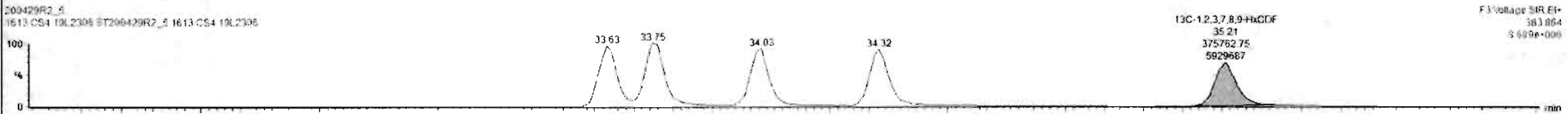
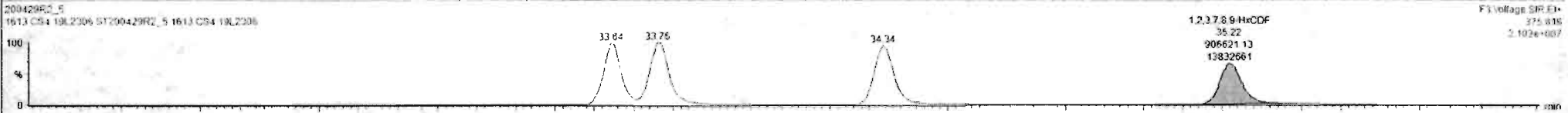
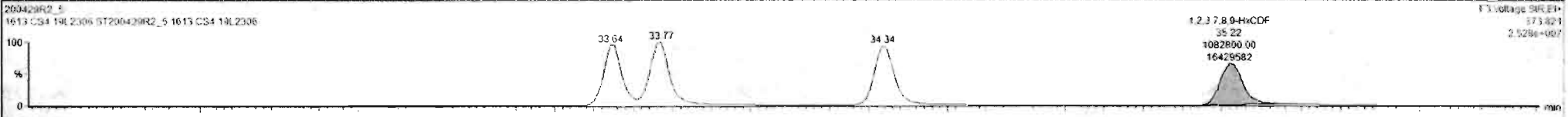


DPE3

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	1.2370e6	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	4.9094e6	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	5.6628e5	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



Custom Reporting: Select reports to generate

200429R2_5 CAP NUM

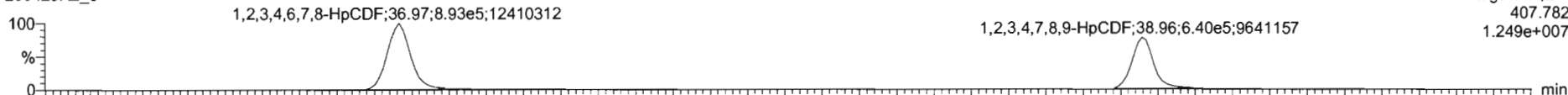
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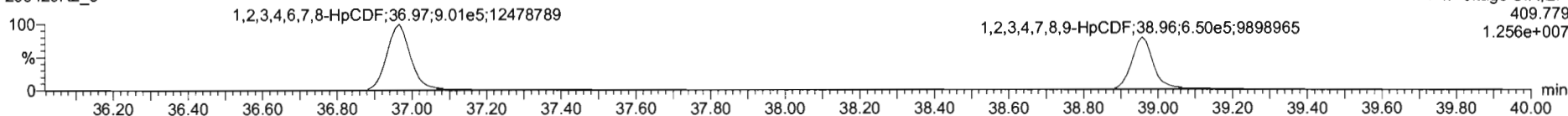
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200429R2_5

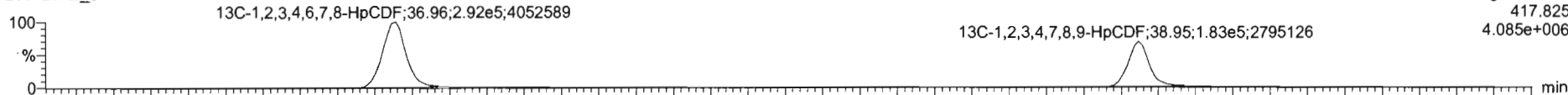


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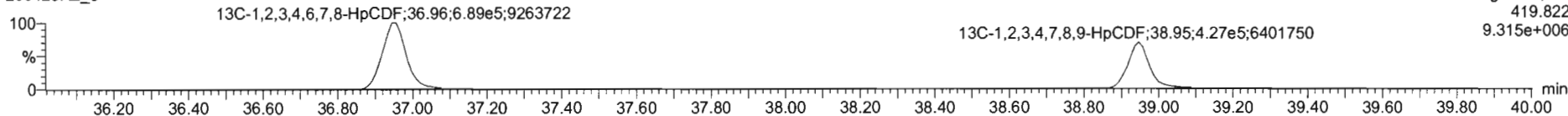


13C-1,2,3,4,6,7,8-HpCDF

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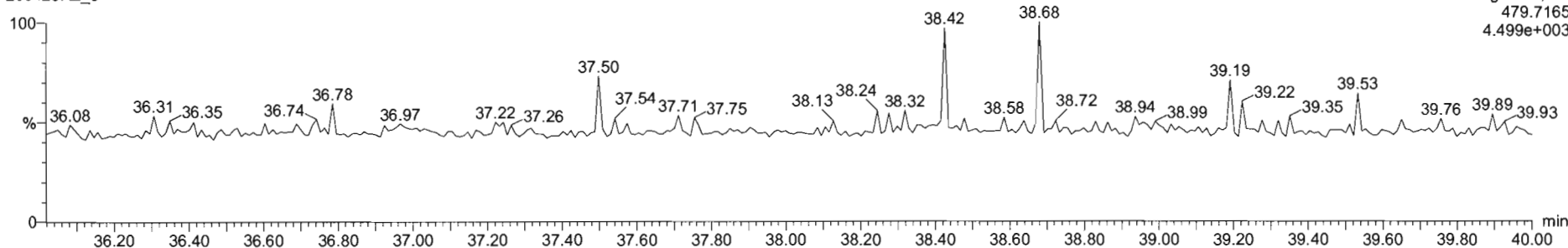


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DPE4

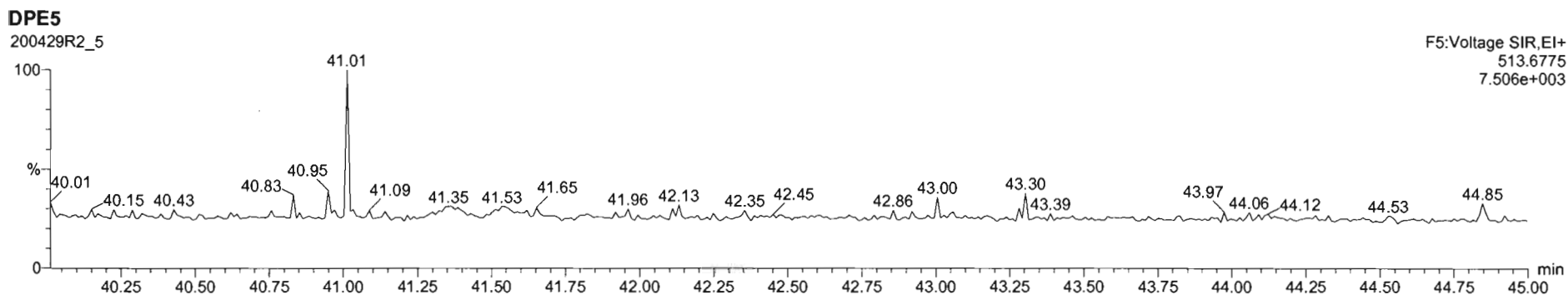
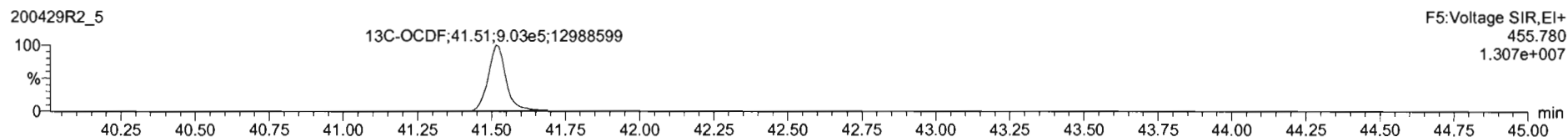
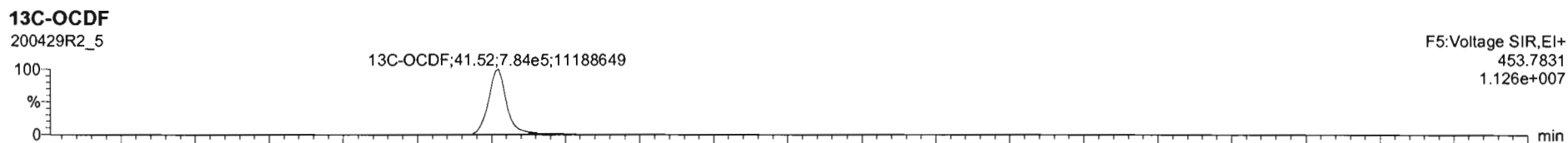
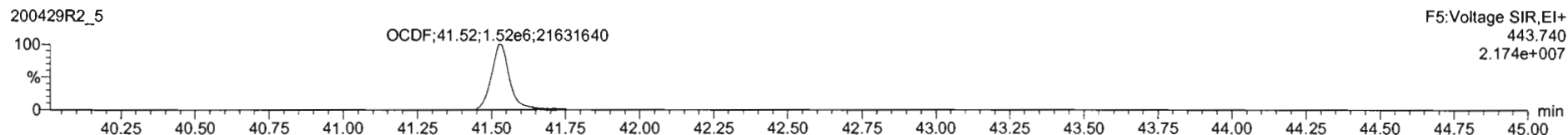
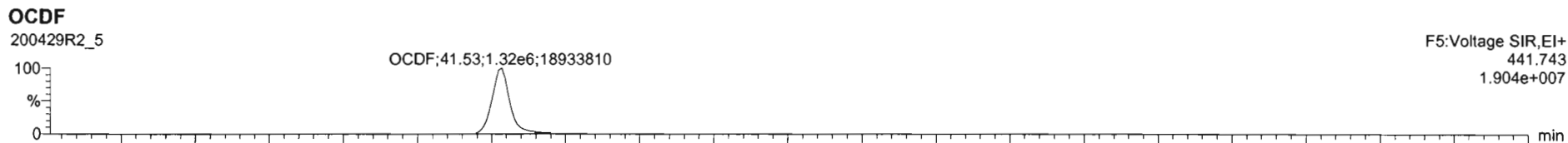
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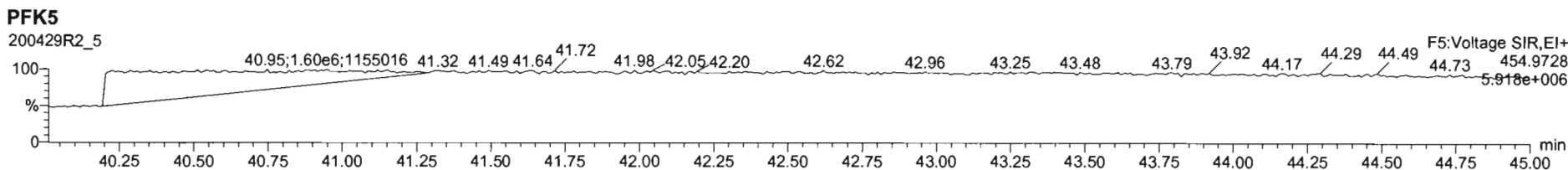
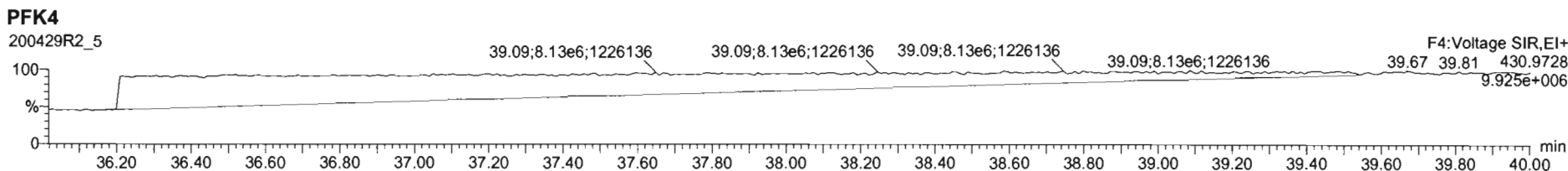
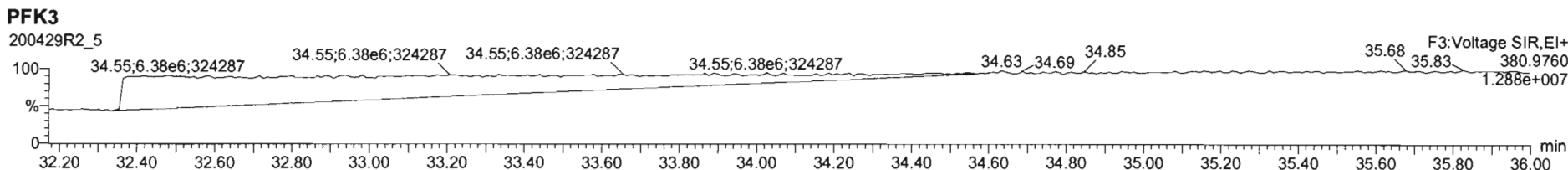
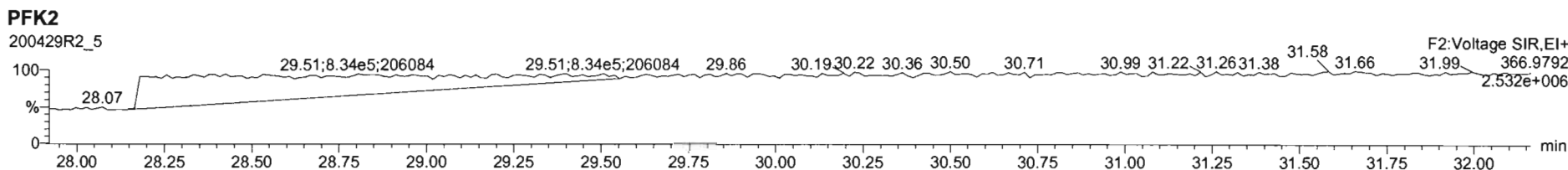
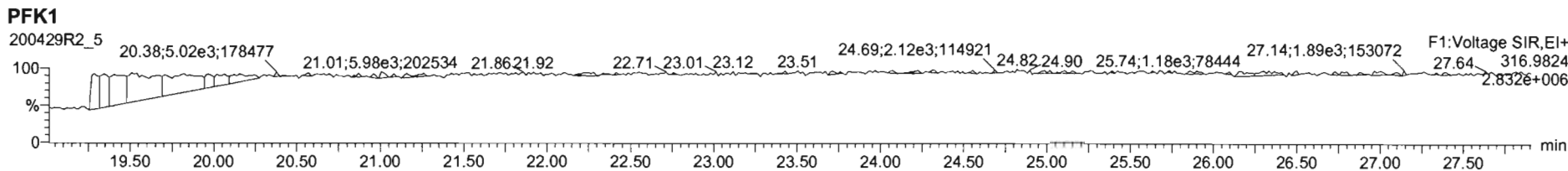


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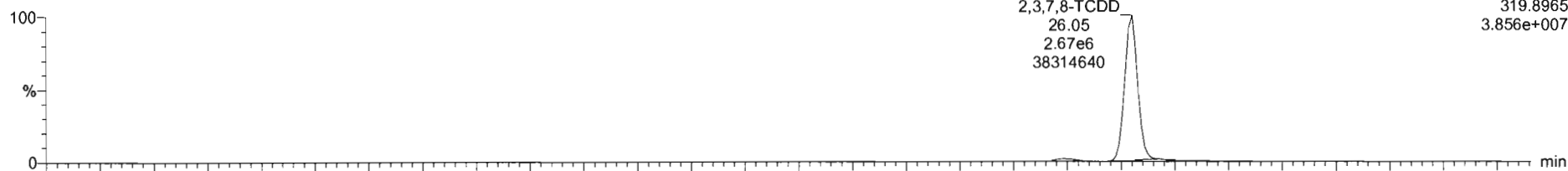
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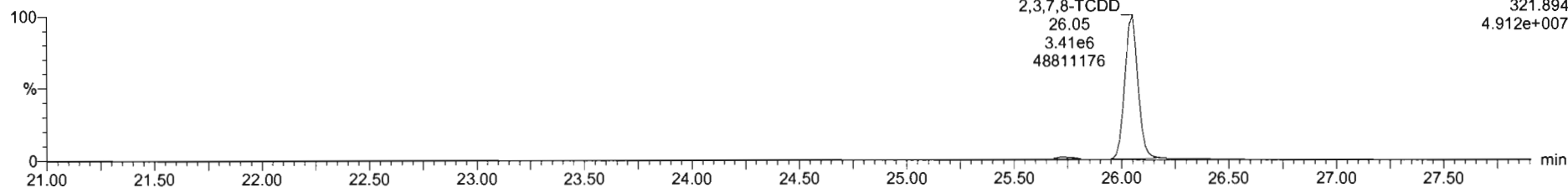
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2,3,7,8-TCDD

200429R2_6

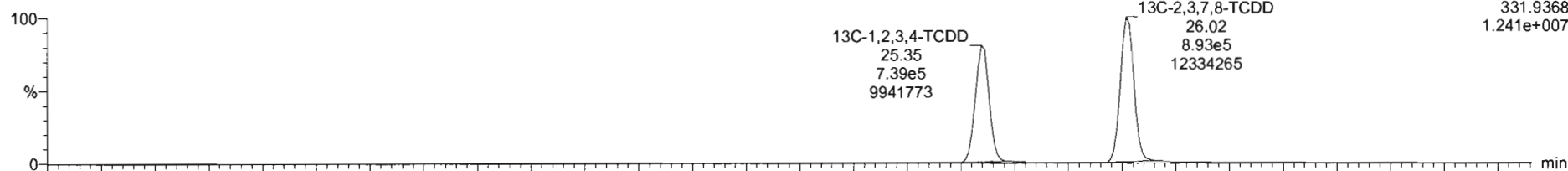


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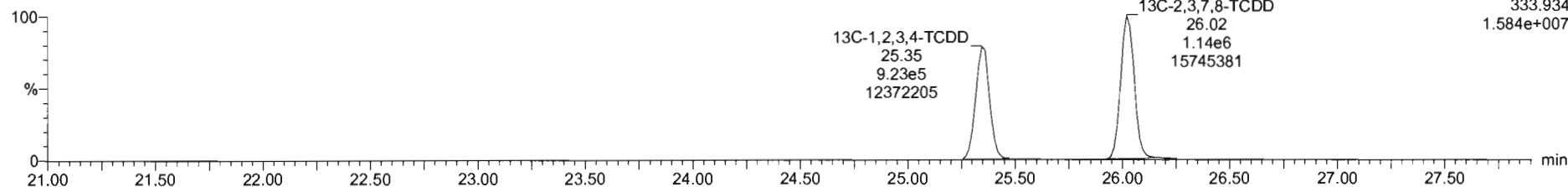


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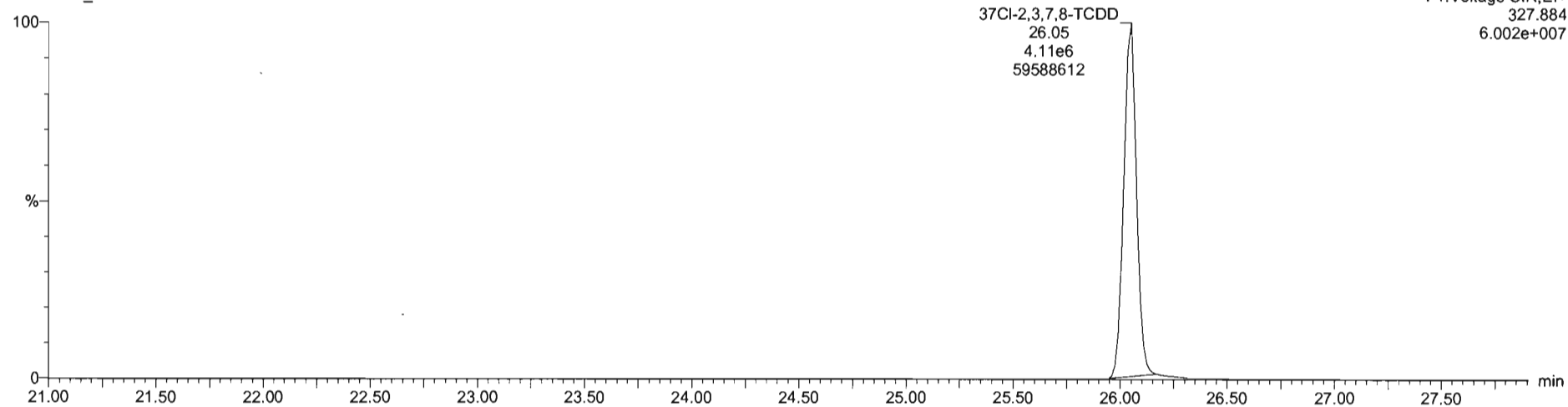
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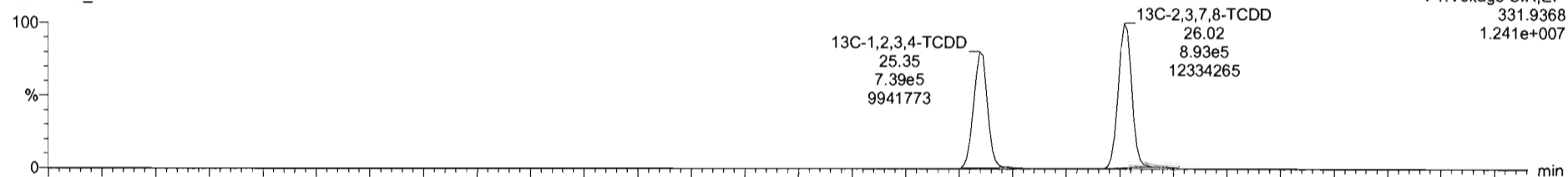
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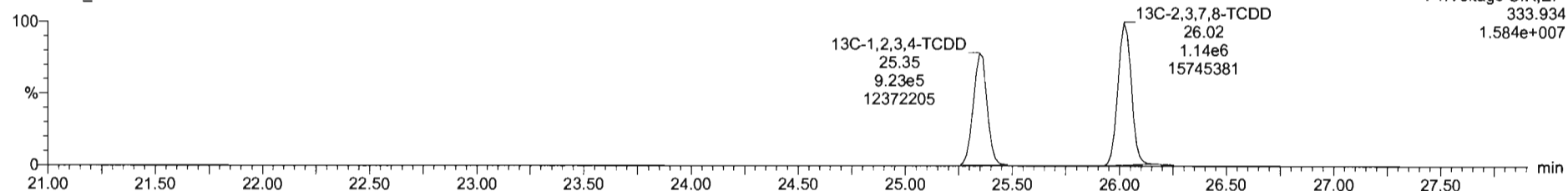


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200429R2_6



200429R2_6



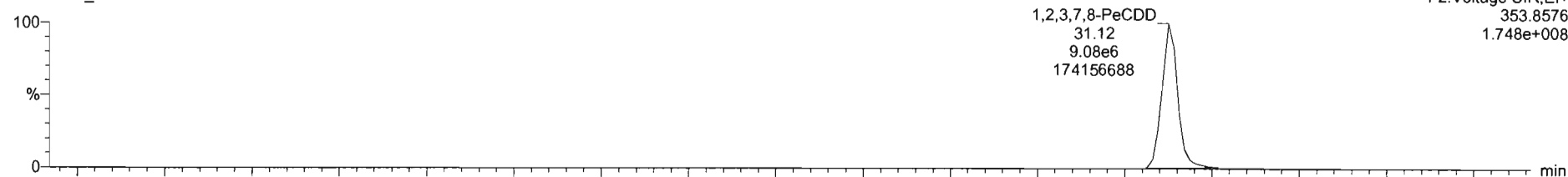
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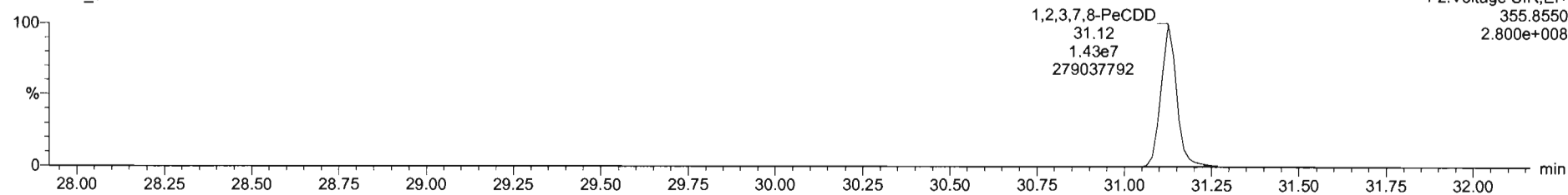
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1,2,3,7,8-PeCDD

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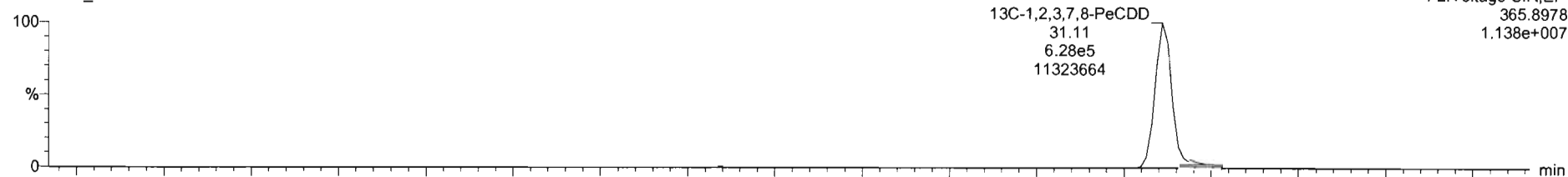


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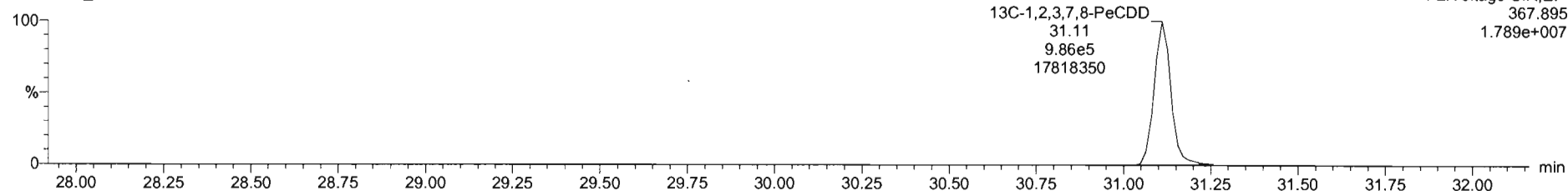


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200429R2_6



200429R2_6



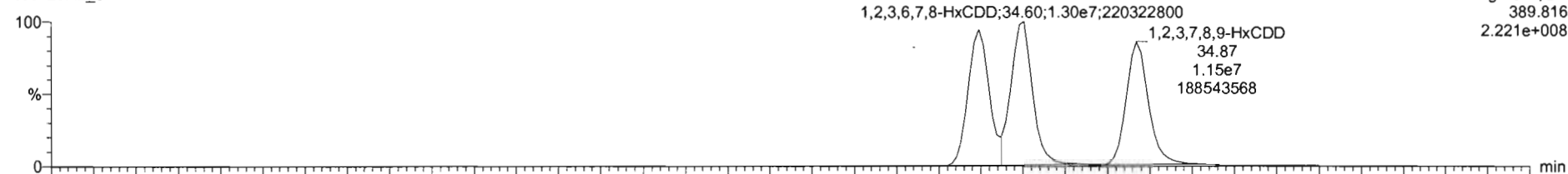
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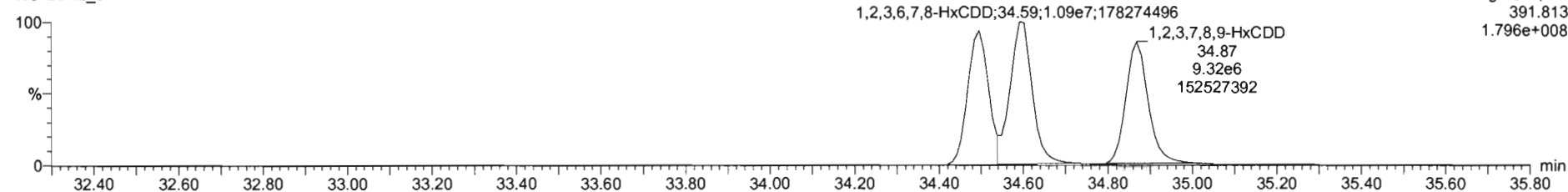
1,2,3,4,7,8-HxCDD

200429R2_6



F3:Voltage SIR,EI+
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2.221e+008

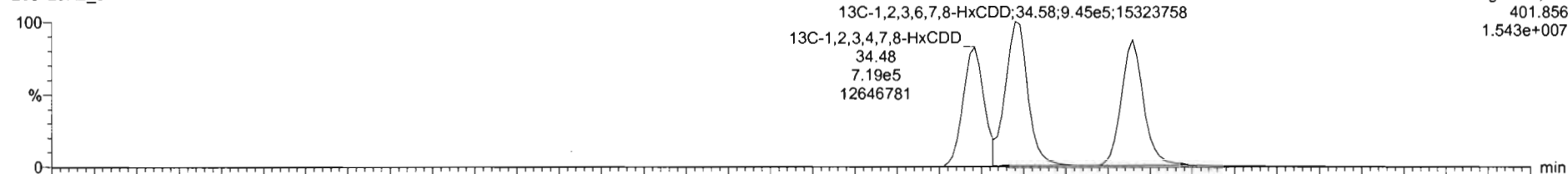
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F3:Voltage SIR,EI+
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1.796e+008

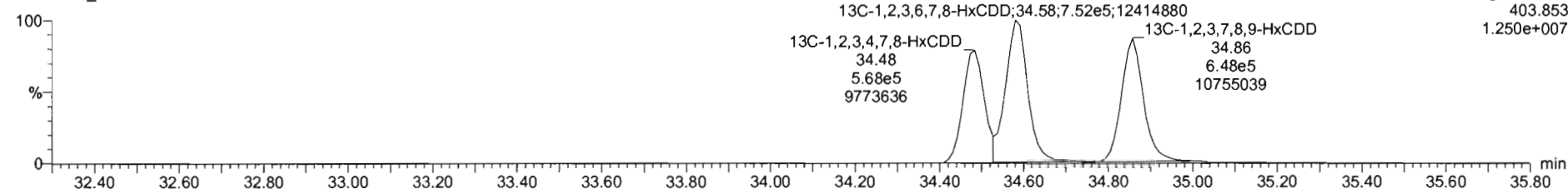
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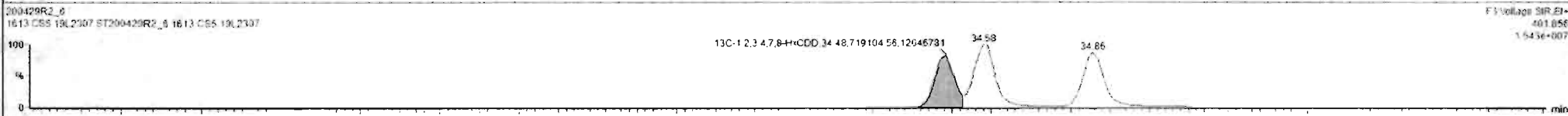
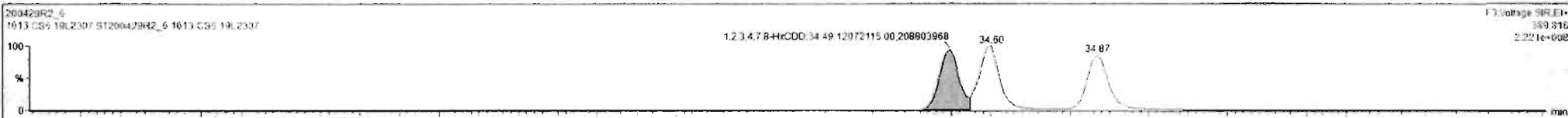
F3:Voltage SIR,EI+
401.856
1.543e+007

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	4.96	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

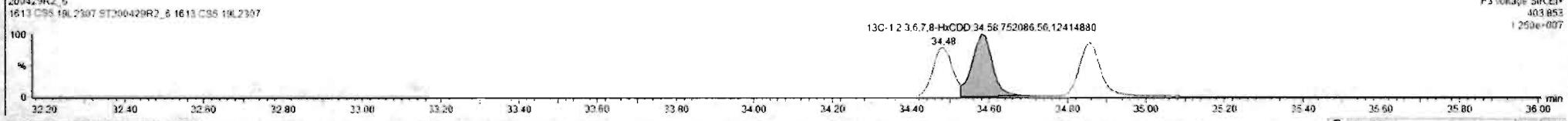
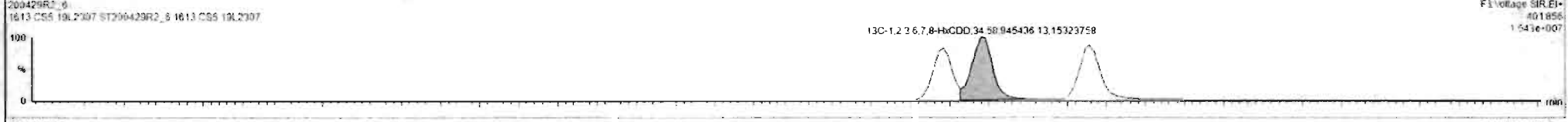
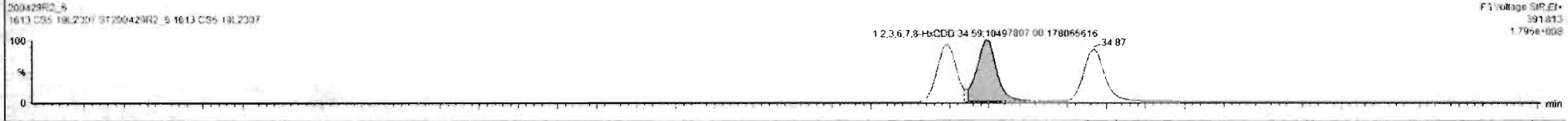


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200429R2_8 ST200429R2_1 13 CS5 19L2307 - 1613 CS5 19L2307

#	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	2.3489e7	1.6075e6	1500.000	0.8	6.53	0.915	0.9592
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	0.9690
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	0.9622
7	OCDD	41.34	0.887	NO	3.3271e7	2.3135e6	3000.000	4.8	7.57	0.933	0.9707
8	1,2,7,8-TCDF	25.05	0.753	NO	7.1948e6	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	0.9533
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	0.9481
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	0.9666
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	0.9632
13	1,2,3,6,7,8-HxCDF	34.33	1.190	NO	2.4775e7	1.7418e6	1500.000	2.9	7.69	0.932	0.9709
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	0.9517
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	0.9657
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	0.9575



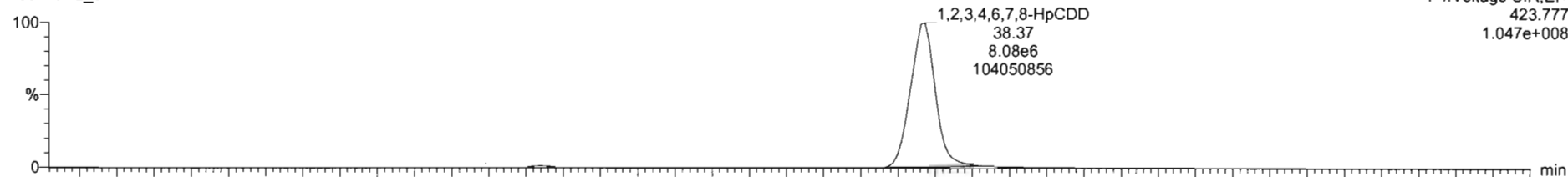
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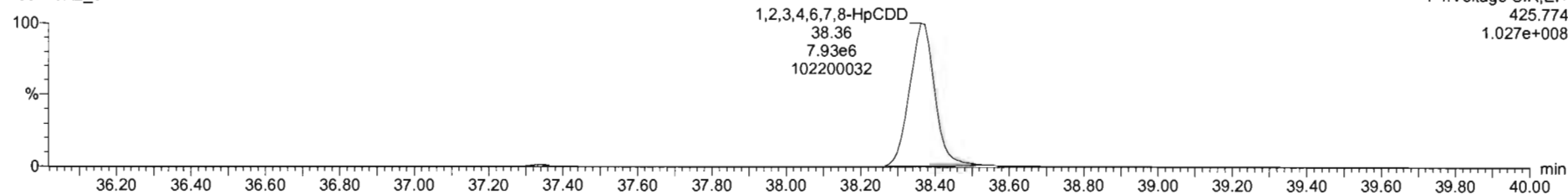
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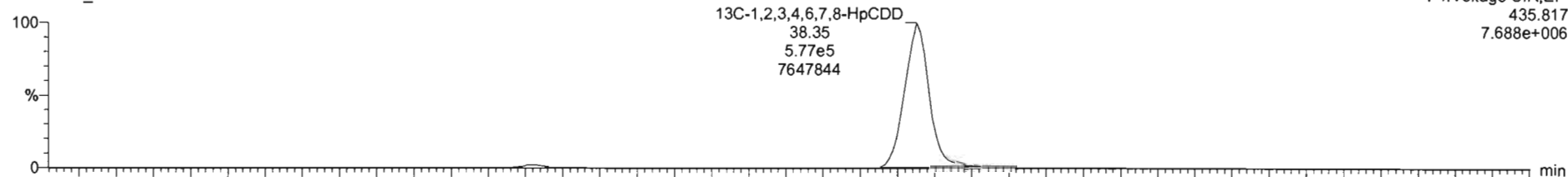


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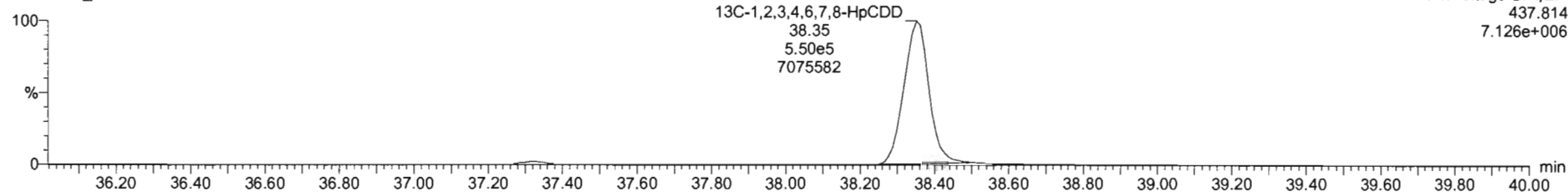


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200429R2_6



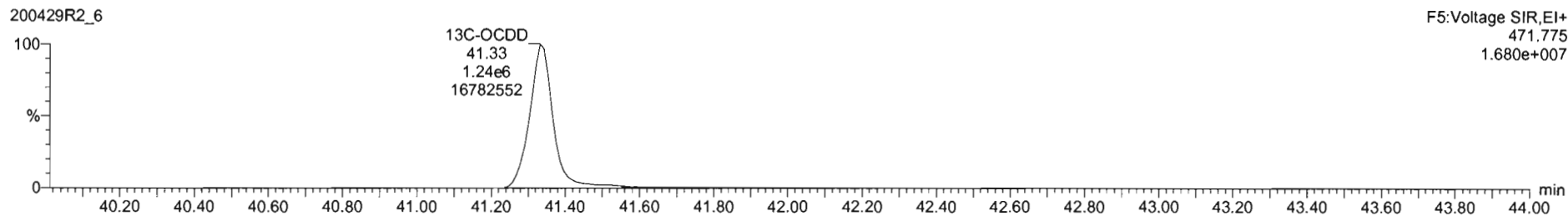
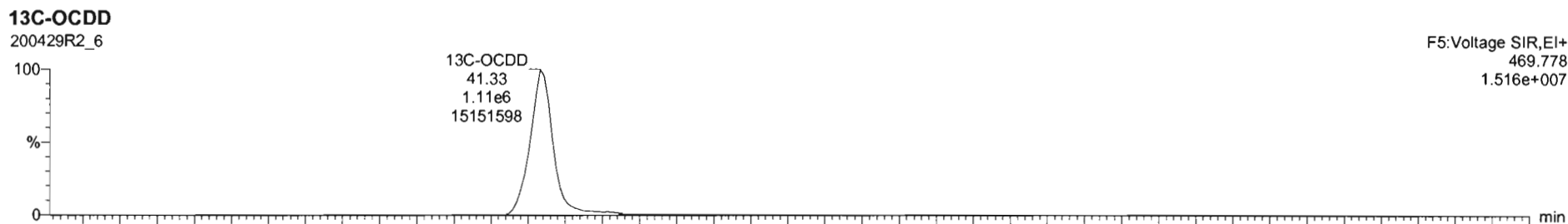
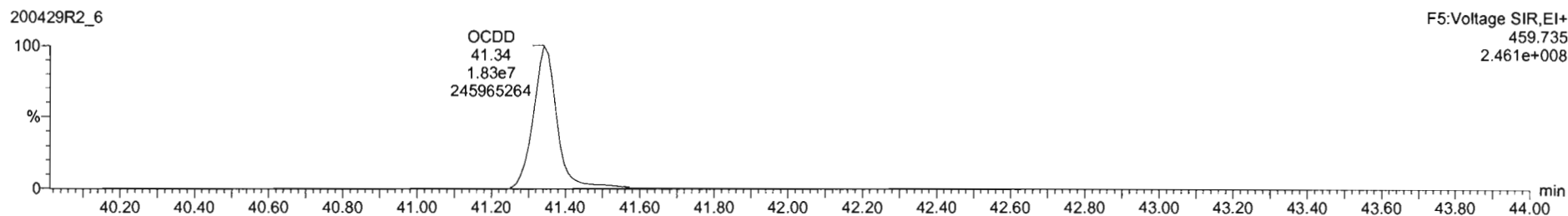
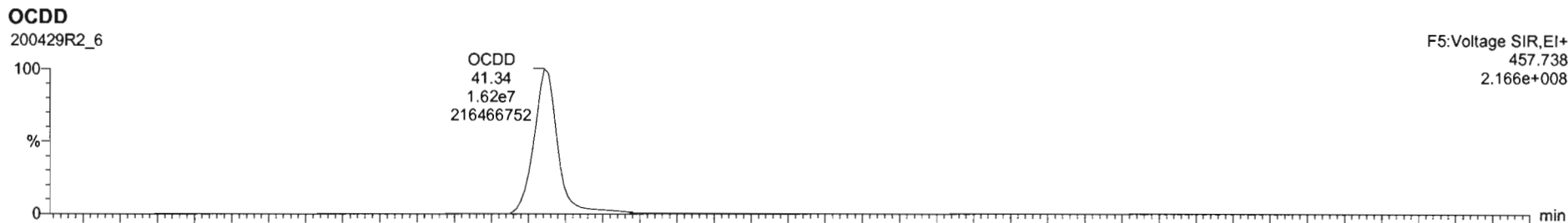
200429R2_6



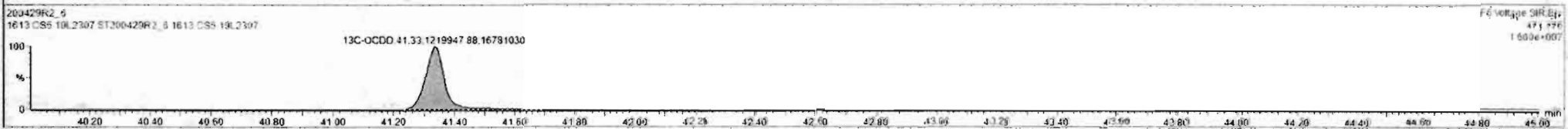
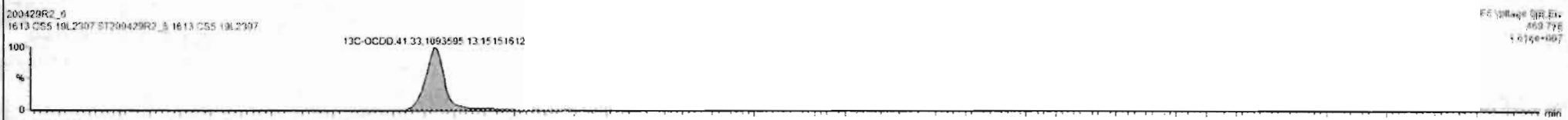
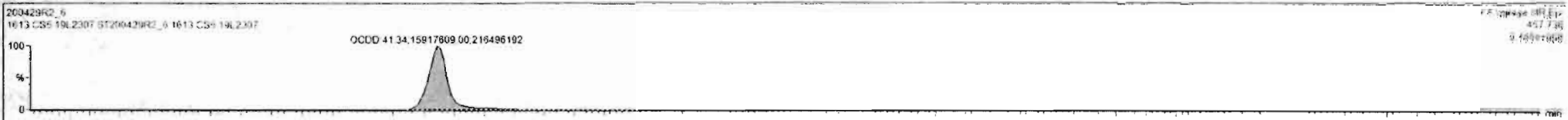
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Name: 200429R2_6, Date: 29-Apr-2020, Time: 17:23:21, ID: ST200429R2_6 1613 CS5 19L2307, Description: 1613 CS5 19L2307



#	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	0,2,2,7,8-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	38.54	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



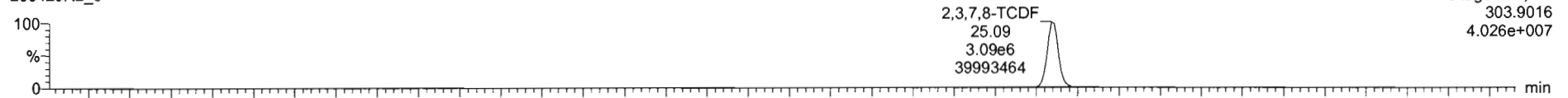
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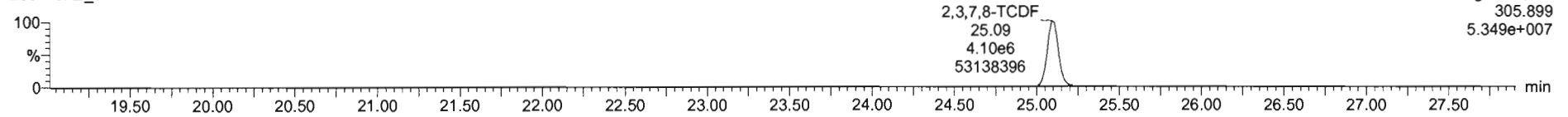
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2,3,7,8-TCDF

200429R2_6

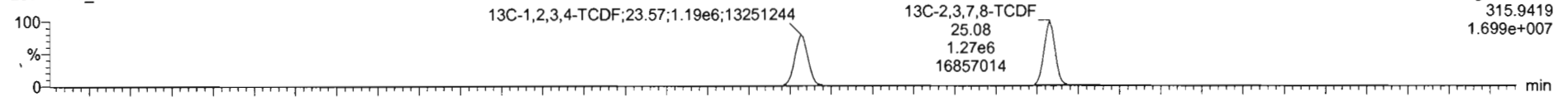


200429R2_6

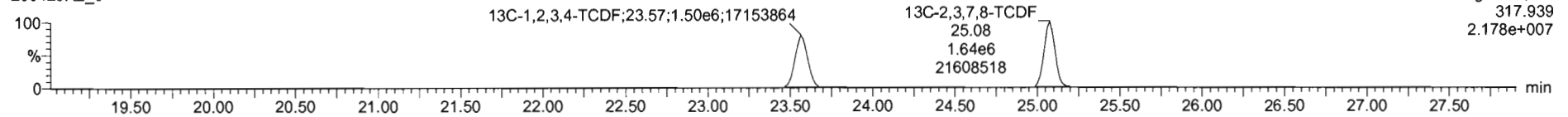


13C-2,3,7,8-TCDF

200429R2_6

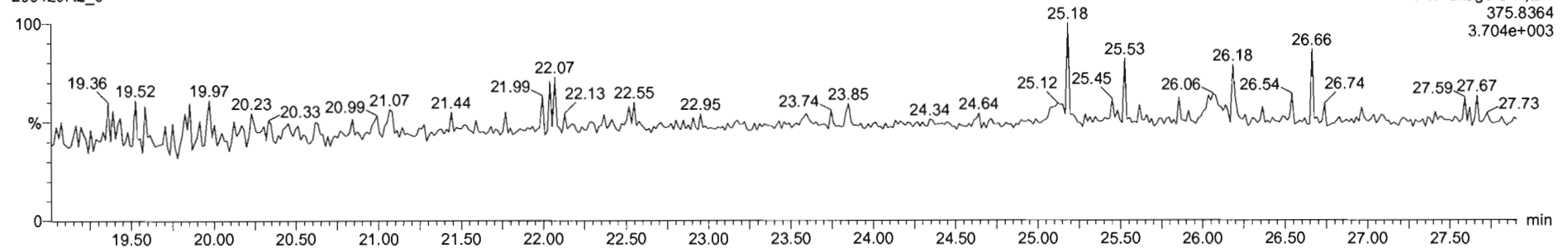


200429R2_6



DPE1

200429R2_6



Dataset: Untitled

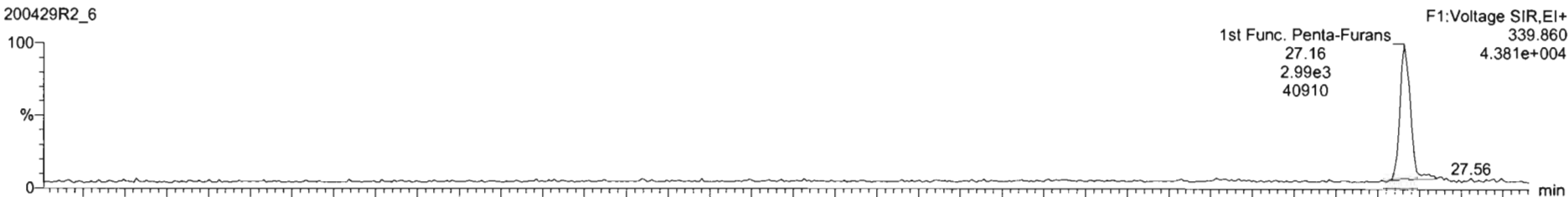
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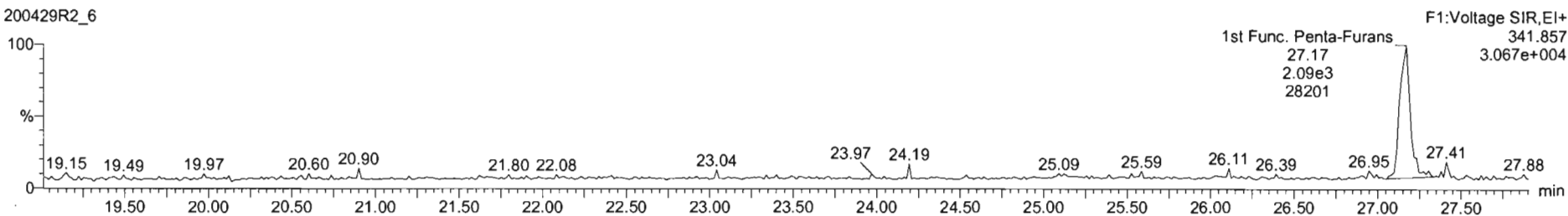
Name: 200429R2_6, Date: 29-Apr-2020, Time: 17:23:21, ID: ST200429R2_6 1613 CS5 19L2307, Description: 1613 CS5 19L2307

1st Func. Penta-Furans

200429R2_6

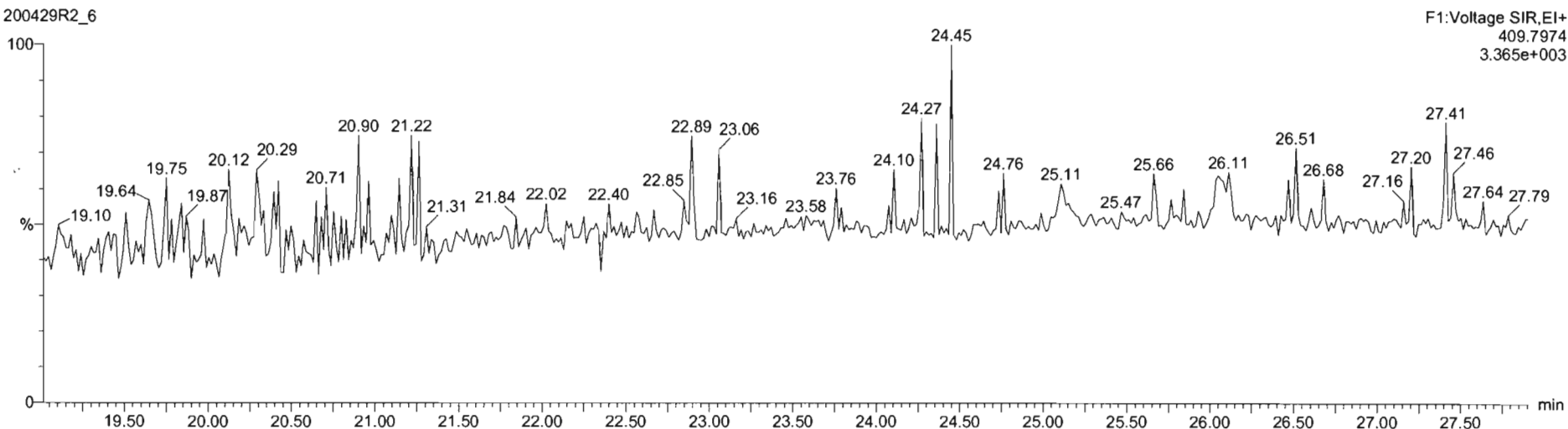


200429R2_6



DPE6

200429R2_6



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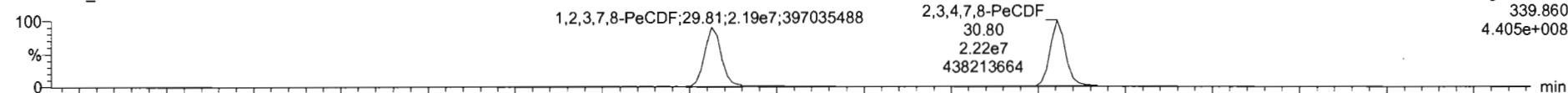
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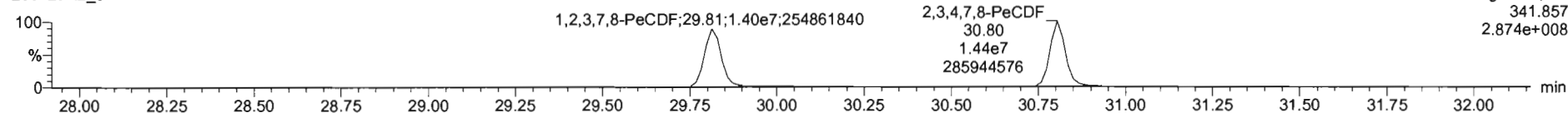
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1,2,3,7,8-PeCDF

200429R2_6

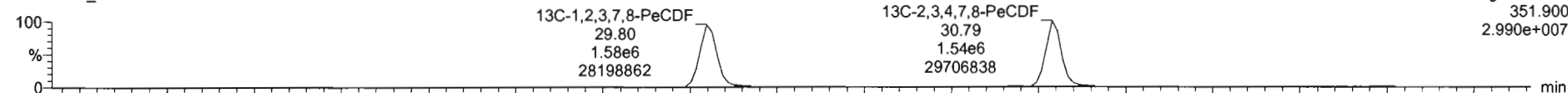


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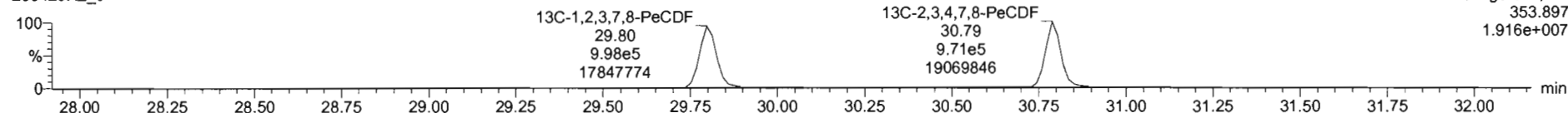


13C-1,2,3,7,8-PeCDF

200429R2_6

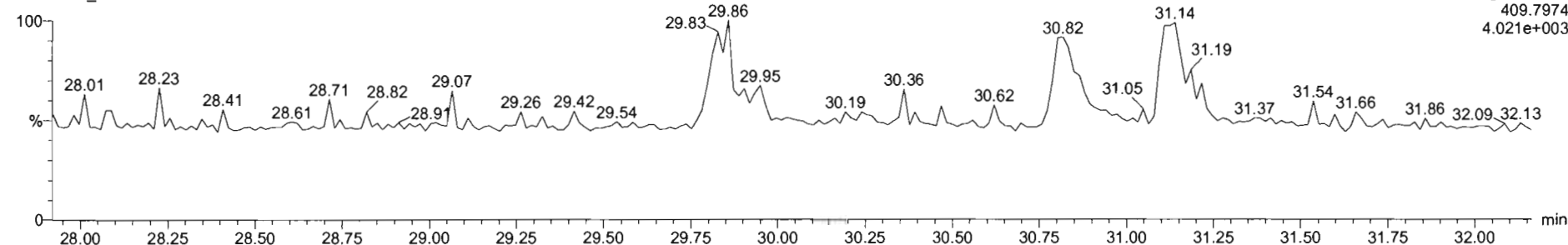


200429R2_6



DPE2

200429R2_6



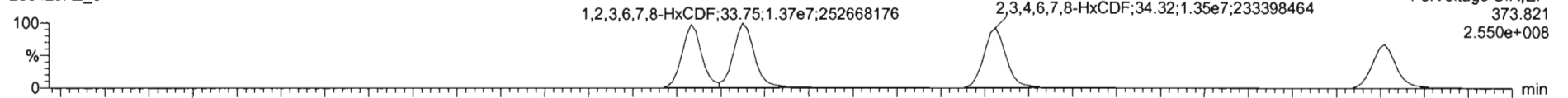
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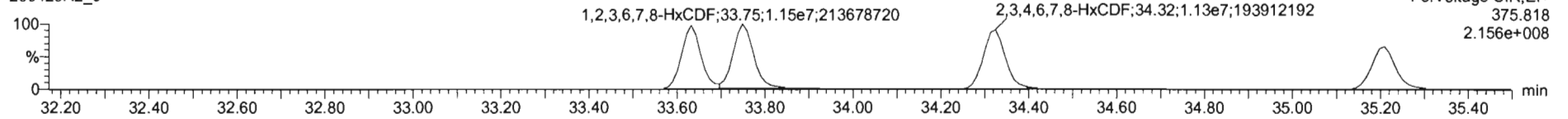
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1,2,3,4,7,8-HxCDF

200429R2_6

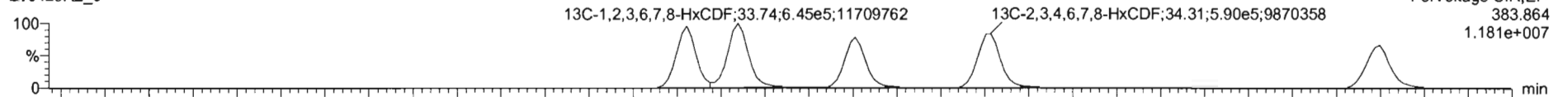


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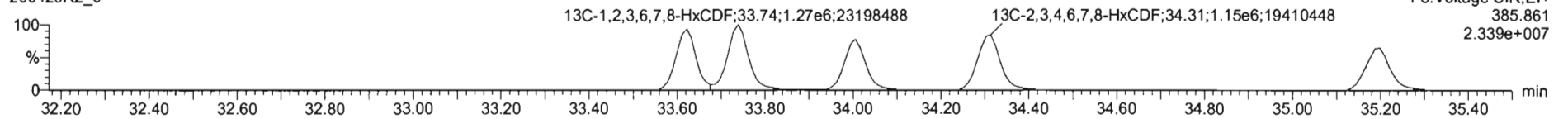


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200429R2_6

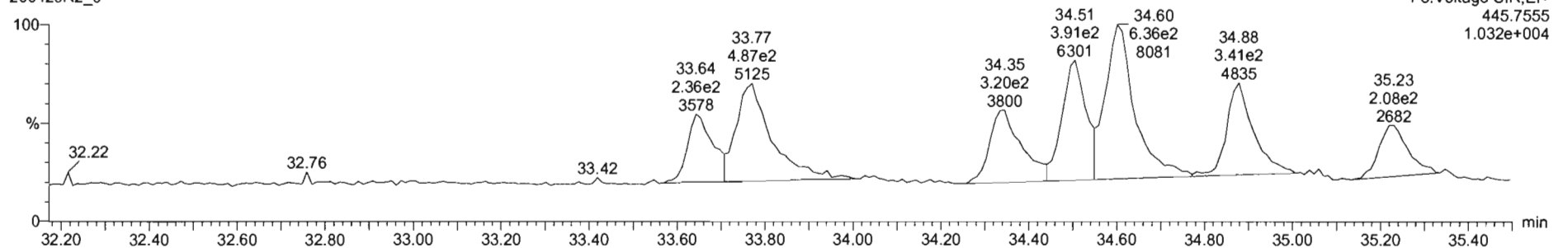


200429R2_6



DPE3

200429R2_6



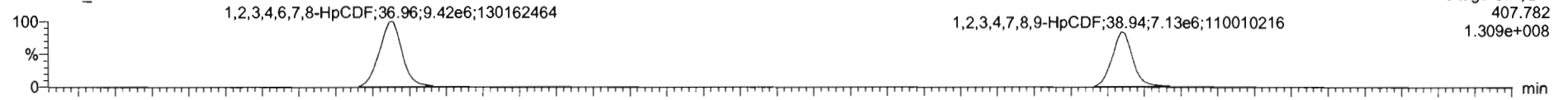
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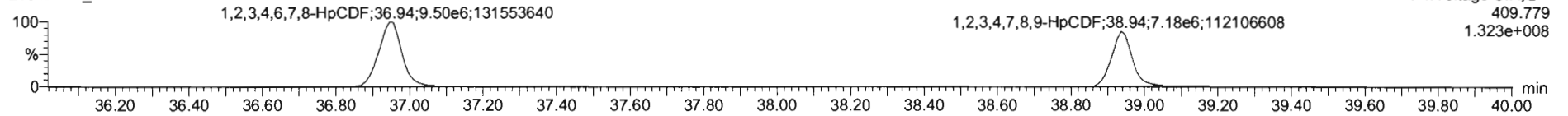
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1,2,3,4,6,7,8-HpCDF

200429R2_6

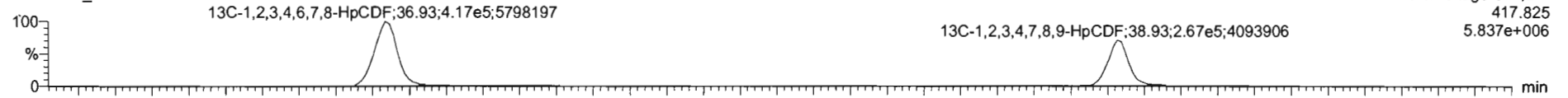


200429R2_6

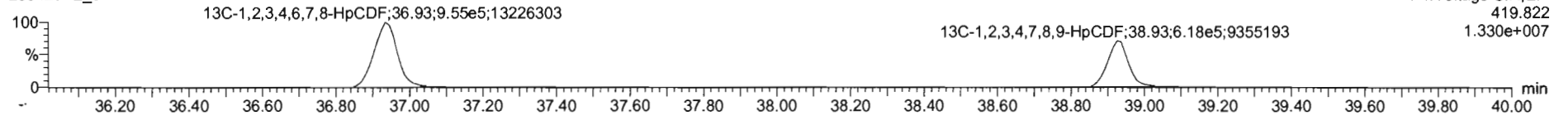


13C-1,2,3,4,6,7,8-HpCDF

200429R2_6

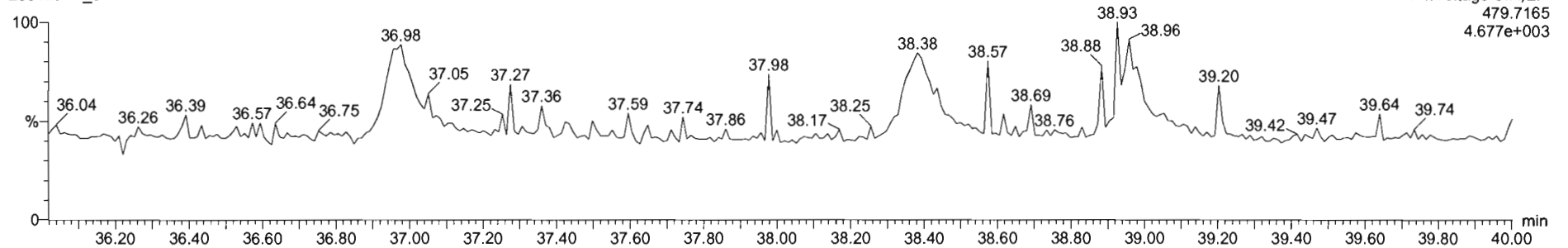


200429R2_6



DPE4

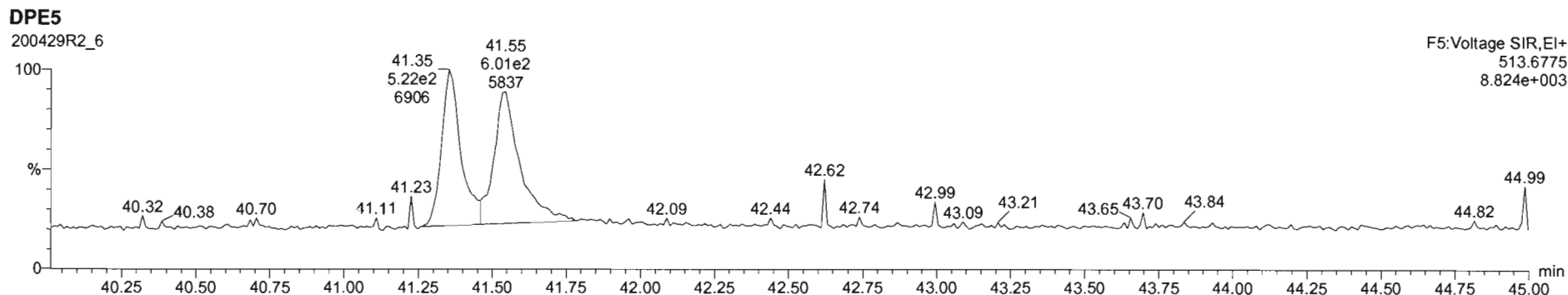
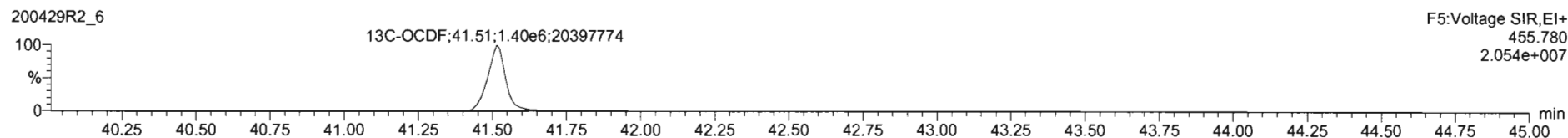
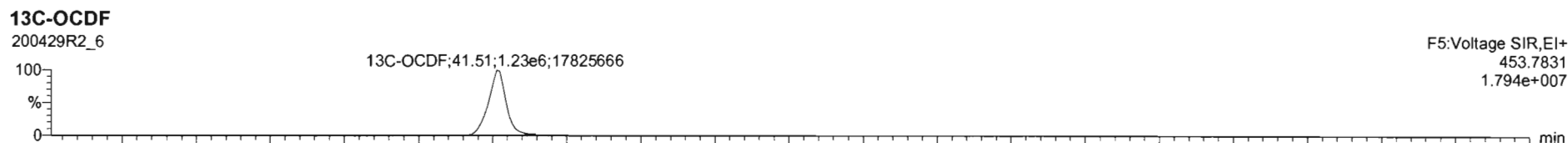
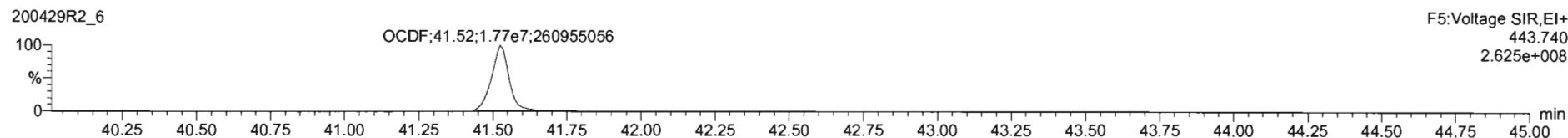
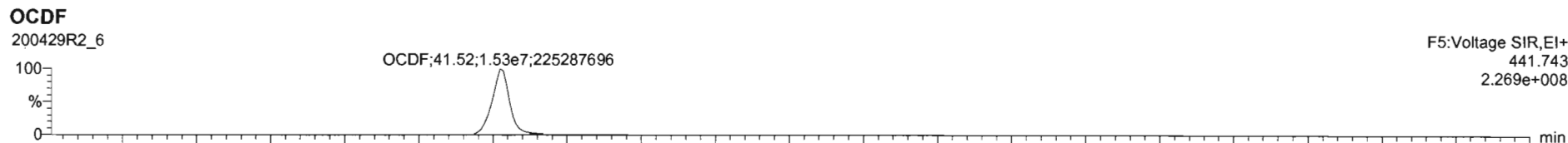
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

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

Last Altered: Thursday, April 30, 2020 8:35:25 AM Pacific Daylight Time

Printed: Thursday, April 30, 2020 8:36:35 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

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	

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-8.qld

Last Altered: Thursday, April 30, 2020 8:35:25 AM Pacific Daylight Time
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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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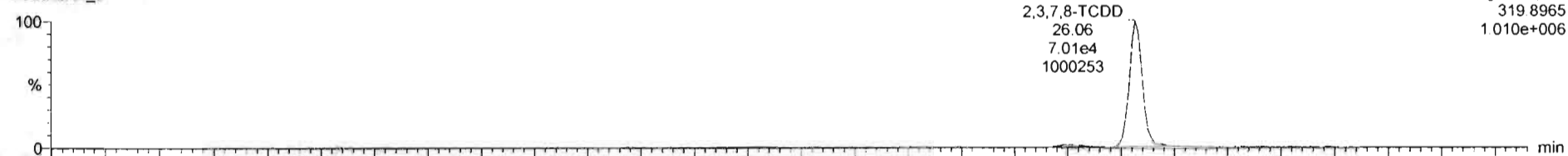
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Printed: Thursday, April 30, 2020 8:38:30 AM Pacific Daylight Time

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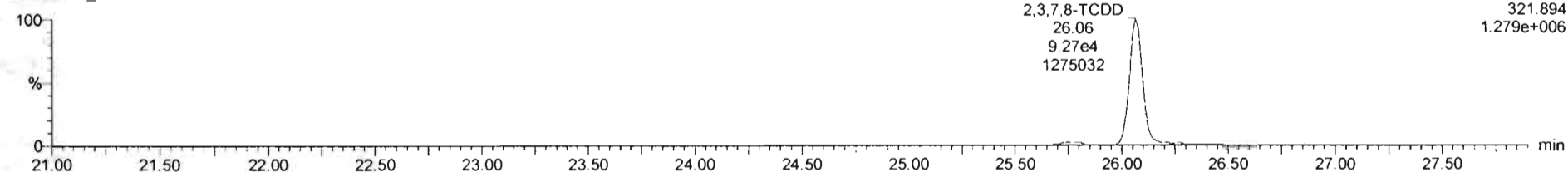
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2,3,7,8-TCDD

200429R2_8

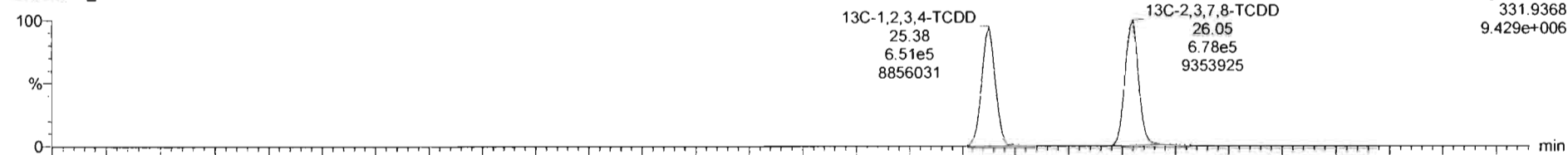


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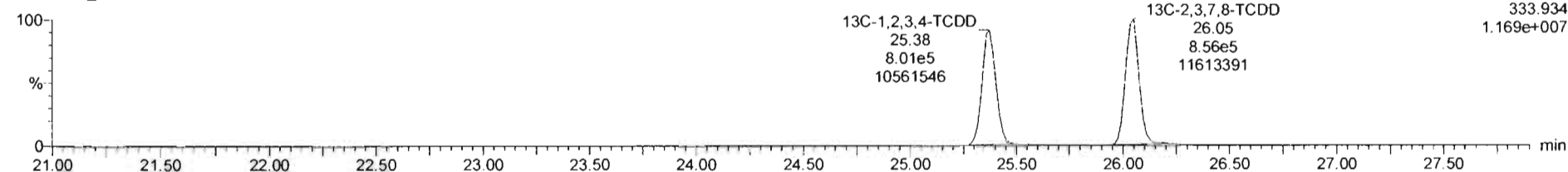


13C-2,3,7,8-TCDD

200429R2_8



200429R2_8



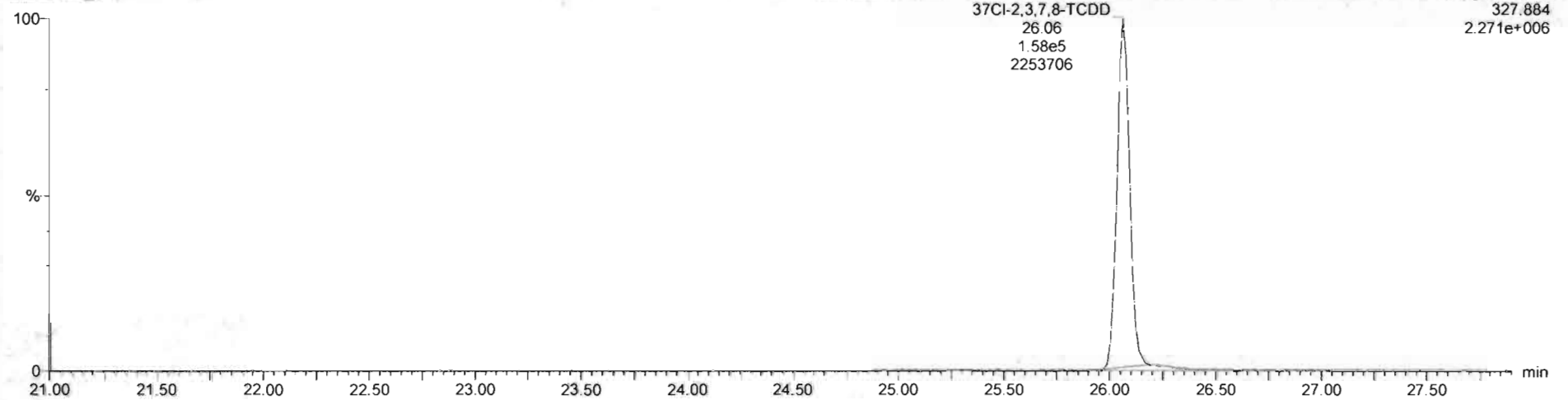
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Name: 200429R2_8, Date: 29-Apr-2020, Time: 18:58:05, ID: SS200429R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

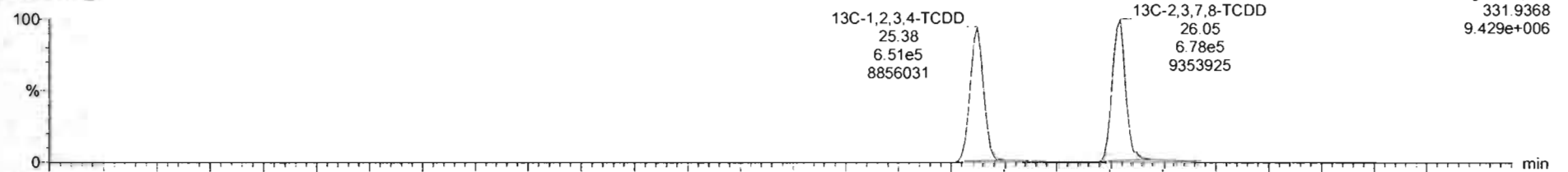
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200429R2_8

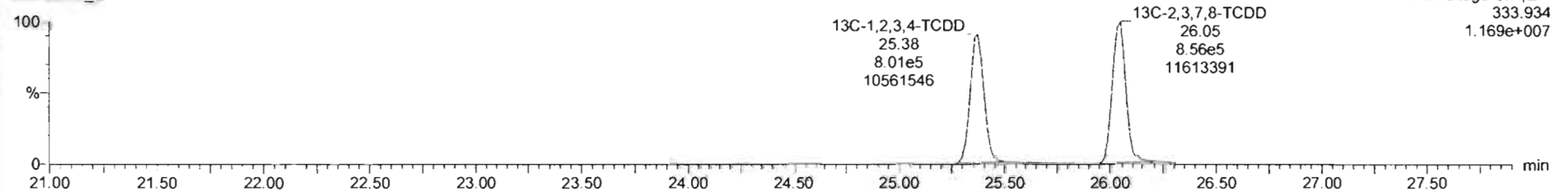


13C-1,2,3,4-TCDD

200429R2_8



200429R2_8



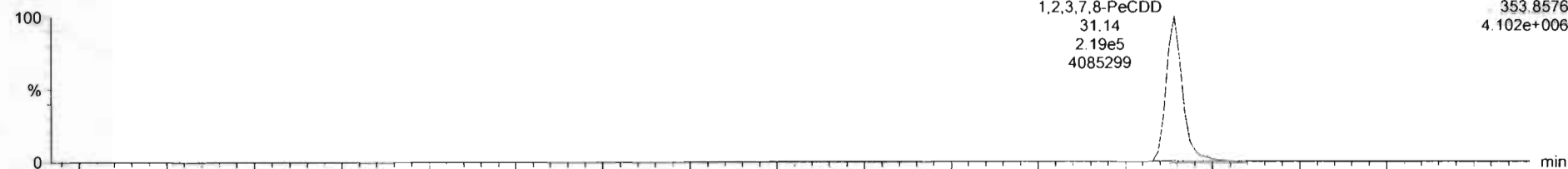
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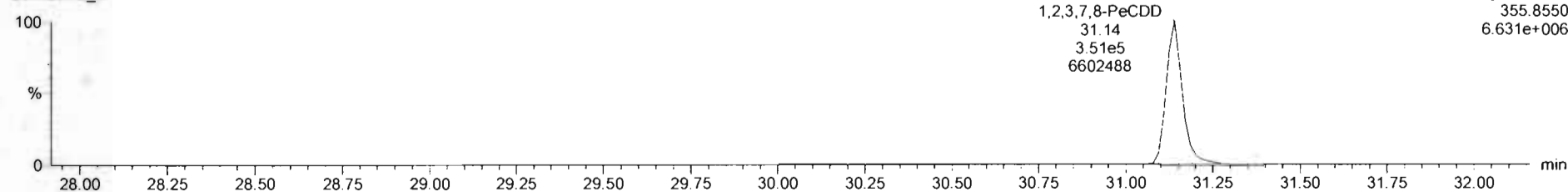
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1,2,3,7,8-PeCDD

200429R2_8

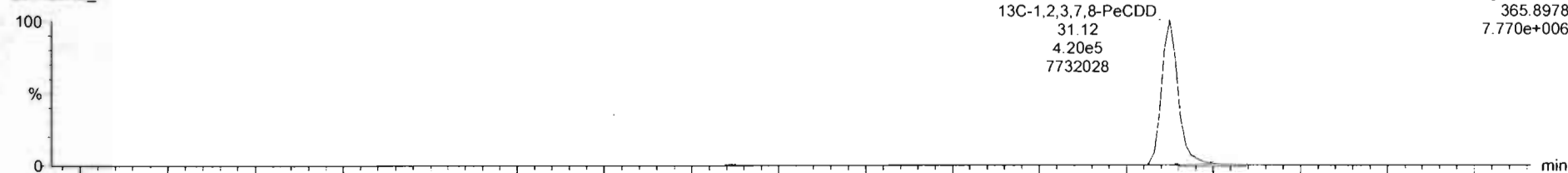


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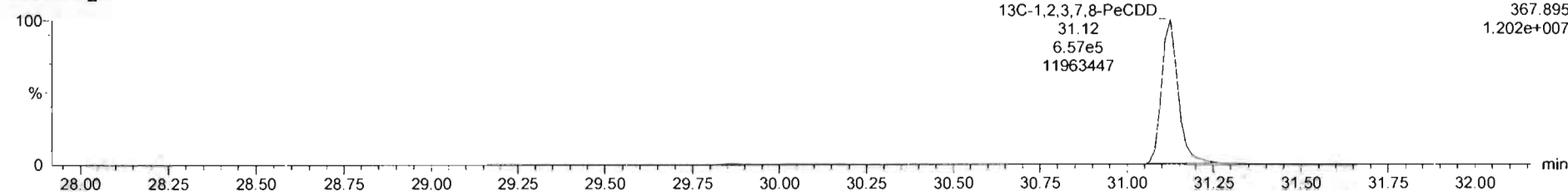


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200429R2_8



200429R2_8



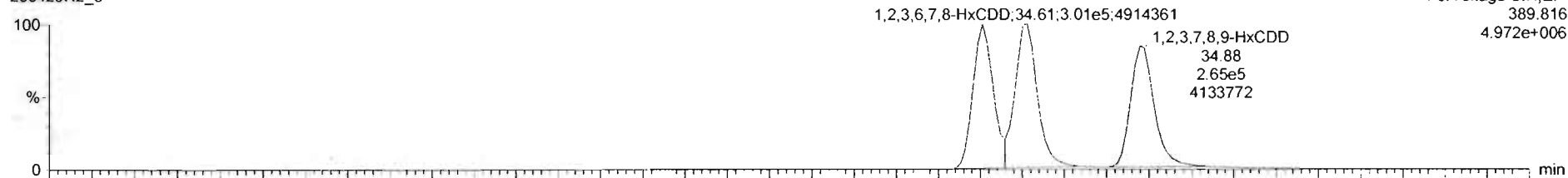
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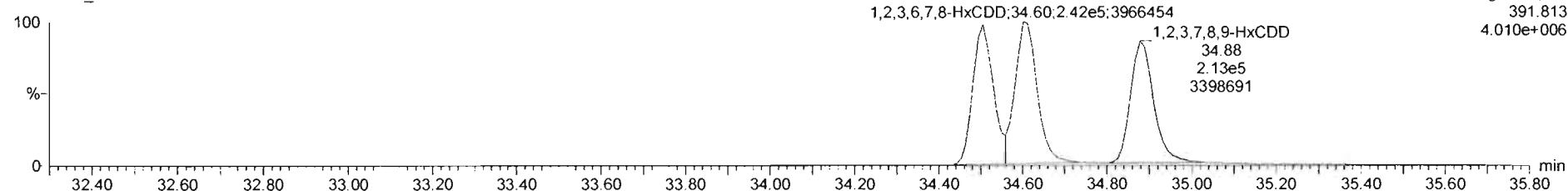
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1,2,3,4,7,8-HxCDD

200429R2_8

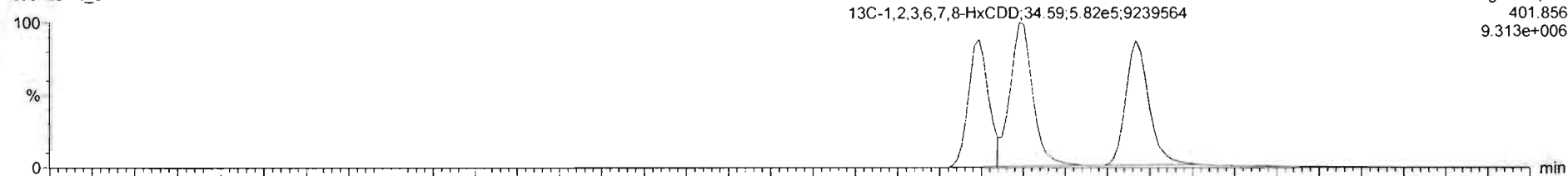


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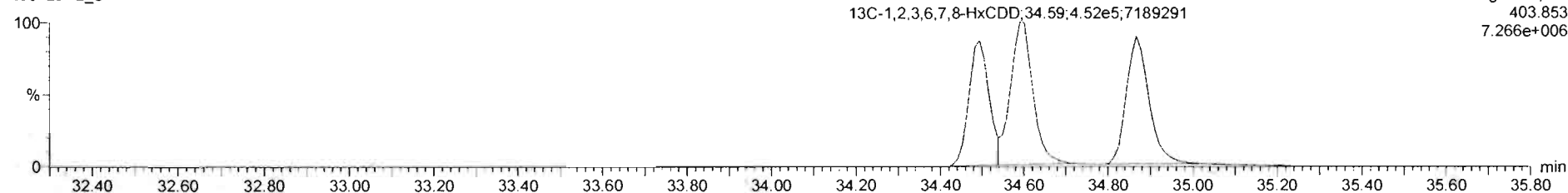


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200429R2_8



200429R2_8



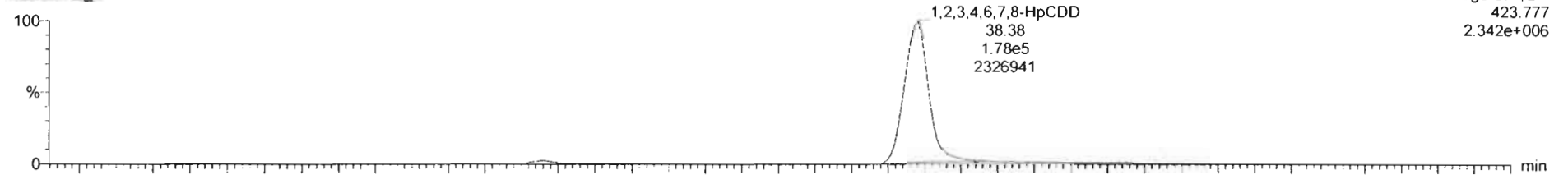
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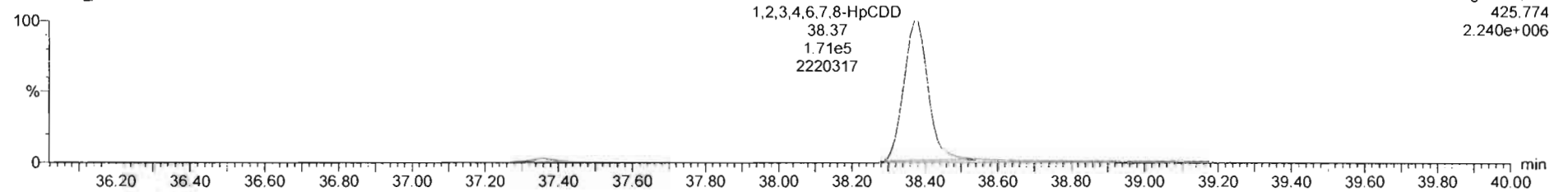
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1,2,3,4,6,7,8-HpCDD

200429R2_8

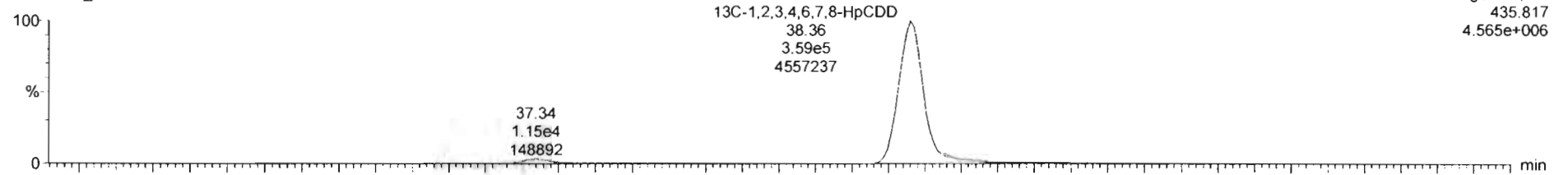


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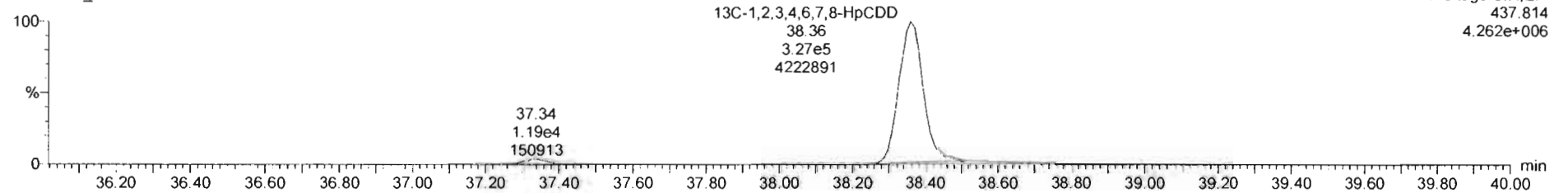


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200429R2_8



200429R2_8

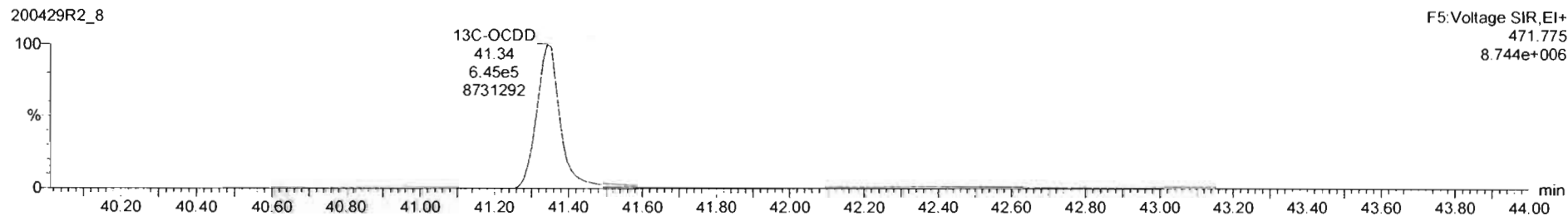
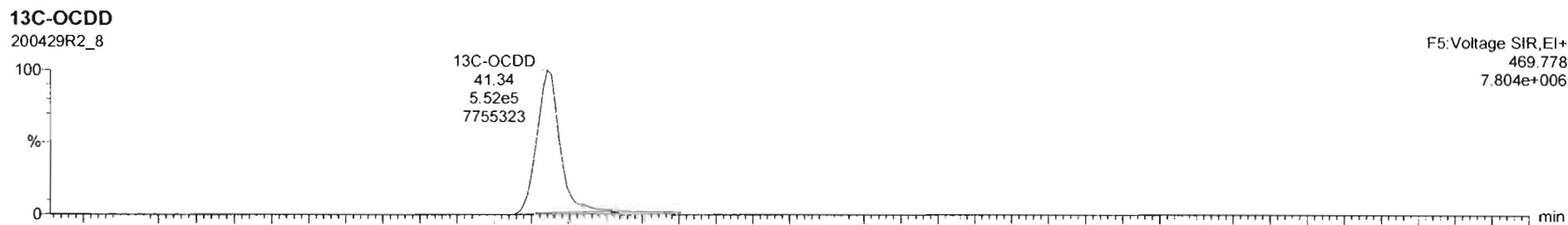
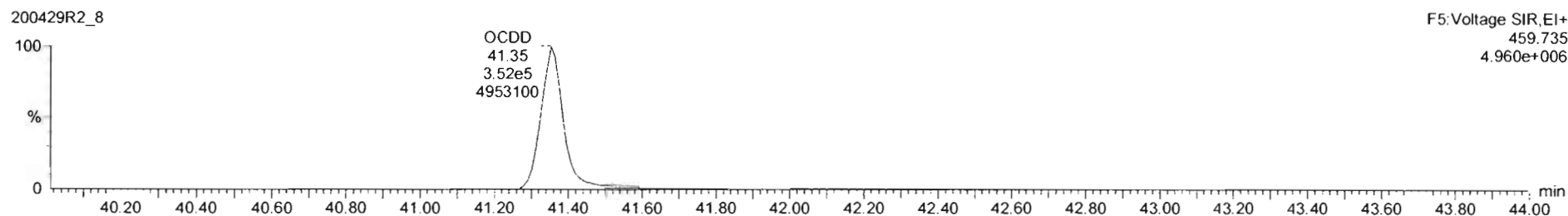
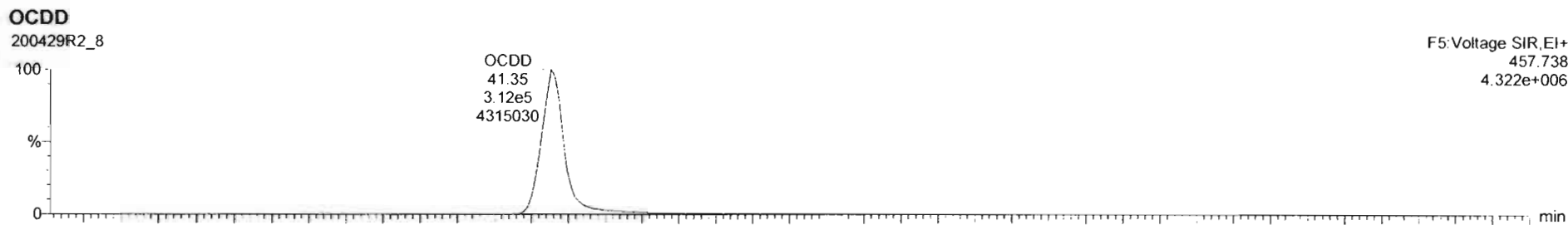


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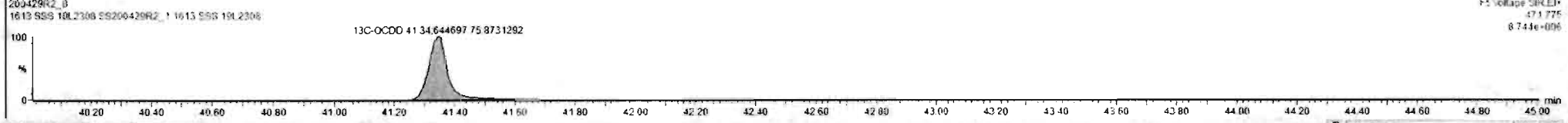
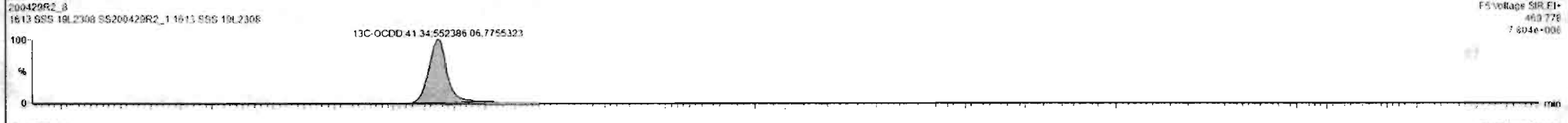
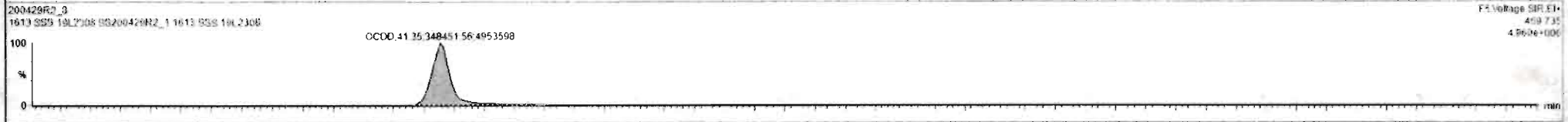
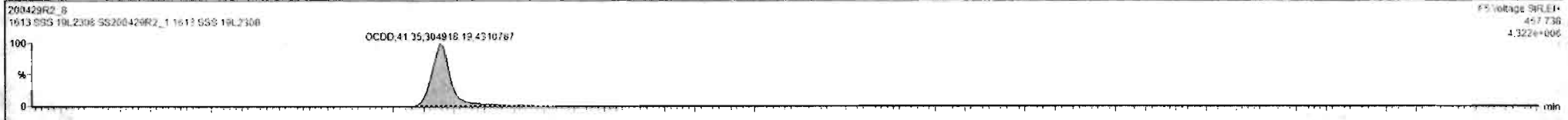
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Name: 200429R2_8, Date: 29-Apr-2020, Time: 18:58:05, ID: SS200429R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308



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	112	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	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	56.0	116	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	115	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	116	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	113	0.145	56.7
7 OCDD	6.53e5	0.55	NO	0.9325	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	5.00e5	1.54	NO	0.9102	1.000	29.83	1.001	55.8	112	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	122	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	112	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	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	4.76e5	1.19	NO	0.8542	1.000	35.22	1.000	55.3	111	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	110	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	114	0.204	57.2
17 OCDF	6.13e5	0.86	NO	0.8021	1.000	41.53	1.000	115	115	0.158	115



Dataset: Untitled

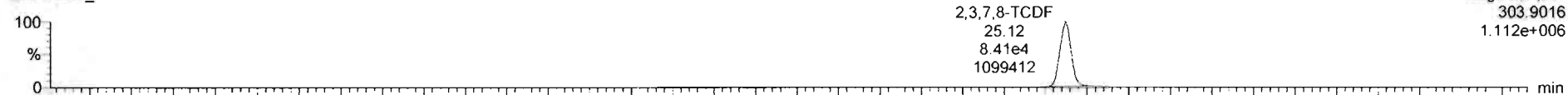
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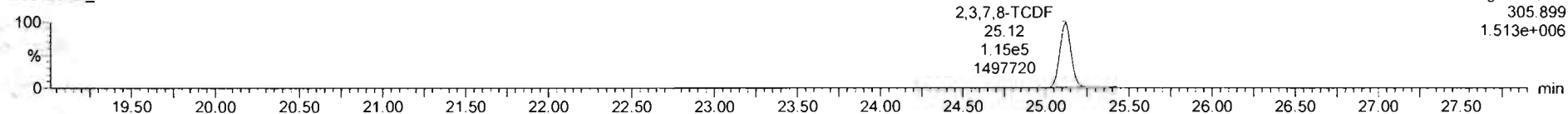
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2,3,7,8-TCDF

200429R2_8

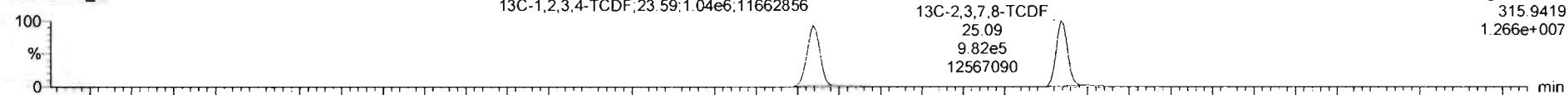


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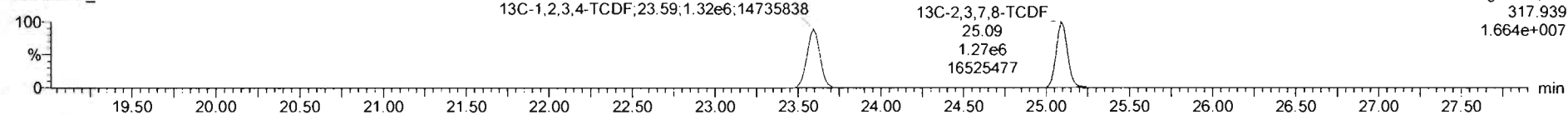


13C-2,3,7,8-TCDF

200429R2_8

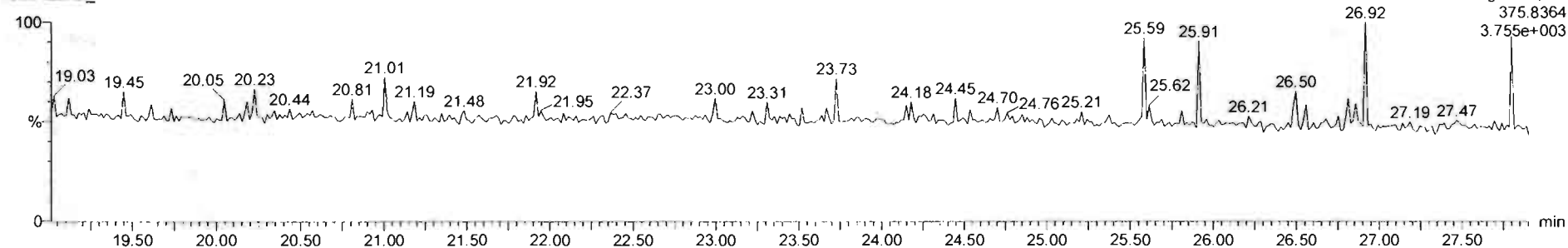


200429R2_8



DPE1

200429R2_8



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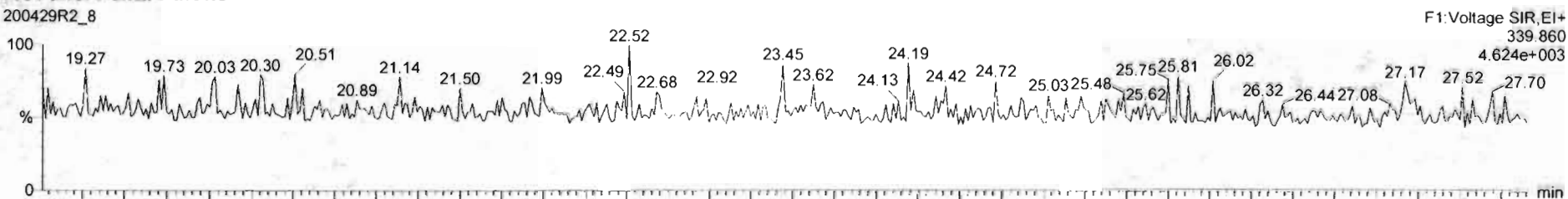
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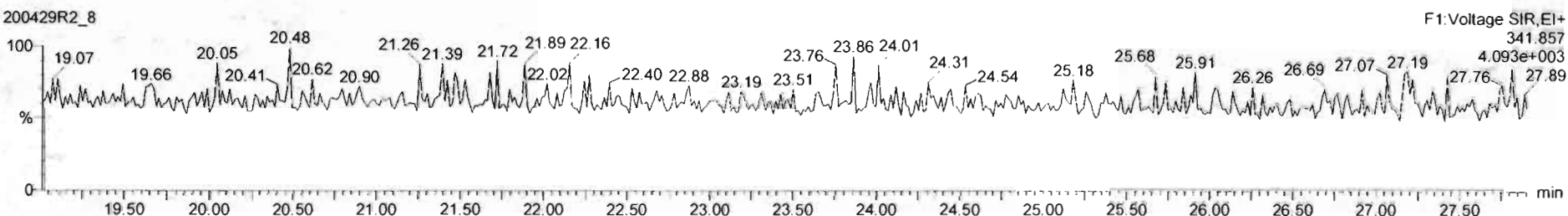
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200429R2_8

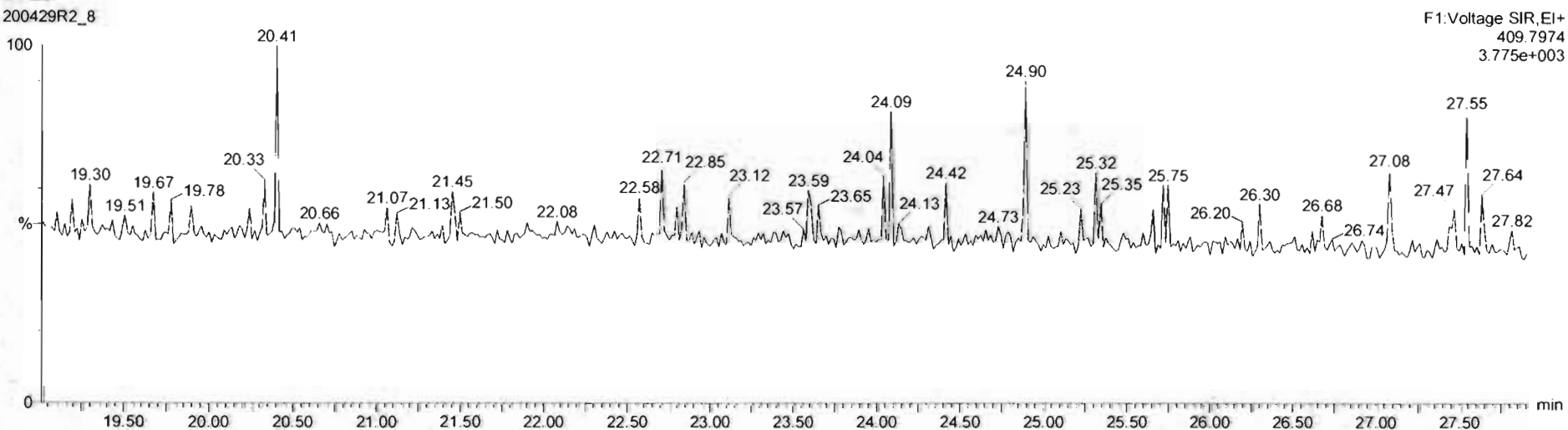


200429R2_8



DPE6

200429R2_8



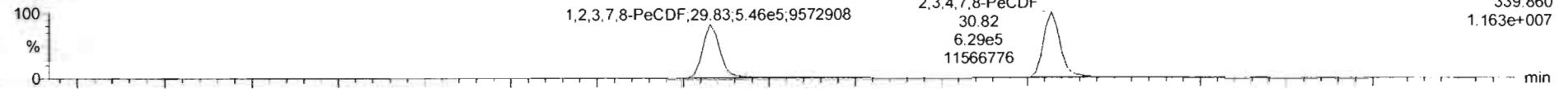
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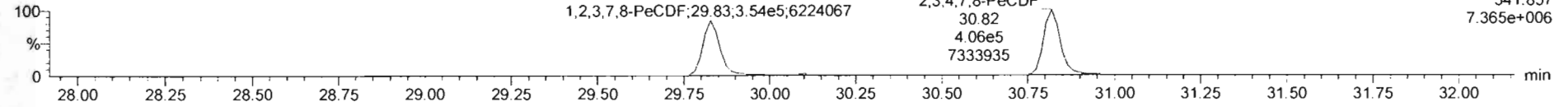
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1,2,3,7,8-PeCDF

200429R2_8

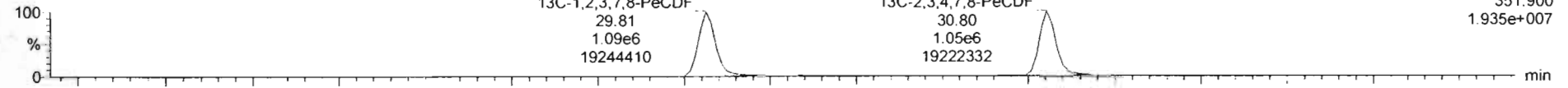


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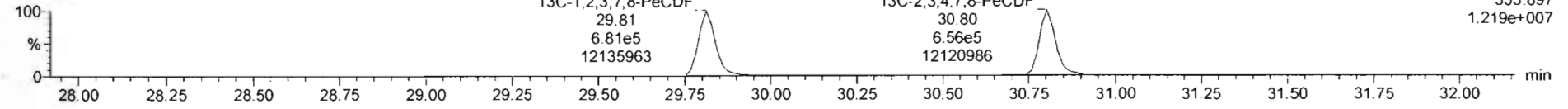


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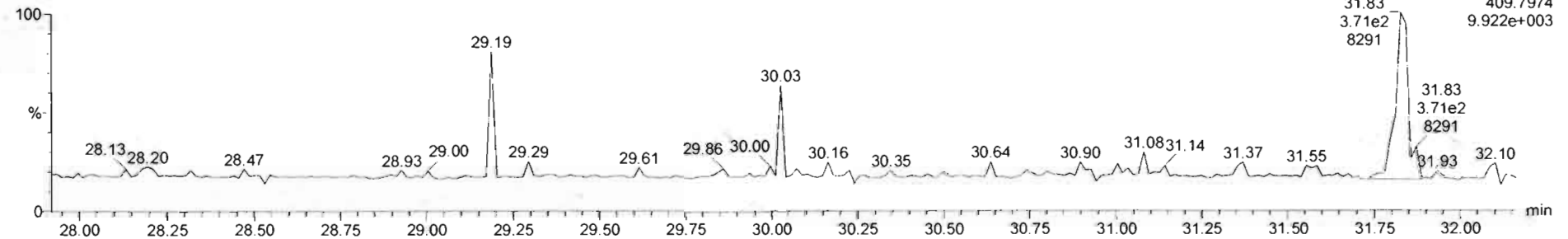


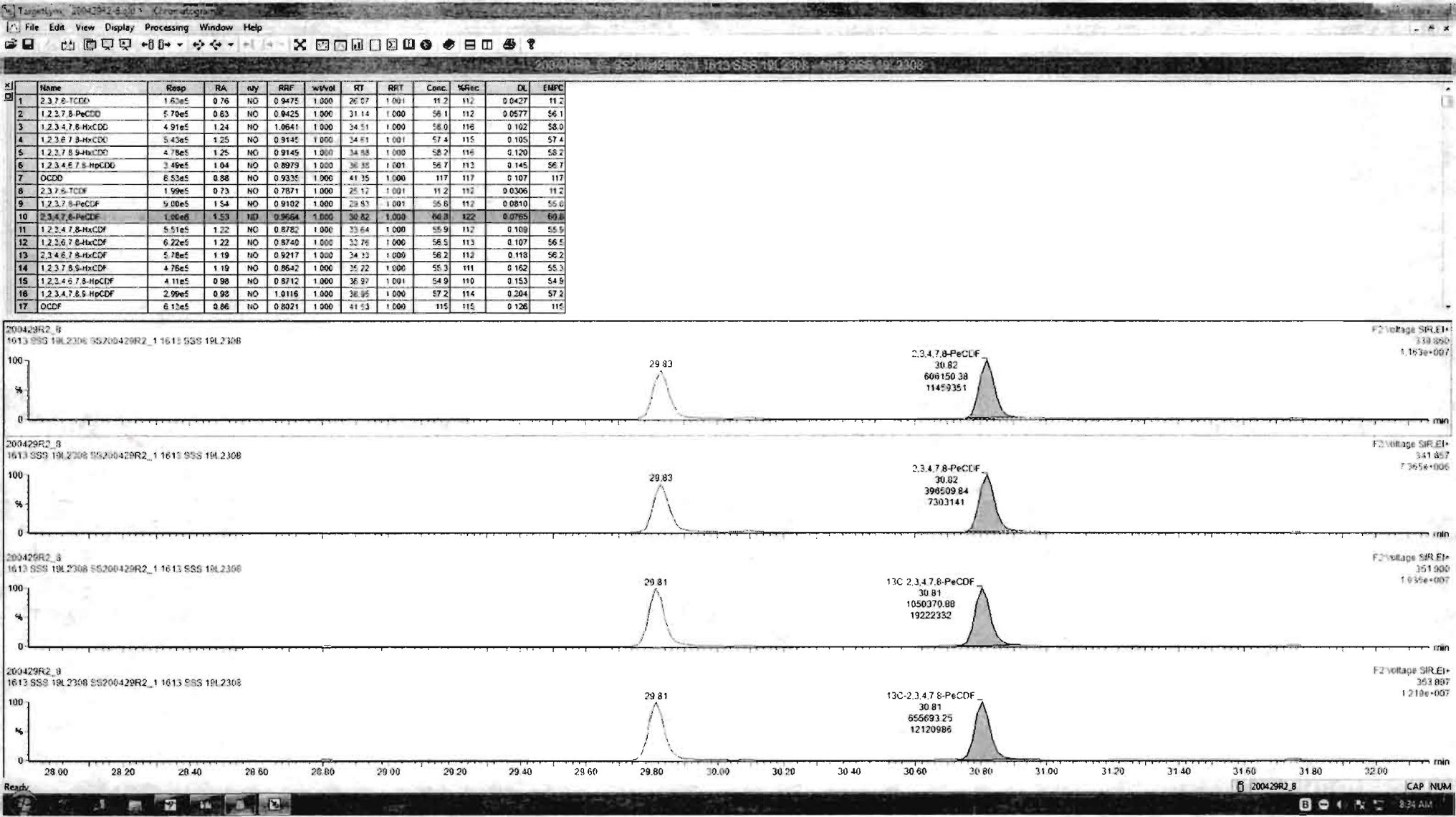
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DPE2

200429R2_8





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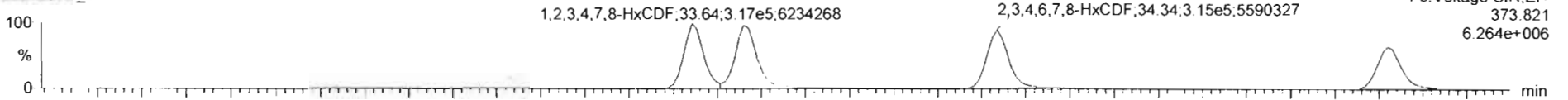
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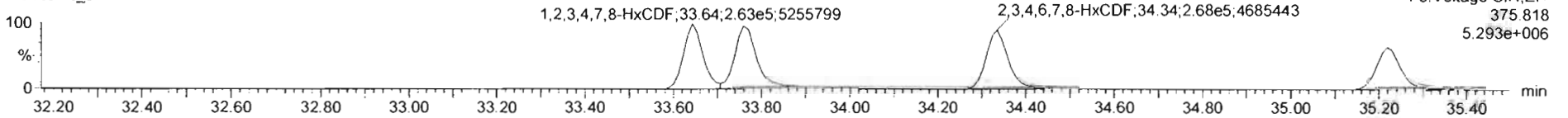
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1,2,3,4,7,8-HxCDF

200429R2_8

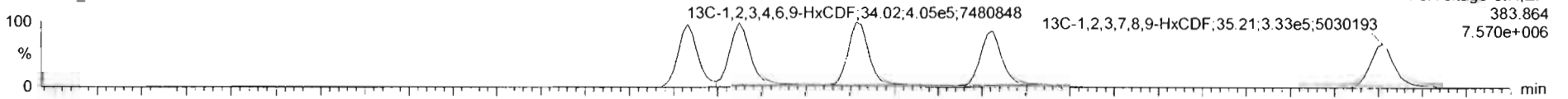


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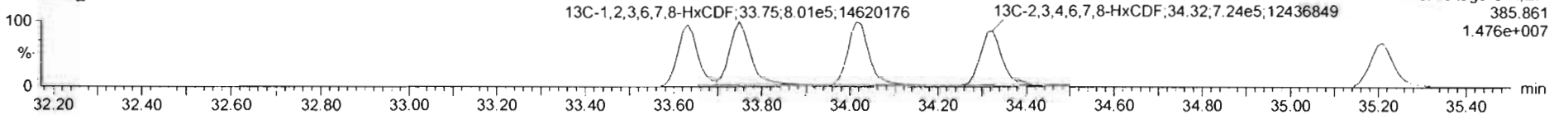


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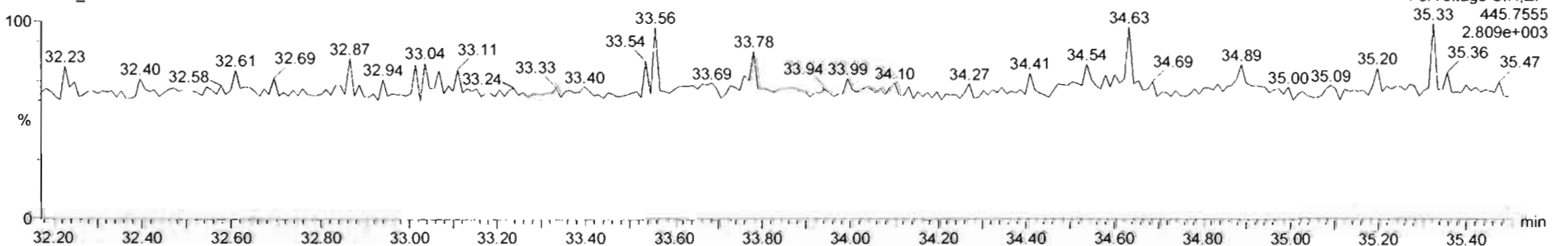


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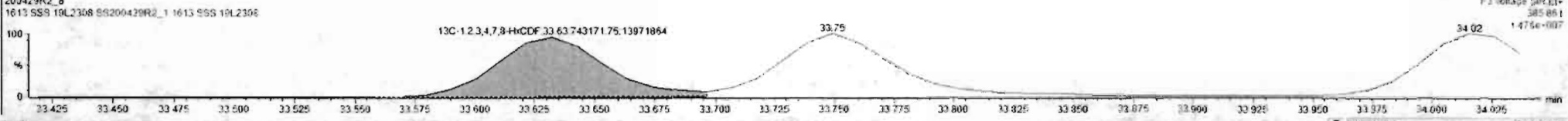
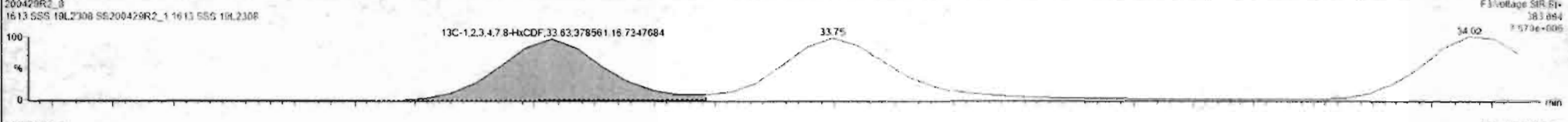
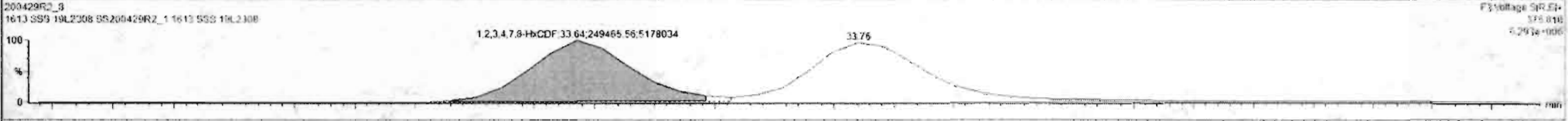
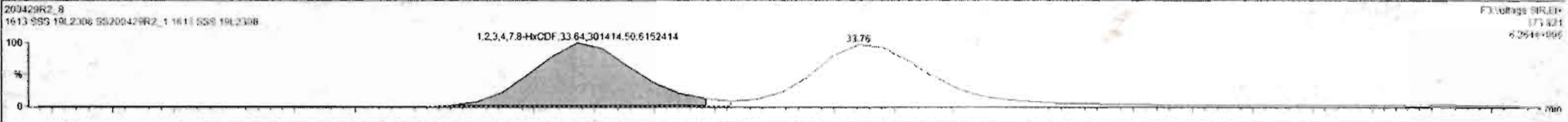
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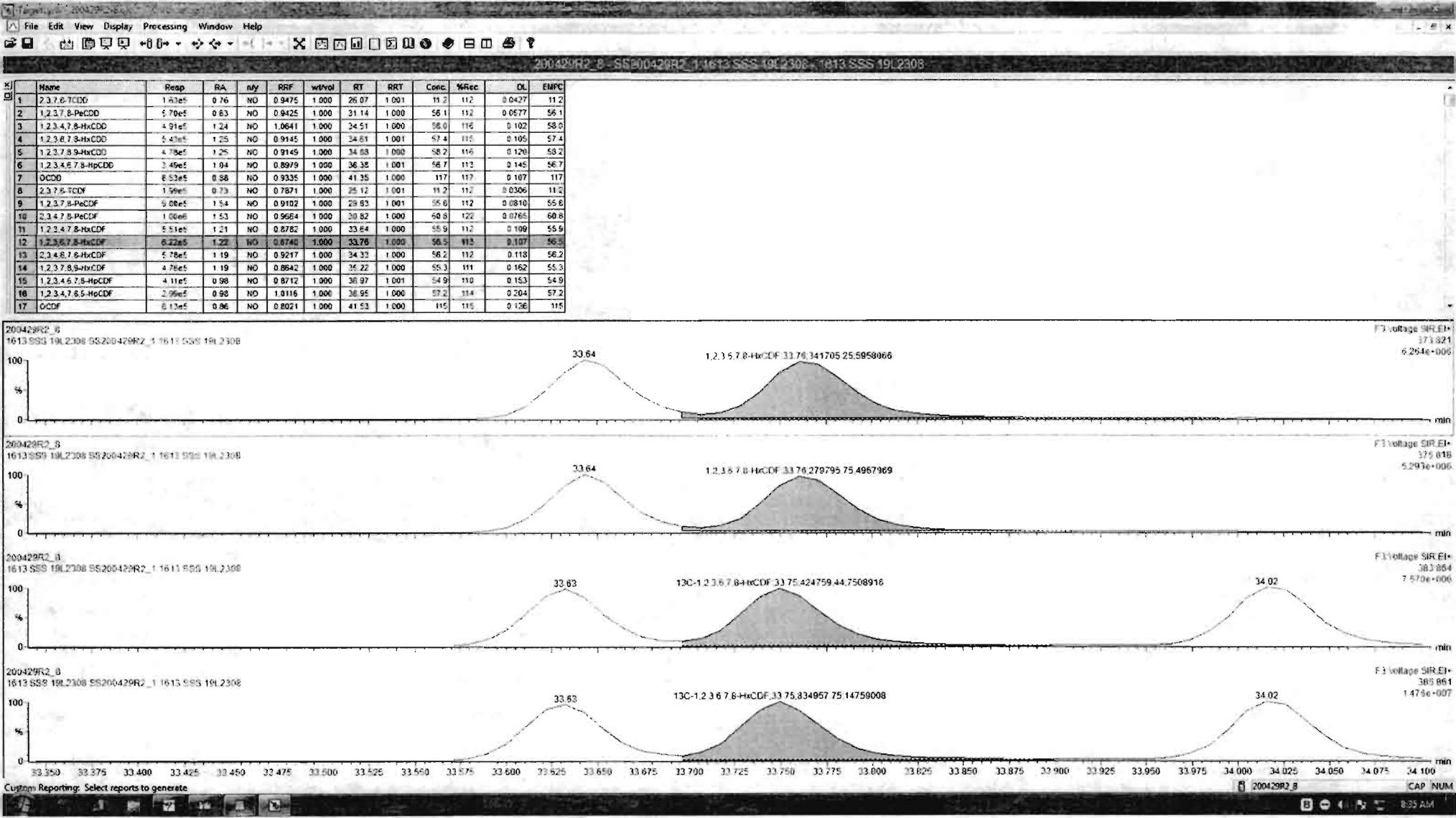
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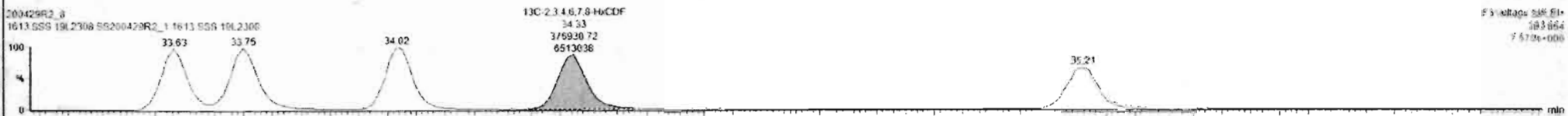
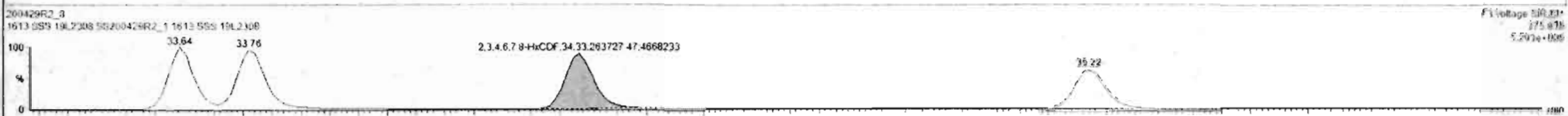
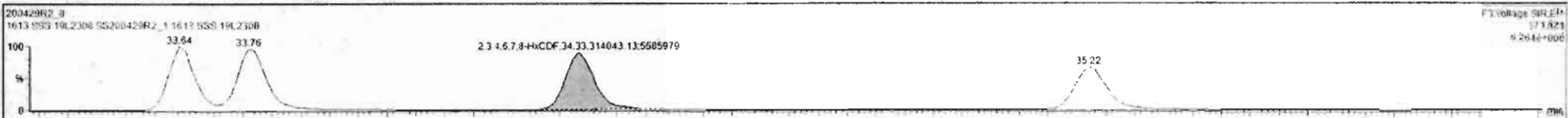
200429R2_8 - SS200429R2_1 1613 SSS 19L2308 - 1613 SSS 19L2308

#	Name	Resp	RA	xy	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

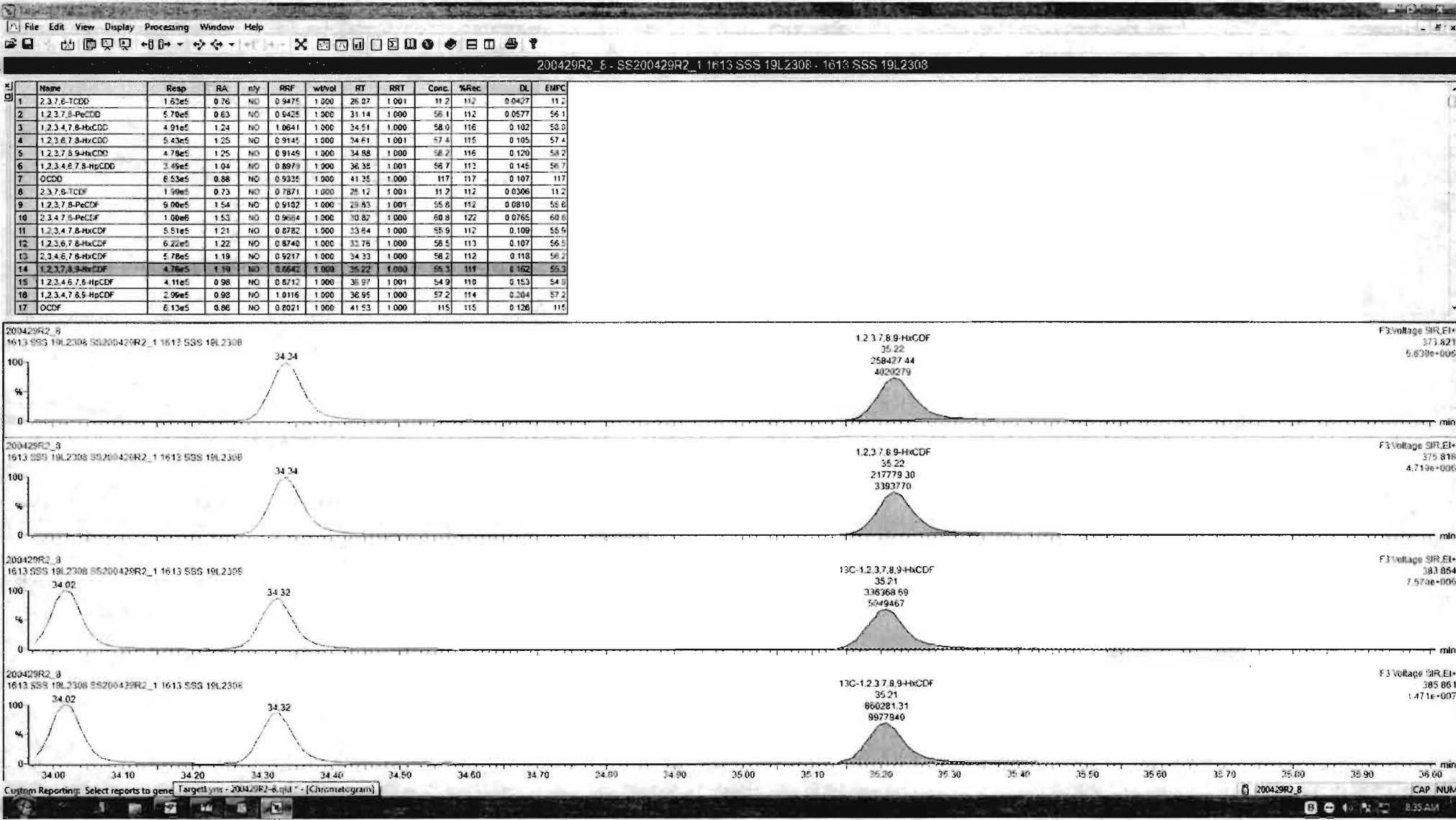




#	Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.63e5	0.76	NO	0.9475	1.000	26.07	1.001	11.7	11.2	0.0427	11.2
2	1,2,3,7,8-PeCDD	5.70e5	0.83	NO	0.9425	1.000	31.14	1.000	56.1	11.2	0.0577	56.1
3	1,2,3,4,7,8-HxCDD	4.91e5	1.24	NO	1.0641	1.000	34.51	1.000	58.0	11.6	0.102	58.0
4	1,2,3,6,7,8-HxCDD	5.43e5	1.25	NO	0.9145	1.000	34.61	1.001	57.4	11.5	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	11.5	0.126	115



Custom Reporting: Select reports to generate



Dataset: Untitled

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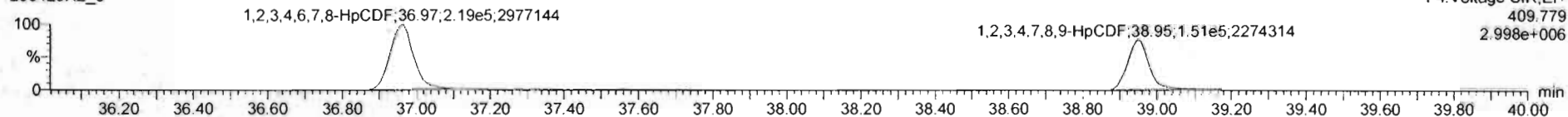
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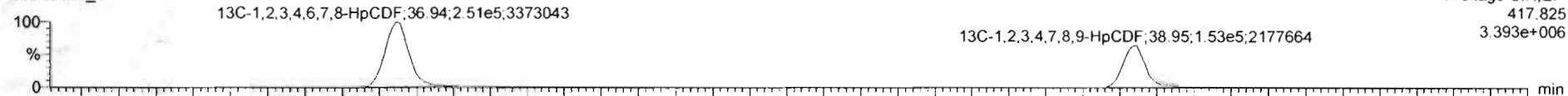


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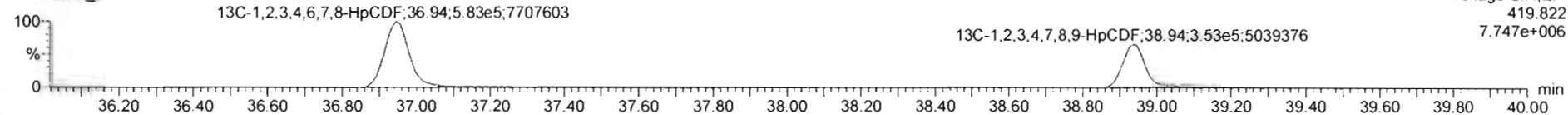


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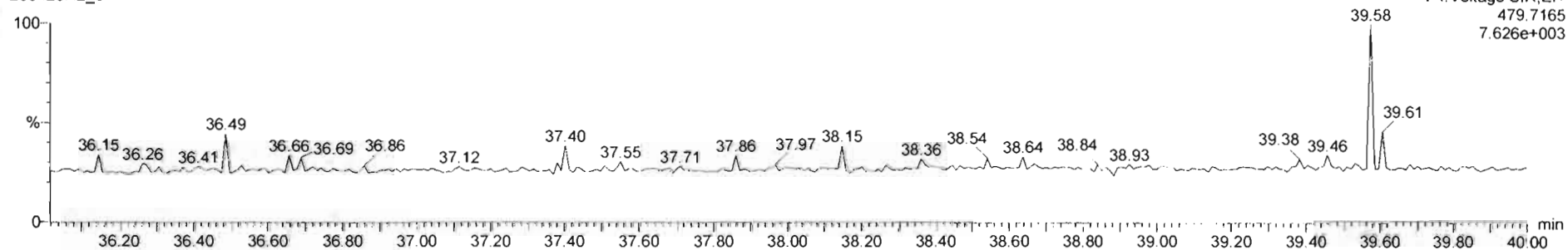


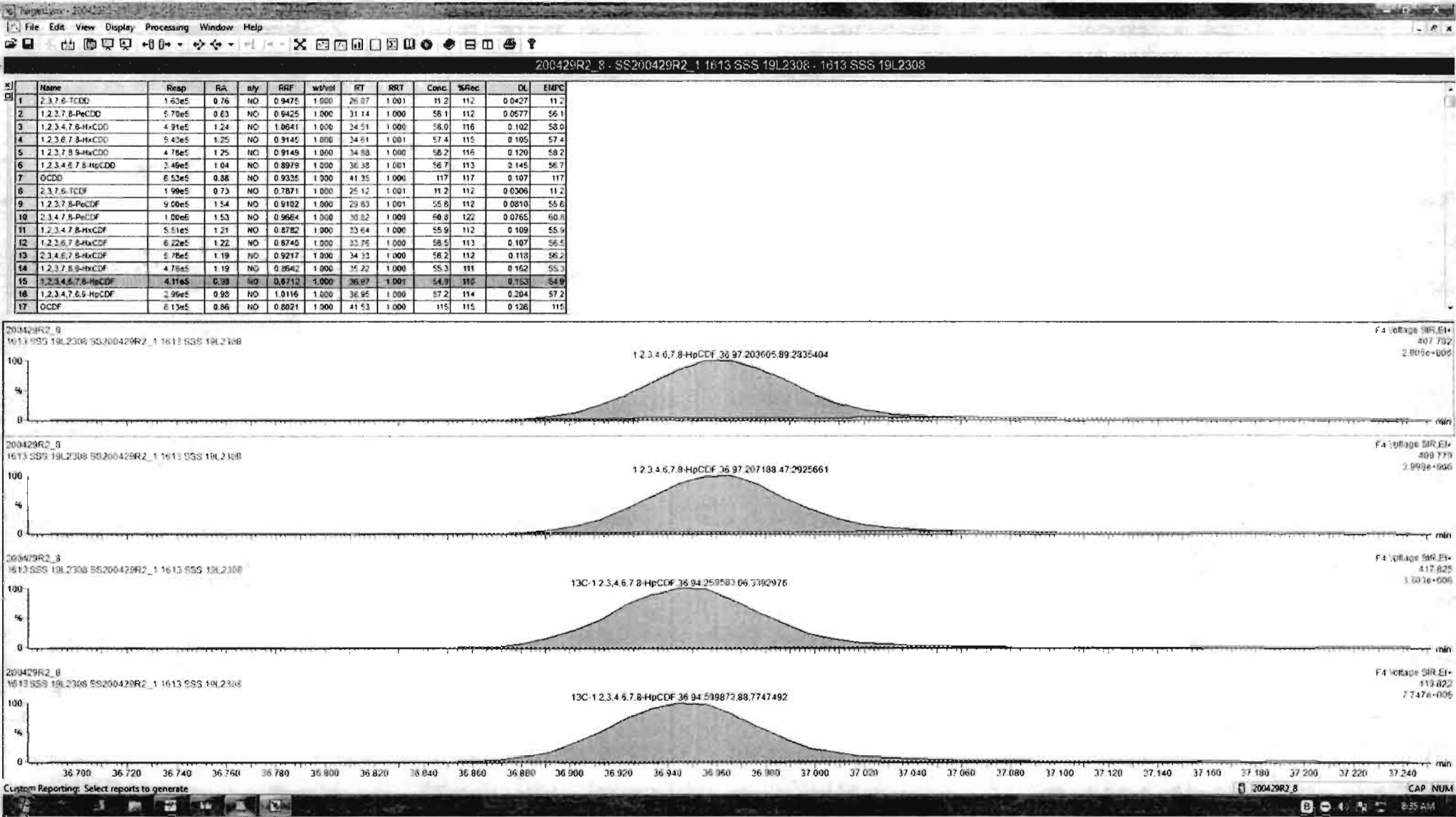
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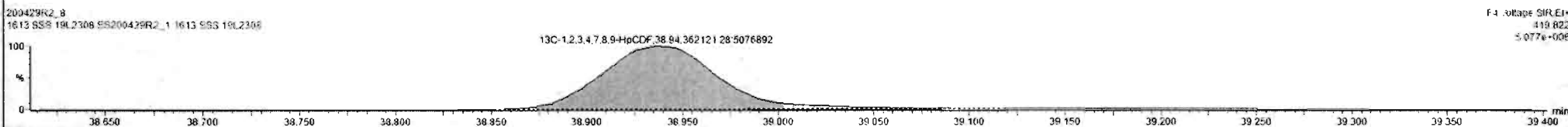
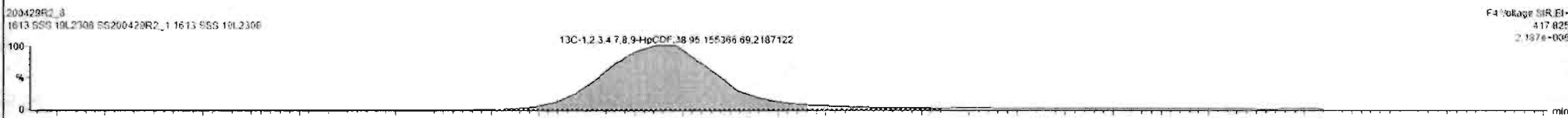
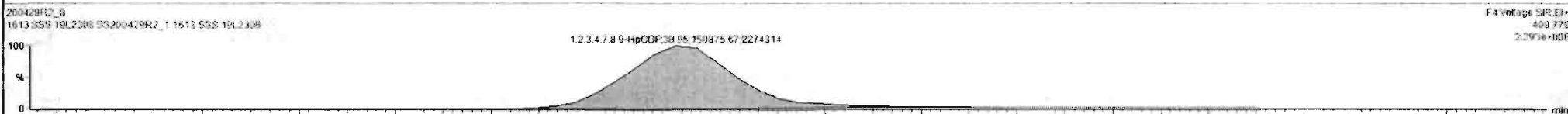
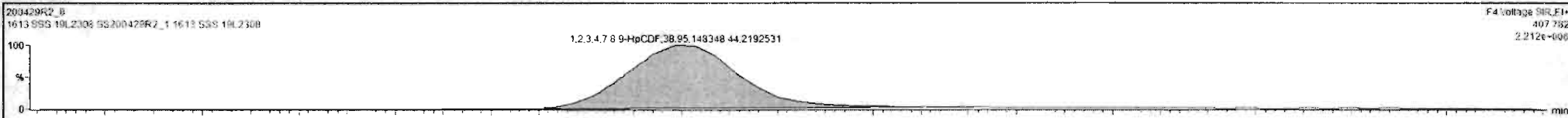
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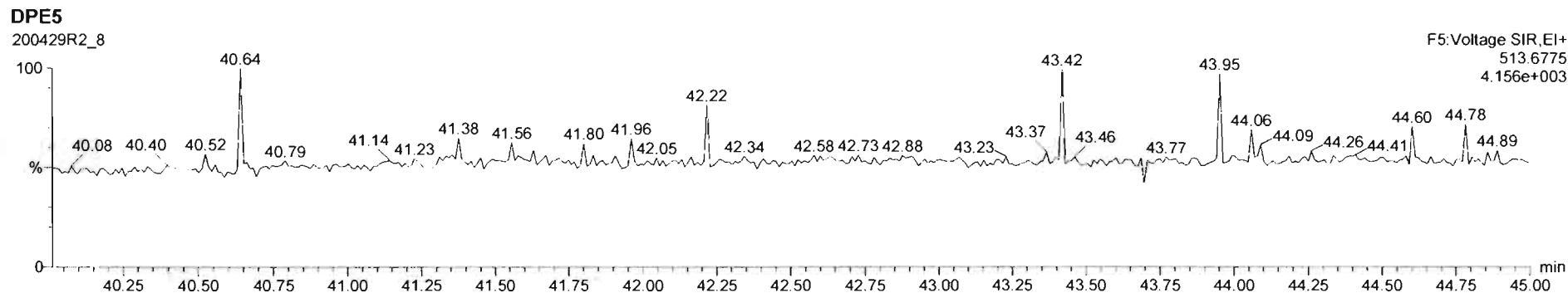
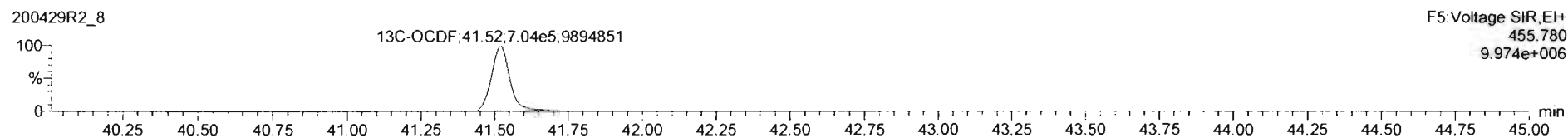
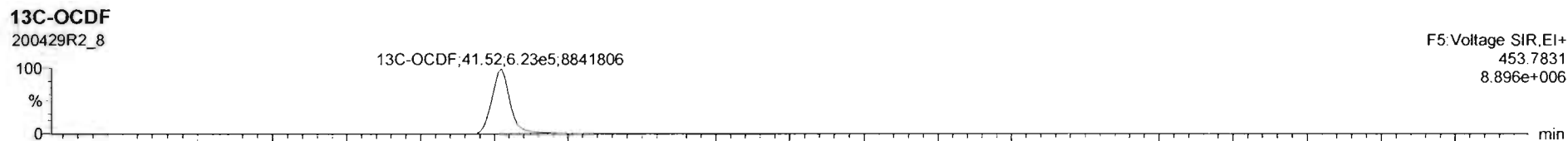
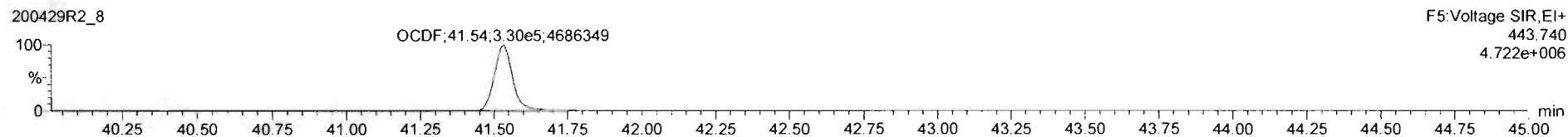
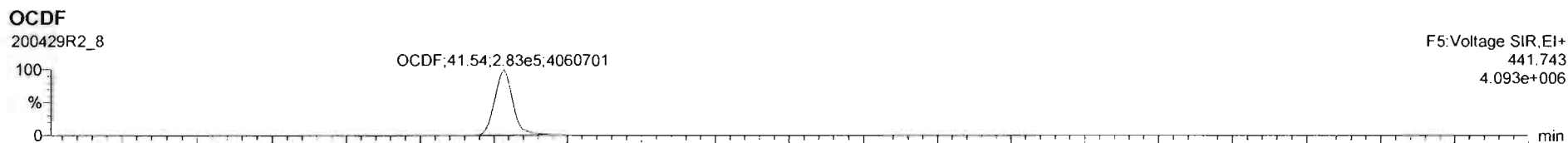
Name	Resp	RA	dy	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.63e5	0.76	NO	0.9475	1.000	26.07	1.001	11.2	11.2	0.0427	11.2
2 1,2,3,7,8-PeCDD	4.70e5	0.83	NO	0.9425	1.000	31.14	1.000	58.1	11.2	0.0577	56.1
3 1,2,3,4,7,8-HxCDD	4.91e5	1.24	NO	1.0641	1.000	34.51	1.000	58.0	11.6	0.102	58.0
4 1,2,3,6,7,8-HxCDD	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

Name: 200429R2_8, Date: 29-Apr-2020, Time: 18:58:05, ID: SS200429R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308



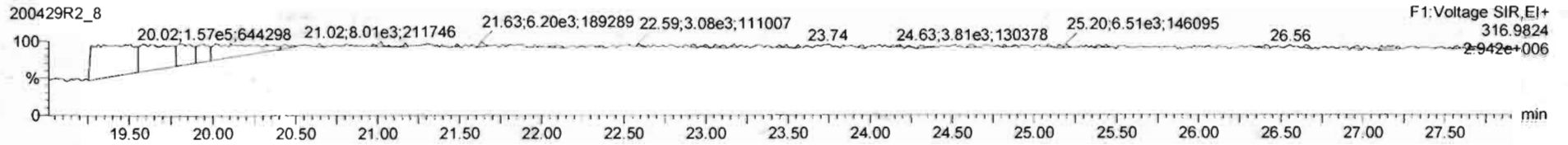
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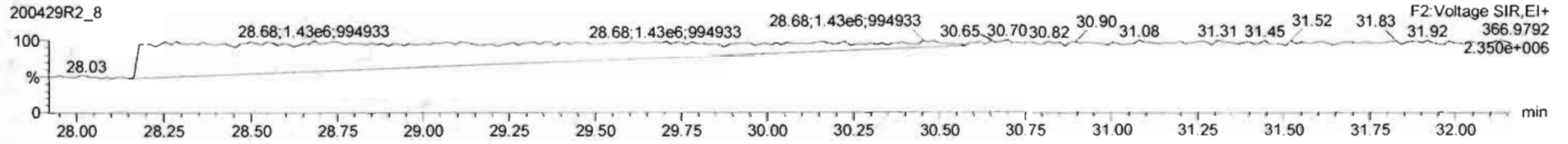
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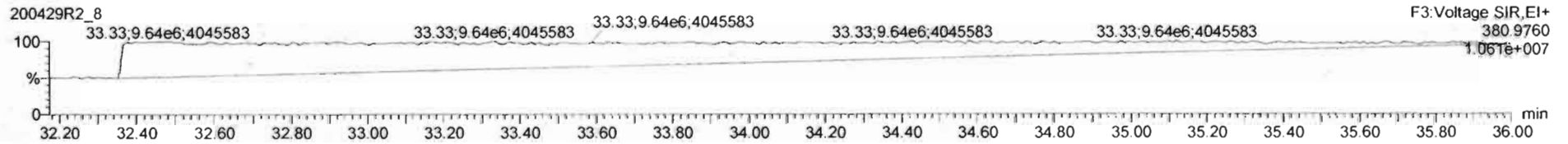
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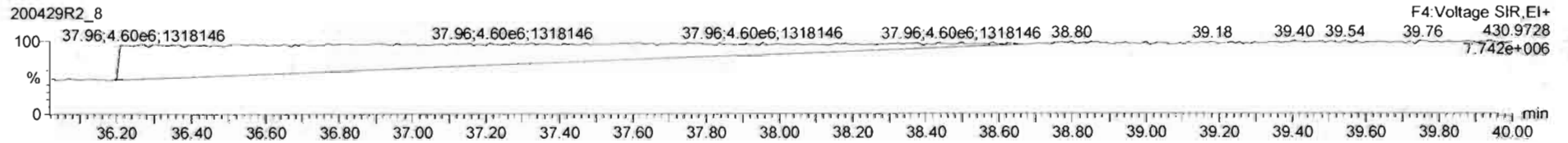
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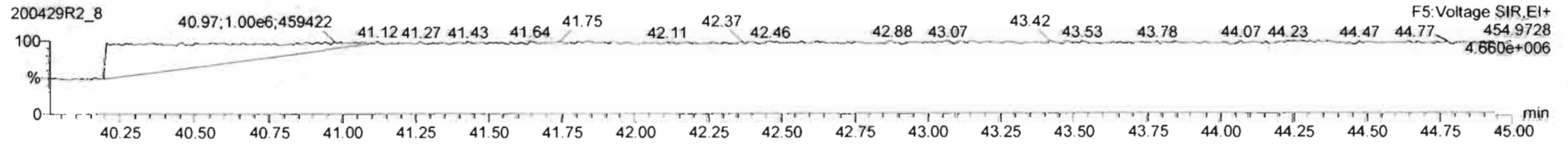
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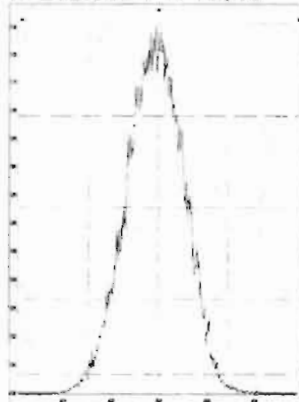
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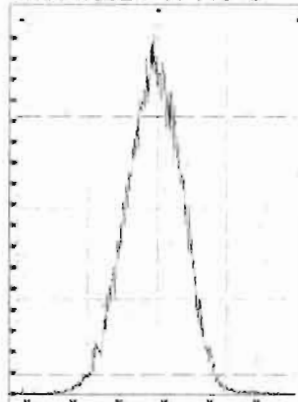
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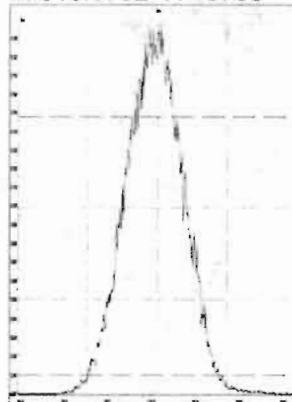
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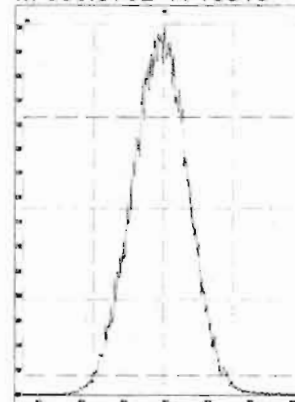
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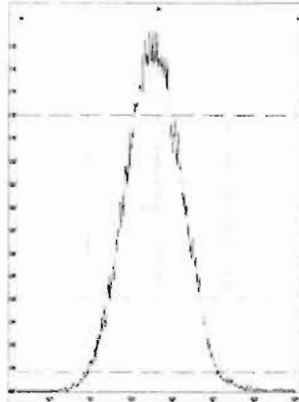
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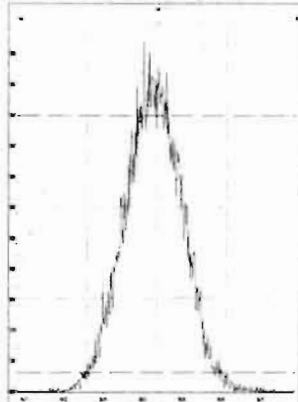
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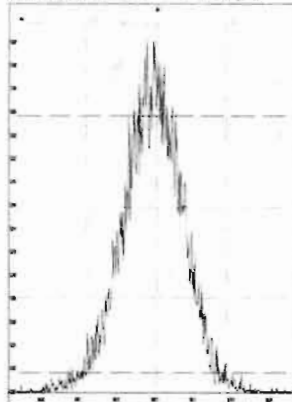
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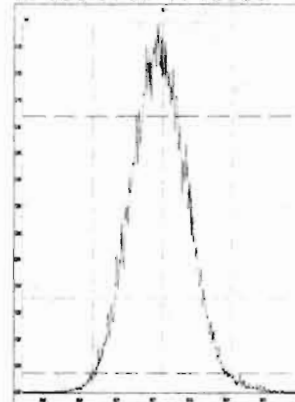
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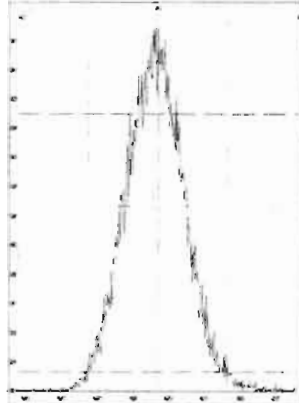
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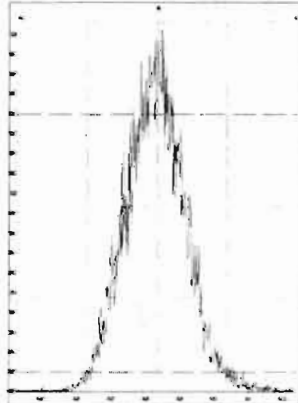
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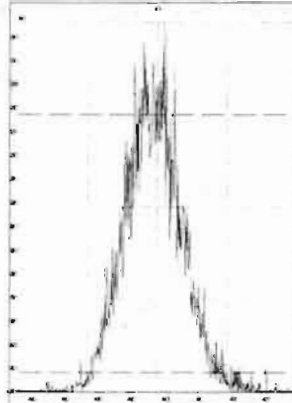
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M 404.9760 R 10370



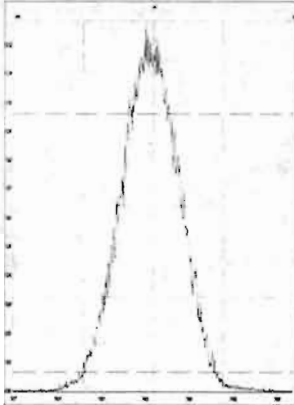
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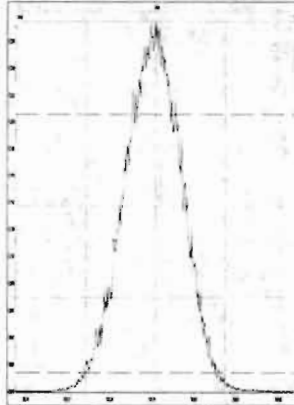
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Printed: Thursday, April 30, 2020 07:17:40 Pacific Daylight Time

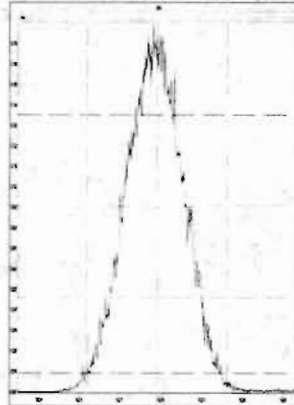
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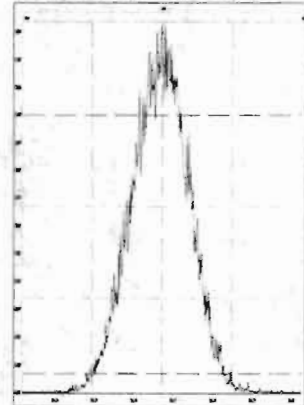
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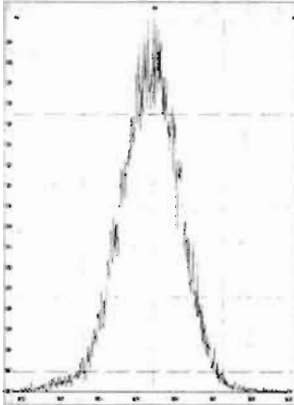
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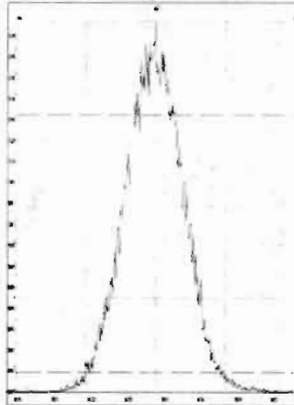
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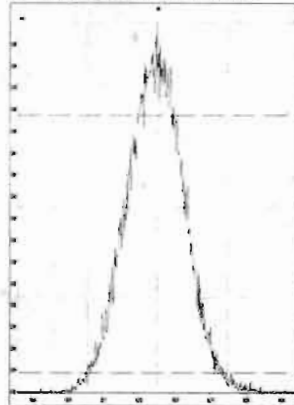
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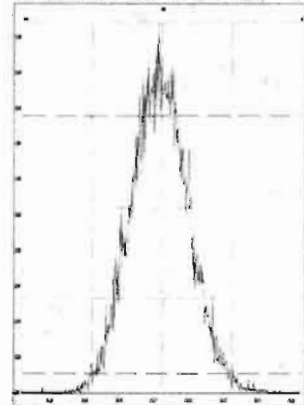
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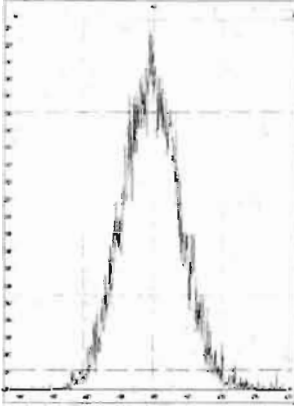
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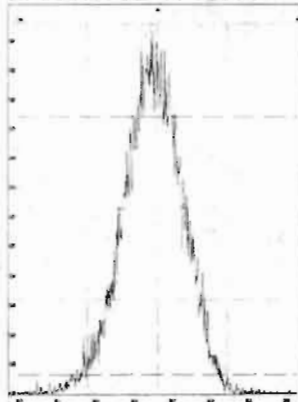
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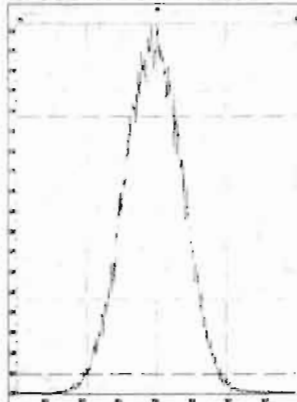
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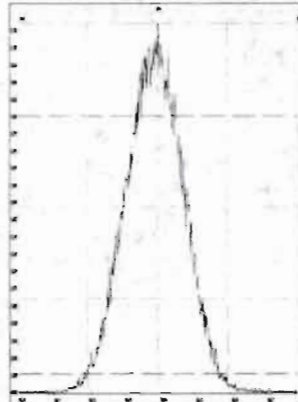
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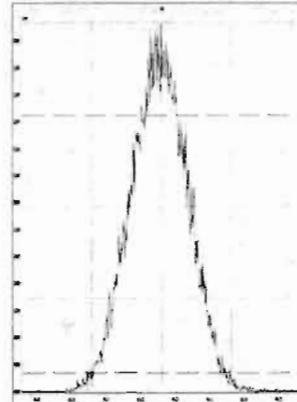
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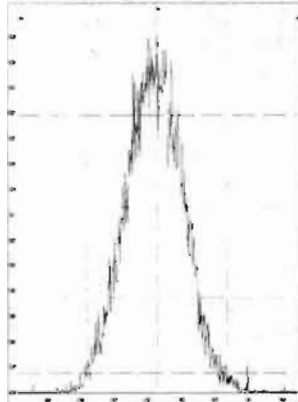
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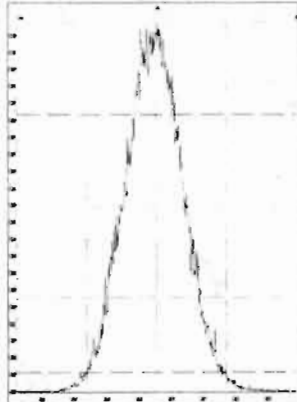
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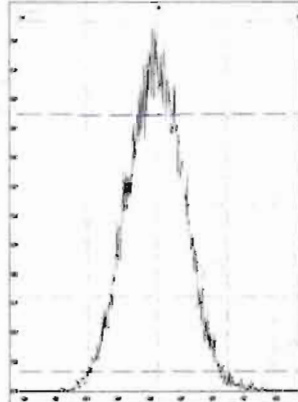
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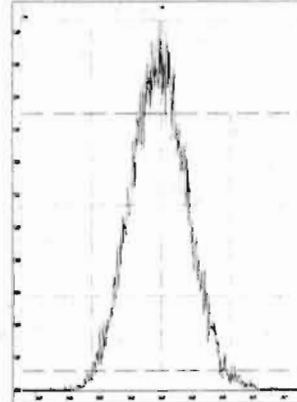
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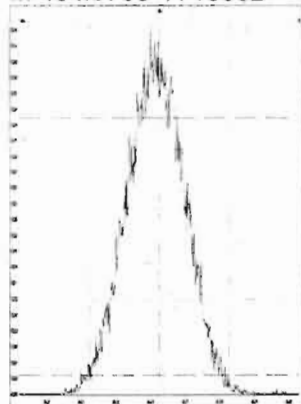
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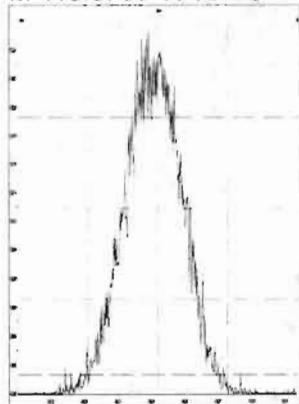
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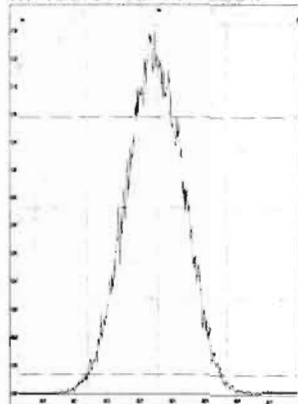
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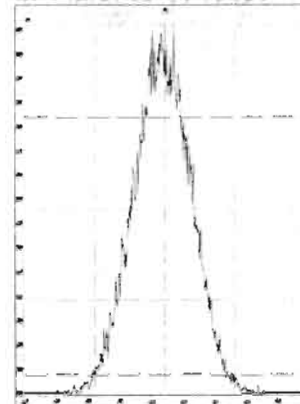
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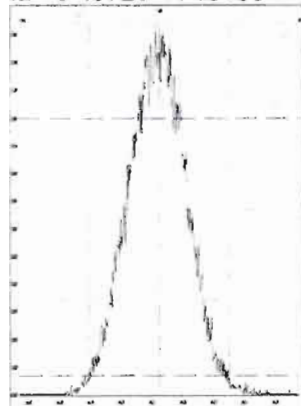
M 430.9728 R 10503



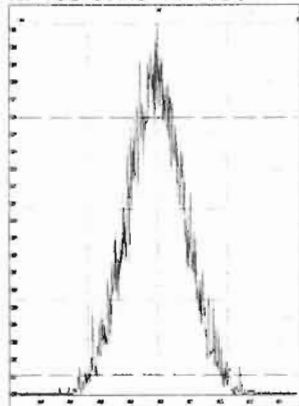
M 442.9728 R 10505



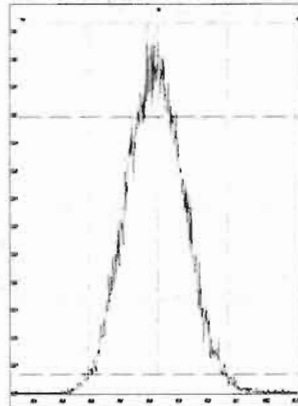
M 454.9728 R 10460



M 466.9728 R 10591



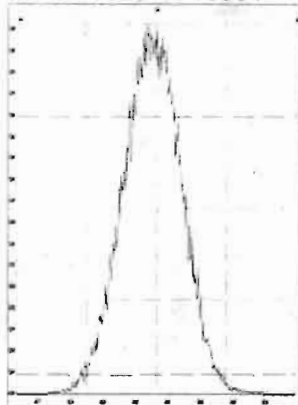
M 480.9696 R 10040



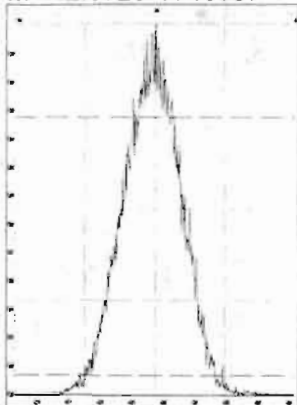
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, April 30, 2020 07:18:29 Pacific Daylight Time

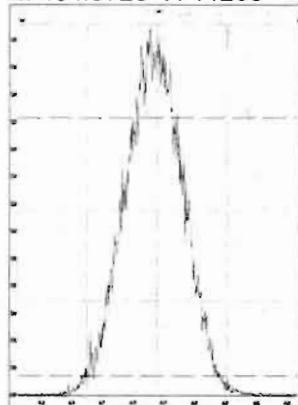
M 430.9728 R 10684



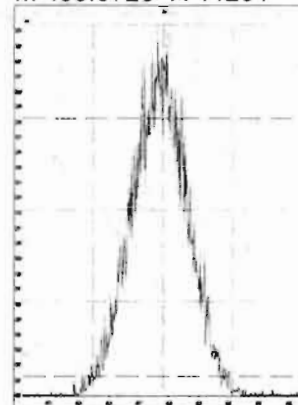
M 442.9728 R 10637



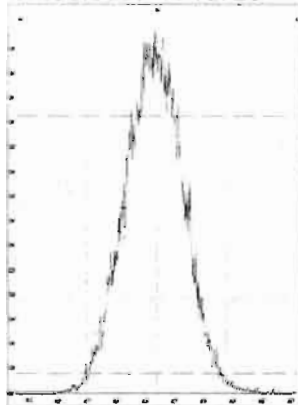
M 454.9728 R 11259



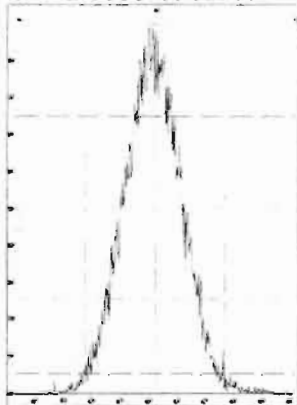
M 466.9728 R 11261



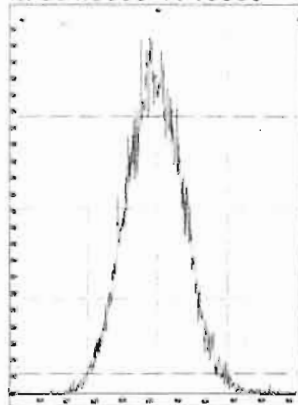
M 480.9696 R 10728



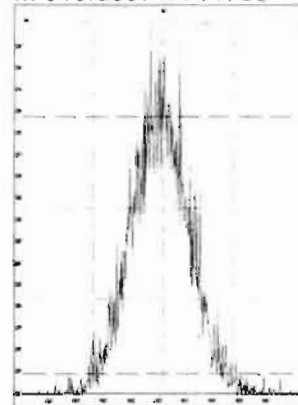
M 492.9696 R 10867



M 504.9696 R 10869



M 516.9697 R 11738



Dataset: U:\VG12.PRO\Results\200528R2\200528R2-CRV.qld

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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

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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

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: 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

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: 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

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: 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

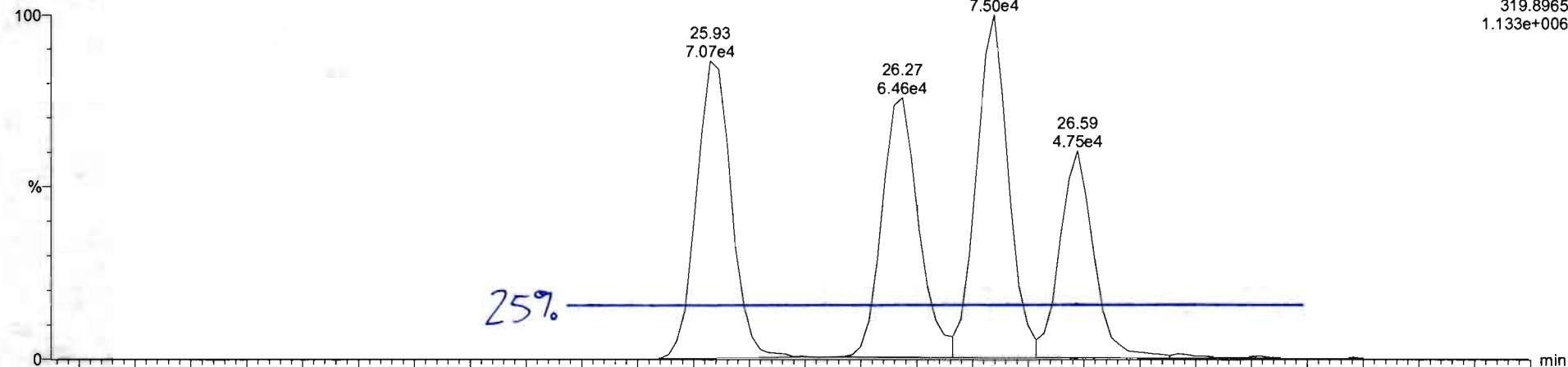
Method: U:\VG12.PRO\MethDB\CPSM.mdb 26 May 2020 10:39:11

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

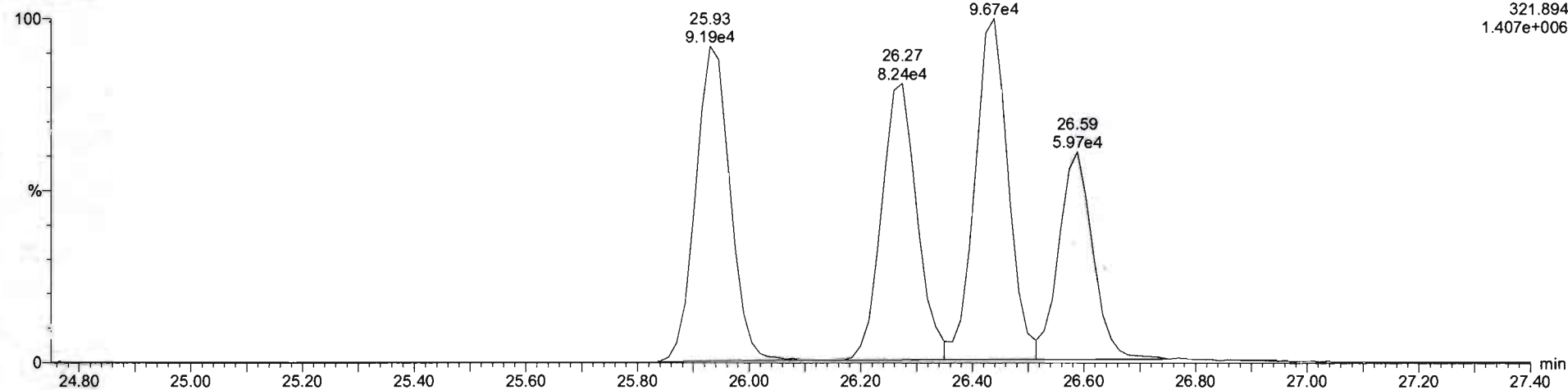
1,3,6,8-TCDD (First)

200528R2_6



F1:Voltage SIR,EI+
319.8965
1.133e+006

200528R2_6



F1:Voltage SIR,EI+
321.894
1.407e+006

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

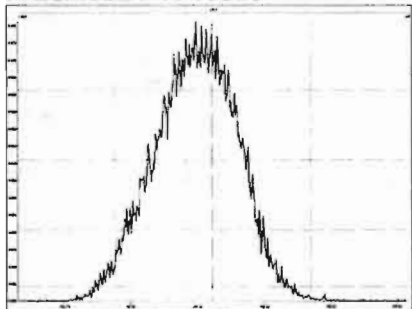
Experiment Calibration Report

MassLynx 4.1 SCN815

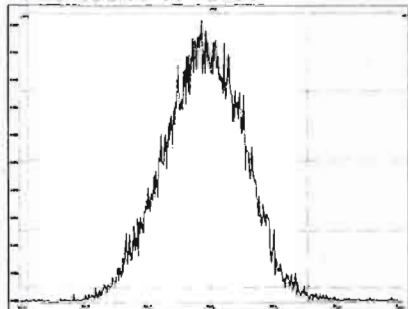
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Printed: Thursday, May 28, 2020 11:48:59 Pacific Daylight Time

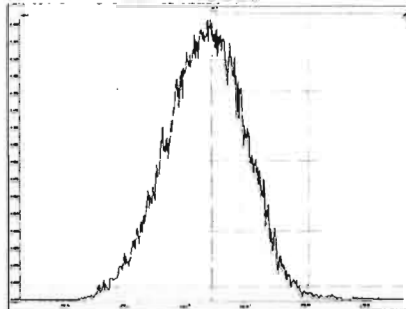
M 292.9824 R 10503



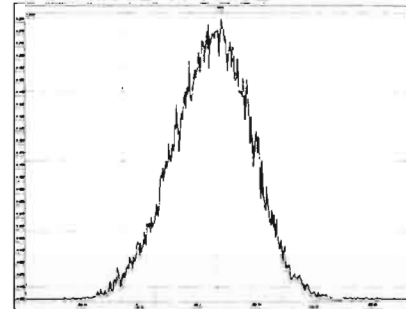
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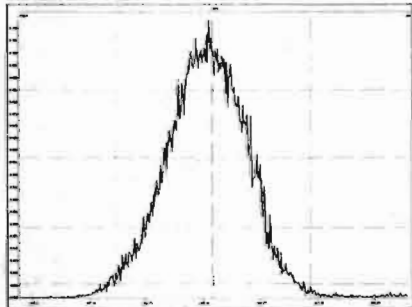
M 318.9792 R 10589



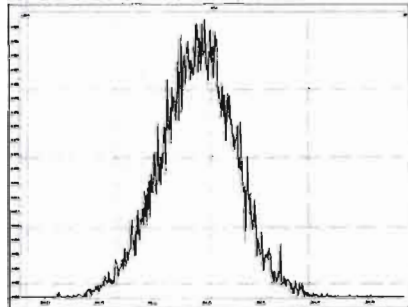
M 330.9792 R 10552



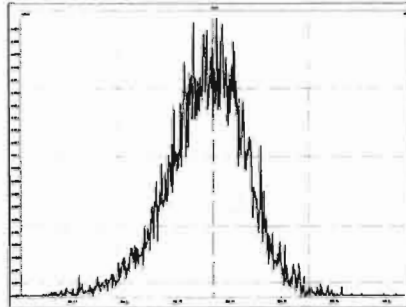
M 342.9792 R 10247



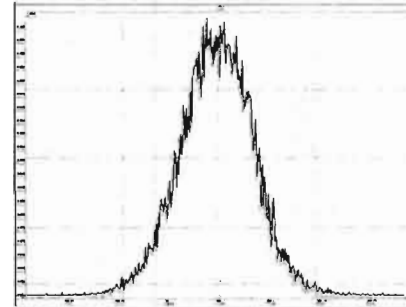
M 354.9792 R 10330



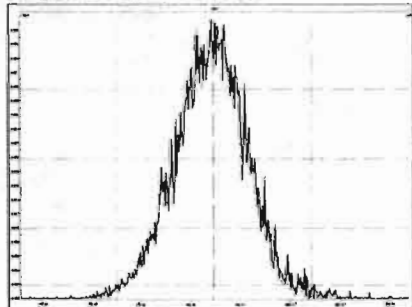
M 366.9792 R 11417



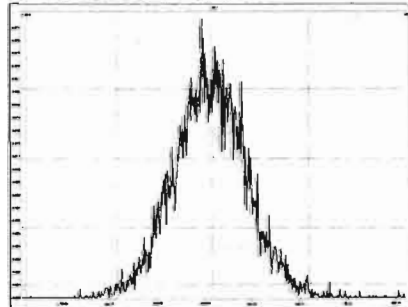
M 380.9760 R 11062



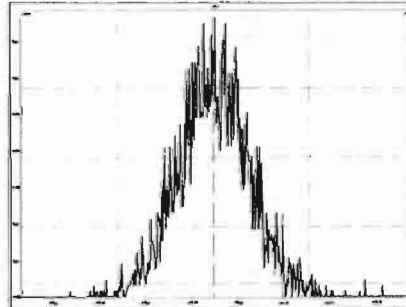
M 392.9760 R 11790



M 404.9760 R 12316



M 416.9760 R 12754



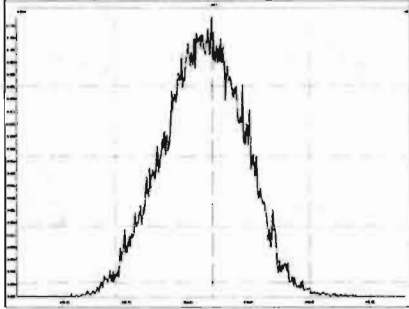
Experiment Calibration Report

MassLynx 4.1 SCN815

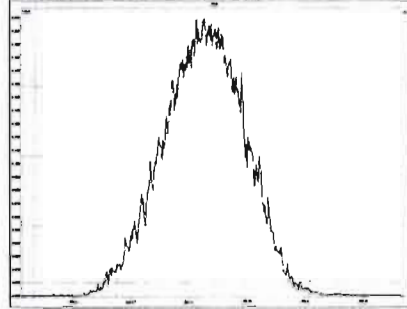
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, May 28, 2020 11:49:33 Pacific Daylight Time

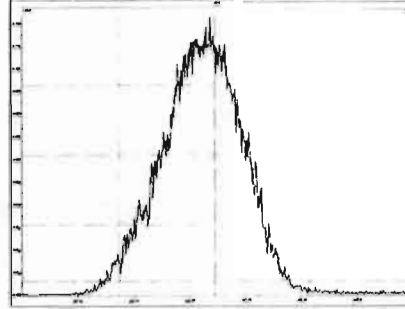
M 318.9792 R 10247



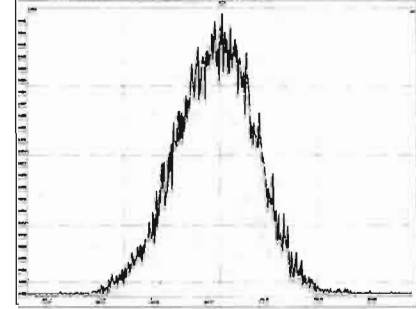
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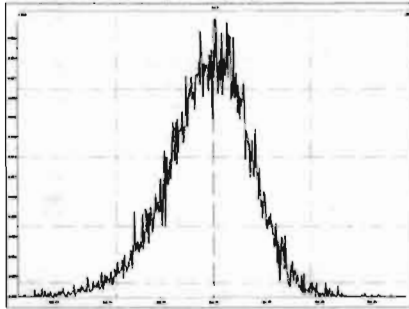
M 342.9792 R 10370



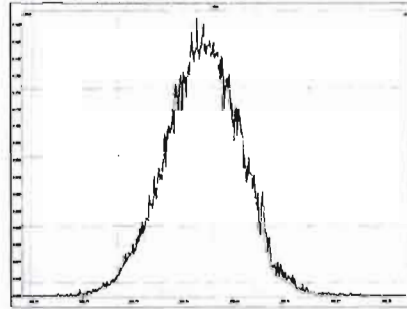
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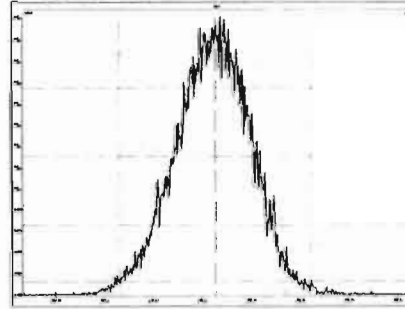
M 366.9792 R 10963



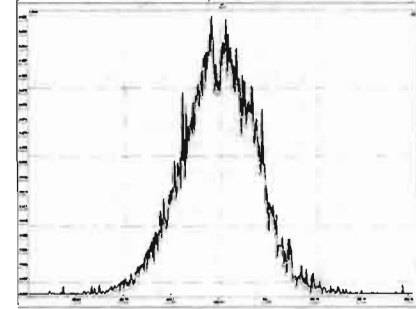
M 380.9760 R 10594



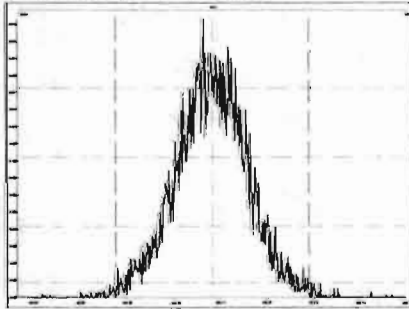
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M 404.9760 R 11845



M 416.9760 R 12018



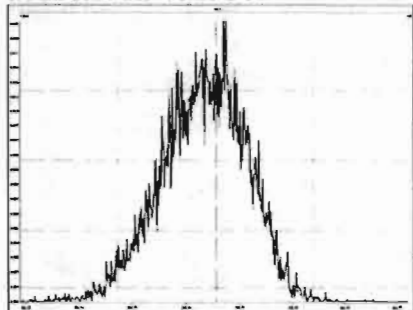
Experiment Calibration Report

MassLynx 4.1 SCN815

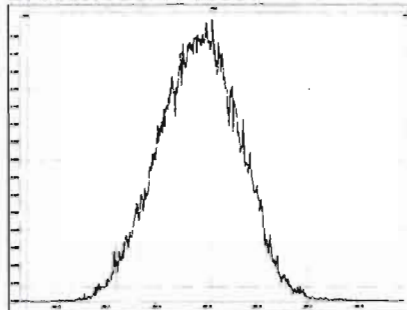
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Printed: Thursday, May 28, 2020 11:50:12 Pacific Daylight Time

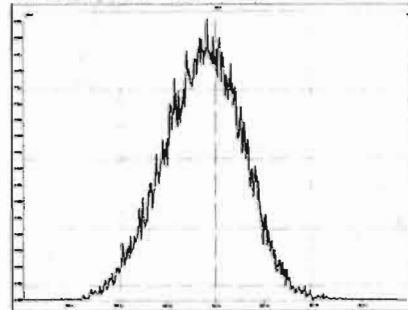
M 366.9792 R 10641



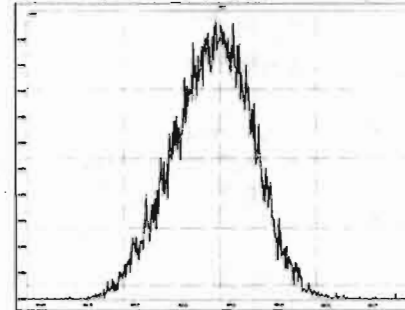
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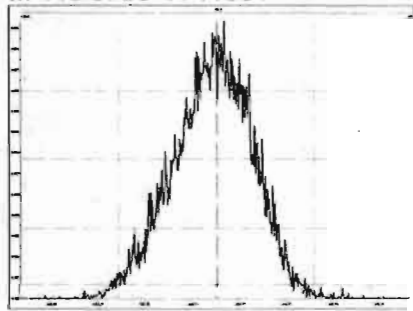
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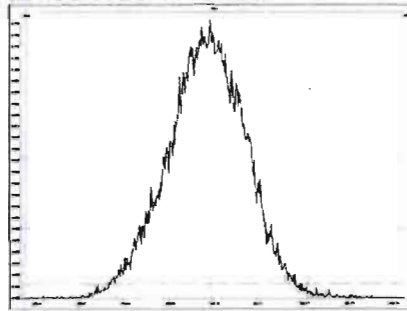
M 404.9760 R 10505



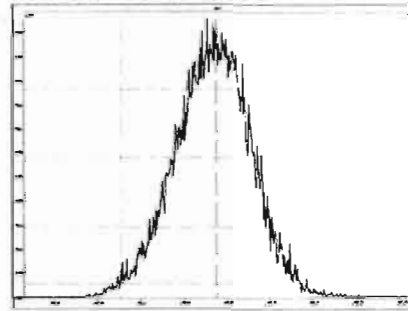
M 416.9760 R 11061



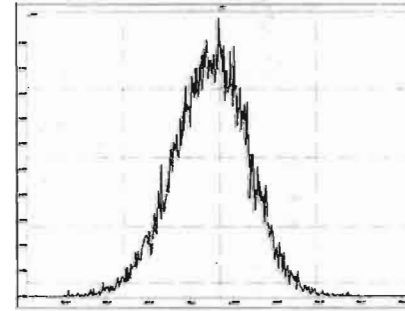
M 430.9728 R 10290



M 442.9728 R 10593



M 454.9728 R 10919



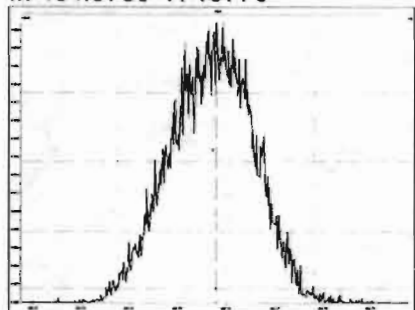
Experiment Calibration Report

MassLynx 4.1 SCN815

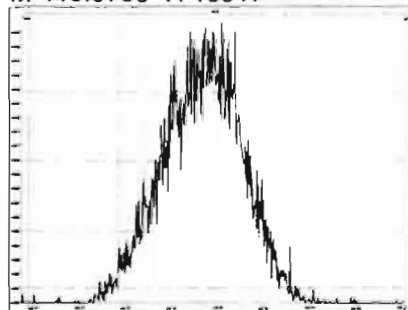
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Printed: Thursday, May 28, 2020 11:51:03 Pacific Daylight Time

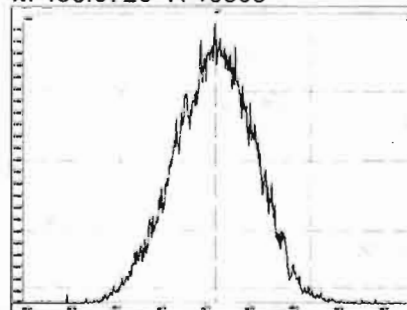
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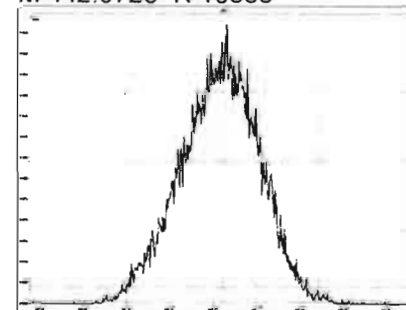
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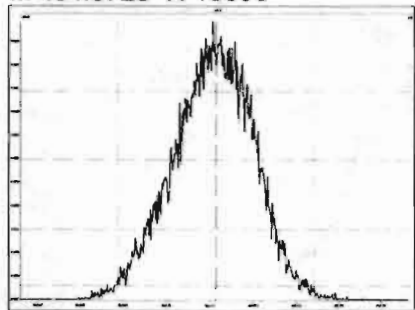
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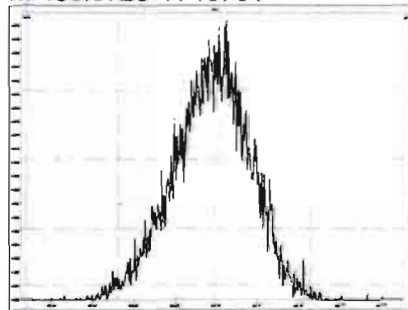
M 442.9728 R 10636



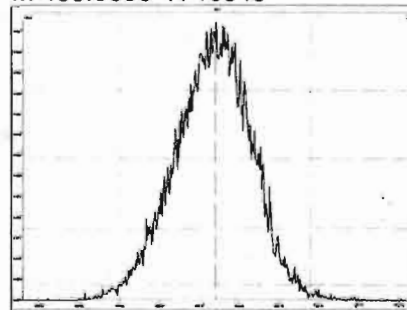
M 454.9728 R 10638



M 466.9728 R 10731



M 480.9696 R 10545



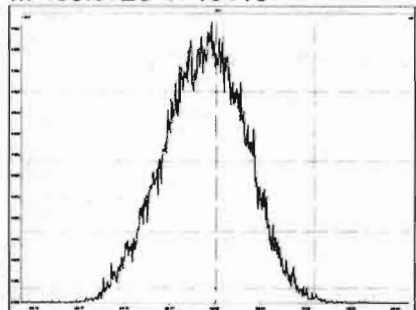
Experiment Calibration Report

MassLynx 4.1 SCN815

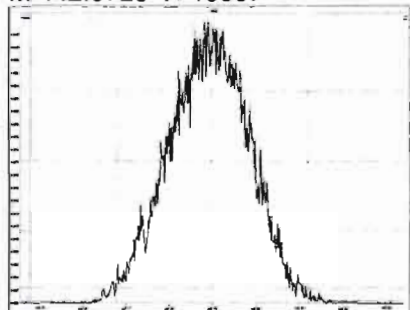
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Printed: Thursday, May 28, 2020 11:51:45 Pacific Daylight Time

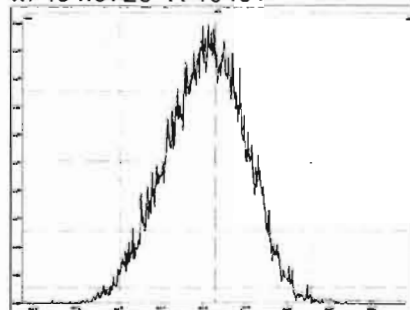
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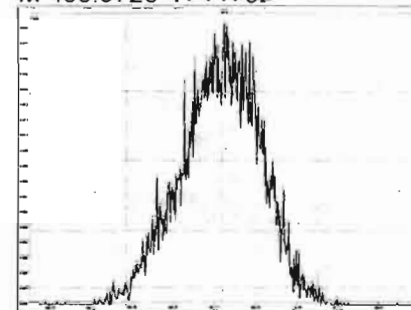
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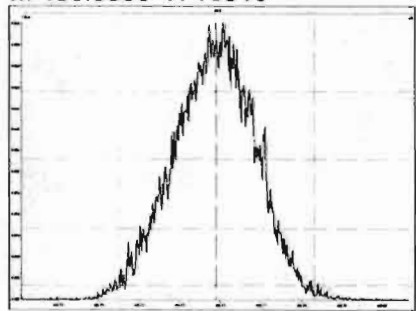
M 454.9728 R 10461



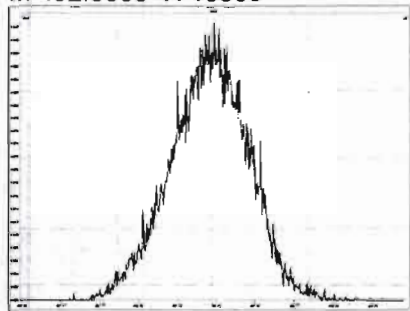
M 466.9728 R 11792



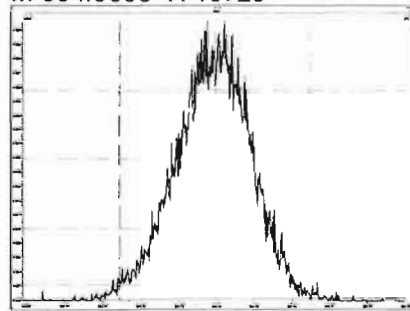
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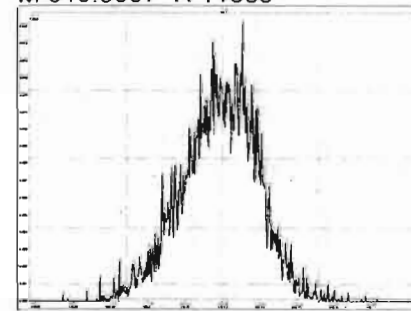
M 492.9696 R 10639



M 504.9696 R 10729



M 516.9697 R 11683



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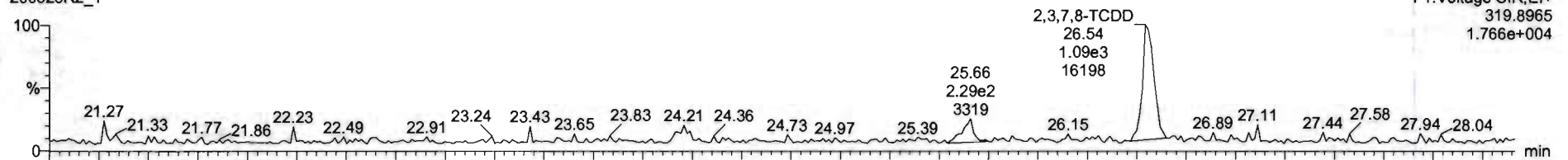
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

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Calibration: 29 May 2020 07:49:30

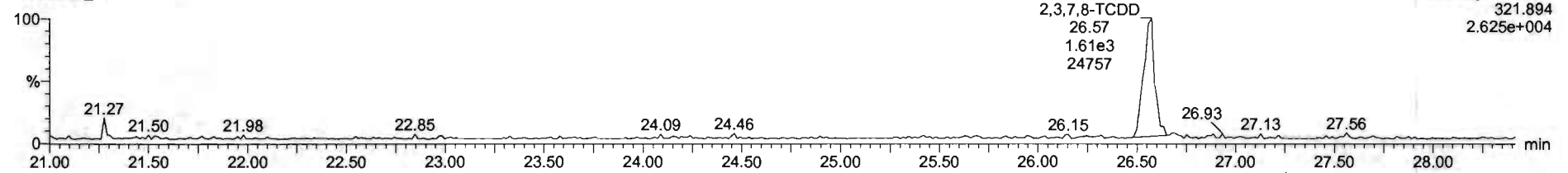
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2,3,7,8-TCDD

200528R2_1

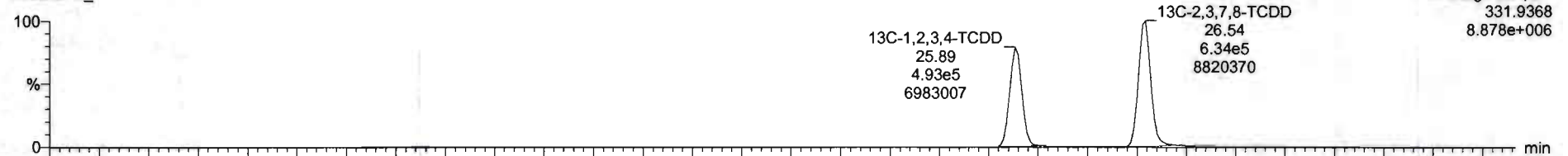


200528R2_1

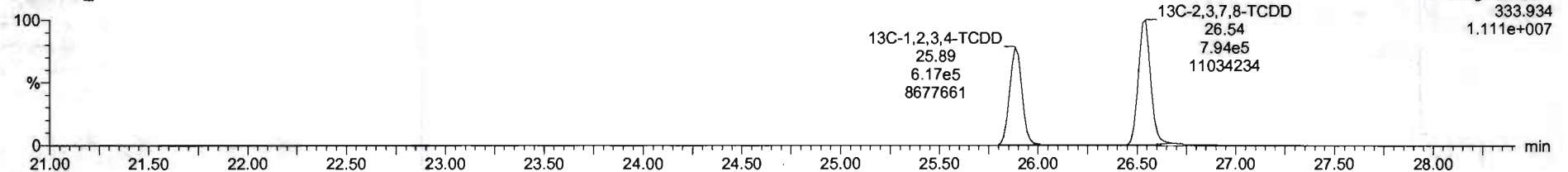


13C-2,3,7,8-TCDD

200528R2_1



200528R2_1



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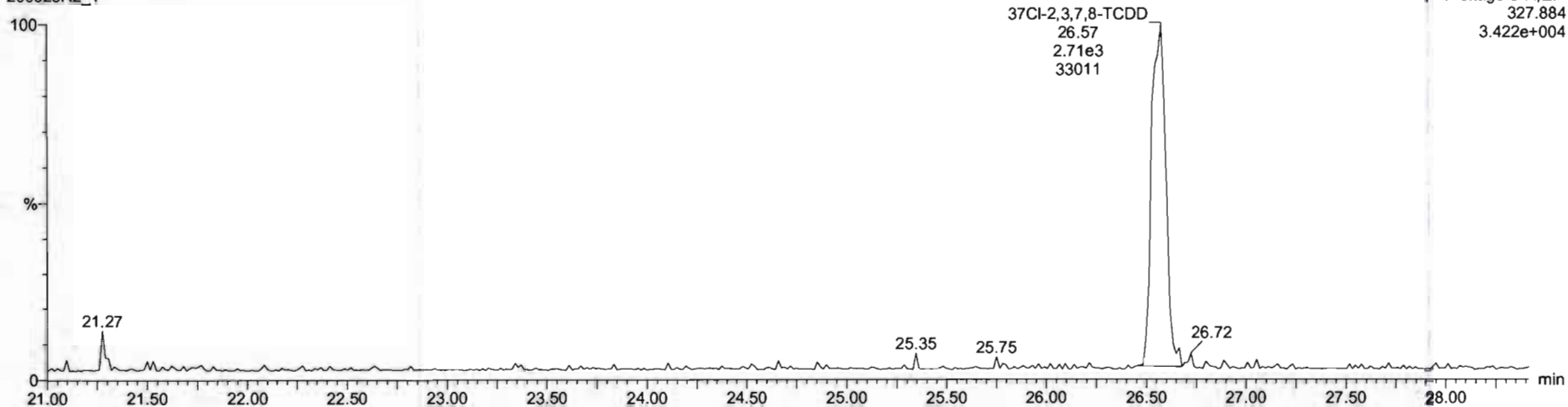
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37Cl-2,3,7,8-TCDD

200528R2_1

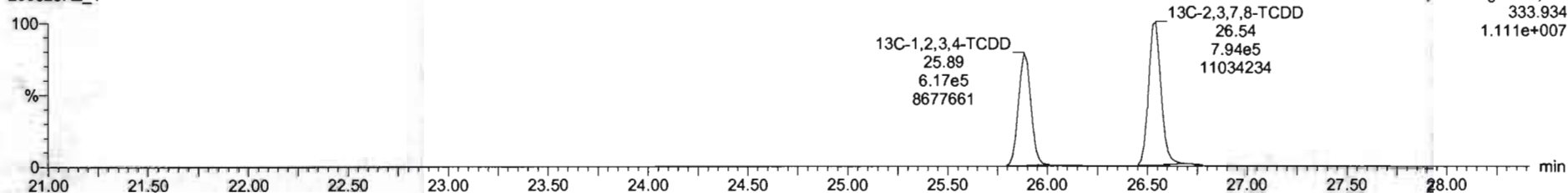


13C-1,2,3,4-TCDD

200528R2_1



200528R2_1



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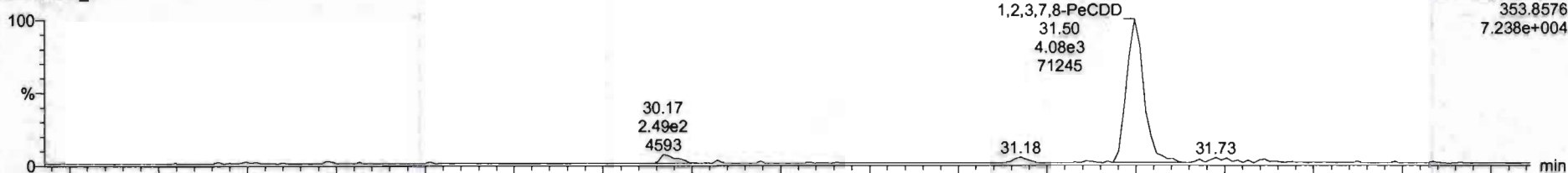
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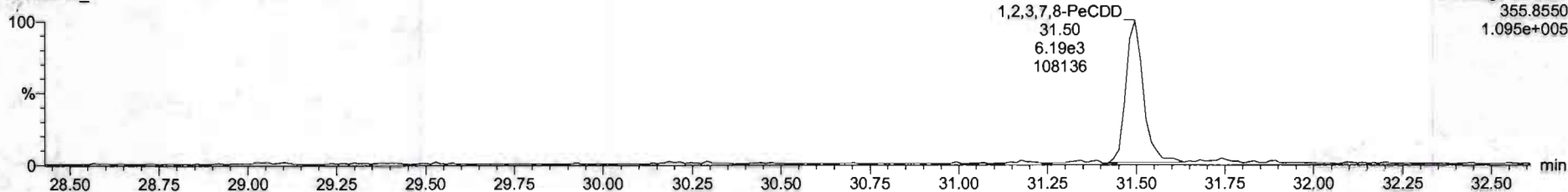
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1,2,3,7,8-PeCDD

200528R2_1

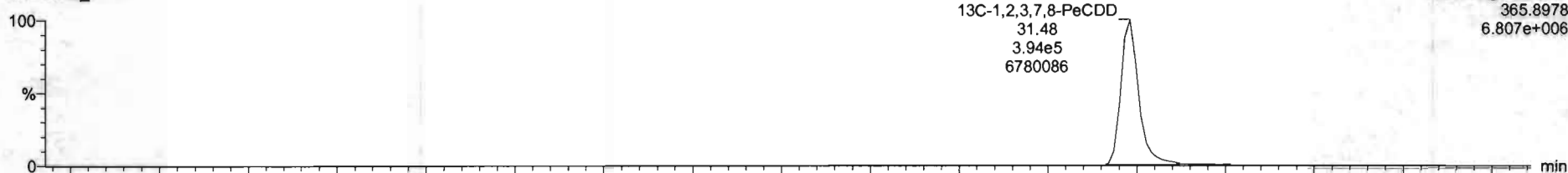


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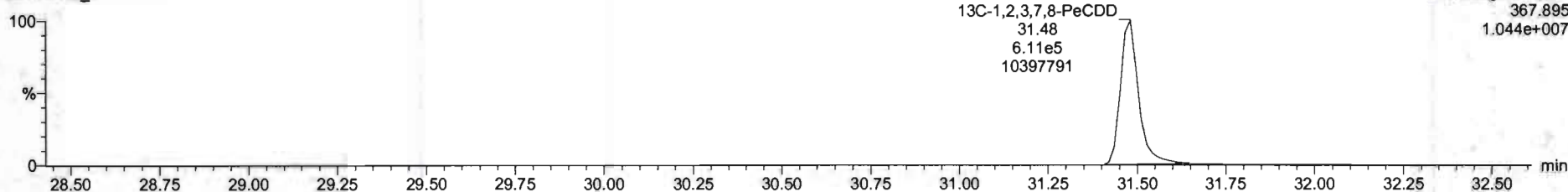


13C-1,2,3,7,8-PeCDD

200528R2_1



200528R2_1



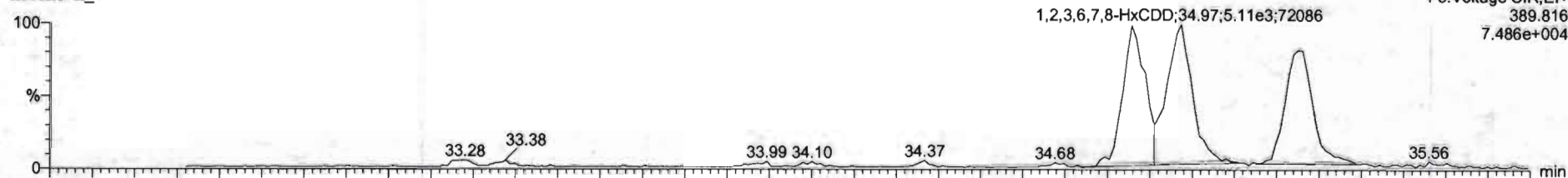
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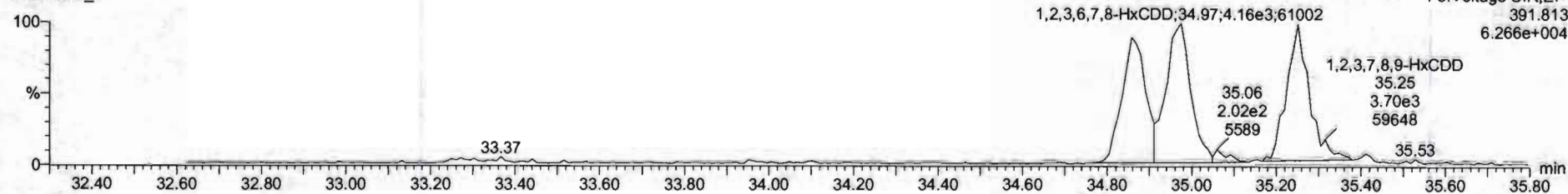
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1,2,3,4,7,8-HxCDD

200528R2_1

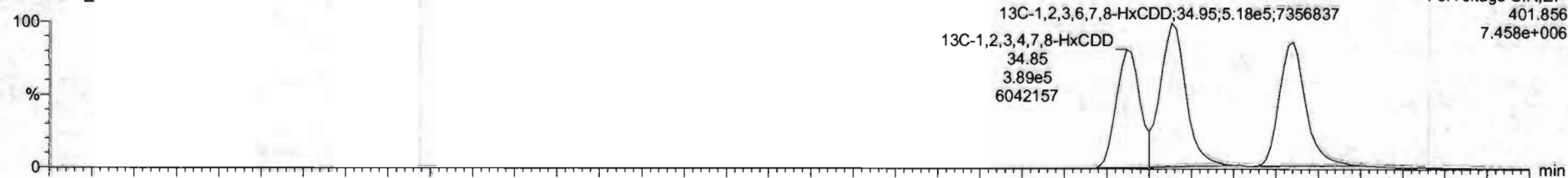


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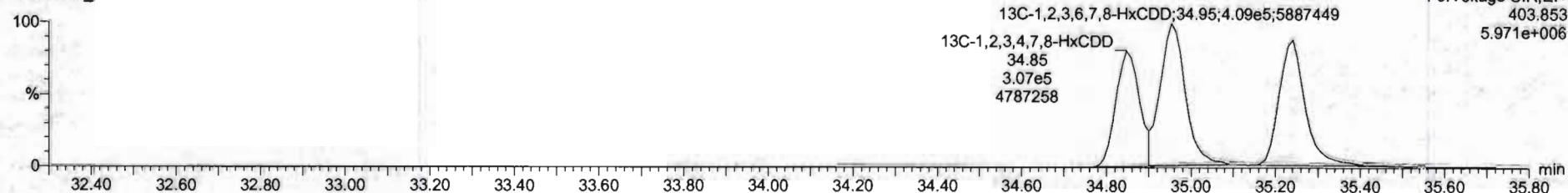


13C-1,2,3,4,7,8-HxCDD

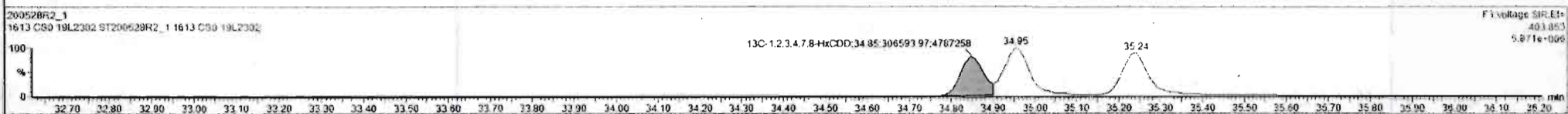
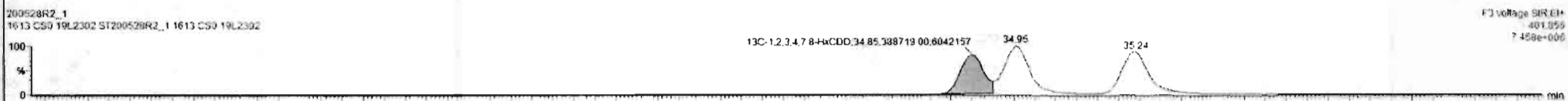
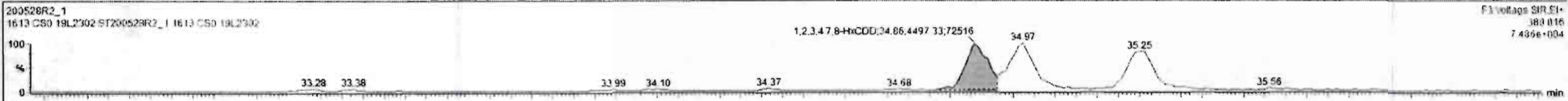
200528R2_1



200528R2_1



#	Name	Resp	RA	Qty	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	



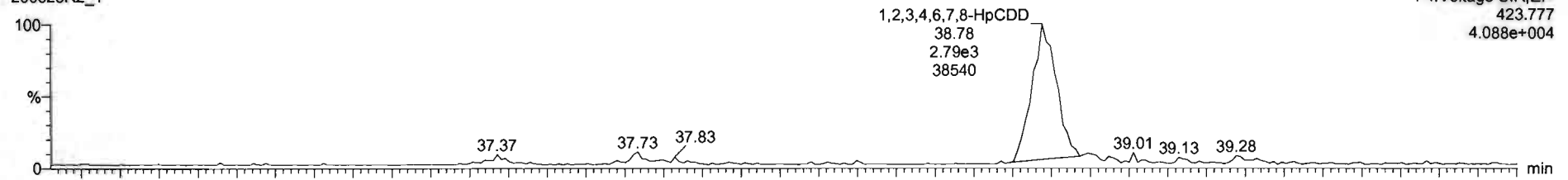
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

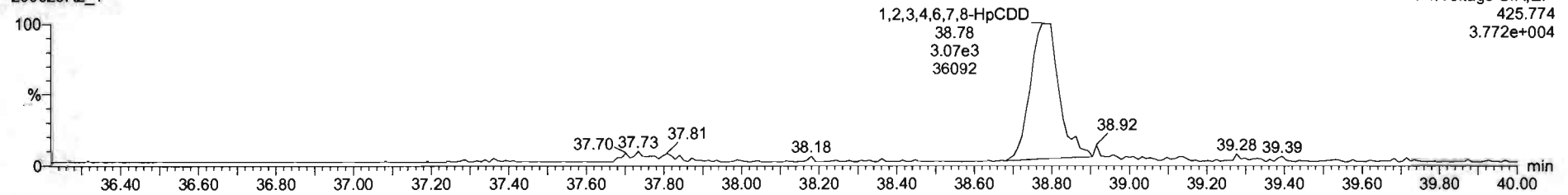
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1,2,3,4,6,7,8-HpCDD

200528R2_1

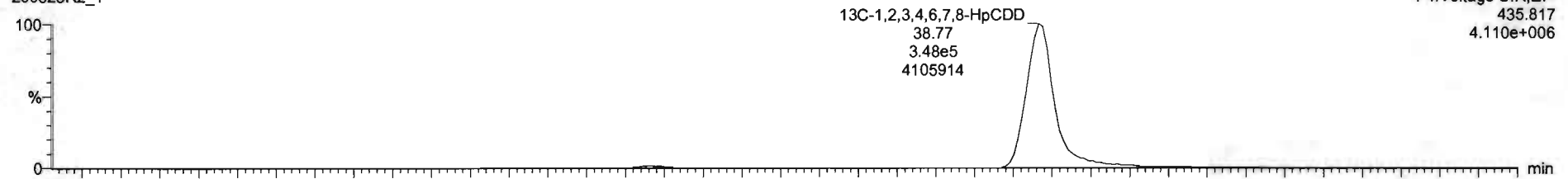


200528R2_1

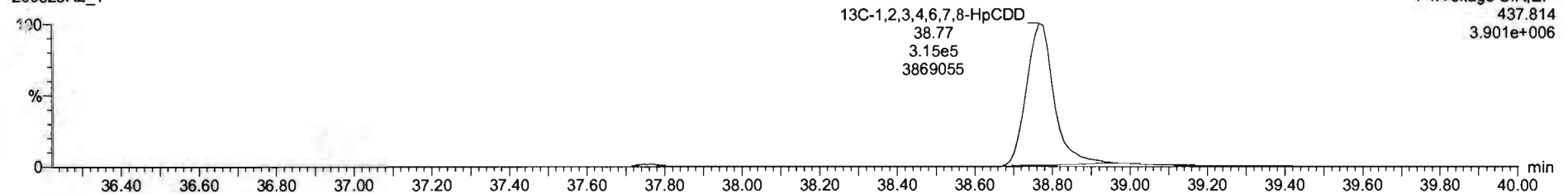


13C-1,2,3,4,6,7,8-HpCDD

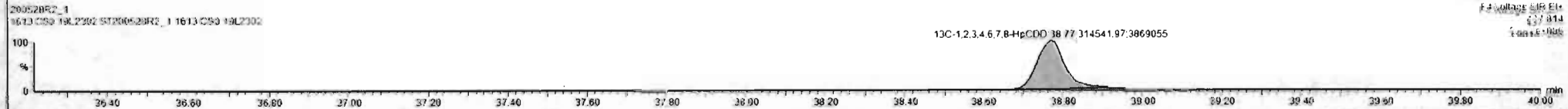
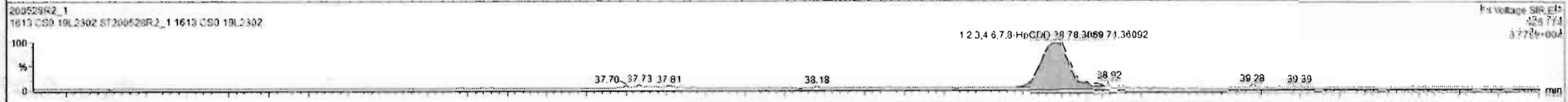
200528R2_1



200528R2_1



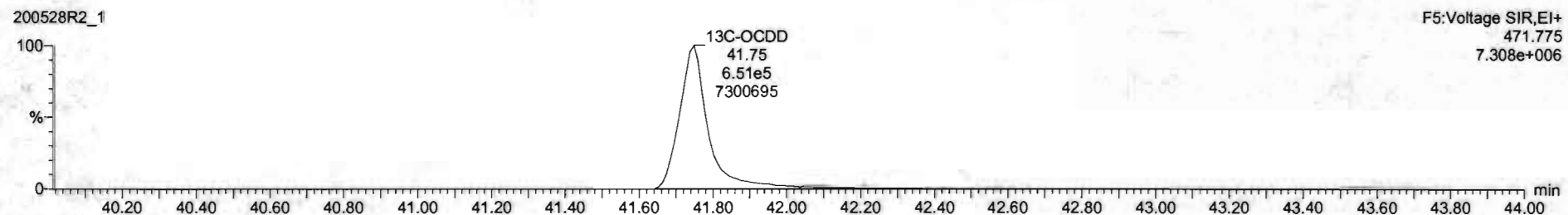
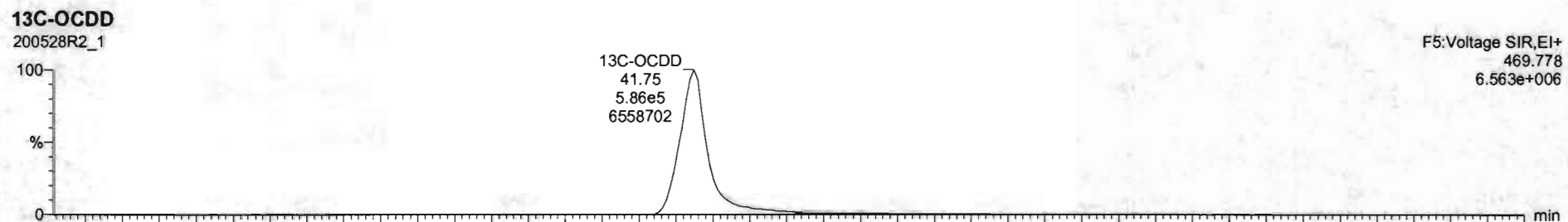
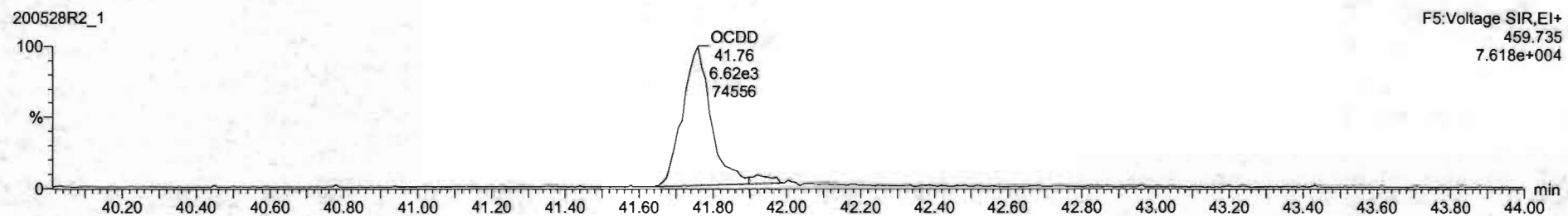
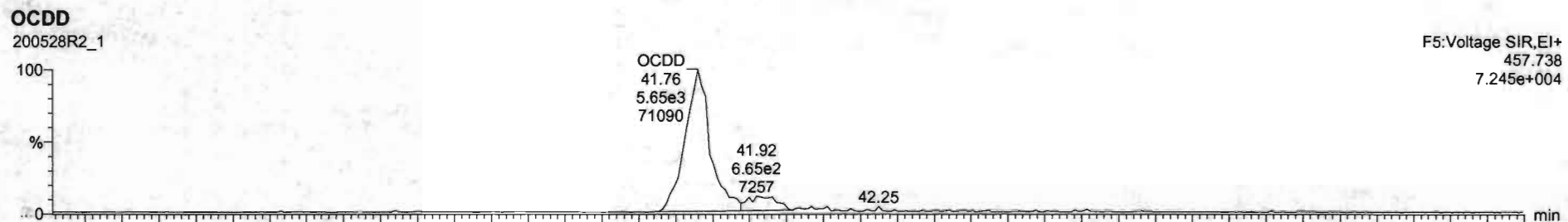
SI	Name	Reap	RA	ntf	RRF	wtdvol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.70e3	0.58	NO	0.8583	1.000	26.54	1.000	0.212	88.2	0.0247	0.212
2	1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9081	1.000	31.50	1.000	1.12	90.0	0.0282	1.12
3	1,2,3,4,7,8-HxCDD	5.02e3	1.27	NO	1.0324	1.000	34.86	1.000	1.12	69.4	0.0426	1.12
4	1,2,3,6,7,8-HxCDD	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	88.2	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	



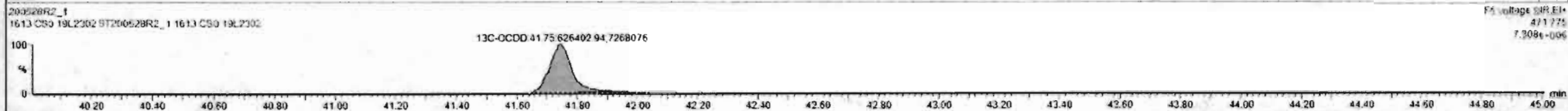
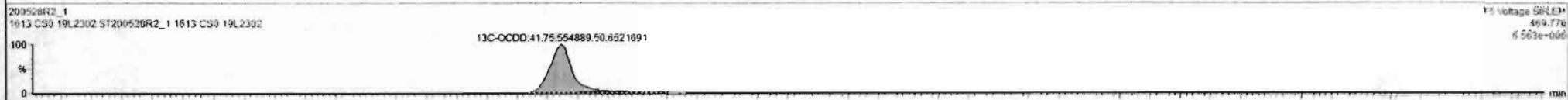
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

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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200528R2_1

CAP NUM

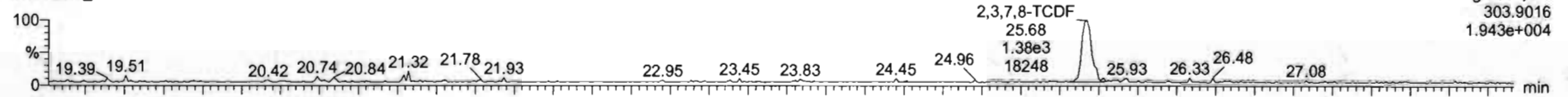
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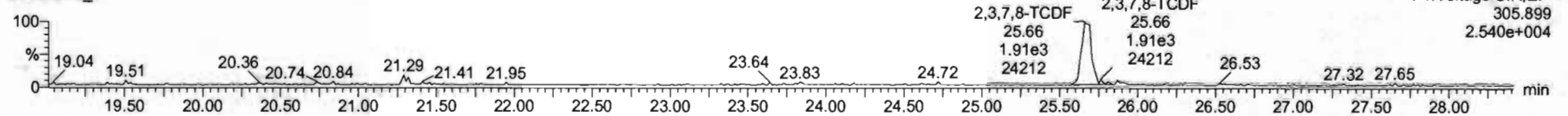
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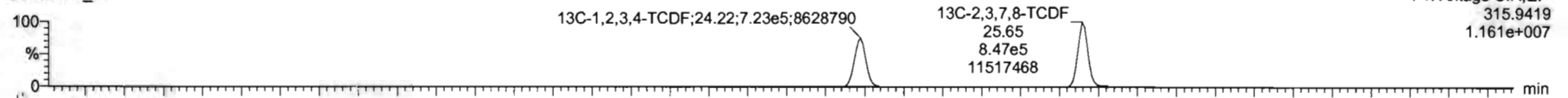


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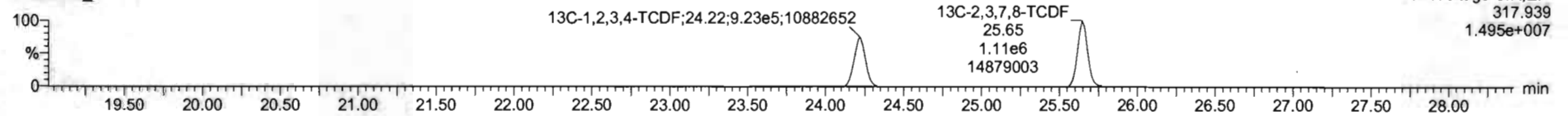


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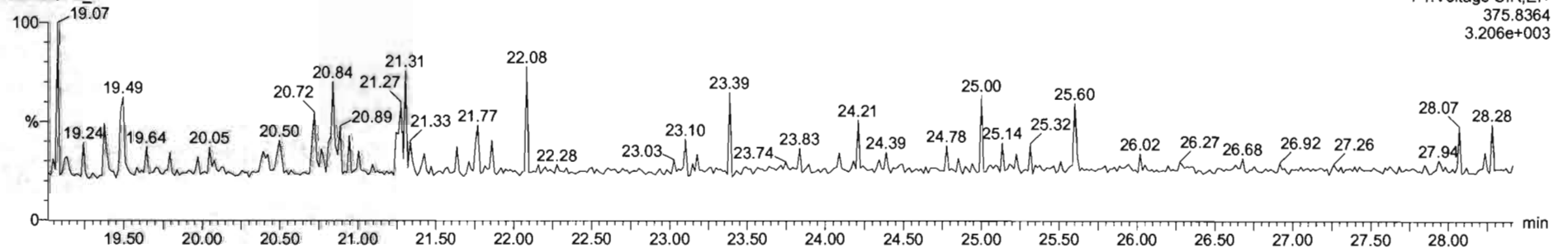


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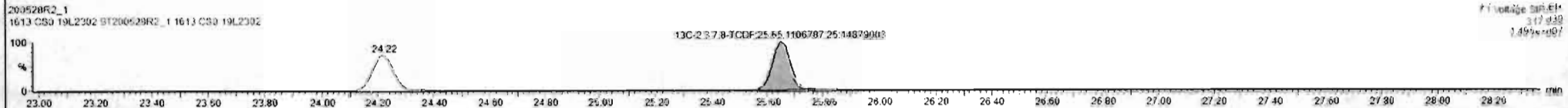
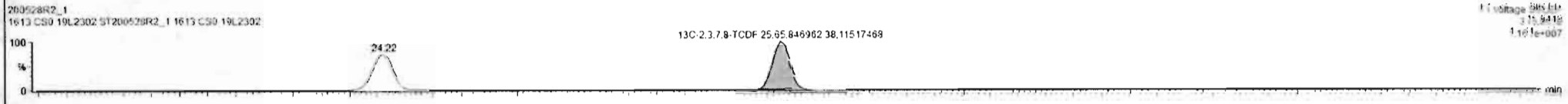
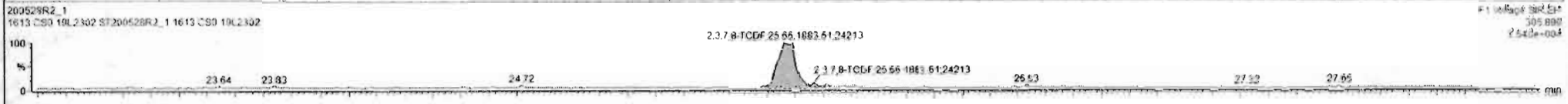
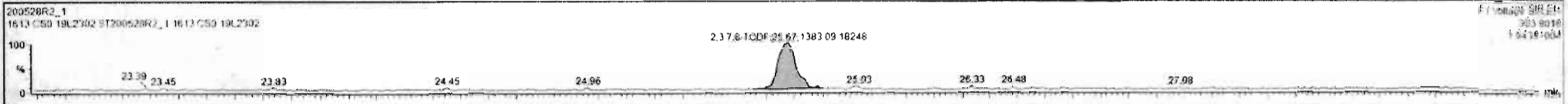


DPE1

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	1.0334	1.000	34.96	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	34.97	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	35.25	1.000	1.10	88.1	0.0454	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	90.9	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	1.006	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	33.99	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	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	7.48e3	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	0.0624	1.09
16	1,2,3,4,7,8,9-HpCDF	5.26e3	0.99	NO	1.0126	1.000	39.33	1.001	1.02	61.6	0.0523	1.02
17	OCDF	1.27e4	0.87	NO	0.8065	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	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	168	168	0.243	



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200528R2_1 CAP NUM

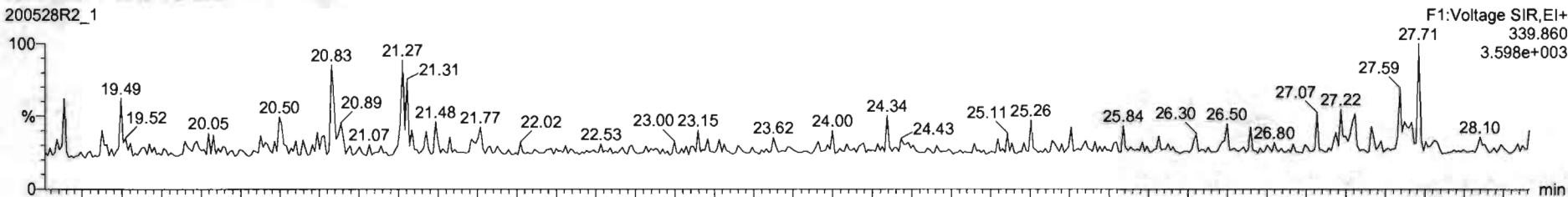
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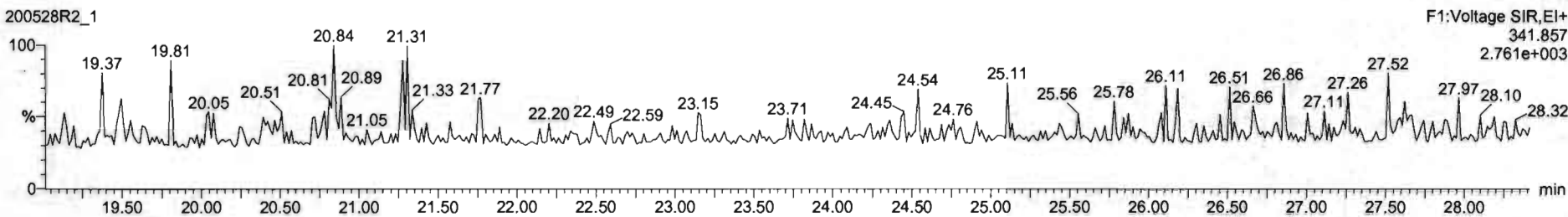
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1st Func. Penta-Furans

200528R2_1

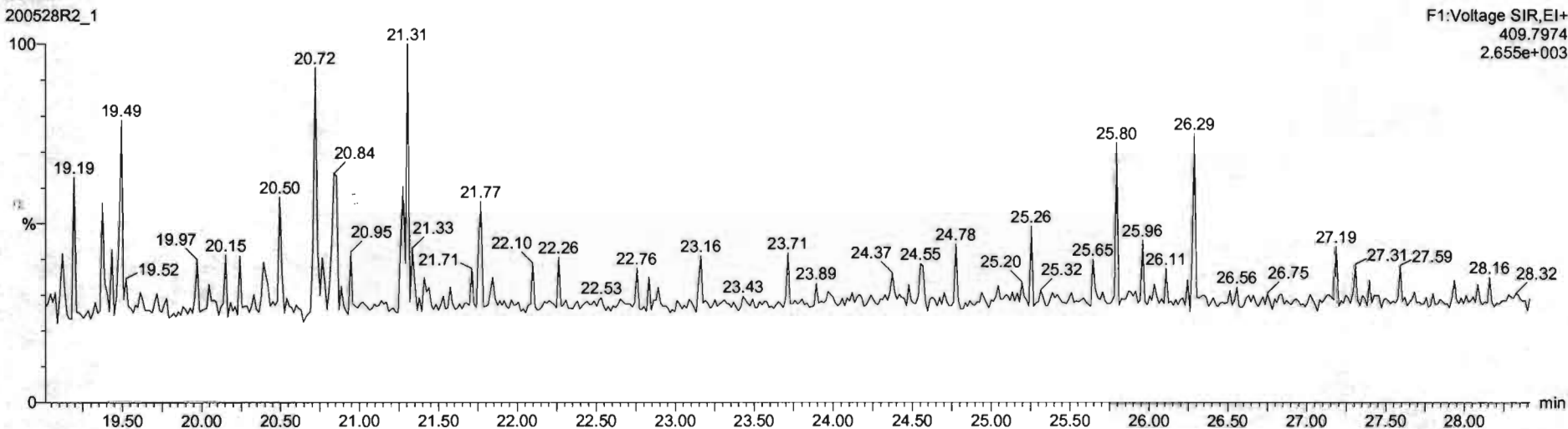


200528R2_1



DPE6

200528R2_1



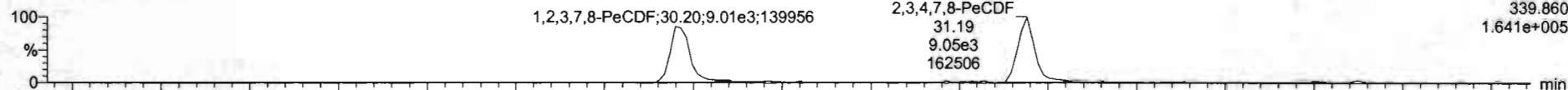
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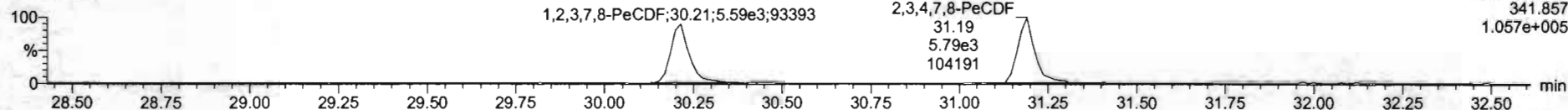
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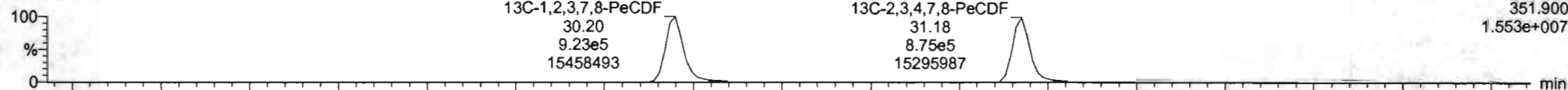


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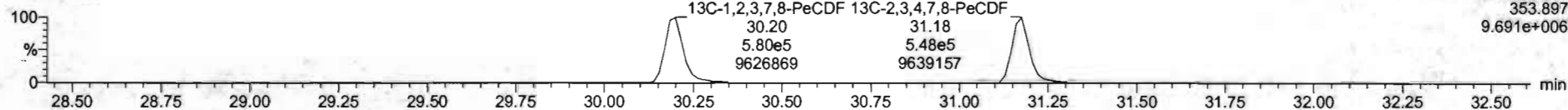


13C-1,2,3,7,8-PeCDF

200528R2_1

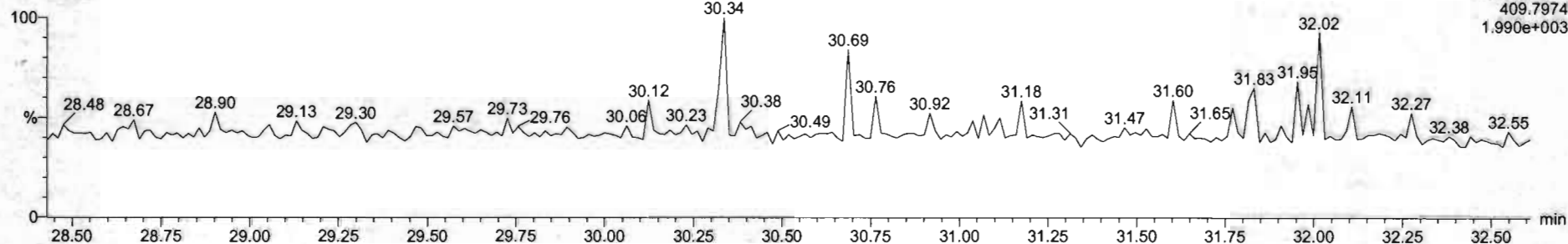


200528R2_1



DPE2

200528R2_1



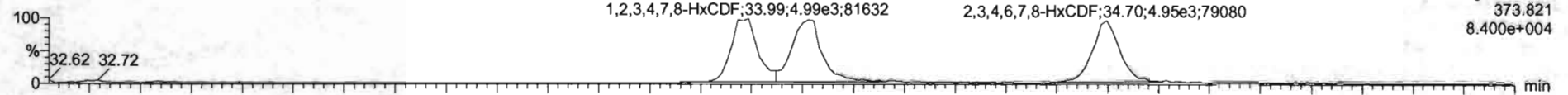
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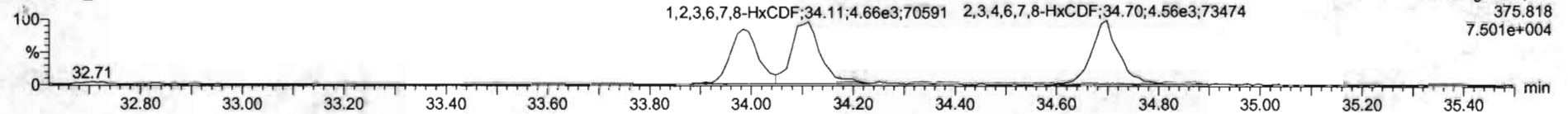
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F3:Voltage SIR,EI+
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8.400e+004

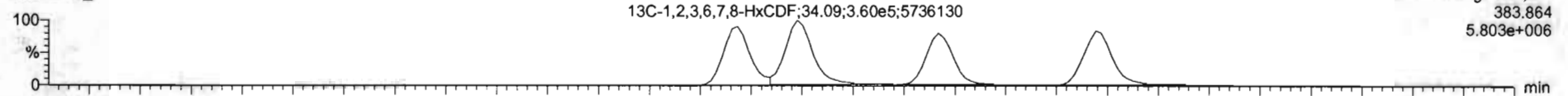
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7.501e+004

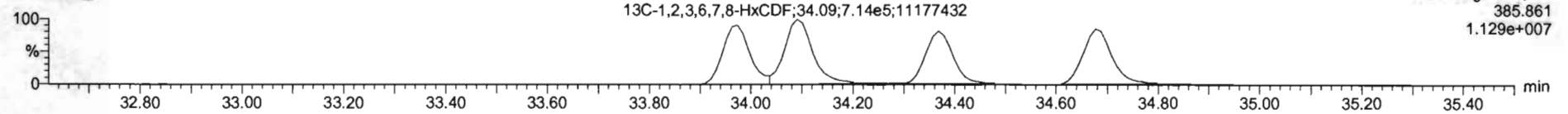
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F3:Voltage SIR,EI+
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5.803e+006

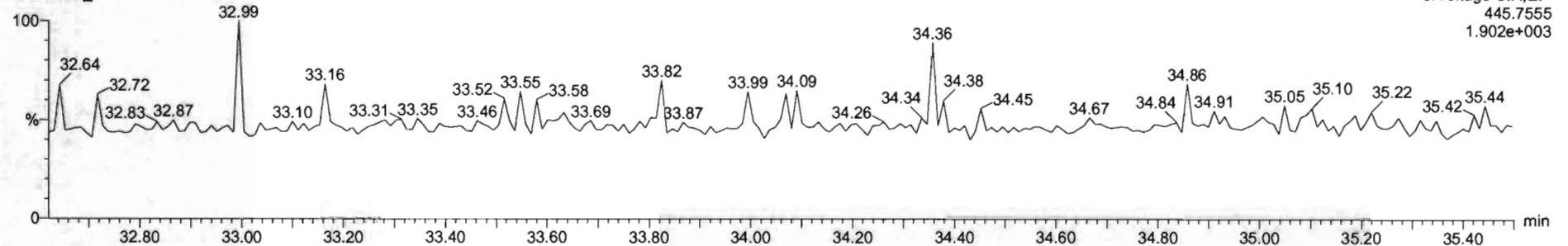
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F3:Voltage SIR,EI+
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1.129e+007

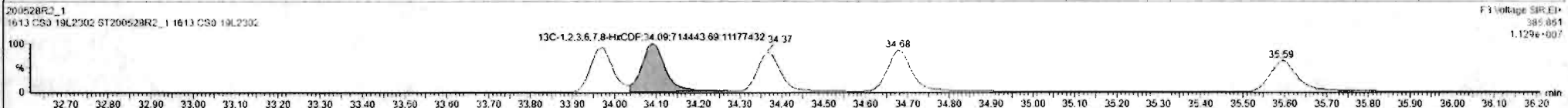
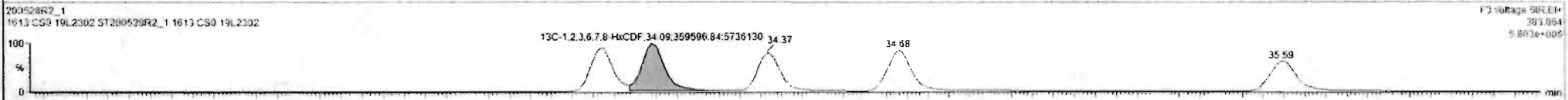
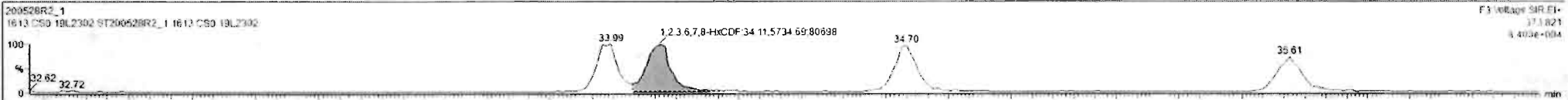
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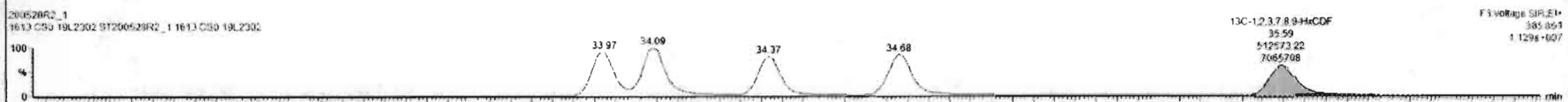
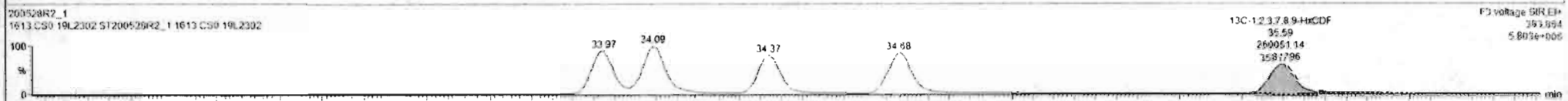


F3:Voltage SIR,EI+
445.7555
1.902e+003

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	0.9126	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	26.67	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	0.30	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	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-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	

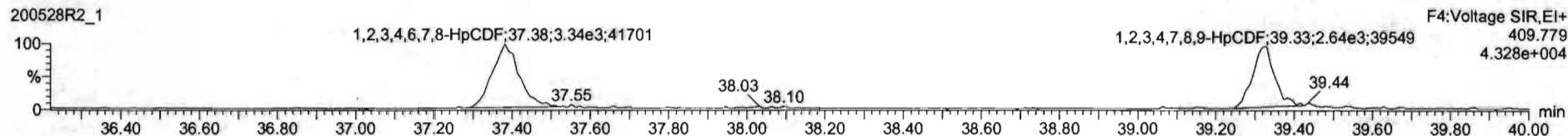
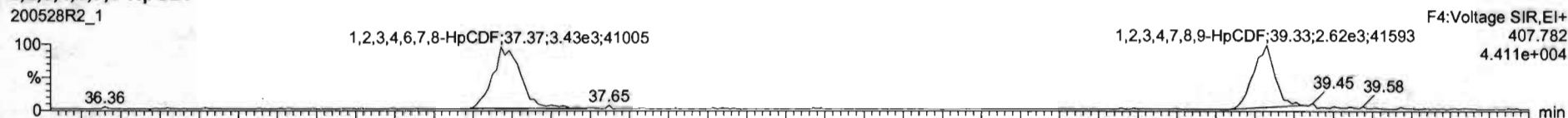


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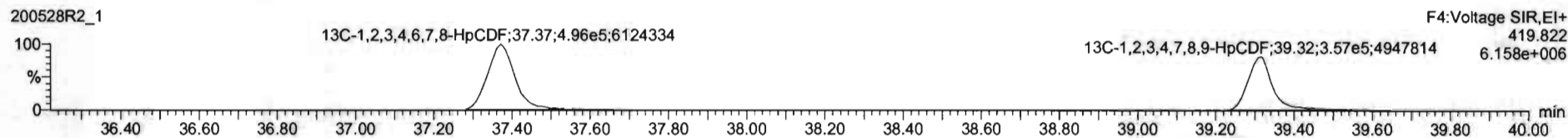
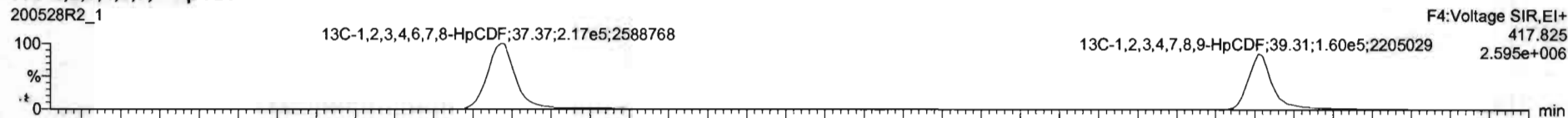
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_1, Date: 28-May-2020, Time: 11:53:52, ID: ST200528R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

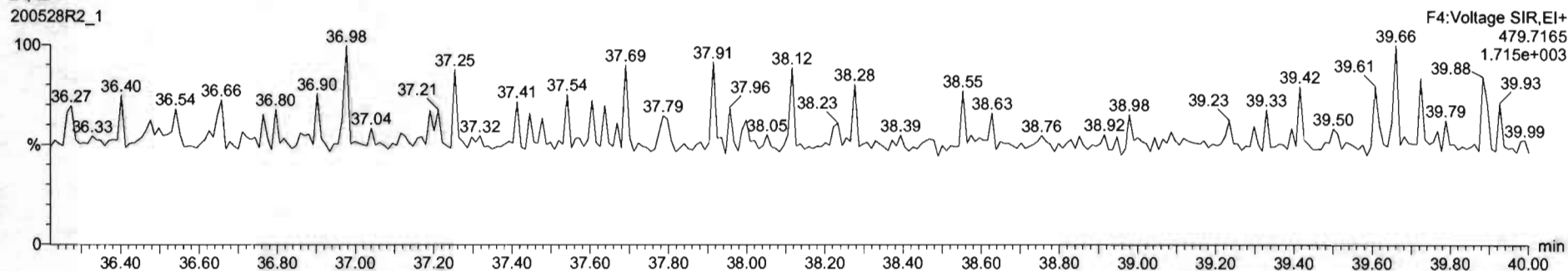
1,2,3,4,6,7,8-HpCDF



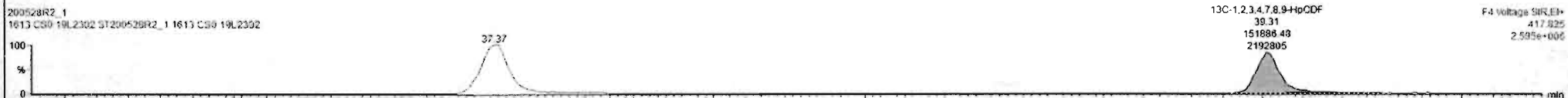
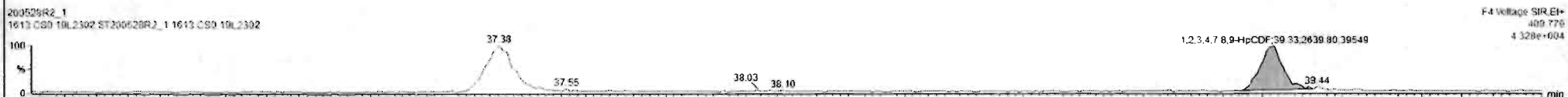
13C-1,2,3,4,6,7,8-HpCDF



CPE4



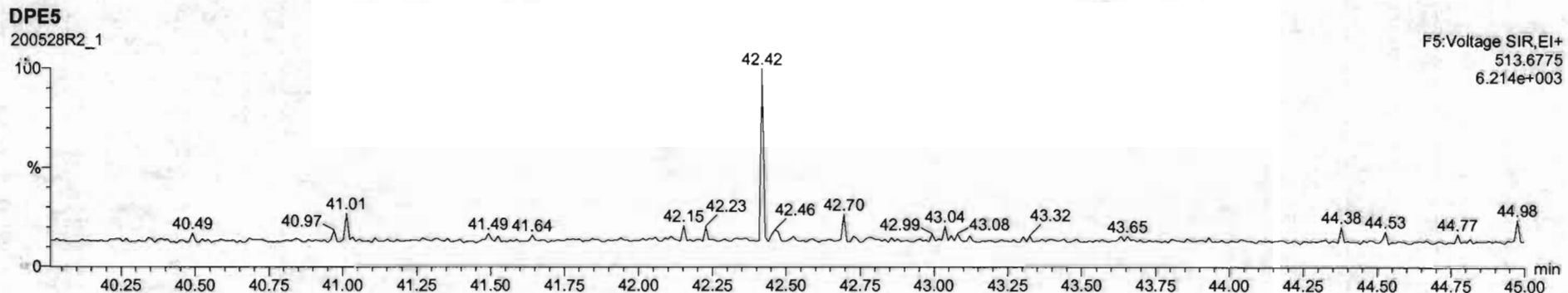
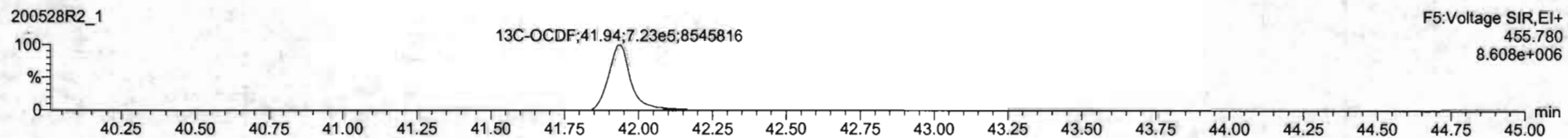
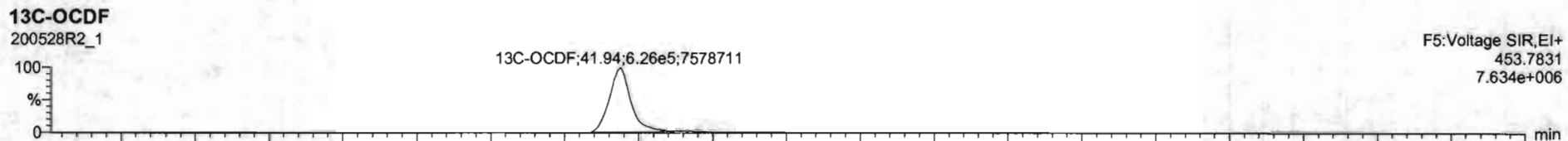
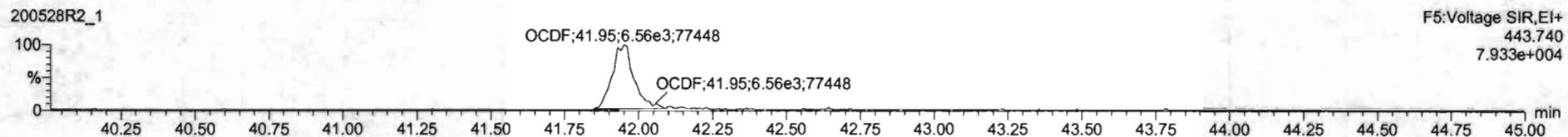
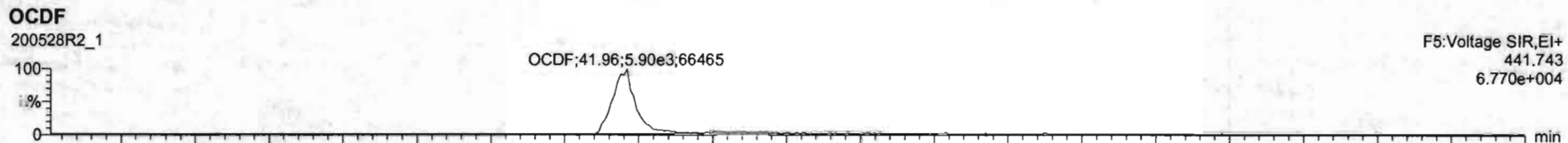
Name	Resp	RA	nBy	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.79e3	0.68	NO	0.8883	1.000	26.54	1.000	0.213	85.2	0.0247	0.213
2 1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.6081	1.000	31.50	1.000	1.12	90.0	0.0292	1.13
3 1,2,3,4,7,8-HxCDD	8.02e3	1.27	NO	1.0334	1.000	34.86	1.000	1.12	89.4	0.0426	1.12
4 1,2,3,6,7,8-HxCDD	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	39.35	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	



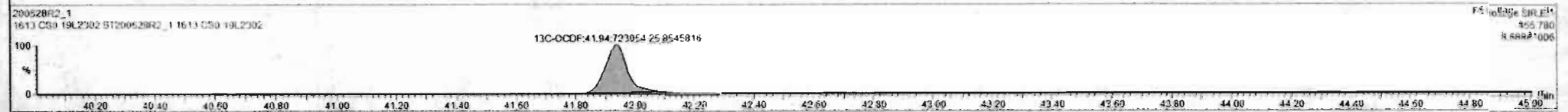
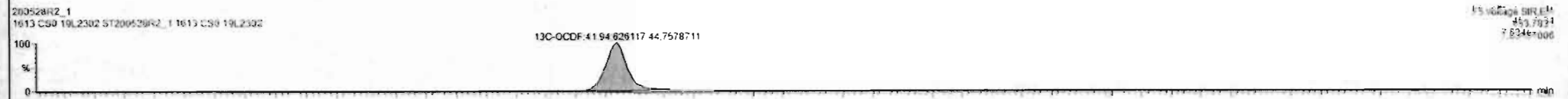
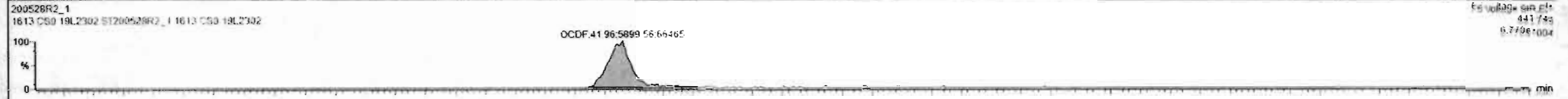
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_1, Date: 28-May-2020, Time: 11:53:52, ID: ST200528R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302



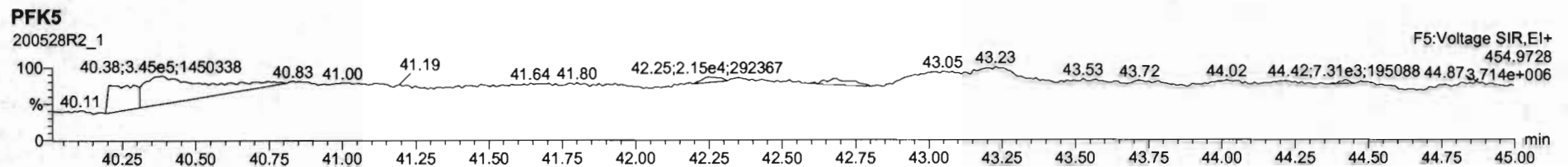
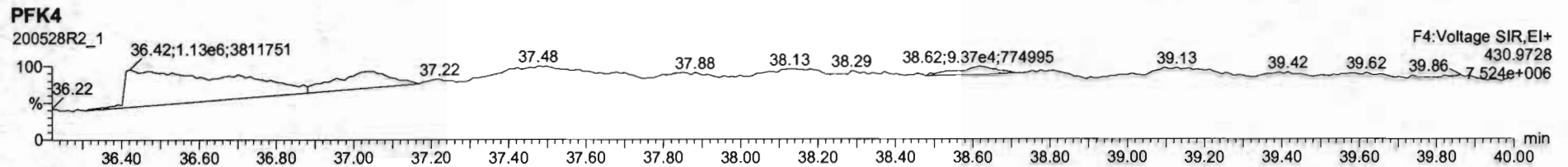
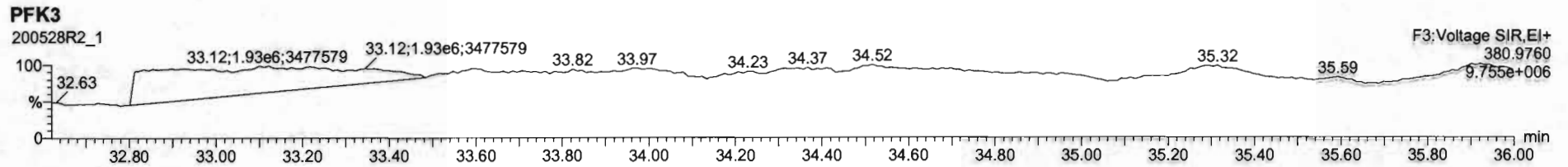
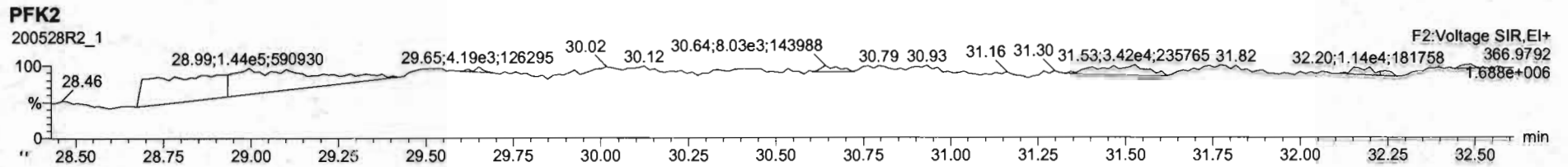
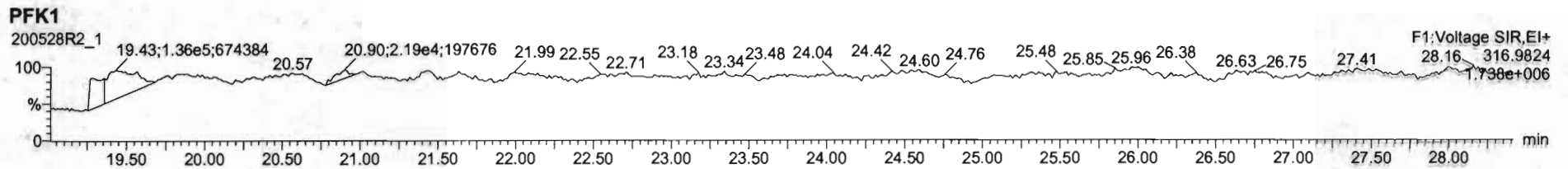
#	Name	Resp	RA	aly	RRF	wtWt	RT	RRT	Conc	%Rec	QL	EMPC
1	2,3,7,8-TCDD	2.70e3	0.98	NO	0.8803	1.000	26.54	1.000	0.212	85.7	0.0247	0.212
2	1,2,3,7,8-PeCDD	1.03e4	0.66	NO	0.9041	1.000	31.60	1.000	1.12	90.0	0.0202	1.12
3	1,2,3,4,7,8-HxCDD	0.03e3	1.27	NO	1.0324	1.000	34.86	1.000	1.12	89.4	0.042E	1.12
4	1,2,3,6,7,8-HxCDD	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	0.046E	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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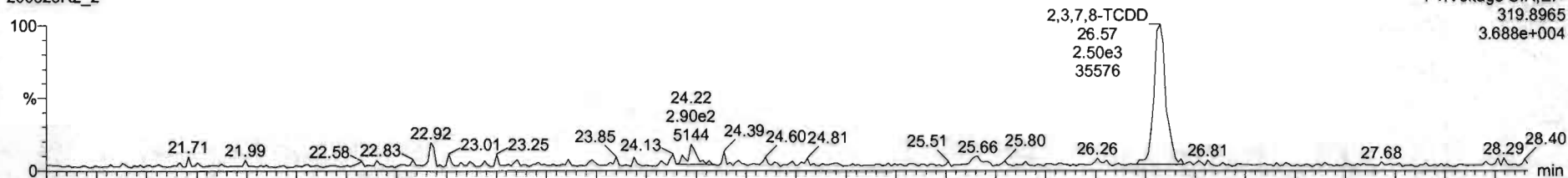
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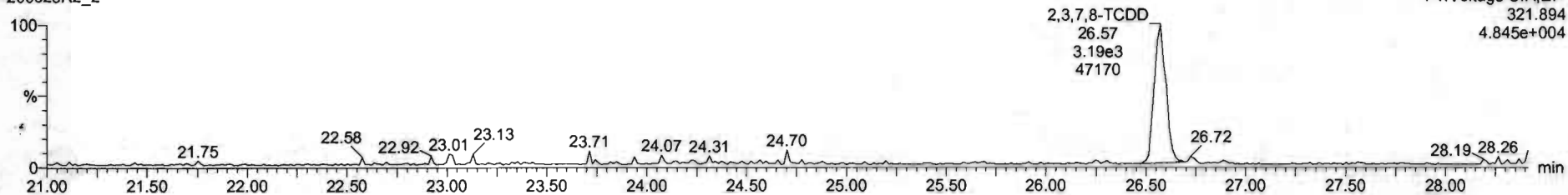
2,3,7,8-TCDD

200528R2_2



F1:Voltage SIR,EI+
319.8965
3.688e+004

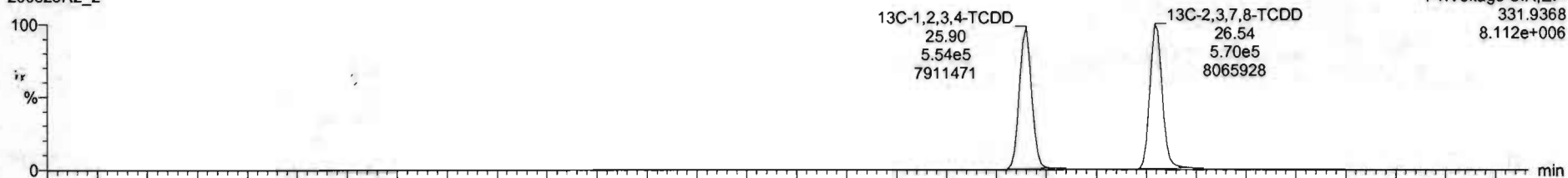
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4.845e+004

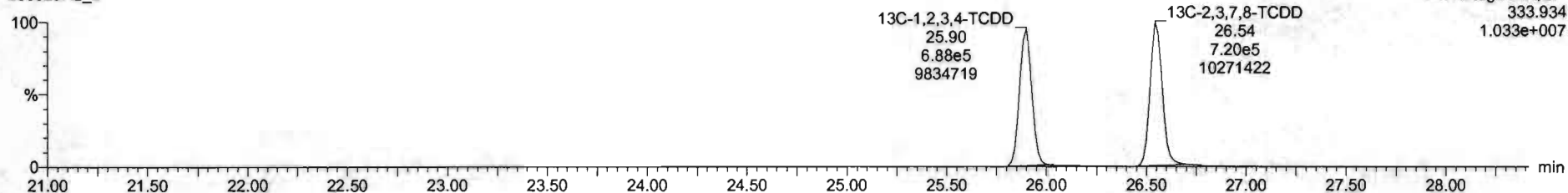
13C-2,3,7,8-TCDD

200528R2_2



F1:Voltage SIR,EI+
331.9368
8.112e+006

200528R2_2



F1:Voltage SIR,EI+
333.934
1.033e+007

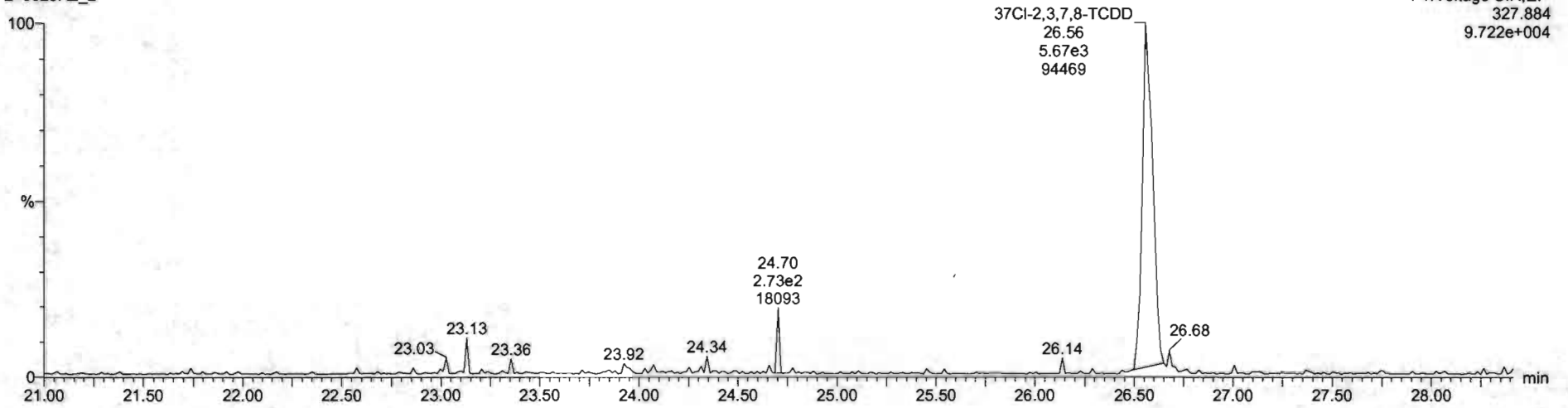
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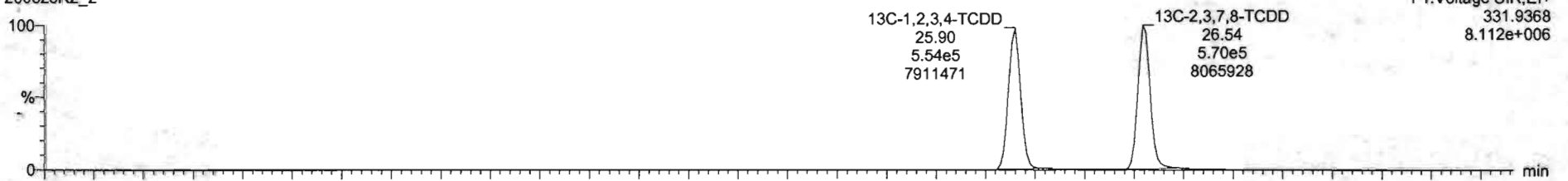
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200528R2_2

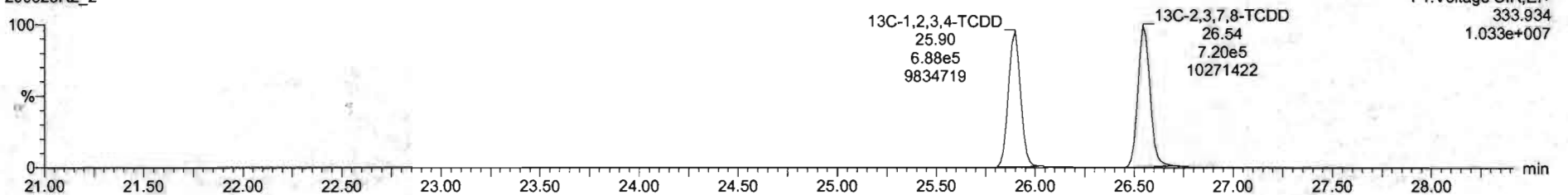


13C-1,2,3,4-TCDD

200528R2_2



200528R2_2



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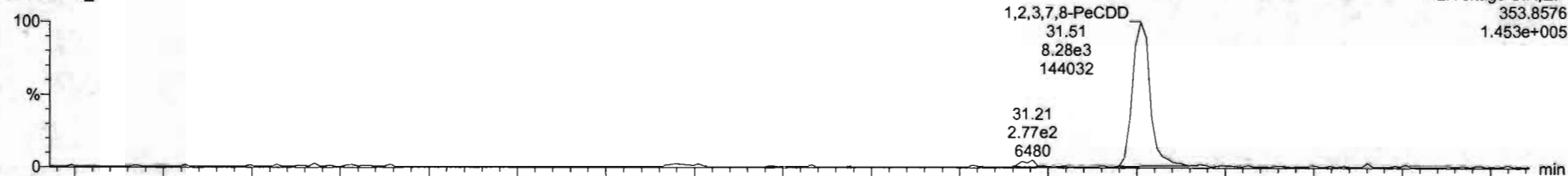
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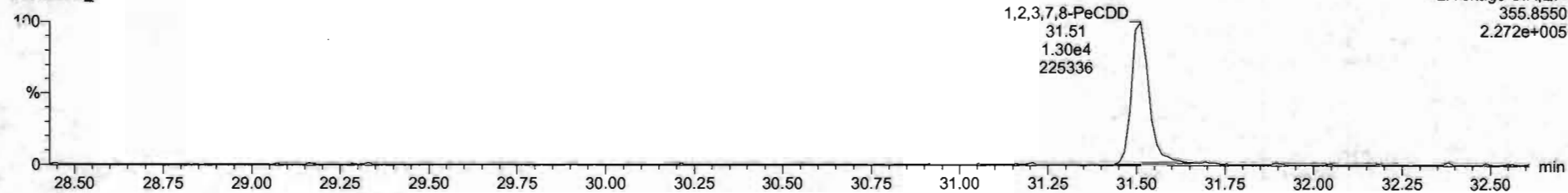
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1,2,3,7,8-PeCDD

200528R2_2

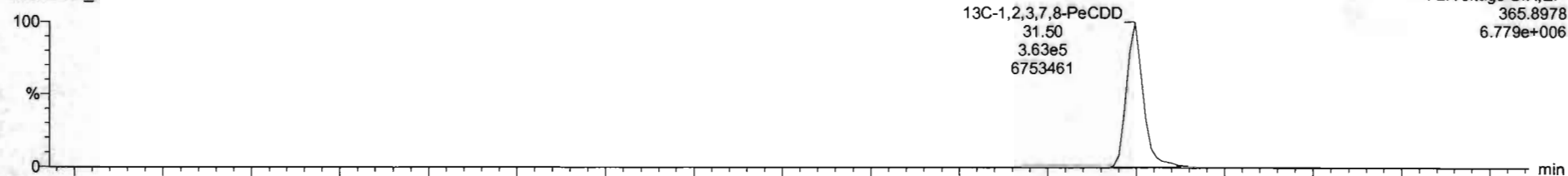


200528R2_2

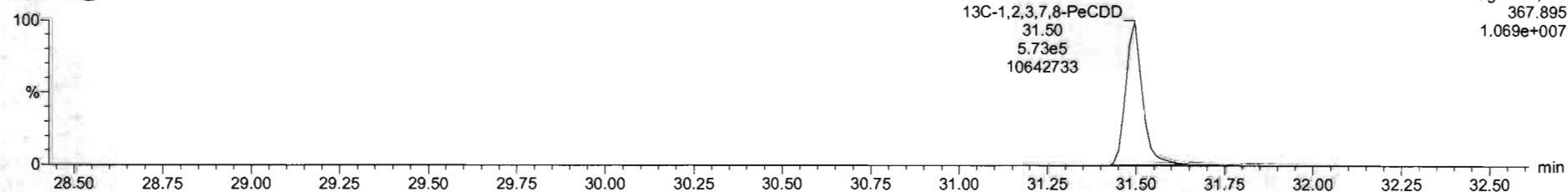


13C-1,2,3,7,8-PeCDD

200528R2_2



200528R2_2



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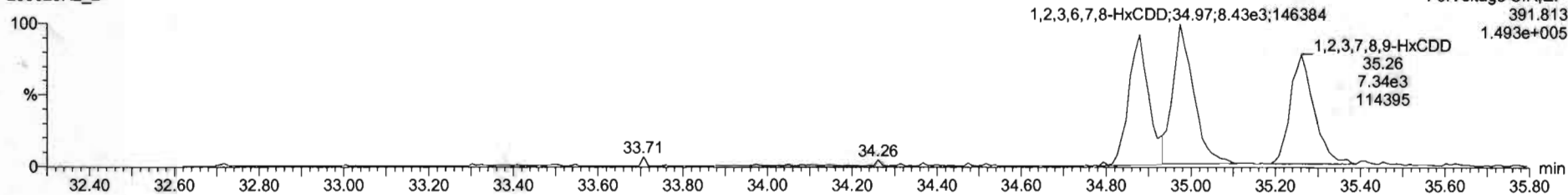
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1,2,3,4,7,8-HxCDD

200528R2_2

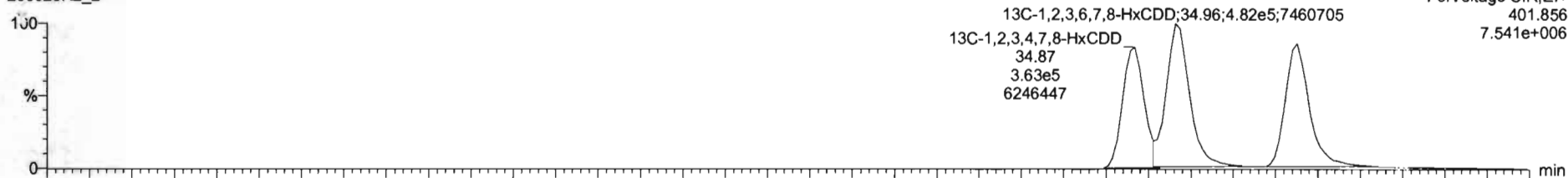


200528R2_2

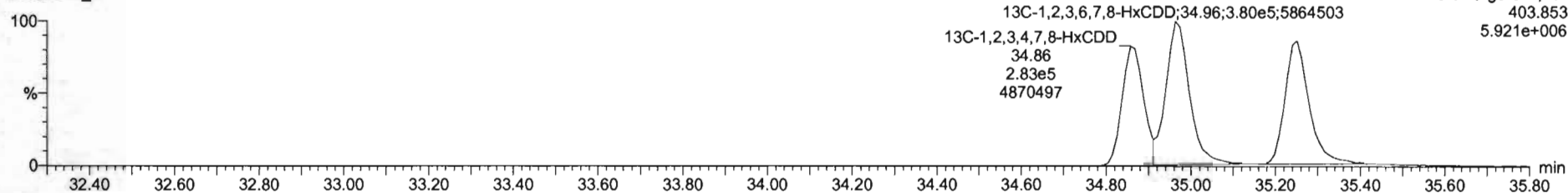


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200528R2_2



200528R2_2



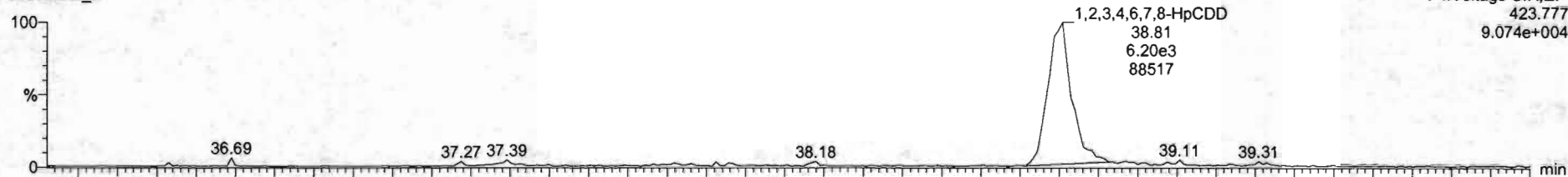
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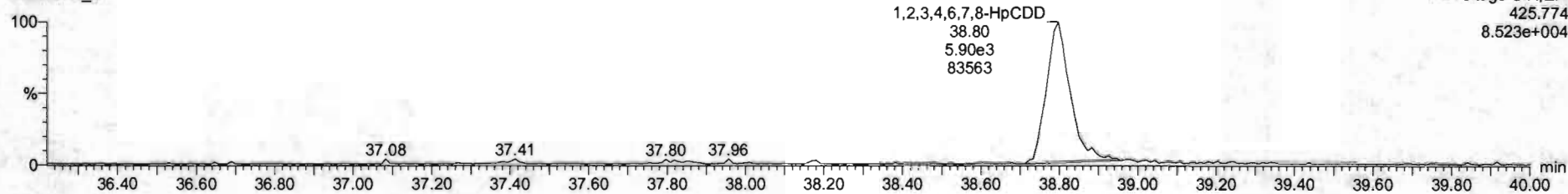
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1,2,3,4,6,7,8-HpCDD

200528R2_2

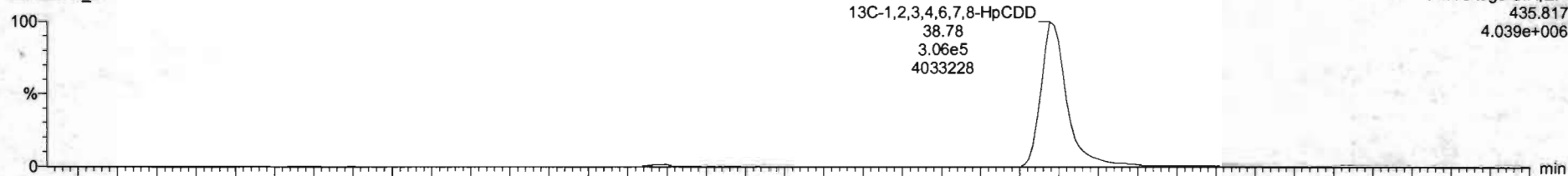


200528R2_2

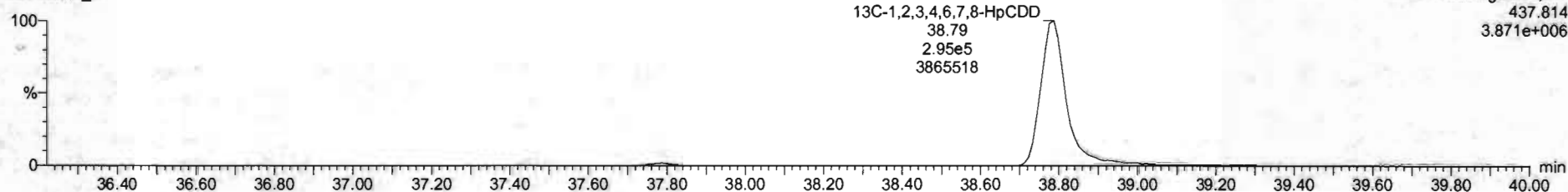


13C-1,2,3,4,6,7,8-HpCDD

200528R2_2



200528R2_2

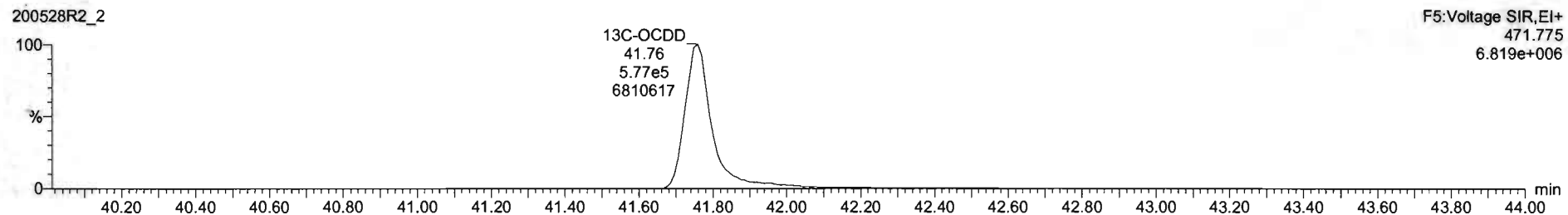
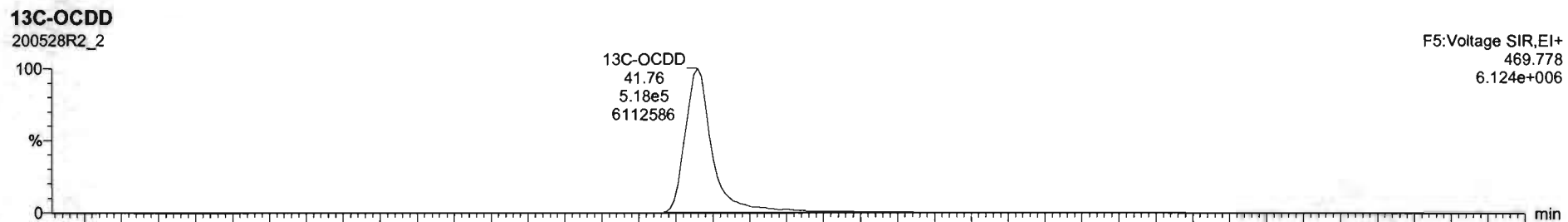
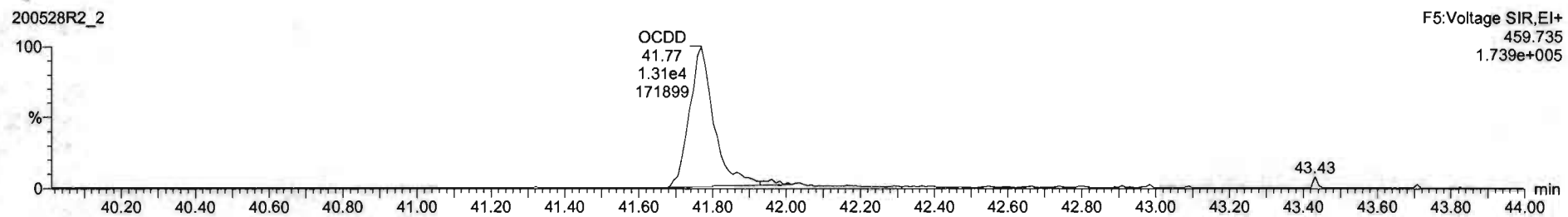
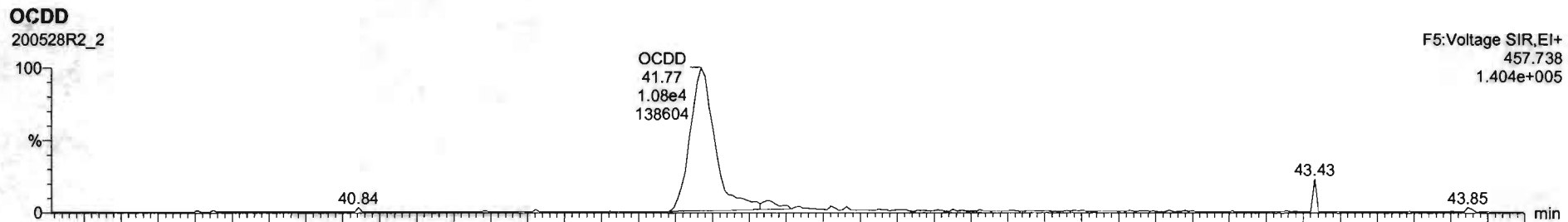


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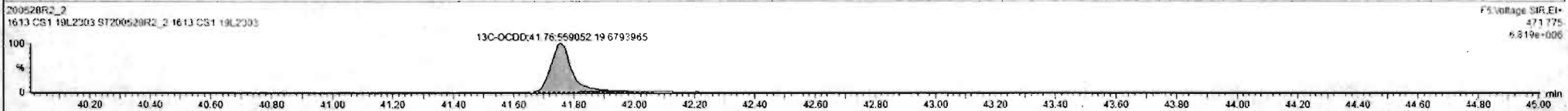
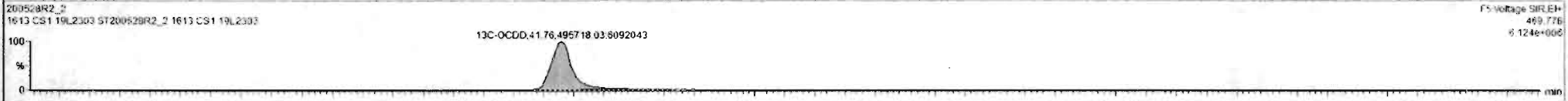
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Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	5.69e3	0.78	NO	0.8883	1.000	26.57	1.001	0.497	99.4	0.0473	0.497
2 1,2,3,7,8-PeCDD	2.12e4	0.84	NO	0.9081	1.000	31.51	1.000	2.50	99.9	0.0401	2.50
3 1,2,3,4,7,8-HxCDD	1.69e4	1.27	NO	1.0324	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	98.5	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	0.463	97.7	0.0670	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	0.9348	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	95.3	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	



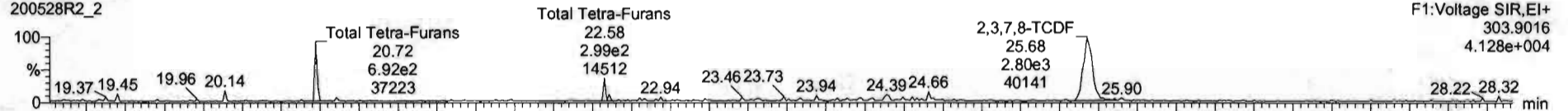
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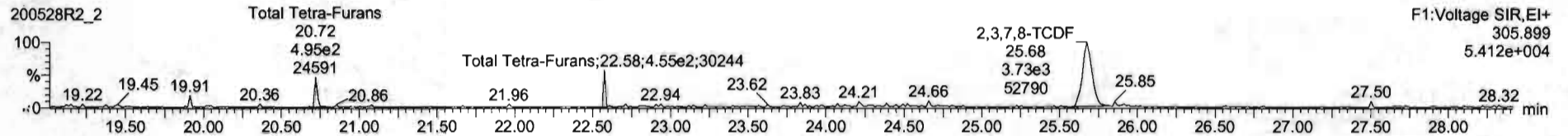
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2,3,7,8-TCDF

200528R2_2

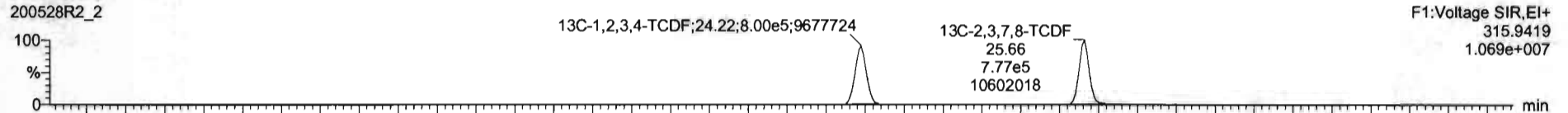


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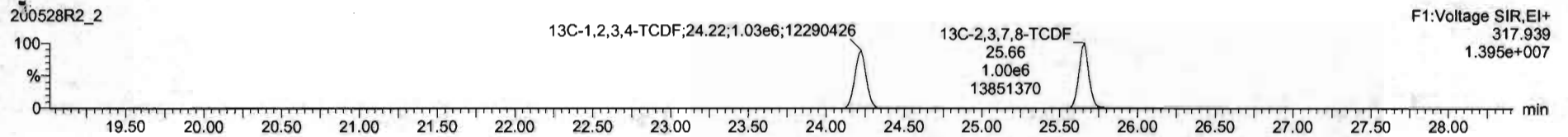


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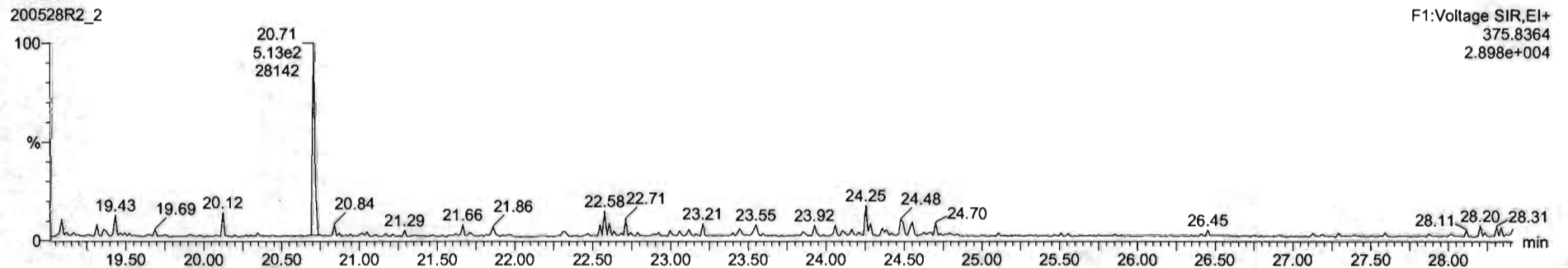


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DPE1

200528R2_2



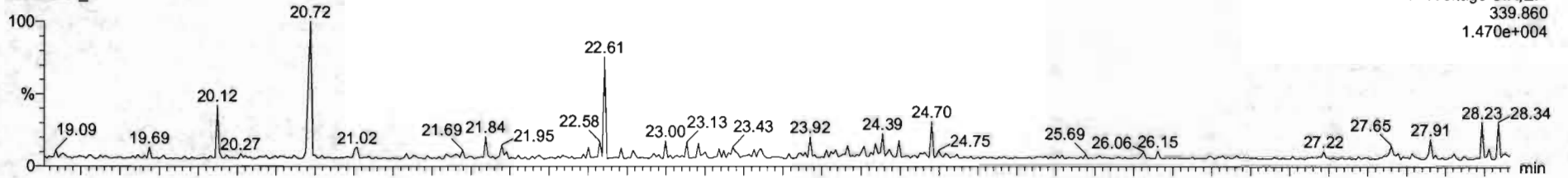
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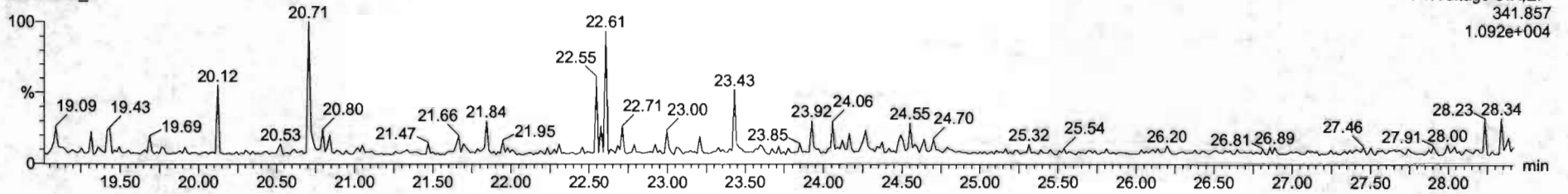
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200528R2_2

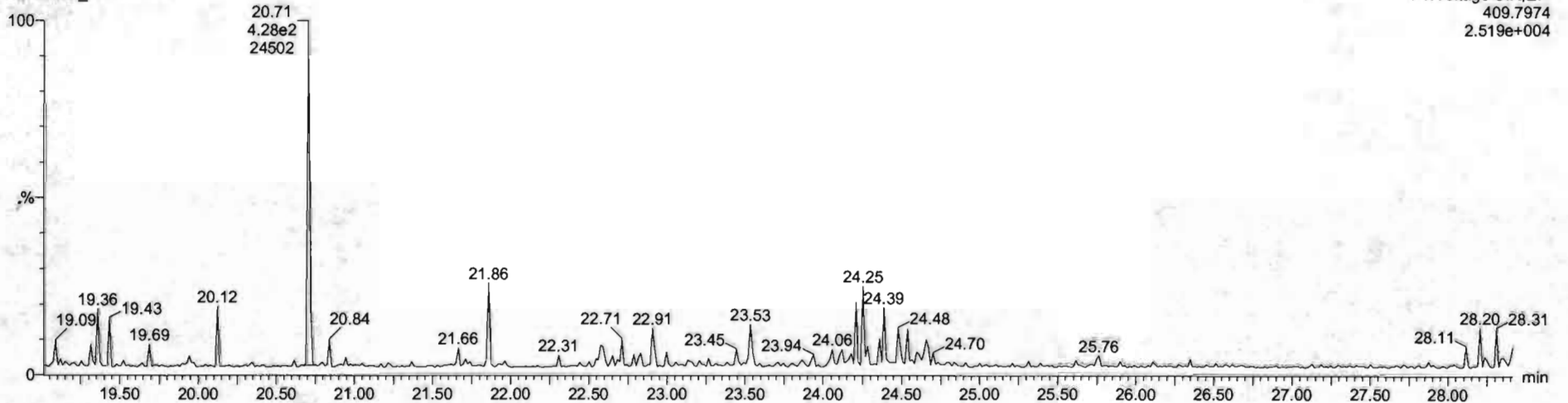


200528R2_2



DPE6

200528R2_2



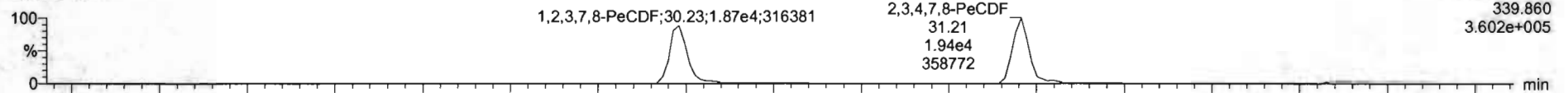
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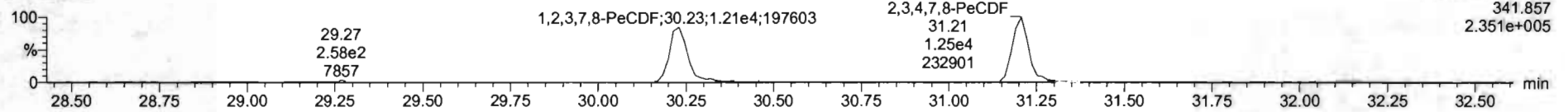
1,2,3,7,8-PeCDF

200528R2_2



F2:Voltage SIR,EI+
339.860
3.602e+005

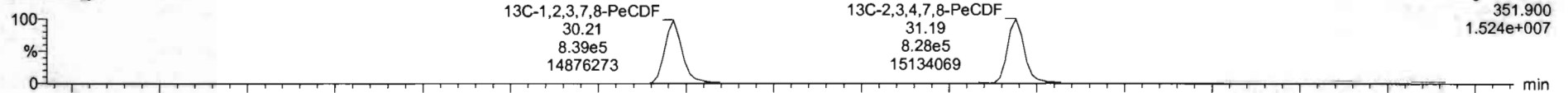
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F2:Voltage SIR,EI+
341.857
2.351e+005

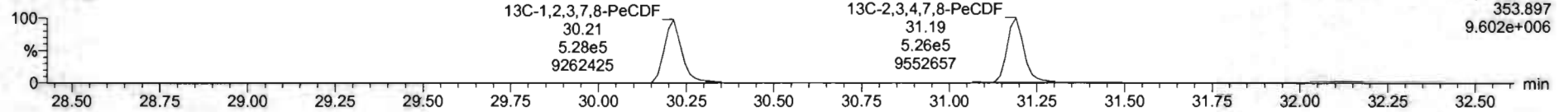
13C-1,2,3,7,8-PeCDF

200528R2_2



F2:Voltage SIR,EI+
351.900
1.524e+007

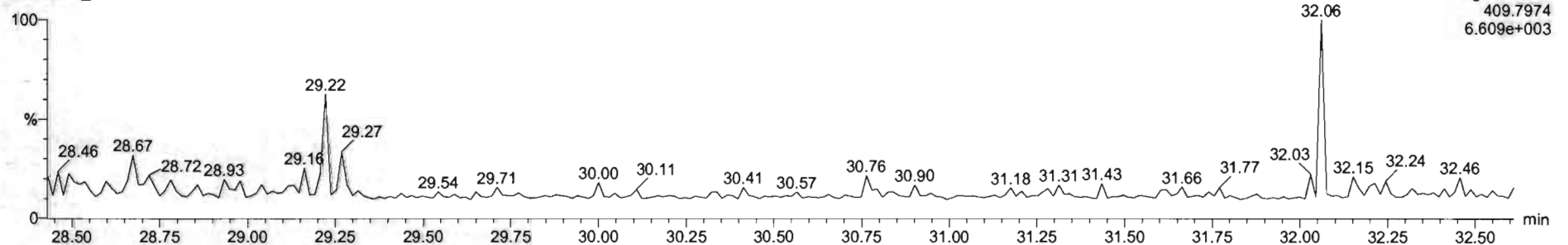
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F2:Voltage SIR,EI+
353.897
9.602e+006

DPE2

200528R2_2



F2:Voltage SIR,EI+
409.7974
6.609e+003

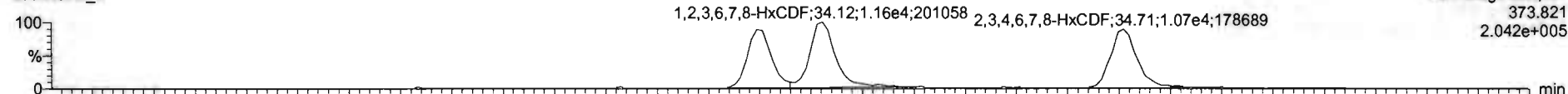
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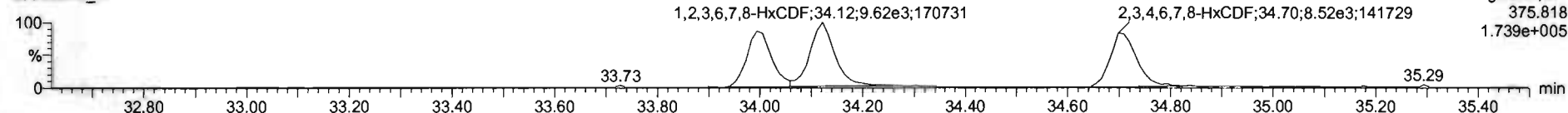
1,2,3,4,7,8-HxCDF

200528R2_2



F3: Voltage SIR, EI+
373.821
2.042e+005

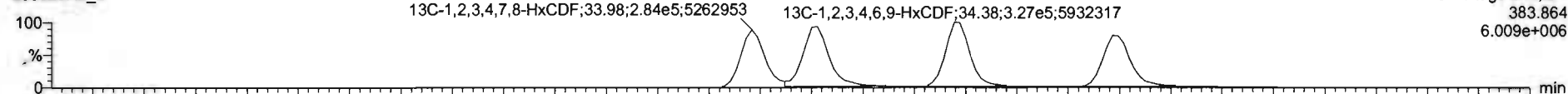
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F3: Voltage SIR, EI+
375.818
1.739e+005

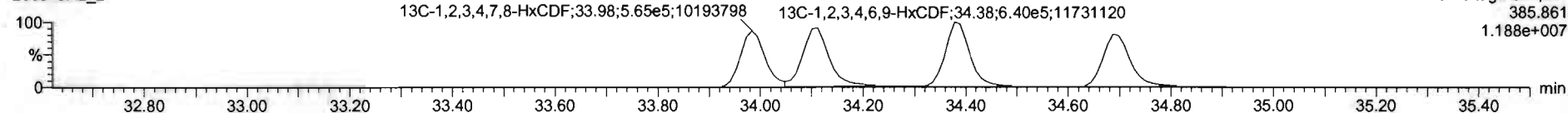
13C-1,2,3,4,7,8-HxCDF

200528R2_2



F3: Voltage SIR, EI+
383.864
6.009e+006

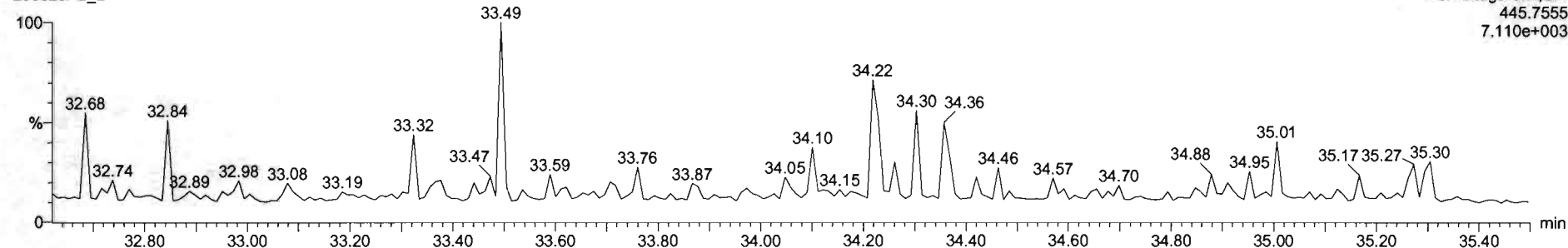
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F3: Voltage SIR, EI+
385.861
1.188e+007

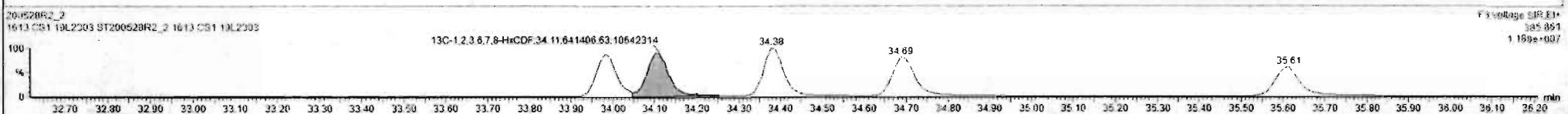
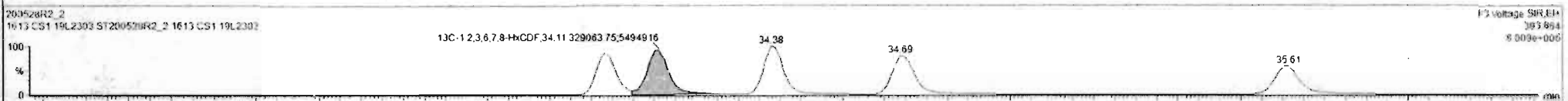
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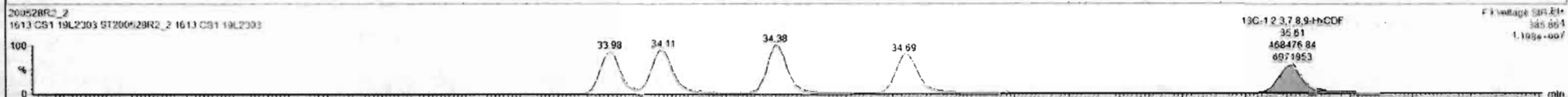
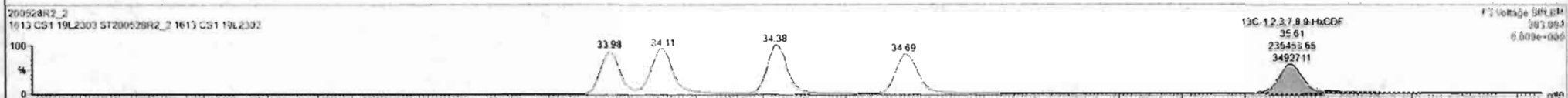


F3: Voltage SIR, EI+
445.7555
7.110e+003

#	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	0.9126	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	3.08e4	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	1,2,3,7,8-TCDF	1.79e6	0.79	NO	1.1563	1.000	26.54	1.025	89.8	89.8	0.0928	
19	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	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	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	0.9136	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	3.05e4	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	



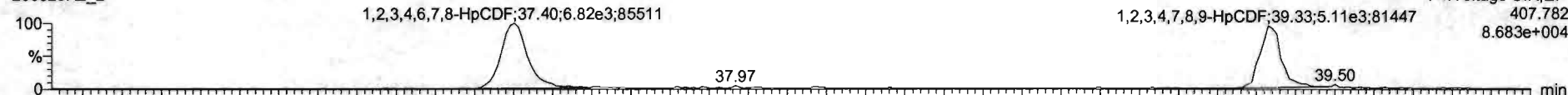
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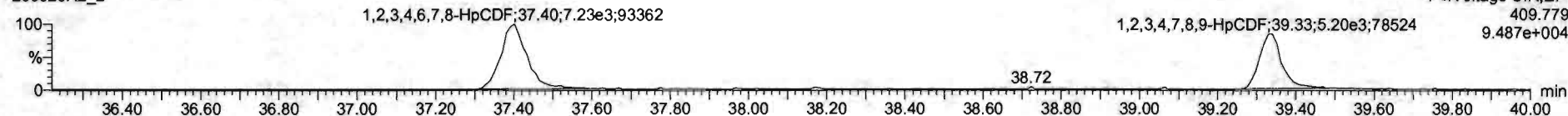
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1,2,3,4,6,7,8-HpCDF

200528R2_2

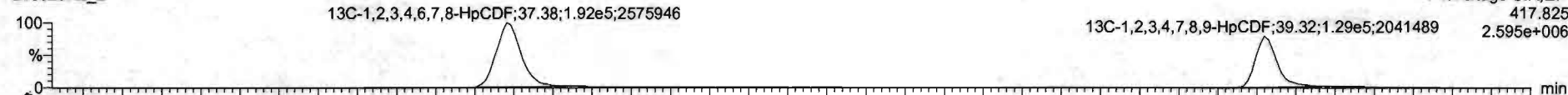


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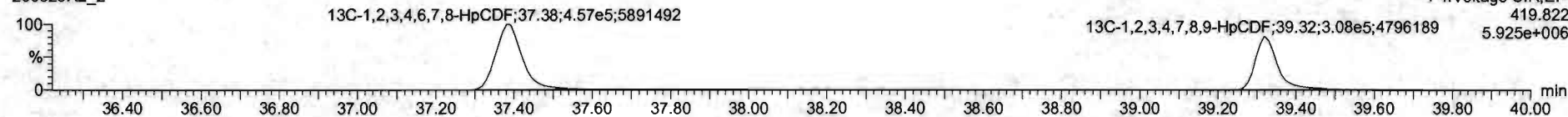


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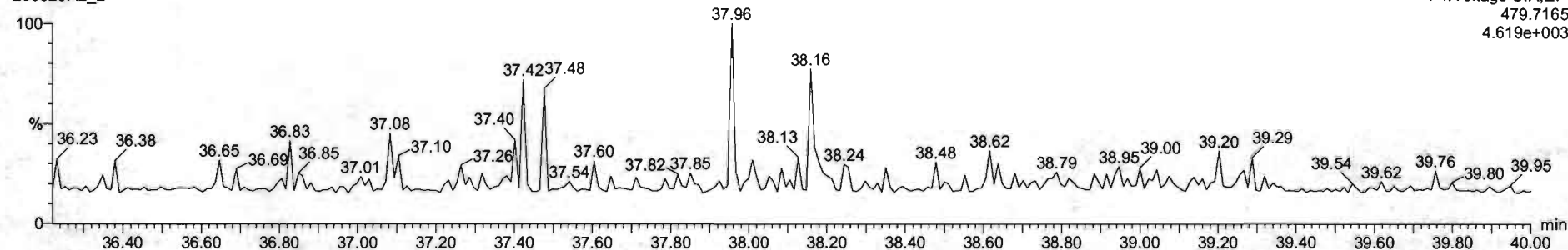


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DPE4

200528R2_2



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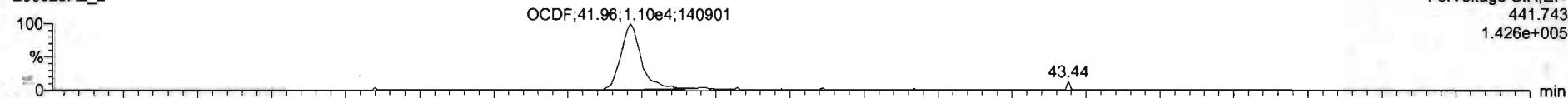
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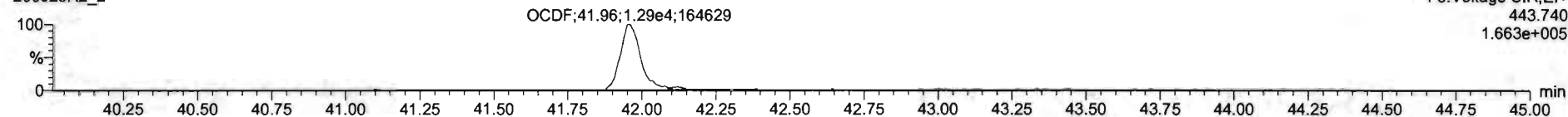
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OCDF

200528R2_2

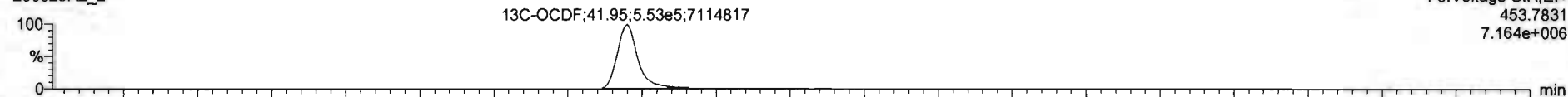


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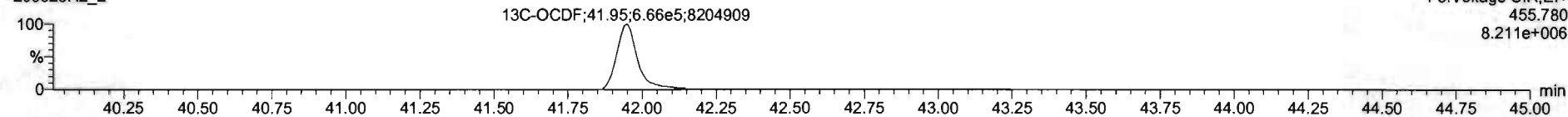


13C-OCDF

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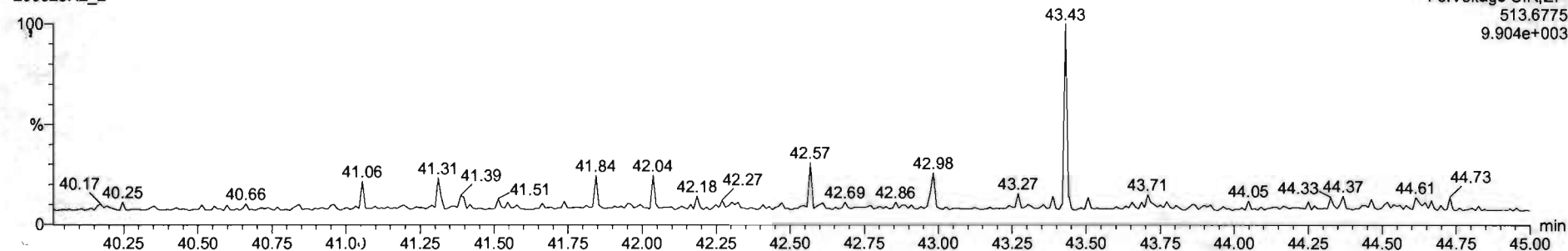


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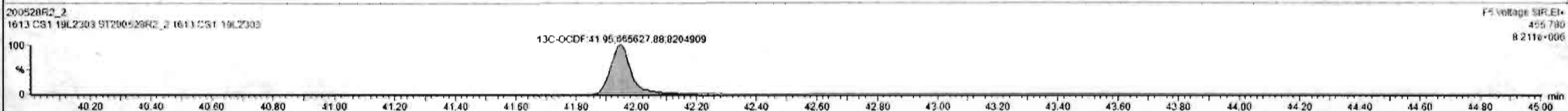


DPE5

200528R2_2



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	



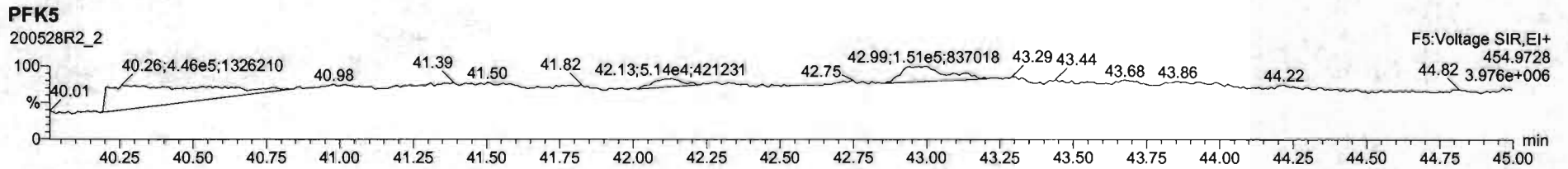
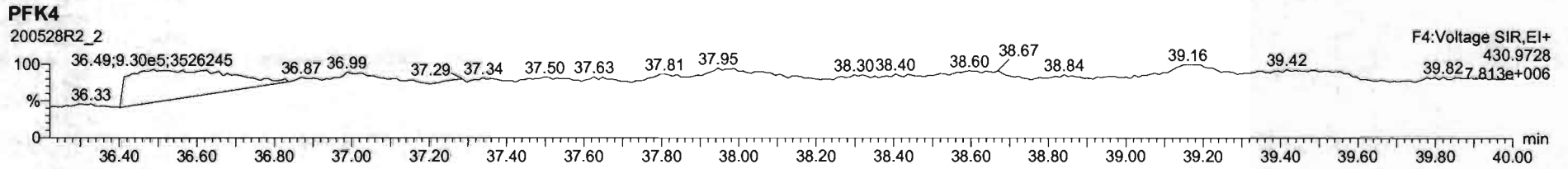
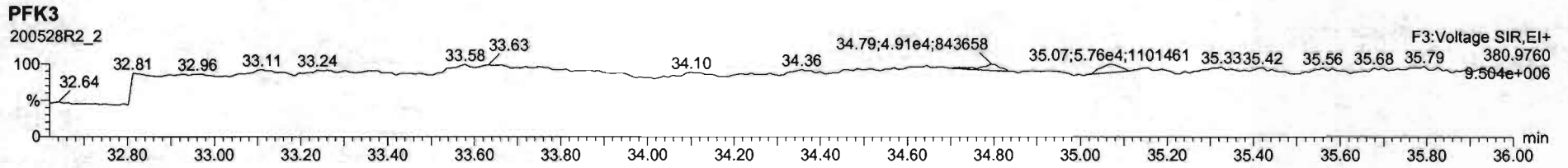
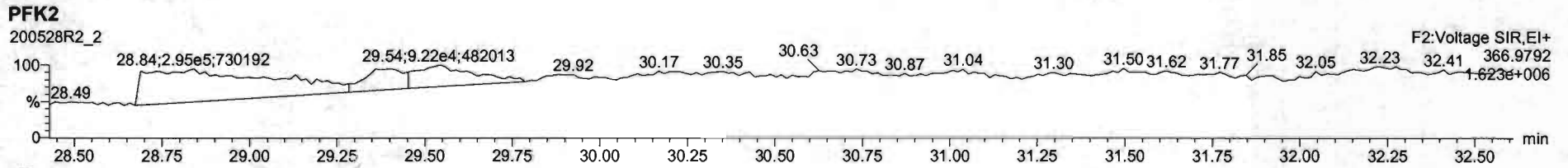
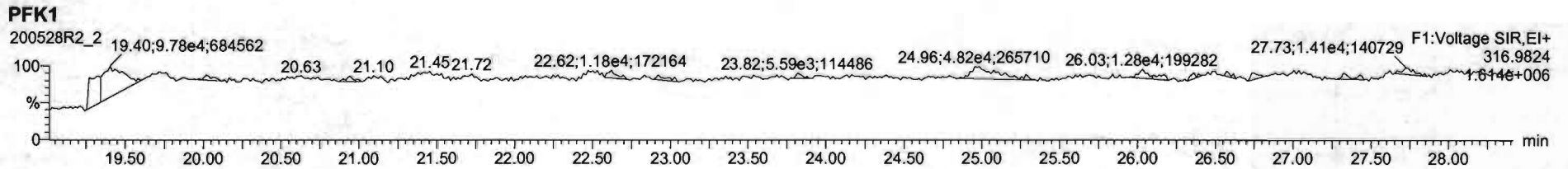
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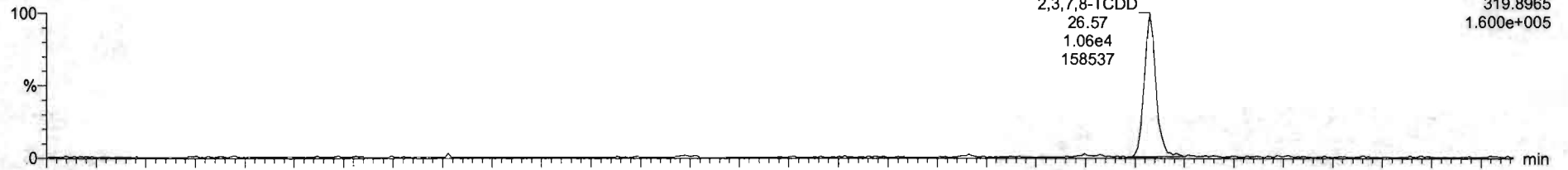
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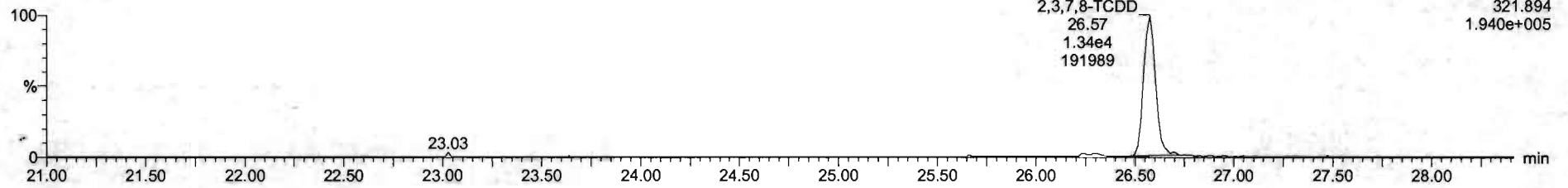
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2,3,7,8-TCDD

200528R2_3

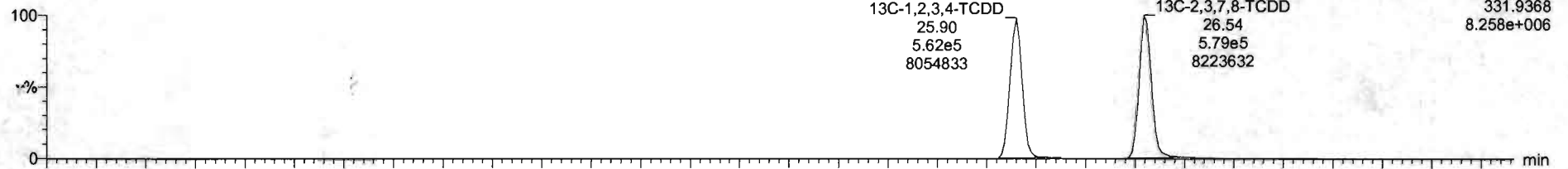


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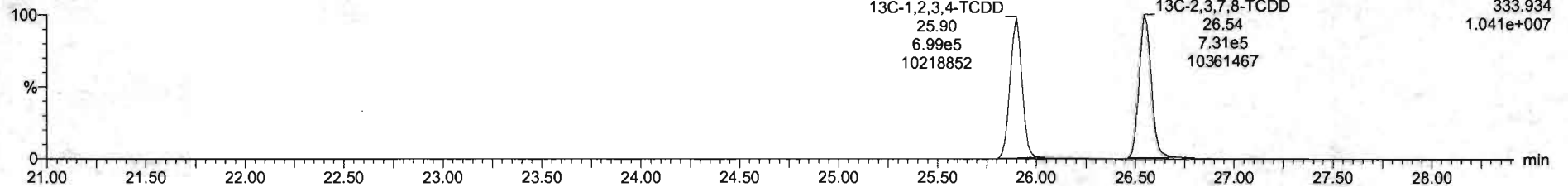


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200528R2_3



200528R2_3



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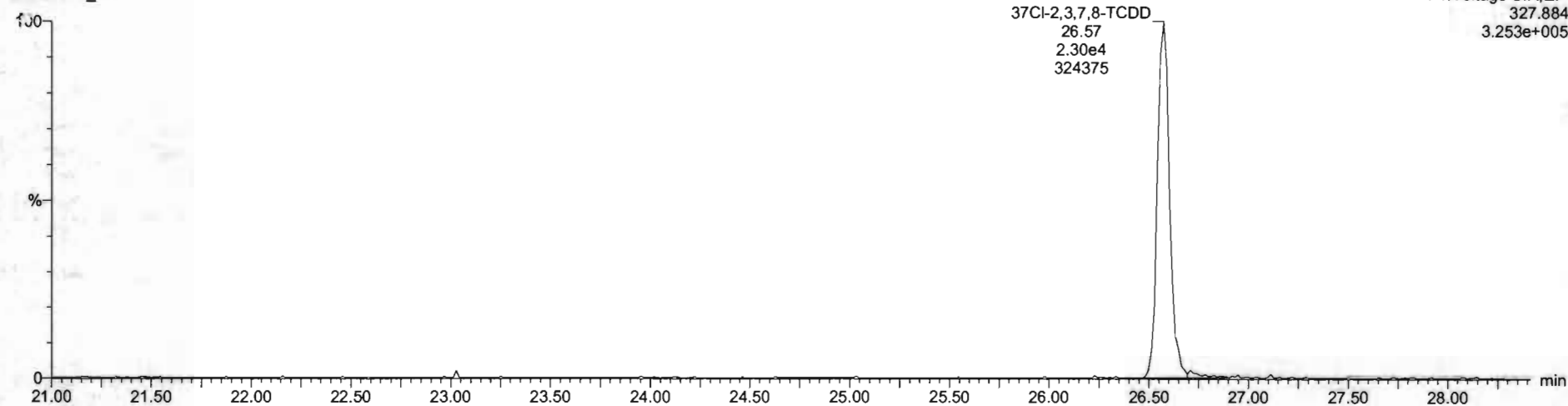
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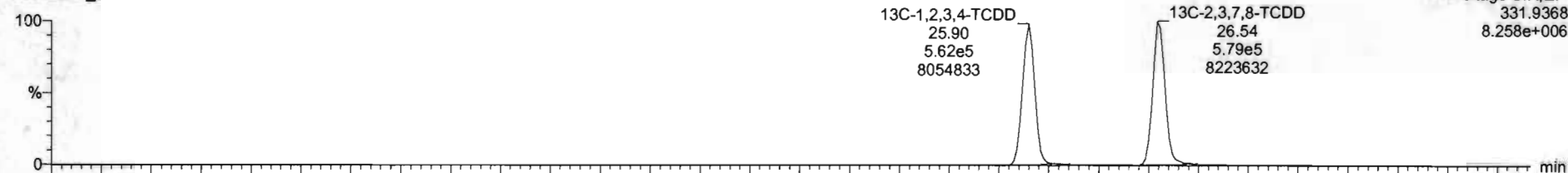
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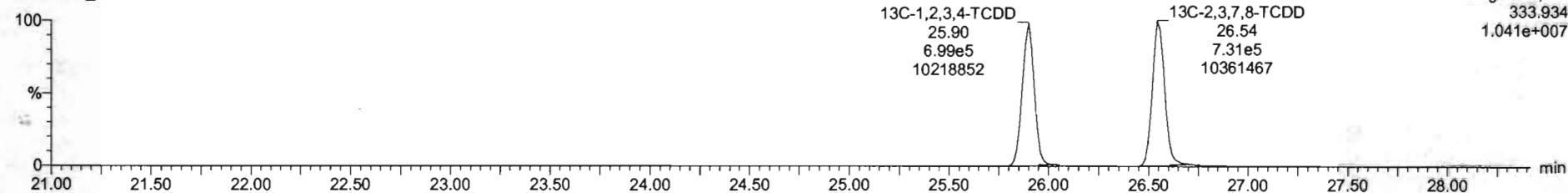


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200528R2_3



200528R2_3



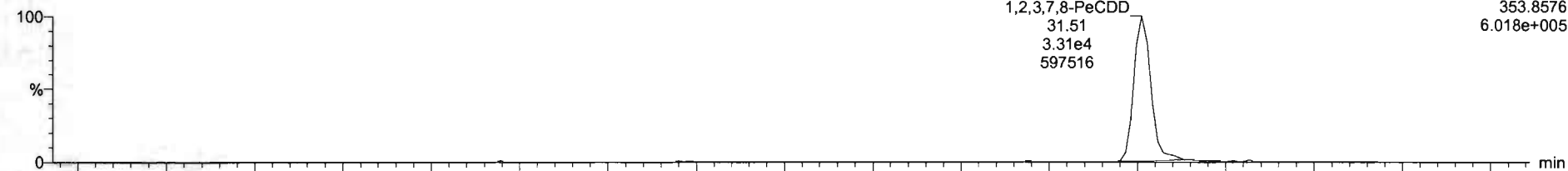
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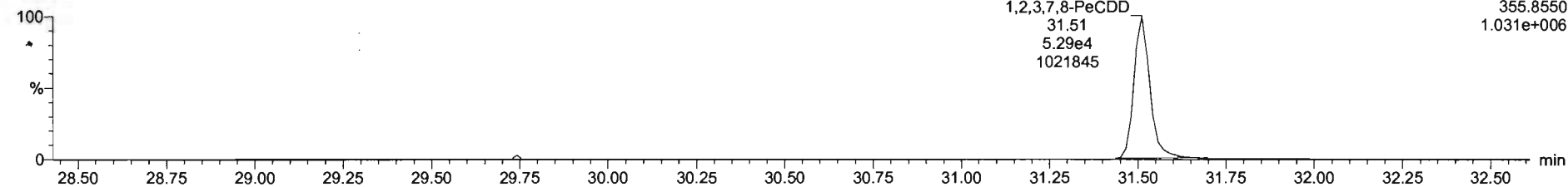
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1,2,3,7,8-PeCDD

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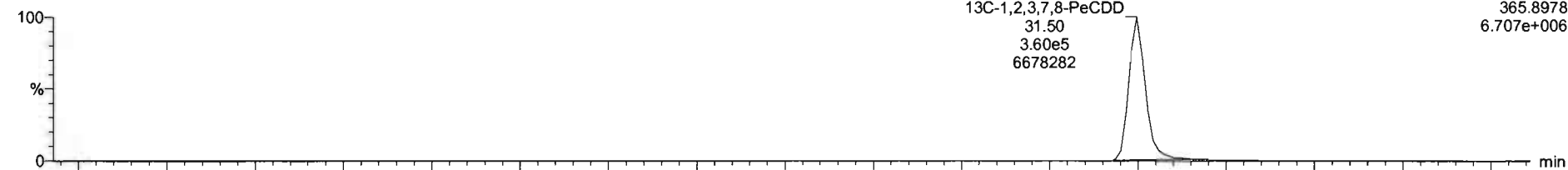


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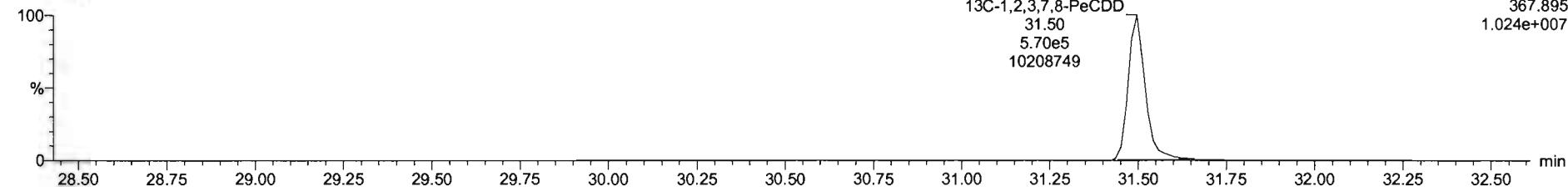


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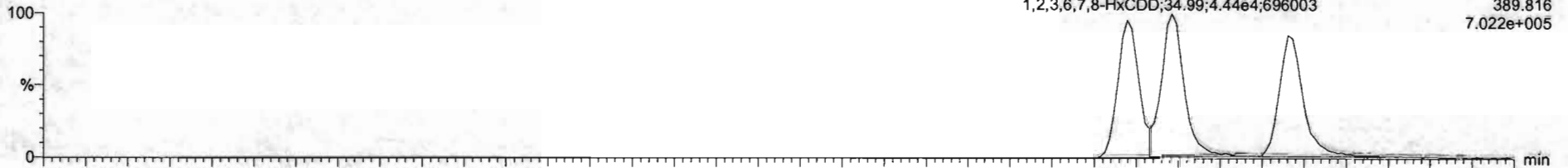
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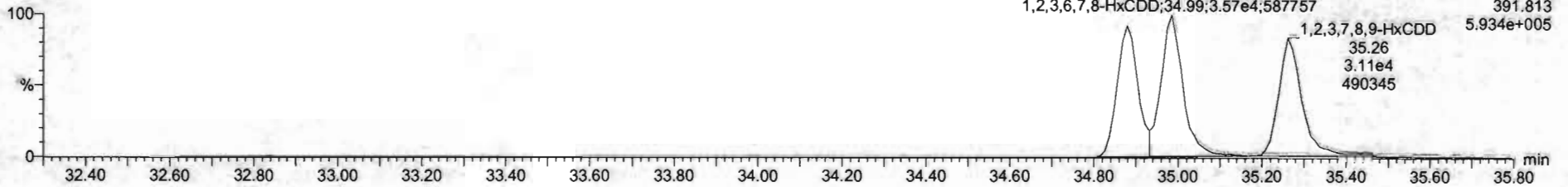
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200528R2_3

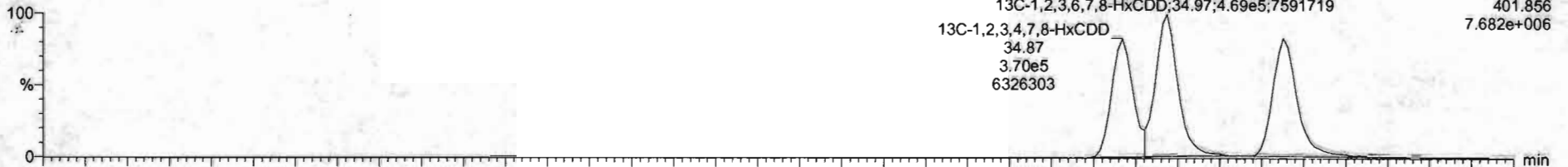


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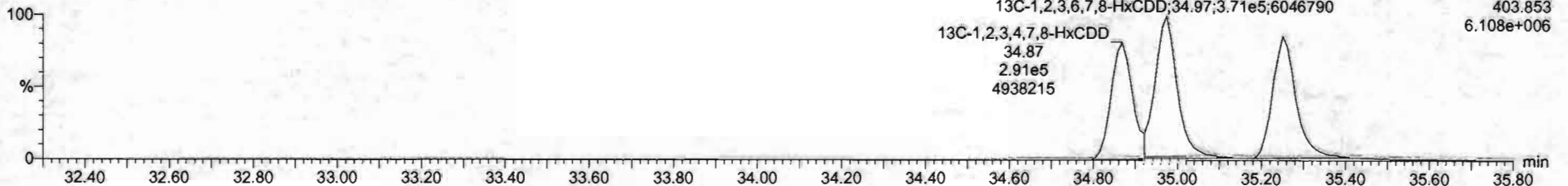


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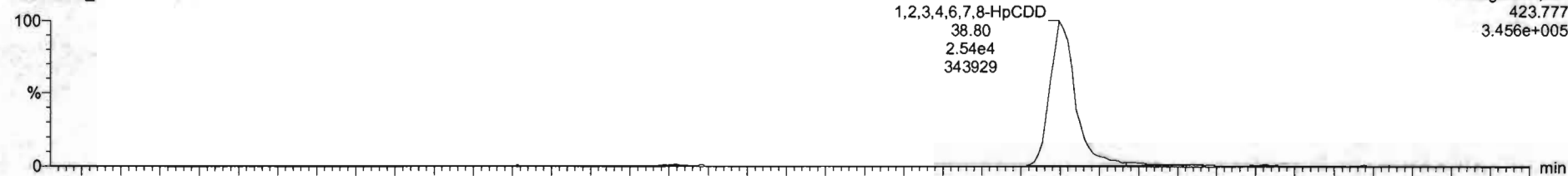
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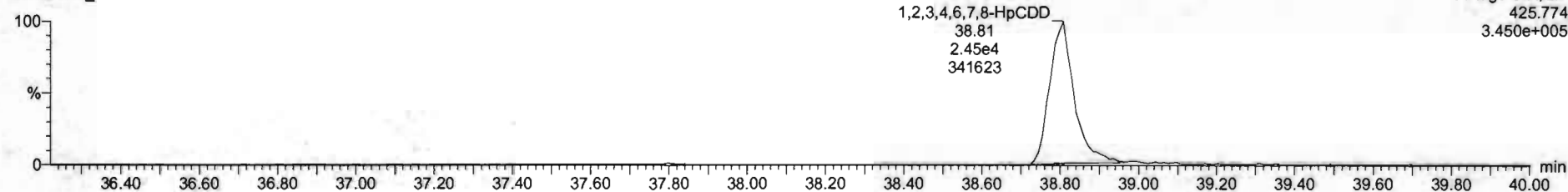
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1,2,3,4,6,7,8-HpCDD

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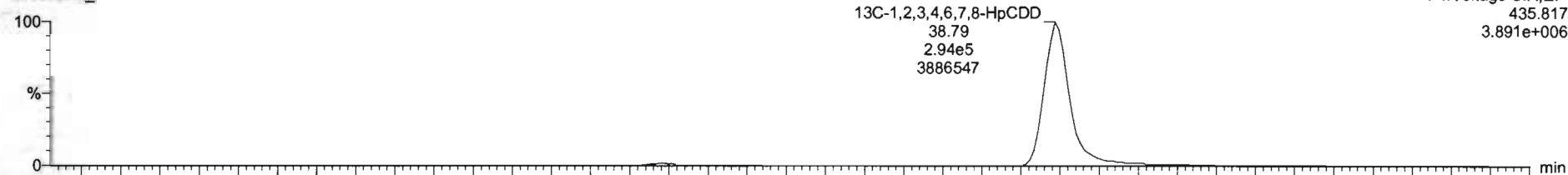


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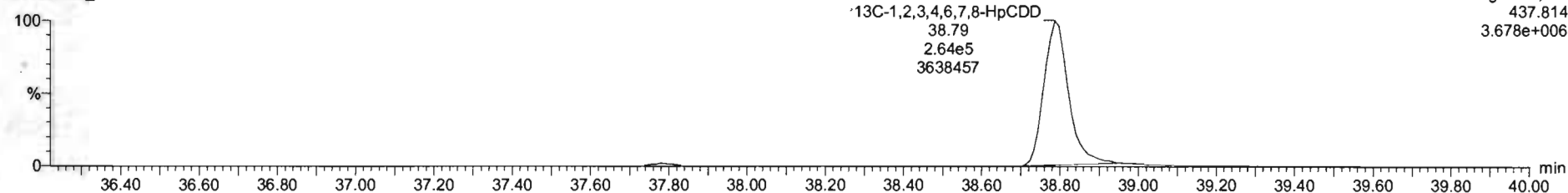


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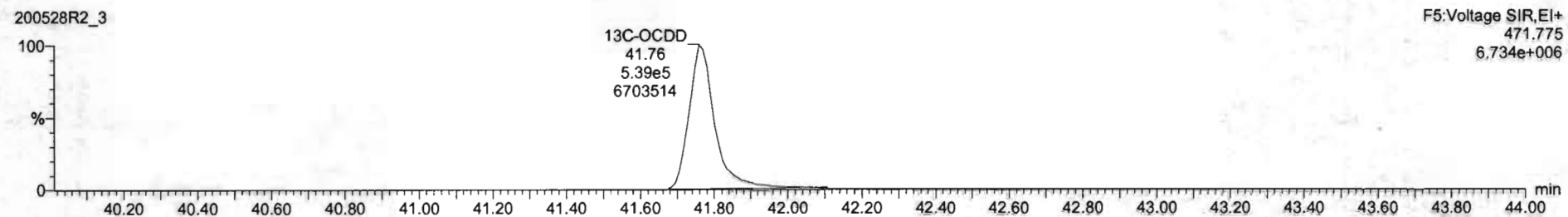
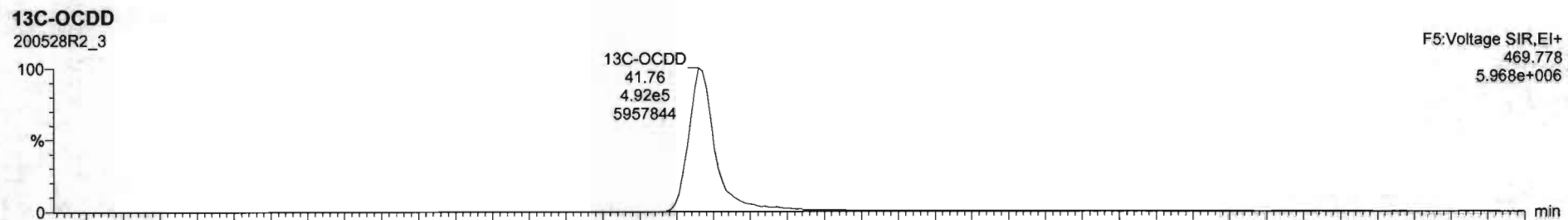
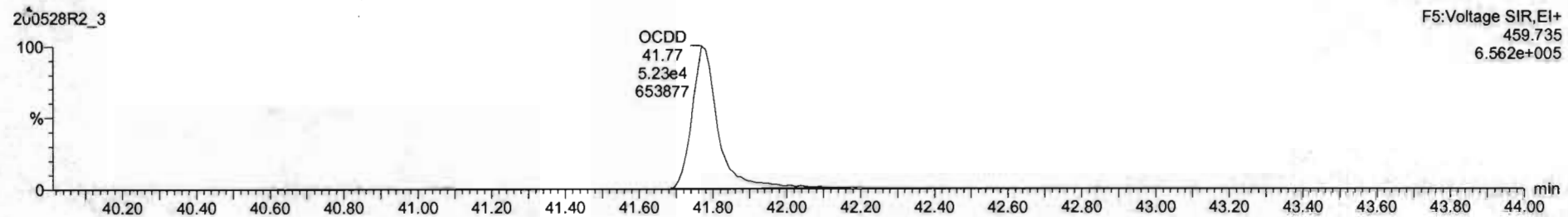
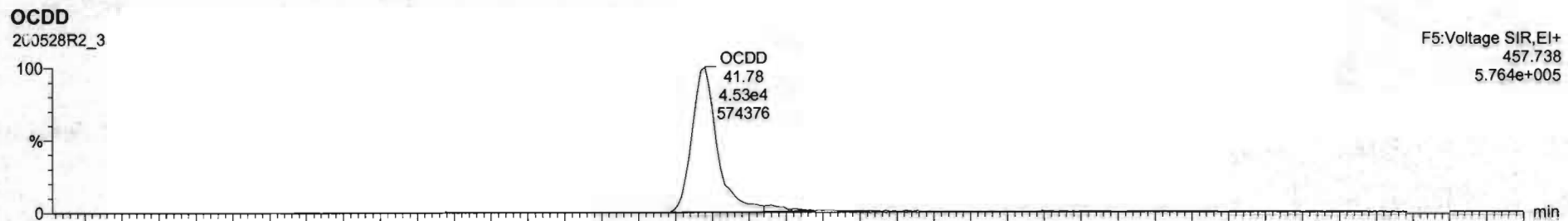
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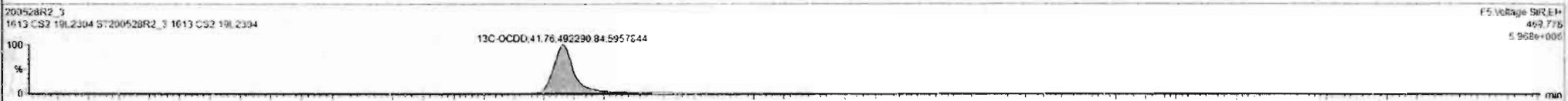
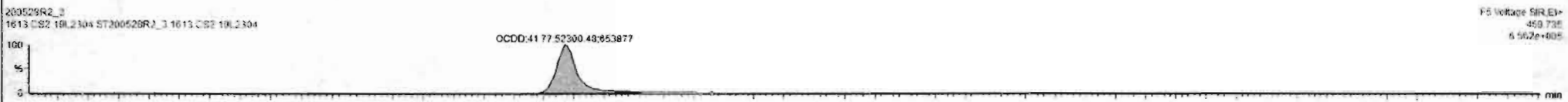
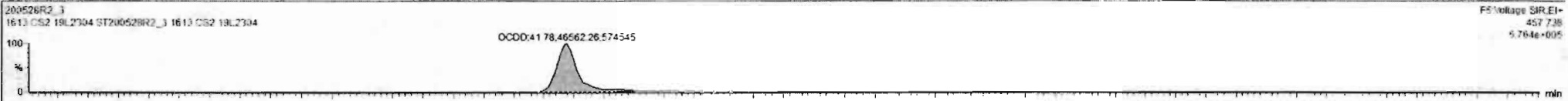
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Name: 200528R2_3, Date: 28-May-2020, Time: 13:28:43, ID: ST200528R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304



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	36.50	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	26.68	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	34.01	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	0.0660	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	39.8	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	



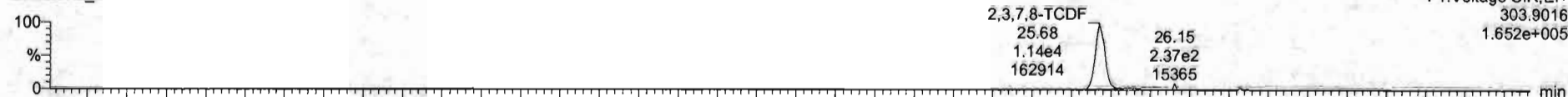
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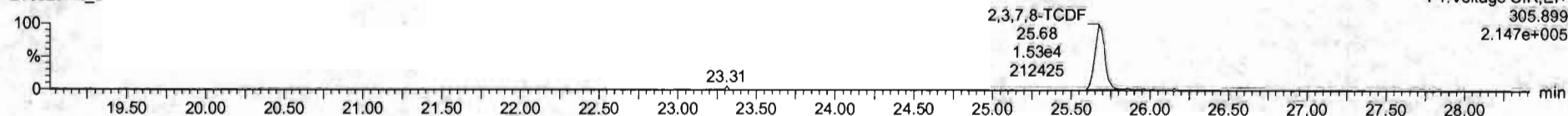
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2,3,7,8-TCDF

200528R2_3

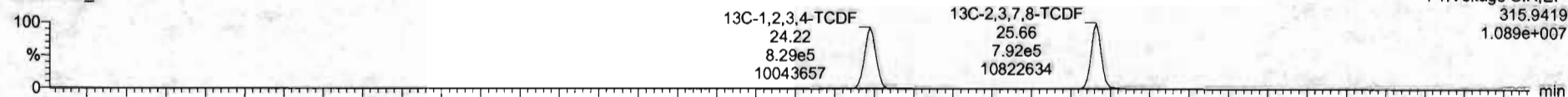


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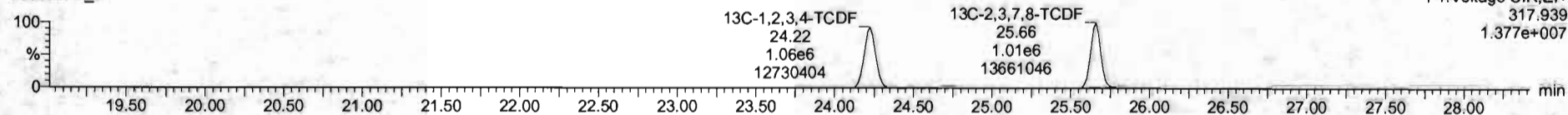


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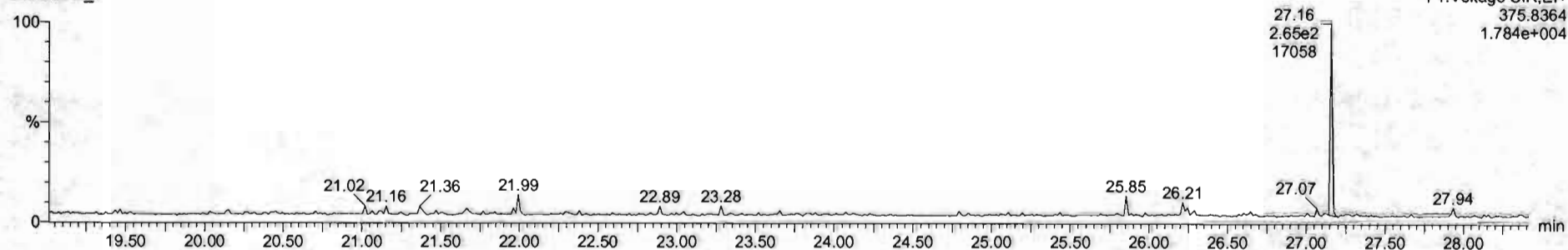


200528R2_3



DPE1

200528R2_3



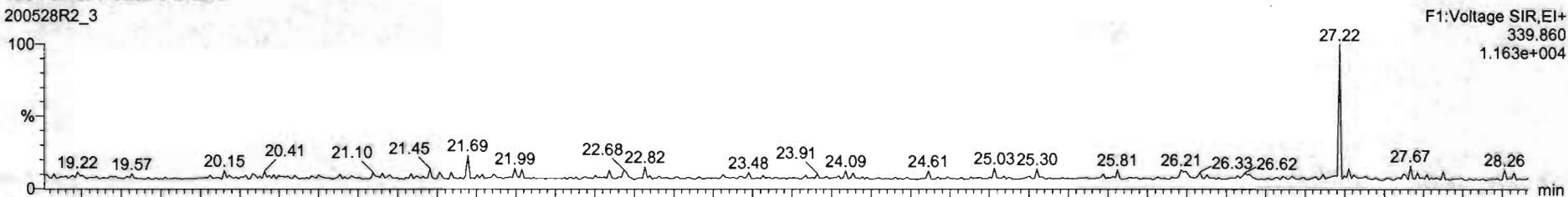
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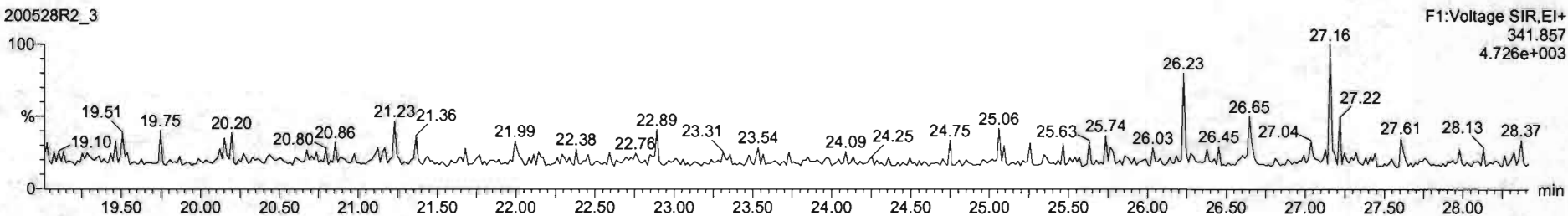
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200528R2_3

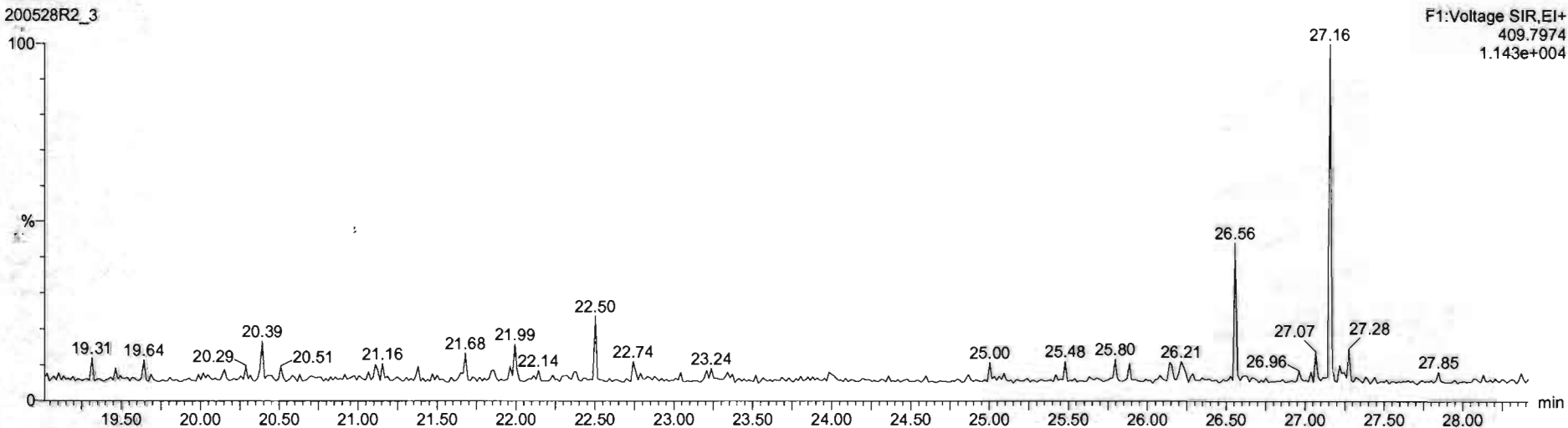


200528R2_3



DPE6

200528R2_3



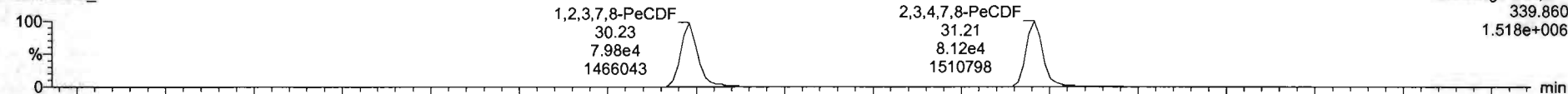
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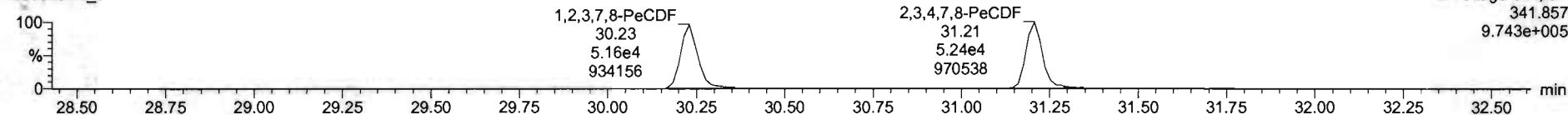
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1,2,3,7,8-PeCDF

200528R2_3

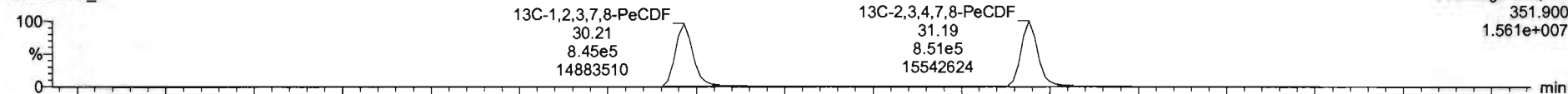


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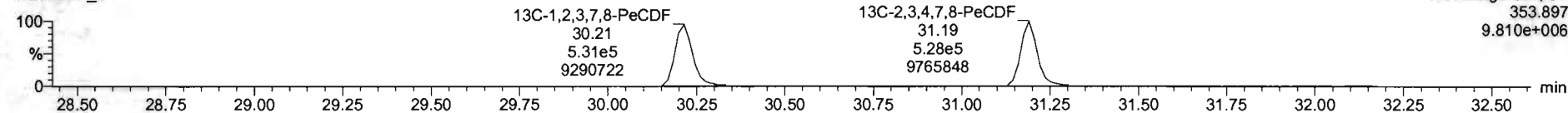


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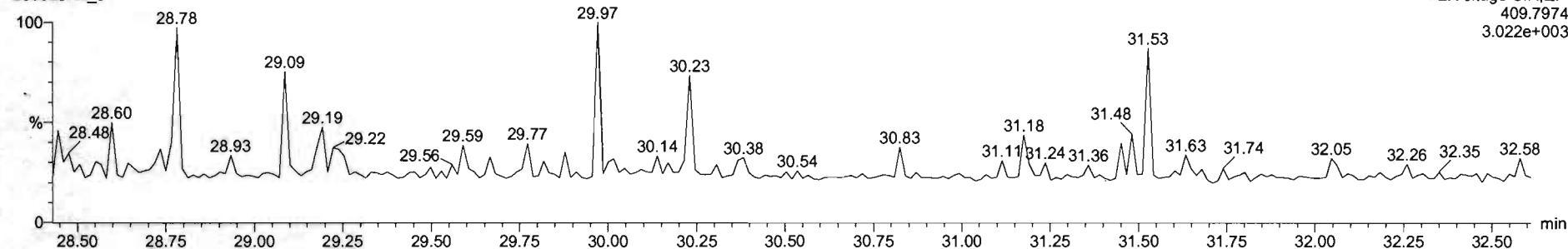


200528R2_3



DPE2

200528R2_3



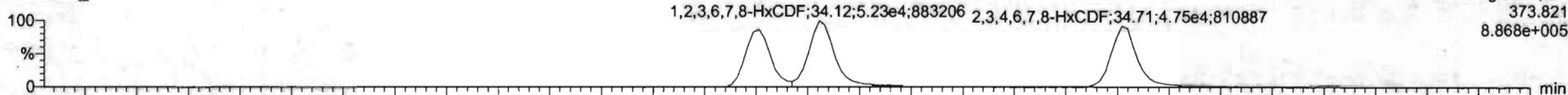
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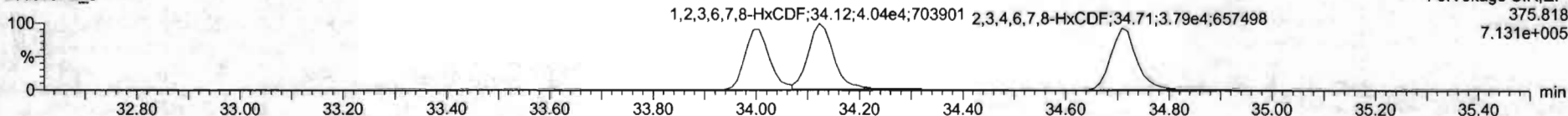
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1,2,3,4,7,8-HxCDF

200528R2_3

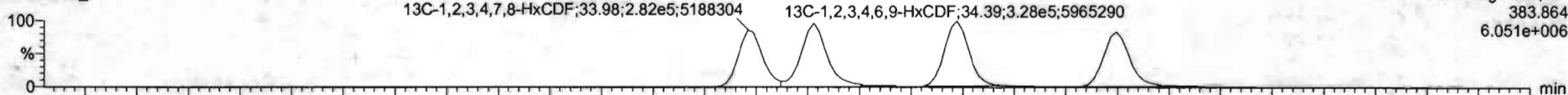


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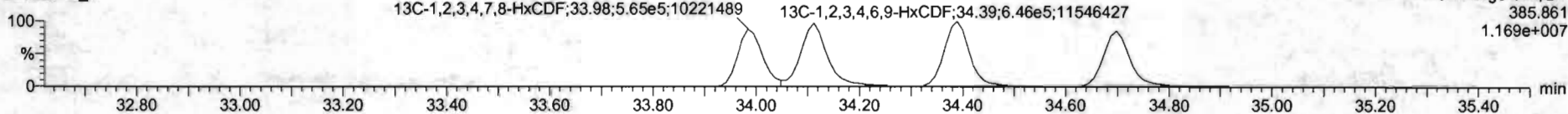


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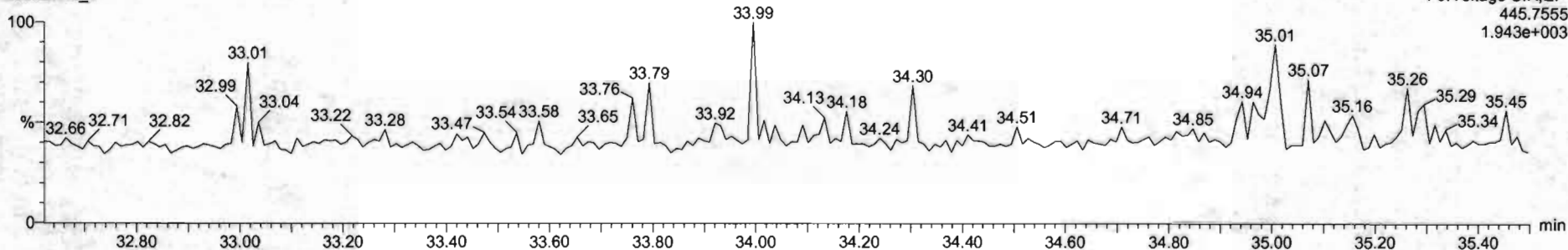


200528R2_3



DPE3

200528R2_3

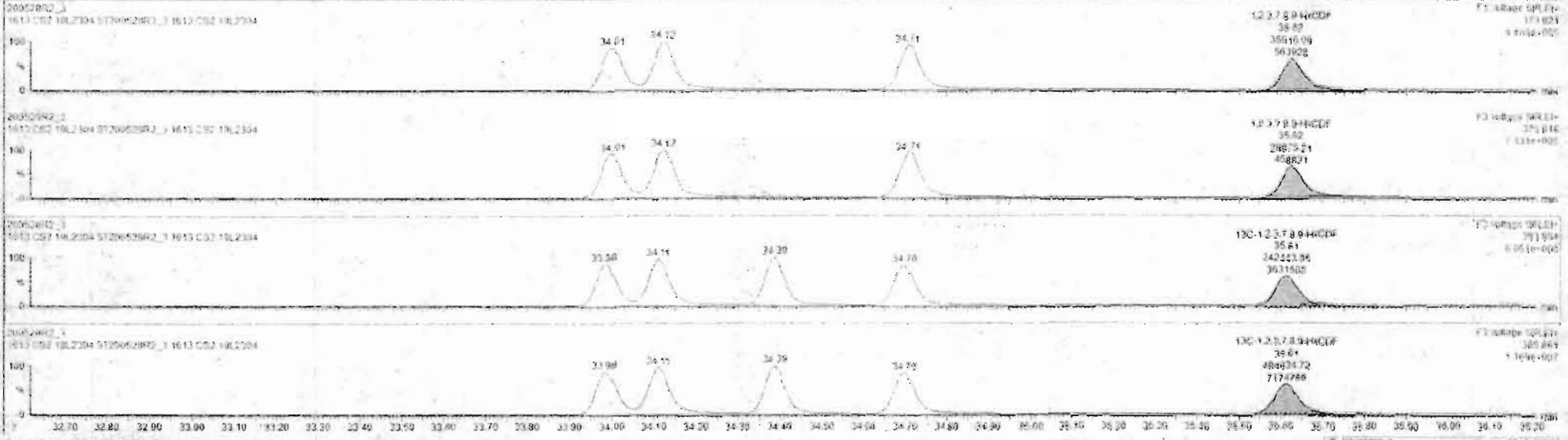


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1	1,2,3,6,7-CDD	2.58e4	0.39	NO	0.8803	1.000	26.07	1.001	2.08	103	0.0070	2.08
2	1,2,3,7,8-PeCDD	5.58e4	0.43	NO	0.9051	1.000	31.51	1.000	10.2	102	0.0400	10.2
3	1,2,3,4,7,8-HxCDD	5.94e4	1.24	NO	1.0334	1.000	34.88	1.000	16.2	102	0.0501	16.2
4	1,2,3,6,7,8-HxCDD	6.01e4	1.24	NO	0.8923	1.000	34.95	1.000	16.7	102	0.0559	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	1,2,3,4,6,7,8-HpCDD	1.99e4	1.02	NO	0.8839	1.000	39.80	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	1,2,3,6,7,8-PeCDF	2.87e4	0.74	NO	0.7510	1.000	35.60	1.001	1.91	98.8	0.0511	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	0.0517	10.7
10	1,2,3,4,7,8-HxCDF	1.39e4	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	34.01	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	1,2,3,4,6,7,8-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-HpCDF	6.49e4	1.24	NO	0.9707	1.000	35.62	1.000	10.3	102	0.0661	10.3
15	1,2,3,4,6,7,8-HpCDF	3.72e4	1.00	NO	0.8734	1.000	37.40	1.001	10.1	101	0.0628	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	0.0661	10.4
17	OCDF	5.58e4	0.39	NO	0.8595	1.000	41.90	1.000	26.3	103	0.0967	26.3
18	1,2,3,6,7,8-PeCDD	1.31e5	0.79	NO	1.1562	1.000	26.04	1.025	39.0	39.8	0.0809	
19	1,2,3,7,8-PeCDD	9.26e4	0.63	NO	0.8499	1.000	31.50	1.216	98.0	98.1	0.123	
20	1,2,3,4,7,8-HxCDD	6.61e5	1.27	NO	0.7790	1.000	24.97	1.014	37.0	37.2	0.149	
21	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	3.28	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	5.89e4	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	0.0569	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	0.1005	21.0
8	1,2,3,7,8-HxCDF	2.87e4	0.74	NO	0.7510	1.000	25.09	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	0.0683	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	0.0595	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	0.9128	1.000	39.38	1.000	10.4	104	0.0601	10.4
17	CDF	3.56e4	0.60	NO	0.8985	1.000	41.96	1.000	25.4	103	0.0963	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	0.0663	
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	



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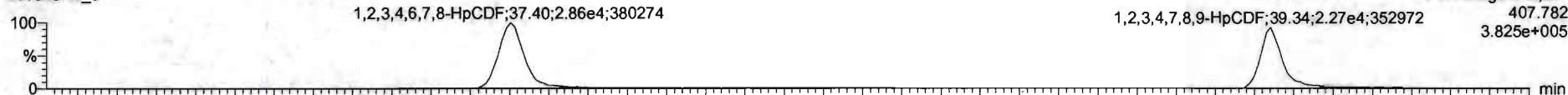
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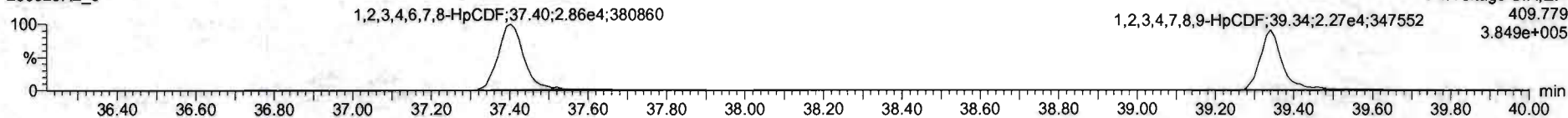
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200528R2_3



200528R2_3

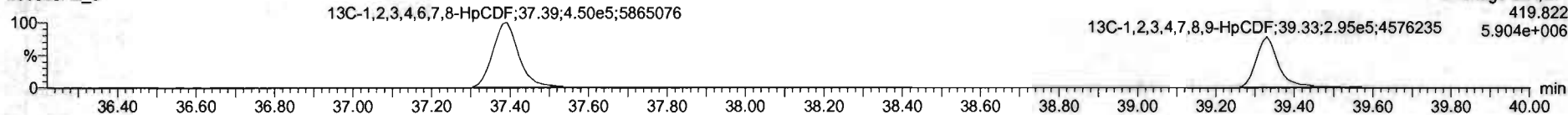


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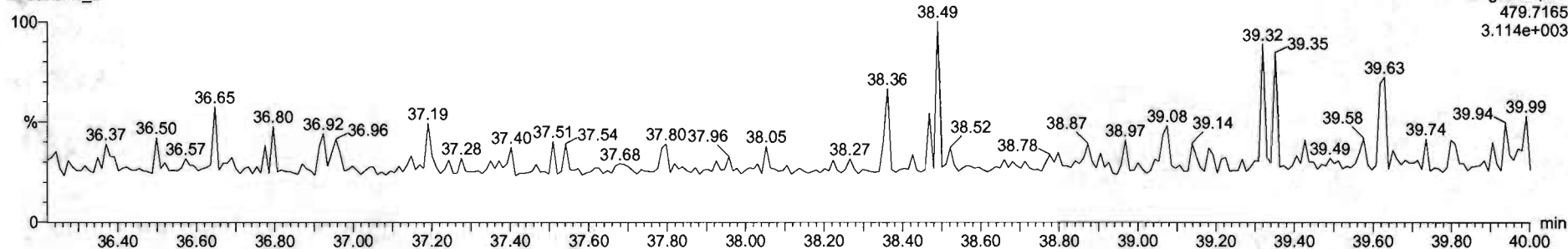


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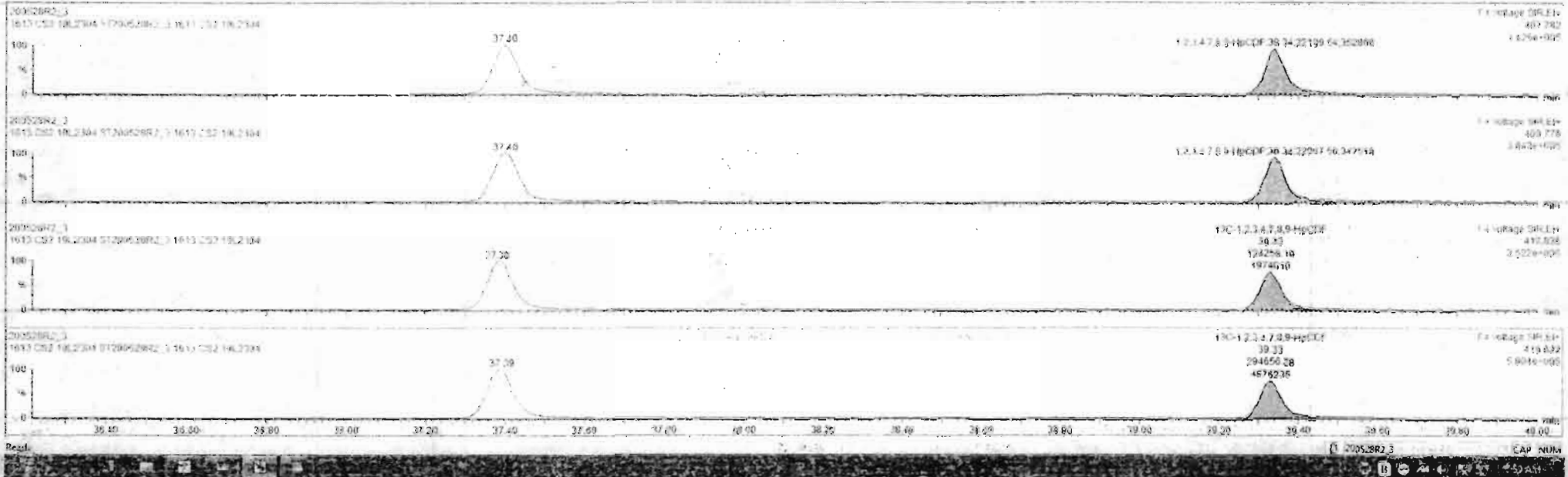
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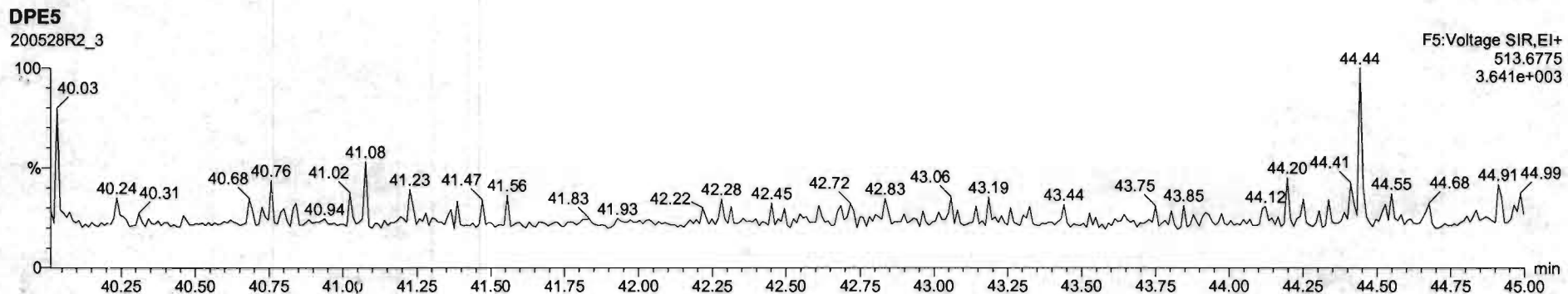
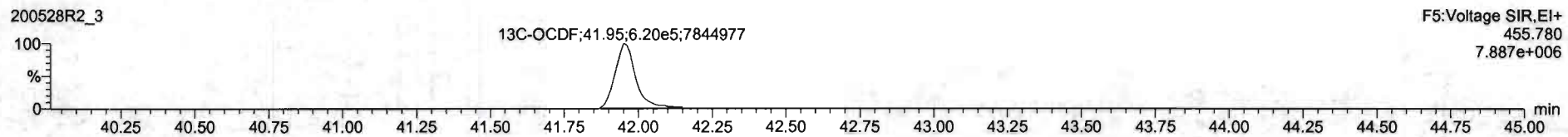
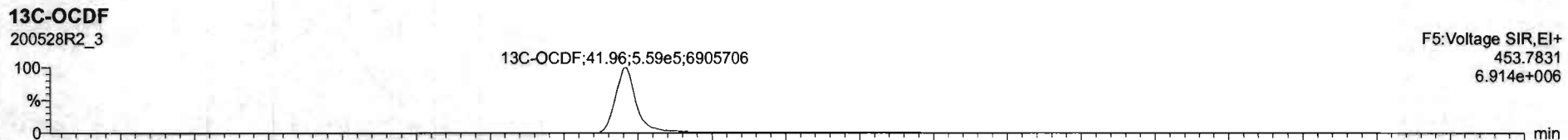
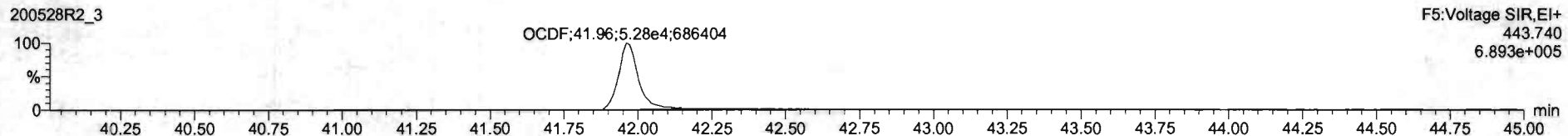
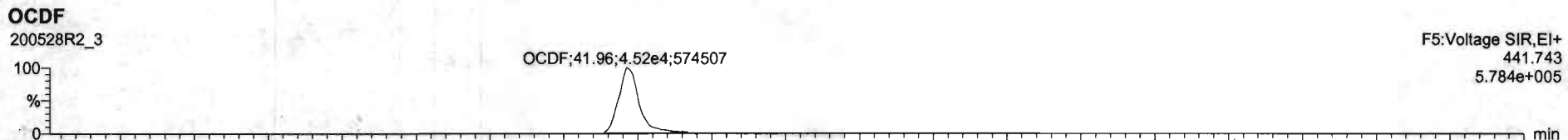
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3	1,2,3,4,7,8-HxCDF	8.90e3	1.24	NO	1.0334	1.00	34.05	1.00	10.0	107	0.0501	10.2
4	1,2,3,6,7,8-HxCDF	8.01e3	1.04	NO	0.9623	1.00	34.36	1.00	10.0	107	0.0559	10.2
5	1,2,3,7,8-HxCDF	7.11e3	1.26	NO	0.8809	1.00	35.26	1.00	10.0	107	0.0579	10.3
6	1,2,3,4,6,7,8-HpCDF	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	31.75	1.00	21.0	105	0.109	21.0
8	2,3,7,8-TCDF	2.77e4	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-PeCDF	1.31e4	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-PeCDF	1.31e4	1.05	NO	0.9140	1.00	31.01	1.00	10.0	104	0.0475	10.4
11	1,2,3,4,7,8-HpCDF	7.91e3	1.02	NO	0.8240	1.00	34.05	1.00	10.0	106	0.0651	10.0
12	1,2,3,6,7,8-HpCDF	1.20e4	1.08	NO	0.9042	1.00	34.12	1.00	10.0	103	0.0595	10.0
13	2,3,4,7,8-HpCDF	8.50e3	1.05	NO	0.9341	1.00	34.71	1.00	10.0	105	0.0640	10.0
14	1,2,3,7,8-HpCDF	8.49e3	1.24	NO	0.8707	1.00	35.92	1.00	10.0	103	0.0601	10.0
15	1,2,3,4,6,7,8-HpCDF	1.72e4	1.00	NO	0.9224	1.00	37.40	1.00	10.0	101	0.0620	10.0
16	1,2,3,4,7,8,9-HpCDF	4.43e4	1.03	NO	1.0120	1.00	39.34	1.00	10.0	104	0.0681	10.0
17	OCDF	9.86e3	0.00	NO	0.9060	1.00	41.30	1.00	26.6	103	0.0847	26.6
18	1,2,3,4,7,8-PeCDF	1.31e4	0.76	NO	1.1503	1.00	26.34	1.00	50.0	98.0	0.0800	50.0
19	1,2,3,4,7,8-PeCDF	9.39e3	0.03	NO	0.8450	1.00	31.00	1.00	10.0	98.0	0.123	10.0
20	1,2,3,4,7,8-PeCDF	8.61e3	1.27	NO	0.7790	1.00	34.07	1.00	10.0	97.0	0.100	10.0
21	1,2,3,4,6,7,8-PeCDF	6.39e3	1.20	NO	1.0107	1.00	34.07	1.00	10.0	94.7	0.140	10.0



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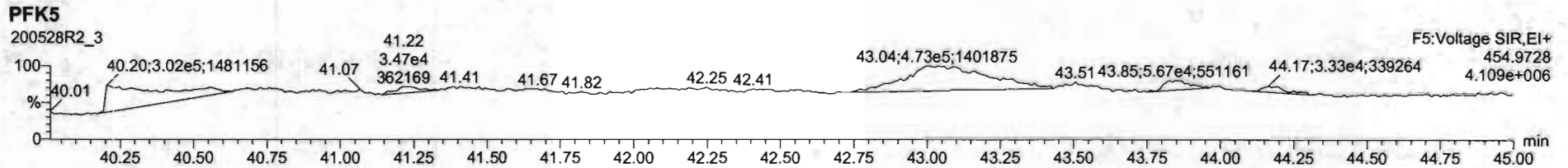
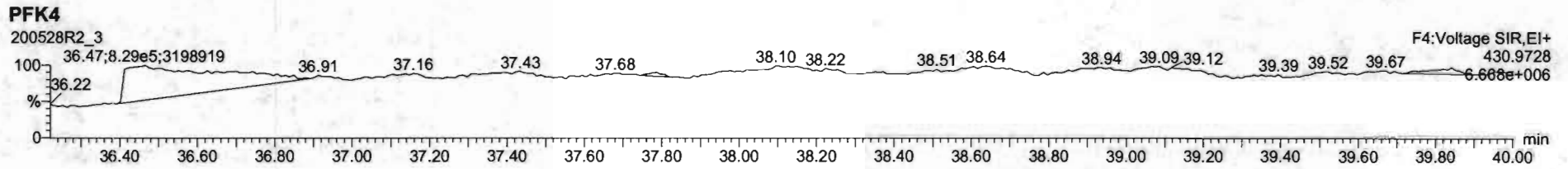
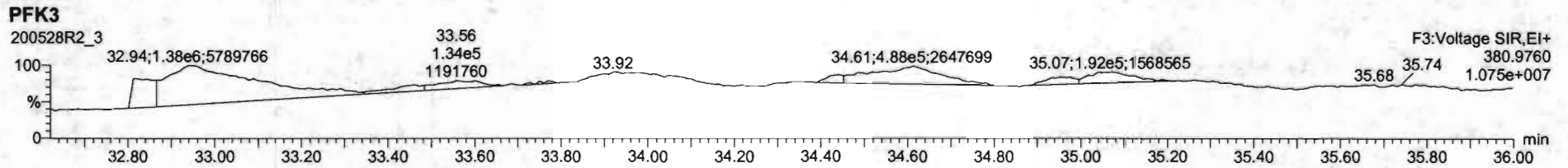
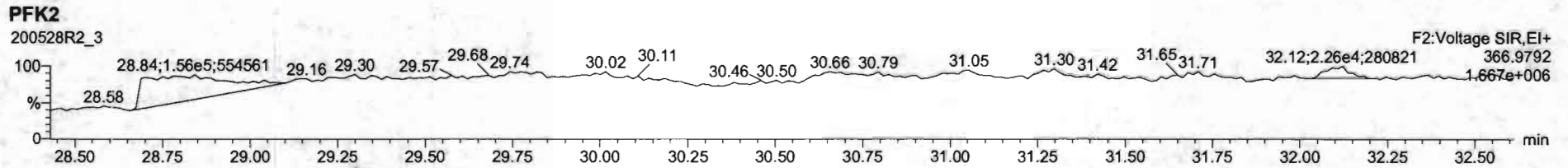
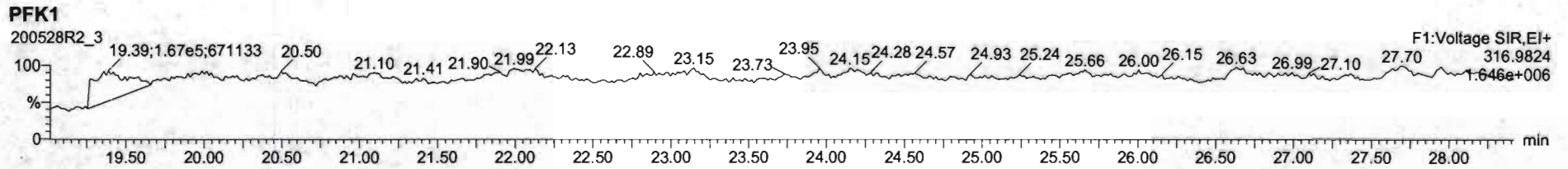


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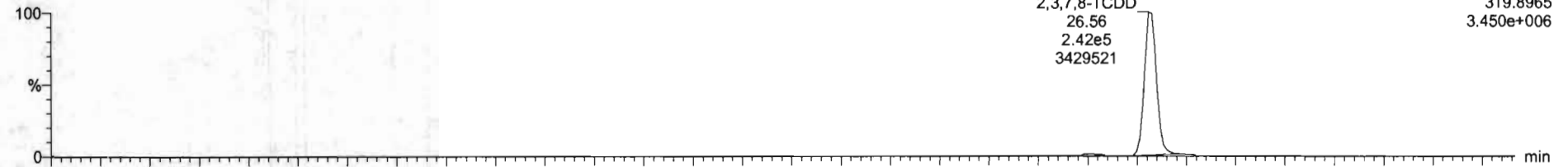
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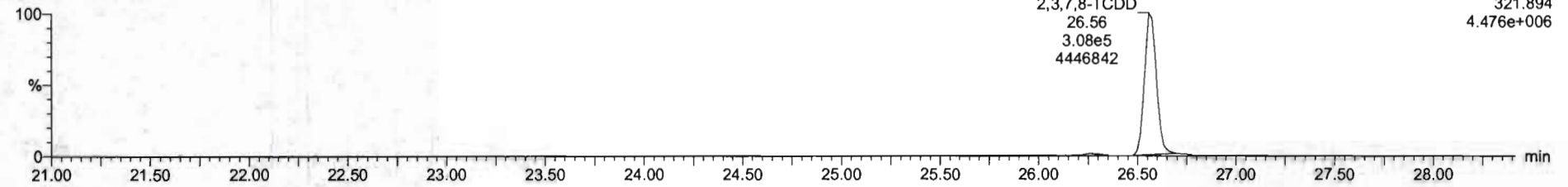
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2,3,7,8-TCDD

200528R2_4

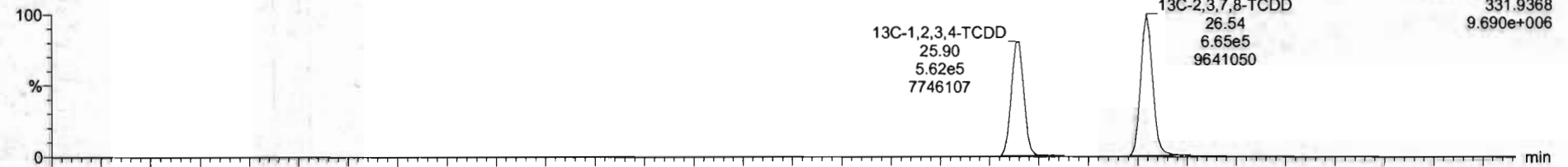


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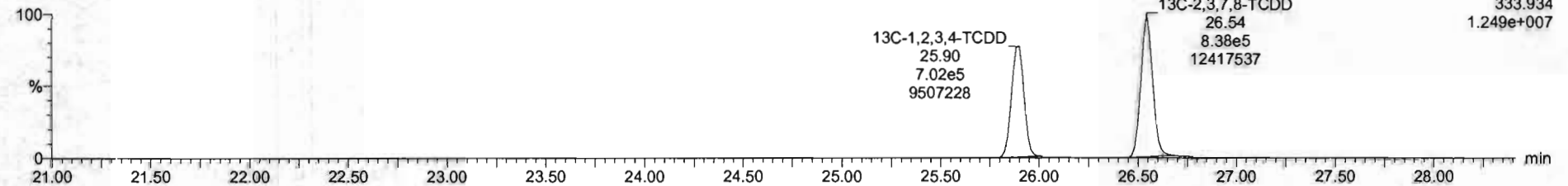


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200528R2_4



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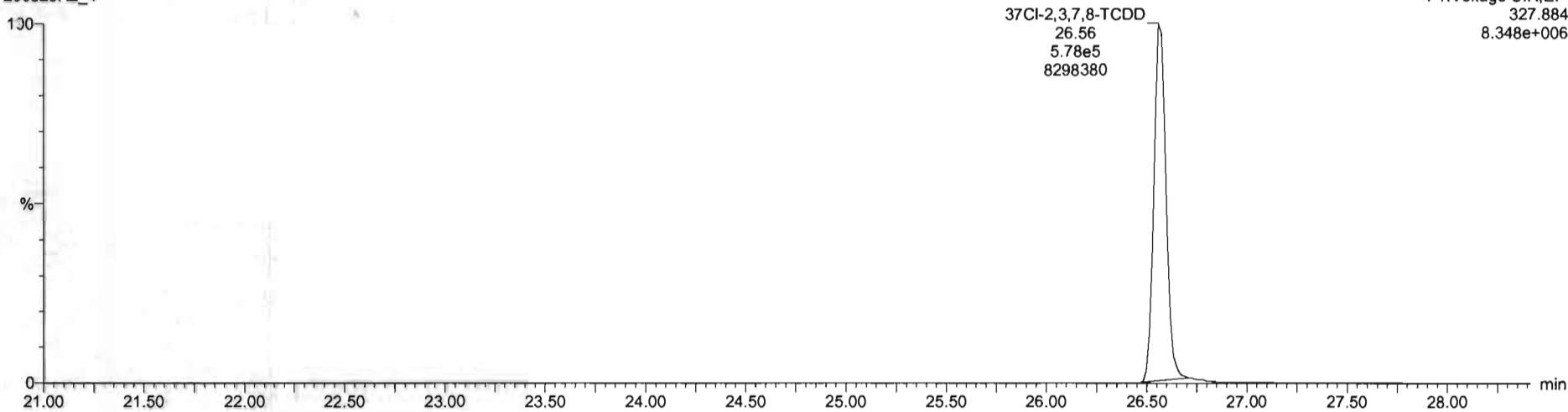
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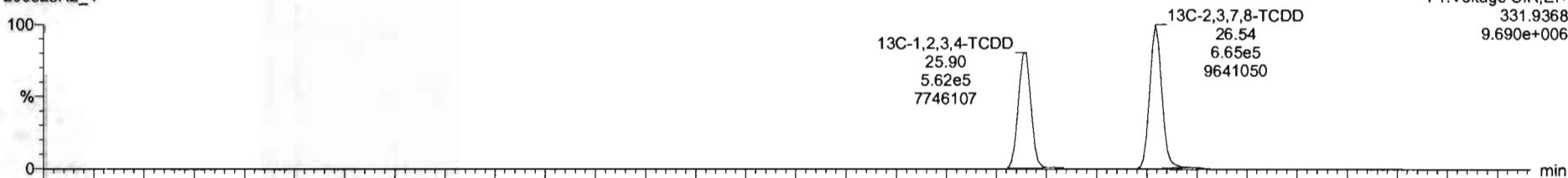
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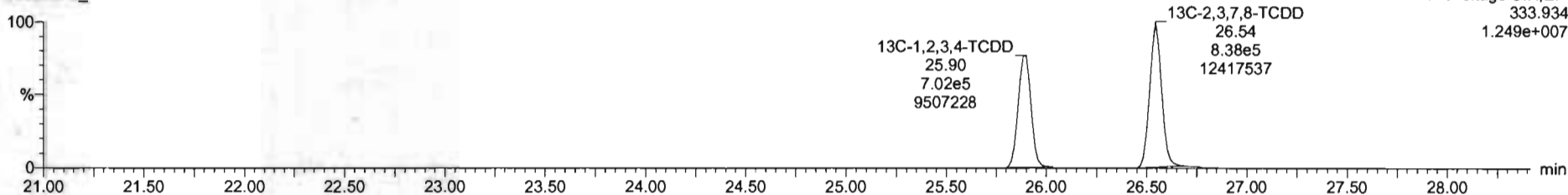


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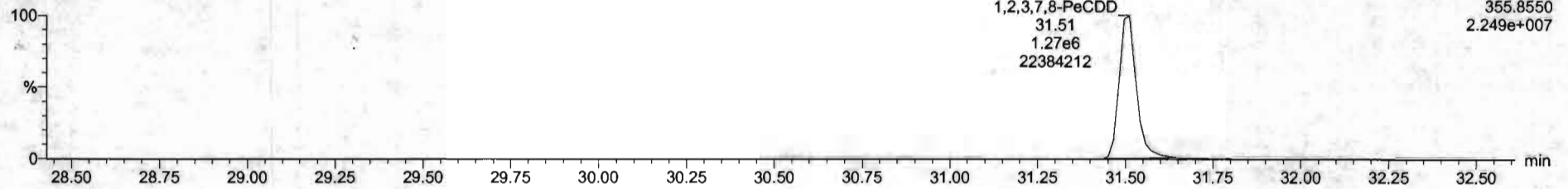
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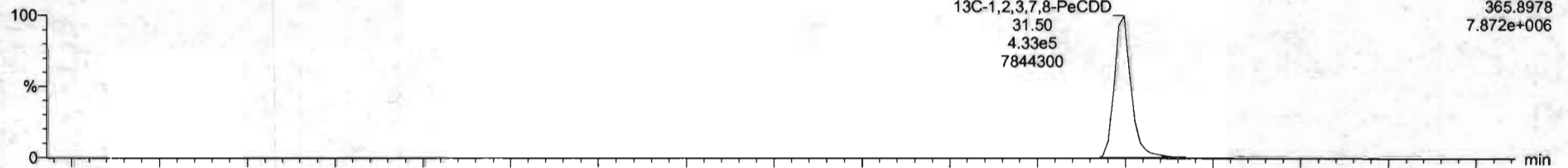


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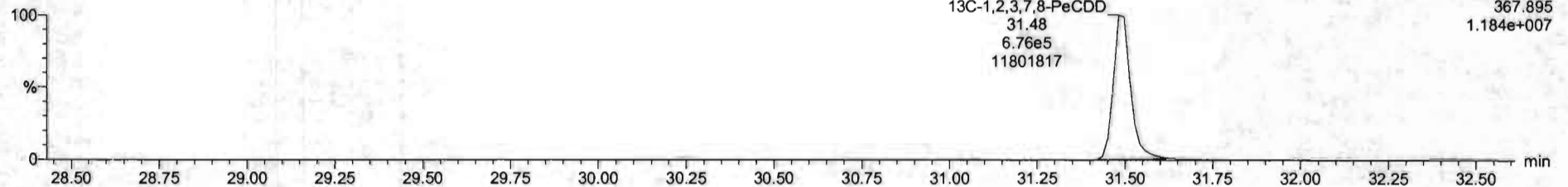


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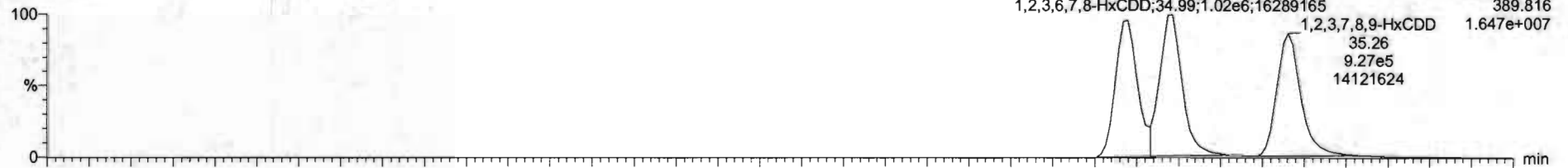
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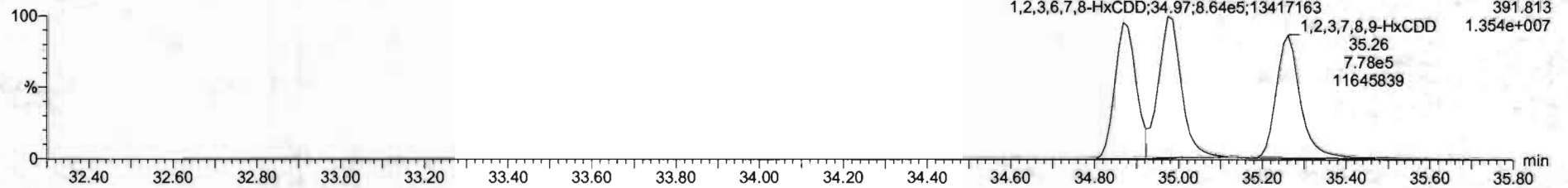
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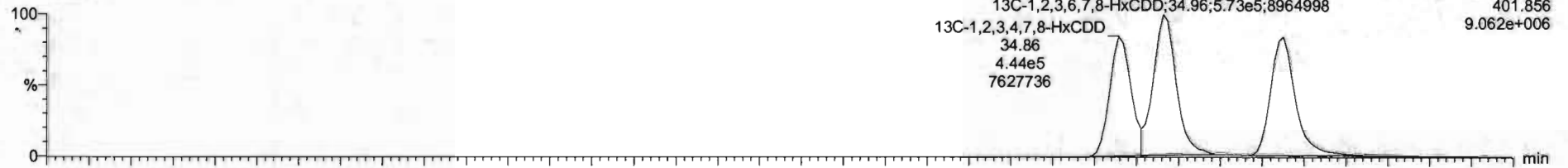


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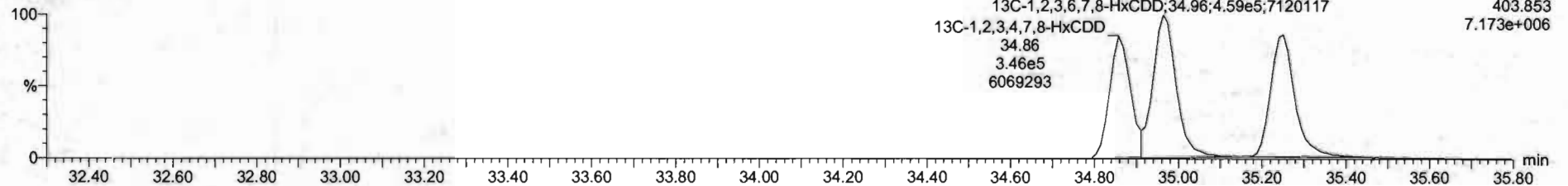


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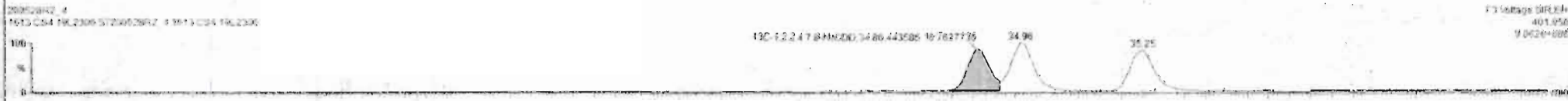
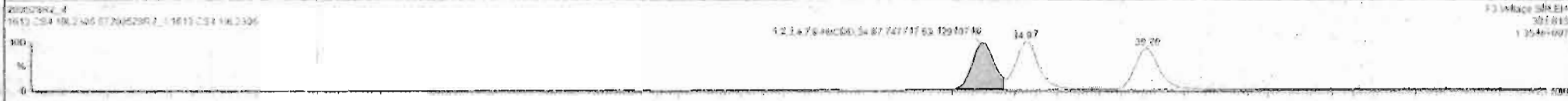
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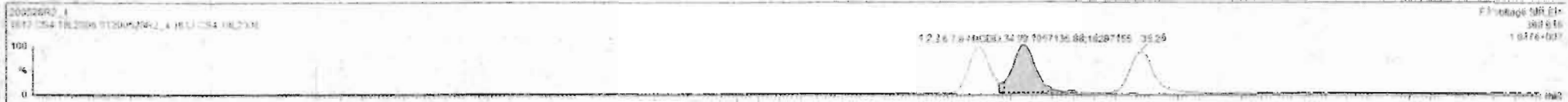
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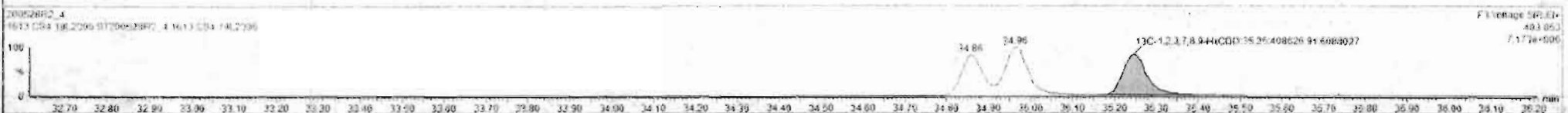
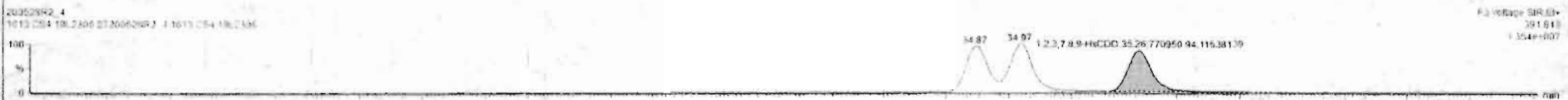
K1	Name	ResP	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1	1.2.3.7.8-TCDD	2.50e6	0.78	NO	0.882	1.000	26.99	1.001	41.2	101	0.129	41.2
2	1.2.3.7.8-HxCDD	2.25e6	0.83	NO	0.6091	1.000	31.51	1.000	205	102	0.0837	205
3	1.2.3.4.7.8-HxCDD	1.67e6	1.23	NO	1.0394	1.000	34.86	1.001	204	102	0.115	204
4	1.2.3.6.7.8-HxCDD	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	0.9136	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-HpCDF	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-HpCDF	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	1.0127	1.000	34.96	1.017	104	104	0.121	



#	Name	Keep	RA	RY	RF	WRet	RT	RRT	Conc	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	399	104	0.119	398
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	0.218	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-HxCDF	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	0.0307	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	0.0734	1.000	37.59	1.000	213	106	0.213	213
16	1.2.3.4.7.8-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	1.2.3.7.8-HxCDF	1.11e6	0.84	NO	0.0490	1.000	31.00	1.210	103	103	0.176	103
20	1.2.3.4.7.8-HxCDD	7.39e6	1.23	NO	0.7790	1.000	34.06	1.014	103	103	0.172	103
21	1.2.3.4.7.8-HxCDD	1.02e6	1.25	NO	1.0187	1.000	34.96	1.017	104	104	0.171	104



#	Name	Resp	RA	ny	RRF	wlvol	RT	RRT	Coef	%Rec	DL	IMP
1	1,2,3,7,8-TCDF	0.56e6	0.76	NO	0.8863	1.000	26.56	1.091	41.7	102	0.124	41.4
2	1,2,3,7,8-PeCDD	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-HxCDF	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-HxCDF	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-HpCDE	1.25e6	1.62	NO	0.8830	1.000	38.50	1.000	211	105	0.133	211
7	OCDD	2.45e6	0.87	NO	0.9136	1.000	41.77	1.000	397	99.4	0.100	397
8	1,2,3,6,7,8-PeCDF	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-HxCDF	2.84e6	1.54	NO	0.8920	1.000	30.21	1.000	207	101	0.119	207
10	1,2,3,4,7,8-HpCDF	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-HpCDF	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-TCDF	1.56e6	0.75	NO	1.1587	1.000	28.54	1.025	103	103	0.164	
19	1,2,3,7,8,9-PeCDD	0.11e6	0.64	NO	0.8460	1.000	31.50	1.216	103	103	0.130	
20	1,2,3,4,7,8-HxCDE	7.89e6	1.28	NO	0.7798	1.000	34.96	1.014	103	103	0.172	
21	1,2,3,4,6,7,8-HpCDD	1.03e6	1.35	NO	1.0187	1.000	34.96	1.017	104	104	0.121	



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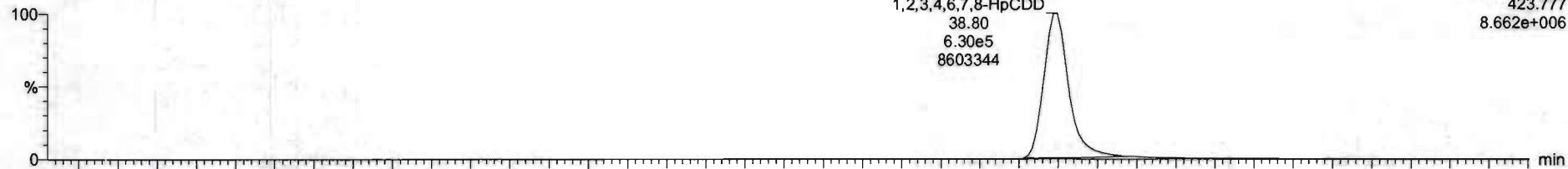
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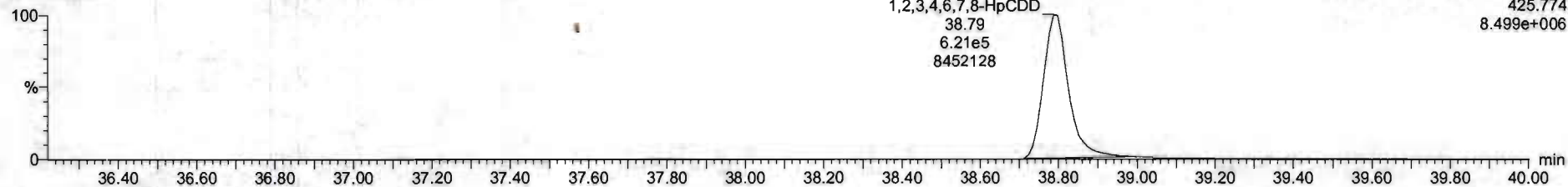
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1,2,3,4,6,7,8-HpCDD

200528R2_4

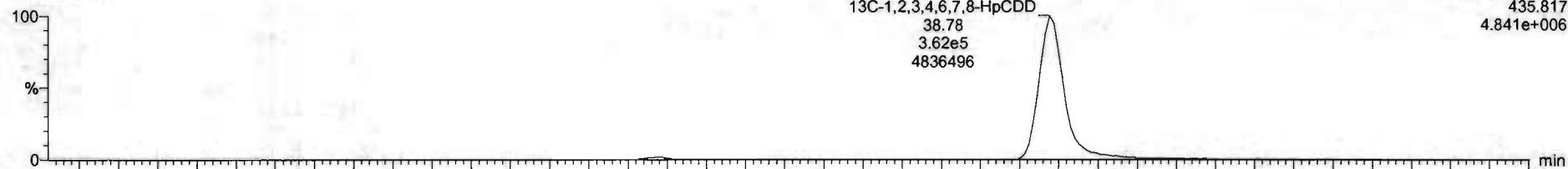


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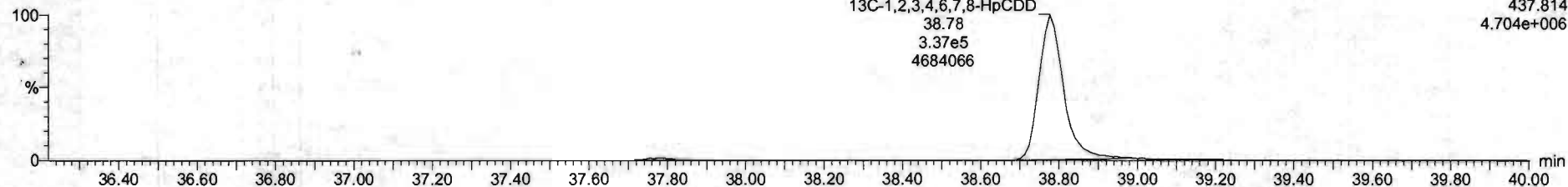


13C-1,2,3,4,6,7,8-HpCDD

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	38.56	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	6.52e6	0.76	NO	0.7510	1.000	29.68	1.001	42.0	107	0.123	42.0
9	1,2,3,7,8-HxCDF	3.94e6	1.54	NO	0.8325	1.000	30.21	1.000	203	101	0.118	203
10	1,2,3,4,7,8-PeCDF	3.06e6	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	0.221	208
12	1,2,3,6,7,8-HxCDF	2.16e6	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	2.00e6	1.19	NO	0.9341	1.000	34.71	1.001	207	103	0.219	207
14	1,2,3,7,8,9-HxCDF	1.60e6	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	37.35	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	38.32	1.000	214	107	0.227	214
17	CDF	2.54e6	0.87	NO	0.8085	1.000	41.96	1.000	402	100	0.171	402
18	1,2,3,7,8-TCDF	1.56e6	0.79	NO	1.1563	1.000	29.54	1.025	103	103	0.164	
19	1,2,3,4,6,7,8-HpCDF	1.11e6	0.84	NO	0.8490	1.000	31.30	1.216	103	103	0.139	
20	1,2,3,4,7,8,9-HpCDD	7.98e6	1.28	NO	0.7790	1.000	34.80	1.014	103	103	0.172	
21	1,2,3,4,6,7,8-HpCDD	1.03e6	1.25	NO	1.0167	1.000	34.96	1.017	104	104	0.131	



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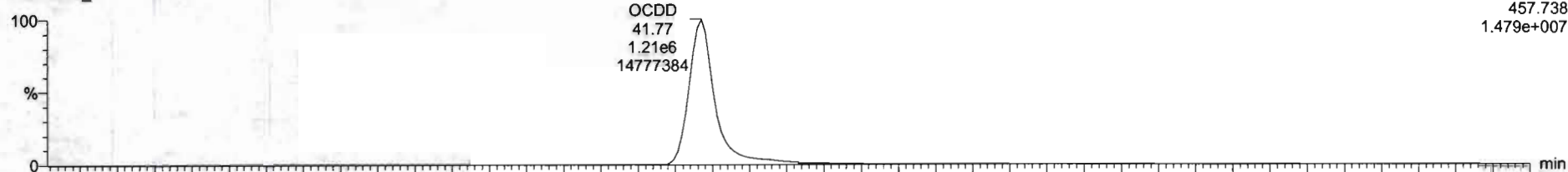
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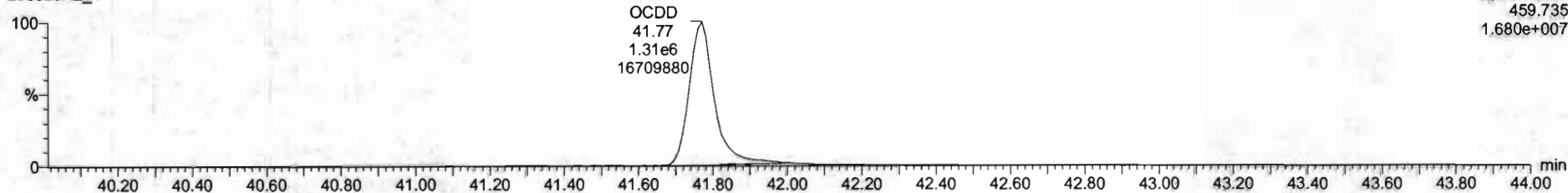
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OCDD

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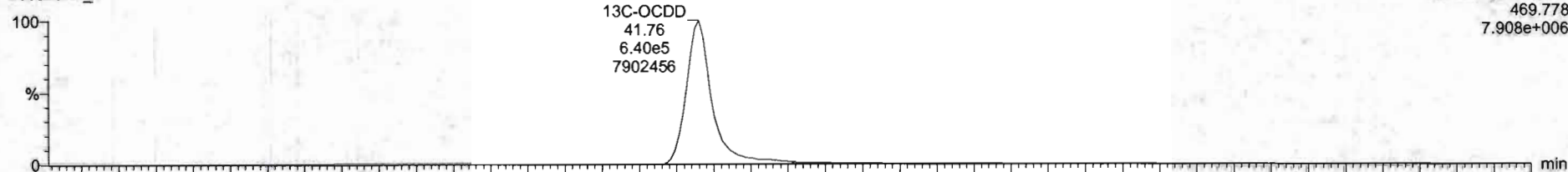


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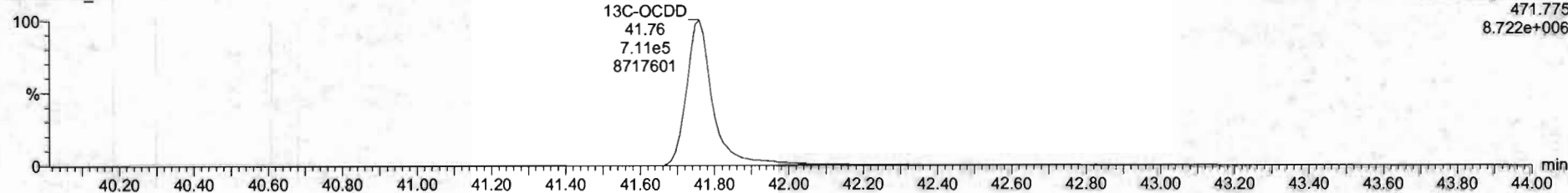


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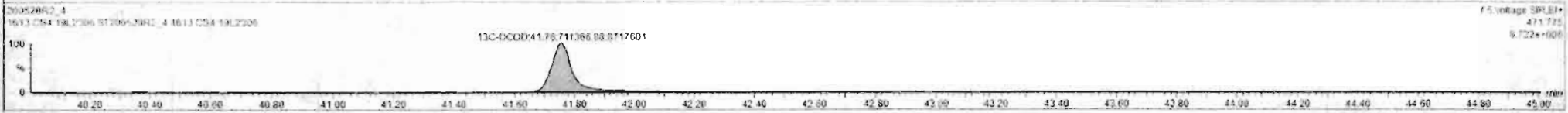
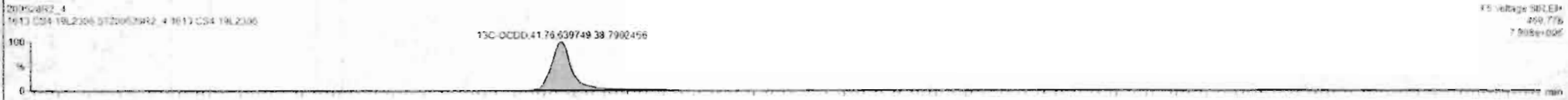
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200528R2_4



Sl	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	1.2.3.4.7.8.9-HpCDD	1.25e6	1.02	NO	0.8639	1.000	36.80	1.000	211	105	0.110	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	28.66	1.001	42.8	107	0.123	42.8
9	1.2.3.7.8-PeCDF	2.94e6	1.54	NO	0.8905	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	208
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	1.2.3.4.7.8.9-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	0.79	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	34.86	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	



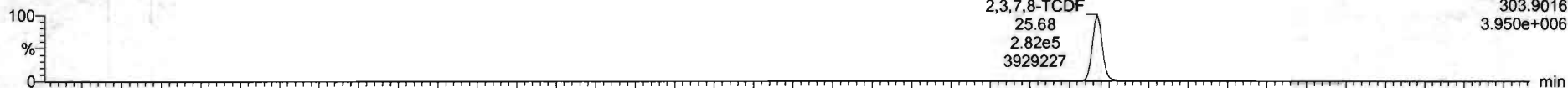
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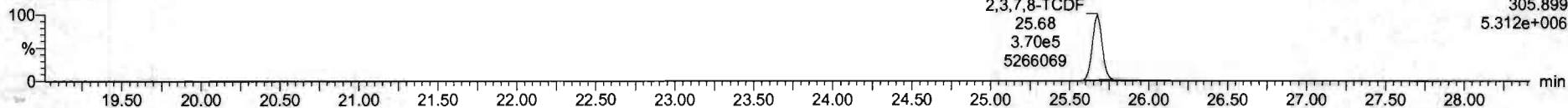
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2,3,7,8-TCDF

200528R2_4

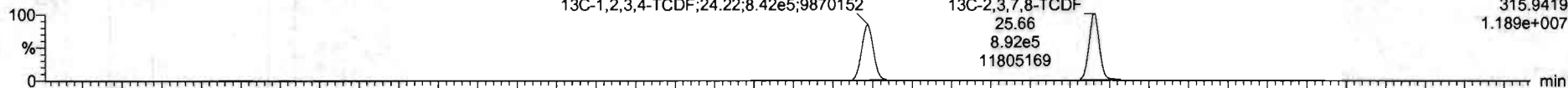


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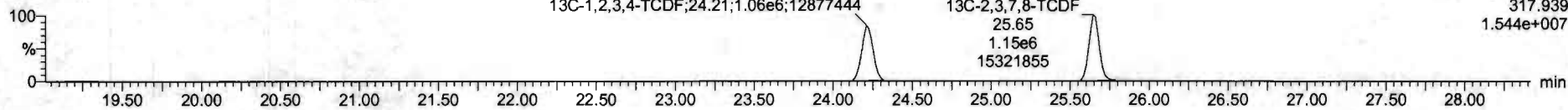


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200528R2_4

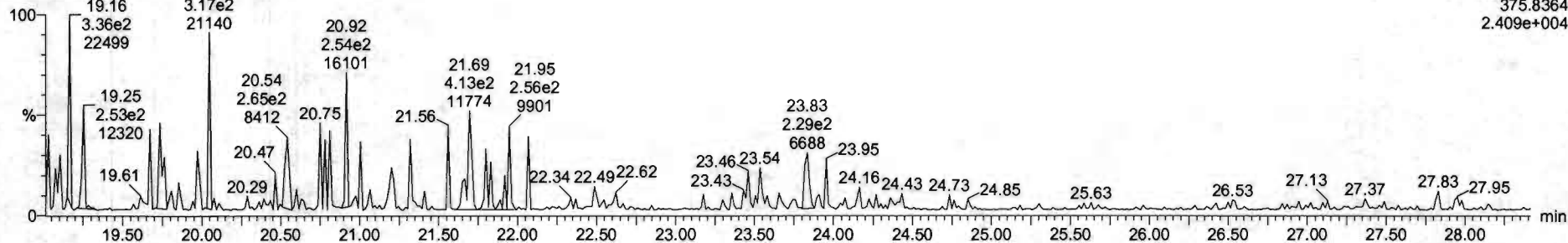


200528R2_4



DPE1

200528R2_4

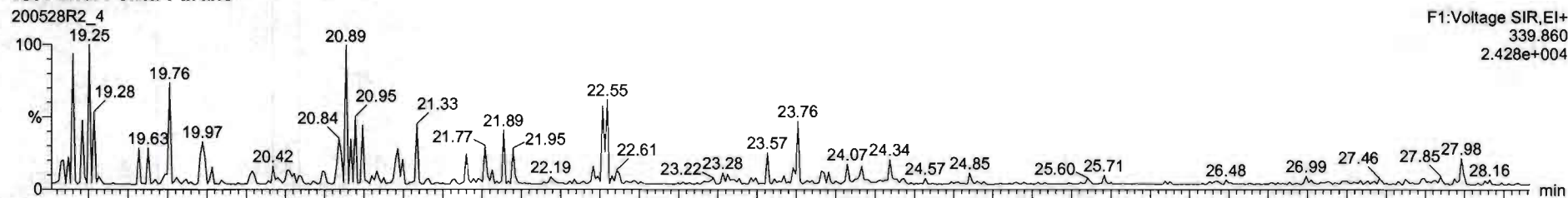


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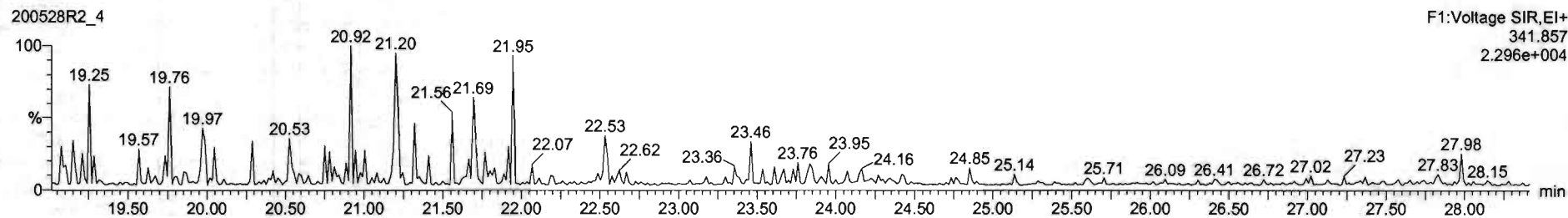
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Name: 200528R2_4, Date: 28-May-2020, Time: 14:15:50, ID: ST200528R2_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306

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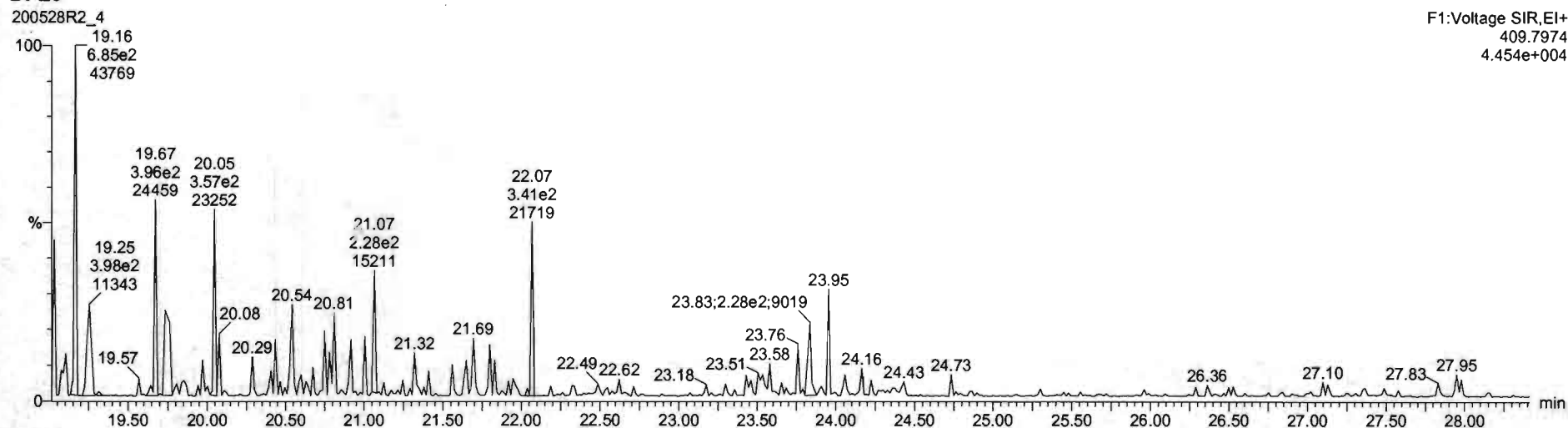


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F1:Voltage SIR,EI+
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DPE6



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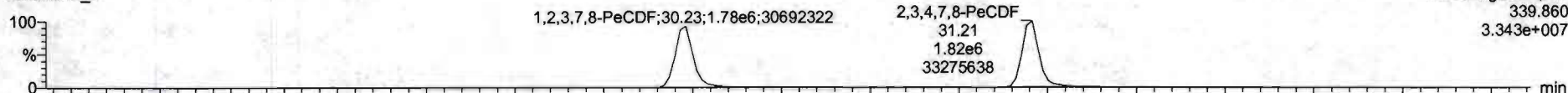
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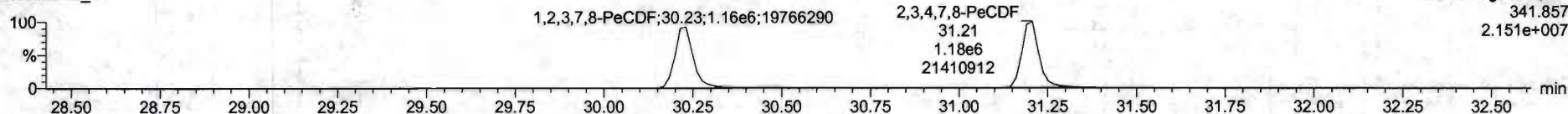
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1,2,3,7,8-PeCDF

200528R2_4

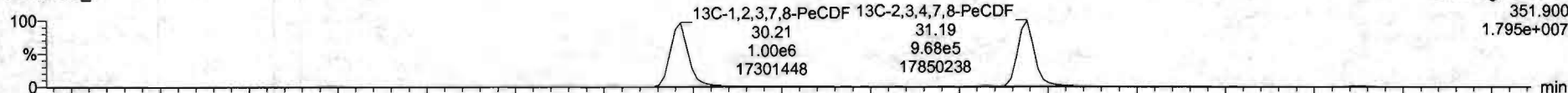


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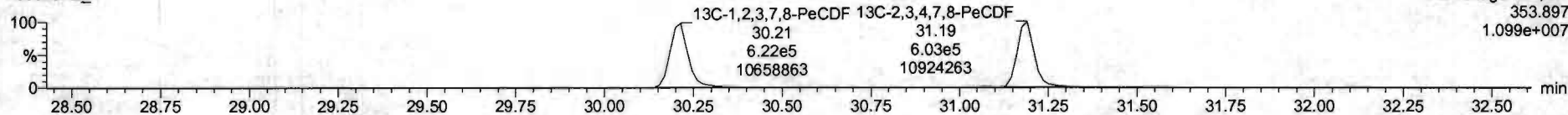


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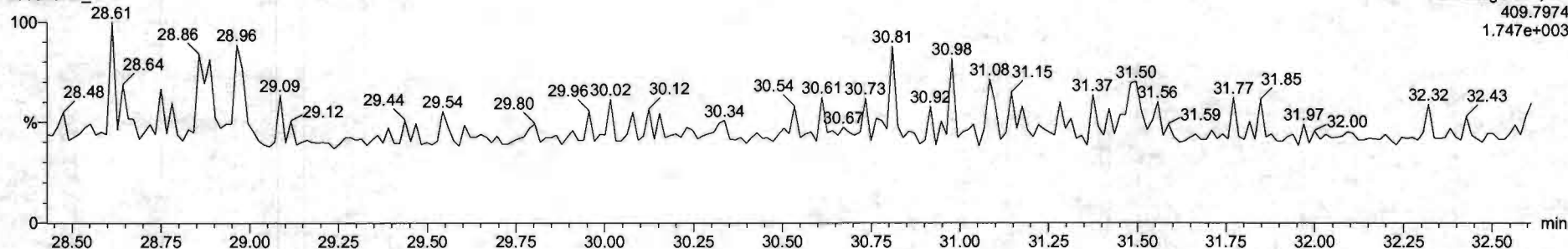


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DPE2

200528R2_4



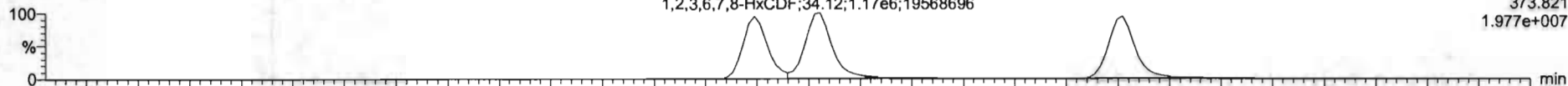
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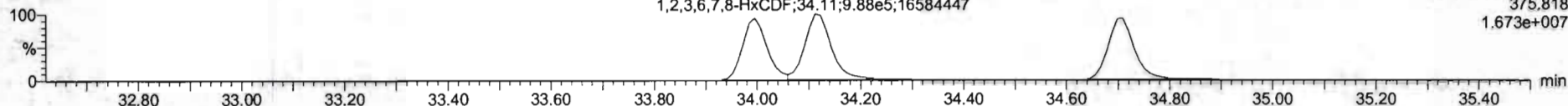
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1,2,3,4,7,8-HxCDF

200528R2_4

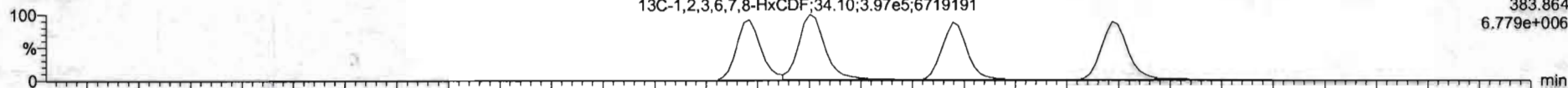


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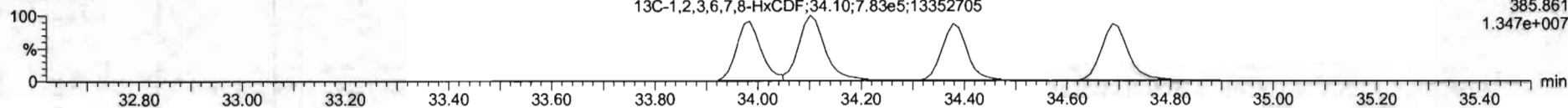


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200528R2_4

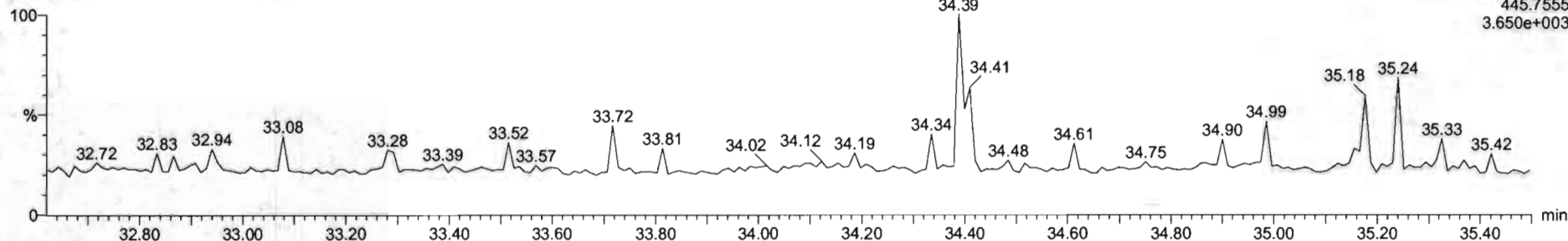


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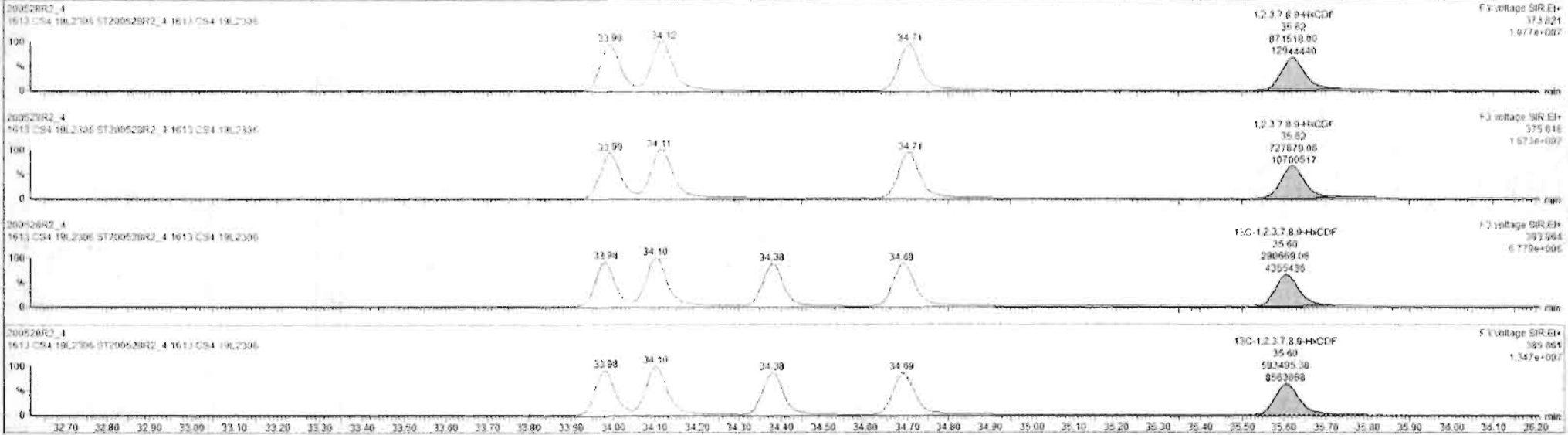


DPE3

200528R2_4



#	Name	Resp	RA	ntf	RRF	wf/wr	RT	RRT	Conc	%Rec	DL	ERFC
1	1.2.3.7.8-TCDD	3.56e5	0.78	NO	0.2883	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	31.91	1.000	285	100	0.0837	209
3	1.2.3.4.7.8-HxCDD	1.67e6	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	1.000	240	105	0.133	240
6	1.2.3.4.6.7.8-HpCDD	1.25e6	1.02	NO	0.8639	1.000	36.86	1.000	211	106	0.128	211
7	OCDD	2.45e6	0.87	NO	0.9136	1.000	41.27	1.000	397	99.4	0.182	397
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	105	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	1.60e6	1.28	NO	0.6787	1.000	25.62	1.001	290	104	0.313	290
15	1.2.3.4.6.7.8-HpCDF	1.43e6	0.99	NO	0.8714	1.000	31.39	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	30.32	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	1.025	103	101	0.194	
19	13C-1.2.3.7.8-HxCDD	1.11e6	0.64	NO	0.6468	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	34.96	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	0.124	



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20052BR2_4 CAP NUM

8:00 AM

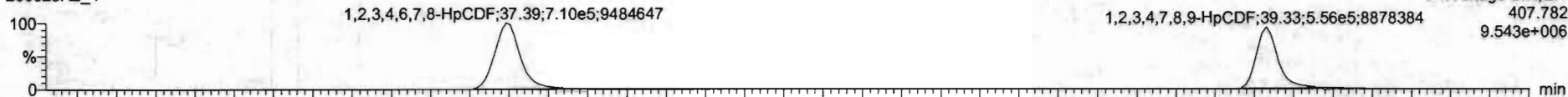
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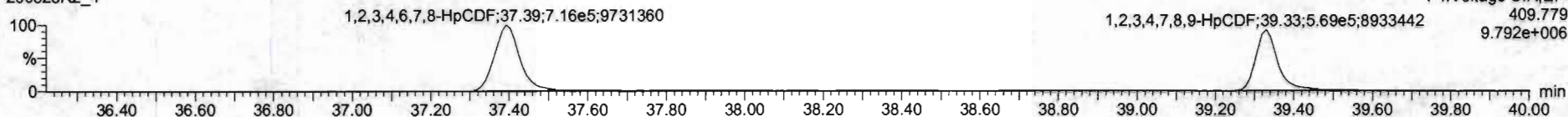
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1,2,3,4,6,7,8-HpCDF

200528R2_4

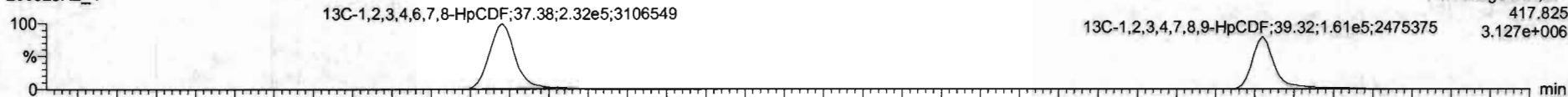


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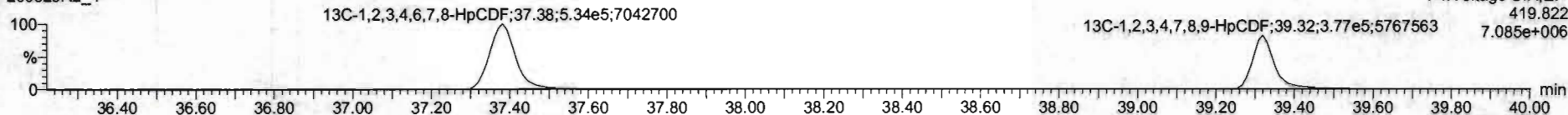


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200528R2_4

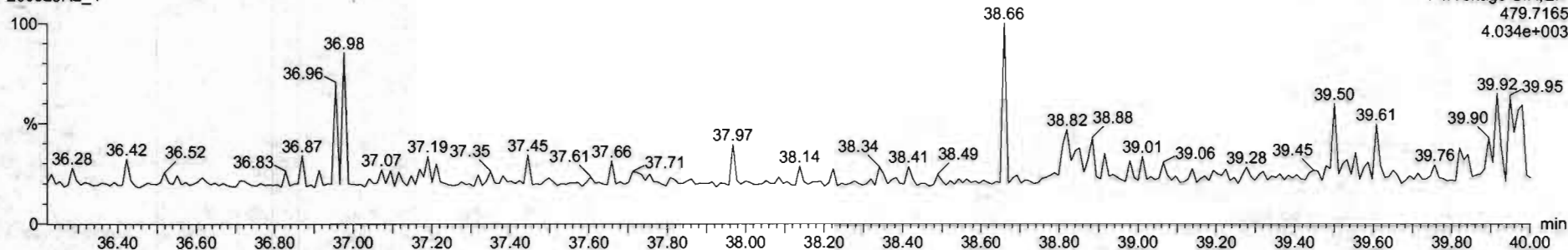


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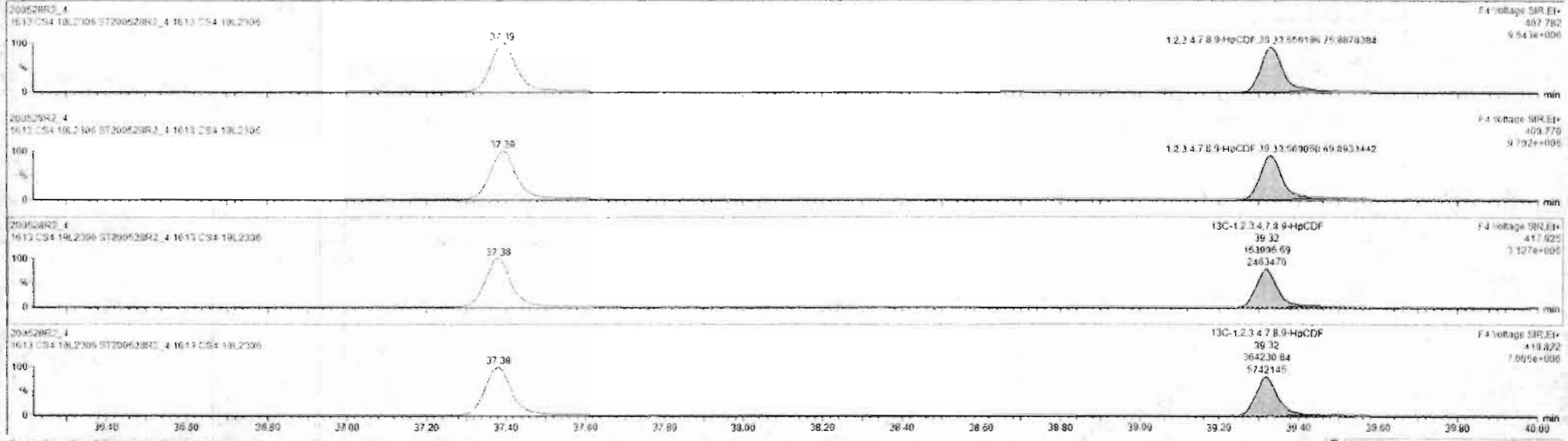


DPE4

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	1.60e6	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	0.132	
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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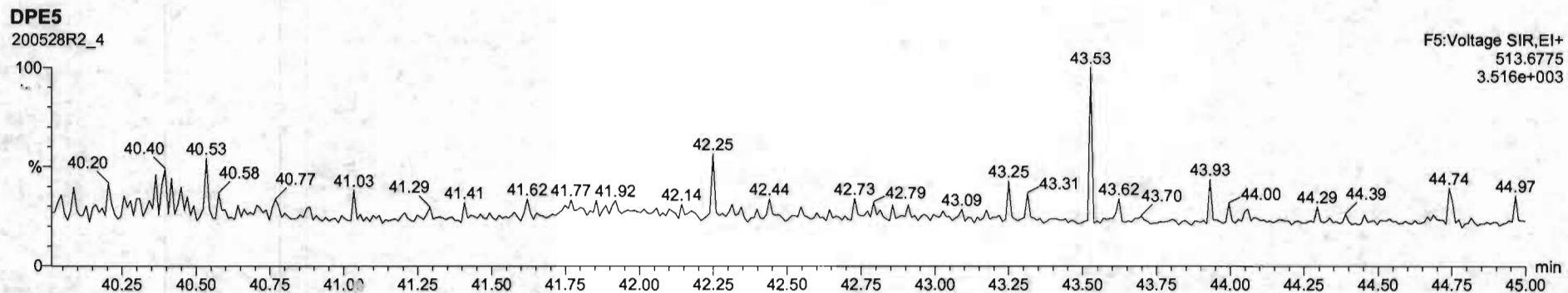
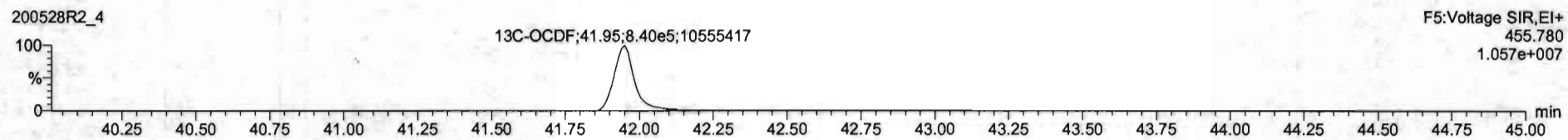
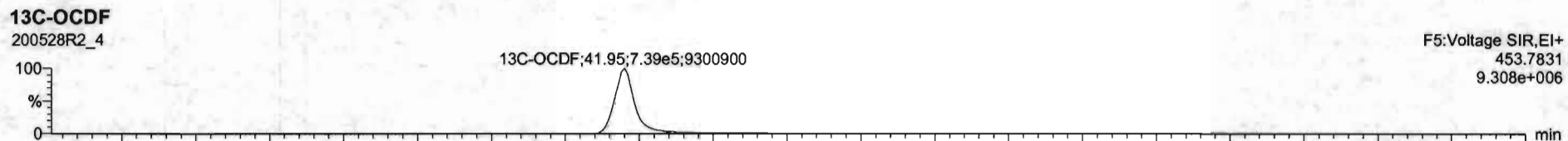
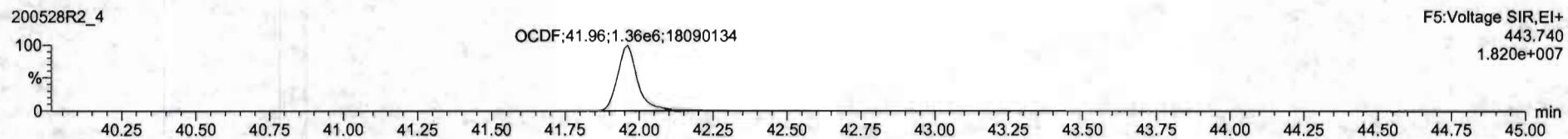
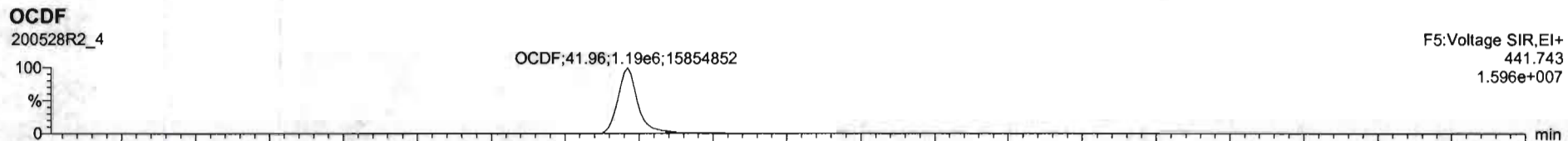
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Name: 200528R2_4, Date: 28-May-2020, Time: 14:15:50, ID: ST200528R2_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306



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1	2.3.1.6-TCDD	1.50e5	0.78	NO	0.8863	1.000	26.56	1.001	41.2	101	0.124	41.2
2	1.2.3.7.5-PeCDD	2.06e6	0.83	NO	0.6061	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	1.2.3.7.8.9-HxCDD	1.76e6	1.20	NO	0.8265	1.000	35.26	1.000	210	105	0.123	210
6	1.2.3.4.6.7.8-HpCDD	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	2.3.7.6-TCDF	0.52e5	0.76	NO	0.7510	1.000	25.05	1.001	42.0	107	0.127	42.0
9	1.2.3.7.8-PeCDF	2.94e6	1.54	NO	0.8925	1.000	36.23	1.000	203	101	0.118	203
10	1.2.3.4.7.8-HxCDF	2.00e6	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	32.99	1.000	208	104	0.221	208
12	1.2.3.6.7.8-HxCDF	2.16e6	1.18	NO	0.8852	1.000	34.12	1.001	206	103	0.203	206
13	2.3.4.6.7.8-HxCDF	2.08e6	1.19	NO	0.9341	1.000	34.21	1.001	207	103	0.219	207
14	1.2.3.7.8.9-HxCDF	1.60e6	1.20	NO	0.8757	1.000	35.42	1.001	206	104	0.213	206
15	1.2.3.4.6.7.8-HpCDF	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-HpCDF	1.13e6	0.93	NO	1.0120	1.000	39.32	1.000	214	107	0.227	214
17	OCDF	2.54e6	0.87	NO	0.8055	1.000	41.96	1.000	402	100	0.171	402
18	1.2.3.2.3.7.8-TCDF	1.56e6	0.79	NO	1.1563	1.000	26.54	1.025	102	101	0.164	
19	1.2.3.1.2.3.7.8-PeCDD	0.11e6	0.84	NO	0.6496	1.000	31.50	1.216	103	103	0.130	
20	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	1.2.3.4.7.8-HxCDD	1.03e6	1.25	NO	1.0187	1.000	34.96	1.017	104	104	0.121	



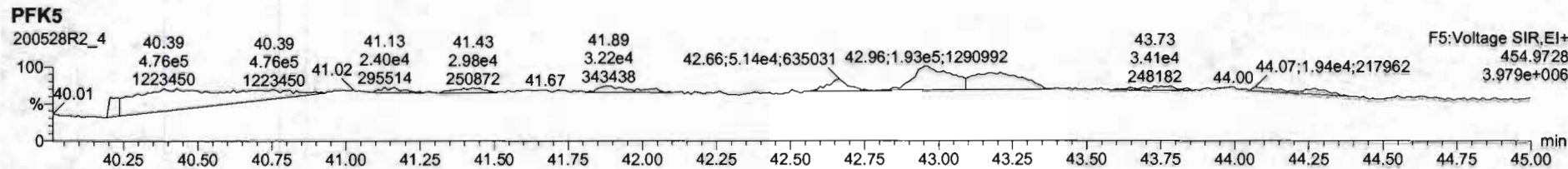
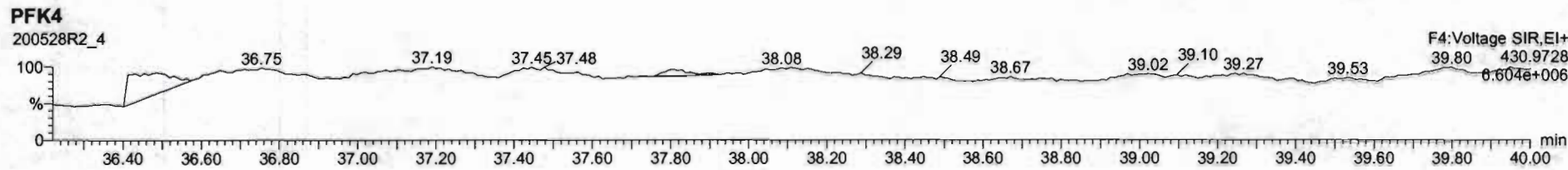
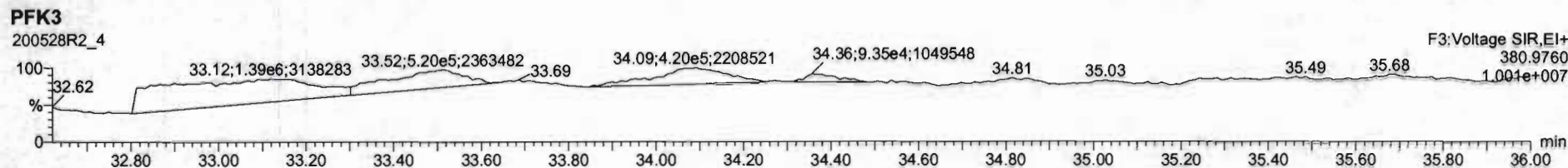
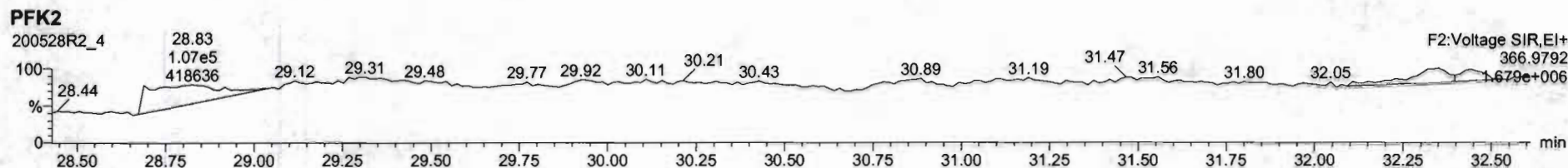
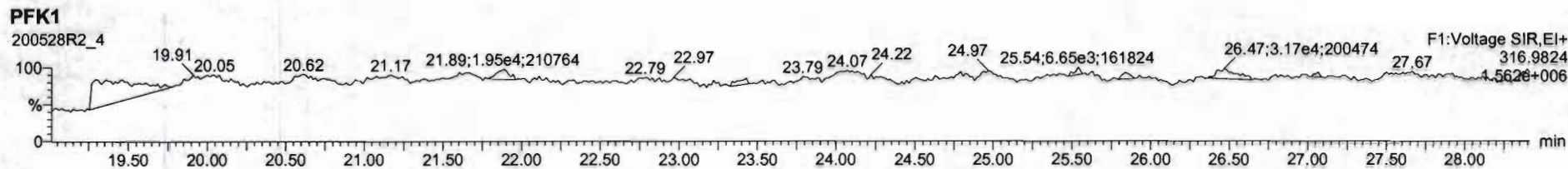
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

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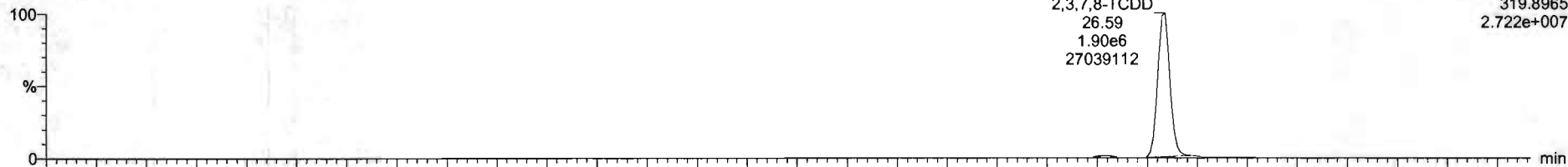
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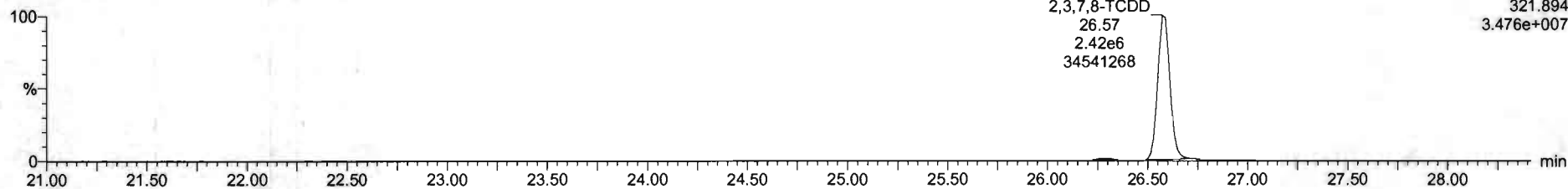
2,3,7,8-TCDD

200528R2_5



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319.8965
2.722e+007

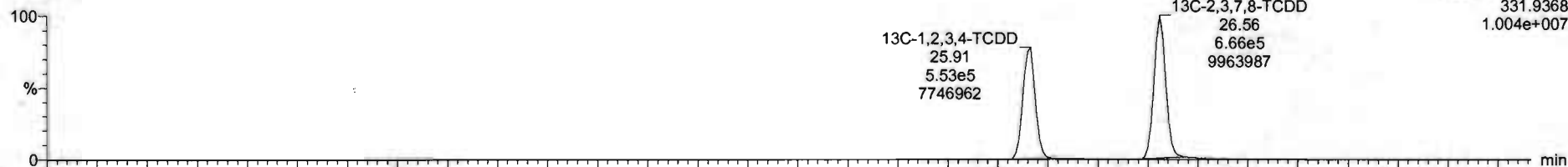
200528R2_5



F1:Voltage SIR,EI+
321.894
3.476e+007

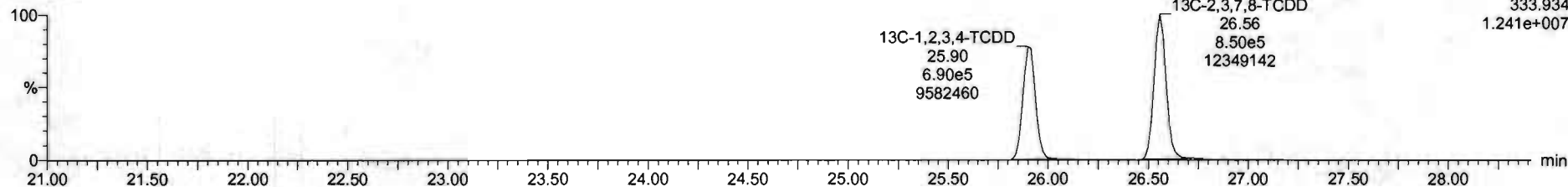
13C-2,3,7,8-TCDD

200528R2_5



F1:Voltage SIR,EI+
331.9368
1.004e+007

200528R2_5



F1:Voltage SIR,EI+
333.934
1.241e+007

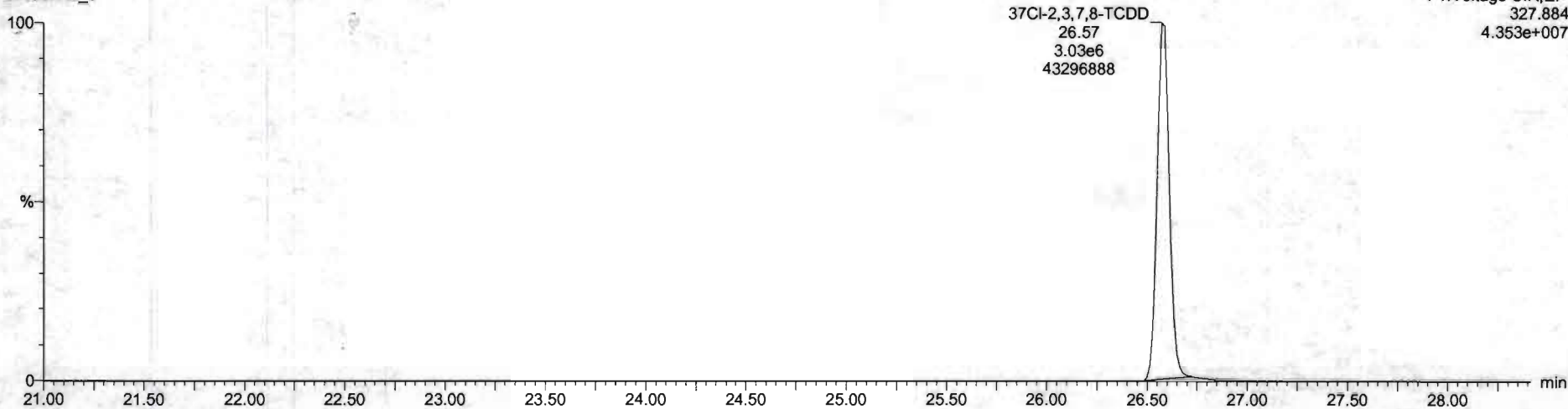
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_5, Date: 28-May-2020, Time: 15:02:56, ID: ST200528R2_5 1613 CS5 19L2307, Description: 1613 CS5 19L2307

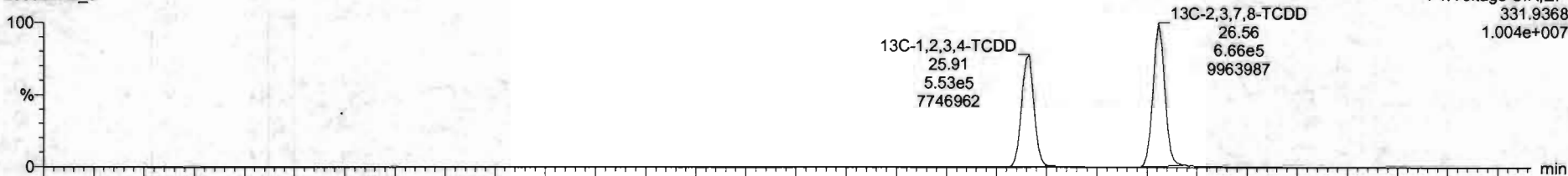
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200528R2_5

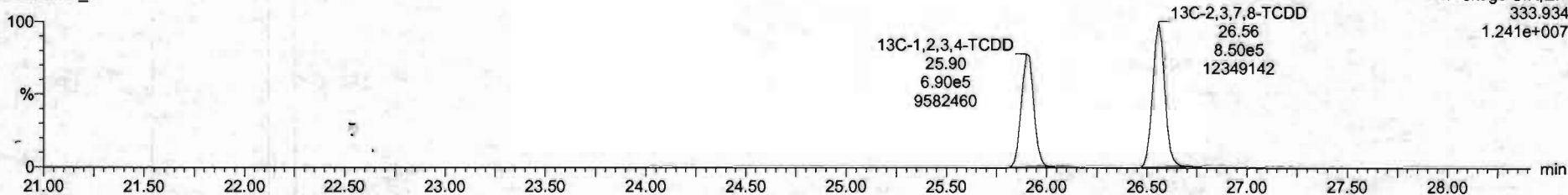


13C-1,2,3,4-TCDD

200528R2_5



200528R2_5



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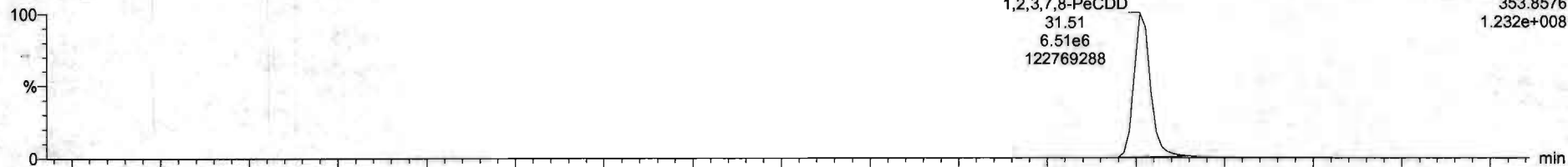
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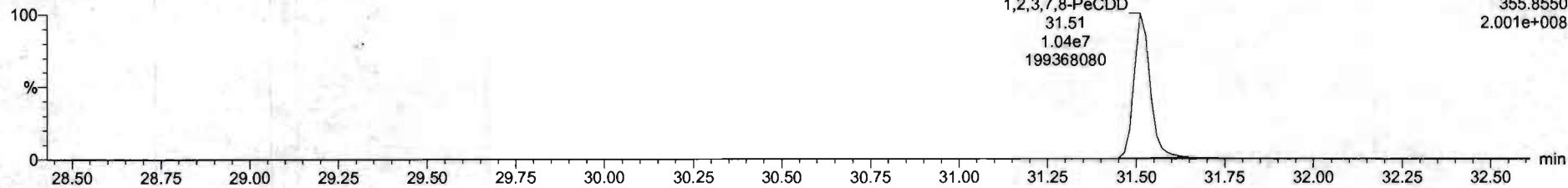
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1,2,3,7,8-PeCDD

200528R2_5

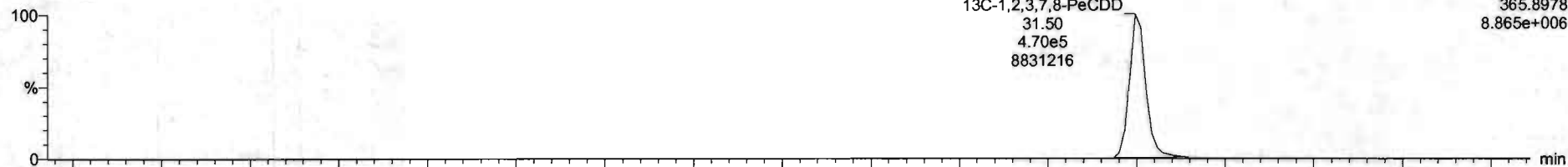


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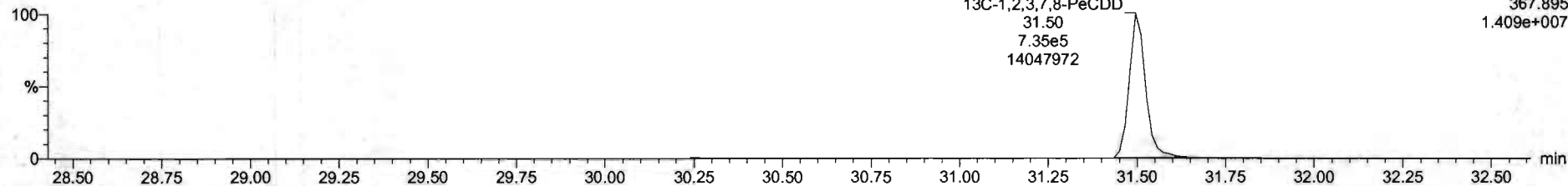


13C-1,2,3,7,8-PeCDD

200528R2_5



200528R2_5



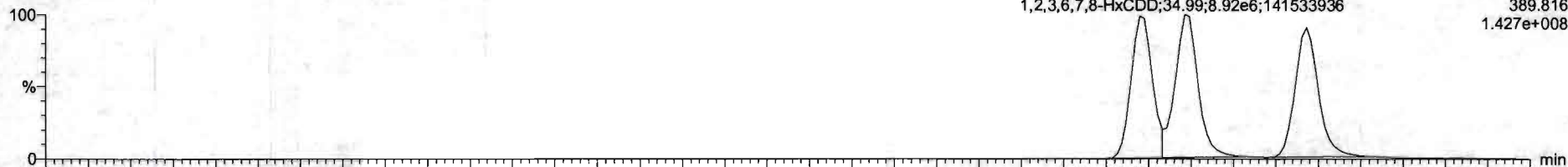
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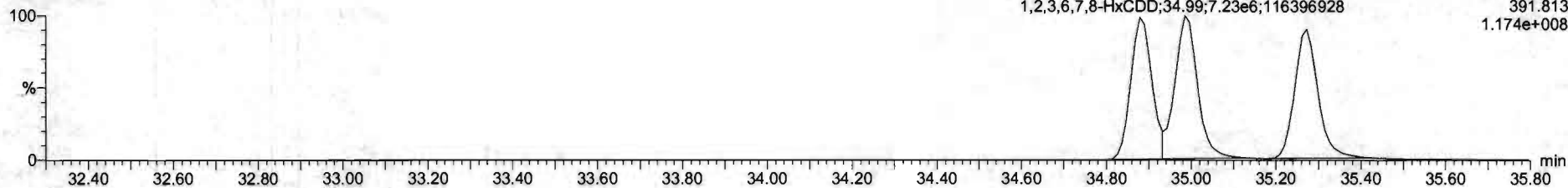
1,2,3,4,7,8-HxCDD

200528R2_5



F3:Voltage SIR,EI+
389.816
1.427e+008

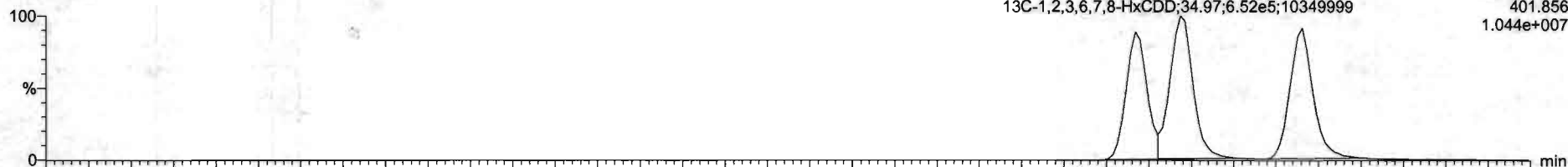
200528R2_5



F3:Voltage SIR,EI+
391.813
1.174e+008

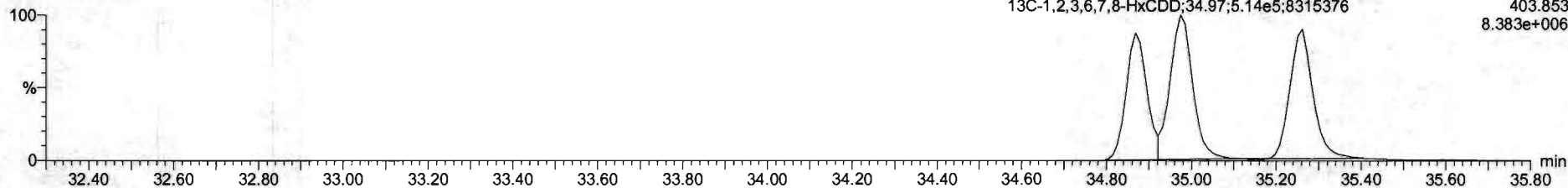
13C-1,2,3,4,7,8-HxCDD

200528R2_5



F3:Voltage SIR,EI+
401.856
1.044e+007

200528R2_5



F3:Voltage SIR,EI+
403.853
8.383e+006

Dataset: Untitled

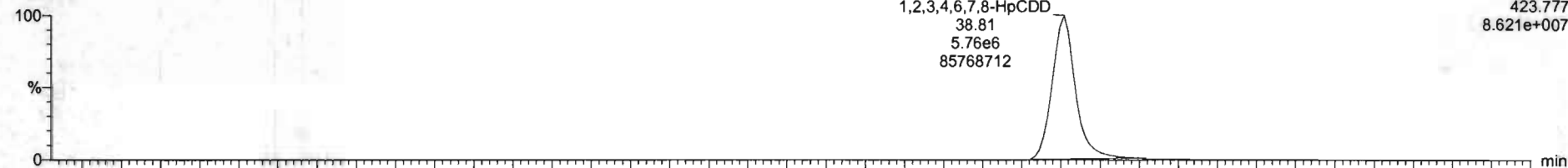
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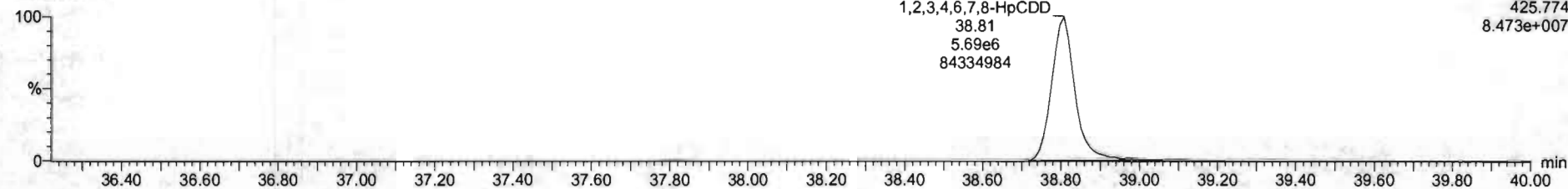
1,2,3,4,6,7,8-HpCDD

200528R2_5



F4:Voltage SIR,EI+
423.777
8.621e+007

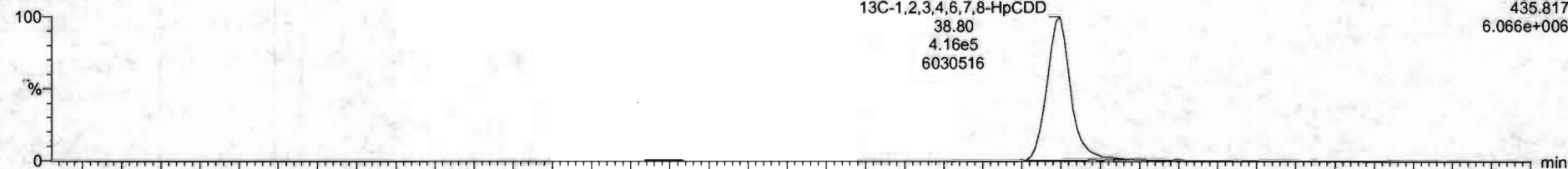
200528R2_5



F4:Voltage SIR,EI+
425.774
8.473e+007

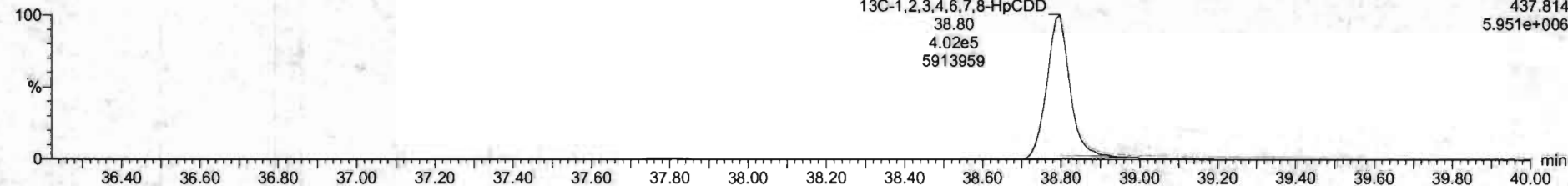
13C-1,2,3,4,6,7,8-HpCDD

200528R2_5



F4:Voltage SIR,EI+
435.817
6.066e+006

200528R2_5



F4:Voltage SIR,EI+
437.814
5.951e+006

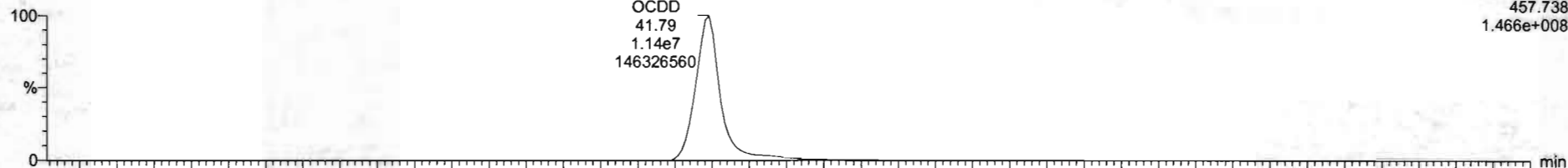
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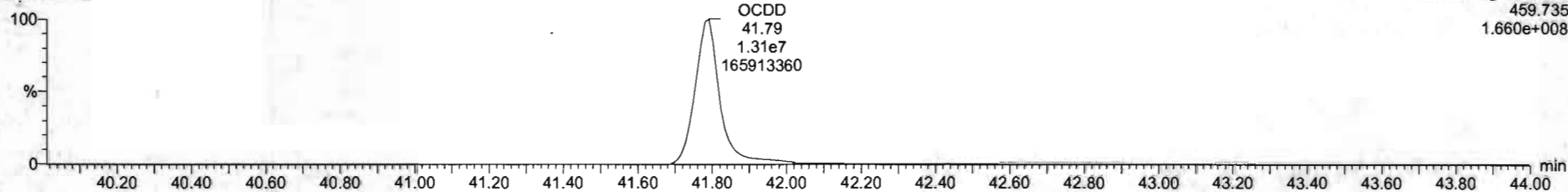
OCDD

200528R2_5



F5: Voltage SIR, EI+
457.738
1.466e+008

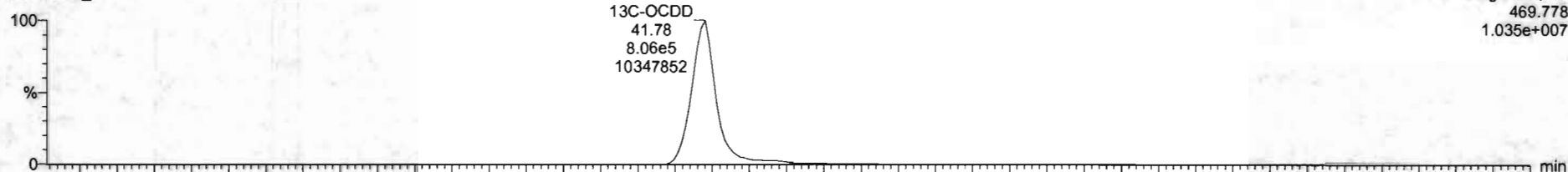
200528R2_5



F5: Voltage SIR, EI+
459.735
1.660e+008

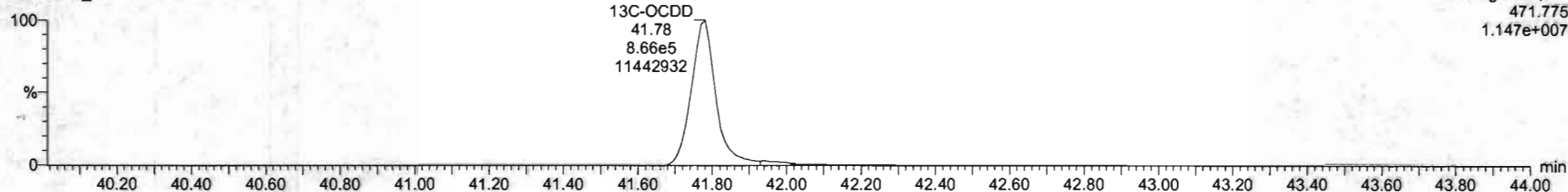
13C-OCDD

200528R2_5



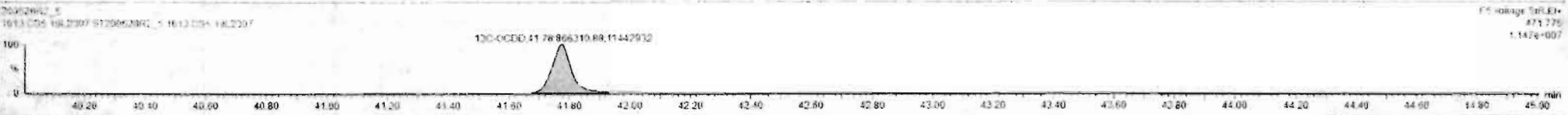
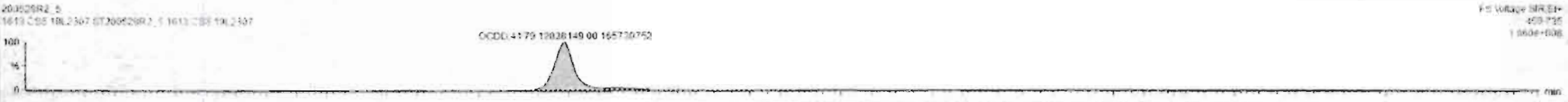
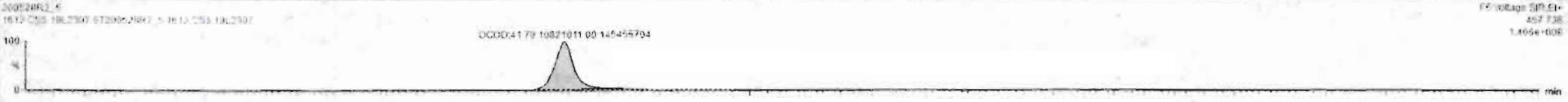
F5: Voltage SIR, EI+
469.778
1.035e+007

200528R2_5



F5: Voltage SIR, EI+
471.775
1.147e+007

N	Name	Resp	RA	np	PRF	wt/vol	RT	RRT	Comp	%Rec	DL	ENPL
1	2.3.7.8-TCDD	4.52e7	0.76	NO	0.6883	1.000	26.95	1.001	321	107	0.0511	321
2	1.2.3.7.8-PCDD	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-HxCDD	1.47e7	1.23	NO	1.0334	1.000	34.08	1.000	1520	101	0.130	1520
4	1.2.3.6.7.8-HxCDD	1.61e7	1.21	NO	0.9523	1.000	34.99	1.000	1550	103	0.142	1550
5	1.2.3.7.8.9-HxCDD	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-HpCDD	1.15e7	1.01	NO	0.8639	1.000	36.61	1.000	1620	105	0.161	1620
7	OCDD	2.37e7	0.84	NO	0.9138	1.000	41.79	1.000	3100	103	0.379	3100
8	2.3.7.8-TCDF	0.00e0	0.75	NO	0.7510	1.000	25.65	1.001	325	105	0.0600	325
9	1.2.3.7.8-PeCDF	2.38e7	1.14	NO	0.8925	1.000	30.23	1.000	1570	101	0.231	1570
10	2.3.4.7.8-PeCDF	0.40e7	1.53	NO	0.9348	1.000	31.21	1.000	1550	101	0.213	1550
11	1.2.3.4.7.8-HxCDF	1.61e7	1.19	NO	0.8644	1.000	34.01	1.000	1590	106	0.103	1590
12	1.2.3.6.7.8-HxCDF	1.86e7	1.19	NO	0.8092	1.000	34.72	1.000	1530	101	0.0927	1530
13	2.3.4.6.7.8-HxCDF	1.72e7	1.19	NO	0.9341	1.000	34.72	1.001	1560	104	0.152	1560
14	1.2.3.7.8.9-HxCDF	1.49e7	1.26	NO	0.6707	1.000	35.63	1.000	1560	106	0.145	1560
15	1.2.3.4.6.7.8-HpCDF	1.28e7	1.09	NO	0.8734	1.000	37.40	1.000	1560	104	0.303	1560
16	1.2.3.4.7.8.9-HpCDF	1.05e7	1.00	NO	1.0172	1.000	38.34	1.000	1620	103	0.215	1620
17	OCDF	2.38e7	0.85	NO	0.8085	1.000	41.95	1.000	3090	101	0.250	3090
18	13C-2.3.7.8-TCDD	1.52e6	0.76	NO	1.1583	1.000	26.96	1.026	106	106	0.0720	
19	13C-1.2.3.7.8-PCDD	1.27e6	0.64	NO	0.8499	1.000	31.58	1.215	114	114	0.130	
20	13C-1.2.3.4.7.8-PeCDD	6.34e5	1.26	NO	0.7750	1.000	34.97	1.014	110	110	0.191	
21	13C-1.2.3.6.7.8-HpCDD	1.17e6	1.27	NO	1.0167	1.000	34.97	1.017	113	113	0.146	



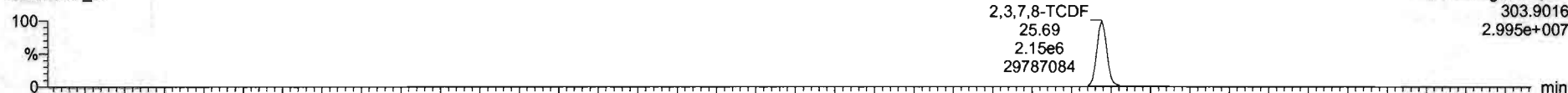
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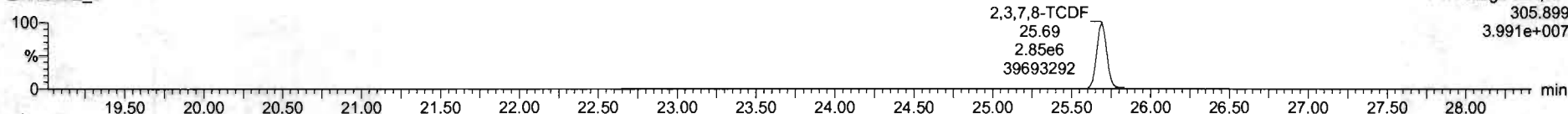
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2,3,7,8-TCDF

200528R2_5

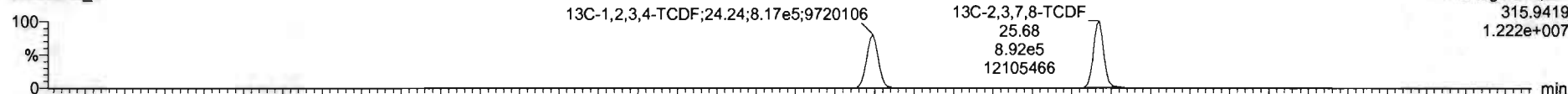


200528R2_5

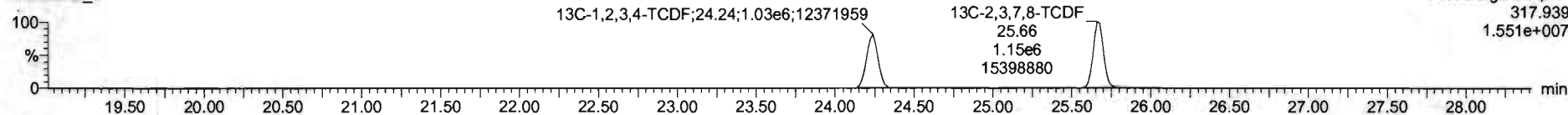


13C-2,3,7,8-TCDF

200528R2_5

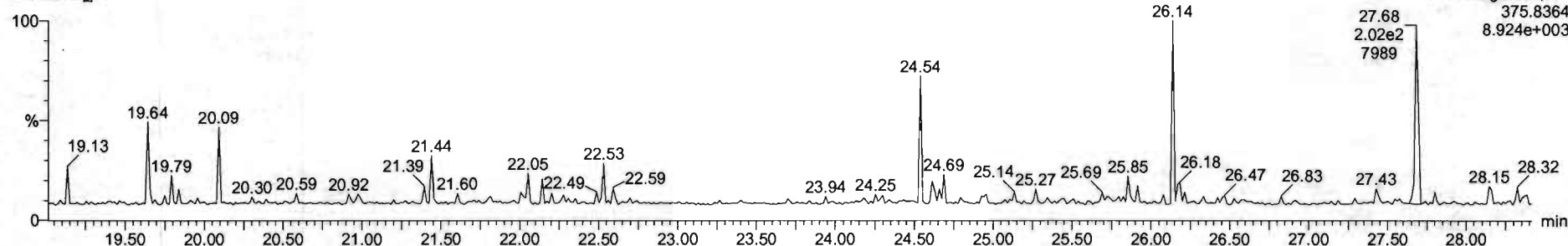


200528R2_5



DPE1

200528R2_5



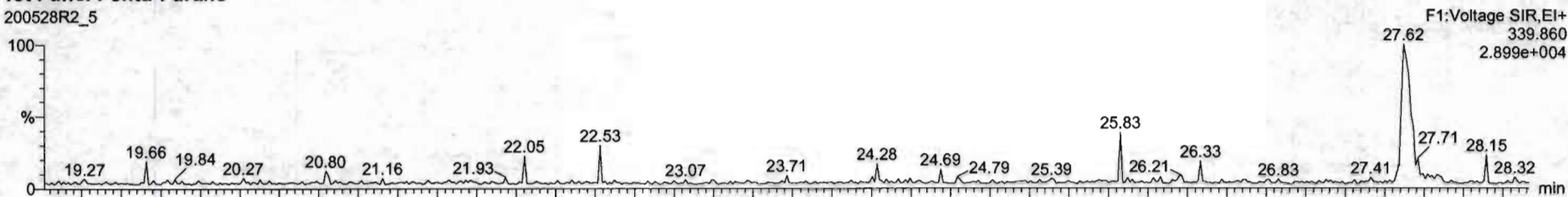
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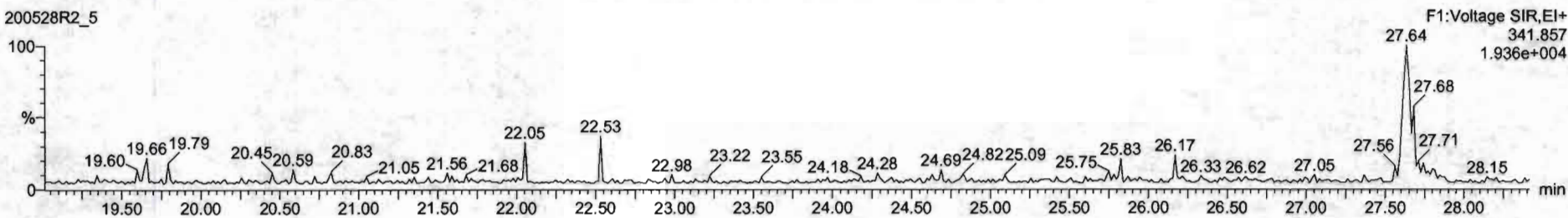
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1st Func. Penta-Furans

200528R2_5

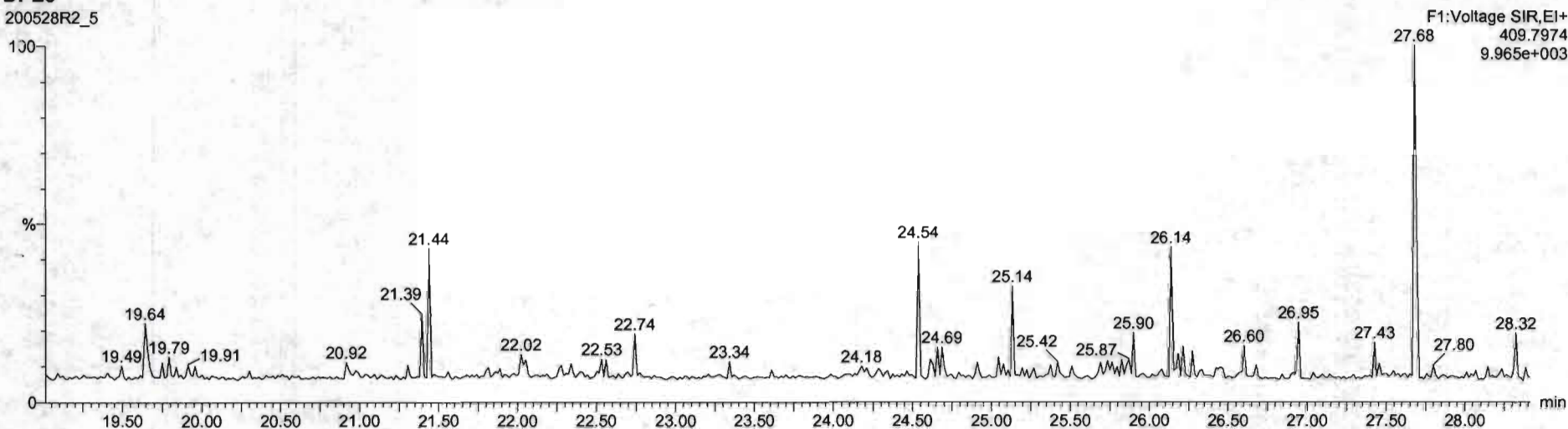


200528R2_5



DPE6

200528R2_5



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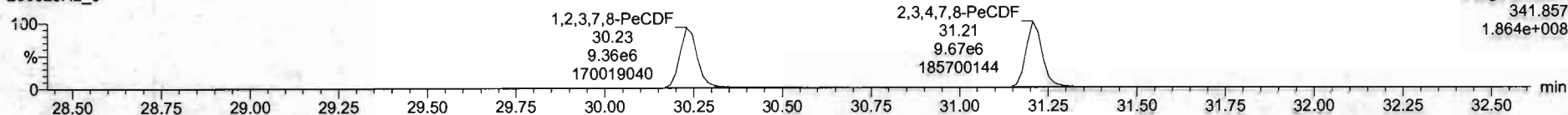
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1,2,3,7,8-PeCDF

200528R2_5



200528R2_5

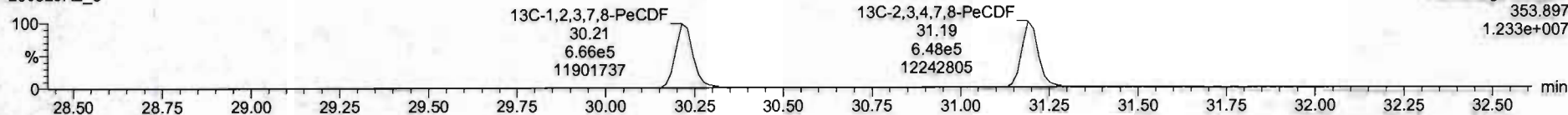


13C-1,2,3,7,8-PeCDF

200528R2_5

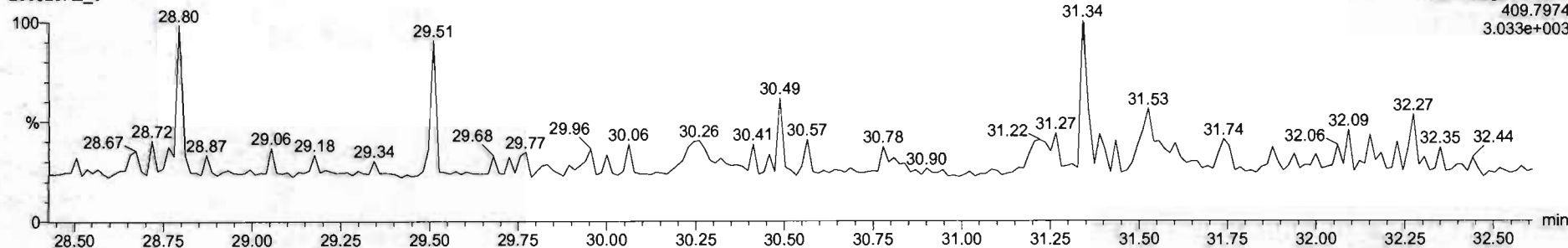


200528R2_5



DPE2

200528R2_5



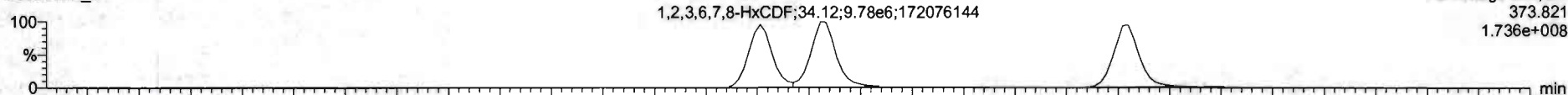
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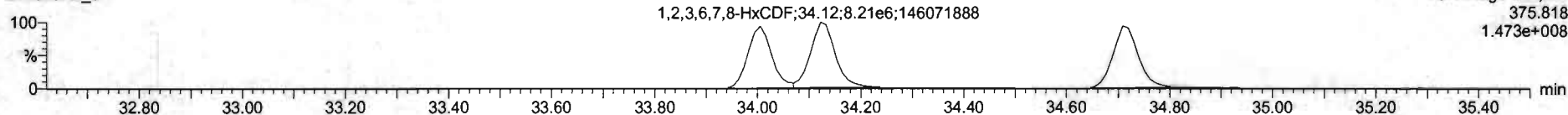
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1,2,3,4,7,8-HxCDF

200528R2_5

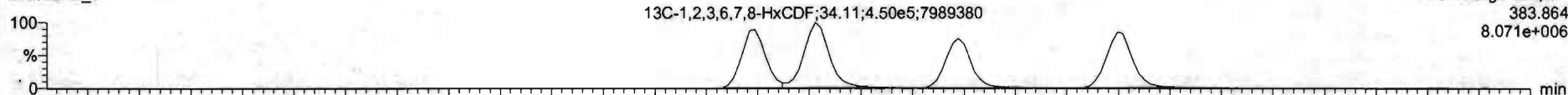


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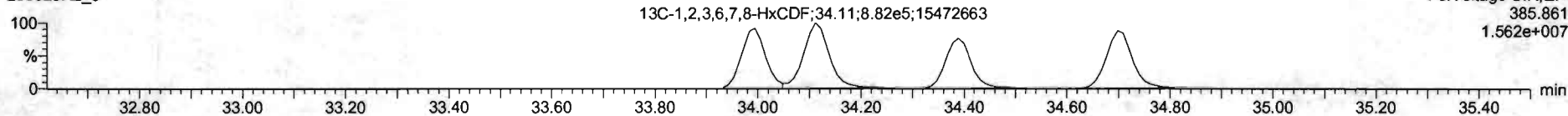


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200528R2_5

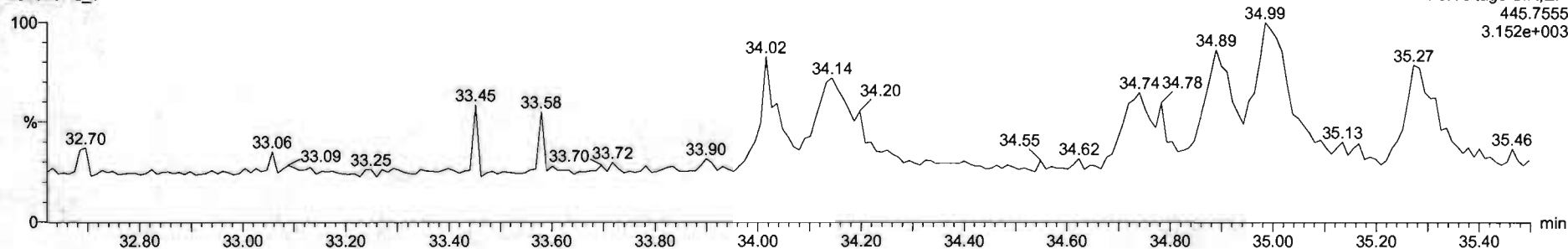


200528R2_5



DPE3

200528R2_5



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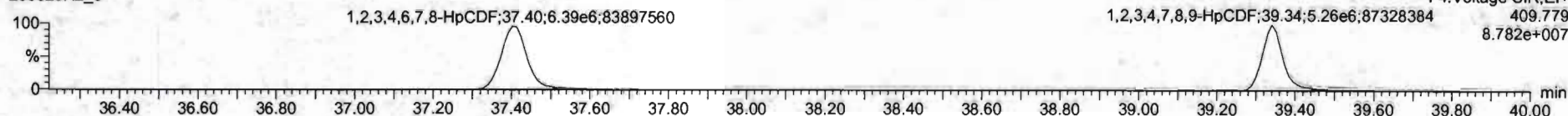
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1,2,3,4,6,7,8-HpCDF

200528R2_5

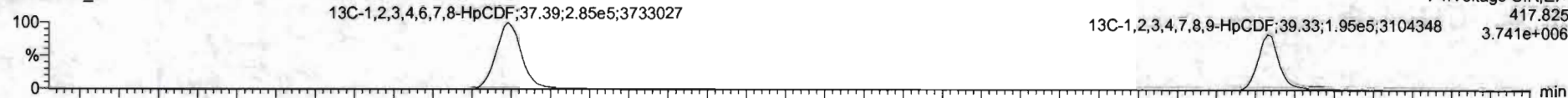


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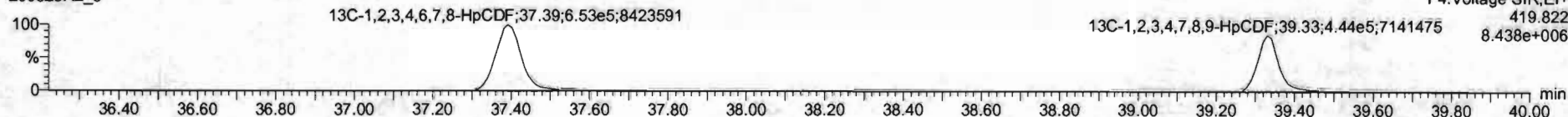


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200528R2_5

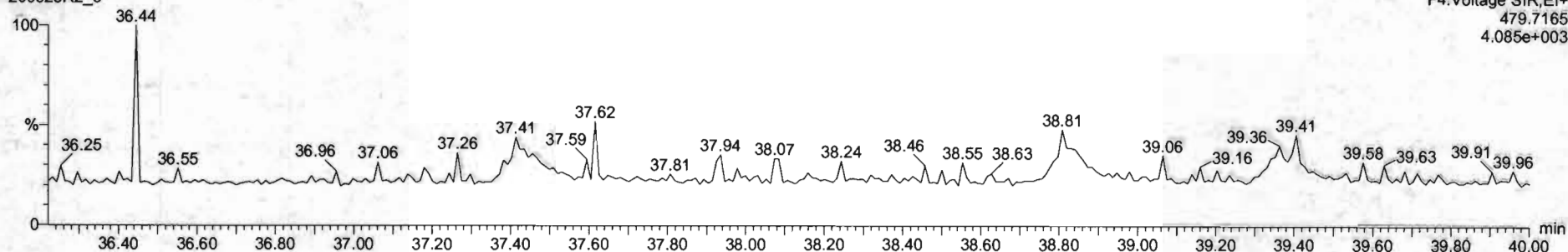


200528R2_5



DPE4

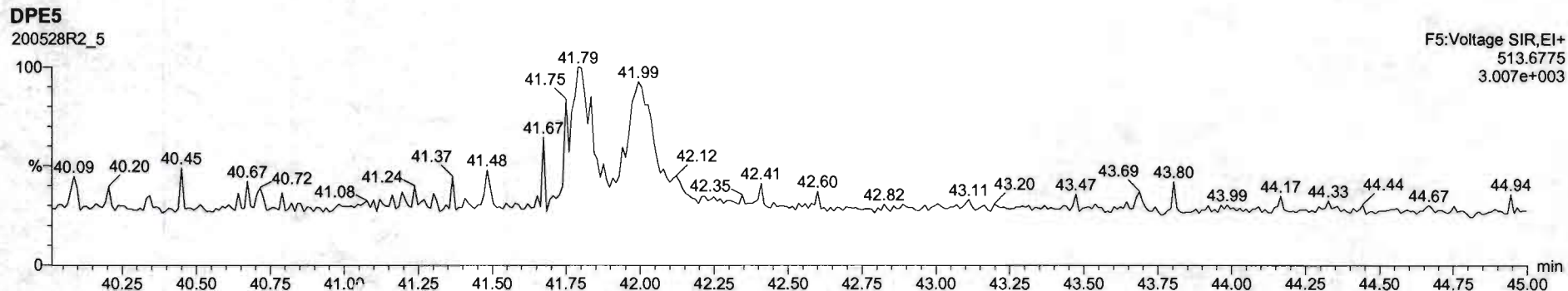
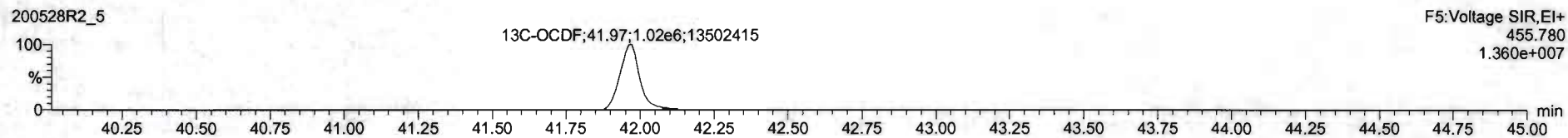
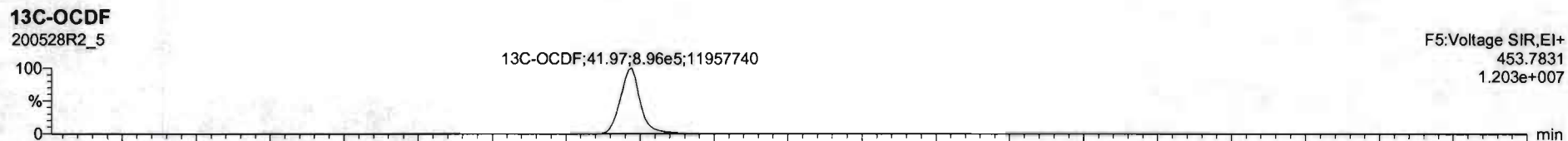
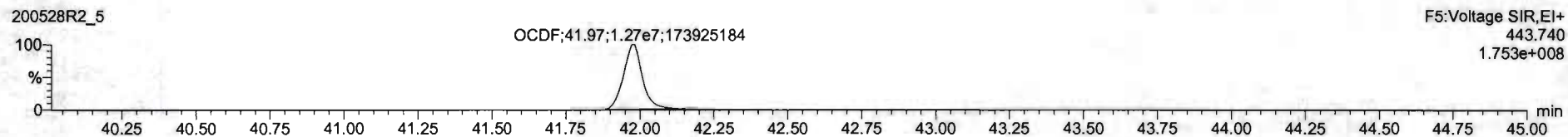
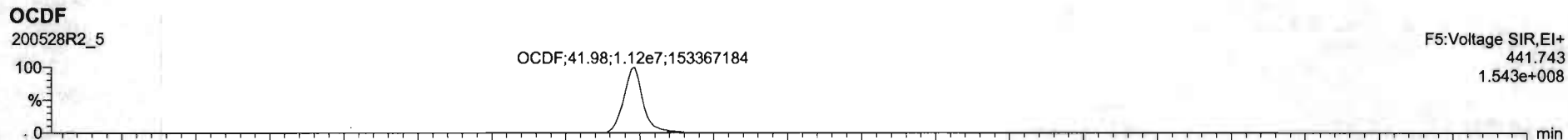
200528R2_5



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Last Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time
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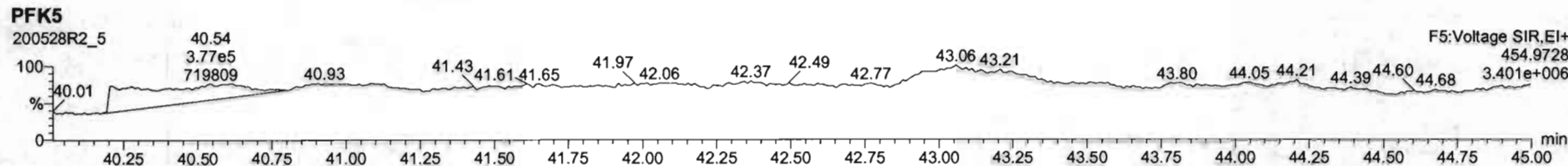
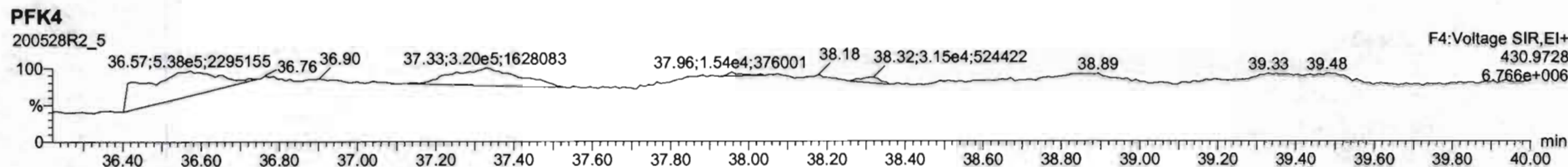
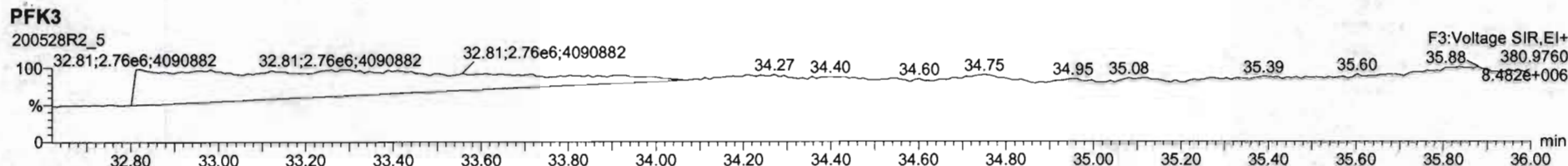
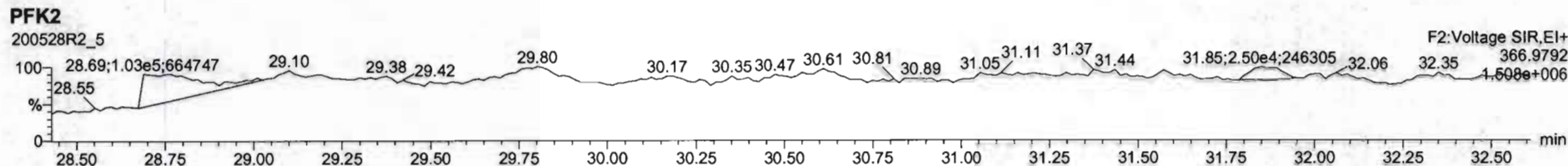
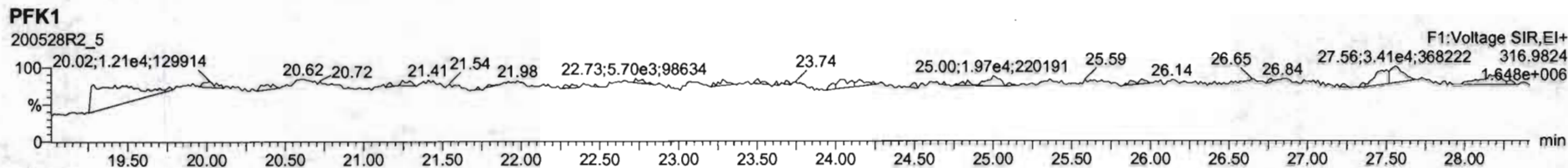
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Last Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time
Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_5, Date: 28-May-2020, Time: 15:02:56, ID: ST200528R2_5 1613 CS5 19L2307, Description: 1613 CS5 19L2307



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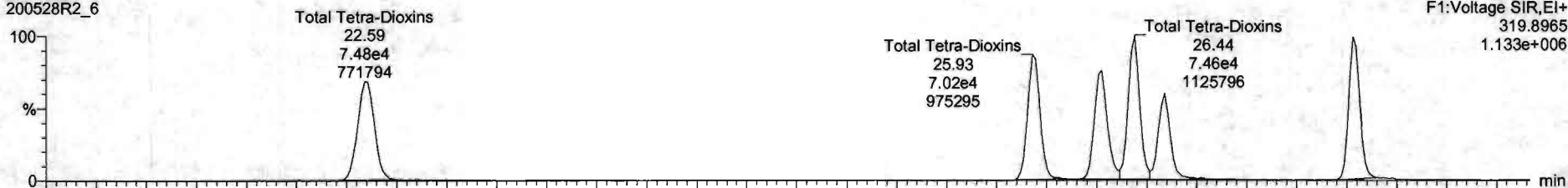
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

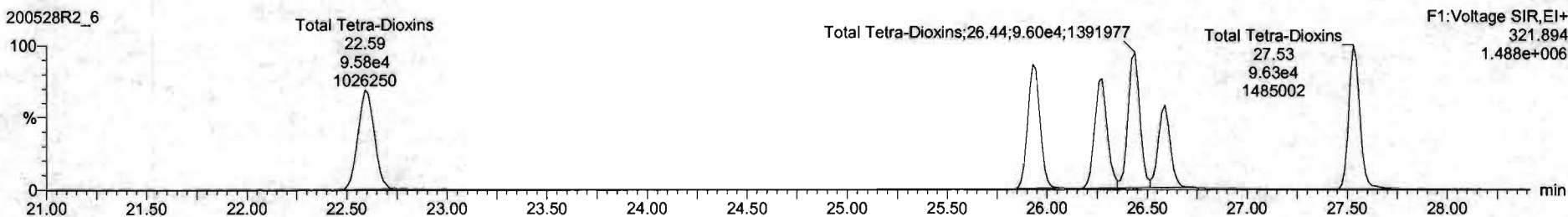
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2,3,7,8-TCDD

200528R2_6

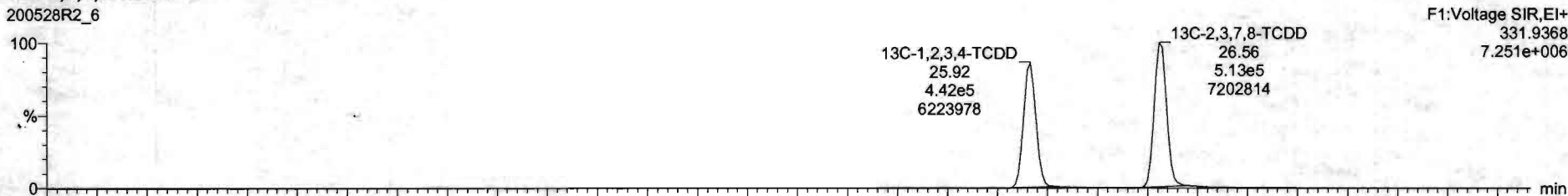


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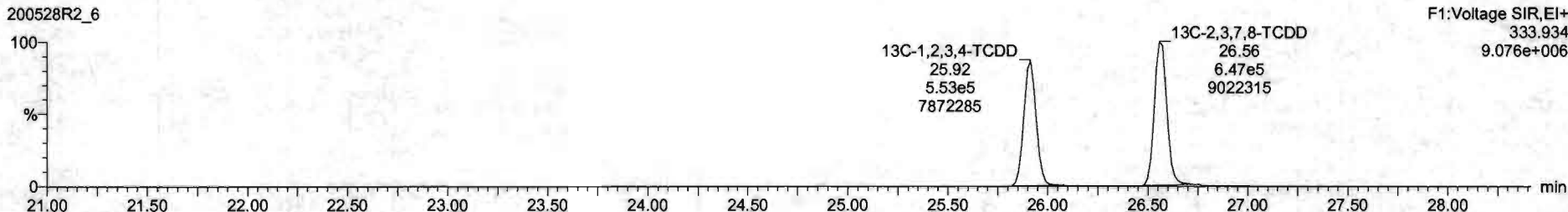


13C-2,3,7,8-TCDD

200528R2_6



200528R2_6



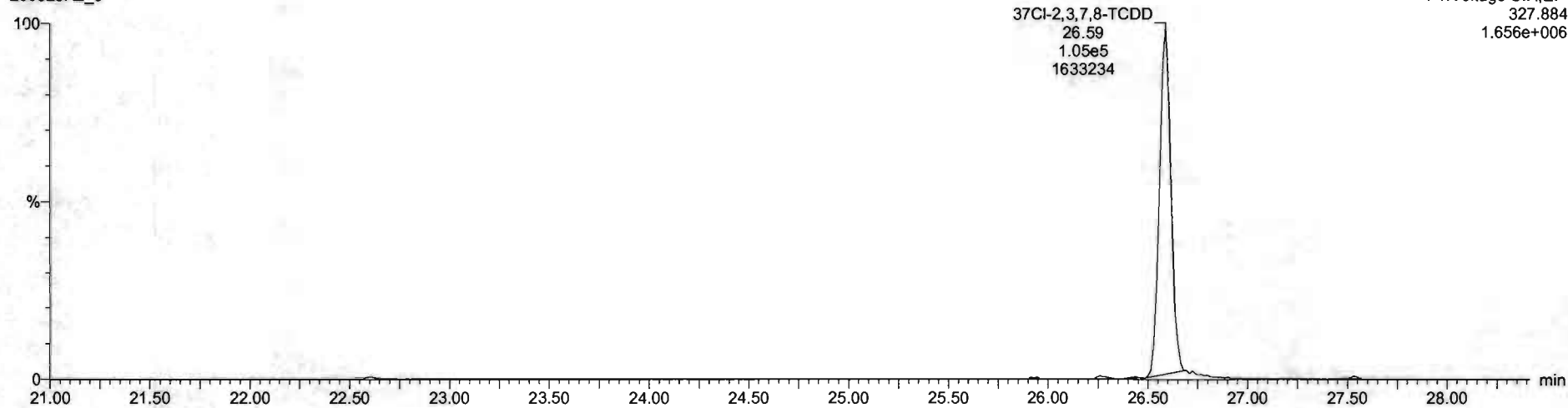
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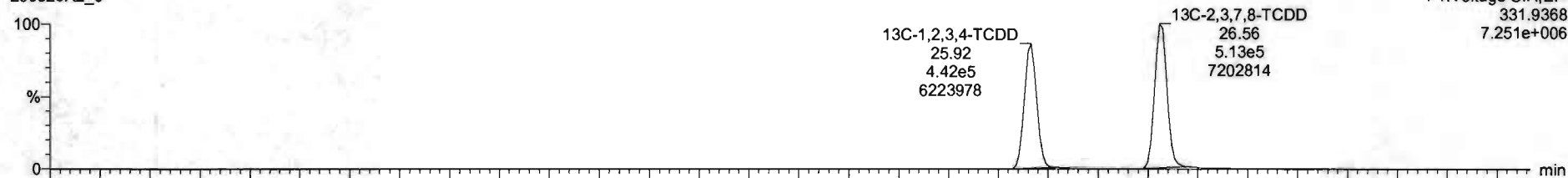
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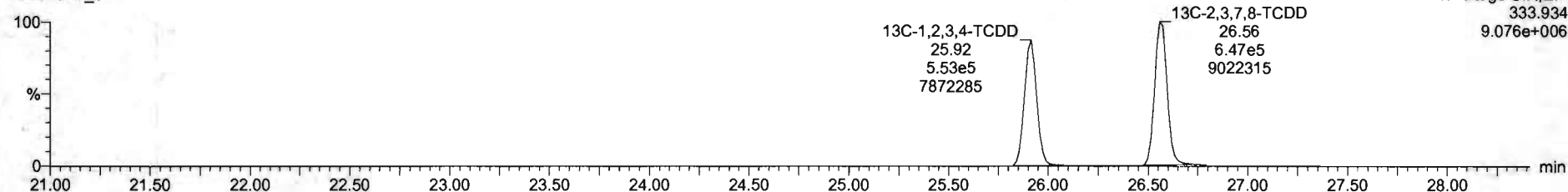


13C-1,2,3,4-TCDD

200528R2_6



200528R2_6



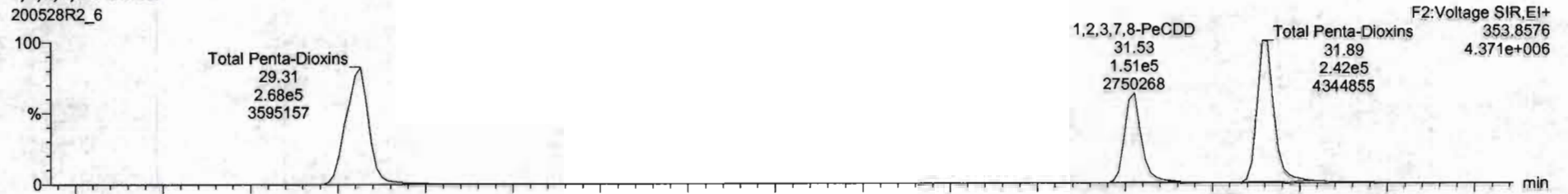
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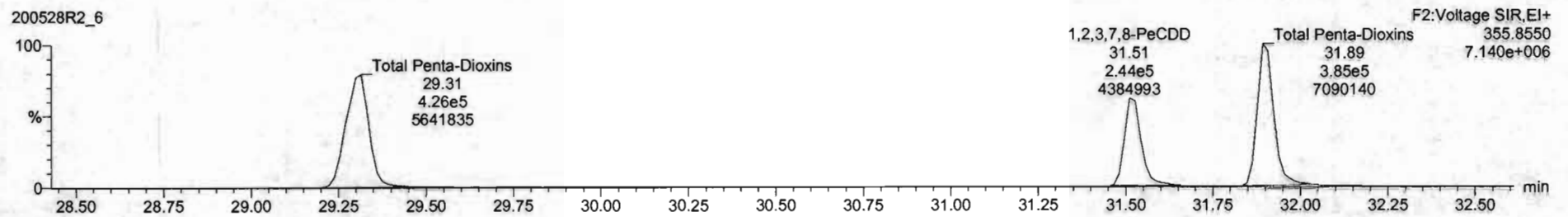
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1,2,3,7,8-PeCDD

200528R2_6

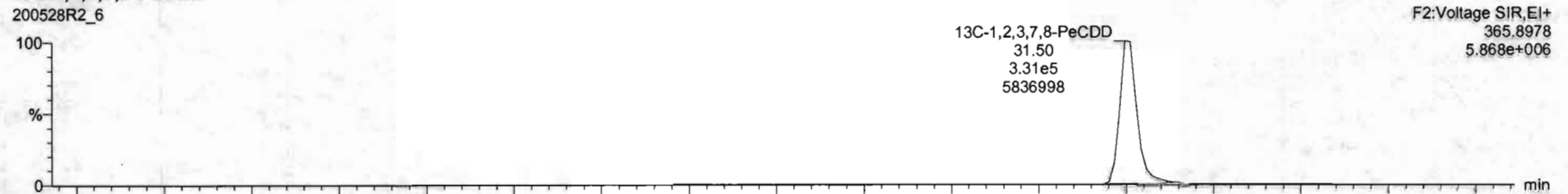


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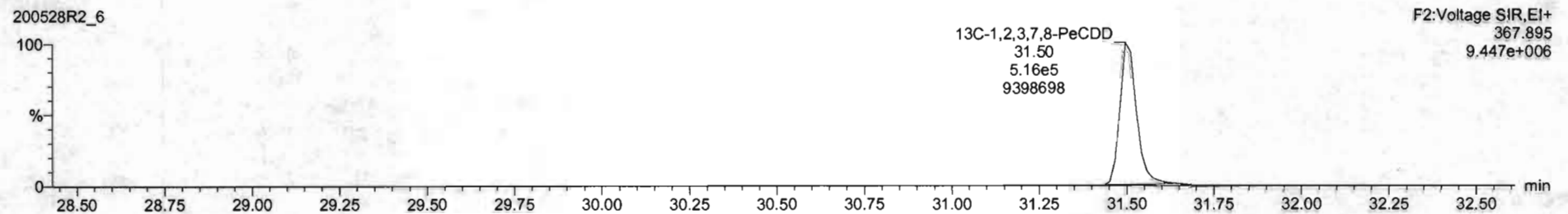


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200528R2_6



200528R2_6



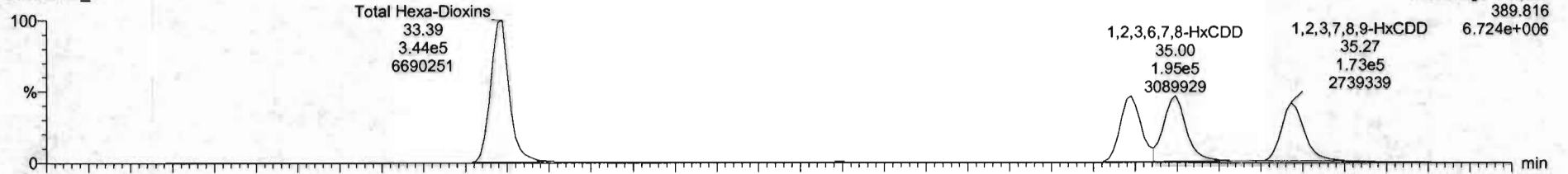
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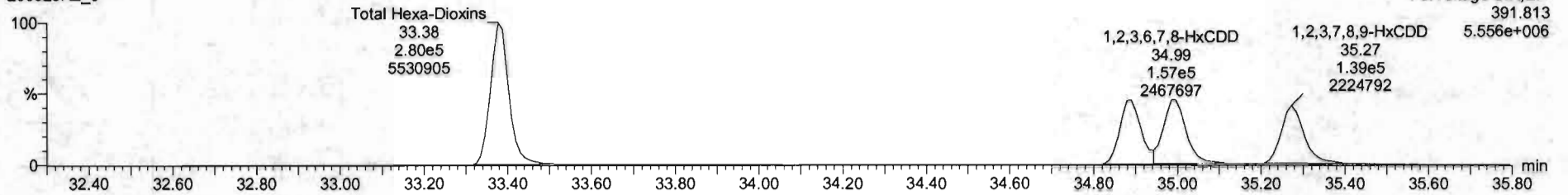
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1,2,3,4,7,8-HxCDD

200528R2_6

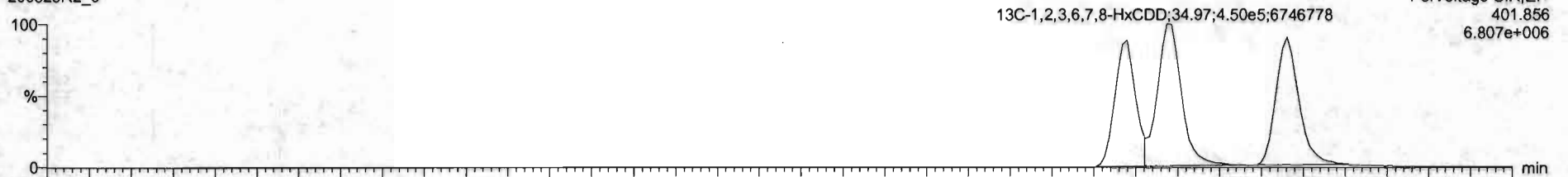


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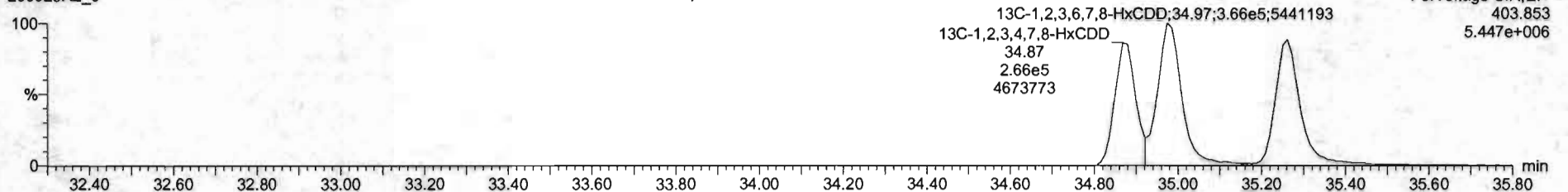


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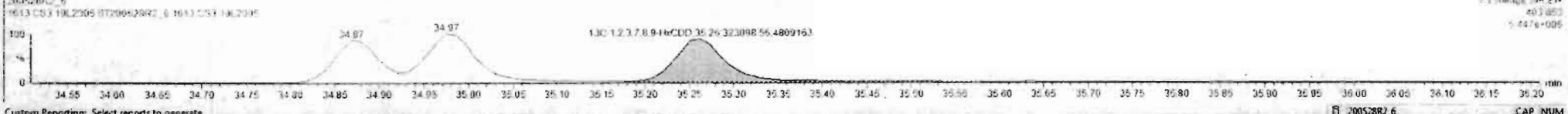
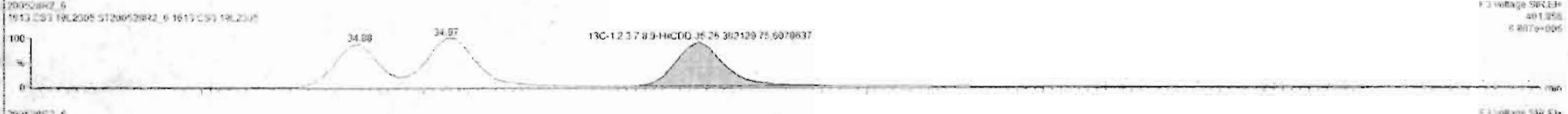
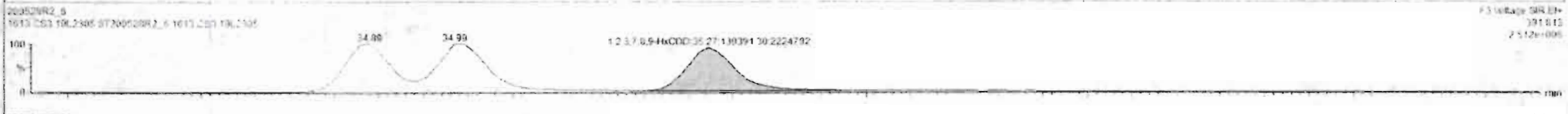
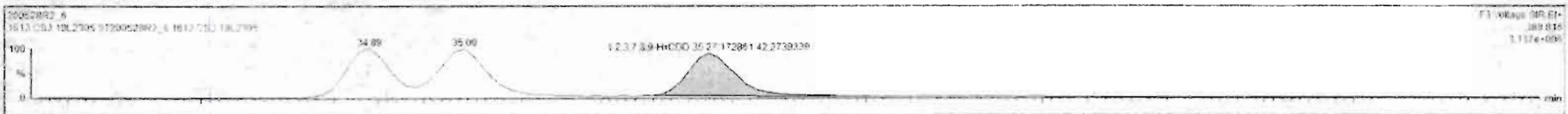
200528R2_6



200528R2_6



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1	2,3,7,8-TCDD	1.06e5	0.91	NO	0.6203	1.000	26.59	1.001	10.2	102	0.0674	10.2
2	1,2,3,7,8-PeCDD	3.96e5	0.62	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-HpCDD	2.29e5	1.02	NO	0.9618	1.000	30.81	1.000	51.2	102	0.209	51.2
7	CDDX	4.53e5	0.38	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	25.68	1.001	9.96	98.8	0.0613	9.96
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	0.9545	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	51.8	104	0.179	51.8
13	1,2,3,4,6,7,8-HpCDF	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	0.201	51.4
16	1,2,3,4,7,6,5-HpCDF	2.00e5	0.80	NO	1.0125	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-HxCDF	1.16e5	0.79	NO	1.1503	1.000	28.96	1.025	101	101	0.0990	
19	1,2,3,4,6,7,8-HpCDD	8.48e5	0.84	NO	0.8450	1.000	31.60	1.215	100	100	0.225	
20	1,2,3,4,7,8-HpCDD	8.04e5	1.27	NO	0.7790	1.000	34.88	1.014	98.9	98.9	0.188	
21	1,2,3,6,7,8-HpCDD	8.19e5	1.23	NO	1.0187	1.000	34.97	1.017	102	102	0.144	



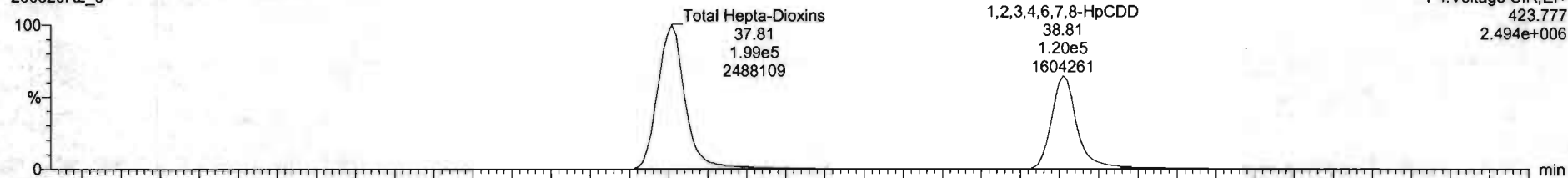
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Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

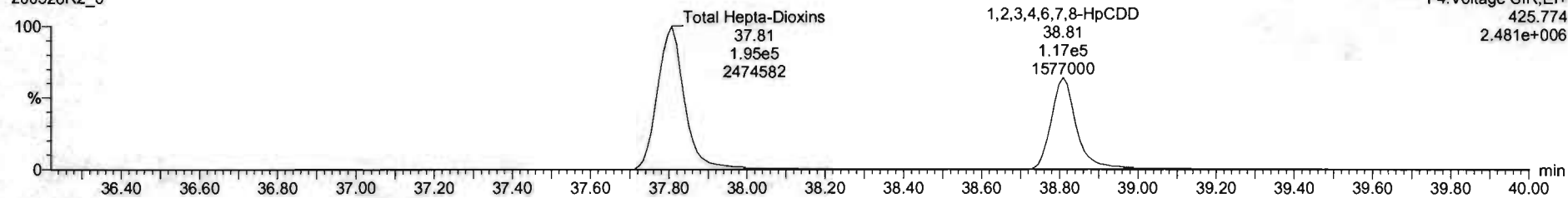
1,2,3,4,6,7,8-HpCDD

200528R2_6



F4: Voltage SIR, EI+
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2.494e+006

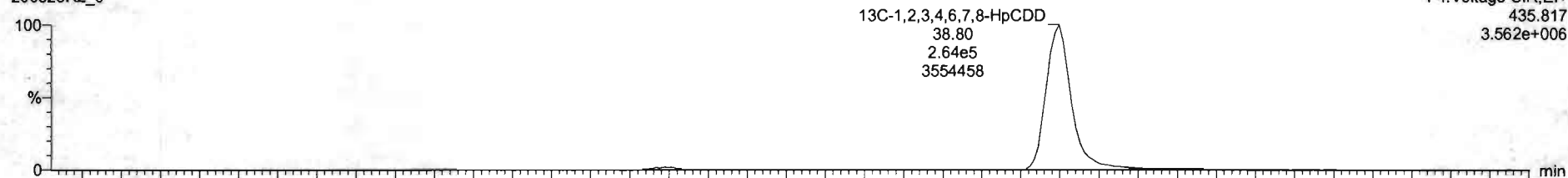
200528R2_6



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2.481e+006

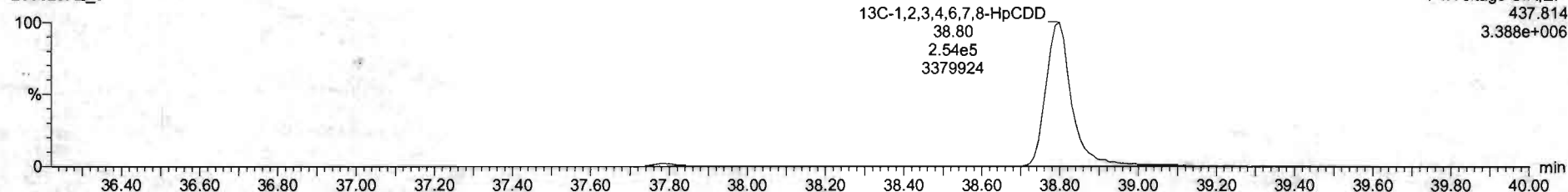
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200528R2_6



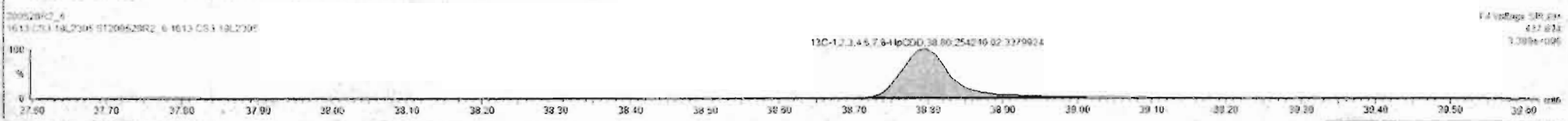
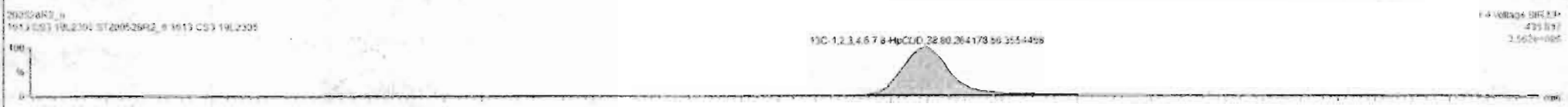
F4: Voltage SIR, EI+
435.817
3.562e+006

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	0.900	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	0.890	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	0.890	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	1,2,3,4,7,8-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	0.890	1.000	30.25	1.000	51.0	102	0.130	51.0
10	1,2,3,4,7,8-HxCDF	5.81e5	1.57	NO	0.934	1.000	31.22	1.000	50.3	101	0.130	50.3
11	1,2,3,4,7,8,9-HxCDF	5.58e5	1.21	NO	0.854	1.000	34.01	1.000	51.1	102	0.151	51.1
12	1,2,3,6,7,8-HpCDF	4.22e5	1.25	NO	0.850	1.000	34.13	1.000	51.9	104	0.170	51.9
13	1,2,3,4,6,7,8-HxCDF	3.08e5	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	0.874	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-1,2,3,7,8-13CDD	1.16e5	0.79	NO	1.150	1.000	29.56	1.025	101	101	0.0980	
19	13C-1,2,3,7,8-HpCDD	3.45e5	0.84	NO	0.940	1.000	33.59	1.215	100	100	0.235	
20	13C-1,2,3,4,7,8-HpCDD	8.04e5	1.27	NO	0.770	1.000	34.58	1.014	98.9	98.9	0.188	
21	13C-1,2,3,6,7,8-HpCDD	8.15e5	1.23	NO	1.040	1.000	34.97	1.017	102	102	0.144	



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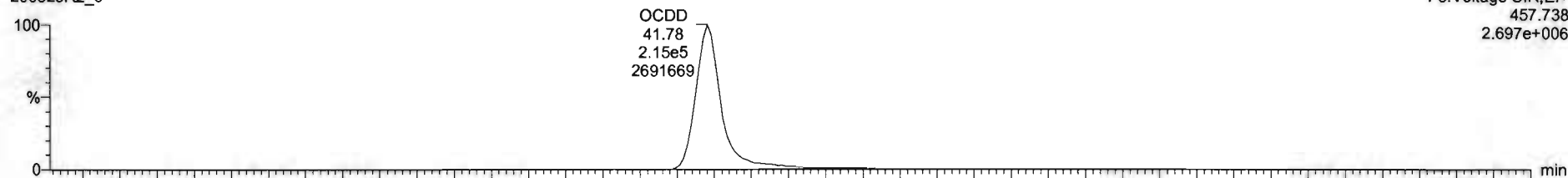
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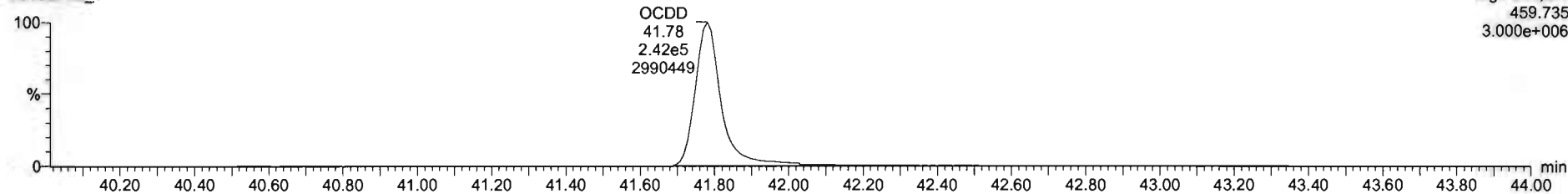
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OCDD

200528R2_6

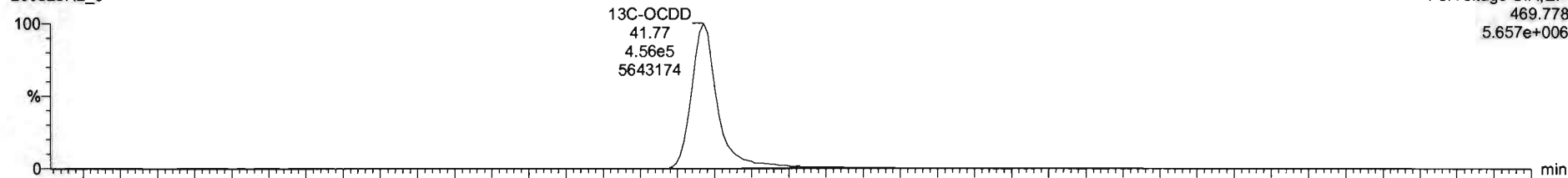


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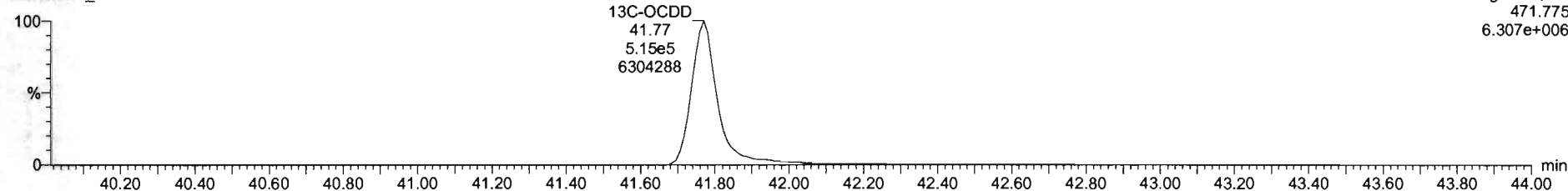


13C-OCDD

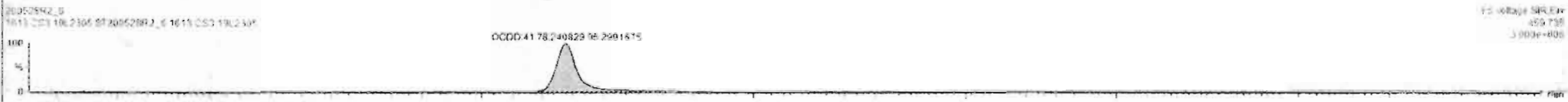
200528R2_6



200528R2_6



#	Name	Resp	RA	Qty	RHF	Wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
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	7.26e6	1.52	NO	1.0881	1.000	35.81	1.000	71.1	100	0.260	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	0.8544	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	0.253	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	1.16e6	0.79	NO	1.1563	1.000	26.16	1.025	101	101	0.0900	
19	13C-1,2,3,7,8-PeCDD	8.46e6	0.84	NO	0.8490	1.000	31.98	1.215	100	100	0.225	
20	13C-1,2,3,4,7,8-HxCDD	6.04e6	1.27	NO	0.7750	1.000	34.88	1.014	96.9	96.9	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	



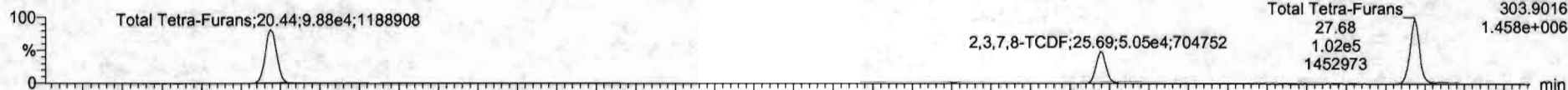
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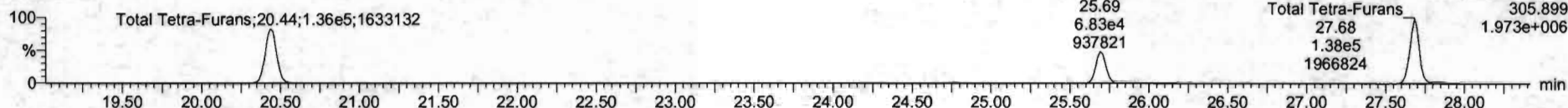
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2,3,7,8-TCDF

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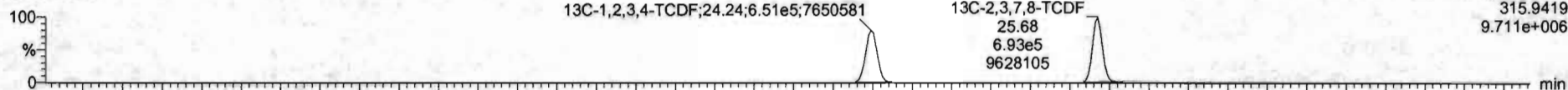


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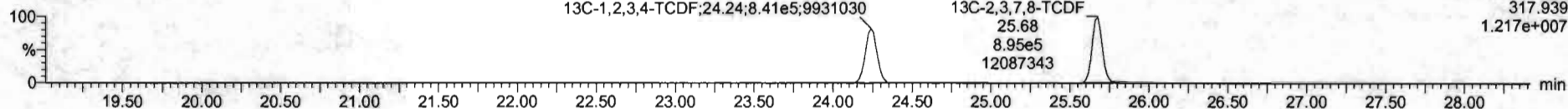


13C-2,3,7,8-TCDF

200528R2_6

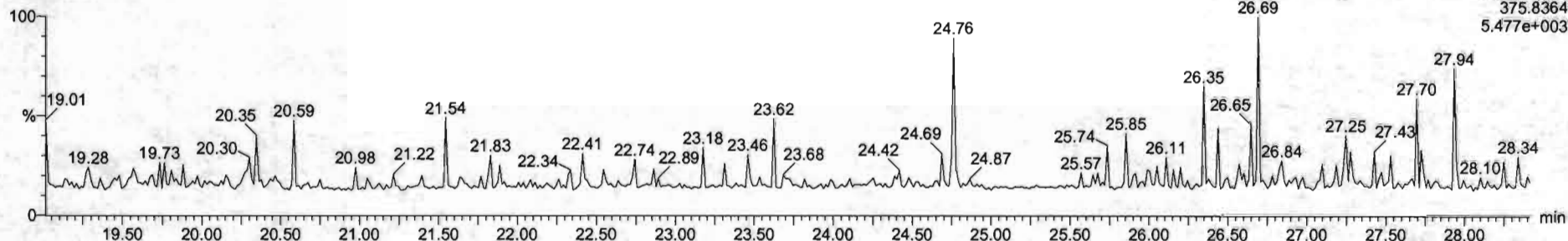


200528R2_6



DPE1

200528R2_6



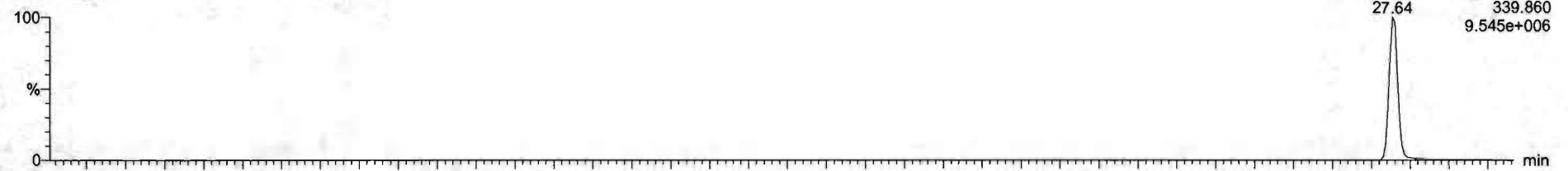
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

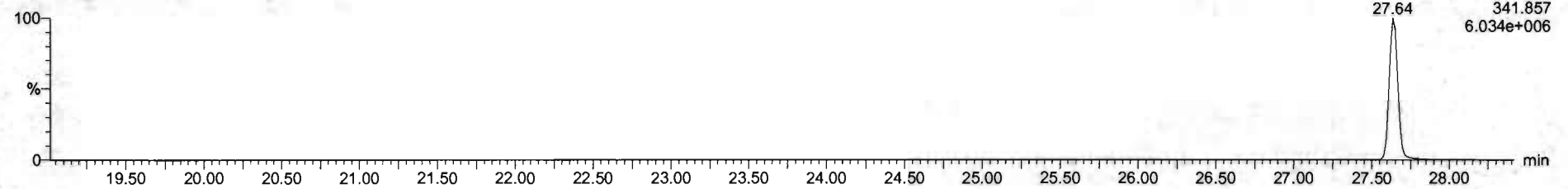
Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1st Func. Penta-Furans

200528R2_6

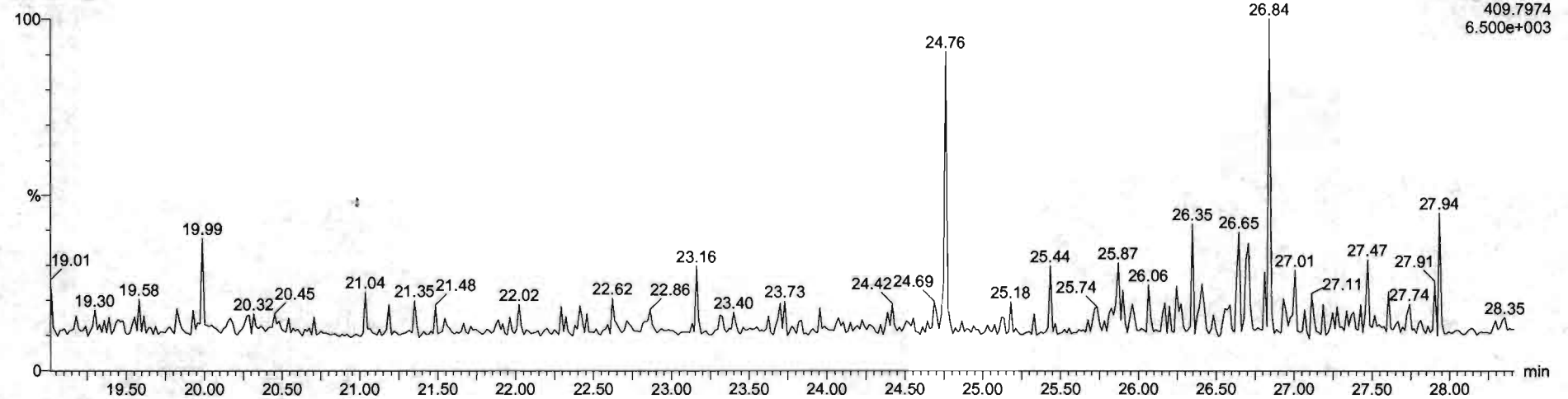


200528R2_6



DPE6

200528R2_6



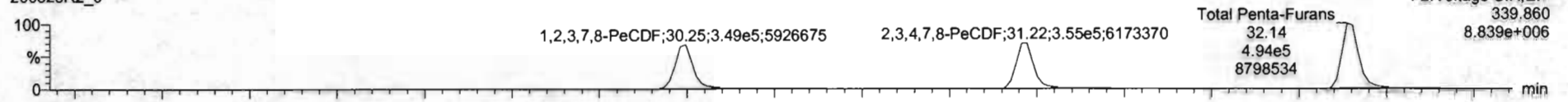
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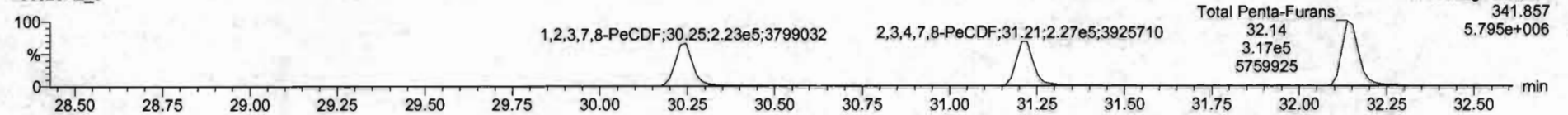
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1,2,3,7,8-PeCDF

200528R2_6

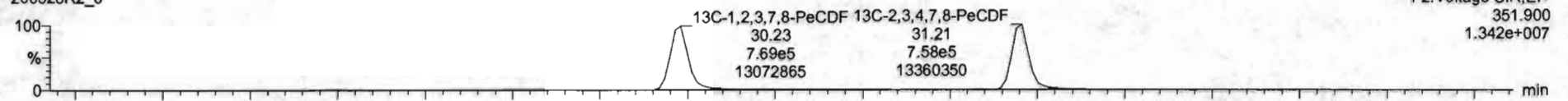


200528R2_6

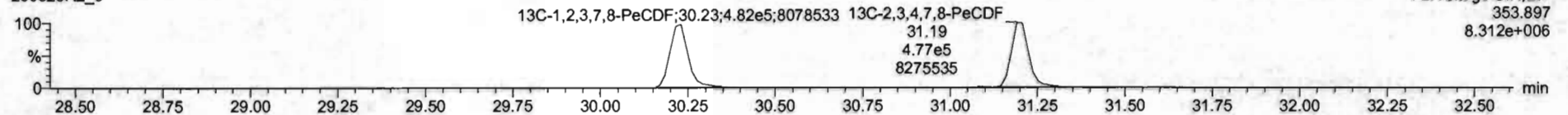


13C-1,2,3,7,8-PeCDF

200528R2_6

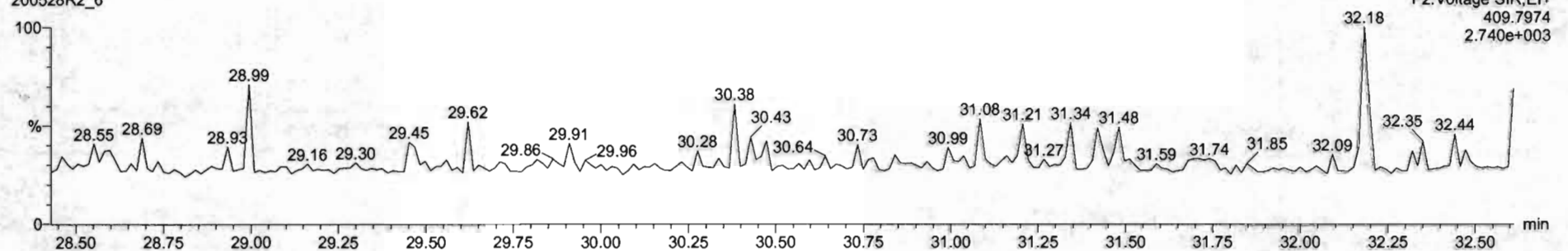


200528R2_6



DPE2

200528R2_6

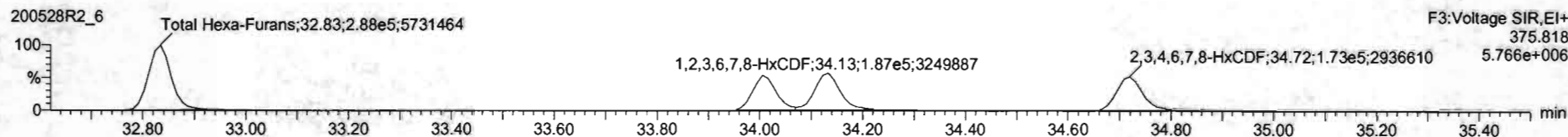
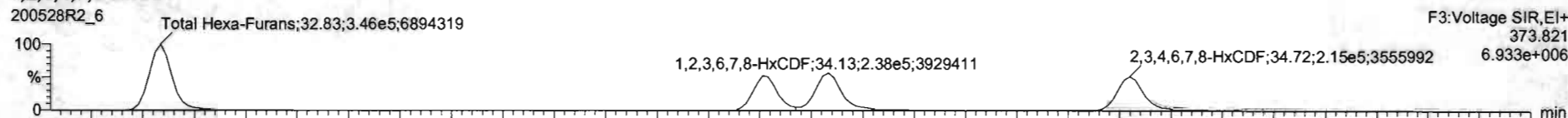


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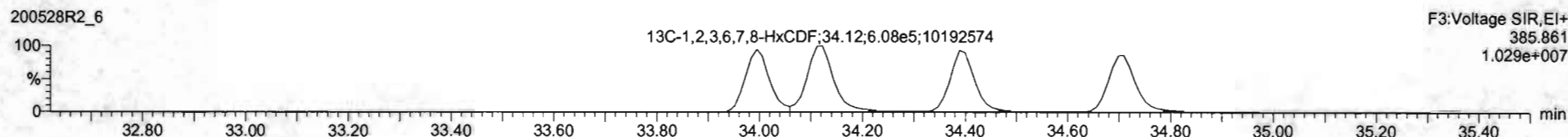
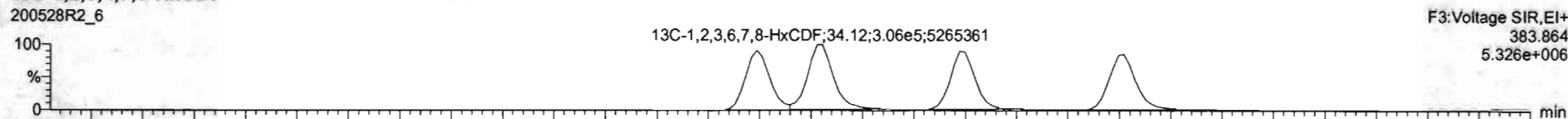
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Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

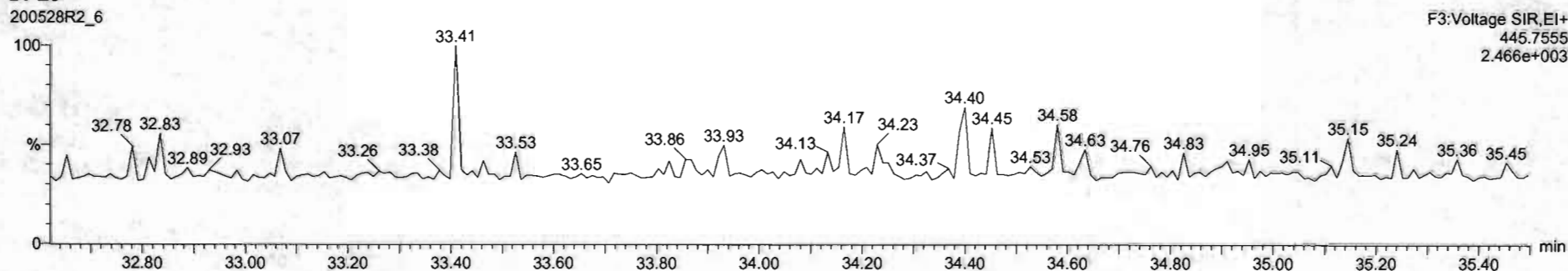
1,2,3,4,7,8-HxCDF



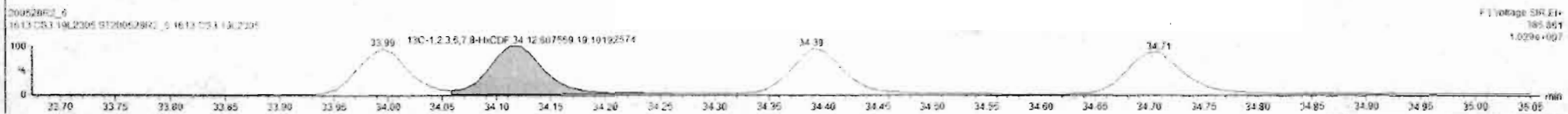
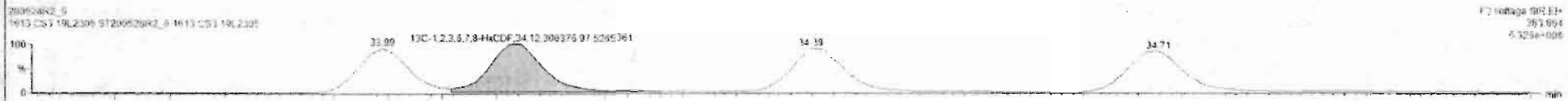
13C-1,2,3,4,7,8-HxCDF



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-HxCDF	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
16 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
18 13C-2,3,7,8-TCDD	1.16e6	0.79	NO	1.1583	1.000	26.56	1.026	101	101	0.0890	
19 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-1,2,3,6,7,8-HxCDD	0.15e5	1.23	NO	1.0187	1.000	34.97	1.017	102	102	0.144	



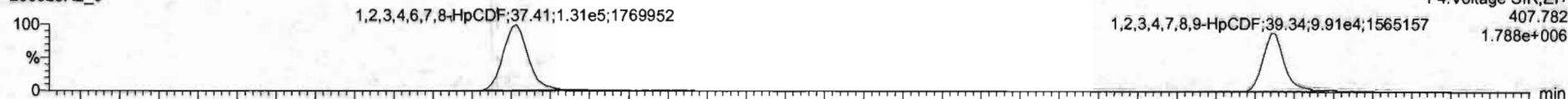
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Last Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time
Printed: Friday, May 29, 2020 7:49:39 AM Pacific Daylight Time

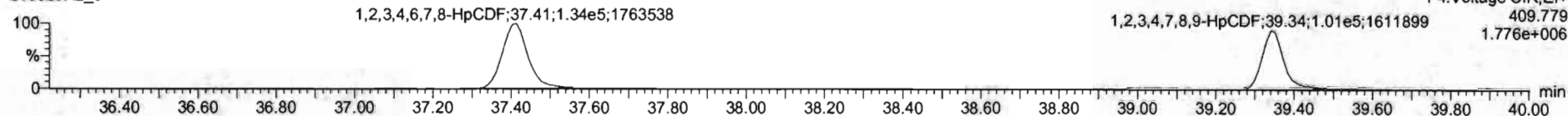
Name: 200528R2_6, Date: 28-May-2020, Time: 15:50:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200528R2_6

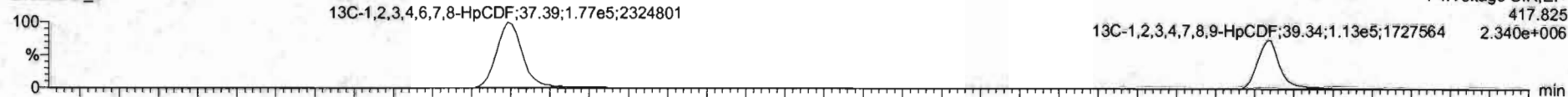


200528R2_6

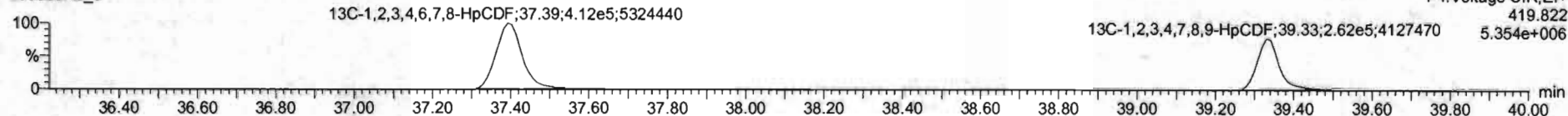


13C-1,2,3,4,6,7,8-HpCDF

200528R2_6

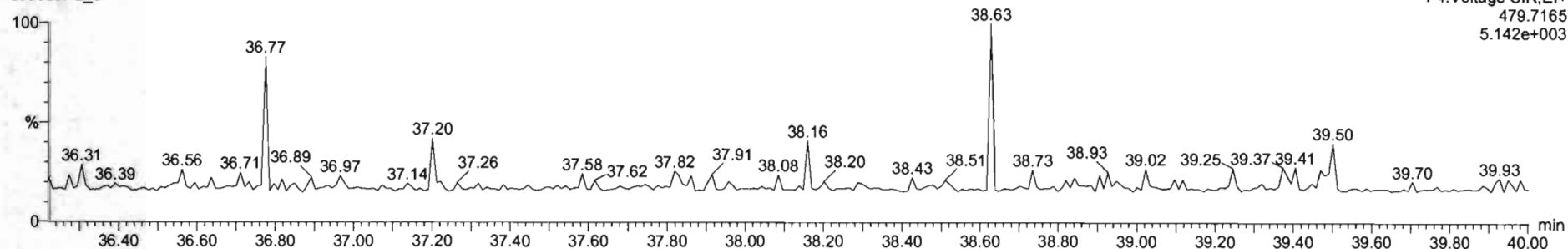


200528R2_6



DPE4

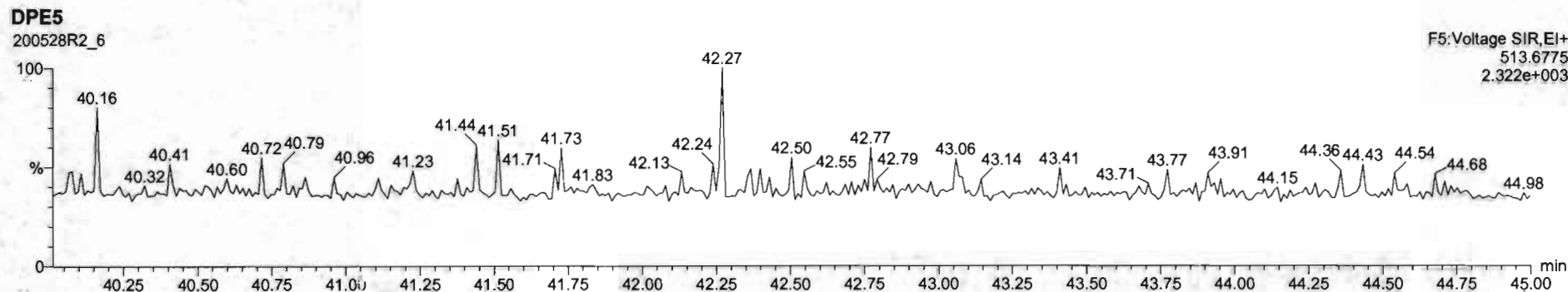
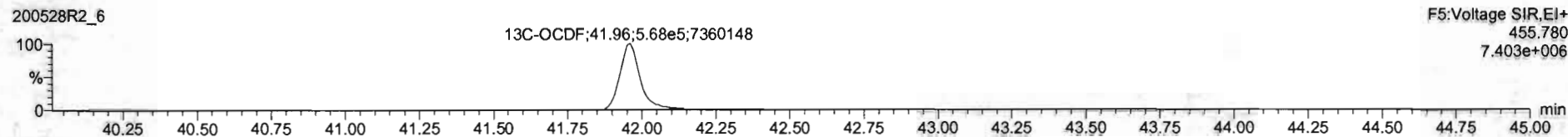
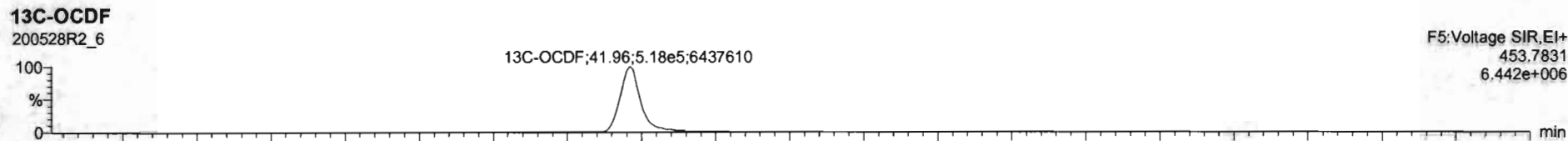
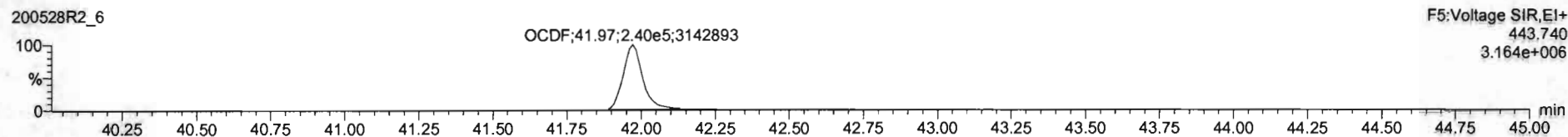
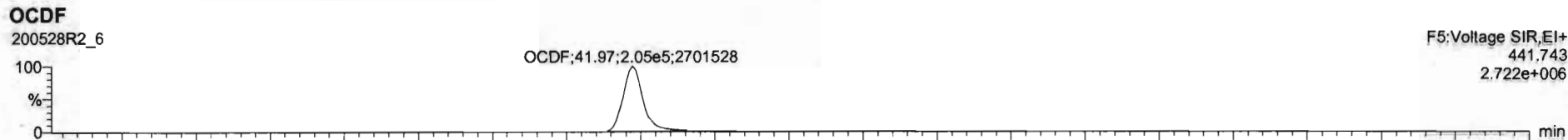
200528R2_6



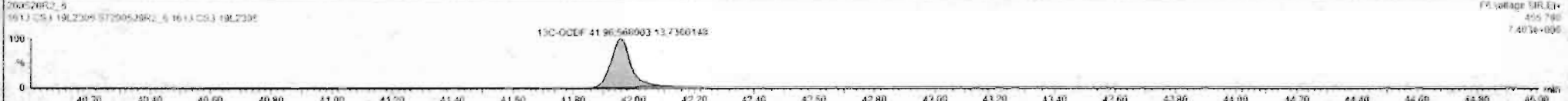
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Name: 200528R2_6, Date: 28-May-2020, Time: 15:58:32, ID: ST200528R2_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305



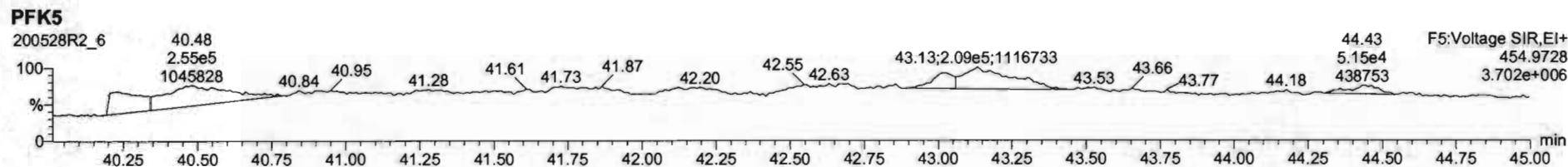
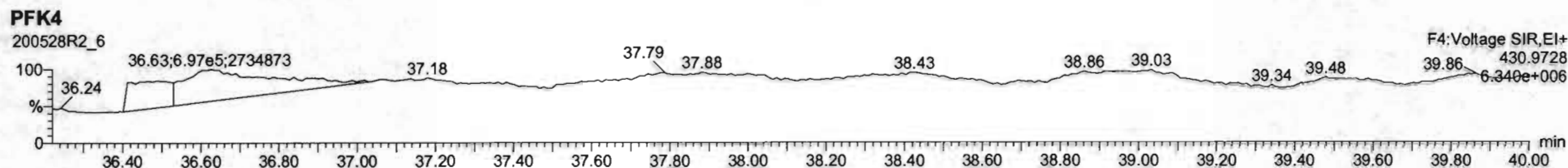
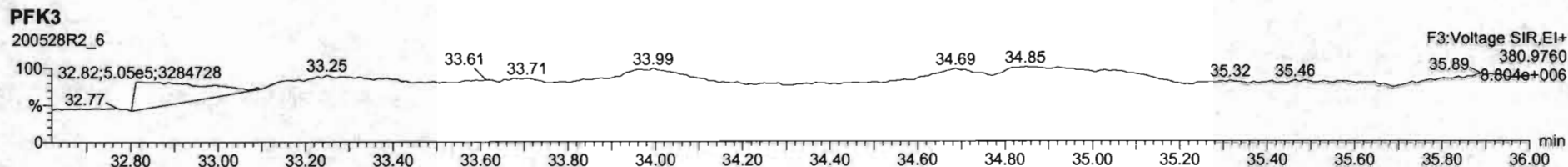
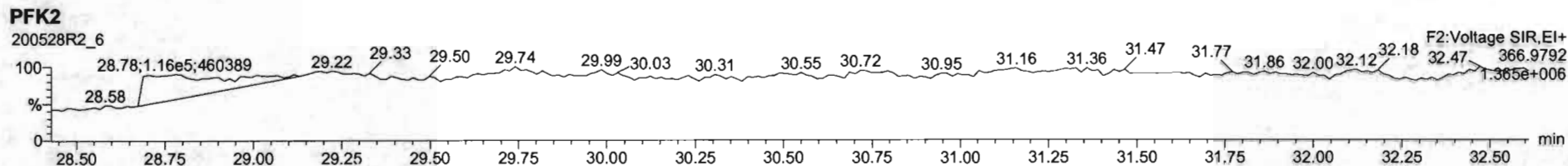
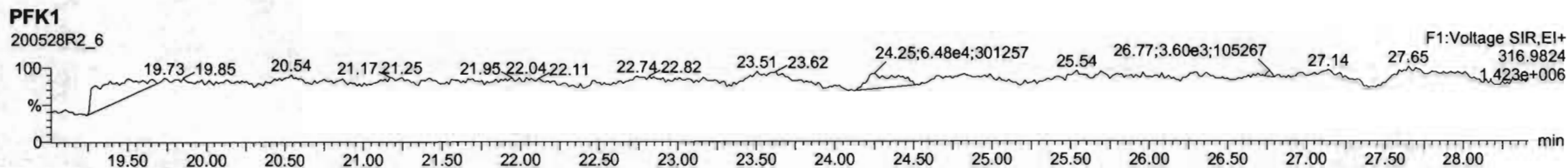
#	Name	Resp	RA	nlv	RRF	whval	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.06e5	0.81	NO	0.8503	1.000	26.19	1.001	10.2	102	0.0664	10.2
2	1,2,3,7,8-PeCDD	3.56e5	0.62	NO	0.8091	1.000	31.53	1.001	51.3	103	0.195	51.3
3	1,2,3,4,7,8-HxCDD	0.25e5	1.23	NO	1.0334	1.000	34.99	1.000	52.1	104	0.228	52.1
4	1,2,3,6,7,8-HxCDD	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	41.75	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	1.72e5	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	51.1	103	0.191	51.1
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	51.1	102	0.291	51.1
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	0.8450	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

Last Altered: Friday, May 29, 2020 7:49:30 AM Pacific Daylight Time
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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

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: 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

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

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	

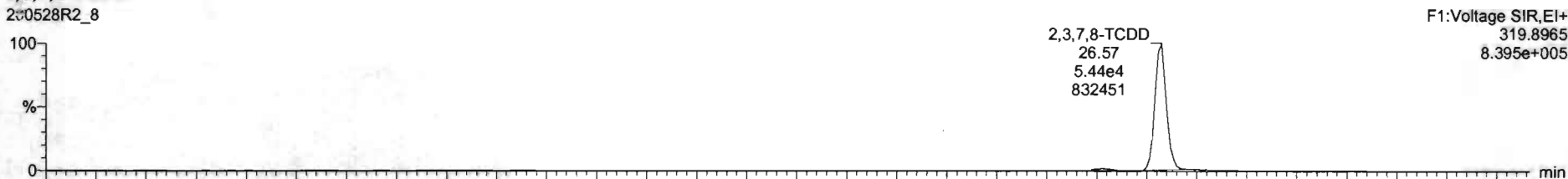
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Printed: Friday, May 29, 2020 7:38:30 AM Pacific Daylight Time

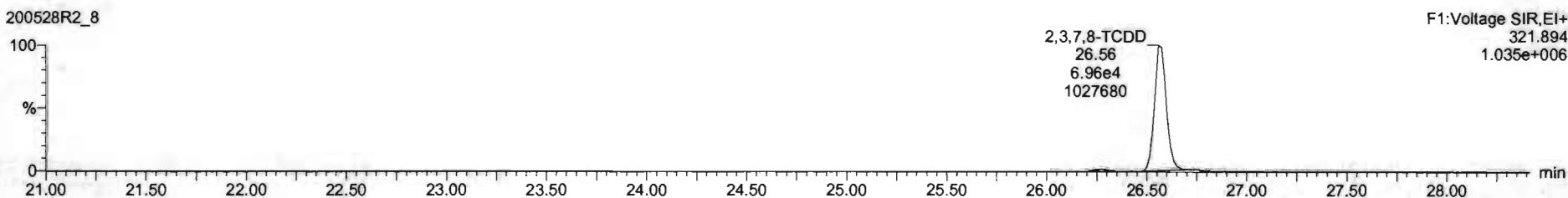
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Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

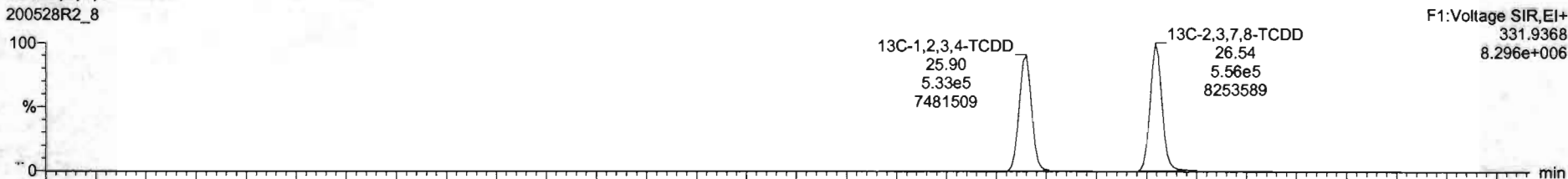
2,3,7,8-TCDD
200528R2_8



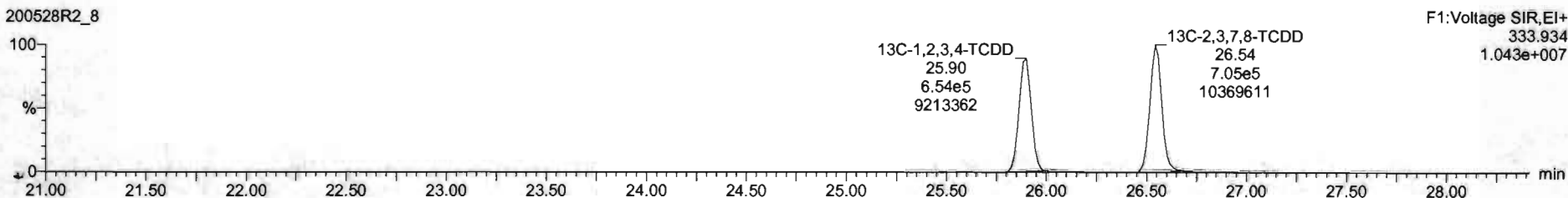
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13C-2,3,7,8-TCDD
200528R2_8



200528R2_8



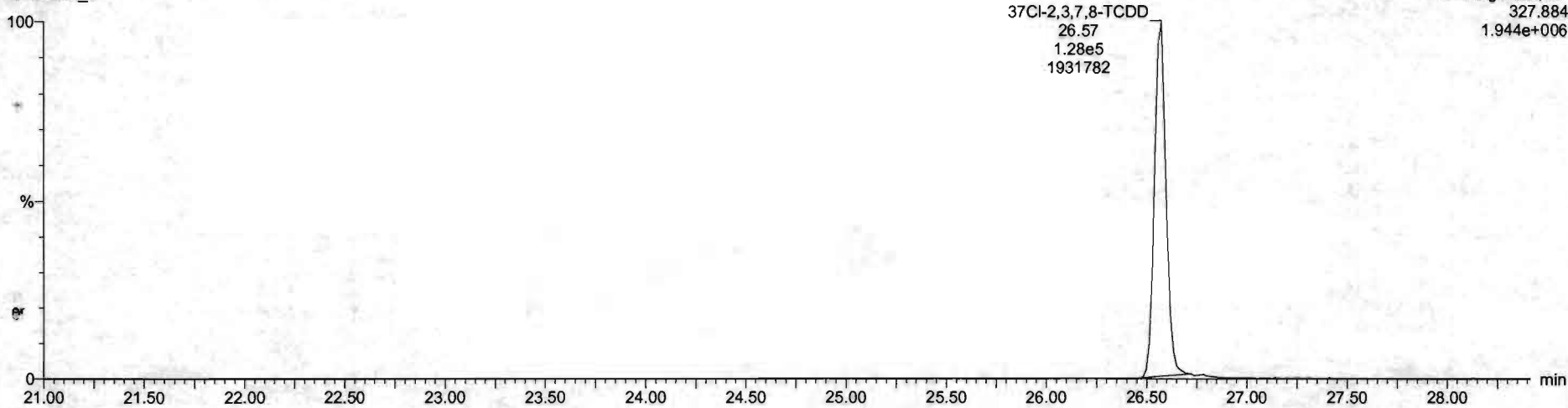
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Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

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

200528R2_8

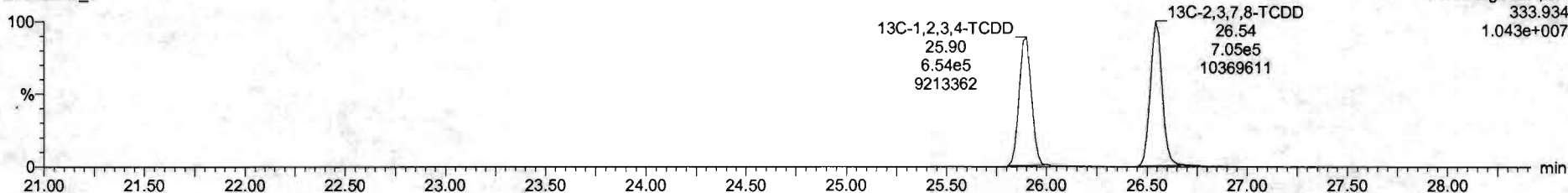


13C-1,2,3,4-TCDD

200528R2_8



200528R2_8



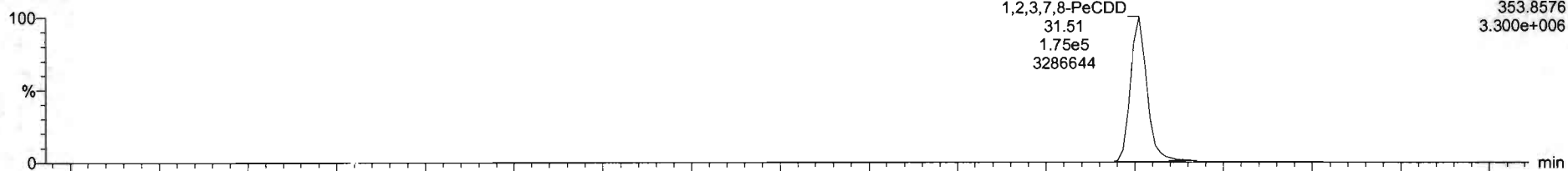
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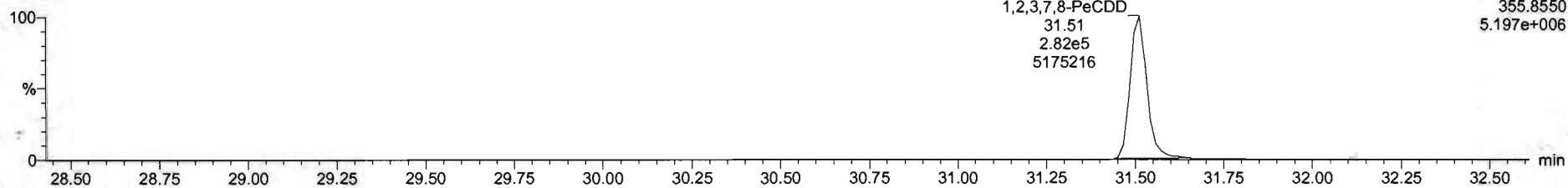
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1,2,3,7,8-PeCDD

200528R2_8

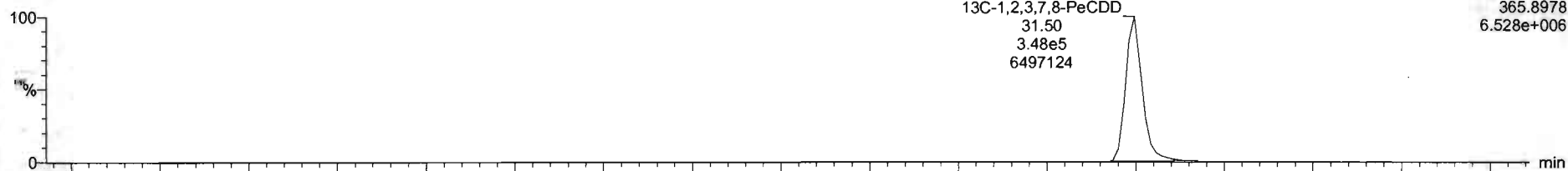


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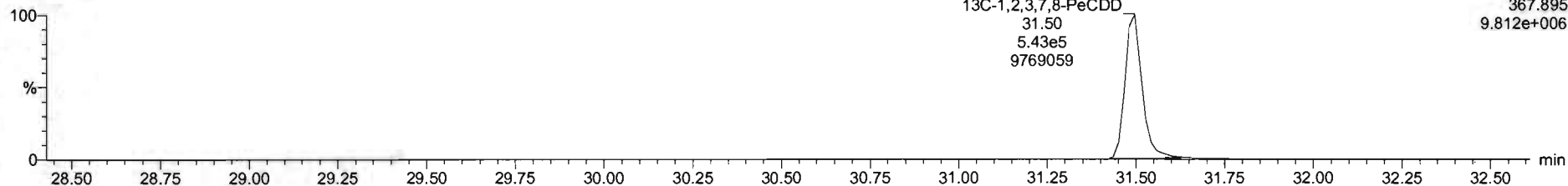


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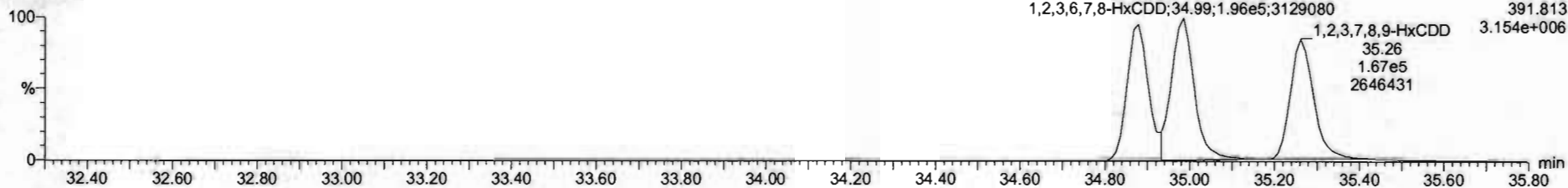
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1,2,3,4,7,8-HxCDD

200528R2_8

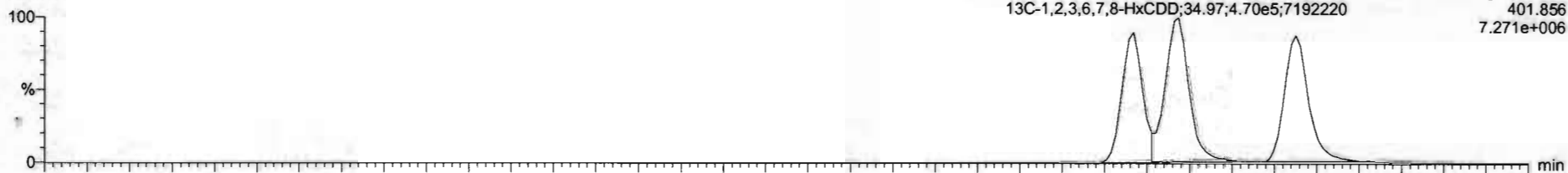


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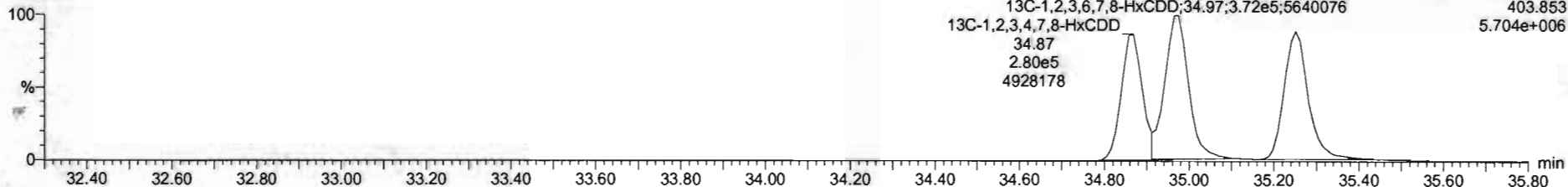


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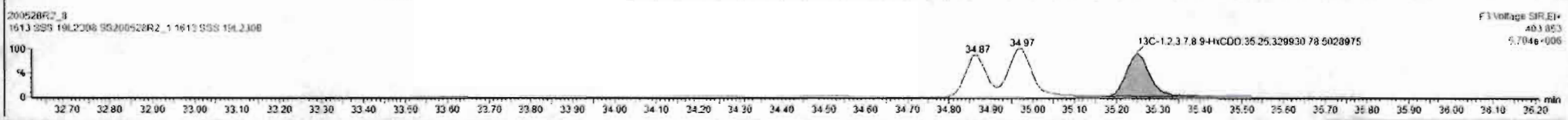
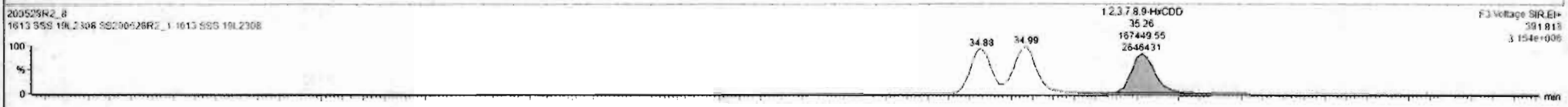
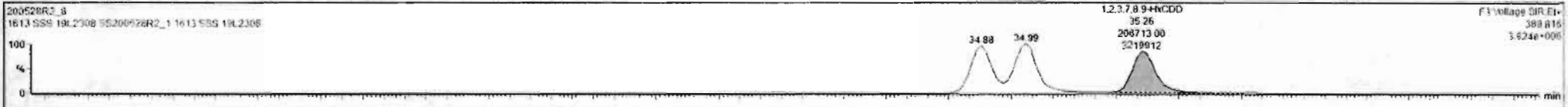
200528R2_8



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	1,2,3,4,6,7,8-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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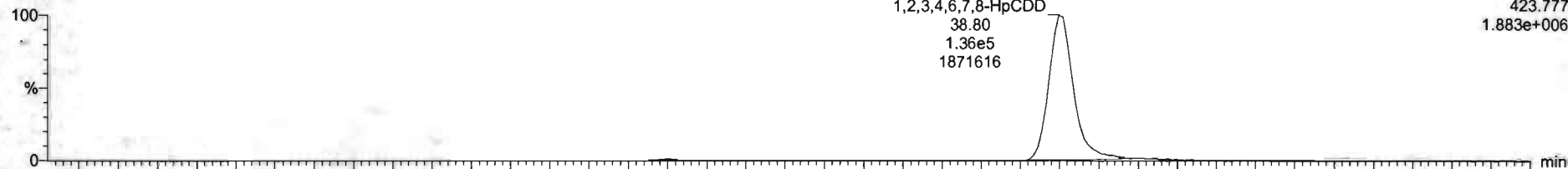
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Printed: Friday, May 29, 2020 7:38:30 AM Pacific Daylight Time

Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

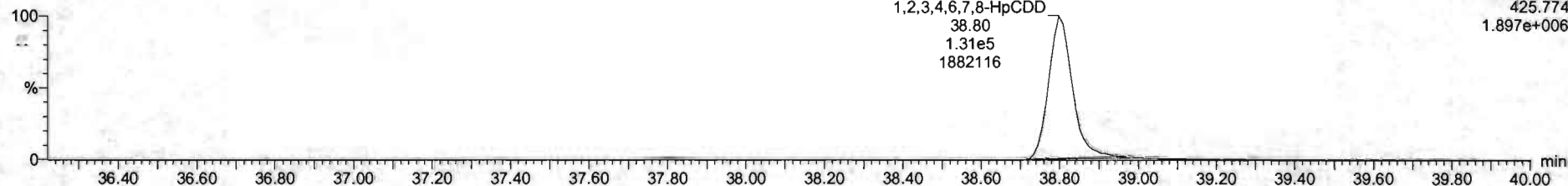
1,2,3,4,6,7,8-HpCDD

200528R2_8



F4:Voltage SIR,EI+
423.777
1.883e+006

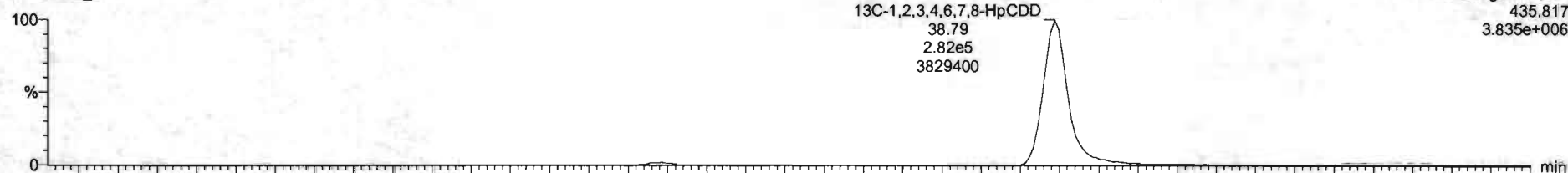
200528R2_8



F4:Voltage SIR,EI+
425.774
1.897e+006

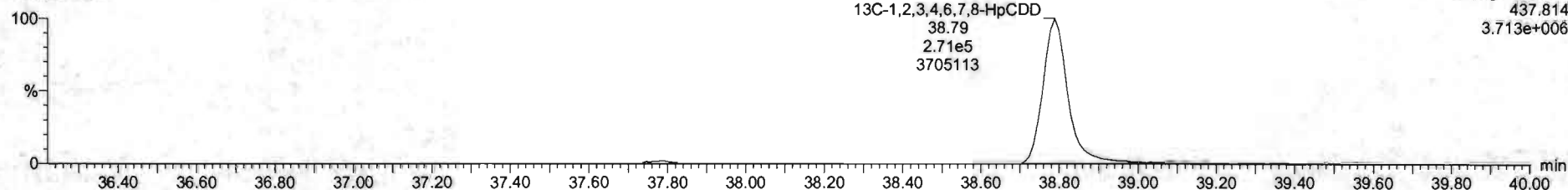
13C-1,2,3,4,6,7,8-HpCDD

200528R2_8



F4:Voltage SIR,EI+
435.817
3.835e+006

200528R2_8



F4:Voltage SIR,EI+
437.814
3.713e+006

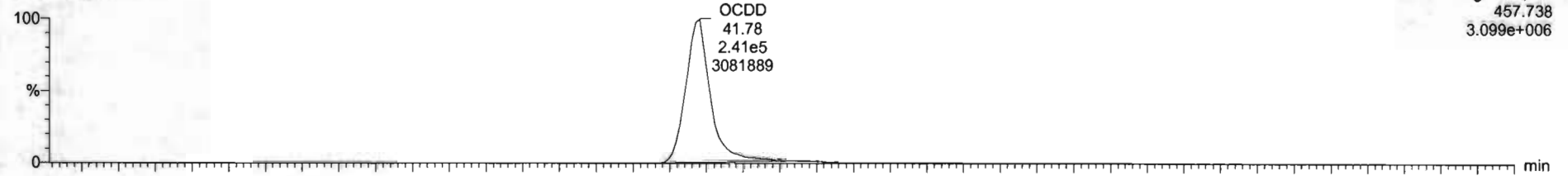
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Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

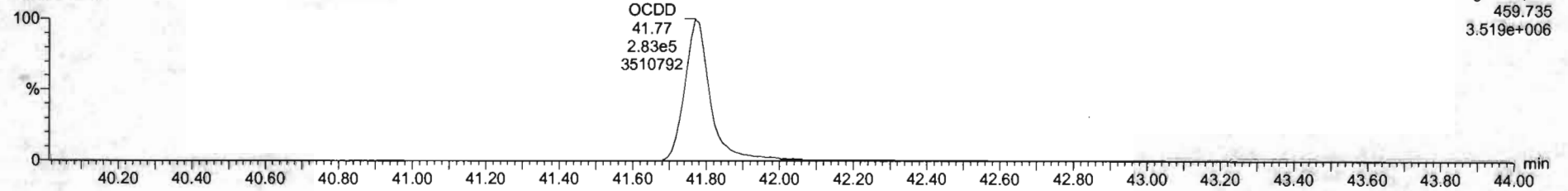
OCDD

200528R2_8



F5: Voltage SIR, EI+
457.738
3.099e+006

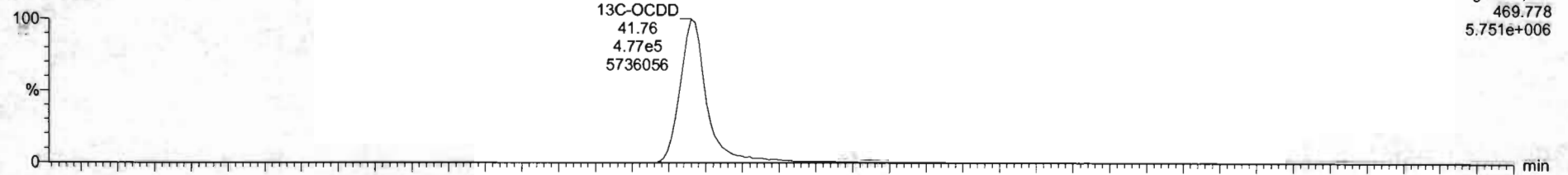
200528R2_8



F5: Voltage SIR, EI+
459.735
3.519e+006

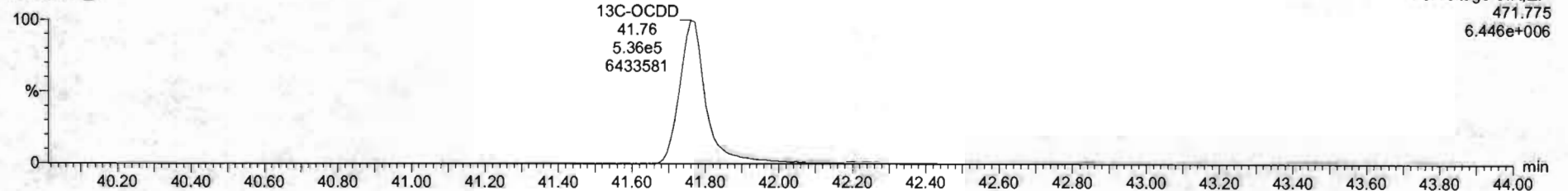
13C-OCDD

200528R2_8



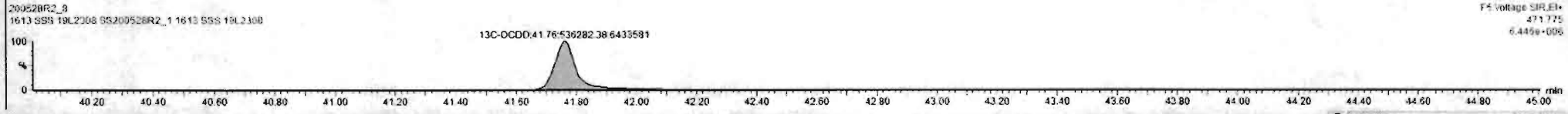
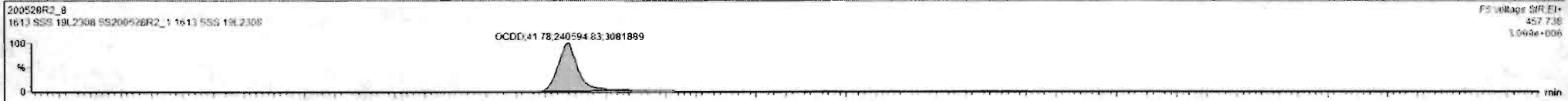
F5: Voltage SIR, EI+
469.778
5.751e+006

200528R2_8



F5: Voltage SIR, EI+
471.775
6.446e+006

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	115	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	



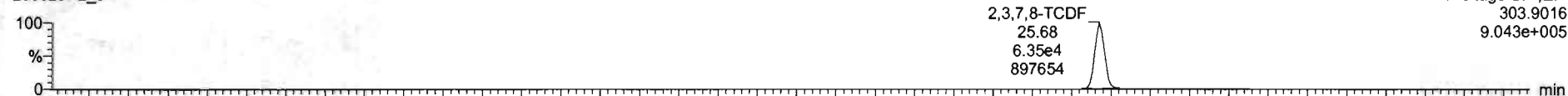
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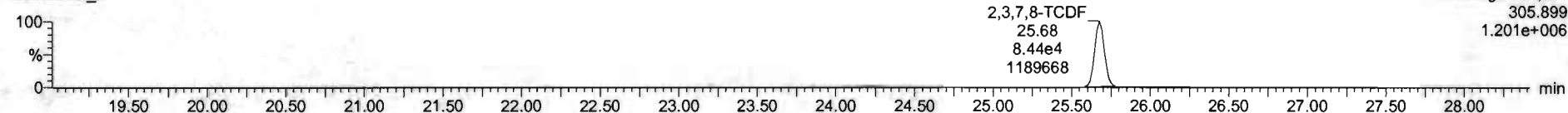
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2,3,7,8-TCDF

200528R2_8

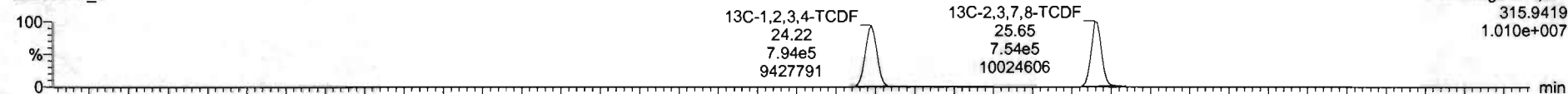


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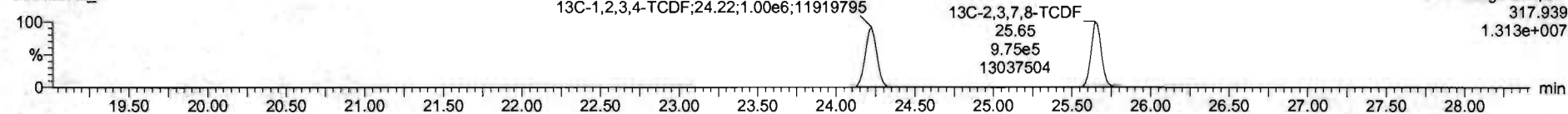


13C-2,3,7,8-TCDF

200528R2_8

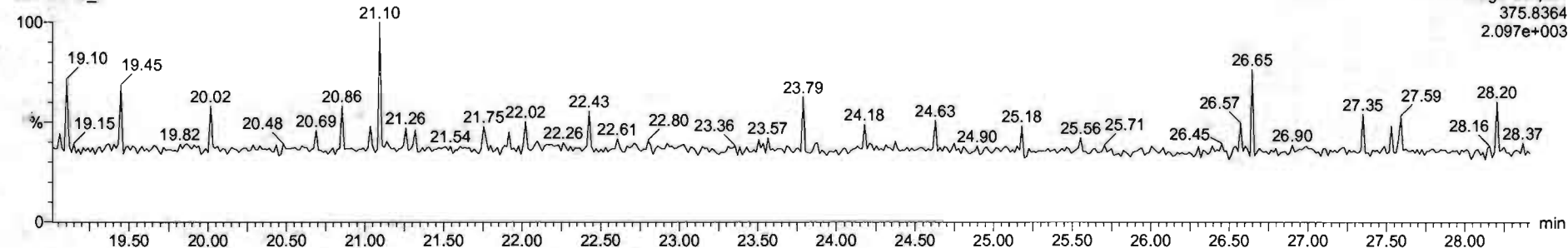


200528R2_8



DPE1

200528R2_8



Dataset: Untitled

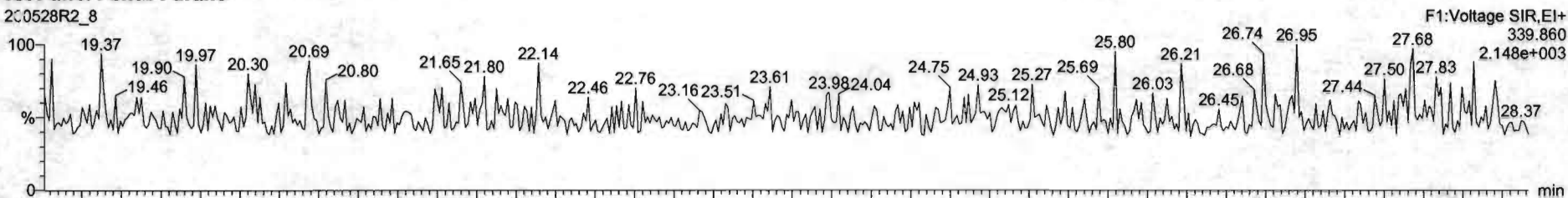
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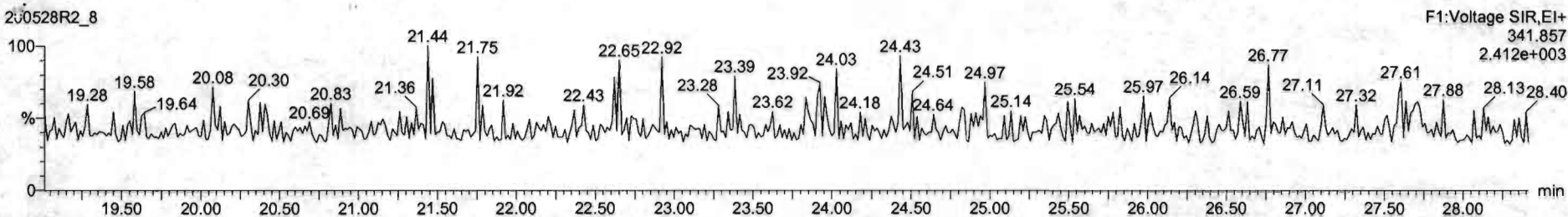
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200528R2_8

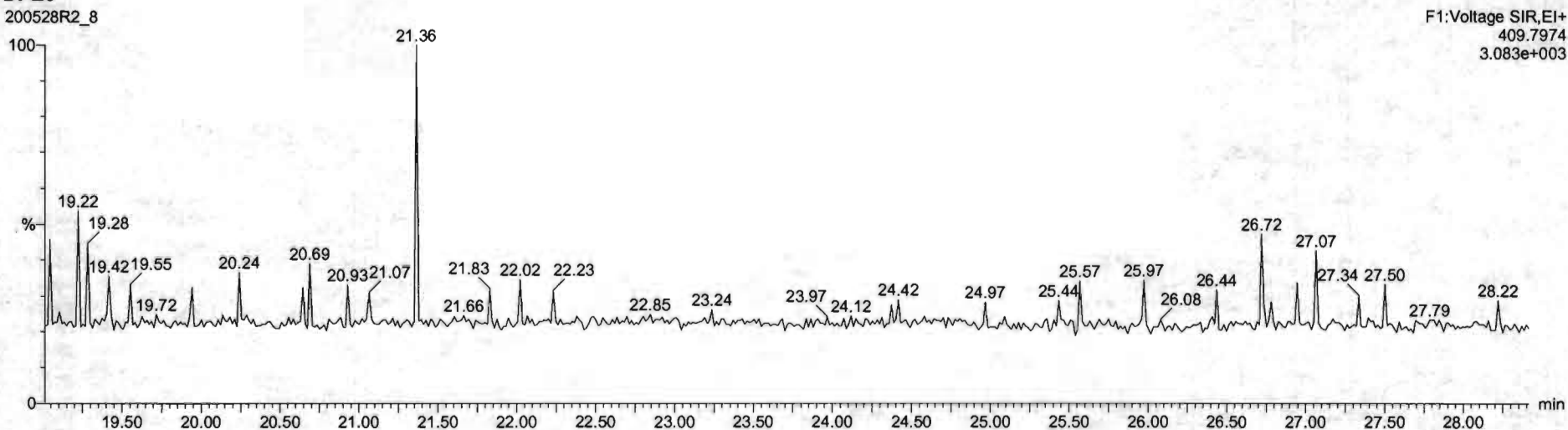


200528R2_8



DPE6

200528R2_8



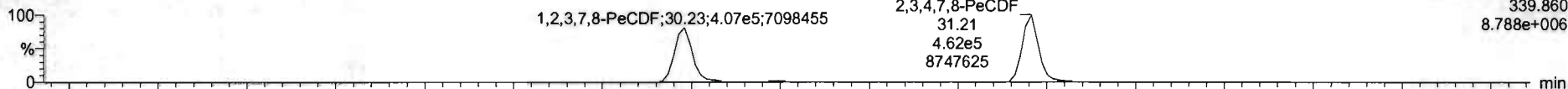
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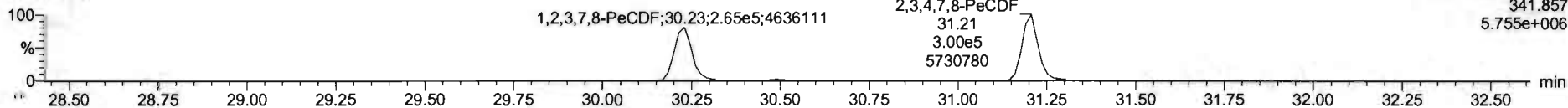
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1,2,3,7,8-PeCDF

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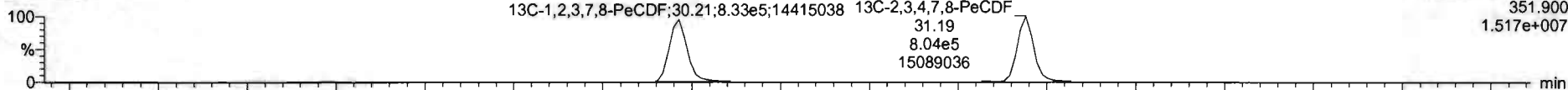


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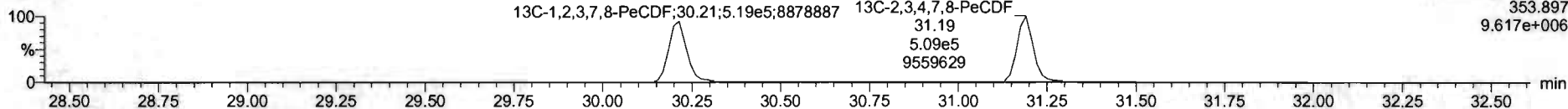


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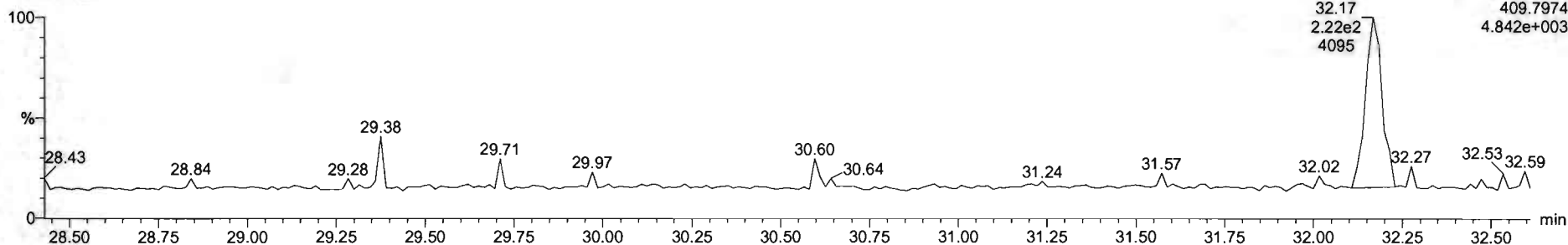


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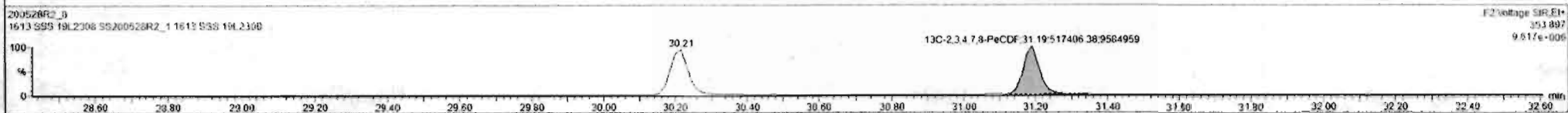
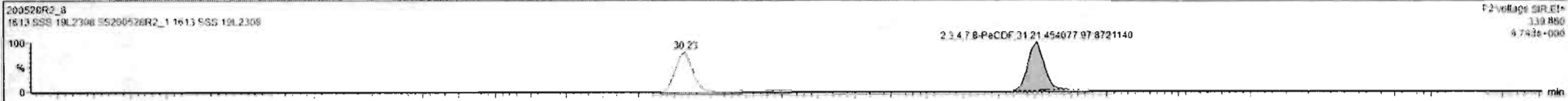


DPE2

200528R2_8



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	



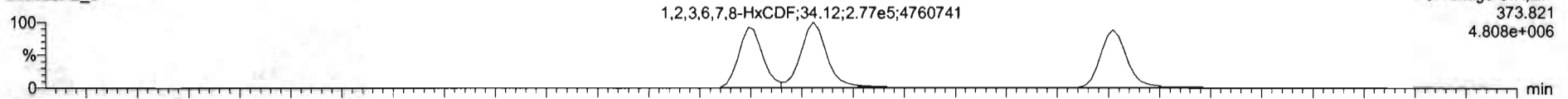
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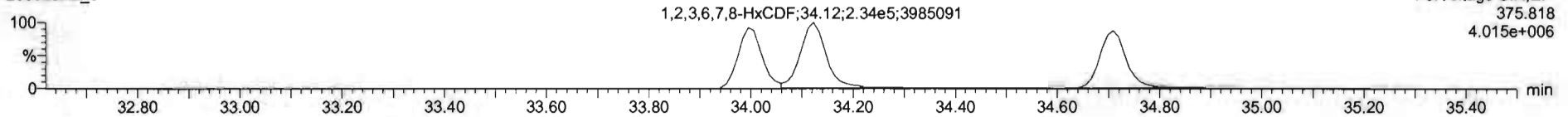
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1,2,3,4,7,8-HxCDF

200528R2_8

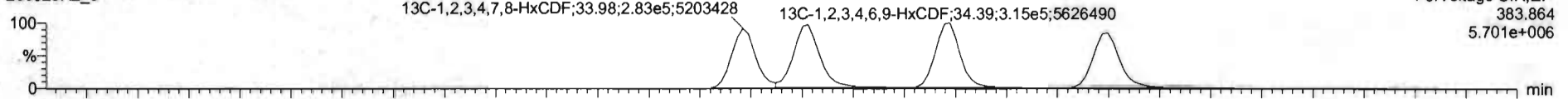


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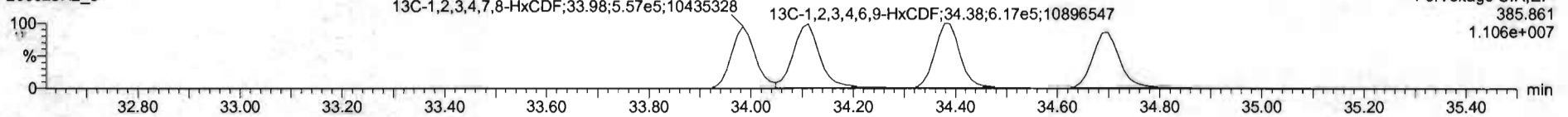


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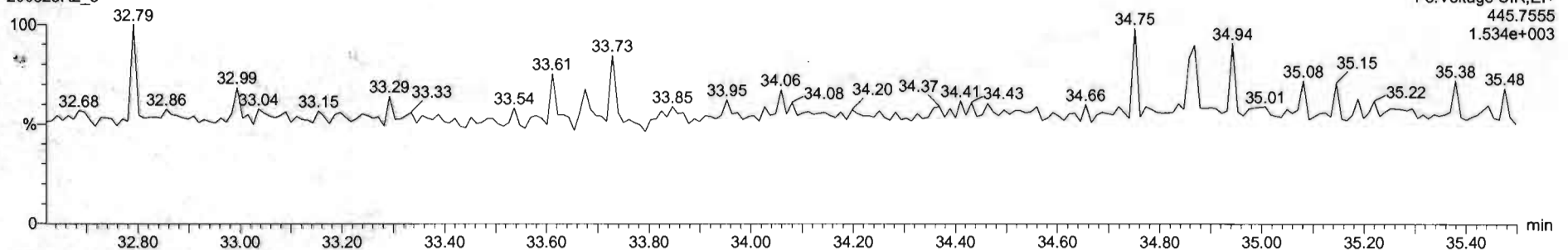


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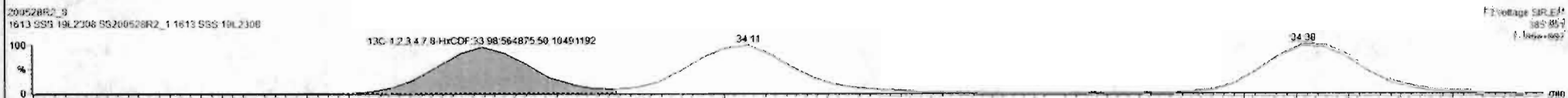
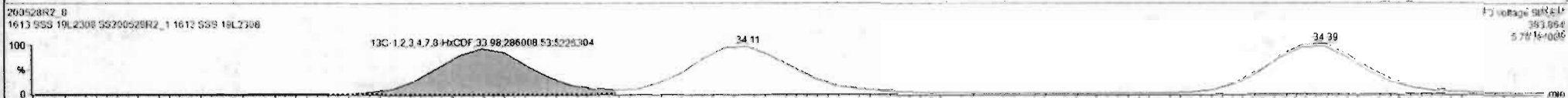
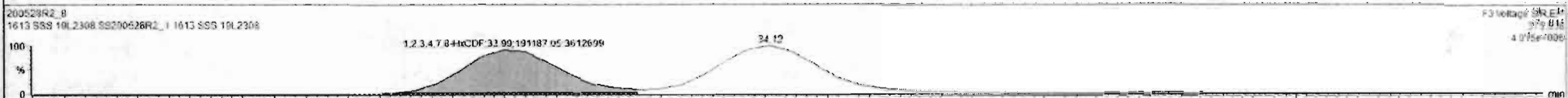
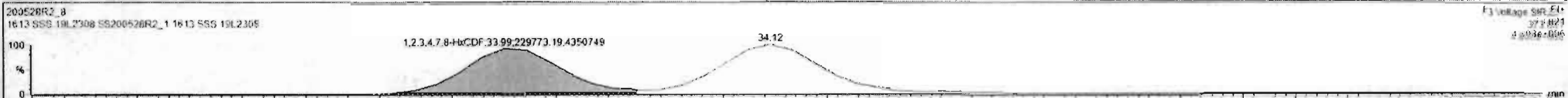


DPE3

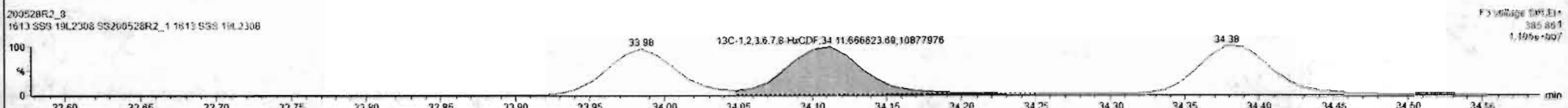
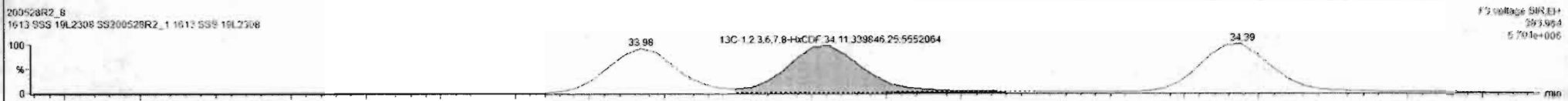
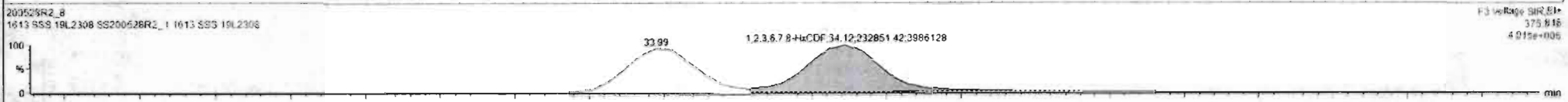
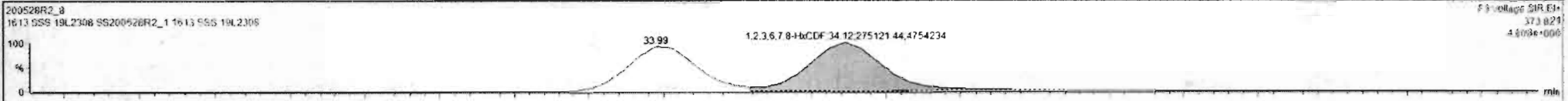
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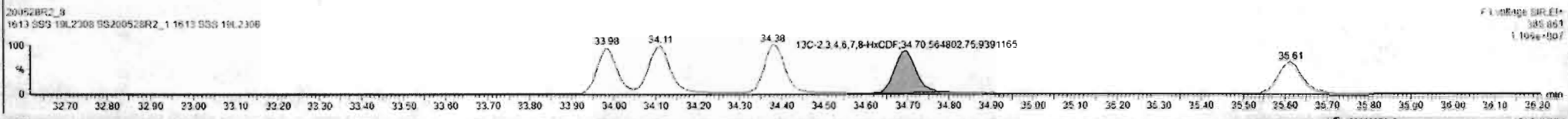
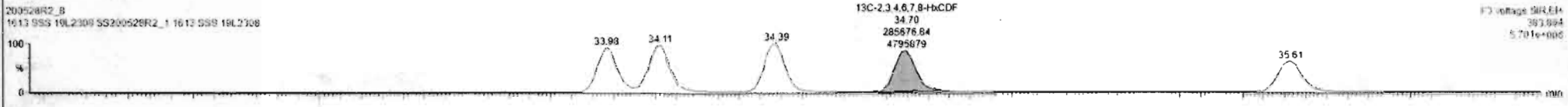
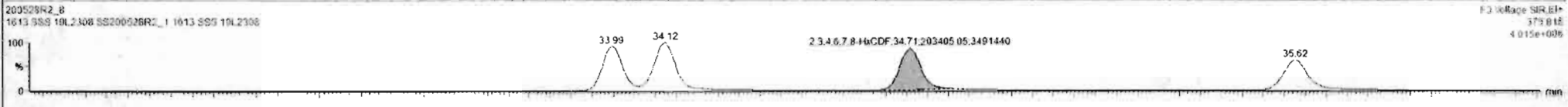
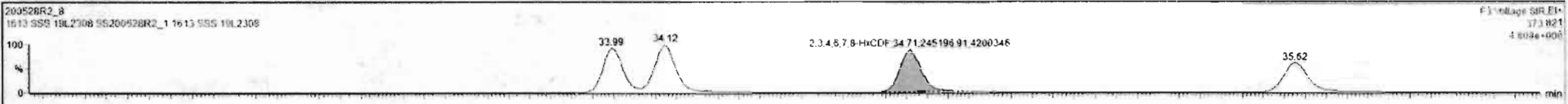
Name	Resp	RA	nly	RRF	wVal	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.24e5	0.76	NO	0.8863	1.000	26.57	1.001	11.1	111	0.0262	11.1
2 1,2,3,7,8-PeCDD	4.57e5	0.62	NO	0.8981	1.000	31.51	1.000	56.4	113	0.0622	56.4
3 1,2,3,4,7,8-HxCDD	3.86e5	1.22	NO	1.0334	1.000	24.86	1.000	56.0	116	0.1011	56.0
4 1,2,3,6,7,8-HxCDD	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	26.50	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	1.1562	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 1,2,3,7,8,9-HxCDF	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	0.176	



SL	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	56.4	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	56.0
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	0.8039	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	25.66	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	0.9146	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	0.8545	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	0.8262	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	0.8065	1.000	41.96	1.000	114	114	0.201	114
18	13C-2,3,7,8-TCDD	1.26e6	0.75	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	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	



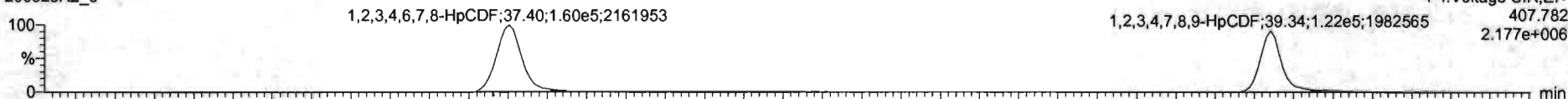
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Last Altered: Friday, May 29, 2020 7:38:11 AM Pacific Daylight Time
Printed: Friday, May 29, 2020 7:38:30 AM Pacific Daylight Time

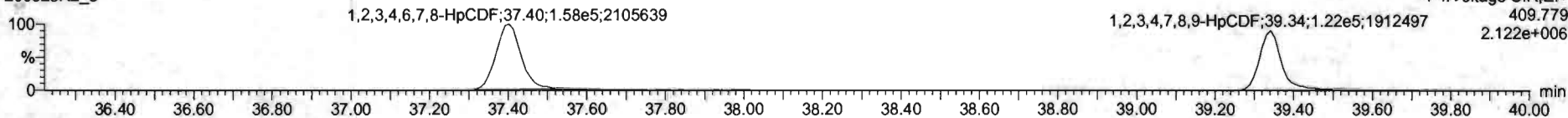
Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

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

200528R2_8



200528R2_8

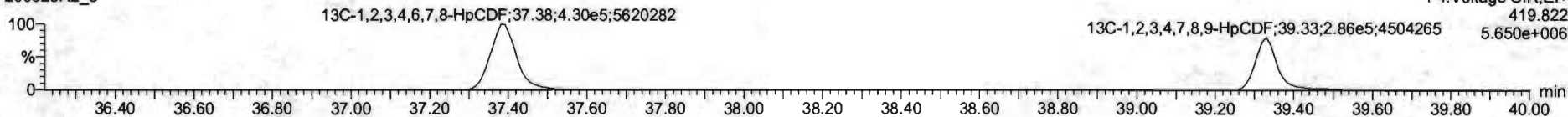


13C-1,2,3,4,6,7,8-HpCDF

200528R2_8

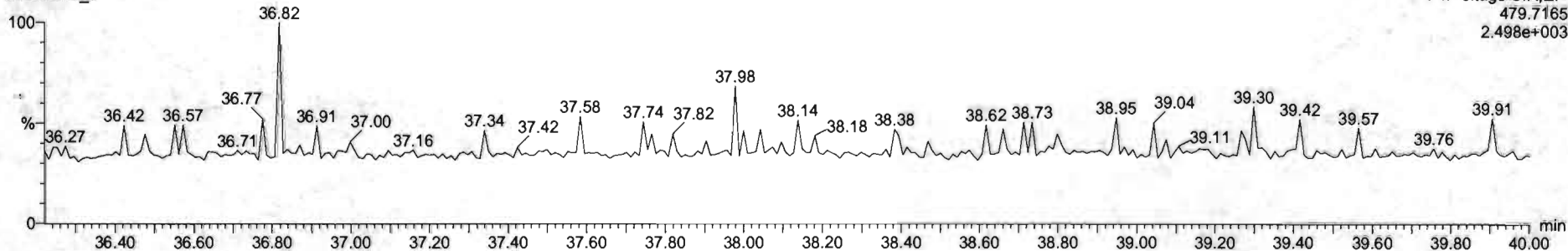


200528R2_8

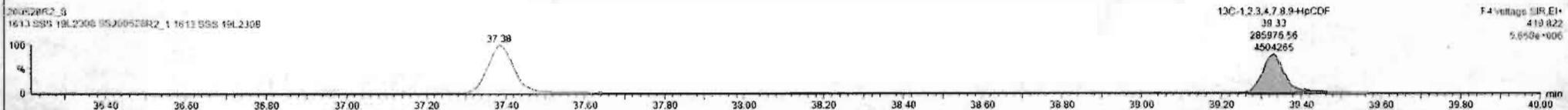
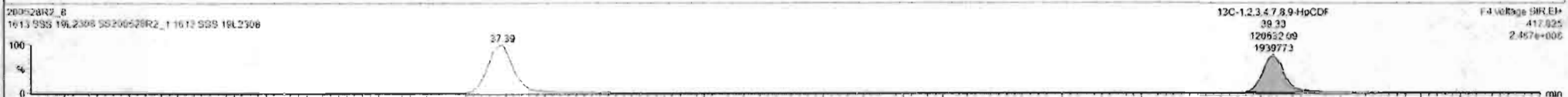


DPE4

200528R2_8



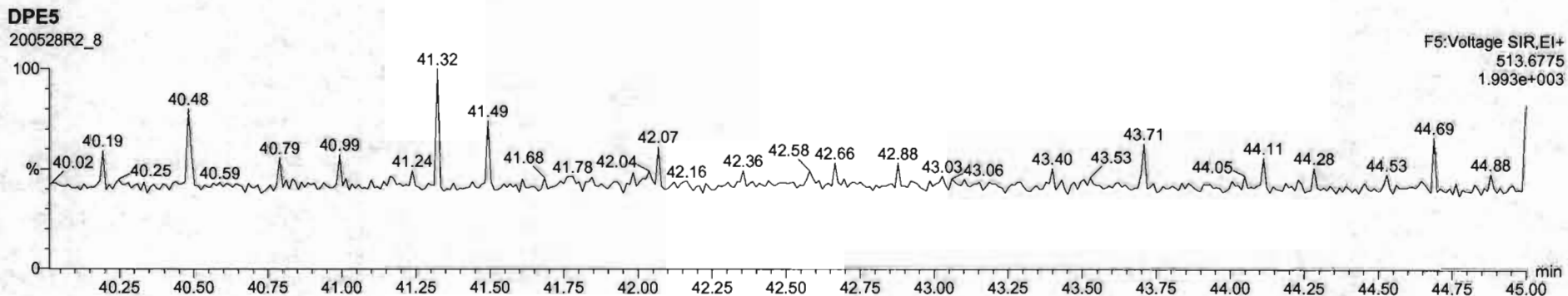
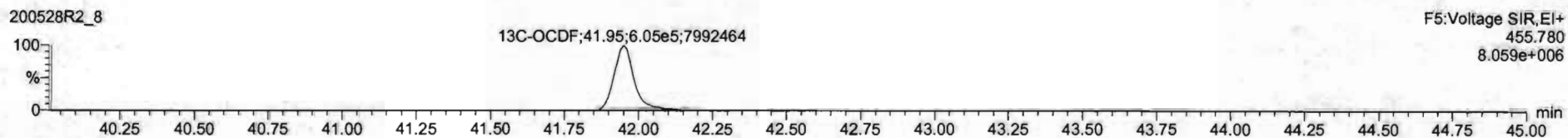
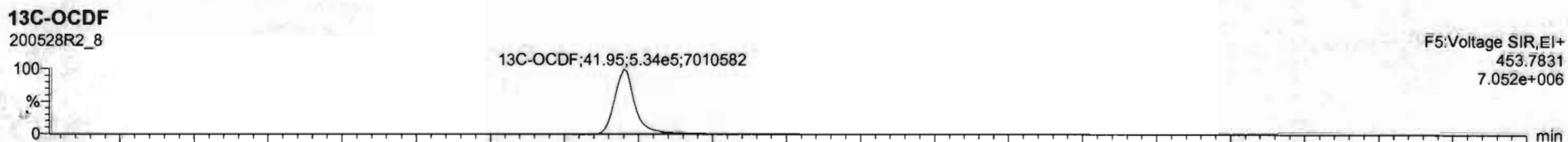
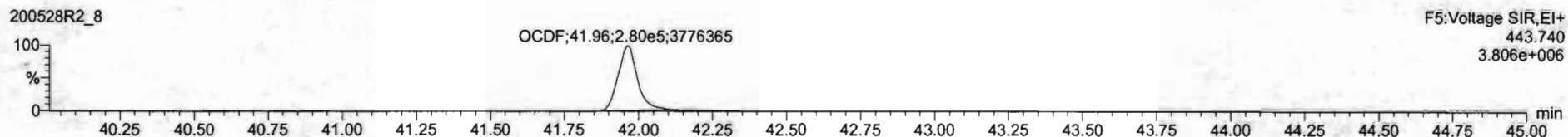
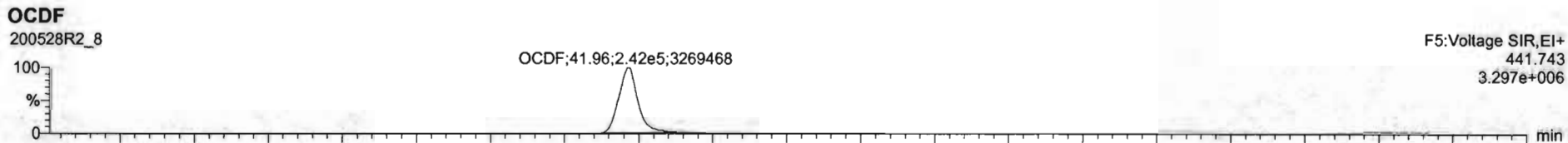
SL	Name	Resp	RA	nfy	RRF	w/Vol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.24e5	0.76	NO	0.8883	1.000	26.57	1.001	11.1	111	0.0262	11.1
2	1,2,3,7,8-PeCDD	4.57e5	0.82	NO	0.9081	1.000	31.01	1.000	58.4	113	0.0622	58.4
3	1,2,3,4,7,8-HxCDD	2.56e5	1.22	NO	1.0334	1.000	24.86	1.000	58.0	116	0.101	58.0
4	1,2,3,6,7,8-HxCDD	4.35e5	1.22	NO	0.8925	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	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	25.65	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	2.35e5	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	1.1563	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	0.8490	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

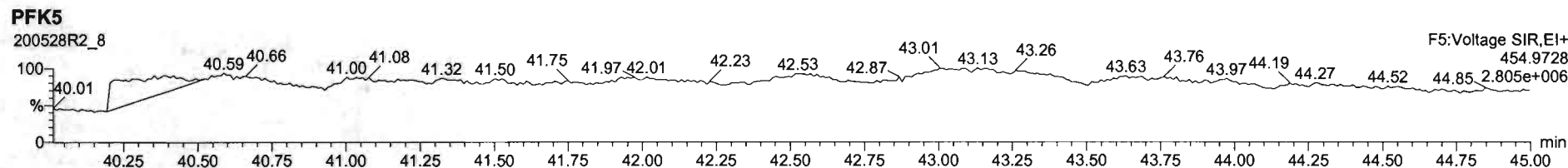
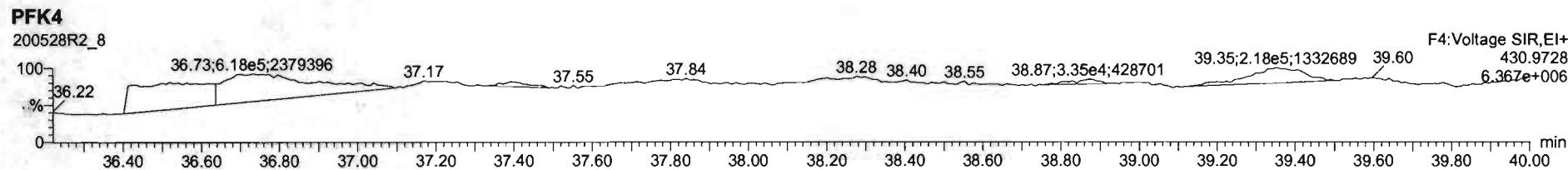
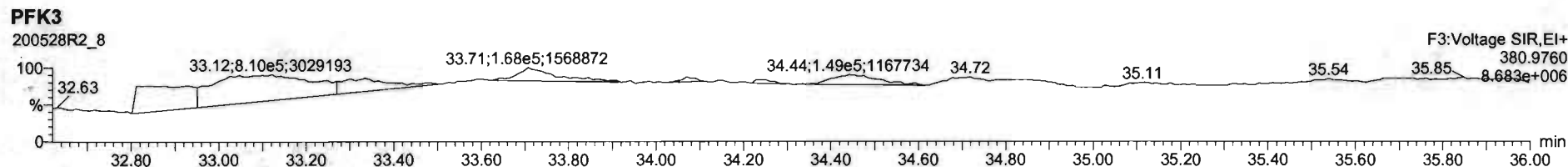
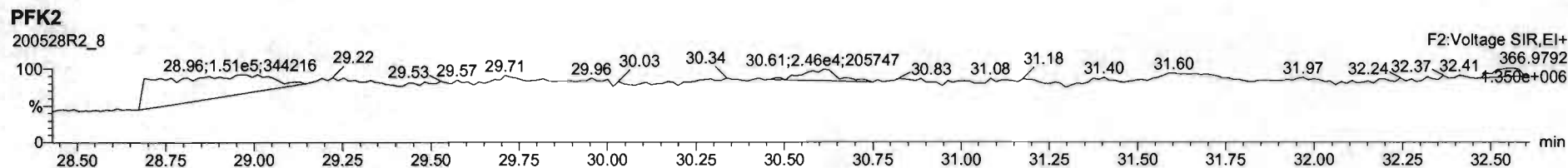
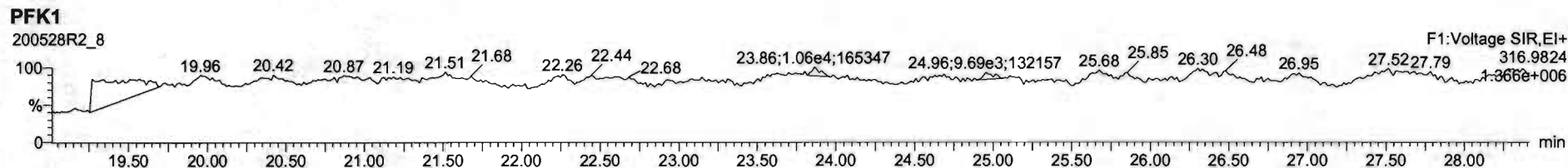
Name: 200528R2_8, Date: 28-May-2020, Time: 17:24:01, ID: SS200528R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308



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

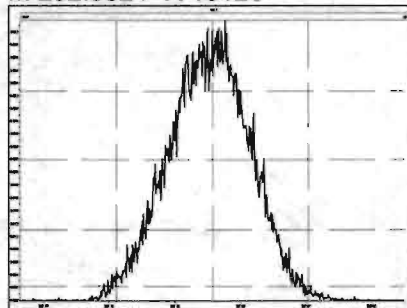
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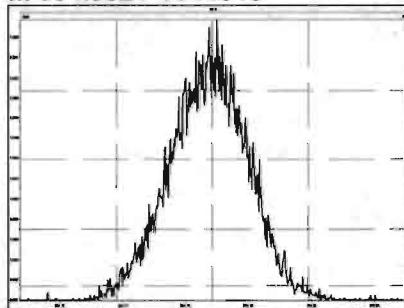
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Printed: Friday, May 29, 2020 07:19:01 Pacific Daylight Time

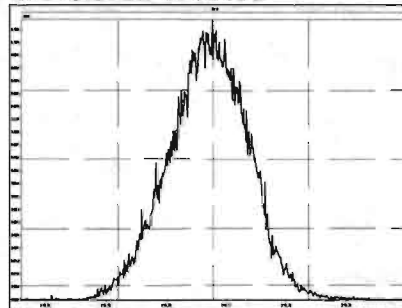
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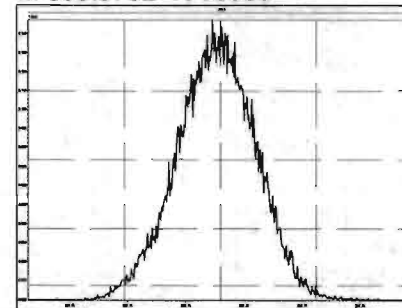
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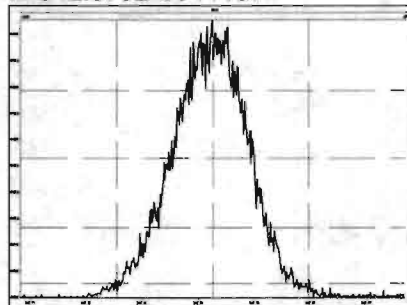
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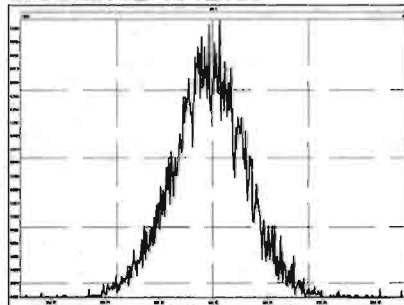
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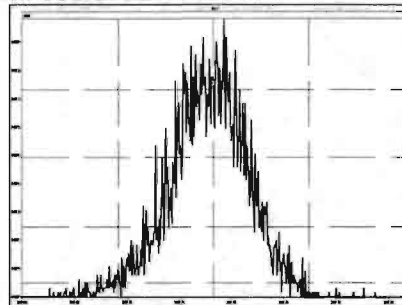
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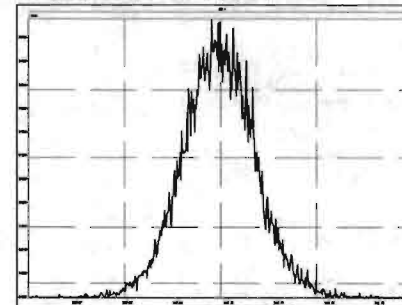
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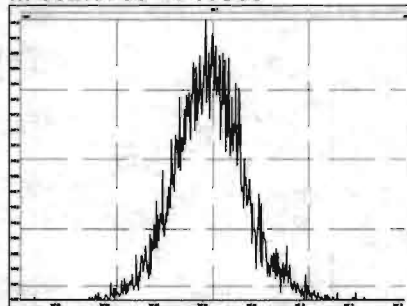
M 366.9792 R 12311



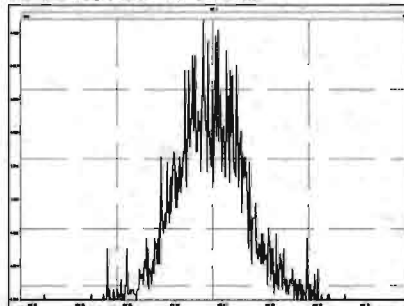
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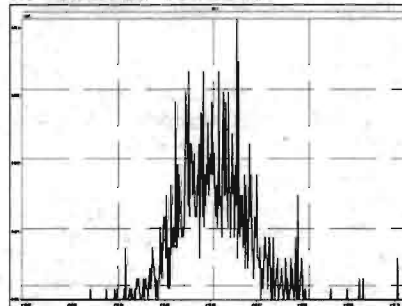
M 392.9760 R 13589



M 404.9760 R 14045



M 416.9760 R 18245



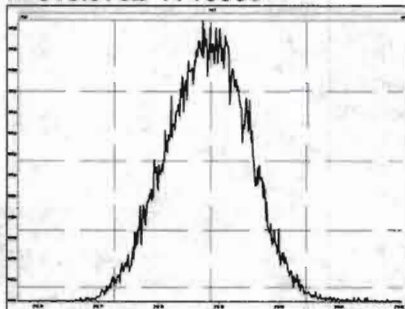
Experiment Calibration Report

MassLynx 4.1 SCN815

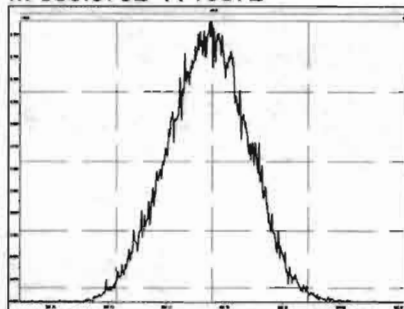
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Printed: Friday, May 29, 2020 07:19:21 Pacific Daylight Time

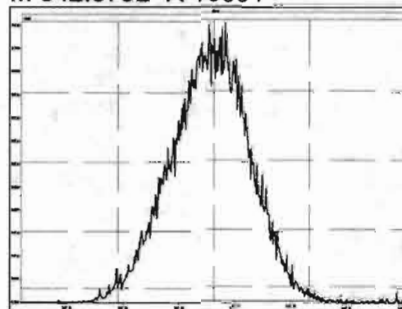
M 318.9792 R 10000



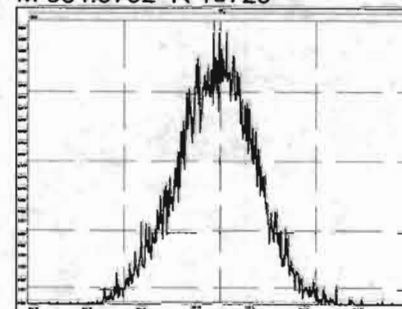
M 330.9792 R 10372



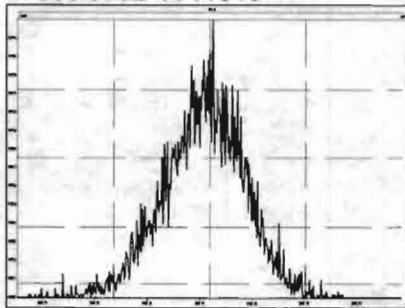
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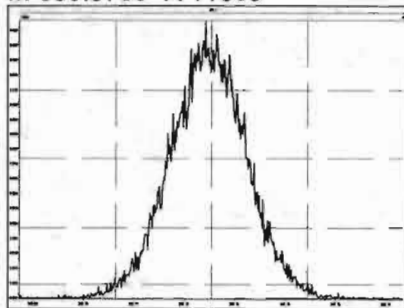
M 354.9792 R 10729



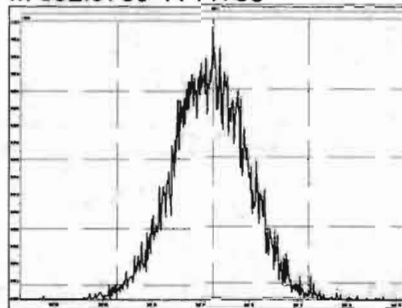
M 366.9792 R 11015



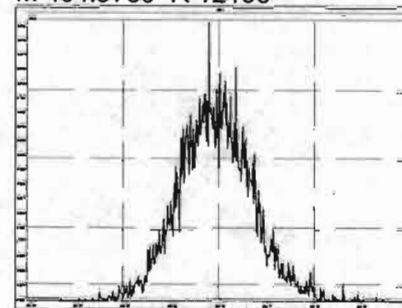
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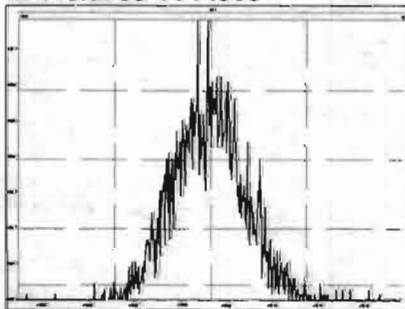
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M 404.9760 R 12196



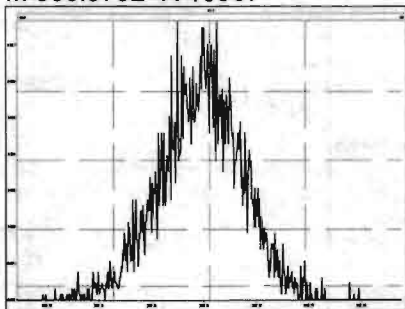
M 416.9760 R 14968



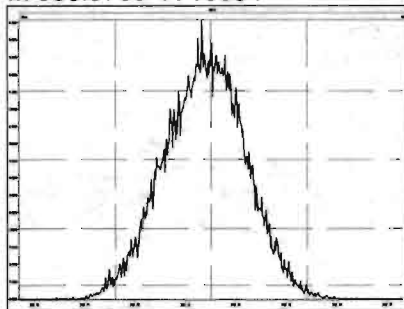
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Printed: Friday, May 29, 2020 07:19:38 Pacific Daylight Time

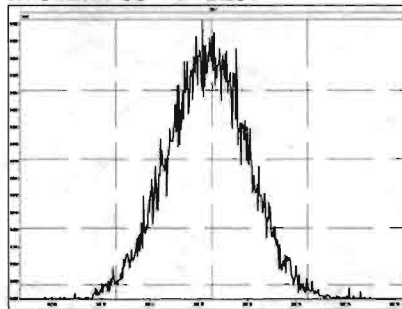
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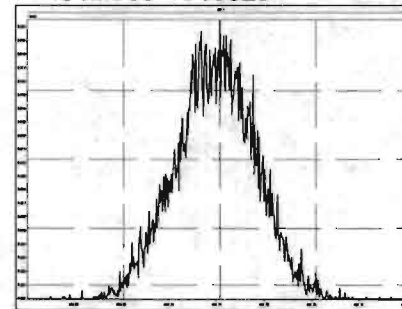
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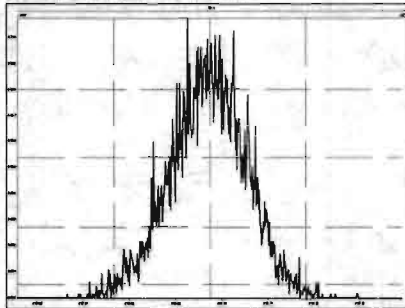
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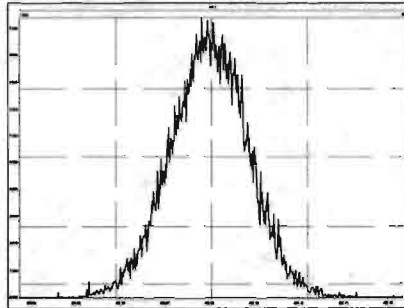
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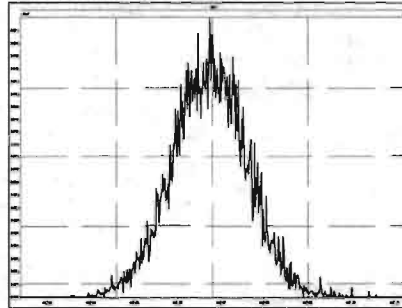
M 416.9760 R 11160



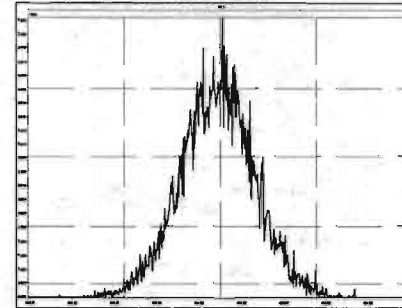
M 430.9728 R 11208



M 442.9728 R 12195



M 454.9728 R 10963



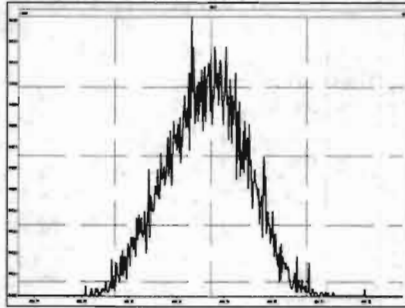
Experiment Calibration Report

MassLynx 4.1 SCN815

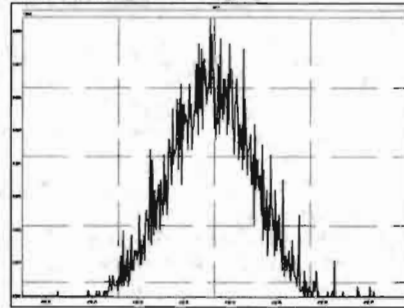
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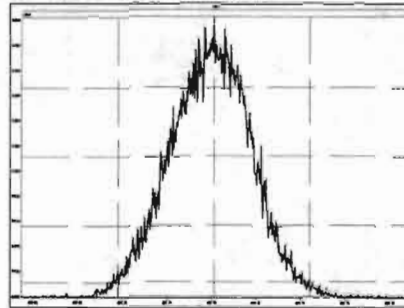
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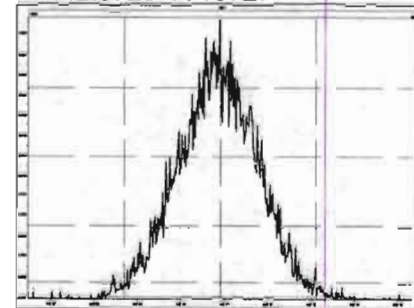
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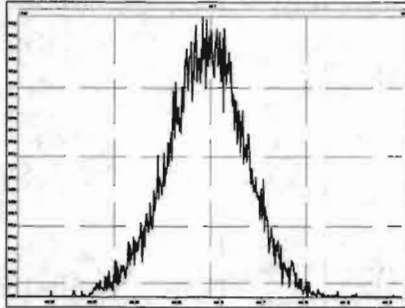
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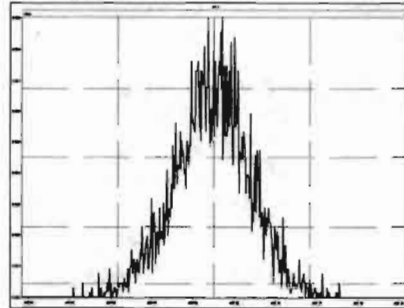
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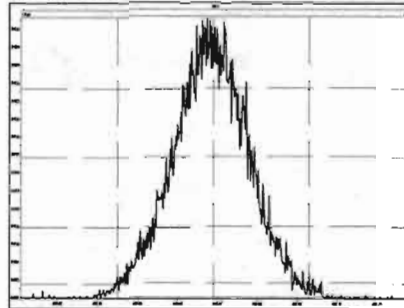
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M 466.9728 R 12628



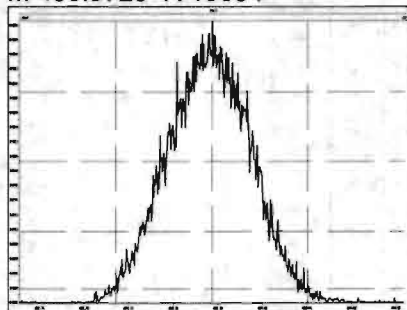
M 480.9696 R 11111



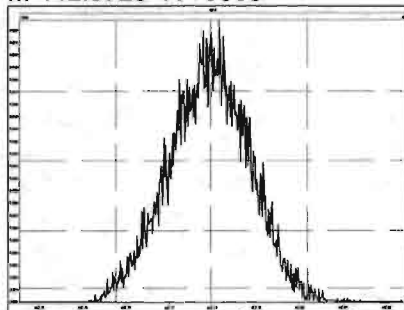
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Printed: Friday, May 29, 2020 07:20:18 Pacific Daylight Time

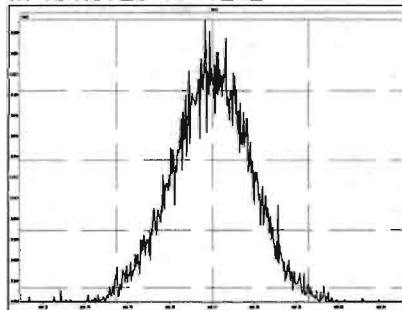
M 430.9728 R 10684



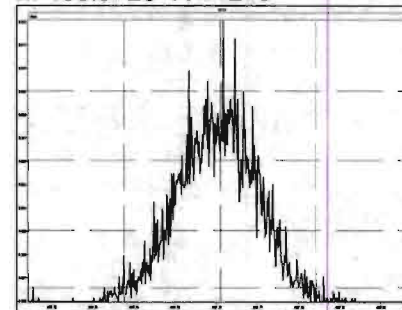
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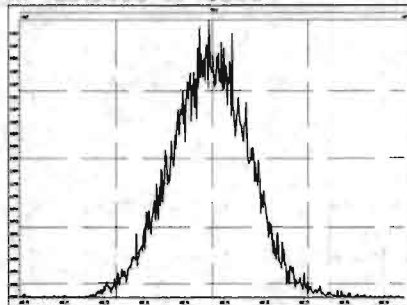
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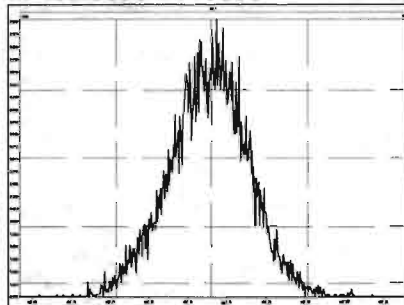
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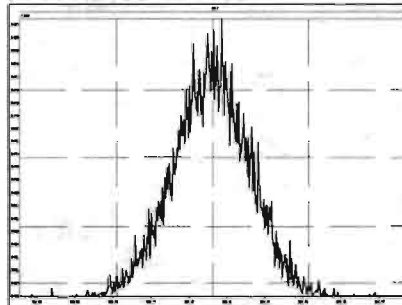
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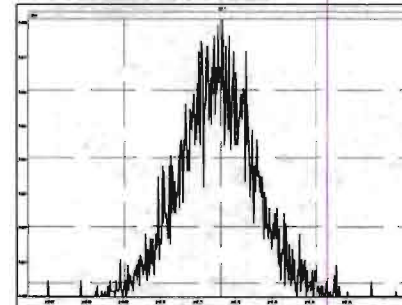
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M 504.9696 R 11681



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 02/12/2020

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

Vista Analytical Laboratory VG-9

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

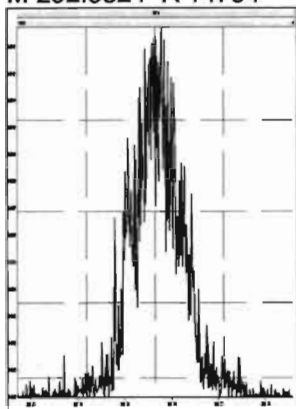
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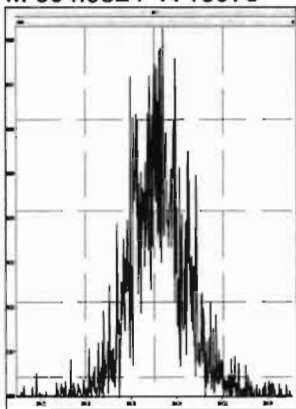
Compound name: 2,3,7,8-TCDF

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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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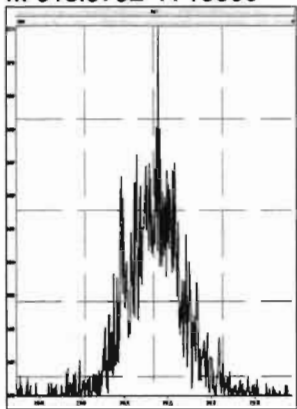
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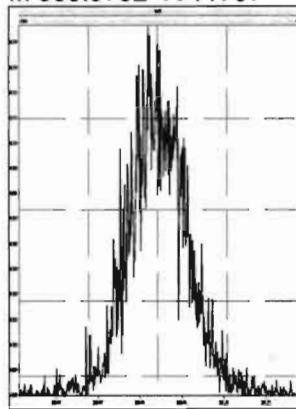
M 304.9824 R 15978



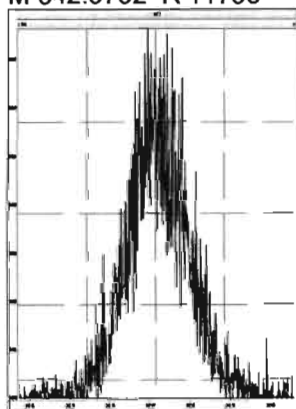
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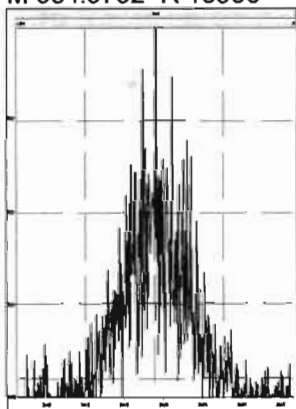
M 330.9792 R 11737



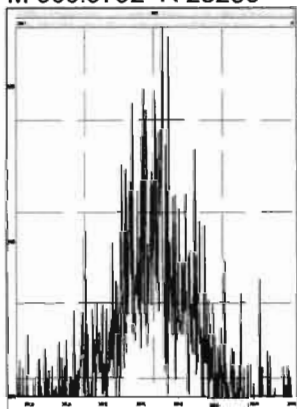
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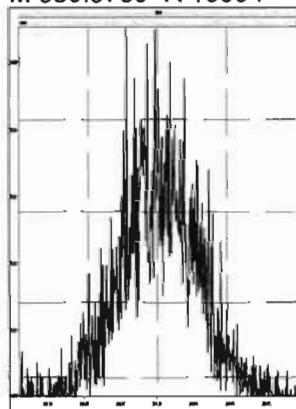
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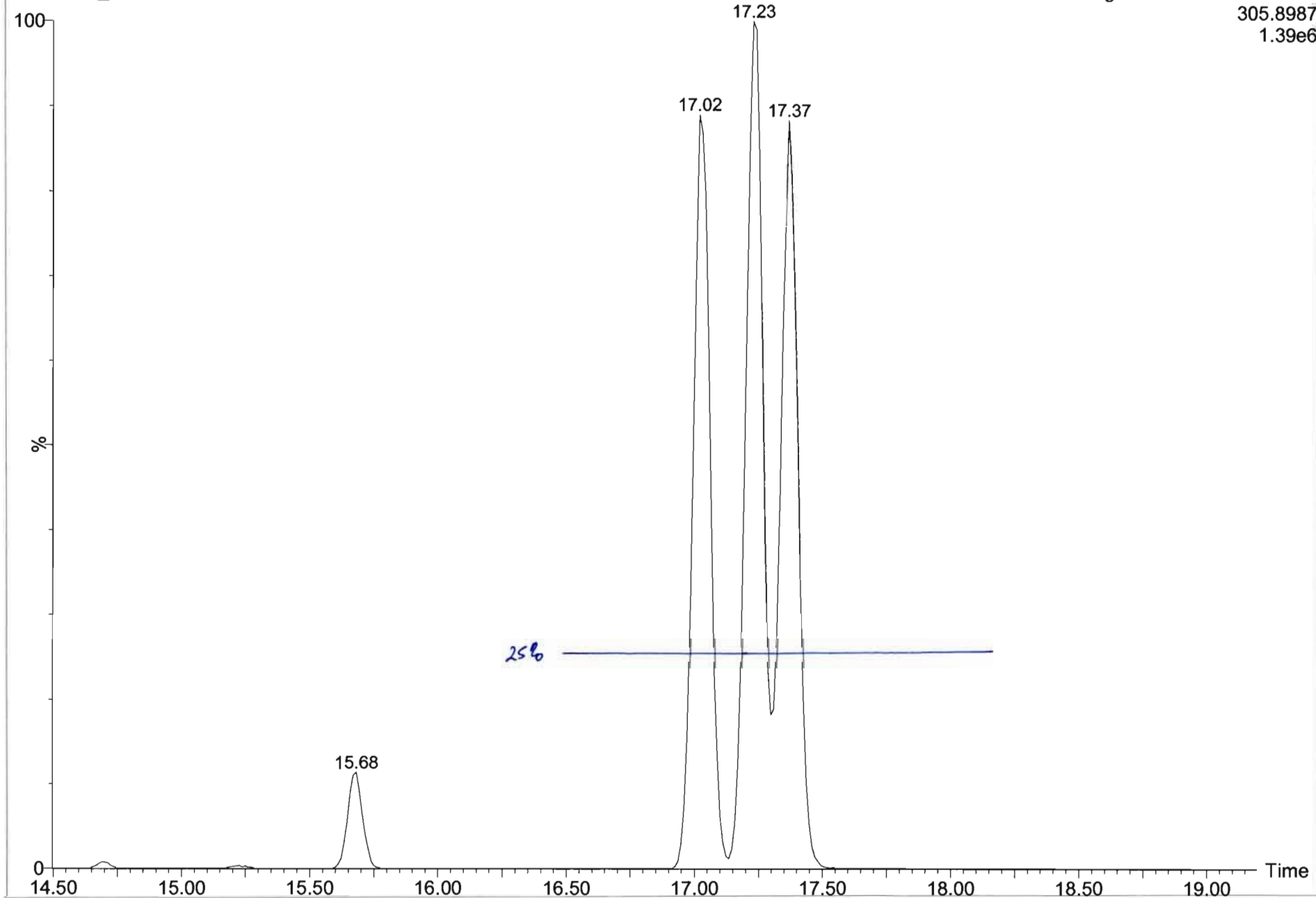


M 366.9792 R 28256



M 380.9760 R 13094





Dataset: U:\VG7.PRO\Results\200211D2\200111D2_2.qld

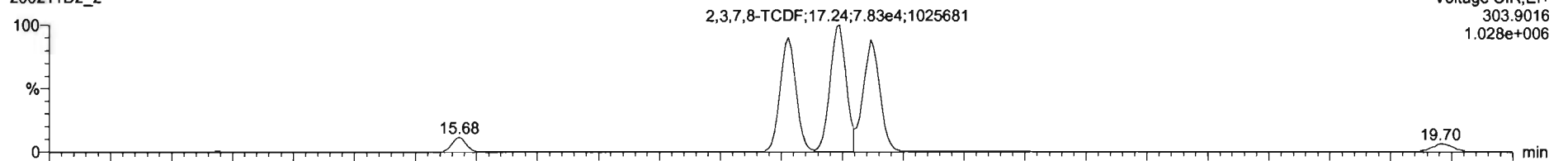
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Printed: Wednesday, February 12, 2020 10:15:34 Pacific Standard Time

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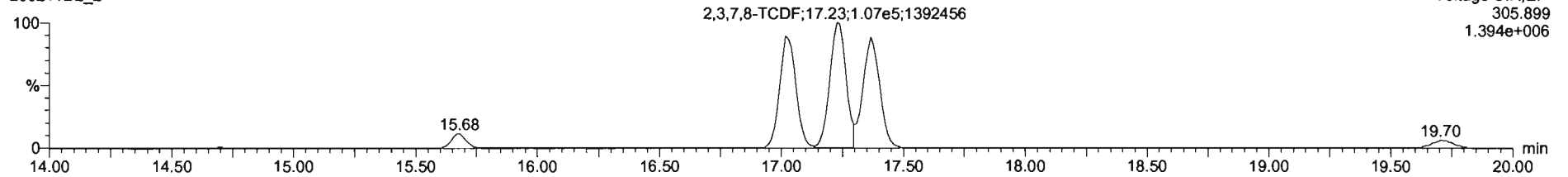
2,3,7,8-TCDF

200211D2_2



Voltage SIR,EI+
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1.028e+006

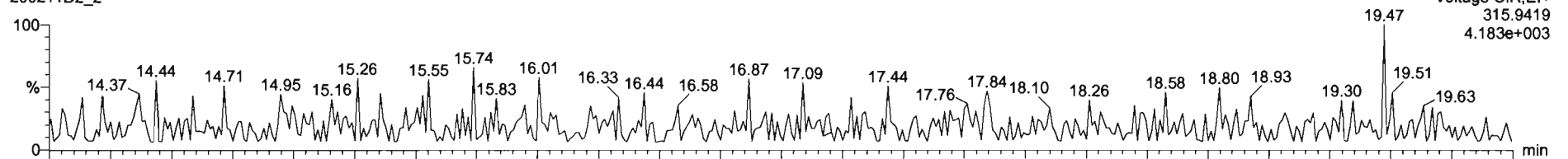
200211D2_2



Voltage SIR,EI+
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1.394e+006

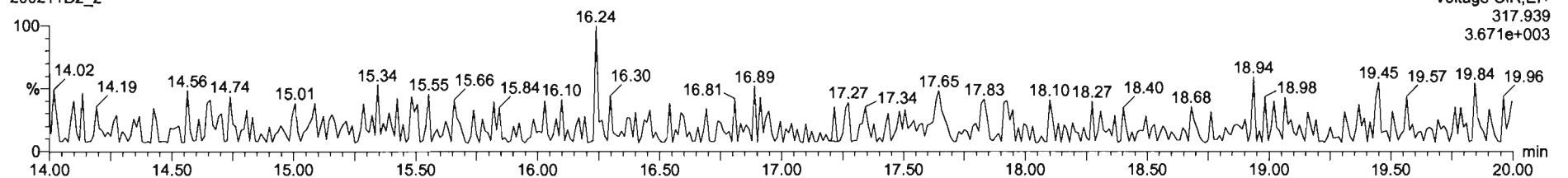
13C-2,3,7,8-TCDF

200211D2_2



Voltage SIR,EI+
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4.183e+003

200211D2_2



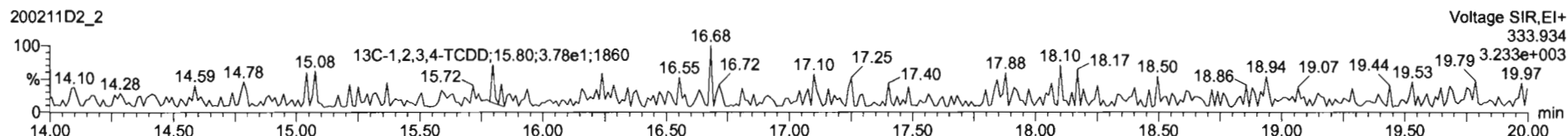
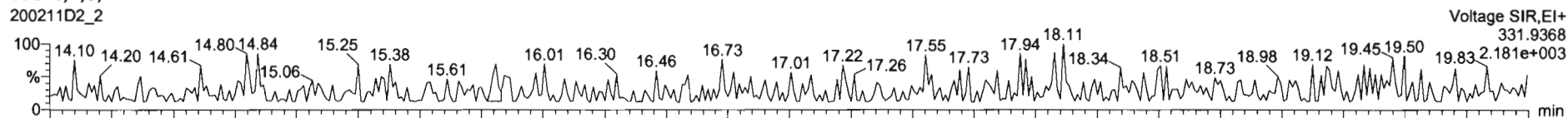
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Dataset: U:\VG7.PRO\Results\200211D2\200111D2_2.qld

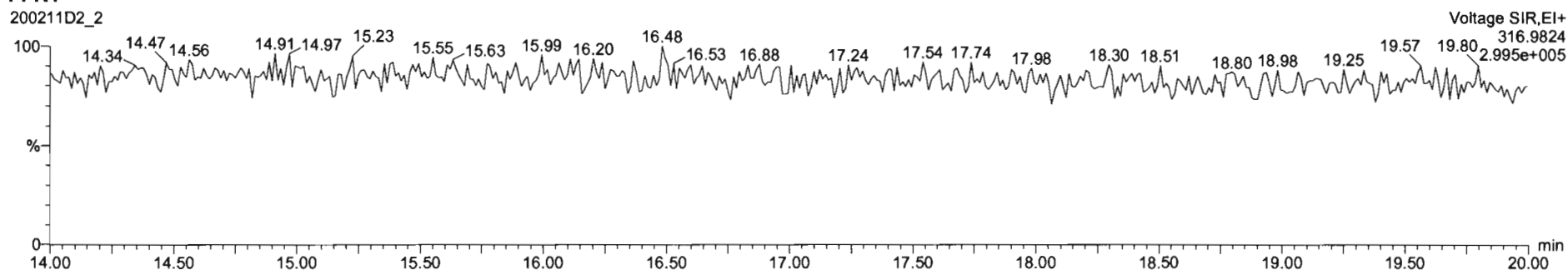
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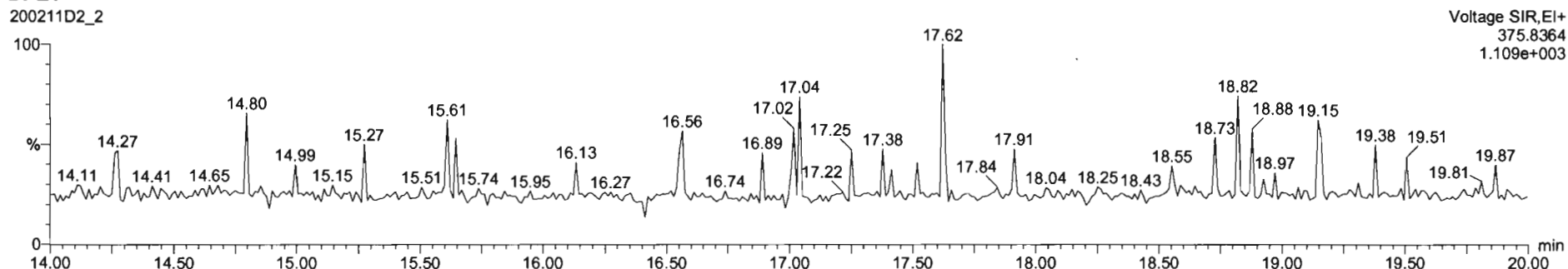
13C-1,2,3,4-TCDD



PFK1



DPE1



Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

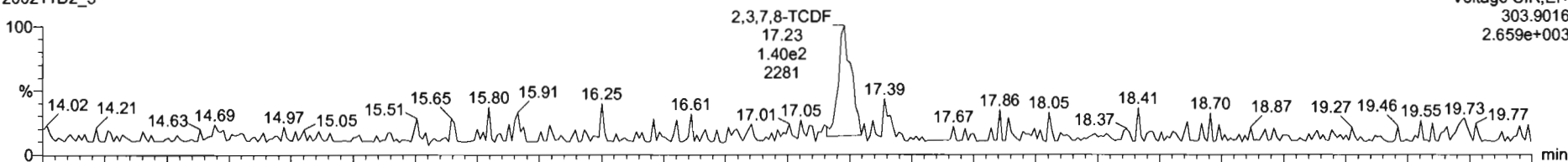
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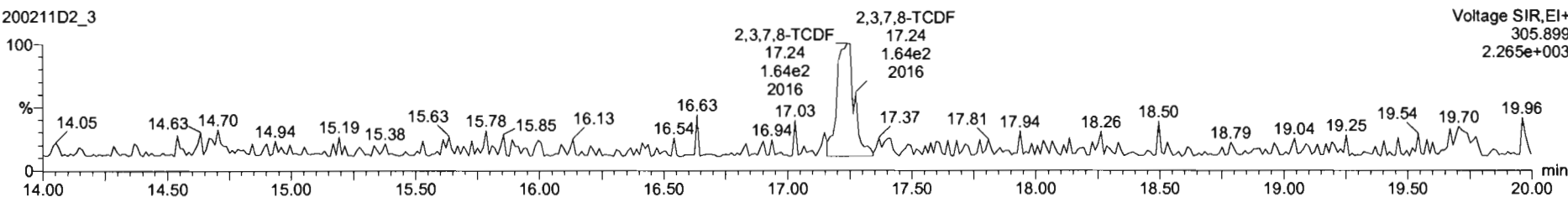
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2,3,7,8-TCDF

200211D2_3

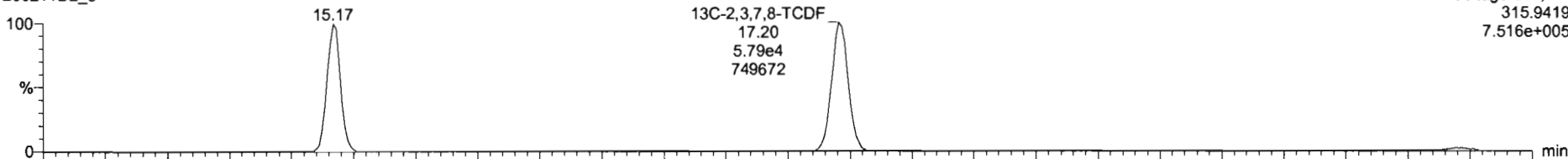


200211D2_3

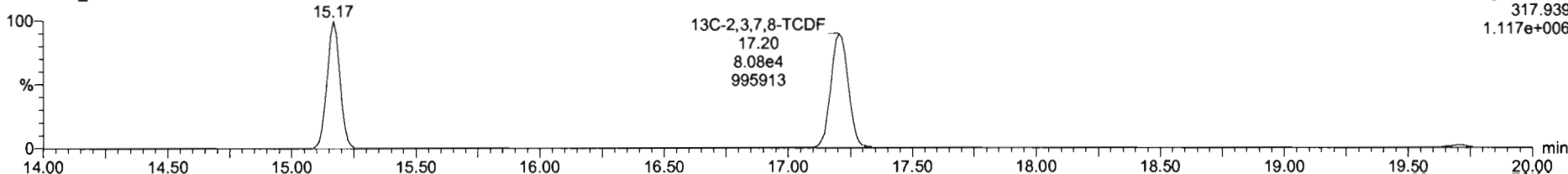


13C-2,3,7,8-TCDF

200211D2_3



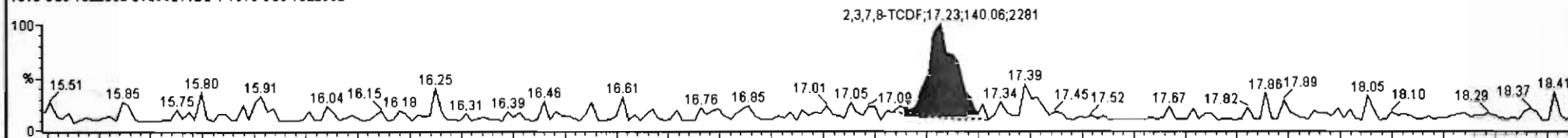
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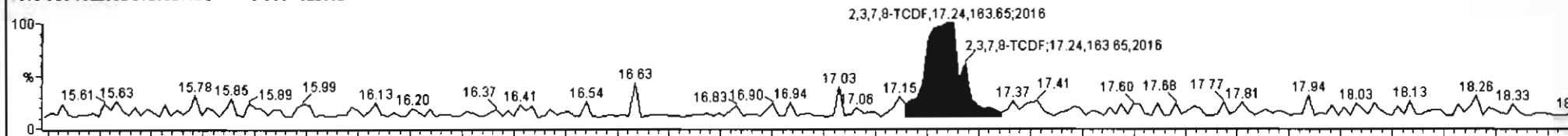
Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDF	3.04e2	0.86	NO	0.98	1.000	17.23	1.001	0.223	89.2	0.0831	0.223
2 13C-2,3,7,8-TCDF	1.39e5	0.72	NO	1.08	1.000	17.20	1.134	113	113	0.342	
3 13C-1,2,3,4-TCDF	1.13e5	0.70	NO	1.00	1.000	15.17	1.000	100	100	0.371	
4 13C-1,2,3,4-TCDF	1.04e5	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							

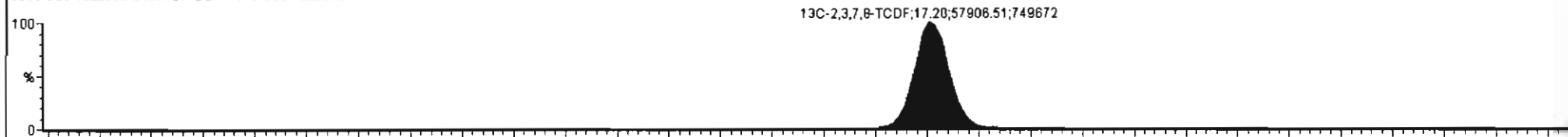
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1613 C80 19L2302 ST200211D2-1 1613 C80 19L2302



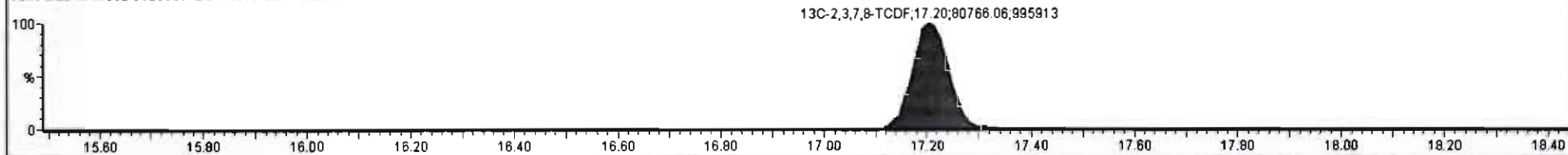
200211D2_3
1613 C80 19L2302 ST200211D2-1 1613 C80 19L2302



200211D2_3
1613 C80 19L2302 ST200211D2-1 1613 C80 19L2302



200211D2_3
1613 C80 19L2302 ST200211D2-1 1613 C80 19L2302



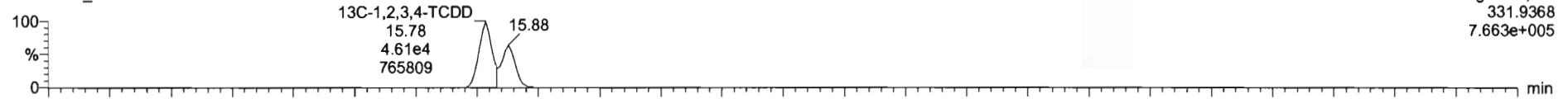
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Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

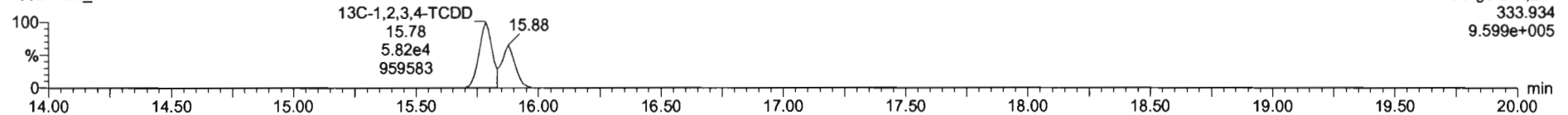
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13C-1,2,3,4-TCDD

200211D2_3

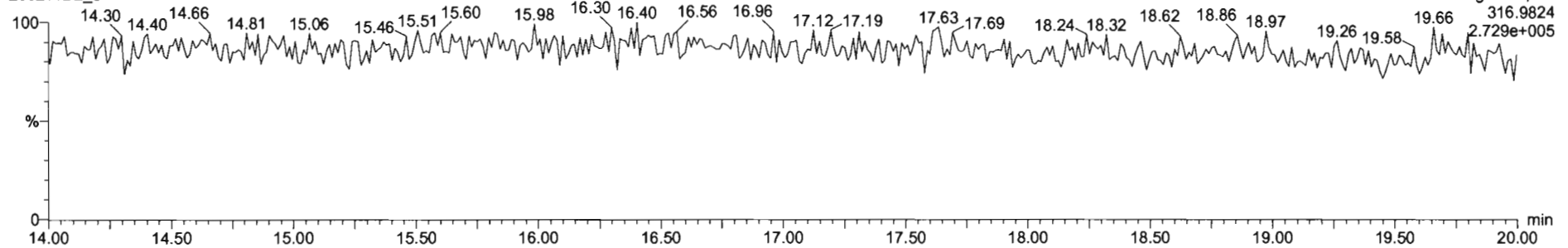


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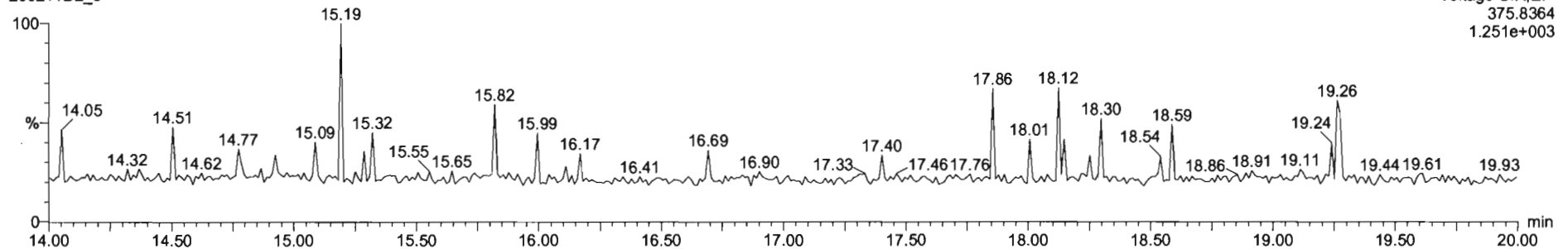
PFK1

200211D2_3



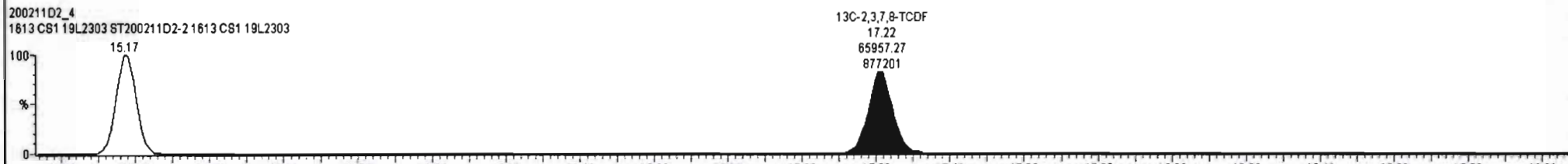
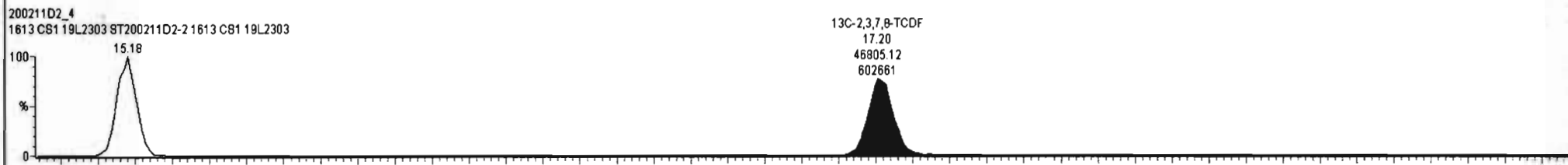
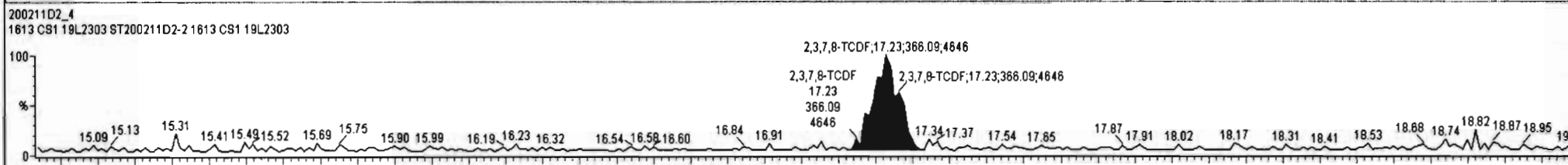
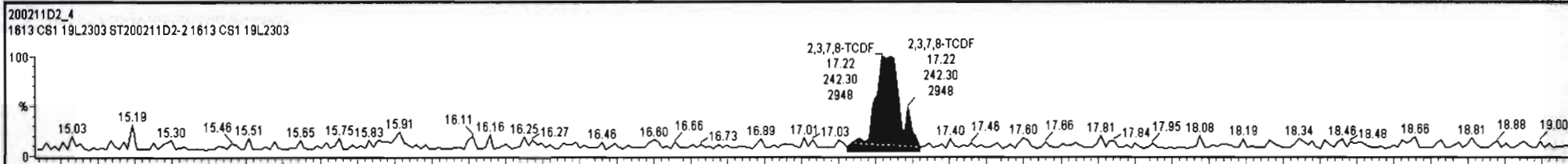
DPE1

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								



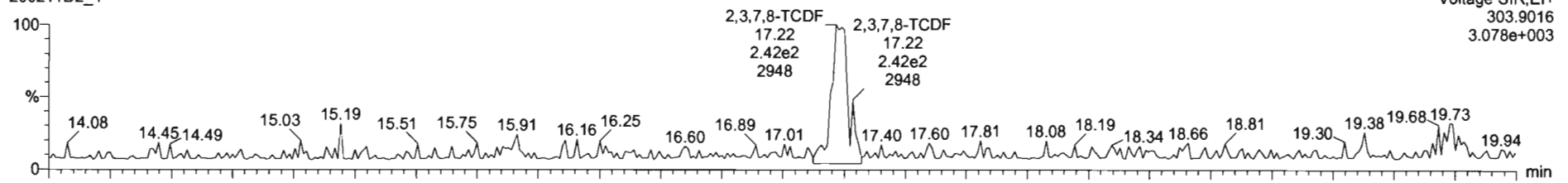
Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

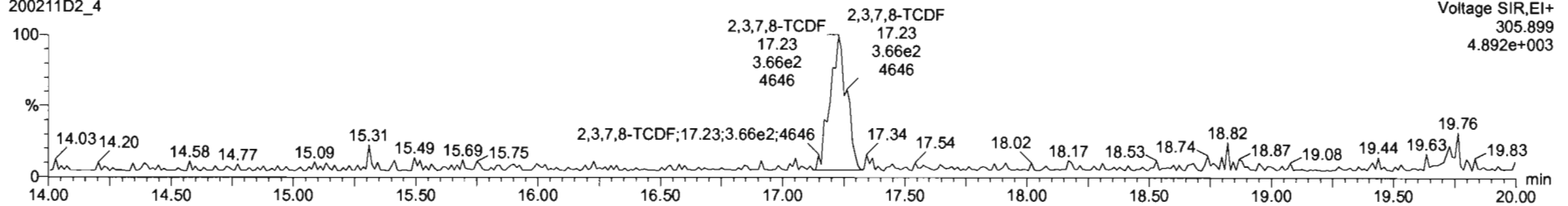
Name: 200211D2_4, Date: 11-Feb-2020, Time: 21:32:19, ID: ST200211D2-2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

2,3,7,8-TCDF

200211D2_4

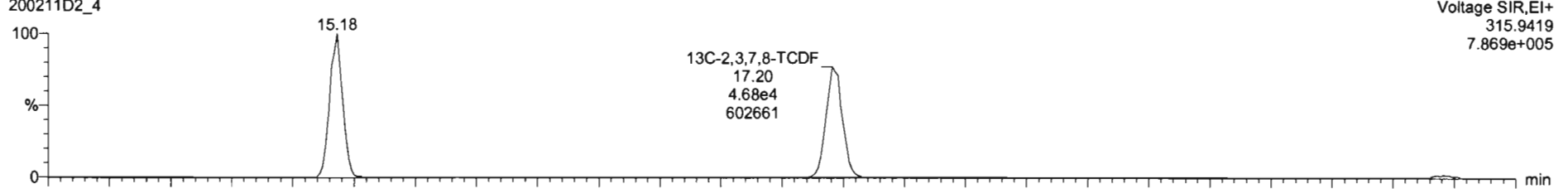


200211D2_4

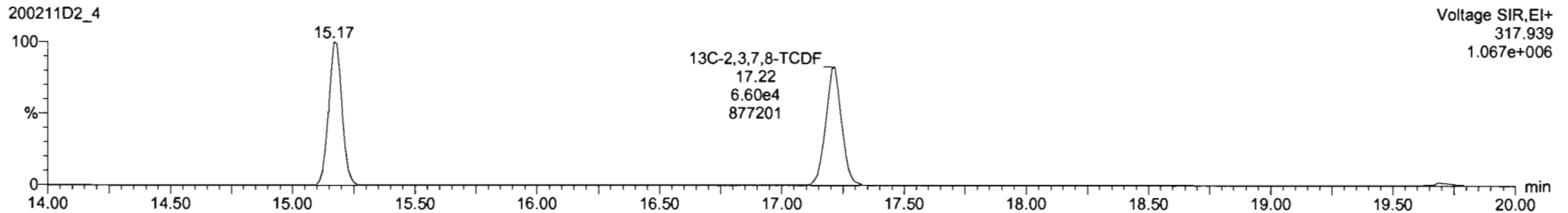


13C-2,3,7,8-TCDF

200211D2_4



200211D2_4



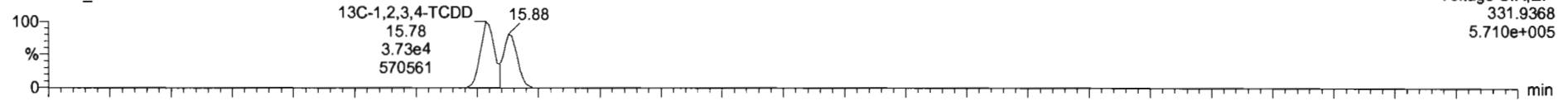
Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

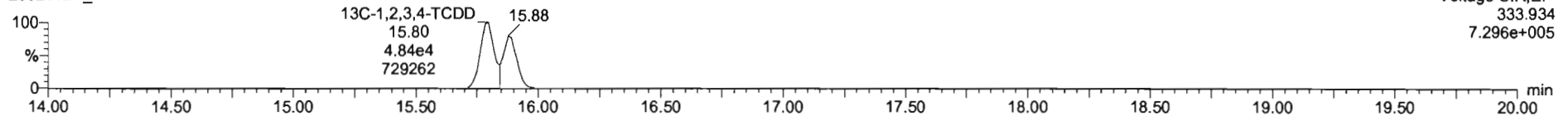
Name: 200211D2_4, Date: 11-Feb-2020, Time: 21:32:19, ID: ST200211D2-2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

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

200211D2_4

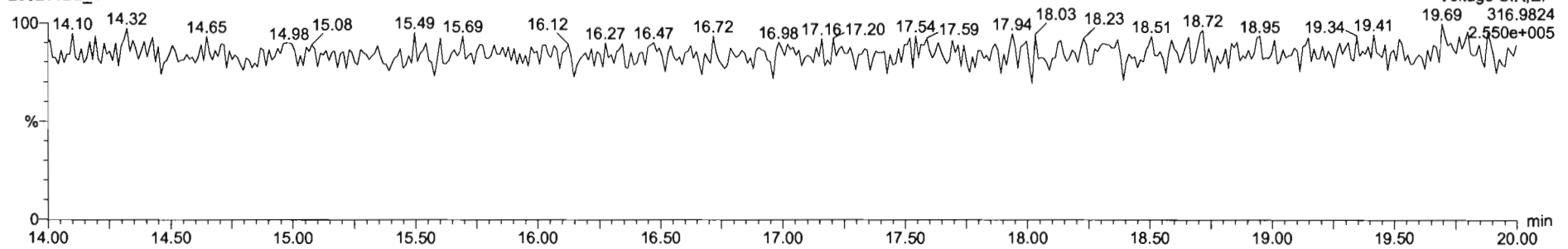


200211D2_4



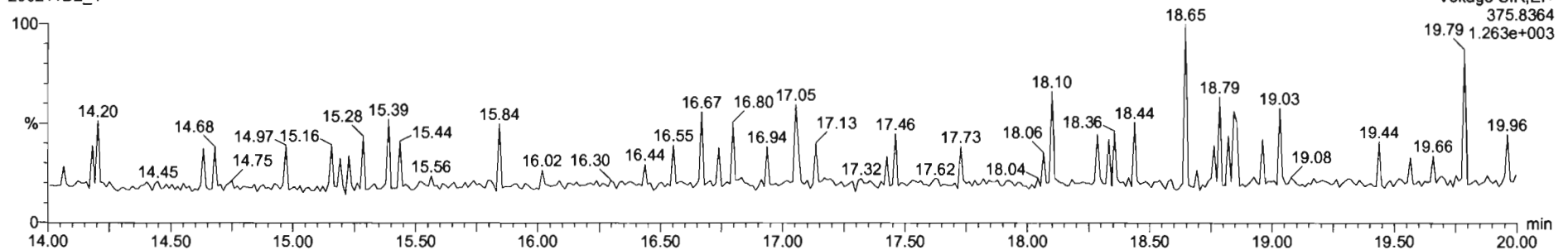
PFK1

200211D2_4



DPE1

200211D2_4



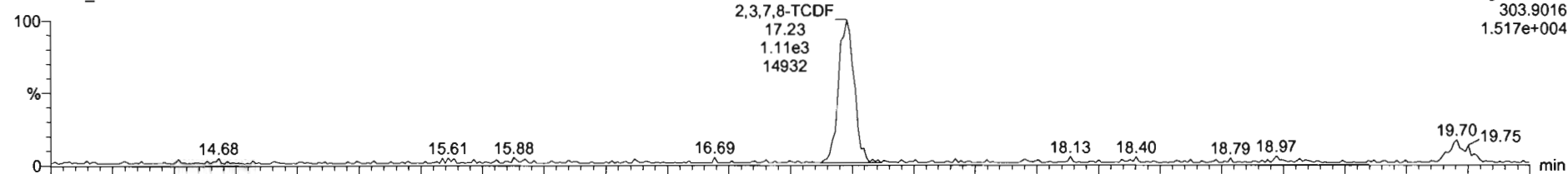
Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

Name: 200211D2_5, Date: 11-Feb-2020, Time: 22:04:03, ID: ST200211D2-3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

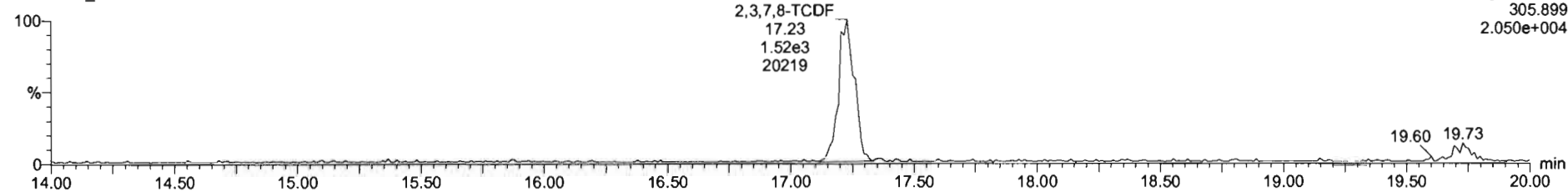
2,3,7,8-TCDF

200211D2_5



Voltage SIR,EI+
303.9016
1.517e+004

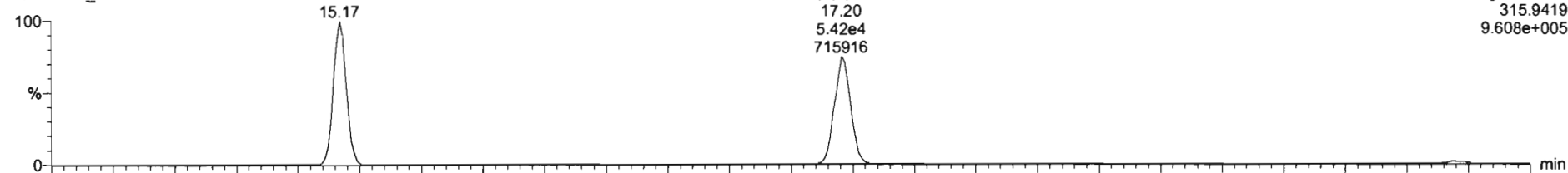
200211D2_5



Voltage SIR,EI+
305.899
2.050e+004

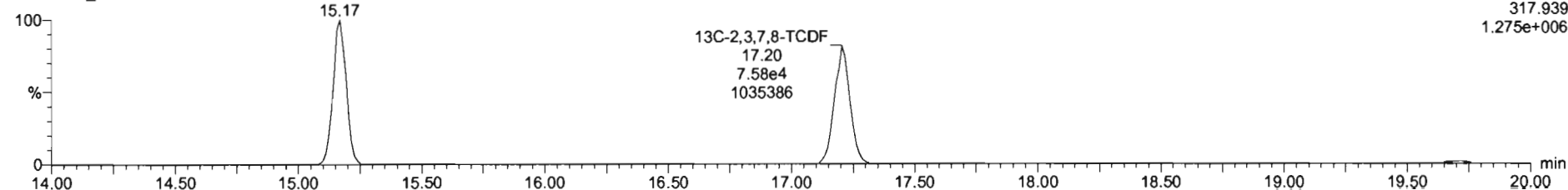
13C-2,3,7,8-TCDF

200211D2_5



Voltage SIR,EI+
315.9419
9.608e+005

200211D2_5



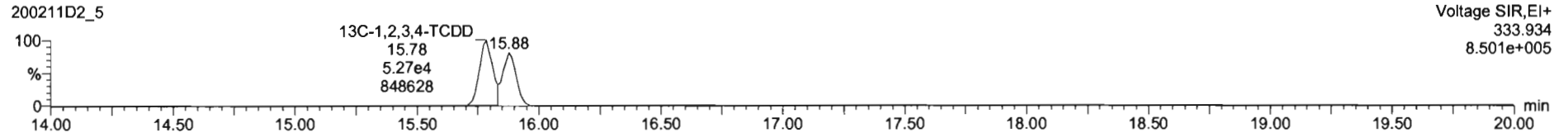
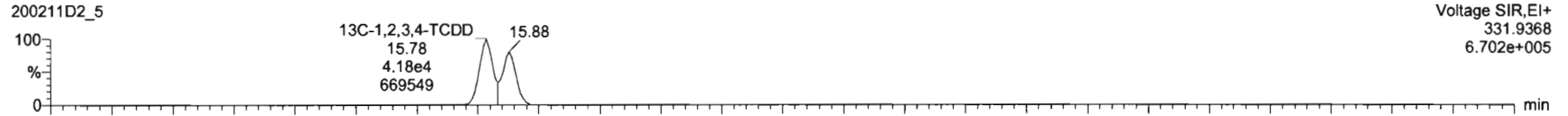
Voltage SIR,EI+
317.939
1.275e+006

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

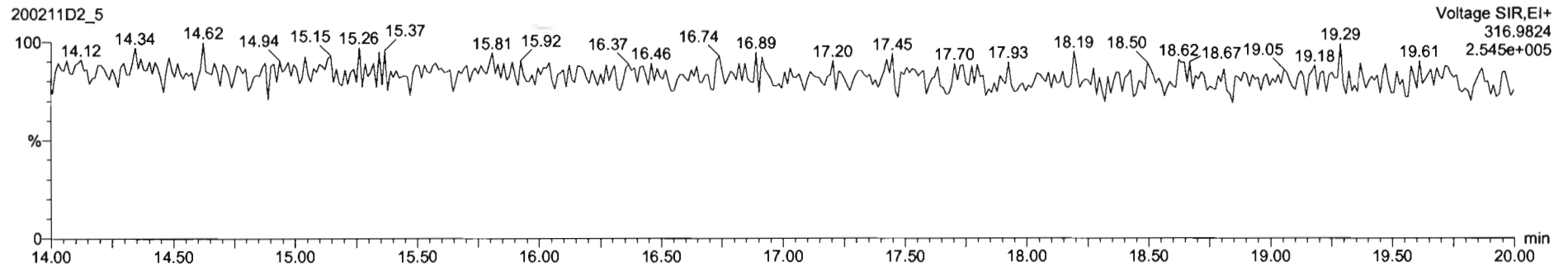
Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

Name: 200211D2_5, Date: 11-Feb-2020, Time: 22:04:03, ID: ST200211D2-3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

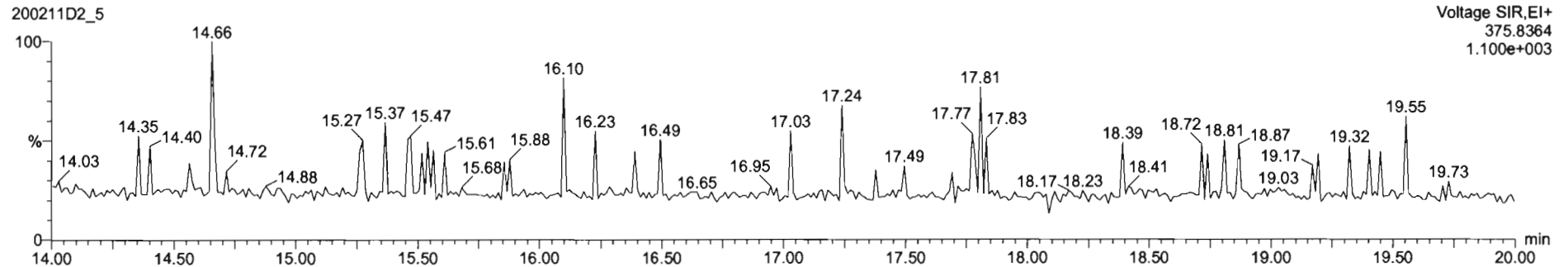
13C-1,2,3,4-TCDD



PFK1



DPE1



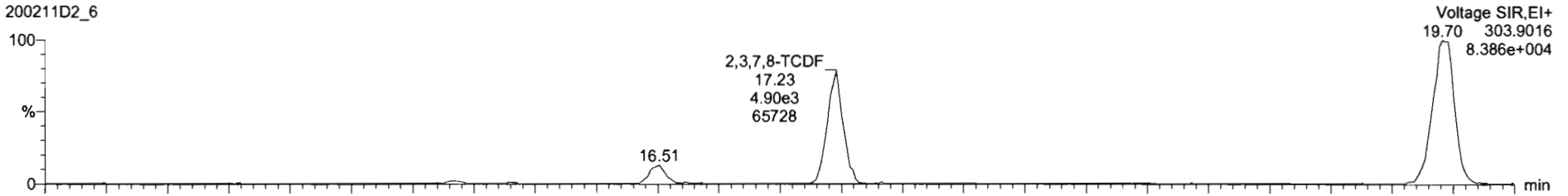
Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

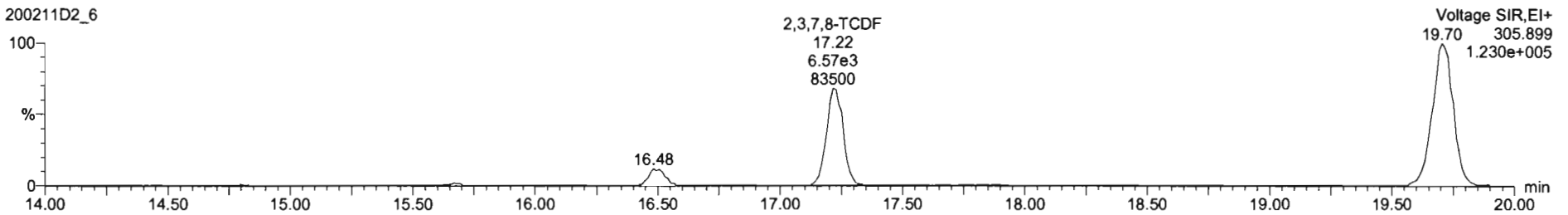
Name: 200211D2_6, Date: 11-Feb-2020, Time: 22:35:45, ID: ST200211D2-4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDF

200211D2_6

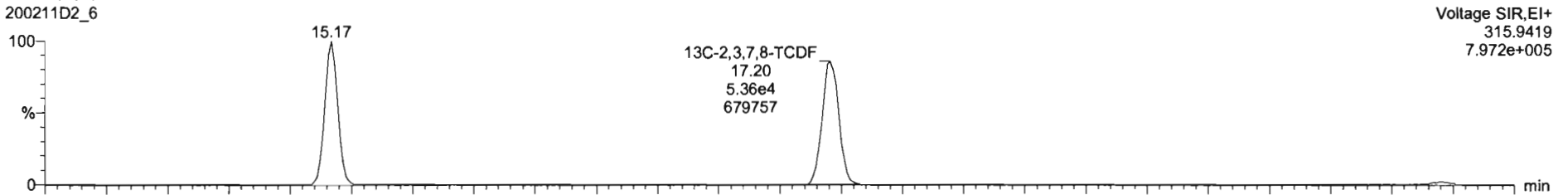


200211D2_6

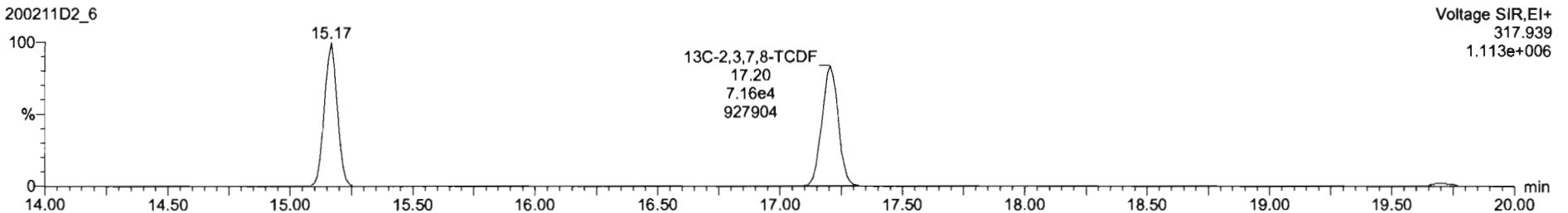


13C-2,3,7,8-TCDF

200211D2_6



200211D2_6



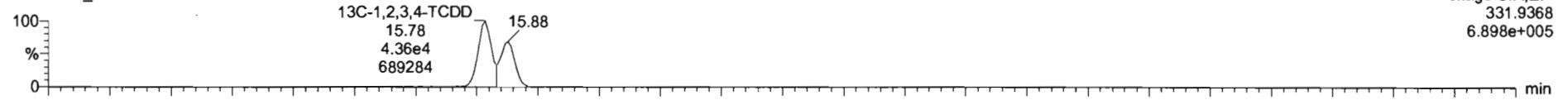
Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

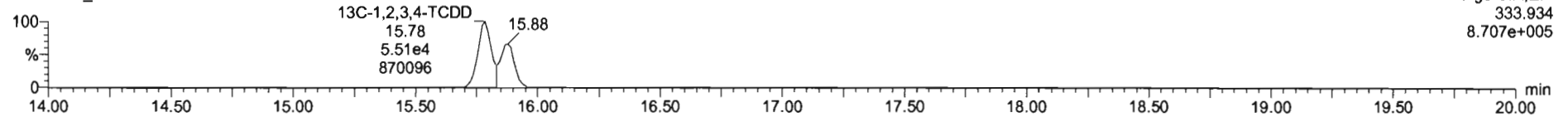
Name: 200211D2_6, Date: 11-Feb-2020, Time: 22:35:45, ID: ST200211D2-4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200211D2_6

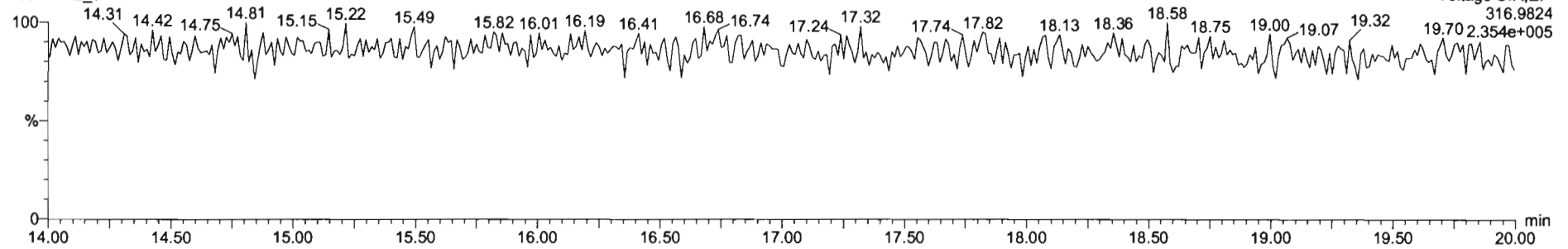


200211D2_6



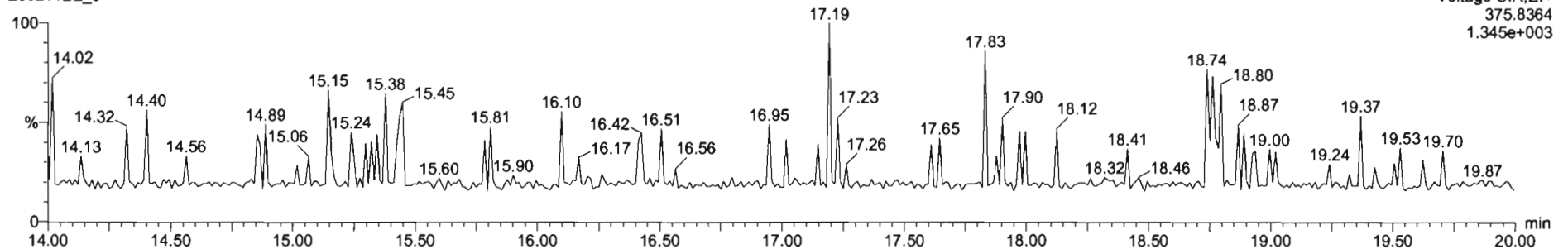
PFK1

200211D2_6



DPE1

200211D2_6



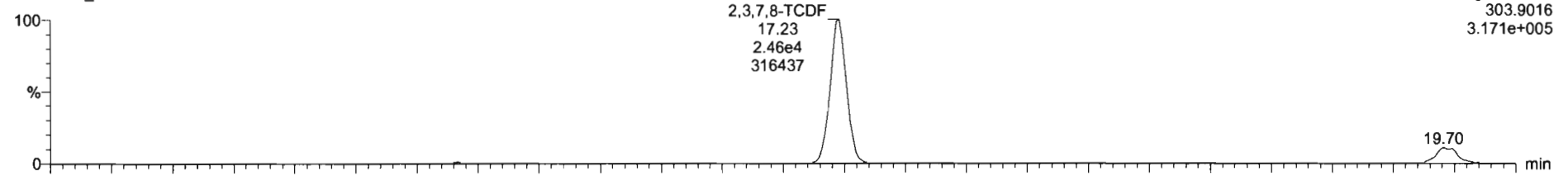
Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

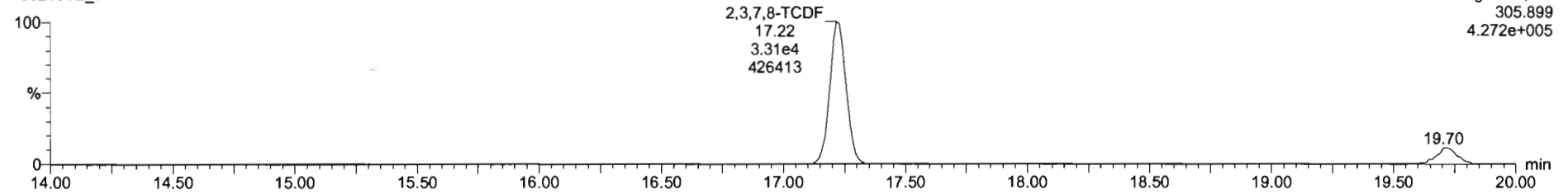
Name: 200211D2_7, Date: 11-Feb-2020, Time: 23:07:28, ID: ST200211D2-5 1613 CS4 19L2306, Description: 1613 CS4 19L2306

2,3,7,8-TCDF

200211D2_7

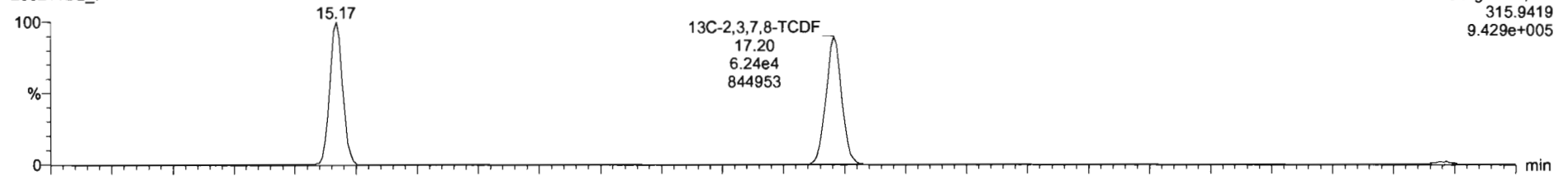


200211D2_7

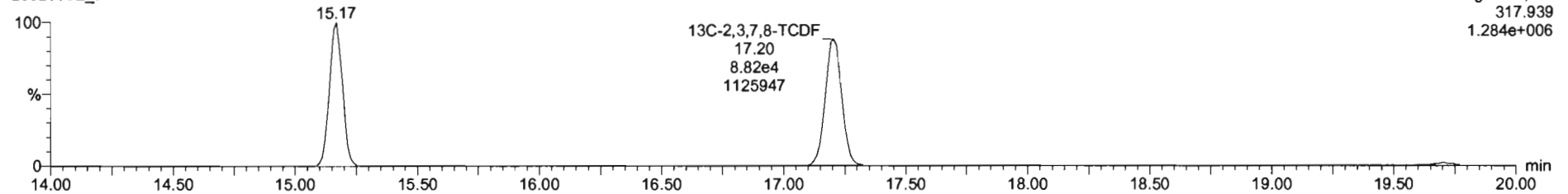


13C-2,3,7,8-TCDF

200211D2_7



200211D2_7



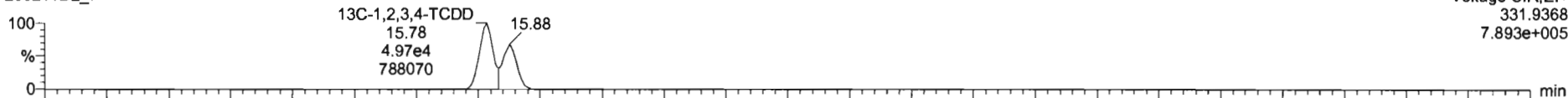
Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

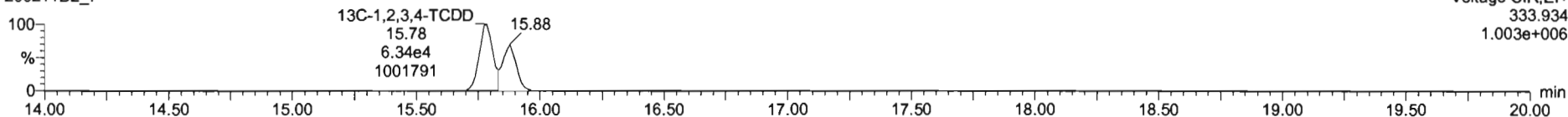
Name: 200211D2_7, Date: 11-Feb-2020, Time: 23:07:28, ID: ST200211D2-5 1613 CS4 19L2306, Description: 1613 CS4 19L2306

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

200211D2_7

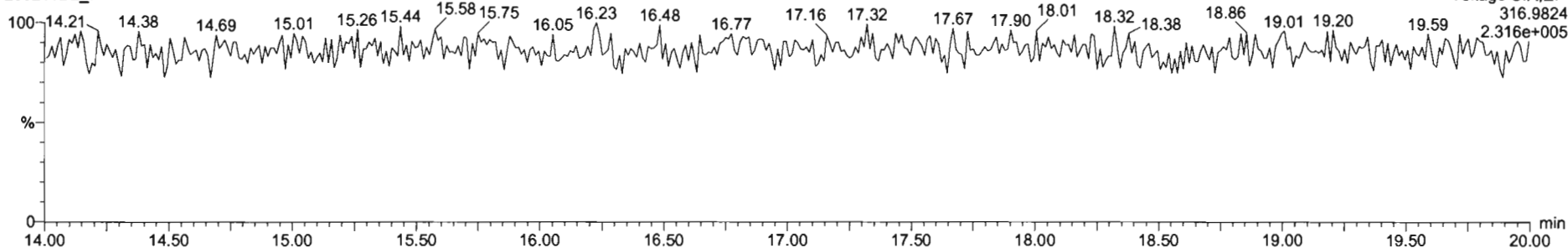


200211D2_7



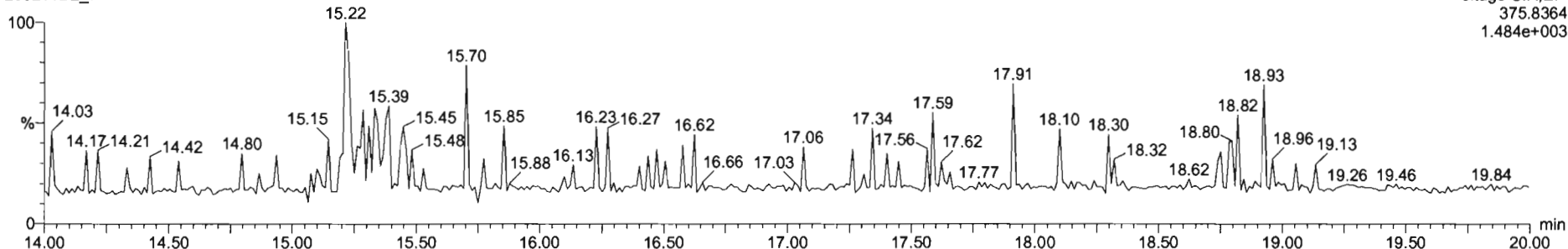
PFK1

200211D2_7



DPE1

200211D2_7



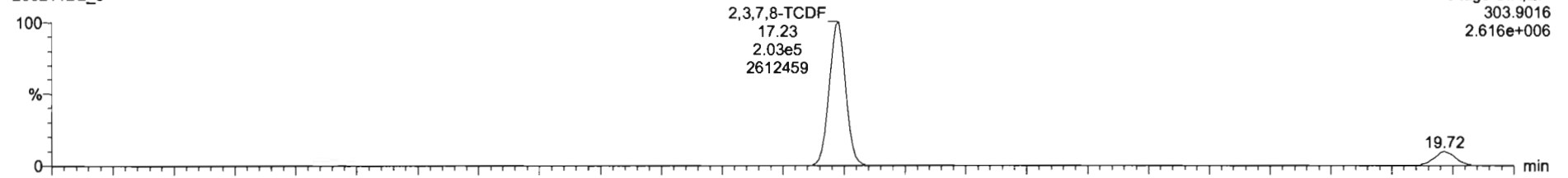
Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

Name: 200211D2_8, Date: 11-Feb-2020, Time: 23:39:11, ID: ST200211D2-6 1613 CS5 19L2307, Description: 1613 CS5 19L2307

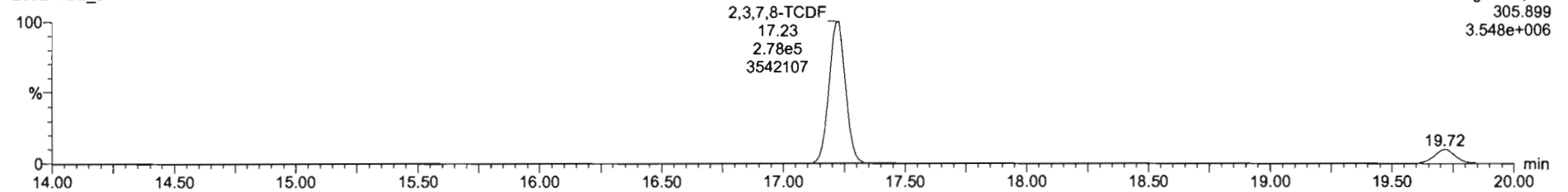
2,3,7,8-TCDF

200211D2_8



Voltage SIR,EI+
303.9016
2.616e+006

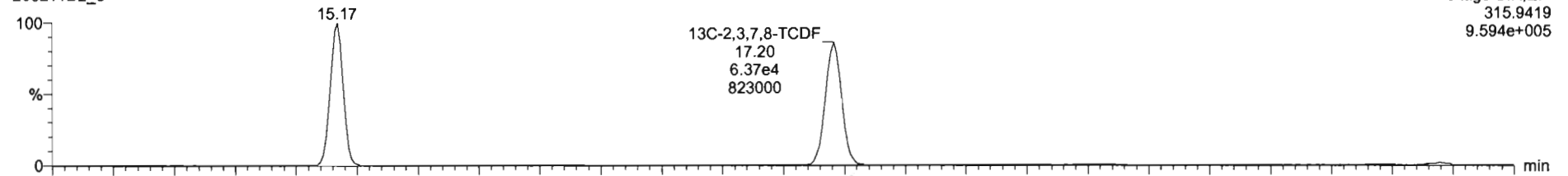
200211D2_8



Voltage SIR,EI+
305.899
3.548e+006

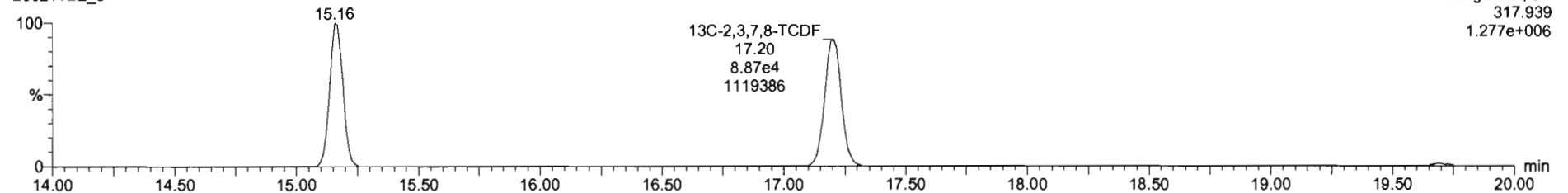
13C-2,3,7,8-TCDF

200211D2_8



Voltage SIR,EI+
315.9419
9.594e+005

200211D2_8



Voltage SIR,EI+
317.939
1.277e+006

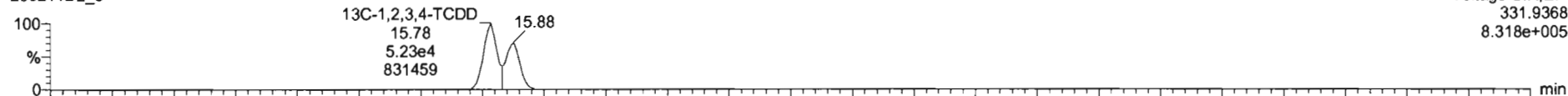
Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

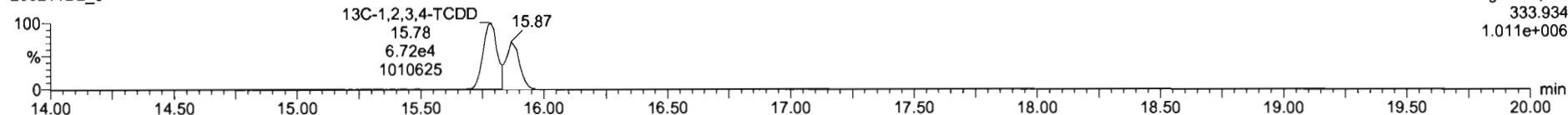
Name: 200211D2_8, Date: 11-Feb-2020, Time: 23:39:11, ID: ST200211D2-6 1613 CS5 19L2307, Description: 1613 CS5 19L2307

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

200211D2_8

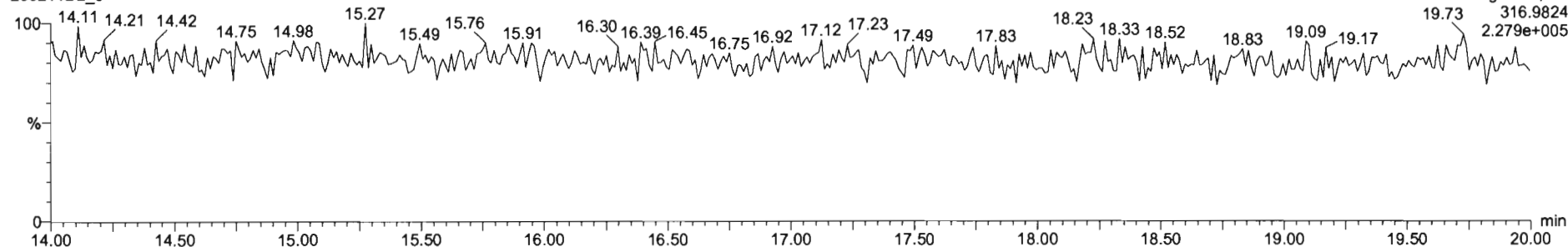


200211D2_8



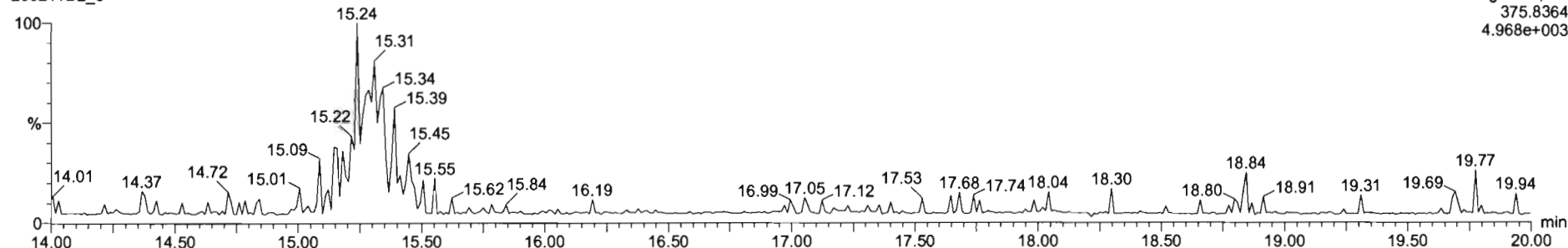
PFK1

200211D2_8

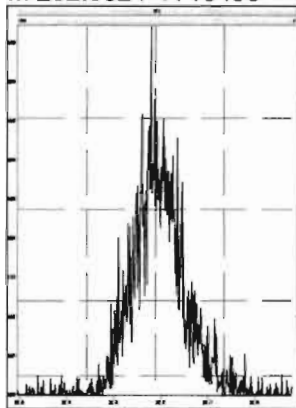


DPE1

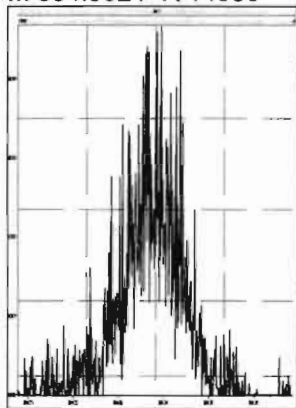
200211D2_8



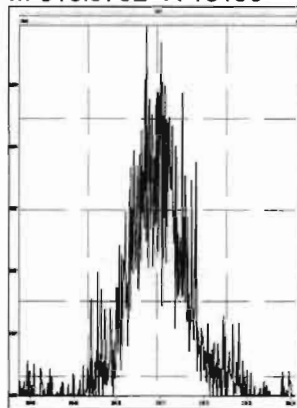
M 292.9824 R 13493



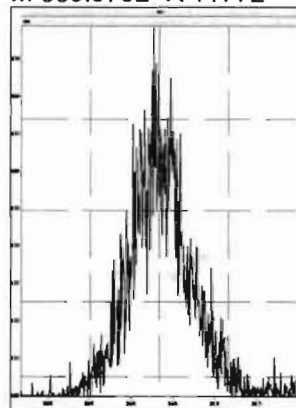
M 304.9824 R 14983



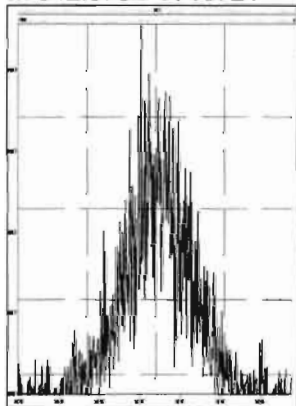
M 318.9792 R 15196



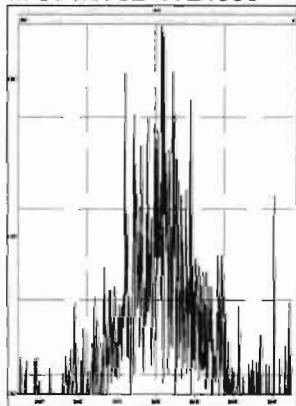
M 330.9792 R 11772



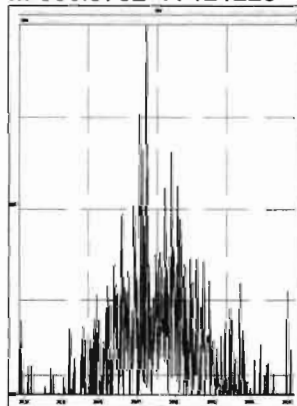
M 342.9792 R 13721



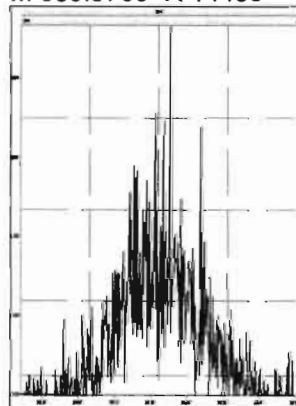
M 354.9792 R 24553



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

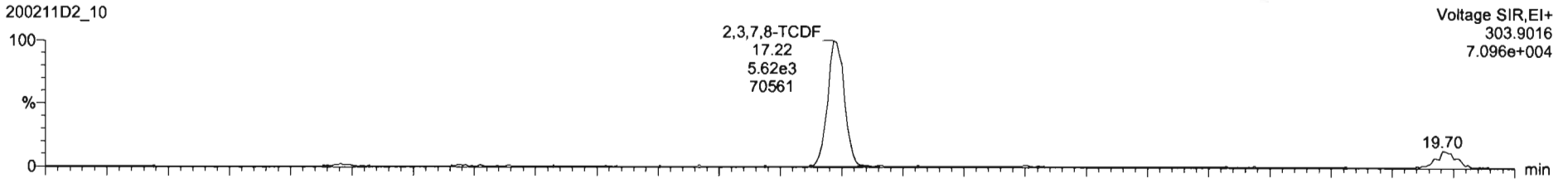
Last Altered: Wednesday, February 12, 2020 10:51:20 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:53:15 Pacific Standard Time

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

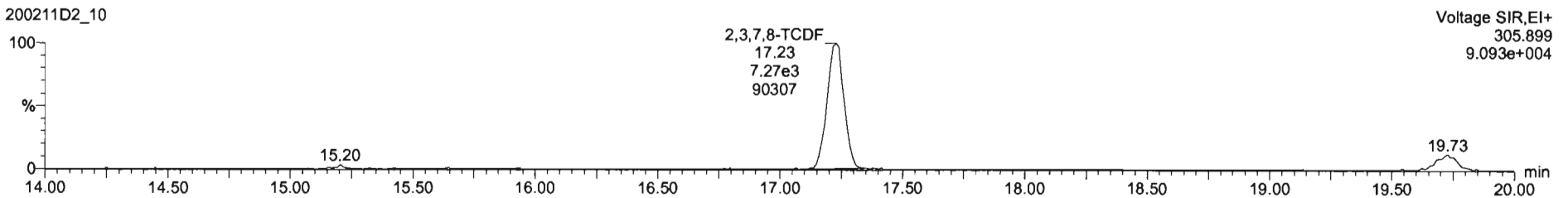
Name: 200211D2_10, Date: 12-Feb-2020, Time: 00:42:33, ID: SS200211D2-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

2,3,7,8-TCDF

200211D2_10

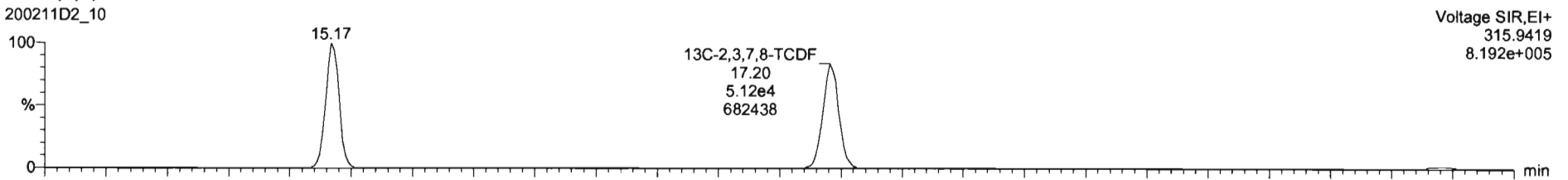


200211D2_10

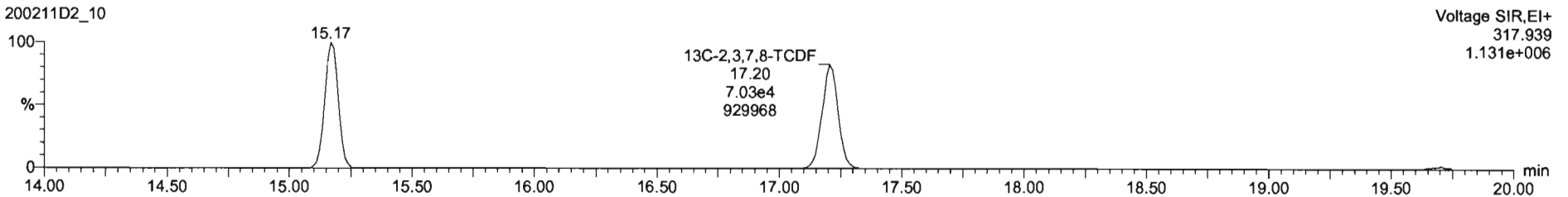


13C-2,3,7,8-TCDF

200211D2_10



200211D2_10



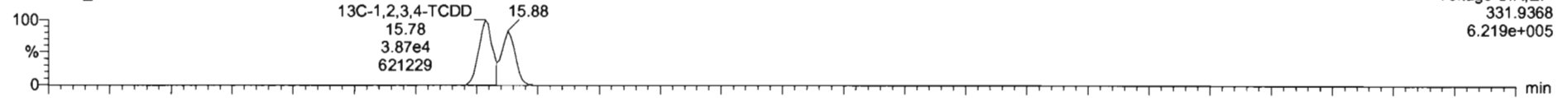
Dataset: U:\VG7.PRO\Results\200211D2\200211D2_10.qld

Last Altered: Wednesday, February 12, 2020 10:51:20 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:53:15 Pacific Standard Time

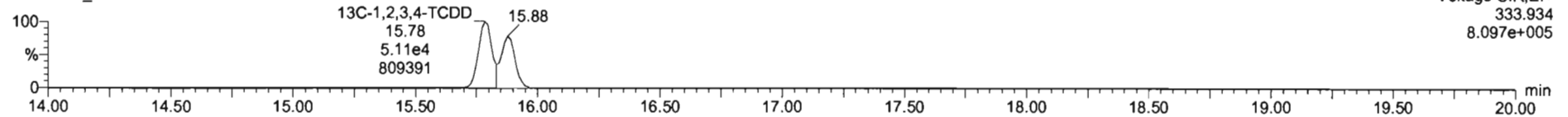
Name: 200211D2_10, Date: 12-Feb-2020, Time: 00:42:33, ID: SS200211D2-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

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

200211D2_10

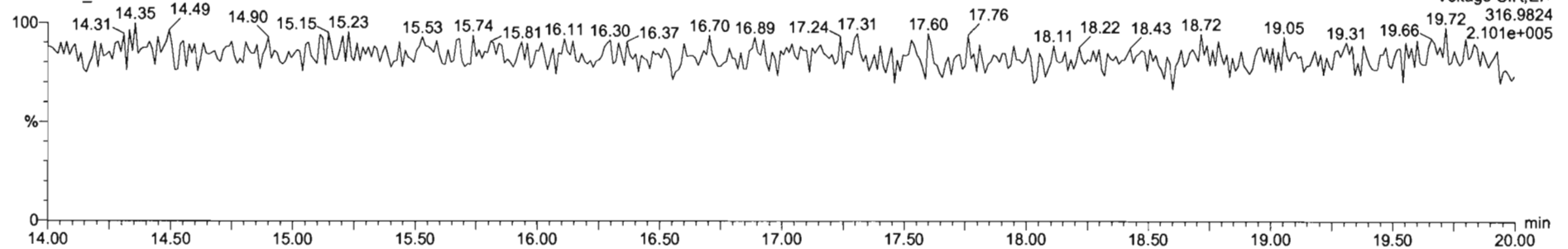


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PFK1

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DPE1

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