

February 13, 2020

Vista Work Order No. 1903650

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 October 15, 2019 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. 1903650

Case Narrative

Sample Condition on Receipt:

Thirteen 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

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

Quality Control

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

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

A Duplicate was performed on sample "PDI-088SC-B-02-04-191011". The RPDs were out of the acceptance criteria for 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,4,6,7,8-HpCDD, OCDD, 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF and 1,2,3,4,7,8,9-HpCDF .

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

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1903650-01	PDI-066SC-B-00-02-191011	11-Oct-19 08:40	15-Oct-19 08:51	Amber Glass, 120 mL
1903650-02	PDI-066SC-B-02-04-191011	11-Oct-19 08:40	15-Oct-19 08:51	Amber Glass, 120 mL
1903650-03	PDI-066SC-B-04-06-191011	11-Oct-19 08:40	15-Oct-19 08:51	Amber Glass, 120 mL
1903650-04	PDI-066SC-B-06-08-191011	11-Oct-19 08:40	15-Oct-19 08:51	Amber Glass, 120 mL
1903650-05	PDI-088SC-B-00-02-191011	11-Oct-19 16:08	15-Oct-19 08:51	Amber Glass, 120 mL
1903650-06	PDI-088SC-B-02-04-191011	Dup11-Oct-19 16:08	15-Oct-19 08:51	Amber Glass, 120 mL
1903650-07	PDI-088SC-B-04-06-191011	11-Oct-19 16:08	15-Oct-19 08:51	Amber Glass, 120 mL
1903650-08	PDI-088SC-B-06-08-191011	11-Oct-19 16:08	15-Oct-19 08:51	Amber Glass, 120 mL
1903650-09	PDI-1088SC-B-04-06-191011	11-Oct-19 00:00	15-Oct-19 08:51	Amber Glass, 120 mL
1903650-10	PDI-092SC-B-00-02-191011	11-Oct-19 12:40	15-Oct-19 08:51	Amber Glass, 120 mL
1903650-11	PDI-092SC-B-02-04-191011	11-Oct-19 12:40	15-Oct-19 08:51	Amber Glass, 120 mL
1903650-12	PDI-092SC-B-04-06-191011	11-Oct-19 12:40	15-Oct-19 08:51	Amber Glass, 120 mL
1903650-13	PDI-092SC-B-06-08-191011	11-Oct-19 12:40	15-Oct-19 08:51	Amber Glass, 120 mL

ANALYTICAL RESULTS

Sample ID: Method Blank					EPA Method 1613B				
Matrix: Solid Sample Size: 10.0 g		QC Batch: B0A0018 Date Extracted: 06-Jan-2020 6:10		Lab Sample: B0A0018-BLK1 Date Analyzed: 29-Jan-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	0.271			IS 13C-2,3,7,8-TCDD	66.8	25 - 164		
1,2,3,7,8-PeCDD	ND	0.223			13C-1,2,3,7,8-PeCDD	63.1	25 - 181		
1,2,3,4,7,8-HxCDD	ND	0.207			13C-1,2,3,4,7,8-HxCDD	59.3	32 - 141		
1,2,3,6,7,8-HxCDD	ND	0.203			13C-1,2,3,6,7,8-HxCDD	60.2	28 - 130		
1,2,3,7,8,9-HxCDD	ND	0.239			13C-1,2,3,7,8,9-HxCDD	62.9	32 - 141		
1,2,3,4,6,7,8-HpCDD	ND	0.369			13C-1,2,3,4,6,7,8-HpCDD	65.3	23 - 140		
OCDD	ND	0.556			13C-OCDD	68.7	17 - 157		
2,3,7,8-TCDF	ND	0.142			13C-2,3,7,8-TCDF	62.8	24 - 169		
1,2,3,7,8-PeCDF	ND	0.116			13C-1,2,3,7,8-PeCDF	59.3	24 - 185		
2,3,4,7,8-PeCDF	ND	0.114			13C-2,3,4,7,8-PeCDF	60.4	21 - 178		
1,2,3,4,7,8-HxCDF	ND	0.133			13C-1,2,3,4,7,8-HxCDF	62.9	26 - 152		
1,2,3,6,7,8-HxCDF	ND	0.123			13C-1,2,3,6,7,8-HxCDF	62.5	26 - 123		
2,3,4,6,7,8-HxCDF	ND	0.136			13C-2,3,4,6,7,8-HxCDF	61.8	28 - 136		
1,2,3,7,8,9-HxCDF	ND	0.208			13C-1,2,3,7,8,9-HxCDF	60.9	29 - 147		
1,2,3,4,6,7,8-HpCDF	ND	0.147			13C-1,2,3,4,6,7,8-HpCDF	63.3	28 - 143		
1,2,3,4,7,8,9-HpCDF	ND	0.193			13C-1,2,3,4,7,8,9-HpCDF	59.3	26 - 138		
OCDF	ND	0.370			13C-OCDF	66.3	17 - 157		
					CRS 37Cl-2,3,7,8-TCDD	74.5	35 - 197		
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)				
					TEQMinWHO2005Dioxin		0.00		
TOTALS									
Total TCDD	ND	0.271							
Total PeCDD	ND	0.223							
Total HxCDD	ND	0.239							
Total HpCDD	ND	0.369							
Total TCDF	ND	0.142							
Total PeCDF	ND	0.116							
Total HxCDF	ND	0.208							
Total HpCDF	ND	0.193							

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: B0A0018	Lab Sample: B0A0018-BS1					
Sample Size: 10.0 g	Date Extracted: 06-Jan-2020 6:10	Date Analyzed: 29-Jan-20 16:01	Column: ZB-5MS				
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	18.2	20.0	91.0	67 - 158	IS 13C-2,3,7,8-TCDD	73.4	20 - 175
1,2,3,7,8-PeCDD	94.6	100	94.6	70 - 142	13C-1,2,3,7,8-PeCDD	70.8	21 - 227
1,2,3,4,7,8-HxCDD	98.8	100	98.8	70 - 164	13C-1,2,3,4,7,8-HxCDD	66.0	21 - 193
1,2,3,6,7,8-HxCDD	97.5	100	97.5	76 - 134	13C-1,2,3,6,7,8-HxCDD	63.1	25 - 163
1,2,3,7,8,9-HxCDD	97.3	100	97.3	64 - 162	13C-1,2,3,7,8,9-HxCDD	66.3	21 - 193
1,2,3,4,6,7,8-HpCDD	92.1	100	92.1	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	74.6	26 - 166
OCDD	189	200	94.6	78 - 144	13C-OCDD	78.4	13 - 199
2,3,7,8-TCDF	18.8	20.0	93.8	75 - 158	13C-2,3,7,8-TCDF	72.5	22 - 152
1,2,3,7,8-PeCDF	97.0	100	97.0	80 - 134	13C-1,2,3,7,8-PeCDF	77.3	21 - 192
2,3,4,7,8-PeCDF	96.3	100	96.3	68 - 160	13C-2,3,4,7,8-PeCDF	71.6	13 - 328
1,2,3,4,7,8-HxCDF	96.2	100	96.2	72 - 134	13C-1,2,3,4,7,8-HxCDF	73.6	19 - 202
1,2,3,6,7,8-HxCDF	97.7	100	97.7	84 - 130	13C-1,2,3,6,7,8-HxCDF	68.3	21 - 159
2,3,4,6,7,8-HxCDF	93.2	100	93.2	70 - 156	13C-2,3,4,6,7,8-HxCDF	72.4	22 - 176
1,2,3,7,8,9-HxCDF	90.1	100	90.1	78 - 130	13C-1,2,3,7,8,9-HxCDF	68.5	17 - 205
1,2,3,4,6,7,8-HpCDF	94.0	100	94.0	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	69.1	21 - 158
1,2,3,4,7,8,9-HpCDF	91.7	100	91.7	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	72.2	20 - 186
OCDF	184	200	92.2	63 - 170	13C-OCDF	80.6	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	73.1	31 - 191

LCL-UCL - Lower control limit - upper control limit

Sample ID: PDI-066SC-B-00-02-191011 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903650-01 Date Received: 15-Oct-2019 8:51
Project: Gasco PDI	Sample Size: 20.0 g	QC Batch: B0A0018 Date Extracted: 06-Jan-2020 6:10
Date Collected: 11-Oct-2019 8:40	% Solids: 50.0	Date Analyzed : 29-Jan-20 19:14 Column: ZB-5MS 31-Jan-20 06:11 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	1.33				IS 13C-2,3,7,8-TCDD	48.3	25 - 164	
1,2,3,7,8-PeCDD	2.69				13C-1,2,3,7,8-PeCDD	42.0	25 - 181	
1,2,3,4,7,8-HxCDD	7.63				13C-1,2,3,4,7,8-HxCDD	32.0	32 - 141	
1,2,3,6,7,8-HxCDD	59.2				13C-1,2,3,6,7,8-HxCDD	37.0	28 - 130	
1,2,3,7,8,9-HxCDD	23.3				13C-1,2,3,7,8,9-HxCDD	32.9	32 - 141	
1,2,3,4,6,7,8-HpCDD	5410			D	13C-1,2,3,4,6,7,8-HpCDD	36.4	23 - 140	
OCDD	48900			D	13C-OCDD	29.6	17 - 157	D
2,3,7,8-TCDF	175			D	13C-2,3,7,8-TCDF	41.7	24 - 169	
1,2,3,7,8-PeCDF	249				13C-1,2,3,7,8-PeCDF	47.8	24 - 185	
2,3,4,7,8-PeCDF	169				13C-2,3,4,7,8-PeCDF	40.1	21 - 178	
1,2,3,4,7,8-HxCDF	386				13C-1,2,3,4,7,8-HxCDF	36.8	26 - 152	
1,2,3,6,7,8-HxCDF	120				13C-1,2,3,6,7,8-HxCDF	37.6	26 - 123	
2,3,4,6,7,8-HxCDF	30.0				13C-2,3,4,6,7,8-HxCDF	30.5	28 - 136	
1,2,3,7,8,9-HxCDF	ND		1.12		13C-1,2,3,7,8,9-HxCDF	31.6	29 - 147	
1,2,3,4,6,7,8-HpCDF	334				13C-1,2,3,4,6,7,8-HpCDF	31.5	28 - 143	
1,2,3,4,7,8,9-HpCDF	77.9				13C-1,2,3,4,7,8,9-HpCDF	27.7	26 - 138	
OCDF	1700				13C-OCDF	42.0	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	46.0	35 - 197	

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

TEQMinWHO2005Dioxin 216

TOTALS			
Total TCDD	44.3		49.6
Total PeCDD	65.5		70.0
Total HxCDD	1110		
Total HpCDD	14300		
Total TCDF	587		607
Total PeCDF	824		
Total HxCDF	865		872
Total HpCDF	1750		

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-066SC-B-02-04-191011 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903650-02 Date Received: 15-Oct-2019 8:51
Project: Gasco PDI	Sample Size: 18.6 g	QC Batch: B0A0018 Date Extracted: 06-Jan-2020 6:10
Date Collected: 11-Oct-2019 8:40	% Solids: 53.9	Date Analyzed : 29-Jan-20 20:02 Column: ZB-5MS 31-Jan-20 05:38 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	1.84				IS 13C-2,3,7,8-TCDD	47.4	25 - 164	
1,2,3,7,8-PeCDD	3.45				13C-1,2,3,7,8-PeCDD	49.5	25 - 181	
1,2,3,4,7,8-HxCDD	9.38				13C-1,2,3,4,7,8-HxCDD	43.4	32 - 141	
1,2,3,6,7,8-HxCDD	83.3				13C-1,2,3,6,7,8-HxCDD	41.2	28 - 130	
1,2,3,7,8,9-HxCDD	28.8				13C-1,2,3,7,8,9-HxCDD	38.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	7880			D	13C-1,2,3,4,6,7,8-HpCDD	42.6	23 - 140	
OCDD	53000			D	13C-OCDD	31.6	17 - 157	D
2,3,7,8-TCDF	64.3			D	13C-2,3,7,8-TCDF	42.6	24 - 169	
1,2,3,7,8-PeCDF	94.4				13C-1,2,3,7,8-PeCDF	57.2	24 - 185	
2,3,4,7,8-PeCDF	64.5				13C-2,3,4,7,8-PeCDF	49.0	21 - 178	
1,2,3,4,7,8-HxCDF	131				13C-1,2,3,4,7,8-HxCDF	42.2	26 - 152	
1,2,3,6,7,8-HxCDF	37.3				13C-1,2,3,6,7,8-HxCDF	38.9	26 - 123	
2,3,4,6,7,8-HxCDF	12.8				13C-2,3,4,6,7,8-HxCDF	40.5	28 - 136	
1,2,3,7,8,9-HxCDF	8.70				13C-1,2,3,7,8,9-HxCDF	38.4	29 - 147	
1,2,3,4,6,7,8-HpCDF	271				13C-1,2,3,4,6,7,8-HpCDF	36.5	28 - 143	
1,2,3,4,7,8,9-HpCDF	36.1				13C-1,2,3,4,7,8,9-HpCDF	35.7	26 - 138	
OCDF	1590				13C-OCDF	44.7	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	44.5	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
TEQMinWHO2005Dioxin 163

TOTALS		
Total TCDD	46.5	47.9
Total PeCDD	105	108
Total HxCDD	1600	
Total HpCDD	19600	
Total TCDF	179	206
Total PeCDF	384	
Total HxCDF	462	464
Total HpCDF	1670	

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-066SC-B-04-06-191011 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903650-03 Date Received: 15-Oct-2019 8:51
Project: Gasco PDI	Sample Size: 17.4 g	QC Batch: B0A0018 Date Extracted: 06-Jan-2020 6:10
Date Collected: 11-Oct-2019 8:40	% Solids: 57.5	Date Analyzed : 29-Jan-20 20:50 Column: ZB-5MS 31-Jan-20 00:56 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.661		IS 13C-2,3,7,8-TCDD	55.7	25 - 164	
1,2,3,7,8-PeCDD	2.36			J	13C-1,2,3,7,8-PeCDD	53.5	25 - 181	
1,2,3,4,7,8-HxCDD	ND		1.59		13C-1,2,3,4,7,8-HxCDD	41.0	32 - 141	
1,2,3,6,7,8-HxCDD	9.85				13C-1,2,3,6,7,8-HxCDD	45.8	28 - 130	
1,2,3,7,8,9-HxCDD	3.97				13C-1,2,3,7,8,9-HxCDD	39.1	32 - 141	
1,2,3,4,6,7,8-HpCDD	312				13C-1,2,3,4,6,7,8-HpCDD	45.3	23 - 140	
OCDD	5050				13C-OCDD	46.2	17 - 157	
2,3,7,8-TCDF	4.28				13C-2,3,7,8-TCDF	51.1	24 - 169	
1,2,3,7,8-PeCDF	3.18				13C-1,2,3,7,8-PeCDF	63.7	24 - 185	
2,3,4,7,8-PeCDF	18.4				13C-2,3,4,7,8-PeCDF	54.2	21 - 178	
1,2,3,4,7,8-HxCDF	7.42				13C-1,2,3,4,7,8-HxCDF	44.8	26 - 152	
1,2,3,6,7,8-HxCDF	5.96				13C-1,2,3,6,7,8-HxCDF	43.5	26 - 123	
2,3,4,6,7,8-HxCDF	9.80				13C-2,3,4,6,7,8-HxCDF	32.1	28 - 136	
1,2,3,7,8,9-HxCDF	ND		2.29		13C-1,2,3,7,8,9-HxCDF	38.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	150				13C-1,2,3,4,6,7,8-HpCDF	41.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	3.65				13C-1,2,3,4,7,8,9-HpCDF	41.1	26 - 138	
OCDF	229				13C-OCDF	39.6	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	54.0	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
TEQMinWHO2005Dioxin 18.3

TOTALS			
Total TCDD	9.87		11.7
Total PeCDD	37.2		40.0
Total HxCDD	103		105
Total HpCDD	836		
Total TCDF	120		
Total PeCDF	263		266
Total HxCDF	221		224
Total HpCDF	406		

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-066SC-B-06-08-191011 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903650-04 Date Received: 15-Oct-2019 8:51
Project: Gasco PDI	Sample Size: 17.4 g	QC Batch: B0A0018 Date Extracted: 06-Jan-2020 6:10
Date Collected: 11-Oct-2019 8:40	% Solids: 57.5	Date Analyzed : 29-Jan-20 21:38 Column: ZB-5MS

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	69.0	25 - 164	
1,2,3,7,8-PeCDD	ND	0.487			13C-1,2,3,7,8-PeCDD	83.3	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.404			13C-1,2,3,4,7,8-HxCDD	73.3	32 - 141	
1,2,3,6,7,8-HxCDD	2.58				13C-1,2,3,6,7,8-HxCDD	73.4	28 - 130	
1,2,3,7,8,9-HxCDD	ND		0.681		13C-1,2,3,7,8,9-HxCDD	79.4	32 - 141	
1,2,3,4,6,7,8-HpCDD	86.3				13C-1,2,3,4,6,7,8-HpCDD	79.3	23 - 140	
OCDD	1270				13C-OCDD	81.6	17 - 157	
2,3,7,8-TCDF	ND	0.425			13C-2,3,7,8-TCDF	79.0	24 - 169	
1,2,3,7,8-PeCDF	ND	0.418			13C-1,2,3,7,8-PeCDF	102	24 - 185	
2,3,4,7,8-PeCDF	0.791			J	13C-2,3,4,7,8-PeCDF	84.6	21 - 178	
1,2,3,4,7,8-HxCDF	1.98			J	13C-1,2,3,4,7,8-HxCDF	70.1	26 - 152	
1,2,3,6,7,8-HxCDF	ND		2.22		13C-1,2,3,6,7,8-HxCDF	69.1	26 - 123	
2,3,4,6,7,8-HxCDF	2.65				13C-2,3,4,6,7,8-HxCDF	77.0	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.549			13C-1,2,3,7,8,9-HxCDF	83.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	166				13C-1,2,3,4,6,7,8-HpCDF	64.9	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND		0.816		13C-1,2,3,4,7,8,9-HpCDF	78.3	26 - 138	
OCDF	78.0				13C-OCDF	77.4	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	69.6	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 3.89

TOTALS			
Total TCDD	ND		0.392
Total PeCDD	2.31		3.17
Total HxCDD	23.2		25.1
Total HpCDD	228		
Total TCDF	10.9		13.6
Total PeCDF	24.5		38.8
Total HxCDF	79.4		81.7
Total HpCDF	314		315

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-088SC-B-00-02-191011 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903650-05 Date Received: 15-Oct-2019 8:51
Project: Gasco PDI	Sample Size: 18.6 g	QC Batch: B0A0018 Date Extracted: 06-Jan-2020 6:10
Date Collected: 11-Oct-2019 16:08	% Solids: 53.7	Date Analyzed : 29-Jan-20 22:28 Column: ZB-5MS 31-Jan-20 01:28 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.189		IS 13C-2,3,7,8-TCDD	69.3	25 - 164	
1,2,3,7,8-PeCDD	ND	0.297			13C-1,2,3,7,8-PeCDD	77.9	25 - 181	
1,2,3,4,7,8-HxCDD	ND		0.482		13C-1,2,3,4,7,8-HxCDD	66.0	32 - 141	
1,2,3,6,7,8-HxCDD	2.48			J	13C-1,2,3,6,7,8-HxCDD	67.5	28 - 130	
1,2,3,7,8,9-HxCDD	ND		0.888		13C-1,2,3,7,8,9-HxCDD	77.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	98.6				13C-1,2,3,4,6,7,8-HpCDD	83.1	23 - 140	
OCDD	1290				13C-OCDD	80.6	17 - 157	
2,3,7,8-TCDF	14.5				13C-2,3,7,8-TCDF	64.3	24 - 169	
1,2,3,7,8-PeCDF	18.7				13C-1,2,3,7,8-PeCDF	69.3	24 - 185	
2,3,4,7,8-PeCDF	10.4				13C-2,3,4,7,8-PeCDF	72.6	21 - 178	
1,2,3,4,7,8-HxCDF	25.2				13C-1,2,3,4,7,8-HxCDF	69.9	26 - 152	
1,2,3,6,7,8-HxCDF	10.3				13C-1,2,3,6,7,8-HxCDF	70.7	26 - 123	
2,3,4,6,7,8-HxCDF	3.10				13C-2,3,4,6,7,8-HxCDF	73.1	28 - 136	
1,2,3,7,8,9-HxCDF	0.342			J	13C-1,2,3,7,8,9-HxCDF	76.7	29 - 147	
1,2,3,4,6,7,8-HpCDF	34.2				13C-1,2,3,4,6,7,8-HpCDF	79.7	28 - 143	
1,2,3,4,7,8,9-HpCDF	5.57				13C-1,2,3,4,7,8,9-HpCDF	84.0	26 - 138	
OCDF	73.5				13C-OCDF	77.7	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	69.0	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
TEQMinWHO2005Dioxin 11.1

TOTALS		
Total TCDD	2.10	2.60
Total PeCDD	1.82	2.63
Total HxCDD	27.0	28.4
Total HpCDD	262	
Total TCDF	57.2	60.4
Total PeCDF	69.8	73.1
Total HxCDF	69.6	73.0
Total HpCDF	107	

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-088SC-B-02-04-191011 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903650-06 Date Received: 15-Oct-2019 8:51
Project: Gasco PDI	Sample Size: 17.0 g	QC Batch: B0A0018 Date Extracted: 06-Jan-2020 6:10
Date Collected: 11-Oct-2019 16:08	% Solids: 59.0	Date Analyzed : 29-Jan-20 23:16 Column: ZB-5MS 31-Jan-20 02:00 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	1.65				IS 13C-2,3,7,8-TCDD	70.0	25 - 164	
1,2,3,7,8-PeCDD	1.45			J	13C-1,2,3,7,8-PeCDD	79.9	25 - 181	
1,2,3,4,7,8-HxCDD	1.92			J	13C-1,2,3,4,7,8-HxCDD	65.3	32 - 141	
1,2,3,6,7,8-HxCDD	9.68				13C-1,2,3,6,7,8-HxCDD	74.4	28 - 130	
1,2,3,7,8,9-HxCDD	4.77				13C-1,2,3,7,8,9-HxCDD	73.5	32 - 141	
1,2,3,4,6,7,8-HpCDD	316				13C-1,2,3,4,6,7,8-HpCDD	78.8	23 - 140	
OCDD	4760				13C-OCDD	82.5	17 - 157	
2,3,7,8-TCDF	21.2				13C-2,3,7,8-TCDF	62.3	24 - 169	
1,2,3,7,8-PeCDF	19.4				13C-1,2,3,7,8-PeCDF	77.4	24 - 185	
2,3,4,7,8-PeCDF	12.6				13C-2,3,4,7,8-PeCDF	72.0	21 - 178	
1,2,3,4,7,8-HxCDF	37.1				13C-1,2,3,4,7,8-HxCDF	73.4	26 - 152	
1,2,3,6,7,8-HxCDF	14.1				13C-1,2,3,6,7,8-HxCDF	76.4	26 - 123	
2,3,4,6,7,8-HxCDF	6.33				13C-2,3,4,6,7,8-HxCDF	69.6	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.391		13C-1,2,3,7,8,9-HxCDF	73.5	29 - 147	
1,2,3,4,6,7,8-HpCDF	98.2				13C-1,2,3,4,6,7,8-HpCDF	64.2	28 - 143	
1,2,3,4,7,8,9-HpCDF	10.7				13C-1,2,3,4,7,8,9-HpCDF	80.2	26 - 138	
OCDF	240				13C-OCDF	76.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	69.2	35 - 197	

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

TEQMinWHO2005Dioxin 22.7

TOTALS		
Total TCDD	11.4	12.5
Total PeCDD	18.9	19.3
Total HxCDD	110	111
Total HpCDD	747	
Total TCDF	83.9	89.6
Total PeCDF	122	123
Total HxCDF	159	160
Total HpCDF	320	

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-088SC-B-02-04-191011		QC Batch: B0A0018		Lab Sample: B0A0018-DUP1				
Source LabNumber: 1903650-06		Date Extracted: 06-Jan-2020 6:10		Date Analyzed: 29-Jan-20 18:26 Column: ZB-5MS				
Matrix: Solid								
Sample Size: 17.0 g								
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	1.73				IS 13C-2,3,7,8-TCDD	72.8	25 - 164	
1,2,3,7,8-PeCDD	1.46			J	13C-1,2,3,7,8-PeCDD	76.7	25 - 181	
1,2,3,4,7,8-HxCDD	1.12			J	13C-1,2,3,4,7,8-HxCDD	63.0	32 - 141	
1,2,3,6,7,8-HxCDD	6.22				13C-1,2,3,6,7,8-HxCDD	69.2	28 - 130	
1,2,3,7,8,9-HxCDD	ND		2.34		13C-1,2,3,7,8,9-HxCDD	69.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	180				13C-1,2,3,4,6,7,8-HpCDD	70.8	23 - 140	
OCDD	2680				13C-OCDD	87.6	17 - 157	
2,3,7,8-TCDF	6.35				13C-2,3,7,8-TCDF	67.3	24 - 169	
1,2,3,7,8-PeCDF	10.7				13C-1,2,3,7,8-PeCDF	74.5	24 - 185	
2,3,4,7,8-PeCDF	ND		2.62		13C-2,3,4,7,8-PeCDF	69.6	21 - 178	
1,2,3,4,7,8-HxCDF	23.6				13C-1,2,3,4,7,8-HxCDF	73.8	26 - 152	
1,2,3,6,7,8-HxCDF	10.7				13C-1,2,3,6,7,8-HxCDF	76.0	26 - 123	
2,3,4,6,7,8-HxCDF	5.31				13C-2,3,4,6,7,8-HxCDF	64.1	28 - 136	
1,2,3,7,8,9-HxCDF	0.352			J	13C-1,2,3,7,8,9-HxCDF	65.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	58.7				13C-1,2,3,4,6,7,8-HpCDF	66.3	28 - 143	
1,2,3,4,7,8,9-HpCDF	7.37				13C-1,2,3,4,7,8,9-HpCDF	64.1	26 - 138	
OCDF	145				13C-OCDF	83.5	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	71.2	35 - 197	
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)			
					TEQMinWHO2005Dioxin 12.2			
TOTALS								
Total TCDD	14.5		16.2					
Total PeCDD	17.5		18.0					
Total HxCDD	82.4		85.3					
Total HpCDD	475							
Total TCDF	46.8		50.7					
Total PeCDF	79.6		86.1					
Total HxCDF	128							
Total HpCDF	230							

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.

Sample ID: Duplicate					EPA Method 1613B				
Source Client ID: PDI-088SC-B-02-04-191011					Duplicate Lab Sample: B0A0018-DUP1				
Source LabNumber: 1903650-06									
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	1.73	1.65	5.16	25	IS 13C-2,3,7,8-TCDD	72.8	70.0	25 - 164	
1,2,3,7,8-PeCDD	1.46	1.45	0.921	25	13C-1,2,3,7,8-PeCDD	76.7	79.9	25 - 181	
1,2,3,4,7,8-HxCDD	1.12	1.92	52.2	25	13C-1,2,3,4,7,8-HxCDD	63.0	65.3	32 - 141	
1,2,3,6,7,8-HxCDD	6.22	9.68	43.4	25	13C-1,2,3,6,7,8-HxCDD	69.2	74.4	28 - 130	
1,2,3,7,8,9-HxCDD	ND	4.77	#	25	13C-1,2,3,7,8,9-HxCDD	69.7	73.5	32 - 141	
1,2,3,4,6,7,8-HpCDD	180	316	54.9	25	13C-1,2,3,4,6,7,8-HpCDD	70.8	78.8	23 - 140	
OCDD	2680	4760	56.0	25	13C-OCDD	87.6	82.5	17 - 157	
2,3,7,8-TCDF	6.35	23.5	115	25	13C-2,3,7,8-TCDF	67.3	62.3	24 - 169	
1,2,3,7,8-PeCDF	10.7	19.4	57.7	25	13C-1,2,3,7,8-PeCDF	74.5	77.4	24 - 185	
2,3,4,7,8-PeCDF	ND	12.6	#	25	13C-2,3,4,7,8-PeCDF	69.6	72.0	21 - 178	
1,2,3,4,7,8-HxCDF	23.6	37.1	44.5	25	13C-1,2,3,4,7,8-HxCDF	73.8	73.4	26 - 152	
1,2,3,6,7,8-HxCDF	10.7	14.1	27.4	25	13C-1,2,3,6,7,8-HxCDF	76.0	76.4	26 - 123	
2,3,4,6,7,8-HxCDF	5.31	6.33	17.5	25	13C-2,3,4,6,7,8-HxCDF	64.1	69.6	28 - 136	
1,2,3,7,8,9-HxCDF	0.352	ND	#	25	13C-1,2,3,7,8,9-HxCDF	65.8	73.5	29 - 147	
1,2,3,4,6,7,8-HpCDF	58.7	98.2	50.3	25	13C-1,2,3,4,6,7,8-HpCDF	66.3	64.2	28 - 143	
1,2,3,4,7,8,9-HpCDF	7.37	10.7	37.3	25	13C-1,2,3,4,7,8,9-HpCDF	64.1	80.2	26 - 138	
OCDF	145	240	49.3	25	13C-OCDF	83.5	76.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	71.2	69.2	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-088SC-B-04-06-191011 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903650-07 Date Received: 15-Oct-2019 8:51
Project: Gasco PDI	Sample Size: 17.4 g	QC Batch: B0A0018 Date Extracted: 06-Jan-2020 6:10
Date Collected: 11-Oct-2019 16:08	% Solids: 57.5	Date Analyzed : 30-Jan-20 00:03 Column: ZB-5MS 31-Jan-20 02:31 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.302		IS 13C-2,3,7,8-TCDD	65.9	25 - 164	
1,2,3,7,8-PeCDD	ND		0.601		13C-1,2,3,7,8-PeCDD	75.6	25 - 181	
1,2,3,4,7,8-HxCDD	0.682			J	13C-1,2,3,4,7,8-HxCDD	63.3	32 - 141	
1,2,3,6,7,8-HxCDD	3.60				13C-1,2,3,6,7,8-HxCDD	69.2	28 - 130	
1,2,3,7,8,9-HxCDD	1.73			J	13C-1,2,3,7,8,9-HxCDD	73.8	32 - 141	
1,2,3,4,6,7,8-HpCDD	134				13C-1,2,3,4,6,7,8-HpCDD	80.4	23 - 140	
OCDD	1700				13C-OCDD	97.7	17 - 157	
2,3,7,8-TCDF	7.38				13C-2,3,7,8-TCDF	56.7	24 - 169	
1,2,3,7,8-PeCDF	13.3				13C-1,2,3,7,8-PeCDF	64.4	24 - 185	
2,3,4,7,8-PeCDF	6.60				13C-2,3,4,7,8-PeCDF	68.2	21 - 178	
1,2,3,4,7,8-HxCDF	22.2				13C-1,2,3,4,7,8-HxCDF	71.7	26 - 152	
1,2,3,6,7,8-HxCDF	7.55				13C-1,2,3,6,7,8-HxCDF	75.2	26 - 123	
2,3,4,6,7,8-HxCDF	2.69				13C-2,3,4,6,7,8-HxCDF	71.5	28 - 136	
1,2,3,7,8,9-HxCDF	0.272			J	13C-1,2,3,7,8,9-HxCDF	71.3	29 - 147	
1,2,3,4,6,7,8-HpCDF	38.4				13C-1,2,3,4,6,7,8-HpCDF	74.2	28 - 143	
1,2,3,4,7,8,9-HpCDF	5.54				13C-1,2,3,4,7,8,9-HpCDF	79.6	26 - 138	
OCDF	85.6				13C-OCDF	92.6	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	63.4	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
TEQMinWHO2005Dioxin 9.30

TOTALS		
Total TCDD	8.25	8.85
Total PeCDD	7.15	8.66
Total HxCDD	41.5	42.1
Total HpCDD	320	
Total TCDF	41.3	43.5
Total PeCDF	71.3	72.5
Total HxCDF	75.6	
Total HpCDF	119	

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-088SC-B-06-08-191011 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903650-08 Date Received: 15-Oct-2019 8:51
Project: Gasco PDI	Sample Size: 16.7 g	QC Batch: B0A0018 Date Extracted: 06-Jan-2020 6:10
Date Collected: 11-Oct-2019 16:08	% Solids: 60.0	Date Analyzed : 30-Jan-20 00:51 Column: ZB-5MS 31-Jan-20 03:01 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	0.572				IS 13C-2,3,7,8-TCDD	70.7	25 - 164	
1,2,3,7,8-PeCDD	1.33			J	13C-1,2,3,7,8-PeCDD	73.4	25 - 181	
1,2,3,4,7,8-HxCDD	ND		0.925		13C-1,2,3,4,7,8-HxCDD	66.7	32 - 141	
1,2,3,6,7,8-HxCDD	9.86				13C-1,2,3,6,7,8-HxCDD	70.4	28 - 130	
1,2,3,7,8,9-HxCDD	3.41				13C-1,2,3,7,8,9-HxCDD	71.3	32 - 141	
1,2,3,4,6,7,8-HpCDD	481				13C-1,2,3,4,6,7,8-HpCDD	77.5	23 - 140	
OCDD	4530				13C-OCDD	94.7	17 - 157	
2,3,7,8-TCDF	24.0				13C-2,3,7,8-TCDF	66.2	24 - 169	
1,2,3,7,8-PeCDF	36.9				13C-1,2,3,7,8-PeCDF	66.4	24 - 185	
2,3,4,7,8-PeCDF	19.5				13C-2,3,4,7,8-PeCDF	67.5	21 - 178	
1,2,3,4,7,8-HxCDF	60.1				13C-1,2,3,4,7,8-HxCDF	70.7	26 - 152	
1,2,3,6,7,8-HxCDF	18.3				13C-1,2,3,6,7,8-HxCDF	71.6	26 - 123	
2,3,4,6,7,8-HxCDF	9.91				13C-2,3,4,6,7,8-HxCDF	67.6	28 - 136	
1,2,3,7,8,9-HxCDF	0.718			J	13C-1,2,3,7,8,9-HxCDF	73.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	207				13C-1,2,3,4,6,7,8-HpCDF	69.9	28 - 143	
1,2,3,4,7,8,9-HpCDF	10.9				13C-1,2,3,4,7,8,9-HpCDF	77.8	26 - 138	
OCDF	256				13C-OCDF	94.5	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	70.5	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
TEQMinWHO2005Dioxin 29.9

TOTALS			
Total TCDD	15.3		
Total PeCDD	17.3	19.4	
Total HxCDD	113	114	
Total HpCDD	1090		
Total TCDF	119	124	
Total PeCDF	212	213	
Total HxCDF	272		
Total HpCDF	549		

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-1088SC-B-04-06-191011 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903650-09 Date Received: 15-Oct-2019 8:51
Project: Gasco PDI	Sample Size: 17.4 g	QC Batch: B0A0018 Date Extracted: 06-Jan-2020 6:10
Date Collected: 11-Oct-2019 0:00	% Solids: 57.6	Date Analyzed : 30-Jan-20 01:41 Column: ZB-5MS 31-Jan-20 03:33 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	0.811				IS 13C-2,3,7,8-TCDD	85.1	25 - 164	
1,2,3,7,8-PeCDD	1.48			J	13C-1,2,3,7,8-PeCDD	77.2	25 - 181	
1,2,3,4,7,8-HxCDD	1.70			J	13C-1,2,3,4,7,8-HxCDD	75.6	32 - 141	
1,2,3,6,7,8-HxCDD	9.72				13C-1,2,3,6,7,8-HxCDD	80.7	28 - 130	
1,2,3,7,8,9-HxCDD	4.30				13C-1,2,3,7,8,9-HxCDD	80.0	32 - 141	
1,2,3,4,6,7,8-HpCDD	327				13C-1,2,3,4,6,7,8-HpCDD	91.1	23 - 140	
OCDD	4030				13C-OCDD	136	17 - 157	
2,3,7,8-TCDF	17.5				13C-2,3,7,8-TCDF	80.3	24 - 169	
1,2,3,7,8-PeCDF	37.0				13C-1,2,3,7,8-PeCDF	77.7	24 - 185	
2,3,4,7,8-PeCDF	23.7				13C-2,3,4,7,8-PeCDF	73.6	21 - 178	
1,2,3,4,7,8-HxCDF	91.8				13C-1,2,3,4,7,8-HxCDF	82.2	26 - 152	
1,2,3,6,7,8-HxCDF	42.4				13C-1,2,3,6,7,8-HxCDF	82.1	26 - 123	
2,3,4,6,7,8-HxCDF	11.6				13C-2,3,4,6,7,8-HxCDF	79.0	28 - 136	
1,2,3,7,8,9-HxCDF	2.04			J	13C-1,2,3,7,8,9-HxCDF	79.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	122				13C-1,2,3,4,6,7,8-HpCDF	86.3	28 - 143	
1,2,3,4,7,8,9-HpCDF	21.7				13C-1,2,3,4,7,8,9-HpCDF	89.9	26 - 138	
OCDF	271				13C-OCDF	134	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	81.5	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
TEQMinWHO2005Dioxin 34.6

TOTALS		
Total TCDD	19.6	21.0
Total PeCDD	18.6	22.3
Total HxCDD	92.2	104
Total HpCDD	784	
Total TCDF	81.0	95.6
Total PeCDF	174	179
Total HxCDF	274	
Total HpCDF	396	

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-092SC-B-00-02-191011 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903650-10 Date Received: 15-Oct-2019 8:51
Project: Gasco PDI	Sample Size: 19.6 g	QC Batch: B0A0018 Date Extracted: 06-Jan-2020 6:10
Date Collected: 11-Oct-2019 12:40	% Solids: 51.1	Date Analyzed : 30-Jan-20 02:29 Column: ZB-5MS 31-Jan-20 04:04 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	0.765				IS 13C-2,3,7,8-TCDD	71.1	25 - 164	
1,2,3,7,8-PeCDD	1.07			J	13C-1,2,3,7,8-PeCDD	72.8	25 - 181	
1,2,3,4,7,8-HxCDD	0.740			J	13C-1,2,3,4,7,8-HxCDD	59.0	32 - 141	
1,2,3,6,7,8-HxCDD	7.06				13C-1,2,3,6,7,8-HxCDD	56.7	28 - 130	
1,2,3,7,8,9-HxCDD	ND		2.51		13C-1,2,3,7,8,9-HxCDD	51.6	32 - 141	
1,2,3,4,6,7,8-HpCDD	436				13C-1,2,3,4,6,7,8-HpCDD	64.0	23 - 140	
OCDD	3440				13C-OCDD	65.3	17 - 157	
2,3,7,8-TCDF	13.7				13C-2,3,7,8-TCDF	62.7	24 - 169	
1,2,3,7,8-PeCDF	19.0				13C-1,2,3,7,8-PeCDF	65.8	24 - 185	
2,3,4,7,8-PeCDF	18.3				13C-2,3,4,7,8-PeCDF	67.6	21 - 178	
1,2,3,4,7,8-HxCDF	25.5				13C-1,2,3,4,7,8-HxCDF	68.4	26 - 152	
1,2,3,6,7,8-HxCDF	9.80				13C-1,2,3,6,7,8-HxCDF	62.2	26 - 123	
2,3,4,6,7,8-HxCDF	6.74				13C-2,3,4,6,7,8-HxCDF	58.5	28 - 136	
1,2,3,7,8,9-HxCDF	5.05				13C-1,2,3,7,8,9-HxCDF	56.6	29 - 147	
1,2,3,4,6,7,8-HpCDF	75.6				13C-1,2,3,4,6,7,8-HpCDF	58.5	28 - 143	
1,2,3,4,7,8,9-HpCDF	5.93				13C-1,2,3,4,7,8,9-HpCDF	55.5	26 - 138	
OCDF	113				13C-OCDF	62.0	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	71.2	35 - 197	

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

TEQMinWHO2005Dioxin	21.0
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TOTALS		
Total TCDD	15.7	16.9
Total PeCDD	27.3	28.9
Total HxCDD	132	136
Total HpCDD	1060	
Total TCDF	107	110
Total PeCDF	210	
Total HxCDF	174	
Total HpCDF	246	

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-092SC-B-02-04-191011 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903650-11 Date Received: 15-Oct-2019 8:51
Project: Gasco PDI	Sample Size: 19.5 g	QC Batch: B0A0018 Date Extracted: 06-Jan-2020 6:10
Date Collected: 11-Oct-2019 12:40	% Solids: 51.2	Date Analyzed : 30-Jan-20 08:14 Column: ZB-5MS 31-Jan-20 04:35 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.324		IS 13C-2,3,7,8-TCDD	68.6	25 - 164	
1,2,3,7,8-PeCDD	ND		1.53		13C-1,2,3,7,8-PeCDD	71.3	25 - 181	
1,2,3,4,7,8-HxCDD	1.99			J	13C-1,2,3,4,7,8-HxCDD	51.3	32 - 141	
1,2,3,6,7,8-HxCDD	24.1				13C-1,2,3,6,7,8-HxCDD	56.1	28 - 130	
1,2,3,7,8,9-HxCDD	7.76				13C-1,2,3,7,8,9-HxCDD	51.6	32 - 141	
1,2,3,4,6,7,8-HpCDD	1290				13C-1,2,3,4,6,7,8-HpCDD	55.7	23 - 140	
OCDD	15500			D	13C-OCDD	48.5	17 - 157	D
2,3,7,8-TCDF	1.02				13C-2,3,7,8-TCDF	59.3	24 - 169	
1,2,3,7,8-PeCDF	1.38			J	13C-1,2,3,7,8-PeCDF	63.2	24 - 185	
2,3,4,7,8-PeCDF	3.91				13C-2,3,4,7,8-PeCDF	62.5	21 - 178	
1,2,3,4,7,8-HxCDF	10.6				13C-1,2,3,4,7,8-HxCDF	60.3	26 - 152	
1,2,3,6,7,8-HxCDF	14.0				13C-1,2,3,6,7,8-HxCDF	64.0	26 - 123	
2,3,4,6,7,8-HxCDF	13.4				13C-2,3,4,6,7,8-HxCDF	52.1	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.0928		13C-1,2,3,7,8,9-HxCDF	53.1	29 - 147	
1,2,3,4,6,7,8-HpCDF	662				13C-1,2,3,4,6,7,8-HpCDF	49.7	28 - 143	
1,2,3,4,7,8,9-HpCDF	4.82				13C-1,2,3,4,7,8,9-HpCDF	48.6	26 - 138	
OCDF	318				13C-OCDF	50.4	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	68.1	35 - 197	

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

TEQMinWHO2005Dioxin 32.8

TOTALS		
Total TCDD	5.37	7.51
Total PeCDD	28.0	33.7
Total HxCDD	387	
Total HpCDD	3100	
Total TCDF	89.9	92.4
Total PeCDF	189	238
Total HxCDF	496	497
Total HpCDF	1360	

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-092SC-B-04-06-191011 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903650-12 Date Received: 15-Oct-2019 8:51
Project: Gasco PDI	Sample Size: 17.8 g	QC Batch: B0A0018 Date Extracted: 06-Jan-2020 6:10
Date Collected: 11-Oct-2019 12:40	% Solids: 56.2	Date Analyzed : 30-Jan-20 09:02 Column: ZB-5MS 31-Jan-20 05:07 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.136			IS 13C-2,3,7,8-TCDD	65.2	25 - 164	
1,2,3,7,8-PeCDD	ND		0.805		13C-1,2,3,7,8-PeCDD	51.7	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.224			13C-1,2,3,4,7,8-HxCDD	54.3	32 - 141	
1,2,3,6,7,8-HxCDD	0.927			J	13C-1,2,3,6,7,8-HxCDD	52.9	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.276			13C-1,2,3,7,8,9-HxCDD	51.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	5.49				13C-1,2,3,4,6,7,8-HpCDD	48.7	23 - 140	
OCDD	74.4				13C-OCDD	55.3	17 - 157	
2,3,7,8-TCDF	0.456			J	13C-2,3,7,8-TCDF	61.6	24 - 169	
1,2,3,7,8-PeCDF	ND	0.272			13C-1,2,3,7,8-PeCDF	50.2	24 - 185	
2,3,4,7,8-PeCDF	1.45			J	13C-2,3,4,7,8-PeCDF	49.2	21 - 178	
1,2,3,4,7,8-HxCDF	1.60			J	13C-1,2,3,4,7,8-HxCDF	57.0	26 - 152	
1,2,3,6,7,8-HxCDF	1.23			J	13C-1,2,3,6,7,8-HxCDF	53.3	26 - 123	
2,3,4,6,7,8-HxCDF	2.18			J	13C-2,3,4,6,7,8-HxCDF	50.1	28 - 136	
1,2,3,7,8,9-HxCDF	0.467			J	13C-1,2,3,7,8,9-HxCDF	49.4	29 - 147	
1,2,3,4,6,7,8-HpCDF	6.18				13C-1,2,3,4,6,7,8-HpCDF	49.1	28 - 143	
1,2,3,4,7,8,9-HpCDF	0.474			J	13C-1,2,3,4,7,8,9-HpCDF	46.1	26 - 138	
OCDF	2.89			J	13C-OCDF	52.4	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	62.4	35 - 197	

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

TEQMinWHO2005Dioxin 1.27

TOTALS			
Total TCDD	4.32	4.82	
Total PeCDD	8.34	10.5	
Total HxCDD	11.7		
Total HpCDD	14.9		
Total TCDF	31.3	34.1	
Total PeCDF	61.3		
Total HxCDF	30.7		
Total HpCDF	12.5		

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-092SC-B-06-08-191011 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903650-13 Date Received: 15-Oct-2019 8:51
Project: Gasco PDI	Sample Size: 16.2 g	QC Batch: B0A0018 Date Extracted: 06-Jan-2020 6:10
Date Collected: 11-Oct-2019 12:40	% Solids: 62.0	Date Analyzed : 30-Jan-20 11:29 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.145			IS 13C-2,3,7,8-TCDD	67.4	25 - 164	
1,2,3,7,8-PeCDD	ND	0.191			13C-1,2,3,7,8-PeCDD	66.1	25 - 181	
1,2,3,4,7,8-HxCDD	ND		0.0719		13C-1,2,3,4,7,8-HxCDD	46.5	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.242			13C-1,2,3,6,7,8-HxCDD	51.4	28 - 130	
1,2,3,7,8,9-HxCDD	ND		0.0672		13C-1,2,3,7,8,9-HxCDD	47.3	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.63			J	13C-1,2,3,4,6,7,8-HpCDD	48.5	23 - 140	
OCDD	10.6				13C-OCDD	38.3	17 - 157	
2,3,7,8-TCDF	0.169			J	13C-2,3,7,8-TCDF	59.2	24 - 169	
1,2,3,7,8-PeCDF	ND	0.114			13C-1,2,3,7,8-PeCDF	61.9	24 - 185	
2,3,4,7,8-PeCDF	ND		0.261		13C-2,3,4,7,8-PeCDF	57.8	21 - 178	
1,2,3,4,7,8-HxCDF	0.284			J	13C-1,2,3,4,7,8-HxCDF	56.1	26 - 152	
1,2,3,6,7,8-HxCDF	ND		0.0760		13C-1,2,3,6,7,8-HxCDF	59.5	26 - 123	
2,3,4,6,7,8-HxCDF	ND		0.123		13C-2,3,4,6,7,8-HxCDF	47.3	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.0499		13C-1,2,3,7,8,9-HxCDF	49.4	29 - 147	
1,2,3,4,6,7,8-HpCDF	1.74			J	13C-1,2,3,4,6,7,8-HpCDF	42.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.271			13C-1,2,3,4,7,8,9-HpCDF	40.0	26 - 138	
OCDF	0.769			J	13C-OCDF	36.6	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	65.5	35 - 197	

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

TEQMinWHO2005Dioxin 0.0824

TOTALS	
Total TCDD	0.895
Total PeCDD	0.0624
Total HxCDD	ND
Total HpCDD	3.85
Total TCDF	3.63
Total PeCDF	0.588
Total HxCDF	0.812
Total HpCDF	2.66

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

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

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
TEQ	Toxic Equivalency
U	Not Detected (specific projects only)
*	See Cover Letter

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

Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	19-013-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-23
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2018017
Massachusetts Department of Environmental Protection	N/A
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1521520
New Hampshire Environmental Accreditation Program	207718-B
New Jersey Department of Environmental Protection	190001
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-010
Pennsylvania Department of Environmental Protection	016
Texas Commission on Environmental Quality	T104704189-19-10
Vermont Department of Health	VT-4042
Virginia Department of General Services	10272
Washington Department of Ecology	C584-19
Wisconsin Department of Natural Resources	998036160

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

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA TO-9A

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

MATRIX: Drinking Water	
Description of Test	Method
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613/1613B
1,4-Dioxane (1,4-Diethyleneoxide) analysis by GC/HRMS	EPA 522
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	ISO 25101 2009

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

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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: VIST1-20191011-174305
Sample Custodian: SN
Lab: VISTA - Archive

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

1903650 1.3°C, 3.6°C

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	PDI-066SC-B-00-02-191011	N	SE	10/11/2019	8:40	1	<input type="checkbox"/>	Archive (VISTA)	ARCHIVE	-1	-10°C
002	PDI-066SC-B-02-04-191011	N	SE	10/11/2019	8:40	1	<input type="checkbox"/>	Archive (VISTA)	ARCHIVE	-1	-10°C
003	PDI-066SC-B-04-06-191011	N	SE	10/11/2019	8:40	1	<input type="checkbox"/>	Archive (VISTA)	ARCHIVE	-1	-10°C
004	PDI-066SC-B-06-08-191011	N	SE	10/11/2019	8:40	1	<input type="checkbox"/>	Archive (VISTA)	ARCHIVE	-1	-10°C
005	PDI-088SC-B-00-02-191011	N	SE	10/11/2019	16:08	1	<input type="checkbox"/>	Archive (VISTA)	ARCHIVE	-1	-10°C
006	PDI-088SC-B-02-04-191011	N	SE	10/11/2019	16:08	1	<input checked="" type="checkbox"/>	Archive (VISTA)	ARCHIVE	-1	-10°C
007	PDI-088SC-B-04-06-191011	N	SE	10/11/2019	16:08	1	<input type="checkbox"/>	Archive (VISTA)	ARCHIVE	-1	-10°C
008	PDI-088SC-B-06-08-191011	N	SE	10/11/2019	16:08	1	<input type="checkbox"/>	Archive (VISTA)	ARCHIVE	-1	-10°C
009	PDI-1088SC-B-04-06-191011	FD	SE	10/11/2019		1	<input type="checkbox"/>	Archive (VISTA)	ARCHIVE	-1	-10°C
010	PDI-092SC-B-00-02-191011	N	SE	10/11/2019	12:40	1	<input type="checkbox"/>	Archive (VISTA)	ARCHIVE	-1	-10°C
011	PDI-092SC-B-02-04-191011	N	SE	10/11/2019	12:40	1	<input type="checkbox"/>	Archive (VISTA)	ARCHIVE	-1	-10°C

Comment:

Relinquished By: Signature <i>[Signature]</i>	Received By: Signature <i>[Signature]</i>	Relinquished By: Signature	Received By: Signature	Relinquished By: Signature	Received By: Signature
Print Name CORARO	Print Name Hayden Canas	Print Name	Print Name	Print Name	Print Name
Company AQ	Company VAL	Company	Company	Company	Company
Date/Time 10/14/19 07:55	Date/Time 10/15/19 08:51	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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

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

Project: Gasco PDI
Client: NW Natural

1903650

COC ID: VIST1-20191011-174305
Sample Custodian: SN
Lab: VISTA - Archive

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected		Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
				Date	Time						
011	PDI-092SC-B-02-04-191011	N	SE	10/11/2019	12:40	1	<input type="checkbox"/>	Archive (VISTA)	ARCHIVE	-1	-10°C
012	PDI-092SC-B-04-06-191011	N	SE	10/11/2019	12:40	1	<input type="checkbox"/>	Archive (VISTA)	ARCHIVE	-1	-10°C
013	PDI-092SC-B-06-08-191011	N	SE	10/11/2019	12:40	1	<input type="checkbox"/>	Archive (VISTA)	ARCHIVE	-1	-10°C

Comment:					
Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Print Name: C. ORZORG	Print Name: Hayden Crane	Print Name:	Print Name:	Print Name:	Print Name:
Company: HQ	Company: VAL	Company:	Company:	Company:	Company:
Date/Time: 10/11/19 07:55	Date/Time: 10/11/19 08:51	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 #: 1903650 TAT std

Samples Arrival:	Date/Time <u>10/15/19 08:51</u>	Initials: <u>HOG</u>	Location: <u>WR-2</u>
			Shelf/Rack: <u>NA</u>
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac
	<input type="checkbox"/> GSO	<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: <u>1.3</u> (uncorrected)	Probe used: <u>Y / (N)</u>		Thermometer ID: <u>IR-3</u>
Temp °C: <u>1.3</u> (corrected)			

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Airbill <u>lot 4</u> Trk # <u>7767 1463 7746</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container	<input type="checkbox"/> Vista	<input checked="" type="checkbox"/> Client	<input type="checkbox"/> Retain
	<input type="checkbox"/> Return	<input type="checkbox"/> Dispose	
Chain of Custody / Sample Documentation Present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Chain of Custody / Sample Documentation Complete?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Logged In:	Date/Time <u>10/16/19 1028</u>	Initials: <u>MWS</u>	Location: <u>WF-2</u>
			Shelf/Rack: <u>D-1</u>
COC Anomaly/Sample Acceptance Form completed?			<input type="checkbox"/>
			<input checked="" type="checkbox"/>
			<input checked="" type="checkbox"/>

Comments:

Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 1903650 TAT std

Samples Arrival:	Date/Time: 10/15/19 0851	Initials: WWS	Location: WR-2
			Shelf/Rack: N/A
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac
		<input type="checkbox"/> GSO	<input type="checkbox"/> DHL
		<input type="checkbox"/> Hand Delivered	<input type="checkbox"/> Other
Preservation:	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Dry Ice
	<input type="checkbox"/> None		
Temp °C: 3.6 (uncorrected)	Probe used: Y / <input checked="" type="checkbox"/> N		Thermometer ID: IR-3
Temp °C: 3.6 (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>4 of 4</u> Trk # <u>7767 1463 8021</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container	<input type="checkbox"/> Vista	<input checked="" type="checkbox"/> Client	<input type="checkbox"/> Retain
			<input checked="" type="checkbox"/> Return
		<input type="checkbox"/> Dispose	
Chain of Custody / Sample Documentation Present? <u>COC present in other codes</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Chain of Custody / Sample Documentation Complete?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

WWS
10/17/19

Logged In:	Date/Time: 10/16/19 1028	Initials: WWS	Location: WF-2
			Shelf/Rack: D-1
COC Anomaly/Sample Acceptance Form completed?			<input type="checkbox"/>
			<input checked="" type="checkbox"/>
			<input checked="" type="checkbox"/>

Comments:

CoC/Label Reconciliation Report WO# 1903650

CoC

LabNumber	CoC Sample ID	Label ID matches COCID	Label ID doesn't match COCID	SampleAlias	Sampled	Label Sampled matches	Sampled doesn't match	Container	Container Correct	BaseMatrix	Sample Comments
1903650-01	A PDI-066SC-B-00-02-191011	<input checked="" type="checkbox"/>		001	11-Oct-19 08:40	<input checked="" type="checkbox"/>		Amber Glass, 120 mL	<input checked="" type="checkbox"/>	Solid	
1903650-02	A PDI-066SC-B-02-04-191011	<input checked="" type="checkbox"/>		002	11-Oct-19 08:40	<input checked="" type="checkbox"/>		Amber Glass, 120 mL	<input checked="" type="checkbox"/>	Solid	
1903650-03	A PDI-066SC-B-04-06-191011	<input checked="" type="checkbox"/>		003	11-Oct-19 08:40	<input checked="" type="checkbox"/>		Amber Glass, 120 mL	<input checked="" type="checkbox"/>	Solid	
1903650-04	A PDI-066SC-B-06-08-191011	<input checked="" type="checkbox"/>		004	11-Oct-19 08:40	<input checked="" type="checkbox"/>		Amber Glass, 120 mL	<input checked="" type="checkbox"/>	Solid	
1903650-05	A PDI-088SC-B-00-02-191011	<input checked="" type="checkbox"/>		005	11-Oct-19 16:08	<input checked="" type="checkbox"/>		Amber Glass, 120 mL	<input checked="" type="checkbox"/>	Solid	
1903650-06	A PDI-088SC-B-02-04-191011	<input checked="" type="checkbox"/>		006	11-Oct-19 16:08	<input checked="" type="checkbox"/>		Amber Glass, 120 mL	<input checked="" type="checkbox"/>	Solid	Dup
1903650-07	A PDI-088SC-B-04-06-191011	<input checked="" type="checkbox"/>		007	11-Oct-19 16:08	<input checked="" type="checkbox"/>		Amber Glass, 120 mL	<input checked="" type="checkbox"/>	Solid	
1903650-08	A PDI-088SC-B-06-08-191011	<input checked="" type="checkbox"/>		008	11-Oct-19 16:08	<input checked="" type="checkbox"/>		Amber Glass, 120 mL	<input checked="" type="checkbox"/>	Solid	
1903650-09	A PDI-1088SC-B-04-06-191011	<input checked="" type="checkbox"/>		009	11-Oct-19 00:00	<input type="checkbox"/>		Amber Glass, 120 mL	<input checked="" type="checkbox"/>	Solid	
1903650-10	A PDI-092SC-B-00-02-191011	<input checked="" type="checkbox"/>		010	11-Oct-19 12:40	<input checked="" type="checkbox"/>		Amber Glass, 120 mL	<input checked="" type="checkbox"/>	Solid	
1903650-11	A PDI-092SC-B-02-04-191011	<input checked="" type="checkbox"/>		011	11-Oct-19 12:40	<input checked="" type="checkbox"/>		Amber Glass, 120 mL	<input checked="" type="checkbox"/>	Solid	
1903650-12	A PDI-092SC-B-04-06-191011	<input checked="" type="checkbox"/>		012	11-Oct-19 12:40	<input checked="" type="checkbox"/>		Amber Glass, 120 mL	<input checked="" type="checkbox"/>	Solid	
1903650-13	A PDI-092SC-B-06-08-191011	<input checked="" type="checkbox"/>		013	11-Oct-19 12:40	<input checked="" type="checkbox"/>		Amber Glass, 120 mL	<input checked="" type="checkbox"/>	Solid	

	Yes	No	NA
Sample Container Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample Custody Seals Intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Adequate Sample Volume?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Preservation Documented: Na2S2O3 Trizma None Other	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If Chlorinated or Drinking Water Samples, Acceptable Preservation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments: * time on sample bottle says "16:08"

"4" = cooler 4
"1" = cooler 1

Verified by/Date: * _____

KE 10/17/19

** ajm signing for HDG 10/18/19*

EXTRACTION INFORMATION

Process Sheet

Workorder: 1903650

Prep Expiration: 2020-10-10
Client: Anchor QEA, LLC

Workorder Due: 03-Jan-20 00:00

TAT: 80

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

Prep Batch: BOA0018

Prep Data Entered: ME 01/09/2020
Date and Initials

Initial Sequence: SOA0063

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
1903650-01 A	<input checked="" type="checkbox"/>	PDI-066SC-B-00-02-191011	15-Oct-19 08:51	WF-2 D-1	
1903650-02	<input checked="" type="checkbox"/>	PDI-066SC-B-02-04-191011	15-Oct-19 08:51	WF-2 D-1	
1903650-03	<input checked="" type="checkbox"/>	PDI-066SC-B-04-06-191011	15-Oct-19 08:51	WF-2 D-1	
1903650-04	<input checked="" type="checkbox"/>	PDI-066SC-B-06-08-191011	15-Oct-19 08:51	WF-2 D-1	
1903650-05	<input checked="" type="checkbox"/>	PDI-088SC-B-00-02-191011	15-Oct-19 08:51	WF-2 D-1	
1903650-06	<input checked="" type="checkbox"/>	PDI-088SC-B-02-04-191011	15-Oct-19 08:51	WF-2 D-1	Dup
1903650-07	<input checked="" type="checkbox"/>	PDI-088SC-B-04-06-191011	15-Oct-19 08:51	WF-2 D-1	
1903650-08	<input checked="" type="checkbox"/>	PDI-088SC-B-06-08-191011	15-Oct-19 08:51	WF-2 D-1	
1903650-09	<input checked="" type="checkbox"/>	PDI-1088SC-B-04-06-191011	15-Oct-19 08:51	WF-2 D-1	
1903650-10	<input checked="" type="checkbox"/>	PDI-092SC-B-00-02-191011	15-Oct-19 08:51	WF-2 D-1	
1903650-11	<input checked="" type="checkbox"/>	PDI-092SC-B-02-04-191011	15-Oct-19 08:51	WF-2 D-1	
1903650-12	<input checked="" type="checkbox"/>	PDI-092SC-B-04-06-191011	15-Oct-19 08:51	WF-2 D-1	
1903650-13	<input checked="" type="checkbox"/>	PDI-092SC-B-06-08-191011	15-Oct-19 08:51	WF-2 D-1	

WO Comments: ~~Best dry extraction (dry weight)~~

Dioxin - 10g (dry weight)

~~Best dry extraction (dry weight)~~

Pre-Prep Check Out: AZ 12/31/19

Prep Check Out: TL 01/07/20

Prep Reconciled Initials/Date: AZ 12/31/19

Pre-Prep Check In: AZ 12/31/19

Prep Check In: TL 01/07/20

Spike Reconciled Initials/Date: TL 01/07/20

VialBoxID: IKEA

PREPARATION BENCH SHEET

Matrix: Solid

B0A0018

Chemist: TL

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 06-Jan-20 06:10

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"/>	B0A0018-BLK1	NA	(10.00)	TL 01/07/20	TL 01/08/20	TL 01/08/20	TL 01/09/20	TL 01/09/20	TL 01/09/20	TL 01/09/20
<input type="checkbox"/>	B0A0018-BS1	↓	(10.00)							
<input type="checkbox"/>	B0A0018-DUP1 1903650-06 (2)	16.95	17.02							
<input type="checkbox"/>	B0A0018-DUP2 1904313-01	42.29	42.46							
<input type="checkbox"/>	1903650-01	20.00	20.04							
<input type="checkbox"/>	1903650-02	18.54	18.62							
<input type="checkbox"/>	1903650-03	17.40	17.42							
<input type="checkbox"/>	1903650-04	17.39	17.42							
<input type="checkbox"/>	1903650-05	18.61	18.64							
<input type="checkbox"/>	1903650-06	16.95	16.96						TL 01/09/20	
<input type="checkbox"/>	1903650-07	17.37	17.43							
<input type="checkbox"/>	1903650-08	16.66	16.73							
<input type="checkbox"/>	1903650-09	17.36	17.44							
<input type="checkbox"/>	1903650-10	19.58	19.64							
<input type="checkbox"/>	1903650-11	19.52	19.53							

IS Name <u>V7</u>	NS Name <u>V5</u>	CRS Name <u>V5</u>	RS Name <u>V5</u>	Cycle Time	APP: SEFUN SOX <u>SDS</u>	Check Out:
PCDD/F <u>19L 230, 10ul</u>	PCDD/F <u>18F 113, 10ul</u>	PCDD/F <u>19I 1602, 10ul</u>	PCDD/F <u>19I 1603, 10ul</u>	Start Date/Time <u>01/07/20 13:34</u>	SOLV: <u>Toluene</u>	Chemist/Date: <u>TL 01/07/20</u>
PCB _____	PCB _____	PCB _____	PCB _____	Stop Date/Time <u>01/08/20 06:00</u>	Other <u>NA</u>	Check In: Chemist/Date: <u>TL 01/07/20</u>
PAH _____	PAH _____	PAH _____	PAH _____	Final Volume(s) <u>C14</u>		Balance ID: <u>HRMS-8</u>
					<u>20ul</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

PREPARATION BENCH SHEET

Matrix: Solid

B0A0018

Chemist: TL

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 06-Jan-20 06:10

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"/>	1903650-12	17.80	17.80	TL 01/07/20	TL 01/08/20	BUB 01/08/20	AO 01/09/20	AO 01/09/20	AO 01/09/20	AO 01/09/20
<input type="checkbox"/>	1903650-13	16.13	16.18	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	1904313-01	42.29	42.39	↓	↓	↓	↓	↓	↓	↓

② TL 01/09/20

IS Name <u>V7</u>	NS Name <u>V9</u>	CRS Name <u>V5</u>	RS Name <u>V5</u>	Cycle Time	APP: SEFUN SOX <u>SDS</u>	Check Out: Chemist/Date: <u>TL 01/07/20</u>
PCDD/F <u>19L2301, 10mL</u>	PCDD/F <u>18F1913 10mL</u>	PCDD/F <u>19E1602, 10mL</u>	PCDD/F <u>19I1603, 10mL</u>	Start Date/Time <u>01/07/20 1534</u>	SOLV: <u>Toluene</u>	Check In: Chemist/Date: <u>TL 01/07/20</u>
PCB _____	PCB _____	PCB _____	PCB _____	Stop Date/Time <u>01/08/20 0600</u>	Other <u>NA</u>	Balance ID: <u>HRMS-8</u>
PAH _____	PAH _____	PAH _____	PAH _____	Final Volume(s) <u>614 20mL</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

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B9L0067

Analyst: AZ Analyte: Dried at 110°C±5°C Oven ID: 01 <u>02</u>	Test Code: %Moist/%Solids Units: %	Data Entry Verified by: (Initial and Date) <u>JL 01/21/20</u>
--	---	--

Inst HRMS-8 Date/Time IN: 12/31/19 1100 Date/Time OUT: 01/02/20 1443

B	C	D	E		F	G	H	I	K	L	M	N	O	P
Particle Size	SampleID	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)	AZ 12/31/19										
	1903650-01	A	Sample	1.2900	10.3700	5.8300	4.5400	50.00	MUD	NA	NA	NA	NA	Y
	1903650-02	A	Sample	1.2900	8.3000	5.0700	3.7800	53.92	MUD	NA	NA	NA	NA	Y
	1903650-03	A	Sample	1.2800	6.5000	4.2800	3.0000	57.47	MUD	NA	NA	NA	NA	Y
	1903650-04	A	Sample	1.2900	7.2900	4.7400	3.4500	57.50	MUD	NA	NA	NA	NA	Y
	1903650-05	A	Sample	1.2700	7.1500	4.4300	3.1600	53.74	MUD	NA	NA	NA	NA	Y
	1903650-06	A	Sample	1.2800	10.0100	6.4300	5.1500	58.99	MUD	NA	NA	NA	NA	Y
	1903650-07	A	Sample	1.3100	8.0400	5.1800	3.8700	57.50	MUD	NA	NA	NA	NA	Y
	1903650-08	A	Sample	1.2900	8.5700	5.6600	4.3700	60.03	MUD	NA	NA	NA	NA	Y
	1903650-09	A	Sample	1.2700	7.5200	4.8700	3.6000	57.60	MUD	NA	NA	NA	NA	Y
	1903650-10	A	Sample	1.3000	10.6600	6.0800	4.7800	51.07	MUD	NA	NA	NA	NA	Y
	1903650-11	A	Sample	1.2900	7.7300	4.5900	3.3000	51.24	MUD	NA	NA	NA	NA	Y
	1903650-12	A	Sample	1.2800	7.0100	4.5000	3.2200	56.20	MUD	NA	NA	NA	NA	Y
	1903650-13	A	Sample	1.2800	7.2000	4.9500	3.6700	61.99	MUD	NA	NA	NA	NA	Y

*Sample homogenized in sample container unless otherwise noted.

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B9L0067

Analyst: AZ	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) <u>NA</u>
Analyte: Dried at 110°C±5°C	Units: %	
Oven ID: 01 02		

Inst **HRMS-8** Date/Time IN: **12/31/19** Date/Time OUT: **01/02/20**
 1100 1443

B		C	D	E		F	G	H	I	K	L	M	N	O	P	
Particle Size	SampleID	SampType	Initial and Date:		AZ 12/30/19		ZL 01/02/20		Dry Sample Weight (g)	%Solids RawVal	AZ 12/30/19				AZ 12/30/19	
			Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Visual Inspection	Cl-	pH Before			pH After	Acid Added	Sample Homogenized*			
	1903650-01	A	Sample	1.29	10.37	5.83				Mud					Y	
	1903650-02	T	Sample	1.29	8.30	5.07				Mud					Y	
	1903650-03		Sample	1.28	6.50	4.28				Mud					Y	
	1903650-04		Sample	1.29	7.29	4.74				Mud					Y	
	1903650-05		Sample	1.27	7.15	4.43				Mud					Y	
	1903650-06		Sample	1.28	10.01	6.43				Mud					Y	
	1903650-07		Sample	1.31	8.04	5.18				Mud			NA		Y	
	1903650-08		Sample	1.29	8.57	5.66				Mud					Y	
	1903650-09		Sample	1.27	7.52	4.87				Mud					Y	
	1903650-10		Sample	1.30	10.66	6.08				Mud					Y	
	1903650-11		Sample	1.29	7.73	4.59				Mud					Y	
	1903650-12		Sample	1.28	7.01	4.50				Mud					Y	
	1903650-13	↓	Sample	1.28	7.20	4.95				Mud					Y	

*Sample homogenized in sample container unless otherwise noted.

Batch: B0A0018

Matrix: Solid

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1903650-01	20.04 ✓	50	10.0200	20 ✓	06-Jan-20 06:10	TL ✓			Sediment	1613 Full List
1903650-02	18.62 ✓	53.92297	10.0405	20	06-Jan-20 06:10	TL			Sediment	1613 Full List
1903650-03	17.42 ✓	57.47127	10.0115	20	06-Jan-20 06:10	TL			Sediment	1613 Full List
1903650-04	17.42 ✓	57.5	10.0165	20	06-Jan-20 06:10	TL			Sediment	1613 Full List
1903650-05	18.64 ✓	53.74149	10.0174	20	06-Jan-20 06:10	TL			Sediment	1613 Full List
1903650-06	16.96 ✓	58.99198	10.0050	20	06-Jan-20 06:10	TL			Sediment	1613 Full List
1903650-07	17.43 ✓	57.50371	10.0229	20	06-Jan-20 06:10	TL			Sediment	1613 Full List
1903650-08	16.73 ✓	60.02747	10.0426	20	06-Jan-20 06:10	TL			Sediment	1613 Full List
1903650-09	17.44 ✓	57.6	10.0454	20	06-Jan-20 06:10	TL			Sediment	1613 Full List
1903650-10	19.64 ✓	51.06837	10.0298	20	06-Jan-20 06:10	TL			Sediment	1613 Full List
1903650-11	19.53 ✓	51.24224	10.0076	20	06-Jan-20 06:10	TL			Sediment	1613 Full List
1903650-12	17.8 ✓	56.19546	10.0028	20	06-Jan-20 06:10	TL			Sediment	1613 Full List
1903650-13	16.18 ✓	61.99324	10.0305	20	06-Jan-20 06:10	TL			Sediment	1613 Full List
1904313-01	42.39 ✓	23.64865	10.0247	20	06-Jan-20 06:10	TL			Sediment	1613 Full List
B0A0018-BLK1	10 ✓			20	06-Jan-20 06:10	TL				QC
B0A0018-BS1	10 ✓			20	06-Jan-20 06:10	TL	18F1913 ✓	10 ✓		QC
B0A0018-DUP1	17.02 ✓			20	06-Jan-20 06:10	TL				QC
B0A0018-DUP2	42.46 ✓			20 ↓	06-Jan-20 06:10 ↓	TL ↓				QC

All bolded data on report verified against written benchsheet by (initial/date) ME 01/09/2020

Printed: 1/9/2020 12:51:01PM
Page 1 of 1

SAMPLE DATA – EPA METHOD 1613

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-4.qld

Last Altered: Monday, February 03, 2020 12:36:36 PM Pacific Standard Time

Printed: Monday, February 03, 2020 1:24:23 PM Pacific Standard Time

HLN 01/24/2020

02/12/2020

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_4, Date: 29-Jan-2020, Time: 17:36:49, ID: B0A0018-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	0.943	10.000	26.107		1.001				0.271	
2	2 1,2,3,7,8-PeCDD			NO	0.897	10.000	31.250		1.001				0.223	
3	3 1,2,3,4,7,8-HxCDD			NO	1.17	10.000	34.602		1.000				0.207	
4	4 1,2,3,6,7,8-HxCDD			NO	1.01	10.000	34.691		1.000				0.203	
5	5 1,2,3,7,8,9-HxCDD			NO	0.982	10.000	35.000		1.001				0.239	
6	6 1,2,3,4,6,7,8-HpCDD			NO	1.06	10.000	38.455		1.000				0.369	
7	7 OCDD			NO	1.04	10.000	41.681		1.000				0.556	
8	8 2,3,7,8-TCDF			NO	0.970	10.000	25.107		1.001				0.142	
9	9 1,2,3,7,8-PeCDF			NO	0.958	10.000	29.941		1.001				0.116	
10	10 2,3,4,7,8-PeCDF			NO	1.01	10.000	30.958		1.001				0.114	
11	11 1,2,3,4,7,8-HxCDF			NO	1.16	10.000	33.725		1.000				0.133	
12	12 1,2,3,6,7,8-HxCDF			NO	1.14	10.000	33.856		1.000				0.123	
13	13 2,3,4,6,7,8-HxCDF			NO	1.21	10.000	34.451		1.001				0.136	
14	14 1,2,3,7,8,9-HxCDF			NO	1.13	10.000	35.306		1.000				0.208	
15	15 1,2,3,4,6,7,8-HpCDF			NO	1.19	10.000	37.065		1.001				0.147	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.39	10.000	39.069		1.000				0.193	
17	17 OCDF			NO	1.06	10.000	41.879		1.000				0.370	
18	18 13C-2,3,7,8-TCDD	1.98e5	0.77	NO	1.17	10.000	26.068	26.08	1.027	1.028	133.55	66.8	0.648	
19	19 13C-1,2,3,7,8-PeCDD	1.23e5	0.62	NO	0.773	10.000	31.247	31.23	1.232	1.231	126.11	63.1	1.02	
20	20 13C-1,2,3,4,7,8-HxCDD	7.71e4	1.25	NO	0.600	10.000	34.580	34.59	1.014	1.014	118.70	59.3	1.18	
21	21 13C-1,2,3,6,7,8-HxCDD	9.95e4	1.26	NO	0.763	10.000	34.679	34.69	1.017	1.017	120.46	60.2	0.927	
22	22 13C-1,2,3,7,8,9-HxCDD	9.21e4	1.27	NO	0.676	10.000	34.952	34.97	1.025	1.025	125.84	62.9	1.05	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.43e4	1.11	NO	0.455	10.000	38.445	38.44	1.127	1.127	130.63	65.3	1.54	
24	24 13C-OCDD	1.10e5	0.92	NO	0.371	10.000	41.671	41.68	1.222	1.222	274.69	68.7	2.23	
25	25 13C-2,3,7,8-TCDF	3.03e5	0.76	NO	1.07	10.000	25.084	25.08	0.989	0.989	125.66	62.8	0.822	
26	26 13C-1,2,3,7,8-PeCDF	2.05e5	1.61	NO	0.765	10.000	29.935	29.92	1.180	1.179	118.58	59.3	1.08	
27	27 13C-2,3,4,7,8-PeCDF	1.98e5	1.68	NO	0.726	10.000	30.945	30.93	1.220	1.219	120.77	60.4	1.14	
28	28 13C-1,2,3,4,7,8-HxCDF	1.31e5	0.50	NO	0.965	10.000	33.720	33.72	0.989	0.989	125.76	62.9	1.51	
29	29 13C-1,2,3,6,7,8-HxCDF	1.48e5	0.51	NO	1.09	10.000	33.836	33.85	0.992	0.992	124.98	62.5	1.33	
30	30 13C-2,3,4,6,7,8-HxCDF	1.32e5	0.52	NO	0.984	10.000	34.409	34.42	1.009	1.009	123.58	61.8	1.48	

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-4.qld

Last Altered: Monday, February 03, 2020 12:36:36 PM Pacific Standard Time

Printed: Monday, February 03, 2020 1:24:23 PM Pacific Standard Time

Name: 200129K1_4, Date: 29-Jan-2020, Time: 17:36:49, ID: B0A0018-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
31	31 13C-1,2,3,7,8,9-HxCDF	1.04e5	0.53	NO	0.790	10.000	35.310	35.31	1.035	1.035	121.79	60.9	1.84	
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.01e5	0.44	NO	0.734	10.000	37.022	37.03	1.085	1.086	126.60	63.3	1.33	
33	33 13C-1,2,3,4,7,8,9-HpCDF	5.89e4	0.44	NO	0.459	10.000	39.045	39.07	1.145	1.145	118.69	59.3	2.13	
34	34 13C-OCDF	1.44e5	0.90	NO	0.500	10.000	41.907	41.88	1.229	1.228	265.39	66.3	1.75	
35	35 37Cl-2,3,7,8-TCDD	8.45e4			1.12	10.000	26.089	26.09	1.028	1.028	59.607	74.5	0.139	
36	36 13C-1,2,3,4-TCDD	2.52e5	0.80	NO	1.00	10.000	25.360	25.37	1.000	1.000	200.00	100	0.761	
37	37 13C-1,2,3,4-TCDF	4.51e5	0.77	NO	1.00	10.000	23.430	23.46	1.000	1.000	200.00	100	0.878	
38	38 13C-1,2,3,4,6,9-HxCDF	2.16e5	0.50	NO	1.00	10.000	34.100	34.11	1.000	1.000	200.00	100	1.45	
39	39 Total Tetra-Dioxins				0.943	10.000	24.620		0.000				0.166	
40	40 Total Penta-Dioxins				0.897	10.000	29.960		0.000				0.0979	
41	41 Total Hexa-Dioxins				1.01	10.000	33.635		0.000				0.119	
42	42 Total Hepta-Dioxins				1.06	10.000	38.800		0.000				0.225	
43	43 Total Tetra-Furans				0.970	10.000	23.610		0.000				0.0612	
44	44 1st Func. Penta-Furans				0.958	10.000	27.040		0.000				0.0481	
45	45 Total Penta-Furans				0.958	10.000	29.275		0.000				0.0531	
46	46 Total Hexa-Furans				1.21	10.000	33.555		0.000				0.0846	
47	47 Total Hepta-Furans				1.19	10.000	37.835		0.000				0.0967	

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-4.qld

Last Altered: Monday, February 03, 2020 12:36:36 PM Pacific Standard Time

Printed: Monday, February 03, 2020 1:24:23 PM Pacific Standard Time

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_4, Date: 29-Jan-2020, Time: 17:36:49, ID: B0A0018-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:\WG11.PRO\Results\200129K1\200129K1-4.qld

Last Altered: Monday, February 03, 2020 12:36:36 PM Pacific Standard Time

Printed: Monday, February 03, 2020 1:24:23 PM Pacific Standard Time

Name: 200129K1_4, Date: 29-Jan-2020, Time: 17:36:49, ID: B0A0018-BLK1 Method Blank 10, Description: Method Blank

Penta-Furans

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

Hexa-Furans

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

Hepta-Furans

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

Dataset: Untitled

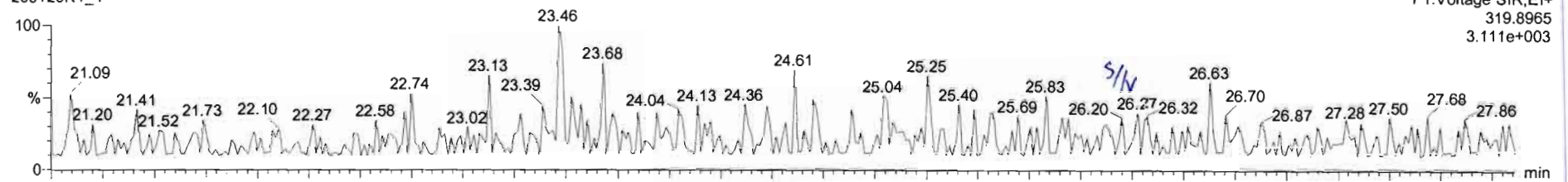
Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time

Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

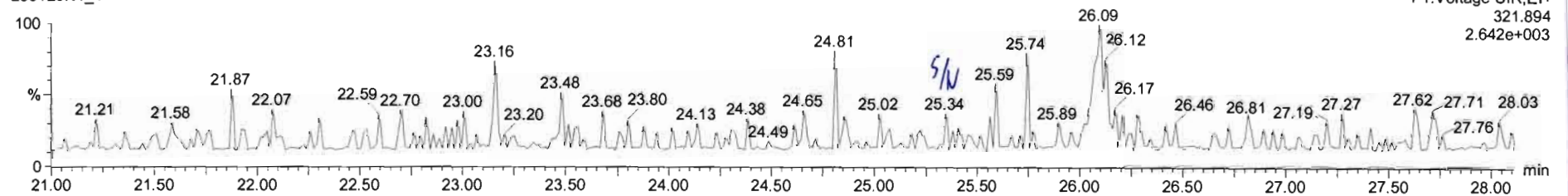
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2,3,7,8-TCDD

200129K1_4

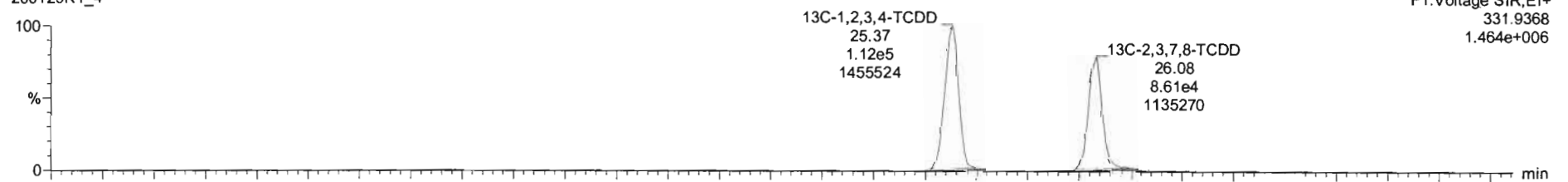


200129K1_4

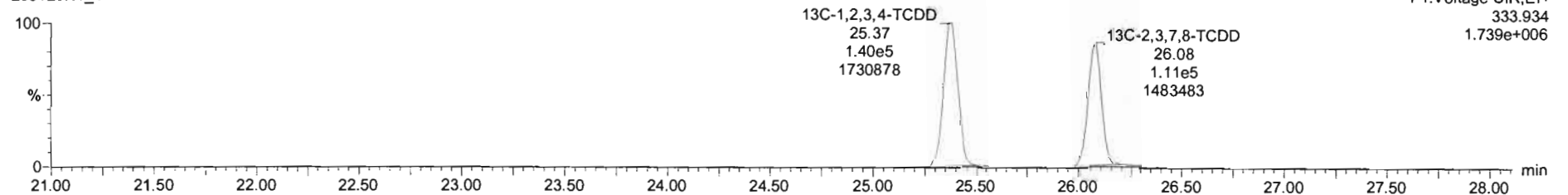


13C-2,3,7,8-TCDD

200129K1_4



200129K1_4



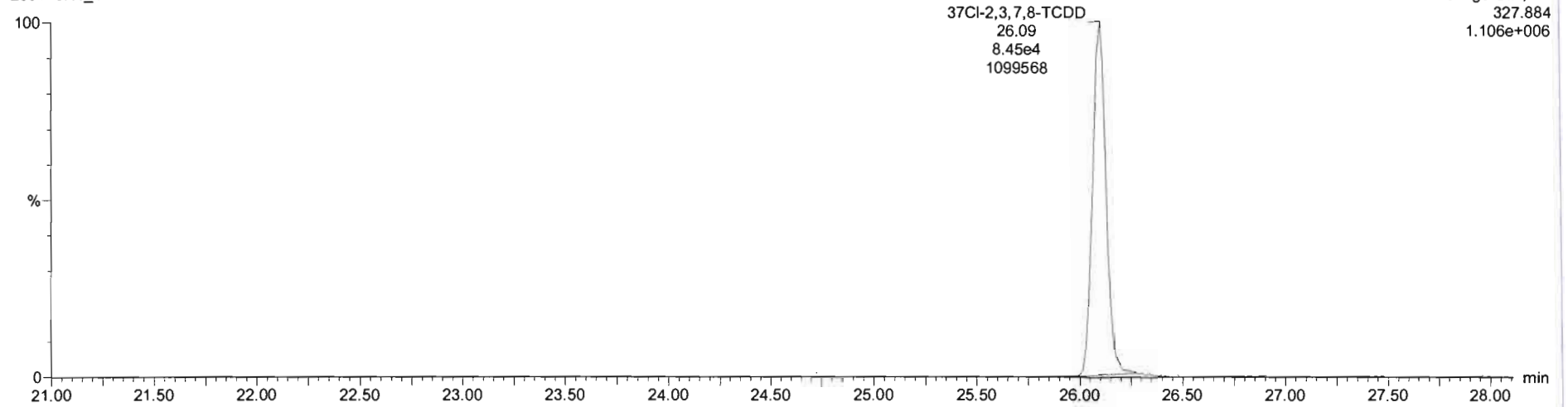
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Name: 200129K1_4, Date: 29-Jan-2020, Time: 17:36:49, ID: B0A0018-BLK1 Method Blank 10, Description: Method Blank

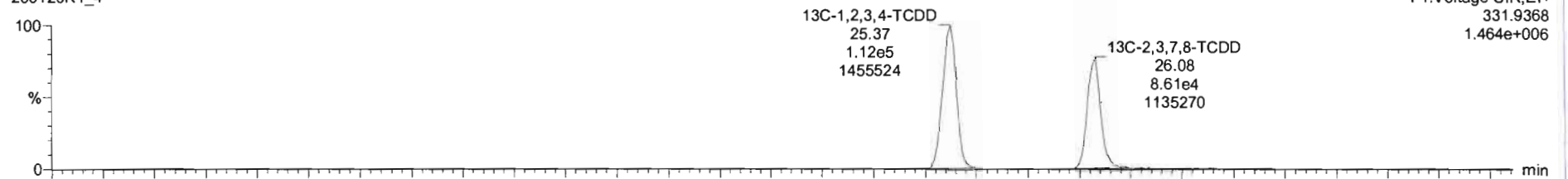
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200129K1_4

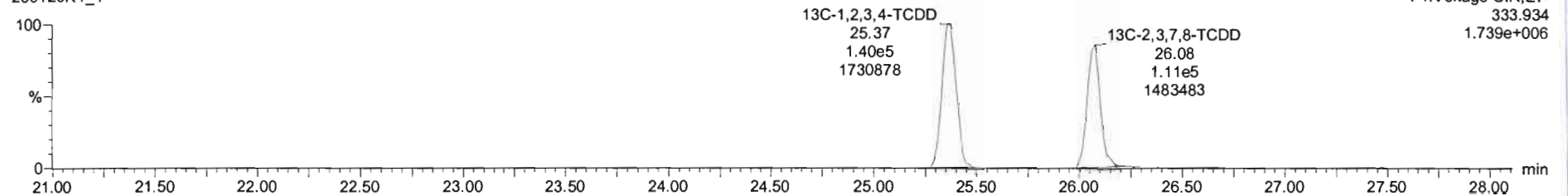


13C-1,2,3,4-TCDD

200129K1_4



200129K1_4



Dataset: Untitled

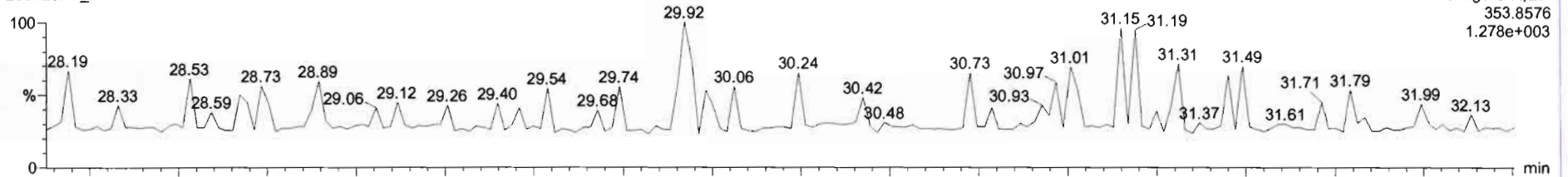
Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time

Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

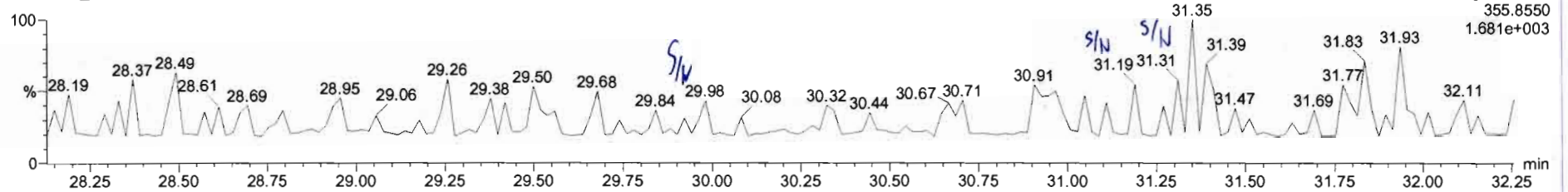
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1,2,3,7,8-PeCDD

200129K1_4

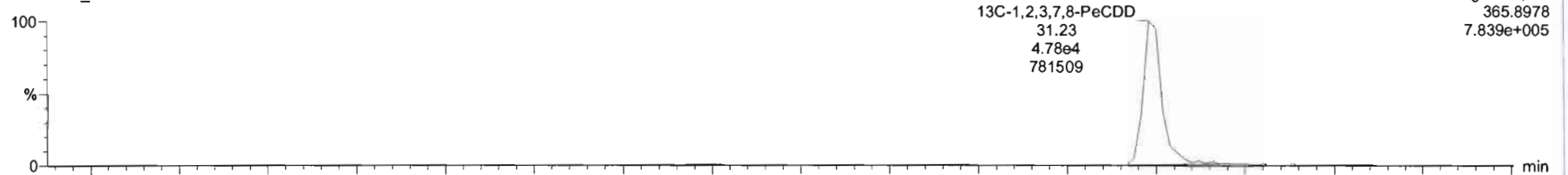


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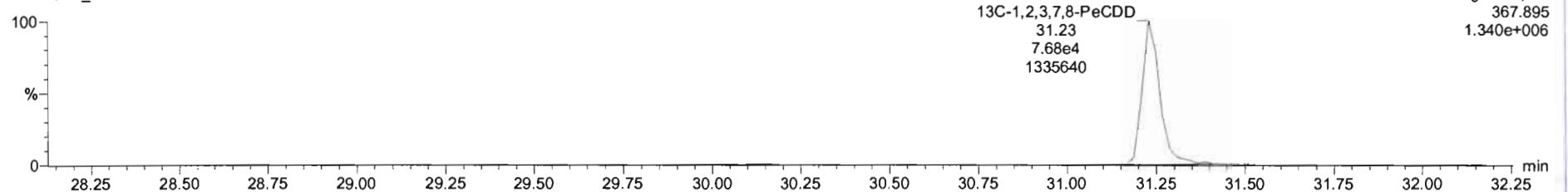


13C-1,2,3,7,8-PeCDD

200129K1_4

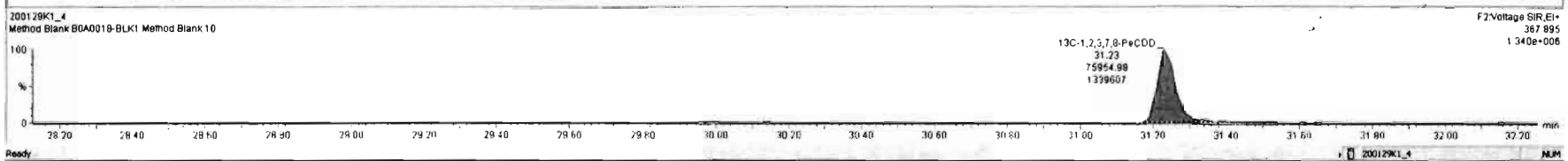
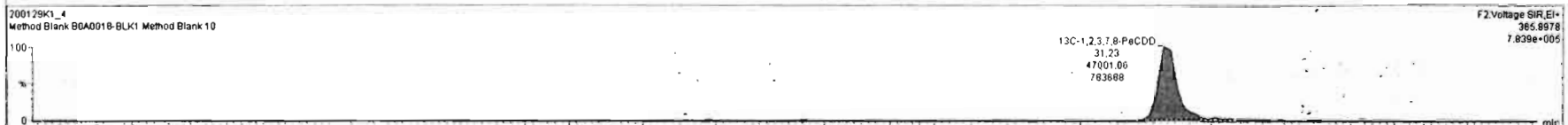
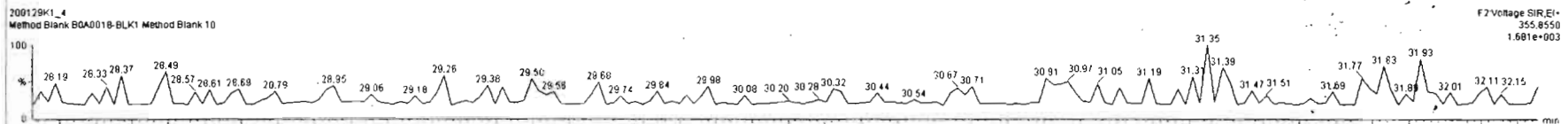
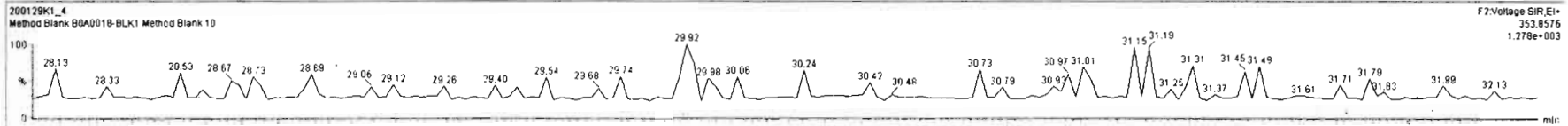


200129K1_4



200129K1_4 - B0A0018-BLK1 Method Blank 10 - Method Blank

Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
32 13C-1,2,3,4,6,7,8-HpCDF	1.05e5	0.44	NO	0.7335	10.000	37.03	1.066	130	65.0	1.32	
33 13C-1,2,3,4,7,8,9-HpCDF	6.45e4	0.42	NO	0.4587	10.000	39.07	1.145	126	64.1	2.11	
34 13C-OCDF	1.57e5	0.89	NO	0.5033	10.000	41.88	1.228	286	71.6	1.74	
35 37Cl-2,3,7,8-TCDD	8.45e4			1.1244	10.000	26.09	1.028	59.6	74.5	0.139	
36 13C-1,2,3,4-TCDD	2.52e5	0.80	NO	1.0000	10.000	25.37	1.000	200	100	0.761	
37 13C-1,2,3,4-TCDF	4.51e5	0.77	NO	1.0000	10.000	23.48	1.000	200	100	0.878	
38 13C-1,2,3,4,6,9-HxCDF	2.19e5	0.49	NO	1.0000	10.000	34.11	1.000	200	100	1.45	
39 Total Tetra-Dioxins				0.9431	10.000					0.166	
40 Total Penta-Dioxins				0.8974	10.000					0.0679	
41 Total Hexa-Dioxins				1.0068	10.000					0.120	
42 Total Hepta-Dioxins				1.0622	10.000					0.225	
43 Total Tetra-Furans				0.9700	10.000					0.0614	
44 1st Func. Penta-Furans				0.9580	10.000					0.0481	
45 Total Penta-Furans				0.9580	10.000					0.0531	



Dataset: Untitled

Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time

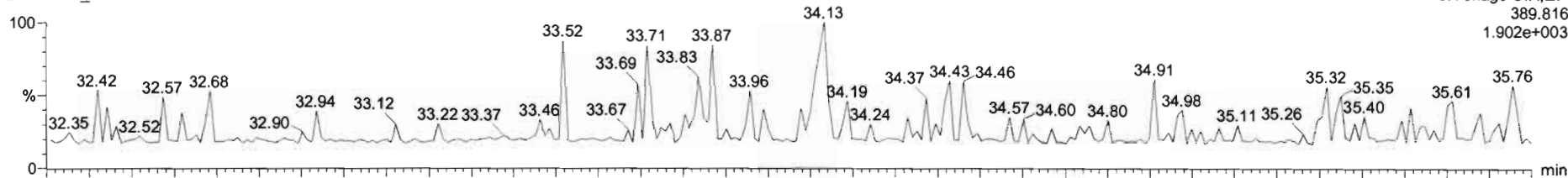
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Name: 200129K1_4, Date: 29-Jan-2020, Time: 17:36:49, ID: B0A0018-BLK1 Method Blank 10, Description: Method Blank

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

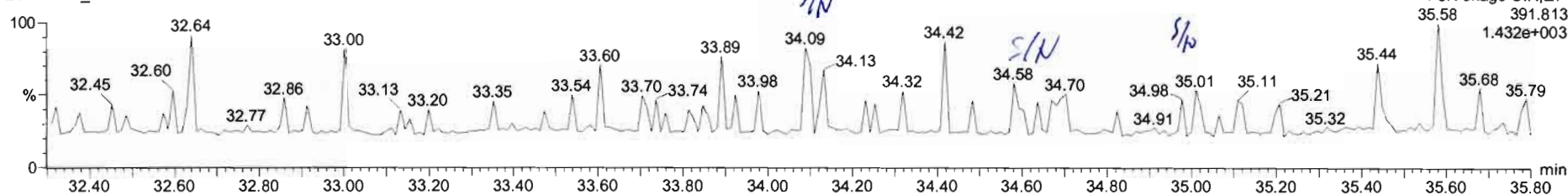
200129K1_4

F3:Voltage SIR,EI+
389.816
1.902e+003



200129K1_4

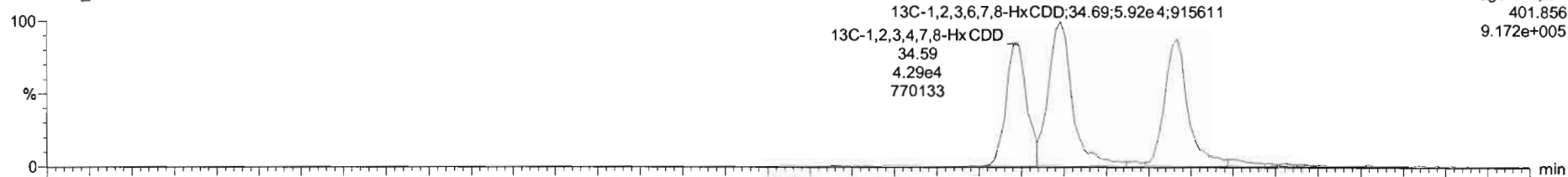
F3:Voltage SIR,EI+
391.813
1.432e+003



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

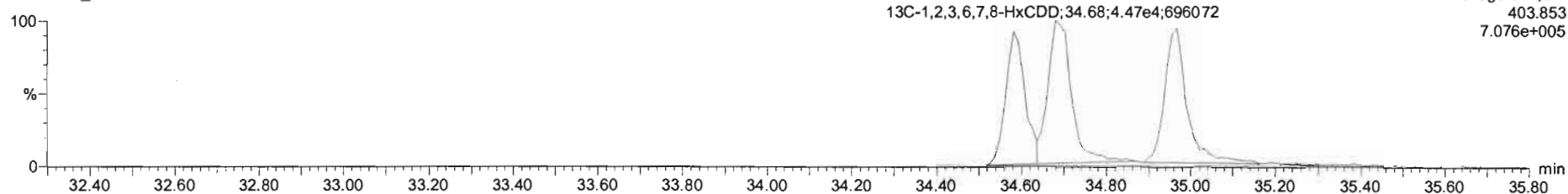
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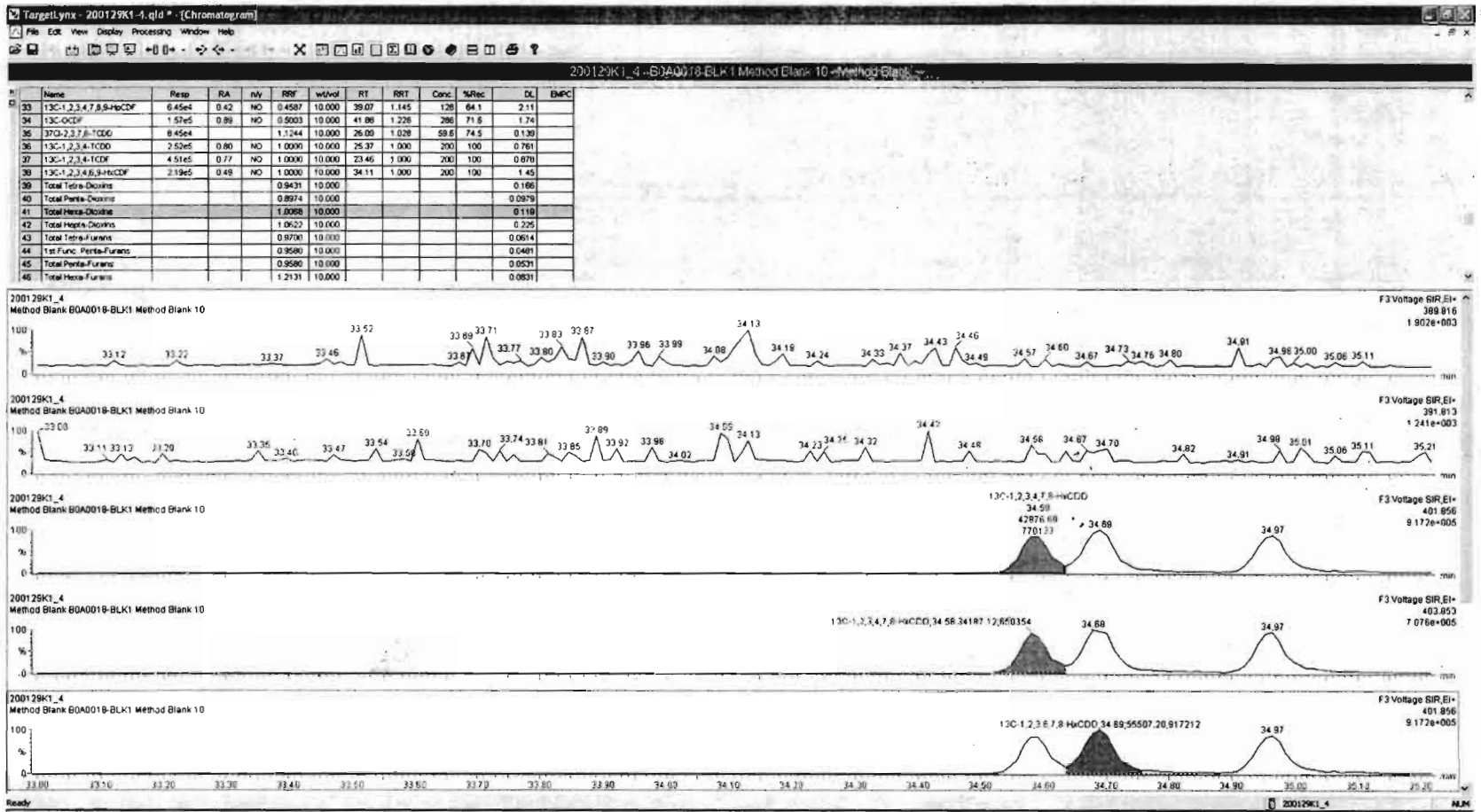
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401.856
9.172e+005



200129K1_4

F3:Voltage SIR,EI+
403.853
7.076e+005





Dataset: Untitled

Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time

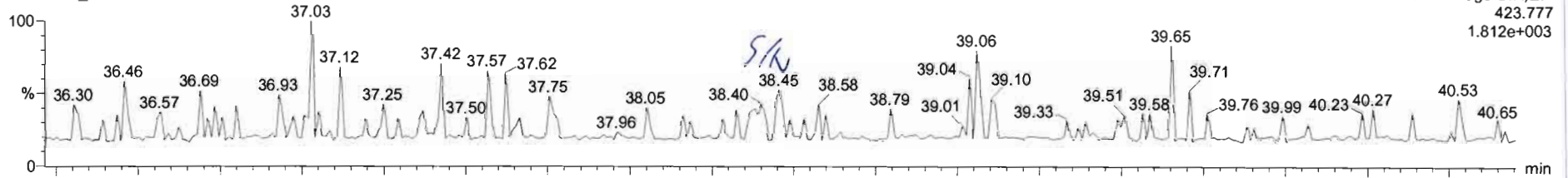
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Name: 200129K1_4, Date: 29-Jan-2020, Time: 17:36:49, ID: B0A0018-BLK1 Method Blank 10, Description: Method Blank

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

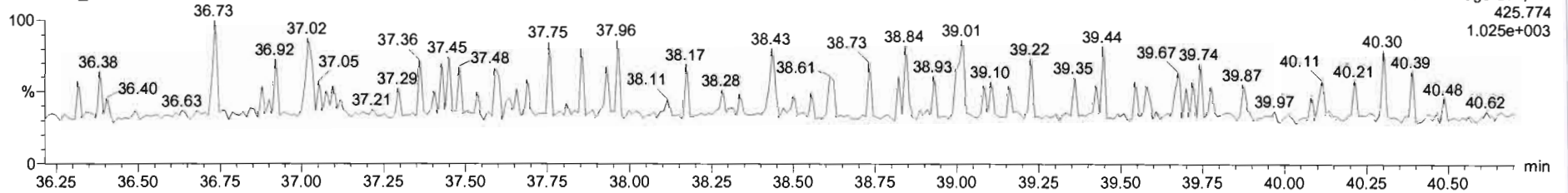
200129K1_4

F4:Voltage SIR,EI+
423.777
1.812e+003



200129K1_4

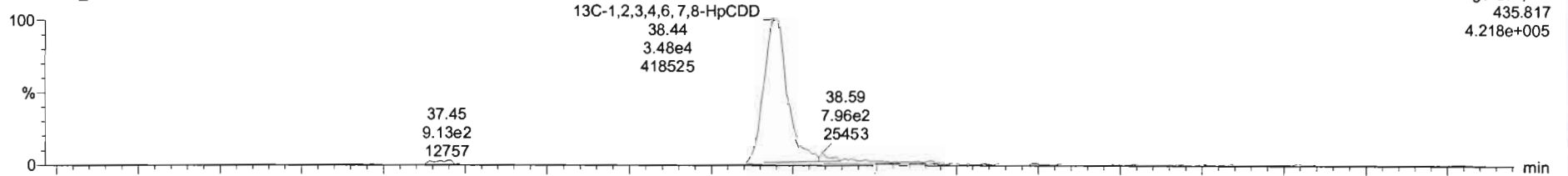
F4:Voltage SIR,EI+
425.774
1.025e+003



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

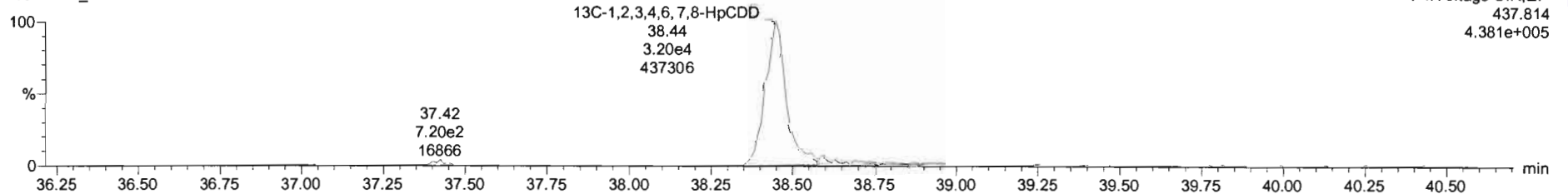
200129K1_4

F4:Voltage SIR,EI+
435.817
4.218e+005

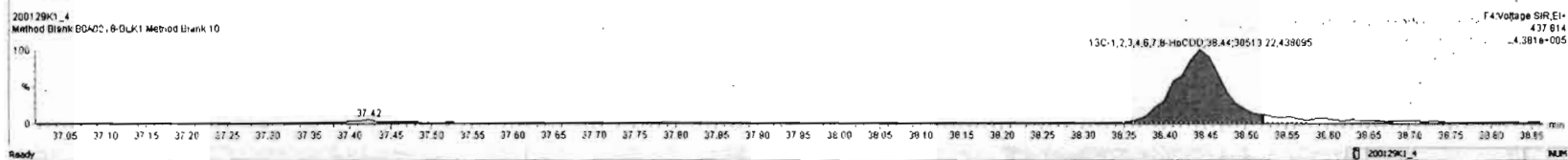
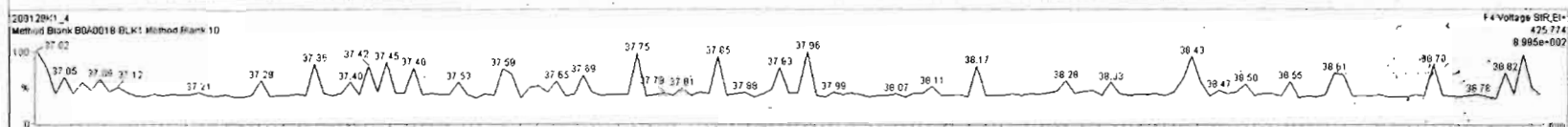
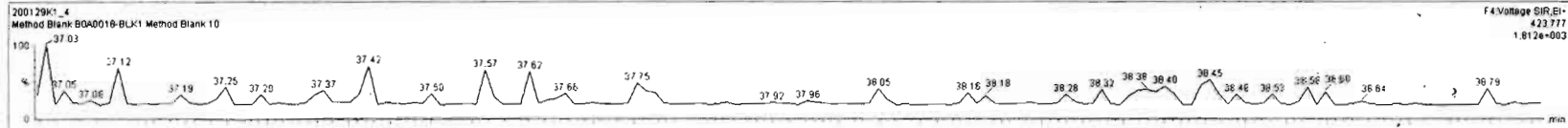


200129K1_4

F4:Voltage SIR,EI+
437.814
4.381e+005



Name	Resp	RA	rvy	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
33 13C-1,2,3,4,7,8,9-HpCDF	6.45e4	0.42	NO	0.4587	10.000	39.07	1.145	126	84.1	2.11	
34 13C-OCDF	1.57e5	0.89	NO	0.5003	10.000	41.88	1.228	286	71.5	1.74	
35 13C-1,2,3,8-TCDF	8.45e4			1.1244	10.000	38.09	1.028	59.6	74.5	0.136	
36 13C-1,2,3,4-TCDF	2.24e5	0.80	NO	1.0000	10.000	25.37	1.000	200	100	0.761	
37 13C-1,2,3,4,7,8-TCDF	4.51e5	0.77	NO	1.0000	10.000	23.46	1.000	200	100	0.679	
38 13C-1,2,3,4,6,9-HxCDF	2.19e5	0.49	NO	1.0000	10.000	34.11	1.000	200	100	1.45	
39 Total Tetra-Dioxins				0.9431	10.000					0.166	
40 Total Penta-Dioxins				0.8674	10.000					0.0979	
41 Total Hexa-Dioxins				1.0069	10.000					0.116	
42 Total Hepta-Dioxins				1.0622	10.000					0.225	
43 Total Tetra-Furans				0.9700	10.000					0.0614	
44 1st Func. Penta-Furans				0.9590	10.000					0.0481	
45 Total Penta-Furans				0.9590	10.000					0.0521	
46 Total Hexa-Furans				1.2131	10.000					0.0931	



Dataset: Untitled

Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time

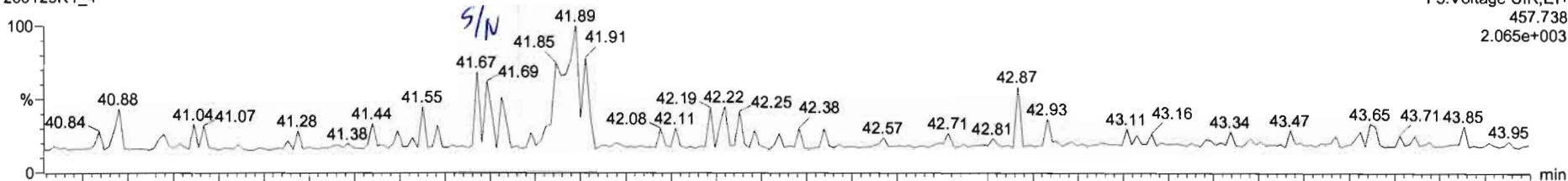
Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_4, Date: 29-Jan-2020, Time: 17:36:49, ID: B0A0018-BLK1 Method Blank 10, Description: Method Blank

OCDD

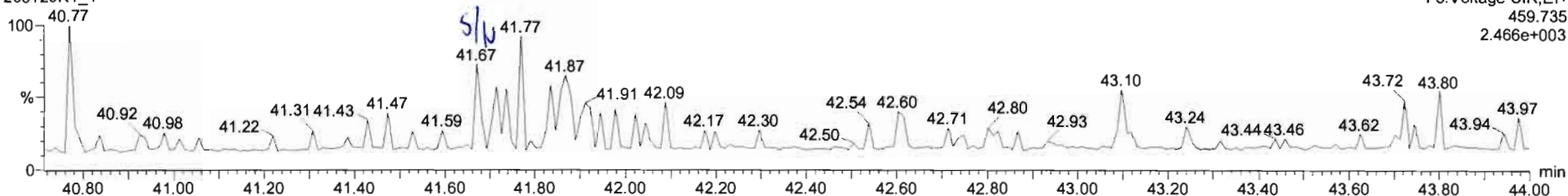
200129K1_4

F5:Voltage SIR,EI+
457.738
2.065e+003



200129K1_4

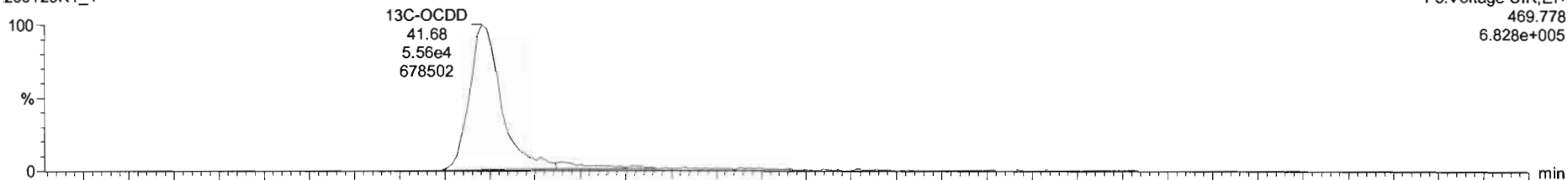
F5:Voltage SIR,EI+
459.735
2.466e+003



13C-OCDD

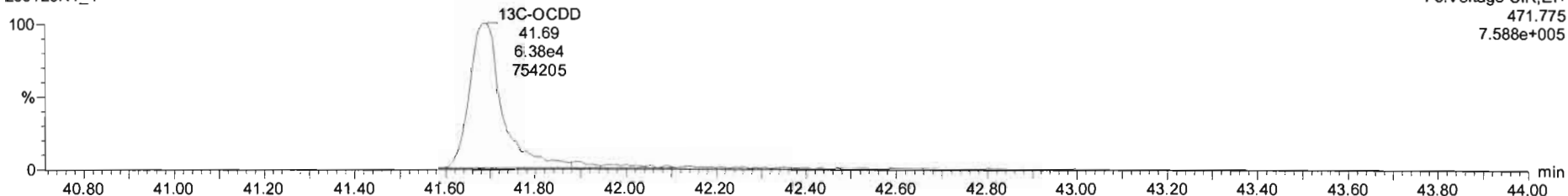
200129K1_4

F5:Voltage SIR,EI+
469.778
6.828e+005



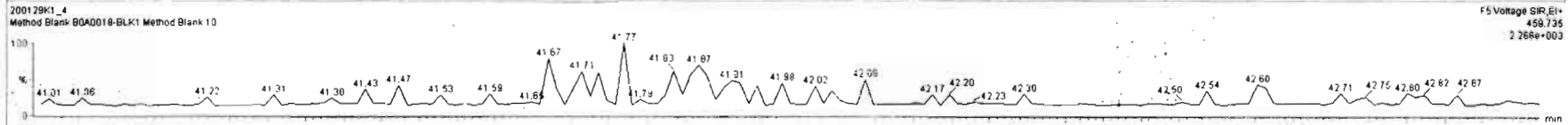
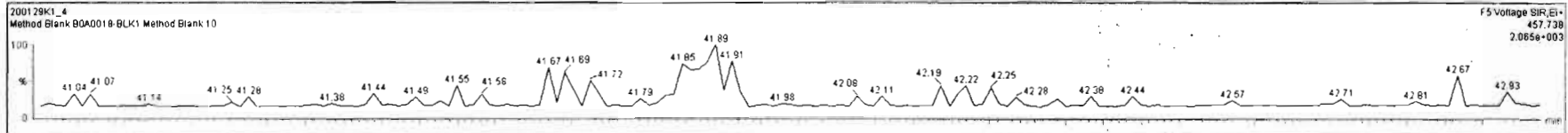
200129K1_4

F5:Voltage SIR,EI+
471.775
7.588e+005



200129K1_4 - BVA0016-BLK1 Method Blank 10 - Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
5	1,2,3,7,8-HxCDD			NO	0.9820	10.000					0.239	
6	1,2,3,4,6,7,8-HpCDD			NO	1.0622	10.000					0.369	
7	OCDD			NO	1.0440	10.000					0.556	
8	2,3,7,8-TCDF			NO	0.9700	10.000					0.142	
9	1,2,3,7,8-PeCDF			NO	0.9580	10.000					0.116	
10	2,3,4,7,8-PeCDF			NO	1.0074	10.000					0.114	
11	1,2,3,4,7,8-HxCDF			NO	1.1632	10.000					0.133	
12	1,2,3,6,7,8-HxCDF			NO	1.1431	10.000					0.123	
13	2,3,4,5,7,8-HxCDF			NO	1.2131	10.000					0.136	
14	1,2,3,7,8,9-HxCDF			NO	1.1349	10.000					0.208	
15	1,2,3,4,6,7,8-HpCDF			NO	1.1891	10.000					0.147	
16	1,2,3,4,7,8,9-HpCDF			NO	1.3896	10.000					0.193	
17	OCDF	1.98e5	0.77	NO	1.0614	10.000					0.370	
18	13C-2,3,7,8-TCDD			NO	1.1733	10.000	26.06	1.028	134	66.8	0.649	



Dataset: Untitled

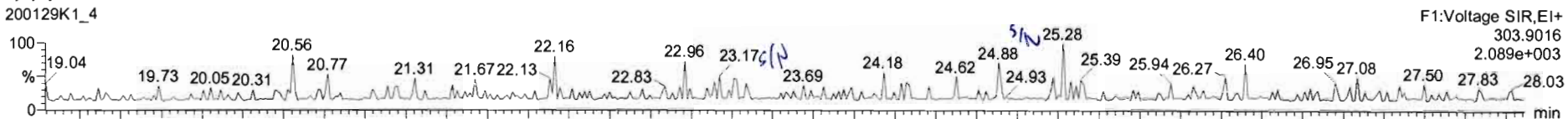
Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time

Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

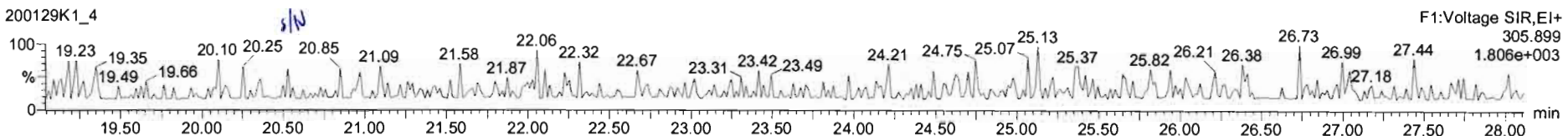
Name: 200129K1_4, Date: 29-Jan-2020, Time: 17:36:49, ID: B0A0018-BLK1 Method Blank 10, Description: Method Blank

2,3,7,8-TCDF

200129K1_4

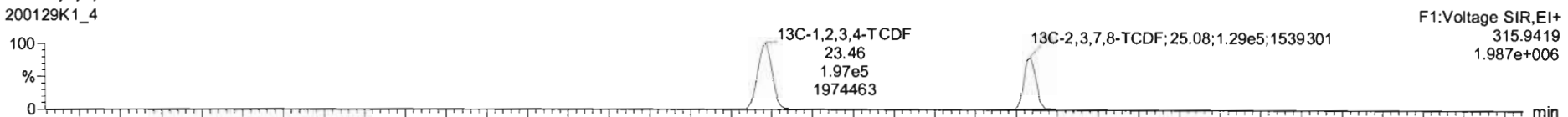


200129K1_4

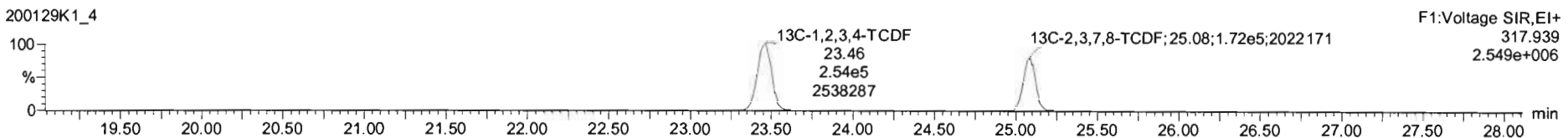


13C-2,3,7,8-TCDF

200129K1_4

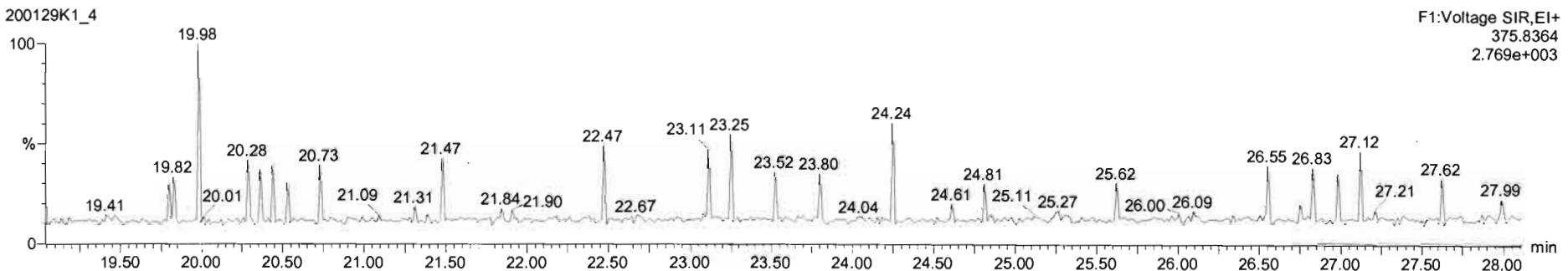


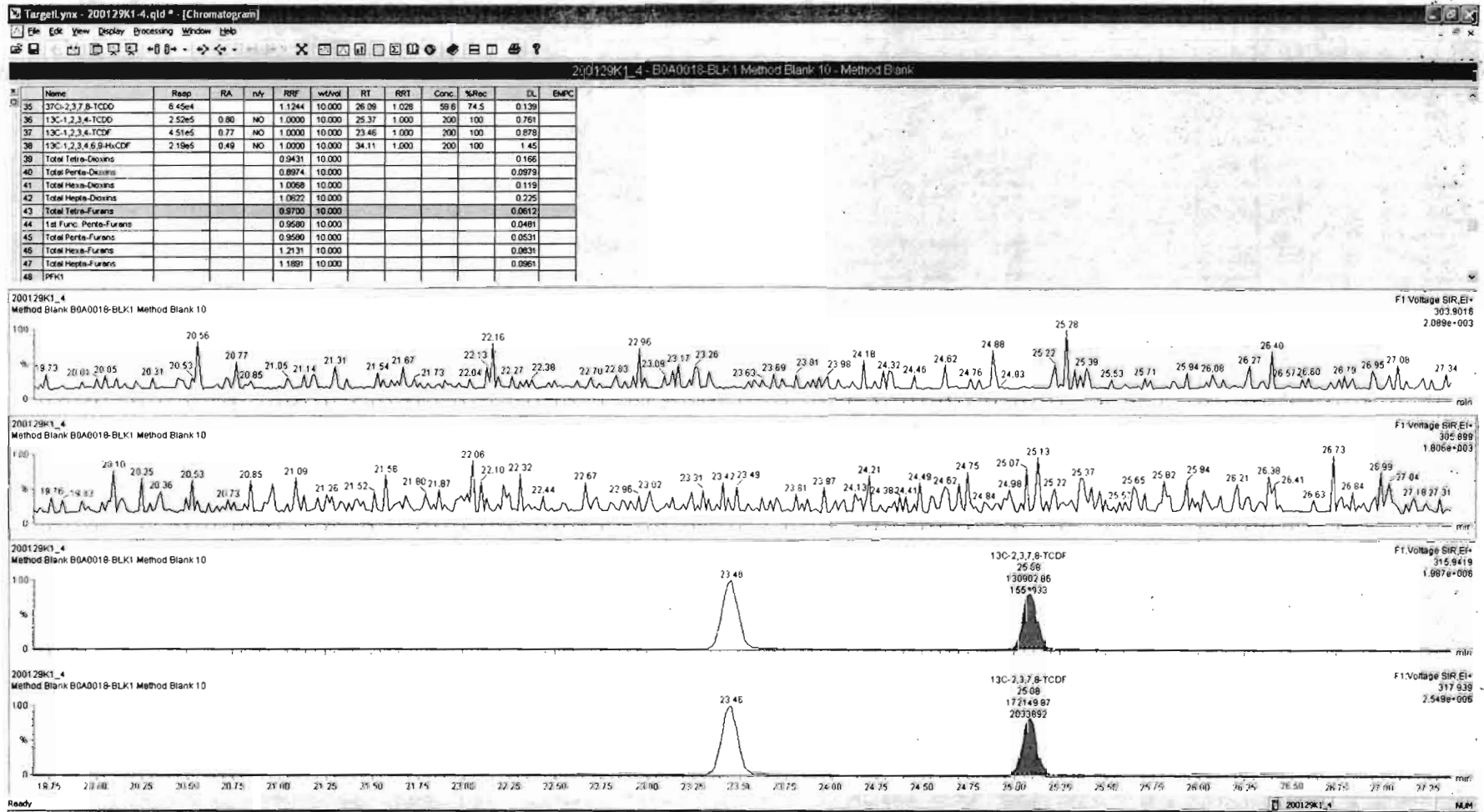
200129K1_4



DPE1

200129K1_4





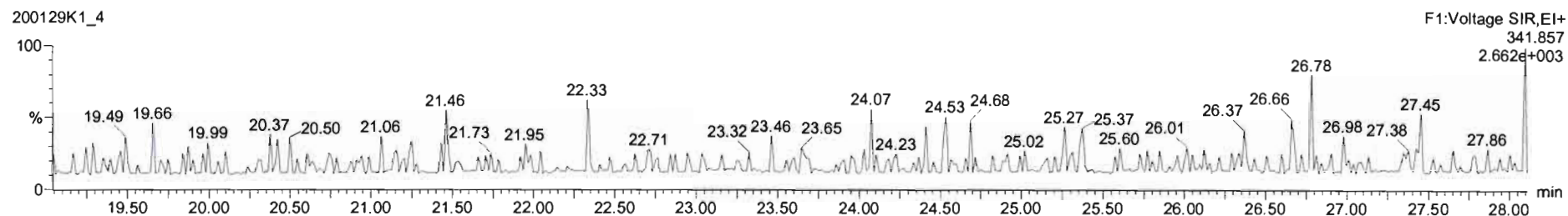
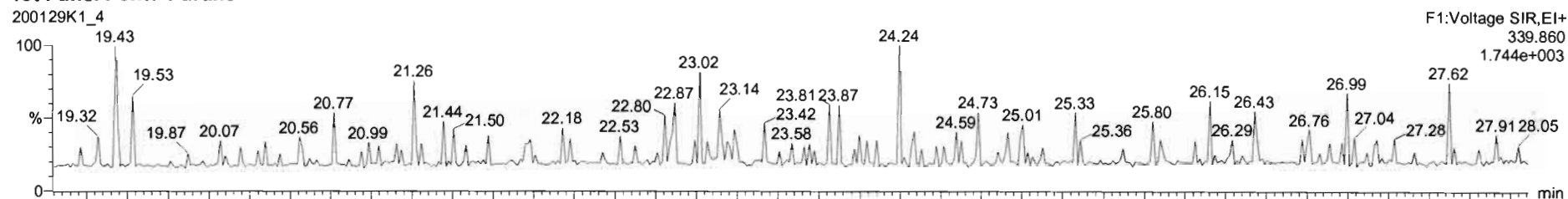
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Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time

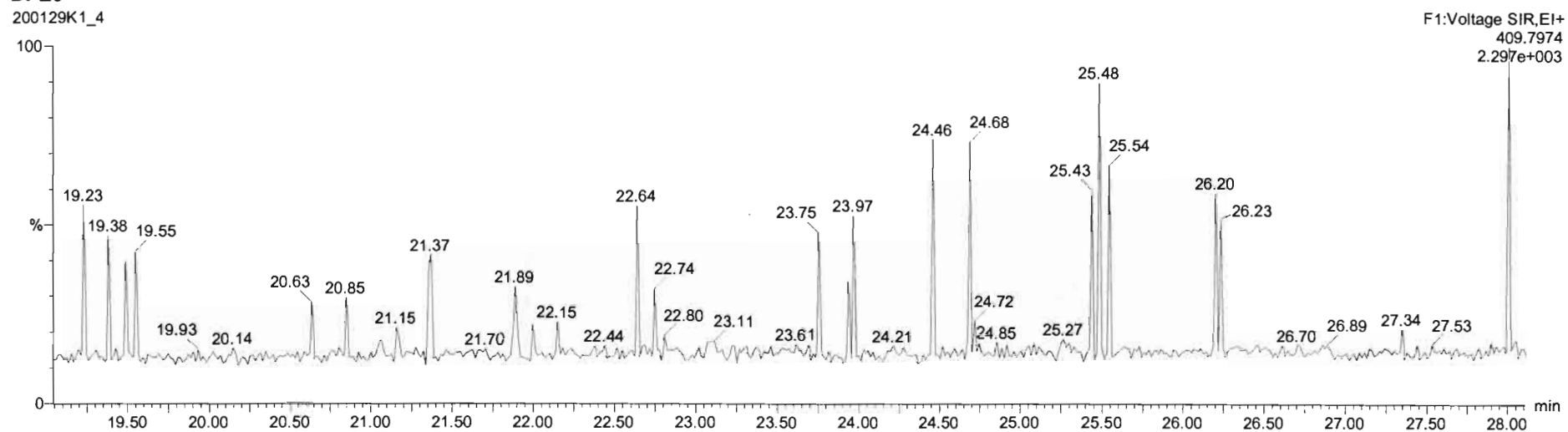
Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_4, Date: 29-Jan-2020, Time: 17:36:49, ID: B0A0018-BLK1 Method Blank 10, Description: Method Blank

1st Func. Penta-Furans



DPE6



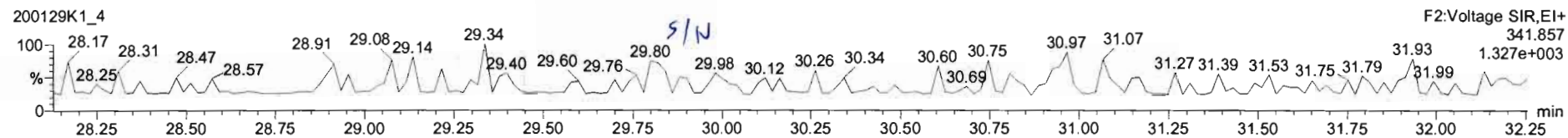
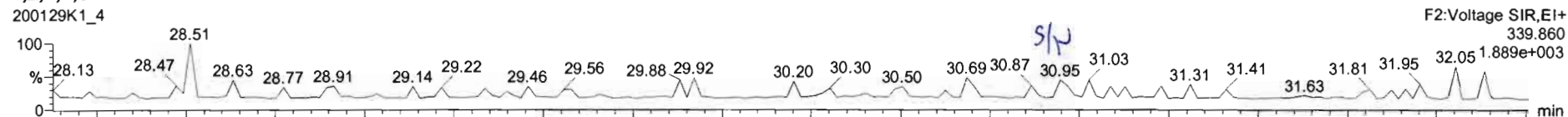
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Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time

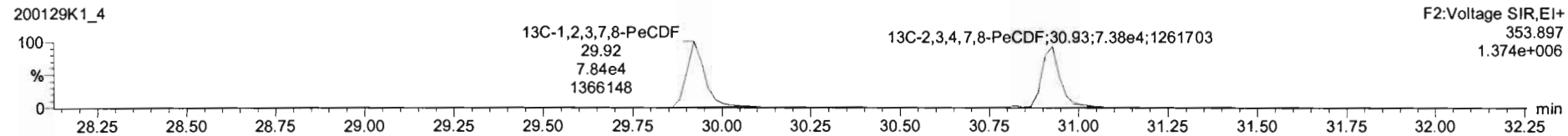
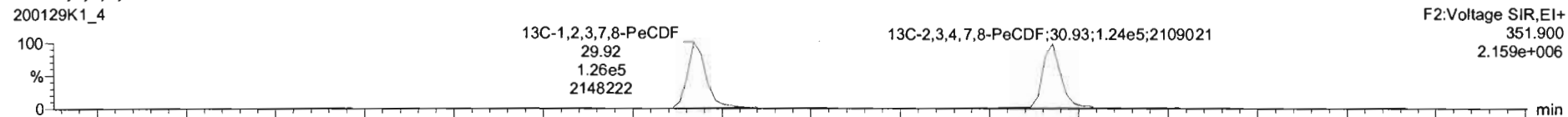
Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_4, Date: 29-Jan-2020, Time: 17:36:49, ID: B0A0018-BLK1 Method Blank 10, Description: Method Blank

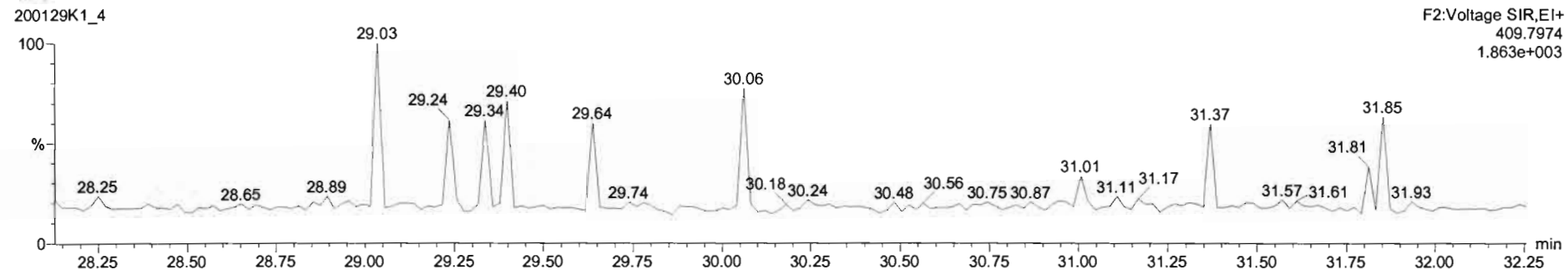
1,2,3,7,8-PeCDF



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



DPE2



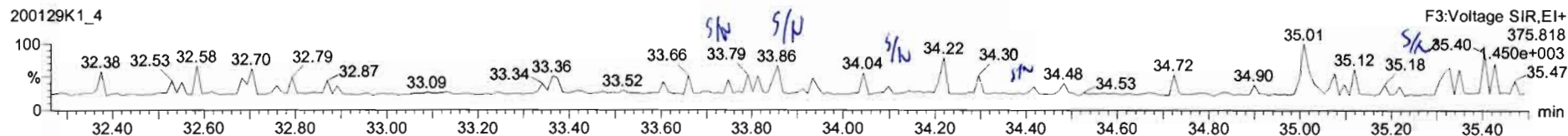
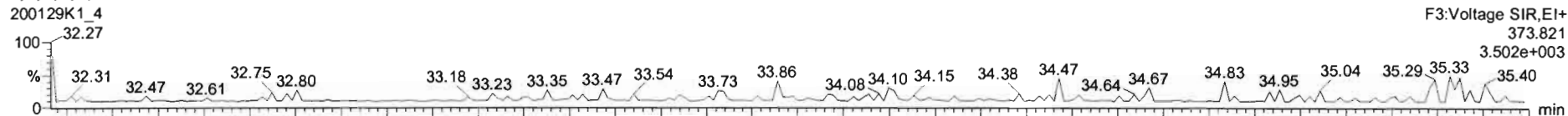
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Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time

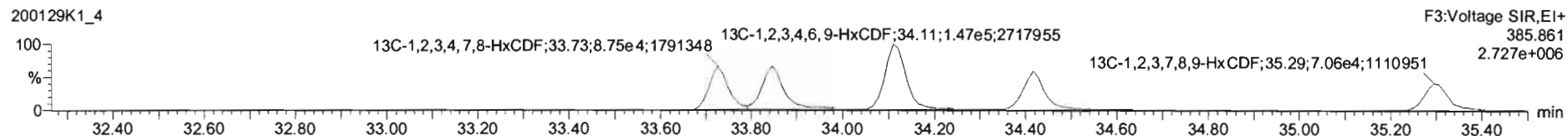
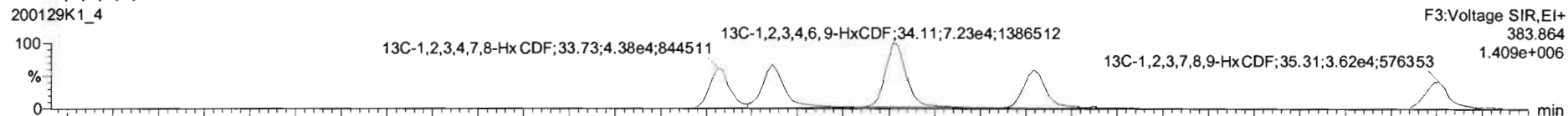
Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_4, Date: 29-Jan-2020, Time: 17:36:49, ID: B0A0018-BLK1 Method Blank 10, Description: Method Blank

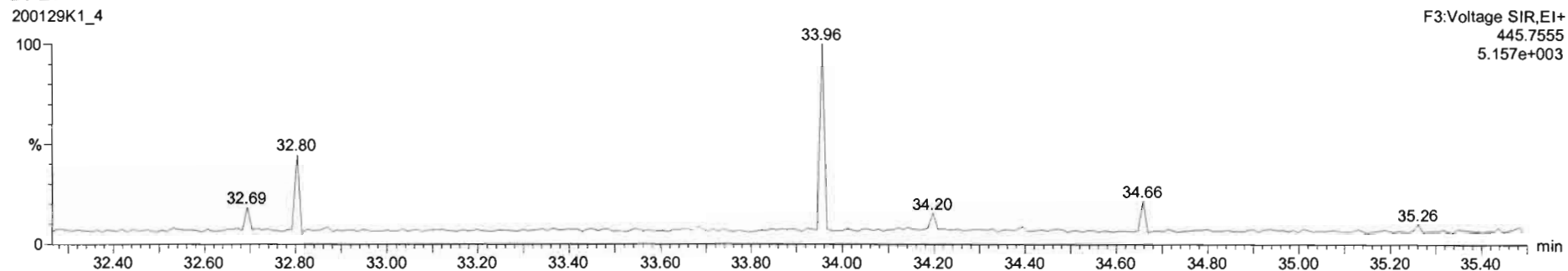
1,2,3,4,7,8-HxCDF

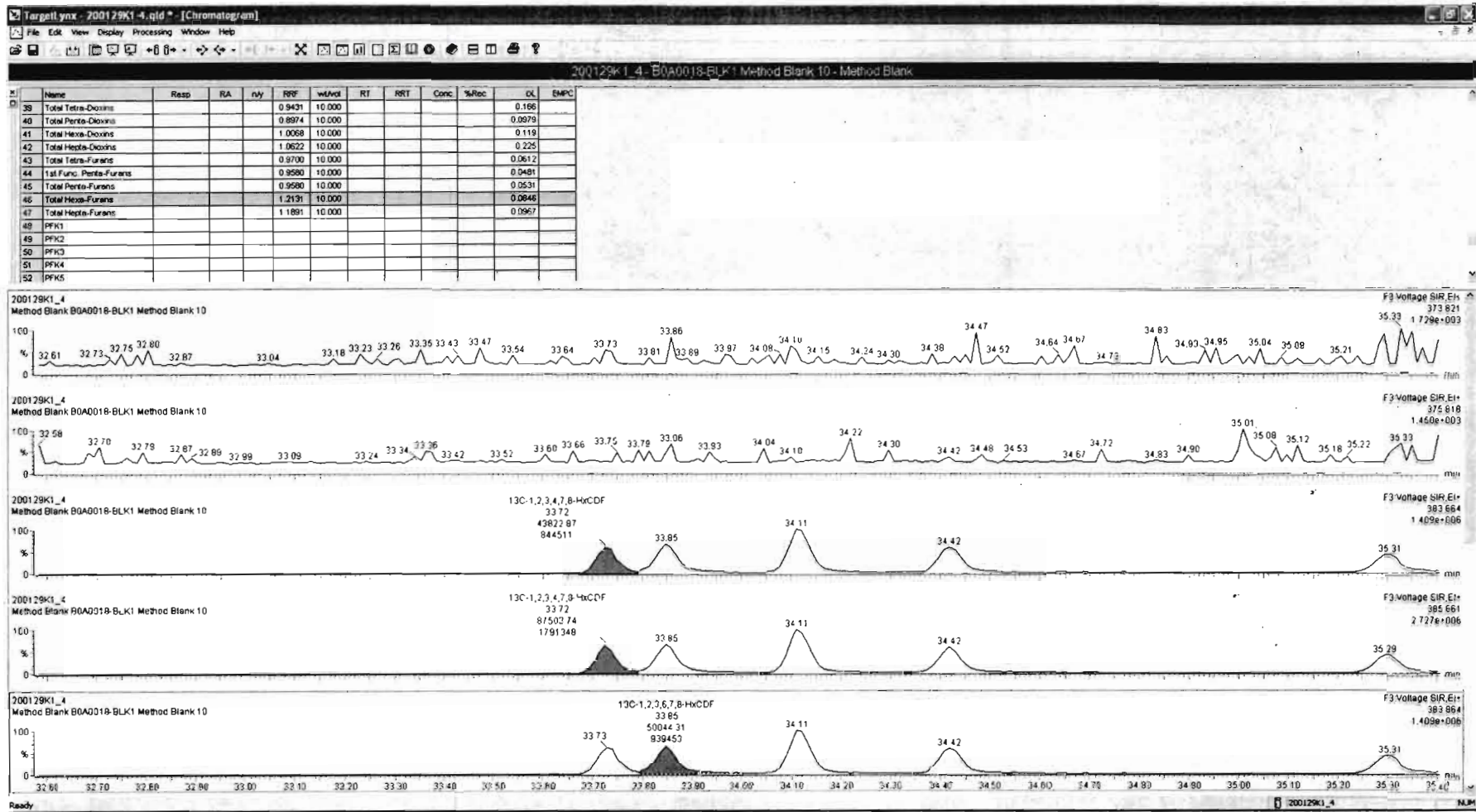


13C-1,2,3,4,7,8-HxCDF



DPE3



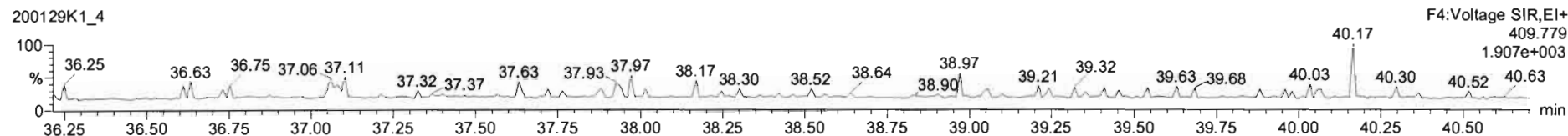
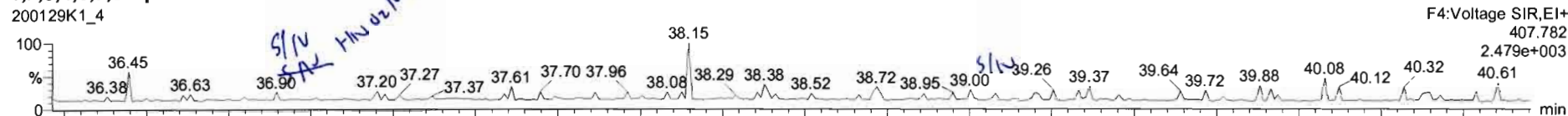


Dataset: Untitled

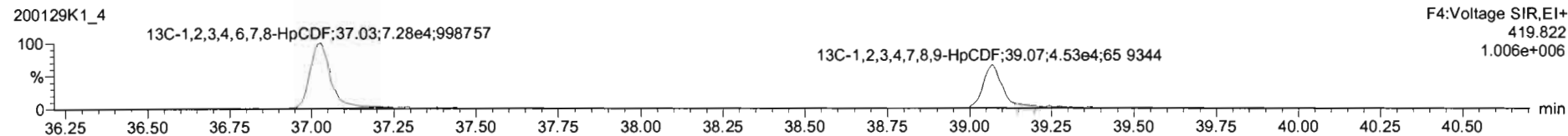
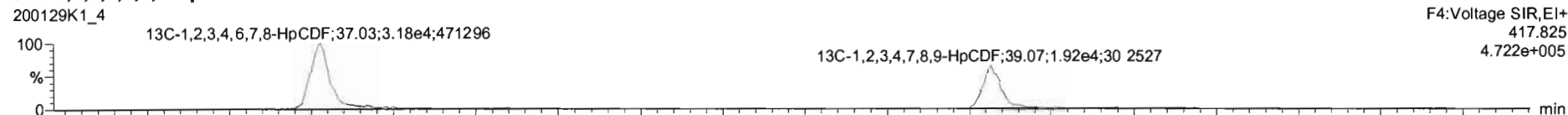
Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time
Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_4, Date: 29-Jan-2020, Time: 17:36:49, ID: B0A0018-BLK1 Method Blank 10, Description: Method Blank

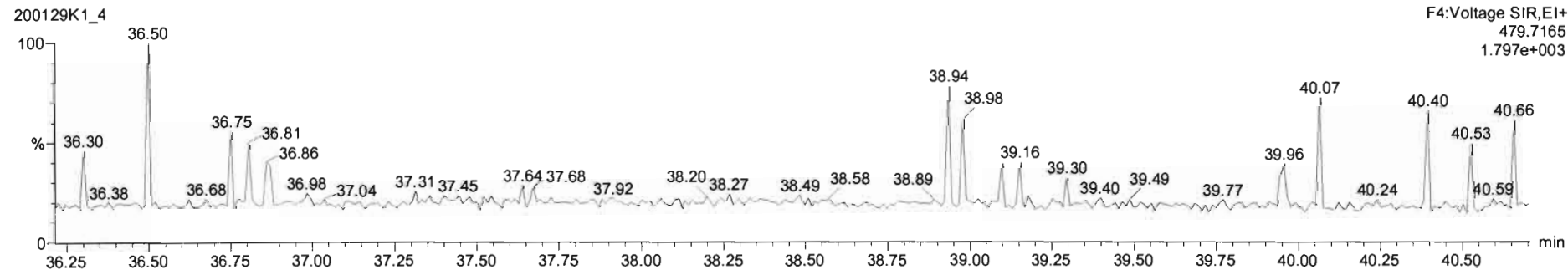
1,2,3,4,6,7,8-HpCDF

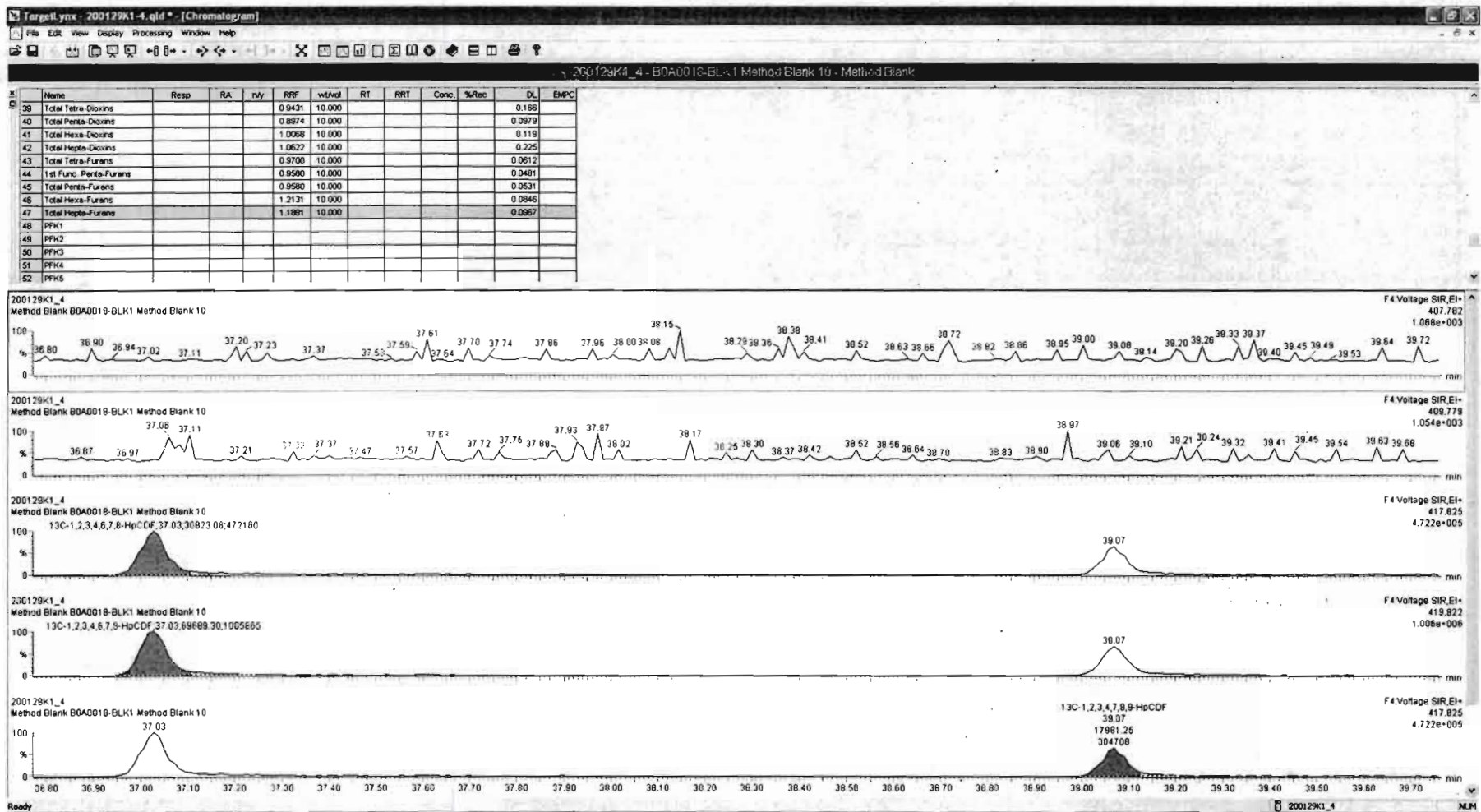


13C-1,2,3,4,6,7,8-HpCDF



DPE4

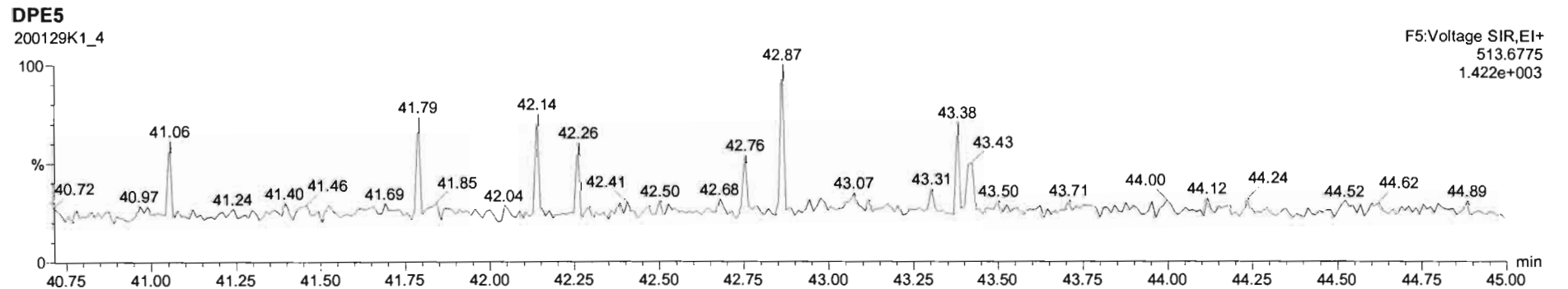
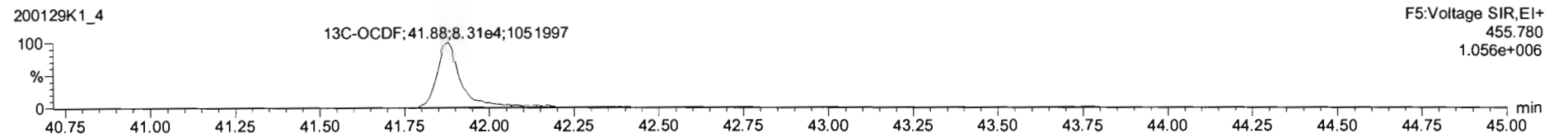
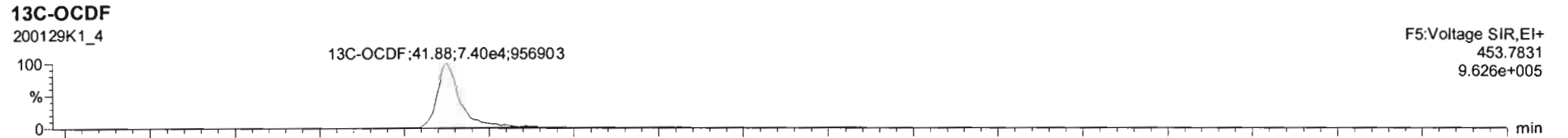
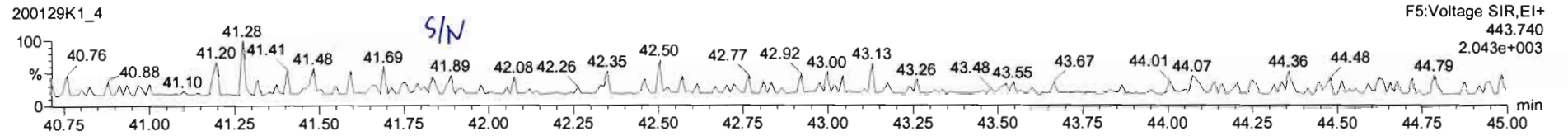
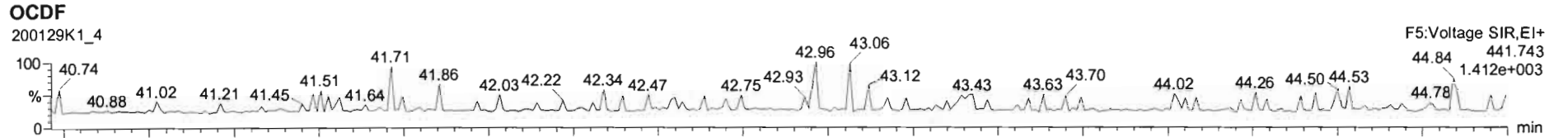




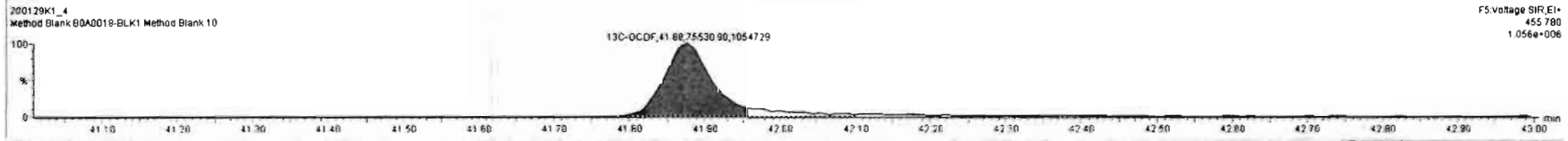
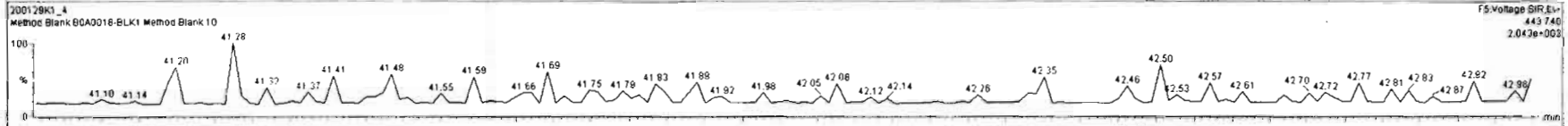
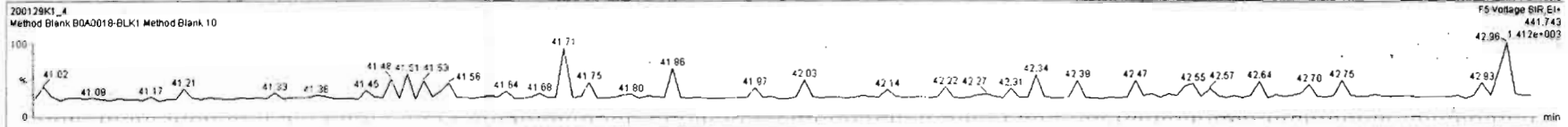
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Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time
Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_4, Date: 29-Jan-2020, Time: 17:36:49, ID: B0A0018-BLK1 Method Blank 10, Description: Method Blank



#	Name	Resp	RA	Qty	RFV	Method	RT	RRT	Conc.	%Rec	DL	EMPC
15	1,2,3,4,6,7,8-HxCDF				NO	1.1891	10.000					0.145
16	1,2,3,4,7,8,9-HxCDF				NO	1.3896	10.000					0.190
17	OCDF				NO	1.0614	10.000					0.370
18	13C-2,3,7,8-TCDD	1.98e5	0.77	NO	1.1733	10.000	26.06	1.028	134	66.8	0.648	
19	13C-1,2,3,7,8-PeCDD	1.23e5	0.62	NO	0.7731	10.000	31.23	1.231	126	63.1	1.02	
20	13C-1,2,3,4,7,8-HxCDD	7.71e4	1.25	NO	0.5999	10.000	34.59	1.014	117	58.6	1.17	
21	13C-1,2,3,6,7,8-HxCDD	9.95e4	1.26	NO	0.7631	10.000	34.69	1.017	119	59.4	0.922	
22	13C-1,2,3,7,8,9-HxCDD	9.21e4	1.27	NO	0.6759	10.000	34.97	1.025	124	62.1	1.04	
23	13C-1,2,3,4,6,7,8-HxCDD	6.43e4	1.11	NO	0.4549	10.000	38.44	1.127	129	64.5	1.53	
24	13C-OCDD	1.19e5	0.87	NO	0.3713	10.000	41.66	1.222	293	73.3	2.22	
25	13C-2,3,7,8-TCDF	3.01e5	0.75	NO	1.0693	10.000	25.06	0.989	125	62.3	0.822	
26	13C-1,2,3,7,8-PeCDF	2.05e5	1.61	NO	0.7650	10.000	29.92	1.179	119	59.3	1.08	
27	13C-2,3,4,7,8-PeCDF	1.99e5	1.68	NO	0.7261	10.000	30.93	1.219	121	60.4	1.14	
28	13C-1,2,3,4,7,8-HxCDF	1.31e5	0.50	NO	0.9649	10.000	33.72	0.989	124	62.0	1.50	

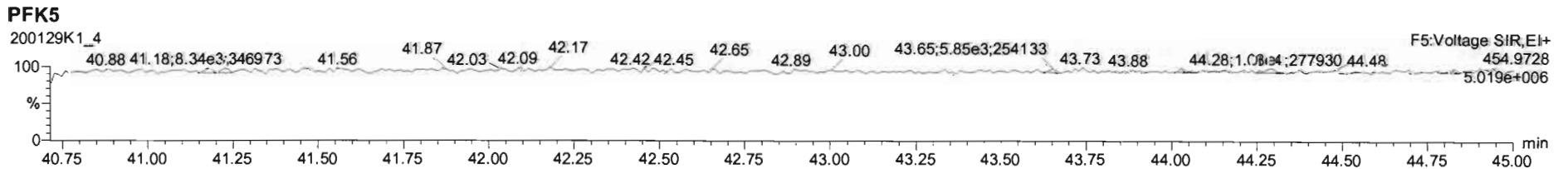
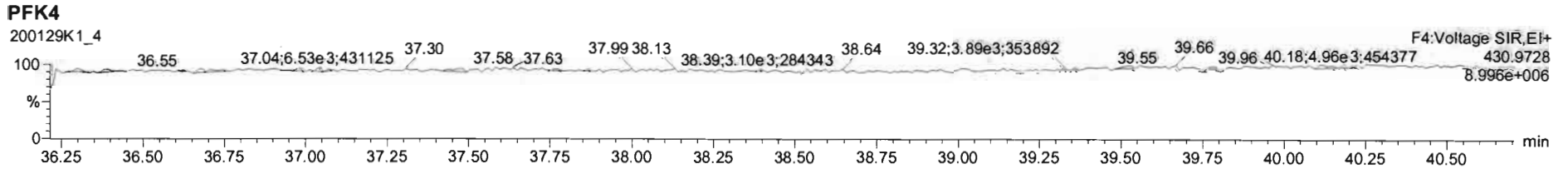
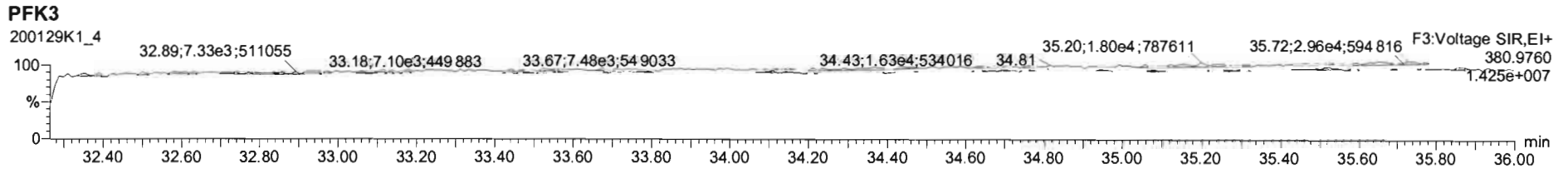
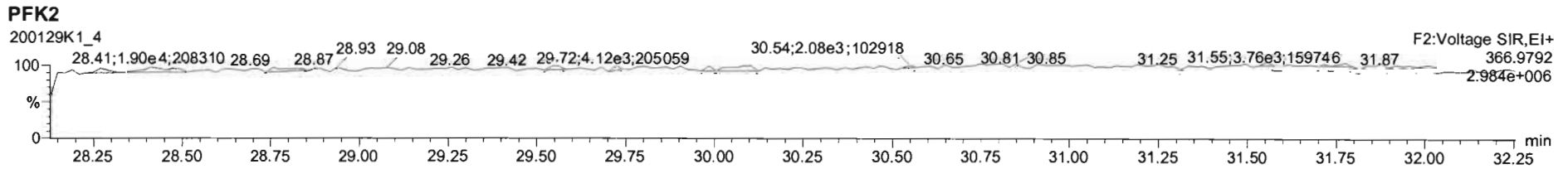
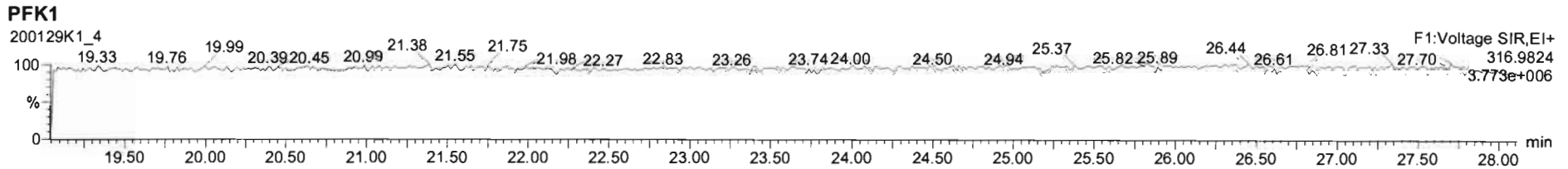


Dataset: Untitled

Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time

Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_4, Date: 29-Jan-2020, Time: 17:36:49, ID: B0A0018-BLK1 Method Blank 10, Description: Method Blank



Dataset: U:\VG11.PRO\Results\200129K1\200129K1-2.qld

Last Altered: Wednesday, February 12, 2020 11:07:32 Pacific Standard Time
Printed: Wednesday, February 12, 2020 11:08:34 Pacific Standard Time

HN 02/12/2020

C7 02/11/2020

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19
Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_2, Date: 29-Jan-2020, Time: 16:01:26, ID: B0A0018-BS1 OPR 10, Description: OPR

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	14219.960	0.806	NO	0.943	10.000	26.09	26.09	1.00	1.00	NO	18.21		0.376	18.21
2	2 1,2,3,7,8-PeCDD	44698.838	0.587	NO	0.897	10.000	31.25	31.25	1.00	1.00	NO	94.65		0.445	94.65
3	3 1,2,3,4,7,8-HxCDD	41190.314	1.253	NO	1.17	10.000	34.58	34.59	1.00	1.00	NO	98.84		1.33	98.84
4	4 1,2,3,6,7,8-HxCDD	42561.656	1.332	NO	1.01	10.000	34.67	34.69	1.00	1.00	NO	97.51		1.23	97.51
5	5 1,2,3,7,8,9-HxCDD	38545.487	1.266	NO	0.982	10.000	34.99	34.97	1.00	1.00	NO	97.26		1.43	97.26
6	6 1,2,3,4,6,7,8-HpCDD	29891.344	1.019	NO	1.06	10.000	38.44	38.45	1.00	1.00	NO	92.07		1.67	92.07
7	7 OCDD	51756.676	0.905	NO	1.04	10.000	41.67	41.68	1.00	1.00	NO	189.2		2.03	189.2
8	8 2,3,7,8-TCDF	23299.891	0.736	NO	0.970	10.000	25.09	25.08	1.00	1.00	NO	18.77		0.212	18.77
9	9 1,2,3,7,8-PeCDF	90755.344	1.647	NO	0.958	10.000	29.94	29.94	1.00	1.00	NO	97.01		0.494	97.01
10	10 2,3,4,7,8-PeCDF	83257.311	1.582	NO	1.01	10.000	30.96	30.93	1.00	1.00	NO	96.33		0.529	96.33
11	11 1,2,3,4,7,8-HxCDF	71543.863	1.269	NO	1.16	10.000	33.72	33.74	1.00	1.00	NO	96.19		1.12	96.19
12	12 1,2,3,6,7,8-HxCDF	75194.765	1.257	NO	1.14	10.000	33.86	33.86	1.00	1.00	NO	97.75		1.03	97.75
13	13 2,3,4,6,7,8-HxCDF	72491.722	1.253	NO	1.21	10.000	34.44	34.43	1.00	1.00	NO	93.18		1.14	93.18
14	14 1,2,3,7,8,9-HxCDF	49866.824	1.247	NO	1.13	10.000	35.29	35.31	1.00	1.00	NO	90.11		1.65	90.11
15	15 1,2,3,4,6,7,8-HpCDF	51036.590	1.026	NO	1.19	10.000	37.05	37.04	1.00	1.00	NO	94.04		1.28	94.04
16	16 1,2,3,4,7,8,9-HpCDF	38051.201	1.041	NO	1.39	10.000	39.07	39.07	1.00	1.00	NO	91.74		1.69	91.74
17	17 OCDF	71033.445	0.901	NO	1.06	10.000	41.87	41.88	1.00	1.00	NO	184.4		1.64	184.4
18	18 13C-2,3,7,8-TCDD	165622.297	0.762	NO	1.17	10.000	26.05	26.06	1.03	1.03	NO	146.7	73.4	0.891	
19	19 13C-1,2,3,7,8-PeCDD	105253.132	0.599	NO	0.773	10.000	31.23	31.23	1.23	1.23	NO	141.5	70.8	1.20	
20	20 13C-1,2,3,4,7,8-HxCDD	71359.258	1.267	NO	0.600	10.000	34.58	34.57	1.01	1.01	NO	132.1	66.0	2.05	
21	21 13C-1,2,3,6,7,8-HxCDD	86703.808	1.285	NO	0.763	10.000	34.68	34.67	1.02	1.02	NO	126.1	63.1	1.61	
22	22 13C-1,2,3,7,8,9-HxCDD	80713.191	1.265	NO	0.676	10.000	34.95	34.95	1.02	1.02	NO	132.6	66.3	1.82	
23	23 13C-1,2,3,4,6,7,8-HpCDD	61130.000	1.044	NO	0.455	10.000	38.44	38.43	1.13	1.13	NO	149.2	74.6	2.28	
24	24 13C-OCDD	104812.793	0.900	NO	0.371	10.000	41.67	41.67	1.22	1.22	NO	313.4	78.4	3.52	
25	25 13C-2,3,7,8-TCDF	255958.195	0.783	NO	1.07	10.000	25.07	25.07	0.99	0.99	NO	145.0	72.5	1.06	
26	26 13C-1,2,3,7,8-PeCDF	195299.742	1.563	NO	0.765	10.000	29.92	29.92	1.18	1.18	NO	154.6	77.3	1.66	
27	27 13C-2,3,4,7,8-PeCDF	171593.590	1.682	NO	0.726	10.000	30.93	30.93	1.22	1.22	NO	143.1	71.6	1.75	
28	28 13C-1,2,3,4,7,8-HxCDF	127887.606	0.520	NO	0.965	10.000	33.72	33.72	0.99	0.99	NO	147.2	73.6	1.78	
29	29 13C-1,2,3,6,7,8-HxCDF	134594.516	0.544	NO	1.09	10.000	33.84	33.85	0.99	0.99	NO	136.6	68.3	1.57	
30	30 13C-2,3,4,6,7,8-HxCDF	128268.172	0.539	NO	0.984	10.000	34.41	34.40	1.01	1.01	NO	144.8	72.4	1.75	
31	31 13C-1,2,3,7,8,9-HxCDF	97523.839	0.497	NO	0.790	10.000	35.31	35.29	1.04	1.03	NO	137.0	68.5	2.18	

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-2.qld

Last Altered: Wednesday, February 12, 2020 11:07:32 Pacific Standard Time

Printed: Wednesday, February 12, 2020 11:08:34 Pacific Standard Time

Name: 200129K1_2, Date: 29-Jan-2020, Time: 16:01:26, ID: B0A0018-BS1 OPR 10, Description: OPR

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	91280.312	0.434	NO	0.734	10.000	37.02	37.02	1.09	1.09	NO	138.2	69.1	2.35	
33	33 13C-1,2,3,4,7,8,9-HpCDF	59692.274	0.453	NO	0.459	10.000	39.04	39.07	1.14	1.15	NO	144.5	72.2	3.76	
34	34 13C-OCDF	145211.586	0.868	NO	0.500	10.000	41.91	41.87	1.23	1.23	NO	322.3	80.6	2.60	
35	35 37Cl-2,3,7,8-TCDD	63263.664			1.12	10.000	26.07	26.08	1.03	1.03	NO	58.48	73.1	0.175	
36	36 13C-1,2,3,4-TCDD	192414.273	0.781	NO	1.00	10.000	25.36	25.36	1.00	1.00	NO	200.0	100	1.05	
37	37 13C-1,2,3,4-TCDF	330204.609	0.778	NO	1.00	10.000	23.43	23.45	1.00	1.00	NO	200.0	100	1.13	
38	38 13C-1,2,3,4,6,9-HxCDF	180143.715	0.522	NO	1.00	10.000	34.10	34.11	1.00	1.00	NO	200.0	100	1.72	
39	39 Total Tetra-Dioxins				0.943	10.000	24.62		0.00		NO	18.21		0.376	18.21
40	40 Total Penta-Dioxins				0.897	10.000	29.96		0.00		NO	94.65		0.445	94.65
41	41 Total Hexa-Dioxins				1.01	10.000	33.63		0.00		NO	293.6		1.38	294.8
42	42 Total Hepta-Dioxins				1.06	10.000	38.80		0.00		NO	92.07		1.67	92.07
43	43 Total Tetra-Furans				0.970	10.000	23.61		0.00		NO	18.77		0.212	18.77
44	44 1st Func. Penta-Furans				0.958	10.000	27.04		0.00		NO			0.0509	
45	45 Total Penta-Furans				0.958	10.000	29.27		0.00		NO	193.3		0.523	196.1
46	46 Total Hexa-Furans				1.21	10.000	33.56		0.00		NO	377.2		1.15	377.2
47	47 Total Hepta-Furans				1.19	10.000	37.83		0.00		NO	185.8		1.56	185.8

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-2.qld

Last Altered: Wednesday, February 12, 2020 11:07:32 Pacific Standard Time
 Printed: Wednesday, February 12, 2020 11:08:46 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19
 Calibration: U:\VG11.PRO\CurveDB\ldb5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_2, Date: 29-Jan-2020, Time: 16:01:26, ID: B0A0018-BS1 OPR 10, Description: OPR

Tetra-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	1 2,3,7,8-TCDD	1.42e4	1.66e5	0.806	NO	26.09	26.09	18.21	18.21

Penta-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	2 1,2,3,7,8-PeCDD	4.47e4	1.05e5	0.587	NO	31.25	31.25	94.65	94.65

Hexa-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	41 Total Hexa-Dioxins	0.00e0	0.00e0	3.865	YES	33.63	35.17	0.0000	1.145
2	5 1,2,3,7,8,9-HxCDD	3.85e4	8.07e4	1.266	NO	34.99	34.97	97.26	97.26
3	4 1,2,3,6,7,8-HxCDD	4.26e4	8.67e4	1.332	NO	34.67	34.69	97.51	97.51
4	3 1,2,3,4,7,8-HxCDD	4.12e4	7.14e4	1.253	NO	34.58	34.59	98.84	98.84

Hepta-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	6 1,2,3,4,6,7,8-HpCDD	2.99e4	6.11e4	1.019	NO	38.44	38.45	92.07	92.07

Tetra-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	8 2,3,7,8-TCDF	2.33e4	2.56e5	0.736	NO	25.09	25.08	18.77	18.77

Penta-Furans function 1

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1									

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-2.qld

Last Altered: Wednesday, February 12, 2020 11:07:32 Pacific Standard Time

Printed: Wednesday, February 12, 2020 11:08:46 Pacific Standard Time

Name: 200129K1_2, Date: 29-Jan-2020, Time: 16:01:26, ID: B0A0018-BS1 OPR 10, Description: OPR

Penta-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	9 1,2,3,7,8-PeCDF	9.08e4	1.95e5	1.647	NO	29.94	29.94	97.01	97.01
2	10 2,3,4,7,8-PeCDF	8.33e4	1.72e5	1.582	NO	30.96	30.93	96.33	96.33
3	45 Total Penta-Furans	0.00e0	0.00e0	2.370	YES	29.27	30.20	0.0000	2.724

Hexa-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	14 1,2,3,7,8,9-HxCDF	4.99e4	9.75e4	1.247	NO	35.29	35.31	90.11	90.11
2	13 2,3,4,6,7,8-HxCDF	7.25e4	1.28e5	1.253	NO	34.44	34.43	93.18	93.18
3	12 1,2,3,6,7,8-HxCDF	7.52e4	1.35e5	1.257	NO	33.86	33.86	97.75	97.75
4	11 1,2,3,4,7,8-HxCDF	7.15e4	1.28e5	1.269	NO	33.72	33.74	96.19	96.19

Hepta-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	16 1,2,3,4,7,8,9-HpCDF	3.81e4	5.97e4	1.041	NO	39.07	39.07	91.74	91.74
2	15 1,2,3,4,6,7,8-HpCDF	5.10e4	9.13e4	1.026	NO	37.05	37.04	94.04	94.04

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-2.qld

Last Altered: Monday, February 03, 2020 11:22:39 AM Pacific Standard Time
Printed: Monday, February 03, 2020 11:26:46 AM Pacific Standard Time

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Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19
Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

CT 02/12/2020

Name: 200129K1_2, Date: 29-Jan-2020, Time: 16:01:26, ID: B0A0018-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	1.42e4	0.81	NO	0.943	10.000	26.092	26.09	1.001	1.001	18.207		0.376	18.2
2	2 1,2,3,7,8-PeCDD	4.47e4	0.59	NO	0.897	10.000	31.250	31.25	1.001	1.001	94.646		0.445	94.6
3	3 1,2,3,4,7,8-HxCDD	4.12e4	1.25	NO	1.17	10.000	34.580	34.59	1.000	1.001	98.837		1.33	98.8
4	4 1,2,3,6,7,8-HxCDD	4.26e4	1.33	NO	1.01	10.000	34.669	34.69	1.000	1.001	97.512		1.23	97.5
5	5 1,2,3,7,8,9-HxCDD	3.85e4	1.27	NO	0.982	10.000	34.989	34.97	1.001	1.000	97.265		1.43	97.3
6	6 1,2,3,4,6,7,8-HpCDD	2.99e4	1.02	NO	1.06	10.000	38.444	38.45	1.000	1.001	92.066		1.67	92.1
7	7 OCDD	4.93e4	0.89	NO	1.04	10.000	41.670	41.68	1.000	1.000	155.49		2.06	155
8	8 2,3,7,8-TCDF	2.33e4	0.74	NO	0.970	10.000	25.092	25.08	1.001	1.001	18.769		0.212	18.8
9	9 1,2,3,7,8-PeCDF	9.08e4	1.65	NO	0.958	10.000	29.941	29.94	1.001	1.001	97.010		0.494	97.0
10	10 2,3,4,7,8-PeCDF	8.33e4	1.58	NO	1.01	10.000	30.957	30.93	1.001	1.000	96.329		0.529	96.3
11	11 1,2,3,4,7,8-HxCDF	7.15e4	1.27	NO	1.16	10.000	33.725	33.74	1.000	1.000	96.188		1.12	96.2
12	12 1,2,3,6,7,8-HxCDF	7.52e4	1.26	NO	1.14	10.000	33.856	33.86	1.000	1.000	97.746		1.03	97.7
13	13 2,3,4,6,7,8-HxCDF	7.25e4	1.25	NO	1.21	10.000	34.440	34.43	1.001	1.001	93.177		1.14	93.2
14	14 1,2,3,7,8,9-HxCDF	4.99e4	1.25	NO	1.13	10.000	35.294	35.31	1.000	1.000	90.112		1.65	90.1
15	15 1,2,3,4,6,7,8-HpCDF	5.10e4	1.03	NO	1.19	10.000	37.054	37.04	1.001	1.001	94.040		1.28	94.0
16	16 1,2,3,4,7,8,9-HpCDF	3.81e4	1.04	NO	1.39	10.000	39.069	39.07	1.000	1.000	91.744		1.69	91.7
17	17 OCDF	7.10e4	0.90	NO	1.06	10.000	41.867	41.88	1.000	1.000	184.35		1.64	184
18	18 13C-2,3,7,8-TCDD	1.66e5	0.76	NO	1.17	10.000	26.052	26.06	1.027	1.028	146.72	73.4	0.891	
19	19 13C-1,2,3,7,8-PeCDD	1.05e5	0.60	NO	0.773	10.000	31.227	31.23	1.232	1.232	141.51	70.8	1.20	
20	20 13C-1,2,3,4,7,8-HxCDD	7.14e4	1.27	NO	0.600	10.000	34.580	34.57	1.014	1.014	132.07	66.0	2.05	
21	21 13C-1,2,3,6,7,8-HxCDD	8.67e4	1.29	NO	0.763	10.000	34.679	34.67	1.017	1.016	126.14	63.1	1.61	
22	22 13C-1,2,3,7,8,9-HxCDD	8.07e4	1.27	NO	0.676	10.000	34.951	34.95	1.025	1.025	132.57	66.3	1.82	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.11e4	1.04	NO	0.455	10.000	38.444	38.43	1.127	1.127	149.18	74.6	2.28	
24	24 13C-OCDD	1.21e5	0.94	NO	0.371	10.000	41.671	41.67	1.222	1.222	362.91	90.7	3.52	
25	25 13C-2,3,7,8-TCDF	2.56e5	0.78	NO	1.07	10.000	25.068	25.07	0.989	0.989	144.99	72.5	1.06	
26	26 13C-1,2,3,7,8-PeCDF	1.95e5	1.56	NO	0.765	10.000	29.916	29.92	1.180	1.180	154.63	77.3	1.66	
27	27 13C-2,3,4,7,8-PeCDF	1.72e5	1.68	NO	0.726	10.000	30.925	30.93	1.220	1.220	143.13	71.6	1.75	
28	28 13C-1,2,3,4,7,8-HxCDF	1.28e5	0.52	NO	0.965	10.000	33.720	33.72	0.989	0.989	147.16	73.6	1.78	
29	29 13C-1,2,3,6,7,8-HxCDF	1.35e5	0.54	NO	1.09	10.000	33.836	33.85	0.992	0.992	136.62	68.3	1.57	
30	30 13C-2,3,4,6,7,8-HxCDF	1.28e5	0.54	NO	0.984	10.000	34.409	34.41	1.009	1.009	144.78	72.4	1.75	

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-2.qld

Last Altered: Monday, February 03, 2020 11:22:39 AM Pacific Standard Time

Printed: Monday, February 03, 2020 11:26:46 AM Pacific Standard Time

Name: 200129K1_2, Date: 29-Jan-2020, Time: 16:01:26, ID: B0A0018-BS1 OPR 10, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	9.75e4	0.50	NO	0.790	10.000	35.310	35.29	1.035	1.035	136.99	68.5	2.18	
32	13C-1,2,3,4,6,7,8-HpCDF	9.13e4	0.43	NO	0.734	10.000	37.022	37.02	1.085	1.085	138.16	69.1	2.35	
33	13C-1,2,3,4,7,8,9-HpCDF	5.97e4	0.45	NO	0.459	10.000	39.045	39.07	1.145	1.145	144.46	72.2	3.76	
34	13C-OCDF	1.45e5	0.87	NO	0.500	10.000	41.906	41.87	1.229	1.227	322.26	80.6	2.60	
35	37Cl-2,3,7,8-TCDD	6.33e4			1.12	10.000	26.072	26.08	1.028	1.028	58.483	73.1	0.175	
36	13C-1,2,3,4-TCDD	1.92e5	0.78	NO	1.00	10.000	25.360	25.36	1.000	1.000	200.00	100	1.05	
37	13C-1,2,3,4-TCDF	3.30e5	0.78	NO	1.00	10.000	23.430	23.45	1.000	1.000	200.00	100	1.13	
38	13C-1,2,3,4,6,9-HxCDF	1.80e5	0.52	NO	1.00	10.000	34.100	34.11	1.000	1.000	200.00	100	1.72	

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-2.qld

Last Altered: Monday, February 03, 2020 11:22:39 AM Pacific Standard Time

Printed: Monday, February 03, 2020 11:26:46 AM Pacific Standard Time

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_2, Date: 29-Jan-2020, Time: 16:01:26, ID: B0A0018-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	2,3,7,8-TCDD	26.09	8.294e4	1.060e5	6.347e3	7.873e3	0.81	NO	1.422e4	18.207	18.207	0.376

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,7,8-PeCDD	31.25	3.199e5	5.241e5	1.653e4	2.817e4	0.59	NO	4.470e4	94.646	94.646	0.445

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,7,8-HxCDD	34.59	4.055e5	3.433e5	2.291e4	1.828e4	1.25	NO	4.119e4	98.837	98.837	1.33
2	1,2,3,6,7,8-HxCDD	34.69	4.483e5	3.342e5	2.431e4	1.825e4	1.33	NO	4.256e4	97.512	97.512	1.23
3	1,2,3,7,8,9-HxCDD	34.97	3.556e5	2.902e5	2.153e4	1.701e4	1.27	NO	3.855e4	97.265	97.265	1.43
4	Total Hexa-Dioxins	35.17	1.178e4	5.887e3	7.919e2	2.049e2	3.87	YES	0.000e0	0.00000	1.1453	1.38

Hepta-Dioxins

	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-HpCDD	38.45	2.071e5	2.038e5	1.509e4	1.481e4	1.02	NO	2.989e4	92.066	92.066	1.67

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	2,3,7,8-TCDF	25.08	1.220e5	1.599e5	9.877e3	1.342e4	0.74	NO	2.330e4	18.769	18.769	0.212

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:\VG11.PRO\Results\200129K1\200129K1-2.qld

Last Altered: Monday, February 03, 2020 11:22:39 AM Pacific Standard Time

Printed: Monday, February 03, 2020 11:26:46 AM Pacific Standard Time

Name: 200129K1_2, Date: 29-Jan-2020, Time: 16:01:26, ID: B0A0018-BS1 OPR 10, Description: OPR

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,7,8-PeCDF	29.94	9.402e5	5.435e5	5.647e4	3.428e4	1.65	NO	9.076e4	97.010	97.010	0.494
2	Total Penta-Furans	30.20	1.986e4	1.377e4	2.224e3	9.387e2	2.37	YES	0.000e0	0.00000	2.7239	0.523
3	2,3,4,7,8-PeCDF	30.93	8.236e5	5.500e5	5.102e4	3.224e4	1.58	NO	8.326e4	96.329	96.329	0.529

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,7,8-HxCDF	33.74	7.428e5	6.148e5	4.001e4	3.154e4	1.27	NO	7.154e4	96.188	96.188	1.12
2	1,2,3,6,7,8-HxCDF	33.86	7.978e5	6.176e5	4.187e4	3.332e4	1.26	NO	7.519e4	97.746	97.746	1.03
3	2,3,4,6,7,8-HxCDF	34.43	7.223e5	5.856e5	4.032e4	3.218e4	1.25	NO	7.249e4	93.177	93.177	1.14
4	1,2,3,7,8,9-HxCDF	35.31	4.790e5	3.892e5	2.768e4	2.219e4	1.25	NO	4.987e4	90.112	90.112	1.65

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	37.04	4.021e5	3.934e5	2.584e4	2.519e4	1.03	NO	5.104e4	94.040	94.040	1.28
2	1,2,3,4,7,8,9-HpCDF	39.07	3.036e5	2.879e5	1.941e4	1.864e4	1.04	NO	3.805e4	91.744	91.744	1.69

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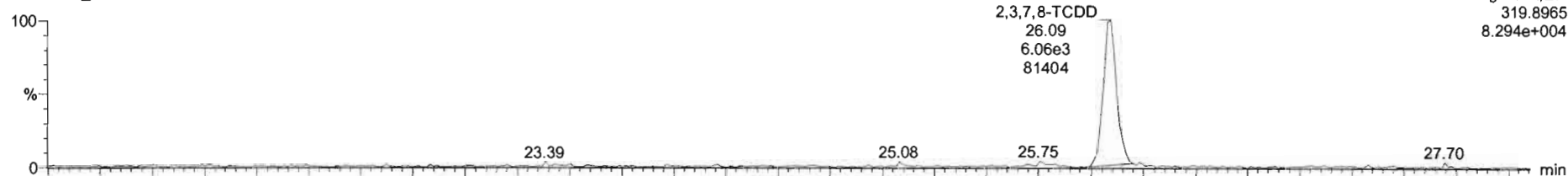
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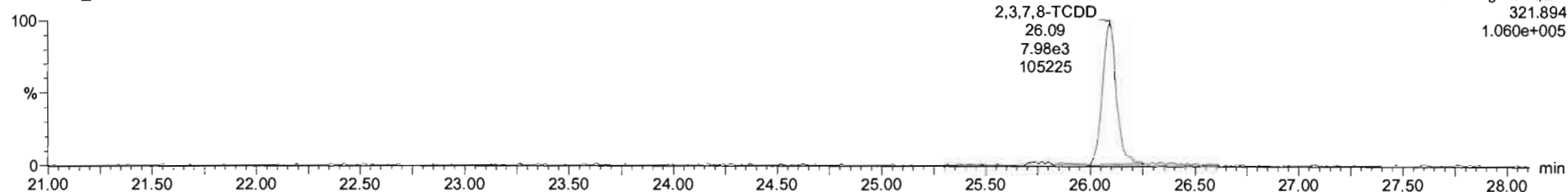
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2,3,7,8-TCDD

200129K1_2

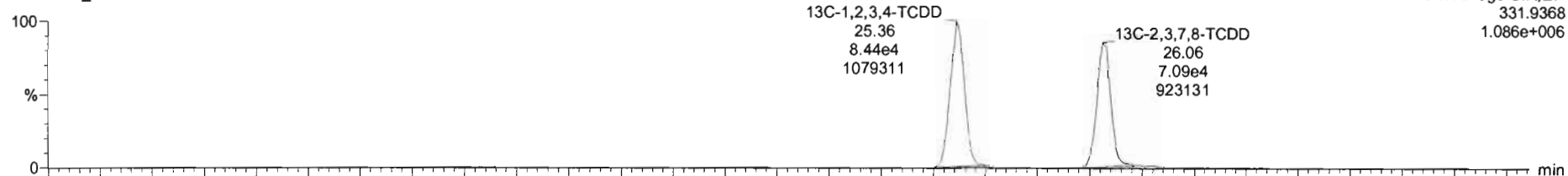


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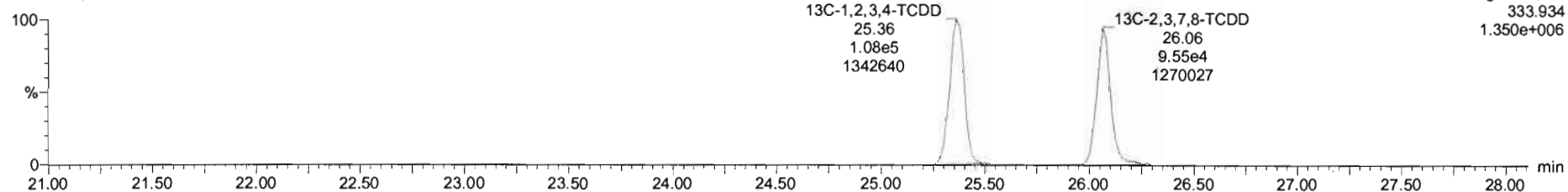


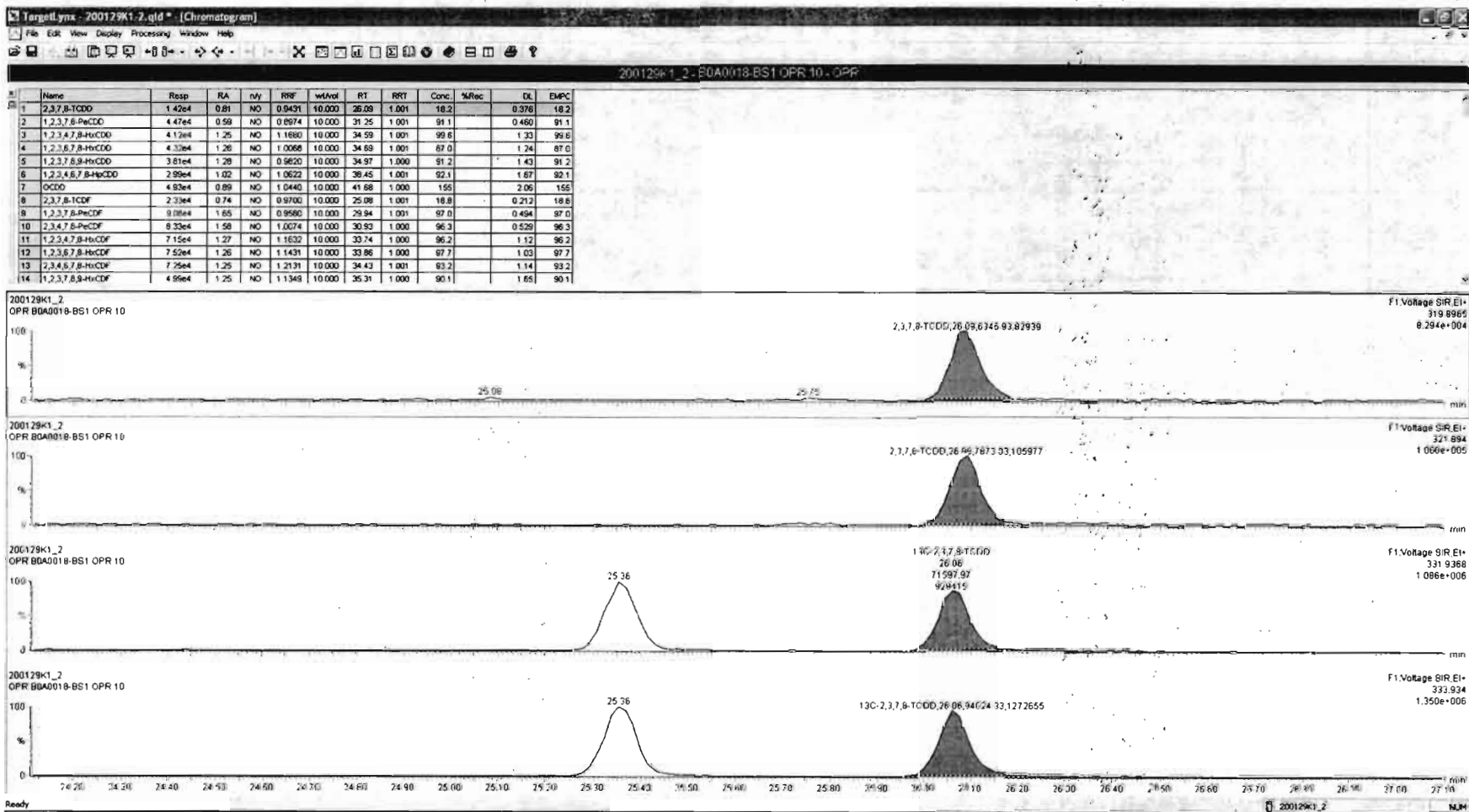
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200129K1_2



200129K1_2





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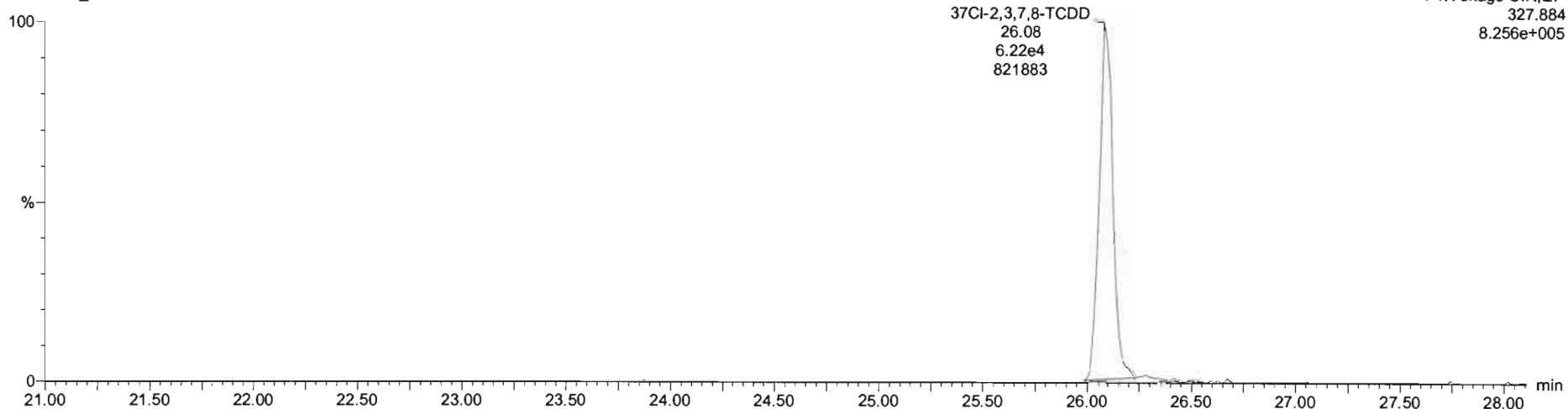
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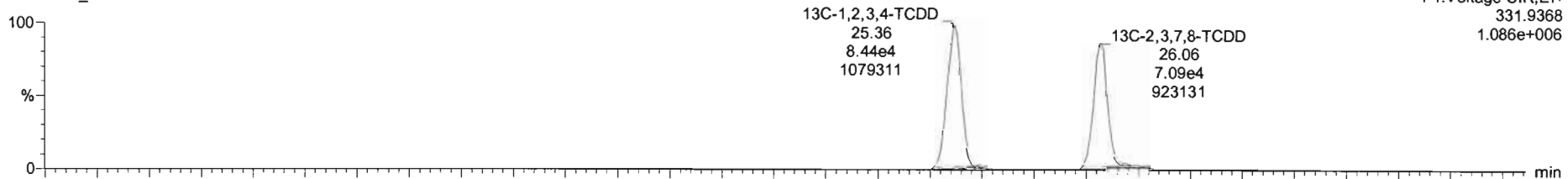
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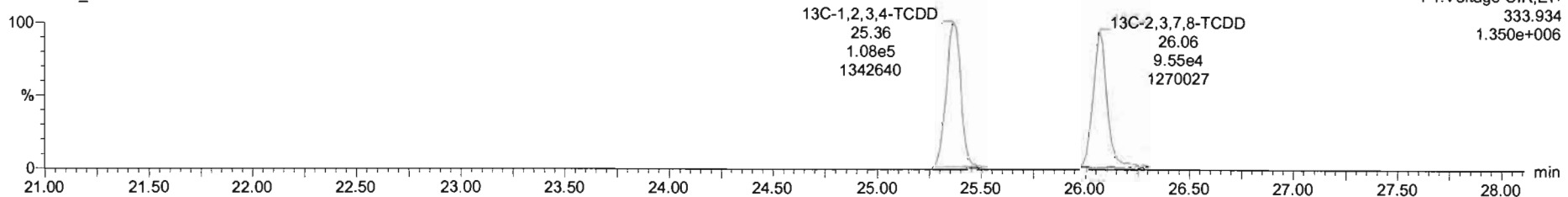


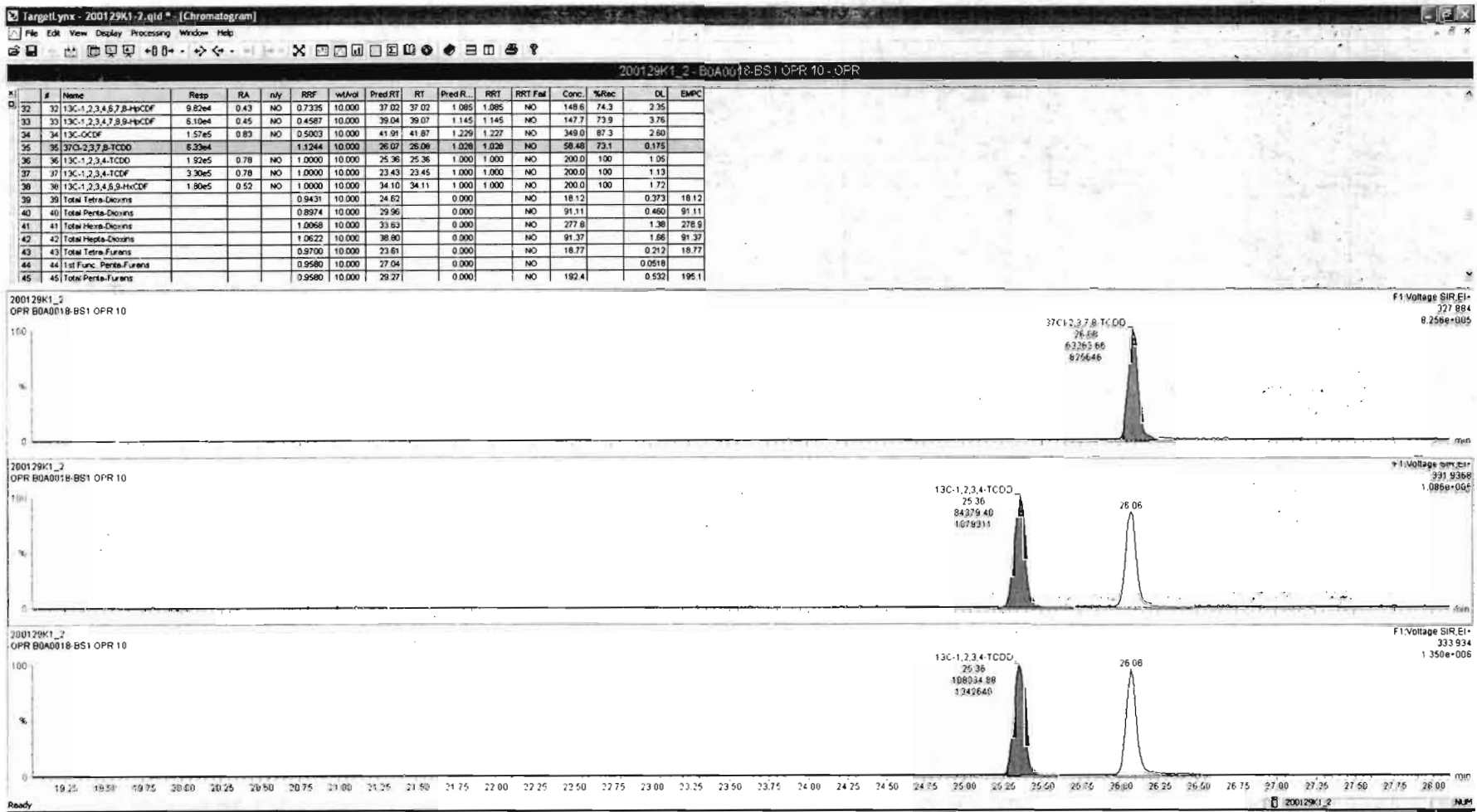
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200129K1_2





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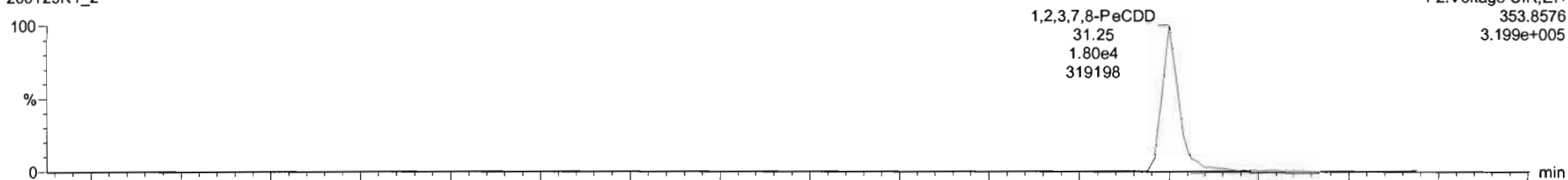
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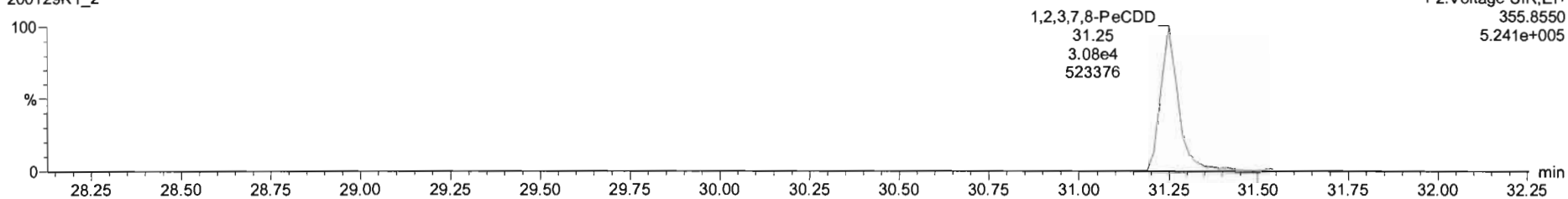
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1,2,3,7,8-PeCDD

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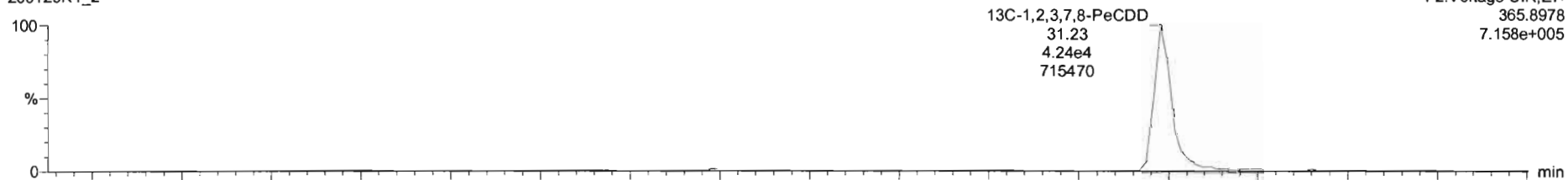


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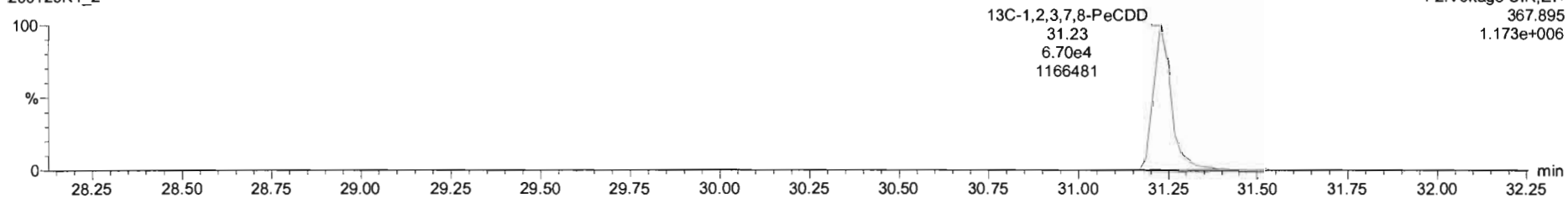


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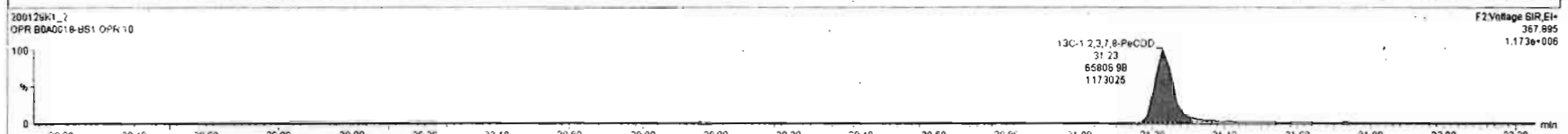
200129K1_2



200129K1_2



Name	Resp	RA	rvy	RRF	wMvd	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.42e4	0.81	NO	0.9431	10.000	26.09	1.001	18.2	0.376	18.2	
2 1,2,3,7,8-PeCDD	4.47e4	0.59	NO	0.8974	10.000	31.25	1.001	94.8	0.445	94.8	
3 1,2,3,4,7,8-HxCDD	4.12e4	1.25	NO	1.1680	10.000	34.59	1.001	99.6	1.33	99.6	
4 1,2,3,6,7,8-HxCDD	4.32e4	1.28	NO	1.0068	10.000	34.69	1.001	87.0	1.24	87.0	
5 1,2,3,7,8,9-HxCDD	3.81e4	1.28	NO	0.9820	10.000	34.97	1.000	91.2	1.43	91.2	
6 1,2,3,4,6,7,8-HpCDD	2.99e4	1.02	NO	1.0622	10.000	38.45	1.001	92.1	1.67	92.1	
7 OCDD	4.93e4	0.89	NO	1.0440	10.000	41.68	1.000	155	2.06	155	
8 2,3,7,8-TCDF	2.33e4	0.74	NO	0.9700	10.000	25.08	1.001	18.8	0.212	18.8	
9 1,2,3,7,8-PeCDF	9.08e4	1.65	NO	0.9580	10.000	29.94	1.001	97.0	0.494	97.0	
10 2,3,4,7,8-PeCDF	8.33e4	1.58	NO	1.0074	10.000	30.93	1.000	96.3	0.529	96.3	
11 1,2,3,4,7,8-HxCDF	7.15e4	1.27	NO	1.1632	10.000	33.74	1.000	96.2	1.12	96.2	
12 1,2,3,6,7,8-HxCDF	7.52e4	1.26	NO	1.1431	10.000	33.86	1.000	97.7	1.03	97.7	
13 2,3,4,6,7,8-HxCDF	7.25e4	1.25	NO	1.2131	10.000	34.43	1.001	93.2	1.14	93.2	
14 1,2,3,7,8,9-HxCDF	4.99e4	1.25	NO	1.1349	10.000	35.31	1.000	90.1	1.85	90.1	



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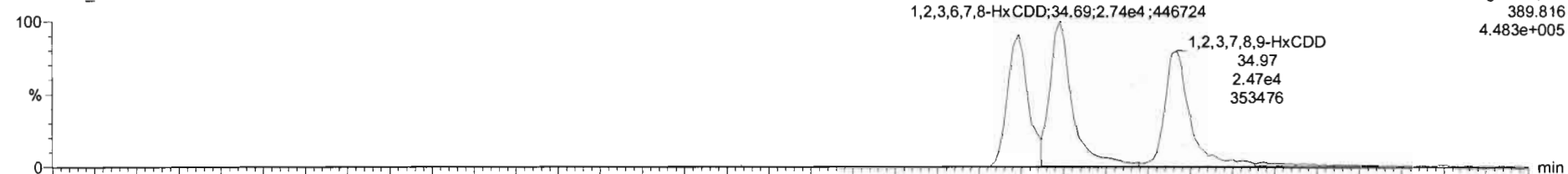
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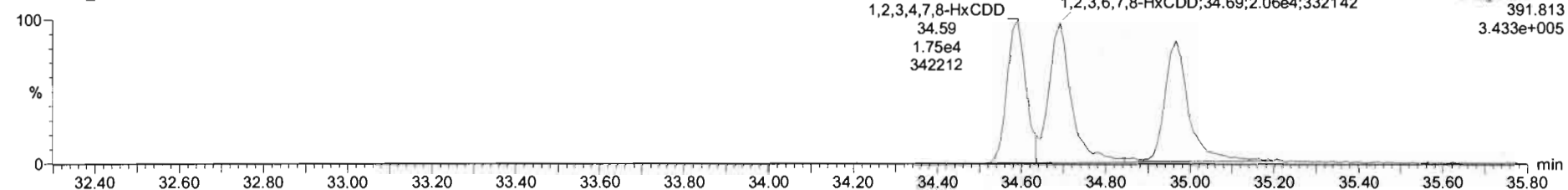
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1,2,3,4,7,8-HxCDD

200129K1_2

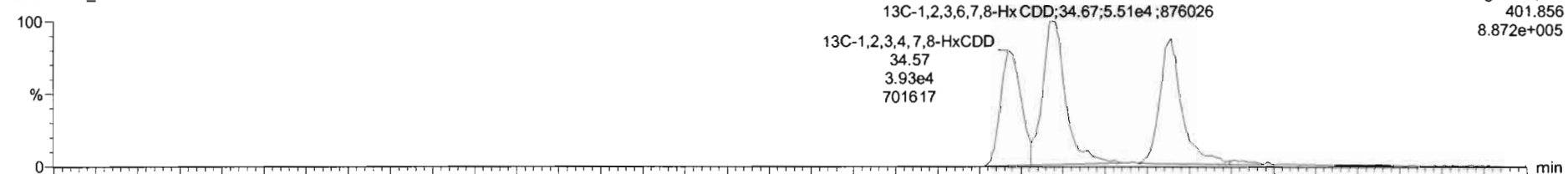


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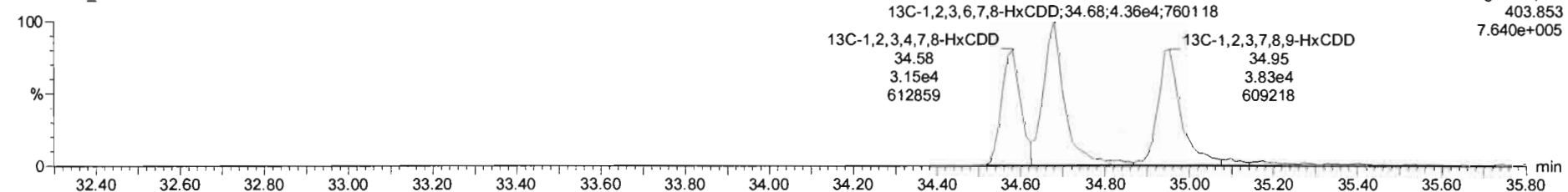


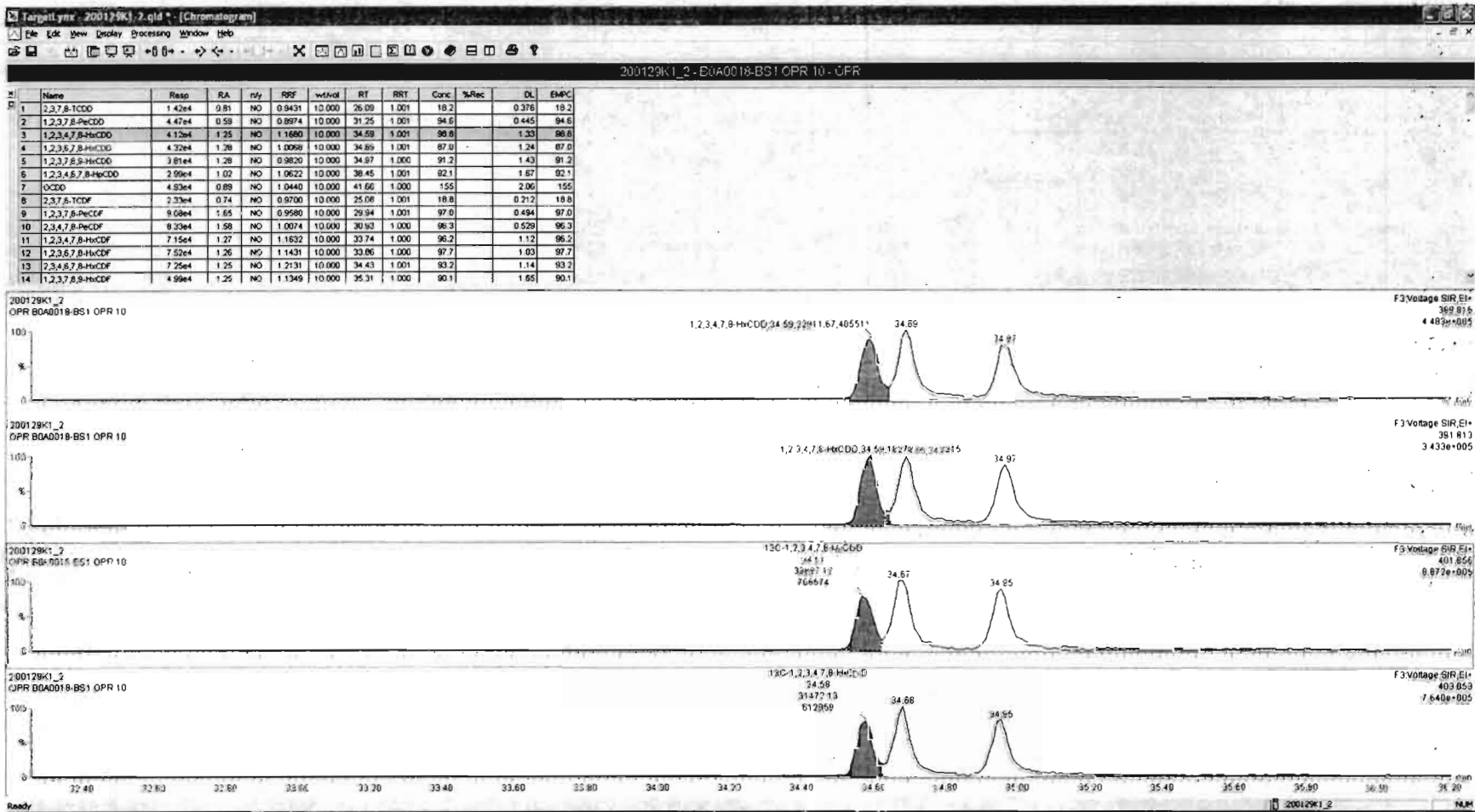
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200129K1_2



200129K1_2

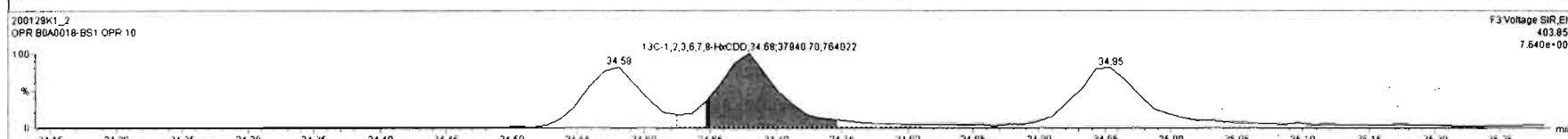
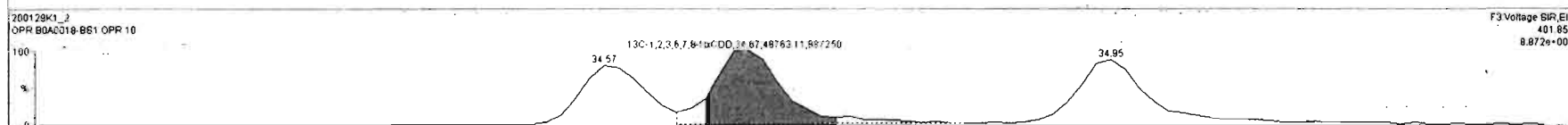
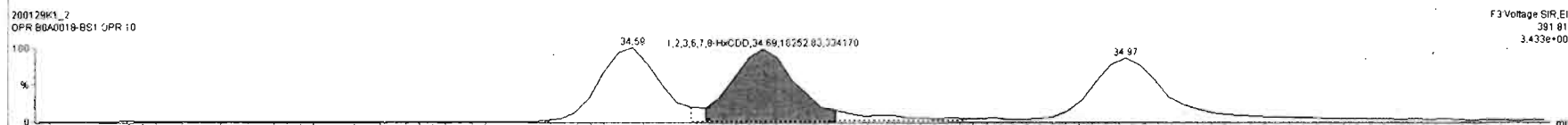
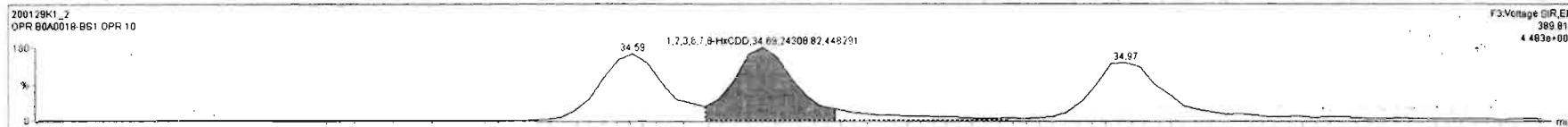




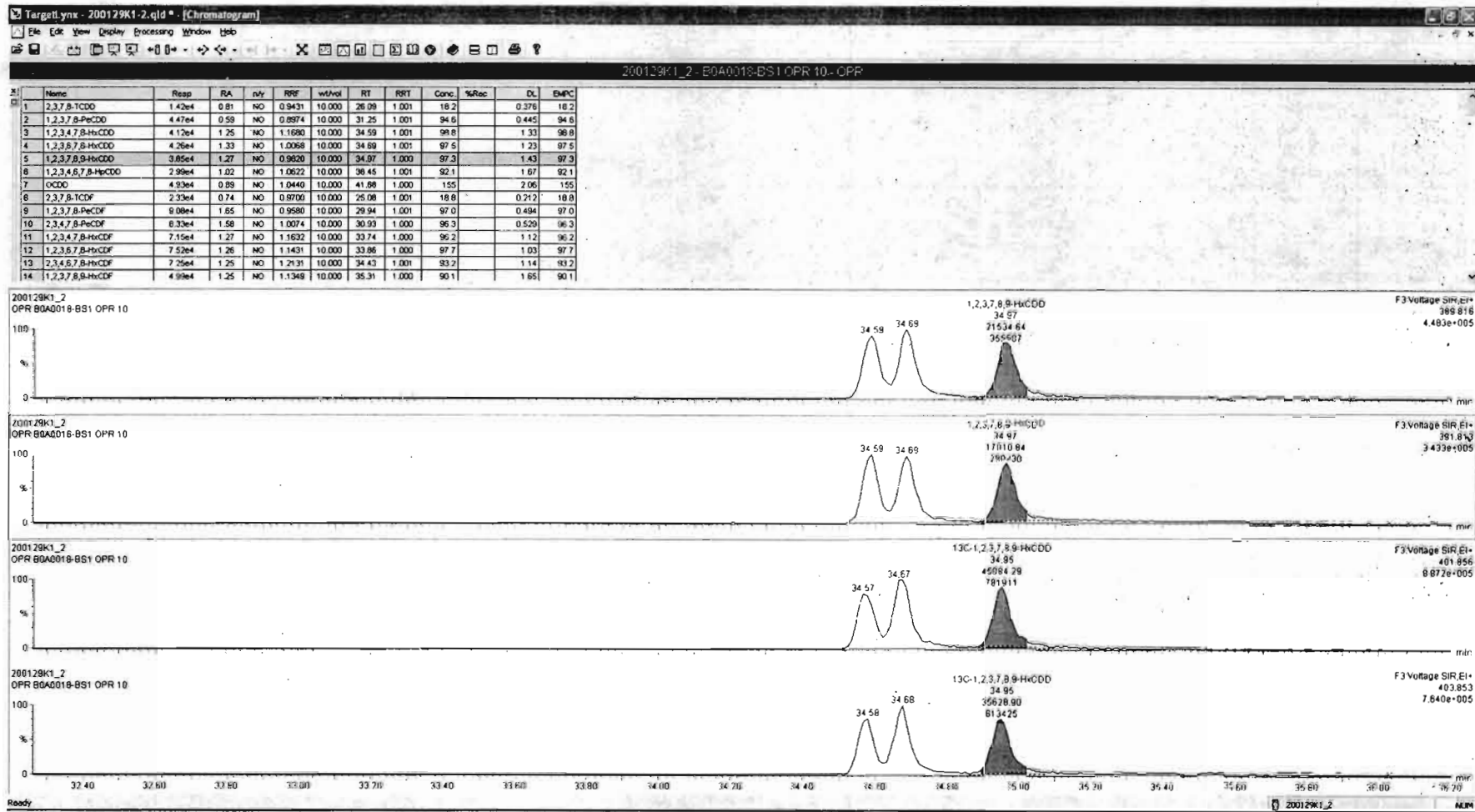
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 File Edit View Display Processing Window Help

200129K1_2 - B0A0018-BS1 OPR 10 - OPR

#	Name	Resp	RA	n/y	RRF	wtMol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.42e4	0.81	NO	0.9431	10.000	26.08	1.001	18.2		0.376	18.2
2	1,2,3,7,8-PeCDD	4.47e4	0.58	NO	0.8874	10.000	31.25	1.001	94.6		0.445	94.6
3	1,2,3,4,7,8-HxCDD	4.12e4	1.25	NO	1.1680	10.000	34.58	1.001	98.8		1.33	98.8
4	1,2,3,6,7,8-HxCDD	4.26e4	1.33	NO	1.0068	10.000	34.89	1.001	97.5		1.23	97.5
5	1,2,3,7,8,9-HxCDD	3.81e4	1.28	NO	0.9620	10.000	34.97	1.000	91.2		1.43	91.2
6	1,2,3,4,6,7,8-HxCDD	2.98e4	1.02	NO	1.0522	10.000	38.45	1.001	92.1		1.67	92.1
7	OCDD	4.93e4	0.89	NO	1.0440	10.000	41.68	1.000	155		3.06	155
8	2,3,7,8-TCDF	2.33e4	0.74	NO	0.8709	10.000	26.08	1.001	18.8		0.212	18.8
9	1,2,3,7,8-PeCDF	9.06e4	1.55	NO	0.9580	10.000	29.94	1.001	97.0		0.494	97.0
10	2,3,4,7,8-PeCDF	6.33e4	1.58	NO	1.0074	10.000	30.23	1.000	96.3		0.528	96.3
11	1,2,3,4,7,8-HxCDF	7.15e4	1.27	NO	1.1633	10.000	33.74	1.000	98.2		1.12	98.2
12	1,2,3,6,7,8-HxCDF	7.52e4	1.26	NO	1.1431	10.000	33.86	1.000	97.7		1.03	97.7
13	2,3,4,6,7,8-HxCDF	7.25e4	1.25	NO	1.2131	10.000	34.43	1.001	93.2		1.14	93.2
14	1,2,3,7,8,9-HxCDF	4.98e4	1.25	NO	1.1349	10.000	35.31	1.000	90.1		1.65	90.1



Ready 200129K1_2



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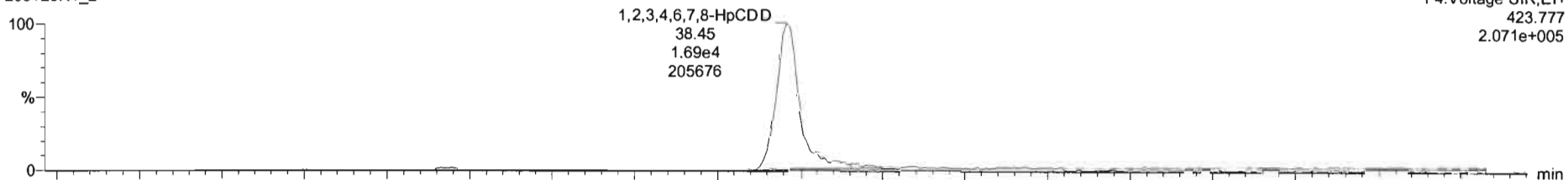
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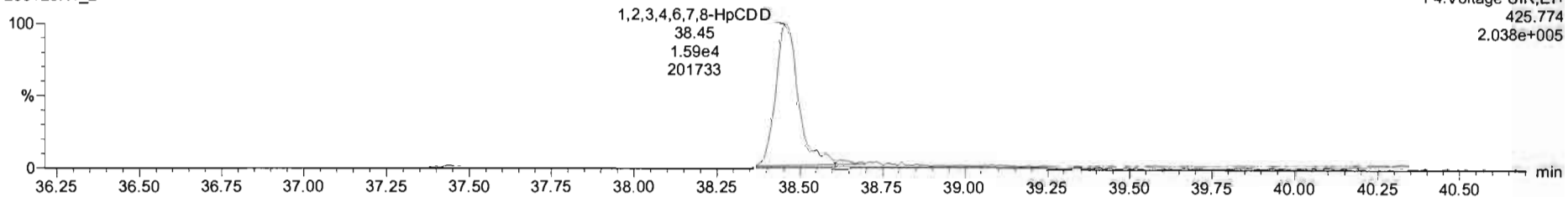
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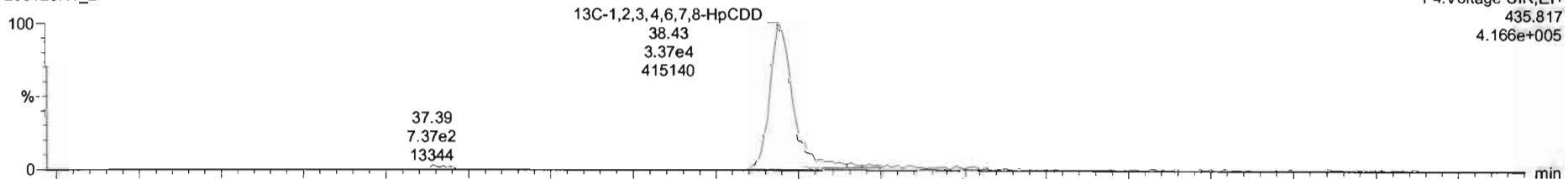


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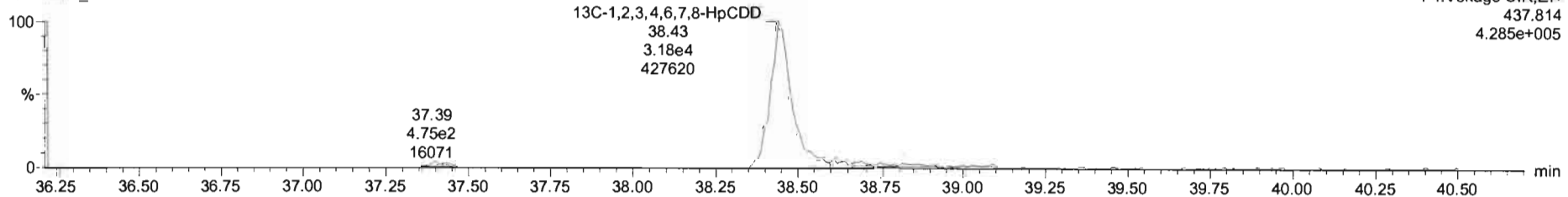


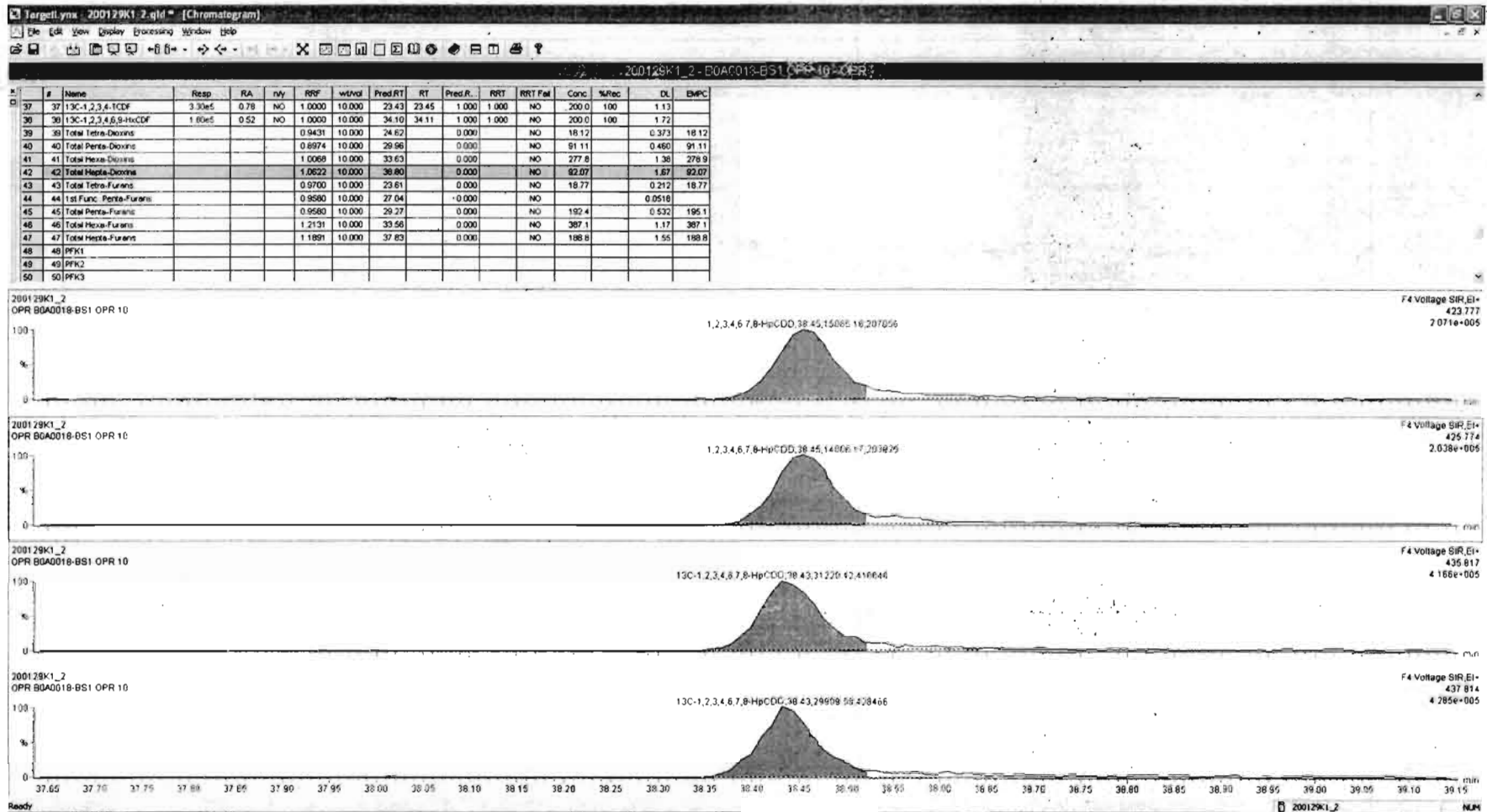
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200129K1_2



200129K1_2





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OCDD

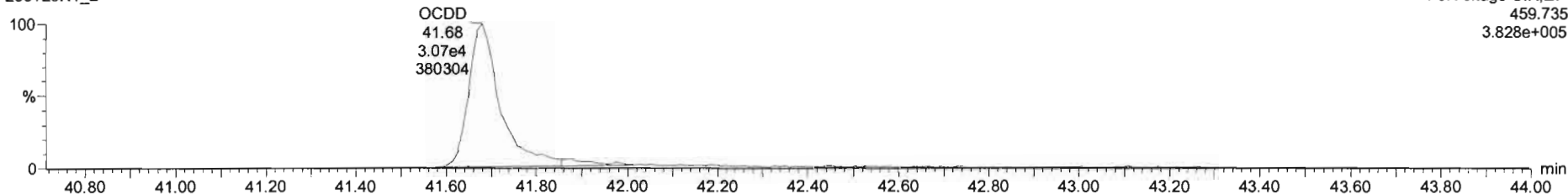
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3.450e+005



200129K1_2

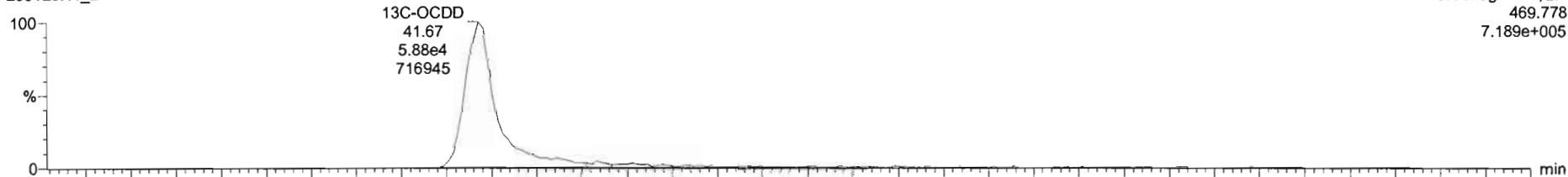
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3.828e+005



13C-OCDD

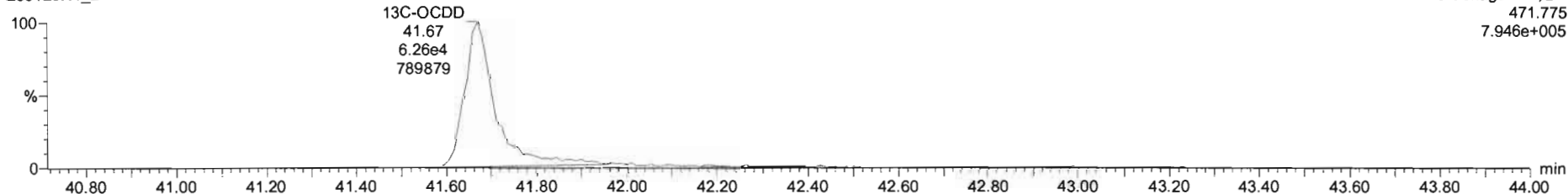
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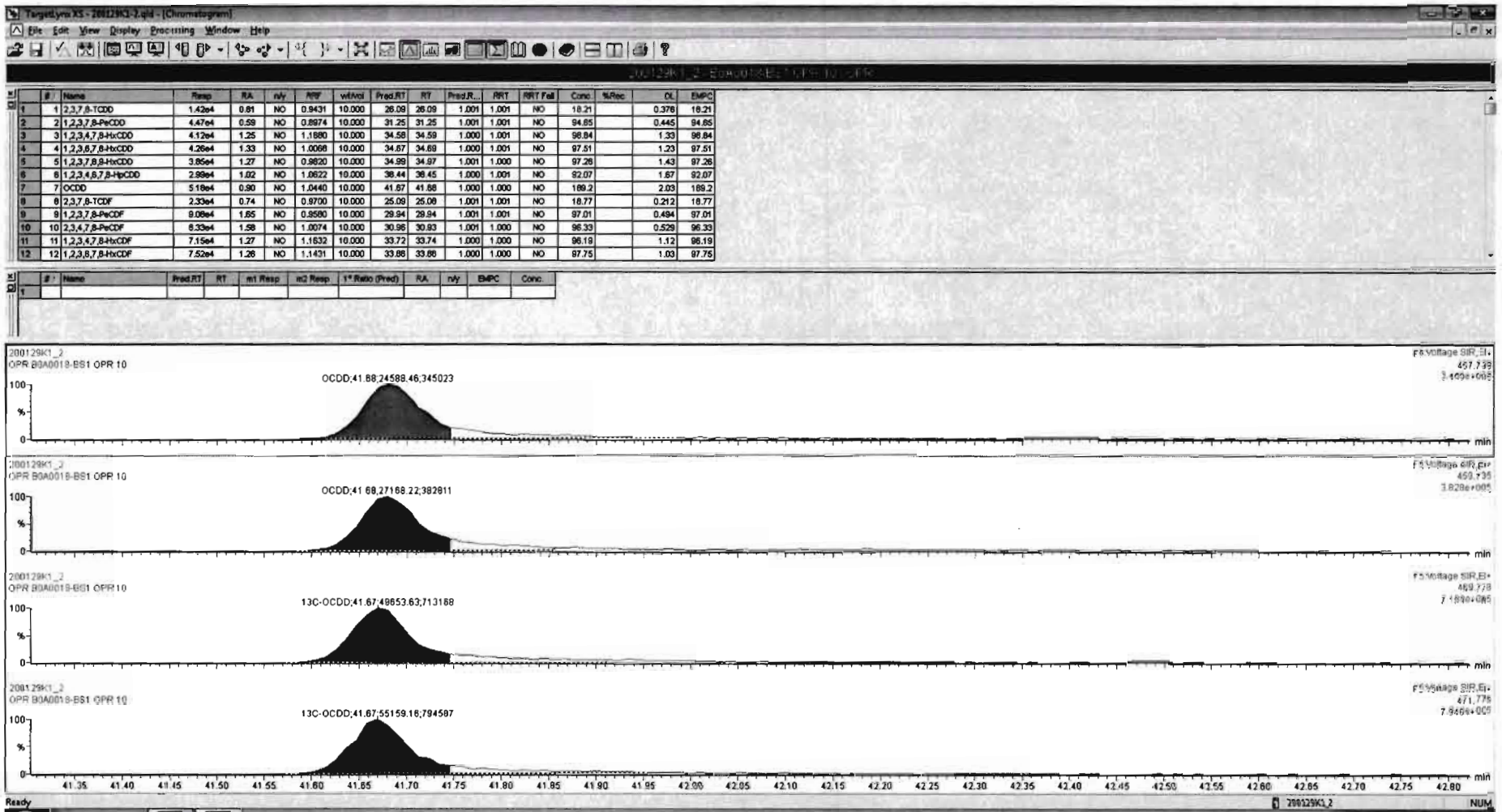
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200129K1_2

F5:Voltage SIR,EI+
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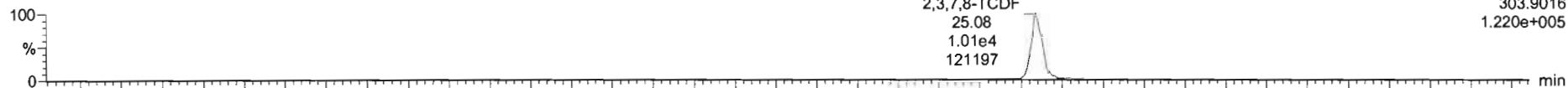
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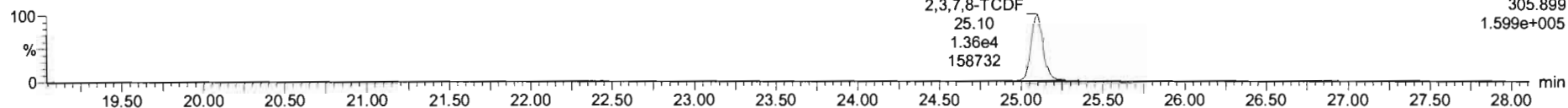
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2,3,7,8-TCDF

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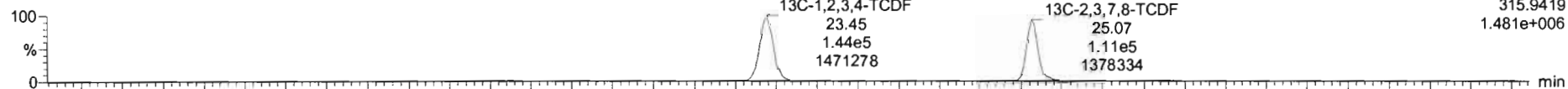


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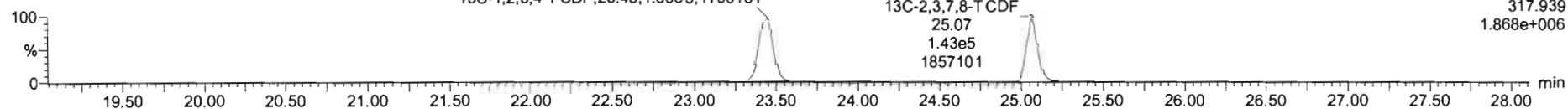


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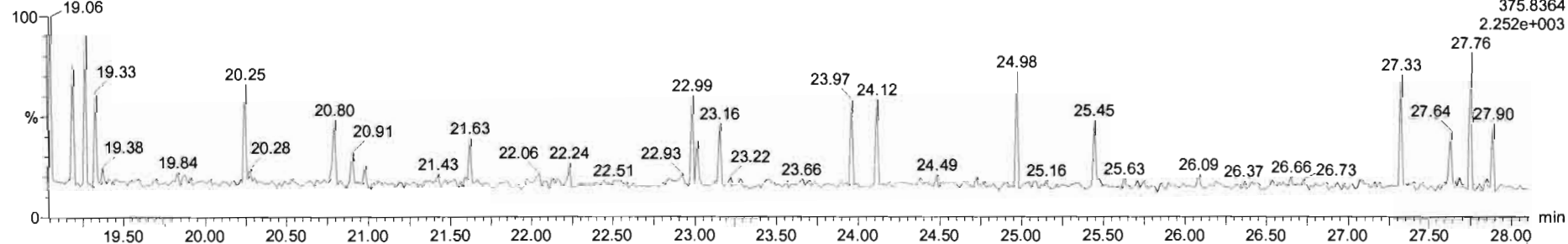


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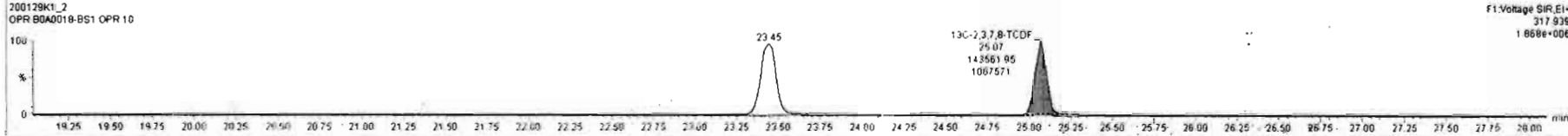
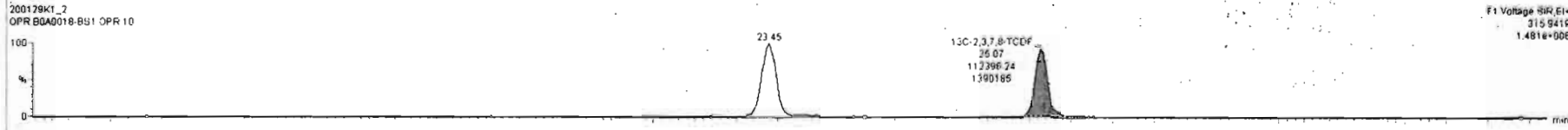


DPE1

200129K1_2



#	Name	Resp	RA	n/y	RfF	wtVol	Pred RT	RT	Pred R	RRT	RRT Fat	Conc	%Rec	DL	EMPC
37	13C-1,2,3,4-TCDF	3.30e5	0.78	NO	1.0000	10.000	23.43	23.45	1.000	1.000	NO	200.0	100	1.13	
38	13C-1,2,3,4,6,8-HxCDF	1.80e5	0.52	NO	1.0000	10.000	34.10	34.11	1.000	1.000	NO	200.0	100	1.72	
39	Total Tetra-Dioxins				0.9431	10.000	24.62		0.000		NO	18.12		0.371	18.12
40	Total Penta-Dioxins				0.8874	10.000	29.96		0.000		NO	91.11		0.460	91.11
41	Total Hexa-Dioxins				1.0069	10.000	33.83		0.000		NO	277.8		1.38	278.9
42	Total Hepta-Dioxins				1.0622	10.000	38.80		0.000		NO	92.07		1.67	92.07
43	Total Tetra-Furans				0.9700	10.000	23.81		0.000		NO	18.77		0.212	18.77
44	1st Func. Penta-Furans				0.9560	10.000	27.04		0.000		NO			0.0518	
45	Total Penta-Furans				0.9580	10.000	29.27		0.000		NO	192.4		0.532	195.1
46	Total Hexa-Furans				1.2131	10.000	33.56		0.000		NO	387.1		1.17	387.1
47	Total Hepta-Furans				1.1891	10.000	37.83		0.000		NO	188.8		1.55	188.8
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49	PFK2														
50	PFK3														



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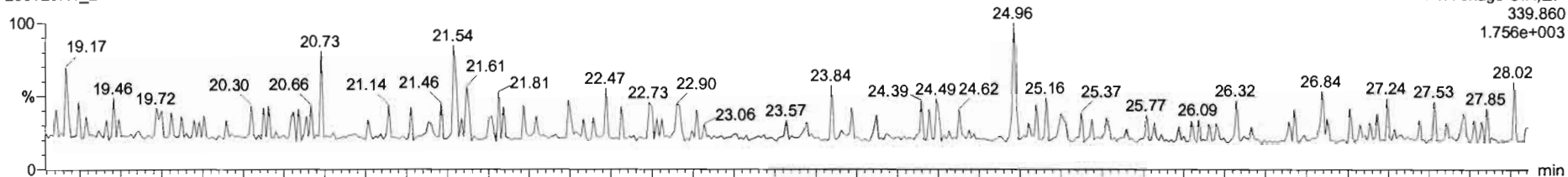
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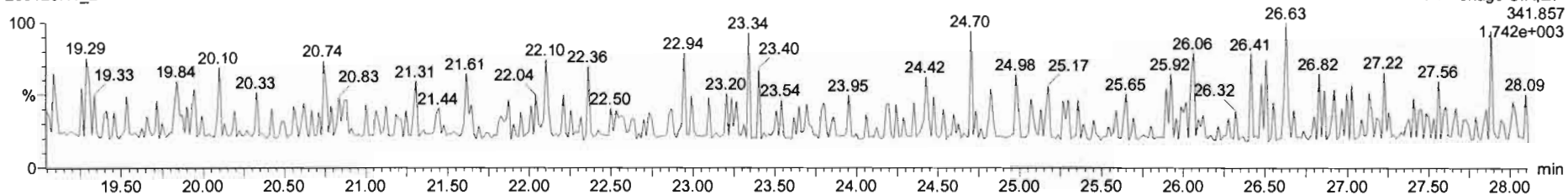
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200129K1_2

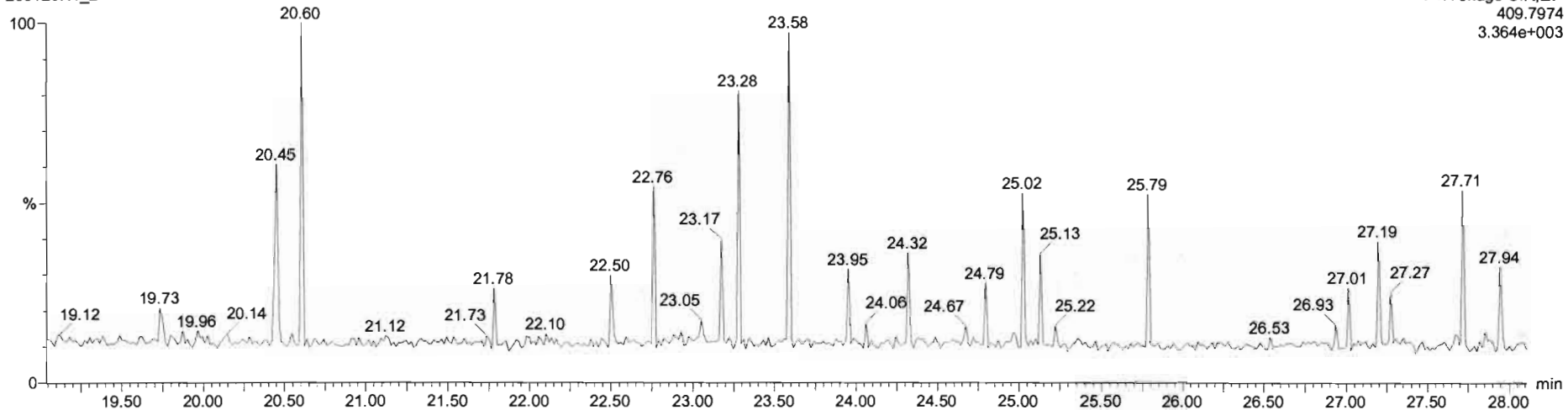


200129K1_2



DPE6

200129K1_2

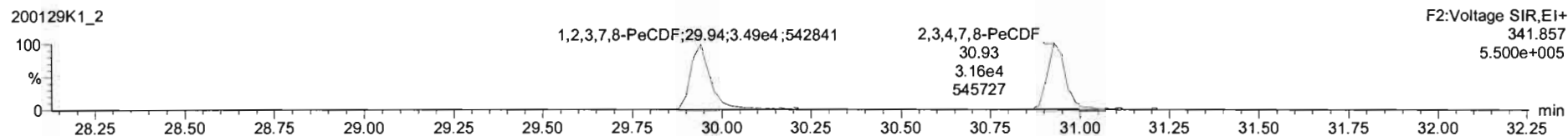
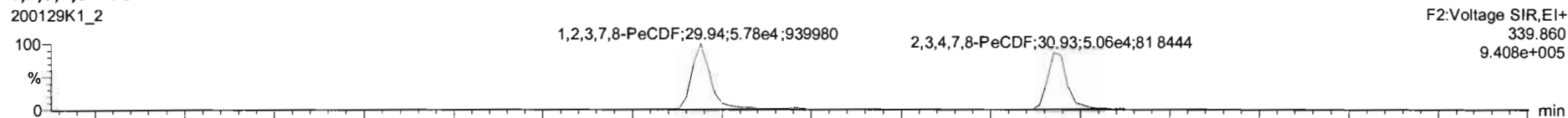


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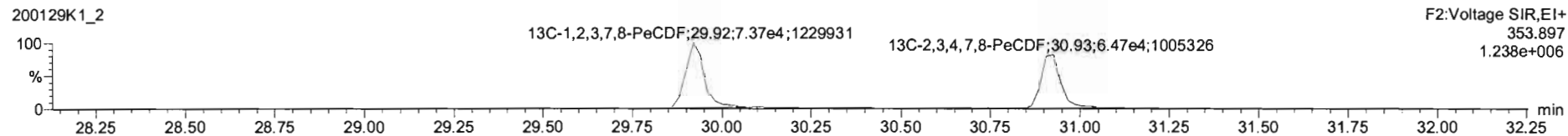
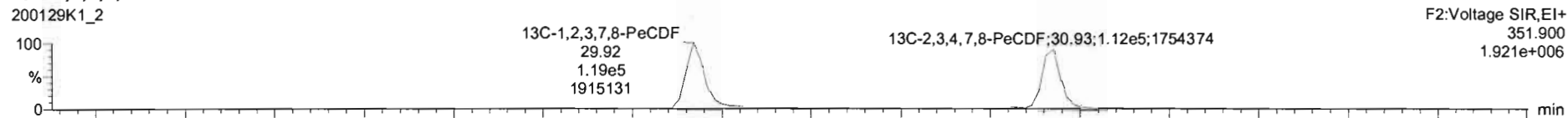
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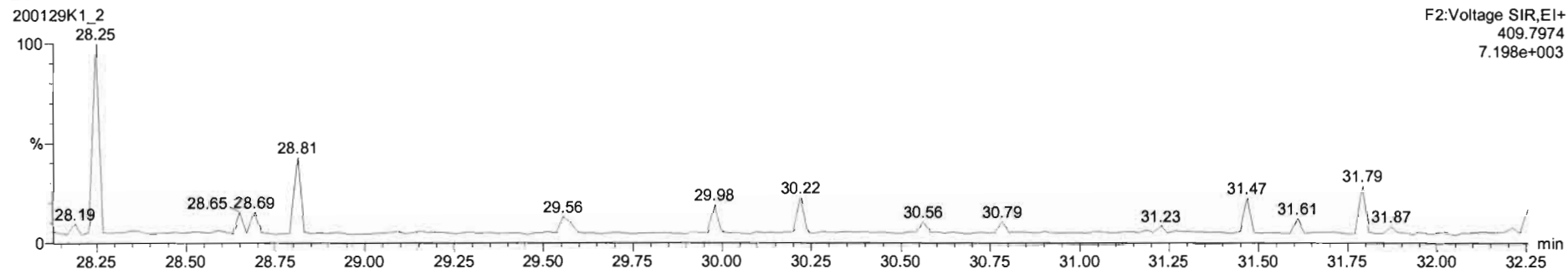
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13C-1,2,3,7,8-PeCDF

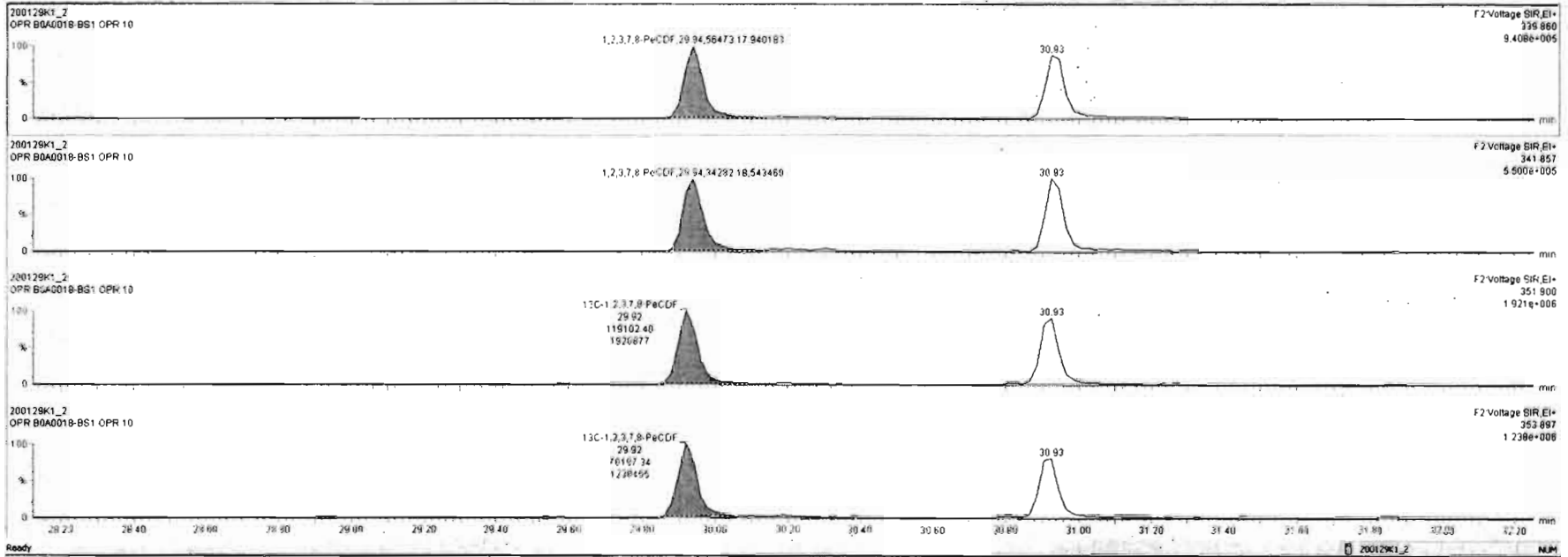


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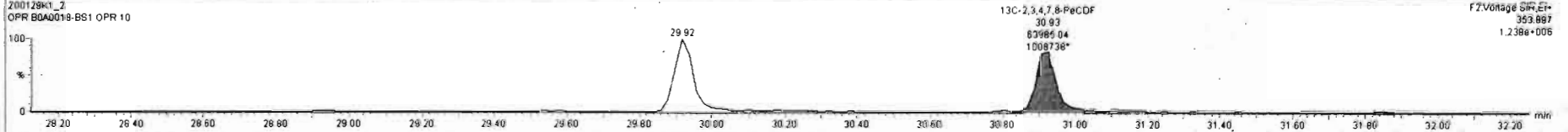
200129K1_2_B0A0018-BS1 OPR 10 - OPR

#	Name	Resp	RA	n/y	RRF	wtAvr	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EmPC
5	1,2,3,7,8,9-HxCDD	3.81e4	1.28	NO	0.9820	10.000	34.99	34.97	1.001	1.000	NO	91.17		1.43	91.17
6	1,2,3,4,6,7,8-HpCDD	2.99e4	1.02	NO	1.0622	10.000	38.44	38.45	1.000	1.001	NO	92.07		1.67	92.07
7	OCDD	4.93e4	0.88	NO	1.0440	10.000	41.67	41.68	1.000	1.000	NO	155.5		2.06	155.5
8	1,2,3,7,8-TCDF	2.33e4	0.74	NO	0.9700	10.000	25.09	25.08	1.001	1.001	NO	10.77		0.212	10.77
9	1,2,3,7,8-PeCDF	9.08e4	1.65	NO	0.9580	10.000	29.94	29.94	1.001	1.001	NO	87.01		0.494	87.01
10	1,2,3,4,7,8-PeCDF	8.22e4	1.60	NO	1.0074	10.000	30.96	30.93	1.001	1.000	NO	92.14		0.536	92.14
11	1,2,3,4,7,8-HxCDF	7.39e4	1.29	NO	1.1632	10.000	33.72	33.74	1.000	1.000	NO	96.50		1.12	96.50
12	1,2,3,6,7,8-HxCDF	8.50e4	1.31	NO	1.1421	10.000	33.86	33.86	1.000	1.000	NO	99.54		1.03	99.54
13	1,2,3,4,6,7,8-HxCDF	7.22e4	1.19	NO	1.2131	10.000	34.44	34.43	1.001	1.001	NO	96.47		1.18	96.47
14	1,2,3,7,8,9-HxCDF	5.47e4	1.33	NO	1.1349	10.000	35.28	35.31	1.000	1.000	NO	94.56		1.66	94.56
15	1,2,3,4,6,7,8-HpCDF	5.56e4	1.03	NO	1.1891	10.000	37.05	37.04	1.001	1.001	NO	95.28		1.28	95.28
16	1,2,3,4,7,8,9-HpCDF	3.97e4	1.06	NO	1.3896	10.000	39.07	39.07	1.000	1.000	NO	93.55		1.71	93.55
17	OCDF	7.10e4	0.90	NO	1.0614	10.000	41.67	41.68	1.000	1.000	NO	164.4		1.64	164.4
18	1,13C-2,3,7,8-TCDD	1.66e5	0.74	NO	1.1733	10.000	26.05	26.06	1.027	1.028	NO	147.5	73.7	0.651	



200129K1_2 - B0A0018-BS1-OPR 10 - OPR

#	Name	Resp	RA	rvy	RPF	wtAvr	Pred RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
5	1,2,3,7,8,9-HxCDD	3.91e4	1.28	NO	0.9820	10.000	34.99	34.97	1.001	1.000	NO	91.17		1.43	91.17
6	1,2,3,4,6,7,8-HpCDD	2.99e4	1.02	NO	1.0622	10.000	38.44	38.45	1.000	1.001	NO	92.07		1.67	92.07
7	OCDD	4.93e4	0.89	NO	1.0440	10.000	41.67	41.68	1.000	1.000	NO	155.5		2.06	155.5
8	2,3,7,8-TCDF	2.33e4	0.74	NO	0.9700	10.000	25.09	25.08	1.001	1.001	NO	18.77		0.212	18.77
9	1,2,3,7,8-PeCDF	9.08e4	1.85	NO	0.9590	10.000	29.94	29.94	1.001	1.001	NO	97.01		0.494	97.01
10	2,3,4,7,8-PeCDF	8.22e4	1.60	NO	1.0074	10.000	30.96	30.93	1.001	1.000	NO	92.14		0.536	92.14
11	1,2,3,4,7,8-HxCDF	7.09e4	1.29	NO	1.1632	10.000	33.72	33.74	1.000	1.000	NO	96.50		1.12	96.50
12	1,2,3,6,7,8-HxCDF	8.50e4	1.31	NO	1.1431	10.000	33.86	33.86	1.000	1.000	NO	99.54		1.03	99.54
13	2,3,4,6,7,8-HxCDF	7.22e4	1.19	NO	1.2131	10.000	34.44	34.43	1.001	1.001	NO	96.47		1.18	96.47
14	1,2,3,7,8,9-HxCDF	5.47e4	1.33	NO	1.1349	10.000	35.29	35.31	1.000	1.000	NO	94.56		1.66	94.56
15	1,2,3,4,6,7,8-HpCDF	5.56e4	1.03	NO	1.1891	10.000	37.05	37.04	1.001	1.001	NO	95.29		1.28	95.28
16	1,2,3,4,7,8,9-HpCDF	3.97e4	1.06	NO	1.3896	10.000	39.07	39.07	1.000	1.000	NO	93.55		1.71	93.55
17	OCDF	7.10e4	0.90	NO	1.0614	10.000	41.87	41.88	1.000	1.000	NO	184.4		1.64	184.4
18	13C-2,3,7,8-TCDD	1.66e5	0.74	NO	1.1733	10.000	26.05	26.06	1.027	1.028	NO	147.5	73.7	0.891	



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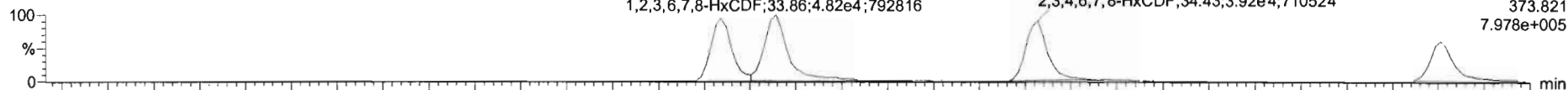
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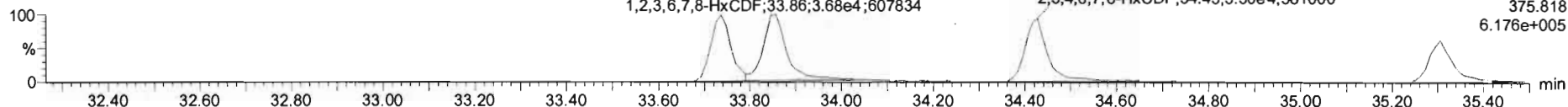
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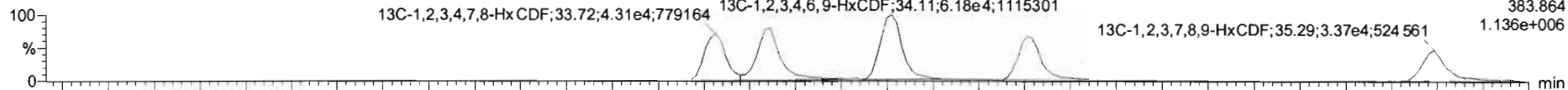


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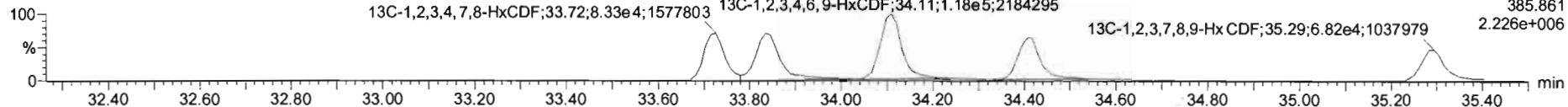


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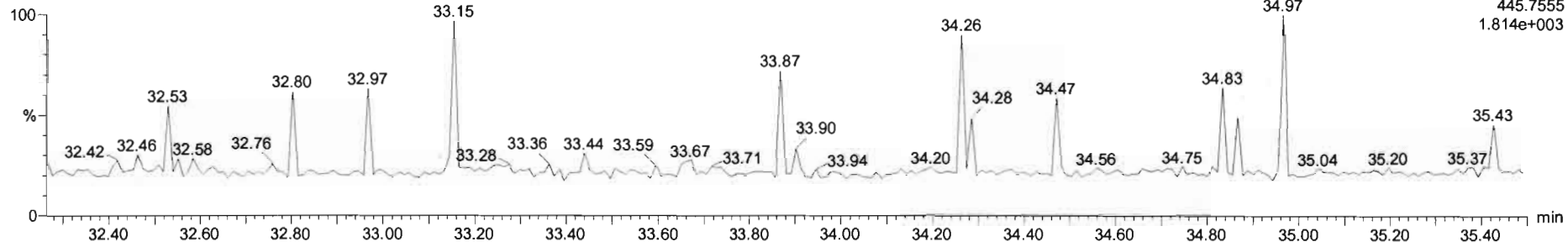


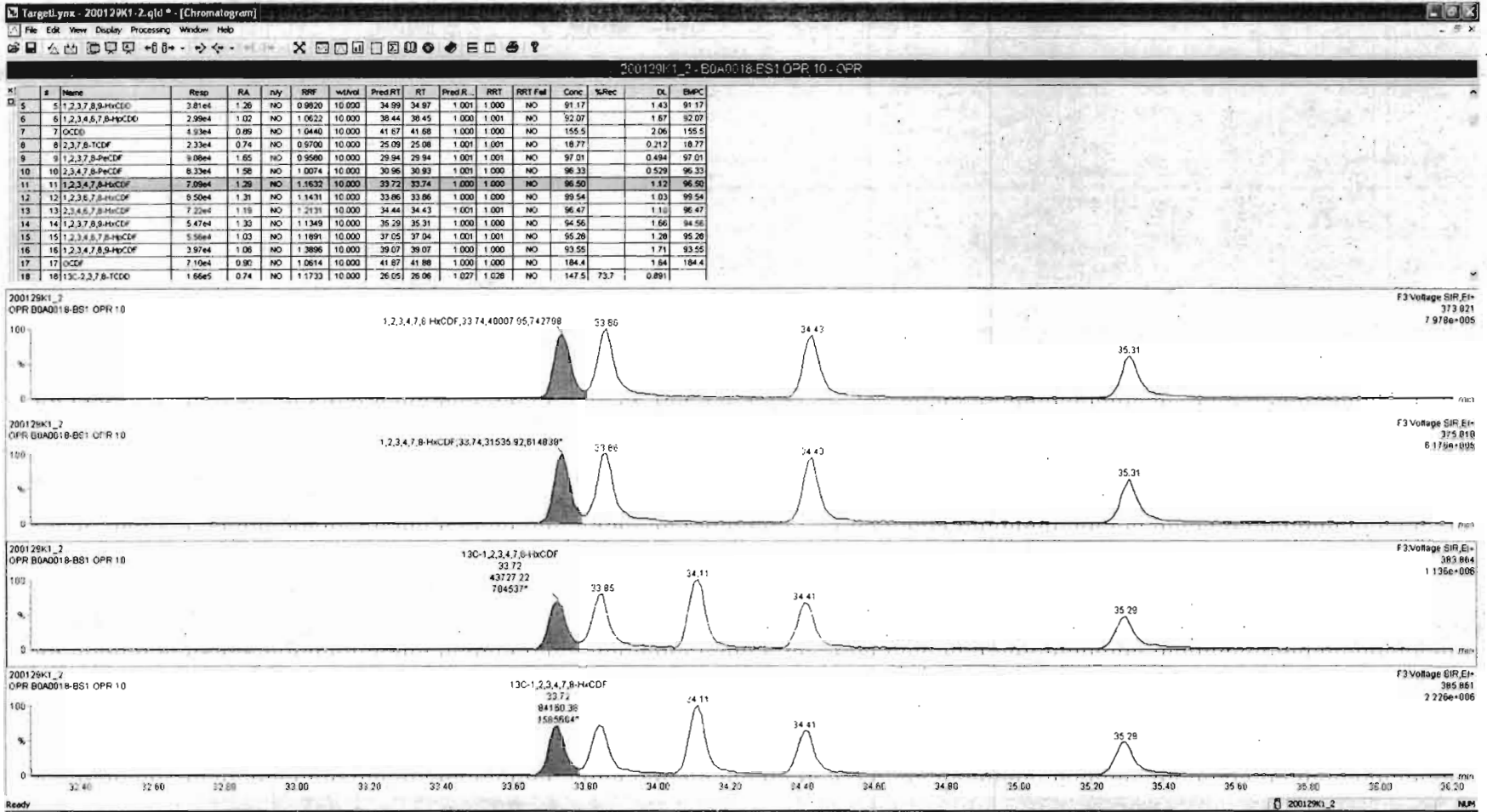
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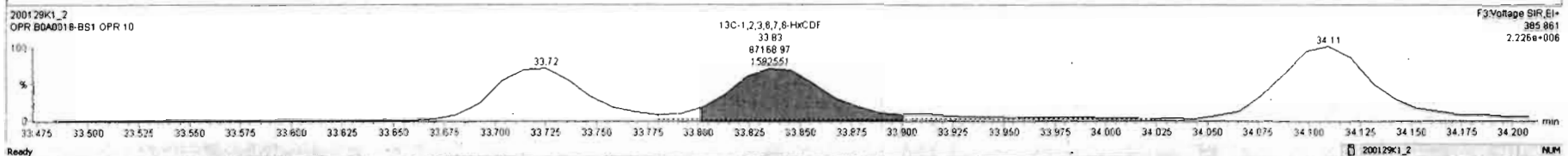
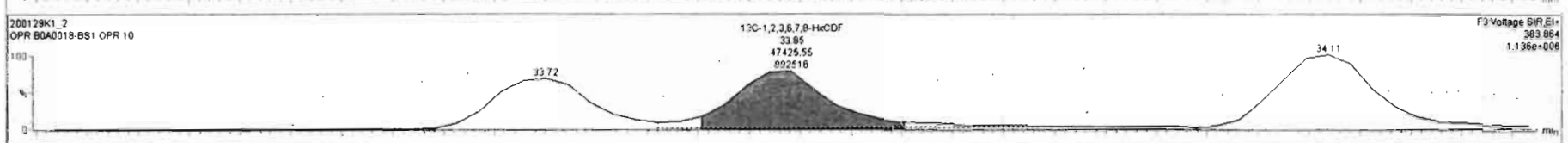
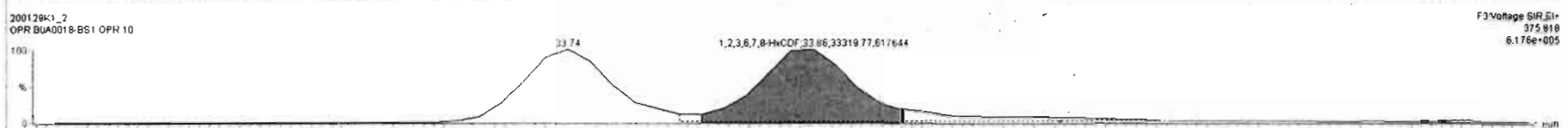
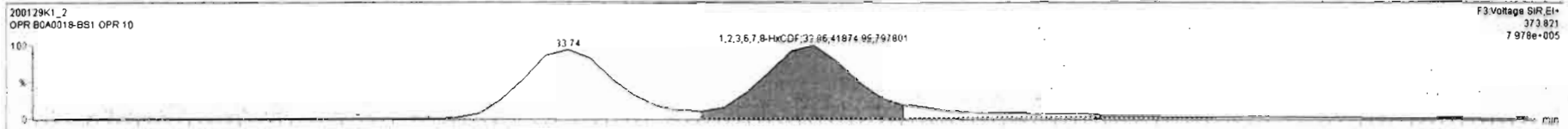
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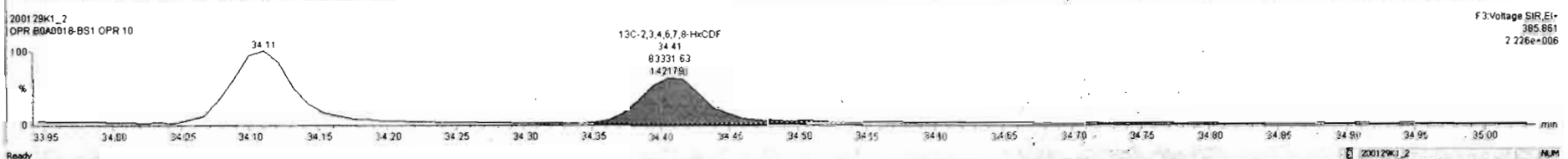
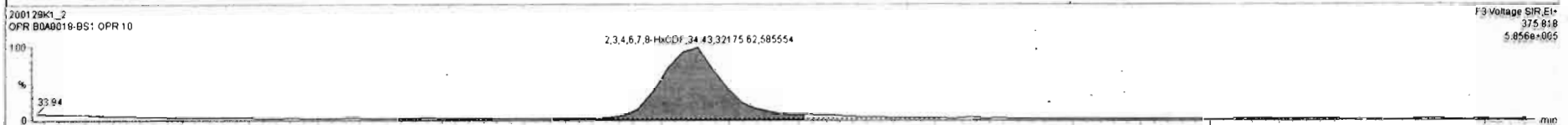
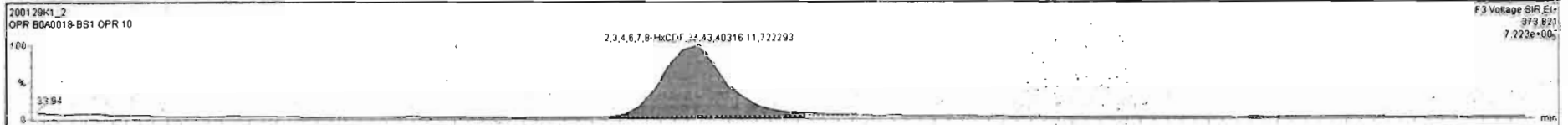




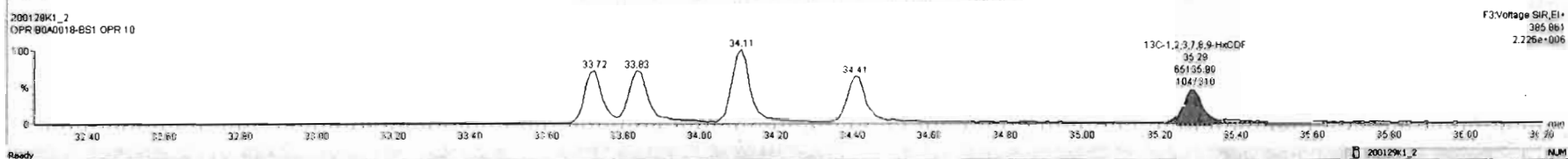
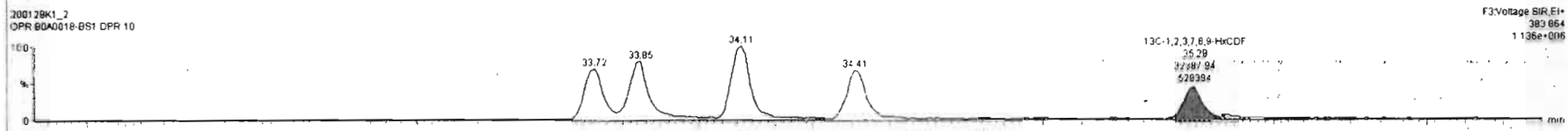
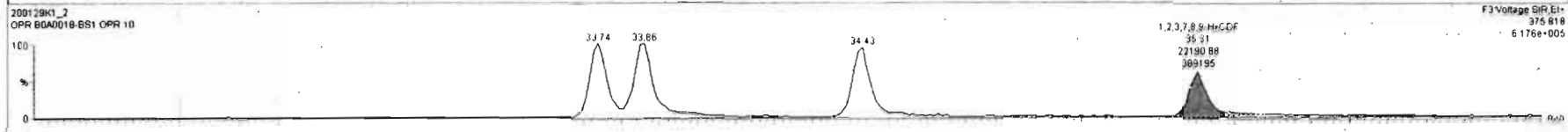
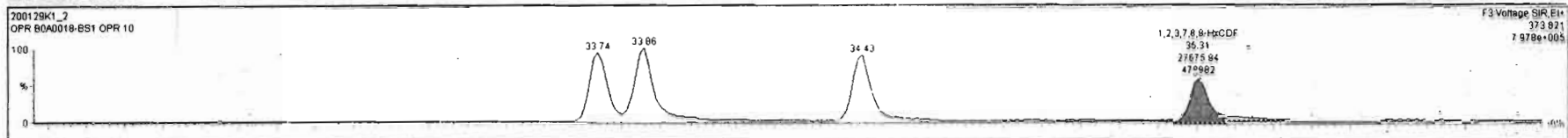
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5	1,2,3,7,8,9-HxCDD	3.81e4	1.28	NO	0.9820	10.000	34.99	34.97	1.001	1.000	NO	91.17		1.43	91.17
6	1,2,3,4,6,7,8-HxCDD	2.98e4	1.02	NO	1.0622	10.000	38.44	38.45	1.000	1.001	NO	92.07		1.67	92.07
7	OCDD	4.83e4	0.89	NO	1.0440	10.000	41.67	41.66	1.000	1.000	NO	155.5		2.06	155.5
8	1,2,3,7,8-TCDF	2.33e4	0.74	NO	0.9700	10.000	25.09	25.08	1.001	1.001	NO	18.77		0.212	18.77
9	1,2,3,7,8-PeCDF	9.08e4	1.85	NO	0.9580	10.000	29.94	29.94	1.001	1.001	NO	97.01		0.494	97.01
10	1,2,3,4,7,8-PeCDF	8.33e4	1.58	NO	1.0074	10.000	30.96	30.93	1.001	1.000	NO	96.33		0.529	96.33
11	1,2,3,4,7,8-HxCDF	7.15e4	1.27	NO	1.1632	10.000	33.72	33.74	1.000	1.000	NO	96.19		1.12	96.19
12	1,2,3,6,7,8-HxCDF	7.52e4	1.26	NO	1.1431	10.000	33.86	33.86	1.000	1.000	NO	97.75		1.03	97.75
13	1,2,3,4,6,7,8-HxCDF	7.22e4	1.19	NO	1.2131	10.000	34.44	34.43	1.001	1.001	NO	96.47		1.18	96.47
14	1,2,3,7,8,9-HxCDF	5.47e4	1.33	NO	1.1349	10.000	35.29	35.31	1.000	1.000	NO	94.56		1.66	94.56
15	1,2,3,4,6,7,8-HxCDF	5.56e4	1.03	NO	1.1891	10.000	37.05	37.04	1.001	1.001	NO	95.28		1.28	95.28
16	1,2,3,4,7,8,9-HxCDF	3.97e4	1.06	NO	1.3886	10.000	39.07	39.07	1.000	1.000	NO	93.55		1.71	93.55
17	OCDF	7.10e4	0.90	NO	1.0614	10.000	41.87	41.86	1.000	1.000	NO	134.4		1.64	134.4
18	13C-1,2,3,7,8-1CDD	1.66e5	0.74	NO	1.1733	10.000	26.05	26.06	1.027	1.026	NO	147.5	73.7	0.891	



#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
5	1,2,3,7,8,9-HxCDD	3.81e4	1.28	NO	0.9920	10.000	34.99	34.97	1.001	1.000	NO	91.17		1.43	91.17
6	1,2,3,4,6,7,8-HpCDD	2.99e4	1.02	NO	1.0622	10.000	38.44	38.45	1.000	1.001	NO	92.07		1.57	92.07
7	OCDD	4.83e4	0.89	NO	1.0440	10.000	41.67	41.68	1.000	1.000	NO	155.5		2.06	155.5
8	2,3,7,8-TCDF	2.33e4	0.74	NO	0.9700	10.000	25.09	25.08	1.001	1.001	NO	18.77		0.212	18.77
9	1,2,3,7,8-PeCDF	9.08e4	1.65	NO	0.9580	10.000	29.94	29.94	1.001	1.001	NO	97.01		0.494	97.01
10	2,3,4,7,8-PeCDF	8.33e4	1.58	NO	1.0074	10.000	30.96	30.93	1.001	1.000	NO	96.33		0.529	96.33
11	1,2,3,4,7,8-HxCDF	7.15e4	1.27	NO	1.1632	10.000	33.72	33.74	1.000	1.000	NO	96.19		1.12	96.19
12	1,2,3,6,7,8-HxCDF	7.52e4	1.26	NO	1.1431	10.000	33.86	33.86	1.000	1.000	NO	97.75		1.03	97.75
13	2,3,4,6,7,8-HxCDF	7.25e4	1.25	NO	1.2131	10.000	34.44	34.43	1.001	1.001	NO	93.18		1.14	93.18
14	1,2,3,7,8,9-HxCDF	6.47e4	1.33	NO	1.1349	10.000	35.29	35.31	1.000	1.000	NO	94.56		1.55	94.56
15	1,2,3,4,6,7,8-HpCDF	5.56e4	1.03	NO	1.1891	10.000	37.05	37.04	1.001	1.001	NO	95.28		1.28	95.28
16	1,2,3,4,7,8-HpCDF	3.97e4	1.06	NO	1.3896	10.000	36.07	36.07	1.000	1.000	NO	93.55		1.71	93.55
17	OCDF	7.10e4	0.90	NO	1.0614	10.000	41.87	41.89	1.000	1.000	NO	184.4		1.64	184.4
18	13C-2,3,7,8-TCDD	1.66e5	0.74	NO	1.1733	10.000	26.05	26.06	1.027	1.028	NO	147.5	73.7	0.891	



#	Name	Resp	RA	nY	RRF	wtVol	Pred RT	RT	Pred R _w	RR1	RRT Fw	Conc	%Rec	DL	EMPC
5	1,2,3,7,8,9-HxCDD	3.81e4	1.28	NO	0.9820	10.000	34.59	34.97	1.001	1.000	NO	91.17		1.43	91.17
6	1,2,3,4,6,7,8-HxCDD	2.99e4	1.02	NO	1.0622	10.000	38.44	38.45	1.000	1.001	NO	92.07		1.67	92.07
7	OCDD	4.93e4	0.89	NO	1.0440	10.000	41.67	41.68	1.000	1.000	NO	155.5		2.06	155.5
8	2,3,7,8-TCDF	2.33e4	0.74	NO	0.9700	10.000	25.09	25.08	1.001	1.001	NO	18.77		0.212	18.77
9	1,2,3,7,8-PeCDF	9.08e4	1.65	NO	0.9580	10.000	29.94	29.94	1.001	1.001	NO	97.01		0.494	97.01
10	2,3,4,7,8-PeCDF	8.33e4	1.58	NO	1.0074	10.000	30.96	30.93	1.001	1.000	NO	96.33		0.529	96.33
11	1,2,3,4,7,8-HxCDF	7.15e4	1.27	NO	1.1632	10.000	33.72	33.74	1.000	1.000	NO	96.19		1.12	96.19
12	1,2,3,6,7,8-HxCDF	7.52e4	1.26	NO	1.1431	10.000	33.86	33.86	1.000	1.000	NO	97.75		1.03	97.75
13	2,3,4,6,7,8-HxCDF	7.25e4	1.25	NO	1.2131	10.000	34.44	34.43	1.001	1.001	NO	93.18		1.14	93.18
14	1,2,3,7,8,9-HxCDF	4.89e4	1.25	NO	1.1349	10.000	35.29	35.31	1.000	1.000	NO	90.11		1.85	90.11
15	1,2,3,4,6,7,8-HxCDF	5.56e4	1.03	NO	1.1891	10.000	37.05	37.04	1.001	1.001	NO	95.28		1.28	95.28
16	1,2,3,4,7,8,9-HxCDF	3.97e4	1.06	NO	1.3096	10.000	39.07	39.07	1.000	1.000	NO	93.55		1.71	93.55
17	OCDF	7.10e4	0.90	NO	1.0614	10.000	41.67	41.88	1.000	1.000	NO	184.4		1.64	184.4
18	13C-2,3,7,8-TCDD	1.66e5	0.74	NO	1.1733	10.000	26.05	26.06	1.027	1.028	NO	147.5	73.7	0.891	



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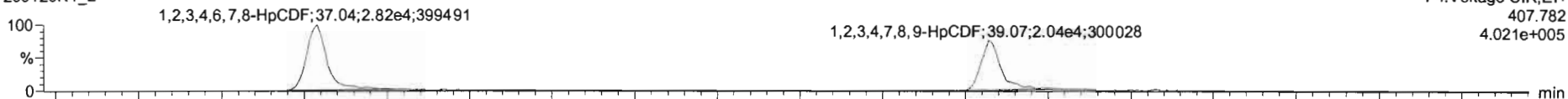
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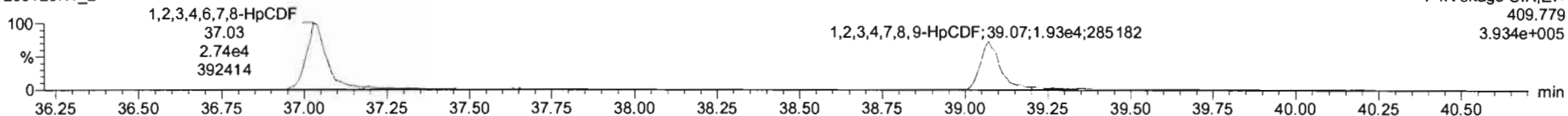
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1,2,3,4,6,7,8-HpCDF

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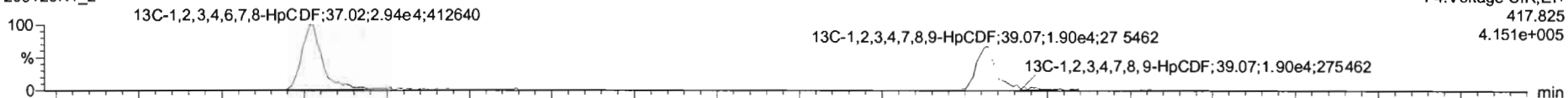


200129K1_2

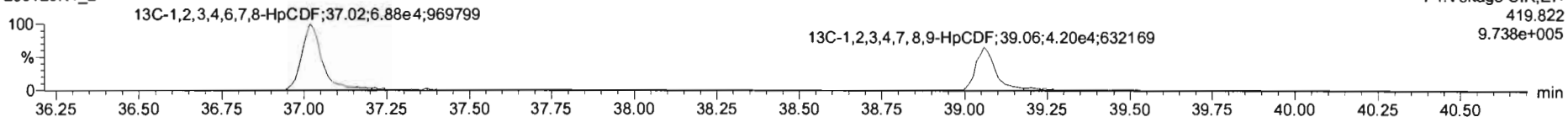


13C-1,2,3,4,6,7,8-HpCDF

200129K1_2

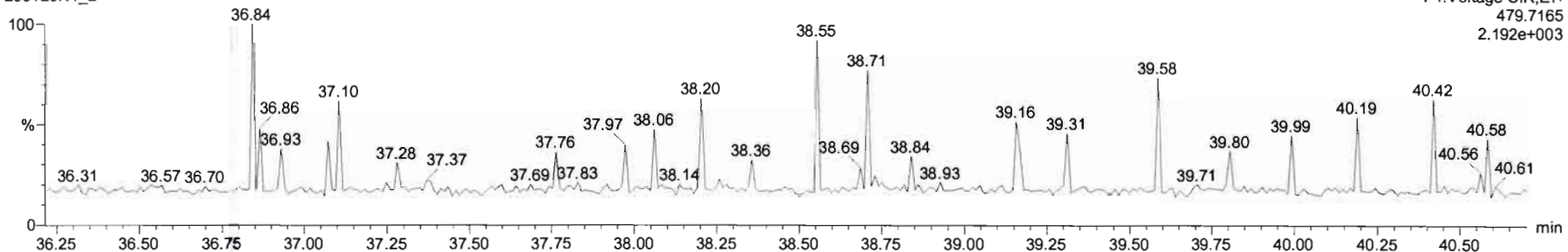


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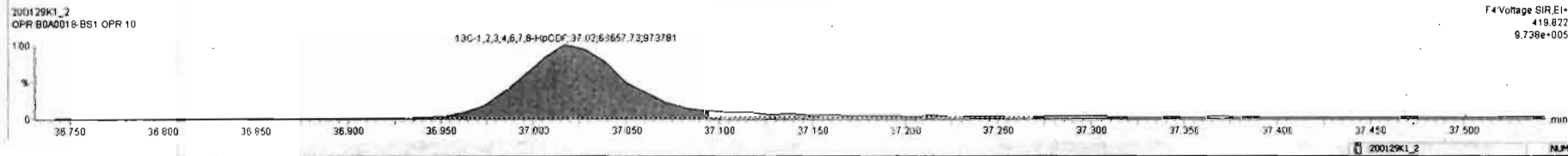
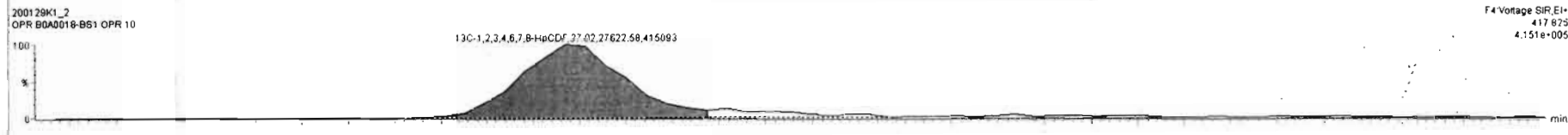
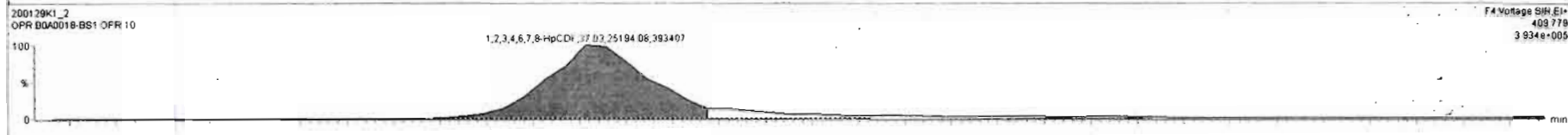
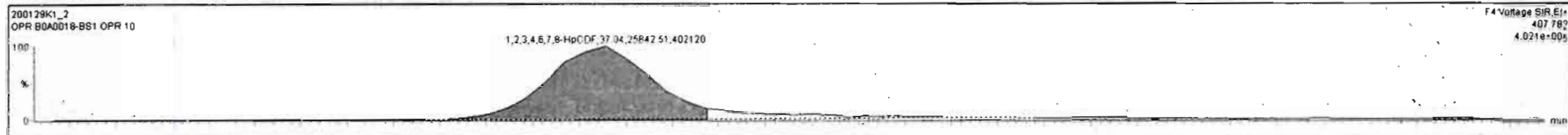
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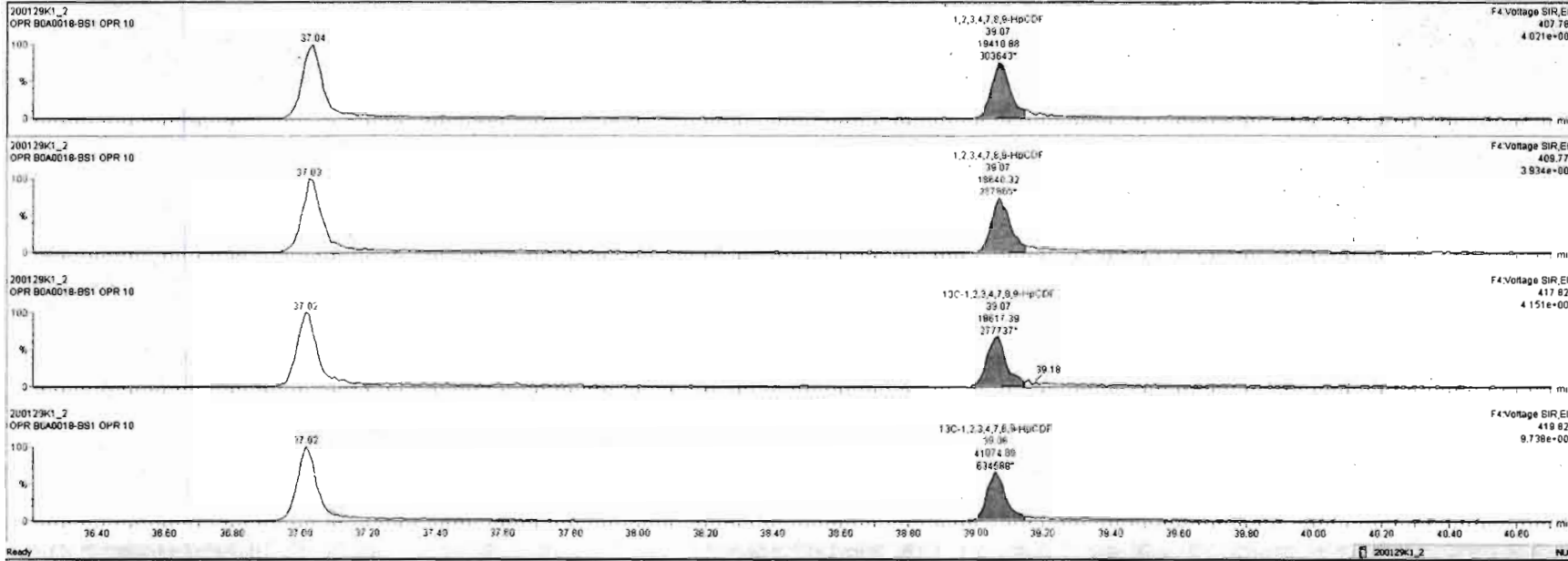


200129K1_2 - B0A0018-BS1 OPR 10 - OPR

#	Name	Resp	RA	n/y	RRF	wtAvail	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
5	1,2,3,7,8,9-HxCDD	3.81e4	1.28	NO	0.9820	10.000	34.99	34.97	1.001	1.000	NO	31.17		1.43	91.17
6	1,2,3,4,6,7,8-HpCDD	2.99e4	1.02	NO	1.0622	10.000	38.44	38.45	1.000	1.001	NO	92.07		1.67	92.07
7	OCDD	4.93e4	0.89	NO	1.0440	10.000	41.67	41.68	1.000	1.000	NO	155.5		2.06	155.5
8	1,2,3,7,8-TCDF	2.33e4	0.74	NO	0.9700	10.000	25.08	25.08	1.001	1.001	NO	18.77		0.212	18.77
9	1,2,3,7,8-PeCDF	9.08e4	1.65	NO	0.9580	10.000	29.94	29.94	1.001	1.001	NO	97.01		0.494	97.01
10	1,2,3,4,7,8-PeCDF	8.33e4	1.58	NO	1.0074	10.000	30.96	30.93	1.001	1.000	NO	96.33		0.529	96.33
11	1,2,3,4,7,8-HxCDF	7.15e4	1.27	NO	1.1632	10.000	33.72	33.74	1.000	1.000	NO	96.19		1.12	96.19
12	1,2,3,6,7,8-HxCDF	7.52e4	1.26	NO	1.1431	10.000	33.86	33.86	1.000	1.000	NO	97.75		1.03	97.75
13	1,2,3,4,6,7,8-HxCDF	7.25e4	1.25	NO	1.2131	10.000	34.44	34.43	1.001	1.001	NO	93.18		1.14	93.18
14	1,2,3,7,8,9-HxCDF	4.98e4	1.25	NO	1.1349	10.000	35.29	35.31	1.000	1.000	NO	90.11		1.65	90.11
15	1,2,3,4,6,7,8-HpCDF	5.10e4	1.03	NO	1.1891	10.000	37.05	37.04	1.001	1.001	NO	94.04		1.28	94.04
16	1,2,3,4,7,8,9-HpCDF	3.97e4	1.06	NO	1.3896	10.000	39.07	39.07	1.000	1.000	NO	93.55		1.71	93.55
17	OCDF	7.10e4	0.90	NO	1.0614	10.000	41.87	41.88	1.000	1.000	NO	184.4		1.94	184.4
18	13C-2,3,7,8-TCDD	1.86e5	0.74	NO	1.1733	10.000	26.05	26.06	1.027	1.028	NO	147.5	73.7	0.891	



#	Name	Resp	RA	nly	RRF	wt/vol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
5	1,2,3,7,8,9-HpCDD	3.81e4	1.26	NO	0.9820	10.000	34.99	34.97	1.001	1.000	NO	91.17		1.43	91.17
6	1,2,3,4,6,7,8-HpCDD	2.90e4	1.02	NO	1.0622	10.000	38.44	38.45	1.000	1.001	NO	92.07		1.67	92.07
7	TCDD	4.93e4	0.89	NO	1.0440	10.000	41.67	41.68	1.000	1.000	NO	155.5		2.06	155.5
8	2,3,7,8-TCDF	2.23e4	0.74	NO	0.9700	10.000	25.09	25.08	1.001	1.001	NO	18.77		0.212	18.77
9	1,2,3,7,8-PeCDF	9.08e4	1.65	NO	0.9580	10.000	29.94	29.94	1.001	1.001	NO	87.01		0.494	87.01
10	2,3,4,7,8-PeCDF	8.33e4	1.59	NO	1.0074	10.000	30.96	30.93	1.001	1.000	NO	96.33		0.529	96.33
11	1,2,3,4,7,8-HxCDF	7.15e4	1.27	NO	1.1632	10.000	33.72	33.74	1.000	1.000	NO	96.19		1.12	96.19
12	1,2,3,6,7,8-HxCDF	7.52e4	1.26	NO	1.1431	10.000	33.86	33.86	1.000	1.000	NO	97.75		1.70	97.75
13	2,3,4,6,7,8-HxCDF	7.25e4	1.25	NO	1.2131	10.000	34.44	34.43	1.001	1.001	NO	93.18		1.14	93.18
14	1,2,3,4,6,7,8-HxCDF	4.99e4	1.25	NO	1.1349	10.000	35.29	35.31	1.000	1.000	NO	90.11		1.65	90.11
15	1,2,3,4,7,8-HxCDF	5.10e4	1.03	NO	1.1891	10.000	37.05	37.04	1.001	1.001	NO	94.04		1.26	94.04
16	1,2,3,4,7,8-HpCDF	3.97e4	1.00	NO	1.3896	10.000	39.07	39.07	1.000	1.000	NO	93.55		1.71	93.55
17	OCDF	7.10e4	0.90	NO	1.0614	10.000	41.67	41.68	1.000	1.000	NO	184.4		1.64	184.4
18	1,3C-2,3,7,8-TCDD	1.66e5	0.74	NO	1.1733	10.000	26.05	26.06	1.027	1.028	NO	147.5	73.7	0.891	

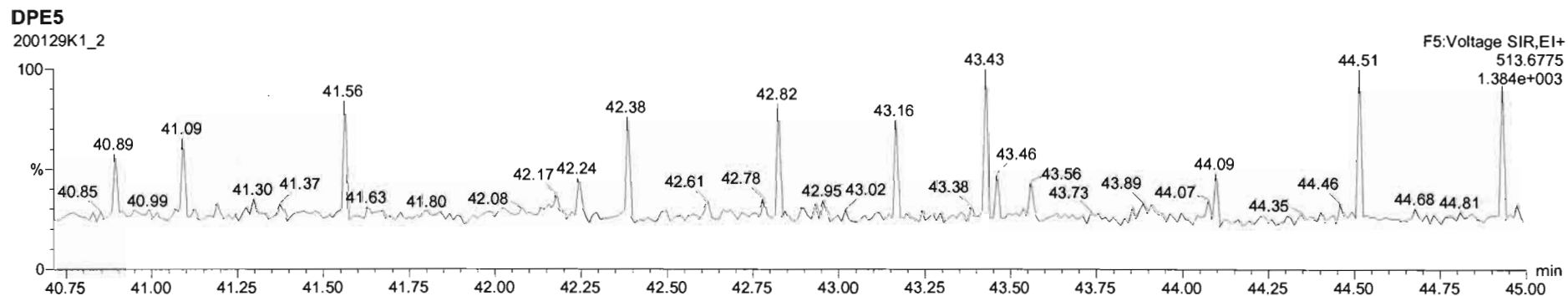
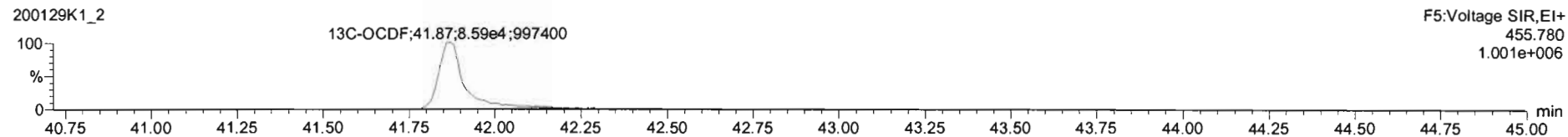
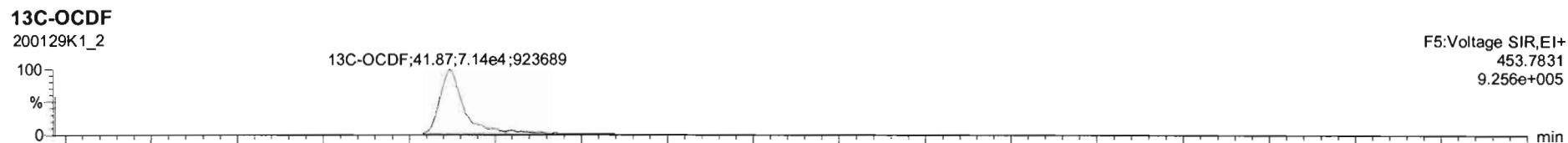
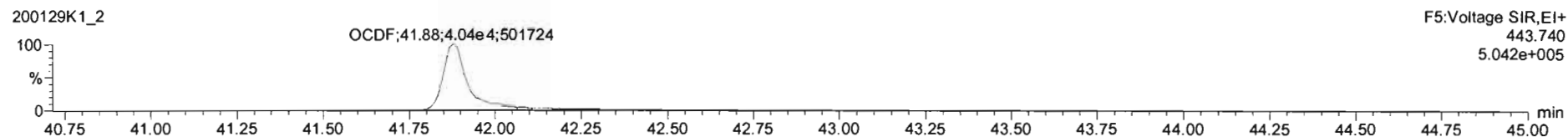
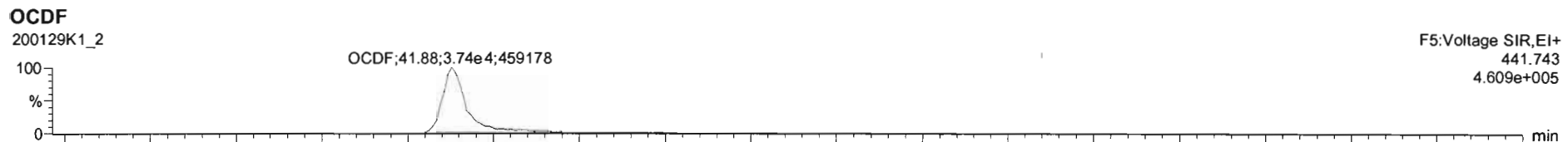


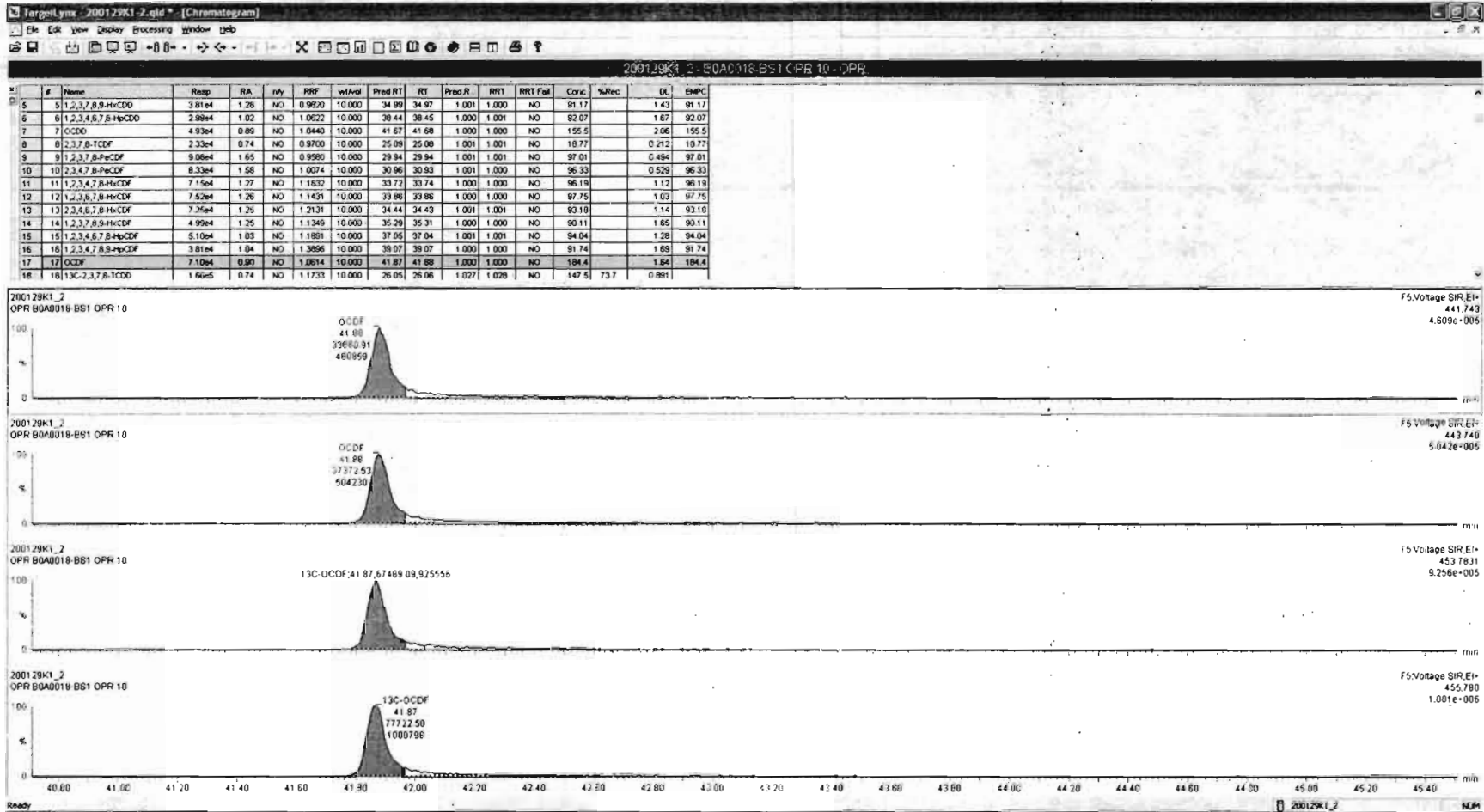
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Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time

Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_2, Date: 29-Jan-2020, Time: 16:01:26, ID: B0A0018-BS1 OPR 10, Description: OPR

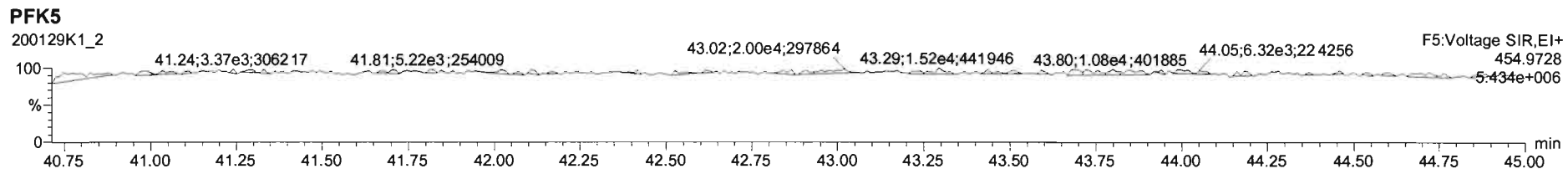
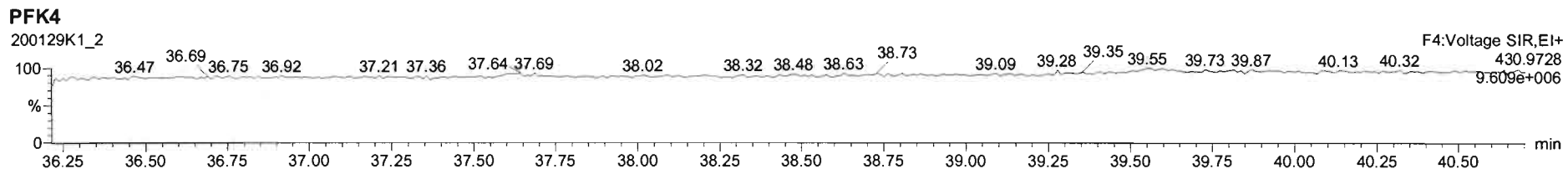
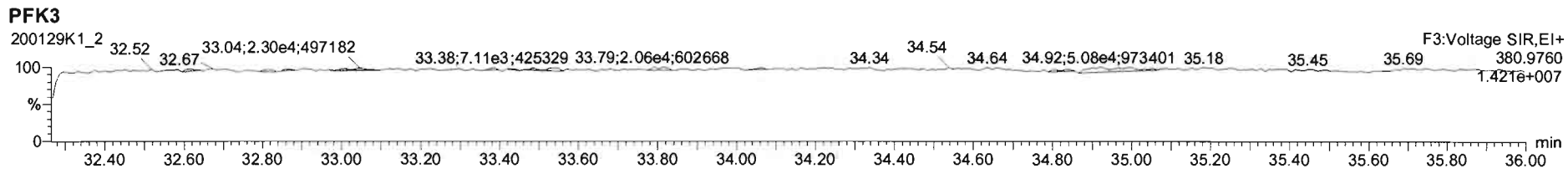
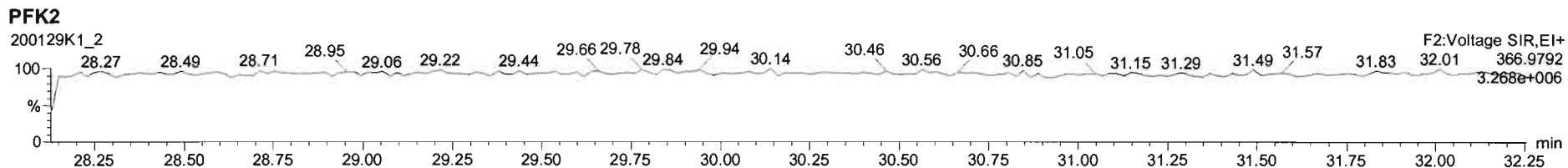
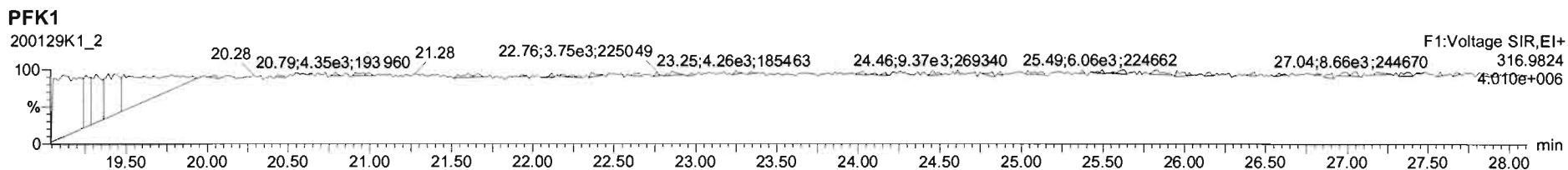




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Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_2, Date: 29-Jan-2020, Time: 16:01:26, ID: B0A0018-BS1 OPR 10, Description: OPR



Dataset: U:\VG11.PRO\Results\200129K1\200129K1-6.qld

Last Altered: Friday, February 07, 2020 12:28:07 Pacific Standard Time

Printed: Friday, February 07, 2020 12:39:59 Pacific Standard Time

dy 02-07-2020 *CT 02/11/2020*
** see dilution*

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_6, Date: 29-Jan-2020, Time: 19:14:43, ID: 1903650-01 PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	2302.629	0.761	NO	0.943	10.020	26.12	26.11	1.00	1.00	NO	1.333		0.338	1.333
2	2 1,2,3,7,8-PeCDD	2529.496	0.618	NO	0.897	10.020	31.27	31.27	1.00	1.00	NO	2.687		0.410	2.687
3	3 1,2,3,4,7,8-HxCDD	5294.634	1.122	NO	1.17	10.020	34.60	34.60	1.00	1.00	NO	7.628		1.84	7.628
4	4 1,2,3,6,7,8-HxCDD	52018.164	1.281	NO	1.01	10.020	34.69	34.70	1.00	1.00	NO	59.22		1.71	59.22
5	5 1,2,3,7,8,9-HxCDD	15748.911	1.329	NO	0.982	10.020	35.00	34.98	1.00	1.00	NO	23.30		2.24	23.30
6	6 1,2,3,4,6,7,8-HpCDD	3134708.5...	1.043	NO	1.06	10.020	38.47	38.47	1.00	1.00	NO	5771		11.8	5771
7	7 OCDD	26026493....	0.896	NO	1.04	10.020	41.70	41.71	1.00	1.00	NO	43270		11.5	43270
8	8 2,3,7,8-TCDF	436389.985	0.778	NO	0.970	10.020	25.11	25.11	1.00	1.00	NO	194.0 (175)		0.500	194.0
9	9 1,2,3,7,8-PeCDF	454822.906	1.553	NO	0.958	10.020	29.96	29.96	1.00	1.00	NO	249.4		0.707	249.4
10	10 2,3,4,7,8-PeCDF	258678.672	1.584	NO	1.01	10.020	30.96	30.95	1.00	1.00	NO	169.4		0.732	169.4
11	11 1,2,3,4,7,8-HxCDF	493127.516	1.264	NO	1.16	10.020	33.74	33.75	1.00	1.00	NO	386.1		1.09	386.1
12	12 1,2,3,6,7,8-HxCDF	174219.687	1.273	NO	1.14	10.020	33.86	33.87	1.00	1.00	NO	120.0		1.13	120.0
13	13 2,3,4,6,7,8-HxCDF	33733.318	1.349	NO	1.21	10.020	34.45	34.43	1.00	1.00	NO	29.98		1.32	29.98
14	14 1,2,3,7,8,9-HxCDF	1078.101	1.464	YES	1.13	10.020	35.29	35.29	1.00	1.00	NO	1232		2.05	1.120
15	15 1,2,3,4,6,7,8-HpCDF	283997.781	1.052	NO	1.19	10.020	37.07	37.04	1.00	1.00	NO	334.3		2.81	334.3
16	16 1,2,3,4,7,8,9-HpCDF	42594.084	1.012	NO	1.39	10.020	39.07	39.08	1.00	1.00	NO	77.89		3.90	77.89
17	17 OCDF	1170407.4...	0.899	NO	1.06	10.020	41.89	41.90	1.00	1.00	NO	1697		3.27	1697
18	18 13C-2,3,7,8-TCDD	365571.687	0.757	NO	1.17	10.020	26.07	26.09	1.03	1.03	NO	96.43	48.3	0.299	
19	19 13C-1,2,3,7,8-PeCDD	209379.696	0.659	NO	0.773	10.020	31.25	31.25	1.23	1.23	NO	83.82	42.0	0.456	
20	20 13C-1,2,3,4,7,8-HxCDD	118614.832	1.210	NO	0.600	10.020	34.58	34.59	1.01	1.01	NO	63.95	32.0	0.700	
21	21 13C-1,2,3,6,7,8-HxCDD	174134.094	1.145	NO	0.763	10.020	34.68	34.69	1.02	1.02	NO	73.80	37.0	0.550	
22	22 13C-1,2,3,7,8,9-HxCDD	137371.465	1.100	NO	0.676	10.020	34.95	34.97	1.02	1.03	NO	65.73	32.9	0.621	
23	23 13C-1,2,3,4,6,7,8-HpCDD	102069.961	0.997	NO	0.455	10.020	38.44	38.46	1.13	1.13	NO	72.56	36.4	0.490	
24	24 13C-OCDD	230009.383	0.922	NO	0.371	10.020	41.67	41.70	1.22	1.22	NO	200.3	50.2	0.896	
25	25 13C-2,3,7,8-TCDF	462929.515	0.767	NO	1.07	10.020	25.08	25.08	0.99	0.99	NO	83.25	41.7	0.411	
26	26 13C-1,2,3,7,8-PeCDF	379938.406	1.541	NO	0.765	10.020	29.94	29.94	1.18	1.18	NO	95.50	47.8	0.958	
27	27 13C-2,3,4,7,8-PeCDF	302476.148	1.497	NO	0.726	10.020	30.94	30.93	1.22	1.22	NO	80.10	40.1	1.01	
28	28 13C-1,2,3,4,7,8-HxCDF	219149.907	0.516	NO	0.965	10.020	33.72	33.74	0.99	0.99	NO	73.46	36.8	0.705	
29	29 13C-1,2,3,6,7,8-HxCDF	253568.820	0.540	NO	1.09	10.020	33.84	33.85	0.99	0.99	NO	74.98	37.6	0.622	
30	30 13C-2,3,4,6,7,8-HxCDF	185128.129	0.527	NO	0.984	10.020	34.41	34.42	1.01	1.01	NO	60.87	30.5	0.692	
31	31 13C-1,2,3,7,8,9-HxCDF	153920.395	0.505	NO	0.790	10.020	35.31	35.29	1.04	1.03	NO	62.98	31.6	0.861	

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-6.qld

Last Altered: Friday, February 07, 2020 12:28:07 Pacific Standard Time

Printed: Friday, February 07, 2020 12:39:59 Pacific Standard Time

Name: 200129K1_6, Date: 29-Jan-2020, Time: 19:14:43, ID: 1903650-01 PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	142580.828	0.452	NO	0.734	10.020	37.02	37.03	1.09	1.09	NO	62.86	31.5	0.707	
33	13C-1,2,3,4,7,8,9-HpCDF	78547.435	0.422	NO	0.459	10.020	39.04	39.07	1.14	1.15	NO	55.38	27.7	1.13	
34	13C-OCDF	259396.156	0.843	NO	0.500	10.020	41.91	41.89	1.23	1.23	NO	167.7	42.0	0.757	
35	37Cl-2,3,7,8-TCDD	133326.641			1.12	10.020	26.09	26.11	1.03	1.03	NO	36.70	46.0	0.0806	
36	13C-1,2,3,4-TCDD	644905.563	0.781	NO	1.00	10.020	25.36	25.37	1.00	1.00	NO	199.6	100	0.351	
37	13C-1,2,3,4-TCDF	1038054.9...	0.783	NO	1.00	10.020	23.43	23.45	1.00	1.00	NO	199.6	100	0.440	
38	13C-1,2,3,4,6,9-HxCDF	617169.203	0.521	NO	1.00	10.020	34.10	34.11	1.00	1.00	NO	199.6	100	0.681	
39	Total Tetra-Dioxins				0.943	10.020	24.62		0.00		NO	44.31		0.338	49.57
40	Total Penta-Dioxins				0.897	10.020	29.96		0.00		NO	65.52		0.410	69.98
41	Total Hexa-Dioxins				1.01	10.020	33.63		0.00		NO	1113		1.98	1113
42	Total Hepta-Dioxins				1.06	10.020	38.80		0.00		NO	14350		11.8	14350
43	Total Tetra-Furans				0.970	10.020	23.61		0.00		NO	587.0		0.500	606.7
44	1st Func. Penta-Furans				0.958	10.020	27.04		0.00		NO	66.40		0.0898	66.40
45	Total Penta-Furans				0.958	10.020	29.27		0.00		NO	758.0		0.735	758.0
46	Total Hexa-Furans				1.21	10.020	33.56		0.00		NO	864.6		1.28	871.5
47	Total Hepta-Furans				1.19	10.020	37.83		0.00		NO	1753		3.43	1753

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-6.qld

Last Altered: Friday, February 07, 2020 12:28:07 Pacific Standard Time

Printed: Friday, February 07, 2020 12:36:56 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_6, Date: 29-Jan-2020, Time: 19:14:43, ID: 1903650-01 PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011

Tetra-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	39 Total Tetra-Dioxins	2.88e3	3.66e5	0.840	NO	24.62	26.46	1.668	1.668
2	1 2,3,7,8-TCDD	2.30e3	3.66e5	0.761	NO	26.12	26.11	1.333	1.333
3	39 Total Tetra-Dioxins	1.32e3	3.66e5	0.843	NO	24.62	25.95	0.7640	0.7640
4	39 Total Tetra-Dioxins	4.56e3	3.66e5	0.754	NO	24.62	25.82	2.639	2.639
5	39 Total Tetra-Dioxins	1.06e3	3.66e5	0.715	NO	24.62	25.53	0.6110	0.6110
6	39 Total Tetra-Dioxins	3.10e3	3.66e5	0.851	NO	24.62	25.36	1.795	1.795
7	39 Total Tetra-Dioxins	2.87e3	3.66e5	0.763	NO	24.62	24.98	1.664	1.664
8	39 Total Tetra-Dioxins	0.00e0	3.66e5	0.639	YES	24.62	24.75	0.0000	0.9040
9	39 Total Tetra-Dioxins	0.00e0	3.66e5	1.015	YES	24.62	24.47	0.0000	1.155
10	39 Total Tetra-Dioxins	0.00e0	3.66e5	0.941	YES	24.62	24.21	0.0000	2.330
11	39 Total Tetra-Dioxins	6.53e3	3.66e5	0.810	NO	24.62	23.97	3.779	3.779
12	39 Total Tetra-Dioxins	0.00e0	3.66e5	0.976	YES	24.62	23.66	0.0000	0.8687
13	39 Total Tetra-Dioxins	4.24e3	3.66e5	0.680	NO	24.62	22.68	2.454	2.454
14	39 Total Tetra-Dioxins	5.07e3	3.66e5	0.807	NO	24.62	22.16	2.937	2.937
15	39 Total Tetra-Dioxins	4.04e4	3.66e5	0.782	NO	24.62	21.76	23.37	23.37
16	39 Total Tetra-Dioxins	1.31e3	3.66e5	0.881	NO	24.62	27.12	0.7611	0.7611
17	39 Total Tetra-Dioxins	9.18e2	3.66e5	0.712	NO	24.62	26.60	0.5315	0.5315

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-6.qld

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Name: 200129K1_6, Date: 29-Jan-2020, Time: 19:14:43, ID: 1903650-01 PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011

Penta-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	40 Total Penta-Dioxins	1.67e3	2.09e5	0.633	NO	29.96	31.65	1.779	1.779
2	40 Total Penta-Dioxins	0.00e0	2.09e5	0.734	YES	29.96	31.35	0.0000	2.674
3	2 1,2,3,7,8-PeCDD	2.53e3	2.09e5	0.618	NO	31.27	31.27	2.687	2.687
4	40 Total Penta-Dioxins	0.00e0	2.09e5	0.524	YES	29.96	30.83	0.0000	1.782
5	40 Total Penta-Dioxins	1.34e4	2.09e5	0.636	NO	29.96	30.48	14.19	14.19
6	40 Total Penta-Dioxins	4.00e3	2.09e5	0.693	NO	29.96	30.26	4.252	4.252
7	40 Total Penta-Dioxins	4.77e3	2.09e5	0.677	NO	29.96	30.18	5.071	5.071
8	40 Total Penta-Dioxins	9.36e3	2.09e5	0.667	NO	29.96	30.00	9.941	9.941
9	40 Total Penta-Dioxins	7.94e3	2.09e5	0.659	NO	29.96	29.50	8.438	8.438
10	40 Total Penta-Dioxins	1.80e4	2.09e5	0.606	NO	29.96	29.01	19.17	19.17

Hexa-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	3 1,2,3,4,7,8-HxCDD	5.29e3	1.19e5	1.122	NO	34.60	34.60	7.628	7.628
2	41 Total Hexa-Dioxins	4.37e4	0.00e0	1.288	NO	33.63	34.04	60.36	60.36
3	41 Total Hexa-Dioxins	2.84e5	0.00e0	1.261	NO	33.63	33.94	393.2	393.2
4	41 Total Hexa-Dioxins	3.31e4	0.00e0	1.350	NO	33.63	33.68	45.75	45.75
5	41 Total Hexa-Dioxins	3.63e5	0.00e0	1.277	NO	33.63	33.14	501.6	501.6
6	5 1,2,3,7,8,9-HxCDD	1.57e4	1.37e5	1.329	NO	35.00	34.98	23.30	23.30
7	41 Total Hexa-Dioxins	1.56e4	0.00e0	1.235	NO	33.63	34.88	21.63	21.63
8	4 1,2,3,6,7,8-HxCDD	5.20e4	1.74e5	1.281	NO	34.69	34.70	59.22	59.22

Hepta-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	6 1,2,3,4,6,7,8-HpCDD	3.13e6	1.02e5	1.043	NO	38.47	38.47	5771	5771
2	42 Total Hepta-Dioxins	4.66e6	1.02e5	1.025	NO	38.80	37.43	8578	8578

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Tetra-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	43 Total Tetra-Furans	2.96e3	4.63e5	0.787	NO	23.61	22.35	1.317	1.317
2	43 Total Tetra-Furans	4.26e4	4.63e5	0.743	NO	23.61	22.18	18.92	18.92
3	43 Total Tetra-Furans	1.17e5	4.63e5	0.767	NO	23.61	21.72	51.93	51.93
4	43 Total Tetra-Furans	2.12e4	4.63e5	0.824	NO	23.61	21.34	9.404	9.404
5	43 Total Tetra-Furans	3.18e4	4.63e5	0.798	NO	23.61	20.80	14.12	14.12
6	43 Total Tetra-Furans	7.28e3	4.63e5	0.773	NO	23.61	20.21	3.236	3.236
7	43 Total Tetra-Furans	2.29e3	4.63e5	0.833	NO	23.61	19.69	1.017	1.017
8	43 Total Tetra-Furans	0.00e0	4.63e5	1.092	YES	23.61	27.28	0.0000	19.71
9	43 Total Tetra-Furans	2.76e3	4.63e5	0.823	NO	23.61	25.80	1.229	1.229
10	43 Total Tetra-Furans	2.06e4	4.63e5	0.788	NO	23.61	25.51	9.178	9.178
11	8 2,3,7,8-TCDF	4.36e5	4.63e5	0.778	NO	25.11	25.11	194.0	194.0
12	43 Total Tetra-Furans	4.08e4	4.63e5	0.775	NO	23.61	24.99	18.11	18.11
13	43 Total Tetra-Furans	4.95e3	4.63e5	0.757	NO	23.61	24.87	2.199	2.199
14	43 Total Tetra-Furans	2.67e3	4.63e5	0.846	NO	23.61	24.61	1.189	1.189
15	43 Total Tetra-Furans	1.75e4	4.63e5	0.767	NO	23.61	24.39	7.797	7.797
16	43 Total Tetra-Furans	4.77e5	4.63e5	0.780	NO	23.61	24.06	212.2	212.2
17	43 Total Tetra-Furans	4.72e4	4.63e5	0.833	NO	23.61	23.48	20.97	20.97
18	43 Total Tetra-Furans	2.01e4	4.63e5	0.791	NO	23.61	23.37	8.939	8.939
19	43 Total Tetra-Furans	2.56e3	4.63e5	0.705	NO	23.61	23.17	1.139	1.139
20	43 Total Tetra-Furans	3.68e3	4.63e5	0.788	NO	23.61	23.00	1.635	1.635
21	43 Total Tetra-Furans	1.82e4	4.63e5	0.810	NO	23.61	22.58	8.073	8.073
22	43 Total Tetra-Furans	9.35e2	4.63e5	0.765	NO	23.61	21.95	0.4155	0.4155

Penta-Furans function 1

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	44 1st Func. Penta-Fura...	1.09e5	0.00e0	1.570	NO	27.04	27.28	66.40	66.40

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Penta-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	9 1,2,3,7,8-PeCDF	4.55e5	3.80e5	1.553	NO	29.96	29.96	249.4	249.4
2	45 Total Penta-Furans	6.13e4	0.00e0	1.566	NO	29.27	29.76	37.44	37.44
3	45 Total Penta-Furans	2.18e4	0.00e0	1.658	NO	29.27	29.54	13.31	13.31
4	45 Total Penta-Furans	2.61e5	0.00e0	1.575	NO	29.27	28.95	159.3	159.3
5	45 Total Penta-Furans	7.01e3	0.00e0	1.611	NO	29.27	28.81	4.281	4.281
6	45 Total Penta-Furans	1.24e4	0.00e0	1.558	NO	29.27	31.87	7.564	7.564
7	10 2,3,4,7,8-PeCDF	2.59e5	3.02e5	1.584	NO	30.96	30.95	169.4	169.4
8	45 Total Penta-Furans	1.89e5	0.00e0	1.640	NO	29.27	30.22	115.7	115.7
9	45 Total Penta-Furans	2.60e3	0.00e0	1.575	NO	29.27	30.85	1.589	1.589

Hexa-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	14 1,2,3,7,8,9-HxCDF	1.08e3	1.54e5	1.464	YES	35.29	35.29	0.0000	1.120
2	13 2,3,4,6,7,8-HxCDF	3.37e4	1.85e5	1.349	NO	34.45	34.43	29.98	29.98
3	46 Total Hexa-Furans	0.00e0	0.00e0	1.701	YES	33.56	34.13	0.0000	5.771
4	12 1,2,3,6,7,8-HxCDF	1.74e5	2.54e5	1.273	NO	33.86	33.87	120.0	120.0
5	11 1,2,3,4,7,8-HxCDF	4.93e5	2.19e5	1.264	NO	33.74	33.75	386.1	386.1
6	46 Total Hexa-Furans	4.76e3	0.00e0	1.254	NO	33.56	33.64	3.861	3.861
7	46 Total Hexa-Furans	2.30e5	0.00e0	1.249	NO	33.56	33.30	186.4	186.4
8	46 Total Hexa-Furans	9.85e4	0.00e0	1.256	NO	33.56	32.76	79.88	79.88
9	46 Total Hexa-Furans	2.31e4	0.00e0	1.245	NO	33.56	32.60	18.73	18.73
10	46 Total Hexa-Furans	4.90e4	0.00e0	1.248	NO	33.56	35.36	39.71	39.71

Hepta-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	16 1,2,3,4,7,8,9-HpCDF	4.26e4	7.85e4	1.012	NO	39.07	39.08	77.89	77.89
2	47 Total Hepta-Furans	8.75e5	0.00e0	1.041	NO	37.83	37.63	1328	1328
3	47 Total Hepta-Furans	8.37e3	0.00e0	1.174	NO	37.83	37.42	12.70	12.70
4	15 1,2,3,4,6,7,8-HpCDF	2.84e5	1.43e5	1.052	NO	37.07	37.04	334.3	334.3

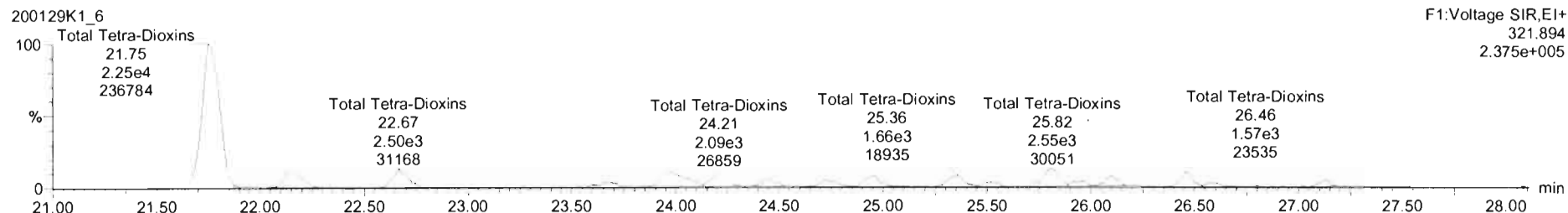
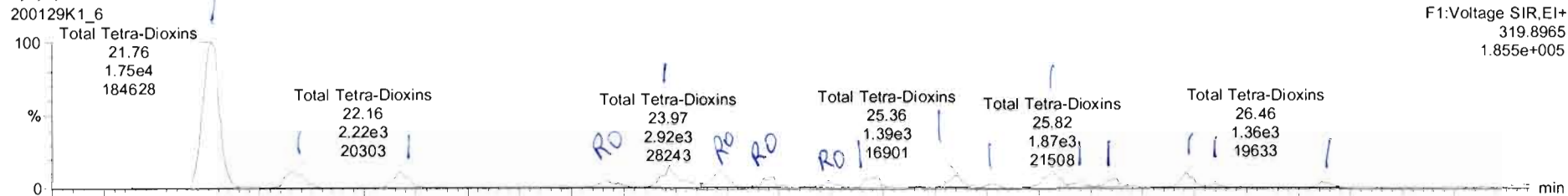
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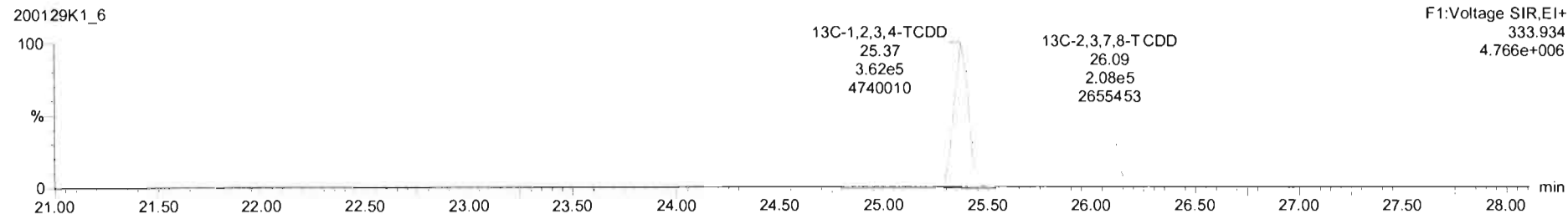
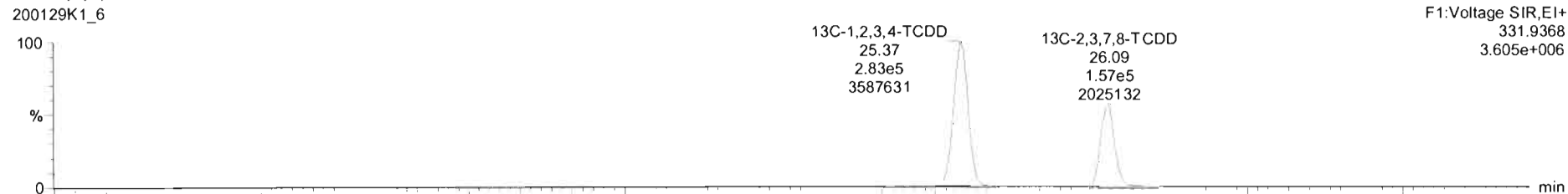
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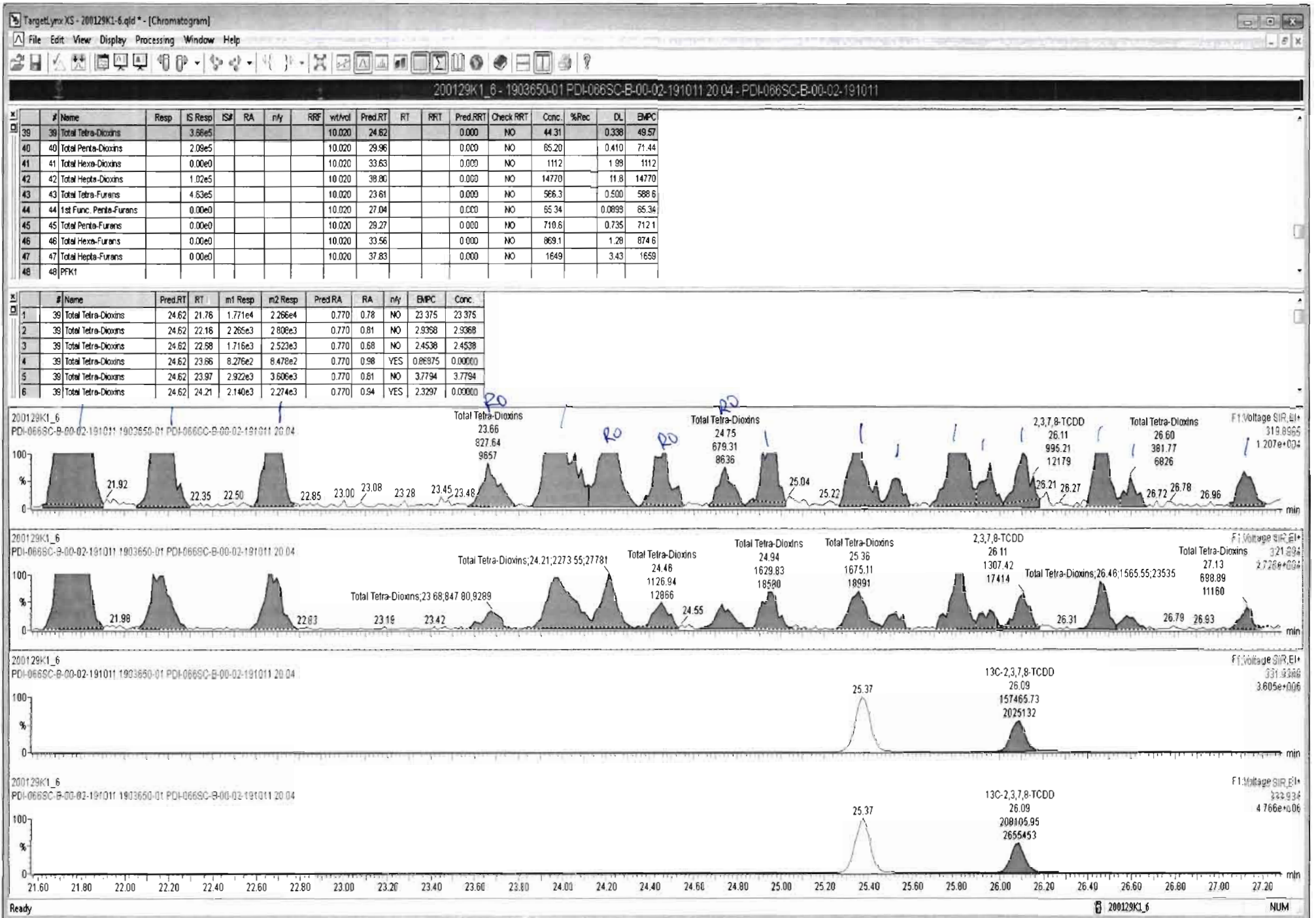
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2,3,7,8-TCDD



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





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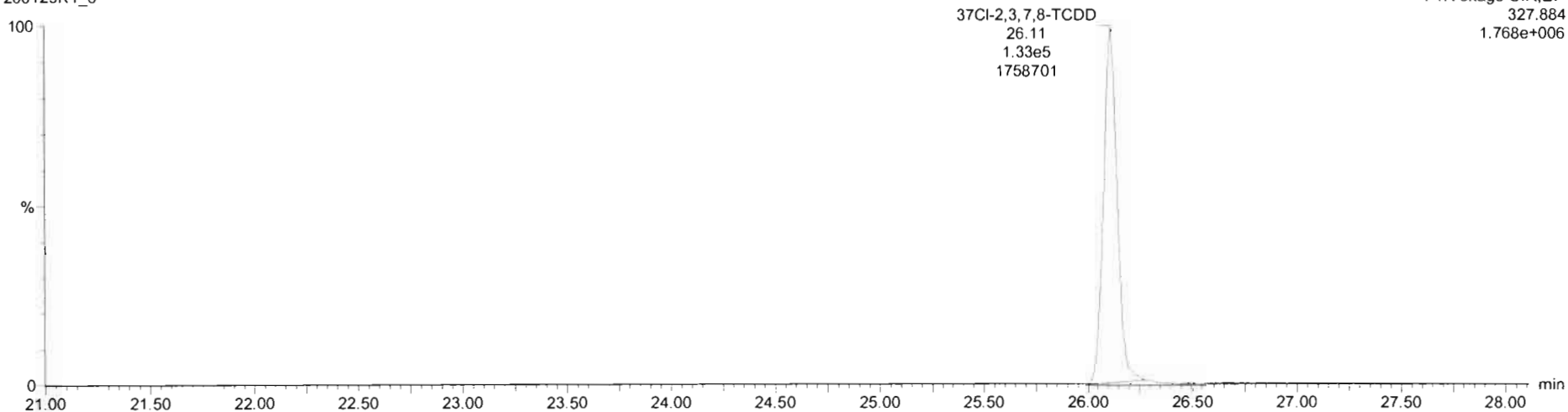
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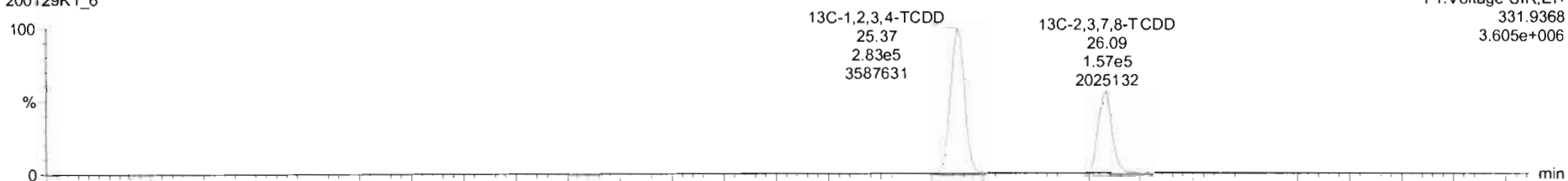
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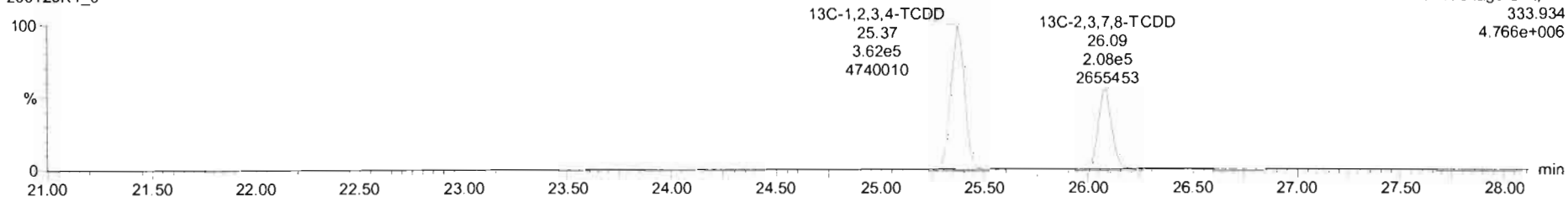


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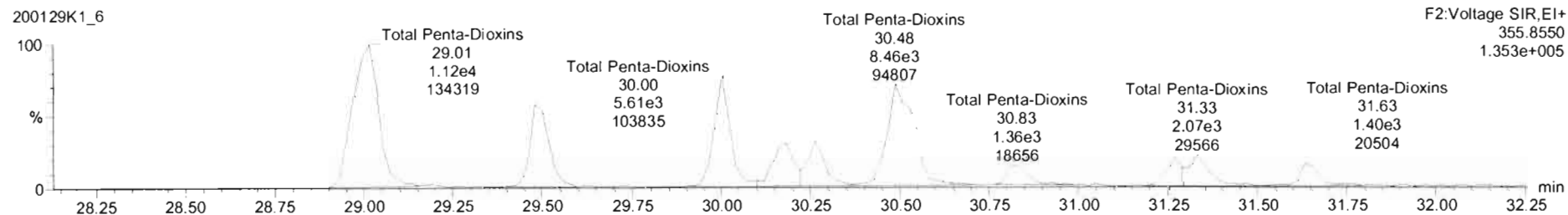
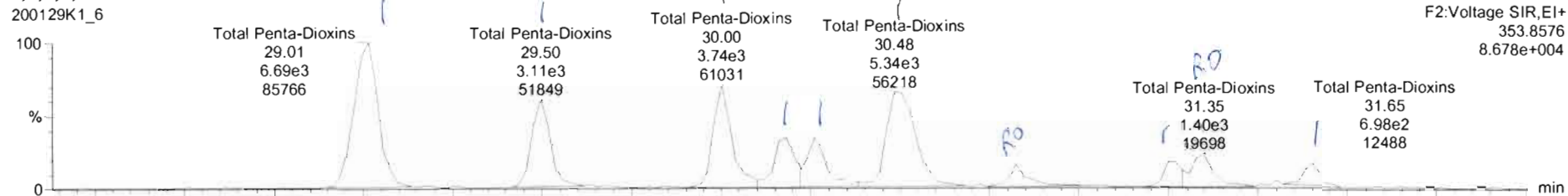


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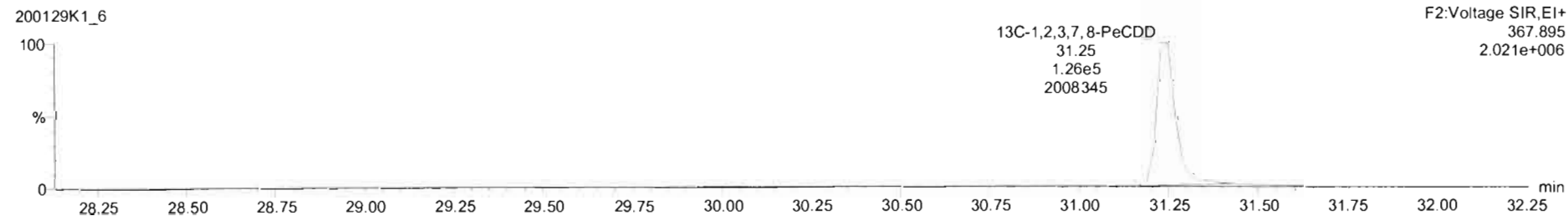
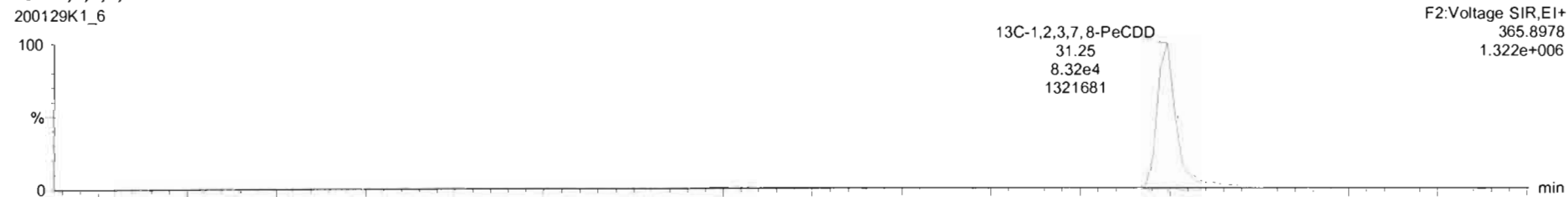
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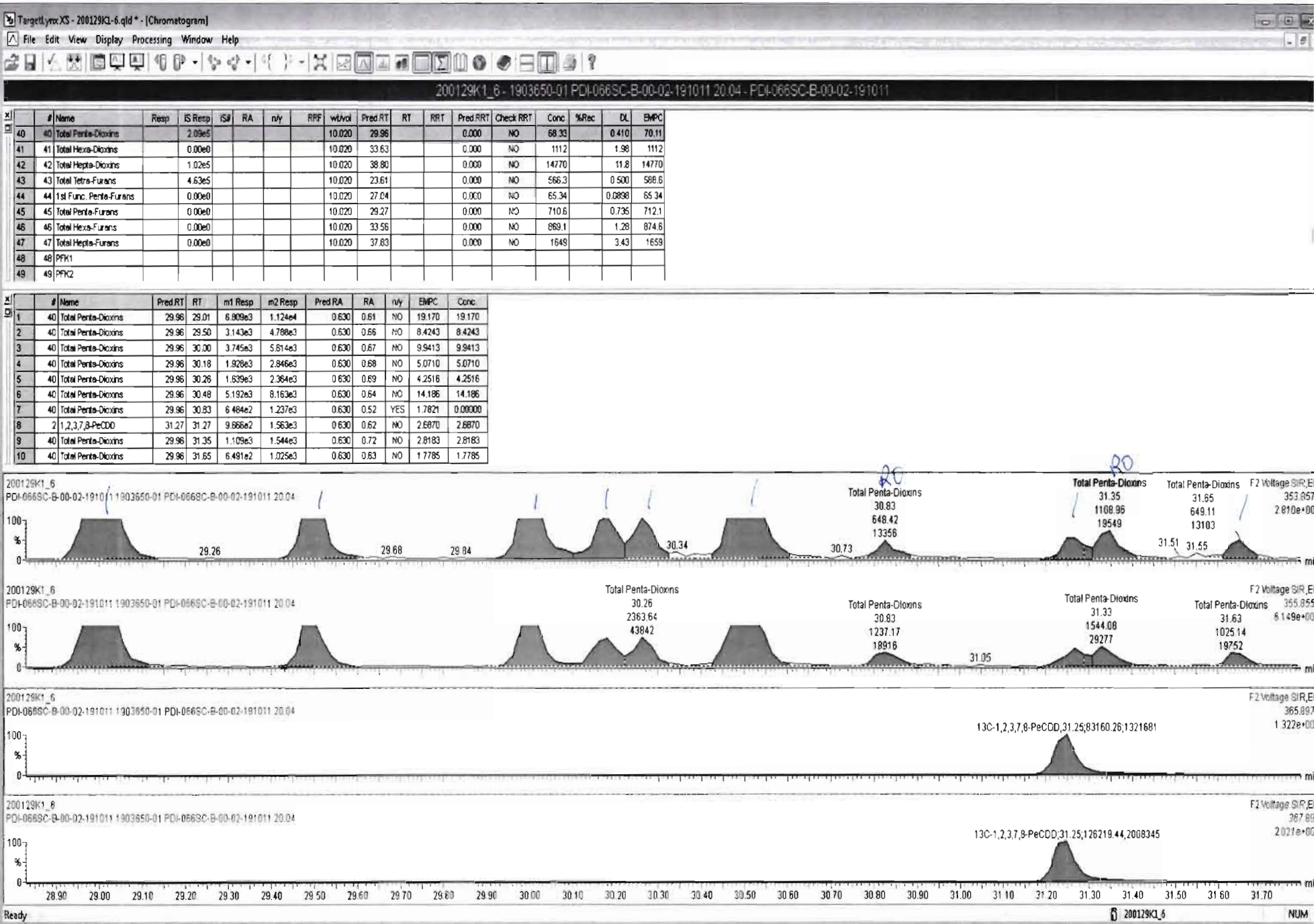
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1,2,3,7,8-PeCDD



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





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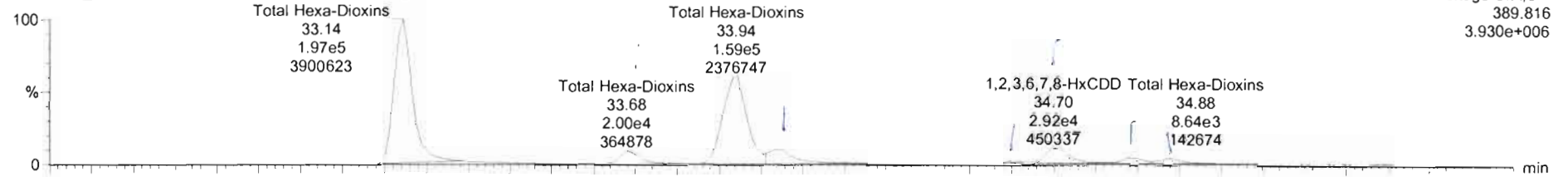
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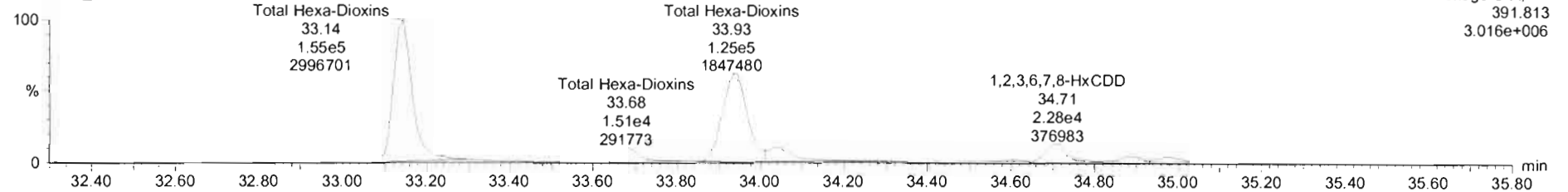
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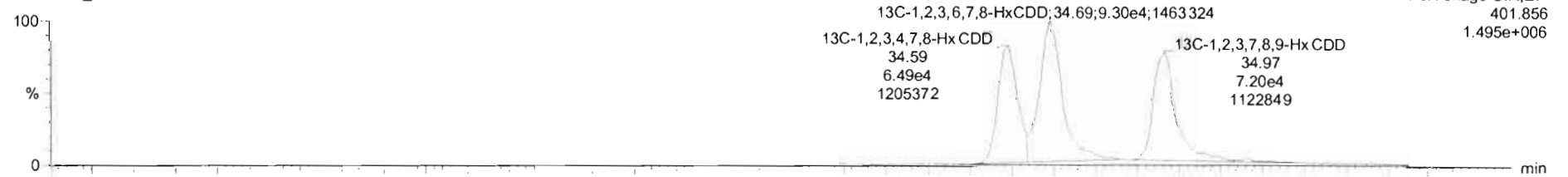


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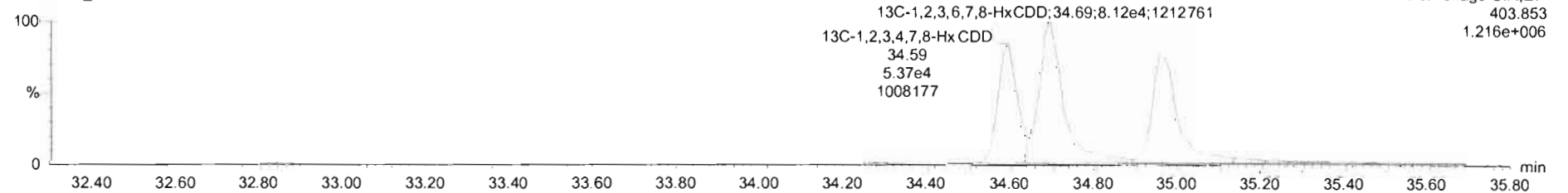


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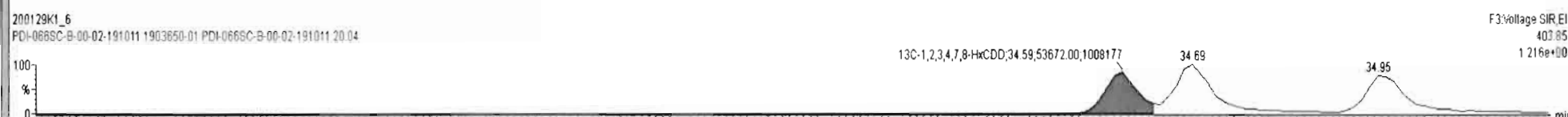
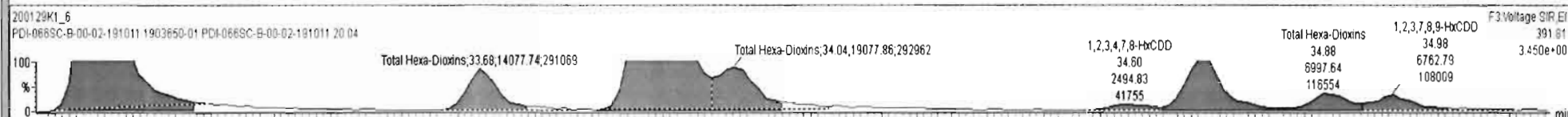
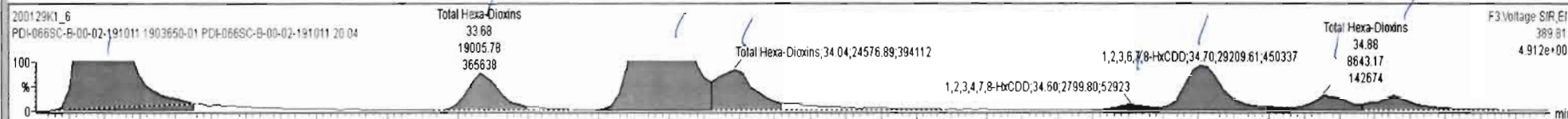


200129K1_6



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/Vol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
40	Total Penta-Dioxins		2.09e5					10.020	29.96			0.000	NO	65.52	0.410	69.98	
41	Total Hexa-Dioxins		0.00e0					10.020	33.63			0.000	NO	1113	1.98	1113	
42	Total Hepta-Dioxins		1.02e5					10.020	39.80			0.000	NO	14770	11.8	14770	
43	Total Tetra-Furans		4.63e5					10.020	23.61			0.000	NO	566.3	0.500	588.6	
44	1st Func. Penta-Furans		0.00e0					10.020	27.04			0.000	NO	65.34	0.0898	65.34	
45	Total Penta-Furans		0.00e0					10.020	29.27			0.000	NO	710.6	0.735	712.1	
46	Total Hexa-Furans		0.00e0					10.020	33.56			0.000	NO	869.1	1.28	874.6	
47	Total Hepta-Furans		0.00e0					10.020	37.83			0.000	NO	1649	3.43	1659	
48	PFK1																
49	PFK2																

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred.RA	RA	n/y	EMPC	Conc.
1	Total Hexa-Dioxins	33.63	33.14	2.034e5	1.593e5	1.240	1.28	NO	501.56	591.58
2	Total Hexa-Dioxins	33.63	33.68	1.901e4	1.408e4	1.240	1.35	NO	45.746	45.746
3	Total Hexa-Dioxins	33.63	33.94	1.586e5	1.258e5	1.240	1.26	NO	393.19	393.19
4	Total Hexa-Dioxins	33.63	34.04	2.458e4	1.908e4	1.240	1.29	NO	80.363	60.363
5	1,2,3,4,7,8-HxCDD	34.60	34.60	2.800e3	2.495e3	1.240	1.12	NO	7.6278	7.6278
6	1,2,3,6,7,8-HxCDD	34.69	34.70	2.921e4	2.281e4	1.240	1.28	NO	59.222	59.222
7	Total Hexa-Dioxins	33.63	34.88	8.843e3	6.988e3	1.240	1.24	NO	21.627	21.627
8	1,2,3,7,8-HxCDD	35.00	34.98	8.996e3	6.763e3	1.240	1.33	NO	23.303	23.303



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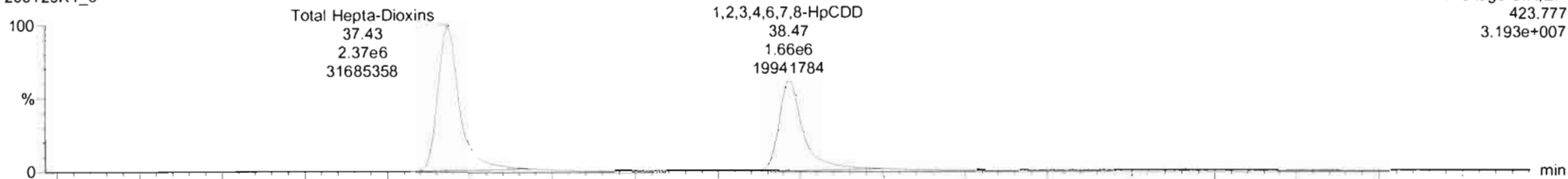
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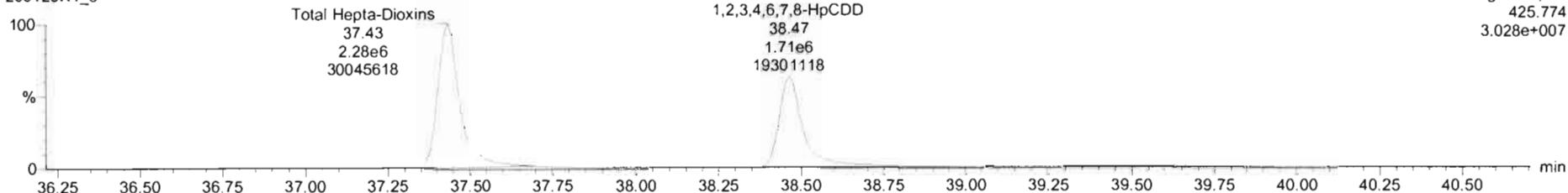
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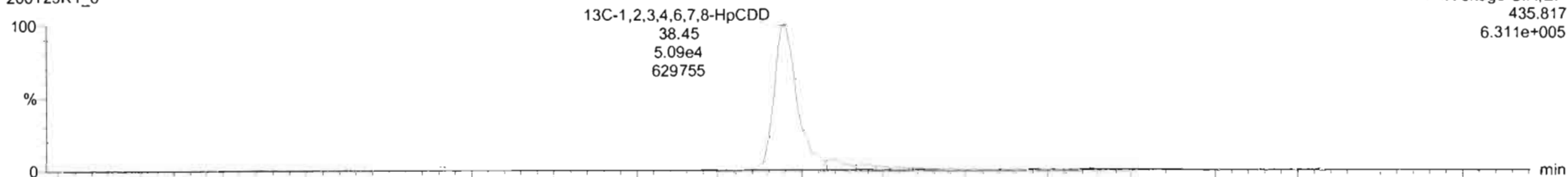


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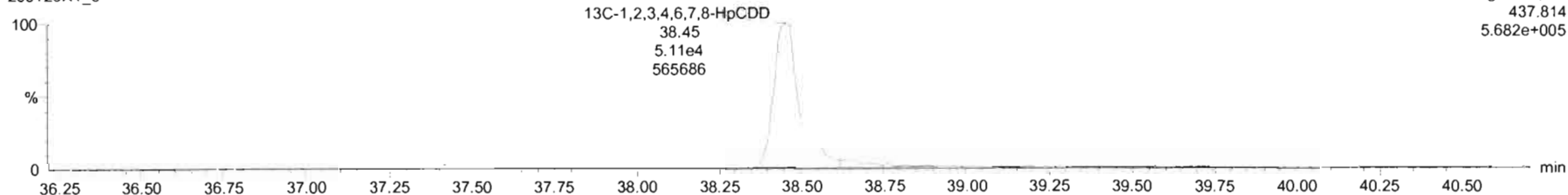


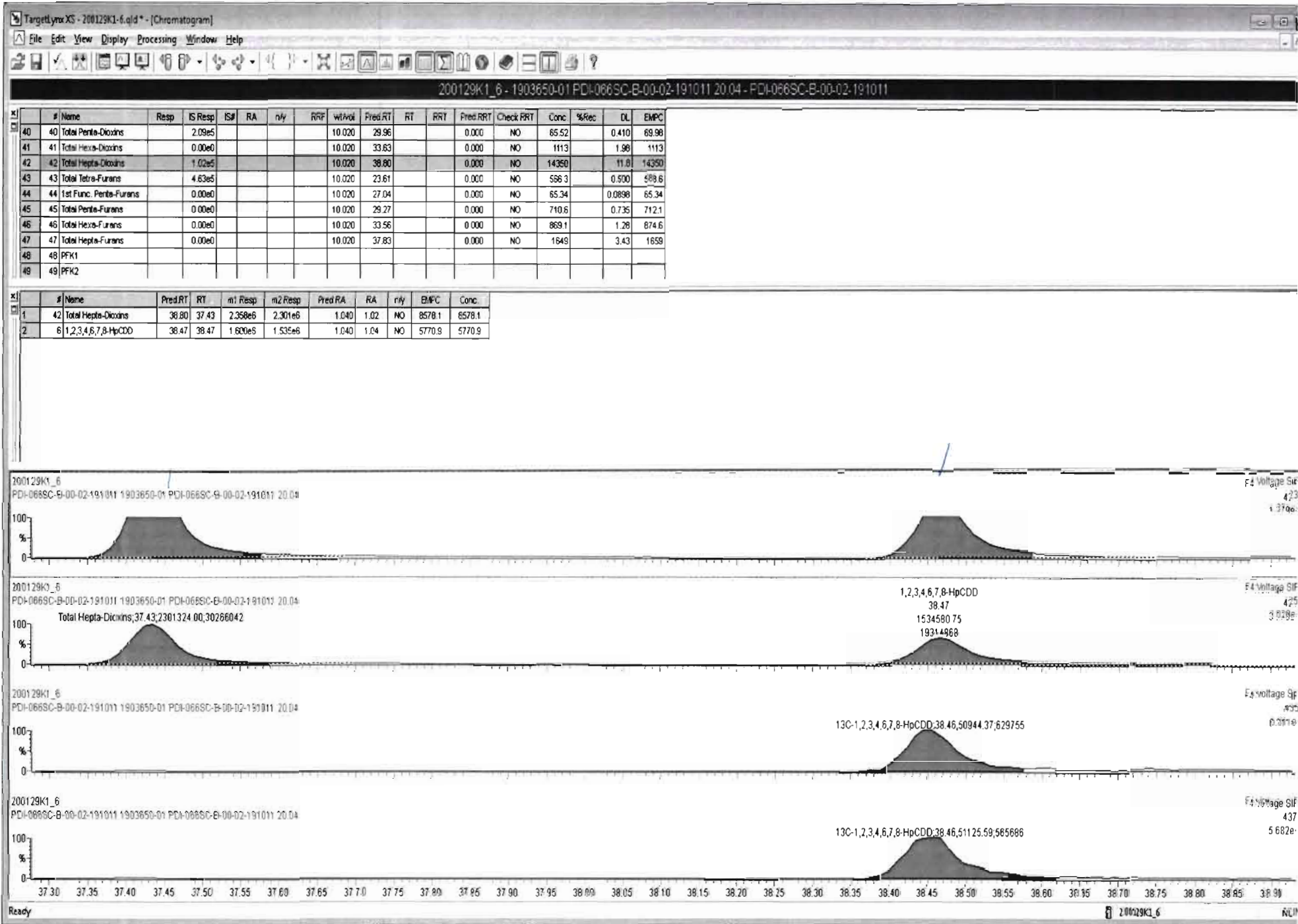
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200129K1_6



200129K1_6



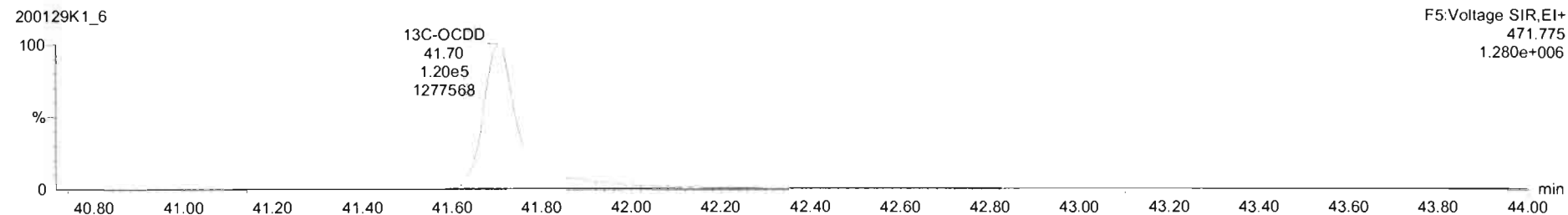
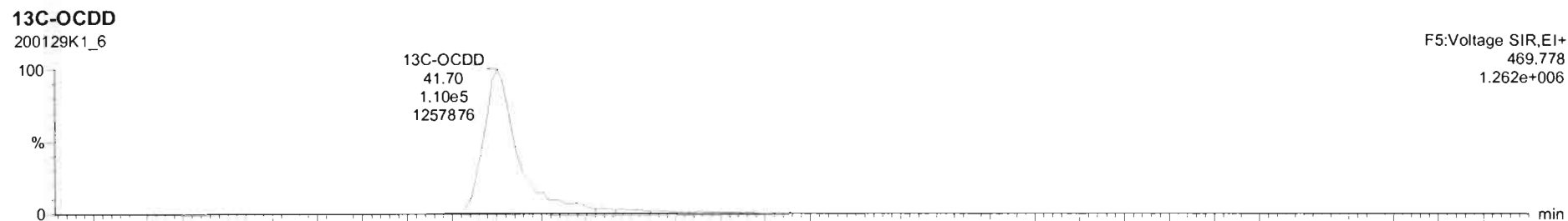
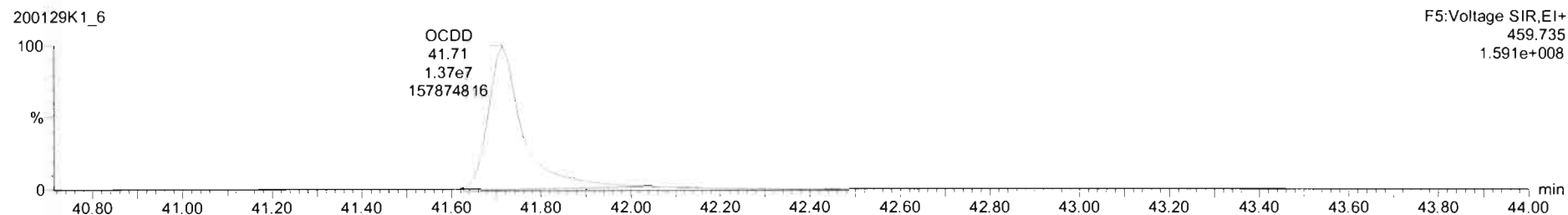


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Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time

Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_6, Date: 29-Jan-2020, Time: 19:14:43, ID: 1903650-01 PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011

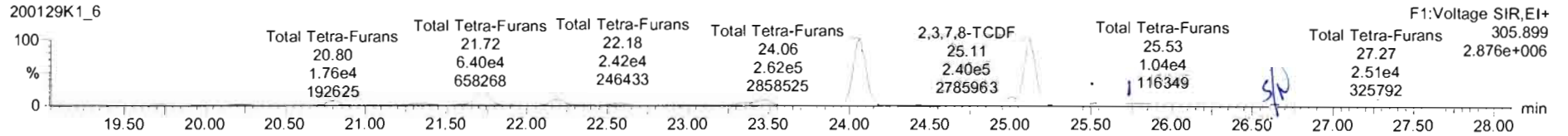
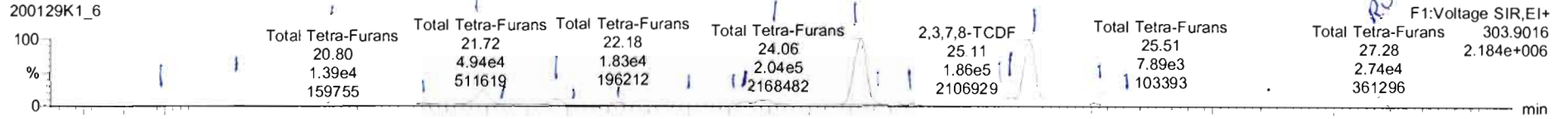


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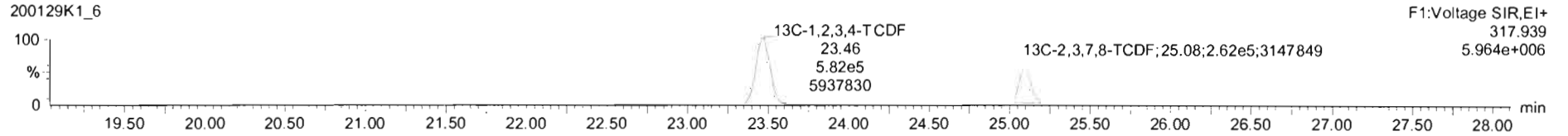
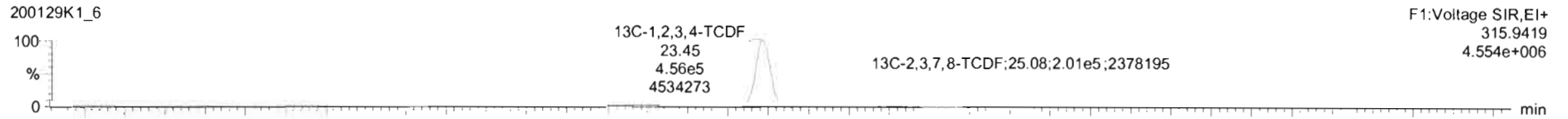
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Name: 200129K1_6, Date: 29-Jan-2020, Time: 19:14:43, ID: 1903650-01 PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011

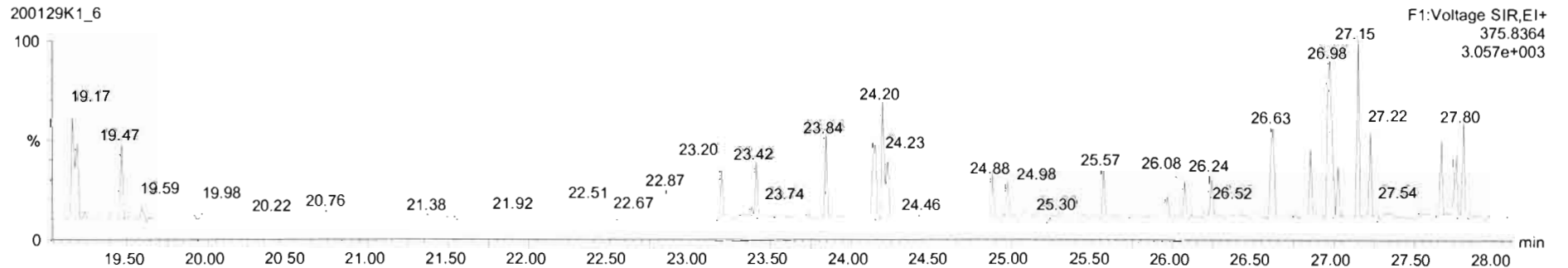
2,3,7,8-TCDF



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



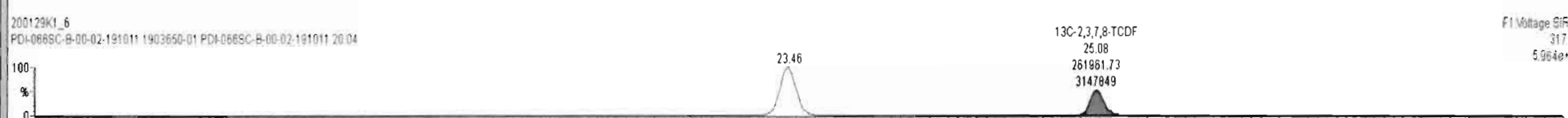
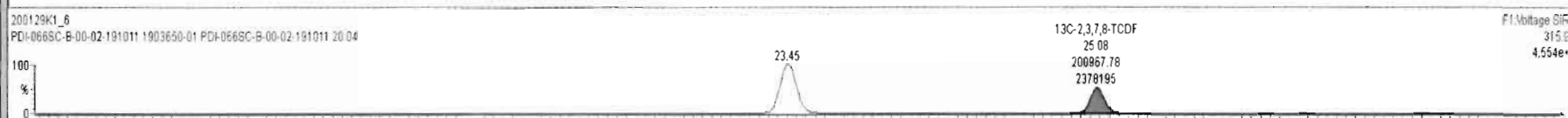
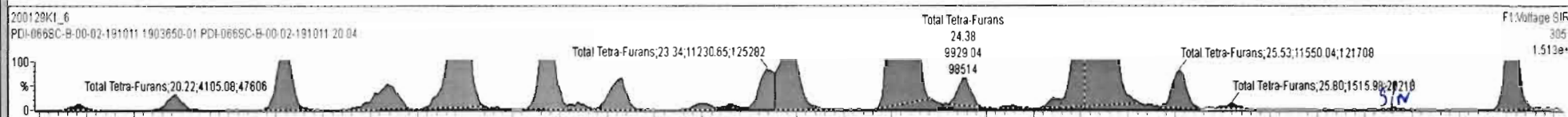
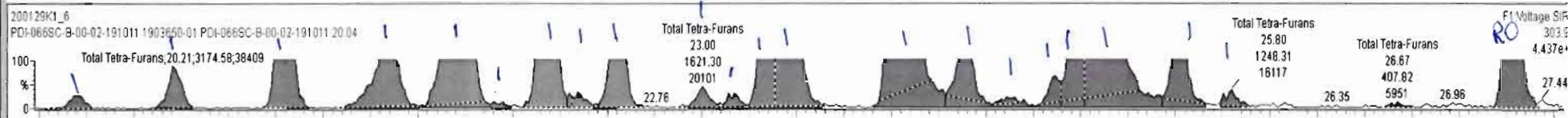
DPE1

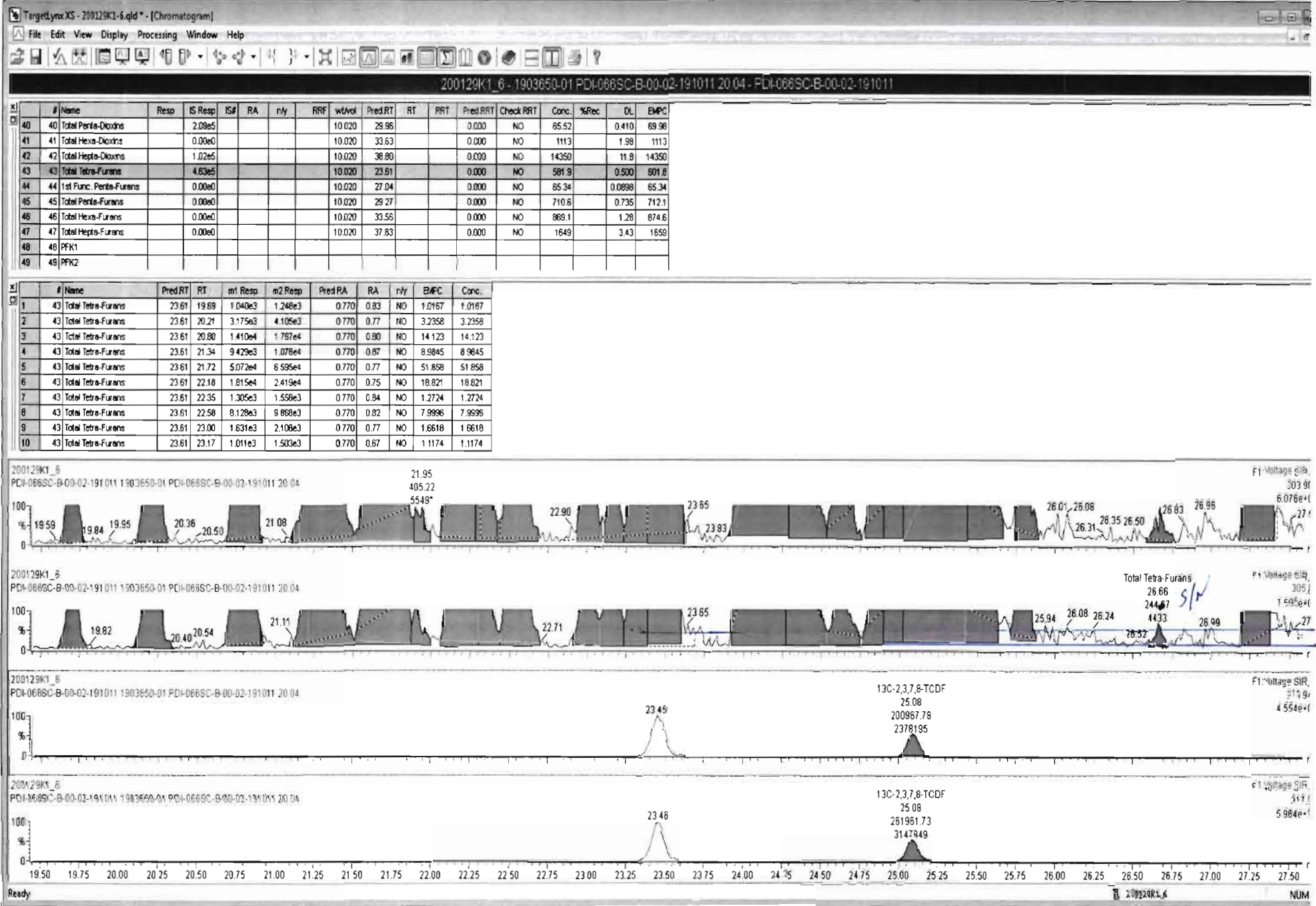


200129K1_6 - 1903650-01 PDI-066SC-B-00-02-191011 20 04 - PDI-066SC-B-00-02-191011

#	Name	Resp	IS Resp	IS#	RA	nly	RRF	wt/vol	Pred RT	RT	RR1	Pred.RRT1	Check RRT	Conc.	%Rec	DL	BMP
40	Total Penta-Dioxins		2.09e5						10.020	29.96		0.000	NO	65.52		0.410	69.98
41	Total Hexa-Dioxins		0.00e0						10.020	33.63		0.000	NO	1113		1.98	1113
42	Total Hepta-Dioxins		1.02e5						10.020	38.80		0.000	NO	14350		11.8	14350
43	Total Tetra-Furans		4.83e5						10.020	23.61		0.000	NO	586.9		0.500	606.8
44	1st Func. Penta-Furans		0.00e0						10.020	27.04		0.000	NO	65.34		0.0698	65.34
45	Total Penta-Furans		0.00e0						10.020	29.27		0.000	NO	710.6		0.735	712.1
46	Total Hexa-Furans		0.00e0						10.020	33.56		0.000	NO	869.1		1.28	874.6
47	Total Hepta-Furans		0.00e0						10.020	37.83		0.000	NO	1649		3.43	1659
48	PPK1																
49	PPK2																

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	nly	BMP	Conc
1	43 Total Tetra-Furans	23.61	19.89	1.040e3	1.248e3	0.770	0.83	NO	1.0167	1.0167
2	43 Total Tetra-Furans	23.61	20.21	3.175e3	4.105e3	0.770	0.77	NO	3.2358	3.2358
3	43 Total Tetra-Furans	23.61	20.80	1.410e4	1.767e4	0.770	0.80	NO	14.123	14.123
4	43 Total Tetra-Furans	23.61	21.34	9.560e3	1.160e4	0.770	0.82	NO	9.4043	9.4043
5	43 Total Tetra-Furans	23.61	21.72	5.070e4	6.612e4	0.770	0.77	NO	51.926	51.926
6	43 Total Tetra-Furans	23.61	21.95	4.052e2	5.295e2	0.770	0.77	NO	0.41548	0.41548
7	43 Total Tetra-Furans	23.61	22.18	1.815e4	2.442e4	0.770	0.74	NO	18.920	18.920
8	43 Total Tetra-Furans	23.61	22.35	1.305e3	1.698e3	0.770	0.79	NO	1.3170	1.3170
9	43 Total Tetra-Furans	23.61	22.58	8.126e3	1.003e4	0.770	0.81	NO	8.0733	8.0733
10	43 Total Tetra-Furans	23.61	23.00	1.621e3	2.057e3	0.770	0.79	NO	1.6348	1.6348





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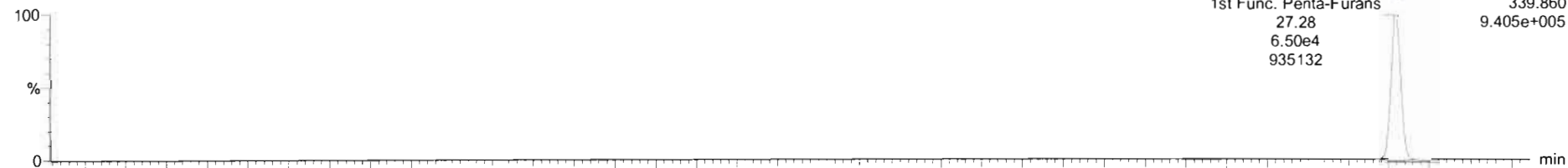
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Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

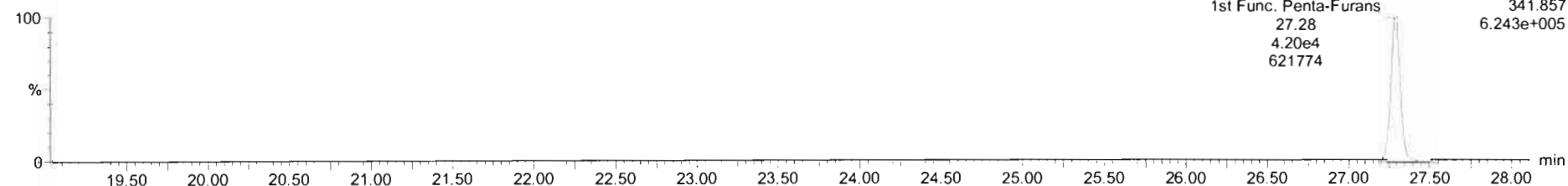
Name: 200129K1_6, Date: 29-Jan-2020, Time: 19:14:43, ID: 1903650-01 PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011

1st Func. Penta-Furans

200129K1_6

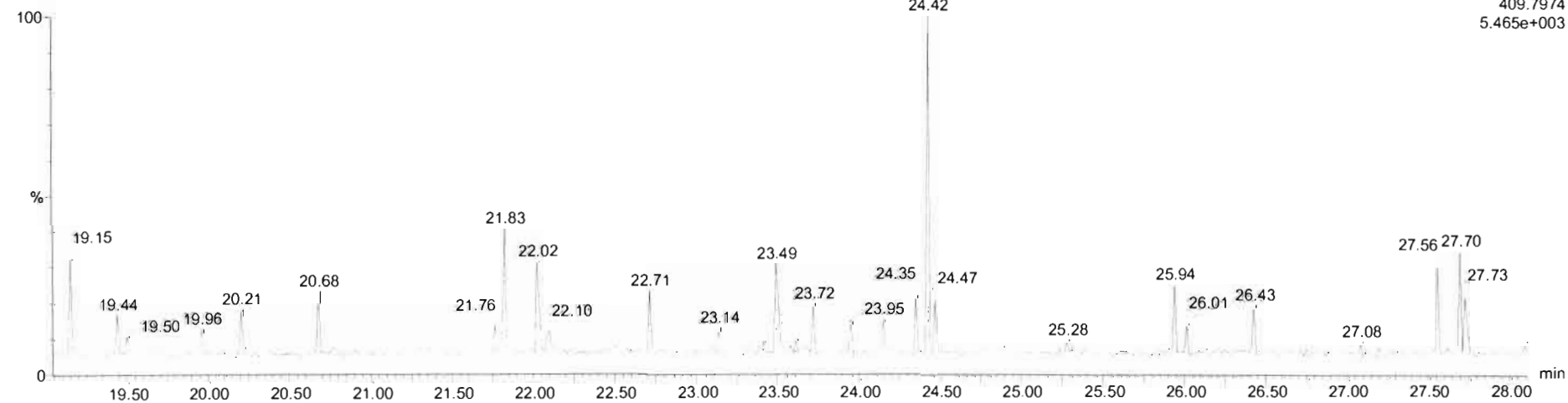


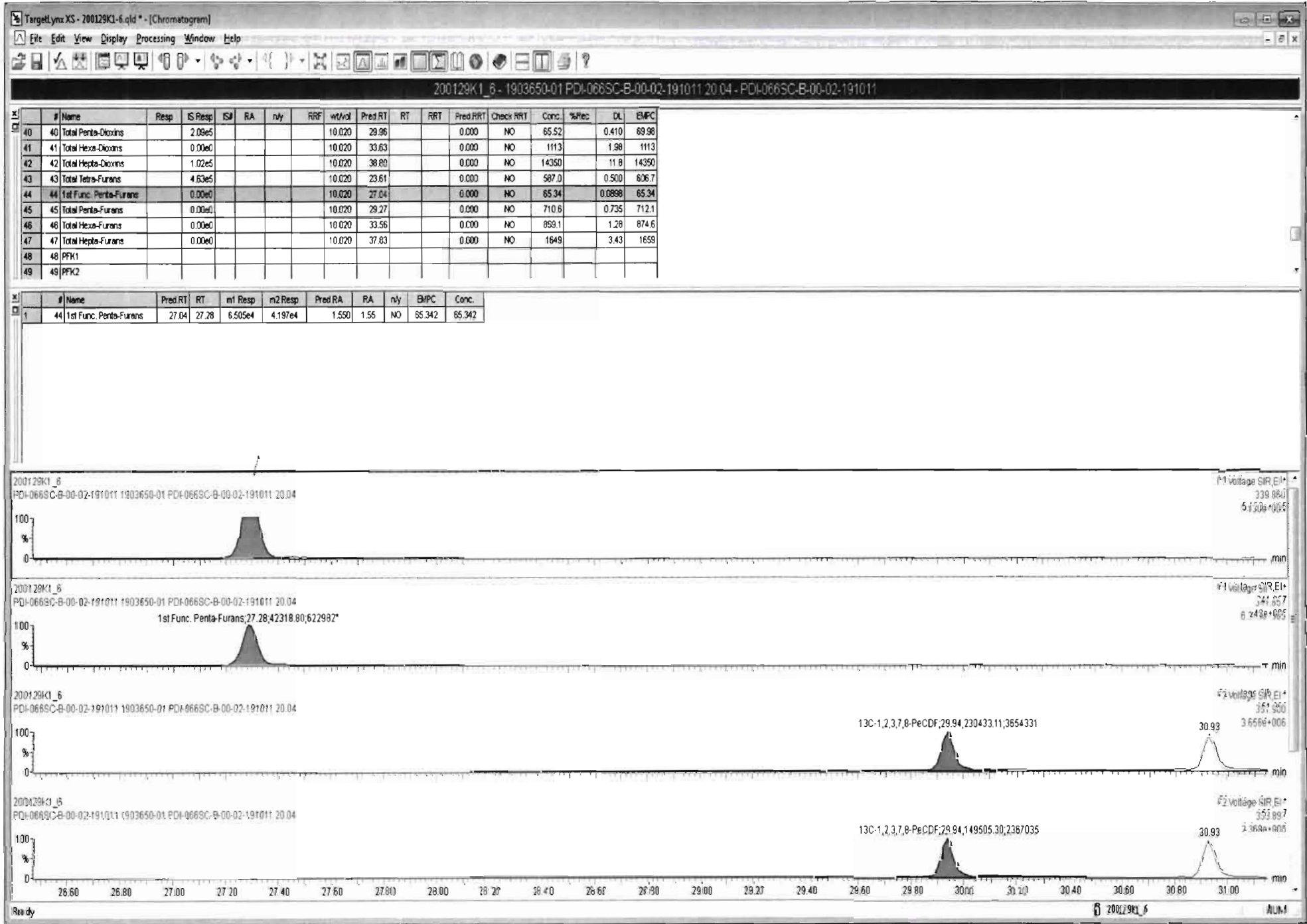
200129K1_6



DPE6

200129K1_6



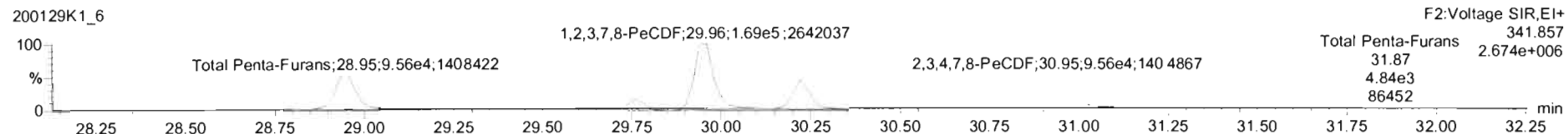


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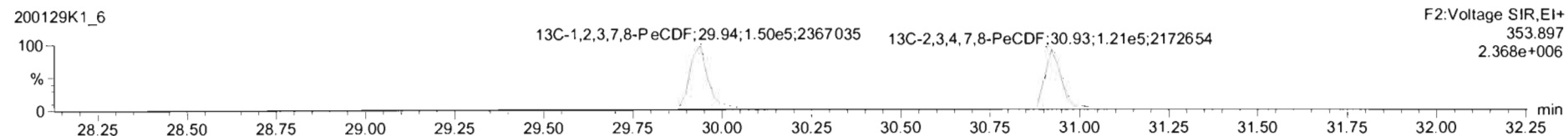
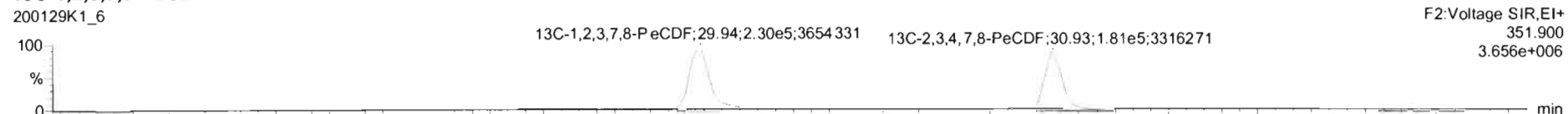
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Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_6, Date: 29-Jan-2020, Time: 19:14:43, ID: 1903650-01 PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011

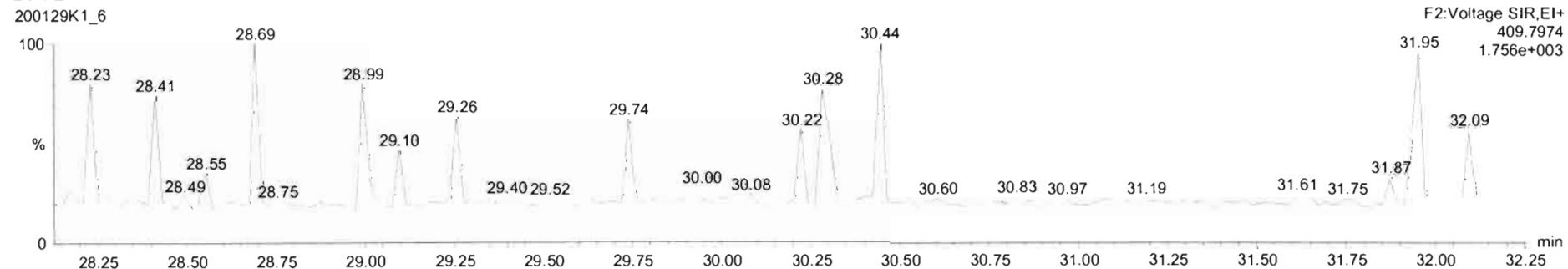
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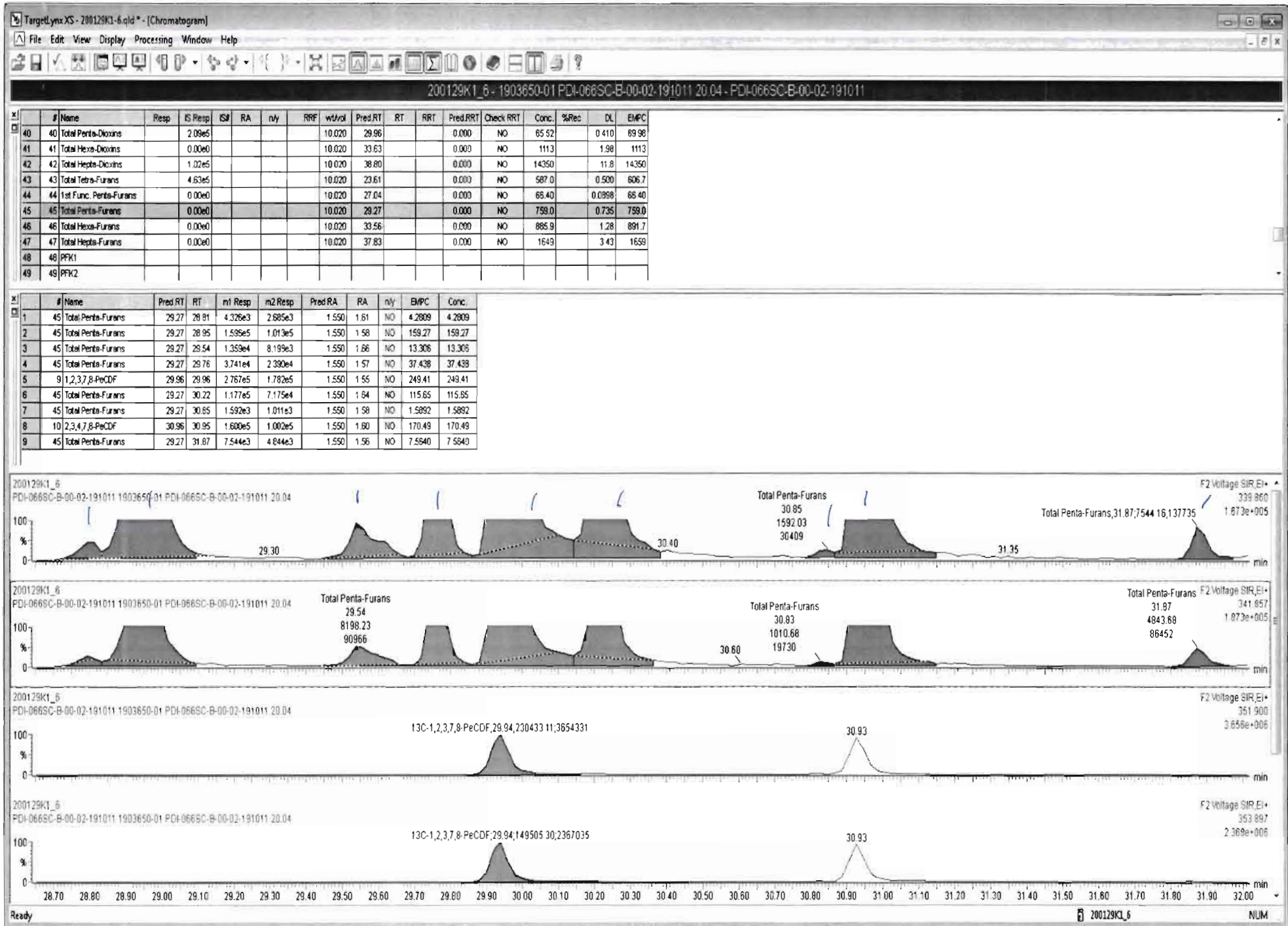


13C-1,2,3,7,8-PeCDF



DPE2

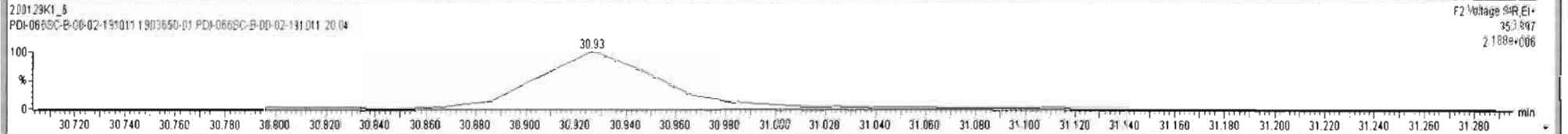
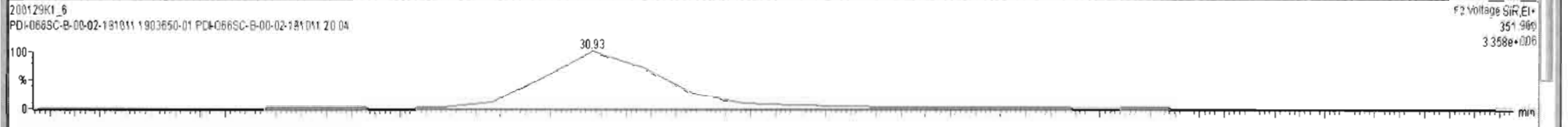
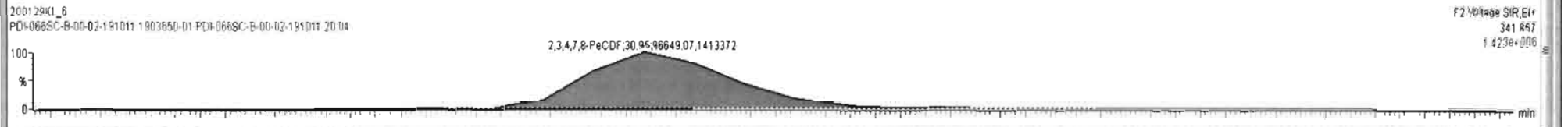
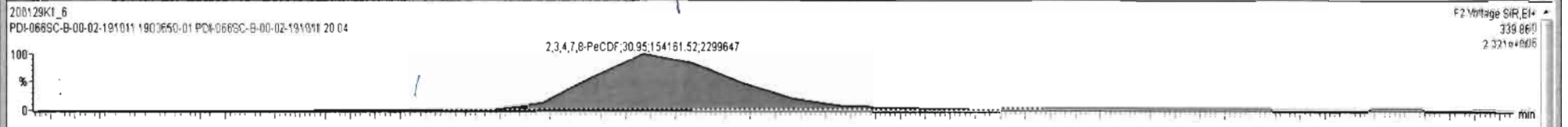




200129K1_6 - 1903650-01 PDI-066SC-B-00-02-191011 20 04 - PDI-066SC-B-00-02-191011

Name	Conc.	DL	%Rec	EMPC	Abs Resp	RRF	RT	#	IS#	RA	YN	RRT	Acq.Date	Acq.Time	1* Chr/Noise	D	Sample Text	Factor1	SM	Cal File	
45 Total Penta-Furans	752.802	0.735		752.802		0.959		45					29-Jan-20	19:14:43		1903650-01...	PDI-066SC-B-00...	1.0	10.0	abs_1...	
46 Total Hexa-Furans	885.899	1.28		891.670		1.213		46					29-Jan-20	19:14:43		1903650-01...	PDI-066SC-B-00...	1.0	10.0	abs_1...	
47 Total Hepta-Furans	1773.18	3.43		1773.16		1.189		47					29-Jan-20	19:14:43		1903650-01...	PDI-066SC-B-00...	1.0	10.0	abs_1...	
48 PFK1								48								1903650-01...					1
49 PFK2								49								1903650-01...					1
50 PFK3								50								1903650-01...					1
51 PFK4								51								1903650-01...					1
52 PFK5								52								1903650-01...					1

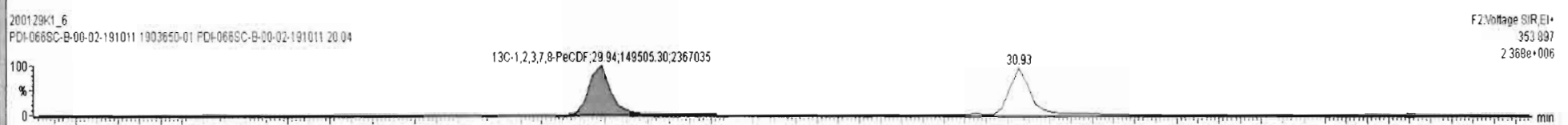
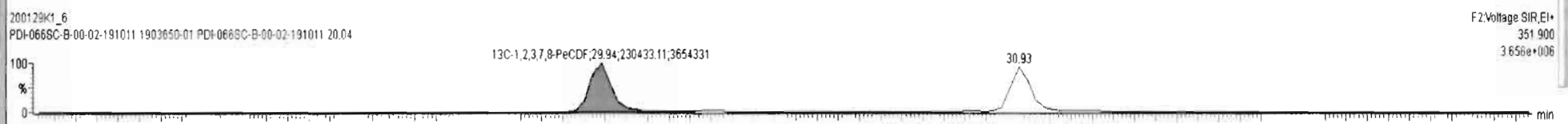
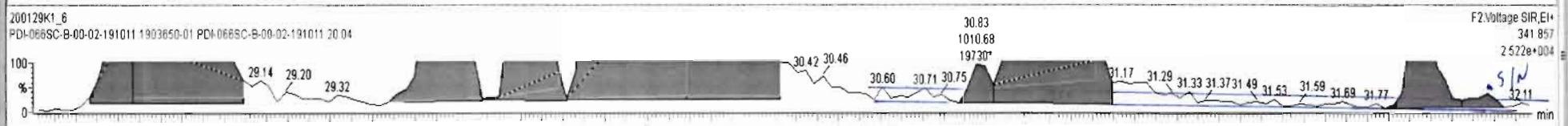
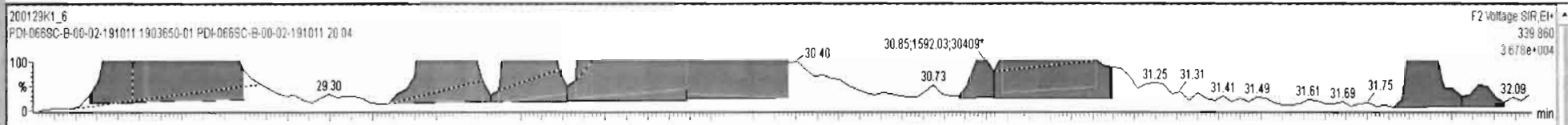
Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC
1 2,3,7,8-PeCDF	29.96	4.259e6	2.888e6	2.767e5	1.782e5	1.55	NO	4.548e5	249	249
2 Total Penta-Furans	29.76	8.462e5	4.228e5	3.741e4	2.390e4	1.57	NO	6.131e4	37.4	37.4
3 Total Penta-Furans	29.54	1.537e5	9.087e4	1.359e4	8.198e3	1.66	NO	2.179e4	13.3	13.3
4 Total Penta-Furans	28.95	2.335e6	1.431e6	1.596e5	1.013e5	1.58	NO	2.608e5	159	159
5 Total Penta-Furans	28.81	7.039e4	4.567e4	4.326e3	2.685e3	1.61	NO	7.011e3	4.28	4.28
6 Total Penta-Furans	31.87	1.377e5	8.645e4	7.544e3	4.844e3	1.56	NO	1.239e4	7.56	7.56
7 2,3,4,7,8-PeCDF	30.95	2.300e6	1.413e6	1.542e5	9.665e4	1.60	NO	2.508e5	164	164
8 Total Penta-Furans	30.22	1.913e6	1.209e6	1.177e5	7.175e4	1.64	NO	1.894e5	116	116
9 Total Penta-Furans	30.85	3.041e4	1.973e4	1.592e3	1.011e3	1.58	NO	2.803e3	1.59	1.59



200129K1_6 - 1903650-01 PDI-066SC-B-00-02-191011 20 04 - PDI-066SC-B-00-02-191011

#	Name	Resp	IS Resp	IS#	RA	n/y	RPF	w/Vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
40	Total Penta-Dioxins		2.09e5					10.020	29.96			0.000	NO	65.52		0.410	69.98
41	Total Hexa-Dioxins		0.00e0					10.020	33.63			0.000	NO	1113		1.98	1113
42	Total Hepta-Dioxins		1.02e5					10.020	38.90			0.000	NO	14350		11.8	14350
43	Total Tetra-Furans		4.63e5					10.020	23.61			0.000	NO	597.0		0.500	606.7
44	1st Func. Penta-Furans		0.00e0					10.020	27.04			0.000	NO	66.40		0.0896	66.40
45	Total Penta-Furans		0.00e0					10.020	29.27			0.000	NO	750.0		0.735	750.7
46	Total Hexa-Furans		0.00e0					10.020	33.58			0.000	NO	895.9		1.28	891.7
47	Total Hepta-Furans		0.00e0					10.020	37.83			0.000	NO	1649		3.43	1659
48	PFK1																
49	PFK2																

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.
1	45 Total Penta-Furans	29.27	28.81	4.326e3	2.685e3	1.550	1.61	NO	4.2809	4.2809
2	45 Total Penta-Furans	29.27	28.95	1.594e5	1.006e5	1.550	1.59	NO	158.76	158.76
3	45 Total Penta-Furans	29.27	29.54	1.325e4	8.088e3	1.550	1.64	NO	13.030	13.030
4	45 Total Penta-Furans	29.27	29.76	3.680e4	2.317e4	1.550	1.59	NO	36.617	36.617
5	9 1,2,3,7,8-PeCDF	29.96	29.96	2.751e5	1.777e5	1.550	1.55	NO	248.33	248.33
6	45 Total Penta-Furans	29.27	30.22	1.168e5	7.140e4	1.550	1.64	NO	114.94	114.94
7	10 2,3,4,7,8-PeCDF	30.96	30.95	1.570e5	9.714e4	1.550	1.62	NO	166.49	166.49
8	45 Total Penta-Furans	29.27	31.87	7.544e3	4.844e3	1.550	1.56	NO	7.5640	7.5640
9	45 Total Penta-Furans	29.27	32.01	1.055e3	4.258e2	1.550	2.48	YES	0.66303	0.00000

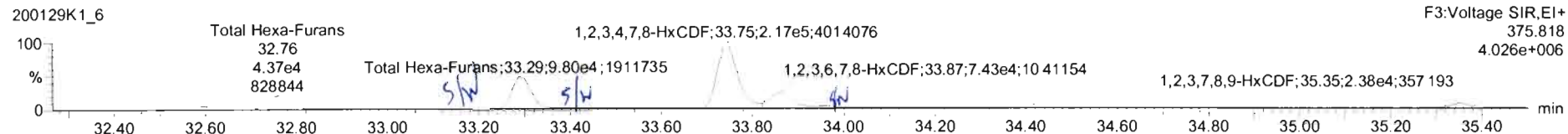
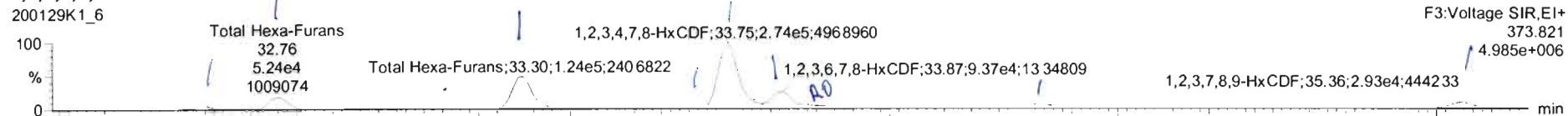


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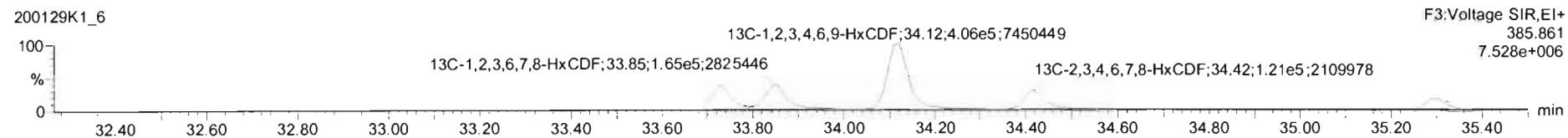
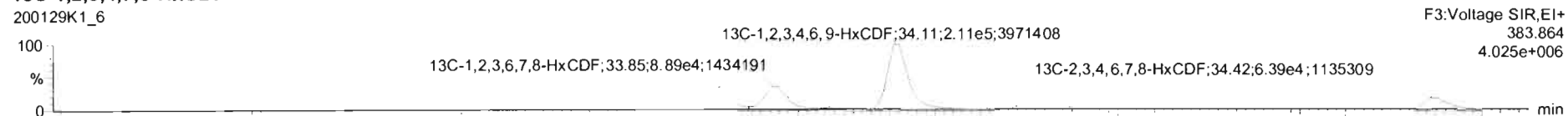
Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time
Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_6, Date: 29-Jan-2020, Time: 19:14:43, ID: 1903650-01 PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011

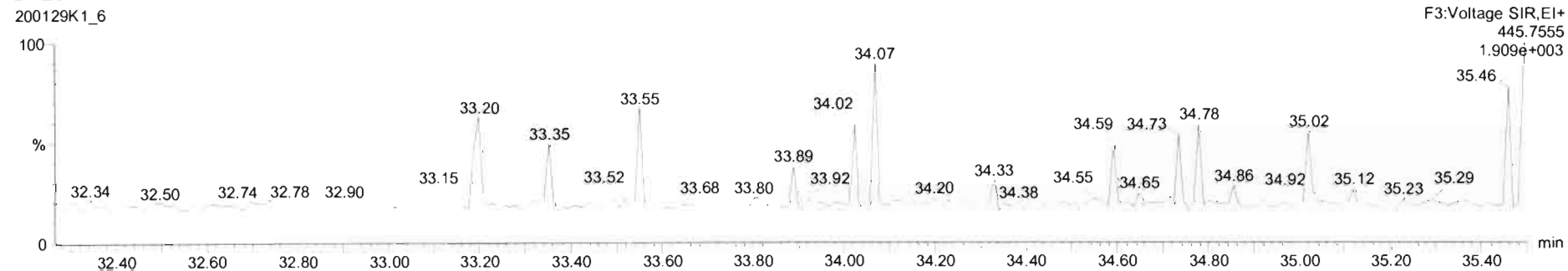
1,2,3,4,7,8-HxCDF



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

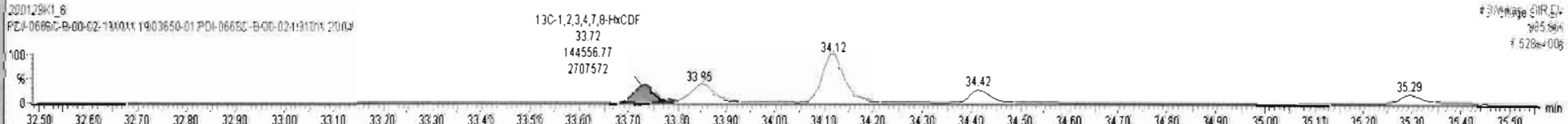
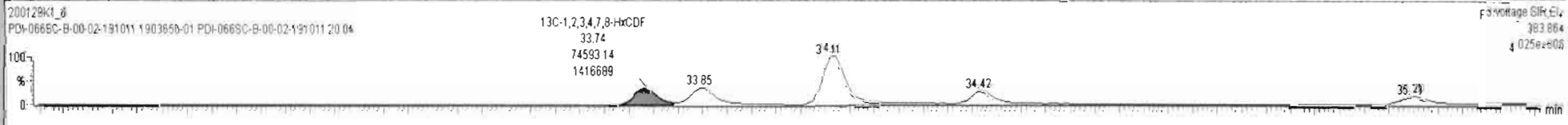
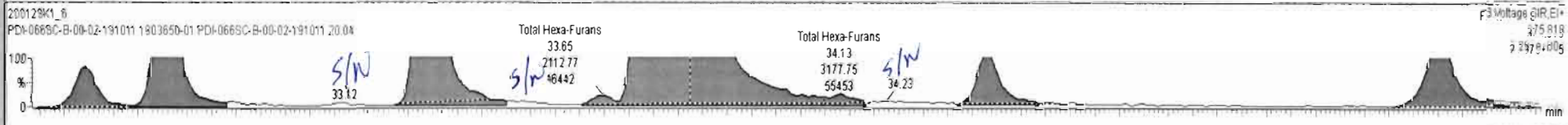
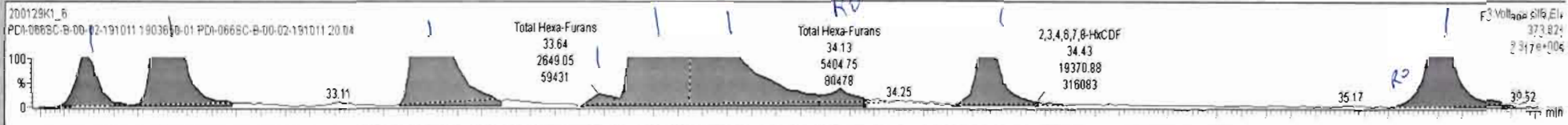


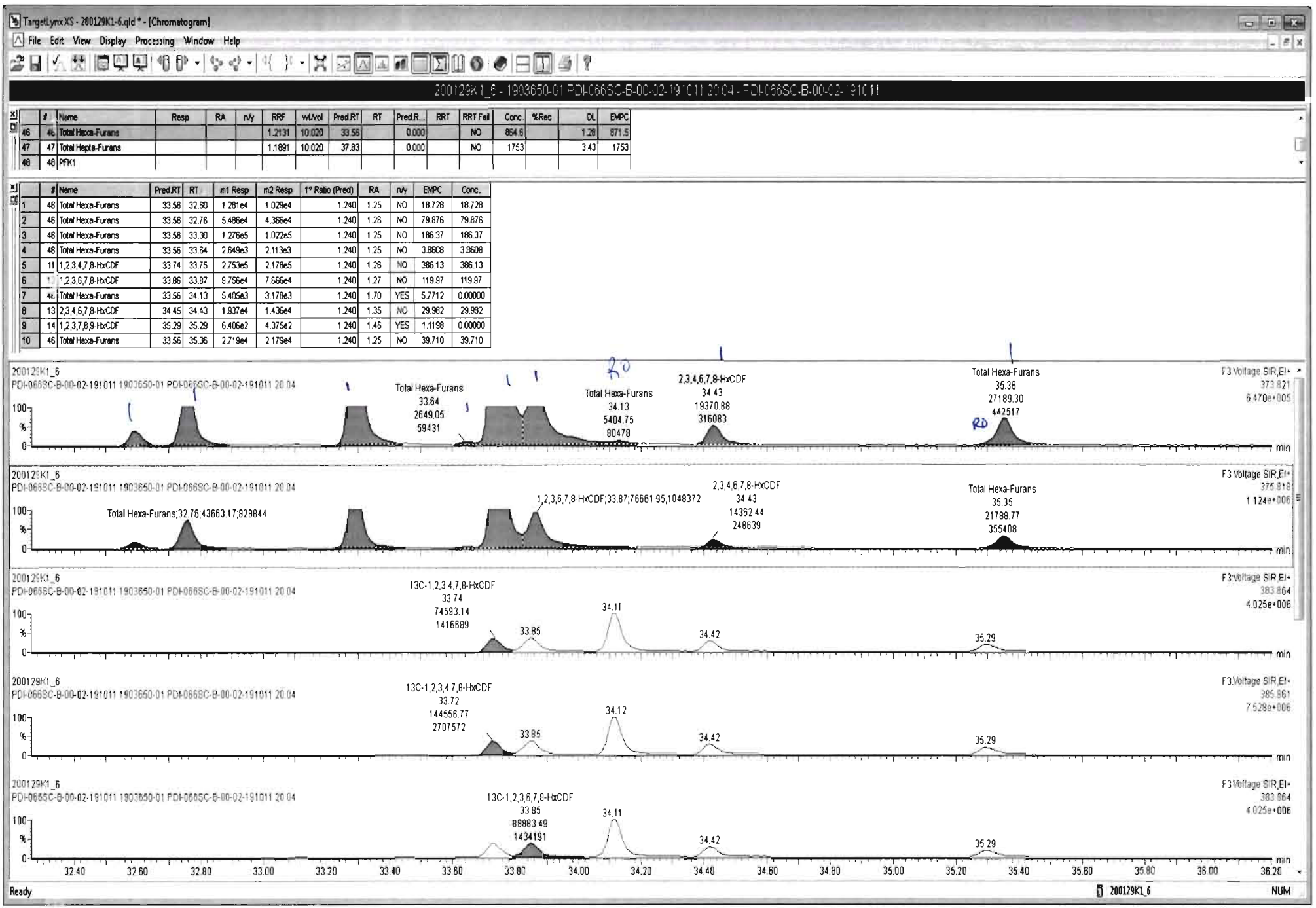
DPE3

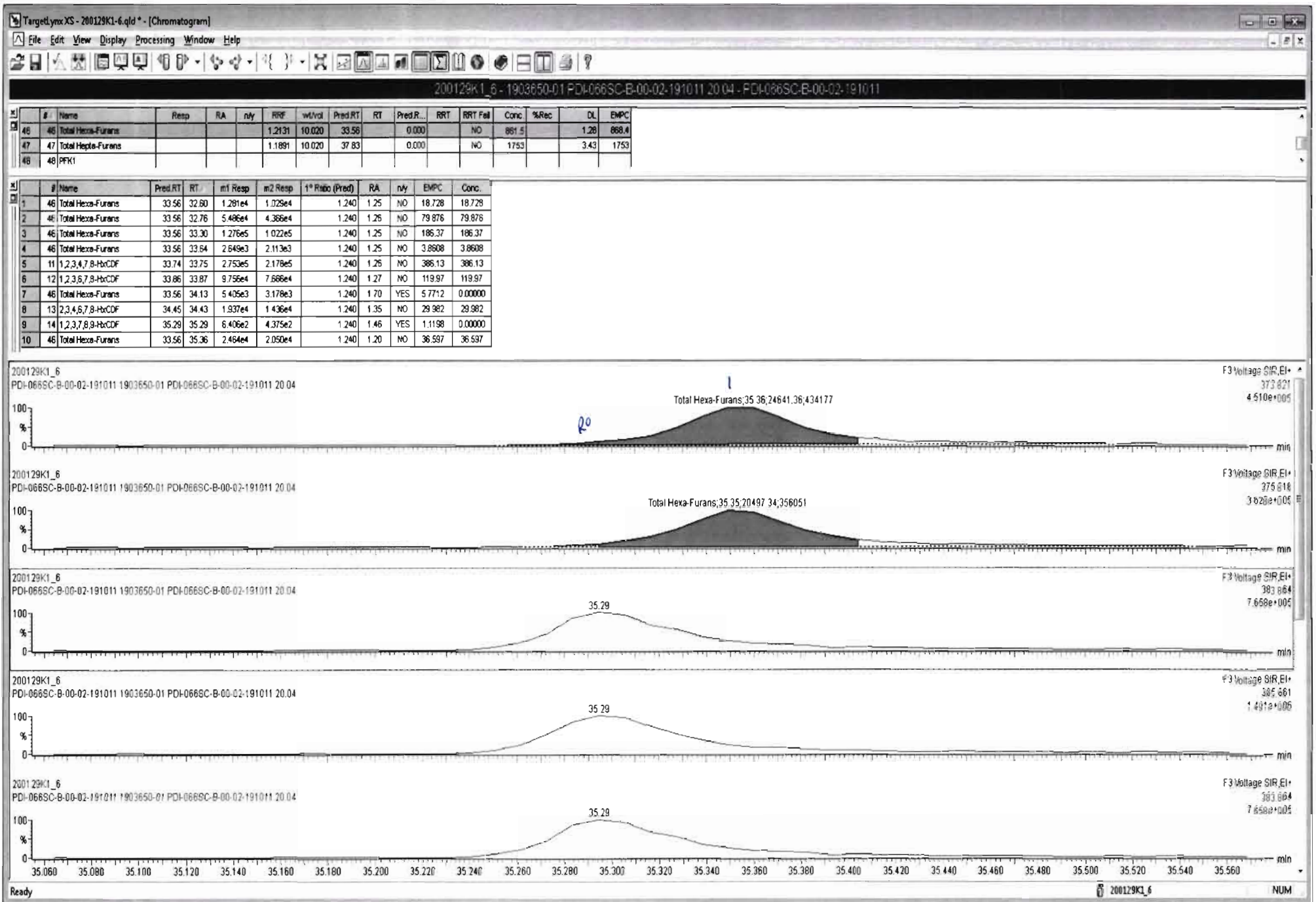


#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wf/wol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
40	Total Penta-Dioxins		2.09e5						10.020	29.96		0.000	NO	95.52	0.410	89.98	
41	Total Hexa-Dioxins		0.00e0						10.020	33.63		0.000	NO	111.3	1.96	111.3	
42	Total Hepta-Dioxins		1.02e5						10.020	38.80		0.000	NO	14350	11.8	14350	
43	Total Tetra-Furans		4.63e5						10.020	23.61		0.000	NO	587.0	0.500	606.7	
44	1st Func. Penta-Furans		0.00e0						10.020	27.04		0.000	NO	86.40	0.0896	86.40	
45	Total Penta-Furans		0.00e0						10.020	29.27		0.000	NO	750.0	0.735	750.7	
46	Total Hexa-Furans		0.00e0						10.020	33.56		0.000	NO	885.9	1.26	891.7	
47	Total Hepta-Furans		0.00e0						10.020	37.83		0.000	NO	1649	3.43	1659	
48	PFK1																
49	PFK2																

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred.RA	RA	n/y	EMPC	Conc.
1	46 Total Hexa-Furans	33.56	32.60	1.261e4	1.029e4	1.240	1.25	NO	18.728	18.728
2	46 Total Hexa-Furans	33.56	32.76	5.486e4	4.368e4	1.240	1.26	NO	79.876	79.876
3	46 Total Hexa-Furans	33.56	33.30	1.276e5	1.022e5	1.240	1.25	NO	186.37	186.37
4	46 Total Hexa-Furans	33.56	33.64	2.649e3	2.113e3	1.240	1.25	NO	3.6508	3.6508
5	11 1,2,3,4,7,8-HxCDF	33.74	33.75	2.753e5	2.178e5	1.240	1.26	NO	386.13	386.13
6	12 1,2,3,6,7,8-HxCDF	33.86	33.87	9.756e4	7.666e4	1.240	1.27	NO	119.97	119.97
7	46 Total Hexa-Furans	33.56	34.13	5.405e3	3.179e3	1.240	1.70	YES	5.7712	0.00000
8	13 2,3,4,6,7,8-HxCDF	34.45	34.43	1.937e4	1.436e4	1.240	1.35	NO	29.982	29.982
9	14 1,2,3,6,8-HxCDF	35.29	35.36	2.984e4	2.353e4	1.240	1.27	NO	60.993	60.993





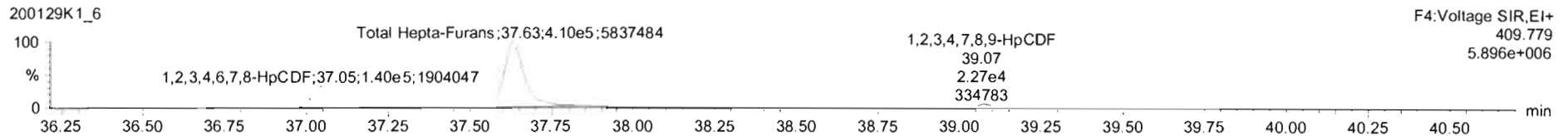
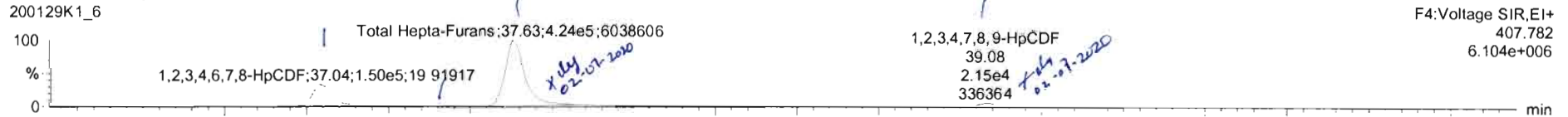


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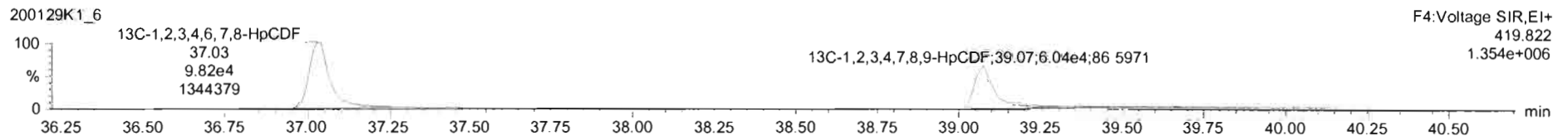
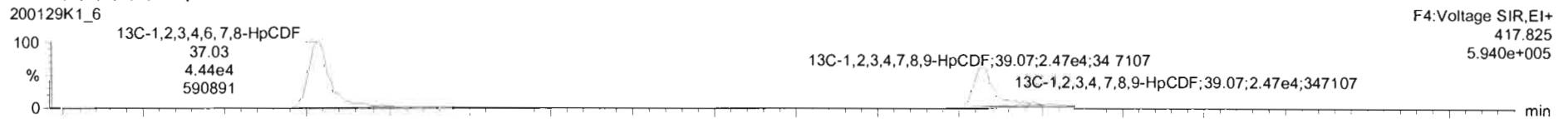
Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time
Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_6, Date: 29-Jan-2020, Time: 19:14:43, ID: 1903650-01 PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011

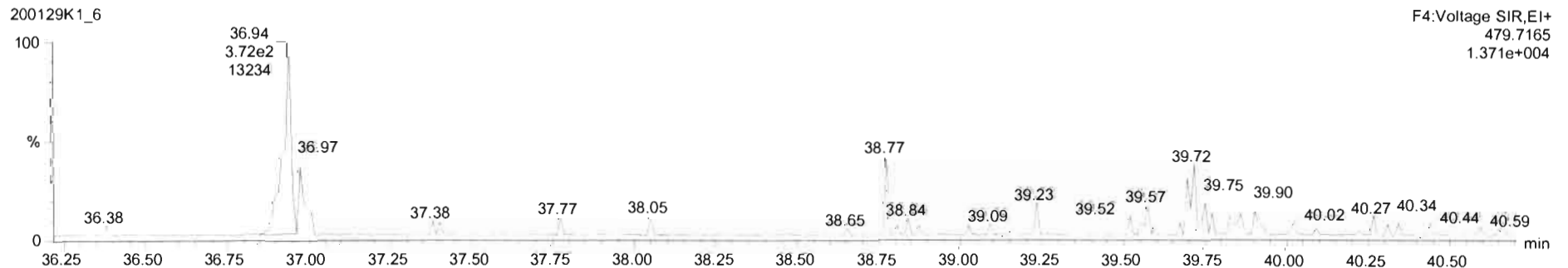
1,2,3,4,6,7,8-HpCDF

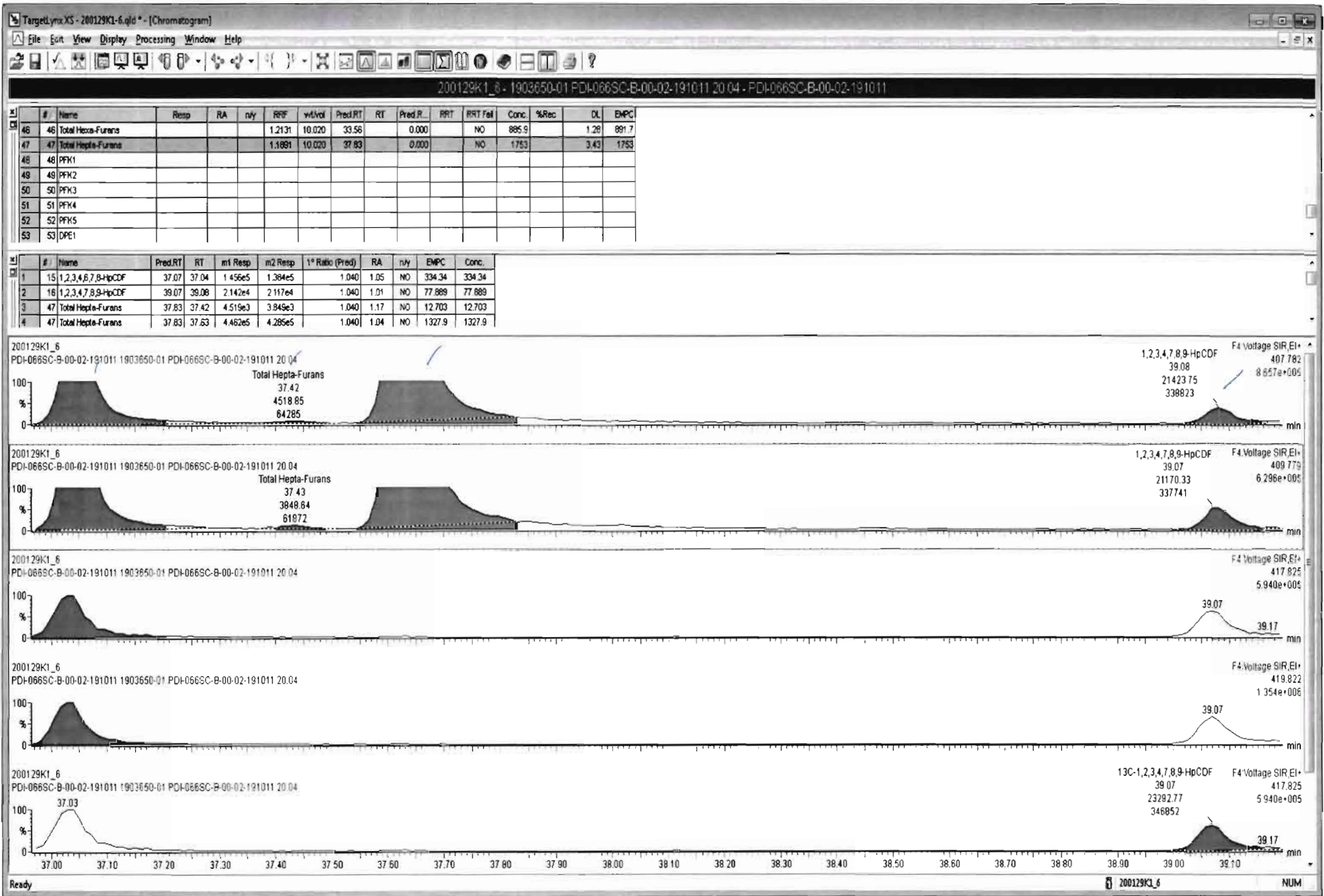


13C-1,2,3,4,6,7,8-HpCDF



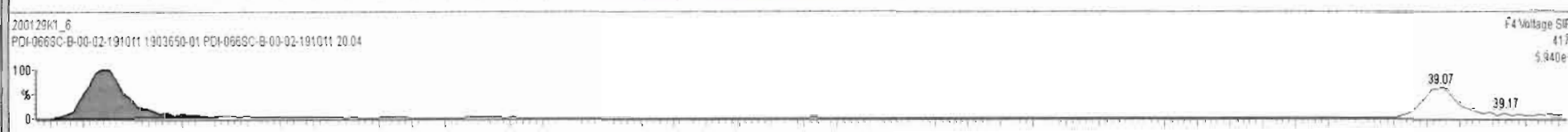
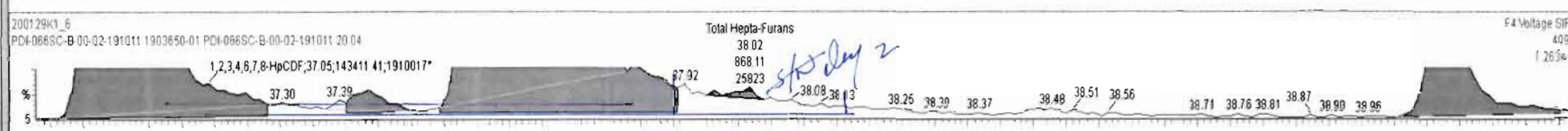
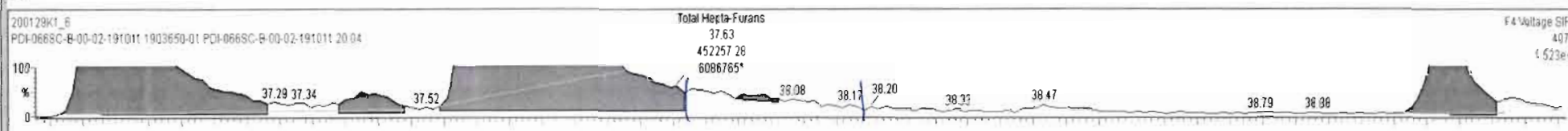
DPE4

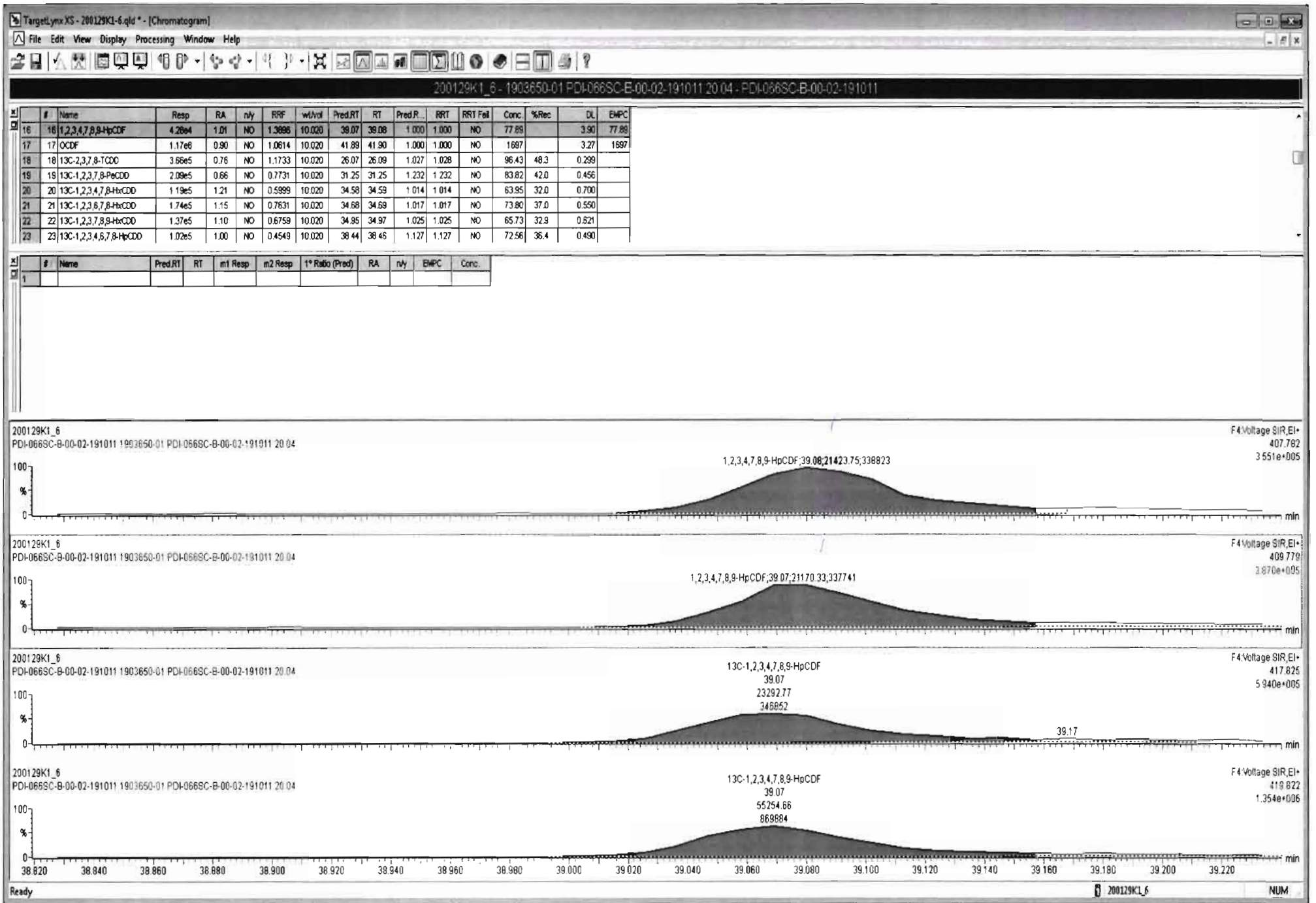




#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/vol	Pred RT	RT	PRT	Pred PRT	Check PRT	Conc.	%Rec	DL	EMPC
40	Total Penta-Dioxins		2.08e5					10.020	29.96			0.000	NO	65.52		0.410	69.96
41	Total Hexa-Dioxins		0.00e0					10.020	33.83			0.000	NO	1113		1.98	1113
42	Total Hepta-Dioxins		1.02e5					10.020	38.80			0.000	NO	14350		11.8	14350
43	Total Tetra-Furans		4.63e5					10.020	23.61			0.000	NO	587.0		0.500	606.7
44	1st Func. Penta-Furans		0.00e0					10.020	27.04			0.000	NO	66.40		0.0898	66.40
45	Total Penta-Furans		0.00e0					10.020	29.27			0.000	NO	759.0		0.735	759.0
46	Total Hexa-Furans		0.00e0					10.020	33.56			0.000	NO	885.9		1.28	891.7
47	Total Hepta-Furans		0.00e0					10.020	37.83			0.000	NO	1649		3.43	1659
48	PFK1																
49	PFK2																

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.
1	1,2,3,4,6,7,8-HpCDF	37.07	37.04	1.503e5	1.395e5	1.040	1.08	NO	341.16	341.16
2	Total Hepta-Furans	37.83	37.42	4.367e3	3.136e3	1.040	1.39	YES	9.4312	0.00000
3	Total Hepta-Furans	37.83	37.63	4.244e5	4.104e5	1.040	1.03	NO	1230.7	1230.7
4	Total Hepta-Furans	37.83	38.01	9.235e2	6.681e2	1.040	1.06	NO	2.6415	2.6415
5	1,2,3,4,7,8,9-HpCDF	39.07	39.08	2.148e4	2.274e4	1.040	0.94	NO	74.611	74.611

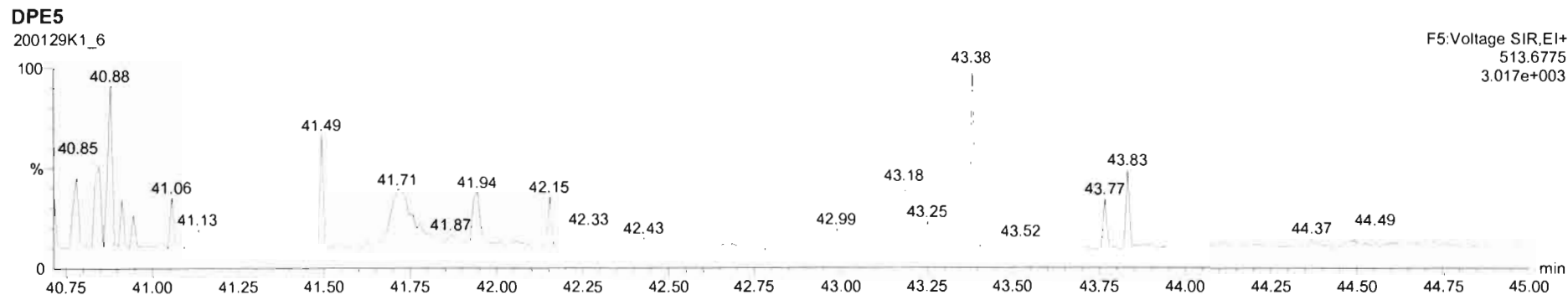
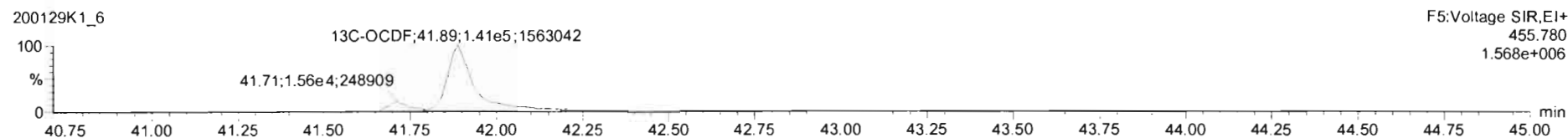
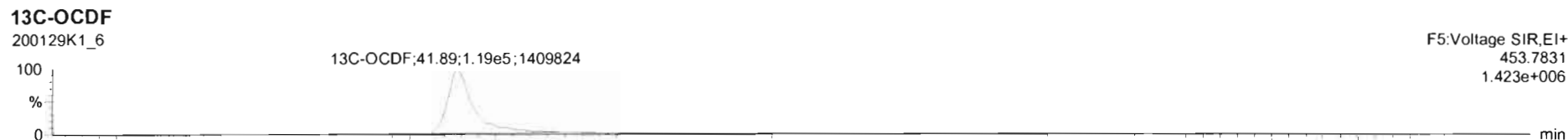
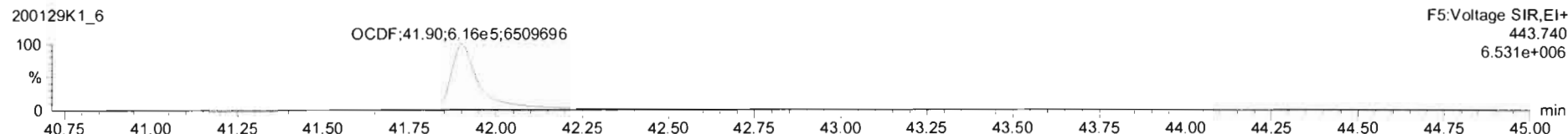
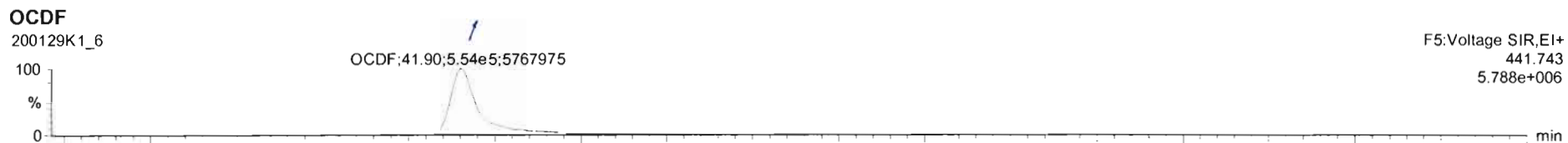




Dataset: Untitled

Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time
Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_6, Date: 29-Jan-2020, Time: 19:14:43, ID: 1903650-01 PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011

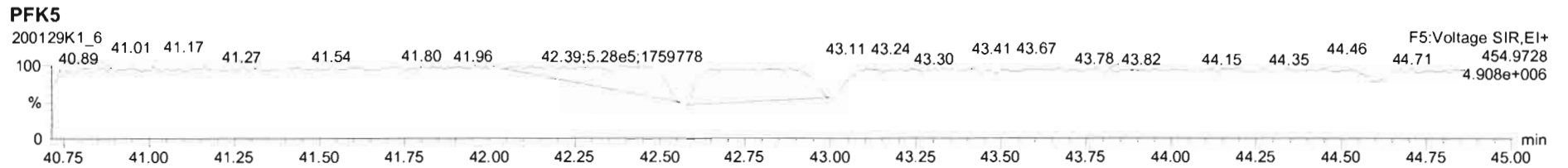
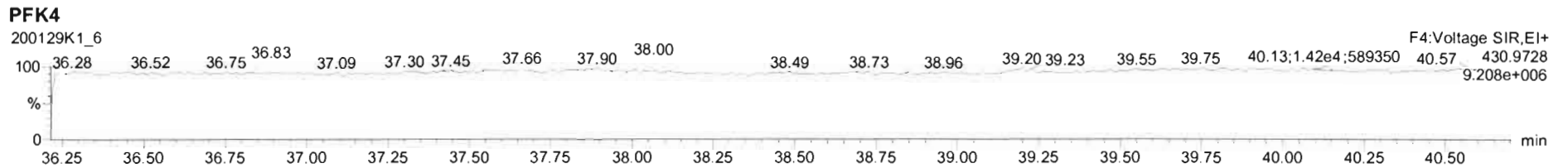
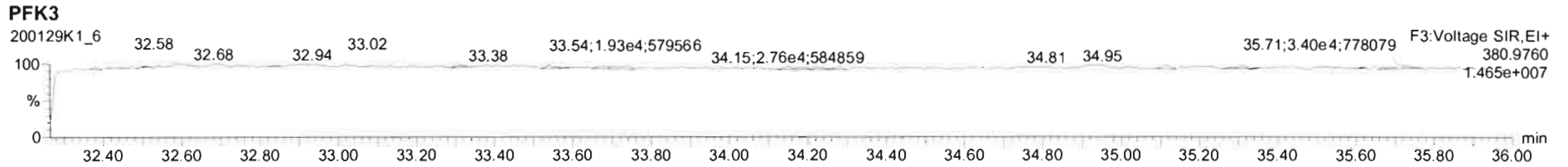
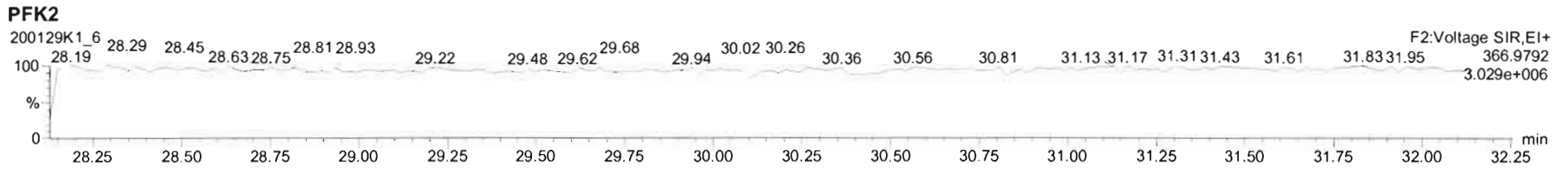
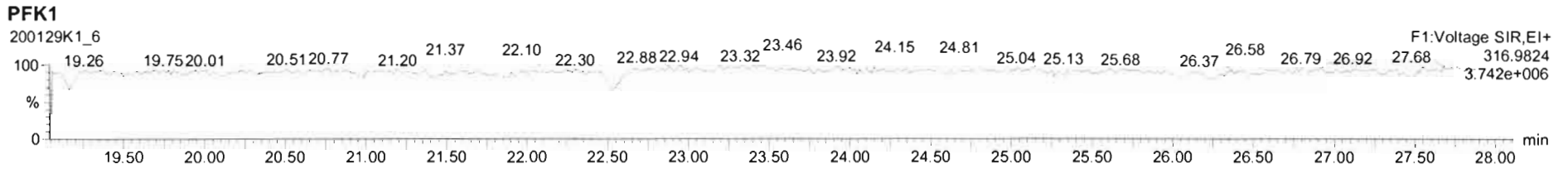


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Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time

Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_6, Date: 29-Jan-2020, Time: 19:14:43, ID: 1903650-01 PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011



Dataset: U:\VG11.PRO\Results\200129K2\200129K2-15.qld

Last Altered: Tuesday, February 04, 2020 11:23:37 Pacific Standard Time

Printed: Tuesday, February 04, 2020 11:24:32 Pacific Standard Time

Hc 2-4-2020

CT 02/06/2020

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K2_15, Date: 30-Jan-2020, Time: 14:41:26, ID: 1903650-01@10X PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011

#	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	2.10e5	1.05	NO	1.06	10.020	38.477	38.47	1.000	1.000	5407.5		44.8	5410
2	7 OCDD	1.48e6	0.89	NO	1.04	10.020	41.681	41.69	1.000	1.000	48883		54.4	48900
3	23 13C-1,2,3,4,6,7,8-HpCDD	7.29e3	1.13	NO	0.455	10.020	38.457	38.47	1.127	1.127	60.761	30.4	2.30	
4	24 13C-OCDD	1.16e4	1.00	NO	0.371	10.020	41.685	41.68	1.222	1.222	118.03	29.6	3.38	
5	38 13C-1,2,3,4,6,9-HxCDF	5.26e4	0.50	NO	1.00	10.020	34.100	34.12	1.000	1.000	199.60	100	2.72	

Dataset: U:\VG11.PRO\Results\200129K2\200129K2-15.qld

Last Altered: Tuesday, February 04, 2020 11:21:08 Pacific Standard Time

Printed: Tuesday, February 04, 2020 11:21:48 Pacific Standard Time

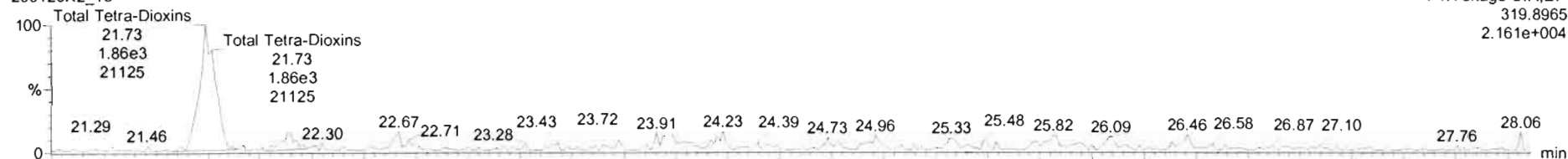
Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

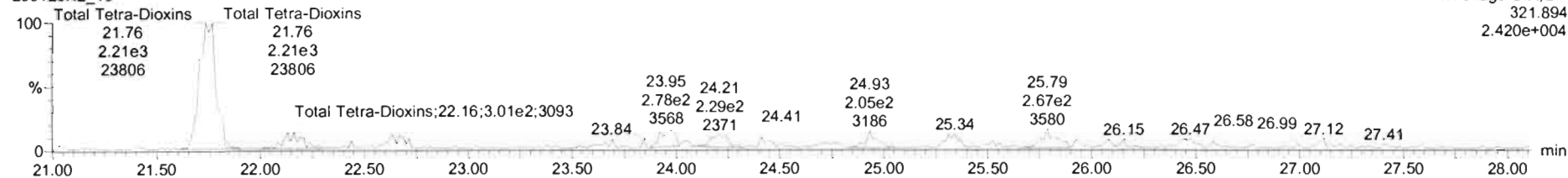
Name: 200129K2_15, Date: 30-Jan-2020, Time: 14:41:26, ID: 1903650-01@10X PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011

2,3,7,8-TCDD

200129K2_15

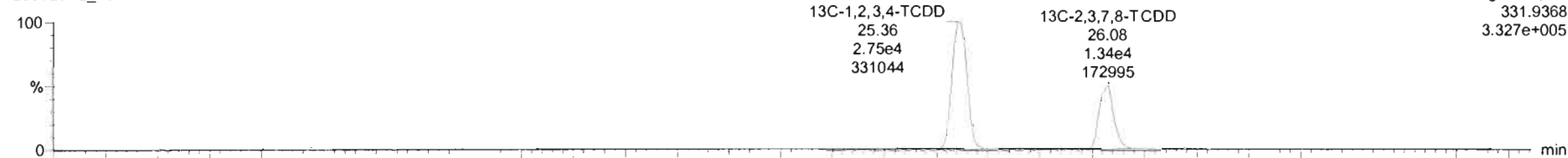


200129K2_15

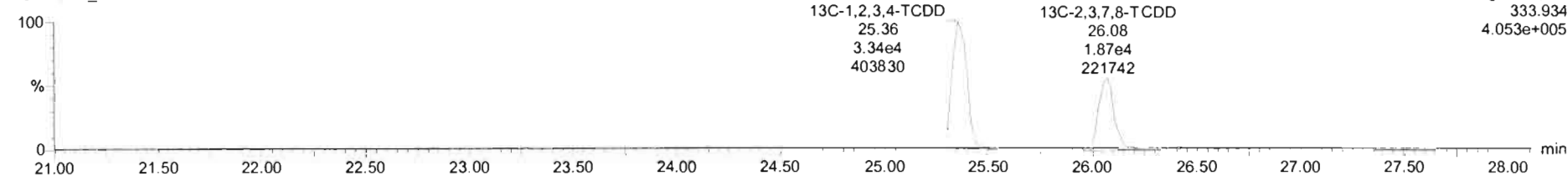


13C-2,3,7,8-TCDD

200129K2_15



200129K2_15



Dataset: U:\VG11.PRO\Results\200129K2\200129K2-15.qld

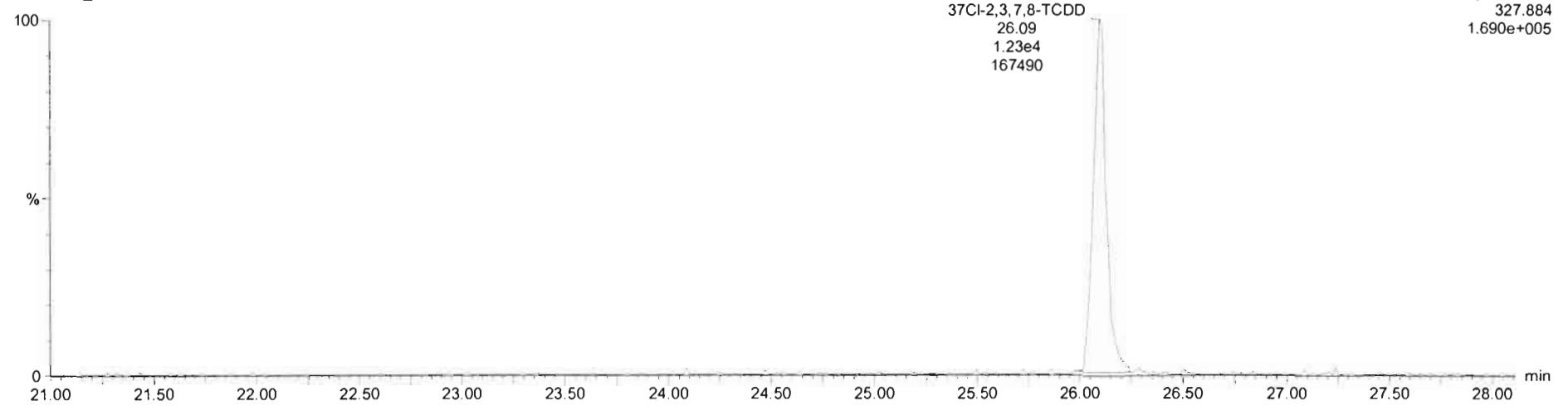
Last Altered: Tuesday, February 04, 2020 11:21:08 Pacific Standard Time

Printed: Tuesday, February 04, 2020 11:21:48 Pacific Standard Time

Name: 200129K2_15, Date: 30-Jan-2020, Time: 14:41:26, ID: 1903650-01@10X PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011

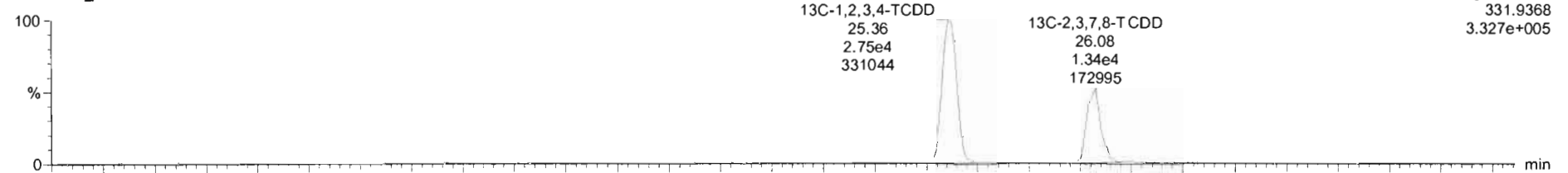
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200129K2_15

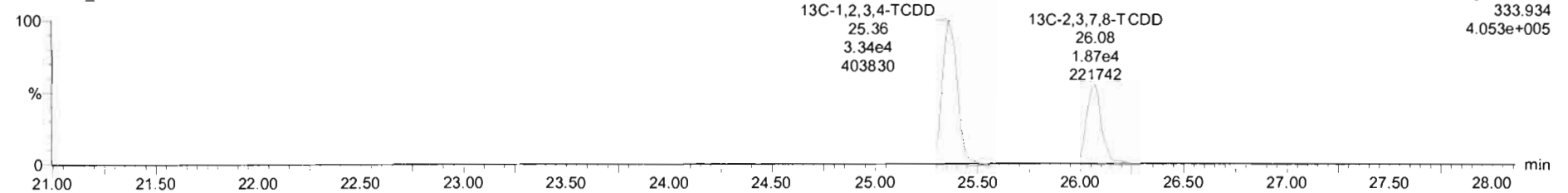


13C-1,2,3,4-TCDD

200129K2_15



200129K2_15



Dataset: U:\VG11.PRO\Results\200129K2\200129K2-15.qld

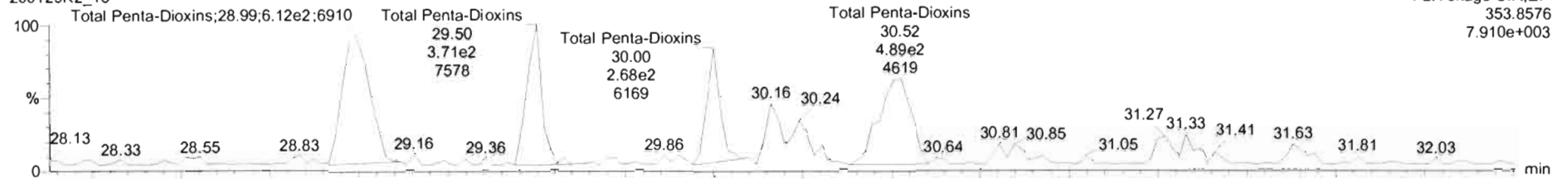
Last Altered: Tuesday, February 04, 2020 11:21:08 Pacific Standard Time

Printed: Tuesday, February 04, 2020 11:21:48 Pacific Standard Time

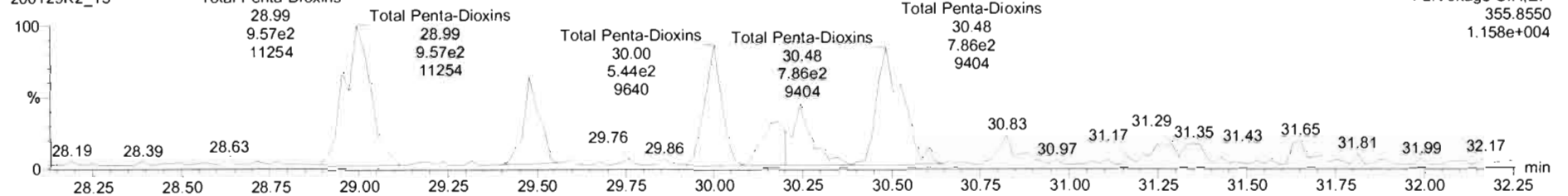
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1,2,3,7,8-PeCDD

200129K2_15

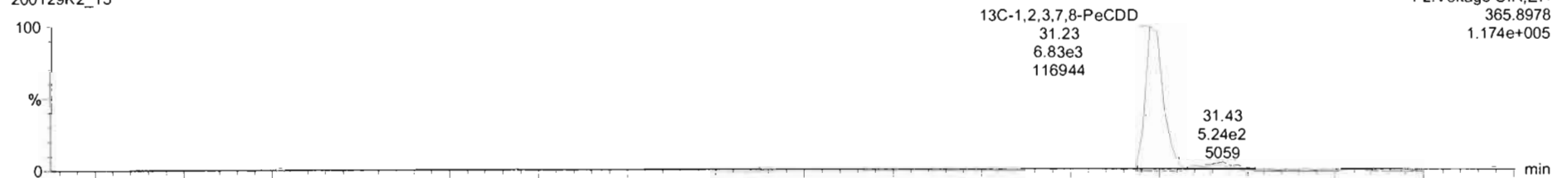


200129K2_15

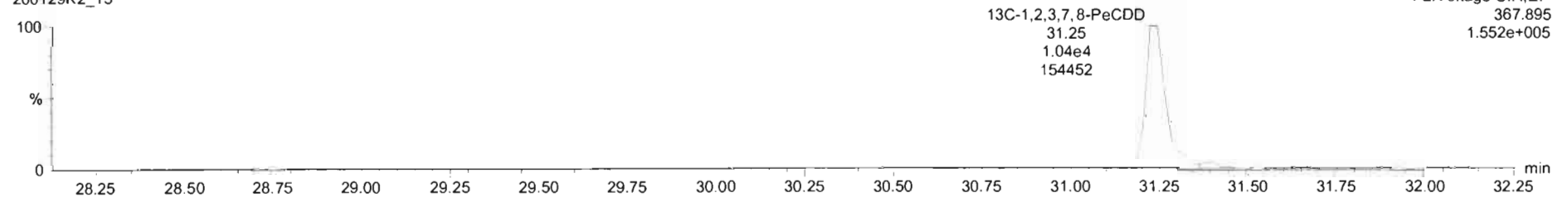


13C-1,2,3,7,8-PeCDD

200129K2_15



200129K2_15



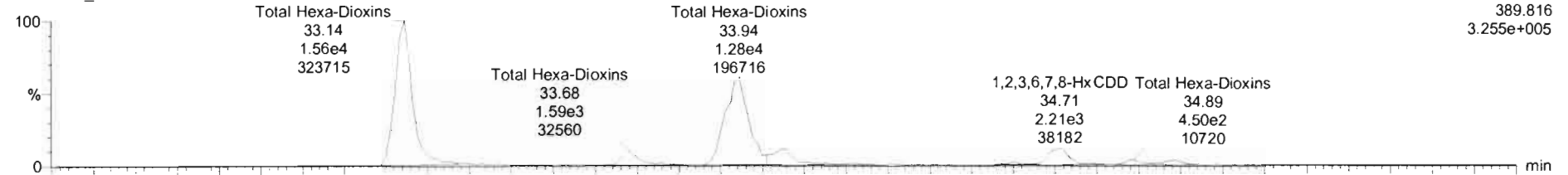
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Last Altered: Tuesday, February 04, 2020 11:21:08 Pacific Standard Time
Printed: Tuesday, February 04, 2020 11:21:48 Pacific Standard Time

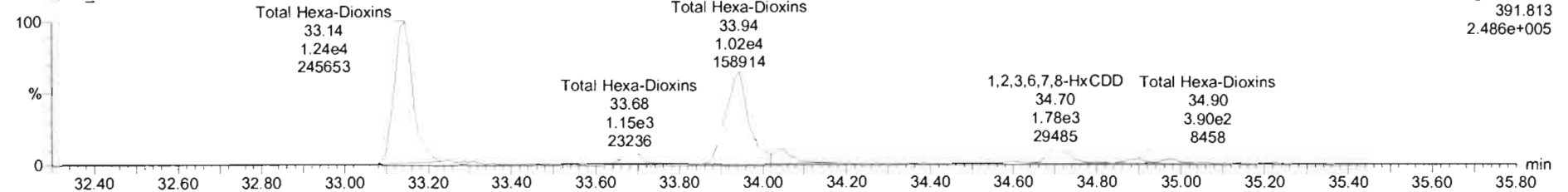
Name: 200129K2_15, Date: 30-Jan-2020, Time: 14:41:26, ID: 1903650-01@10X PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011

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

200129K2_15

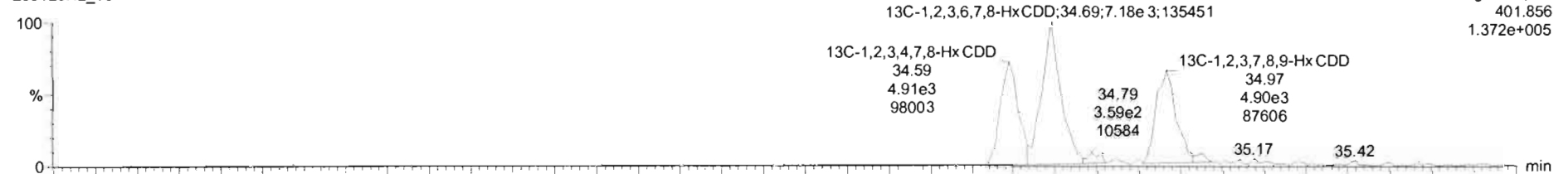


200129K2_15

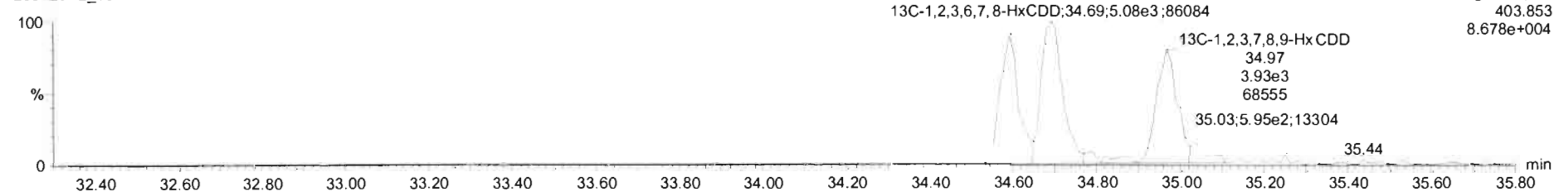


13C-1,2,3,4,7,8-HxCDD

200129K2_15



200129K2_15



Dataset: U:\VG11.PRO\Results\200129K2\200129K2-15.qld

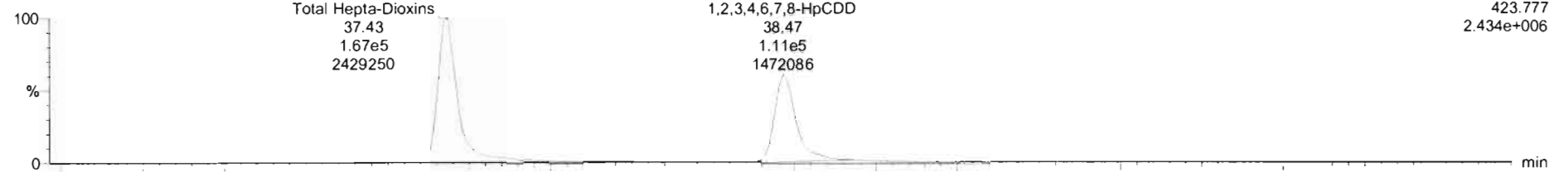
Last Altered: Tuesday, February 04, 2020 11:21:08 Pacific Standard Time

Printed: Tuesday, February 04, 2020 11:21:48 Pacific Standard Time

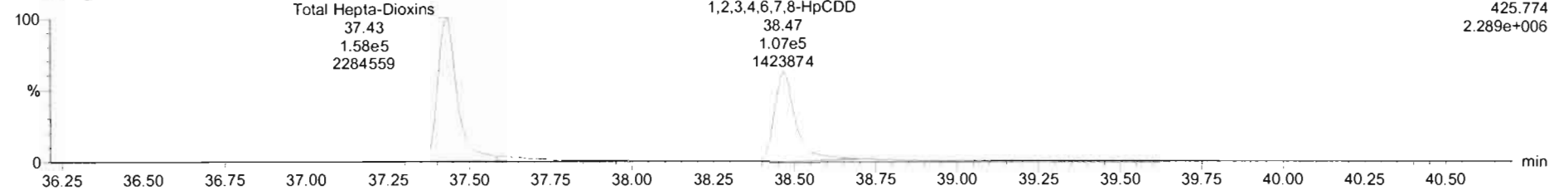
Name: 200129K2_15, Date: 30-Jan-2020, Time: 14:41:26, ID: 1903650-01@10X PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011

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

200129K2_15

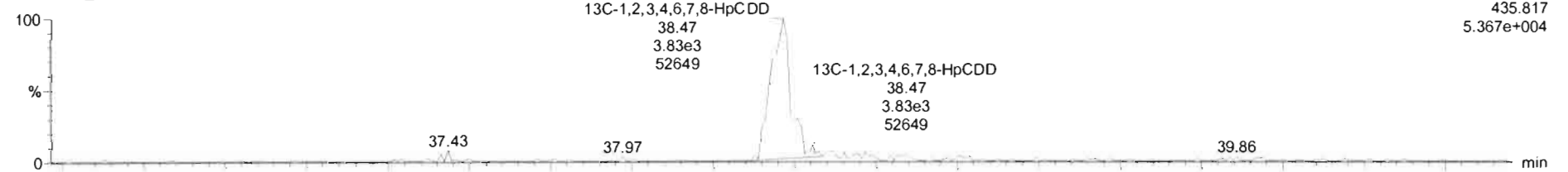


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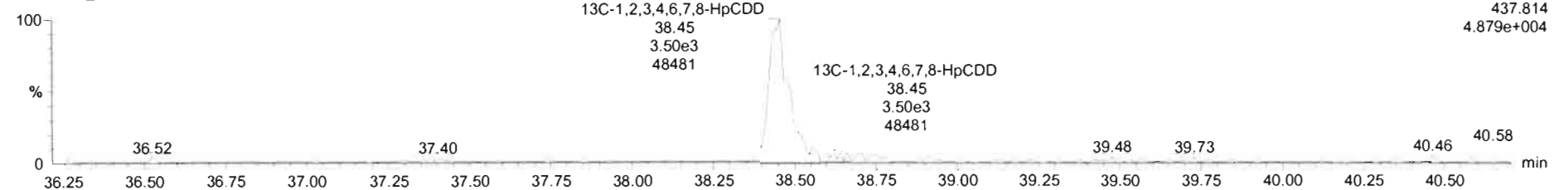


13C-1,2,3,4,6,7,8-HpCDD

200129K2_15

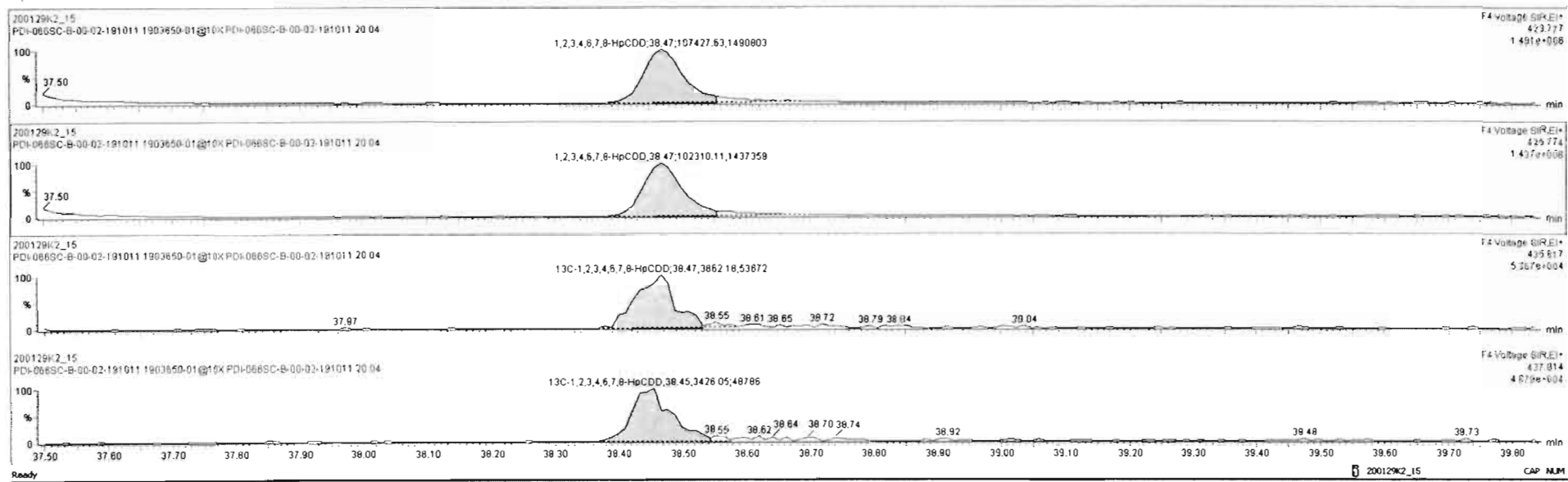


200129K2_15



Name	Resp	RA	n/y	RF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD			NO	0.9431	10.020					2.29	
2 1,2,3,7,8-PeCDD			NO	0.8974	10.020					3.70	
3 1,2,3,4,7,8-HxCDD			NO	1.1680	10.020					6.77	
4 1,2,3,6,7,8-HxCDD	3.96e3	1.24	NO	1.0068	10.020	34.71	1.001	64.4		6.06	64.4
5 1,2,3,7,8,9-HxCDD	8.84e2	1.45	YES	0.9820	10.020	34.99	1.001	20.4		9.09	18.6
6 1,2,3,4,6,7,8-HpCDD	2.10e5	1.05	NO	1.0622	10.020	38.47	1.000	5410		44.8	5410
7 OCDD	1.48e6	0.89	NO	1.0440	10.020	41.69	1.000	48900		54.4	48900
8 2,3,7,8-TCDF	4.31e4	0.79	NO	0.9700	10.020	25.10	1.001	189		2.35	189
9 1,2,3,7,8-PeCDF	3.80e4	1.50	NO	0.9580	10.020	29.94	1.000	267		2.93	267
10 2,3,4,7,8-PeCDF	2.22e4	1.56	NO	1.0074	10.020	30.95	1.001	160		2.96	160

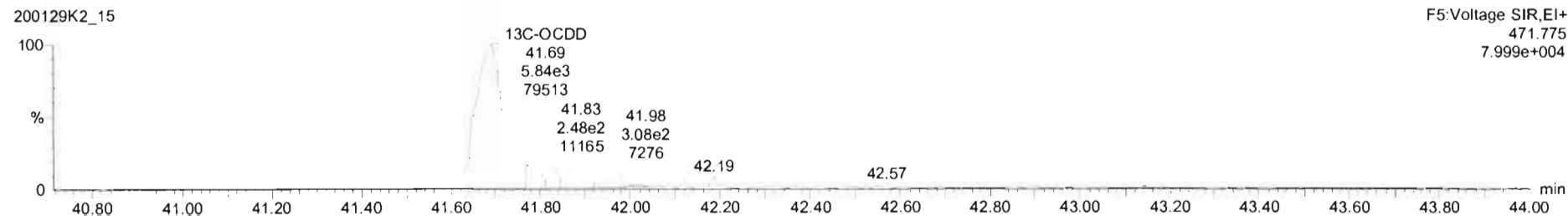
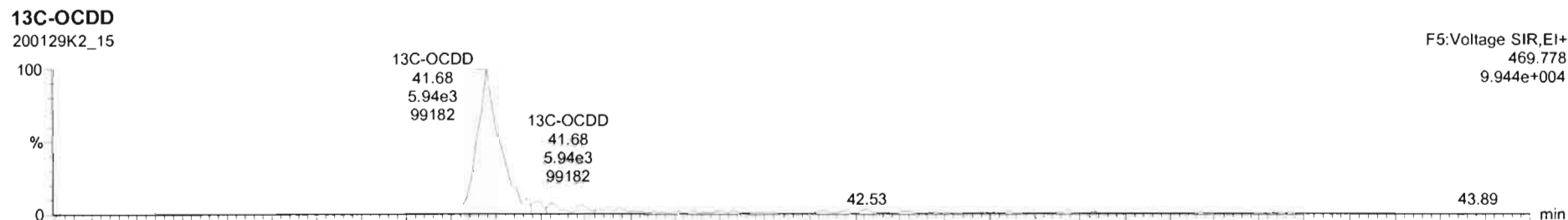
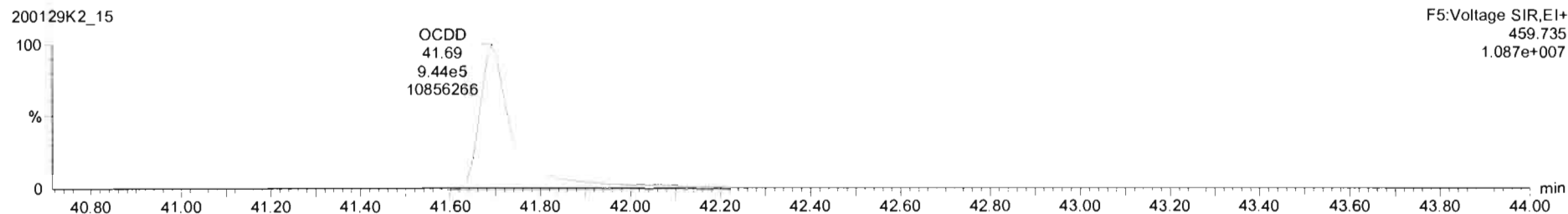
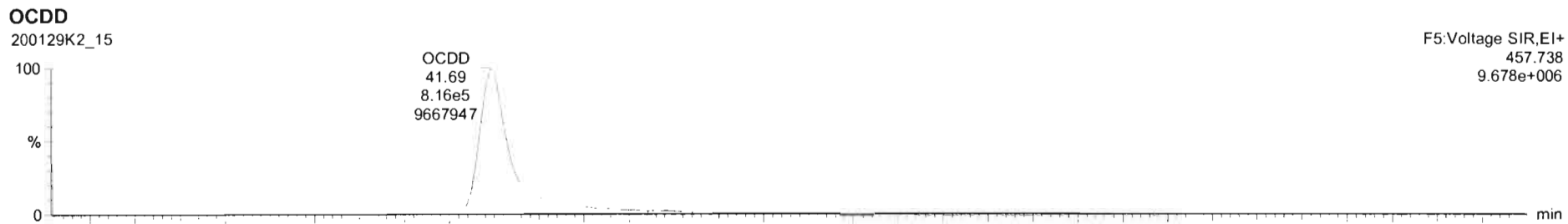
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1							



Dataset: U:\VG11.PRO\Results\200129K2\200129K2-15.qld

Last Altered: Tuesday, February 04, 2020 11:21:08 Pacific Standard Time
Printed: Tuesday, February 04, 2020 11:21:48 Pacific Standard Time

Name: 200129K2_15, Date: 30-Jan-2020, Time: 14:41:26, ID: 1903650-01@10X PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011

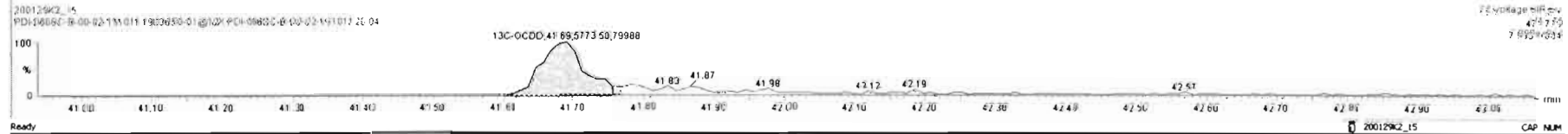


Target1.yms 200129K2_15.qld - [Chromatogram]

200129K2_15-1903650-01@10X.PDI-0666C-B-00-02-191011 20:04 - PDI-0666C-B-00-02-191011

Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD			NO	0.9431	10.020					2.29	
2 1,2,3,7,8-PeCDD			NO	0.8974	10.020					3.70	
3 1,2,3,4,7,8-HxCDD			NO	1.1680	10.020					6.77	
4 1,2,3,6,7,8-HxCDD	3.96e3	1.24	NO	1.0068	10.020	34.71	1.001	64.4		6.06	64.4
5 1,2,3,7,8,9-HxCDD	8.84e2	1.45	YES	0.9620	10.020	34.89	1.001	20.4		9.09	18.6
6 1,2,3,4,6,7,8-HpCDD	2.10e5	1.05	NO	1.0622	10.020	39.47	1.000	5410		44.8	5410
7 OCDD	1.48e6	0.89	NO	1.0440	10.020	41.69	1.000	48900		54.4	48900
8 2,3,7,8-TCDF	4.31e4	0.79	NO	0.9700	10.020	25.10	1.001	189		2.35	189
9 1,2,3,7,8-PeCDF	3.80e4	1.60	NO	0.9580	10.020	29.94	1.000	267		2.93	267
10 2,3,4,7,8-PeCDF	2.22e4	1.56	NO	1.0074	10.020	30.95	1.001	160		2.96	160
11 1,2,3,4,7,8-HxCDF	9.61e4	1.33	NO	1.1493	10.020	33.74	1.001	378		4.61	378

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1							



Ready 200129K2_15 CAP NLM

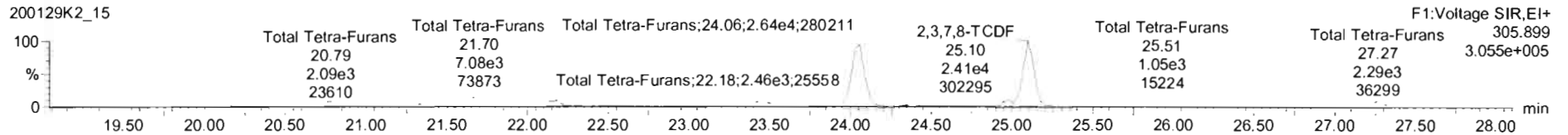
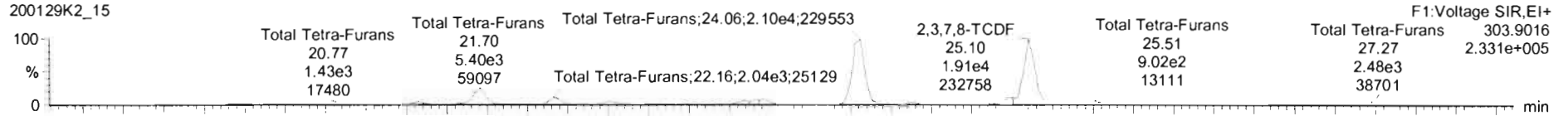
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Last Altered: Tuesday, February 04, 2020 11:21:08 Pacific Standard Time

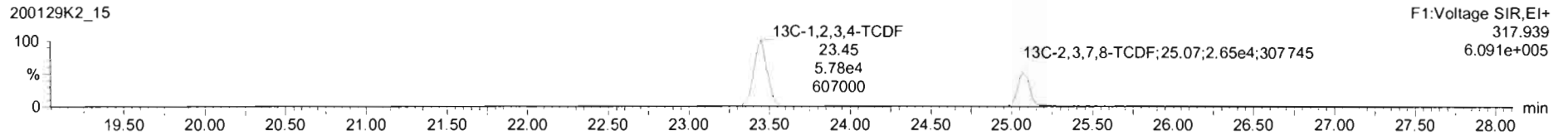
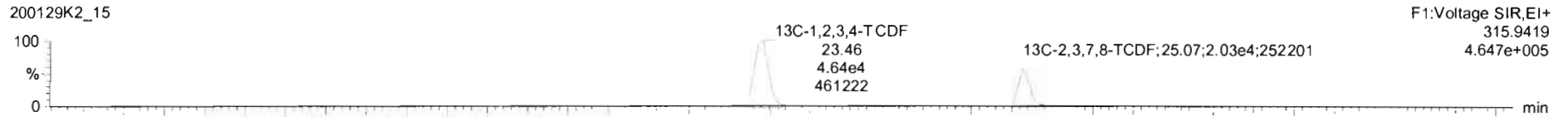
Printed: Tuesday, February 04, 2020 11:21:48 Pacific Standard Time

Name: 200129K2_15, Date: 30-Jan-2020, Time: 14:41:26, ID: 1903650-01@10X PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011

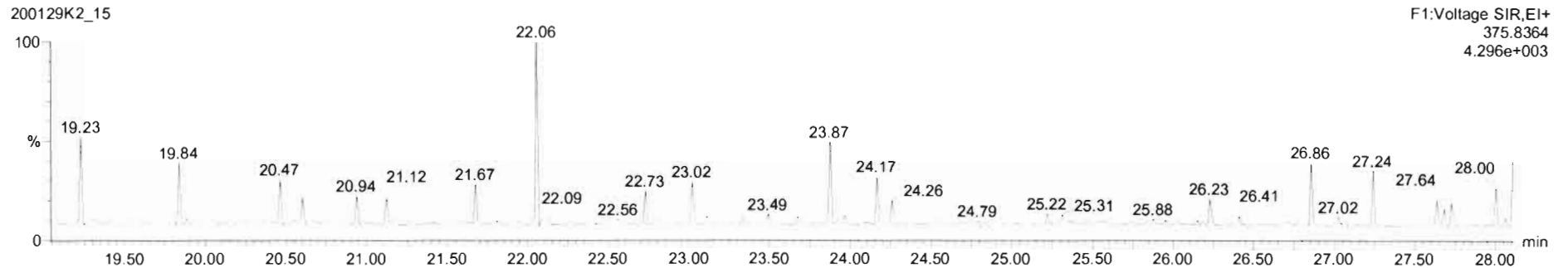
2,3,7,8-TCDF



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



DPE1



Dataset: U:\VG11.PRO\Results\200129K2\200129K2-15.qld

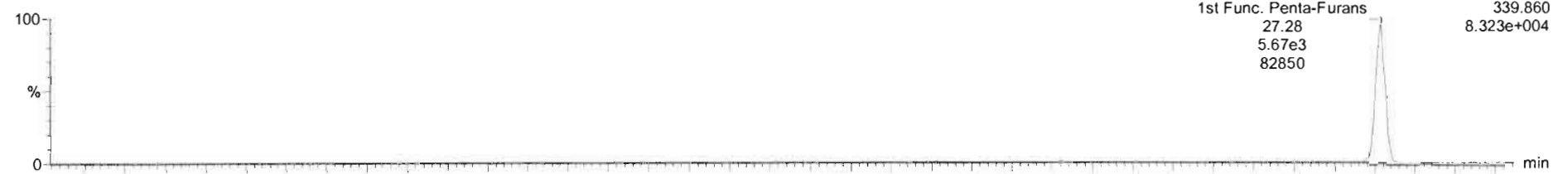
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Printed: Tuesday, February 04, 2020 11:21:48 Pacific Standard Time

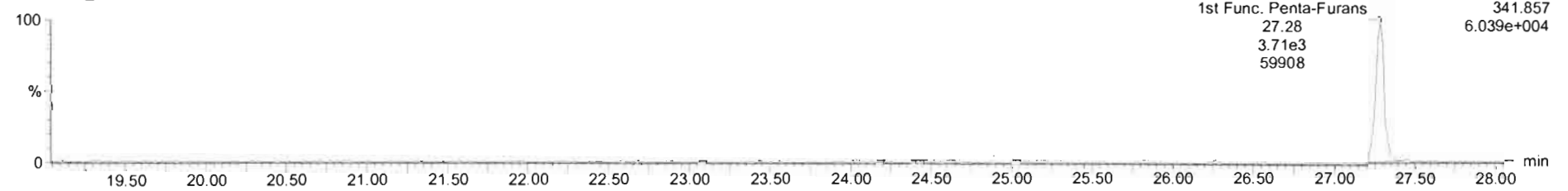
Name: 200129K2_15, Date: 30-Jan-2020, Time: 14:41:26, ID: 1903650-01@10X PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011

1st Func. Penta-Furans

200129K2_15

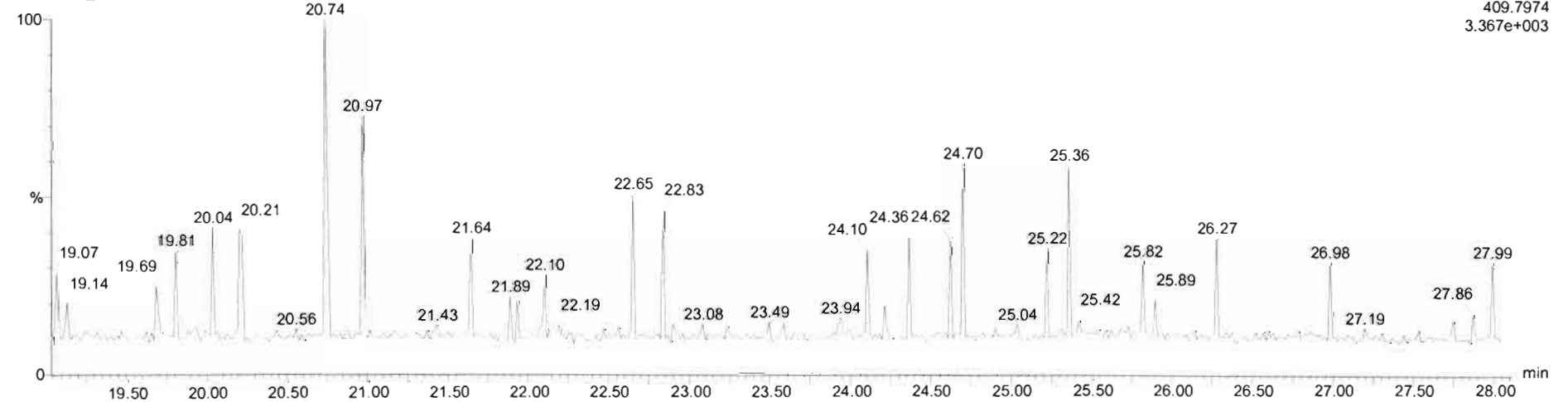


200129K2_15



DPE6

200129K2_15

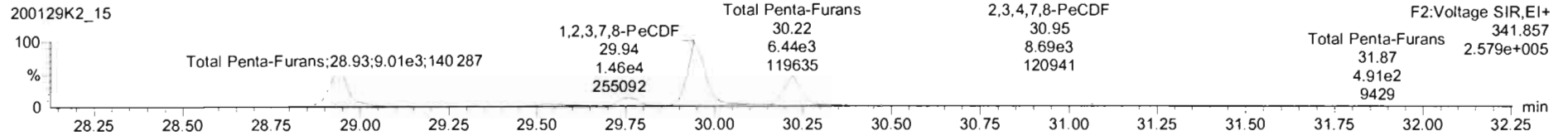
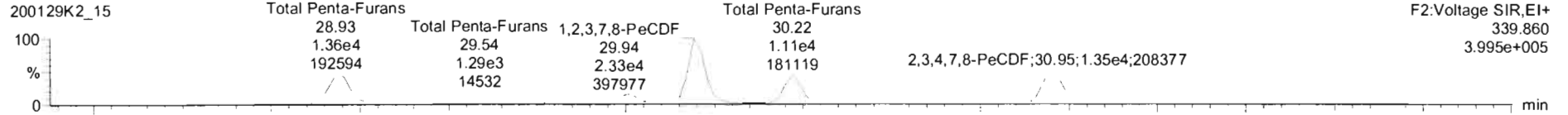


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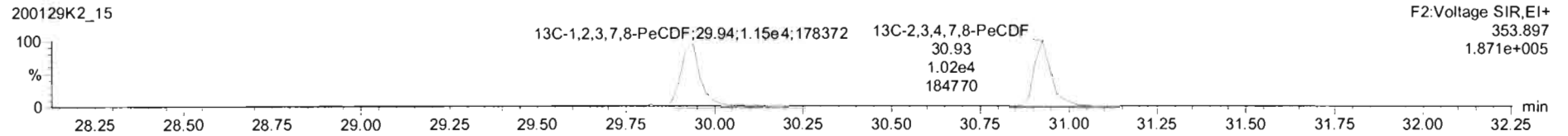
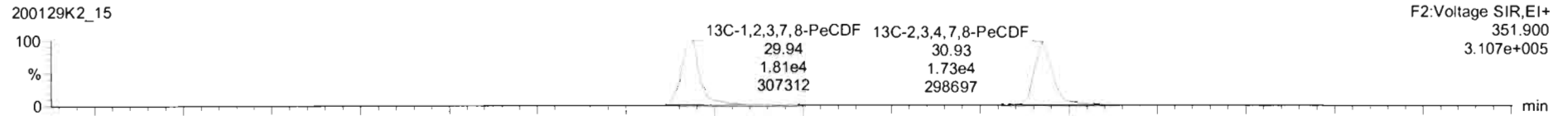
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Printed: Tuesday, February 04, 2020 11:21:48 Pacific Standard Time

Name: 200129K2_15, Date: 30-Jan-2020, Time: 14:41:26, ID: 1903650-01@10X PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011

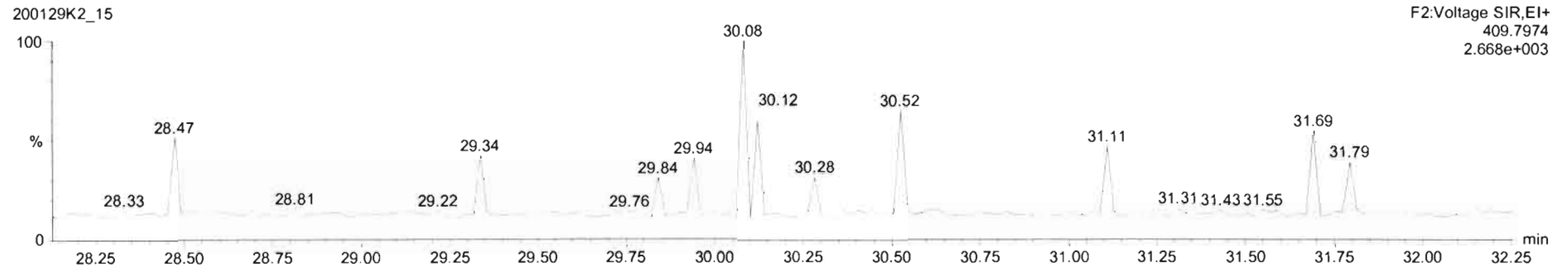
1,2,3,7,8-PeCDF



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



DPE2

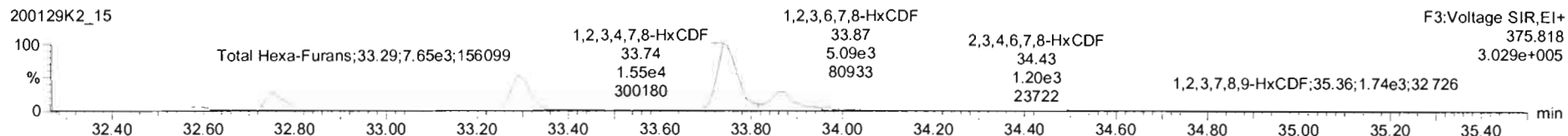
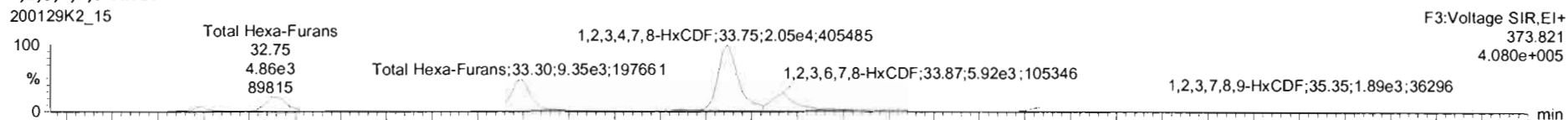


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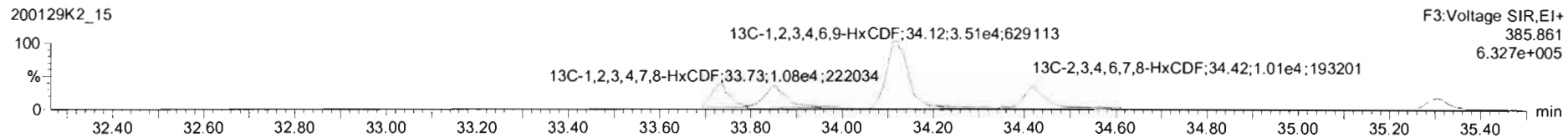
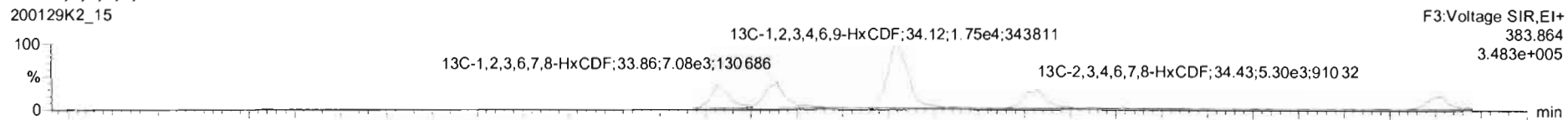
Last Altered: Tuesday, February 04, 2020 11:21:08 Pacific Standard Time
Printed: Tuesday, February 04, 2020 11:21:48 Pacific Standard Time

Name: 200129K2_15, Date: 30-Jan-2020, Time: 14:41:26, ID: 1903650-01@10X PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011

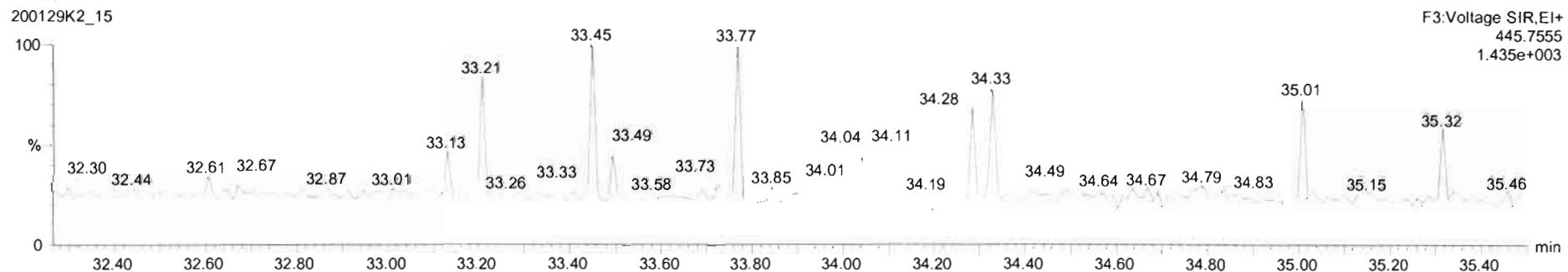
1,2,3,4,7,8-HxCDF



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



DPE3

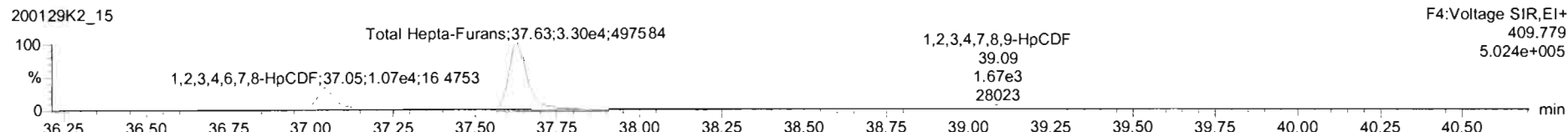
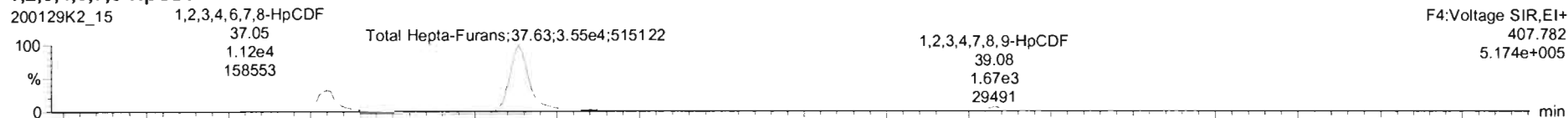


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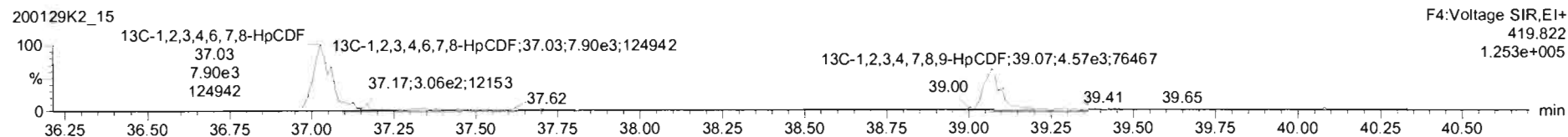
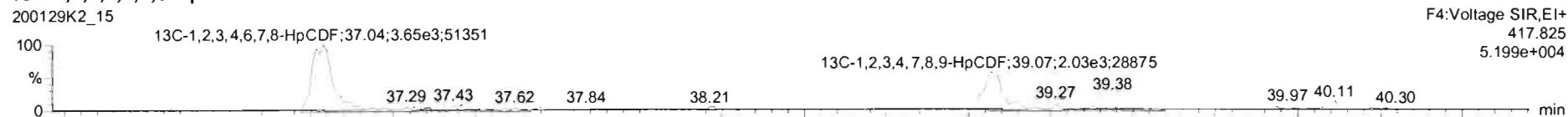
Last Altered: Tuesday, February 04, 2020 11:21:08 Pacific Standard Time
Printed: Tuesday, February 04, 2020 11:21:48 Pacific Standard Time

Name: 200129K2_15, Date: 30-Jan-2020, Time: 14:41:26, ID: 1903650-01@10X PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011

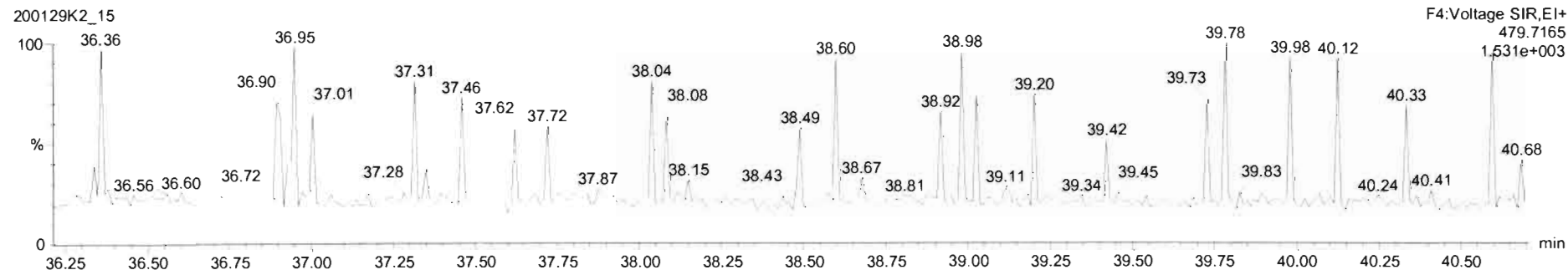
1,2,3,4,6,7,8-HpCDF



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



DPE4



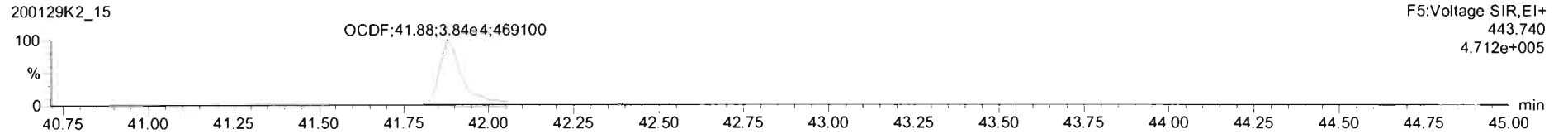
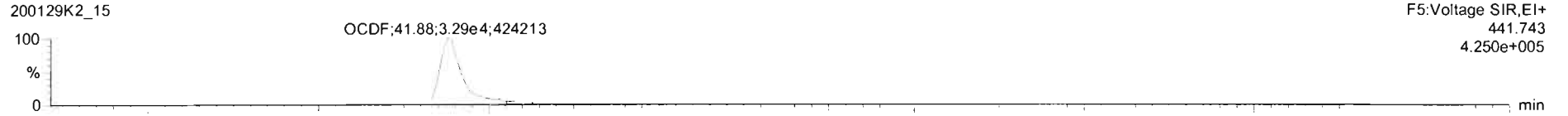
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Last Altered: Tuesday, February 04, 2020 11:21:08 Pacific Standard Time

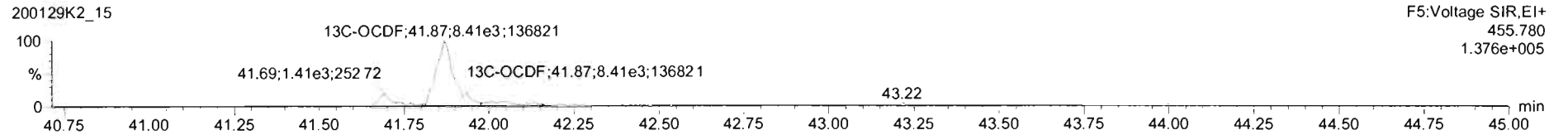
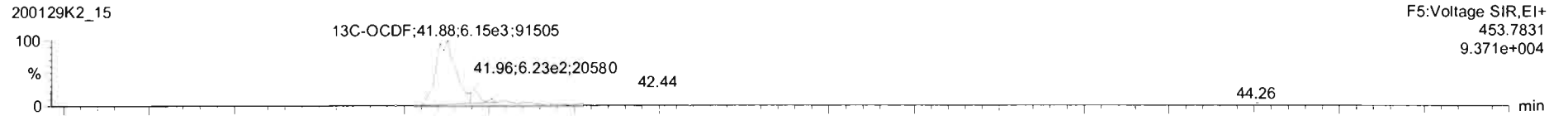
Printed: Tuesday, February 04, 2020 11:21:48 Pacific Standard Time

Name: 200129K2_15, Date: 30-Jan-2020, Time: 14:41:26, ID: 1903650-01@10X PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011

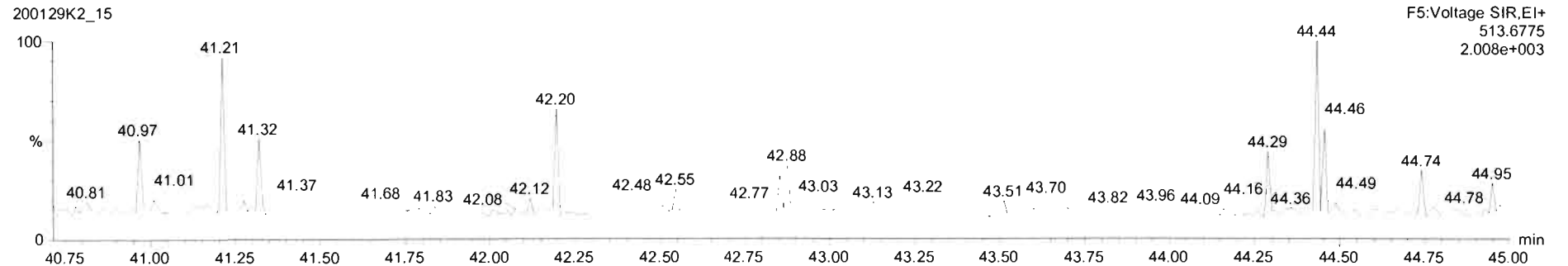
OCDF



13C-OCDF



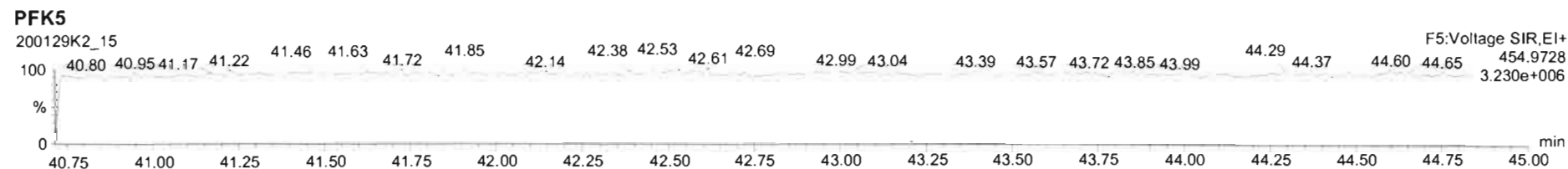
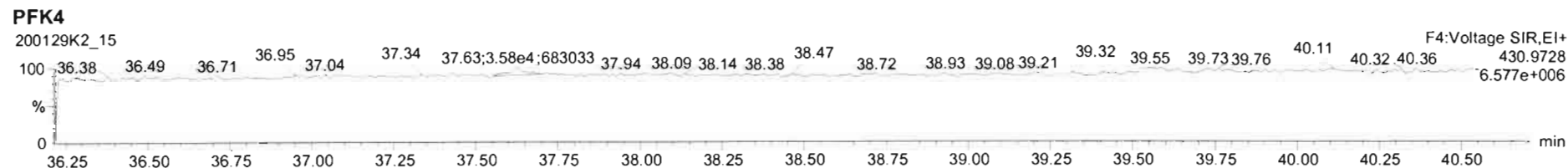
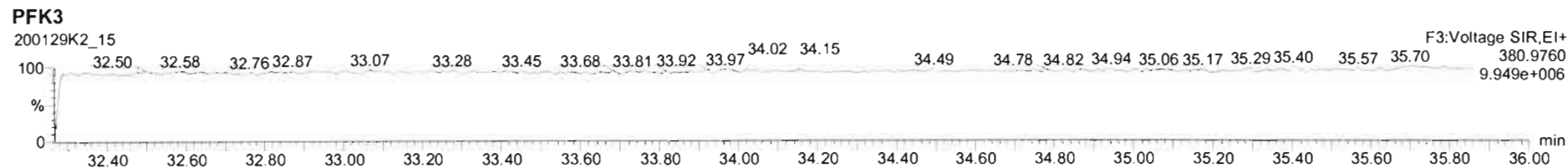
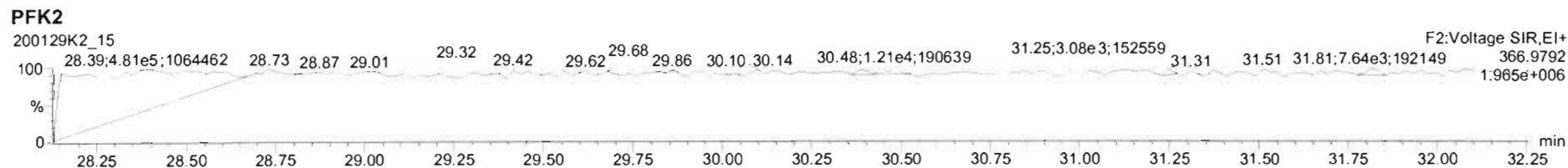
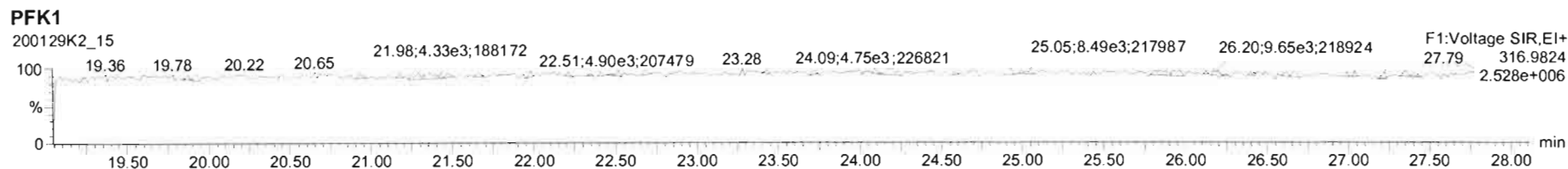
DPE5



Dataset: U:\VG11.PRO\Results\200129K2\200129K2-15.qld

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Printed: Tuesday, February 04, 2020 11:21:48 Pacific Standard Time

Name: 200129K2_15, Date: 30-Jan-2020, Time: 14:41:26, ID: 1903650-01@10X PDI-066SC-B-00-02-191011 20.04, Description: PDI-066SC-B-00-02-191011



Dataset: U:\VG11.PRO\Results\200129K1\200129K1-7.qld

Last Altered: Tuesday, February 11, 2020 10:17:09 Pacific Standard Time

Printed: Tuesday, February 11, 2020 10:35:15 Pacific Standard Time

HN 02/11/2020 HN 02/11/2020
* E see dilution HN 02/11/2020

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

C7 02/11/2020

Name: 200129K1_7, Date: 29-Jan-2020, Time: 20:02:42, ID: 1903650-02 PDI-066SC-B-02-04-191011 18.62, Description: PDI-066SC-B-02-04-191011

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	3360.333	0.751	NO	0.943	10.040	26.12	26.12	1.00	1.00	NO	1.842		0.236	1.842
2	2 1,2,3,7,8-PeCDD	4110.237	0.685	NO	0.897	10.040	31.27	31.27	1.00	1.00	NO	3.446		0.283	3.446
3	3 1,2,3,4,7,8-HxCDD	9962.836	1.332	NO	1.17	10.040	34.60	34.60	1.00	1.00	NO	9.383		1.21	9.383
4	4 1,2,3,6,7,8-HxCDD	92254.437	1.276	NO	1.01	10.040	34.69	34.71	1.00	1.00	NO	83.34		1.27	83.34
5	5 1,2,3,7,8,9-HxCDD	25865.129	1.264	NO	0.982	10.040	35.00	34.98	1.00	1.00	NO	28.81		1.42	28.81
6	6 1,2,3,4,6,7,8-HpCDD	5515631.0...	1.030	NO	1.06	10.040	38.47	38.47	1.00	1.00	NO	7671		10.8	7671
7	7 OCDD	34922552....	0.897	NO	1.04	10.040	41.71	41.72	1.00	1.00	NO	50630		10.3	50630
8	8 2,3,7,8-TCDF	154107.593	0.777	NO	0.970	10.040	25.11	25.11	1.00	1.00	NO	68.18	(64, 3)	0.494	68.18
9	9 1,2,3,7,8-PeCDF	202643.727	1.602	NO	0.958	10.040	29.96	29.96	1.00	1.00	NO	94.43		0.419	94.43
10	10 2,3,4,7,8-PeCDF	118466.723	1.569	NO	1.01	10.040	30.96	30.95	1.00	1.00	NO	64.49		0.492	64.49
11	11 1,2,3,4,7,8-HxCDF	215955.359	1.232	NO	1.16	10.040	33.74	33.75	1.00	1.00	NO	130.5		0.907	130.5
12	12 1,2,3,6,7,8-HxCDF	63449.119	1.209	NO	1.14	10.040	33.87	33.87	1.00	1.00	NO	37.34		0.946	37.34
13	13 2,3,4,6,7,8-HxCDF	21614.983	1.310	NO	1.21	10.040	34.45	34.44	1.00	1.00	NO	12.81		0.960	12.81
14	14 1,2,3,7,8,9-HxCDF	10467.804	1.204	NO	1.13	10.040	35.31	35.35	1.00	1.00	NO	8.700		1.43	8.700
15	15 1,2,3,4,6,7,8-HpCDF	300719.797	1.040	NO	1.19	10.040	37.08	37.05	1.00	1.00	NO	270.5		1.62	270.5
16	16 1,2,3,4,7,8,9-HpCDF	28773.450	1.023	NO	1.39	10.040	39.07	39.09	1.00	1.00	NO	36.15		2.16	36.15
17	17 OCDF	1323622.2...	0.897	NO	1.06	10.040	41.91	41.92	1.00	1.00	NO	1595		2.29	1595
18	18 13C-2,3,7,8-TCDD	385256.500	0.781	NO	1.17	10.040	26.08	26.09	1.03	1.03	NO	94.47	47.4	0.394	
19	19 13C-1,2,3,7,8-PeCDD	264755.149	0.621	NO	0.773	10.040	31.27	31.25	1.23	1.23	NO	98.53	49.5	0.335	
20	20 13C-1,2,3,4,7,8-HxCDD	181084.618	1.229	NO	0.600	10.040	34.59	34.59	1.01	1.01	NO	86.38	43.4	0.608	
21	21 13C-1,2,3,6,7,8-HxCDD	219013.000	1.206	NO	0.763	10.040	34.69	34.69	1.02	1.02	NO	82.12	41.2	0.478	
22	22 13C-1,2,3,7,8,9-HxCDD	182118.726	1.185	NO	0.676	10.040	34.96	34.97	1.02	1.02	NO	77.09	38.7	0.540	
23	23 13C-1,2,3,4,6,7,8-HpCDD	134841.734	1.093	NO	0.455	10.040	38.46	38.46	1.13	1.13	NO	84.80	42.6	0.751	
24	24 13C-OCDD	263226.250	0.896	NO	0.371	10.040	41.68	41.71	1.22	1.22	NO	202.8	50.9	1.07	
25	25 13C-2,3,7,8-TCDF	464194.813	0.775	NO	1.07	10.040	25.10	25.08	0.99	0.99	NO	84.77	42.6	0.567	
26	26 13C-1,2,3,7,8-PeCDF	446222.969	1.561	NO	0.765	10.040	29.95	29.94	1.18	1.18	NO	113.9	57.2	0.837	
27	27 13C-2,3,4,7,8-PeCDF	363227.844	1.566	NO	0.726	10.040	30.96	30.93	1.22	1.22	NO	97.67	49.0	0.882	
28	28 13C-1,2,3,4,7,8-HxCDF	283337.929	0.523	NO	0.965	10.040	33.73	33.74	0.99	0.99	NO	84.02	42.2	0.560	
29	29 13C-1,2,3,6,7,8-HxCDF	296081.360	0.522	NO	1.09	10.040	33.85	33.86	0.99	0.99	NO	77.45	38.9	0.494	
30	30 13C-2,3,4,6,7,8-HxCDF	277004.641	0.495	NO	0.984	10.040	34.42	34.42	1.01	1.01	NO	80.58	40.5	0.549	
31	31 13C-1,2,3,7,8,9-HxCDF	211188.703	0.525	NO	0.790	10.040	35.32	35.31	1.04	1.03	NO	76.45	38.4	0.683	

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-7.qld

Last Altered: Tuesday, February 11, 2020 10:17:09 Pacific Standard Time

Printed: Tuesday, February 11, 2020 10:35:15 Pacific Standard Time

Name: 200129K1_7, Date: 29-Jan-2020, Time: 20:02:42, ID: 1903650-02 PDI-066SC-B-02-04-191011 18.62, Description: PDI-066SC-B-02-04-191011

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	186212.856	0.427	NO	0.734	10.040	37.03	37.04	1.09	1.09	NO	72.64	36.5	0.654	
33	33 13C-1,2,3,4,7,8,9-HpCDF	114106.160	0.434	NO	0.459	10.040	39.06	39.07	1.14	1.15	NO	71.17	35.7	1.05	
34	34 13C-OCDF	311517.641	0.827	NO	0.500	10.040	41.92	41.91	1.23	1.23	NO	178.2	44.7	0.708	
35	35 37Cl-2,3,7,8-TCDD	138479.625			1.12	10.040	26.10	26.12	1.03	1.03	NO	35.44	44.5	0.167	
36	36 13C-1,2,3,4-TCDD	692337.938	0.811	NO	1.00	10.040	25.36	25.39	1.00	1.00	NO	199.2	100	0.462	
37	37 13C-1,2,3,4-TCDF	1020220.2...	0.778	NO	1.00	10.040	23.43	23.48	1.00	1.00	NO	199.2	100	0.606	
38	38 13C-1,2,3,4,6,9-HxCDF	696204.515	0.512	NO	1.00	10.040	34.10	34.12	1.00	1.00	NO	199.2	100	0.540	
39	39 Total Tetra-Dioxins				0.943	10.040	24.62		0.00		NO	46.46		0.236	47.90
40	40 Total Penta-Dioxins				0.897	10.040	29.96		0.00		NO	105.3		0.283	107.7
41	41 Total Hexa-Dioxins				1.01	10.040	33.63		0.00		NO	1596		1.35	1596
42	42 Total Hepta-Dioxins				1.06	10.040	38.80		0.00		NO	19570		10.8	19570
43	43 Total Tetra-Furans				0.970	10.040	23.61		0.00		NO	178.9		0.494	206.5
44	44 1st Func. Penta-Furans				0.958	10.040	27.04		0.00		NO	73.42		0.104	73.42
45	45 Total Penta-Furans				0.958	10.040	29.27		0.00		NO	310.3		0.463	310.3
46	46 Total Hexa-Furans				1.21	10.040	33.56		0.00		NO	462.0		0.992	463.5
47	47 Total Hepta-Furans				1.19	10.040	37.83		0.00		NO	1666		1.96	1666

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-7.qld

Last Altered: Tuesday, February 11, 2020 10:17:09 Pacific Standard Time
 Printed: Tuesday, February 11, 2020 10:36:12 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19
 Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_7, Date: 29-Jan-2020, Time: 20:02:42, ID: 1903650-02 PDI-066SC-B-02-04-191011 18.62, Description: PDI-066SC-B-02-04-191011

Tetra-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	1 2,3,7,8-TCDD	3.36e3	3.85e5	0.751	NO	26.12	26.12	1.842	1.842
2	39 Total Tetra-Dioxins	2.74e3	3.85e5	0.761	NO	24.62	25.94	1.503	1.503
3	39 Total Tetra-Dioxins	5.85e3	3.85e5	0.759	NO	24.62	25.82	3.209	3.209
4	39 Total Tetra-Dioxins	1.65e3	3.85e5	0.734	NO	24.62	25.53	0.9069	0.9069
5	39 Total Tetra-Dioxins	6.14e3	3.85e5	0.808	NO	24.62	25.34	3.364	3.364
6	39 Total Tetra-Dioxins	6.60e3	3.85e5	0.698	NO	24.62	24.94	3.618	3.618
7	39 Total Tetra-Dioxins	3.27e3	3.85e5	0.729	NO	24.62	24.75	1.792	1.792
8	39 Total Tetra-Dioxins	3.87e3	3.85e5	0.696	NO	24.62	24.45	2.120	2.120
9	39 Total Tetra-Dioxins	7.49e3	3.85e5	0.762	NO	24.62	24.23	4.107	4.107
10	39 Total Tetra-Dioxins	9.91e3	3.85e5	0.822	NO	24.62	24.03	5.431	5.431
11	39 Total Tetra-Dioxins	2.56e3	3.85e5	0.770	NO	24.62	23.69	1.406	1.406
12	39 Total Tetra-Dioxins	6.31e3	3.85e5	0.802	NO	24.62	22.71	3.457	3.457
13	39 Total Tetra-Dioxins	4.95e3	3.85e5	0.808	NO	24.62	22.19	2.715	2.715
14	39 Total Tetra-Dioxins	1.25e4	3.85e5	0.818	NO	24.62	21.78	6.841	6.841
15	39 Total Tetra-Dioxins	0.00e0	3.85e5	0.898	YES	24.62	27.13	0.0000	1.434
16	39 Total Tetra-Dioxins	1.79e3	3.85e5	0.681	NO	24.62	26.60	0.9808	0.9808
17	39 Total Tetra-Dioxins	5.78e3	3.85e5	0.695	NO	24.62	26.47	3.171	3.171

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-7.qld

Last Altered: Tuesday, February 11, 2020 10:17:09 Pacific Standard Time
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Name: 200129K1_7, Date: 29-Jan-2020, Time: 20:02:42, ID: 1903650-02 PDI-066SC-B-02-04-191011 18.62, Description: PDI-066SC-B-02-04-191011

Penta-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	2 1,2,3,7,8-PeCDD	4.11e3	2.65e5	0.685	NO	31.27	31.27	3.446	3.446
2	40 Total Penta-Dioxins	0.00e0	2.65e5	0.531	YES	29.96	30.83	0.0000	2.411
3	40 Total Penta-Dioxins	2.74e4	2.65e5	0.648	NO	29.96	30.48	22.97	22.97
4	40 Total Penta-Dioxins	7.81e3	2.65e5	0.664	NO	29.96	30.26	6.551	6.551
5	40 Total Penta-Dioxins	9.03e3	2.65e5	0.621	NO	29.96	30.18	7.571	7.571
6	40 Total Penta-Dioxins	1.51e4	2.65e5	0.637	NO	29.96	30.00	12.62	12.62
7	40 Total Penta-Dioxins	1.77e4	2.65e5	0.564	NO	29.96	29.50	14.80	14.80
8	40 Total Penta-Dioxins	3.60e4	2.65e5	0.629	NO	29.96	29.01	30.16	30.16
9	40 Total Penta-Dioxins	3.75e3	2.65e5	0.617	NO	29.96	31.65	3.142	3.142
10	40 Total Penta-Dioxins	4.76e3	2.65e5	0.660	NO	29.96	31.35	3.993	3.993

Hexa-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	41 Total Hexa-Dioxins	7.40e5	0.00e0	1.269	NO	33.63	33.14	754.7	754.7
2	5 1,2,3,7,8,9-HxCDD	2.59e4	1.82e5	1.264	NO	35.00	34.98	28.81	28.81
3	41 Total Hexa-Dioxins	3.01e4	0.00e0	1.236	NO	33.63	34.90	30.65	30.65
4	4 1,2,3,6,7,8-HxCDD	9.23e4	2.19e5	1.276	NO	34.69	34.71	83.34	83.34
5	3 1,2,3,4,7,8-HxCDD	9.96e3	1.81e5	1.332	NO	34.60	34.60	9.383	9.383
6	41 Total Hexa-Dioxins	5.50e4	0.00e0	1.291	NO	33.63	34.04	56.06	56.06
7	41 Total Hexa-Dioxins	5.58e5	0.00e0	1.268	NO	33.63	33.94	568.8	568.8
8	41 Total Hexa-Dioxins	6.30e4	0.00e0	1.232	NO	33.63	33.69	64.21	64.21

Hepta-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	6 1,2,3,4,6,7,8-HpCDD	5.52e6	1.35e5	1.030	NO	38.47	38.47	7671	7671
2	42 Total Hepta-Dioxins	8.56e6	1.35e5	1.059	NO	38.80	37.43	11900	11900

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-7.qld

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Tetra-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	43 Total Tetra-Furans	3.57e3	4.64e5	0.834	NO	23.61	24.41	1.578	1.578
2	43 Total Tetra-Furans	1.31e5	4.64e5	0.795	NO	23.61	24.12	58.01	58.01
3	43 Total Tetra-Furans	0.00e0	4.64e5	0.767	NO	23.61	23.39	0.0000	8.819
4	43 Total Tetra-Furans	0.00e0	4.64e5	0.806	NO	23.61	23.35	0.0000	6.005
5	43 Total Tetra-Furans	0.00e0	4.64e5	1.099	YES	23.61	23.17	0.0000	1.022
6	43 Total Tetra-Furans	3.29e3	4.64e5	0.776	NO	23.61	22.64	1.454	1.454
7	43 Total Tetra-Furans	1.34e3	4.64e5	0.769	NO	23.61	22.36	0.5936	0.5936
8	43 Total Tetra-Furans	1.89e4	4.64e5	0.825	NO	23.61	22.21	8.359	8.359
9	43 Total Tetra-Furans	2.18e4	4.64e5	0.783	NO	23.61	21.72	9.634	9.634
10	43 Total Tetra-Furans	0.00e0	4.64e5	0.745	NO	23.61	21.31	0.0000	3.602
11	43 Total Tetra-Furans	3.83e4	4.64e5	0.751	NO	23.61	20.80	16.93	16.93
12	43 Total Tetra-Furans	6.53e3	4.64e5	0.827	NO	23.61	20.20	2.888	2.888
13	43 Total Tetra-Furans	1.60e3	4.64e5	0.811	NO	23.61	19.70	0.7085	0.7085
14	43 Total Tetra-Furans	0.00e0	4.64e5	0.919	YES	23.61	27.28	0.0000	8.119
15	43 Total Tetra-Furans	9.00e3	4.64e5	0.855	NO	23.61	25.54	3.981	3.981
16	8 2,3,7,8-TCDF	1.54e5	4.64e5	0.777	NO	25.11	25.11	68.18	68.18
17	43 Total Tetra-Furans	1.27e4	4.64e5	0.795	NO	23.61	25.01	5.622	5.622
18	43 Total Tetra-Furans	2.16e3	4.64e5	0.791	NO	23.61	24.85	0.9566	0.9566

Penta-Furans function 1

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	44 1st Func. Penta-Fura...	1.43e5	0.00e0	1.627	NO	27.04	27.31	73.42	73.42

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-7.qld

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Name: 200129K1_7, Date: 29-Jan-2020, Time: 20:02:42, ID: 1903650-02 PDI-066SC-B-02-04-191011 18.62, Description: PDI-066SC-B-02-04-191011

Penta-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	45 Total Penta-Furans	5.65e3	0.00e0	1.643	NO	29.27	31.89	2.903	2.903
2	10 2,3,4,7,8-PeCDF	1.18e5	3.63e5	1.569	NO	30.96	30.95	64.49	64.49
3	45 Total Penta-Furans	7.45e4	0.00e0	1.463	NO	29.27	30.22	38.26	38.26
4	9 1,2,3,7,8-PeCDF	2.03e5	4.46e5	1.602	NO	29.96	29.96	94.43	94.43
5	45 Total Penta-Furans	2.62e4	0.00e0	1.694	NO	29.27	29.78	13.46	13.46
6	45 Total Penta-Furans	2.78e4	0.00e0	1.590	NO	29.27	29.56	14.30	14.30
7	45 Total Penta-Furans	1.53e5	0.00e0	1.584	NO	29.27	28.95	78.72	78.72
8	45 Total Penta-Furans	7.27e3	0.00e0	1.563	NO	29.27	28.79	3.734	3.734

Hexa-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	46 Total Hexa-Furans	2.27e3	0.00e0	1.099	NO	33.56	33.11	1.395	1.395
2	46 Total Hexa-Furans	8.84e4	0.00e0	1.237	NO	33.56	32.76	54.40	54.40
3	46 Total Hexa-Furans	2.49e4	0.00e0	1.301	NO	33.56	32.60	15.29	15.29
4	14 1,2,3,7,8,9-HxCDF	1.05e4	2.11e5	1.204	NO	35.31	35.35	8.700	8.700
5	13 2,3,4,6,7,8-HxCDF	2.16e4	2.77e5	1.310	NO	34.45	34.44	12.81	12.81
6	46 Total Hexa-Furans	7.62e2	0.00e0	1.300	NO	33.56	34.25	0.4689	0.4689
7	46 Total Hexa-Furans	3.89e3	0.00e0	1.294	NO	33.56	34.14	2.395	2.395
8	12 1,2,3,6,7,8-HxCDF	6.34e4	2.96e5	1.209	NO	33.87	33.87	37.34	37.34
9	11 1,2,3,4,7,8-HxCDF	2.16e5	2.83e5	1.232	NO	33.74	33.75	130.5	130.5
10	46 Total Hexa-Furans	0.00e0	0.00e0	1.035	YES	33.56	33.65	0.0000	1.557
11	46 Total Hexa-Furans	3.06e5	0.00e0	1.249	NO	33.56	33.30	188.3	188.3
12	46 Total Hexa-Furans	1.67e4	0.00e0	1.349	NO	33.56	35.36	10.28	10.28

Hepta-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	47 Total Hepta-Furans	1.21e6	0.00e0	1.047	NO	37.83	37.63	1350	1350
2	47 Total Hepta-Furans	8.01e3	0.00e0	0.913	NO	37.83	37.43	8.941	8.941
3	15 1,2,3,4,6,7,8-HpCDF	3.01e5	1.86e5	1.040	NO	37.08	37.05	270.5	270.5
4	16 1,2,3,4,7,8,9-HpCDF	2.88e4	1.14e5	1.023	NO	39.07	39.09	36.15	36.15

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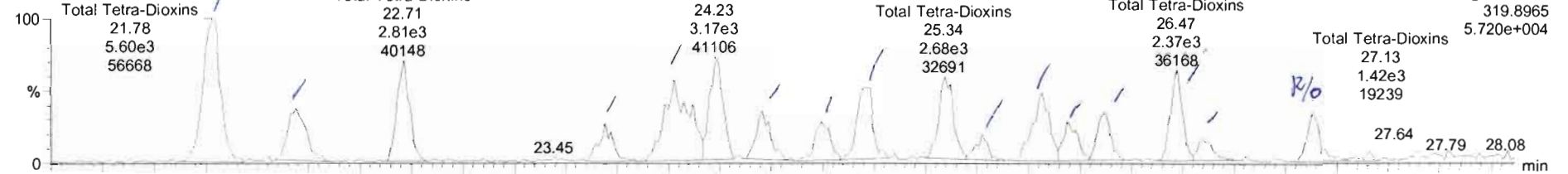
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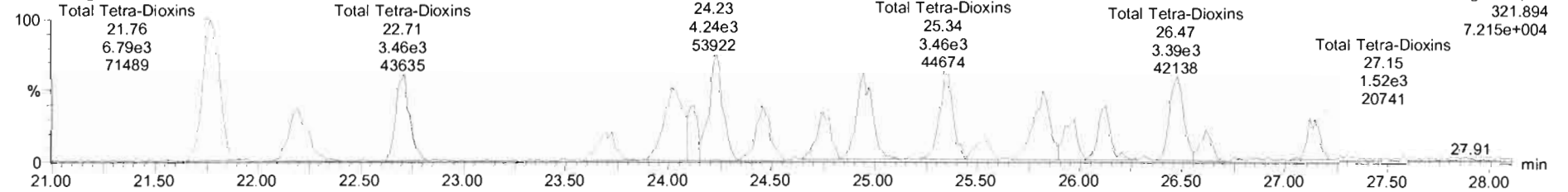
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2,3,7,8-TCDD

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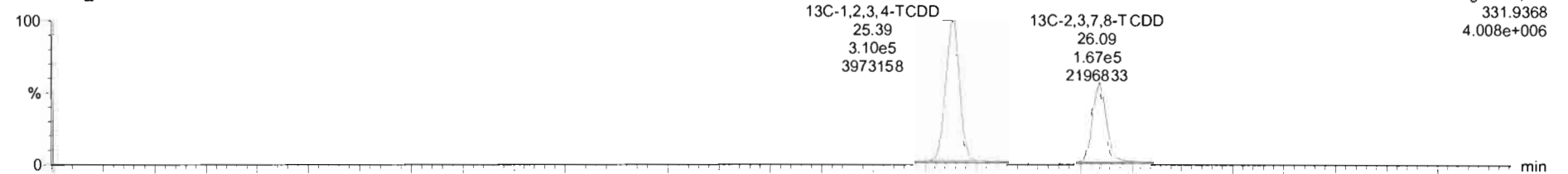


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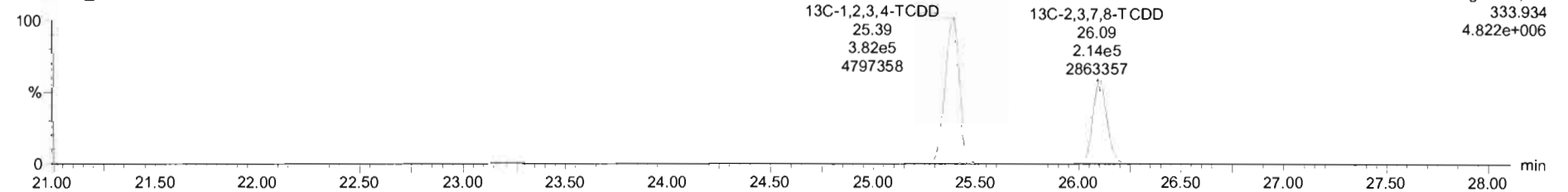


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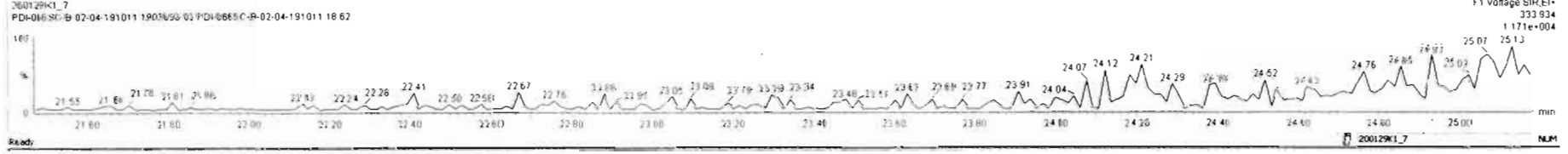
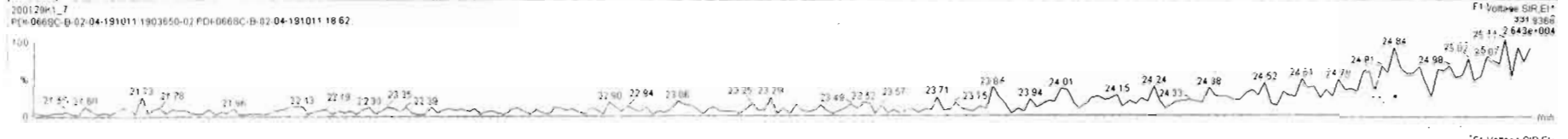
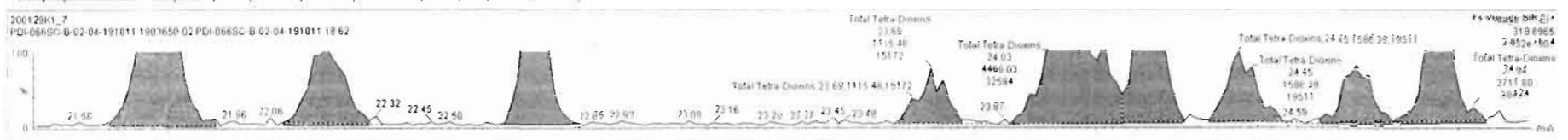
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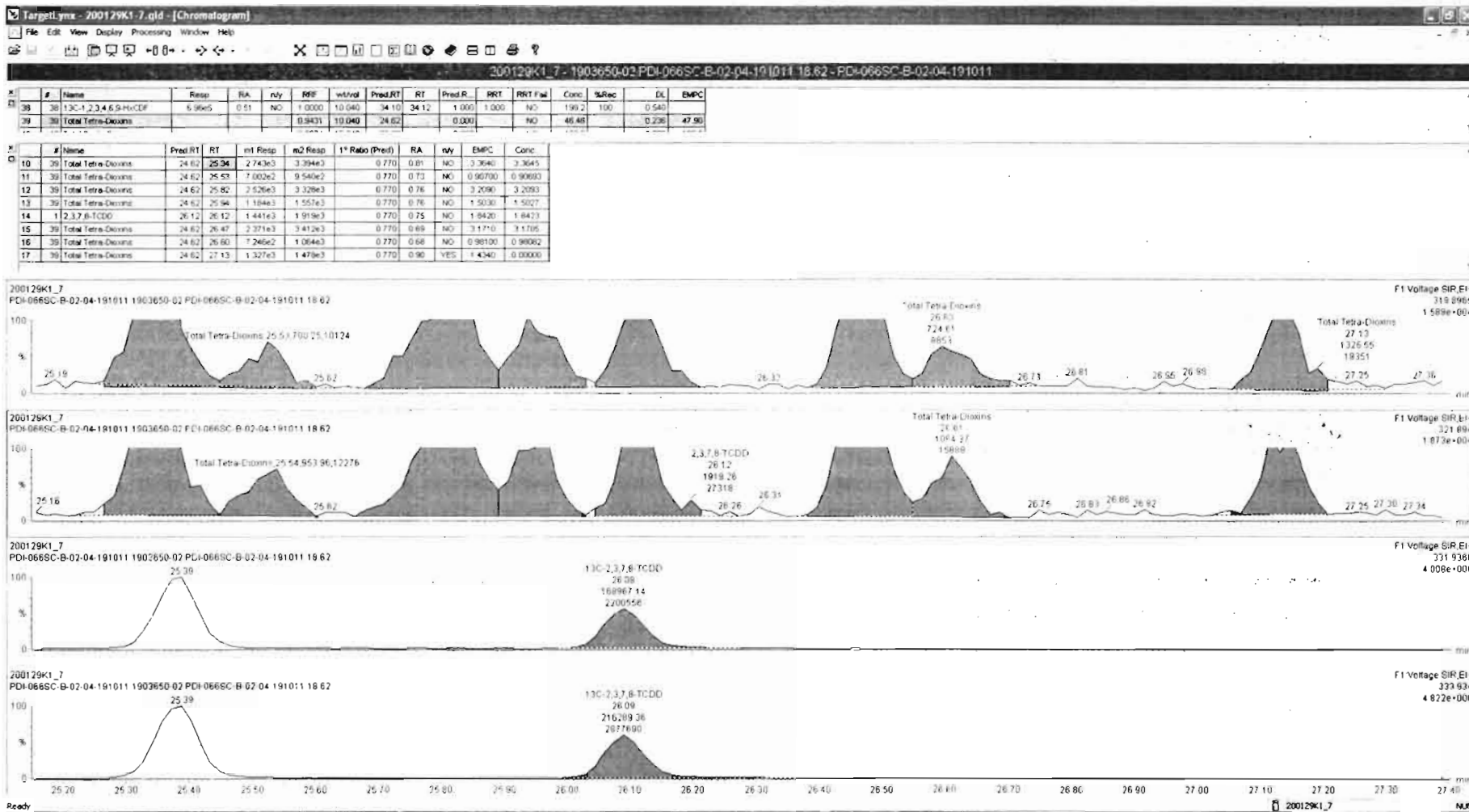


200129K1_7 - 1903650-02 PDI-066SC-B-02-04-191011 18:02 - PDI-066SC-B-02-04-191011

#	Name	Resp	RA	nly	RFI	ndVid	Pred RT	RT	Pred R	RRT	RRT Fnd	Conc	%Rec	DL	EMPC
38	39	13C-1,2,3,4,6,9-triCDF	5.96e5	0.51	NO	1.0000	10.040	34.10	34.12	1.000	1.000	NO	199.2	0.540	
39	39	Total Tetra-Dioxins				0.9431	10.040	24.62		0.000		NO	46.48	0.296	47.20

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc	
1	39	Total Tetra-Dioxins	24.62	21.76	5.015e3	0.603e3	0.770	0.02	NO	6.9410	6.8412
2	39	Total Tetra-Dioxins	24.62	22.15	2.213e3	2.739e3	0.770	0.01	NO	2.7150	2.7151
3	39	Total Tetra-Dioxins	24.62	22.71	2.805e3	3.499e3	0.770	0.00	NO	3.4570	3.4568
4	39	Total Tetra-Dioxins	24.62	23.69	1.115e3	1.449e3	0.770	0.77	NO	1.4060	1.4055
5	39	Total Tetra-Dioxins	24.62	24.03	4.469e3	5.437e3	0.770	0.02	NO	5.4310	5.4308
6	39	Total Tetra-Dioxins	24.62	24.23	3.240e3	4.251e3	0.770	0.76	NO	4.1070	4.1068
7	39	Total Tetra-Dioxins	24.62	24.45	1.566e3	2.201e3	0.770	0.70	NO	2.1200	2.1202
8	39	Total Tetra-Dioxins	24.62	24.75	1.373e3	1.890e3	0.770	0.73	NO	1.7920	1.7919
9	39	Total Tetra-Dioxins	24.62	24.94	2.712e3	3.887e3	0.770	0.70	NO	3.6180	3.6178





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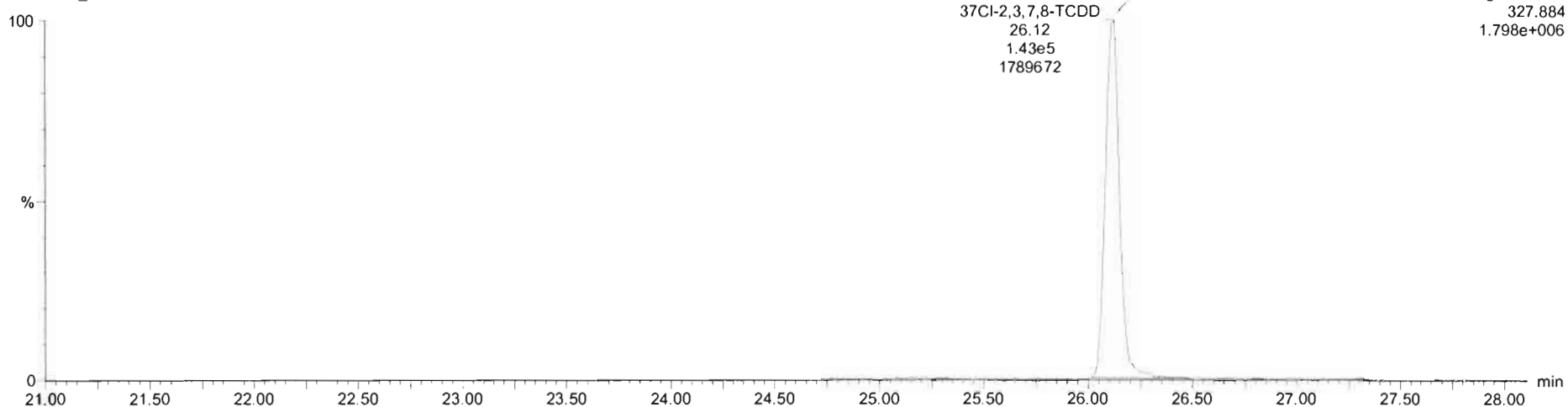
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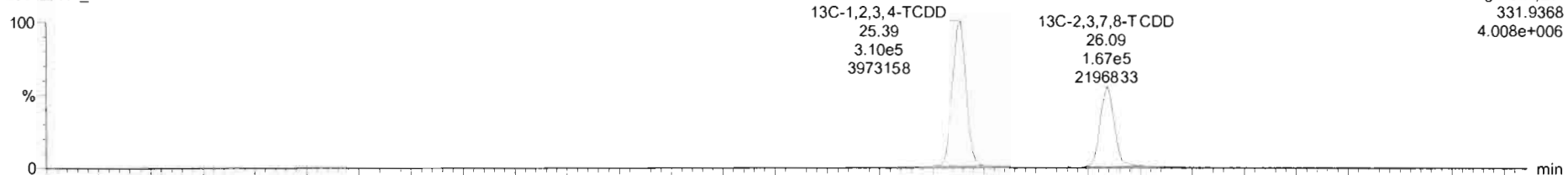
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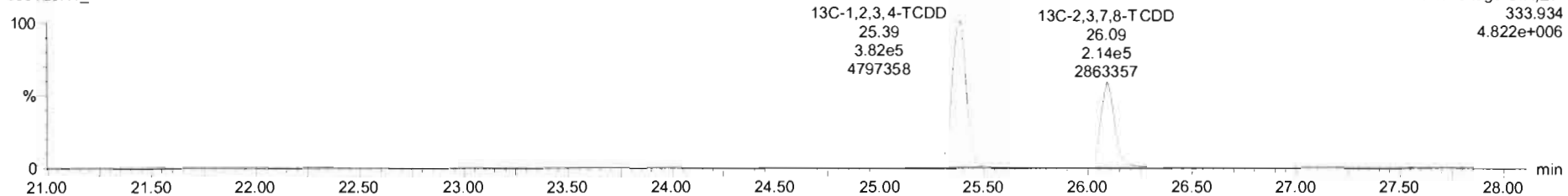


13C-1,2,3,4-TCDD

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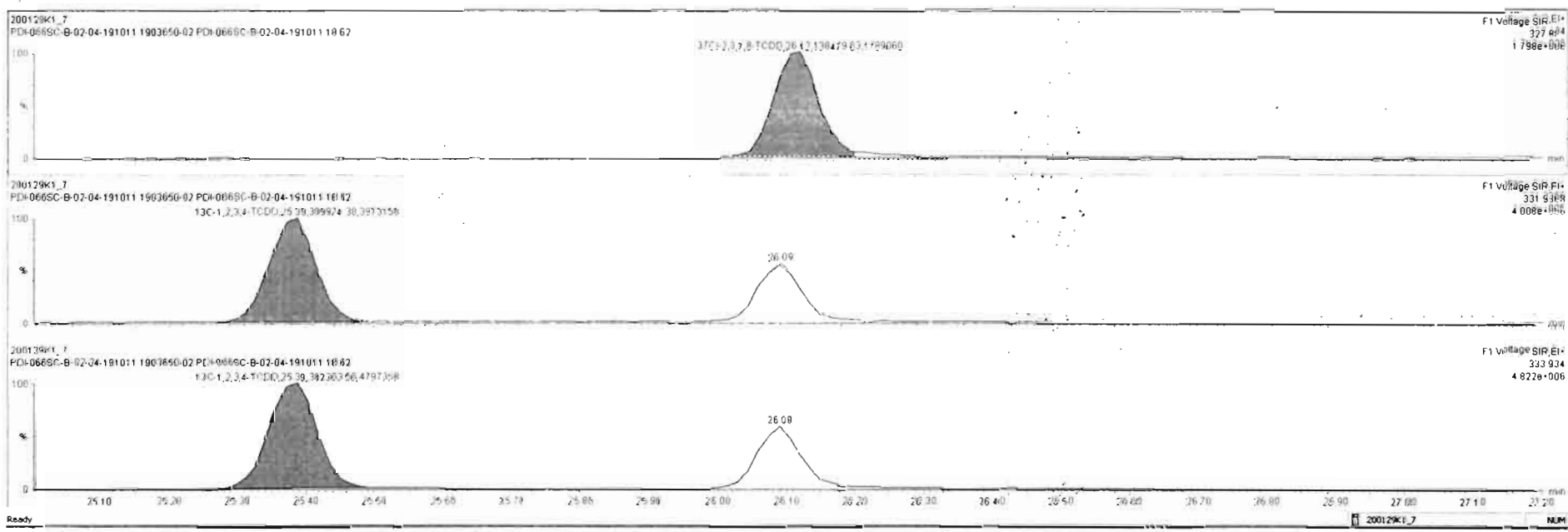
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200129K1_7 - 1903650-02 PDI-066SC-B-02-04-191011 18 52 - PDI-066SC-B-02-04-191011

#	Name	Resp	RA	rvly	RRF	wtAvol	Pred RT	RT	Pred R	RR1	RR1 Fail	Conc	%Rec	DL	EMPC
33	13C-1,2,3,4,7,8,9-HpCDF	1.14e5	0.43	NO	0.4567	10.040	36.06	39.07	1.145	1.145	NO	71.17	35.7	1.05	
34	13C-OCDF	3.12e5	0.53	NO	0.5003	10.040	41.92	41.91	1.229	1.228	NO	178.2	44.7	0.708	
35	37Cl-2,3,7,8-TCDD	1.38e5			1.1244	10.040	26.10	26.12	1.028	1.029	NO	35.44	44.5	0.167	
36	13C-1,2,3,4-TCDD	6.92e5	0.81	NO	1.0000	10.040	25.36	25.39	1.000	1.000	NO	199.2	100	0.462	
37	13C-1,2,3,4-TCDF	1.02e6	0.78	NO	1.0000	10.040	23.43	23.48	1.000	1.000	NO	199.2	100	0.606	

#	Name	Pred RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	rvly	EMPC	Conc
1										



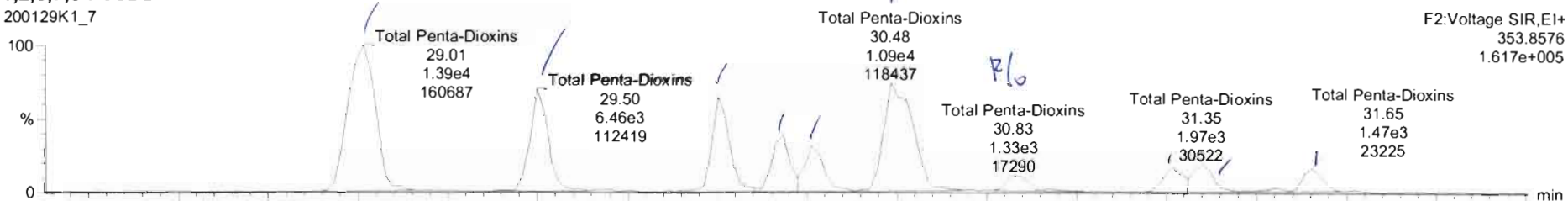
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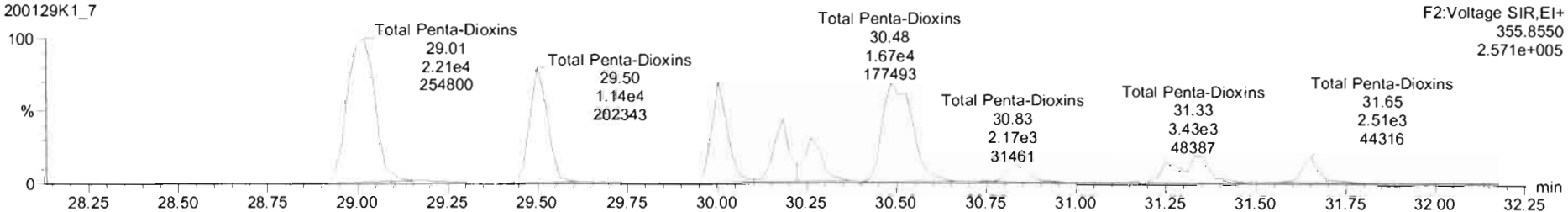
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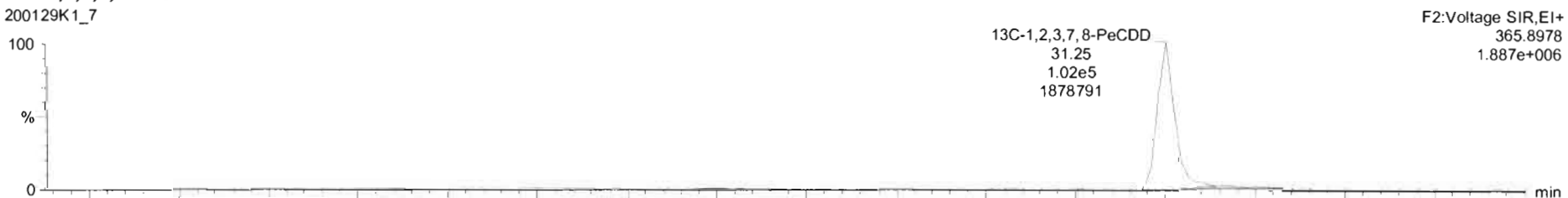


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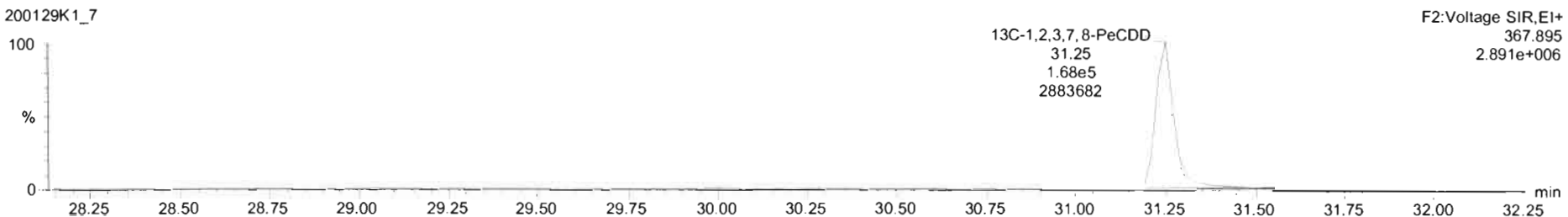


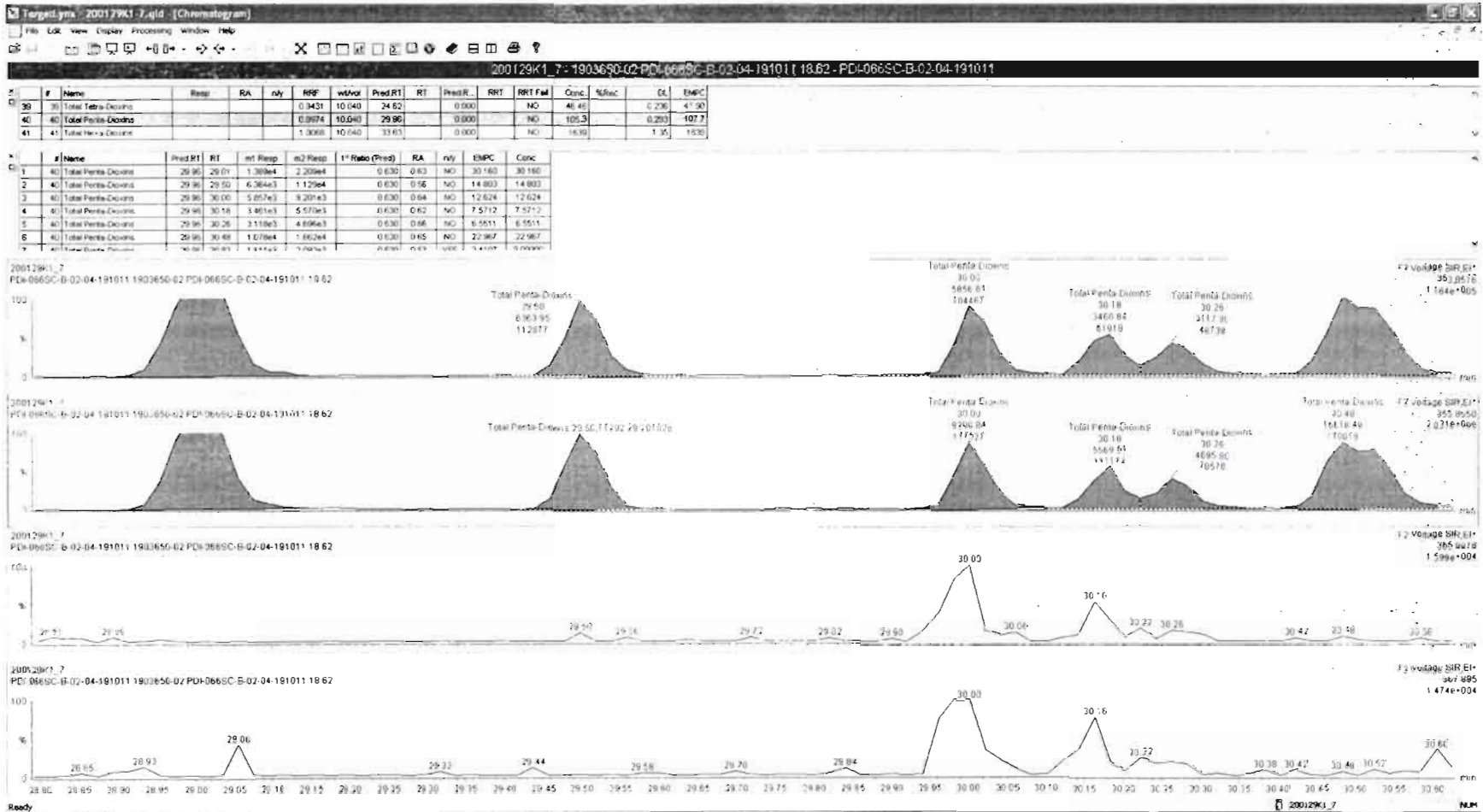
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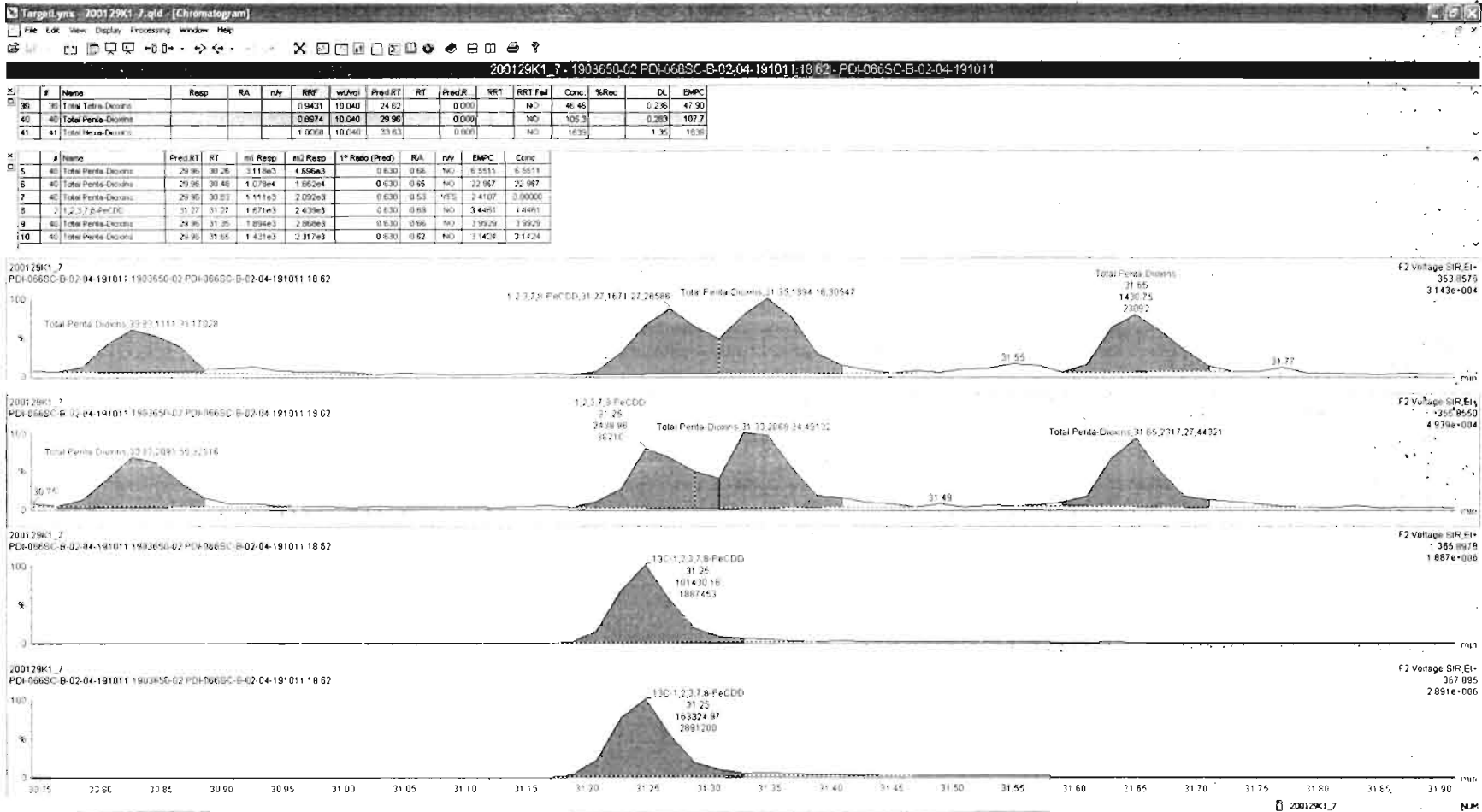
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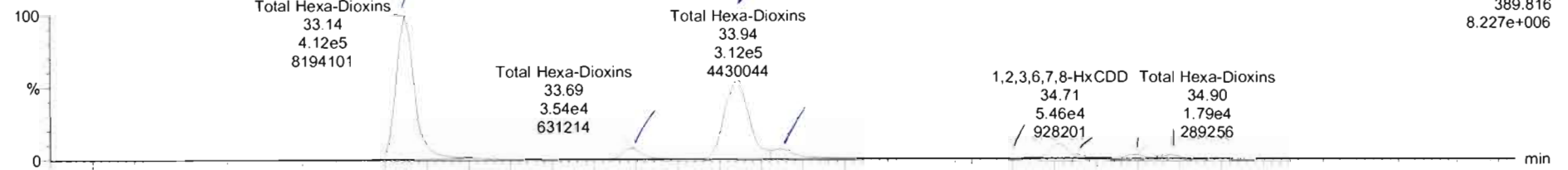
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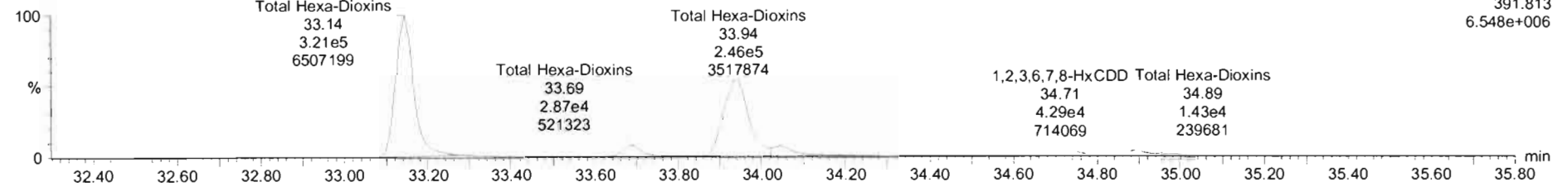
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1,2,3,4,7,8-HxCDD

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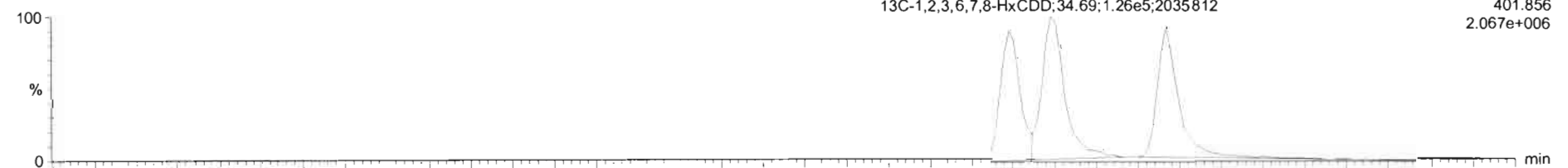


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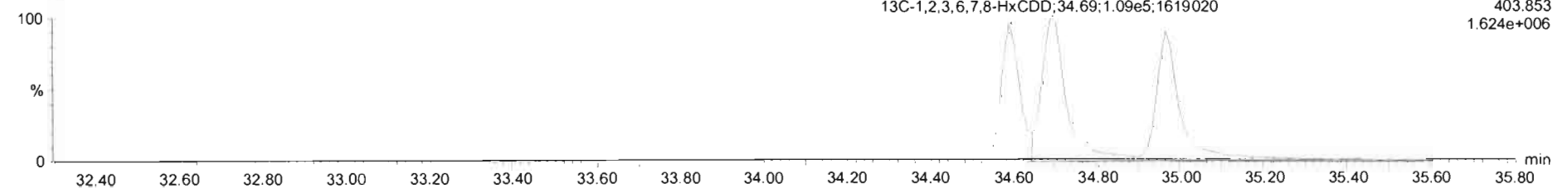


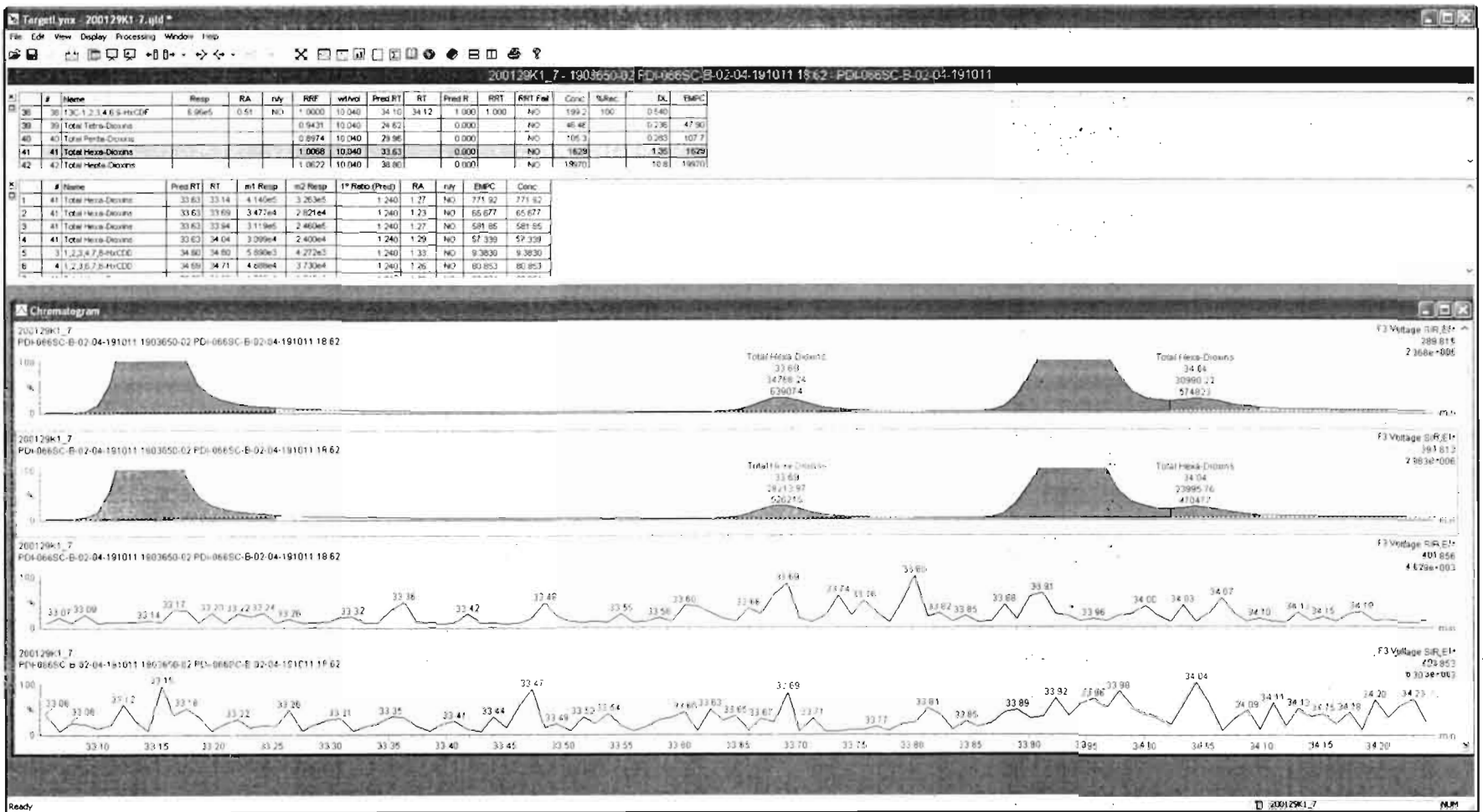
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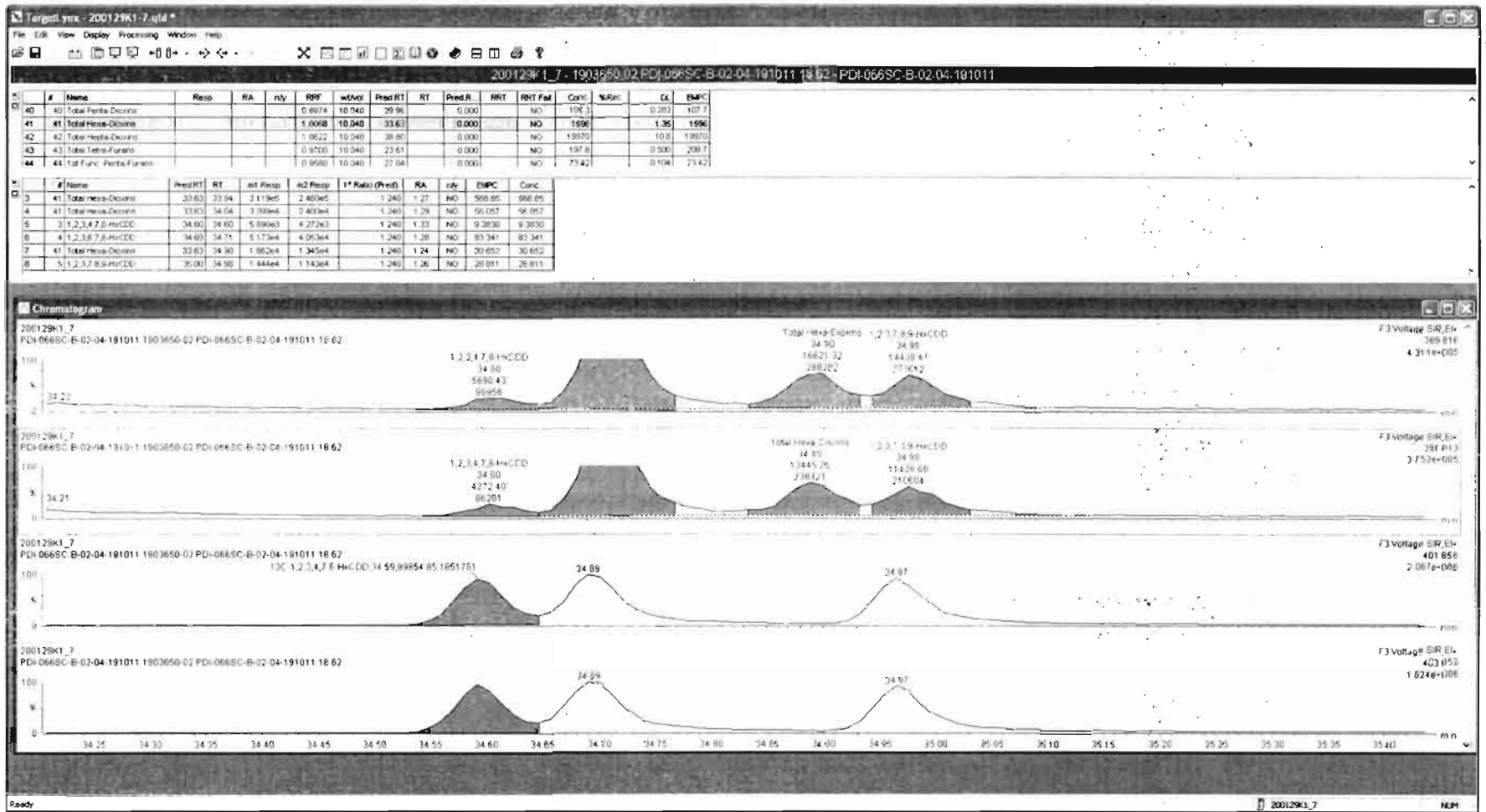
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200129K1_7







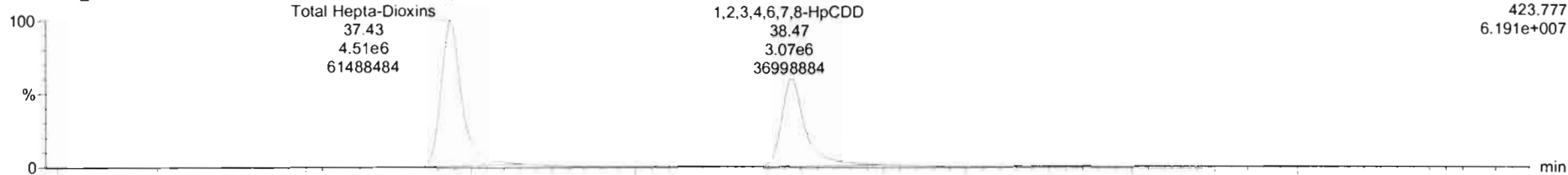
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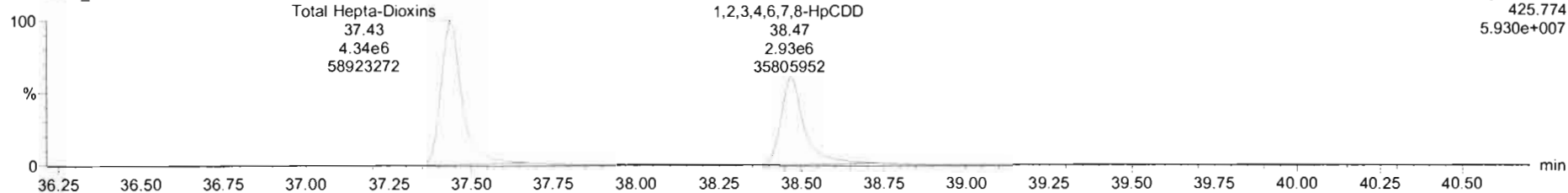
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1,2,3,4,6,7,8-HpCDD

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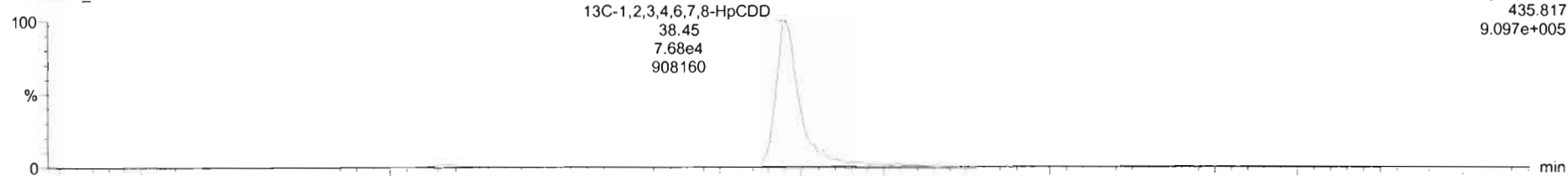


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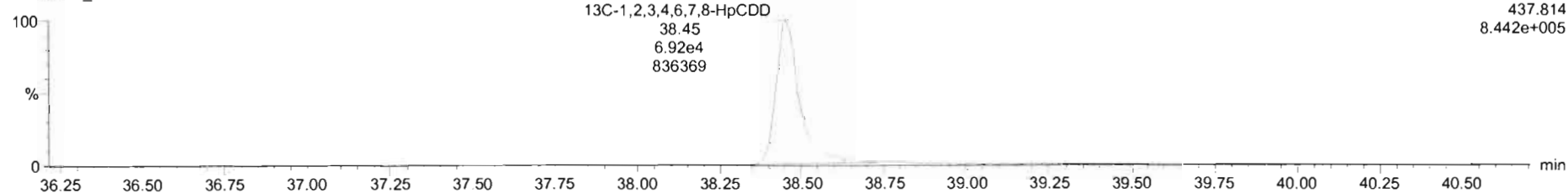


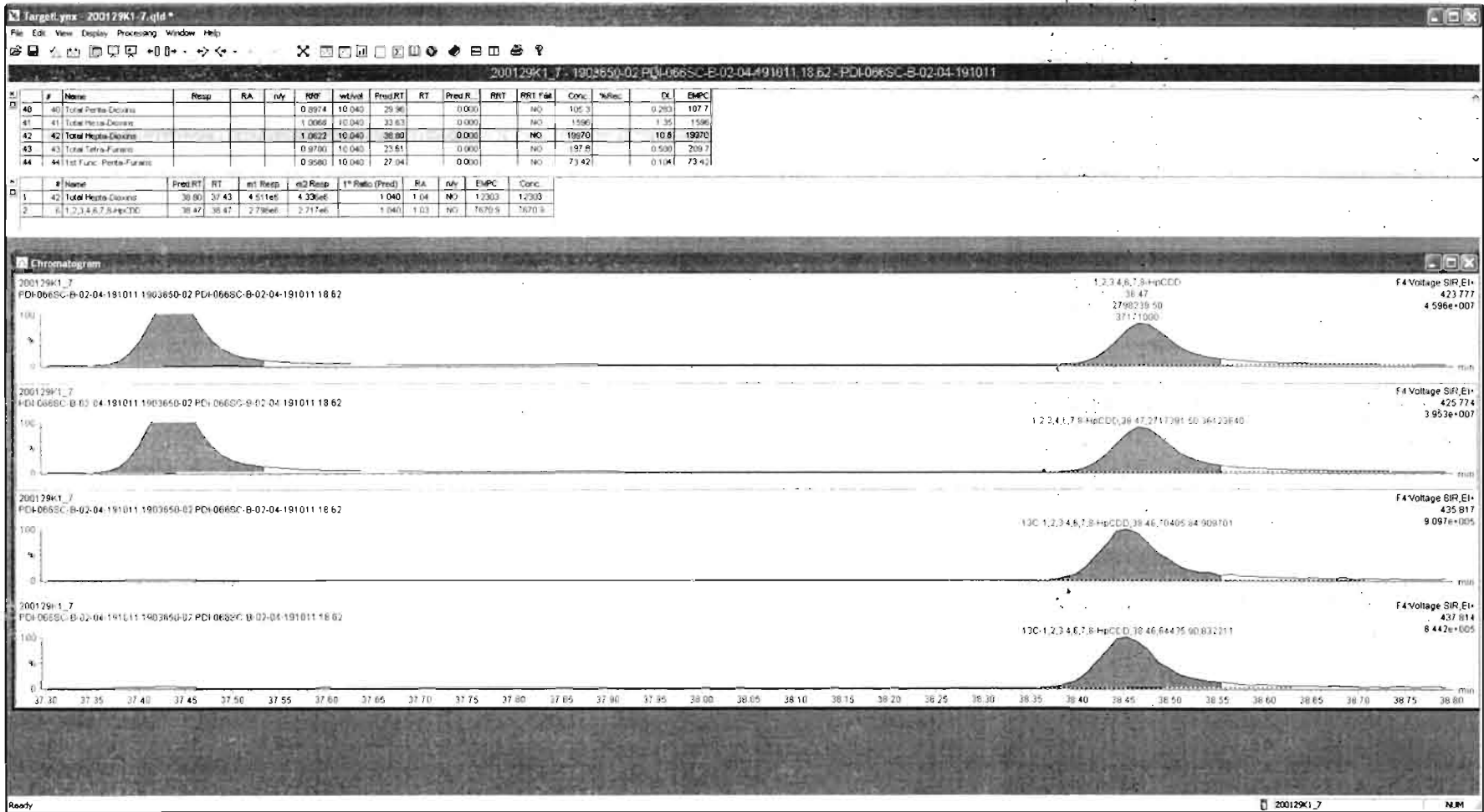
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200129K1_7



200129K1_7





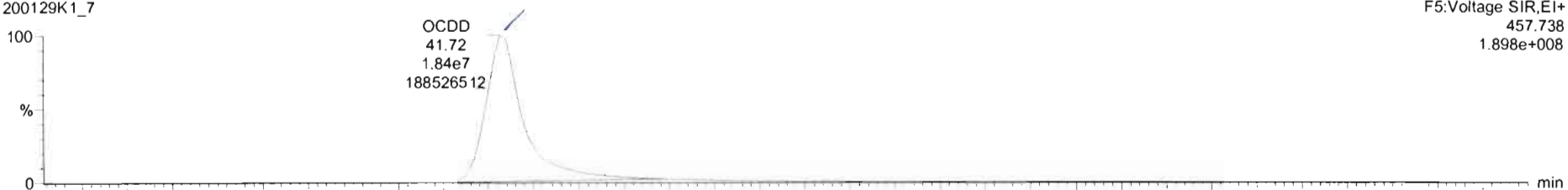
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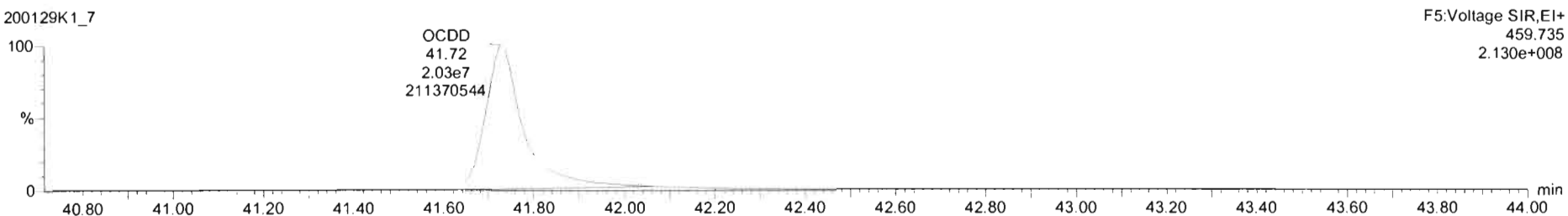
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OCDD

200129K1_7

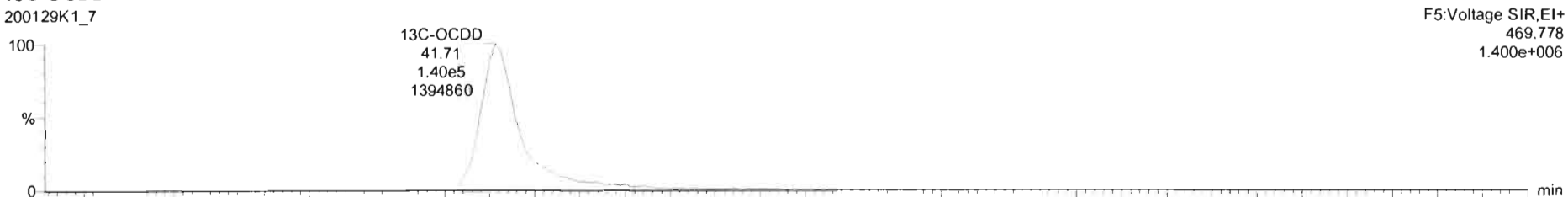


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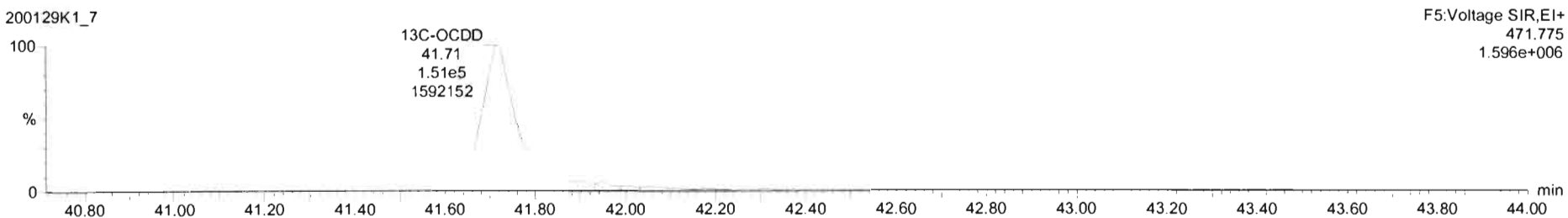


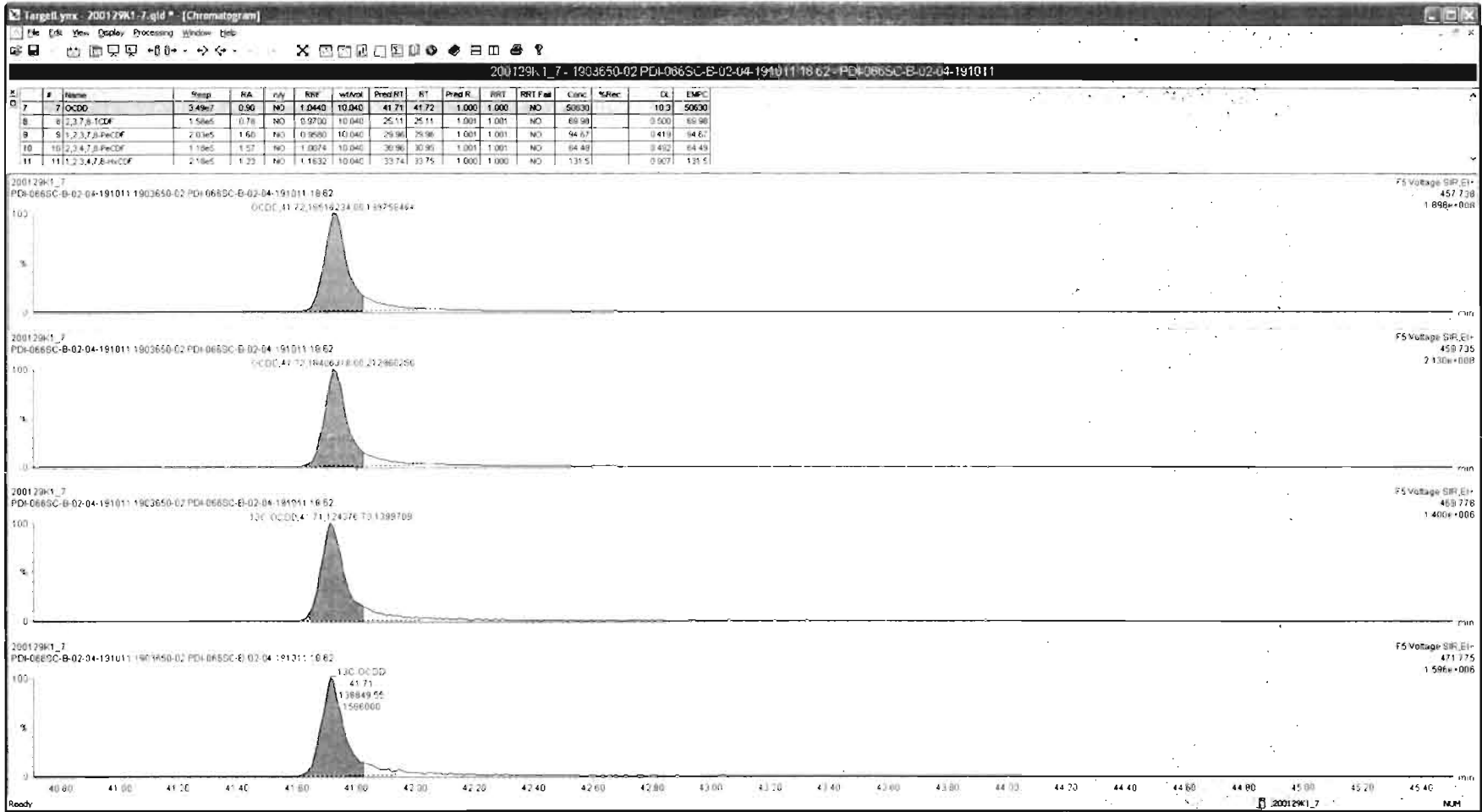
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200129K1_7



200129K1_7



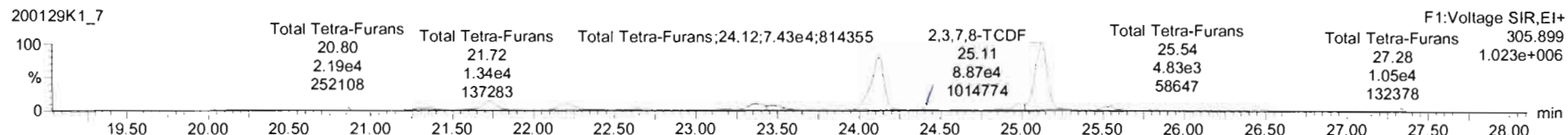
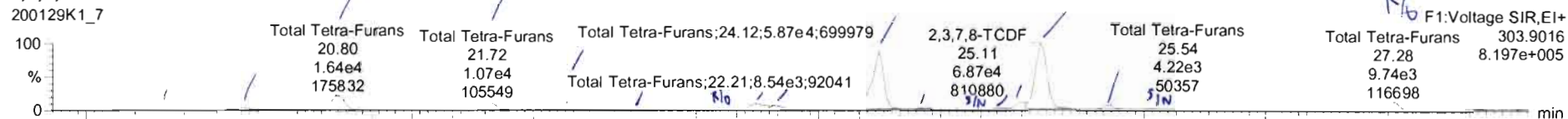


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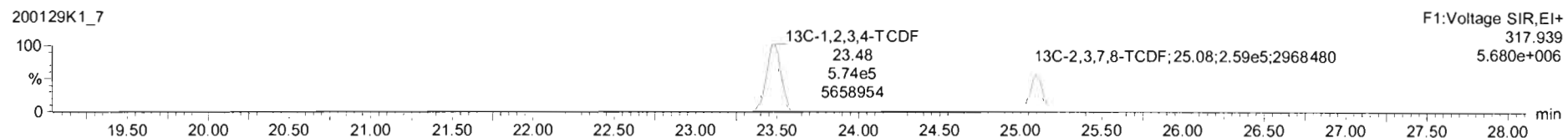
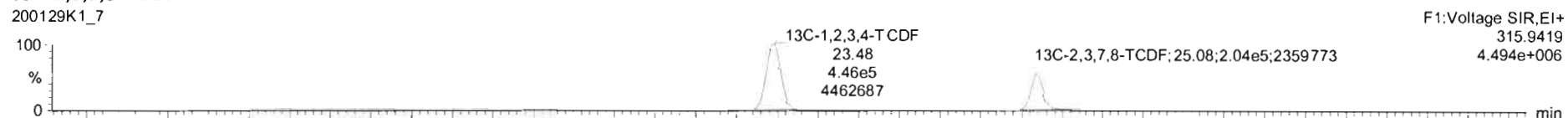
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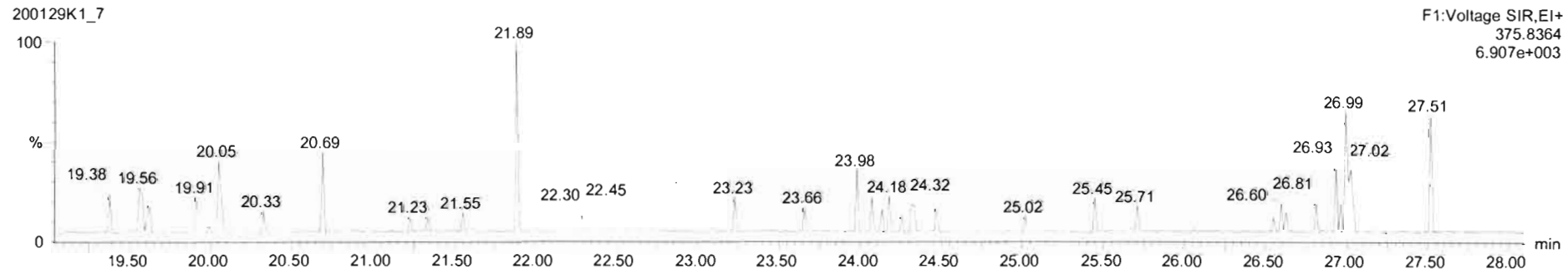
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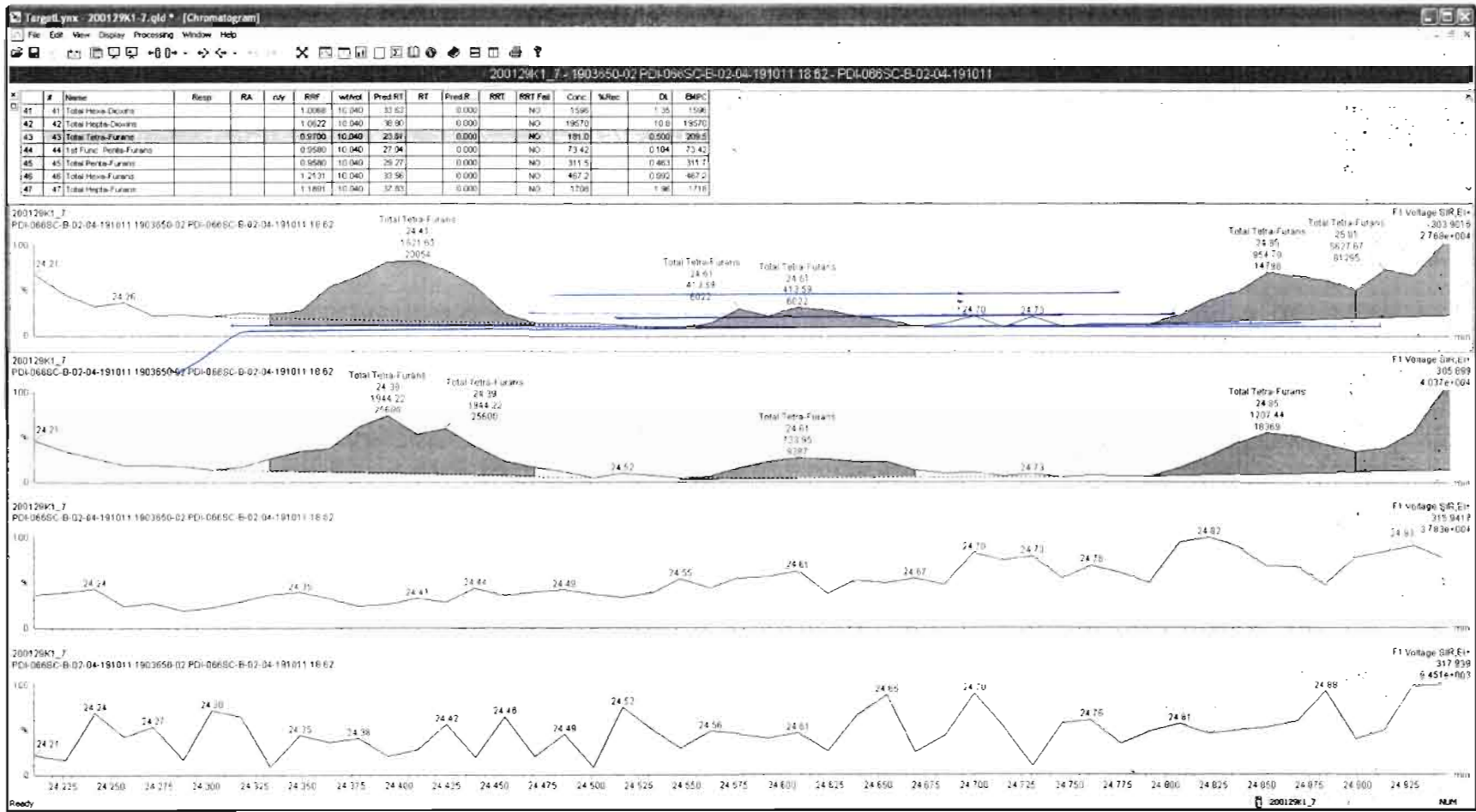


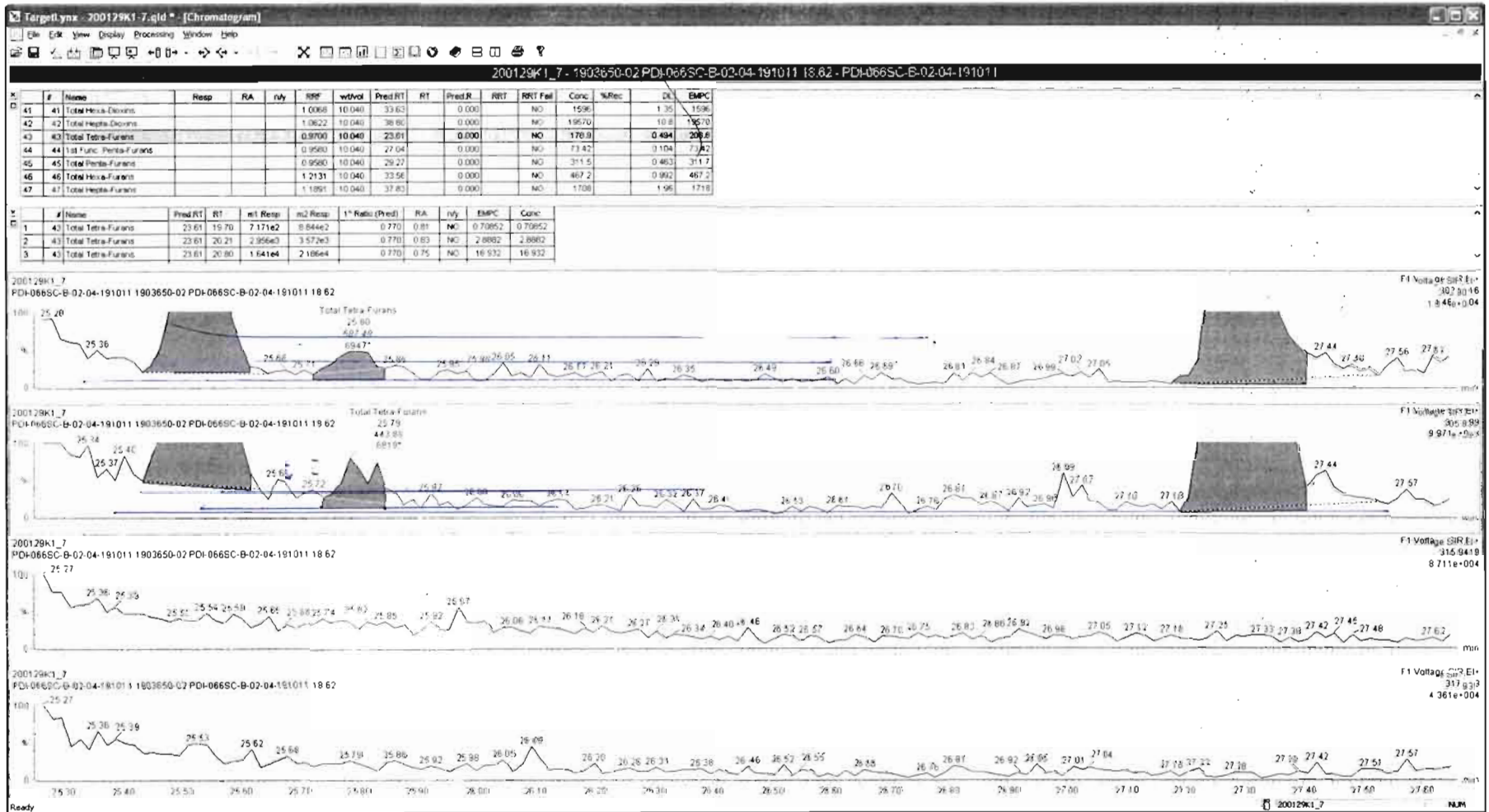
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DPE1

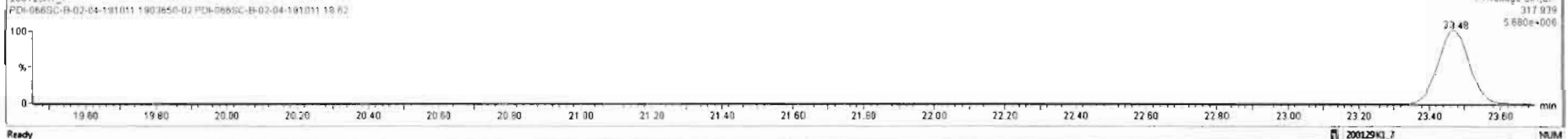
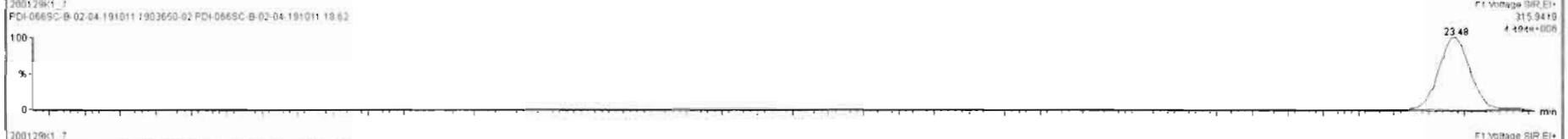
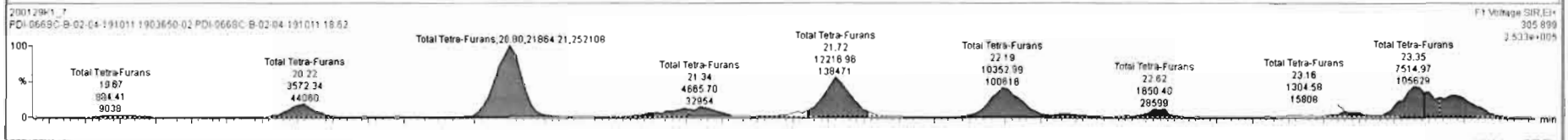
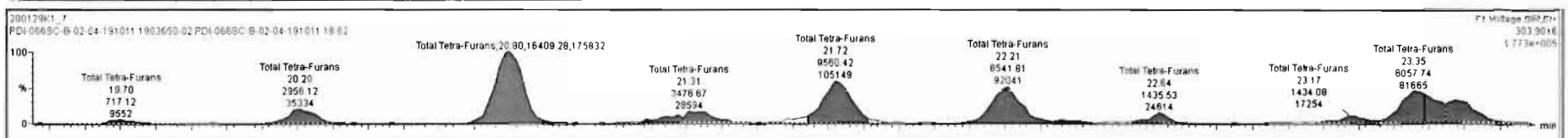






#	Name	Resp	RA	n/y	RRF	wtVol	Pred RT	RT	Pred R...	RRT	RRT Fsk	Conc.	%Rec	DL	EMPC
42	Total Hepta-Dioxins				1.0622	10.040	36.80		0.000		NO	19570		10.8	19570
43	Total Tetra-Furans				0.9700	10.040	23.61		0.000		NO	1769		0.494	205.5
44	1st Func. Penta-Furans				0.9580	10.040	27.04		0.000		NO	73.42		0.104	73.42
45	Total Penta-Furans				0.9580	10.040	29.27		0.000		NO	310.3		0.463	310.3

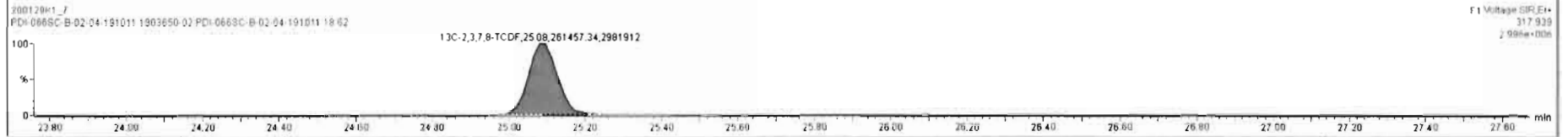
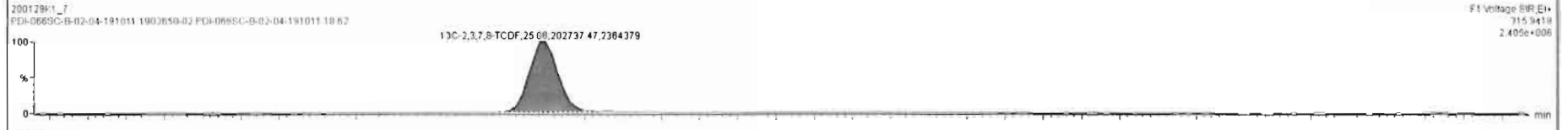
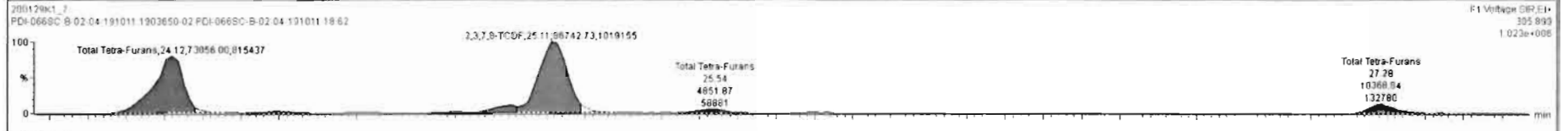
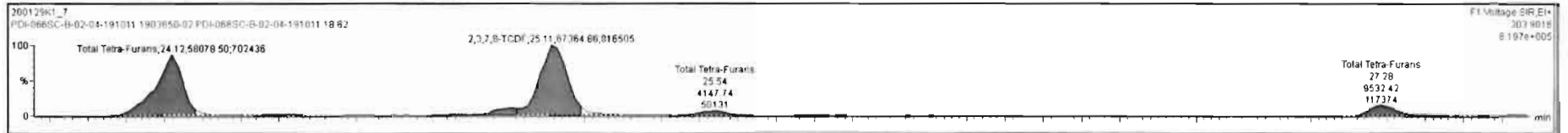
#	Name	Pred RT	RT	Int Resp	Int Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc
1	2,3,7,8-TCDF	25.11	25.11	6.736e4	8.674e4	0.770	0.78	NO	88.178	88.178
2	Total Tetra-Furans	23.61	19.70	7.171e2	8.844e2	0.770	0.81	NO	0.70900	0.70852
3	Total Tetra-Furans	23.61	20.20	2.956e3	3.572e3	0.770	0.83	NO	2.8880	2.8882
4	Total Tetra-Furans	23.61	20.90	1.641e4	2.186e4	0.770	0.75	NO	16.932	16.932
5	Total Tetra-Furans	23.61	21.31	3.477e3	4.666e3	0.770	0.75	NO	3.6020	0.00000
6	Total Tetra-Furans	23.61	21.72	9.560e3	1.222e4	0.770	0.78	NO	9.6340	9.5344
7	Total Tetra-Furans	23.61	22.21	8.542e3	1.035e4	0.770	0.82	NO	8.3590	8.3592

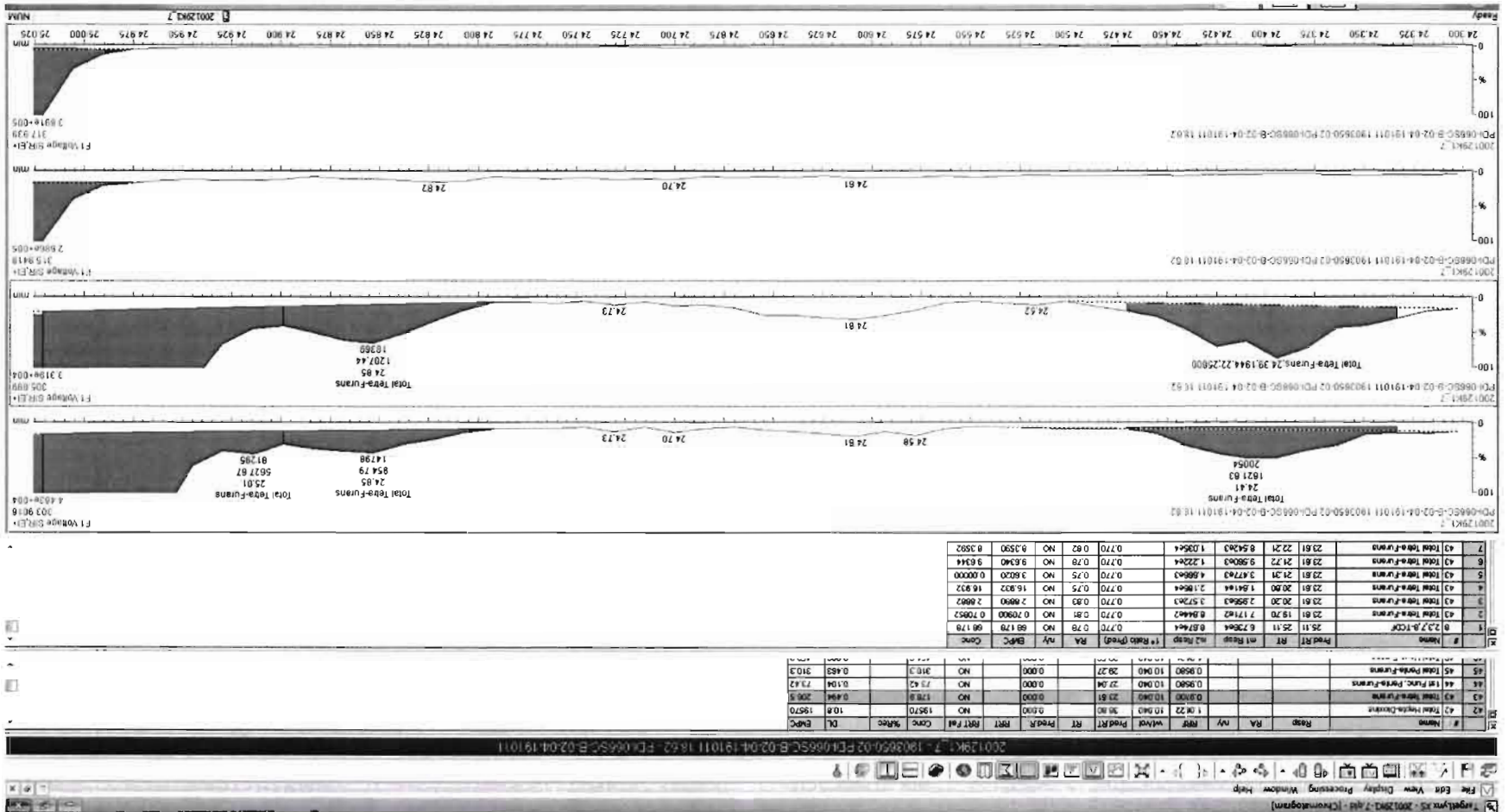


200129K1_7 - 1903650-02 PDI-066SC-B-02-04-191011 18:62 - PDI-066SC-B-02-04-191011

#	Name	Resp	RA	n/y	RRT	WtAvt	Pred RT	RT	Prod R	RRT	RRT Fld	Conc	%Rec	DL	EMPC
42	Total Hepta-Chlorina				1.0222	10.040	38.80		0.000		NO	19670		10.8	19670
43	Total Tetra-Furans				0.8706	10.040	23.61		0.000		NO	178.9		0.464	206.5
44	1st Func. Penta-Furans				0.8580	10.040	27.04		0.000		NO	73.42		0.104	73.42
45	Total Penta-Furans				0.8580	10.040	29.27		0.000		NO	310.3		0.483	310.3

#	Name	Pred RT	RT	m1 Resp	m2 Resp	F ² Ratio (Pred)	RA	n/y	EMPC	Conc
1	2,3,7,8-TCDF	25.11	25.11	6.736e4	6.674e4	0.770	0.78	NO	88.178	88.178
2	Total Tetra-Furans	23.61	19.70	7.171e7	8.844e2	0.770	0.81	NO	0.75800	0.70862
3	Total Tetra-Furans	23.61	20.20	2.956e3	3.572e3	0.770	0.83	NO	2.8680	2.8882
4	Total Tetra-Furans	23.61	20.80	1.841e4	2.186e4	0.770	0.75	NO	16.932	16.932
5	Total Tetra-Furans	23.61	21.31	3.477e3	4.666e3	0.770	0.75	NO	3.6200	0.00000
6	Total Tetra-Furans	23.61	21.72	9.560e3	1.222e4	0.770	0.78	NO	9.6340	9.6344
7	Total Tetra-Furans	23.61	22.21	8.542e3	1.035e4	0.770	0.82	NO	8.3590	8.3592





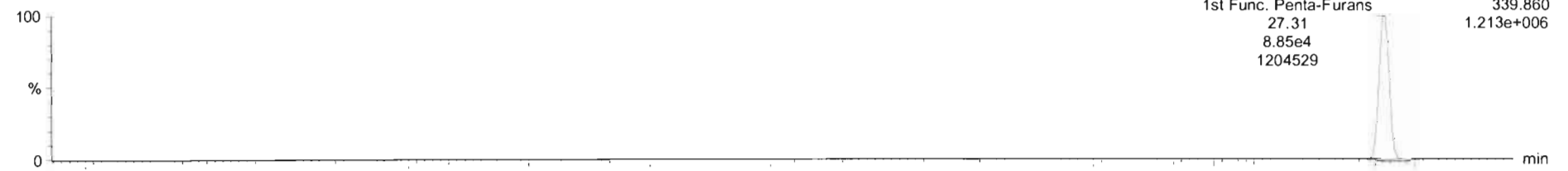
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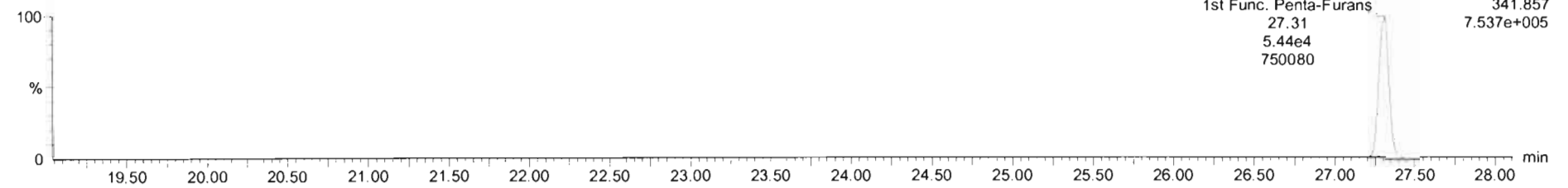
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1st Func. Penta-Furans

200129K1_7

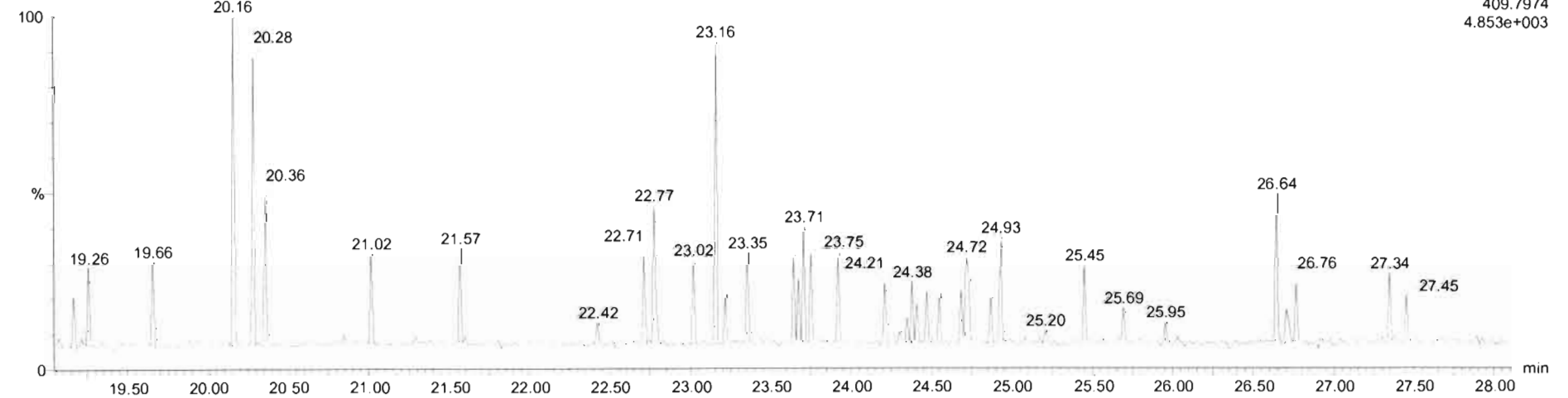


200129K1_7



DPE6

200129K1_7

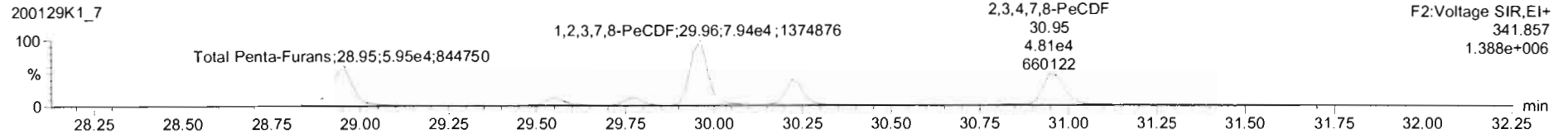
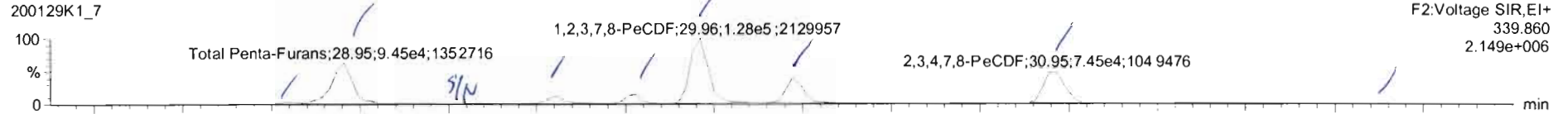


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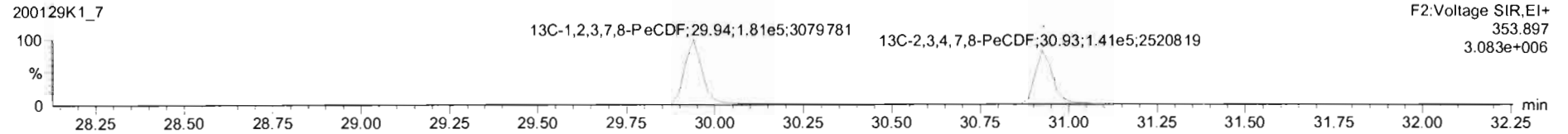
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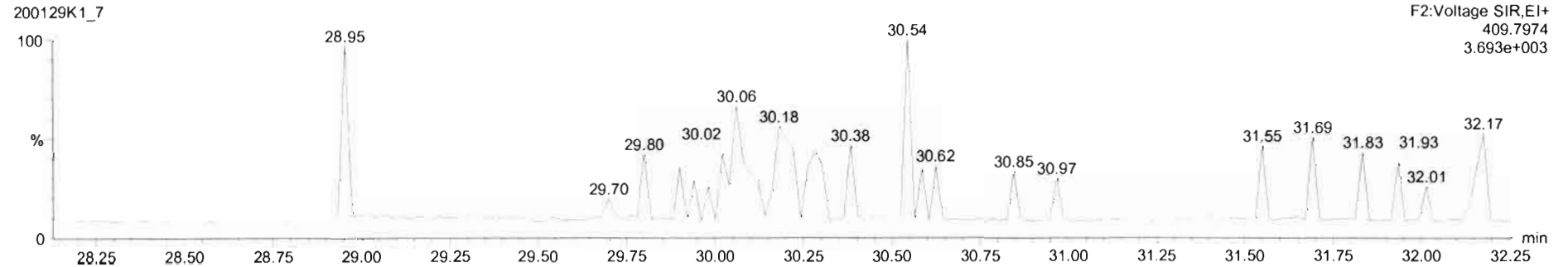
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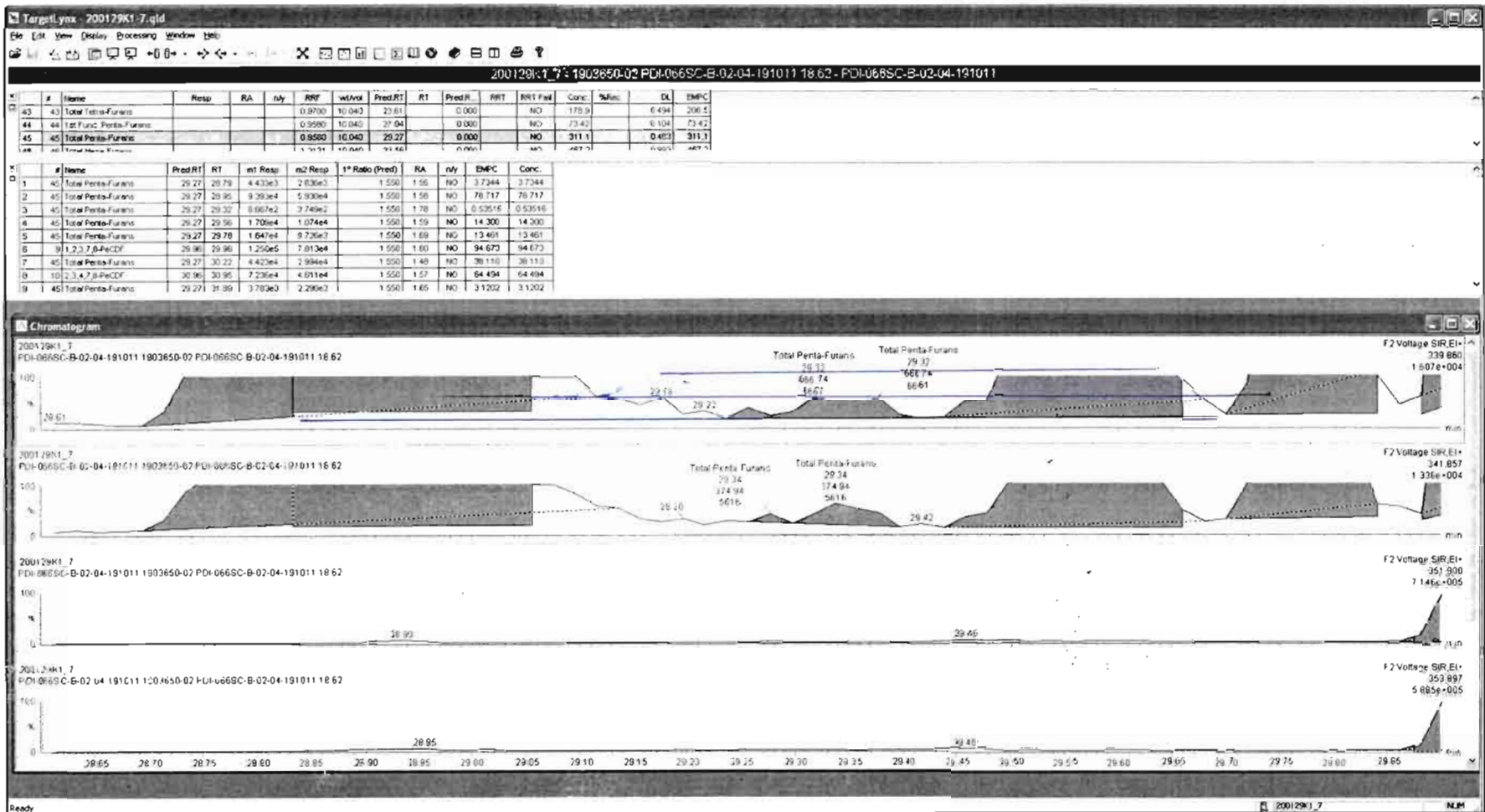


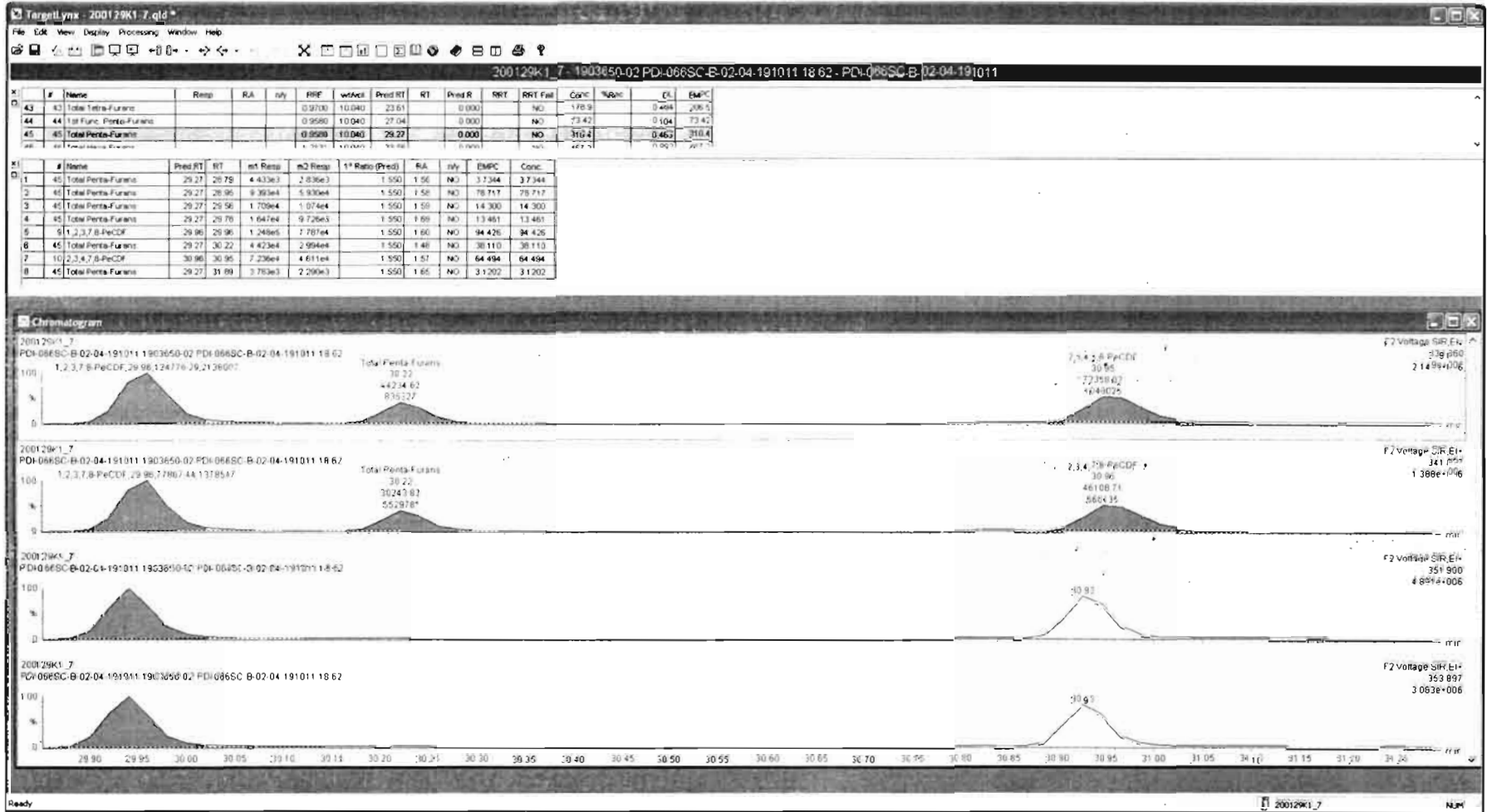
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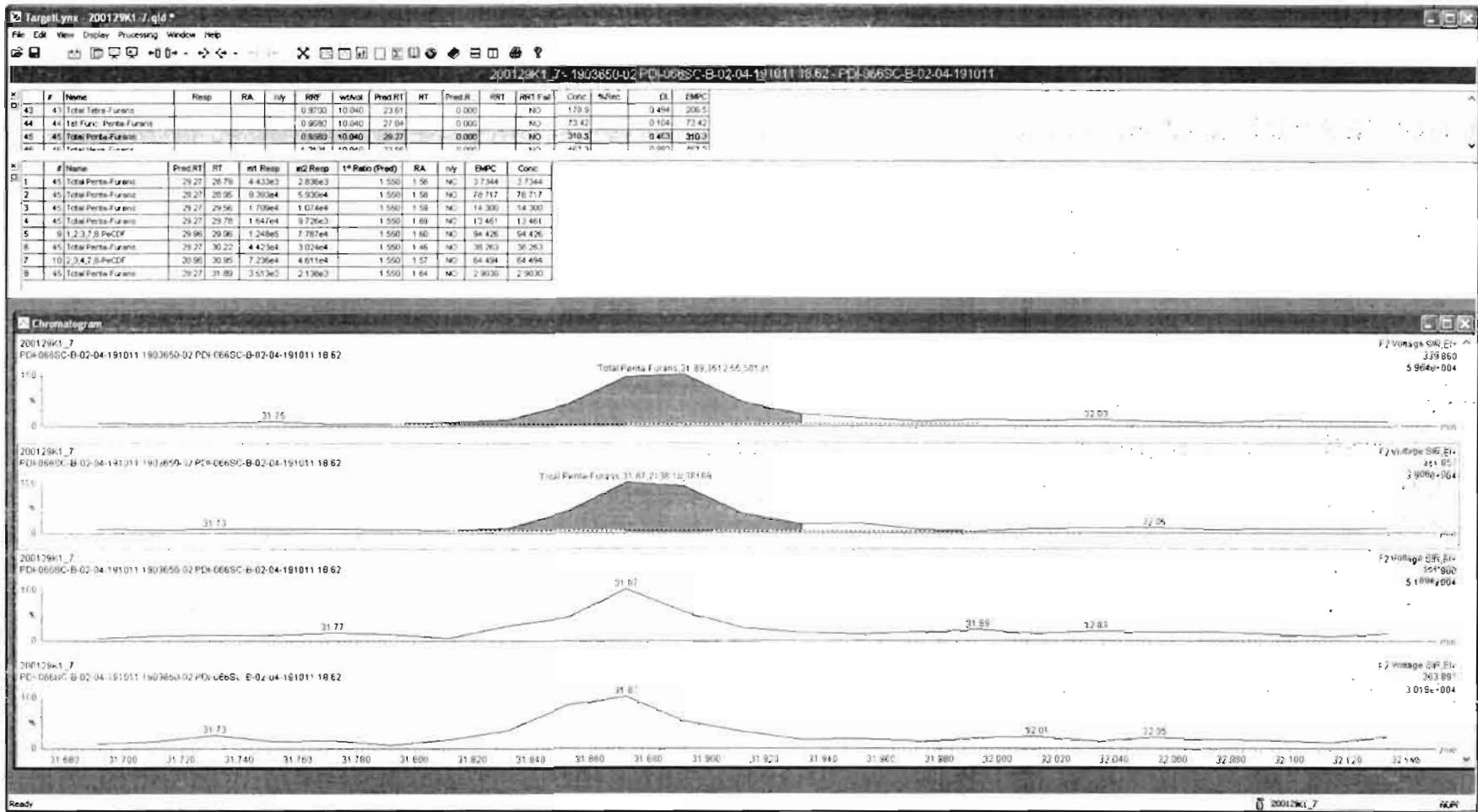


DPE2







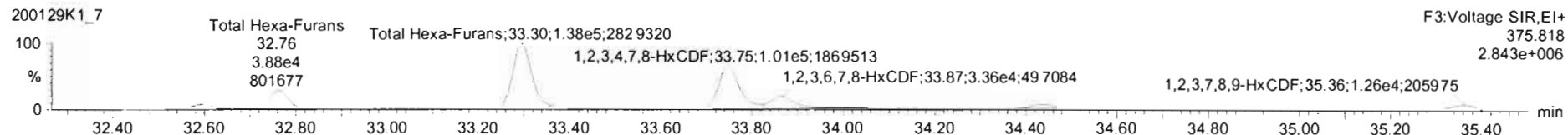
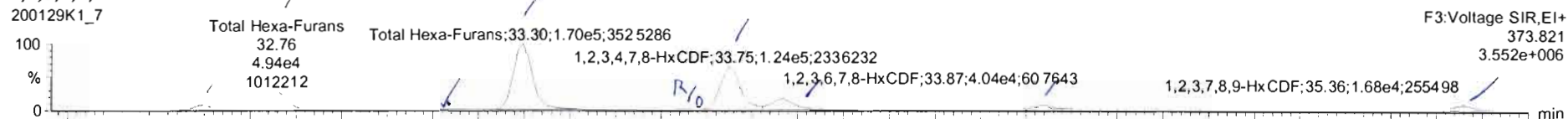


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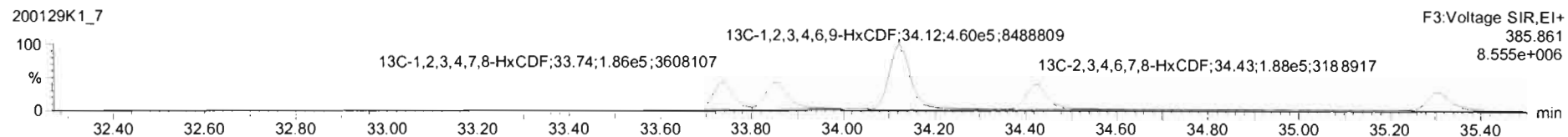
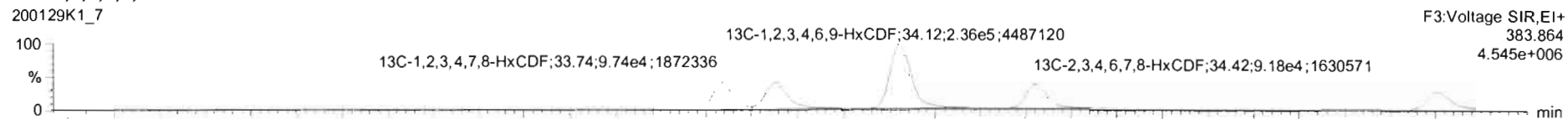
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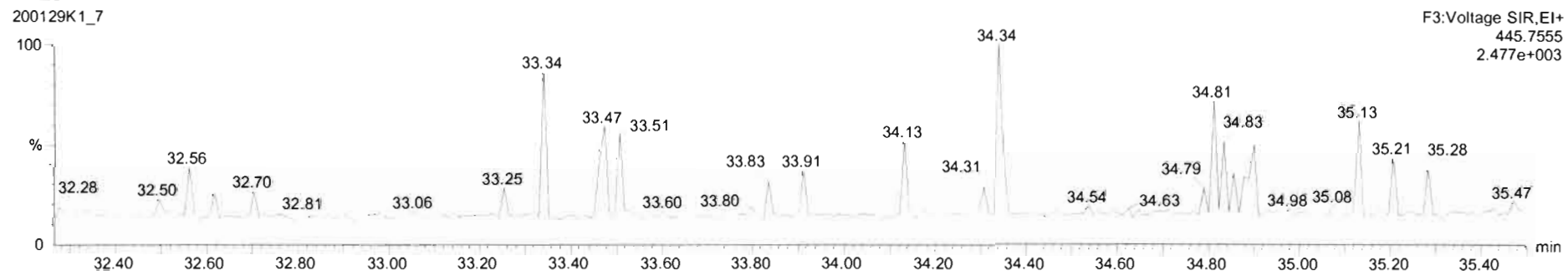
1,2,3,4,7,8-HxCDF

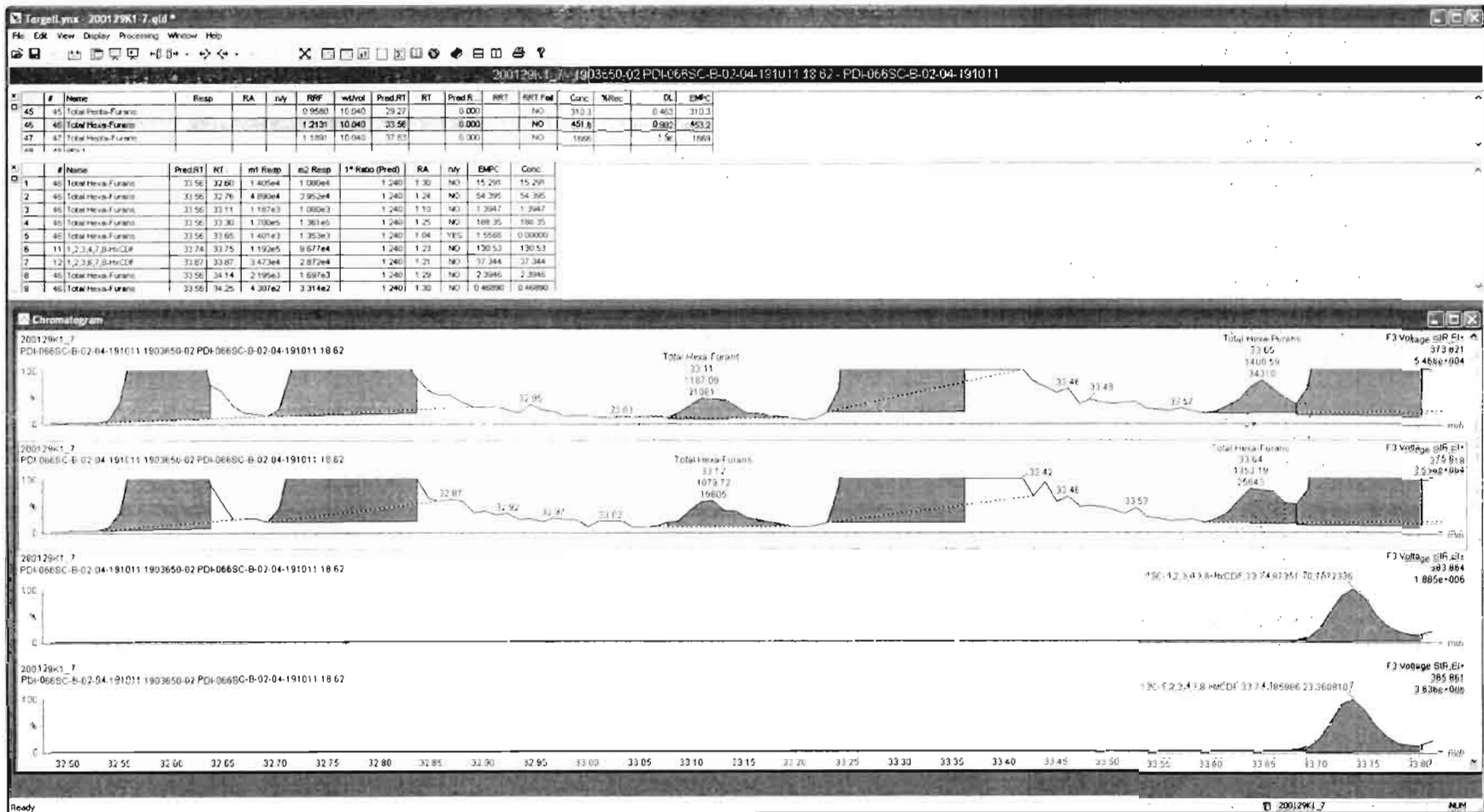


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DPE3

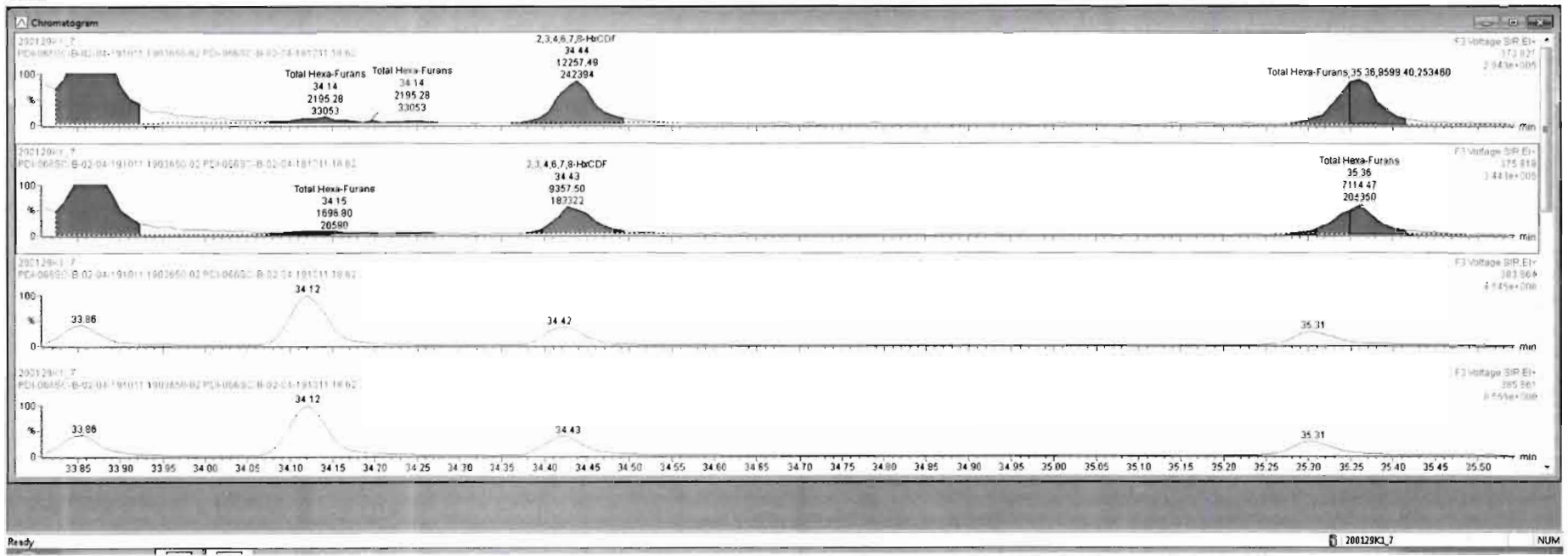




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 200129K1_7 - 1903650-02 PDI-066SC-B-02-04-191011 16:62 - PDI-066SC-B-02-04-191011

#	Name	Resp	RA	n/y	RRF	wt/nd	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
44	1st Func. Penta-Furans				0.9580	10.040	27.04		0.000		NO	73.42		0.104	73.42
45	Total Penta-Furans				0.9580	10.040	29.27		0.000		NO	310.3		0.463	310.3
46	Total Hexa-Furans				1.2131	10.040	33.58		0.000		NO	482.0		0.992	483.5
47	Total Hepta-Furans				1.1891	10.040	37.83		0.000		NO	1666		1.96	1666
48	PFK1														
49	PFK2														

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc
1	11 1,2,3,4,7,8-HxCDF	33.74	33.75	1.192e5	9.877e4	1.240	1.23	NO	130.53	130.53
2	12 1,2,3,6,7,8-HxCDF	33.87	33.87	3.473e4	2.872e4	1.240	1.21	NO	37.344	37.344
3	13 2,3,4,6,7,8-HxCDF	34.45	34.44	1.226e4	9.357e3	1.240	1.31	NO	12.814	12.814
4	14 1,2,3,7,8,9-HxCDF	35.31	35.35	5.719e3	4.748e3	1.240	1.20	NO	8.7003	8.7003
5	46 Total Hexa-Furans	33.56	32.60	1.405e4	1.000e4	1.240	1.30	NO	15.291	15.291

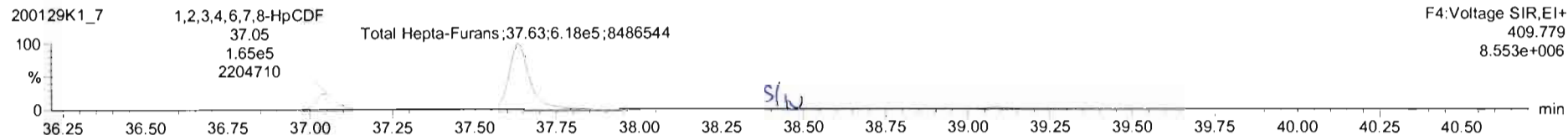
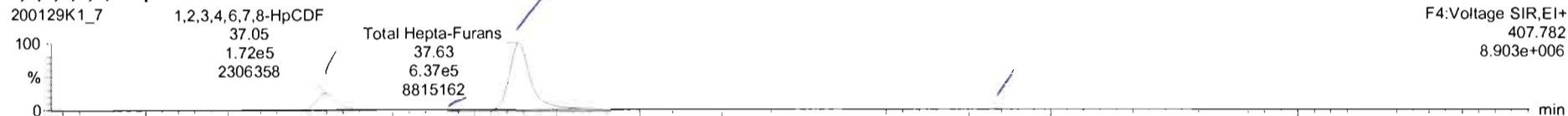


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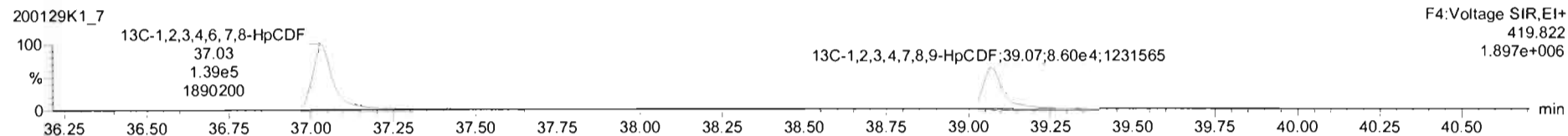
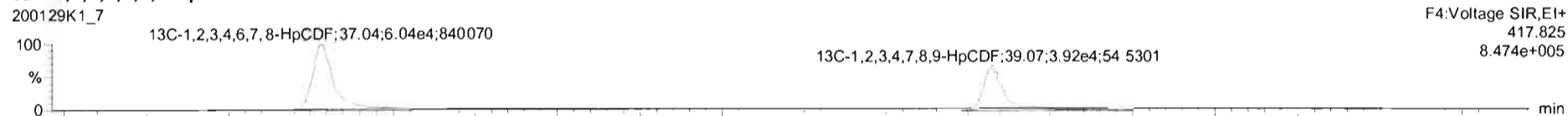
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Name: 200129K1_7, Date: 29-Jan-2020, Time: 20:02:42, ID: 1903650-02 PDI-066SC-B-02-04-191011 18.62, Description: PDI-066SC-B-02-04-191011

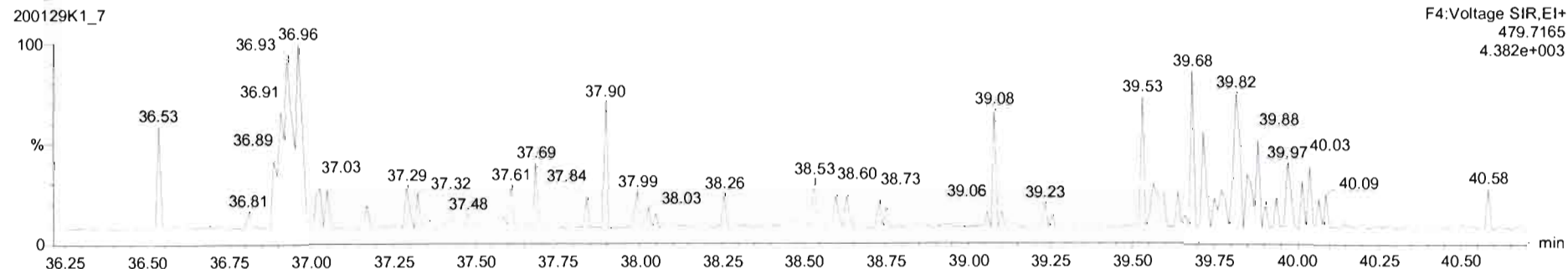
1,2,3,4,6,7,8-HpCDF

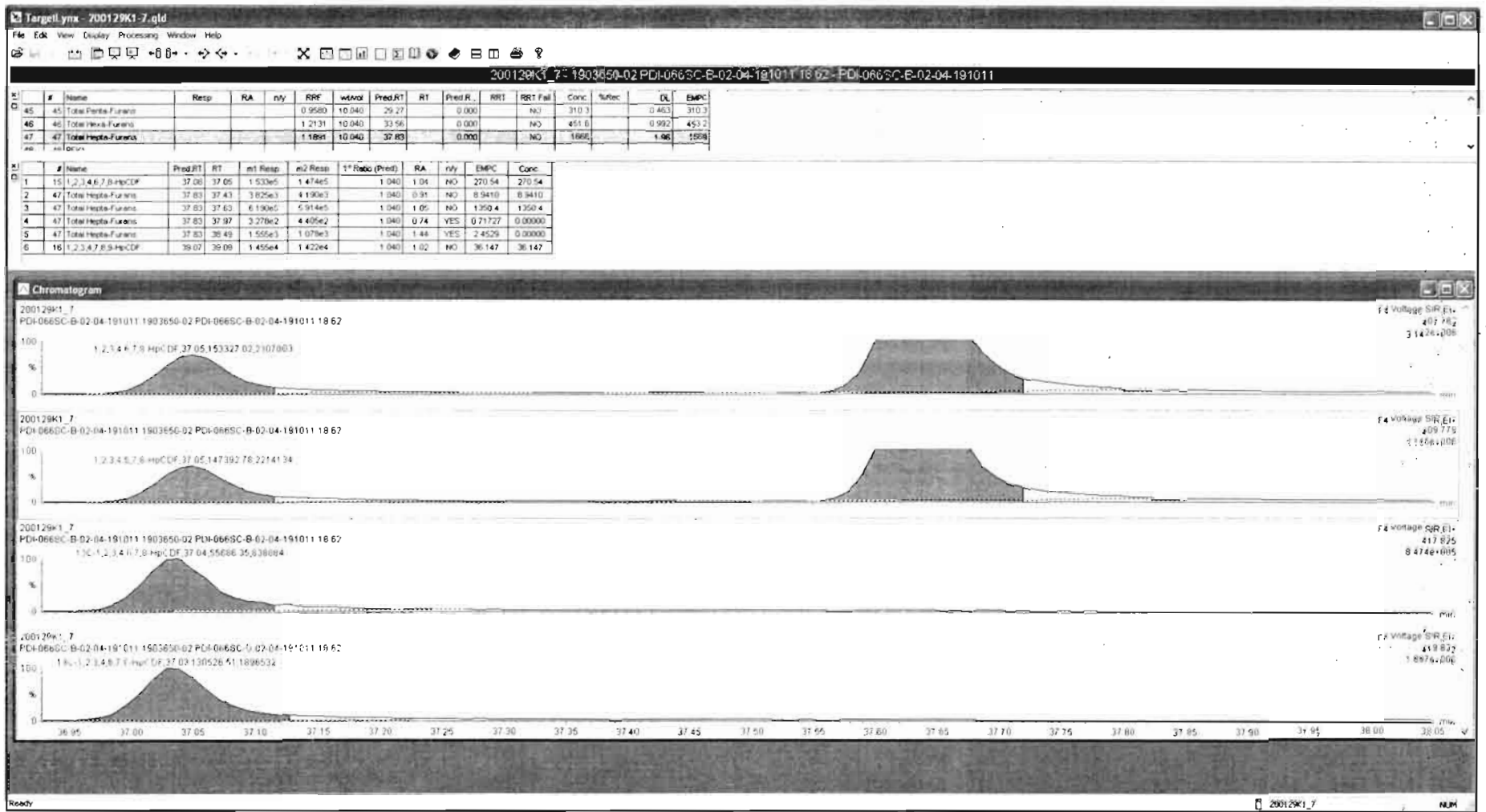


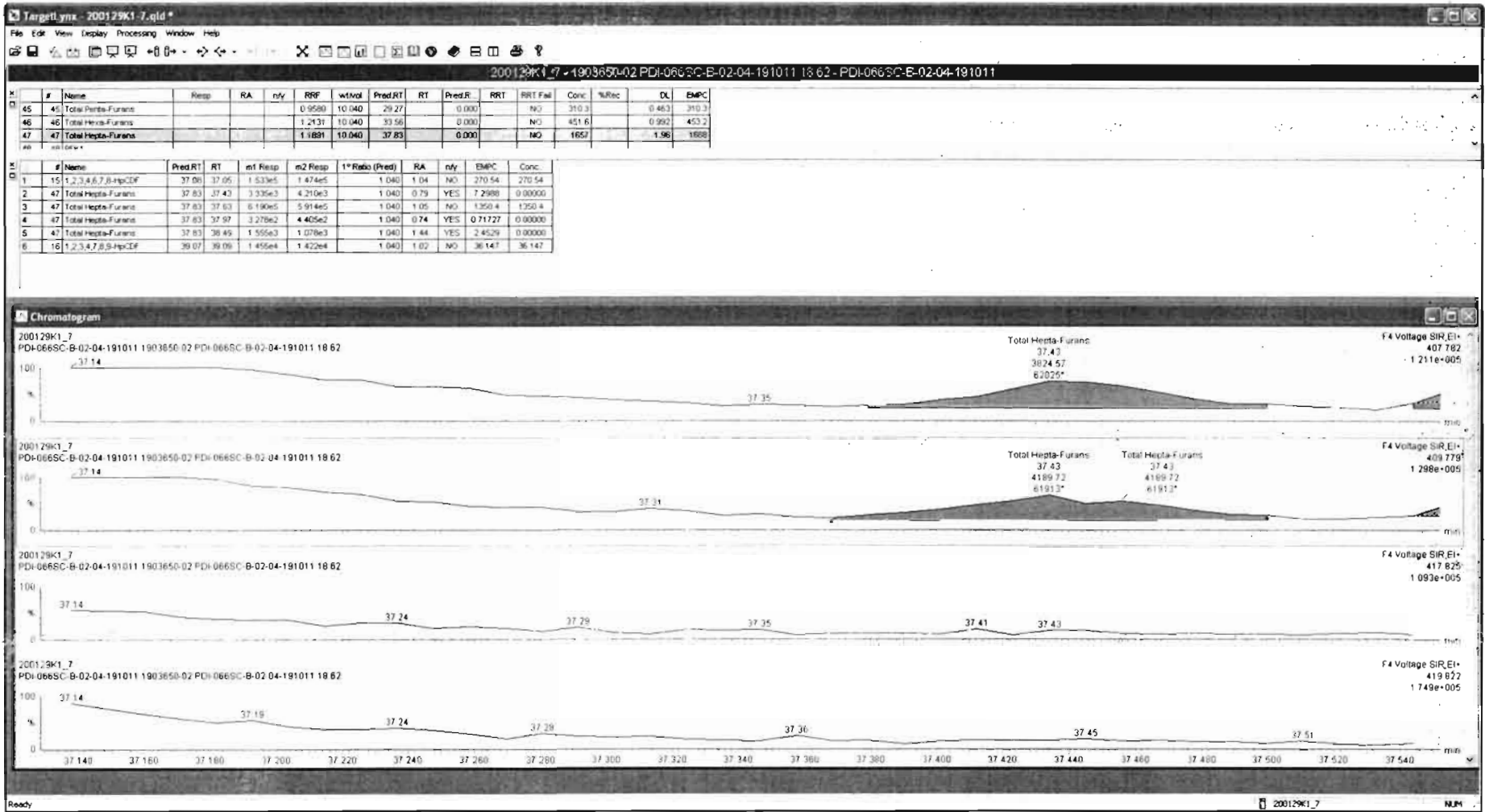
13C-1,2,3,4,6,7,8-HpCDF

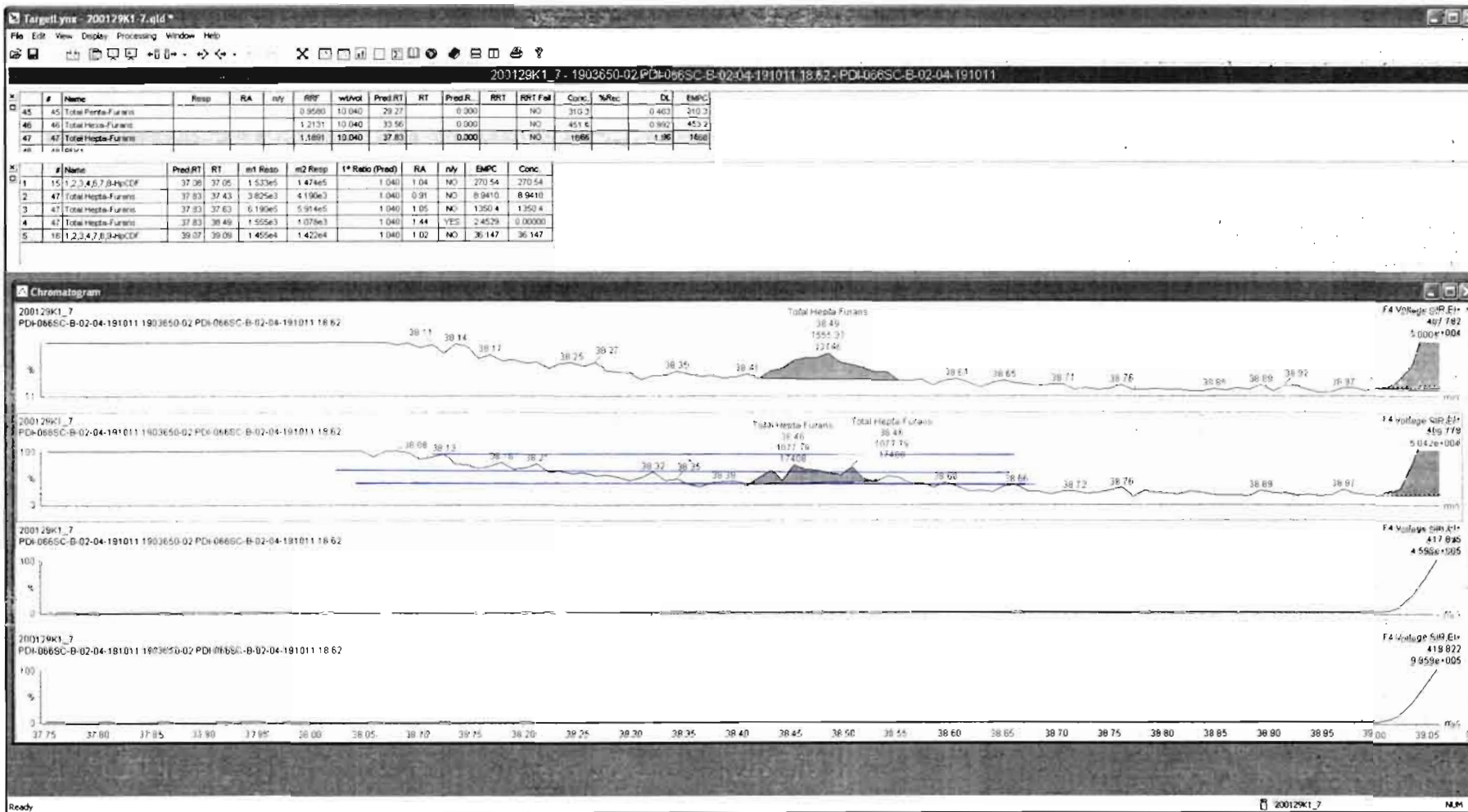


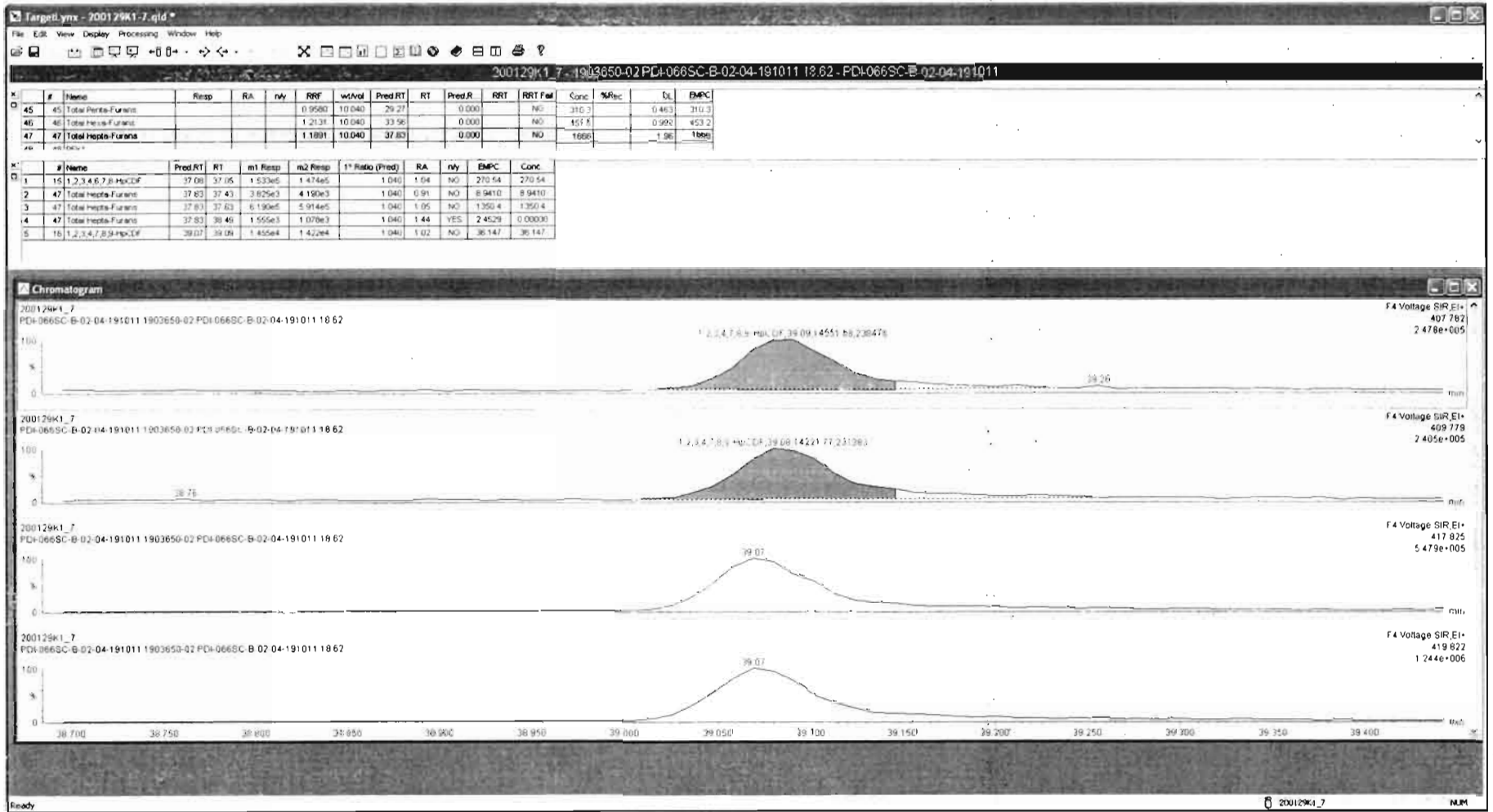
DPE4









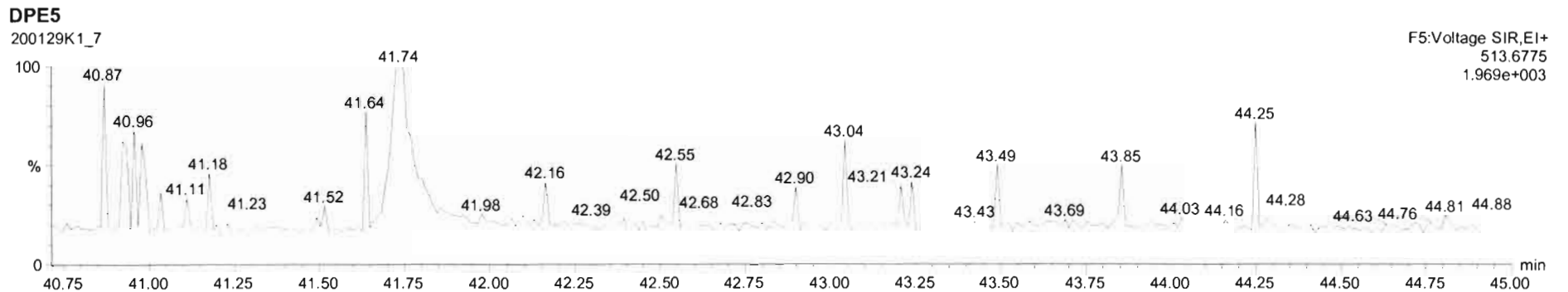
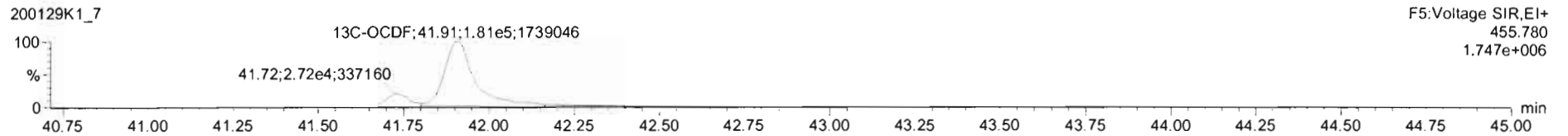
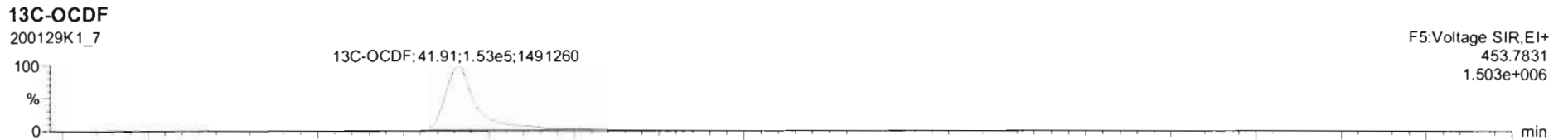
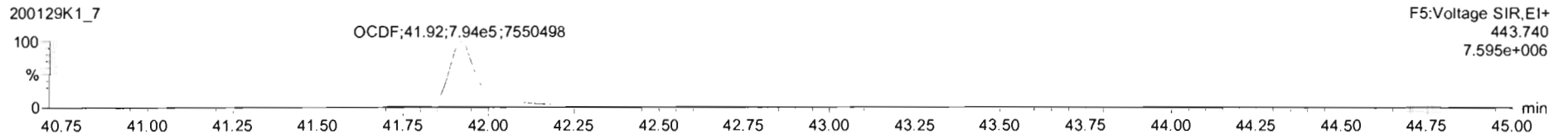
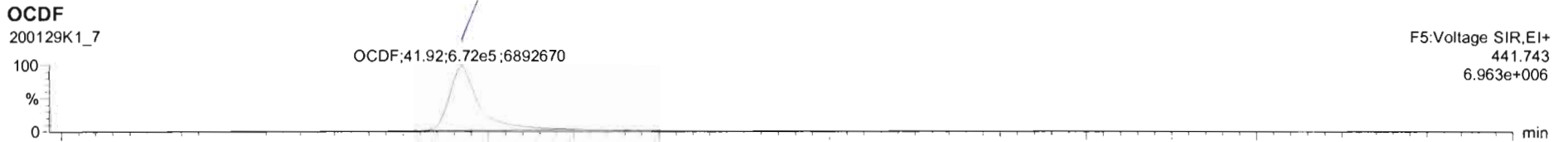


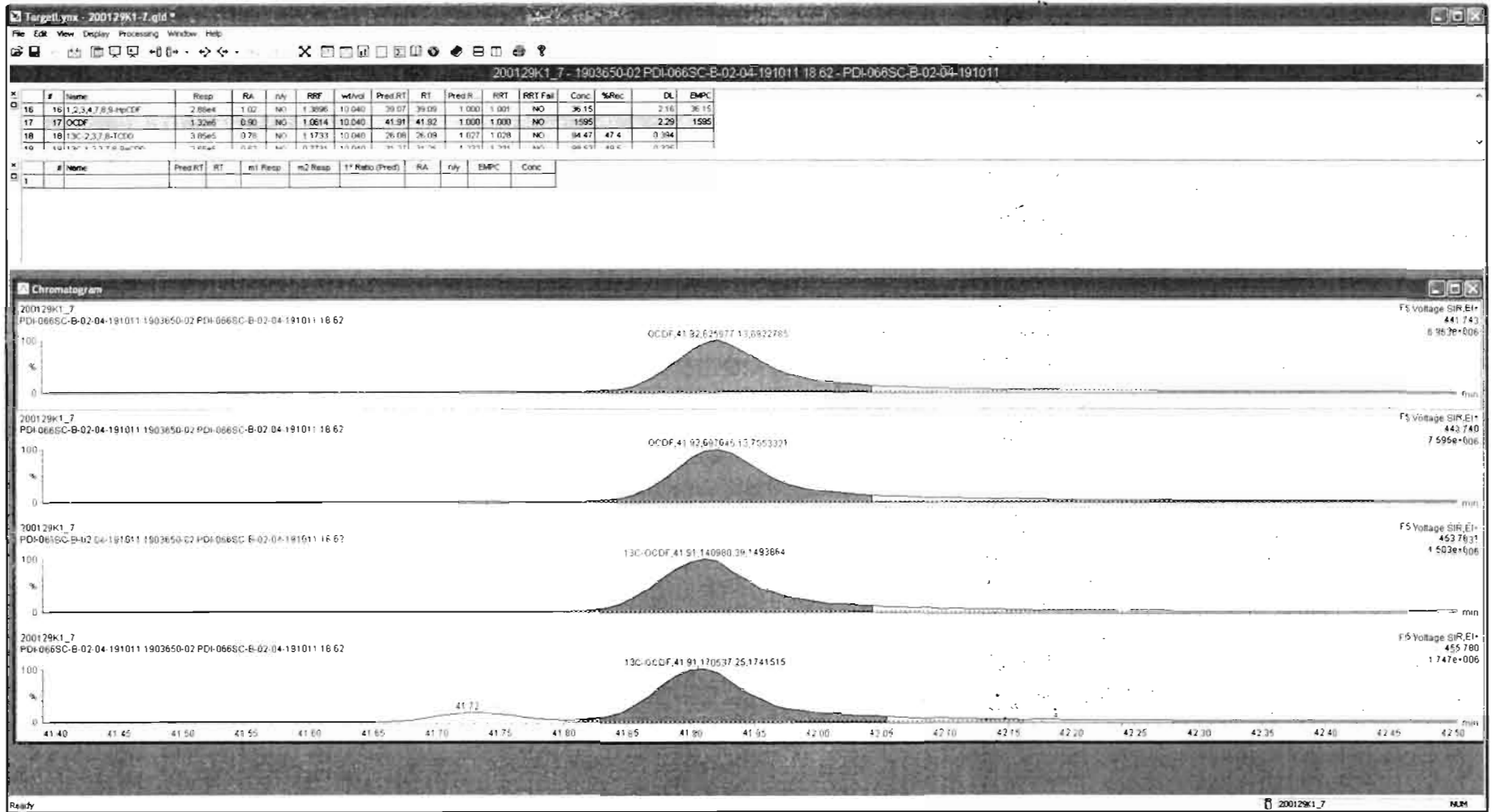
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Name: 200129K1_7, Date: 29-Jan-2020, Time: 20:02:42, ID: 1903650-02 PDI-066SC-B-02-04-191011 18.62, Description: PDI-066SC-B-02-04-191011



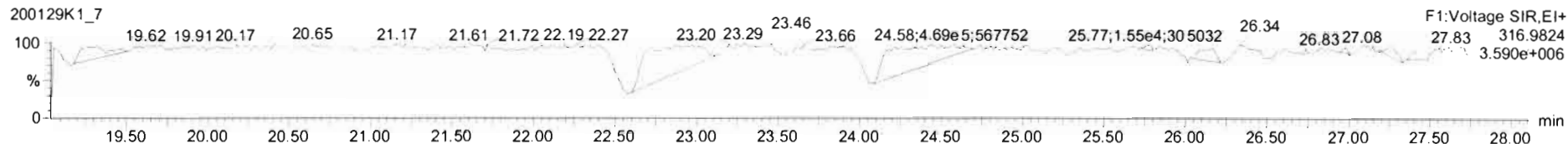


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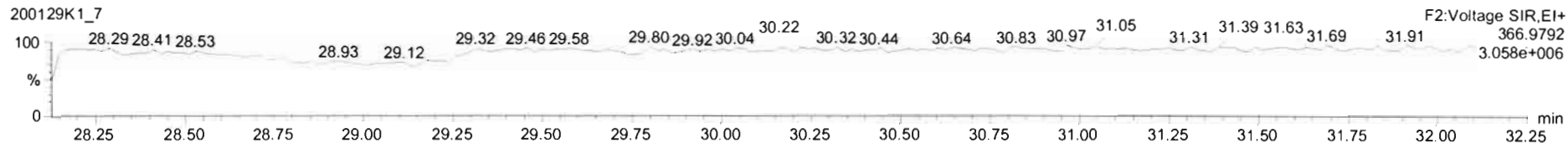
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Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_7, Date: 29-Jan-2020, Time: 20:02:42, ID: 1903650-02 PDI-066SC-B-02-04-191011 18.62, Description: PDI-066SC-B-02-04-191011

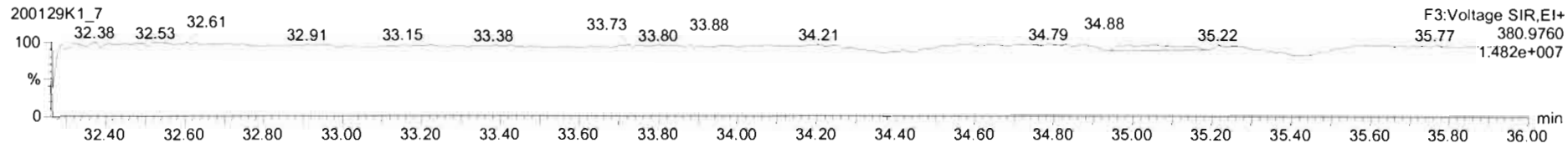
PFK1



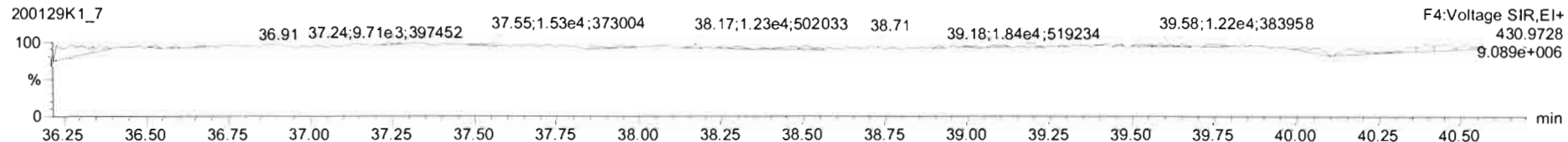
PFK2



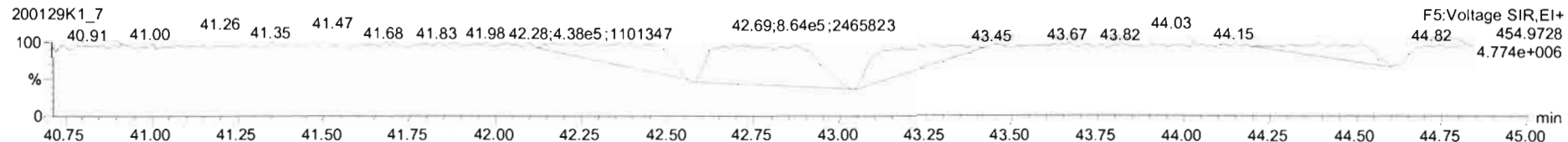
PFK3



PFK4



PFK5



Dataset: U:\VG11.PRO\Results\200129K2\200129K2-16.qld

Last Altered: Thursday, February 06, 2020 10:56:42 Pacific Standard Time
Printed: Thursday, February 06, 2020 10:58:48 Pacific Standard Time

HN 02/06/2020

C7 02/06/2020

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19
Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K2_16, Date: 30-Jan-2020, Time: 15:29:48, ID: 1903650-02@15X PDI-066SC-B-02-04-191011 18.62, Description: PDI-066SC-B-02-04-191011

	#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	6	1,2,3,4,6,7,8-HpCDD	177530.172	1.046	NO	1.06	10.040	38.47	38.47	1.00	1.00	NO	7882		50.2	7882
2	7	OCDD	929597.000	0.887	NO	1.04	10.040	41.68	41.69	1.00	1.00	NO	52990		96.3	52990
3	23	13C-1,2,3,4,6,7,8-HpCDD	4224.144	0.986	NO	0.455	10.040	38.44	38.45	1.13	1.13	NO	64.76	32.5	4.96	
4	24	13C-OCDD	6694.105	0.833	NO	0.371	10.040	41.67	41.68	1.22	1.22	NO	125.7	31.6	3.90	

Dataset: Untitled

Last Altered: Thursday, February 06, 2020 10:32:43 Pacific Standard Time

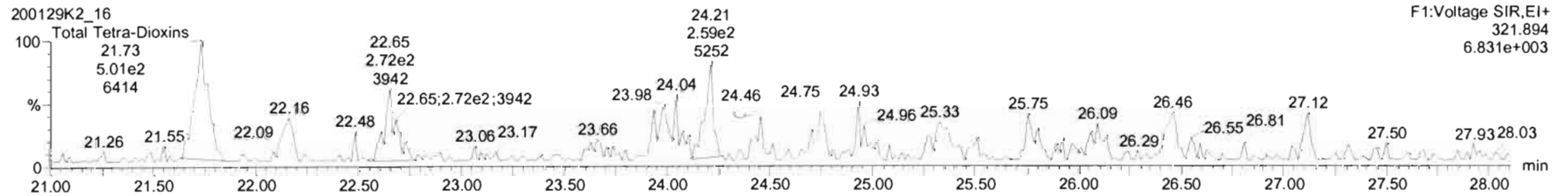
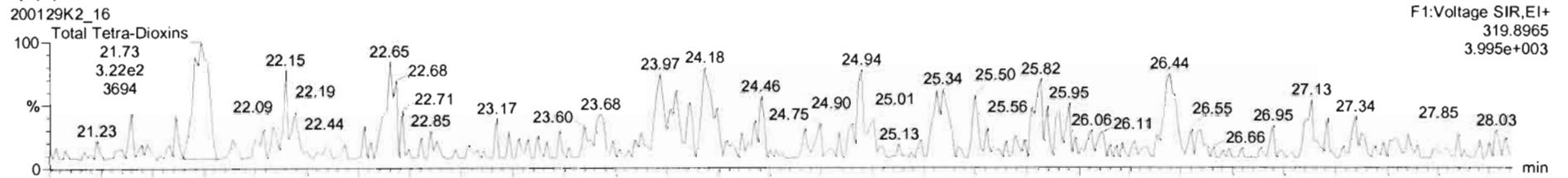
Printed: Thursday, February 06, 2020 10:33:02 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

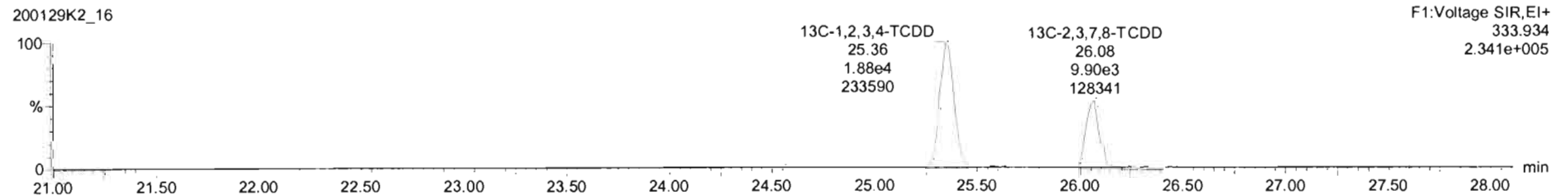
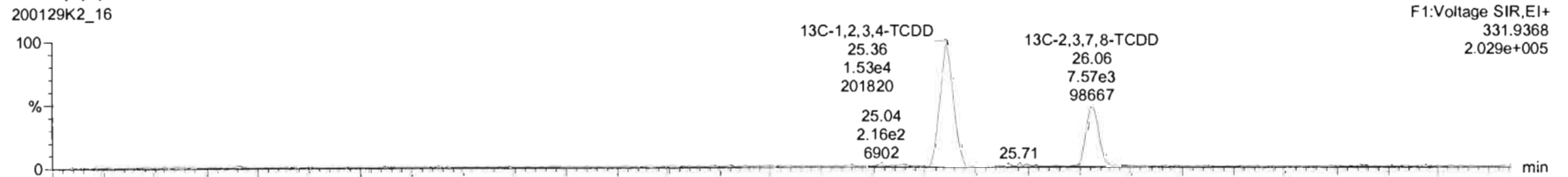
Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K2_16, Date: 30-Jan-2020, Time: 15:29:48, ID: 1903650-02@15X PDI-066SC-B-02-04-191011 18.62, Description: PDI-066SC-B-02-04-191011

2,3,7,8-TCDD



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



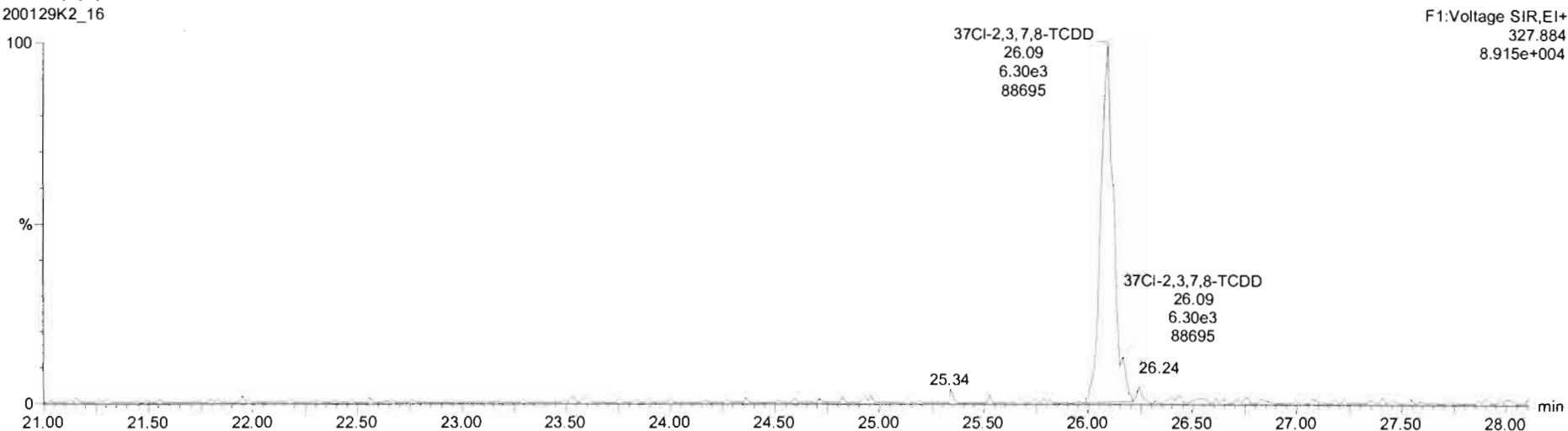
Dataset: Untitled

Last Altered: Thursday, February 06, 2020 10:32:43 Pacific Standard Time
Printed: Thursday, February 06, 2020 10:33:02 Pacific Standard Time

Name: 200129K2_16, Date: 30-Jan-2020, Time: 15:29:48, ID: 1903650-02@15X PDI-066SC-B-02-04-191011 18.62, Description: PDI-066SC-B-02-04-191011

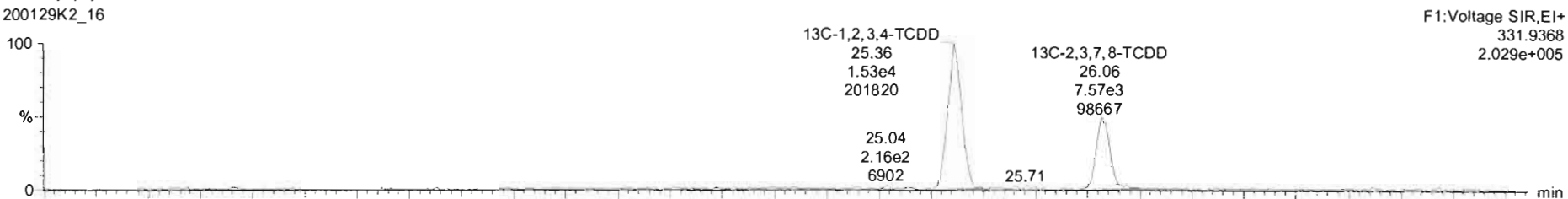
37Cl-2,3,7,8-TCDD

200129K2_16

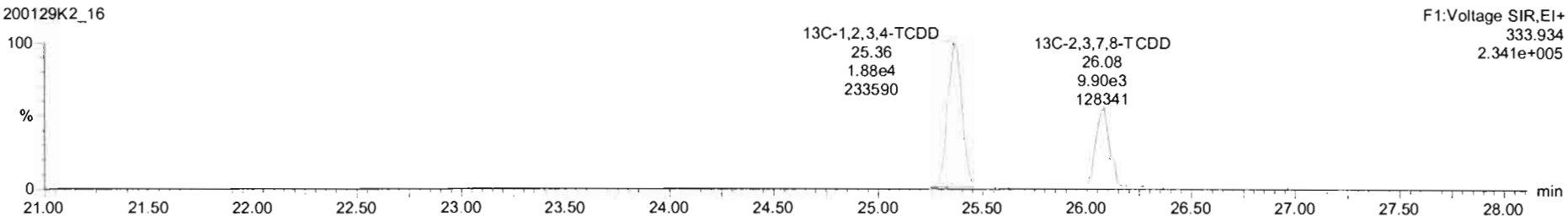


13C-1,2,3,4-TCDD

200129K2_16



200129K2_16



Dataset: Untitled

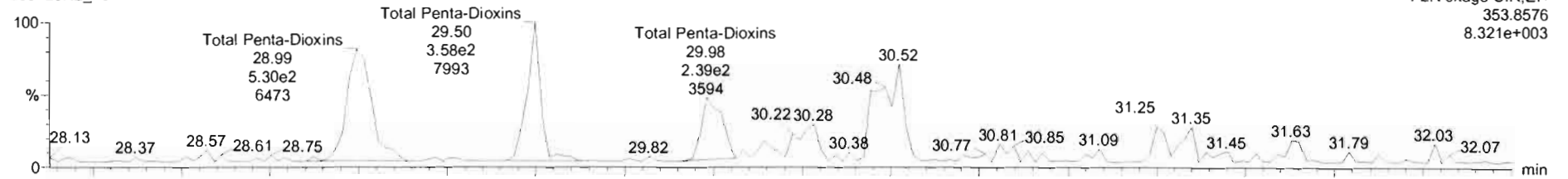
Last Altered: Thursday, February 06, 2020 10:32:43 Pacific Standard Time

Printed: Thursday, February 06, 2020 10:33:02 Pacific Standard Time

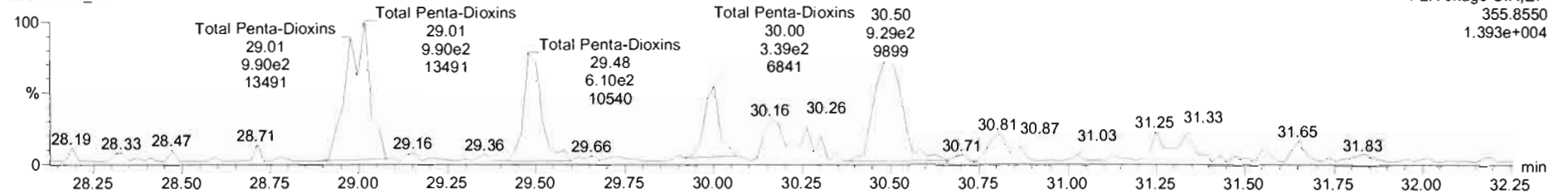
Name: 200129K2_16, Date: 30-Jan-2020, Time: 15:29:48, ID: 1903650-02@15X PDI-066SC-B-02-04-191011 18.62, Description: PDI-066SC-B-02-04-191011

1,2,3,7,8-PeCDD

200129K2_16

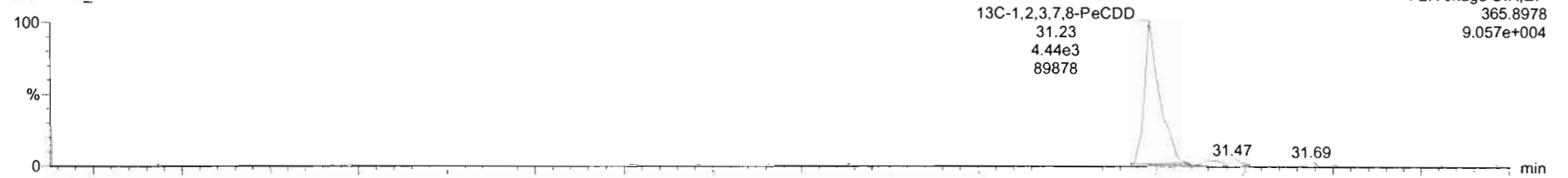


200129K2_16

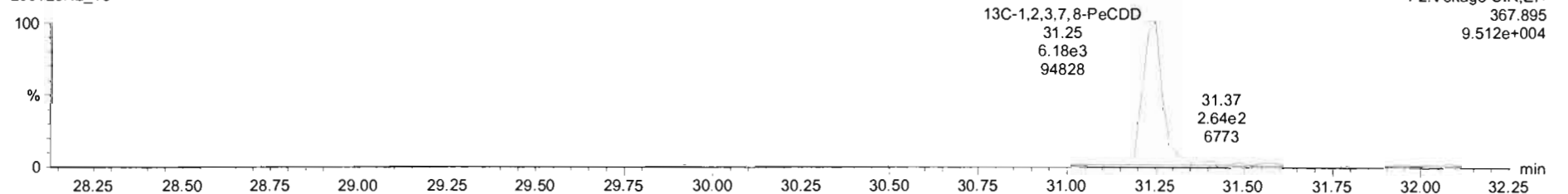


13C-1,2,3,7,8-PeCDD

200129K2_16



200129K2_16



Dataset: Untitled

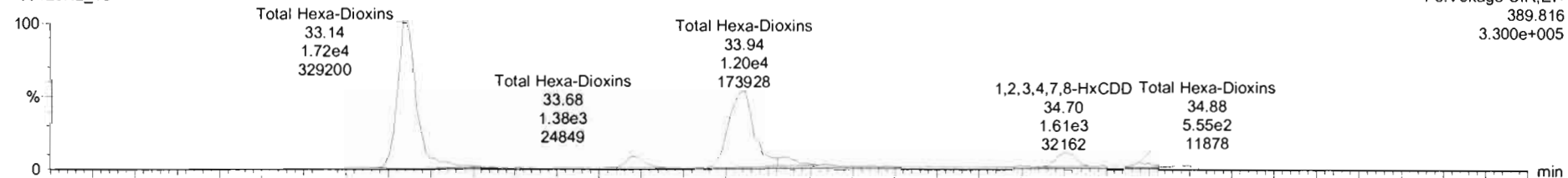
Last Altered: Thursday, February 06, 2020 10:32:43 Pacific Standard Time

Printed: Thursday, February 06, 2020 10:33:02 Pacific Standard Time

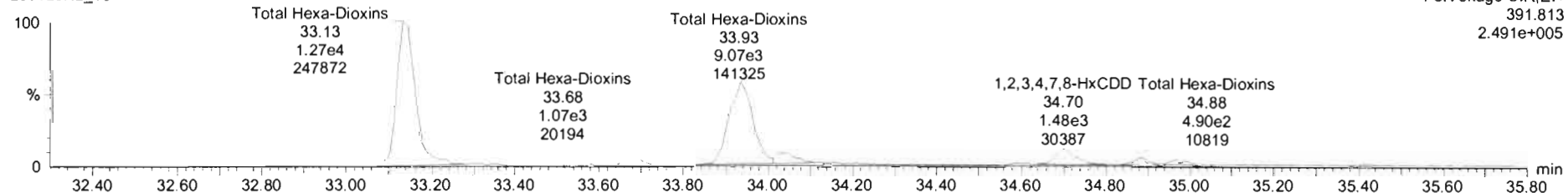
Name: 200129K2_16, Date: 30-Jan-2020, Time: 15:29:48, ID: 1903650-02@15X PDI-066SC-B-02-04-191011 18.62, Description: PDI-066SC-B-02-04-191011

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

200129K2_16

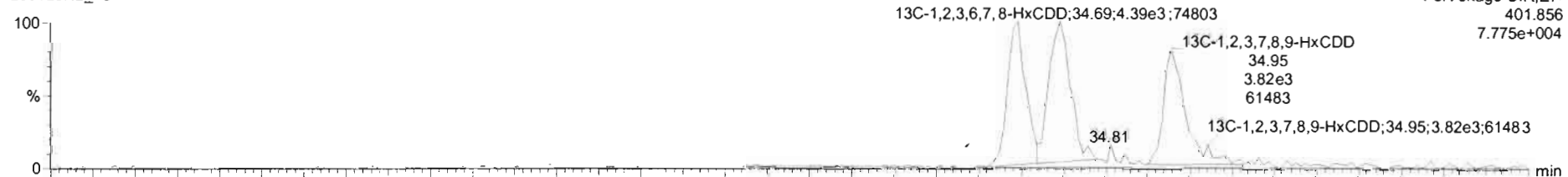


200129K2_16

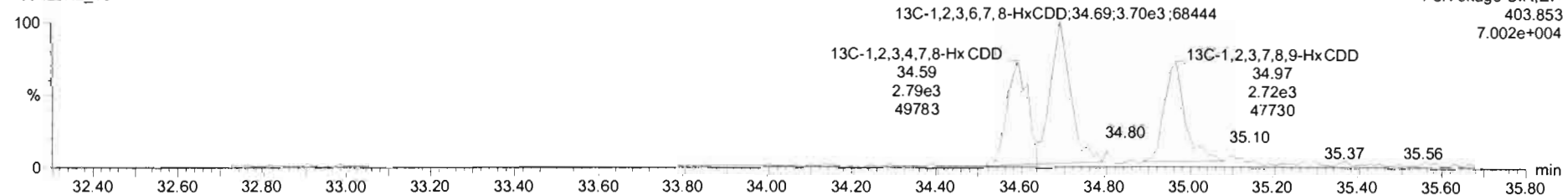


13C-1,2,3,4,7,8-HxCDD

200129K2_16



200129K2_16



Dataset: Untitled

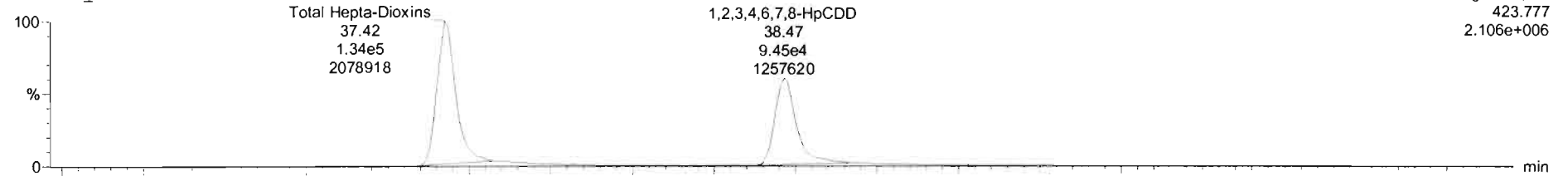
Last Altered: Thursday, February 06, 2020 10:32:43 Pacific Standard Time

Printed: Thursday, February 06, 2020 10:33:02 Pacific Standard Time

Name: 200129K2_16, Date: 30-Jan-2020, Time: 15:29:48, ID: 1903650-02@15X PDI-066SC-B-02-04-191011 18.62, Description: PDI-066SC-B-02-04-191011

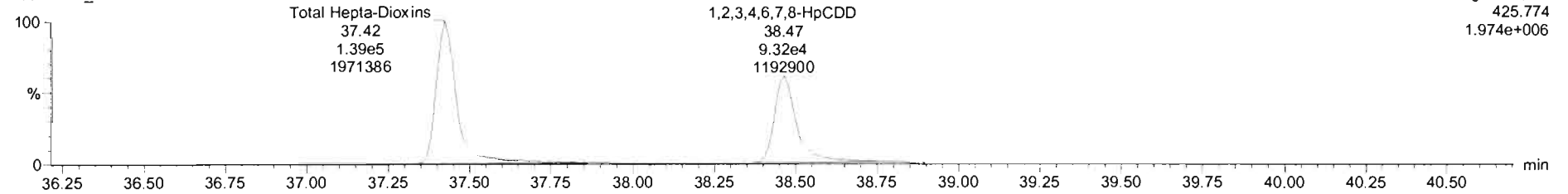
1,2,3,4,6,7,8-HpCDD

200129K2_16



F4:Voltage SIR,EI+
423.777
2.106e+006

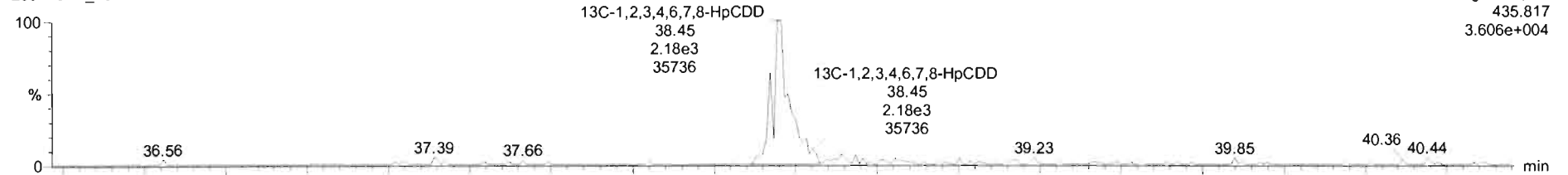
200129K2_16



F4:Voltage SIR,EI+
425.774
1.974e+006

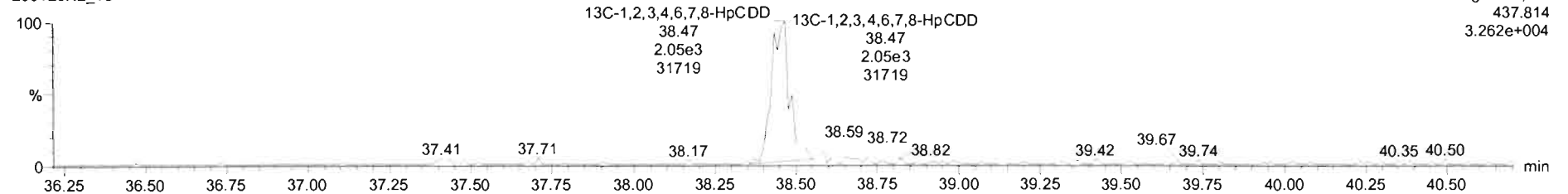
13C-1,2,3,4,6,7,8-HpCDD

200129K2_16

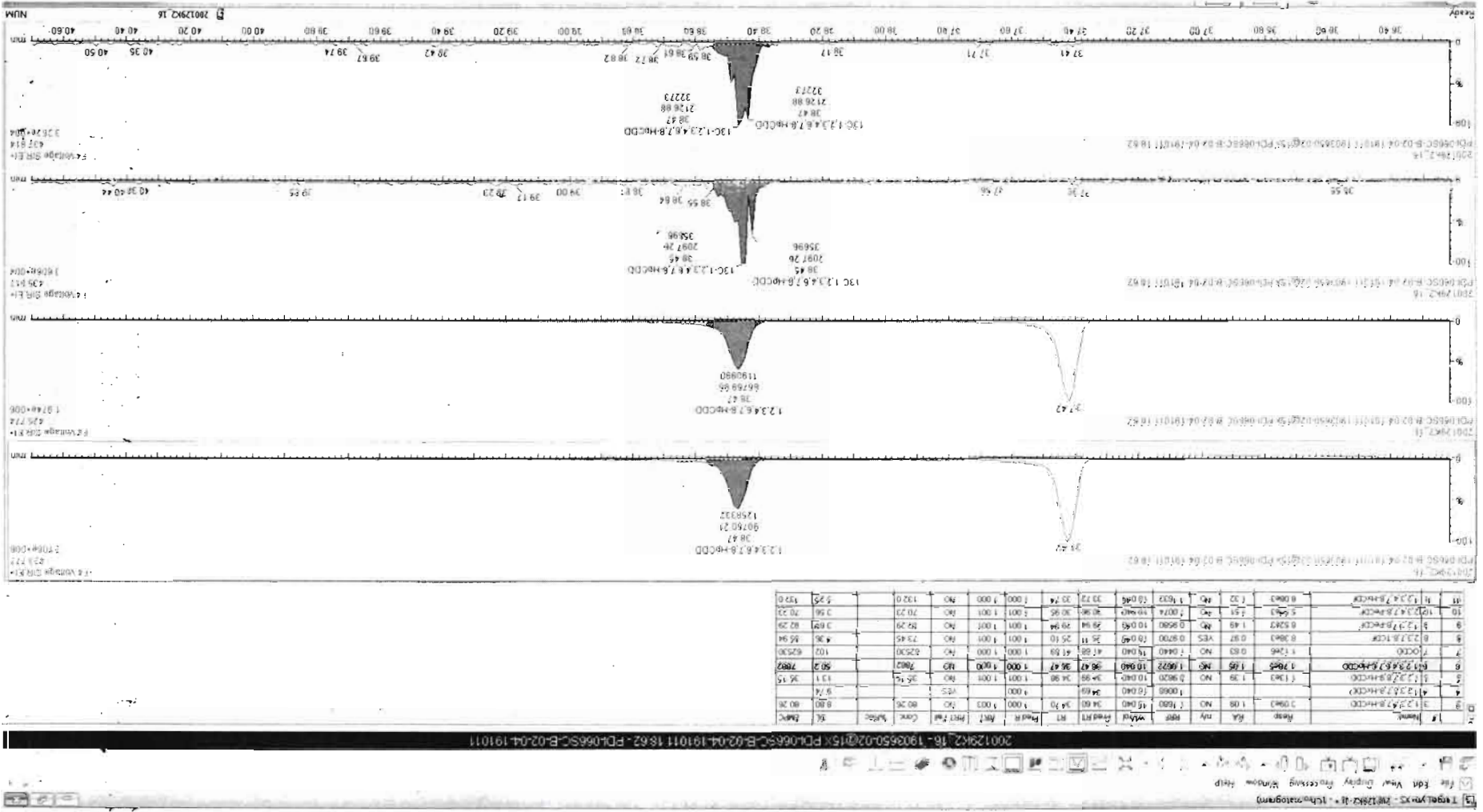


F4:Voltage SIR,EI+
435.817
3.606e+004

200129K2_16



F4:Voltage SIR,EI+
437.814
3.262e+004



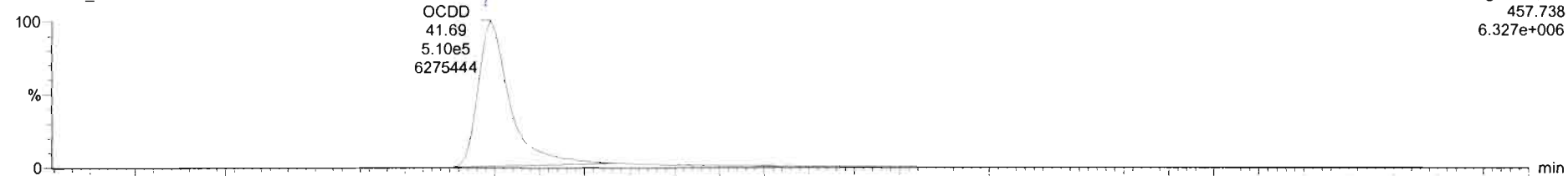
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Last Altered: Thursday, February 06, 2020 10:32:43 Pacific Standard Time
Printed: Thursday, February 06, 2020 10:33:02 Pacific Standard Time

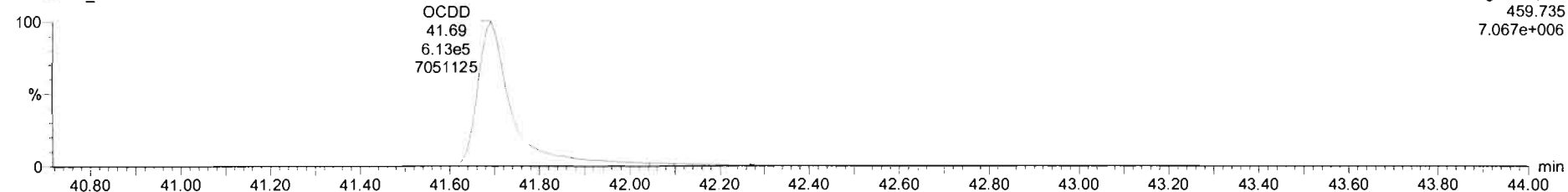
Name: 200129K2_16, Date: 30-Jan-2020, Time: 15:29:48, ID: 1903650-02@15X PDI-066SC-B-02-04-191011 18.62, Description: PDI-066SC-B-02-04-191011

OCDD

200129K2_16

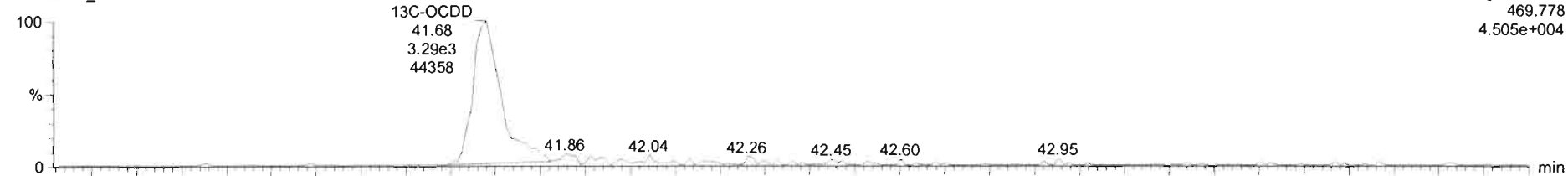


200129K2_16

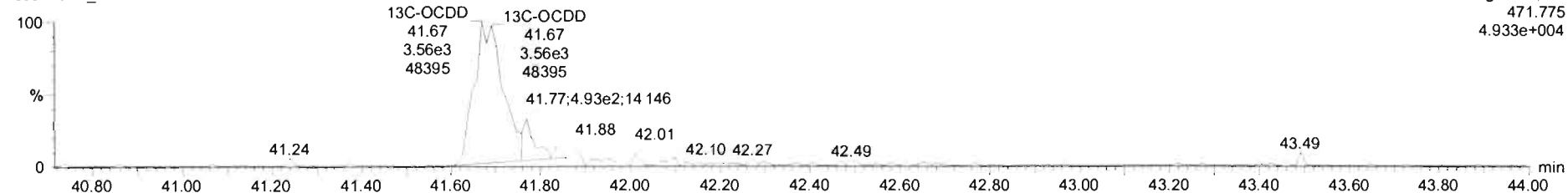


13C-OCDD

200129K2_16

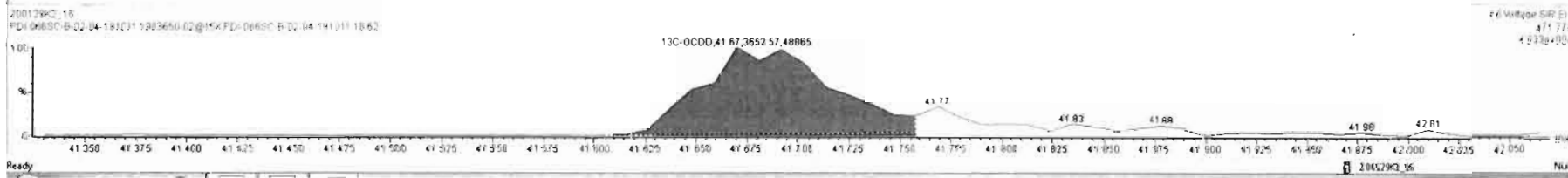
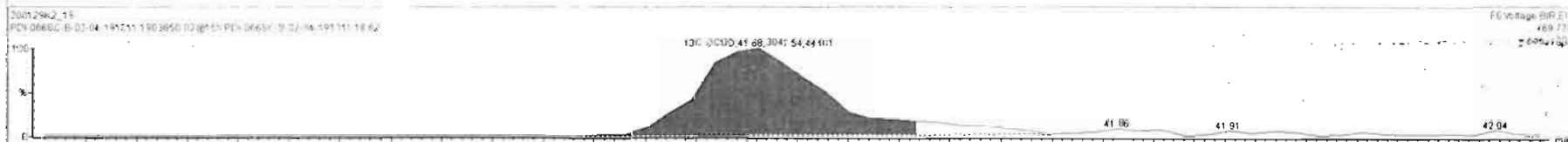
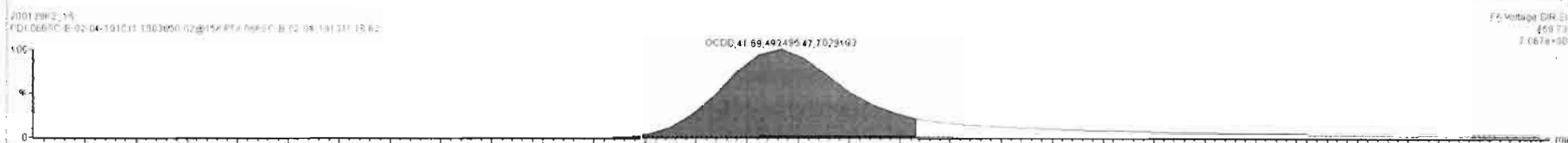
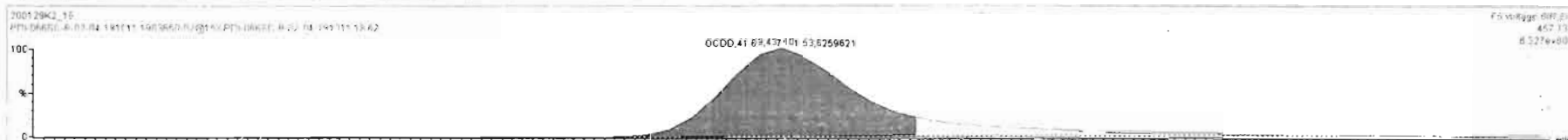


200129K2_16



200129K2_16 - 1903650-02@15%PCI-066SC-B-02-04-191011 18.62 - PCI-066SC-B-02-04-191011

#	Name	Retp	RA	inj	RR	wt/rd	ProdRT	RT	RecR	RR1	RR1 Fail	Conc	%Rec	IX	EMPC
5	5.1,2,3,7,8,9-HxCDD	1.13e3	1.35	NO	0.9020	10.040	34.99	34.98	1.001	1.001	NO	35.15		13.1	35.15
6	6.1,2,3,4,6,7,8-HxCDD	1.70e5	1.05	NO	1.0622	10.040	38.47	38.47	1.000	1.000	NO	7892		50.2	7892
7	7-OCDD	9.30e5	0.89	NO	1.0440	10.040	41.68	41.69	1.000	1.000	NO	52990		96.3	52990
8	8.2,3,7,8-TCDF	8.38e3	0.97	YES	0.9700	10.040	25.11	25.10	1.001	1.001	NO	73.45		4.36	65.94
9	9.1,2,3,7,8-PeCDF	8.52e3	1.49	NO	0.9580	10.040	29.94	29.94	1.001	1.001	NO	92.29		3.89	92.29
10	10.2,3,4,7,8-PeCDF	5.54e3	1.51	NO	1.0074	10.040	30.95	30.95	1.001	1.001	NO	70.23		3.56	70.23
11	11.2,3,4,7,8-HxCDF	0.09e3	1.32	NO	1.1632	10.040	33.72	33.74	1.000	1.000	NO	132.0		5.25	132.0
12	12.1,2,3,6,7,8-HxCDF	1.97e3	1.11	NO	1.1421	10.040	33.86	33.87	1.000	1.001	NO	28.79		5.18	28.79
13	13.2,3,4,6,7,8-HxCDF	1.04e3	1.40	NO	1.2131	10.040	34.45	34.43	1.001	1.000	NO	15.51		6.14	15.51



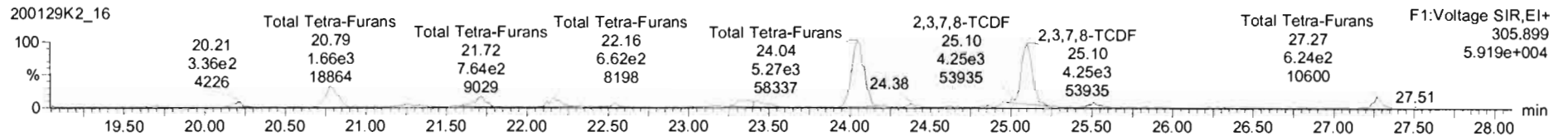
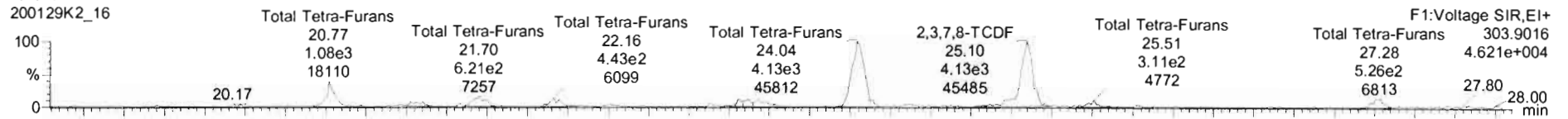
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Last Altered: Thursday, February 06, 2020 10:32:43 Pacific Standard Time

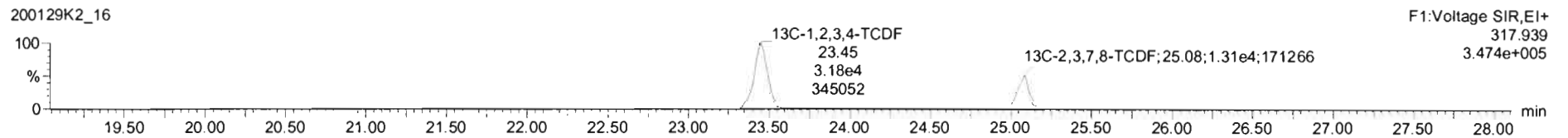
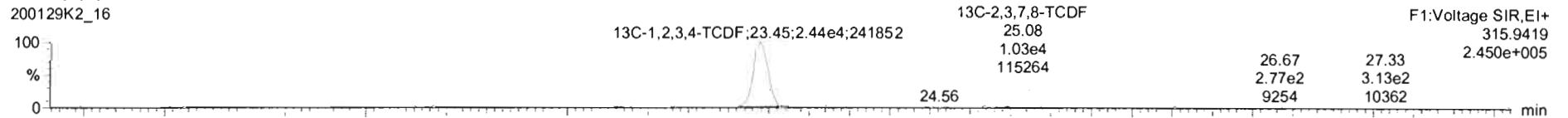
Printed: Thursday, February 06, 2020 10:33:02 Pacific Standard Time

Name: 200129K2_16, Date: 30-Jan-2020, Time: 15:29:48, ID: 1903650-02@15X PDI-066SC-B-02-04-191011 18.62, Description: PDI-066SC-B-02-04-191011

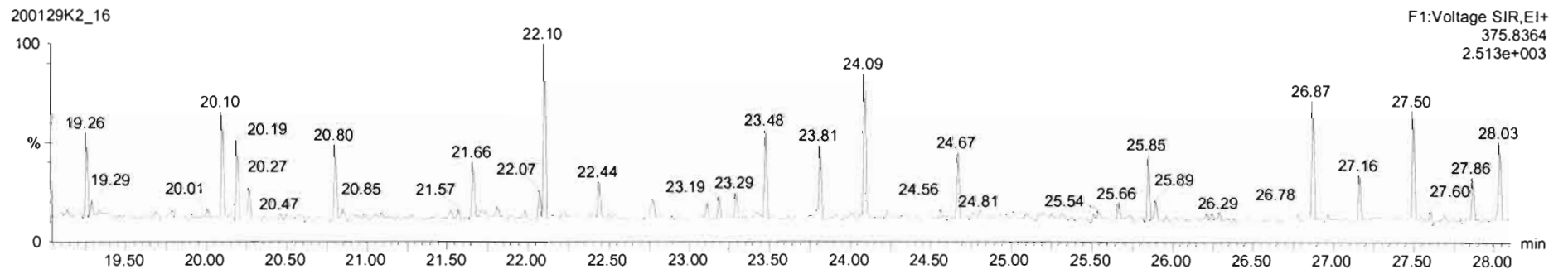
2,3,7,8-TCDF



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



DPE1



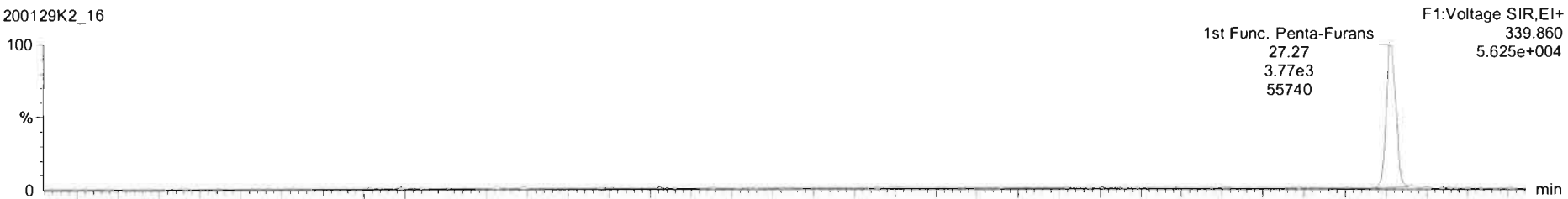
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Last Altered: Thursday, February 06, 2020 10:32:43 Pacific Standard Time
Printed: Thursday, February 06, 2020 10:33:02 Pacific Standard Time

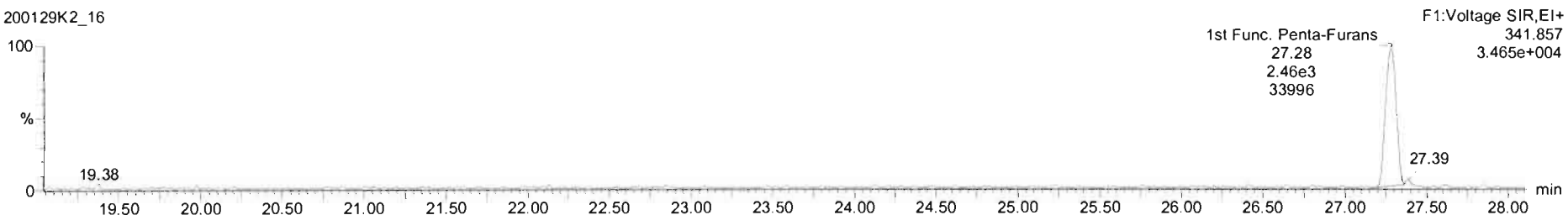
Name: 200129K2_16, Date: 30-Jan-2020, Time: 15:29:48, ID: 1903650-02@15X PDI-066SC-B-02-04-191011 18.62, Description: PDI-066SC-B-02-04-191011

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200129K2_16

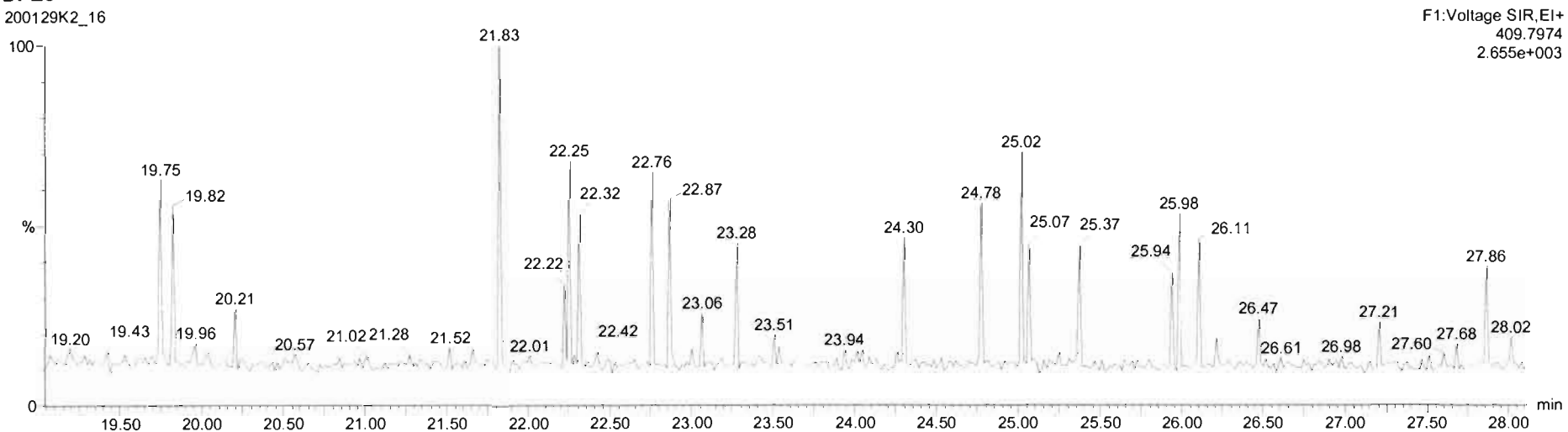


200129K2_16



DPE6

200129K2_16



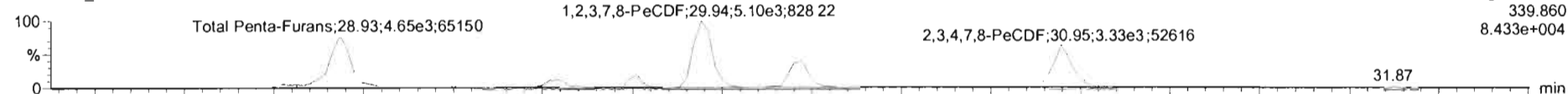
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Last Altered: Thursday, February 06, 2020 10:32:43 Pacific Standard Time
Printed: Thursday, February 06, 2020 10:33:02 Pacific Standard Time

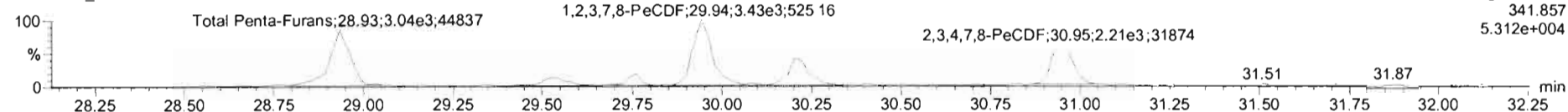
Name: 200129K2_16, Date: 30-Jan-2020, Time: 15:29:48, ID: 1903650-02@15X PDI-066SC-B-02-04-191011 18.62, Description: PDI-066SC-B-02-04-191011

1,2,3,7,8-PeCDF

200129K2_16

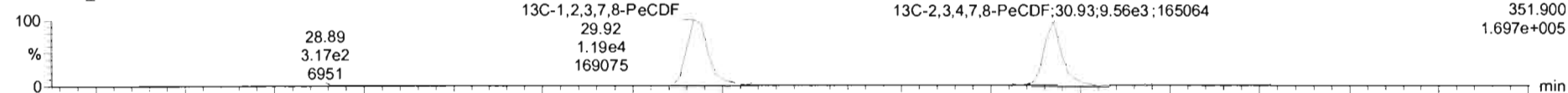


200129K2_16

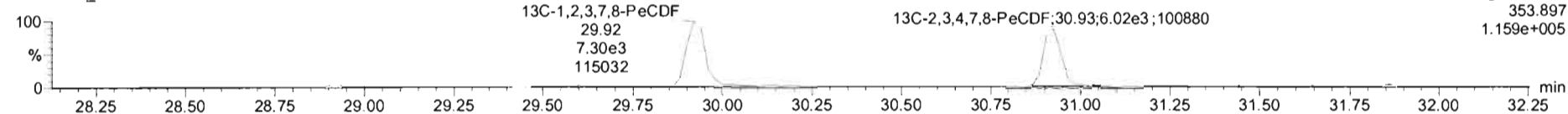


13C-1,2,3,7,8-PeCDF

200129K2_16

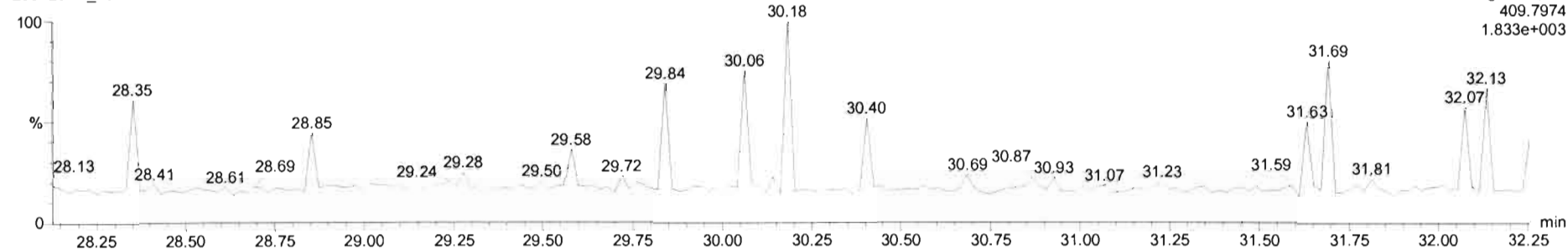


200129K2_16



DPE2

200129K2_16

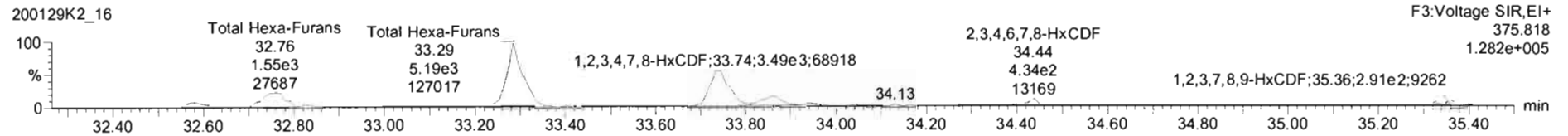
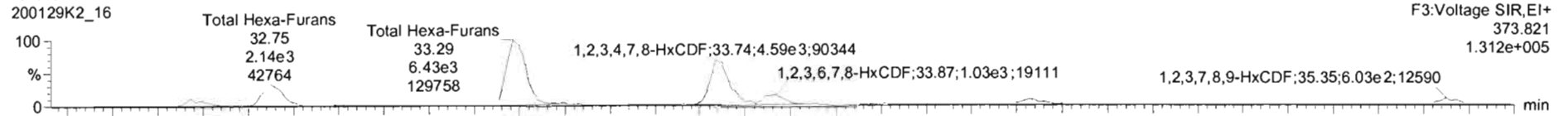


Dataset: Untitled

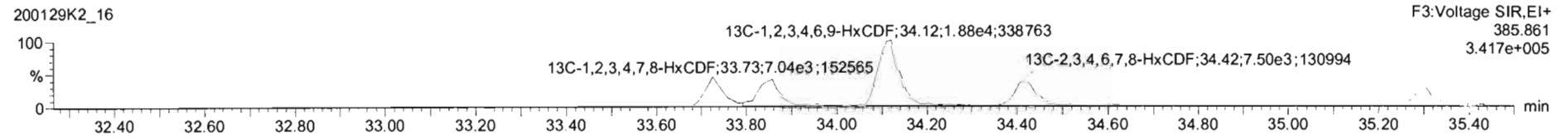
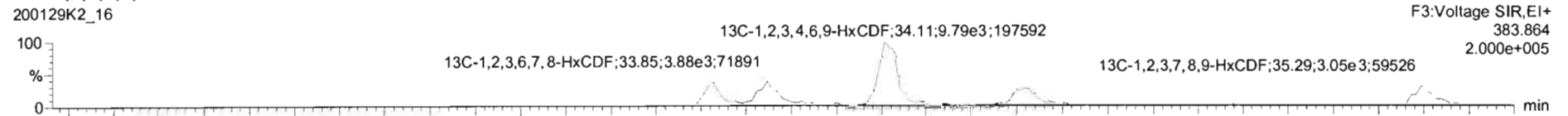
Last Altered: Thursday, February 06, 2020 10:32:43 Pacific Standard Time
Printed: Thursday, February 06, 2020 10:33:02 Pacific Standard Time

Name: 200129K2_16, Date: 30-Jan-2020, Time: 15:29:48, ID: 1903650-02@15X PDI-066SC-B-02-04-191011 18.62, Description: PDI-066SC-B-02-04-191011

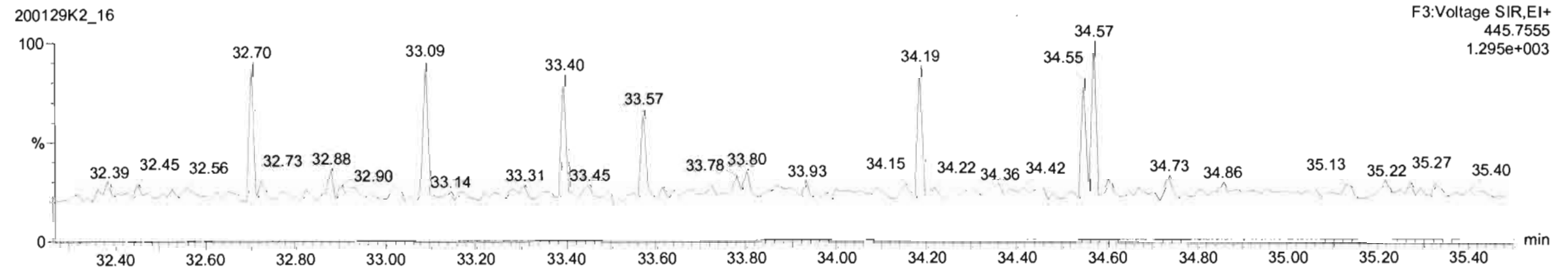
1,2,3,4,7,8-HxCDF



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



DPE3

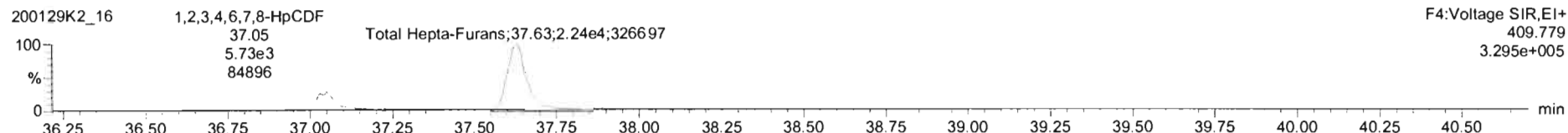
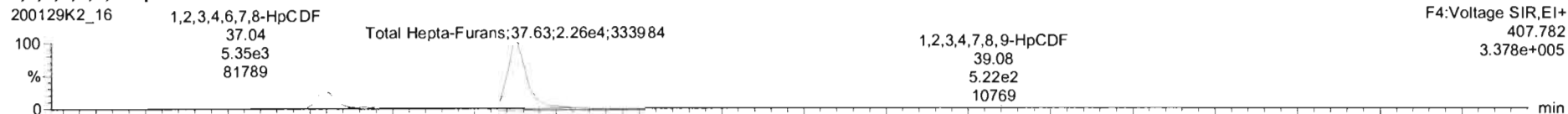


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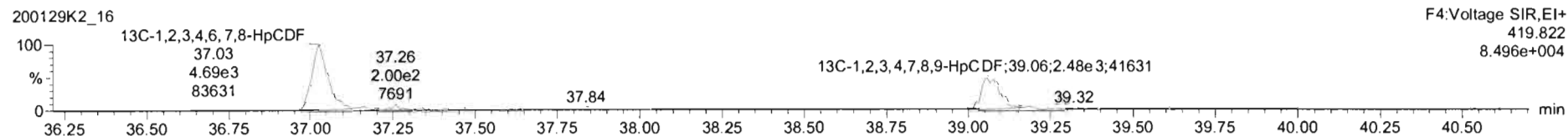
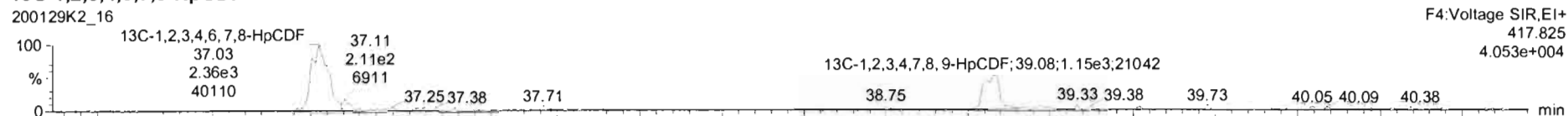
Last Altered: Thursday, February 06, 2020 10:32:43 Pacific Standard Time
Printed: Thursday, February 06, 2020 10:33:02 Pacific Standard Time

Name: 200129K2_16, Date: 30-Jan-2020, Time: 15:29:48, ID: 1903650-02@15X PDI-066SC-B-02-04-191011 18.62, Description: PDI-066SC-B-02-04-191011

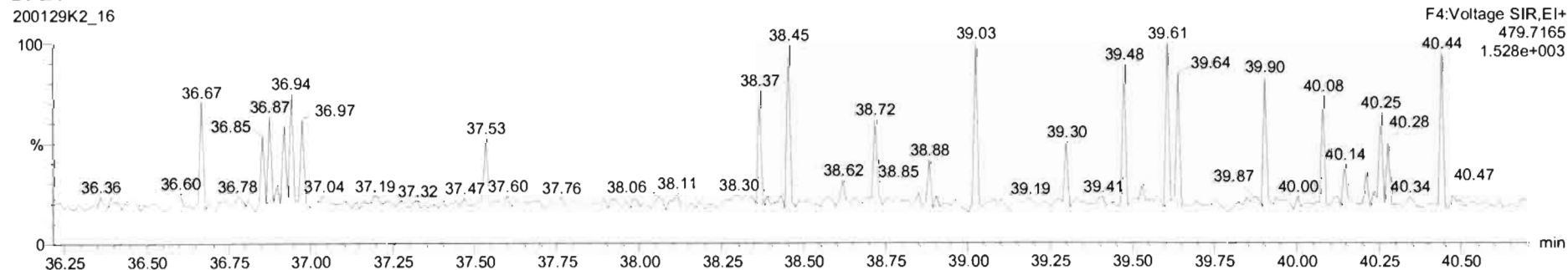
1,2,3,4,6,7,8-HpCDF



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



DPE4

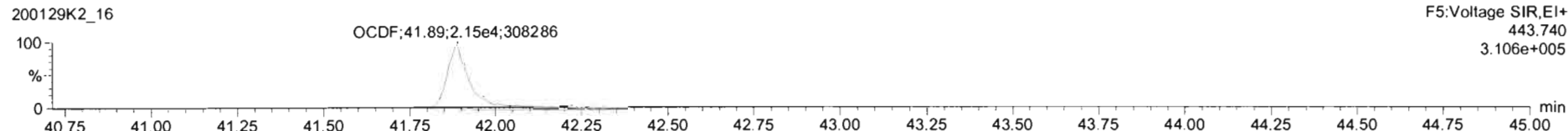
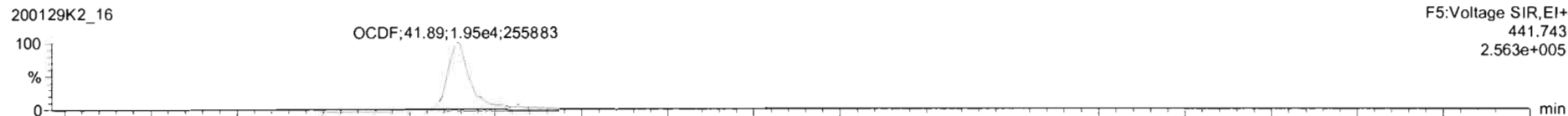


Dataset: Untitled

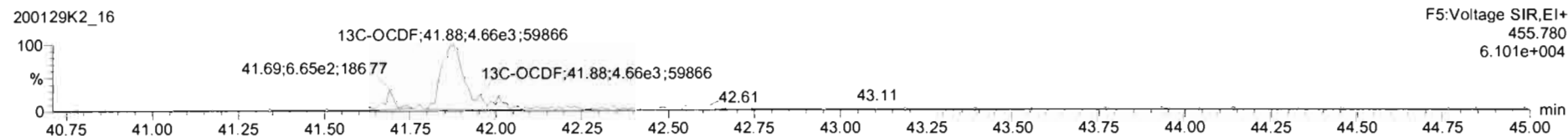
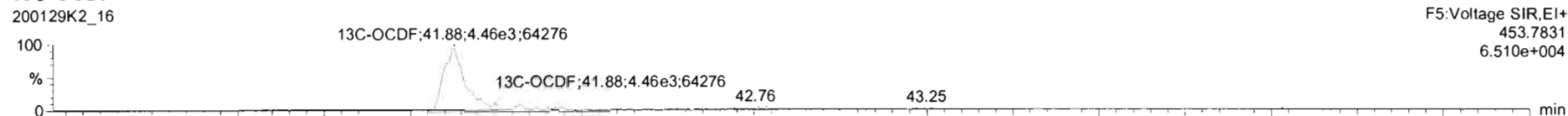
Last Altered: Thursday, February 06, 2020 10:32:43 Pacific Standard Time
Printed: Thursday, February 06, 2020 10:33:02 Pacific Standard Time

Name: 200129K2_16, Date: 30-Jan-2020, Time: 15:29:48, ID: 1903650-02@15X PDI-066SC-B-02-04-191011 18.62, Description: PDI-066SC-B-02-04-191011

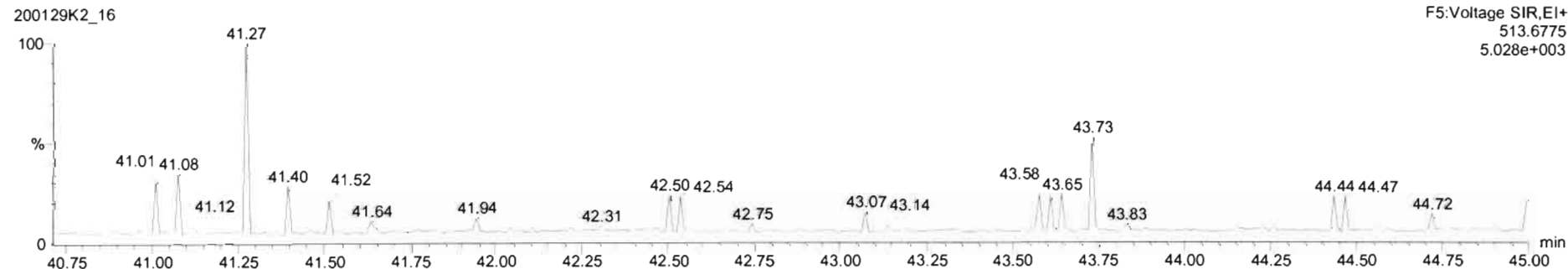
OCDF



13C-OCDF



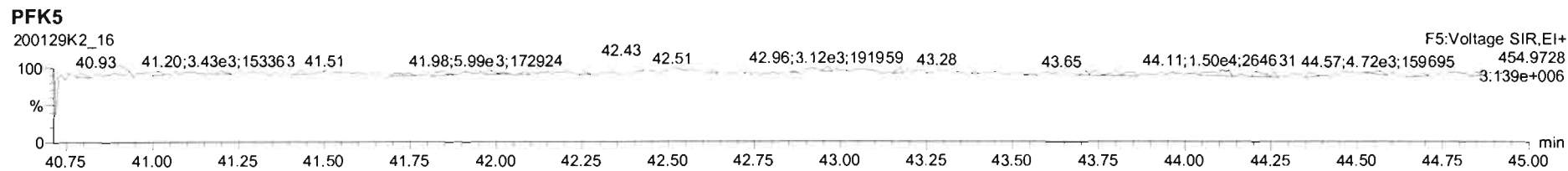
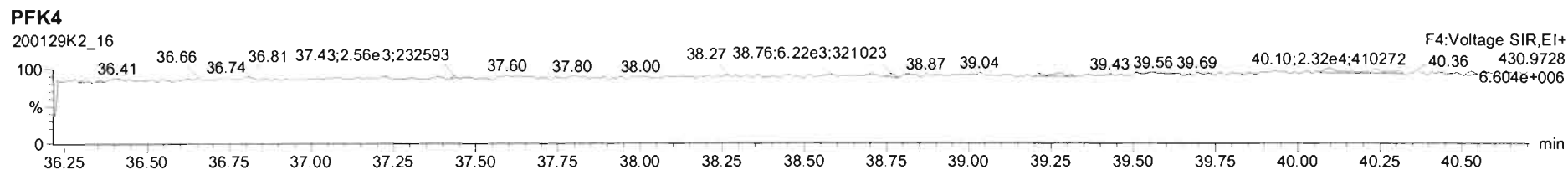
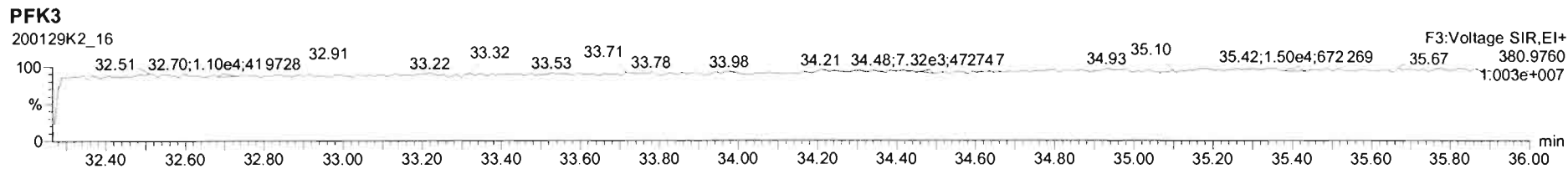
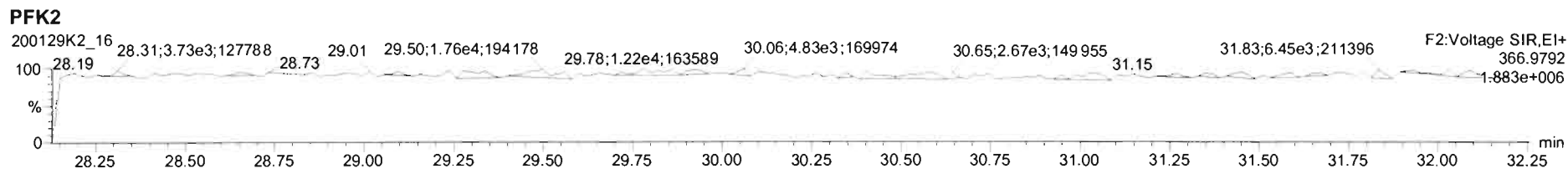
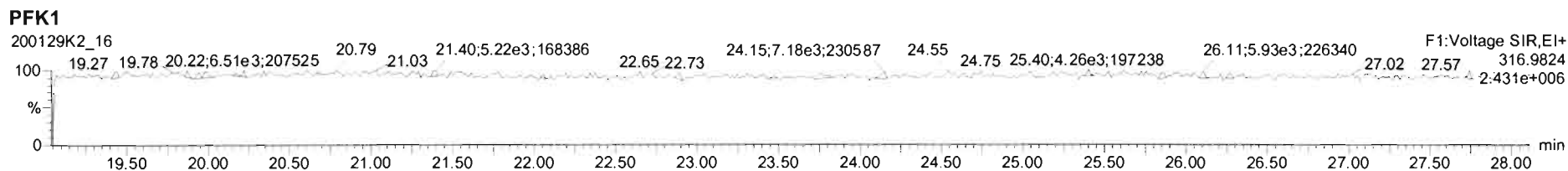
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Last Altered: Thursday, February 06, 2020 10:32:43 Pacific Standard Time
Printed: Thursday, February 06, 2020 10:33:02 Pacific Standard Time

Name: 200129K2_16, Date: 30-Jan-2020, Time: 15:29:48, ID: 1903650-02@15X PDI-066SC-B-02-04-191011 18.62, Description: PDI-066SC-B-02-04-191011



Dataset: U:\VG11.PRO\Results\200129K1\200129K1-8.qld

Last Altered: Friday, February 07, 2020 12:55:14 Pacific Standard Time

Printed: Friday, February 07, 2020 13:00:55 Pacific Standard Time

HN 02/07/2020

CT 02/19/2020

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_8, Date: 29-Jan-2020, Time: 20:50:02, ID: 1903650-03 PDI-066SC-B-04-06-191011 17.42, Description: PDI-066SC-B-04-06-191011

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	2025.494	0.925	YES	0.943	10.011	26.12	26.11	1.00	1.00	NO	0.7191		0.267	0.6611
2	2 1,2,3,7,8-PeCDD	4005.210	0.682	NO	0.897	10.011	31.27	31.27	1.00	1.00	NO	2.361		0.235	2.361
3	3 1,2,3,4,7,8-HxCDD	2467.294	0.957	YES	1.17	10.011	34.60	34.61	1.00	1.00	NO	1.801		0.489	1.591
4	4 1,2,3,6,7,8-HxCDD	16526.224	1.260	NO	1.01	10.011	34.70	34.71	1.00	1.00	NO	9.845		0.451	9.845
5	5 1,2,3,7,8,9-HxCDD	4908.525	1.315	NO	0.982	10.011	35.01	34.99	1.00	1.00	NO	3.966		0.577	3.966
6	6 1,2,3,4,6,7,8-HpCDD	325778.390	1.049	NO	1.06	10.011	38.47	38.48	1.00	1.00	NO	312.2		2.37	312.2
7	7 OCDD	4311299.8...	0.885	NO	1.04	10.011	41.71	41.72	1.00	1.00	NO	5050		3.63	5050
8	8 2,3,7,8-TCDF	19488.096	0.801	NO	0.970	10.011	25.11	25.13	1.00	1.00	NO	5.726		0.396	5.726
9	9 1,2,3,7,8-PeCDF	9544.210	1.669	NO	0.958	10.011	29.96	29.96	1.00	1.00	NO	3.183		0.199	3.183
10	10 2,3,4,7,8-PeCDF	46919.170	1.451	NO	1.01	10.011	30.96	30.99	1.00	1.00	NO	18.43		0.238	18.43
11	11 1,2,3,4,7,8-HxCDF	17776.365	1.231	NO	1.16	10.011	33.74	33.75	1.00	1.00	NO	7.425		0.258	7.425
12	12 1,2,3,6,7,8-HxCDF	15440.381	1.347	NO	1.14	10.011	33.87	33.87	1.00	1.00	NO	5.958		0.263	5.958
13	13 2,3,4,6,7,8-HxCDF	17904.363	1.178	NO	1.21	10.011	34.46	34.44	1.00	1.00	NO	9.799		0.331	9.799
14	14 1,2,3,7,8,9-HxCDF	4135.779	1.436	YES	1.13	10.011	35.31	35.37	1.00	1.00	NO	2.485		0.424	2.294
15	15 1,2,3,4,6,7,8-HpCDF	261336.398	1.044	NO	1.19	10.011	37.08	37.05	1.00	1.00	NO	150.3		0.809	150.3
16	16 1,2,3,4,7,8,9-HpCDF	4557.131	1.010	NO	1.39	10.011	39.07	39.09	1.00	1.00	NO	3.649		1.09	3.649
17	17 OCDF	230197.039	0.871	NO	1.06	10.011	41.90	41.92	1.00	1.00	NO	229.5		1.16	229.5
18	18 13C-2,3,7,8-TCDD	596669.313	0.787	NO	1.17	10.011	26.07	26.09	1.03	1.03	NO	111.2	55.7	0.328	
19	19 13C-1,2,3,7,8-PeCDD	377703.485	0.626	NO	0.773	10.011	31.25	31.25	1.23	1.23	NO	106.9	53.5	0.437	
20	20 13C-1,2,3,4,7,8-HxCDD	234328.079	1.301	NO	0.600	10.011	34.59	34.59	1.01	1.01	NO	81.95	41.0	0.335	
21	21 13C-1,2,3,6,7,8-HxCDD	333074.360	1.275	NO	0.763	10.011	34.69	34.70	1.02	1.02	NO	91.56	45.8	0.264	
22	22 13C-1,2,3,7,8,9-HxCDD	251817.445	1.242	NO	0.676	10.011	34.96	34.98	1.02	1.03	NO	78.15	39.1	0.298	
23	23 13C-1,2,3,4,6,7,8-HpCDD	196247.430	1.063	NO	0.455	10.011	38.46	38.46	1.13	1.13	NO	90.49	45.3	0.601	
24	24 13C-OCDD	326713.766	0.890	NO	0.371	10.011	41.68	41.71	1.22	1.22	NO	184.6	46.2	0.746	
25	25 13C-2,3,7,8-TCDF	700940.407	0.802	NO	1.07	10.011	25.08	25.08	0.99	0.99	NO	102.1	51.1	0.534	
26	26 13C-1,2,3,7,8-PeCDF	625266.751	1.554	NO	0.765	10.011	29.94	29.94	1.18	1.18	NO	127.3	63.7	0.950	
27	27 13C-2,3,4,7,8-PeCDF	504906.515	1.554	NO	0.726	10.011	30.94	30.93	1.22	1.22	NO	108.3	54.2	1.00	
28	28 13C-1,2,3,4,7,8-HxCDF	411218.563	0.518	NO	0.965	10.011	33.73	33.74	0.99	0.99	NO	89.41	44.8	0.454	
29	29 13C-1,2,3,6,7,8-HxCDF	452955.609	0.512	NO	1.09	10.011	33.85	33.86	0.99	0.99	NO	86.88	43.5	0.400	
30	30 13C-2,3,4,6,7,8-HxCDF	300902.172	0.512	NO	0.984	10.011	34.42	34.43	1.01	1.01	NO	64.18	32.1	0.445	
31	31 13C-1,2,3,7,8,9-HxCDF	291821.890	0.529	NO	0.790	10.011	35.32	35.31	1.04	1.03	NO	77.46	38.8	0.554	

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-8.qld

Last Altered: Friday, February 07, 2020 12:55:14 Pacific Standard Time

Printed: Friday, February 07, 2020 13:00:55 Pacific Standard Time

Name: 200129K1_8, Date: 29-Jan-2020, Time: 20:50:02, ID: 1903650-03 PDI-066SC-B-04-06-191011 17.42, Description: PDI-066SC-B-04-06-191011

	# Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	292107.985	0.447	NO	0.734	10.011	37.03	37.04	1.09	1.09	NO	83.54	41.8	0.488	
33	33 13C-1,2,3,4,7,8,9-HpCDF	179554.321	0.437	NO	0.459	10.011	39.06	39.07	1.14	1.15	NO	82.11	41.1	0.780	
34	34 13C-OCDF	377643.765	0.891	NO	0.500	10.011	41.92	41.90	1.23	1.23	NO	158.4	39.6	0.583	
35	35 37Cl-2,3,7,8-TCDD	221731.016			1.12	10.011	26.09	26.12	1.03	1.03	NO	43.13	54.0	0.140	
36	36 13C-1,2,3,4-TCDD	913436.813	0.768	NO	1.00	10.011	25.36	25.37	1.00	1.00	NO	199.8	100	0.385	
37	37 13C-1,2,3,4-TCDF	1282805.5...	0.786	NO	1.00	10.011	23.43	23.46	1.00	1.00	NO	199.8	100	0.571	
38	38 13C-1,2,3,4,6,9-HxCDF	952312.313	0.540	NO	1.00	10.011	34.10	34.12	1.00	1.00	NO	199.8	100	0.438	
39	39 Total Tetra-Dioxins				0.943	10.011	24.62		0.00		NO	9.870		0.267	11.71
40	40 Total Penta-Dioxins				0.897	10.011	29.96		0.00		NO	37.17		0.235	40.01
41	41 Total Hexa-Dioxins				1.01	10.011	33.63		0.00		NO	103.2		0.519	105.2
42	42 Total Hepta-Dioxins				1.06	10.011	38.80		0.00		NO	836.2		2.37	836.2
43	43 Total Tetra-Furans				0.970	10.011	23.61		0.00		NO	120.0		0.396	120.0
44	44 1st Func. Penta-Furans				0.958	10.011	27.04		0.00		NO	151.6		0.0894	151.6
45	45 Total Penta-Furans				0.958	10.011	29.27		0.00		NO	111.2		0.222	113.9
46	46 Total Hexa-Furans				1.21	10.011	33.56		0.00		NO	220.8		0.295	223.7
47	47 Total Hepta-Furans				1.19	10.011	37.83		0.00		NO	406.4		0.985	406.4

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-8.qld

Last Altered: Friday, February 07, 2020 12:55:14 Pacific Standard Time

Printed: Friday, February 07, 2020 13:06:35 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_8, Date: 29-Jan-2020, Time: 20:50:02, ID: 1903650-03 PDI-066SC-B-04-06-191011 17.42, Description: PDI-066SC-B-04-06-191011

Tetra-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	39 Total Tetra-Dioxins	8.07e2	5.97e5	0.828	NO	24.62	27.12	0.2865	0.2865
2	39 Total Tetra-Dioxins	1.61e3	5.97e5	0.709	NO	24.62	26.44	0.5725	0.5725
3	1 2,3,7,8-TCDD	2.03e3	5.97e5	0.925	YES	26.12	26.11	0.0000	0.6611
4	39 Total Tetra-Dioxins	0.00e0	5.97e5	1.017	YES	24.62	25.82	0.0000	0.7576
5	39 Total Tetra-Dioxins	0.00e0	5.97e5	1.135	YES	24.62	24.98	0.0000	0.4243
6	39 Total Tetra-Dioxins	9.57e2	5.97e5	0.713	NO	24.62	24.44	0.3397	0.3397
7	39 Total Tetra-Dioxins	3.77e3	5.97e5	0.845	NO	24.62	24.19	1.340	1.340
8	39 Total Tetra-Dioxins	4.59e3	5.97e5	0.771	NO	24.62	23.98	1.629	1.629
9	39 Total Tetra-Dioxins	2.92e3	5.97e5	0.731	NO	24.62	22.16	1.038	1.038
10	39 Total Tetra-Dioxins	1.18e3	5.97e5	0.840	NO	24.62	22.70	0.4187	0.4187
11	39 Total Tetra-Dioxins	1.20e4	5.97e5	0.746	NO	24.62	21.76	4.245	4.245

Penta-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	40 Total Penta-Dioxins	1.56e3	3.78e5	0.582	NO	29.96	31.65	0.9173	0.9173
2	40 Total Penta-Dioxins	1.19e3	3.78e5	0.670	NO	29.96	31.35	0.7018	0.7018
3	2 1,2,3,7,8-PeCDD	4.01e3	3.78e5	0.682	NO	31.27	31.27	2.361	2.361
4	40 Total Penta-Dioxins	1.34e3	3.78e5	0.609	NO	29.96	30.85	0.7911	0.7911
5	40 Total Penta-Dioxins	6.44e3	3.78e5	0.574	NO	29.96	30.52	3.799	3.799
6	40 Total Penta-Dioxins	0.00e0	3.78e5	0.745	YES	29.96	30.26	0.0000	2.840
7	40 Total Penta-Dioxins	6.63e3	3.78e5	0.655	NO	29.96	30.18	3.906	3.906
8	40 Total Penta-Dioxins	1.75e4	3.78e5	0.716	NO	29.96	30.02	10.33	10.33
9	40 Total Penta-Dioxins	2.38e3	3.78e5	0.625	NO	29.96	29.50	1.406	1.406
10	40 Total Penta-Dioxins	2.20e4	3.78e5	0.650	NO	29.96	29.01	12.96	12.96

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-8.qld

Last Altered: Tuesday, February 11, 2020 10:42:00 Pacific Standard Time

Printed: Tuesday, February 11, 2020 13:00:11 Pacific Standard Time

Name: 200129K1_8, Date: 29-Jan-2020, Time: 20:50:02, ID: 1903650-03 PDI-066SC-B-04-06-191011 17.42, Description: PDI-066SC-B-04-06-191011

Hexa-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	5 1,2,3,7,8,9-HxCDD	4.91e3	2.52e5	1.315	NO	35.01	34.99	3.966	3.966
2	41 Total Hexa-Dioxins	1.50e3	0.00e0	1.173	NO	33.63	34.90	1.090	1.090
3	4 1,2,3,6,7,8-HxCDD	1.65e4	3.33e5	1.260	NO	34.70	34.71	9.845	9.845
4	3 1,2,3,4,7,8-HxCDD	2.47e3	2.34e5	0.957	YES	34.60	34.61	0.0000	1.591
5	41 Total Hexa-Dioxins	6.38e4	0.00e0	1.242	NO	33.63	33.94	46.39	46.39
6	41 Total Hexa-Dioxins	9.74e3	0.00e0	1.244	NO	33.63	33.69	7.081	7.081
7	41 Total Hexa-Dioxins	4.79e4	0.00e0	1.270	NO	33.63	33.15	34.79	34.79

Hepta-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	6 1,2,3,4,6,7,8-HpCDD	3.26e5	1.96e5	1.049	NO	38.47	38.48	312.2	312.2
2	42 Total Hepta-Dioxins	5.47e5	1.96e5	1.050	NO	38.80	37.43	524.0	524.0

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Dataset: U:\VG11.PRO\Results\200129K1\200129K1-8.qld

Last Altered: Friday, February 07, 2020 12:55:14 Pacific Standard Time

Printed: Friday, February 07, 2020 13:06:35 Pacific Standard Time

Name: 200129K1_8, Date: 29-Jan-2020, Time: 20:50:02, ID: 1903650-03 PDI-066SC-B-04-06-191011 17.42, Description: PDI-066SC-B-04-06-191011

Tetra-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	43 Total Tetra-Furans	2.20e4	7.01e5	0.756	NO	23.61	20.20	6.453	6.453
2	43 Total Tetra-Furans	4.65e3	7.01e5	0.824	NO	23.61	19.70	1.368	1.368
3	43 Total Tetra-Furans	4.69e3	7.01e5	0.759	NO	23.61	25.54	1.379	1.379
4	8 2,3,7,8-TCDF	1.95e4	7.01e5	0.801	NO	25.11	25.13	5.726	5.726
5	43 Total Tetra-Furans	5.27e3	7.01e5	0.657	NO	23.61	25.01	1.548	1.548
6	43 Total Tetra-Furans	4.08e3	7.01e5	0.878	NO	23.61	24.87	1.198	1.198
7	43 Total Tetra-Furans	2.57e3	7.01e5	0.876	NO	23.61	24.64	0.7553	0.7553
8	43 Total Tetra-Furans	2.30e3	7.01e5	0.794	NO	23.61	24.38	0.6755	0.6755
9	43 Total Tetra-Furans	2.10e4	7.01e5	0.851	NO	23.61	24.07	6.169	6.169
10	43 Total Tetra-Furans	7.09e4	7.01e5	0.793	NO	23.61	23.35	20.82	20.82
11	43 Total Tetra-Furans	5.03e3	7.01e5	0.761	NO	23.61	22.58	1.478	1.478
12	43 Total Tetra-Furans	5.85e4	7.01e5	0.798	NO	23.61	22.19	17.18	17.18
13	43 Total Tetra-Furans	3.85e4	7.01e5	0.774	NO	23.61	21.72	11.32	11.32
14	43 Total Tetra-Furans	5.50e3	7.01e5	0.859	NO	23.61	21.35	1.615	1.615
15	43 Total Tetra-Furans	1.01e4	7.01e5	0.859	NO	23.61	21.25	2.976	2.976
16	43 Total Tetra-Furans	1.22e5	7.01e5	0.774	NO	23.61	20.80	35.89	35.89
17	43 Total Tetra-Furans	1.19e4	7.01e5	0.813	NO	23.61	27.31	3.482	3.482

Penta-Furans function 1

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	44 1st Func. Penta-Fura...	4.11e5	0.00e0	1.595	NO	27.04	27.30	151.6	151.6

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Dataset: U:\VG11.PRO\Results\200129K1\200129K1-8.qld

Last Altered: Friday, February 07, 2020 12:55:14 Pacific Standard Time

Printed: Friday, February 07, 2020 13:06:35 Pacific Standard Time

Name: 200129K1_8, Date: 29-Jan-2020, Time: 20:50:02, ID: 1903650-03 PDI-066SC-B-04-06-191011 17.42, Description: PDI-066SC-B-04-06-191011

Penta-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	45 Total Penta-Furans	2.14e3	0.00e0	1.395	NO	29.27	30.85	0.7897	0.7897
2	45 Total Penta-Furans	2.23e4	0.00e0	1.706	NO	29.27	30.22	8.222	8.222
3	9 1,2,3,7,8-PeCDF	9.54e3	6.25e5	1.669	NO	29.96	29.96	3.183	3.183
4	45 Total Penta-Furans	5.21e3	0.00e0	1.590	NO	29.27	29.78	1.923	1.923
5	45 Total Penta-Furans	6.02e4	0.00e0	1.591	NO	29.27	29.56	22.23	22.23
6	45 Total Penta-Furans	0.00e0	0.00e0	1.982	YES	29.27	29.38	0.0000	0.5673
7	45 Total Penta-Furans	1.44e5	0.00e0	1.590	NO	29.27	28.95	52.97	52.97
8	45 Total Penta-Furans	9.45e3	0.00e0	1.520	NO	29.27	28.81	3.486	3.486
9	10 2,3,4,7,8-PeCDF	4.69e4	5.05e5	1.451	NO	30.96	30.99	18.43	18.43
10	45 Total Penta-Furans	0.00e0	0.00e0	1.679	NO	29.27	31.01	0.0000	2.116

Hexa-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	46 Total Hexa-Furans	1.54e5	0.00e0	1.296	NO	33.56	32.76	69.70	69.70
2	46 Total Hexa-Furans	6.25e4	0.00e0	1.276	NO	33.56	32.60	28.24	28.24
3	14 1,2,3,7,8,9-HxCDF	4.14e3	2.92e5	1.436	YES	35.31	35.37	0.0000	2.294
4	13 2,3,4,6,7,8-HxCDF	1.79e4	3.01e5	1.178	NO	34.46	34.44	9.799	9.799
5	46 Total Hexa-Furans	1.08e3	0.00e0	1.154	NO	33.56	34.13	0.4887	0.4887
6	12 1,2,3,6,7,8-HxCDF	1.54e4	4.53e5	1.347	NO	33.87	33.87	5.958	5.958
7	46 Total Hexa-Furans	2.19e5	0.00e0	1.293	NO	33.56	33.30	99.18	99.18
8	46 Total Hexa-Furans	0.00e0	0.00e0	1.466	YES	33.56	35.38	0.0000	0.5701
9	11 1,2,3,4,7,8-HxCDF	1.78e4	4.11e5	1.231	NO	33.74	33.75	7.425	7.425

Hepta-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	16 1,2,3,4,7,8,9-HpCDF	4.56e3	1.80e5	1.010	NO	39.07	39.09	3.649	3.649
2	47 Total Hepta-Furans	3.54e5	0.00e0	1.048	NO	37.83	37.64	252.4	252.4
3	15 1,2,3,4,6,7,8-HpCDF	2.61e5	2.92e5	1.044	NO	37.08	37.05	150.3	150.3

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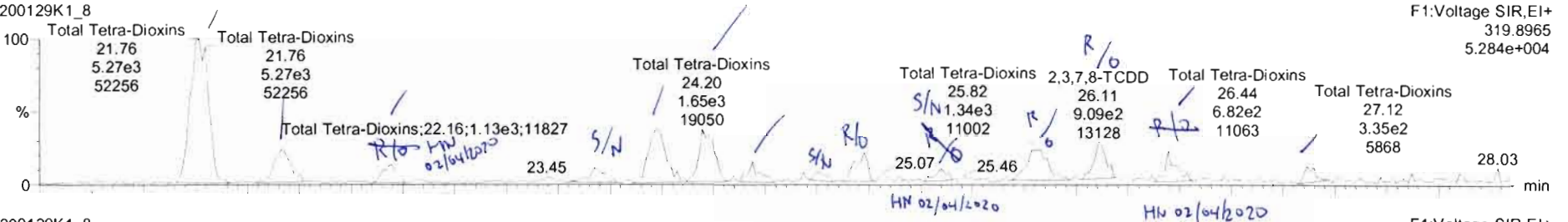
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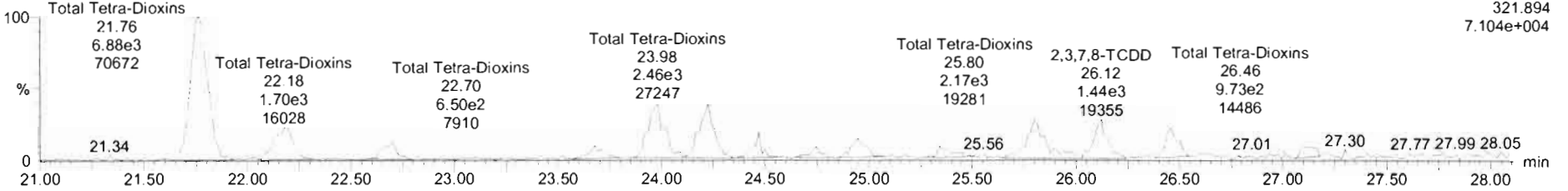
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2,3,7,8-TCDD

200129K1_8

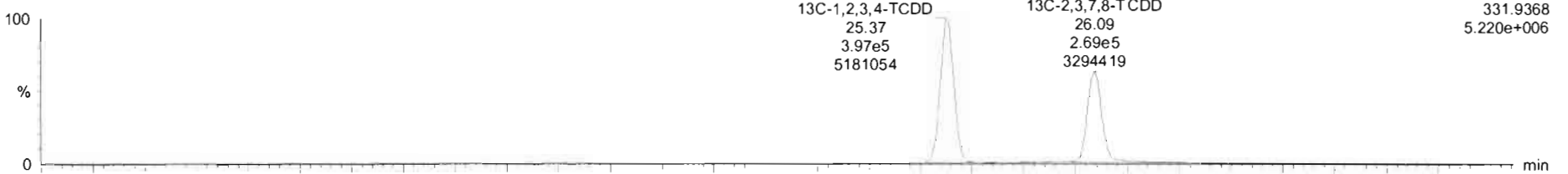


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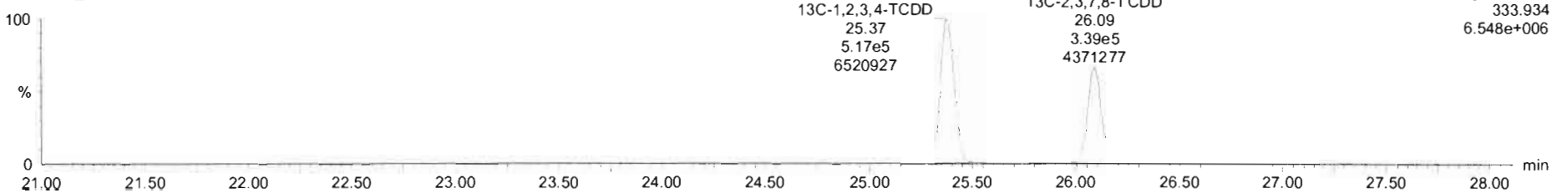


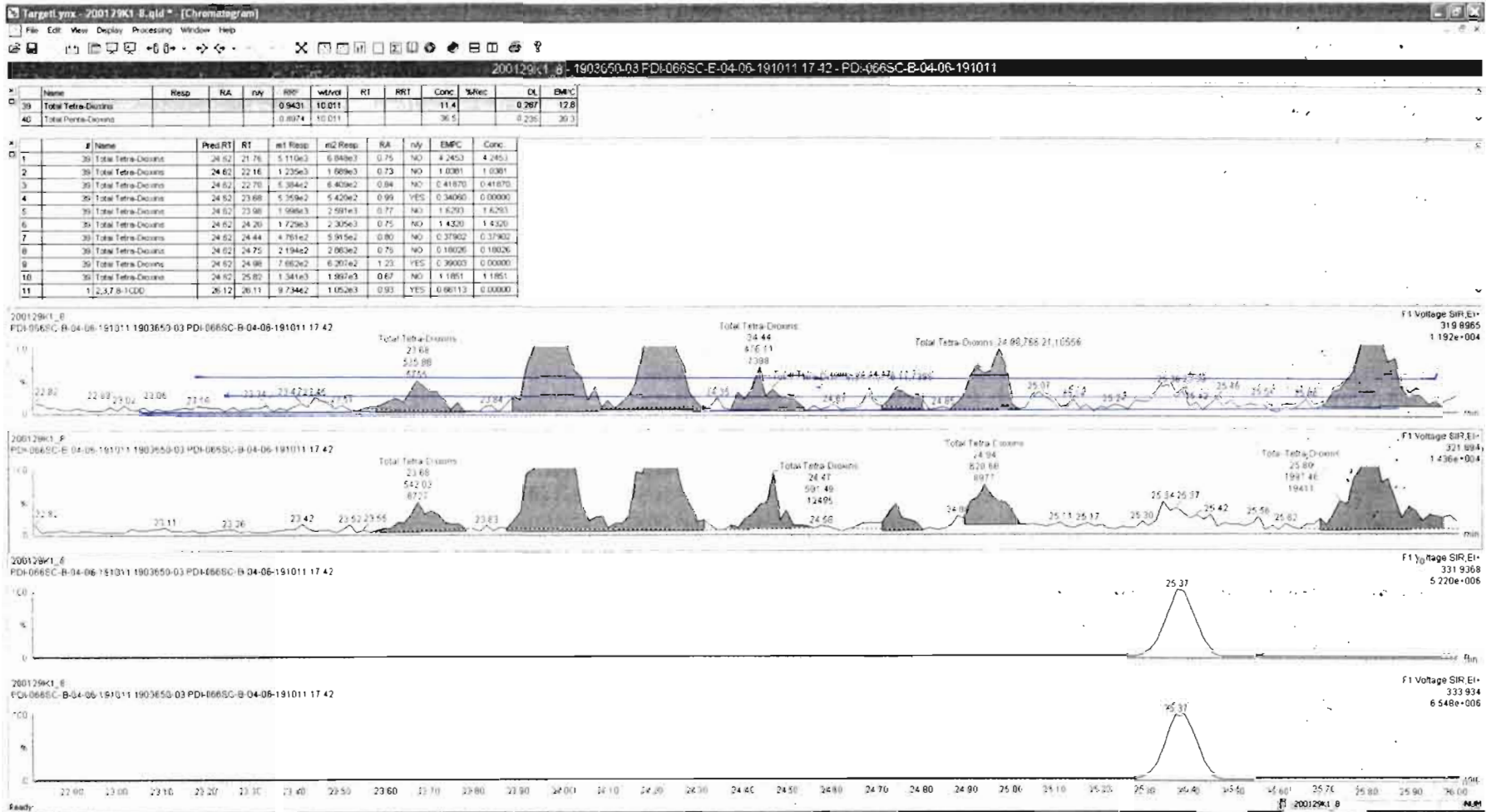
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200129K1_8



200129K1_8





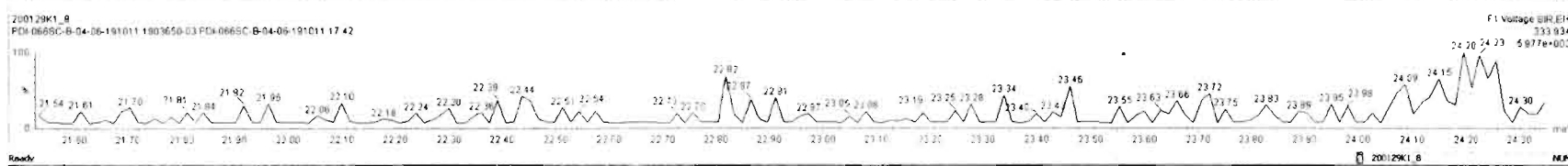
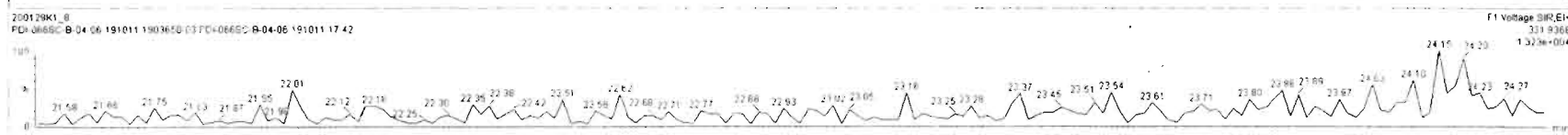
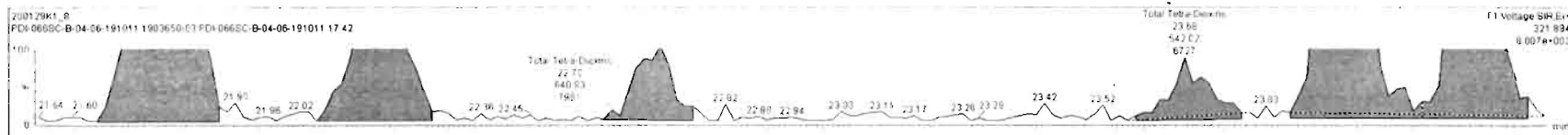
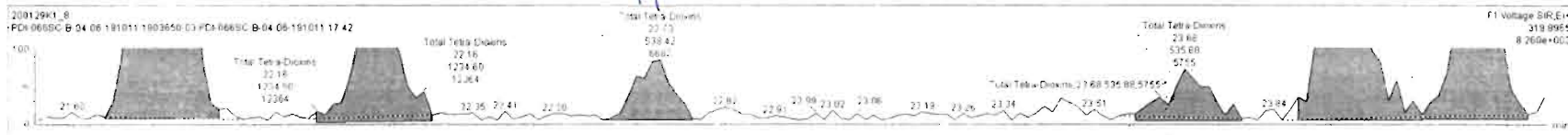
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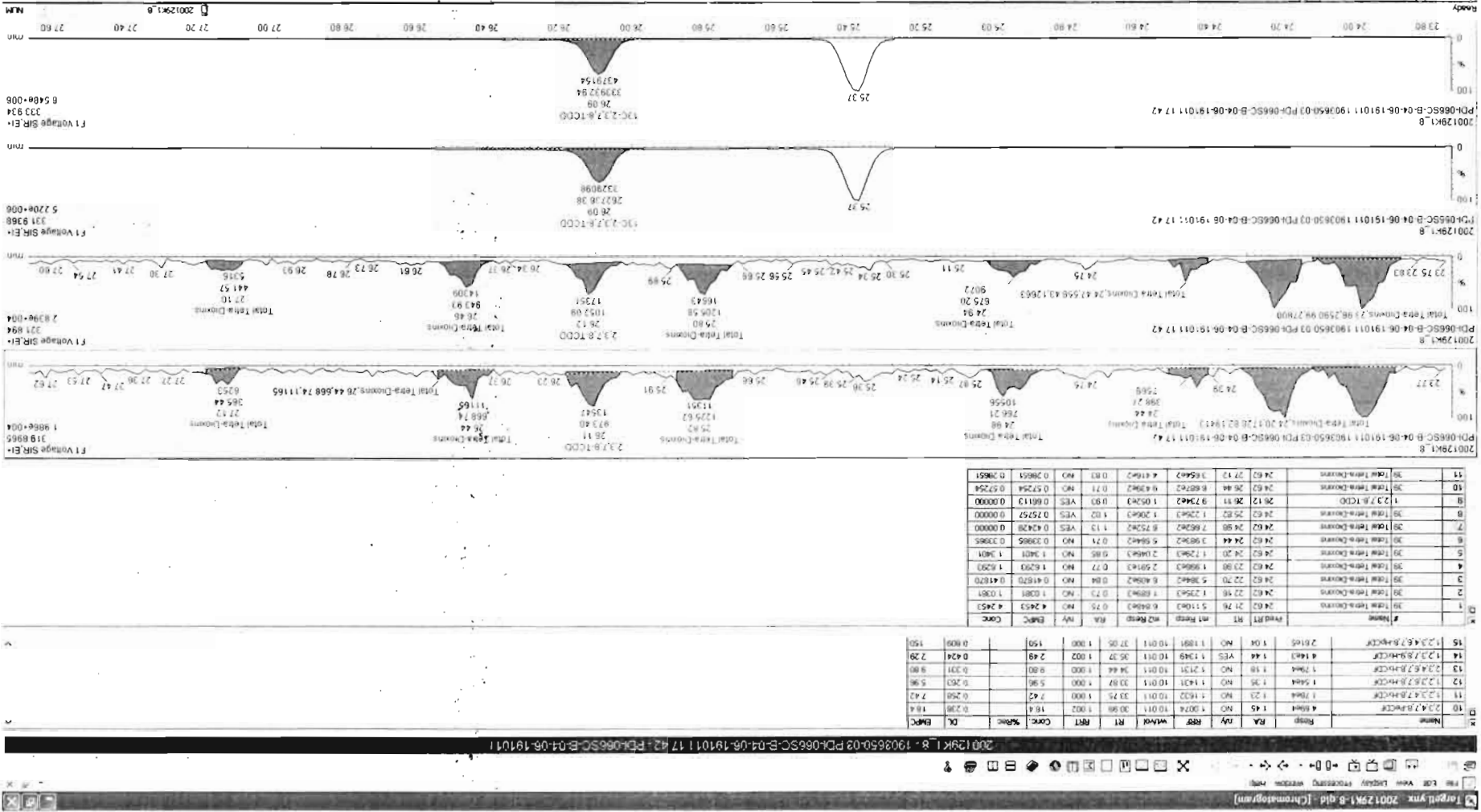
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200129K1_8 - 1903650-03 PDI-0665C-B-04-06-191011 17:42 - PDI-0665C-B-04-06-191011

#	Name	Resp	RA	n/y	RIF	wt/mol	RT	RRT	Conc	%Rec	DL	EMPC
37	13C-1,2,3,4-TCDF	1.29e5	0.79	NO	1.0000	10.011	23.46	1.000	200	100	0.571	
38	13C-1,2,3,4,6,8-HxCDF	9.52e5	0.54	NO	1.0000	10.011	34.12	1.000	200	100	0.438	
39	Total Tetra-Chlorins					0.9491	10.011		10.1		0.271	12.9
40	Total Penta-Chlorins					0.6974	10.011		34.7		0.236	38.1
41	Total Hexa-Chlorins					1.0068	10.011		95.1		0.510	97.6

#	Name	Pres RT	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1	39 Total Tetra-Chlorins	24.62	21.76	5.249e3	8.949e3	0.77	NO	4.2139	4.2139
2	38 Total Tetra-Chlorins	24.62	22.16	1.235e3	1.689e3	0.73	NO	1.0187	5.0187
3	39 Total Tetra-Chlorins	24.62	23.68	5.359e2	5.420e2	0.99	YES	0.31424	0.00000
4	38 Total Tetra-Chlorins	24.62	22.98	1.909e3	2.591e3	0.77	NO	1.5988	1.5988
5	38 Total Tetra-Chlorins	24.62	24.20	1.729e3	2.956e3	0.75	NO	1.4052	1.4052
6	38 Total Tetra-Chlorins	24.62	24.44	4.791e2	5.927e2	0.80	NO	0.37237	0.37237





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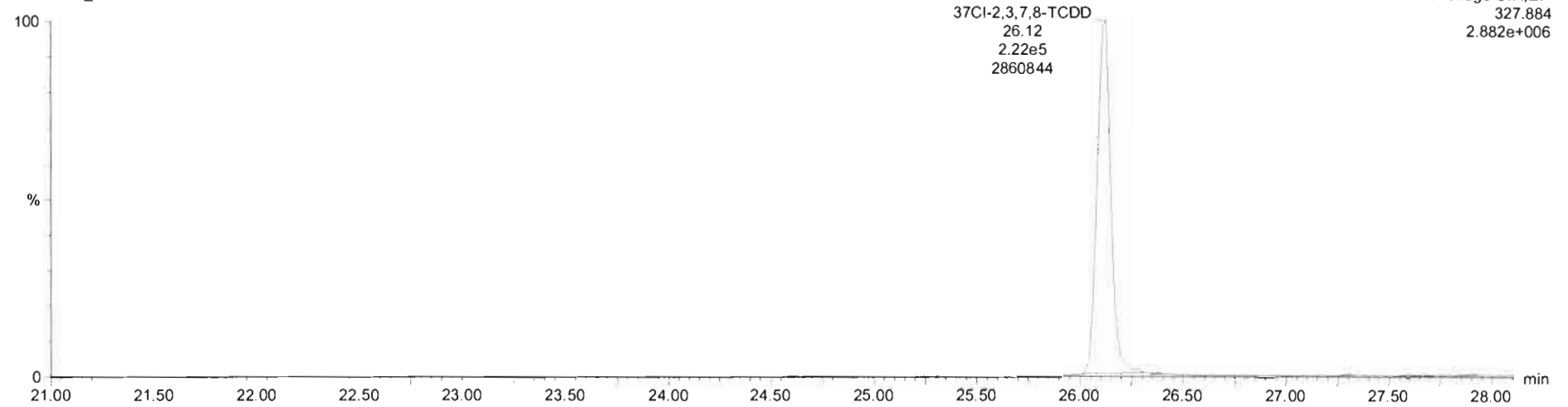
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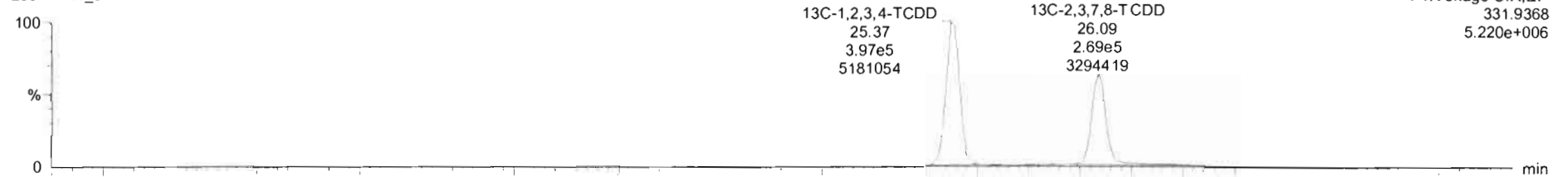
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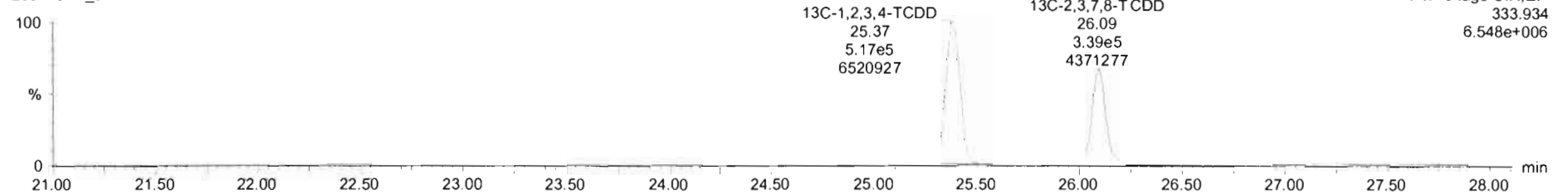


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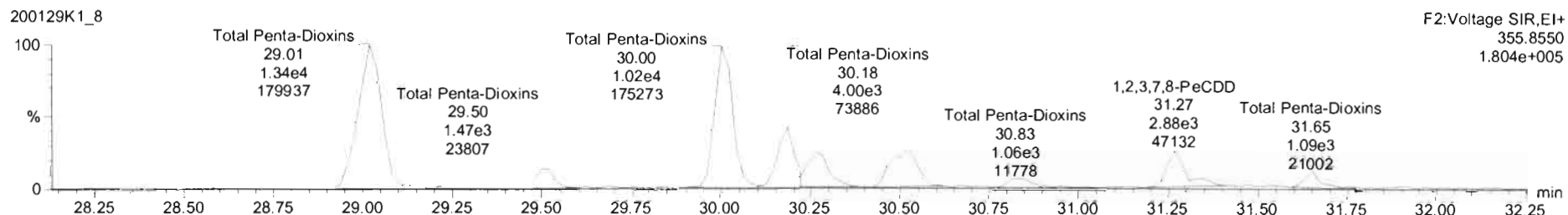
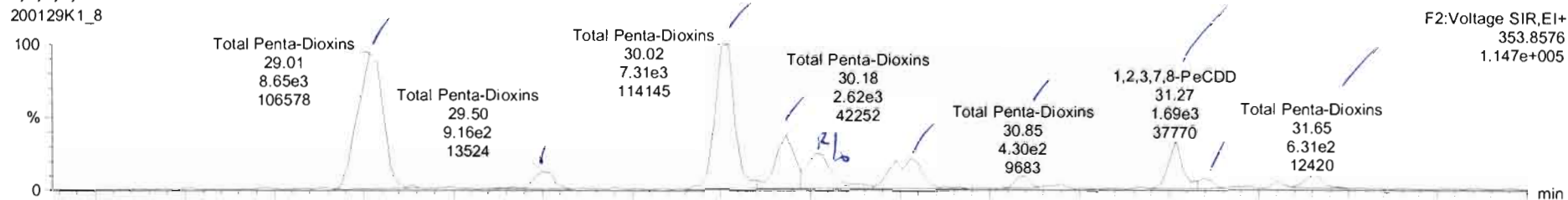


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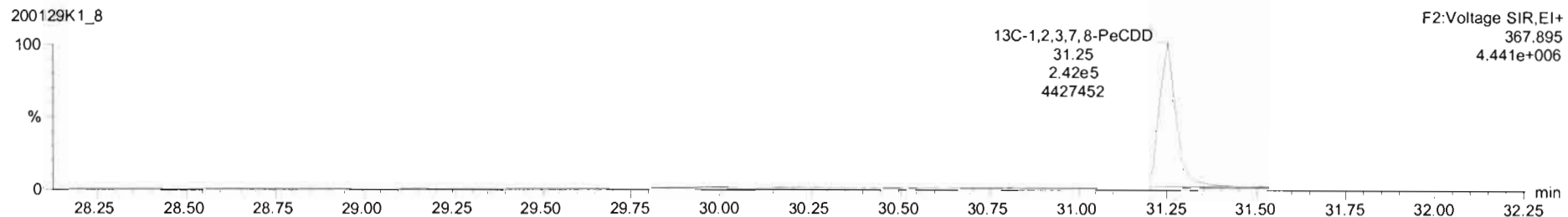
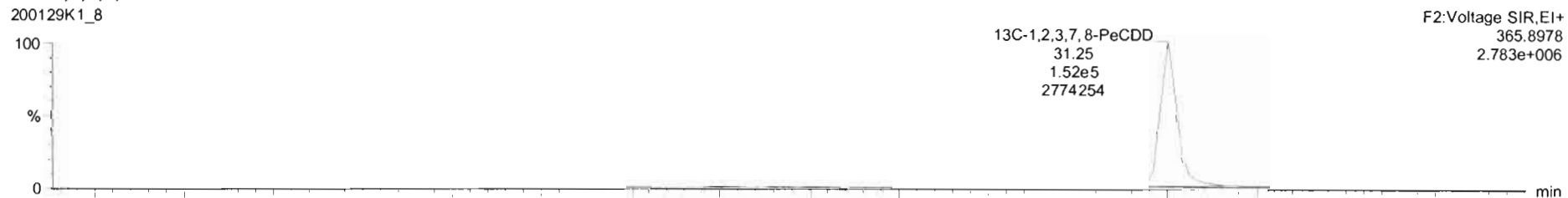
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1,2,3,7,8-PeCDD

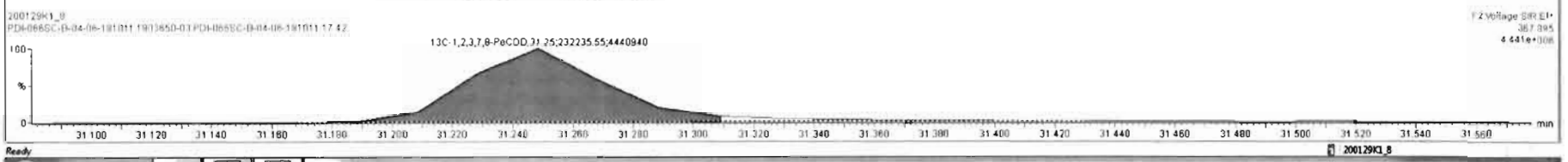
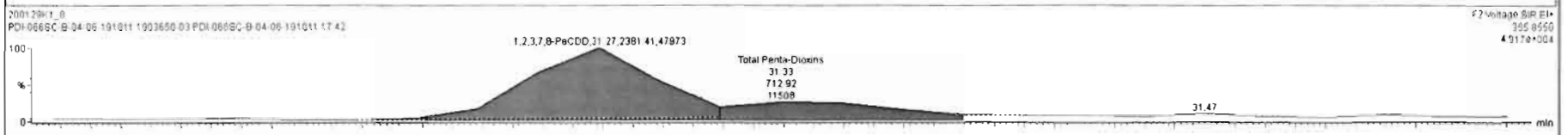
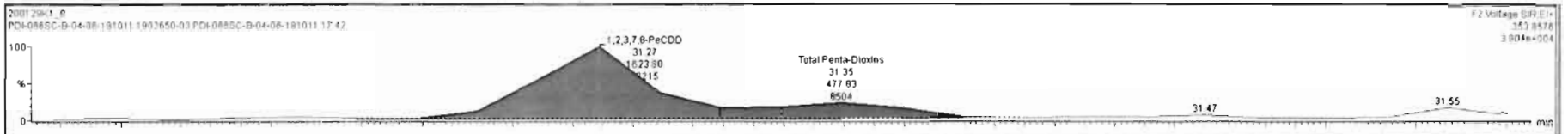


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200129K1_8 - 1903650-03 PDI-066SC-B-04-06-191011 17:42 - PDI-066SC-B-04-06-191011

#	Name	Resp	RA	nly	RRF	VolVol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HxCDF	2.82e5	0.45	NO	0.7335	10.011	37.03	37.04	1.085	1.086	NO	83.54	41.8	0.498	
33	13C-1,2,3,4,7,8,9-HxCDF	1.80e5	0.44	NO	0.4587	10.011	36.06	36.07	1.145	1.145	NO	82.11	41.1	0.780	
34	13C-OCDF	3.78e5	0.88	NO	0.5003	10.011	41.82	41.80	1.229	1.228	NO	158.4	39.6	0.503	
35	37Cl-2,3,7,8-TCDD	2.22e5			1.1244	10.011	26.09	26.12	1.028	1.030	NO	43.13	54.0	0.140	
36	13C-1,2,3,4-TCDD	9.13e5	0.77	NO	1.0000	10.011	25.36	25.37	1.000	1.000	NO	199.8	100	0.385	
37	13C-1,2,3,4-TCDF	1.26e6	0.79	NO	1.0000	10.011	23.43	23.48	1.000	1.000	NO	198.8	100	0.571	
38	13C-1,2,3,4,6,9-HxCDF	9.52e5	0.54	NO	1.0000	10.011	34.10	34.12	1.000	1.000	NO	198.8	100	0.438	
39	Total Tetra-Dioxins				0.8431	10.011	24.82		0.000		NO	9.870		0.287	11.71
40	Total Penta-Dioxins				0.8974	10.011	26.86		0.000		NO	37.17		0.235	40.01
41	Total Hexa-Dioxins				1.0068	10.011	33.83		0.000		NO	103.2		0.519	105.2
42	Total Hepta-Dioxins				1.0622	10.011	38.80		0.000		NO	836.2		2.37	836.2
43	Total Tetra-Furans				0.8700	10.011	23.81		0.000		NO	99.22		0.396	120.9
44	Total Func. Penta-Furans				0.9580	10.011	27.04		0.000		NO	151.8		0.0894	151.8

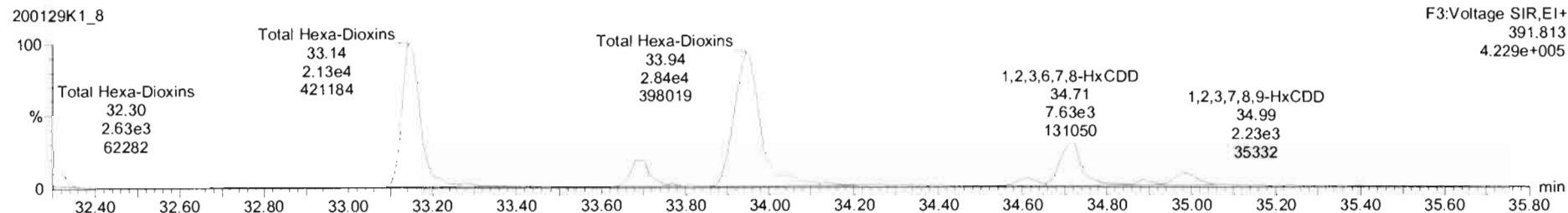
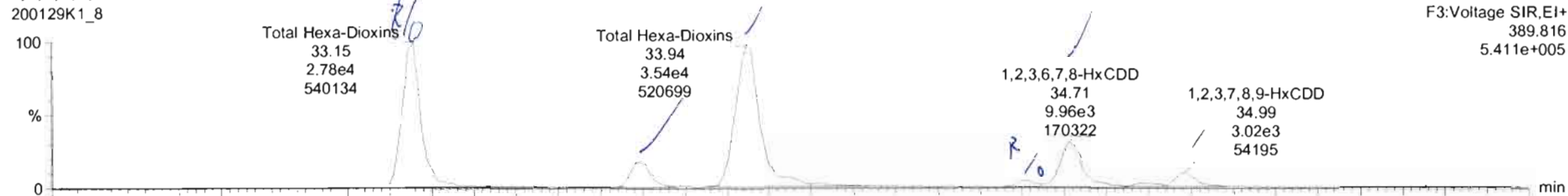


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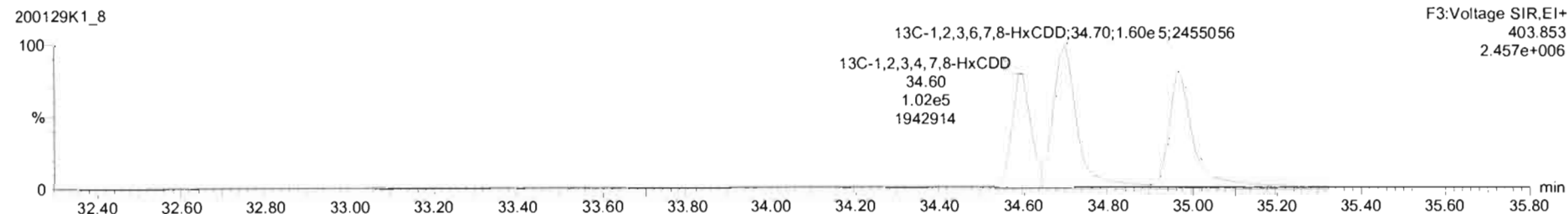
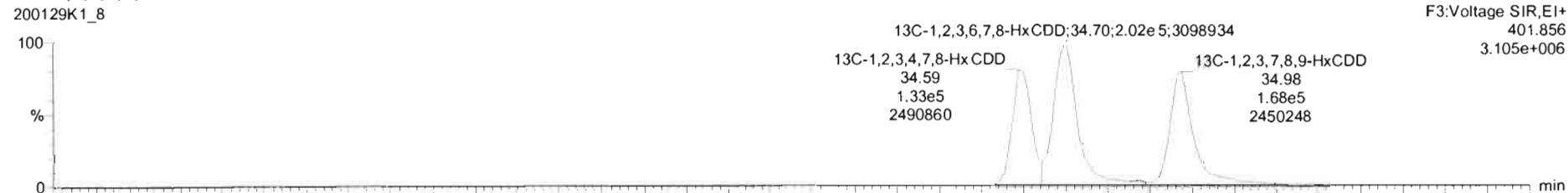
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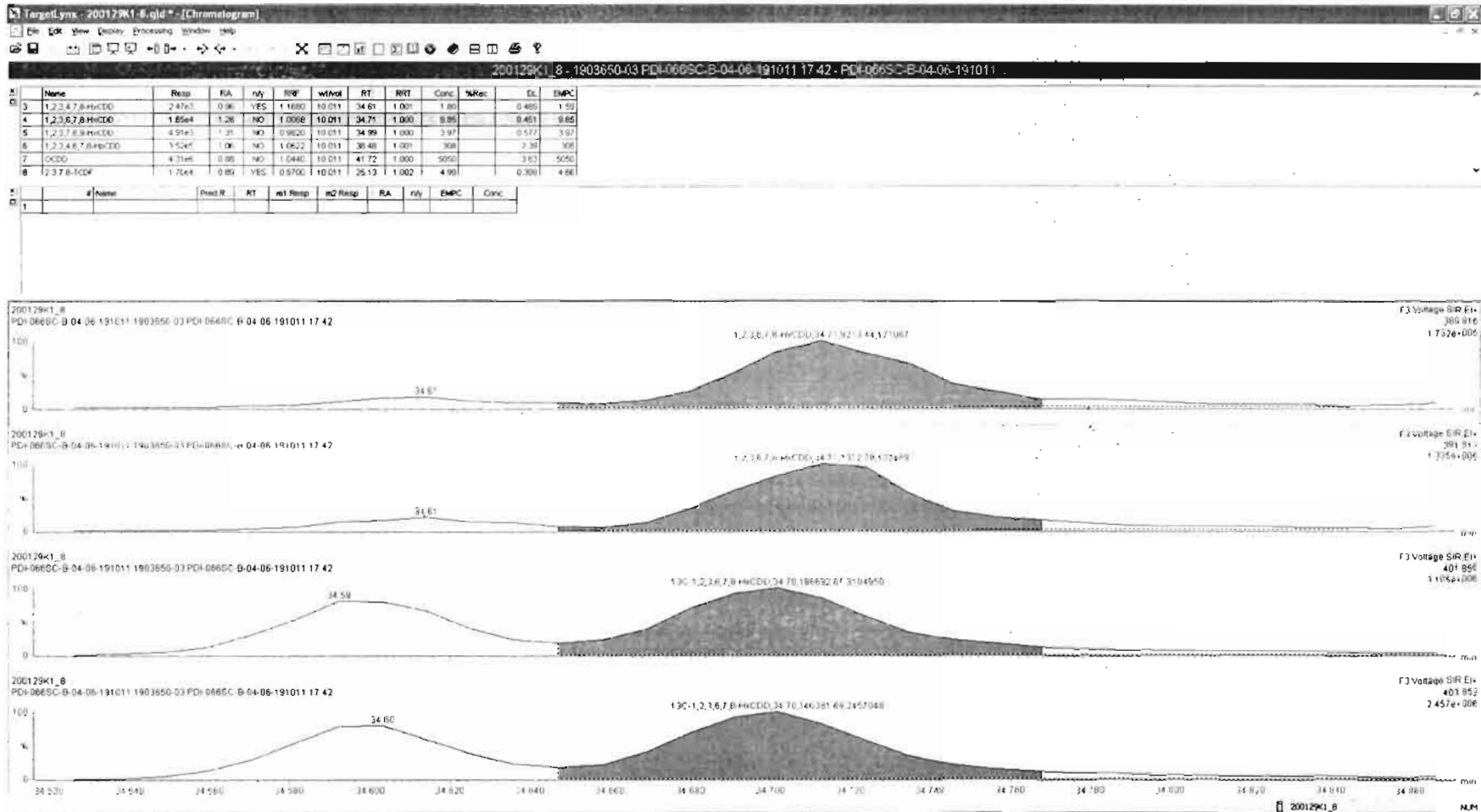
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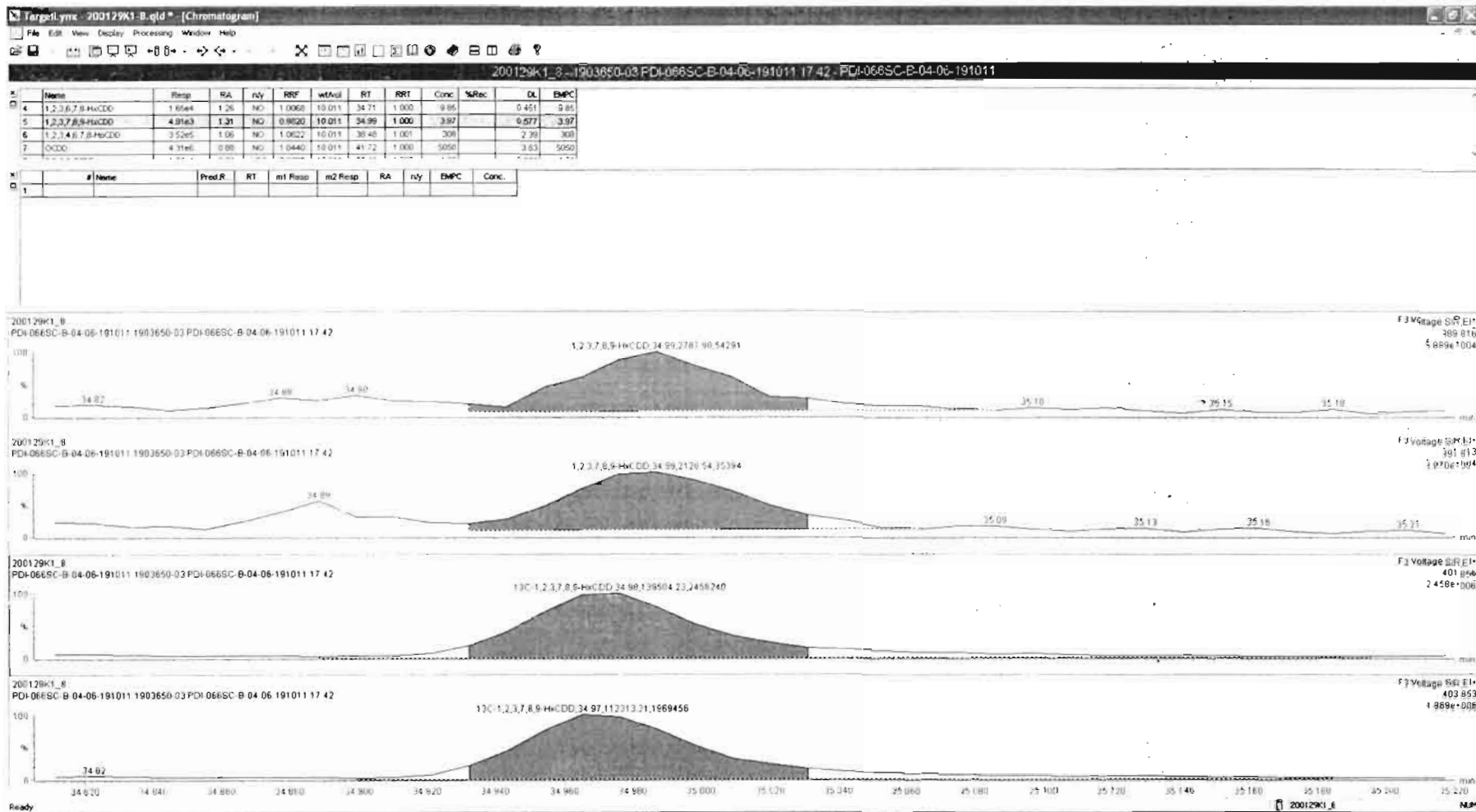
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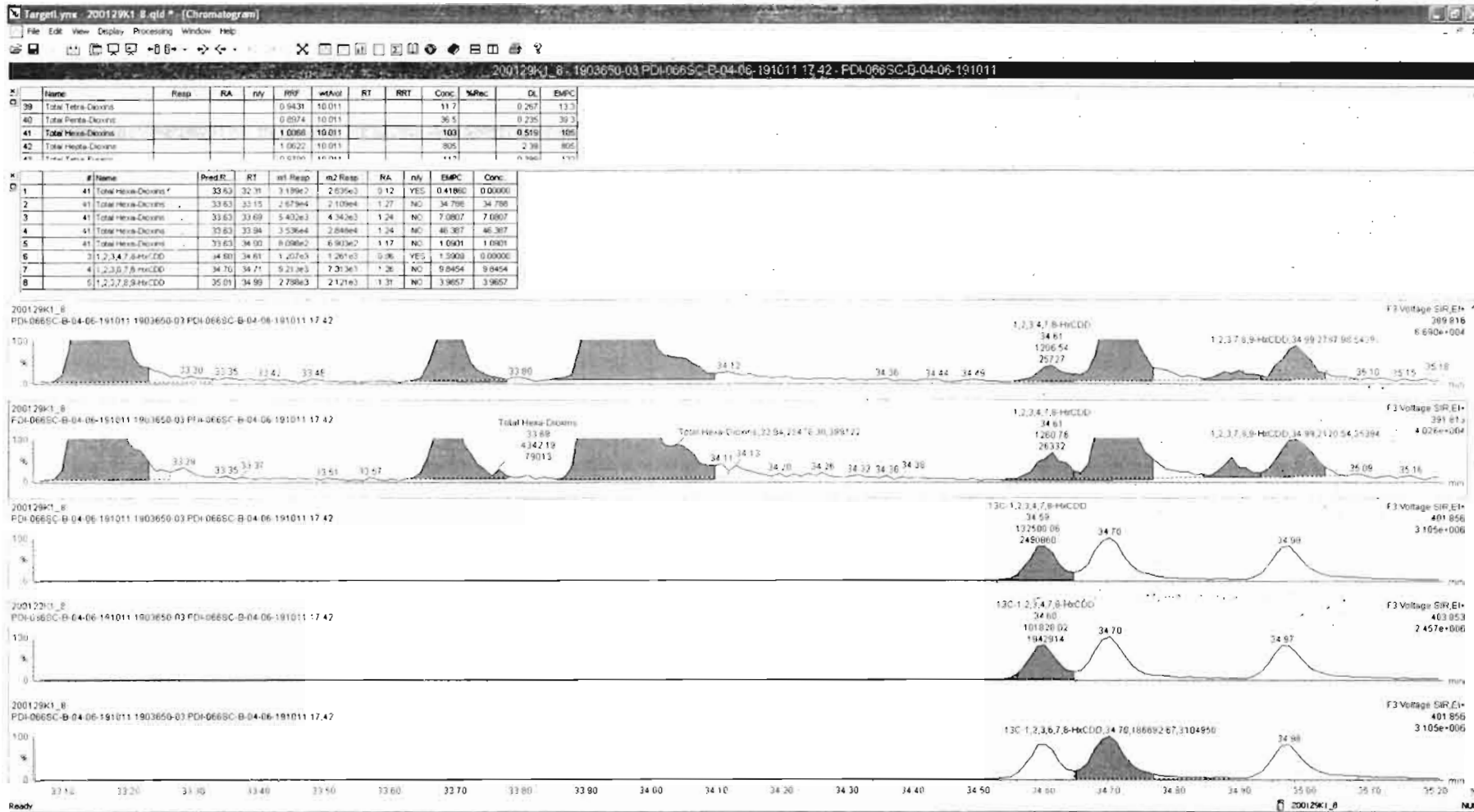


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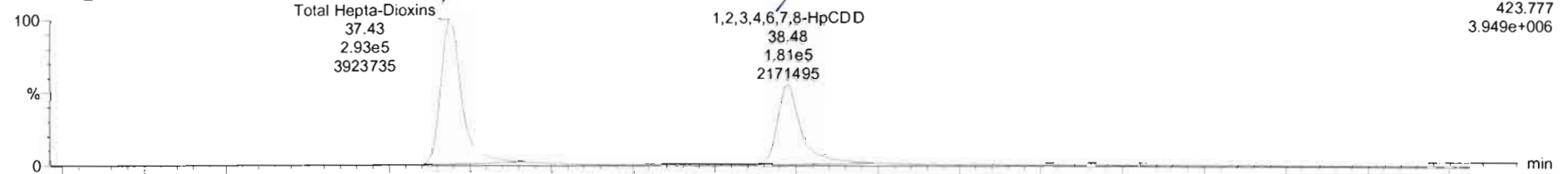
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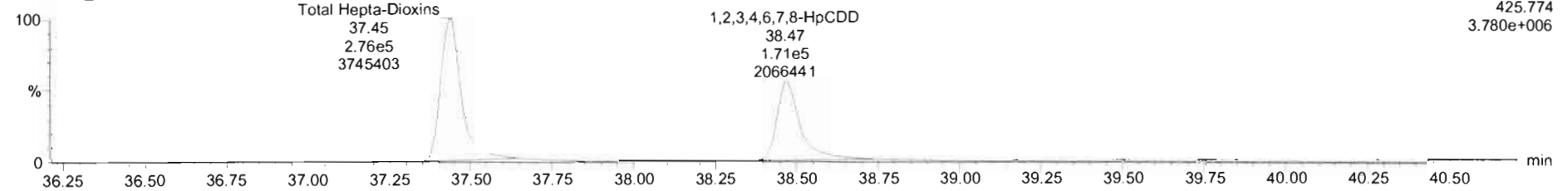
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1,2,3,4,6,7,8-HpCDD

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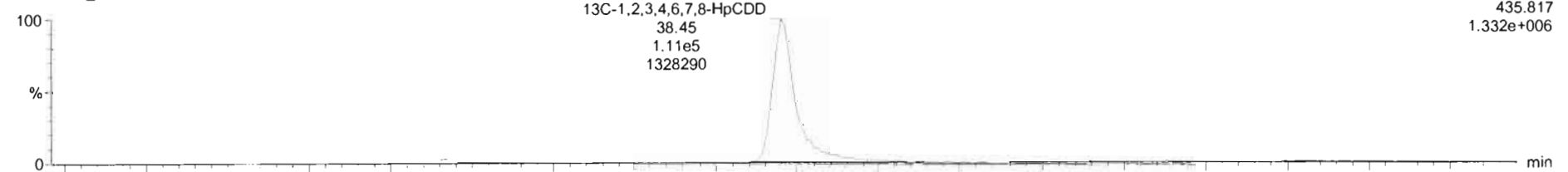


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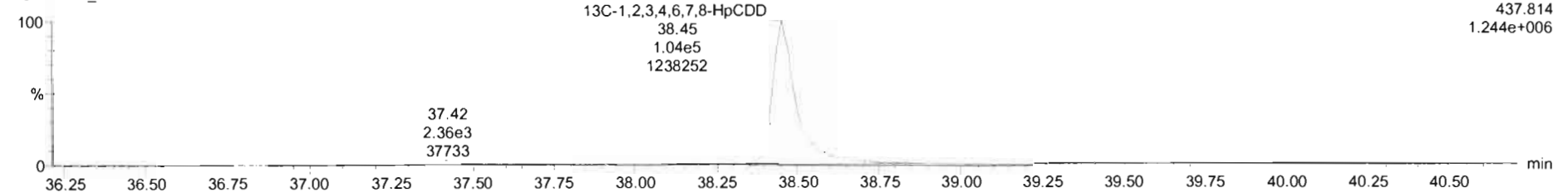


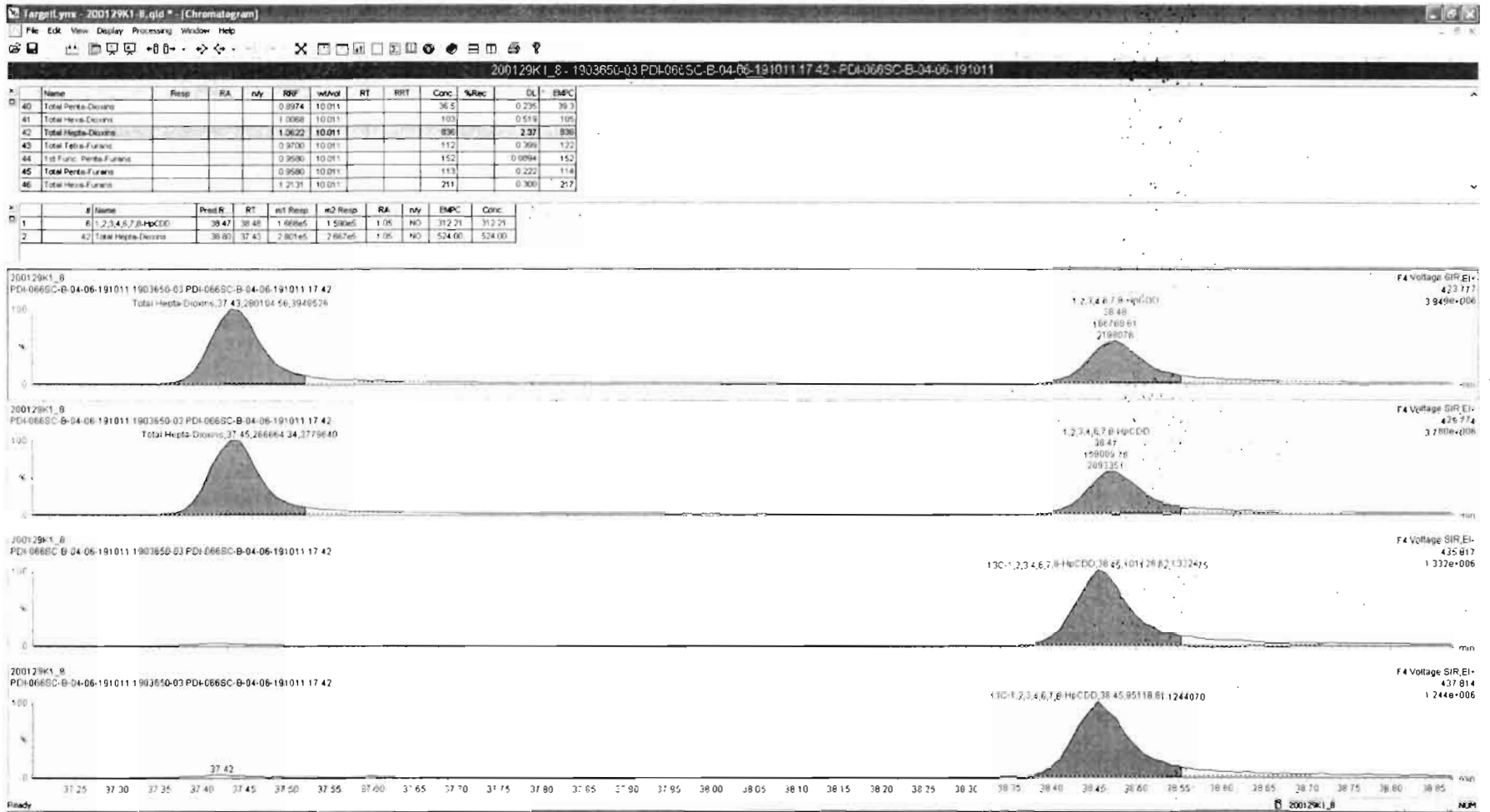
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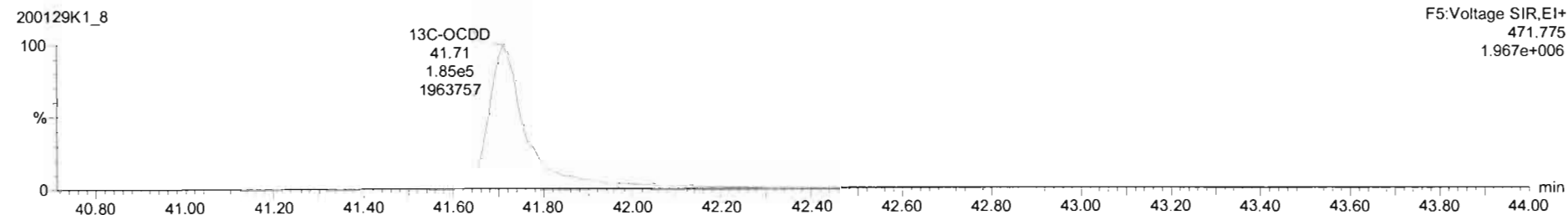
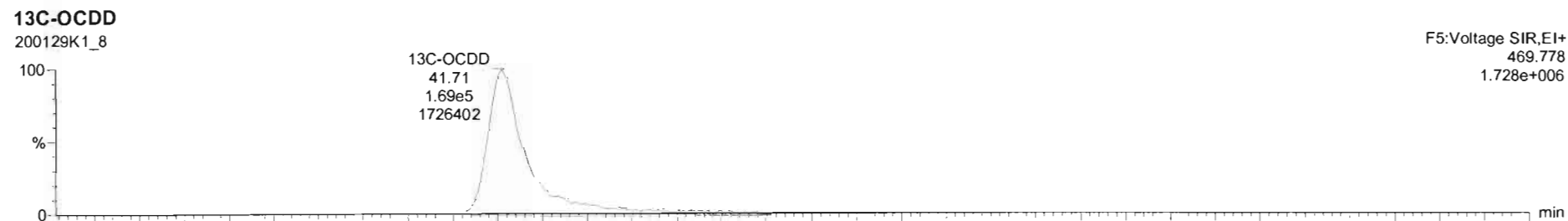
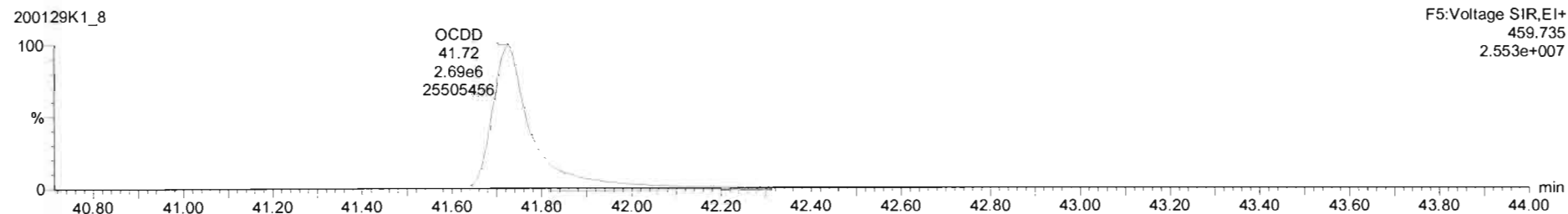
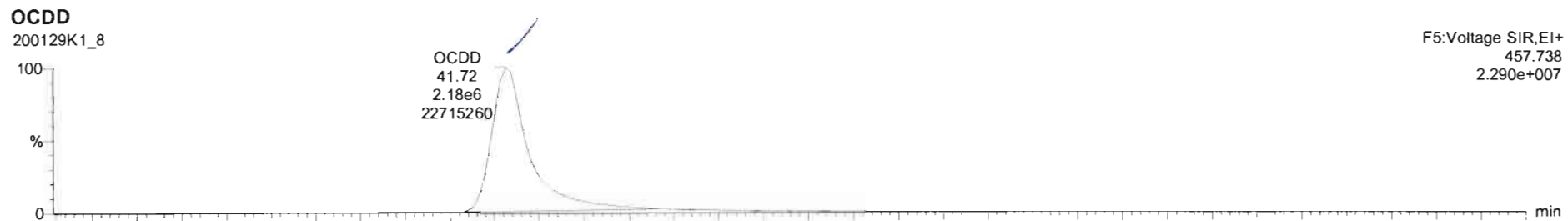


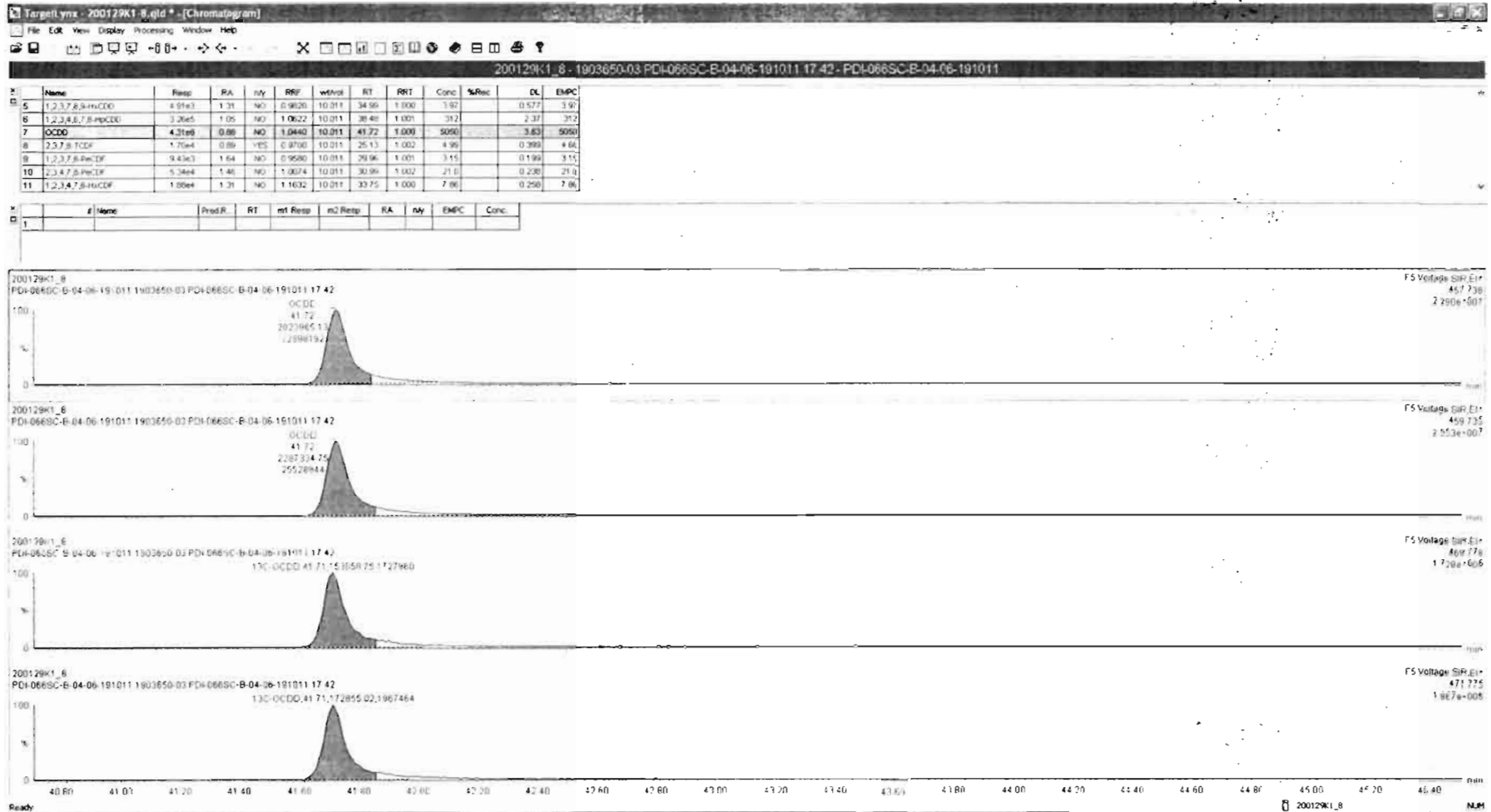


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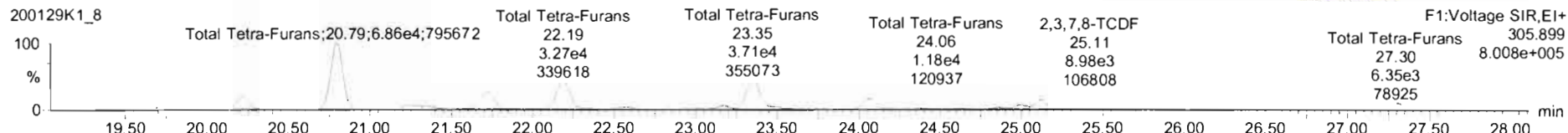
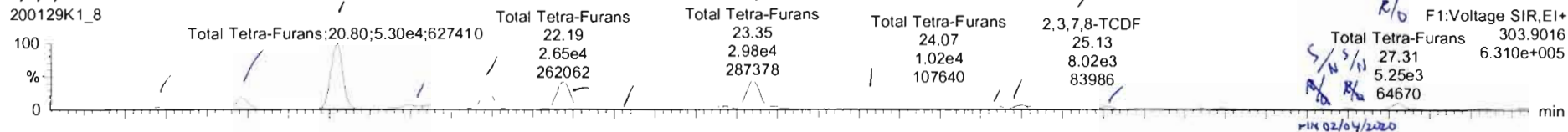


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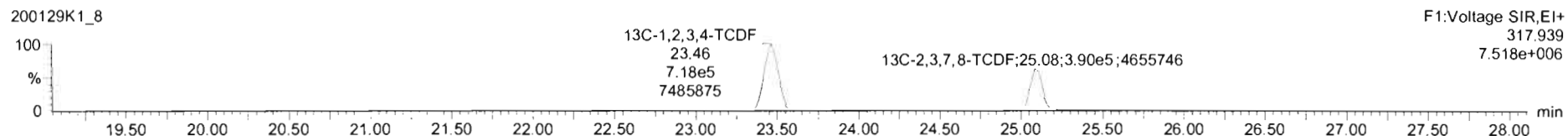
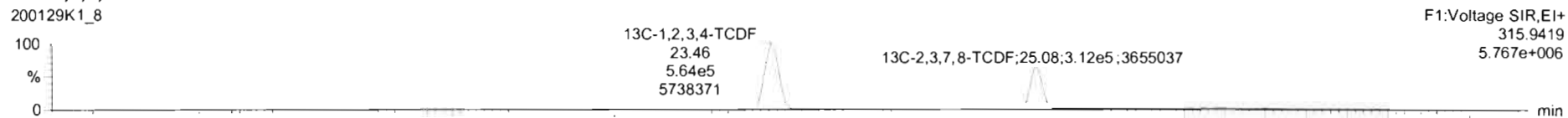
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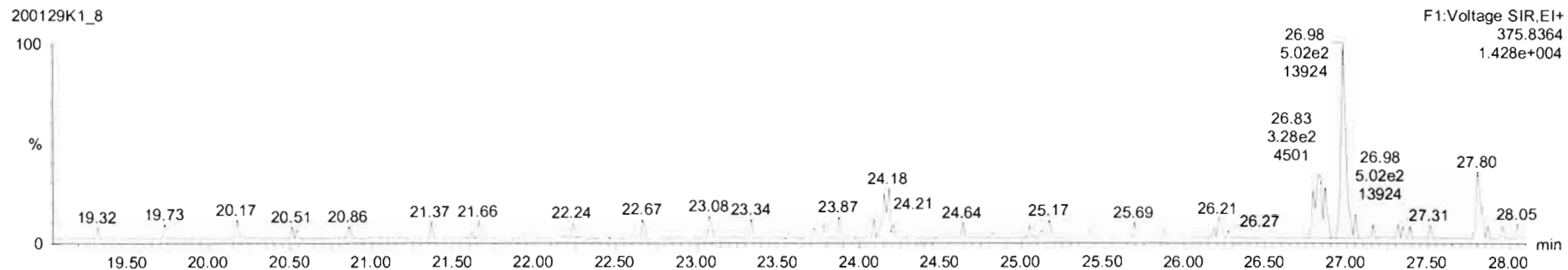
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13C-2,3,7,8-TCDF

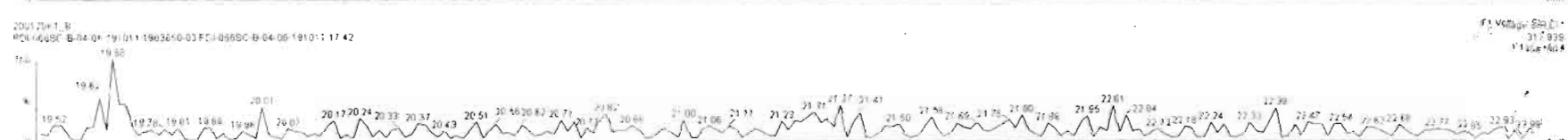
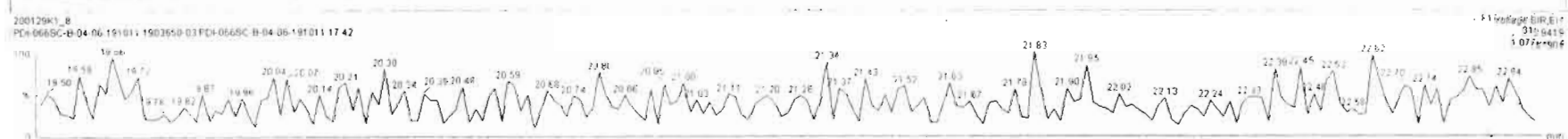
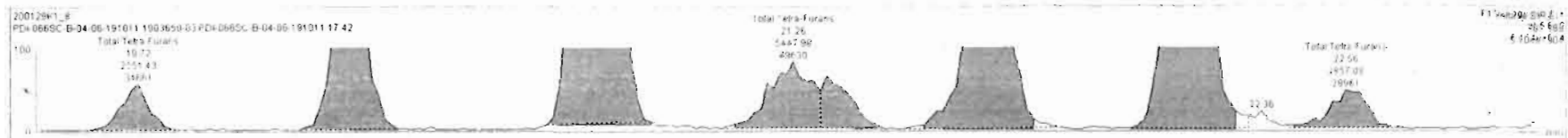
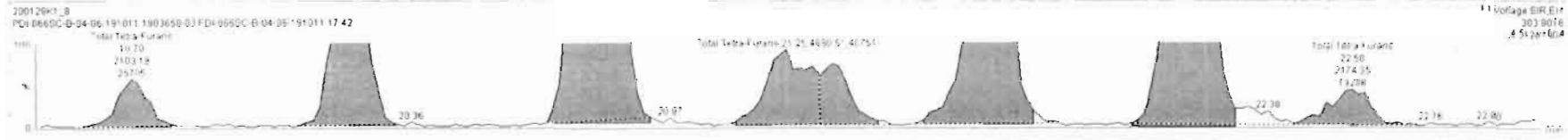


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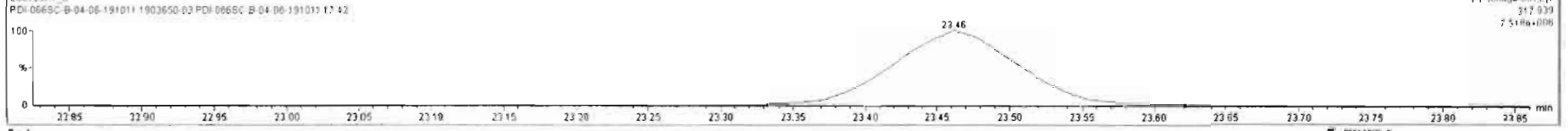
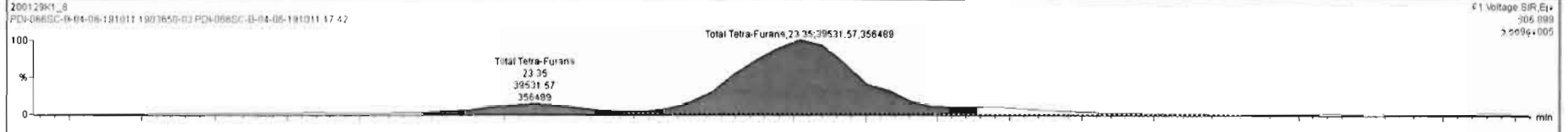
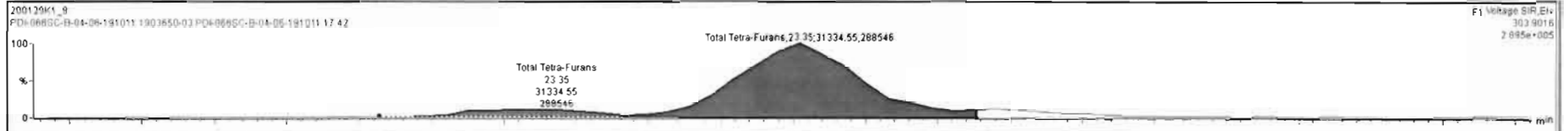
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42 Total Tetra-Furans				1.0622	10.011			8.96	2.37	6.96	
43 Total Tetra-Furans				0.9700	10.011			112	0.396	118	
44 Total Tetra-Furans				0.9639	10.011			443	0.763	4.43	

#	Name	Pres R	RT	m1 Resp	m2 Resp	RA	rtly	EMPC	Conc
1	43 Total Tetra-Furans	23.61	19.70	2.103e3	2.551e3	0.82	NO	1.3077	1.3077
2	43 Total Tetra-Furans	23.61	20.21	9.455e3	1.251e4	0.76	NO	6.9533	6.4633
3	43 Total Tetra-Furans	23.61	20.80	5.332e4	8.685e4	0.77	NO	35.899	35.896
4	43 Total Tetra-Furans	23.61	21.25	4.681e3	5.448e3	0.86	NO	2.9761	2.9761
5	43 Total Tetra-Furans	23.61	21.35	2.538e3	2.957e3	0.86	NO	1.8146	1.6146
6	43 Total Tetra-Furans	23.61	21.72	1.882e4	2.173e4	0.77	NO	11.325	11.325
7	43 Total Tetra-Furans	23.61	22.19	2.095e4	3.252e4	0.89	NO	17.179	17.179



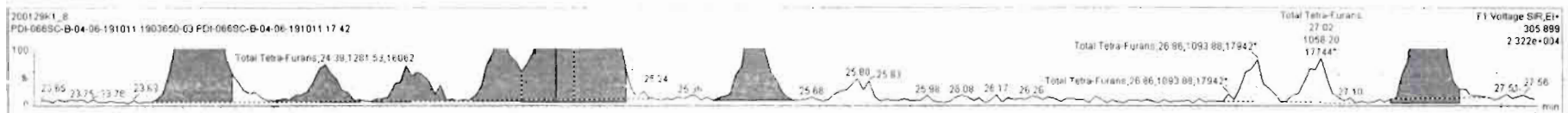
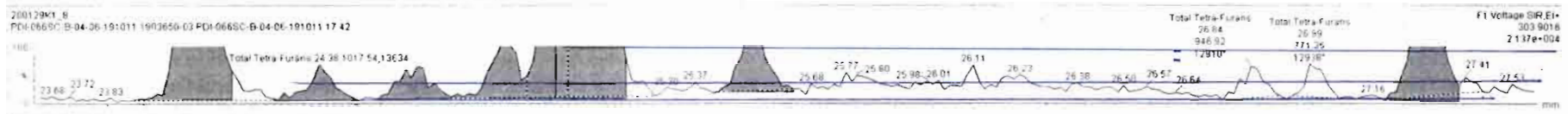
TargetLynx.XS - 200129K1_8.qld - [Chromatogram]
 File Edit View Display Processing Window Help
 200129K1_8 - 1903650-03 PDI-0665C-B-04-06-191011 17:42 PDI-0665C-B-04-06-191011

#	Name	Resp	RA	nly	RRF	wtVol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	BAPC
38	13C-1,2,3,4,8,9-HxCDF	9.52e5	0.54	NO	1.0000	10.011	34.10	34.12	1.000	1.000	NO	199.8	100	0.430	
39	Total Tetra-Dioxins				0.9431	10.011	24.82		0.000		NO	9.870		0.267	11.71
40	Total Penta-Dioxins				0.8974	10.011	29.96		0.000		NO	37.17		0.235	40.01
41	Total Hexa-Dioxins				1.0068	10.011	33.63		0.000		NO	103.2		0.519	105.2
42	Total Hepta-Dioxins				1.0622	10.011	36.80		0.000		NO	636.2		2.37	836.2
43	Total Tetra-Furans				0.9700	10.011	23.61		0.000		NO	1.200		0.306	120.0
44	1st Func. Penta-Furans				0.9580	10.011	27.04		0.000		NO	151.6		0.0994	151.6
45	Total Penta-Furans				0.9580	10.011	29.27		0.000		NO	111.2		0.222	113.9
46	Total Hexa-Furans				1.2131	10.011	33.56		0.000		NO	220.8		0.285	223.7
47	Total Hepta-Furans				1.1891	10.011	37.83		0.000		NO	406.4		0.985	406.4
48	PFK1														
49	PFK2														
50	PFK3														



#	Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
41	Total Hexa-Furans				1.0060	10.011			103		0.519	105
42	Total Hepta-Decans				1.0622	10.011			836		2.37	836
43	Total Tetra-Furans				0.0700	10.011			115		0.390	115
44	1st Func. Penta-Furans				0.9580	10.011			152		0.0694	152
45	Total Penta-Furans				0.9580	10.011			111		0.222	114
46	Total Hexa-Furans				1.2131	10.011			223		0.295	224

#	Name	Pred RT	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc
1	43 Total Tetra-Furans	23.81	19.70	2.103e3	2.551e3	0.82	NO	1.3677	1.3677
2	43 Total Tetra-Furans	23.81	20.21	9.455e3	1.251e4	0.75	NO	6.4533	6.4533
3	43 Total Tetra-Furans	23.81	20.80	5.332e4	6.885e4	0.77	NO	35.895	35.895
4	43 Total Tetra-Furans	23.81	21.25	4.681e3	5.448e3	0.86	NO	2.9761	2.9761
5	43 Total Tetra-Furans	23.81	21.35	2.538e3	2.957e3	0.86	NO	1.6146	1.6146
6	43 Total Tetra-Furans	23.81	21.72	1.662e4	2.173e4	0.77	NO	11.325	11.325
7	43 Total Tetra-Furans	23.81	22.15	2.595e4	3.252e4	0.80	NO	17.179	17.179
8	43 Total Tetra-Furans	23.81	22.58	2.174e3	2.857e3	0.75	NO	1.4784	1.4784
9	43 Total Tetra-Furans	23.81	23.19	3.060e3	3.996e3	0.77	NO	2.0792	2.0792
10	43 Total Tetra-Furans	23.81	23.35	1.999e4	2.447e4	0.82	NO	13.062	13.062
11	43 Total Tetra-Furans	23.81	24.07	9.655e3	1.134e4	0.85	NO	6.1689	6.1689



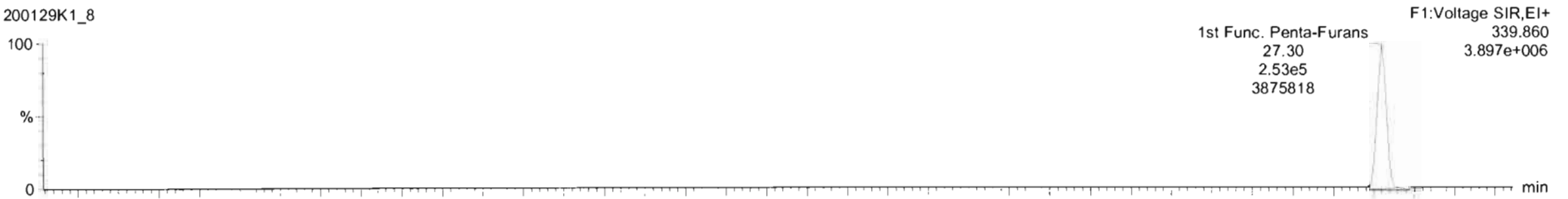
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Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

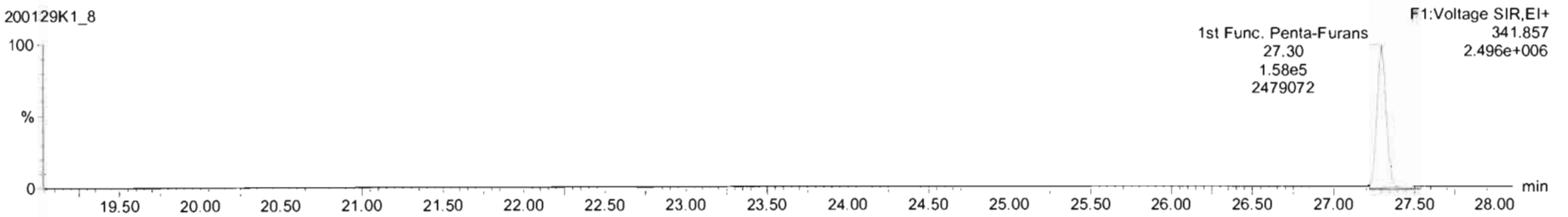
Name: 200129K1_8, Date: 29-Jan-2020, Time: 20:50:02, ID: 1903650-03 PDI-066SC-B-04-06-191011 17.42, Description: PDI-066SC-B-04-06-191011

1st Func. Penta-Furans

200129K1_8

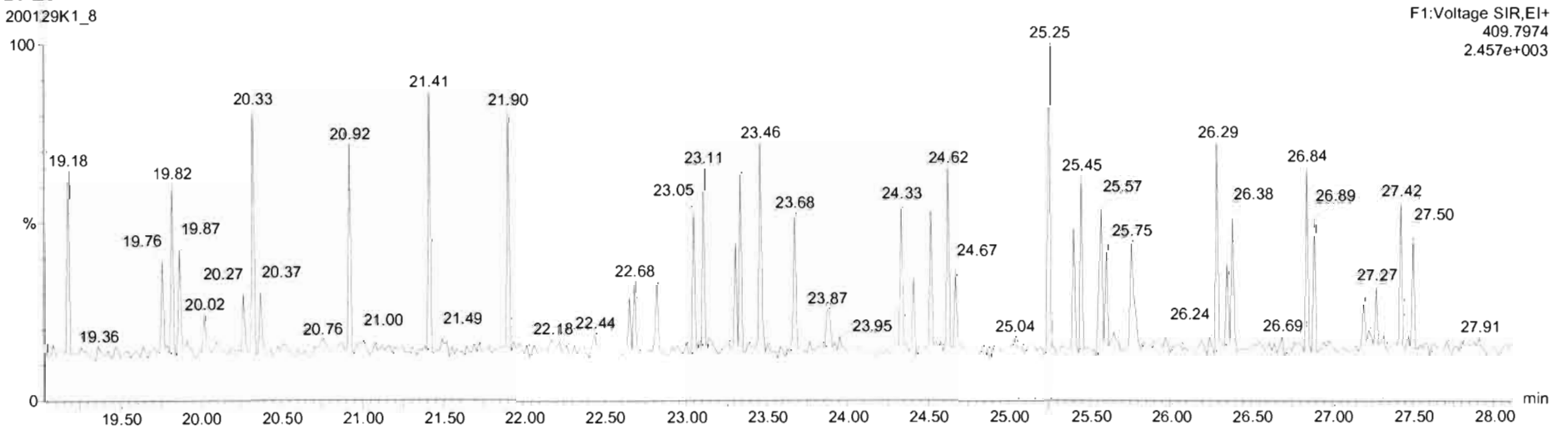


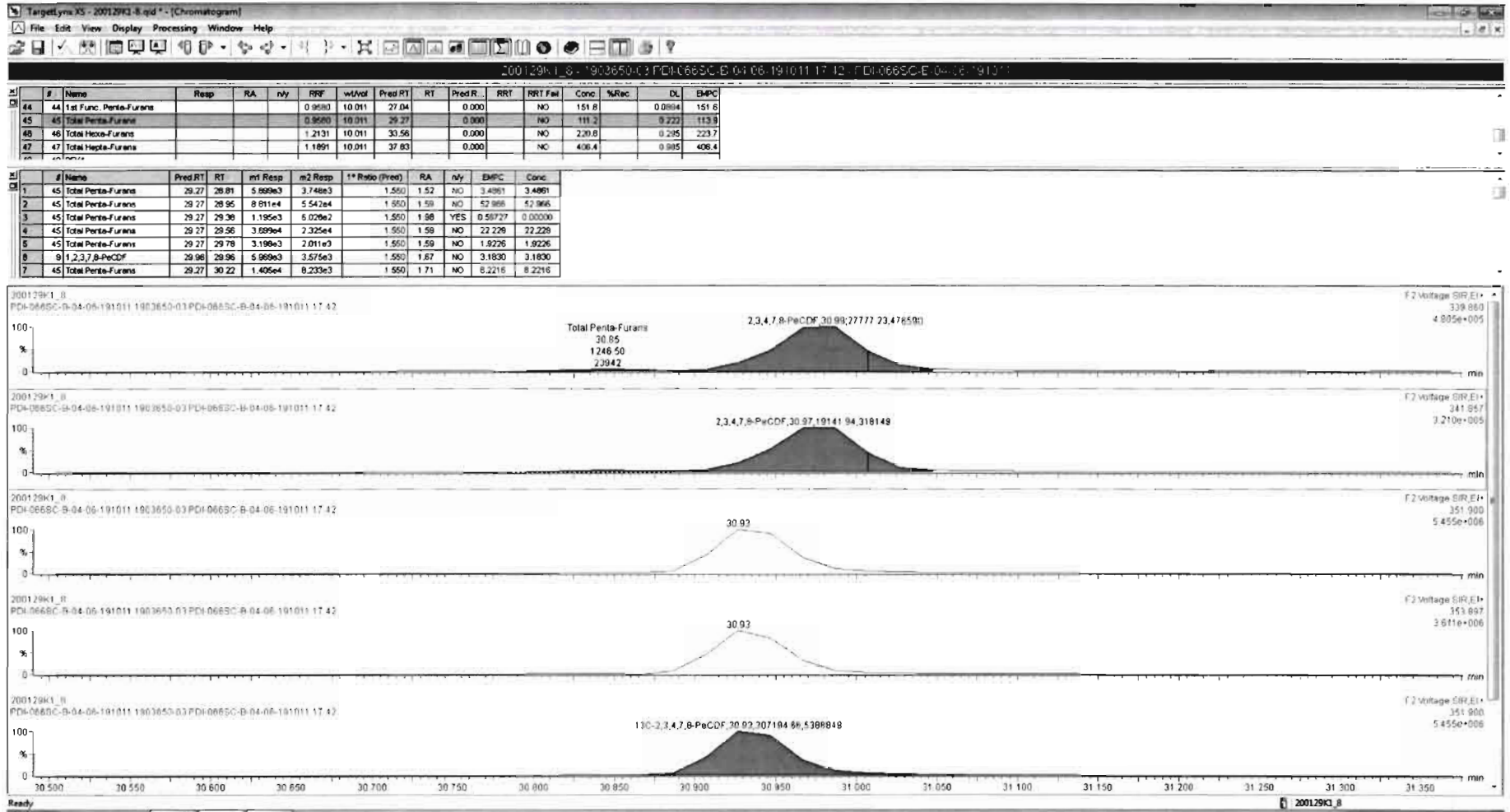
200129K1_8



DPE6

200129K1_8





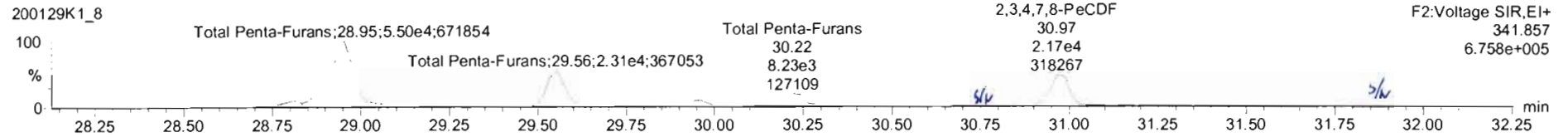
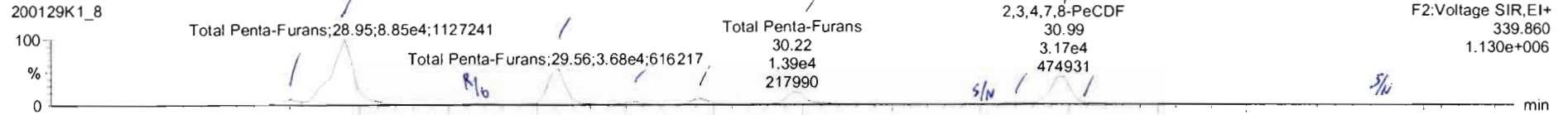
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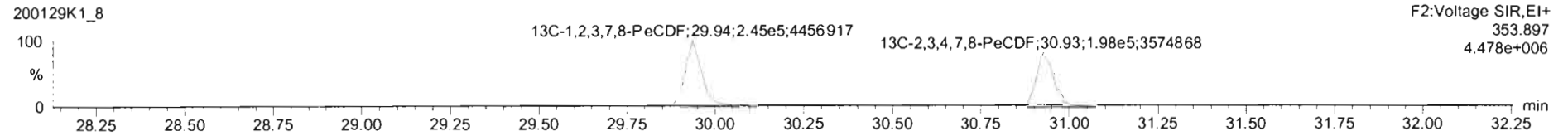
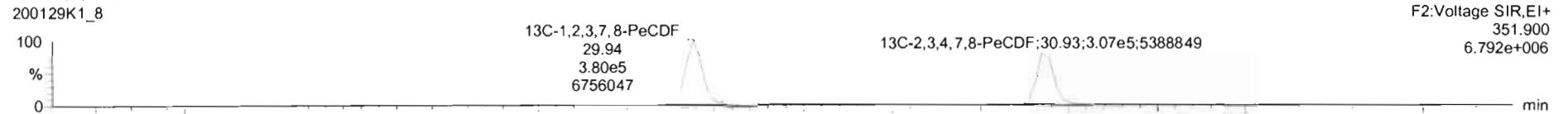
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Name: 200129K1_8, Date: 29-Jan-2020, Time: 20:50:02, ID: 1903650-03 PDI-066SC-B-04-06-191011 17.42, Description: PDI-066SC-B-04-06-191011

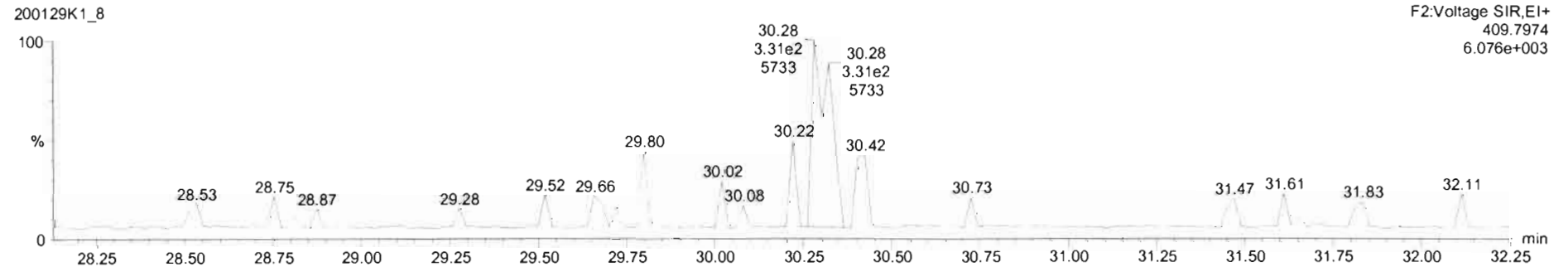
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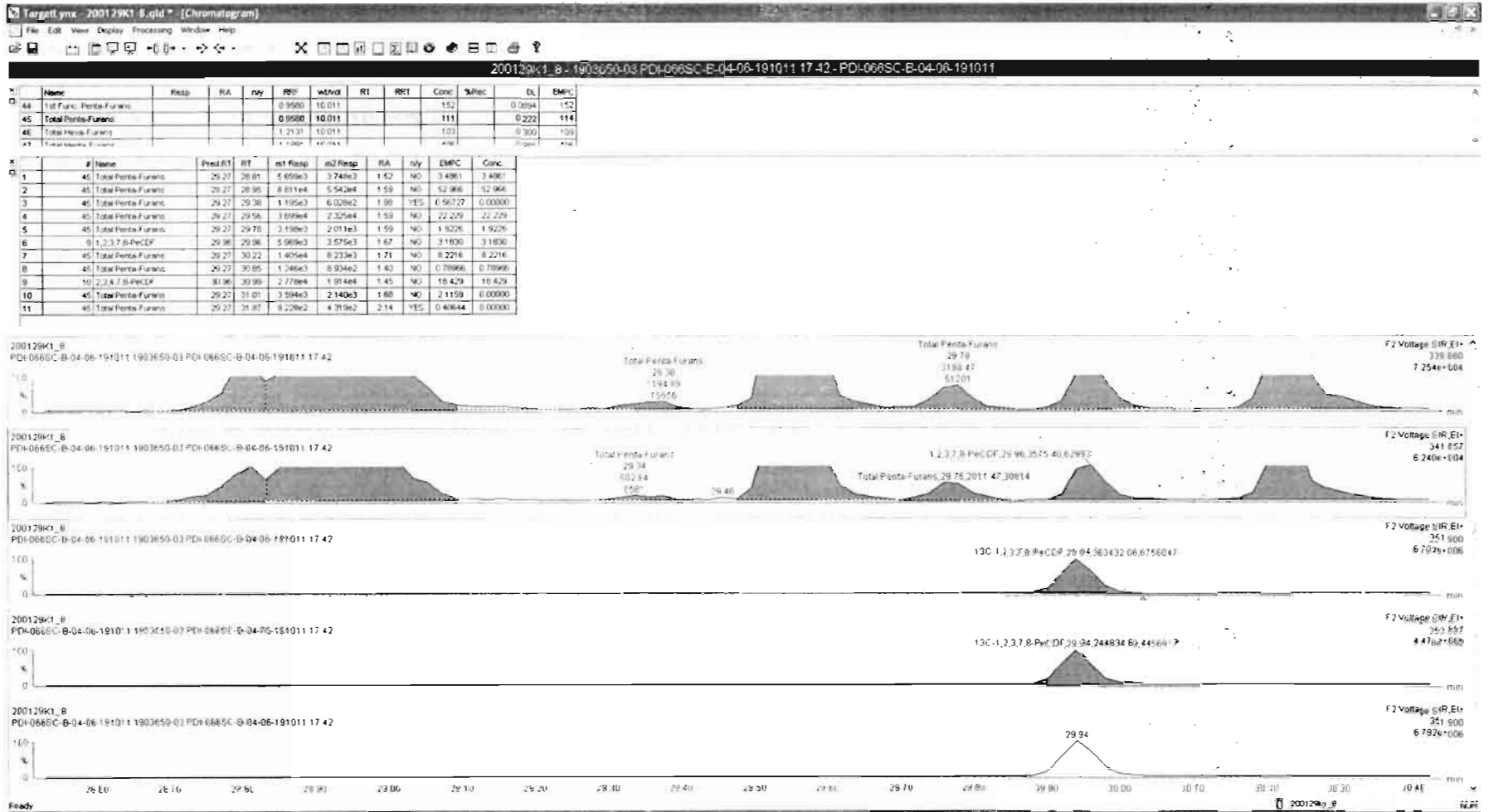


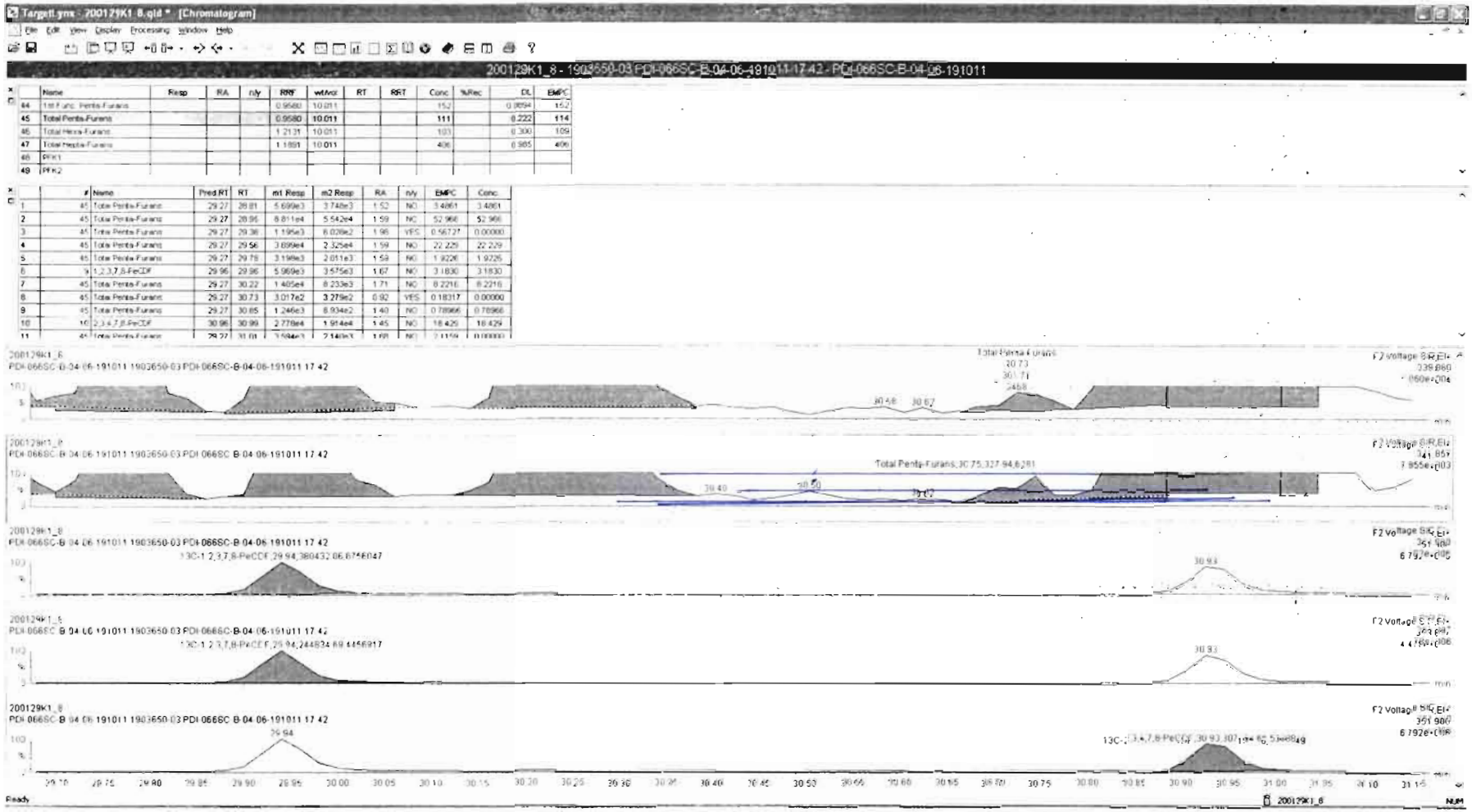
13C-1,2,3,7,8-PeCDF



DPE2



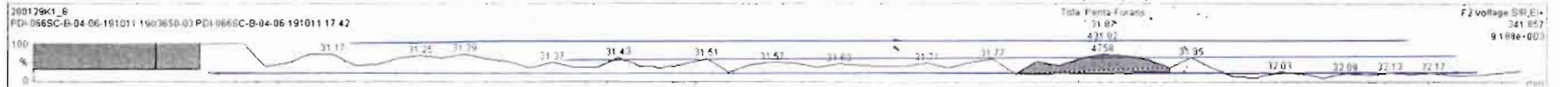
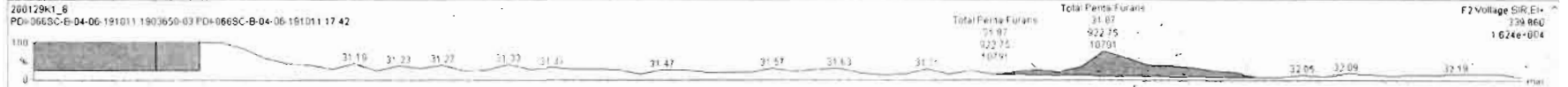




200129K1_8 - 1903650-03 PDI-066SC-B-04-06-191011 17:42 - PDI-066SC-B-04-06-191011

Name	Resp	RA	nMy	RWF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
44 Total Penta-Furans				0.9590	10.011			152		0.0094	142
45 Total Penta-Furans				0.9590	10.011			111	0.222	114	
46 Total Hexa-Furans				1.2131	10.011			103		0.300	106
47 Total Hepta-Furans				1.1024	10.011			102		0.064	102

#	Name	Prod RT	RT	m1 Resp	m2 Resp	RA	nMy	EMPC	Conc.
45	Total Penta-Furans	29.27	29.81	5.099e3	3.749e3	1.52	NO	3.4861	1.4661
45	Total Penta-Furans	29.27	29.95	8.011e4	5.542e4	1.59	NO	52.966	32.966
45	Total Penta-Furans	29.27	29.30	1.195e3	6.029e2	1.98	YES	0.56727	0.00000
45	Total Penta-Furans	29.27	29.56	3.699e4	2.325e4	1.59	NO	22.229	22.229
45	Total Penta-Furans	29.27	29.70	3.199e3	2.011e3	1.59	NO	1.9226	1.9226
8	1,2,3,7,8-PeCDF	29.96	29.96	5.909e3	3.575e3	1.67	NO	3.1830	3.1830
7	Total Penta-Furans	29.27	30.22	1.405e4	8.233e3	1.71	NO	8.2216	8.2216
45	Total Penta-Furans	29.27	30.85	1.249e3	8.034e2	1.40	NO	0.19965	0.19966
10	2,3,4,7,8-PeCDF	30.96	30.96	2.779e4	1.914e4	1.45	NO	18.429	18.429
45	Total Penta-Furans	29.27	31.01	3.594e3	2.143e3	1.69	NO	2.1158	0.00000
11	Total Penta-Furans	29.27	31.67	9.229e2	4.310e2	2.14	YES	0.40644	0.00000

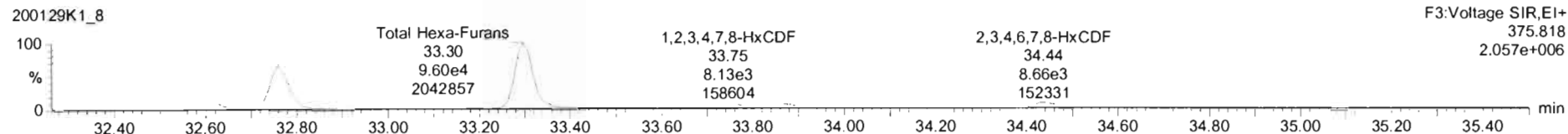
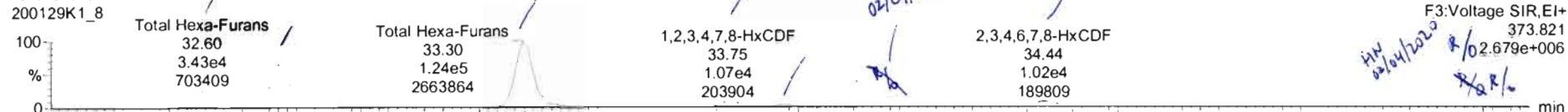


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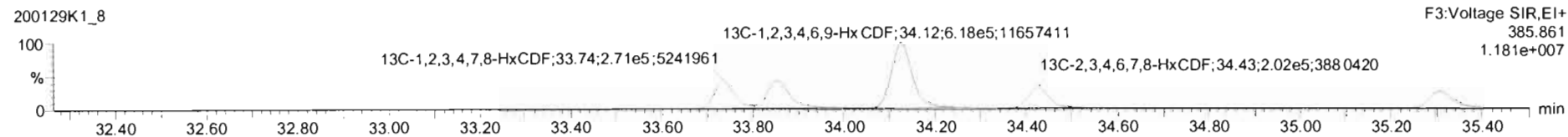
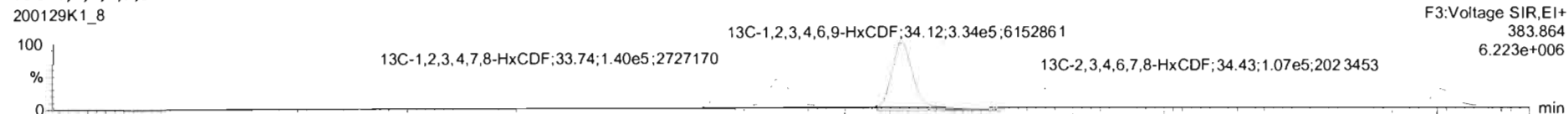
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Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_8, Date: 29-Jan-2020, Time: 20:50:02, ID: 1903650-03 PDI-066SC-B-04-06-191011 17.42, Description: PDI-066SC-B-04-06-191011

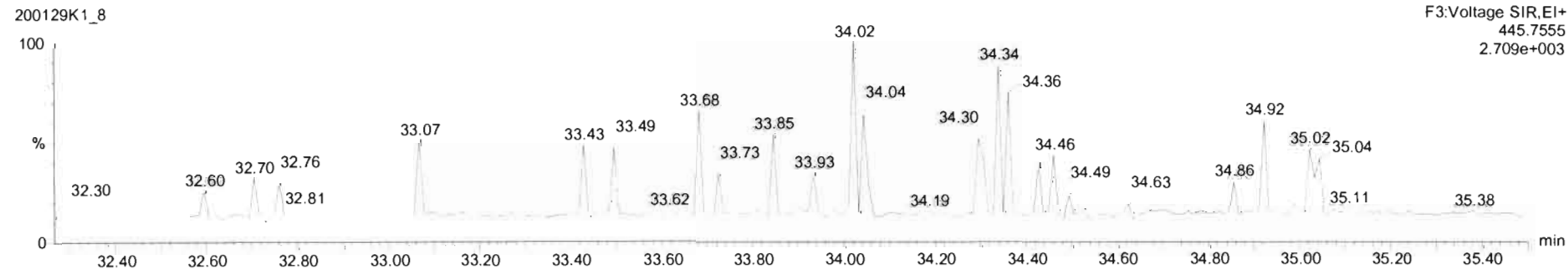
1,2,3,4,7,8-HxCDF

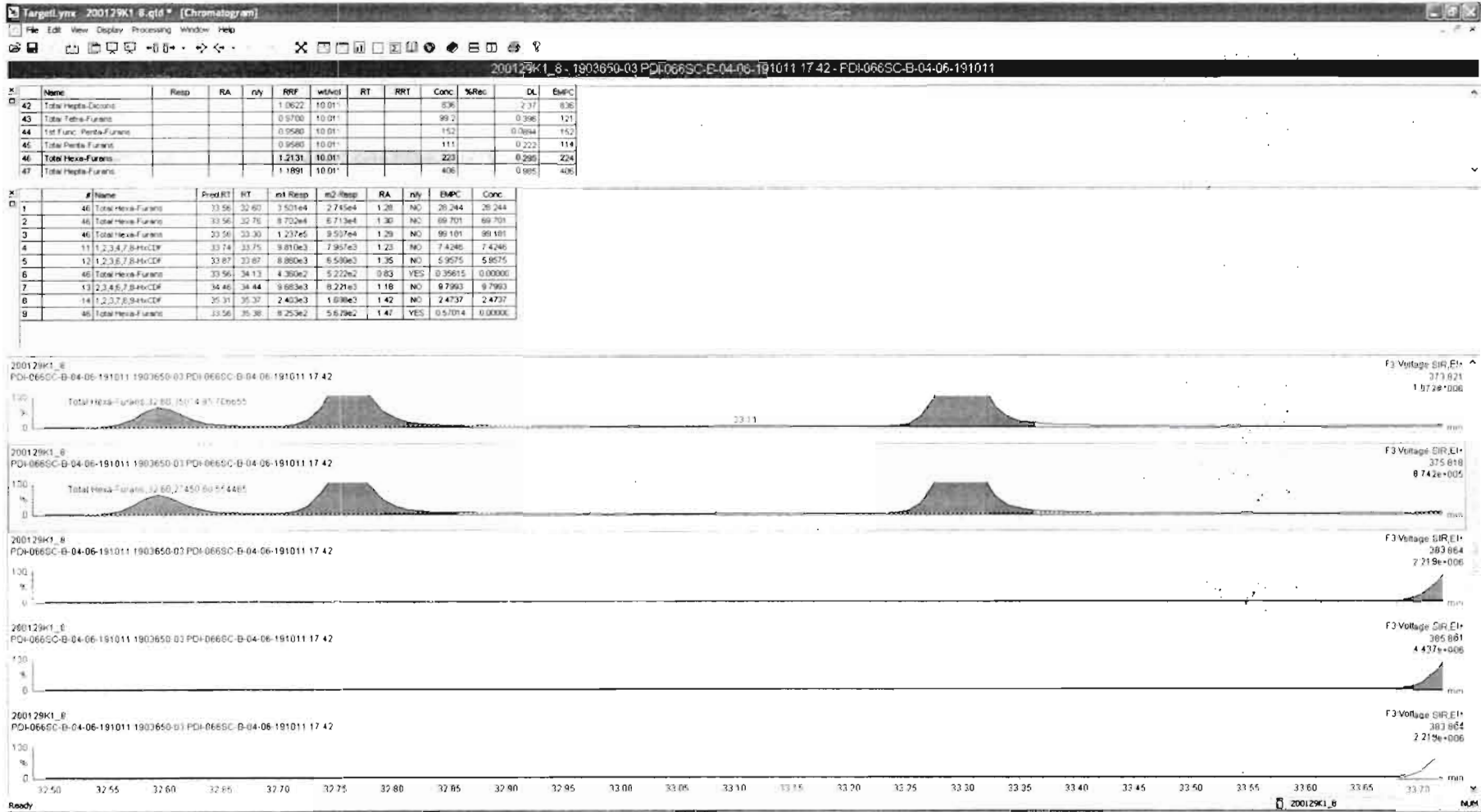


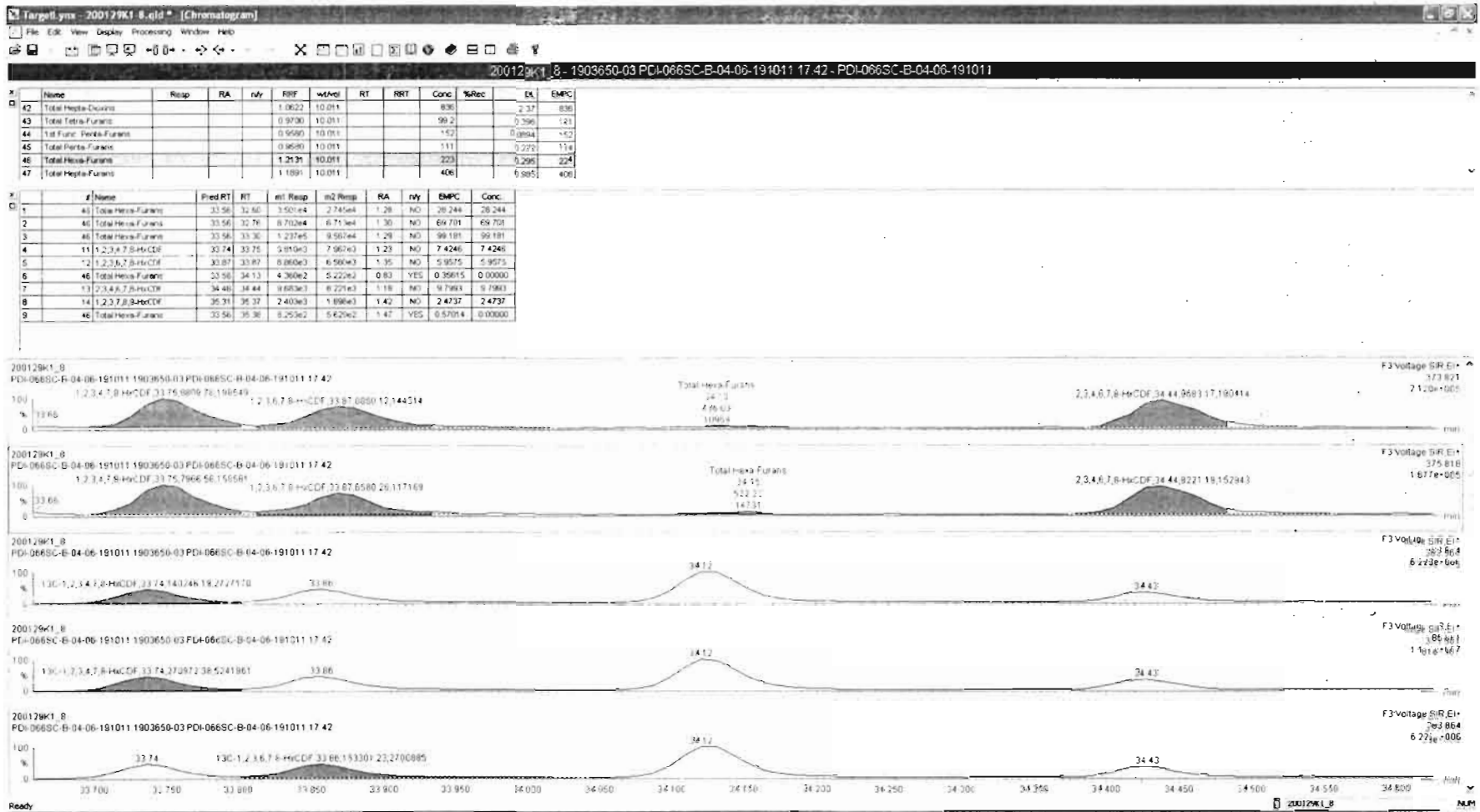
13C-1,2,3,4,7,8-HxCDF



DPE3







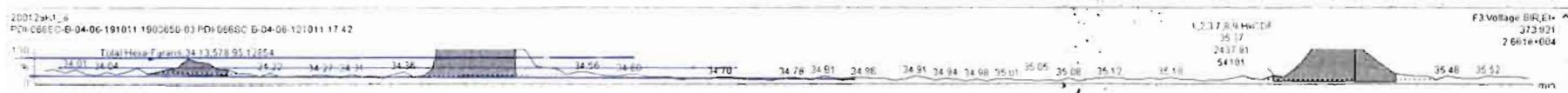
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200129K1_8 - 1903650-03 PDI-066SC-B-04-06-191011 17:42 - PDI-066SC-E-04-06-191011

#	Name	Resp	RA	nly	RRF	wtAvr	RT	RRT	Conc	%Rec	DL	EMPC
42	Total Hepta-Furans				1.0622	10.011			836		2.37	836
43	Total Tetra-Furans				0.9700	10.011			99.2		0.396	121
44	1st Func. Penta-Furans				0.9580	10.011			152		0.0904	152
45	Total Penta-Furans				0.9580	10.011			111		0.222	114
46	Total Hexa-Furans				1.2131	10.011			221		0.295	224
47	Total Hepta-Furans				1.1091	10.011			406		0.985	406

#	Name	Pred RT	RT	n1 Resp	n2 Resp	RA	nly	EMPC	Conc
1	46 Total Hexa-Furans	33.56	32.80	3.501e4	2.745e4	1.28	NO	26.244	26.244
2	46 Total Hexa-Furans	33.56	32.76	8.702e4	8.713e4	1.30	NO	66.701	66.701
3	46 Total Hexa-Furans	33.56	33.30	1.227e5	9.567e4	1.29	NO	99.181	99.181
4	11 1,2,3,4,7,8-HxCDF	33.74	33.75	9.810e3	7.967e3	1.23	NO	7.426	7.426
5	12 1,2,3,6,7,8-HxCDF	33.87	33.87	8.860e3	6.580e3	1.35	NO	5.957	5.957
6	46 Total Hexa-Furans	33.56	34.13	5.790e2	5.019e2	1.15	NO	0.46870	0.46870
7	13 2,3,4,6,7,8-HxCDF	34.46	34.44	9.683e3	8.271e3	1.18	NO	9.7993	9.7993
8	14 1,2,3,7,8-HxCDF	35.31	35.37	2.436e3	1.686e3	1.44	YES	2.2942	0.00000
9	46 Total Hexa-Furans	33.56	35.39	8.253e2	5.679e2	1.47	YES	0.57014	0.00000



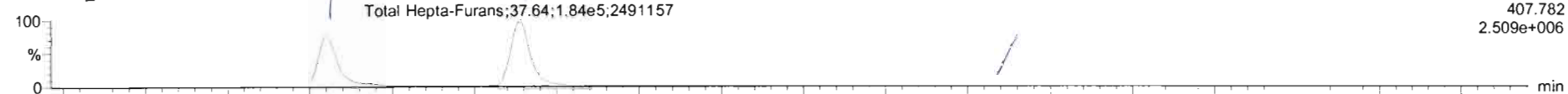
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Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

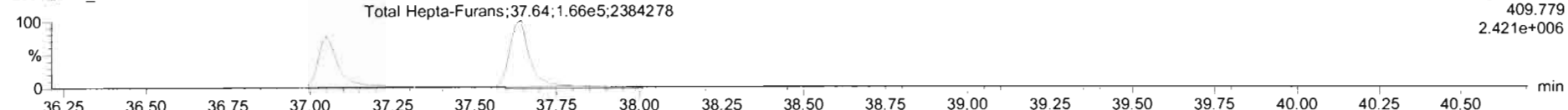
Name: 200129K1_8, Date: 29-Jan-2020, Time: 20:50:02, ID: 1903650-03 PDI-066SC-B-04-06-191011 17.42, Description: PDI-066SC-B-04-06-191011

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

200129K1_8

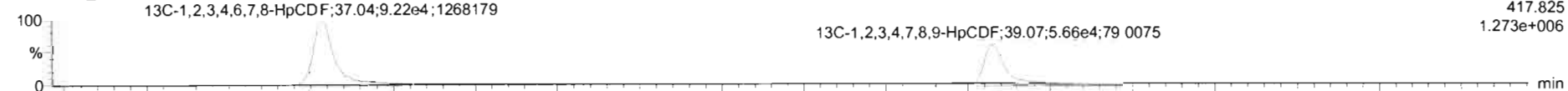


200129K1_8

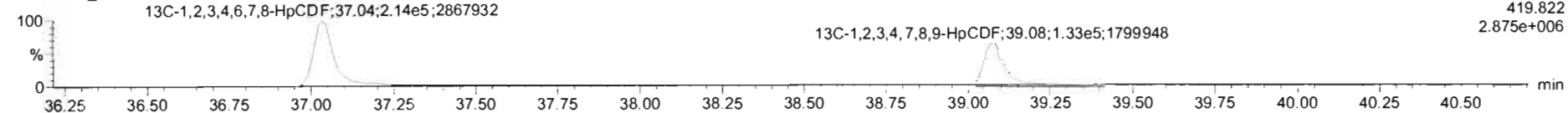


13C-1,2,3,4,6,7,8-HpCDF

200129K1_8

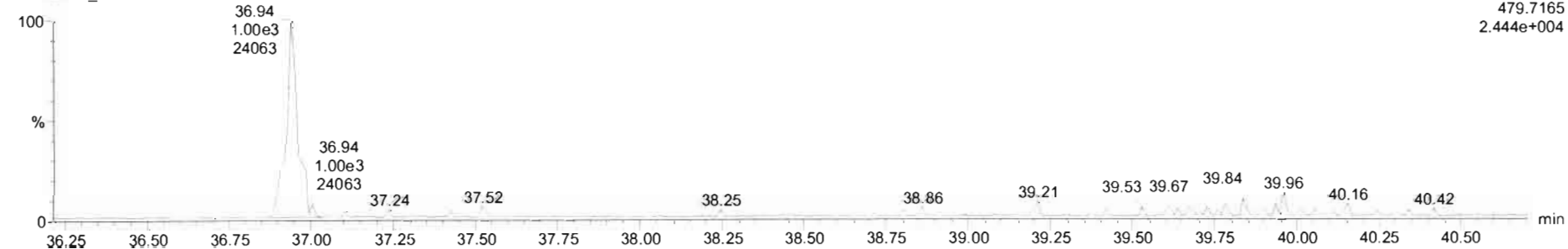


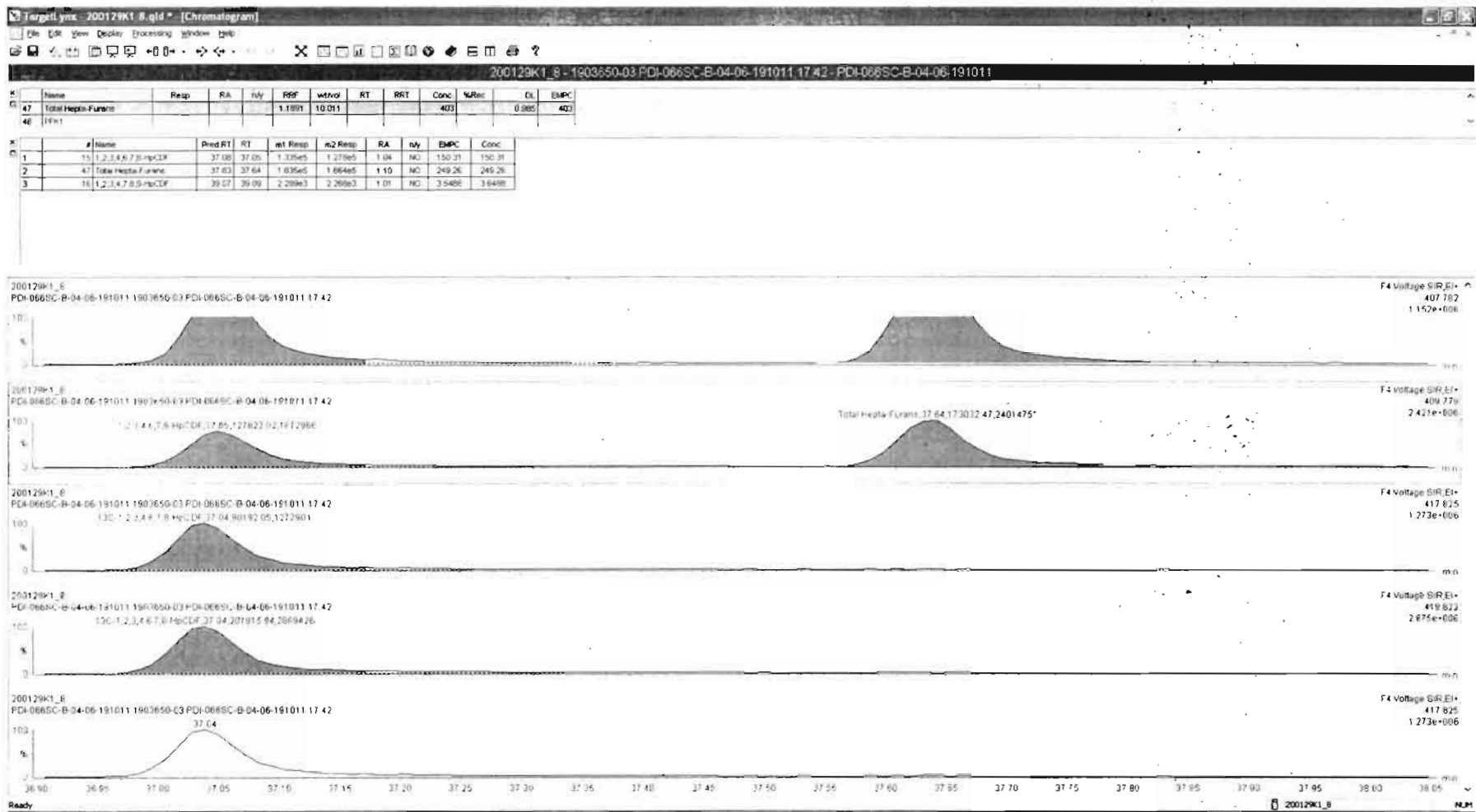
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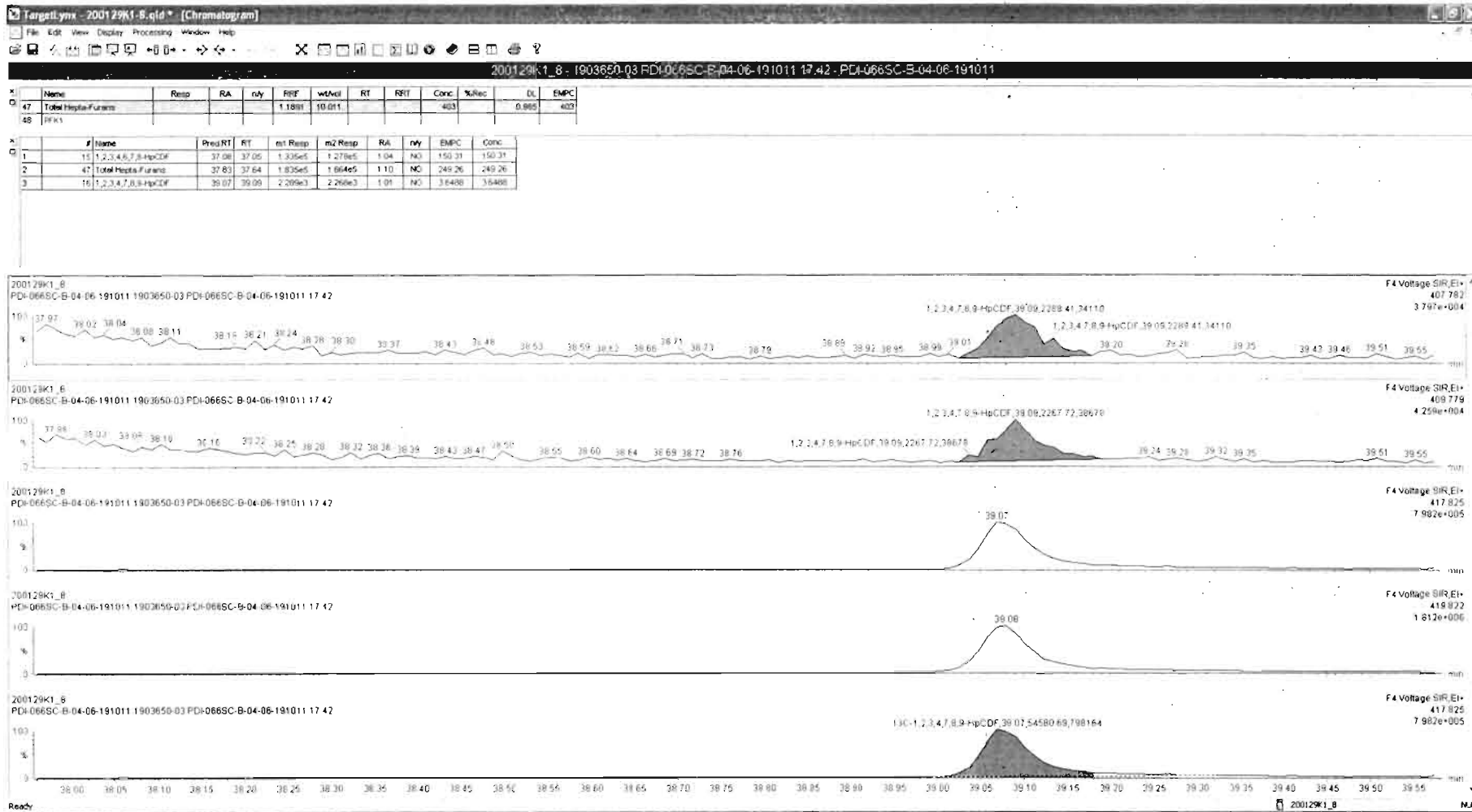


DPE4

200129K1_8







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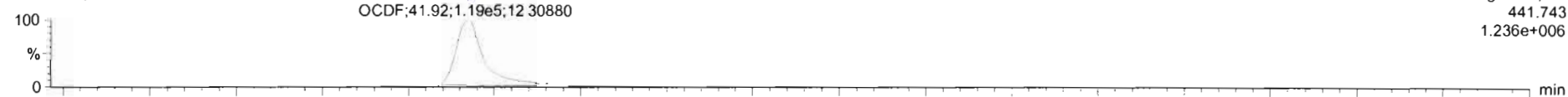
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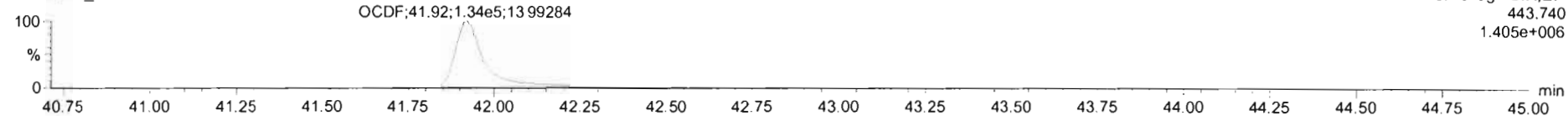
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OCDF

200129K1_8

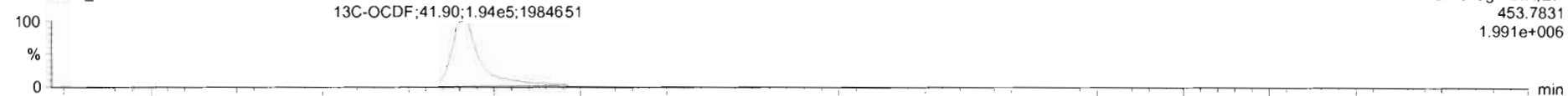


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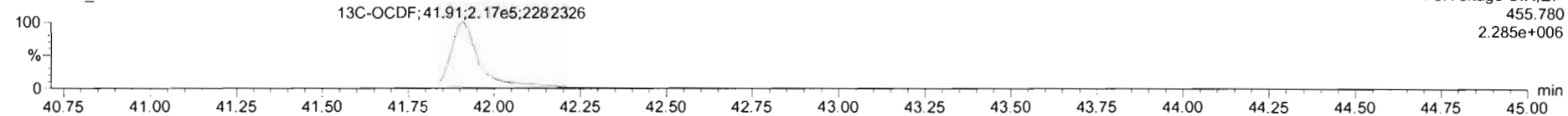


13C-OCDF

200129K1_8

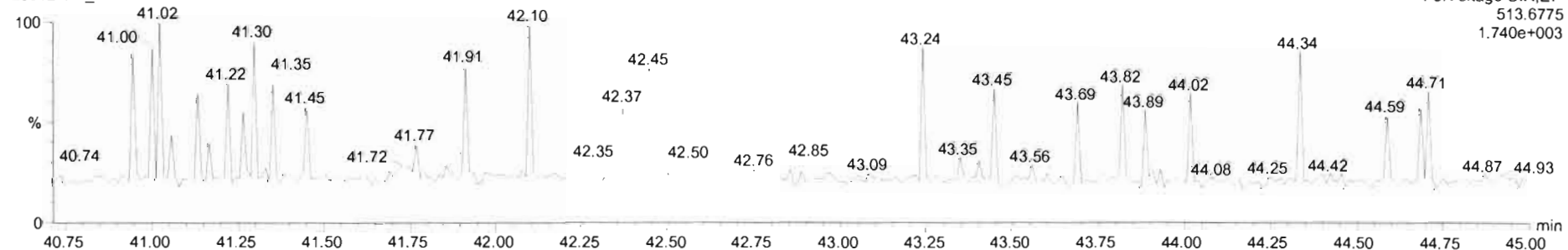


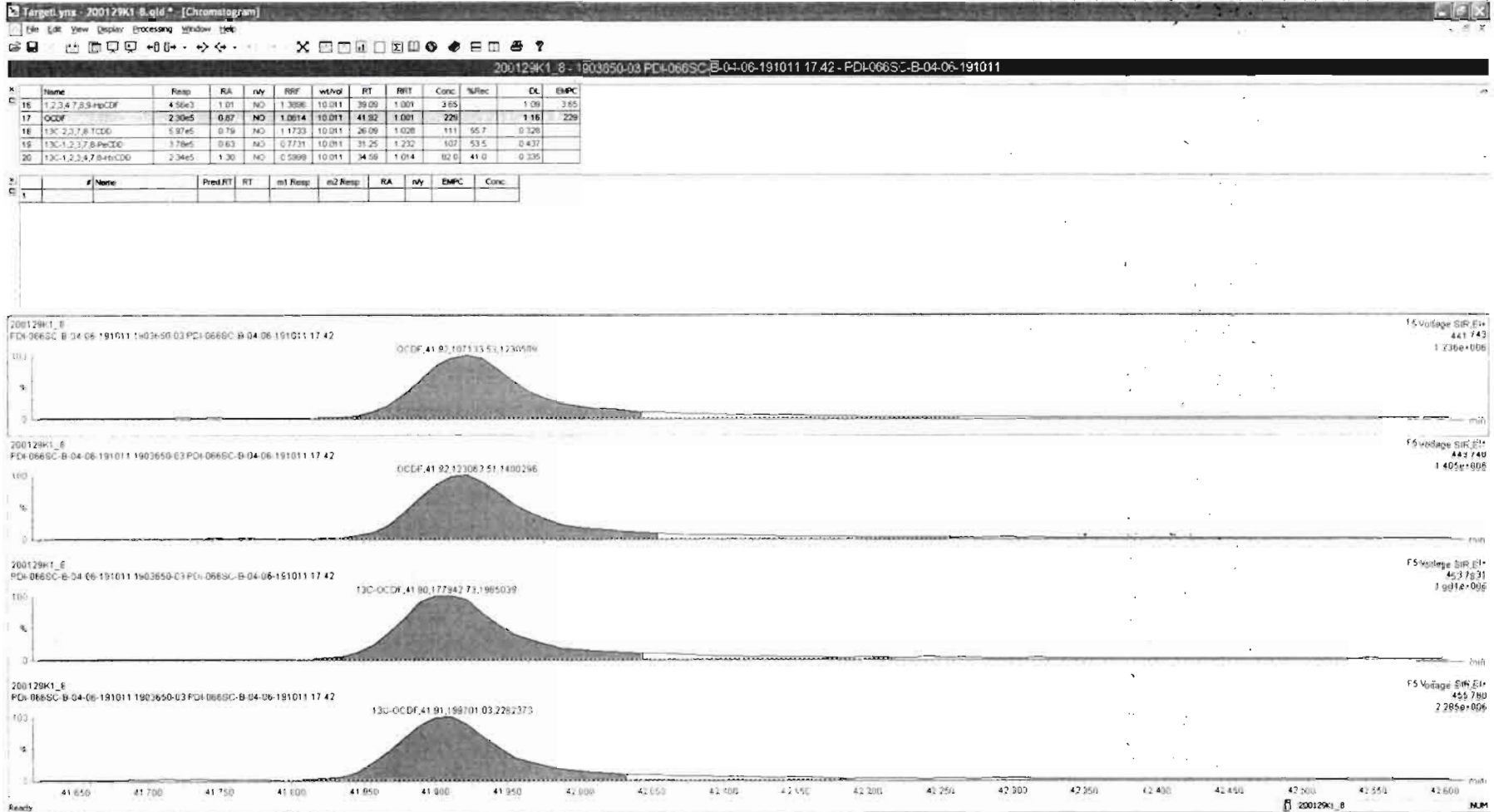
200129K1_8



DPE5

200129K1_8



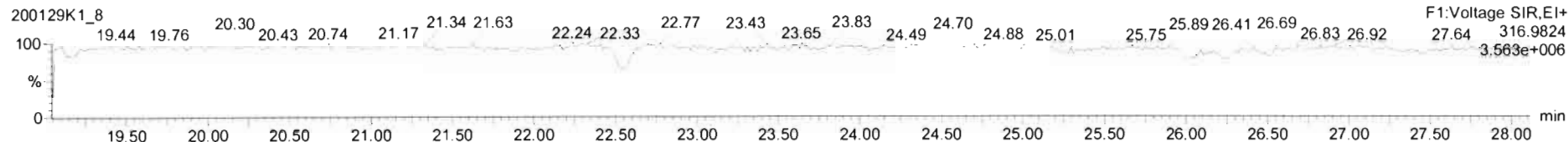


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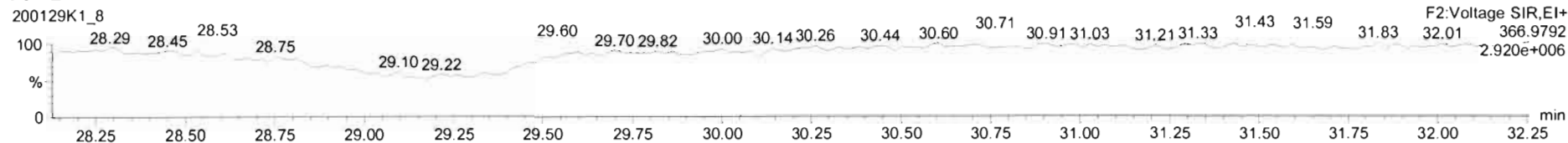
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Name: 200129K1_8, Date: 29-Jan-2020, Time: 20:50:02, ID: 1903650-03 PDI-066SC-B-04-06-191011 17.42, Description: PDI-066SC-B-04-06-191011

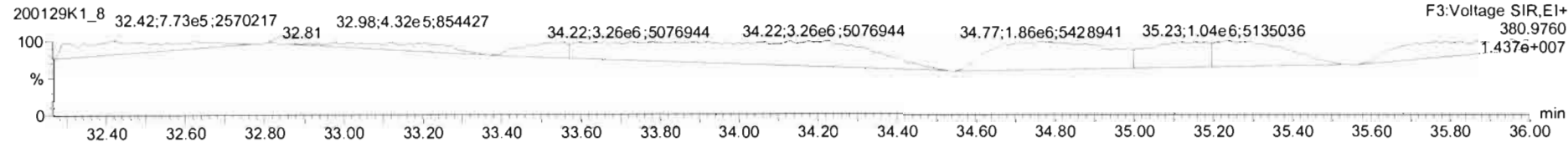
PFK1



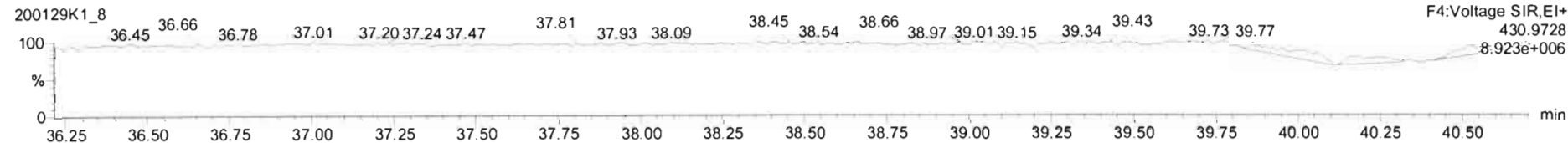
PFK2



PFK3



PFK4



PFK5



Dataset: U:\VG11.PRO\Results\200129K1\200129K1-9.qld

Last Altered: Tuesday, February 04, 2020 11:38:20 Pacific Standard Time

Printed: Tuesday, February 04, 2020 11:39:14 Pacific Standard Time

Handwritten: 2.4.2020

Handwritten: 07 02/11/2020

Method: Untitled 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_9, Date: 29-Jan-2020, Time: 21:38:23, ID: 1903650-04 PDI-066SC-B-06-08-191011 17.42, Description: PDI-066SC-B-06-08-191011

#	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	0.943	10.017	26.092		1.001				0.283	
2	2 1,2,3,7,8-PeCDD			NO	0.897	10.017	31.271		1.001				0.487	
3	3 1,2,3,4,7,8-HxCDD			NO	1.17	10.017	34.602		1.000				0.404	
4	4 1,2,3,6,7,8-HxCDD	2.61e3	1.23	NO	1.01	10.017	34.691	34.71	1.000	1.001	2.5822		0.438	2.58
5	5 1,2,3,7,8,9-HxCDD	7.46e2	1.59	YES	0.982	10.017	35.000	34.98	1.001	1.000	0.78764		0.486	0.681
6	6 1,2,3,4,6,7,8-HpCDD	5.94e4	1.05	NO	1.06	10.017	38.445	38.46	1.000	1.001	86.344		1.94	86.3
7	7 OCDD	7.19e5	0.91	NO	1.04	10.017	41.692	41.70	1.000	1.000	1266.1		2.88	1270
8	8 2,3,7,8-TCDF			NO	0.970	10.017	25.092		1.001				0.425	
9	9 1,2,3,7,8-PeCDF			NO	0.958	10.017	29.941		1.001				0.418	
10	10 2,3,4,7,8-PeCDF	1.17e3	1.39	NO	1.01	10.017	30.930	30.95	1.000	1.001	0.79087		0.422	0.791
11	11 1,2,3,4,7,8-HxCDF	2.80e3	1.19	NO	1.16	10.017	33.736	33.75	1.000	1.000	1.9781		0.412	1.98
12	12 1,2,3,6,7,8-HxCDF	3.78e3	1.46	YES	1.14	10.017	33.856	33.86	1.000	1.000	2.4354		0.413	2.22
13	13 2,3,4,6,7,8-HxCDF	4.38e3	1.38	NO	1.21	10.017	34.451	34.44	1.001	1.001	2.6532		0.374	2.65
14	14 1,2,3,7,8,9-HxCDF			NO	1.13	10.017	35.302		1.000				0.549	
15	15 1,2,3,4,6,7,8-HpCDF	1.69e5	1.06	NO	1.19	10.017	37.065	37.04	1.001	1.000	166.31		0.972	166
16	16 1,2,3,4,7,8,9-HpCDF	8.28e2	1.31	YES	1.39	10.017	39.069	39.07	1.000	1.000	0.92099		1.1	0.816
17	17 OCDF	5.76e4	0.90	NO	1.06	10.017	41.879	41.89	1.000	1.000	77.985		0.830	78.0
18	18 13C-2,3,7,8-TCDD	2.72e5	0.74	NO	1.17	10.017	26.053	26.06	1.027	1.028	137.71	69.0	0.813	
19	19 13C-1,2,3,7,8-PeCDD	2.16e5	0.62	NO	0.773	10.017	31.228	31.25	1.232	1.232	166.23	83.3	0.749	
20	20 13C-1,2,3,4,7,8-HxCDD	1.58e5	1.27	NO	0.600	10.017	34.580	34.59	1.014	1.014	146.28	73.3	1.57	
21	21 13C-1,2,3,6,7,8-HxCDD	2.01e5	1.31	NO	0.763	10.017	34.679	34.69	1.017	1.017	146.54	73.4	1.23	
22	22 13C-1,2,3,7,8,9-HxCDD	1.93e5	1.37	NO	0.676	10.017	34.951	34.97	1.025	1.025	158.61	79.4	1.39	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.29e5	1.06	NO	0.455	10.017	38.444	38.43	1.127	1.127	158.27	79.3	1.38	
24	24 13C-OCDD	2.17e5	0.88	NO	0.371	10.017	41.671	41.69	1.222	1.222	325.98	81.6	1.60	
25	25 13C-2,3,7,8-TCDF	4.02e5	0.76	NO	1.07	10.017	25.069	25.07	0.989	0.989	157.67	79.0	1.10	
26	26 13C-1,2,3,7,8-PeCDF	3.70e5	1.62	NO	0.765	10.017	29.917	29.92	1.180	1.180	202.81	102	1.20	
27	27 13C-2,3,4,7,8-PeCDF	2.92e5	1.52	NO	0.726	10.017	30.927	30.93	1.220	1.220	168.98	84.6	1.27	
28	28 13C-1,2,3,4,7,8-HxCDF	2.43e5	0.52	NO	0.965	10.017	33.720	33.74	0.989	0.989	140.00	70.1	1.31	
29	29 13C-1,2,3,6,7,8-HxCDF	2.71e5	0.51	NO	1.09	10.017	33.836	33.85	0.992	0.992	138.05	69.1	1.15	
30	30 13C-2,3,4,6,7,8-HxCDF	2.72e5	0.53	NO	0.984	10.017	34.409	34.42	1.009	1.009	153.77	77.0	1.28	
31	31 13C-1,2,3,7,8,9-HxCDF	2.38e5	0.52	NO	0.790	10.017	35.310	35.31	1.035	1.035	167.41	83.8	1.60	

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-9.qld

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Name: 200129K1_9, Date: 29-Jan-2020, Time: 21:38:23, ID: 1903650-04 PDI-066SC-B-06-08-191011 17.42, Description: PDI-066SC-B-06-08-191011

#	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	1.71e5	0.45	NO	0.734	10.017	37.022	37.03	1.085	1.086	129.67	64.9	1.29	
33	13C-1,2,3,4,7,8,9-HpCDF	1.29e5	0.43	NO	0.459	10.017	39.045	39.07	1.145	1.145	156.31	78.3	2.07	
34	13C-OCDF	2.78e5	0.89	NO	0.500	10.017	41.906	41.88	1.229	1.228	309.27	77.4	1.59	
35	37Cl-2,3,7,8-TCDD	1.05e5			1.12	10.017	26.073	26.09	1.028	1.029	55.551	69.6	0.234	
36	13C-1,2,3,4-TCDD	3.36e5	0.82	NO	1.00	10.017	25.360	25.36	1.000	1.000	199.66	100	0.954	
37	13C-1,2,3,4-TCDF	4.76e5	0.79	NO	1.00	10.017	23.430	23.45	1.000	1.000	199.66	100	1.18	
38	13C-1,2,3,4,6,9-HxCDF	3.59e5	0.53	NO	1.00	10.017	34.100	34.11	1.000	1.000	199.66	100	1.26	
39	Total Tetra-Dioxins				0.943	10.017	24.620		0.000		0.00000		0.145	0.392
40	Total Penta-Dioxins				0.897	10.017	29.960		0.000		2.3104		0.487	3.17
41	Total Hexa-Dioxins				1.01	10.017	33.635		0.000		23.185		0.459	25.1
42	Total Hepta-Dioxins				1.06	10.017	38.800		0.000		228.02		1.94	228
43	Total Tetra-Furans				0.970	10.017	23.610		0.000		10.888		0.425	13.6
44	1st Func. Penta-Furans				0.958	10.017	27.040		0.000		21.873		0.124	21.9
45	Total Penta-Furans				0.958	10.017	29.275		0.000		2.6344		0.429	16.9
46	Total Hexa-Furans				1.21	10.017	33.555		0.000		79.434		0.415	81.7
47	Total Hepta-Furans				1.19	10.017	37.835		0.000		313.70		1.11	315

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Method: Untitled 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_9, Date: 29-Jan-2020, Time: 21:38:23, ID: 1903650-04 PDI-066SC-B-06-08-191011 17.42, Description: PDI-066SC-B-06-08-191011

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Tetra-Dioxins	21.72	3.754e3	4.592e3	3.032e2	2.845e2	1.07	YES	0.000e0	0.00000	0.39163	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	29.00	9.244e3	1.785e4	8.052e2	1.443e3	0.56	NO	2.248e3	2.3104	2.3104	0.487
2 Total Penta-Dioxins	30.00	8.827e3	1.175e4	4.033e2	5.147e2	0.78	YES	0.000e0	0.00000	0.86210	0.487

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Hexa-Dioxins	33.13	8.846e4	7.710e4	4.260e3	3.691e3	1.15	NO	7.951e3	8.5865	8.5865	0.459
2 Total Hexa-Dioxins	33.69	1.364e4	1.184e4	7.329e2	4.916e2	1.49	YES	0.000e0	0.00000	1.1893	0.459
3 Total Hexa-Dioxins	33.94	9.091e4	7.668e4	6.140e3	4.986e3	1.23	NO	1.113e4	12.016	12.016	0.459
4 1,2,3,6,7,8-HxCDD	34.71	2.747e4	2.649e4	1.440e3	1.175e3	1.23	NO	2.615e3	2.5822	2.5822	0.438
5 1,2,3,7,8,9-HxCDD	34.98	1.217e4	7.223e3	4.578e2	2.879e2	1.59	YES	7.458e2	0.00000	0.68123	0.486

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Hepta-Dioxins	37.42	7.372e5	6.759e5	5.015e4	4.730e4	1.06	NO	9.745e4	141.67	141.67	1.94
2 1,2,3,4,6,7,8-HpCDD	38.46	3.866e5	3.642e5	3.044e4	2.895e4	1.05	NO	5.939e4	86.344	86.344	1.94

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Name: 200129K1_9, Date: 29-Jan-2020, Time: 21:38:23, ID: 1903650-04 PDI-066SC-B-06-08-191011 17.42, Description: PDI-066SC-B-06-08-191011

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	19.67	5.118e3	4.634e3	3.352e2	2.834e2	1.18	YES	0.000e0	0.00000	0.25712	0.425
2	Total Tetra-Furans	20.17	8.107e3	9.213e3	5.441e2	8.310e2	0.65	NO	1.375e3	0.70485	0.70485	0.425
3	Total Tetra-Furans	20.77	4.535e4	5.949e4	4.088e3	5.452e3	0.75	NO	9.540e3	4.8899	4.8899	0.425
4	Total Tetra-Furans	21.67	1.653e4	2.321e4	1.663e3	2.315e3	0.72	NO	3.977e3	2.0388	2.0388	0.425
5	Total Tetra-Furans	22.16	2.314e4	2.823e4	2.086e3	2.515e3	0.83	NO	4.601e3	2.3582	2.3582	0.425
6	Total Tetra-Furans	23.31	1.572e4	2.126e4	1.768e3	1.996e3	0.89	YES	0.000e0	0.00000	1.8110	0.425
7	Total Tetra-Furans	26.84	4.908e3	6.912e3	3.408e2	3.926e2	0.87	NO	7.334e2	0.37594	0.37594	0.425
8	Total Tetra-Furans	26.99	9.042e3	8.149e3	4.615e2	5.545e2	0.83	NO	1.016e3	0.52074	0.52074	0.425
9	Total Tetra-Furans	27.30	1.007e4	9.590e3	6.952e2	6.621e2	1.05	YES	0.000e0	0.00000	0.60067	0.425

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	27.27	3.234e5	1.976e5	2.134e4	1.339e4	1.59	NO	3.473e4	21.873	21.873	0.124

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.79	1.092e4	1.065e4	7.615e2	6.698e2	1.14	YES	0.000e0	0.00000	0.78904	0.429
2	Total Penta-Furans	28.93	9.917e4	6.700e4	8.206e3	5.423e3	1.51	NO	0.000e0	0.00000	8.5835	0.429
3	Total Penta-Furans	29.54	5.949e4	3.223e4	3.750e3	2.052e3	1.83	YES	0.000e0	0.00000	3.2951	0.429
4	Total Penta-Furans	30.22	2.114e4	1.048e4	1.172e3	6.426e2	1.82	YES	0.000e0	0.00000	1.0320	0.429
5	Total Penta-Furans	30.30	8.600e3	9.452e3	4.981e2	3.732e2	1.33	NO	0.000e0	0.00000	0.54877	0.429
6	2,3,4,7,8-PeCDF	30.95	2.805e4	1.785e4	6.786e2	4.876e2	1.39	NO	1.166e3	0.79087	0.79087	0.422
7	Total Penta-Furans	30.97	4.175e4	2.333e4	1.831e3	1.096e3	1.67	NO	2.927e3	1.8435	1.8435	0.429

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Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.60	1.872e5	1.482e5	9.030e3	7.330e3	1.23	NO	1.636e4	10.530	10.530	0.415
2	Total Hexa-Furans	32.75	3.868e5	3.167e5	1.979e4	1.578e4	1.25	NO	3.557e4	22.895	22.895	0.415
3	Total Hexa-Furans	33.29	7.351e5	5.907e5	3.542e4	2.793e4	1.27	NO	6.335e4	40.777	40.777	0.415
4	1,2,3,4,7,8-HxCDF	33.75	3.079e4	2.882e4	1.521e3	1.274e3	1.19	NO	2.795e3	1.9781	1.9781	0.412
5	1,2,3,6,7,8-HxCDF	33.86	4.218e4	2.997e4	2.242e3	1.538e3	1.46	YES	3.780e3	0.00000	2.2198	0.413
6	2,3,4,6,7,8-HxCDF	34.44	4.685e4	3.326e4	2.538e3	1.840e3	1.38	NO	4.378e3	2.6532	2.6532	0.374
7	Total Hexa-Furans	35.35	8.357e3	9.323e3	5.281e2	4.064e2	1.30	NO	9.345e2	0.60147	0.60147	0.415

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	37.04	1.270e6	1.186e6	8.707e4	8.210e4	1.06	NO	1.692e5	166.31	166.31	0.972
2	Total Hepta-Furans	37.63	9.567e5	9.382e5	6.651e4	6.496e4	1.02	NO	1.315e5	147.38	147.38	1.11
3	1,2,3,4,7,8,9-HpCDF	39.07	9.968e3	7.933e3	4.696e2	3.585e2	1.31	YES	8.280e2	0.00000	0.81606	1.11

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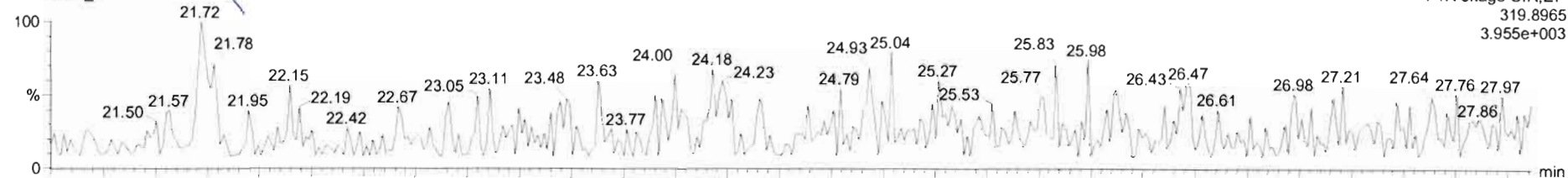
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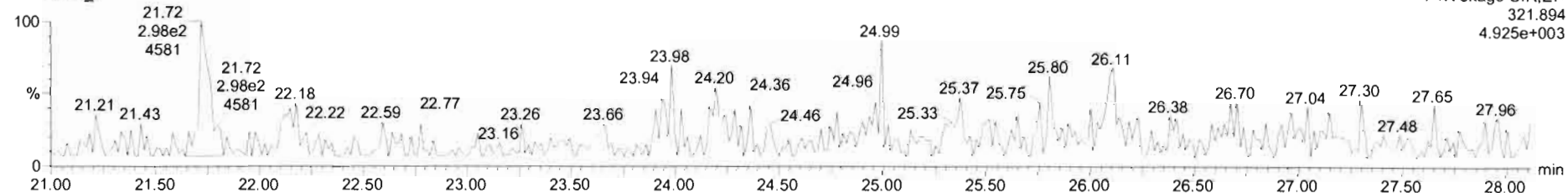
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2,3,7,8-TCDD

200129K1_9

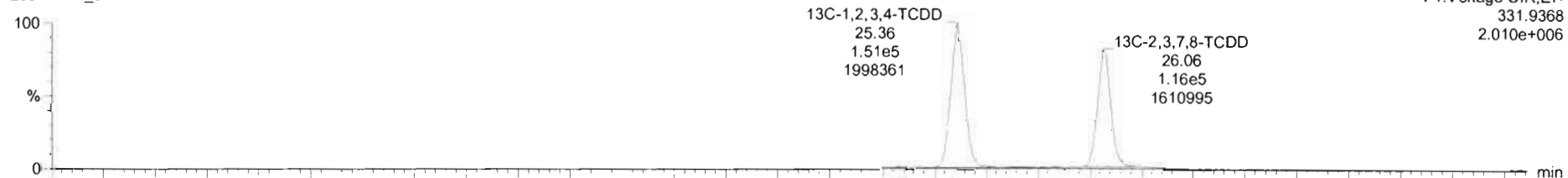


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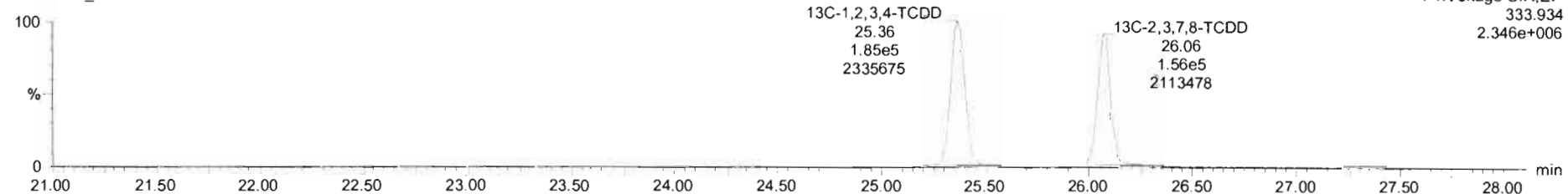


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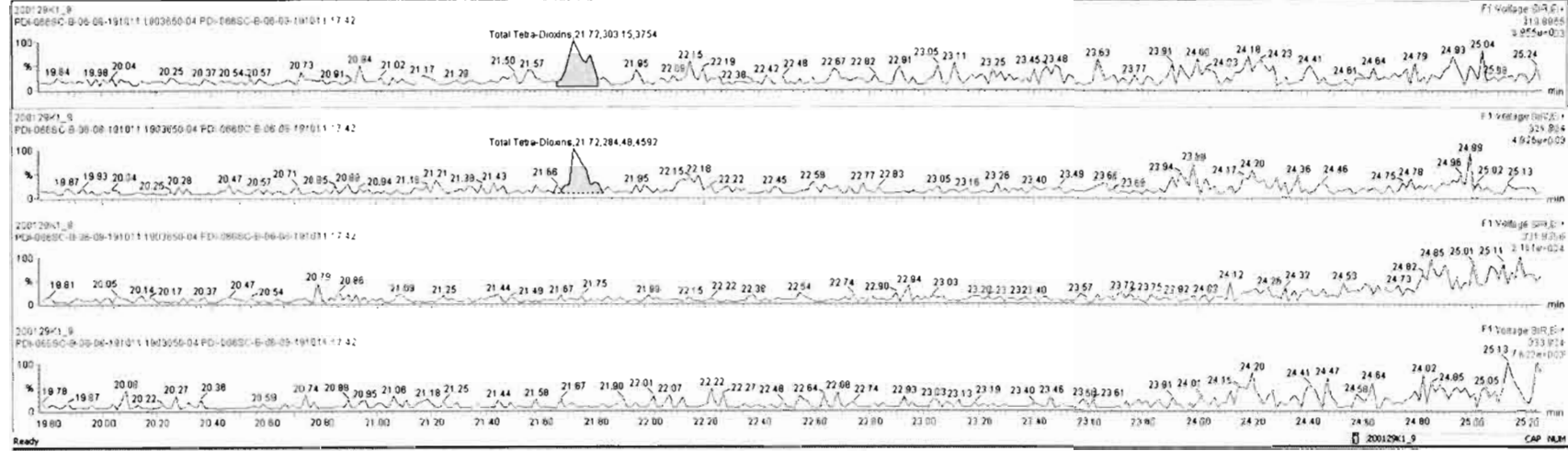


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Name	Resp	RA	nly	RF	width	RT	RT1	Conc	%Rec	DL	EMPC
35 37C-2,3,7,8-TCDD	1.05e5			1.1244	10.017	26.09	1.079	55.8	99.8	0.234	
36 13C-1,2,3,4-TCDD	3.36e5	0.82	NO	1.0000	10.017	25.36	1.000	200	100	0.954	
37 13C-1,2,3,4-TCDF	4.78e5	0.78	NO	1.0000	10.017	23.45	1.000	200	100	1.19	
38 13C-1,2,3,4,6,9-HxCDF	7.59e5	0.53	NO	1.0000	10.017	34.11	1.000	200	100	1.26	
39 Total Tetra-Dioxins				0.9431	10.017			0.000		0.145	0.282
40 Total Penta-Dioxins				0.9974	10.017			0.000		0.200	4.12
41 Total Hexa-Dioxins				1.0068	10.017			24.5		0.458	25.8
42 Total Hepta-Dioxins				1.0622	10.017			226		1.96	226
43 Total Tetra-Furans				0.9700	10.017			12.1		0.425	14.4
44 1st Func. Penta-Furans				0.9580	10.017			21.9		0.124	21.9
46 Total Dioxin Furans				0.9641	10.017			7.74		0.470	17.4

Name	RT	int Resp	int Resp	RA	nly	EMPC	Conc.
1 Total Tetra-Dioxins	21.72	3.032e2	2.845e2	1.07	YES	0.39183	0.00000



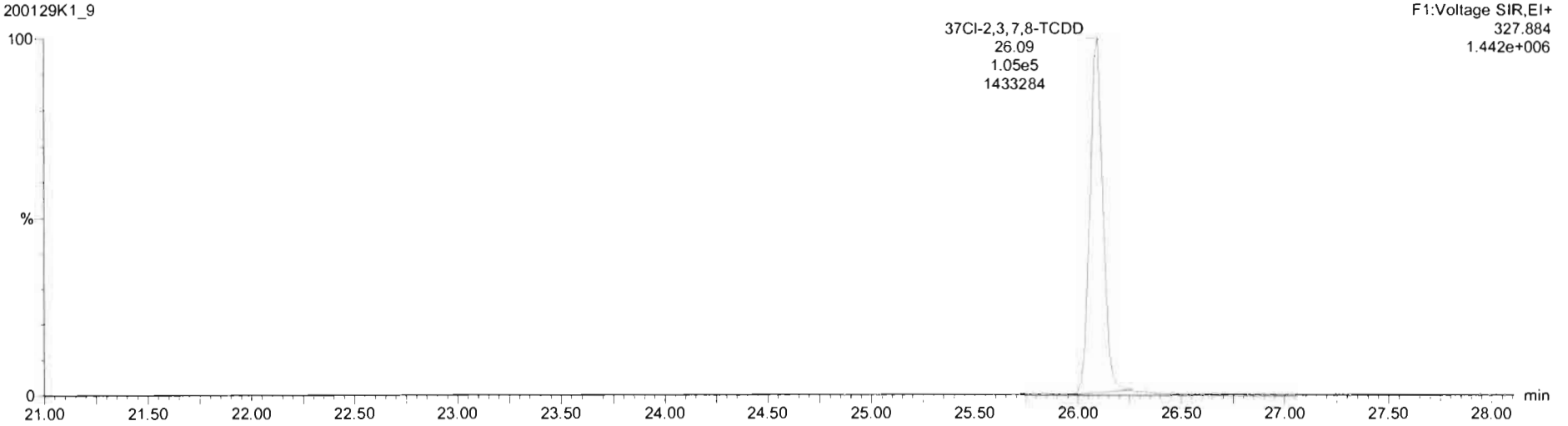
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Name: 200129K1_9, Date: 29-Jan-2020, Time: 21:38:23, ID: 1903650-04 PDI-066SC-B-06-08-191011 17.42, Description: PDI-066SC-B-06-08-191011

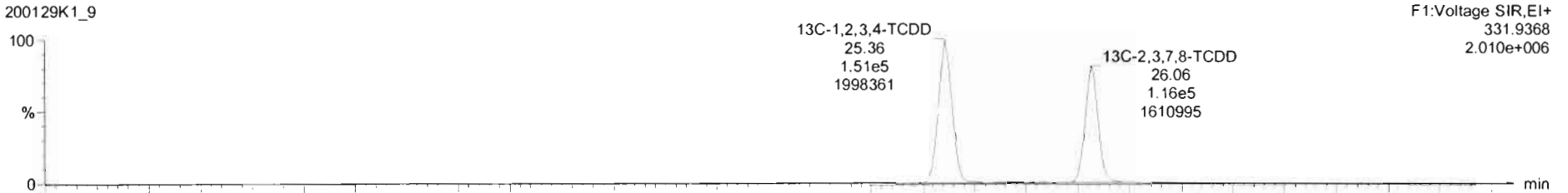
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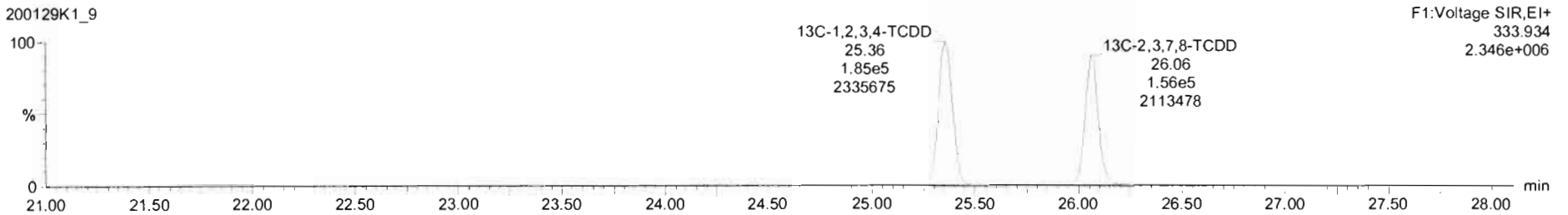


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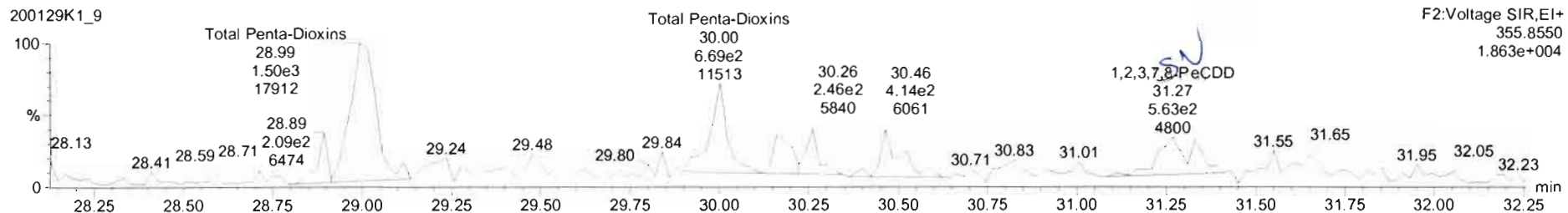
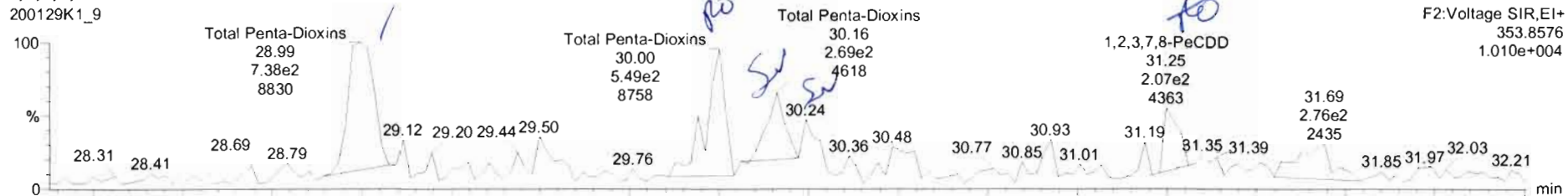


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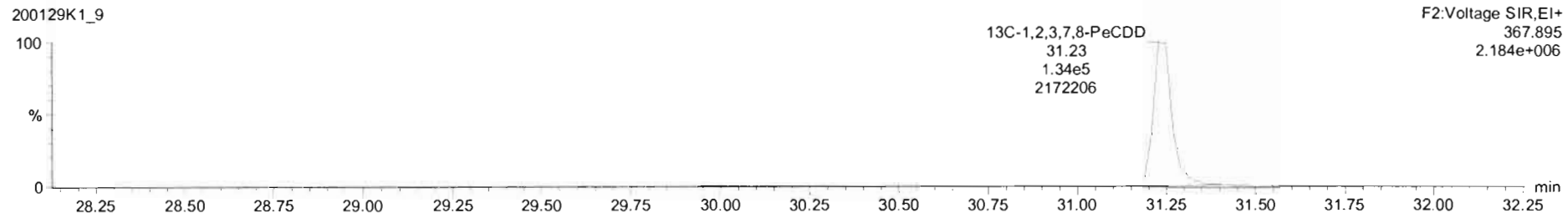
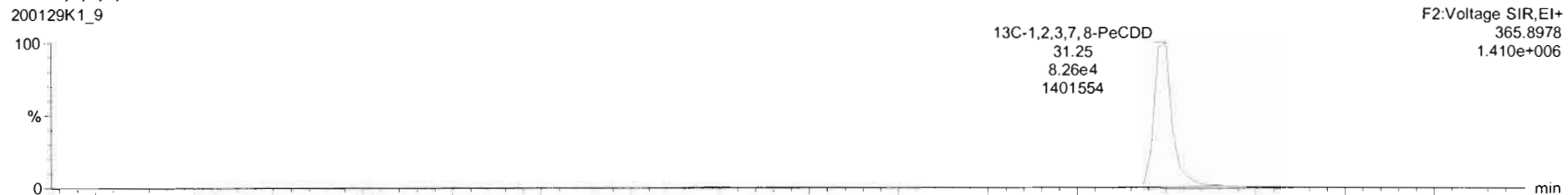
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1,2,3,7,8-PeCDD



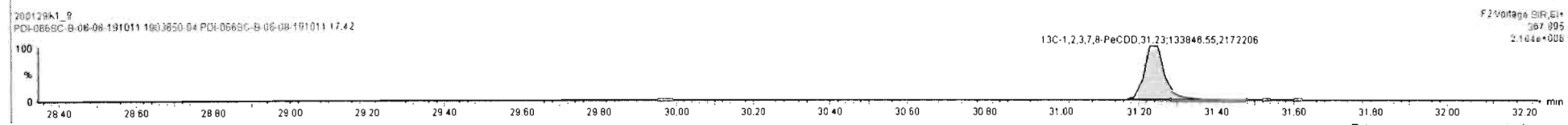
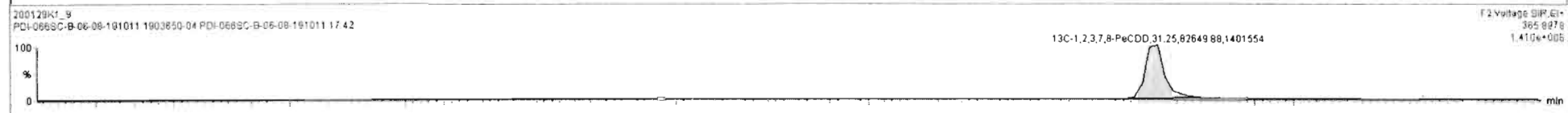
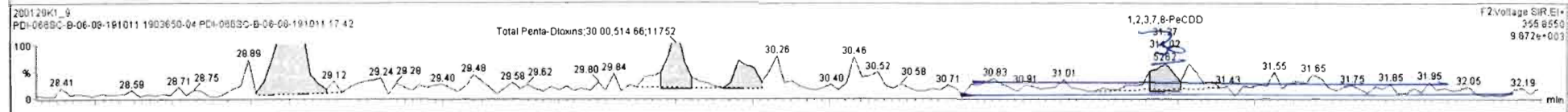
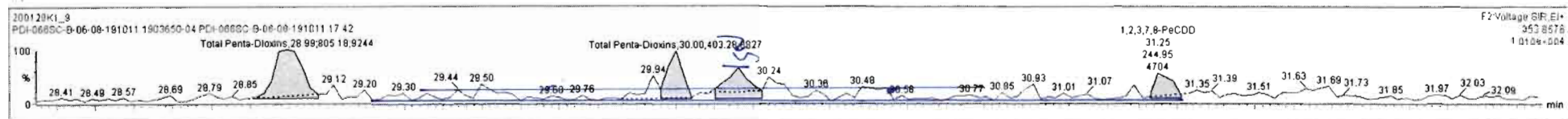
13C-1,2,3,7,8-PeCDD



200129K1_9 - 1903650-04 PDI-066SC-B-06-08-191011 17.42 - PDI-066SC-B-06-08-191011

Name	Resp	RA	n/y	RRF	wtvol	RT	RRT	Conc.	%Rec	DL	EMPC
35 37Cl-2,3,7,8-TCDD	1.05e5			1.1244	10.017	26.09	1.029	55.6	69.6	0.234	
36 13C-1,2,3,4-TCDD	3.36e5	0.82	NO	1.0000	10.017	25.36	1.000	200	100	0.954	
37 13C-1,2,3,4-TCDF	4.75e5	0.79	NO	1.0000	10.017	23.45	1.000	200	100	1.18	
38 13C-1,2,3,4,6,9-HxCDF	3.59e5	0.53	NO	1.0000	10.017	34.11	1.000	200	100	1.26	
39 Total Tetra-Dioxins				0.9431	10.017			0.000		0.145	0.392
40 Total Penta-Dioxins				0.8974	10.017			2.31		0.487	4.20
41 Total Hexa-Dioxins				1.0068	10.017			24.5		0.459	25.6
42 Total Hepta-Dioxins				1.0522	10.017			226		1.96	226
43 Total Tetra-Furans				0.9700	10.017			12.1		0.425	14.4
44 1st Func. Penta-Furans				0.9590	10.017			21.9		0.124	21.9
45 Total Dioxin Furans				0.9400	10.017			7.76		0.450	17.4

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Dioxins	28.99	8.052e2	1.443e3	0.56	NO	2.3104	2.3104
2 Total Penta-Dioxins	30.00	4.033e2	5.147e2	0.78	YES	0.86210	0.00000
3 Total Penta-Dioxins	30.16	4.105e2	3.037e2	1.35	YES	0.50868	0.00000
4 1,2,3,7,8-PeCDD	31.25	2.450e2	3.110e2	0.79	YES	0.52088	0.00000



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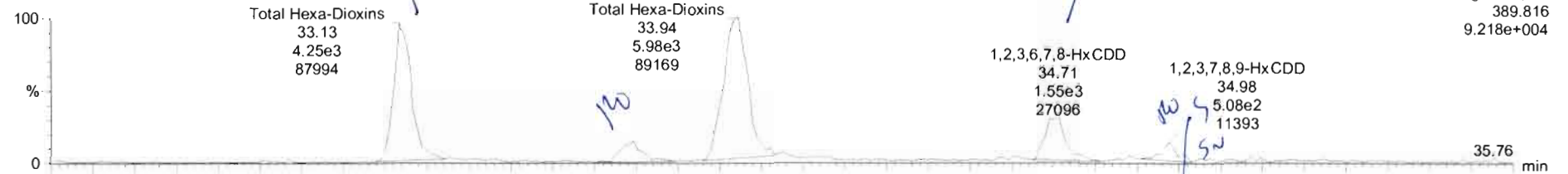
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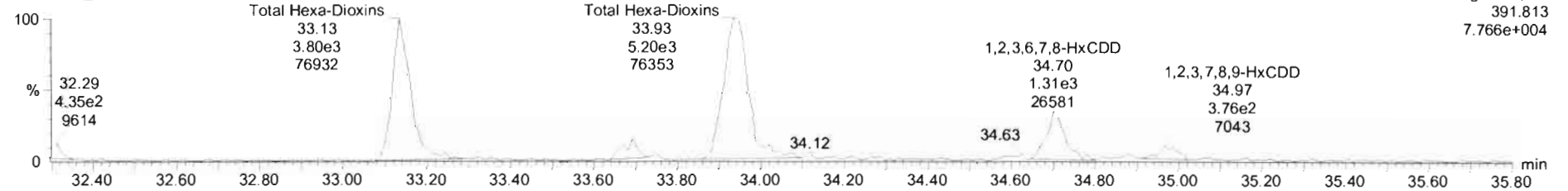
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1,2,3,4,7,8-HxCDD

200129K1_9

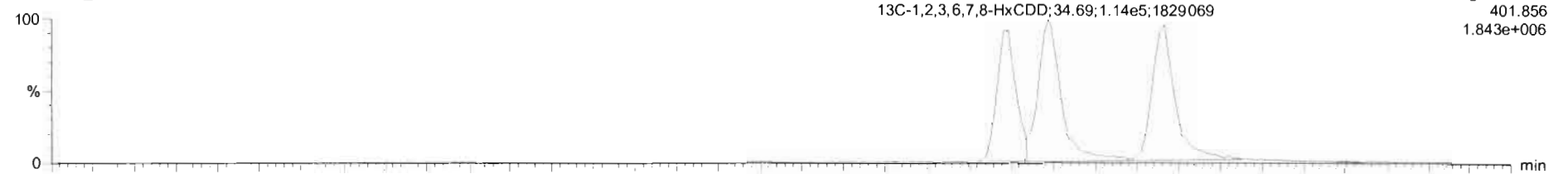


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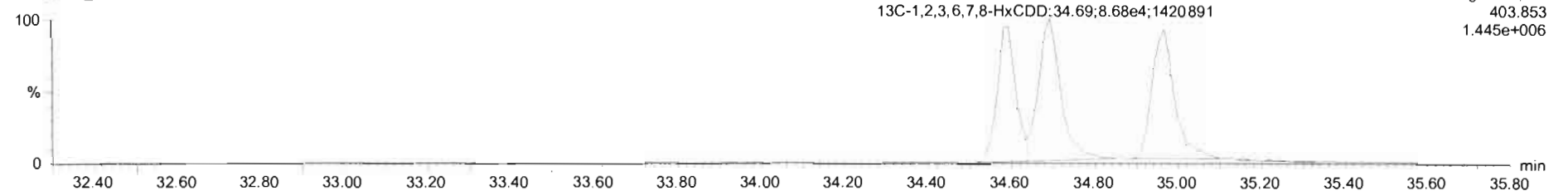


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200129K1_9

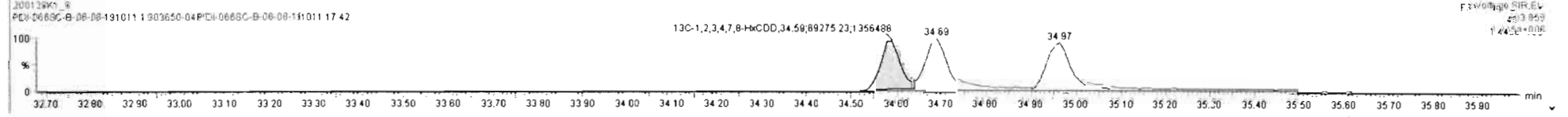
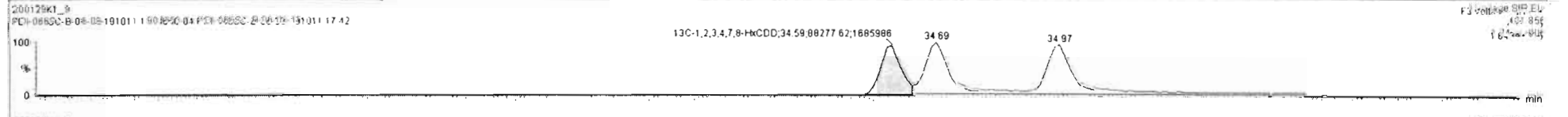
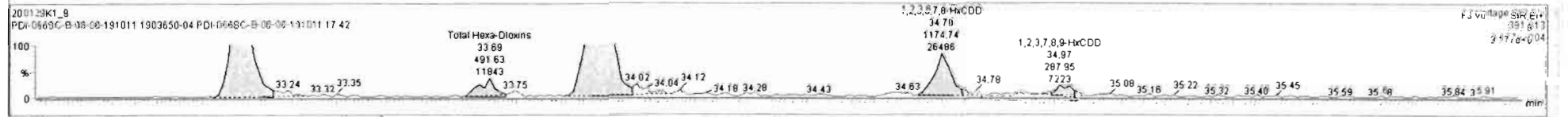
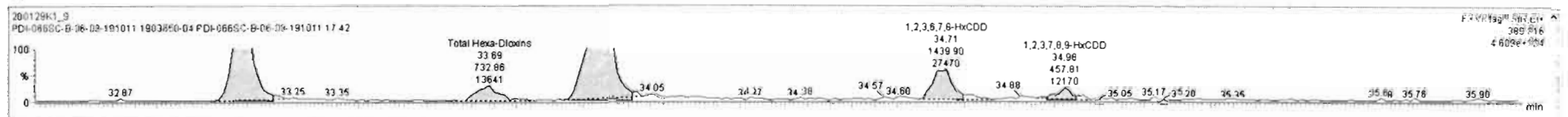


200129K1_9



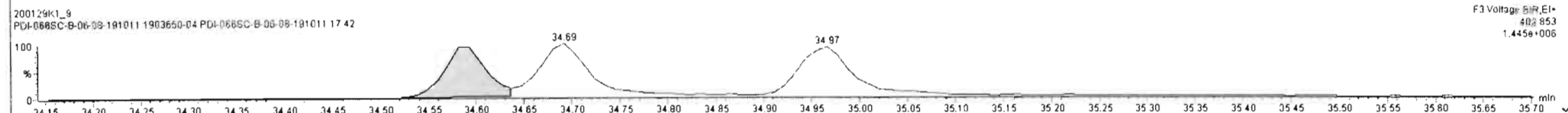
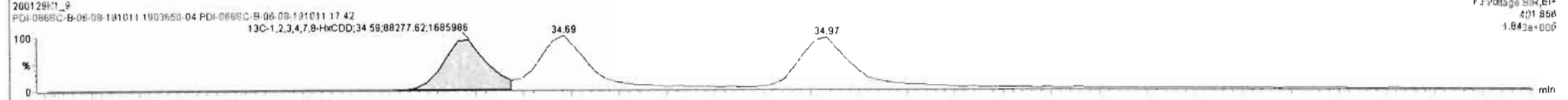
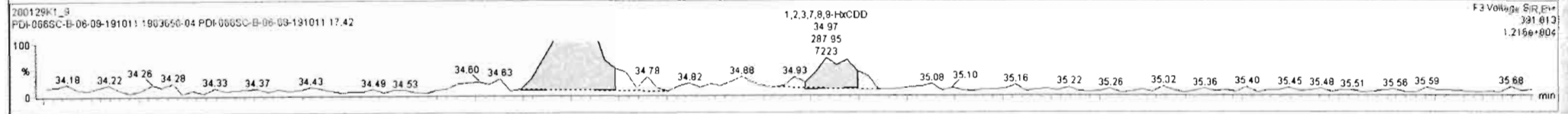
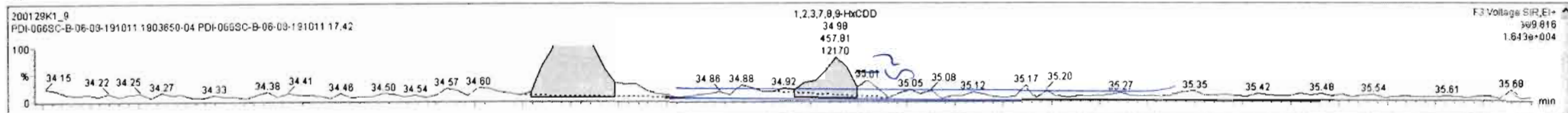
#	Name	Resp	RA	n/y	RRF	w/wal	RT	RRT	Conc.	%Rec	DL	EMPC
35	37Cl-2,3,7,8-TCDD	1.05e5			1.1244	10.017	26.09	1.029	55.6	69.6	0.234	
36	13C-1,2,3,4-TCDD	3.36e5	0.82	NO	1.0000	10.017	25.36	1.000	200	100	0.954	
37	13C-1,2,3,4-TCDF	4.78e5	0.79	NO	1.0000	10.017	23.45	1.000	200	100	1.18	
38	13C-1,2,3,4,6,9-HxCDF	3.59e5	0.53	NO	1.0000	10.017	34.11	1.000	200	100	1.26	
39	Total Tetra-Dioxins				0.9431	10.017			0.000		0.145	0.392
40	Total Penta-Dioxins				0.8974	10.017			2.31		0.487	3.17
41	Total Hexa-Dioxins				1.0068	10.017			23.2		0.459	25.1
42	Total Hepta-Dioxins				1.0622	10.017			226		1.96	228
43	Total Tetra-Furans				0.9700	10.017			12.1		0.425	14.4
44	1st Func. Penta-Furans				0.9580	10.017			21.8		0.124	21.9
45	Total Dioxin/Furan				0.9540	10.017			3.76		0.430	13.8

#	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Dioxins	33.13	4.260e3	3.891e3	1.15	NO	8.5965	8.5865
2	Total Hexa-Dioxins	33.69	7.329e2	4.916e2	1.49	YES	1.1893	0.00000
3	Total Hexa-Dioxins	33.94	8.140e3	4.986e3	1.23	NO	12.018	12.018
4	1,2,3,6,7,8-HxCDD	34.71	1.440e3	1.175e3	1.23	NO	2.5822	2.5822
5	1,2,3,7,8,9-HxCDD	34.98	4.578e2	2.879e2	1.59	YES	0.68123	0.00000



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
35 37Cl-2,3,7,8-TCDD	1.05e5			1.1244	10.017	26.09	1.029	55.6	69.6	0.234	
36 13C-1,2,3,4-TCDD	3.36e5	0.82	NO	1.0000	10.017	25.36	1.000	200	100	0.954	
37 13C-1,2,3,4-TCDF	4.76e5	0.79	NO	1.0000	10.017	23.45	1.000	200	100	1.18	
38 13C-1,2,3,4,8,9-HxCDF	3.59e5	0.53	NO	1.0000	10.017	34.11	1.000	200	100	1.26	
39 Total Tetra-Dioxins				0.9431	10.017			0.000		0.145	0.392
40 Total Penta-Dioxins				0.8974	10.017			2.31		0.487	3.17
41 Total Hexa-Dioxins				1.0068	10.017			23.2		0.458	25.1
42 Total Hepta-Dioxins				1.0622	10.017			226		1.96	226
43 Total Tetra-Furans				0.9700	10.017			12.1		0.425	14.4
44 1st Func. Penta-Furans				0.9580	10.017			21.9		0.124	21.9
45 Total Dioxo-Furans				0.9680	10.017			3.76		0.430	13.8

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	33.13	4.260e3	3.691e3	1.15	NO	8.5865	8.5865
2 Total Hexa-Dioxins	33.69	7.329e2	4.916e2	1.49	YES	1.1893	0.00000
3 Total Hexa-Dioxins	33.94	6.140e3	4.986e3	1.23	NO	12.016	12.016
4 1,2,3,6,7,8-HxCDD	34.71	1.440e3	1.175e3	1.23	NO	2.5822	2.5822
5 1,2,3,7,8,9-HxCDD	34.98	4.578e2	2.879e2	1.59	YES	0.68123	0.00000

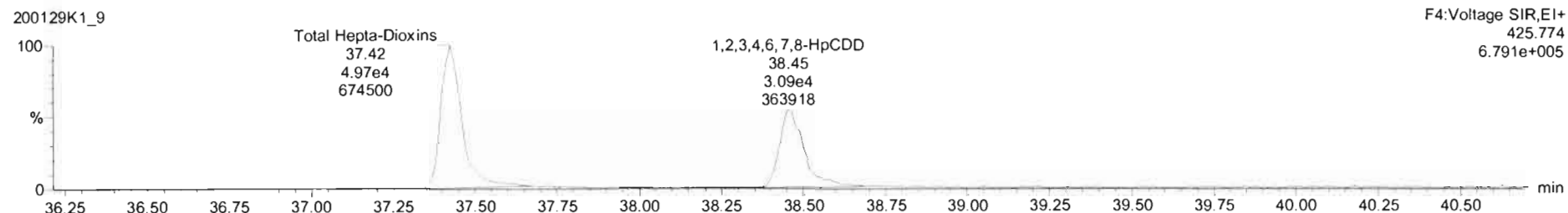
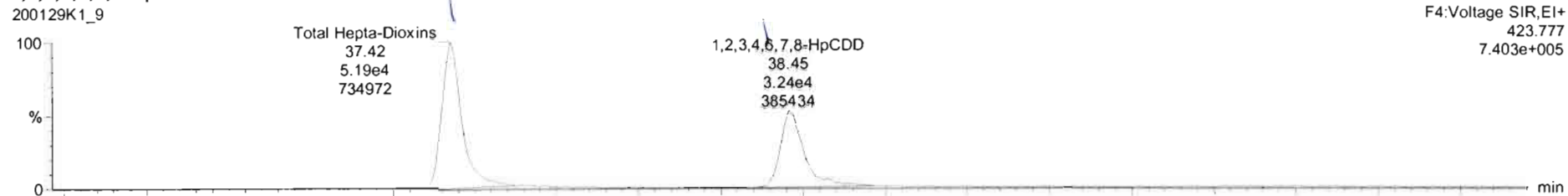


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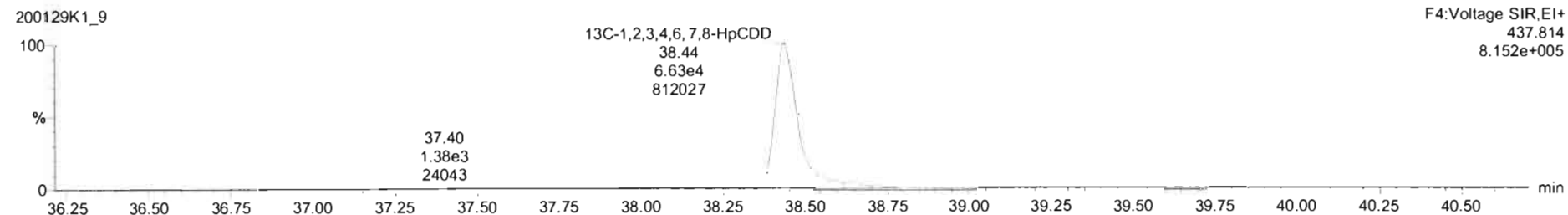
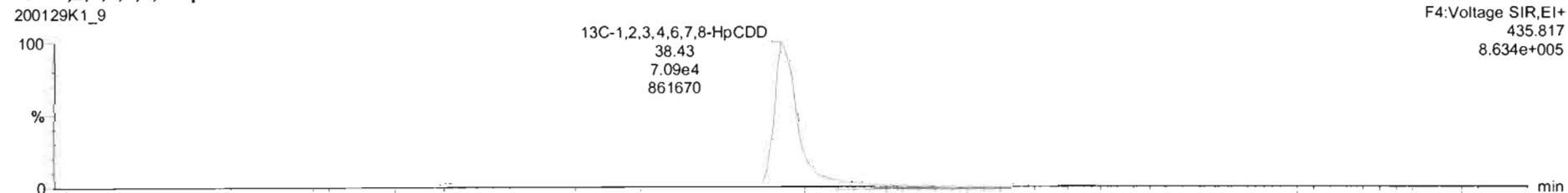
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Name: 200129K1_9, Date: 29-Jan-2020, Time: 21:38:23, ID: 1903650-04 PDI-066SC-B-06-08-191011 17.42, Description: PDI-066SC-B-06-08-191011

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



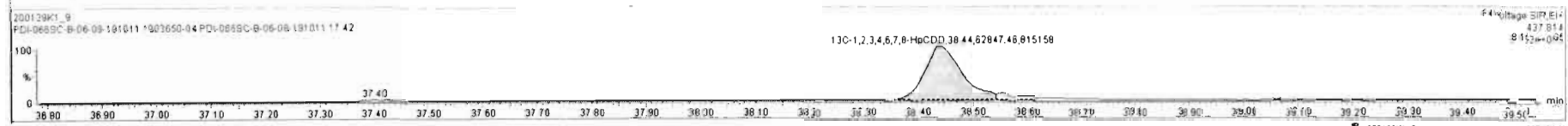
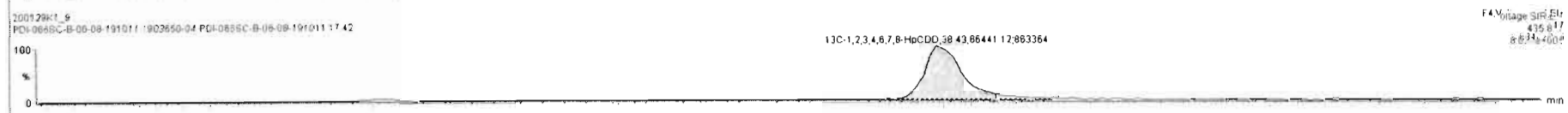
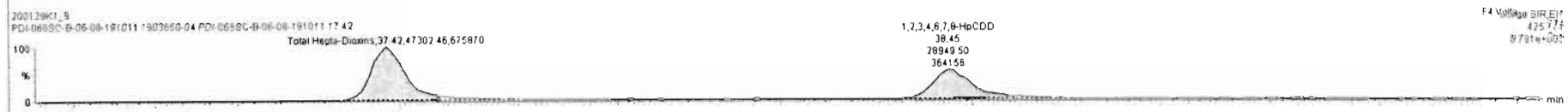
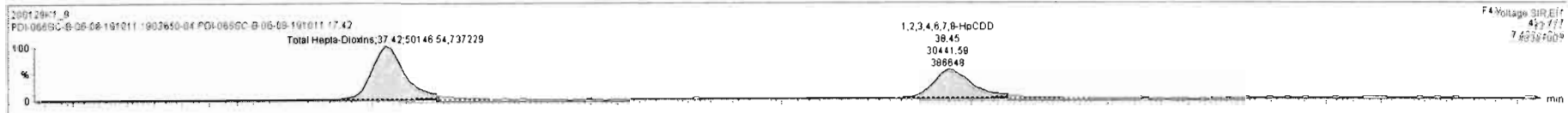
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200129K1_9 - 1903650-04 PDI-0659C-B-06-08-191011 17:42 - PDI-0659C-B-06-08-191011

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
35	37C-2,3,7,8-TCDD	1.05e5		1.1244	10.017	26.09	1.029	55.8	69.6	0.234	
36	13C-1,2,3,4-TCDD	3.36e5	0.92	NO	1.0000	10.017	25.36	1.000	200	100	0.954
37	13C-1,2,3,4-TCDF	4.76e5	0.78	NO	1.0000	10.017	23.45	1.000	200	100	1.18
38	13C-1,2,3,4,6,9-HxCDF	3.59e5	0.53	NO	1.0000	10.017	34.11	1.000	200	100	1.26
39	Total Tetra-Dioxins			0.9431	10.017			0.000		0.145	0.392
40	Total Penta-Dioxins			0.8974	10.017			2.31		0.487	3.17
41	Total Hexa-Dioxins			1.0068	10.017			23.2		0.458	25.1
42	Total Hepta-Dioxins			1.0622	10.017			228		1.94	228
43	Total Tetra-Furans			0.9700	10.017			17.1		0.425	14.4
44	1st Func. Penta-Furans			0.9580	10.017			21.9		0.124	21.9
45	Total Quin. Furans			0.9680	10.017			7.76		0.430	19.6

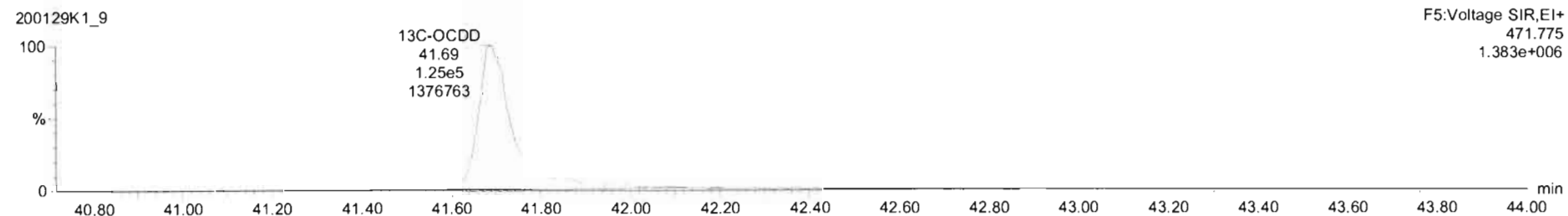
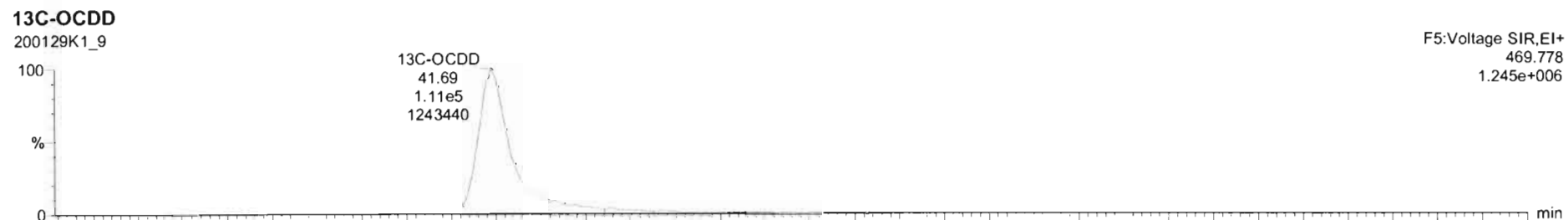
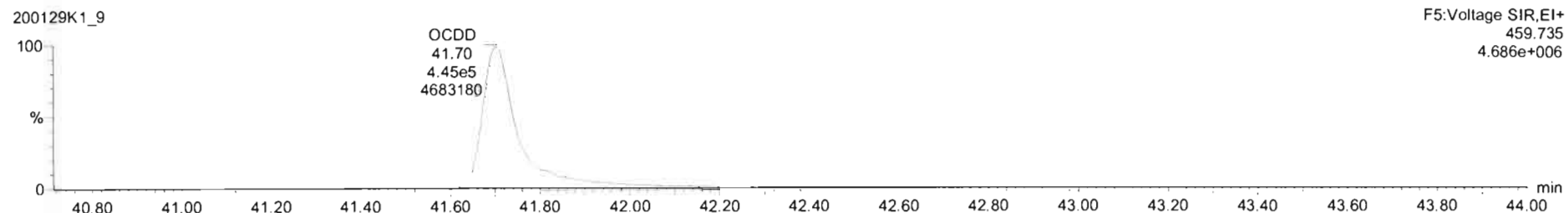
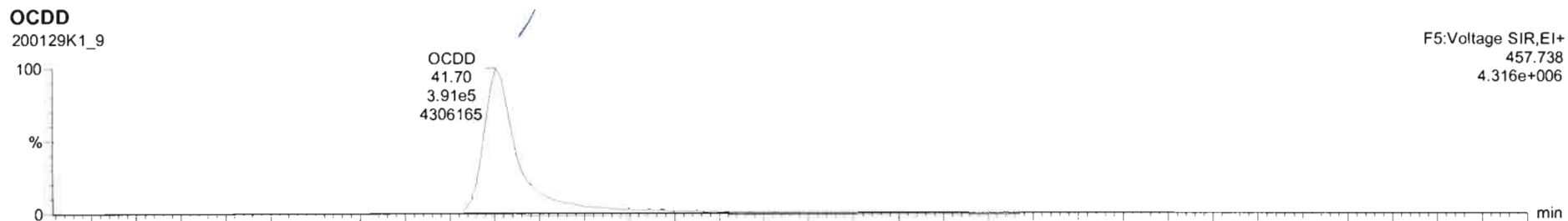
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1	Total Hepta-Dioxins	37.42	5.015e4	4.730e4	1.06	NO	141.67
2	1,2,3,4,6,7,8-HpCDD	38.45	3.044e4	2.895e4	1.05	NO	86.344



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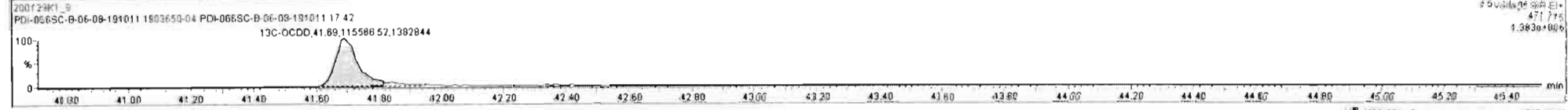
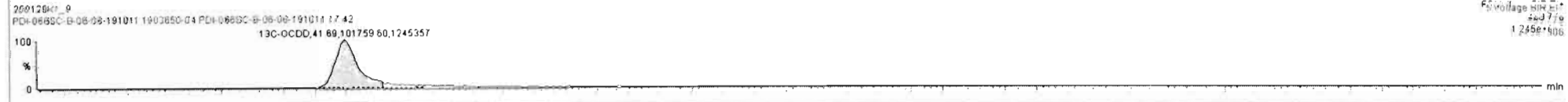
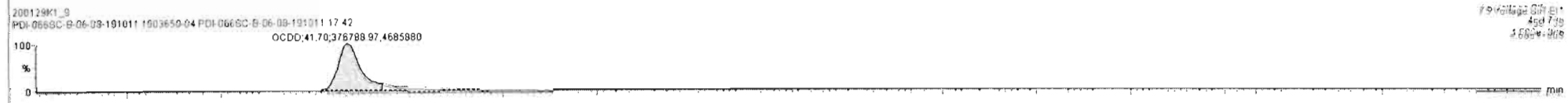
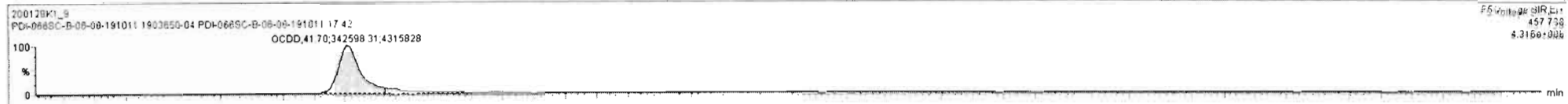
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Name: 200129K1_9, Date: 29-Jan-2020, Time: 21:38:23, ID: 1903650-04 PDI-066SC-B-06-08-191011 17.42, Description: PDI-066SC-B-06-08-191011



Name	Resp	RA	n/y	RRF	wt/wal	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD			NO	0.9431	10.017					0.283	
2 1,2,3,7,8-PeCDD	7.70e2	0.37	YES	0.8974	10.017	31.25	1.000	0.791		0.487	0.551
3 1,2,3,4,7,8-HxCDD			NO	1.1680	10.017					0.404	
4 1,2,3,6,7,8-HxCDD	2.86e3	1.19	NO	1.0068	10.017	34.71	1.001	2.83		0.438	2.83
5 1,2,3,7,8,9-HxCDD	8.93e2	1.35	NO	0.9820	10.017	34.98	1.000	0.933		0.496	0.933
6 1,2,3,4,6,7,8-HpCDD	6.33e4	1.05	NO	1.0672	10.017	38.45	1.001	86.7		1.96	86.7
7 OCDD	7.19e5	0.91	NO	1.0440	10.017	41.70	1.000	1270		2.88	1270
8 2,3,7,8-TCDF			NO	0.9700	10.017					0.425	
9 1,2,3,7,8-PeCDF			NO	0.9580	10.017					0.418	
10 2,3,4,7,8-PeCDF	1.12e3	1.70	NO	1.0074	10.017	30.95	1.001	0.780		0.422	0.780
11 2,3,4,7,8-HxCDF	5.03e3	1.14	NO	1.1693	10.017	33.76	1.000	2.07		0.413	2.07

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

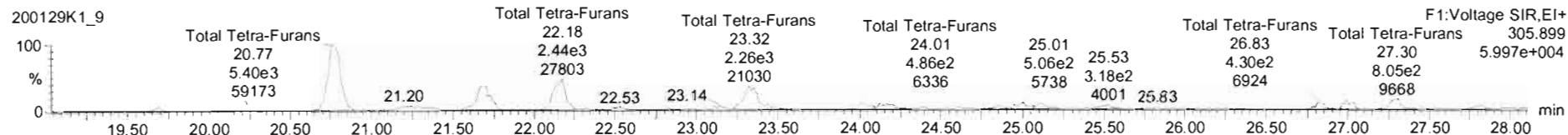
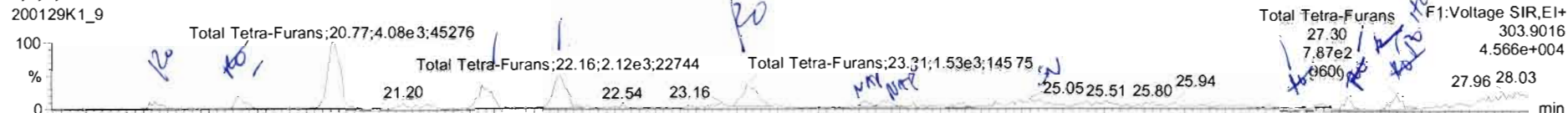


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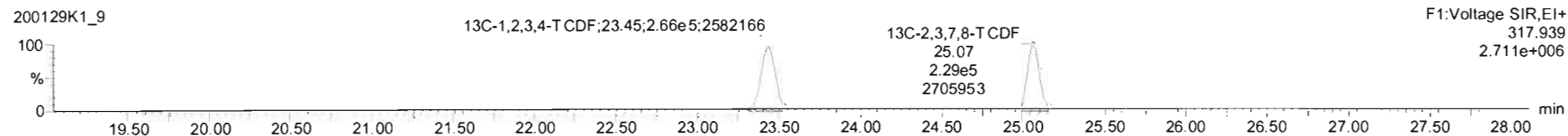
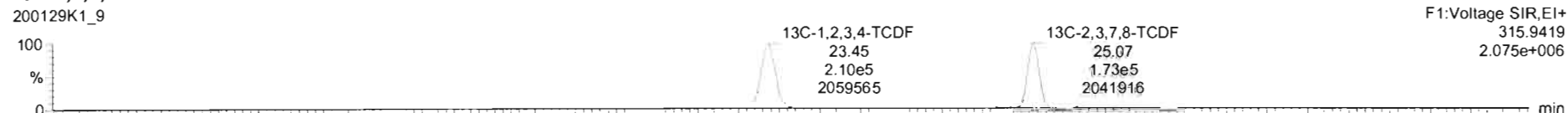
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Name: 200129K1_9, Date: 29-Jan-2020, Time: 21:38:23, ID: 1903650-04 PDI-066SC-B-06-08-191011 17.42, Description: PDI-066SC-B-06-08-191011

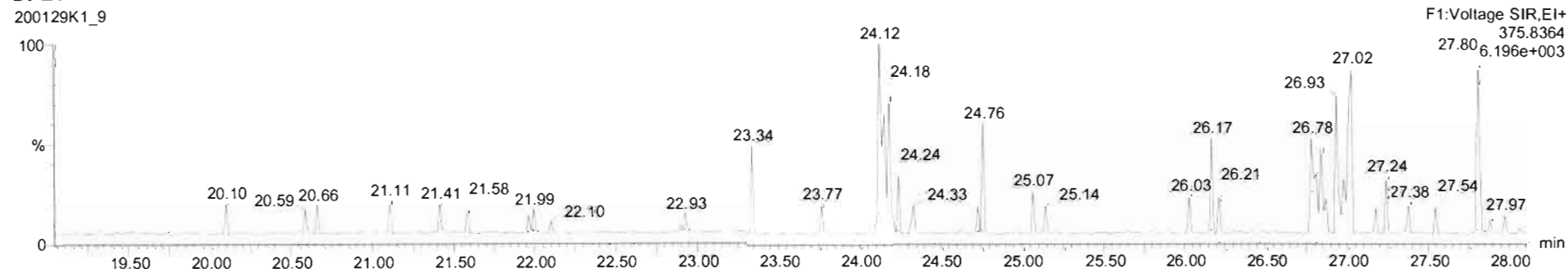
2,3,7,8-TCDF



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



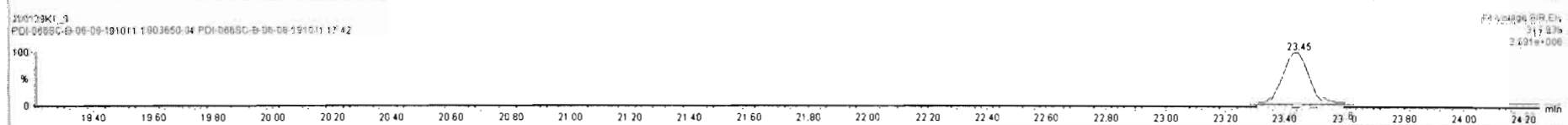
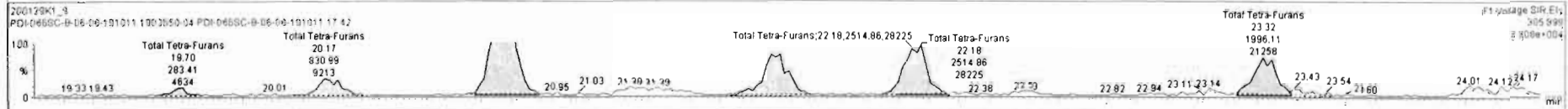
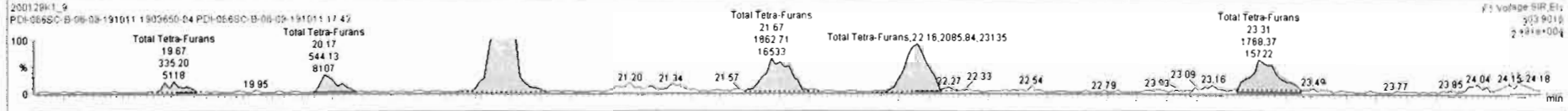
DPE1



200129K1_9 - 1903650-04 PDI-066SC-B-06-08-191011-17-42 - PDI-066SC-B-06-08-191011

Name	Resp	RA	mly	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
35 37Cl-2,3,7,8-TCDD	1.05e5			1.1244	10.017	26.09	1.029	55.6	69.8	0.234	
36 13C-1,2,3,4-TCDD	3.36e5	0.82	NO	1.0000	10.017	25.36	1.000	200	100	0.954	
37 13C-1,2,3,4-TCDF	4.76e5	0.79	NO	1.0000	10.017	23.45	1.000	200	100	1.18	
38 13C-1,2,3,4,6,8-HxCDF	3.59e5	0.53	NO	1.0000	10.017	34.11	1.000	200	100	1.26	
39 Total Tetra-Dioxins				0.9431	10.017			0.000		0.145	0.392
40 Total Penta-Dioxins				0.8974	10.017			2.31		0.487	3.17
41 Total Hexa-Dioxins				1.0069	10.017			23.2		0.459	26.1
42 Total Hepta-Dioxins				1.0622	10.017			226		1.94	226
43 Total Tetra-Furans				0.9700	10.017			10.2		0.425	13.0
44 1st Func. Penta-Furans				0.9580	10.017			21.9		0.124	21.9
45 Total Dioxin/Furan				0.9681	10.017			3.78		0.430	13.2

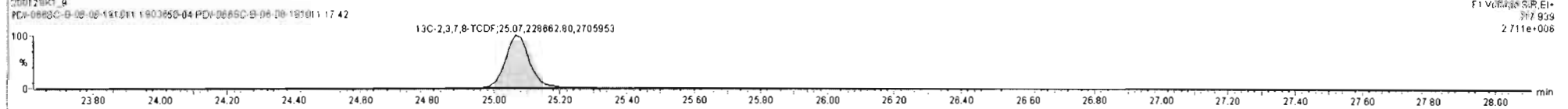
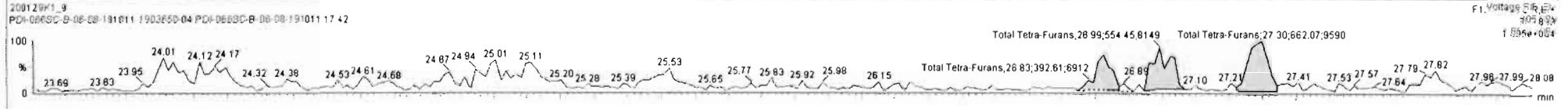
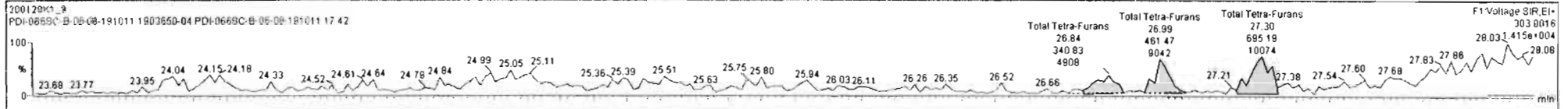
Name	RT	m1 Resp	m2 Resp	RA	mly	EMPC	Conc.
1 Total Tetra-Furans	19.67	3.352e2	2.834e2	1.18	YES	0.25712	0.00000
2 Total Tetra-Furans	20.17	5.441e2	8.310e2	0.65	NO	0.70485	0.00000
3 Total Tetra-Furans	20.77	4.088e3	5.452e3	0.75	NO	4.8899	4.8899
4 Total Tetra-Furans	21.67	1.663e3	2.315e3	0.72	NO	2.0388	2.0388
5 Total Tetra-Furans	22.16	2.096e3	2.515e3	0.83	NO	2.3582	2.3582
6 Total Tetra-Furans	23.31	1.768e3	1.996e3	0.89	YES	1.8110	0.00000
7 Total Tetra-Furans	26.84	3.406e2	3.526e2	0.87	NO	0.37594	0.37594



200129K1_9 - 1903650-04 PDI-0665C-B-06-08-191011 17:42 - PDI-0665C-B-06-08-191011

Name	Resp	RA	nNy	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
38 13C-1,2,3,4,6,8-HxCDF	3.59e5	0.53	NO	1.0000	10.017	34.11	1.000	200	100	1.26	
39 Total Tetra-Dioxins	0.9431	10.017						0.000		0.145	0.392
40 Total Penta-Dioxins	0.8974	10.017						2.31		0.487	3.17
41 Total Hexa-Dioxins	1.0068	10.017						23.2		0.459	25.1
42 Total Hepta-Dioxins	1.0622	10.017						226		1.94	226
43 Total Tetra-Furans	0.9700	10.017						10.8		0.425	13.6
44 1st Func. Penta-Furans	0.9580	10.017						21.9		0.124	21.9
45 Total Penta-Furans	0.9580	10.017						2.76		0.429	13.6
46 Total Hexa-Furans	1.2131	10.017						80.2		0.415	83.1
47 Total Hepta-Furans	1.1891	10.017						308		1.09	309

Name	RT	m1 Resp	m2 Resp	RA	nNy	EMPC	Conc.
1 Total Tetra-Furans	26.99	4.615e2	5.545e2	0.83	NO	0.52074	0.52074
2 Total Tetra-Furans	26.84	3.408e2	3.926e2	0.87	NO	0.37594	0.37594
3 Total Tetra-Furans	23.31	1.768e3	1.996e3	0.89	YES	1.8110	0.00000
4 Total Tetra-Furans	22.16	2.086e3	2.515e3	0.83	NO	2.3582	2.3582
5 Total Tetra-Furans	21.67	1.663e3	2.315e3	0.72	NO	2.0388	2.0388
6 Total Tetra-Furans	20.77	4.088e3	5.452e3	0.75	NO	4.8899	4.8899
7 Total Tetra-Furans	20.17	5.441e2	8.310e2	0.65	NO	0.70485	0.70485



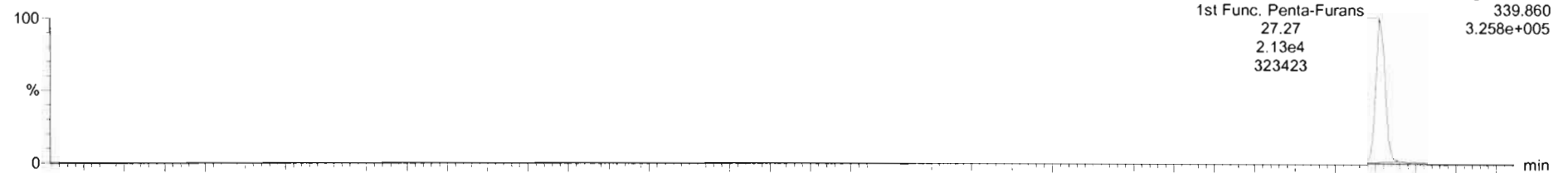
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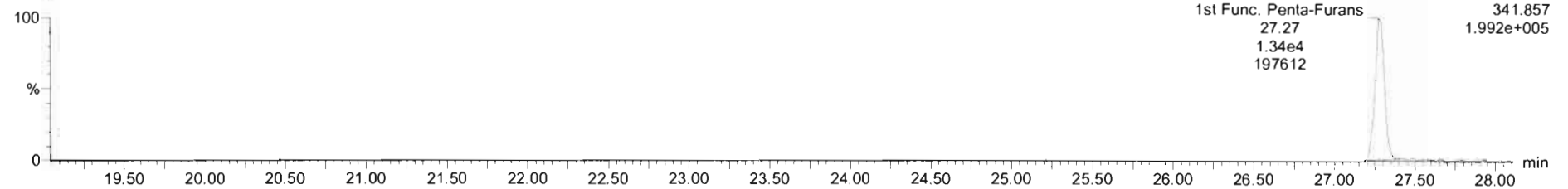
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1st Func. Penta-Furans

200129K1_9

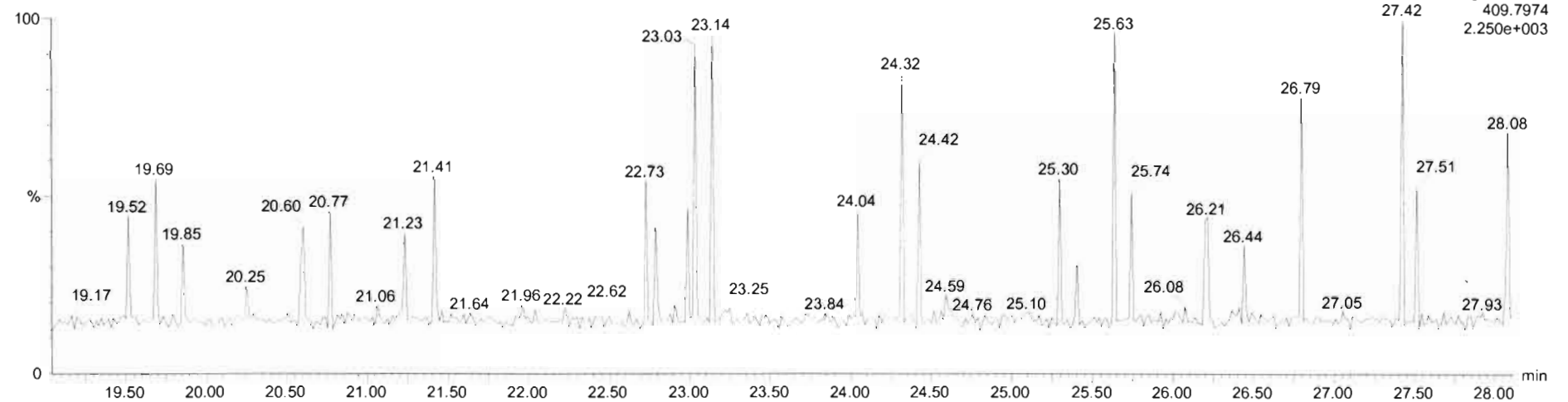


200129K1_9



DPE6

200129K1_9

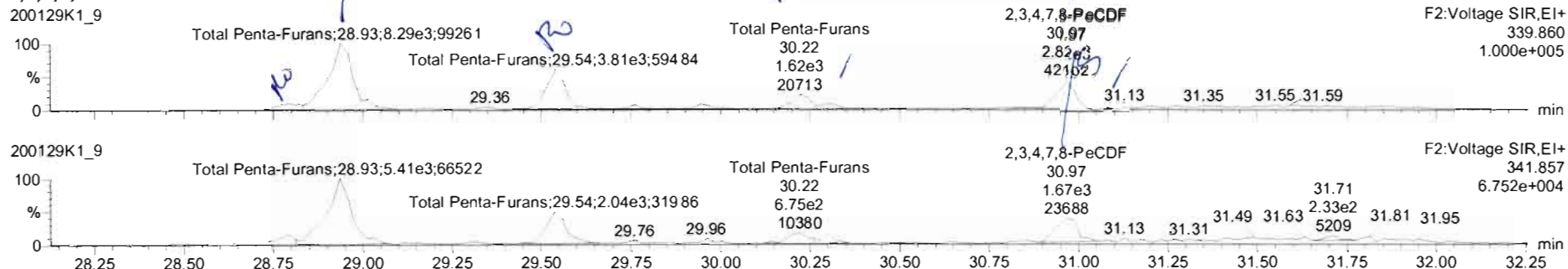


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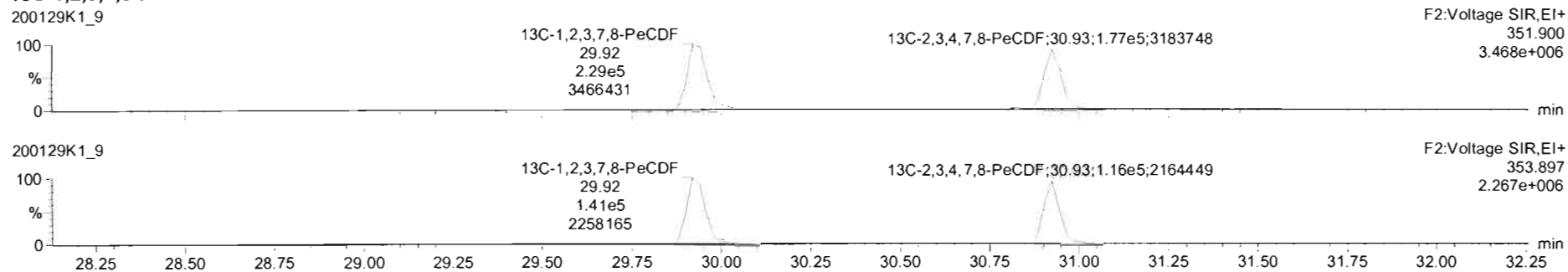
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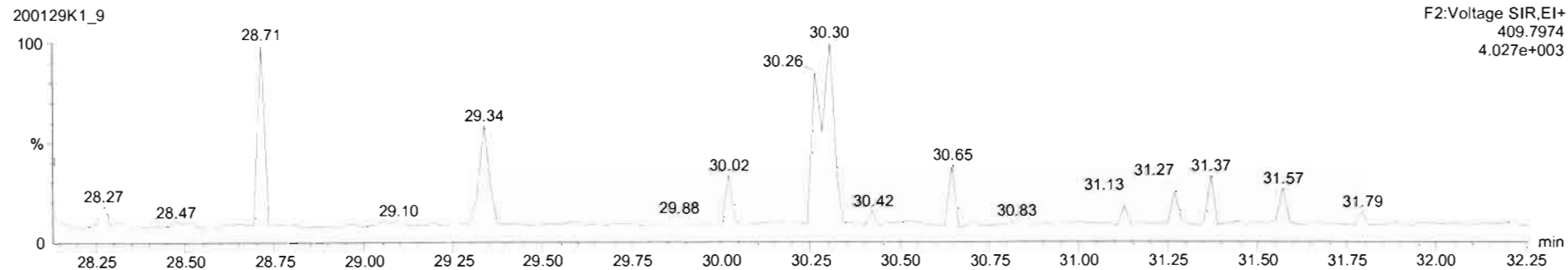
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13C-1,2,3,7,8-PeCDF



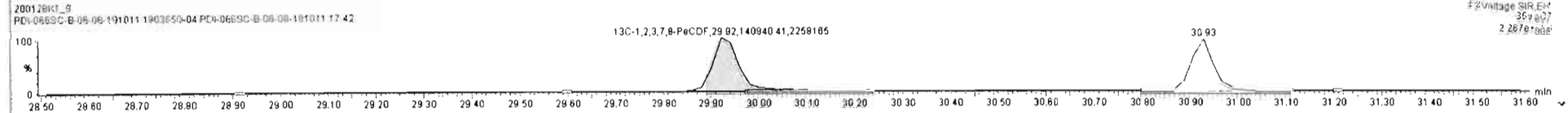
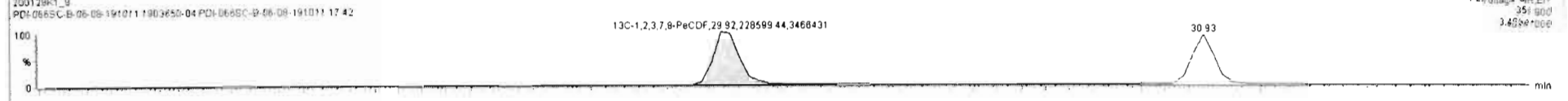
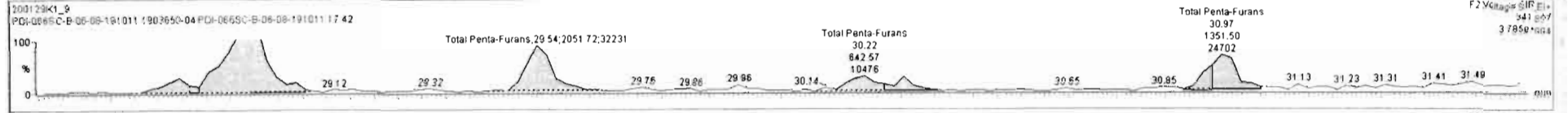
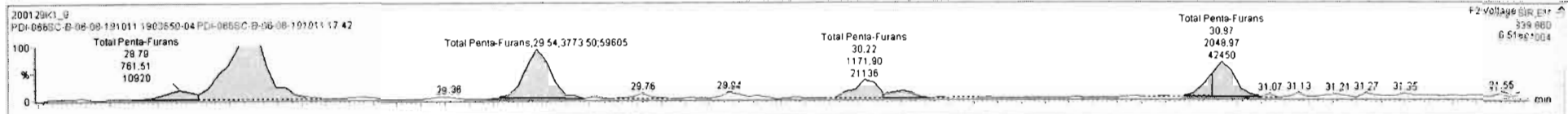
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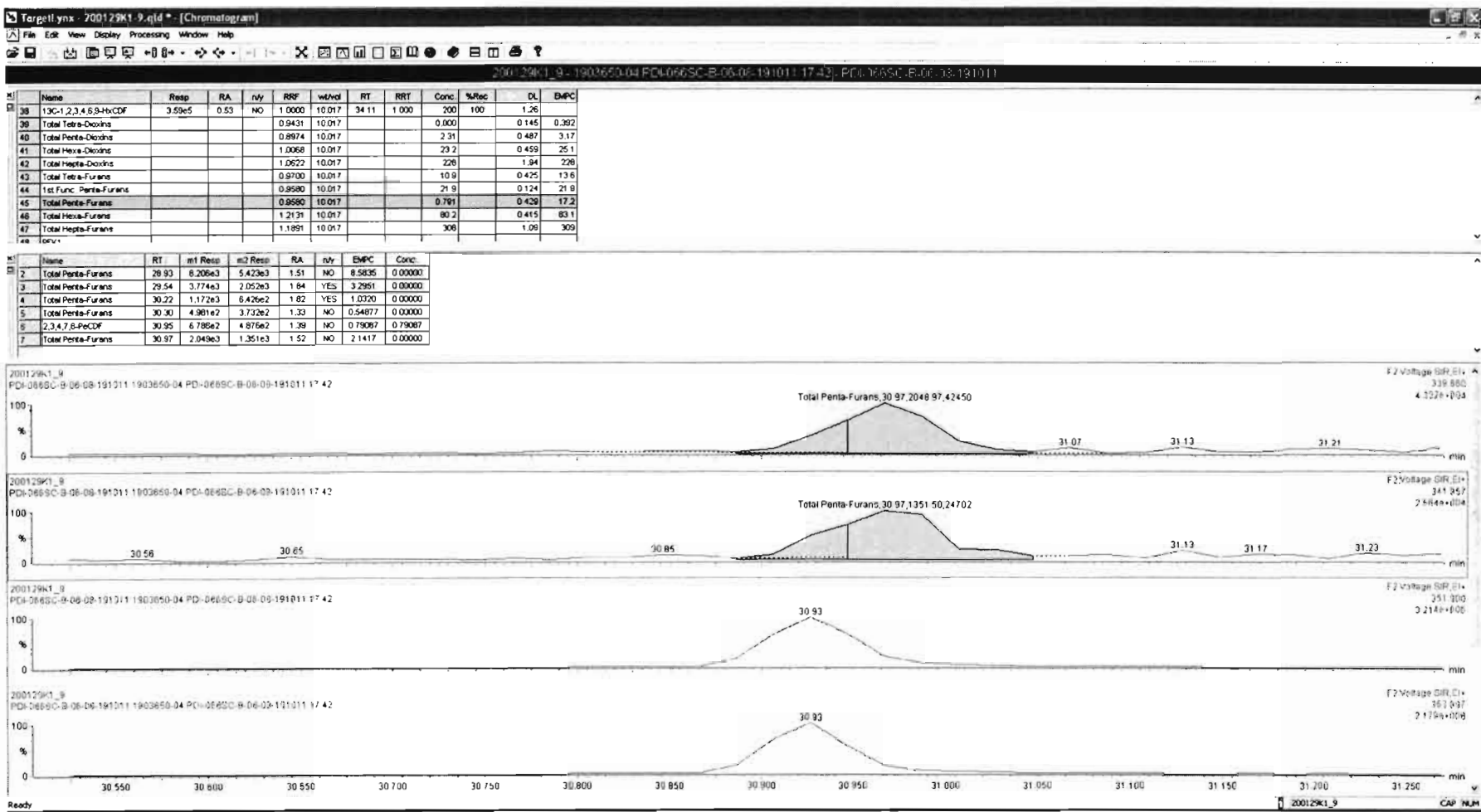


200129K1_9 - 1903650-04 PDI-066SC-B-06-08-191011 17 42 - PDI-066SC-B-06-08-191011

Name	Resp	RA	n/y	RRF	wtAct	RT	RRT	Conc	%Rec	DL	EMPC
38 13C-1,2,3,4,6,9-HxCDF	3.59e5	0.53	NO	1.0000	10.017	34.11	1.000	200	100	1.26	
39 Total Tetra-Dioxins				0.9431	10.017			0.000		0.145	0.392
40 Total Penta-Dioxins				0.8974	10.017			2.31		0.487	3.17
41 Total Hexa-Dioxins				1.0068	10.017			23.2		0.459	25.1
42 Total Hepta-Dioxins				1.0622	10.017			228		1.94	228
43 Total Tetra-Furans				0.9700	10.017			10.9		0.425	13.6
44 1st Func. Penta-Furans				0.9580	10.017			21.9		0.124	21.9
45 Total Penta-Furans				0.9580	10.017			0.791		0.429	17.2
46 Total Hexa-Furans				1.2131	10.017			80.2		0.415	83.1
47 Total Hepta-Furans				1.1891	10.017			306		1.09	309

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
2 Total Penta-Furans	28.93	0.206e3	5.423e3	1.51	NO	8.5835	0.00000
3 Total Penta-Furans	29.54	3.774e3	2.052e3	1.84	YES	3.2951	0.00000
4 Total Penta-Furans	30.22	1.172e3	6.426e2	1.82	YES	1.0320	0.00000
5 Total Penta-Furans	30.30	4.961e2	3.732e2	1.33	NO	0.54877	0.00000
6 2,3,4,7,8-PeCDF	30.95	6.706e2	4.876e2	1.39	NO	0.79067	0.79067
7 Total Penta-Furans	30.97	2.049e3	1.351e3	1.52	NO	2.1417	0.00000



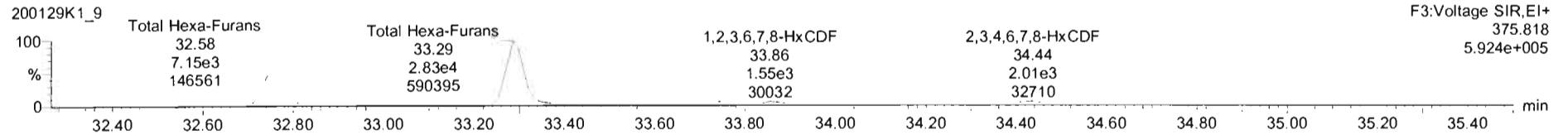
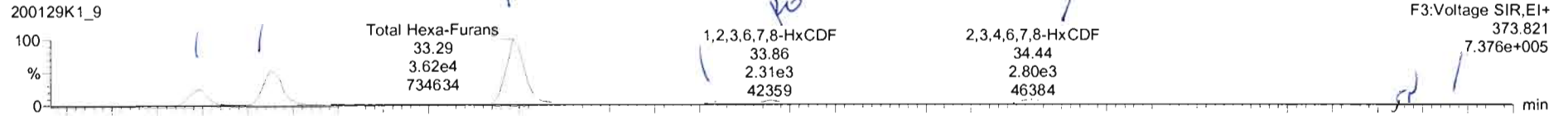


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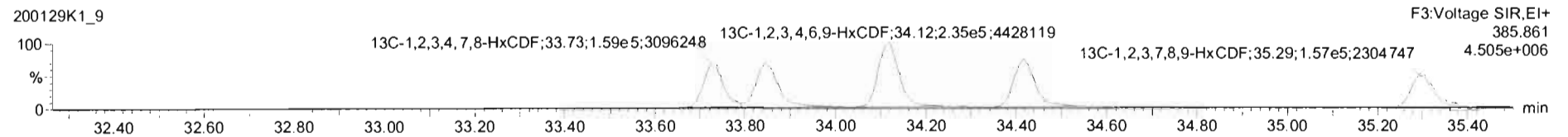
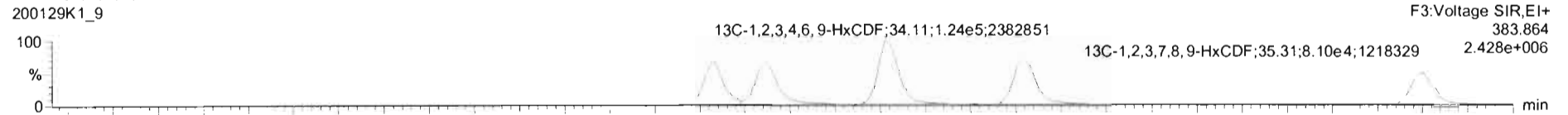
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Name: 200129K1_9, Date: 29-Jan-2020, Time: 21:38:23, ID: 1903650-04 PDI-066SC-B-06-08-191011 17.42, Description: PDI-066SC-B-06-08-191011

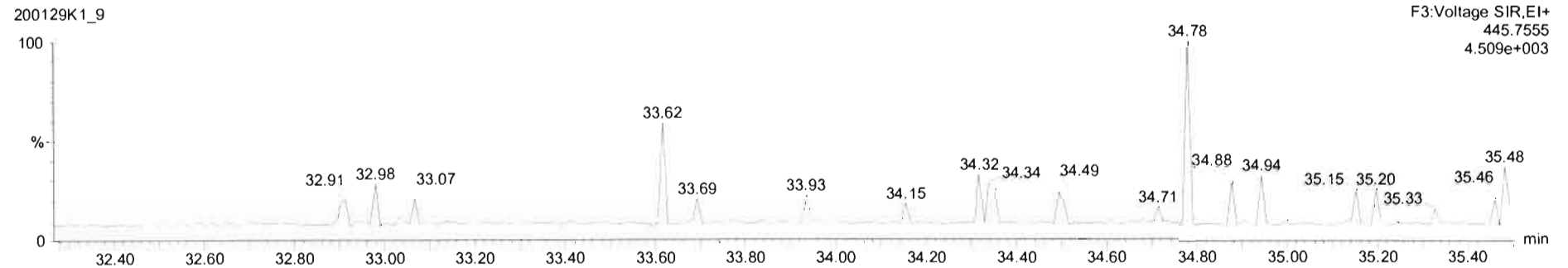
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13C-1,2,3,4,7,8-HxCDF

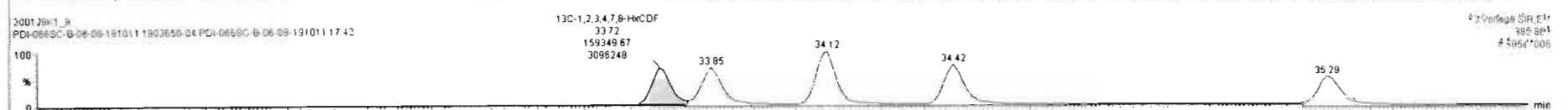
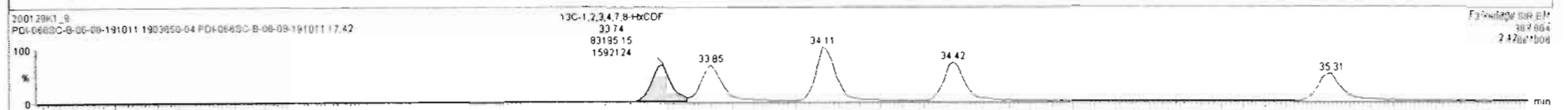
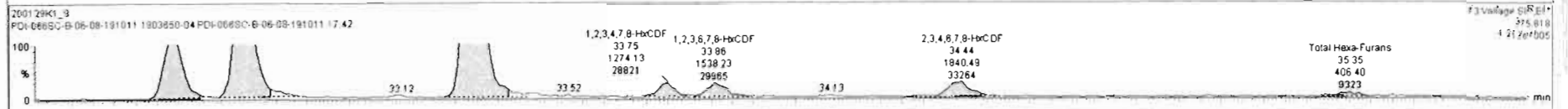
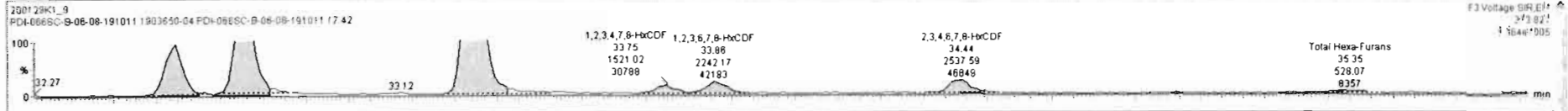


DPE3



#	Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
40	Total Penta-Dioxins				0.8974	10.017			2.31		0.487	3.17
41	Total Hexa-Dioxins				1.0068	10.017			23.2		0.459	25.1
42	Total Hepta-Dioxins				1.0622	10.017			228		1.84	228
43	Total Tetra-Furans				0.9700	10.017			10.9		0.425	13.6
44	1st Func. Penta-Furans				0.9590	10.017			21.9		0.124	21.9
45	Total Penta-Furans				0.9590	10.017			2.63		0.420	16.9
46	Total Hexa-Furans				1.2131	10.017			70.4		0.415	81.7
47	Total Hepta-Furans				1.1891	10.017			308		1.08	309
48	PFK1											
49	PFK2											

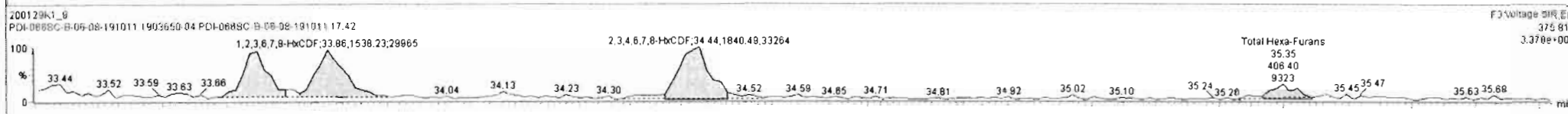
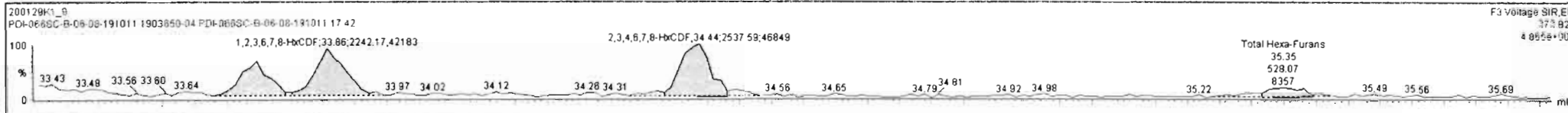
#	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	32.60	8.030e3	7.330e3	1.23	NO	10.530	10.530
2	Total Hexa-Furans	32.75	1.979e4	1.578e4	1.25	NO	22.895	22.895
3	Total Hexa-Furans	33.29	3.542e4	2.793e4	1.27	NO	40.777	40.777
4	1,2,3,4,7,8-HxCDF	33.75	1.521e3	1.274e3	1.19	NO	1.9781	1.9781
5	1,2,3,6,7,8-HxCDF	33.86	2.242e3	1.539e3	1.46	YES	2.2198	0.00000
6	2,3,4,6,7,8-HxCDF	34.44	2.538e3	1.840e3	1.38	NO	2.6532	2.6532
7	Total Hexa-Furans	35.35	5.281e2	4.064e2	1.30	NO	0.60147	0.60147



200129K1_9 - 1903650-04 PDI-0665C-B-06-08-191011 17.42 - PDI-0665C-B-06-08-191011

Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.8974	10.017			2.31		0.487	3.17
41 Total Hexa-Dioxins				1.0068	10.017			23.2		0.459	25.1
42 Total Hepta-Dioxins				1.0622	10.017			228		1.94	228
43 Total Tetra-Furans				0.9700	10.017			10.9		0.425	13.6
44 1st Func. Penta-Furans				0.9580	10.017			21.9		0.124	21.9
45 Total Penta-Furans				0.9580	10.017			2.63		0.429	16.9
46 Total Hexa-Furans				1.2131	10.017			79.4		0.415	81.7
47 Total Hepta-Furans				1.1891	10.017			308		1.09	309
48 PFK1											
49 PFK2											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.80	9.030e3	7.330e3	1.23	NO	10.530	10.530
2 Total Hexa-Furans	32.75	1.879e4	1.578e4	1.25	NO	22.895	22.895
3 Total Hexa-Furans	33.29	3.542e4	2.793e4	1.27	NO	40.777	40.777
4 1,2,3,4,7,8-HxCDF	33.75	1.521e3	1.274e3	1.19	NO	1.9781	1.9781
5 1,2,3,6,7,8-HxCDF	33.86	2.242e3	1.539e3	1.46	YES	2.2198	0.00000
6 2,3,4,6,7,8-HxCDF	34.44	2.538e3	1.840e3	1.38	NO	2.6532	2.6532
7 Total Hexa-Furans	35.35	5.261e2	4.064e2	1.30	NO	0.60147	0.60147



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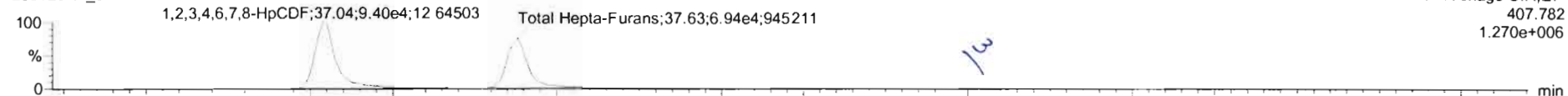
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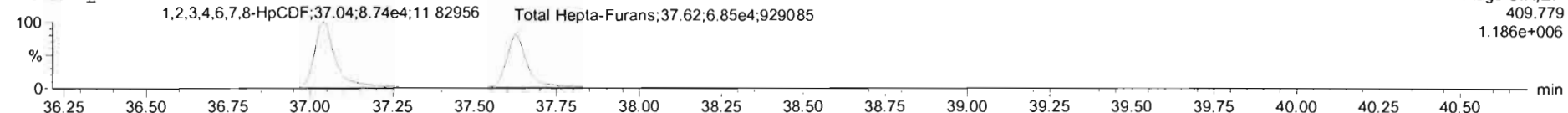
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1,2,3,4,6,7,8-HpCDF

200129K1_9

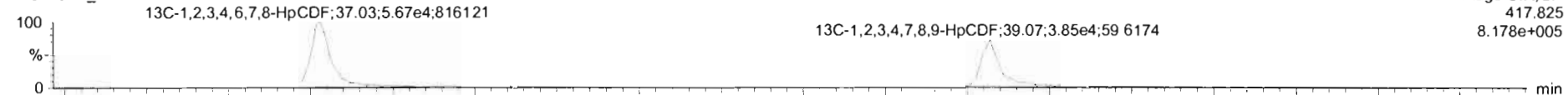


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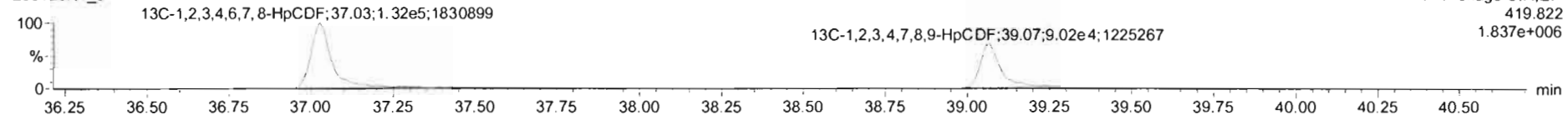


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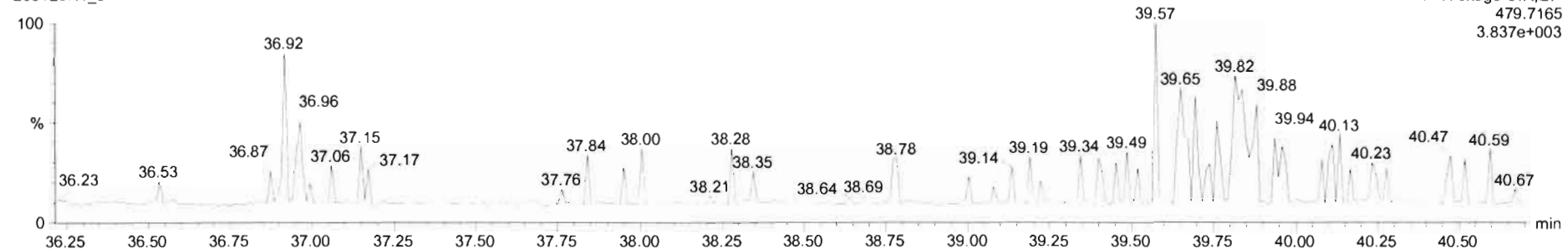


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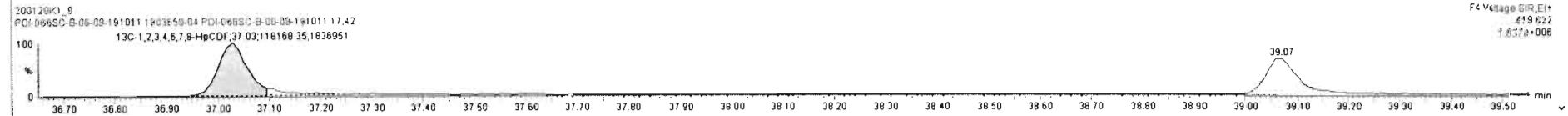
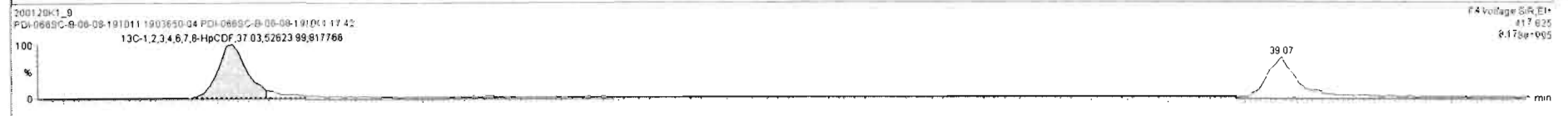
DPE4

200129K1_9



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.8974	10.017			2.31		0.487	3.17
41 Total Hexa-Dioxins				1.0068	10.017			23.2		0.459	25.1
42 Total Hepta-Dioxins				1.0522	10.017			228		1.94	228
43 Total Tetra-Furans				0.9700	10.017			10.9		0.425	13.6
44 1st Func. Penta-Furans				0.9590	10.017			21.9		0.124	21.9
45 Total Penta-Furans				0.9590	10.017			2.63		0.429	16.9
46 Total Hexa-Furans				1.2131	10.017			79.4		0.415	81.7
47 Total Hepta-Furans				1.1891	10.017			314		1.11	315
48 PFK1											
49 PFK2											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.04	8.707e4	8.210e4	1.06	NO	166.31	166.31
2 Total Hepta-Furans	37.63	6.651e4	6.496e4	1.02	NO	147.38	147.38
3 1,2,3,4,7,8,9-HpCDF	39.07	4.696e2	3.595e2	1.31	YES	0.81606	0.00000

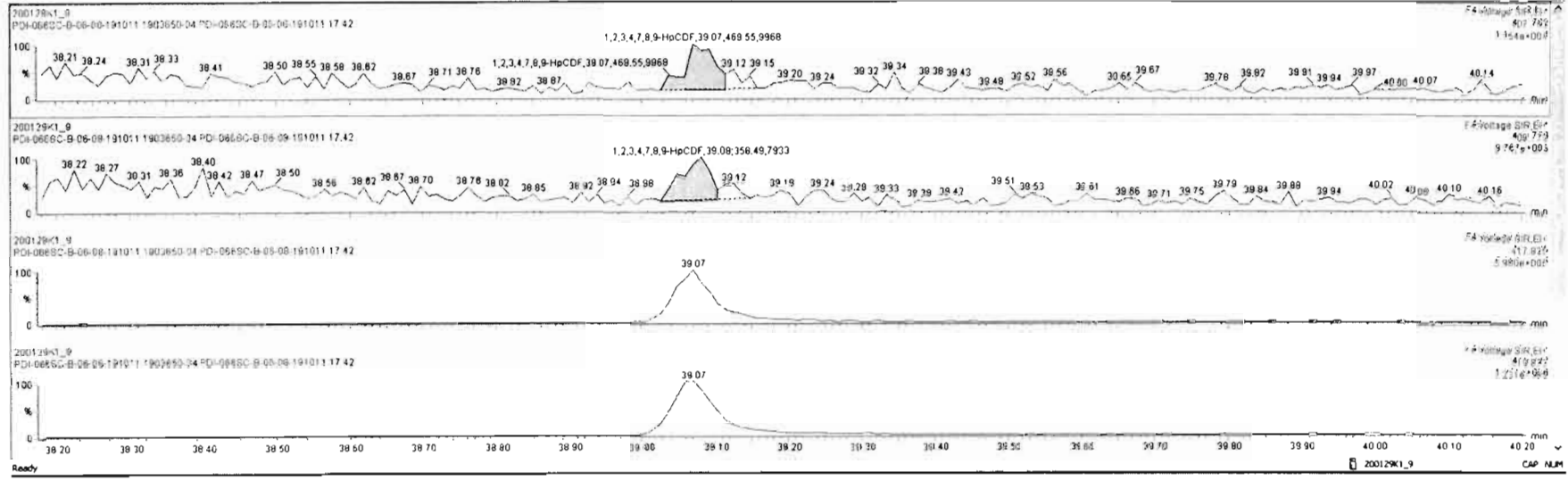


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200129K1_9 - 1903650 - PDI-0665C-B-06-08-191011 17.42 - PDI-0665C-B-06-08-191011

#	Name	Resp	RA	rvy	RRF	wtAoi	RT	RRT	Conc.	%Rec	DL	EMPC
40	Total Penta-Dioxins				0.8974	10.017			2.31	0.467	3.17	
41	Total Hexa-Dioxins				1.0068	10.017			23.2	0.459	25.1	
42	Total Hepta-Dioxins				1.0622	10.017			226	1.94	220	
43	Total Tetra-Furans				0.9700	10.017			10.9	0.425	13.6	
44	1st Func. Penta-Furans				0.9580	10.017			21.9	0.124	21.8	
45	Total Penta-Furans				0.9580	10.017			2.63	0.429	16.9	
46	Total Hexa-Furans				1.2131	10.017			79.4	0.415	81.7	
47	Total Hepta-Furans				1.1891	10.017			314	1.11	315	
48	PFK1											
49	PFK2											
50	PFK3											

#	Name	RT	m1 Resp	m2 Resp	RA	rvy	EMPC	Conc.
1	1,2,3,4,6,7,8-HpCDF	37.04	6.707e4	6.210e4	1.06	NO	166.31	166.31
2	Total Hepta-Furans	37.83	6.651e4	6.496e4	1.02	NO	147.38	147.38
3	1,2,3,4,7,8,9-HpCDF	39.07	4.686e2	3.585e2	1.31	YES	0.81606	0.00000



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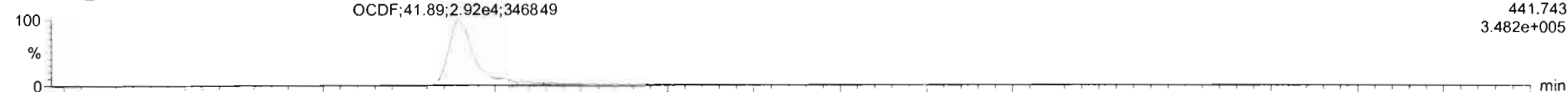
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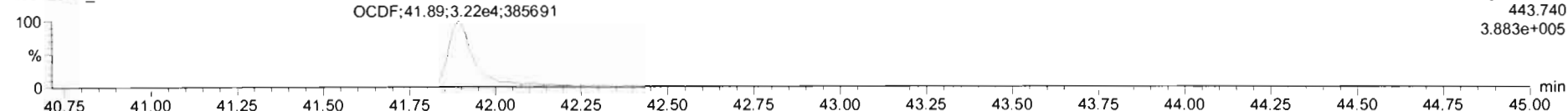
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OCDF

200129K1_9



200129K1_9

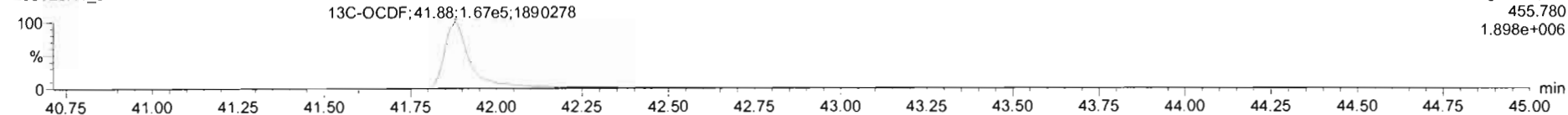


13C-OCDF

200129K1_9

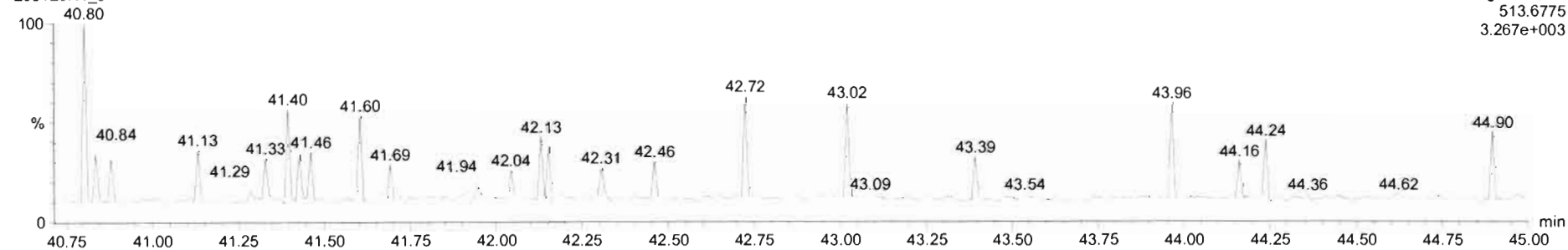


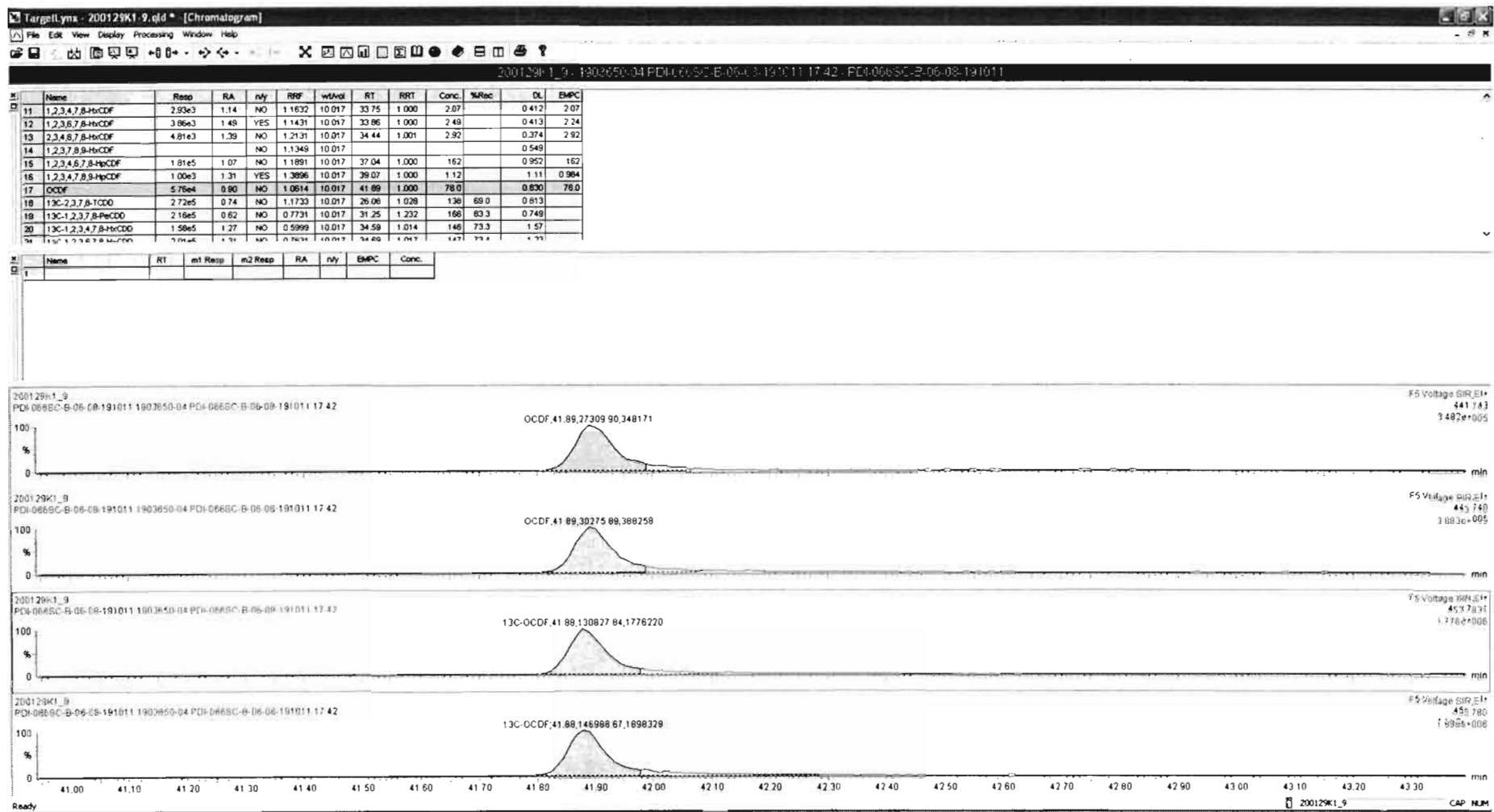
200129K1_9



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200129K1_9





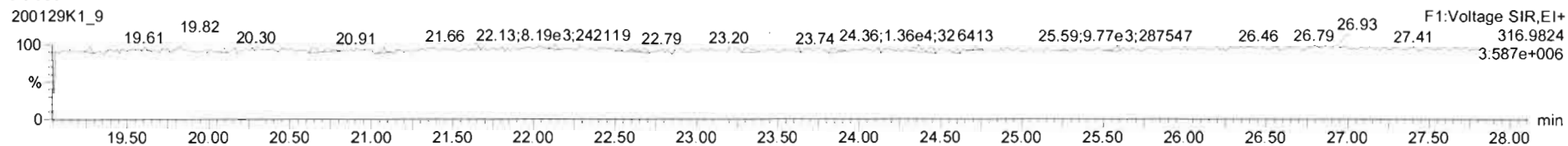
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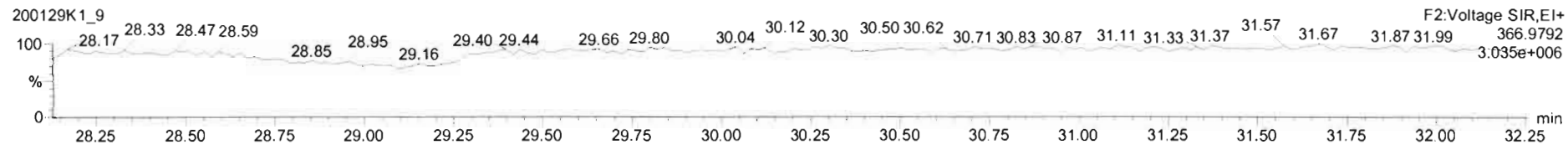
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Name: 200129K1_9, Date: 29-Jan-2020, Time: 21:38:23, ID: 1903650-04 PDI-066SC-B-06-08-191011 17.42, Description: PDI-066SC-B-06-08-191011

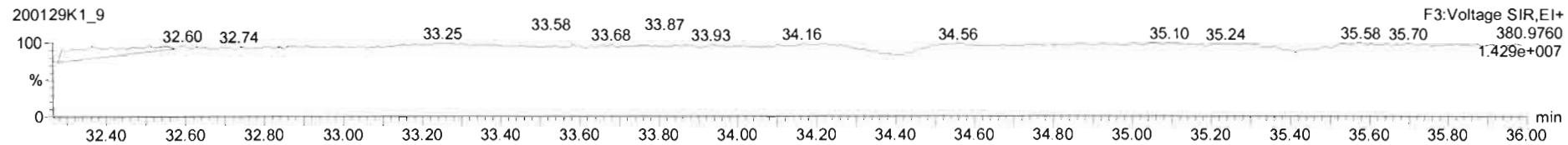
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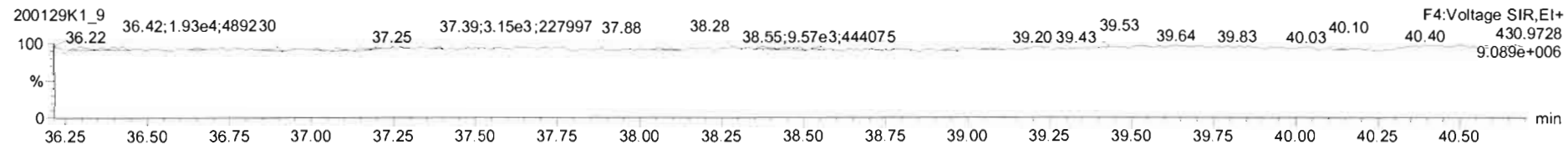
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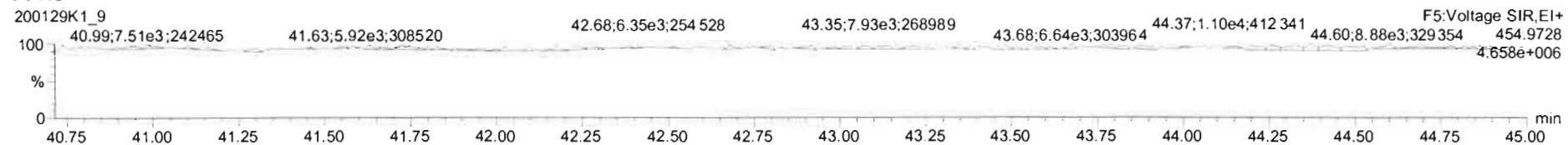
PFK3



PFK4



PFK5



Dataset: U:\VG11.PRO\Results\200129K1\200129K1-10.qld

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Method: Untitled 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_10, Date: 29-Jan-2020, Time: 22:28:07, ID: 1903650-05 PDI-088SC-B-00-02-191011 18.64, Description: PDI-088SC-B-00-02-191011

#	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	6.23e2	0.45	YES	0.943	10.017	26.092	26.09	1.001	1.001	0.26572		0.163	0.189
2	2 1,2,3,7,8-PeCDD			NO	0.897	10.017	31.251		1.001				0.297	
3	3 1,2,3,4,7,8-HxCDD	8.70e2	1.45	YES	1.17	10.017	34.602	34.61	1.000	1.001	0.52782		0.251	0.482
4	4 1,2,3,6,7,8-HxCDD	4.58e3	1.30	NO	1.01	10.017	34.691	34.69	1.000	1.000	2.4792		0.257	2.48
5	5 1,2,3,7,8,9-HxCDD	1.82e3	0.99	YES	0.982	10.017	34.989	34.98	1.001	1.001	0.98894		0.278	0.888
6	6 1,2,3,4,6,7,8-HpCDD	1.41e5	1.04	NO	1.06	10.017	38.455	38.45	1.000	1.000	98.579		1.09	98.6
7	7 OCDD	1.43e6	0.90	NO	1.04	10.017	41.692	41.70	1.000	1.000	1286.3		2.09	1290
8	8 2,3,7,8-TCDF	5.64e4	0.79	NO	0.970	10.017	25.092	25.10	1.001	1.001	15.919	(14.5)	0.287	15.9
9	9 1,2,3,7,8-PeCDF	5.03e4	1.57	NO	0.958	10.017	29.941	29.94	1.001	1.001	18.682		0.234	18.7
10	10 2,3,4,7,8-PeCDF	2.93e4	1.47	NO	1.01	10.017	30.930	30.95	1.000	1.001	10.406		0.201	10.4
11	11 1,2,3,4,7,8-HxCDF	7.04e4	1.24	NO	1.16	10.017	33.725	33.75	1.000	1.001	25.167		0.279	25.2
12	12 1,2,3,6,7,8-HxCDF	3.26e4	1.32	NO	1.14	10.017	33.856	33.86	1.000	1.000	10.345		0.271	10.3
13	13 2,3,4,6,7,8-HxCDF	9.65e3	1.26	NO	1.21	10.017	34.451	34.43	1.001	1.000	3.1043		0.278	3.10
14	14 1,2,3,7,8,9-HxCDF	8.39e2	1.07	NO	1.13	10.017	35.294	35.29	1.000	1.000	0.34243		0.433	0.342
15	15 1,2,3,4,6,7,8-HpCDF	8.48e4	1.03	NO	1.19	10.017	37.065	37.04	1.001	1.000	34.217		0.366	34.2
16	16 1,2,3,4,7,8,9-HpCDF	1.06e4	0.97	NO	1.39	10.017	39.058	39.08	1.000	1.001	5.5734		0.506	5.57
17	17 OCDF	1.08e5	0.89	NO	1.06	10.017	41.878	41.89	1.000	1.000	73.458		0.540	73.5
18	18 13C-2,3,7,8-TCDD	4.96e5	0.77	NO	1.17	10.017	26.053	26.06	1.027	1.028	138.41	69.3	0.295	
19	19 13C-1,2,3,7,8-PeCDD	3.67e5	0.63	NO	0.773	10.017	31.228	31.23	1.232	1.232	155.58	77.9	0.668	
20	20 13C-1,2,3,4,7,8-HxCDD	2.82e5	1.25	NO	0.600	10.017	34.580	34.59	1.014	1.014	131.77	66.0	0.862	
21	21 13C-1,2,3,6,7,8-HxCDD	3.67e5	1.29	NO	0.763	10.017	34.679	34.69	1.017	1.017	134.75	67.5	0.678	
22	22 13C-1,2,3,7,8,9-HxCDD	3.74e5	1.25	NO	0.676	10.017	34.951	34.95	1.025	1.025	155.19	77.7	0.765	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.69e5	1.08	NO	0.455	10.017	38.444	38.44	1.127	1.127	166.01	83.1	0.774	
24	24 13C-OCDD	4.26e5	0.90	NO	0.371	10.017	41.671	41.69	1.222	1.222	321.67	80.6	1.19	
25	25 13C-2,3,7,8-TCDF	7.29e5	0.77	NO	1.07	10.017	25.069	25.07	0.989	0.989	128.44	64.3	0.356	
26	26 13C-1,2,3,7,8-PeCDF	5.62e5	1.60	NO	0.765	10.017	29.917	29.92	1.180	1.180	138.29	69.3	0.876	
27	27 13C-2,3,4,7,8-PeCDF	5.59e5	1.54	NO	0.726	10.017	30.927	30.93	1.220	1.220	144.98	72.6	0.923	
28	28 13C-1,2,3,4,7,8-HxCDF	4.80e5	0.53	NO	0.965	10.017	33.720	33.72	0.989	0.989	139.58	69.9	0.678	
29	29 13C-1,2,3,6,7,8-HxCDF	5.50e5	0.54	NO	1.09	10.017	33.836	33.85	0.992	0.992	141.16	70.7	0.598	
30	30 13C-2,3,4,6,7,8-HxCDF	5.12e5	0.53	NO	0.984	10.017	34.409	34.42	1.009	1.009	145.91	73.1	0.665	
31	31 13C-1,2,3,7,8,9-HxCDF	4.31e5	0.58	NO	0.790	10.017	35.310	35.29	1.035	1.035	153.08	76.7	0.827	

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Name: 200129K1_10, Date: 29-Jan-2020, Time: 22:28:07, ID: 1903650-05 PDI-088SC-B-00-02-191011 18.64, Description: PDI-088SC-B-00-02-191011

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	4.16e5	0.45	NO	0.734	10.017	37.022	37.03	1.085	1.086	159.18	79.7	0.886	
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.74e5	0.42	NO	0.459	10.017	39.045	39.06	1.145	1.145	167.73	84.0	1.42	
34	34 13C-OCDF	5.53e5	0.89	NO	0.500	10.017	41.906	41.88	1.229	1.228	310.14	77.7	1.05	
35	35 37Cl-2,3,7,8-TCDD	1.89e5			1.12	10.017	26.073	26.08	1.028	1.028	55.103	69.0	0.0706	
36	36 13C-1,2,3,4-TCDD	6.10e5	0.78	NO	1.00	10.017	25.360	25.36	1.000	1.000	199.66	100	0.346	
37	37 13C-1,2,3,4-TCDF	1.06e6	0.78	NO	1.00	10.017	23.430	23.43	1.000	1.000	199.66	100	0.381	
38	38 13C-1,2,3,4,6,9-HxCDF	7.12e5	0.54	NO	1.00	10.017	34.100	34.11	1.000	1.000	199.66	100	0.654	
39	39 Total Tetra-Dioxins				0.943	10.017	24.620		0.000		2.1006		0.163	2.60
40	40 Total Penta-Dioxins				0.897	10.017	29.960		0.000		1.8204		0.297	2.63
41	41 Total Hexa-Dioxins				1.01	10.017	33.635		0.000		26.995		0.272	28.4
42	42 Total Hepta-Dioxins				1.06	10.017	38.800		0.000		261.75		1.09	262
43	43 Total Tetra-Furans				0.970	10.017	23.610		0.000		57.163		0.287	60.4
44	44 1st Func. Penta-Furans				0.958	10.017	27.040		0.000		11.211		0.0593	11.2
45	45 Total Penta-Furans				0.958	10.017	29.275		0.000		58.567		0.223	61.9
46	46 Total Hexa-Furans				1.21	10.017	33.555		0.000		69.638		0.297	73.0
47	47 Total Hepta-Furans				1.19	10.017	37.835		0.000		107.31		0.456	107

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Method: Untitled 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_10, Date: 29-Jan-2020, Time: 22:28:07, ID: 1903650-05 PDI-088SC-B-00-02-191011 18.64, Description: PDI-088SC-B-00-02-191011

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Tetra-Dioxins	21.73	2.324e4	2.812e4	2.092e3	2.830e3	0.74	NO	4.922e3	2.1006	2.1006	0.163
2 Total Tetra-Dioxins	22.16	4.816e3	5.508e3	4.580e2	4.146e2	1.10	YES	0.000e0	0.00000	0.31320	0.163
3 2,3,7,8-TCDD	26.09	4.120e3	6.448e3	1.923e2	4.302e2	0.45	YES	6.226e2	0.00000	0.18872	0.163

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Penta-Dioxins	28.97	1.021e4	1.657e4	9.570e2	1.474e3	0.65	NO	2.431e3	1.4722	1.4722	0.297
2 Total Penta-Dioxins	29.50	4.121e3	6.769e3	2.197e2	3.552e2	0.62	NO	5.749e2	0.34818	0.34818	0.297
3 Total Penta-Dioxins	29.98	9.262e3	1.434e4	6.355e2	8.244e2	0.77	YES	0.000e0	0.00000	0.81385	0.297

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Hexa-Dioxins	33.14	2.269e5	1.860e5	1.148e4	9.693e3	1.18	NO	2.117e4	12.319	12.319	0.272
2 Total Hexa-Dioxins	33.68	2.431e4	1.666e4	1.172e3	9.337e2	1.26	NO	2.106e3	1.2255	1.2255	0.272
3 Total Hexa-Dioxins	33.93	1.658e5	1.401e5	1.023e4	8.619e3	1.19	NO	1.885e4	10.971	10.971	0.272
4 1,2,3,4,7,8-HxCDD	34.61	9.702e3	7.032e3	5.156e2	3.545e2	1.45	YES	8.701e2	0.00000	0.48172	0.251
5 1,2,3,6,7,8-HxCDD	34.69	4.747e4	4.589e4	2.594e3	1.989e3	1.30	NO	4.583e3	2.4792	2.4792	0.257
6 1,2,3,7,8,9-HxCDD	34.98	1.857e4	1.856e4	9.043e2	9.163e2	0.99	YES	1.821e3	0.00000	0.88825	0.278

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 Total Hepta-Dioxins	37.42	1.735e6	1.659e6	1.187e5	1.150e5	1.03	NO	2.337e5	163.17	163.17	1.09
2 1,2,3,4,6,7,8-HpCDD	38.45	9.504e5	9.000e5	7.213e4	6.907e4	1.04	NO	1.412e5	98.579	98.579	1.09

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Name: 200129K1_10, Date: 29-Jan-2020, Time: 22:28:07, ID: 1903650-05 PDI-088SC-B-00-02-191011 18.64, Description: PDI-088SC-B-00-02-191011

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	19.67	6.935e3	7.603e3	4.089e2	5.726e2	0.71	NO	9.816e2	0.27718	0.27718	0.287
2	Total Tetra-Furans	20.19	1.376e4	1.513e4	1.088e3	1.143e3	0.95	YES	0.000e0	0.00000	0.57119	0.287
3	Total Tetra-Furans	20.77	4.247e4	5.507e4	3.733e3	4.893e3	0.76	NO	8.626e3	2.4360	2.4360	0.287
4	Total Tetra-Furans	21.29	1.784e4	2.403e4	2.245e3	2.849e3	0.79	NO	5.094e3	1.4386	1.4386	0.287
5	Total Tetra-Furans	21.69	1.019e5	1.298e5	1.046e4	1.317e4	0.79	NO	2.363e4	6.6727	6.6727	0.287
6	Total Tetra-Furans	22.16	4.483e4	5.265e4	4.089e3	5.137e3	0.80	NO	9.226e3	2.6054	2.6054	0.287
7	Total Tetra-Furans	22.32	7.894e3	4.852e3	4.195e2	3.960e2	1.06	YES	0.000e0	0.00000	0.19792	0.287
8	Total Tetra-Furans	22.50	1.694e4	1.788e4	1.504e3	1.724e3	0.87	NO	3.228e3	0.91142	0.91142	0.287
9	Total Tetra-Furans	22.96	3.870e3	6.516e3	3.329e2	5.218e2	0.64	YES	0.000e0	0.00000	0.21610	0.287
10	Total Tetra-Furans	23.35	2.413e4	3.405e4	2.568e3	2.995e3	0.86	NO	5.563e3	1.5710	1.5710	0.287
11	Total Tetra-Furans	23.43	3.616e4	4.177e4	3.486e3	4.431e3	0.79	NO	7.917e3	2.2357	2.2357	0.287
12	Total Tetra-Furans	24.03	2.970e5	3.765e5	2.849e4	3.655e4	0.78	NO	6.504e4	18.366	18.366	0.287
13	Total Tetra-Furans	24.36	1.905e4	2.883e4	1.555e3	2.179e3	0.71	NO	3.733e3	1.0542	1.0542	0.287
14	Total Tetra-Furans	24.85	6.124e3	6.322e3	3.454e2	5.615e2	0.62	YES	0.000e0	0.00000	0.22423	0.287
15	Total Tetra-Furans	24.98	5.656e4	6.229e4	3.877e3	4.637e3	0.84	NO	8.514e3	2.4043	2.4043	0.287
16	2,3,7,8-TCDF	25.10	2.939e5	3.688e5	2.494e4	3.143e4	0.79	NO	5.638e4	15.919	15.919	0.287
17	Total Tetra-Furans	25.48	1.851e4	2.811e4	1.661e3	2.095e3	0.79	NO	3.756e3	1.0607	1.0607	0.287
18	Total Tetra-Furans	25.79	5.118e3	5.453e3	3.309e2	4.126e2	0.80	NO	7.436e2	0.20997	0.20997	0.287
19	Total Tetra-Furans	27.25	4.965e4	5.713e4	3.716e3	4.016e3	0.93	YES	0.000e0	0.00000	2.0071	0.287

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	27.27	3.093e5	1.718e5	1.857e4	1.157e4	1.61	NO	3.013e4	11.211	11.211	0.0593

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Name: 200129K1_10, Date: 29-Jan-2020, Time: 22:28:07, ID: 1903650-05 PDI-088SC-B-00-02-191011 18.64, Description: PDI-088SC-B-00-02-191011

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.79	2.344e4	1.331e4	1.441e3	7.188e2	2.00	YES	0.000e0	0.00000	0.68196	0.223
2	Total Penta-Furans	28.93	3.338e5	1.896e5	2.242e4	1.374e4	1.63	NO	3.616e4	13.455	13.455	0.223
3	Total Penta-Furans	29.56	4.267e4	2.671e4	3.844e3	2.154e3	1.79	YES	0.000e0	0.00000	2.0433	0.223
4	Total Penta-Furans	29.76	9.869e4	6.300e4	5.508e3	3.494e3	1.58	NO	9.003e3	3.3495	3.3495	0.223
5	1,2,3,7,8-PeCDF	29.94	5.424e5	3.424e5	3.075e4	1.958e4	1.57	NO	5.033e4	18.682	18.682	0.234
6	Total Penta-Furans	30.22	2.547e5	1.537e5	1.480e4	9.224e3	1.60	NO	2.402e4	8.9365	8.9365	0.223
7	2,3,4,7,8-PeCDF	30.95	3.531e5	2.398e5	1.747e4	1.186e4	1.47	NO	2.934e4	10.406	10.406	0.201
8	Total Penta-Furans	30.97	2.512e5	1.467e5	6.360e3	3.689e3	1.72	NO	1.005e4	3.7388	3.7388	0.223
9	Total Penta-Furans	31.87	2.662e4	1.294e4	1.158e3	6.085e2	1.90	YES	0.000e0	0.00000	0.57730	0.223

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.58	9.381e4	8.950e4	5.038e3	4.100e3	1.23	NO	9.138e3	3.0485	3.0485	0.297
2	Total Hexa-Furans	32.75	3.367e5	2.909e5	1.653e4	1.344e4	1.23	NO	2.998e4	10.001	10.001	0.297
3	Total Hexa-Furans	33.29	5.565e5	4.524e5	2.830e4	2.287e4	1.24	NO	5.117e4	17.071	17.071	0.297
4	Total Hexa-Furans	33.65	2.472e4	2.520e4	8.752e2	7.988e2	1.10	NO	1.674e3	0.55846	0.55846	0.297
5	1,2,3,4,7,8-HxCDF	33.75	7.399e5	6.028e5	3.890e4	3.148e4	1.24	NO	7.039e4	25.167	25.167	0.279
6	1,2,3,6,7,8-HxCDF	33.86	3.266e5	2.599e5	1.852e4	1.408e4	1.32	NO	3.260e4	10.345	10.345	0.271
7	2,3,4,6,7,8-HxCDF	34.43	1.072e5	9.141e4	5.377e3	4.273e3	1.26	NO	9.650e3	3.1043	3.1043	0.278
8	1,2,3,7,8,9-HxCDF	35.29	1.636e4	2.010e4	4.340e2	4.055e2	1.07	NO	8.395e2	0.34243	0.34243	0.433
9	Total Hexa-Furans	35.35	1.057e5	6.148e4	5.825e3	4.111e3	1.42	NO	0.000e0	0.00000	3.3148	0.297

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	37.04	6.328e5	6.089e5	4.301e4	4.181e4	1.03	NO	8.482e4	34.217	34.217	0.366
2	Total Hepta-Furans	37.63	1.022e6	9.587e5	7.024e4	6.860e4	1.02	NO	1.388e5	67.516	67.516	0.456
3	1,2,3,4,7,8,9-HpCDF	39.08	8.846e4	8.594e4	5.228e3	5.412e3	0.97	NO	1.064e4	5.5734	5.5734	0.506

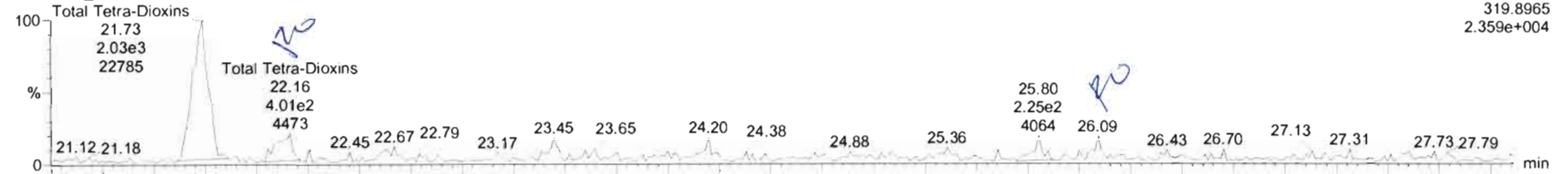
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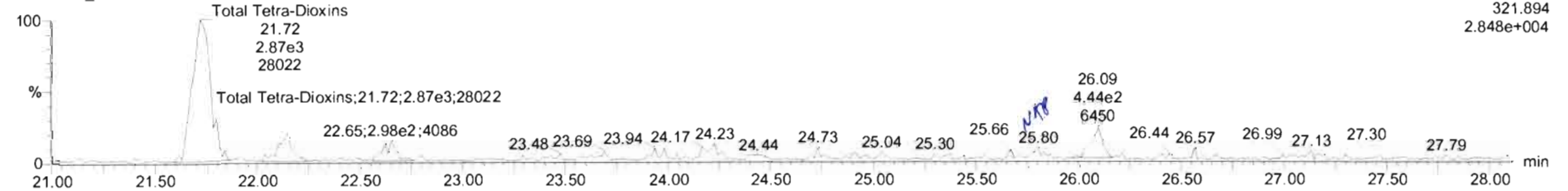
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2,3,7,8-TCDD

200129K1_10

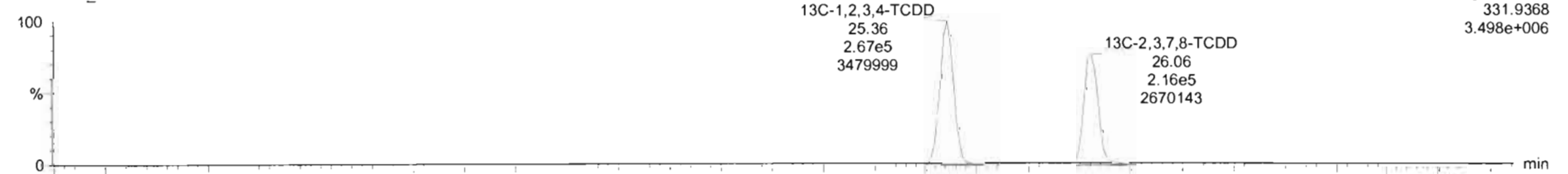


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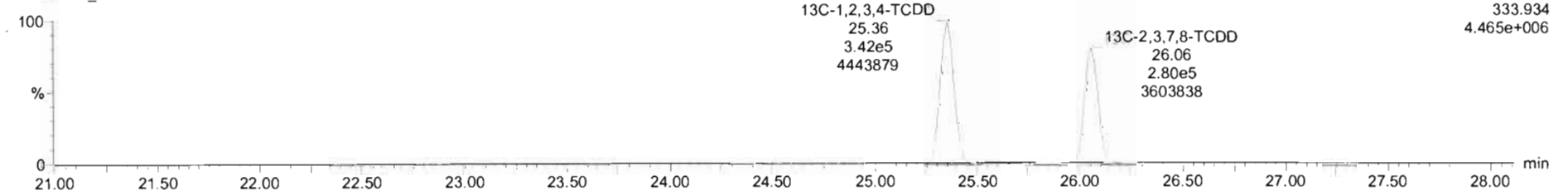


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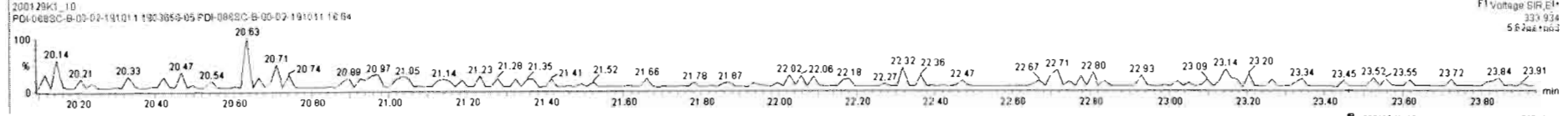
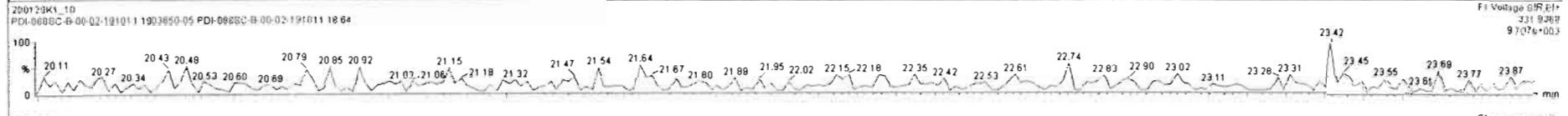
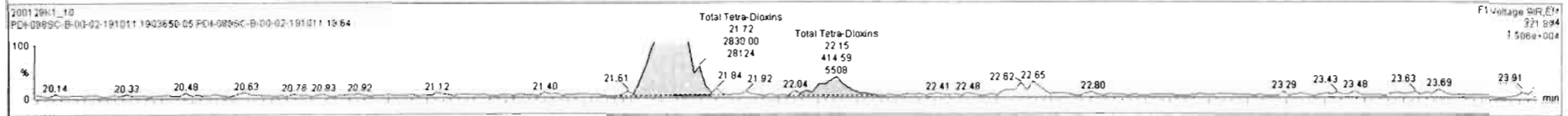
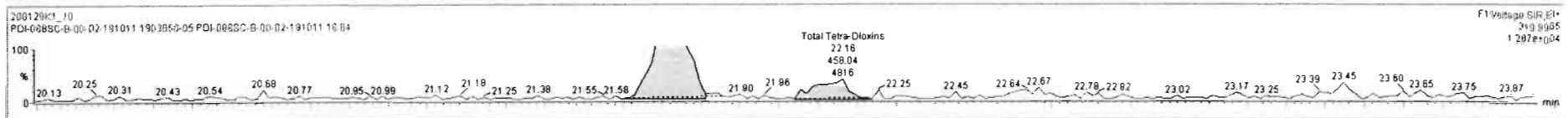


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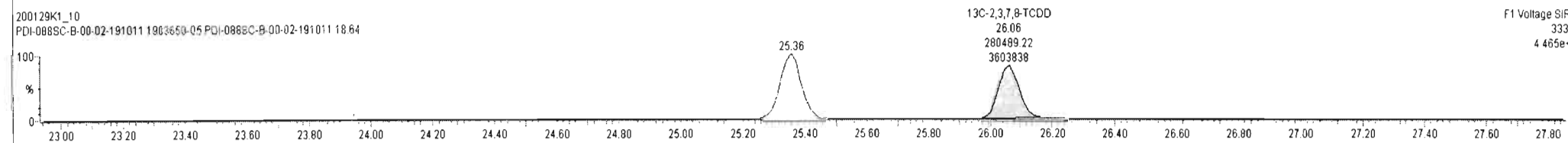
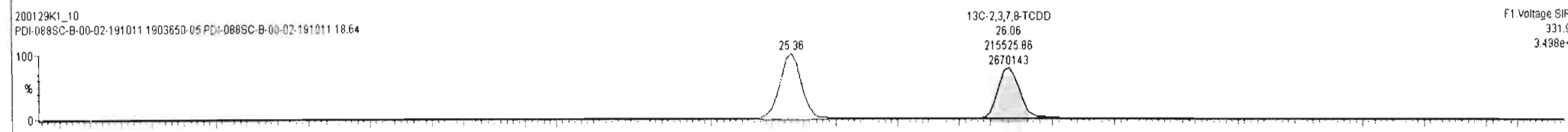
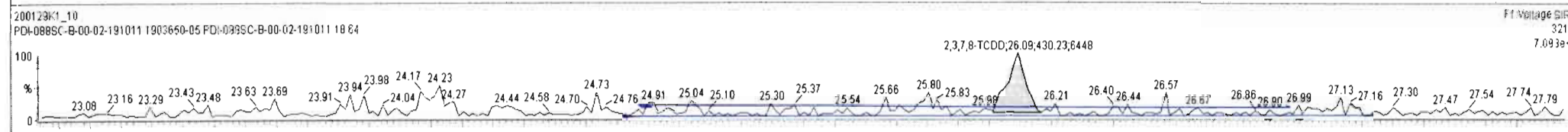
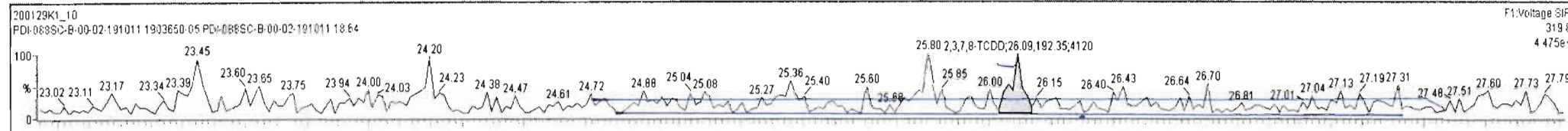
Name	Resp	RA	n/y	RRF	wtVol	RT	RR1	Conc	%Rec	DL	EMPC
32 13C-1,2,3,4,6,7,8-HpCDF	4.60e5	0.44	NO	0.7335	10.017	37.03	1.086	176	88.0	0.896	
33 13C-1,2,3,4,7,8,9-HpCDF	2.74e5	0.42	NO	0.4587	10.017	39.06	1.145	168	84.0	1.42	
34 13C-OCDF	5.53e5	0.89	NO	0.5003	10.017	41.88	1.228	310	77.7	1.05	
35 37Cl-2,3,7,8-TCDD	1.89e5			1.1244	10.017	26.08	1.028	55.1	69.0	0.0706	
36 13C-1,2,3,4-TCDD	6.10e5	0.78	NO	1.0000	10.017	25.36	1.000	200	100	0.346	
37 13C-1,2,3,4-TCDF	1.06e6	0.78	NO	1.0000	10.017	23.43	1.000	200	100	0.381	
38 13C-1,2,3,4,8,9-HxCDF	7.12e5	0.54	NO	1.0000	10.017	34.11	1.000	200	100	0.654	
39 Total Tetra-Dioxins				0.9431	10.017			2.10		0.163	2.80
40 Total Penta-Dioxins				0.9974	10.017			1.50		0.297	3.50
41 Total Hexa-Dioxins				1.0068	10.017			26.1		0.272	28.8

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1 Total Tetra-Dioxins	22.18	4.580e2	4.146e2	1.10	YES	0.31320	0.00000
2 Total Tetra-Dioxins	21.73	2.092e3	2.830e3	0.74	NO	2.1008	2.1006
3 2,3,7,8-TCDD	26.09	1.923e2	4.300e2	0.45	YES	0.18872	0.00000



Name	Resp	RA	n/y	RFF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	4.60e5	0.44	NO	0.7335	10.017	37.03	1.086	176	88.0	0.886
33	13C-1,2,3,4,7,8,9-HpCDF	2.74e5	0.42	NO	0.4587	10.017	39.06	1.145	168	84.0	1.42
34	13C-OCDF	5.53e5	0.89	NO	0.5003	10.017	41.88	1.228	310	77.7	1.05
35	37Cl-2,3,7,8-TCDD	1.89e5			1.1244	10.017	26.08	1.028	55.1	69.0	0.0706
36	13C-1,2,3,4-TCDD	6.10e5	0.78	NO	1.0000	10.017	25.36	1.000	200	100	0.346
37	13C-1,2,3,4-TCDF	1.06e6	0.78	NO	1.0000	10.017	23.43	1.000	200	100	0.381
38	13C-1,2,3,4,6,9-HxCDF	7.12e5	0.54	NO	1.0000	10.017	34.11	1.000	200	100	0.654
39	Total Tetra-Dioxins				0.9431	10.017			2.10		0.163 2.60
40	Total Penta-Dioxins				0.8974	10.017			1.50		0.297 3.50
41	Total Hexa-Dioxins				1.0068	10.017			28.1		0.272 28.8
42	Total Hepta-Dioxins				1.0677	10.017			24.7		1.10 24.9

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.	
1	Total Tetra-Dioxins	22.15	4.580e2	4.146e2	1.10	YES	0.31320	0.00000
2	Total Tetra-Dioxins	21.73	2.092e3	2.830e3	0.74	NO	2.1006	2.1006
3	2,3,7,8-TCDD	26.09	1.923e2	4.302e2	0.45	YES	0.18872	0.00000



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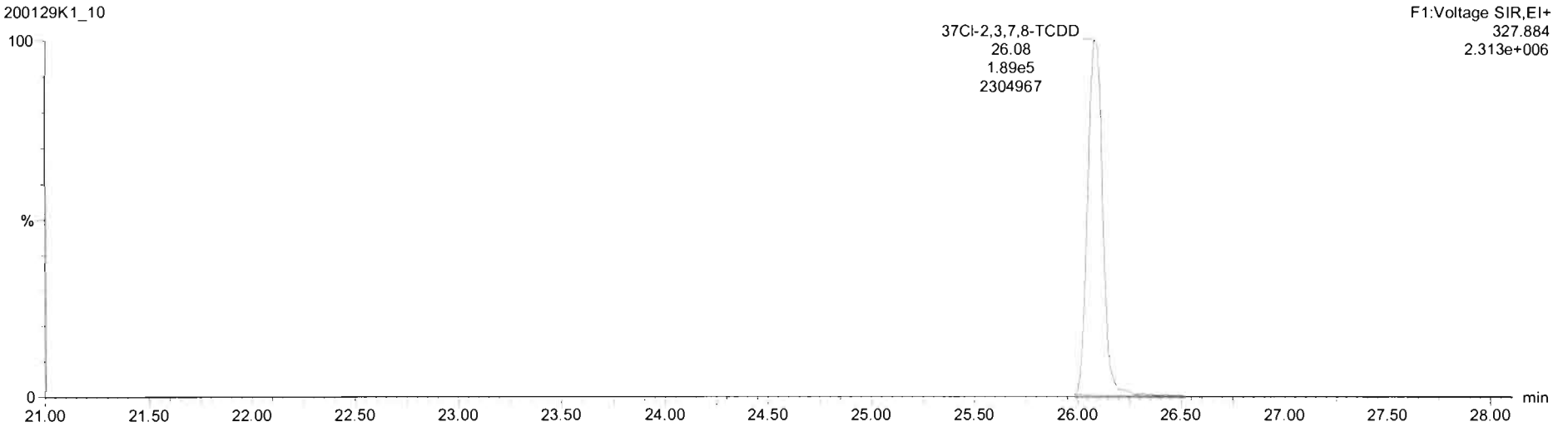
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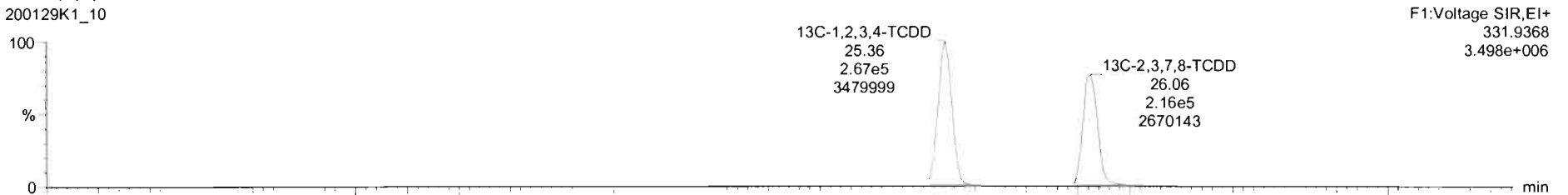
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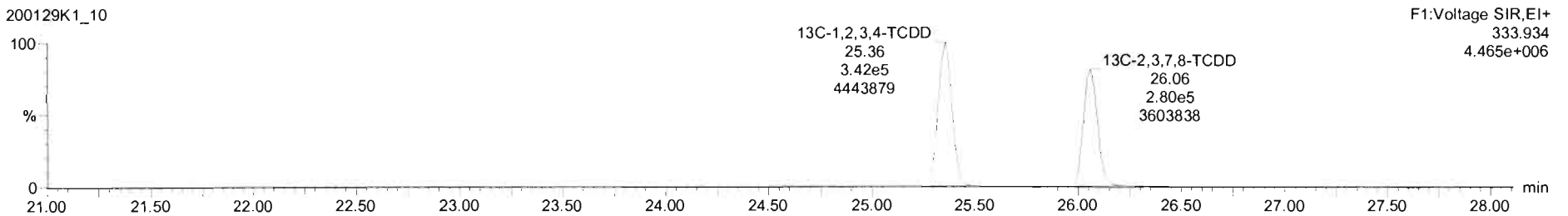


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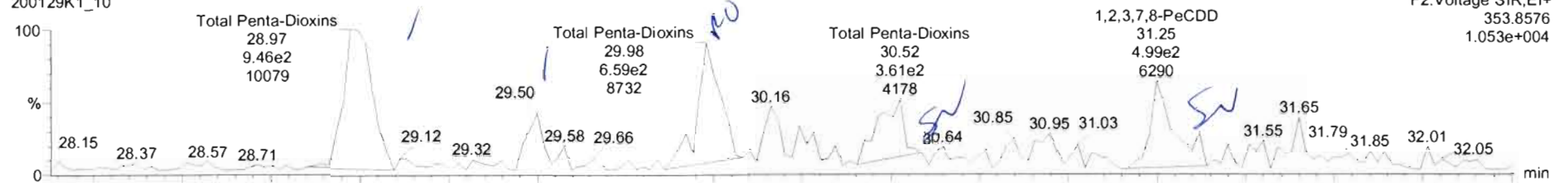
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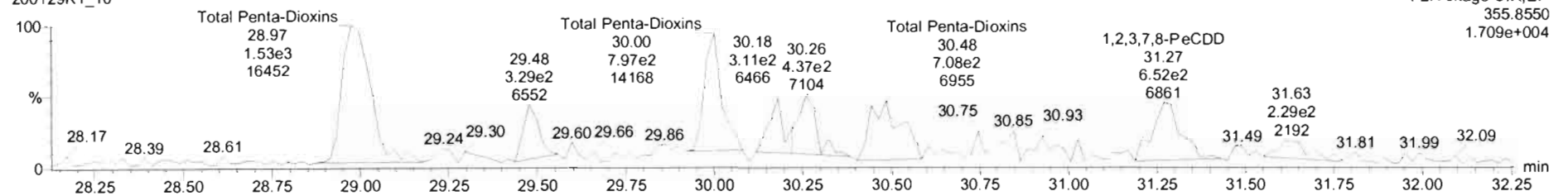
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1,2,3,7,8-PeCDD

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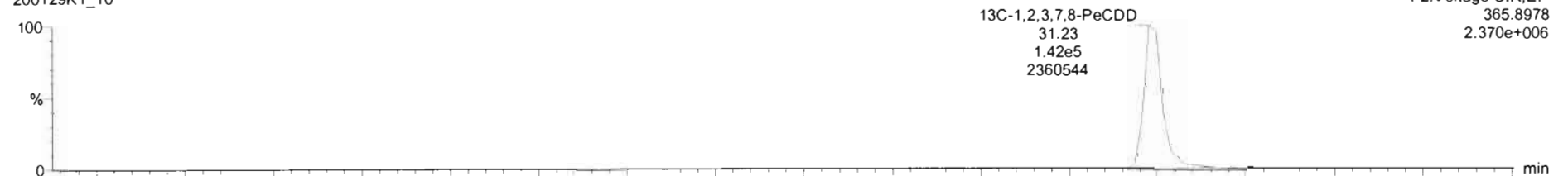


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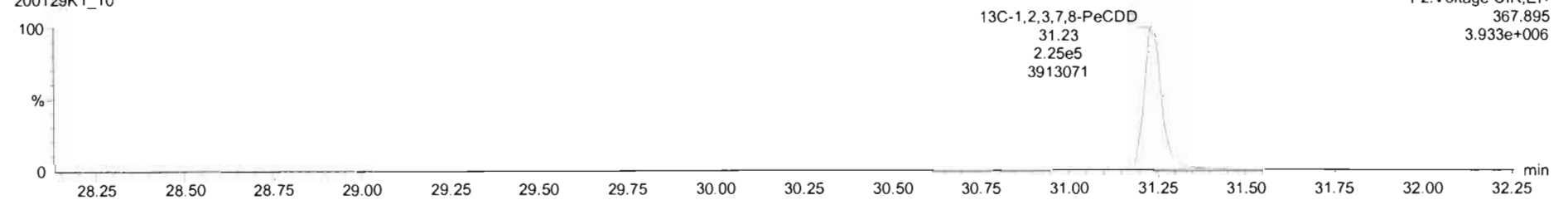


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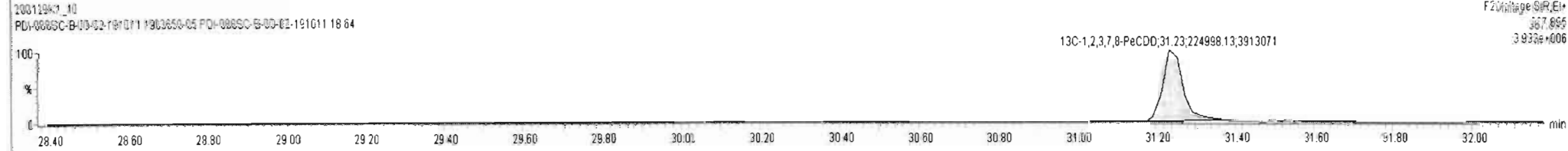
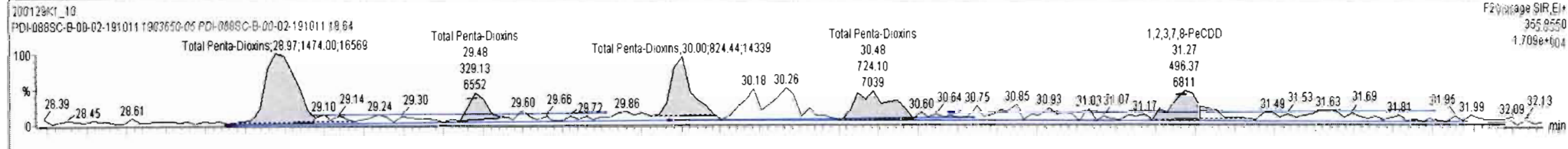
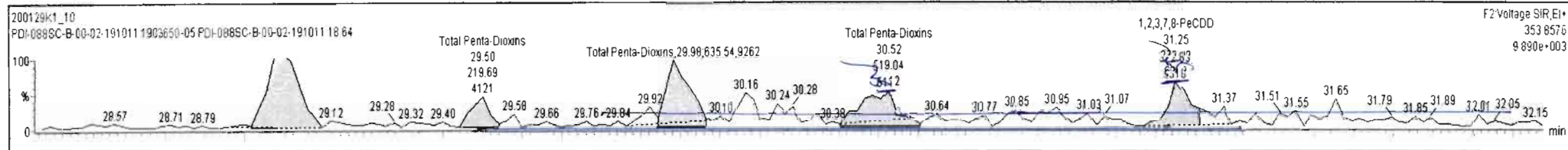


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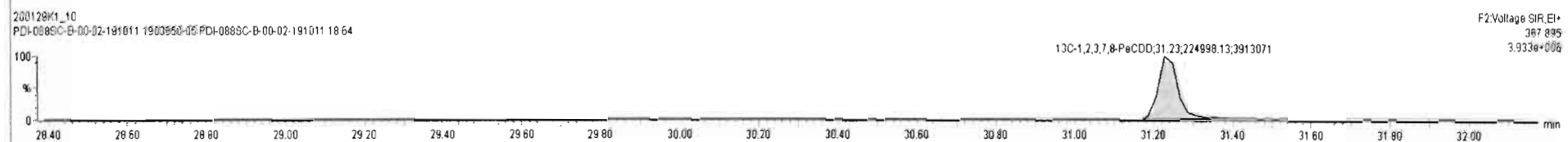
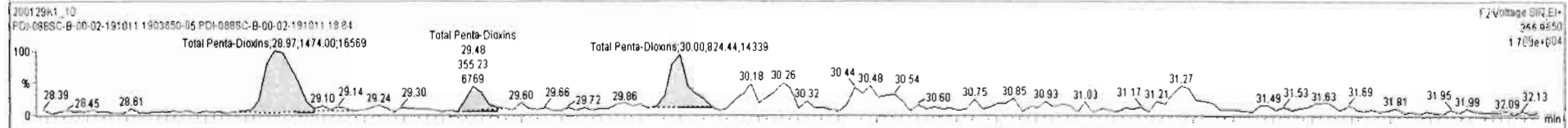
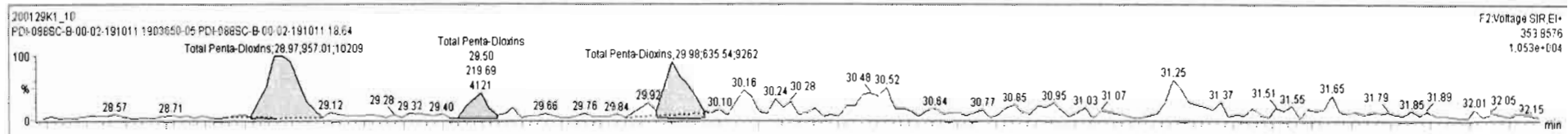
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	4.60e5	0.44	NO	0.7335	10.017	37.03	1.088	176	88.0	0.886
33	13C-1,2,3,4,7,8,9-HpCDF	2.74e5	0.42	NO	0.4587	10.017	39.06	1.145	168	84.0	1.42
34	13C-OCDF	5.53e5	0.89	NO	0.5003	10.017	41.88	1.228	310	77.7	1.05
35	37Cl-2,3,7,8-TCDD	1.89e5			1.1244	10.017	26.08	1.028	55.1	69.0	0.0706
36	13C-1,2,3,4-TCDD	6.10e5	0.78	NO	1.0000	10.017	25.36	1.000	200	100	0.346
37	13C-1,2,3,4-TCDF	1.06e6	0.78	NO	1.0000	10.017	23.43	1.000	200	100	0.381
38	13C-1,2,3,4,6,9-HxCDF	7.12e5	0.54	NO	1.0000	10.017	34.11	1.000	200	100	0.654
39	Total Tetra-Dioxins				0.9431	10.017			2.10		0.163 2.60
40	Total Penta-Dioxins				0.8974	10.017			2.56		0.297 3.86
41	Total Hexa-Dioxins				1.0068	10.017			28.1		0.272 28.8
42	Total Hepta-Dioxins				1.0677	10.017			243		1.10 243

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Dioxins	28.97	9.570e2	1.474e3	0.65	NO	1.4722	1.4722
2 Total Penta-Dioxins	29.50	2.197e2	3.291e2	0.67	NO	0.33237	0.33237
3 Total Penta-Dioxins	29.98	6.355e2	8.244e2	0.77	YES	0.81385	0.00000
4 Total Penta-Dioxins	30.52	5.190e2	7.241e2	0.72	NO	0.75286	0.75286
5 1,2,3,7,8-PeCDD	31.25	3.728e2	4.964e2	0.75	YES	0.48899	0.00000



Name	Resp	RA	n/y	RF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	4.80e5	0.44	NO	0.7335	10.017	37.03	1.088	176	80.0	0.896
33	13C-1,2,3,4,7,8,9-HpCDF	2.74e5	0.42	NO	0.4587	10.017	39.06	1.145	168	84.0	1.42
34	13C-OCDF	5.53e5	0.89	NO	0.5003	10.017	41.88	1.226	310	77.7	1.05
35	37Cl-2,3,7,8-TCDD	1.89e5			1.1244	10.017	26.08	1.028	55.1	69.0	0.0706
36	13C-1,2,3,4-TCDD	6.10e5	0.78	NO	1.0000	10.017	25.36	1.000	200	100	0.346
37	13C-1,2,3,4-TCDF	1.06e6	0.78	NO	1.0000	10.017	23.43	1.000	200	100	0.381
38	13C-1,2,3,4,6,9-HxCDF	7.12e5	0.54	NO	1.0000	10.017	34.11	1.000	200	100	0.654
39	Total Tetra-Dioxins				0.9431	10.017			2.10	0.163	2.60
40	Total Penta-Dioxins				0.8974	10.017			1.82	0.297	2.63
41	Total Hexa-Dioxins				1.0068	10.017			26.1	0.272	26.8
42	Total Hepta-Dioxins				1.0077	10.017			24.7	1.10	24.7

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Penta-Dioxins	28.97	9.570e2	1.474e3	0.65	NO	1.4722
2	Total Penta-Dioxins	29.50	2.197e2	3.552e2	0.62	NO	0.34818
3	Total Penta-Dioxins	29.98	6.355e2	8.244e2	0.77	YES	0.81385



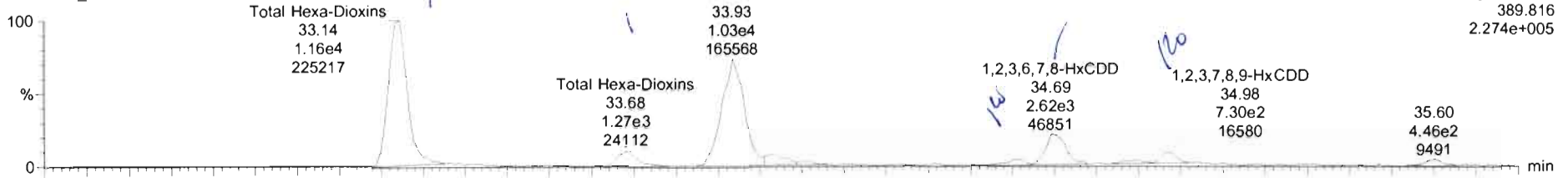
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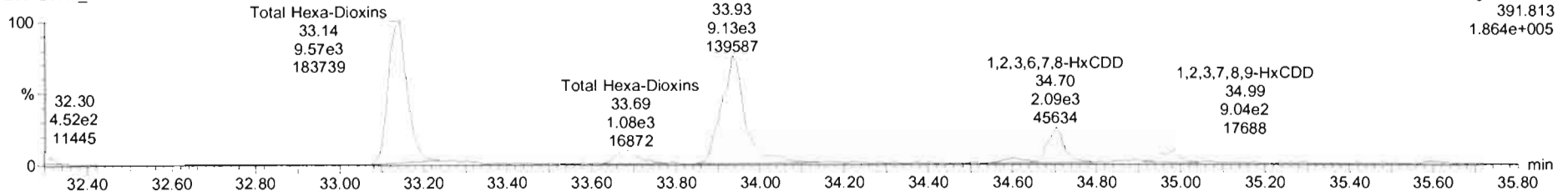
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1,2,3,4,7,8-HxCDD

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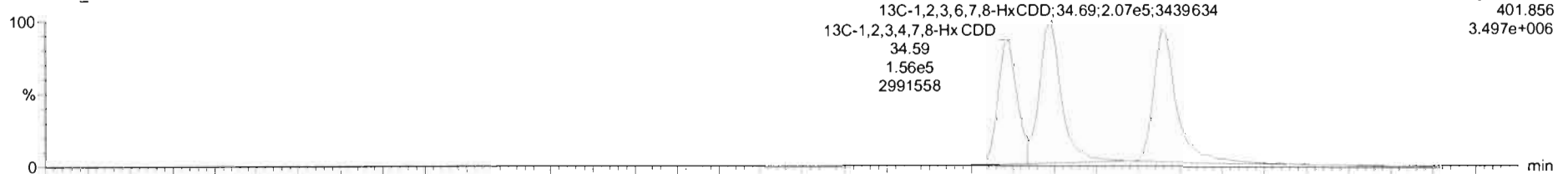


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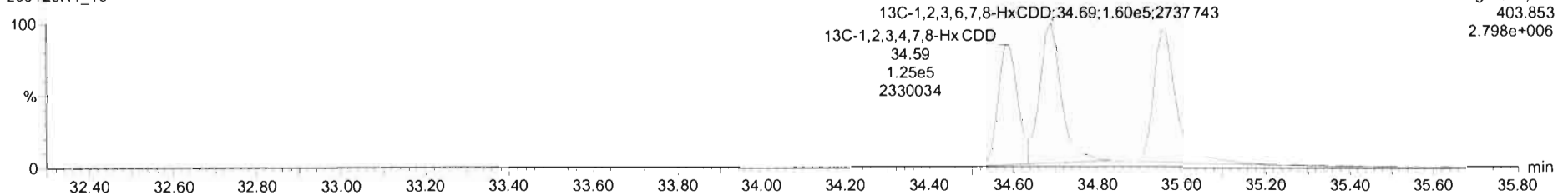


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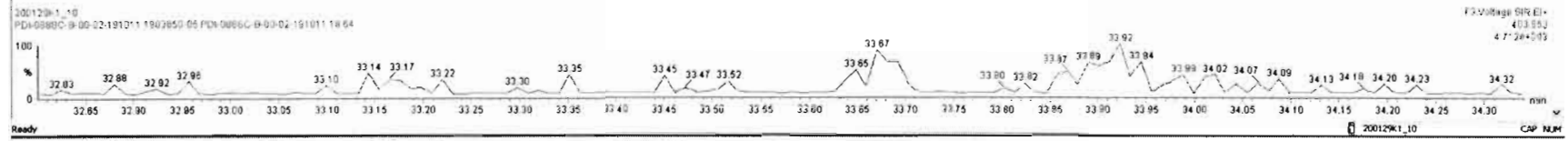
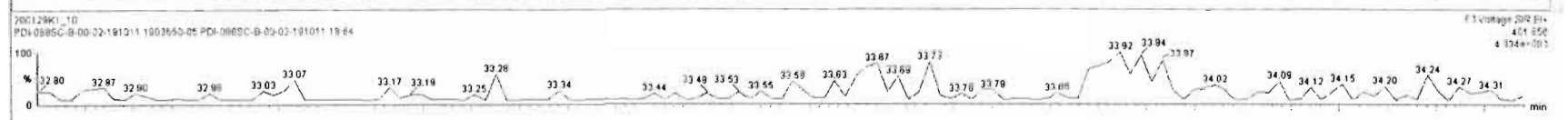


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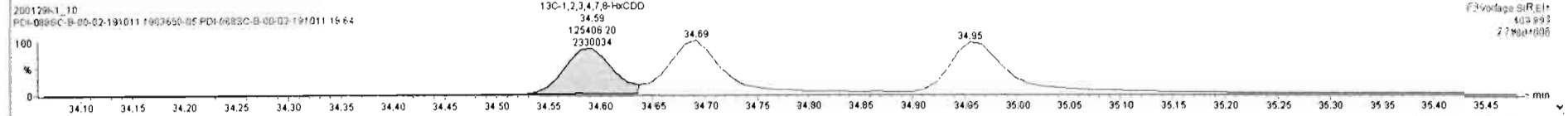
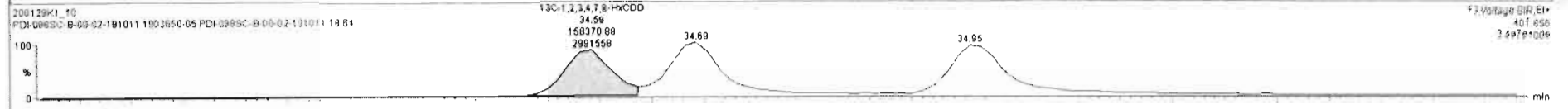
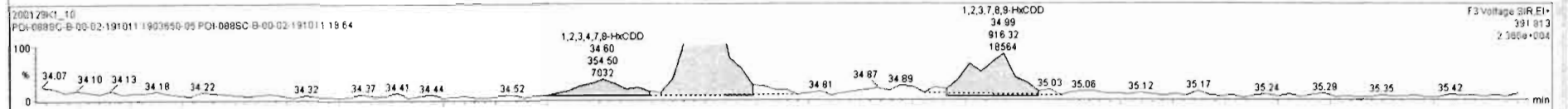
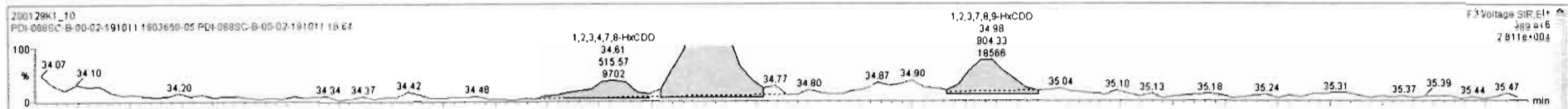
#	Name	Resp	RA	nly	RFF	wtVol	RT	RRT	Conc.	%Rec	EL	EMPC
41	Total Hexa-Dioxins				1.0088	10.017			27.0	0.272	26.4	
42	Total Hepta-Dioxins				1.0622	10.017			242	1.110	242	
43	Total Tetra-Furans				0.8700	10.017			56.7	0.287	59.4	
44	1st Func. Penta-Furans				0.9580	10.017			11.2	0.0593	11.2	
45	Total Penta-Furans				0.9580	10.017			81.7	0.223	82.9	
46	Total Hexa-Furans				1.2131	10.017			76.0	0.297	78.4	
47	Total Hepta-Furans				1.1881	10.017			103	0.448	104	
48	PFK1											
49	PFK2											
50	PFK3											
51	Other											

#	Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1	Total Hexa-Dioxins	33.14	1.148e4	9.693e3	1.18	NO	12.319	12.319
2	Total Hexa-Dioxins	33.69	1.172e2	9.337e2	1.26	NO	1.2255	1.2255
3	Total Hexa-Dioxins	33.93	1.023e4	8.619e3	1.19	NO	10.971	10.971
4	1,2,3,4,7,8-HxCDD	34.81	5.156e2	3.545e2	1.45	YES	0.48772	0.00000
5	1,2,3,6,7,8-HxCDD	34.89	2.584e3	1.989e3	1.30	NO	2.4792	2.4792
6	1,2,3,7,8-HxCDD	34.98	9.043e2	9.163e2	0.99	YES	0.88825	0.00000



Name	Resp	RA	n/y	RRF	wtAol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				1.0068	10.017			27.0	0.272	28.4	
42 Total Hepta-Dioxins				1.0622	10.017			242	1.10	242	
43 Total Tetra-Furans				0.9700	10.017			56.7	0.267	59.4	
44 1st Func. Penta-Furans				0.9580	10.017			11.2	0.0593	11.2	
45 Total Penta-Furans				0.9580	10.017			61.7	0.223	62.9	
46 Total Hexa-Furans				1.2131	10.017			76.0	0.297	76.4	
47 Total Hepta-Furans				1.1891	10.017			103	0.448	104	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	33.14	1.148e4	9.693e3	1.18	NO	12.319	12.319
2 Total Hexa-Dioxins	33.68	1.172e3	9.337e2	1.26	NO	1.2255	1.2255
3 Total Hexa-Dioxins	33.93	1.023e4	8.619e3	1.19	NO	10.971	10.971
4 1,2,3,4,7,8-HxCDD	34.61	5.156e2	3.545e2	1.45	YES	0.48172	0.00000
5 1,2,3,6,7,8-HxCDD	34.69	2.594e3	1.989e3	1.30	NO	2.4792	2.4792
6 1,2,3,7,8,9-HxCDD	34.98	9.043e2	9.163e2	0.99	YES	0.88825	0.00000



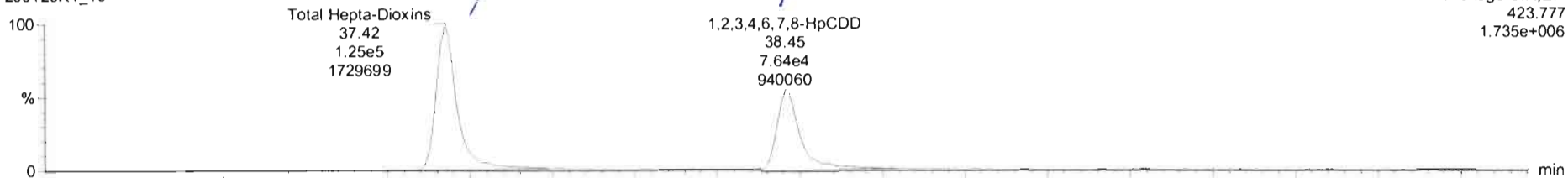
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Name: 200129K1_10, Date: 29-Jan-2020, Time: 22:28:07, ID: 1903650-05 PDI-088SC-B-00-02-191011 18.64, Description: PDI-088SC-B-00-02-191011

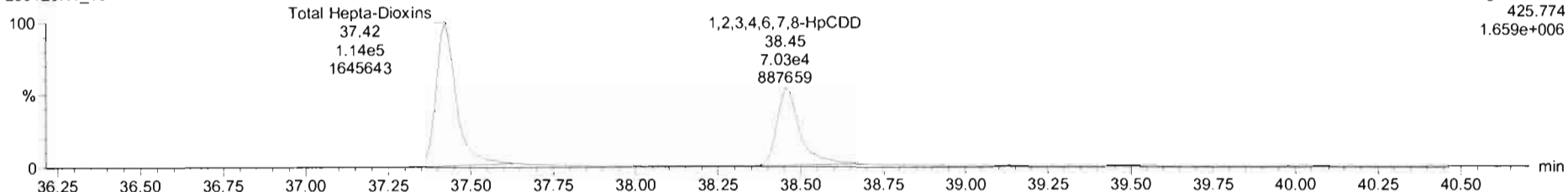
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200129K1_10



F4:Voltage SIR,EI+
423.777
1.735e+006

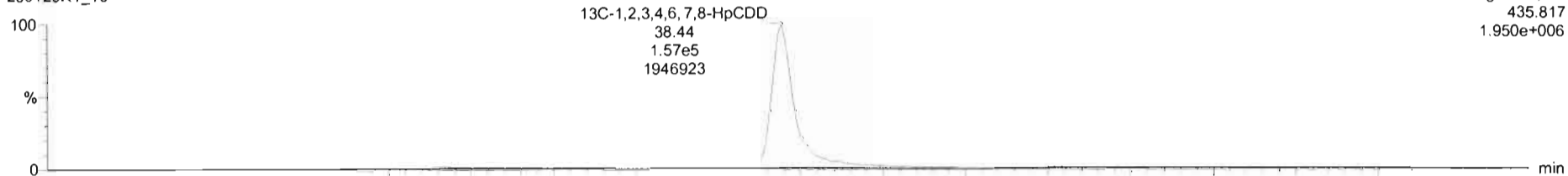
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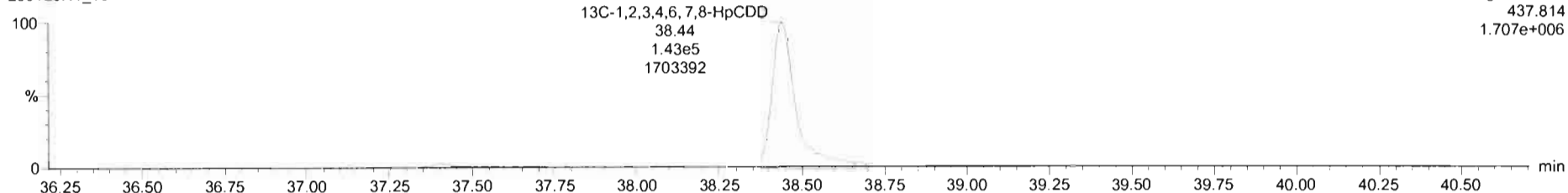
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200129K1_10



F4:Voltage SIR,EI+
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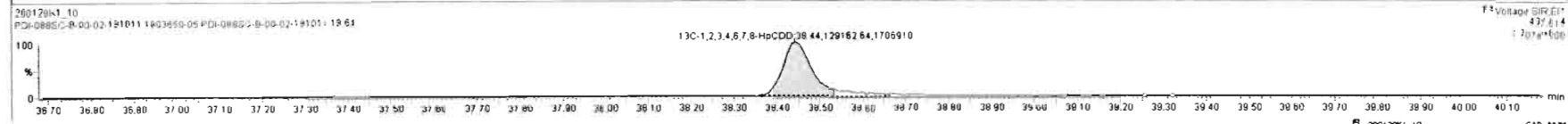
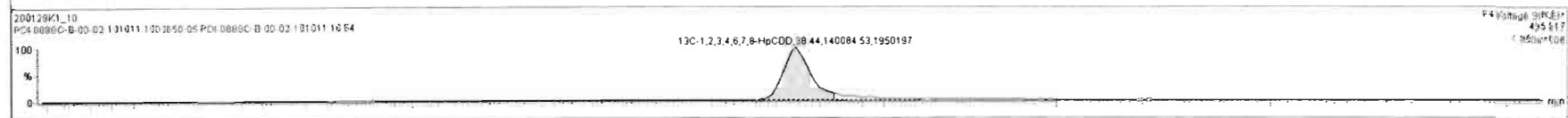
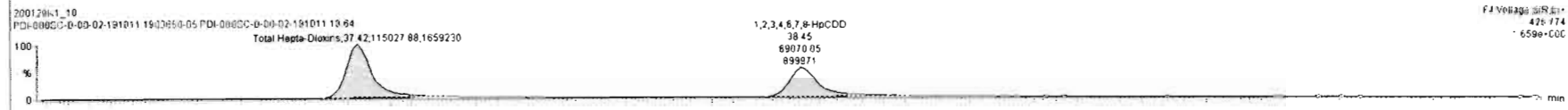
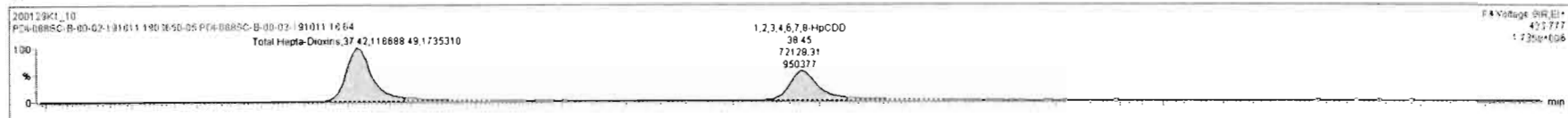
200129K1_10



F4:Voltage SIR,EI+
437.814
1.707e+006

Name	Resp	RA	n/y	RfF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
41 Total Hexa-Dioxins				1.0068	10.017			27.0	0.272	26.4	
42 Total Hepta-Dioxins				1.0622	10.017			262	1.08	262	
43 Total Tetra-Furans				0.9700	10.017			56.7	0.287	59.4	
44 1st Func. Penta-Furans				0.9580	10.017			11.2	0.0583	11.2	
45 Total Penta-Furans				0.9580	10.017			61.7	0.223	62.8	
46 Total Hexa-Furans				1.2131	10.017			76.0	0.297	76.4	
47 Total Hepta-Furans				1.1891	10.017			103	0.448	104	
48 PFK1											
49 PFK2											
50 PFK3											
51 Total											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1 Total Hepta-Dioxins	37.42	1.187e5	1.150e5	1.03	NO	163.17	163.17
2 1,2,3,4,6,7,8-HpCDD	38.45	7.213e4	6.907e4	1.04	NO	98.579	98.579

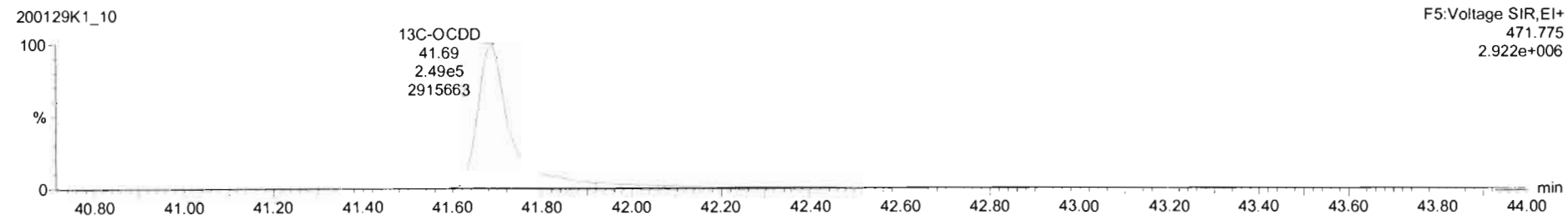
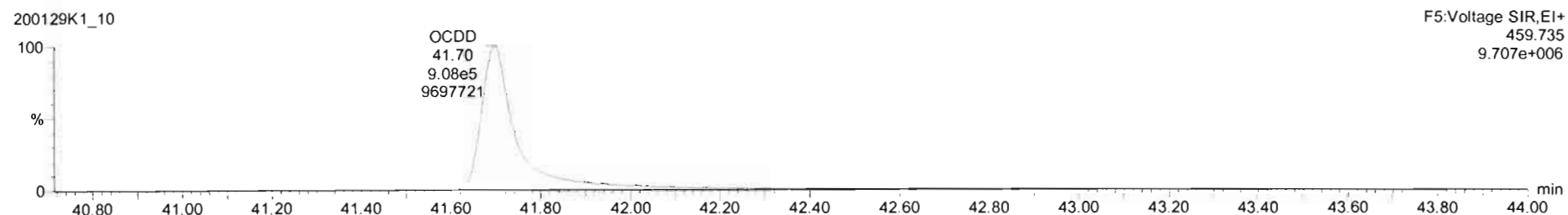
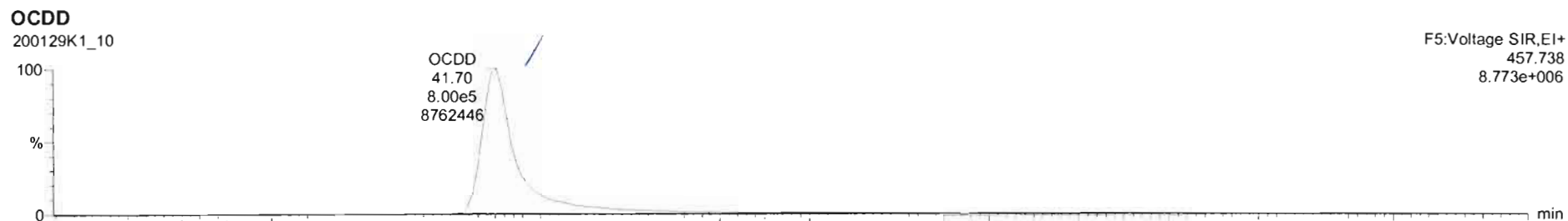


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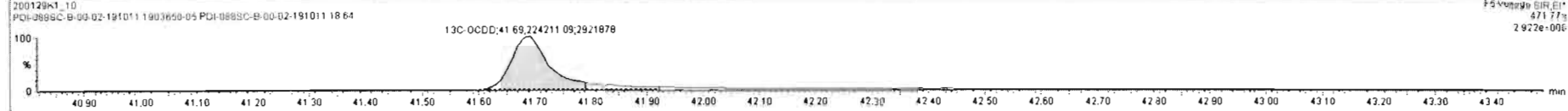
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200129K1_10 1903650.05 PDI-0885C-B-00-02-191011 18:54 PDI-0885C-B-00-02-191011

#	Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD			NO	0.9431	10.017					0.163	
2	1,2,3,7,8-PeCDD	1.15e3	0.77	YES	0.8974	10.017	31.25	1.001	0.697		0.287	0.643
3	1,2,3,4,7,8-HxCDD	8.15e2	1.30	NO	1.1680	10.017	34.61	1.001	0.494		0.251	0.494
4	1,2,3,6,7,8-HxCDD	4.71e3	1.25	NO	1.0068	10.017	34.68	1.000	2.55		0.257	2.55
5	1,2,3,7,8,9-HxCDD	1.63e3	0.81	YES	0.9820	10.017	34.98	1.001	0.888		0.278	0.717
6	1,2,3,4,6,7,8-HpCDD	1.47e5	1.09	NO	1.0622	10.017	38.46	1.000	91.8		1.10	91.8
7	OCDD	1.43e6	0.80	NO	1.0440	10.017	41.70	1.000	1290		2.09	1290
8	2,3,7,8-TCDF	5.53e4	0.80	NO	0.9700	10.017	25.10	1.001	15.8		0.287	15.6
9	1,2,3,7,8-PeCDF	5.24e4	1.59	NO	0.9590	10.017	29.94	1.001	19.5		0.234	19.5
10	2,3,4,7,8-PeCDF	4.01e4	1.60	NO	1.0074	10.017	30.95	1.001	14.2		0.201	14.2

#	Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1								

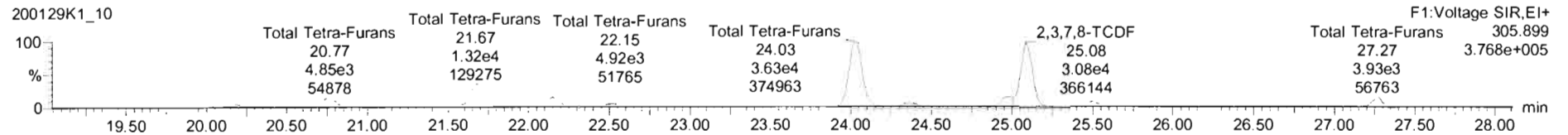
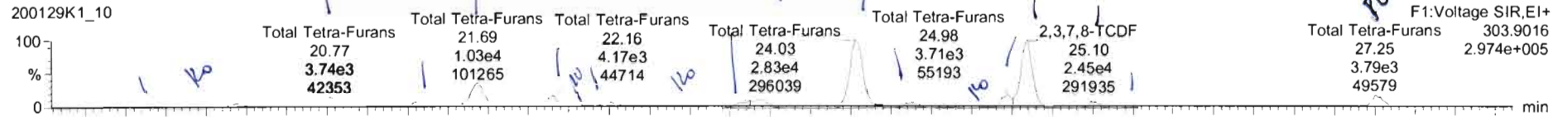


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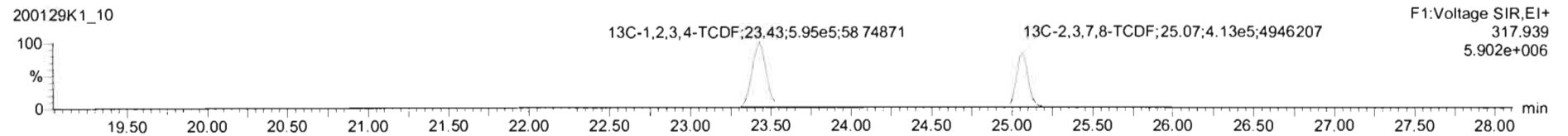
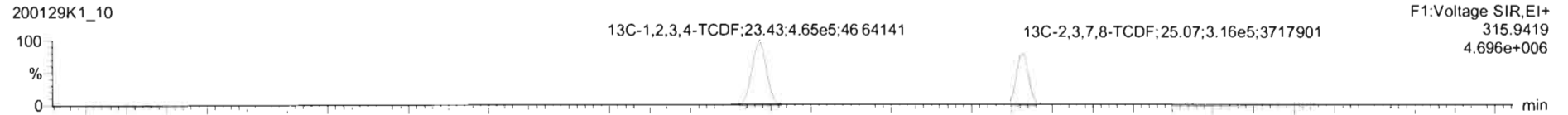
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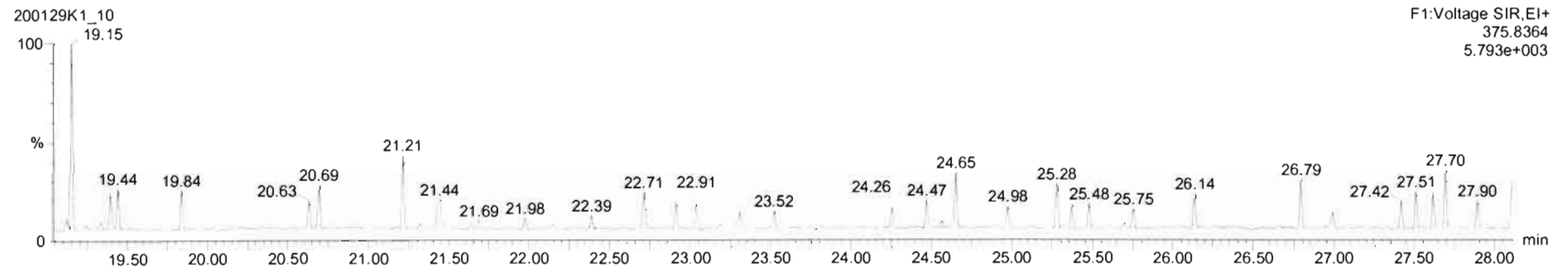
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13C-2,3,7,8-TCDF

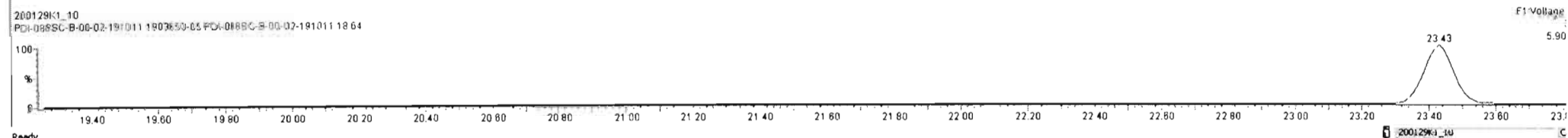
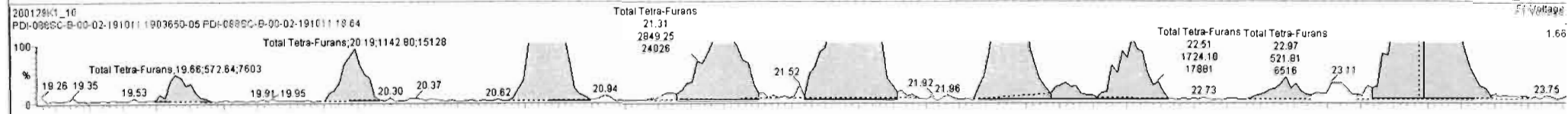
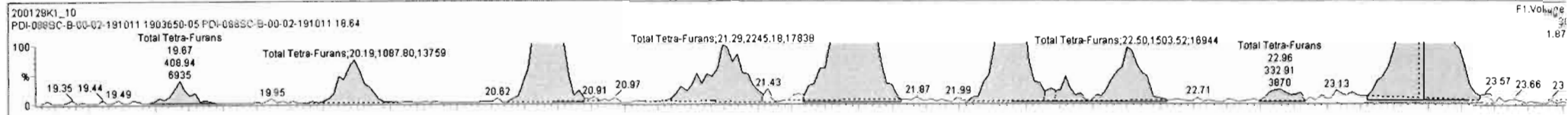


DPE1



Name	Resp	RA	nly	RRF	wlVol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				1.0068	10.017			27.0		0.272	28.4
42 Total Hepta-Dioxins				1.0622	10.017			262		1.09	262
43 Total Tetra-Furans				0.9700	10.017			57.2		0.287	60.4
44 1st Func. Penta-Furans				0.9580	10.017			11.2		0.0593	11.2
45 Total Penta-Furans				0.9580	10.017			61.7		0.223	62.9
46 Total Hexa-Furans				1.2131	10.017			76.0		0.297	76.4
47 Total Hepta-Furans				1.1991	10.017			103		0.448	104
48 PFK1											
49 PFK2											
50											

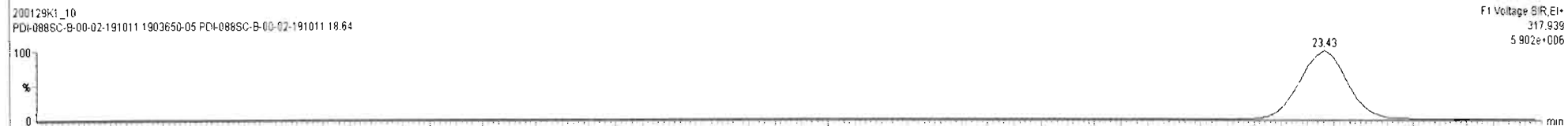
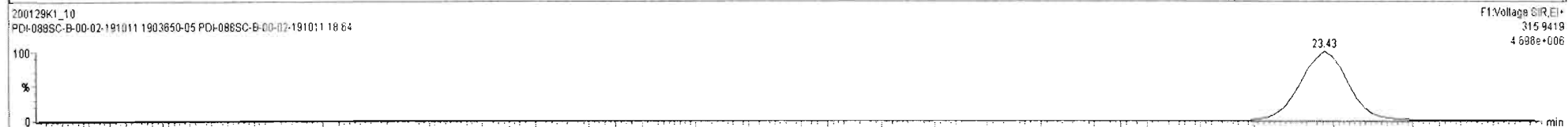
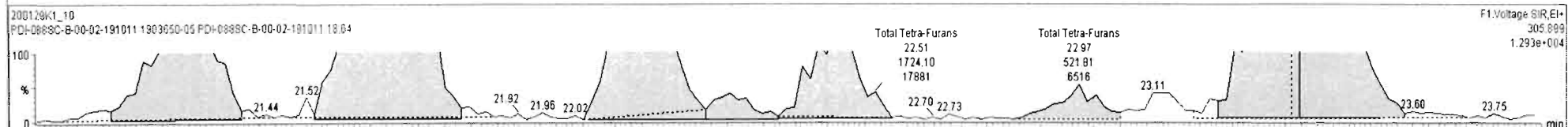
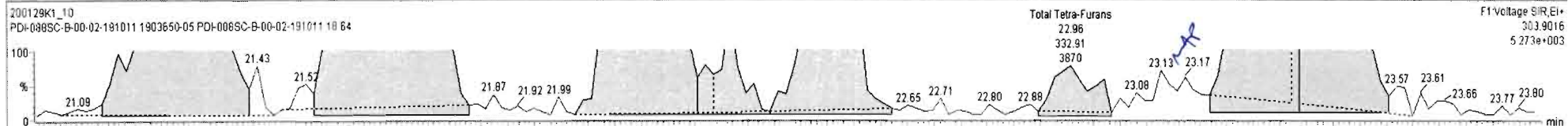
Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Tetra-Furans	19.67	4.089e2	5.726e2	0.71	NO	0.27718	0.27718
2 Total Tetra-Furans	20.19	1.089e3	1.143e3	0.95	YES	0.57119	0.00000
3 Total Tetra-Furans	20.77	3.733e3	4.893e3	0.76	NO	2.4360	2.4360
4 Total Tetra-Furans	21.29	2.245e3	2.849e3	0.79	NO	1.4386	1.4386
5 Total Tetra-Furans	21.69	1.046e4	1.317e4	0.79	NO	6.6727	6.6727
6 Total Tetra-Furans	22.16	4.089e3	5.137e3	0.80	NO	2.6054	2.6054
7 Total Tetra-Furans	22.32	4.195e2	3.960e2	1.06	YES	0.19792	0.00000



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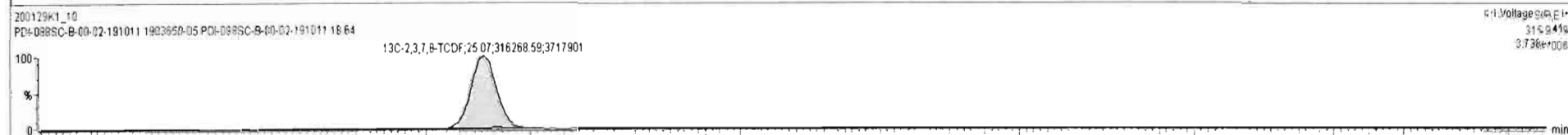
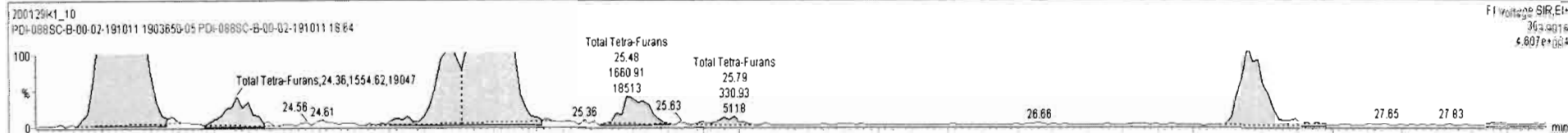
Name	Resp	RA	n/y	RF	wt/rt	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				1.0068	10.017			27.0	0.272	26.4	
42 Total Hepta-Dioxins				1.0622	10.017			262	1.08	262	
43 Total Tetra-Furans				0.9700	10.017			57.2	0.287	60.4	
44 1st Func. Penta-Furans				0.9580	10.017			11.2	0.0593	11.2	
45 Total Penta-Furans				0.9580	10.017			61.7	0.223	62.9	
46 Total Hexa-Furans				1.2131	10.017			76.0	0.297	76.4	
47 Total Hepta-Furans				1.1891	10.017			103	0.448	104	
48 PFK1											
49 PFK2											
40											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	19.67	4.089e2	5.726e2	0.71	NO	0.27718	0.27718
2 Total Tetra-Furans	20.19	1.088e3	1.143e3	0.95	YES	0.57119	0.00000
3 Total Tetra-Furans	20.77	3.733e3	4.893e3	0.76	NO	2.4360	2.4360
4 Total Tetra-Furans	21.29	2.245e3	2.849e3	0.79	NO	1.4386	1.4386
5 Total Tetra-Furans	21.68	1.046e4	1.317e4	0.79	NO	6.6727	6.6727
6 Total Tetra-Furans	22.16	4.089e3	5.137e3	0.80	NO	2.6054	2.6054
7 Total Tetra-Furans	22.32	4.195e2	3.960e2	1.06	YES	0.19792	0.00000



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				1.0068	10.017			27.0		0.272	28.4
42 Total Hepta-Dioxins				1.0622	10.017			262		1.09	262
43 Total Tetra-Furans				0.9700	10.017			57.2		0.287	60.4
44 1st Func. Penta-Furans				0.9580	10.017			11.2		0.0593	11.2
45 Total Penta-Furans				0.9580	10.017			61.7		0.223	62.9
46 Total Hexa-Furans				1.2131	10.017			76.0		0.297	76.4
47 Total Hepta-Furans				1.1891	10.017			103		0.448	104
48 PFK1											
49 PFK2											

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
2 Total Tetra-Furans	20.19	1.088e3	1.143e3	0.95	YES	0.57119	0.00000
3 Total Tetra-Furans	20.77	3.733e3	4.893e3	0.76	NO	2.4360	2.4360
4 Total Tetra-Furans	21.29	2.245e3	2.849e3	0.79	NO	1.4386	1.4386
5 Total Tetra-Furans	21.69	1.046e4	1.317e4	0.79	NO	6.6727	6.6727
6 Total Tetra-Furans	22.16	4.089e3	5.137e3	0.80	NO	2.6054	2.6054
7 Total Tetra-Furans	22.32	4.195e2	3.960e2	1.06	YES	0.19792	0.00000
8 Total Tetra-Furans	22.50	1.504e3	1.724e3	0.87	NO	0.91142	0.91142



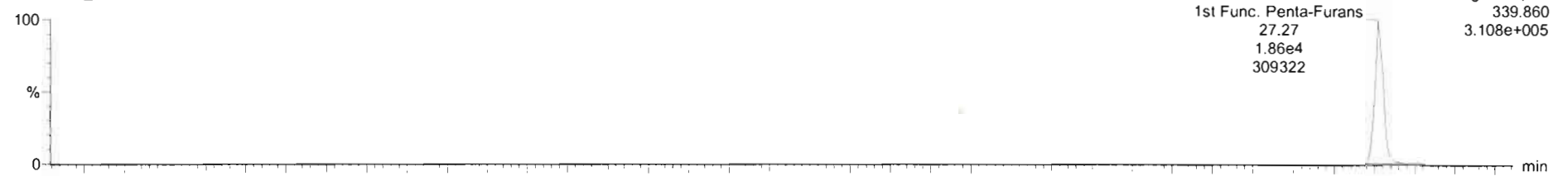
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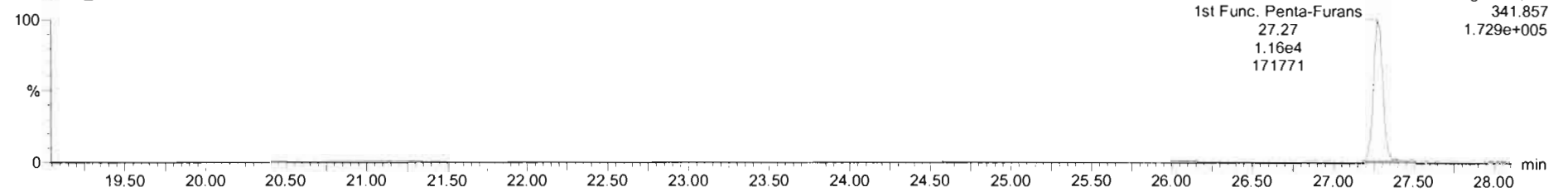
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1st Func. Penta-Furans

200129K1_10

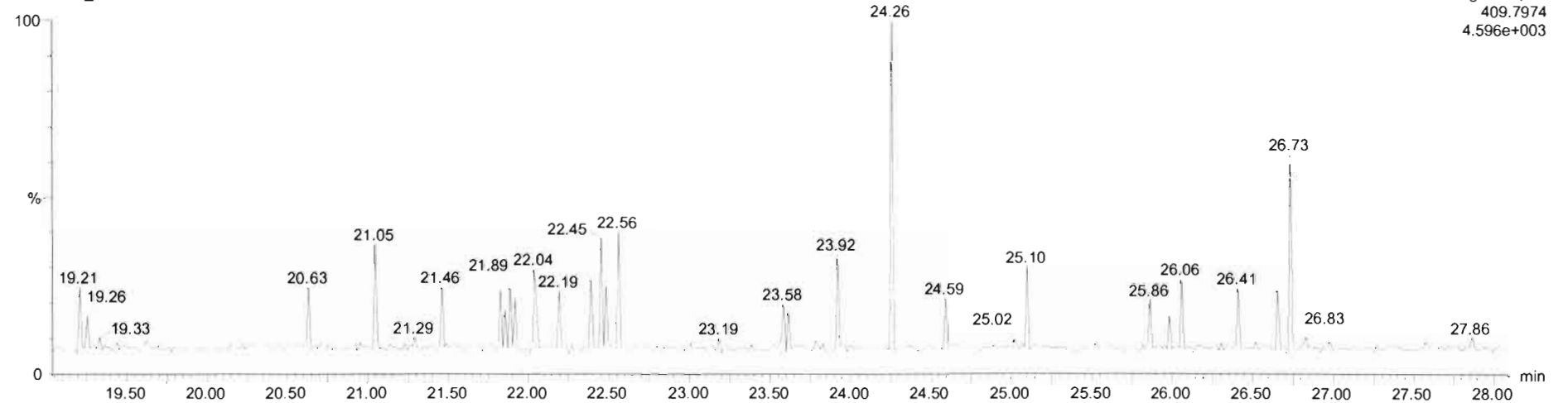


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DPE6

200129K1_10



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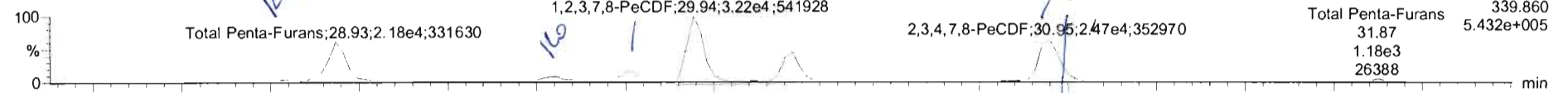
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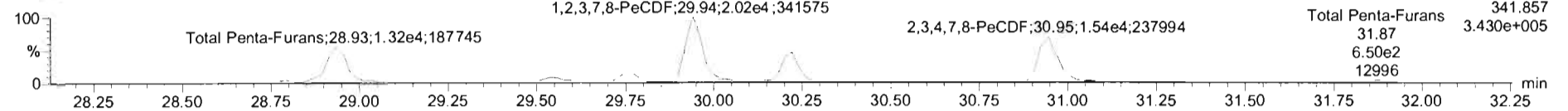
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1,2,3,7,8-PeCDF

200129K1_10

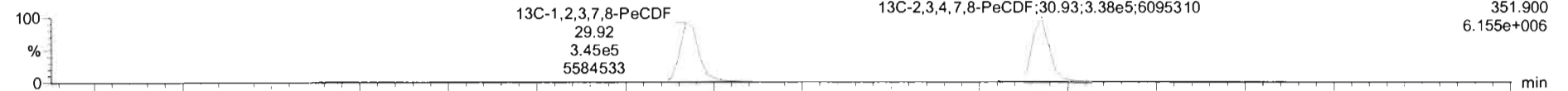


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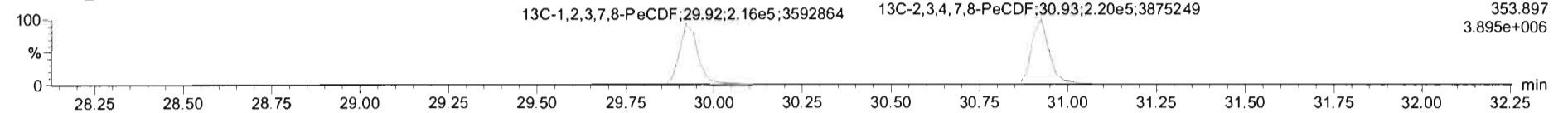


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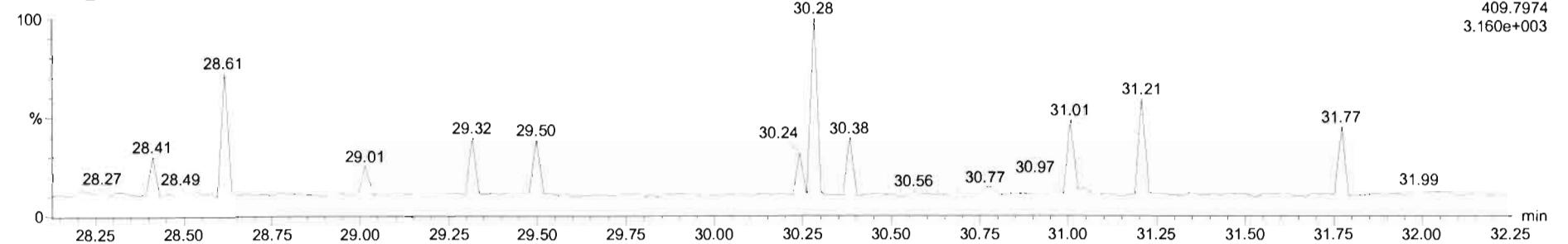


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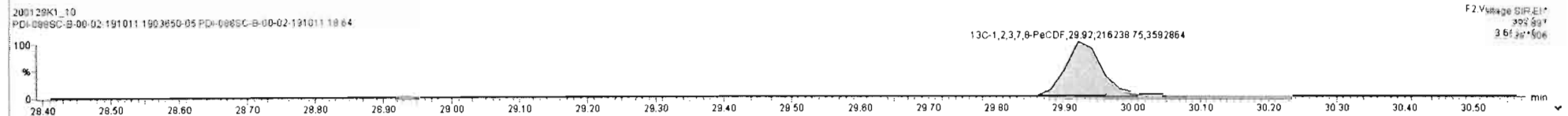
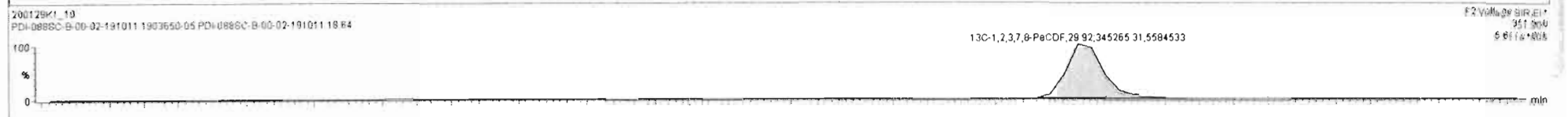
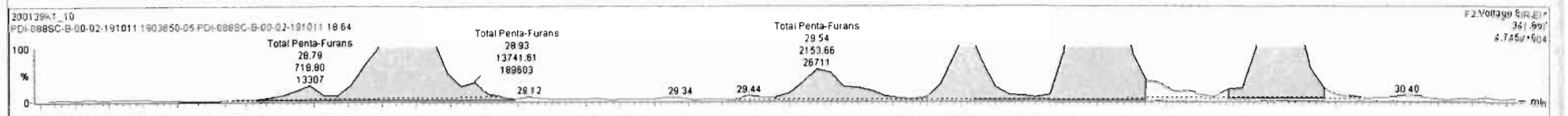
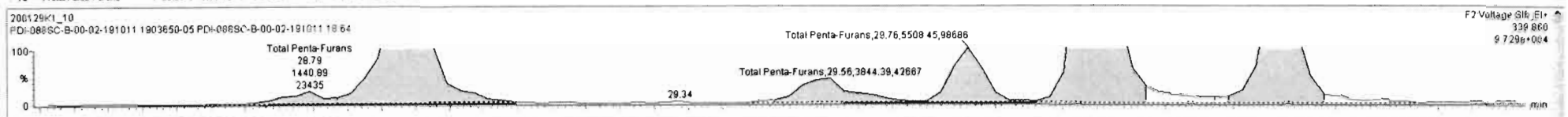
DPE2

200129K1_10



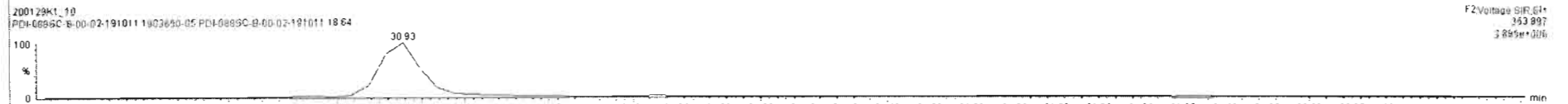
Name	Resp	RA	n/y	RF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
38 13C-1,2,3,4,6,8-HxCDF	7.12e5	0.54	NO	1.0000	10.017	34.11	1.000	200	100	0.654	
39 Total Tetra-Dioxins				0.9431	10.017			2.10		0.183	2.60
40 Total Penta-Dioxins				0.8974	10.017			1.82		0.297	2.63
41 Total Hexa-Dioxins				1.0068	10.017			27.0		0.272	28.4
42 Total Hepta-Dioxins				1.0672	10.017			262		1.09	262
43 Total Tetra-Furans				0.9700	10.017			57.2		0.297	80.4
44 1st Func. Penta-Furans				0.9580	10.017			11.2		0.0593	11.2
45 Total Penta-Furans				0.9580	10.017			54.8		0.223	61.4
46 Total Hexa-Furans				1.2131	10.017			76.0		0.297	76.4
47 Total Hepta-Furans				1.4881	10.017			109		0.448	109

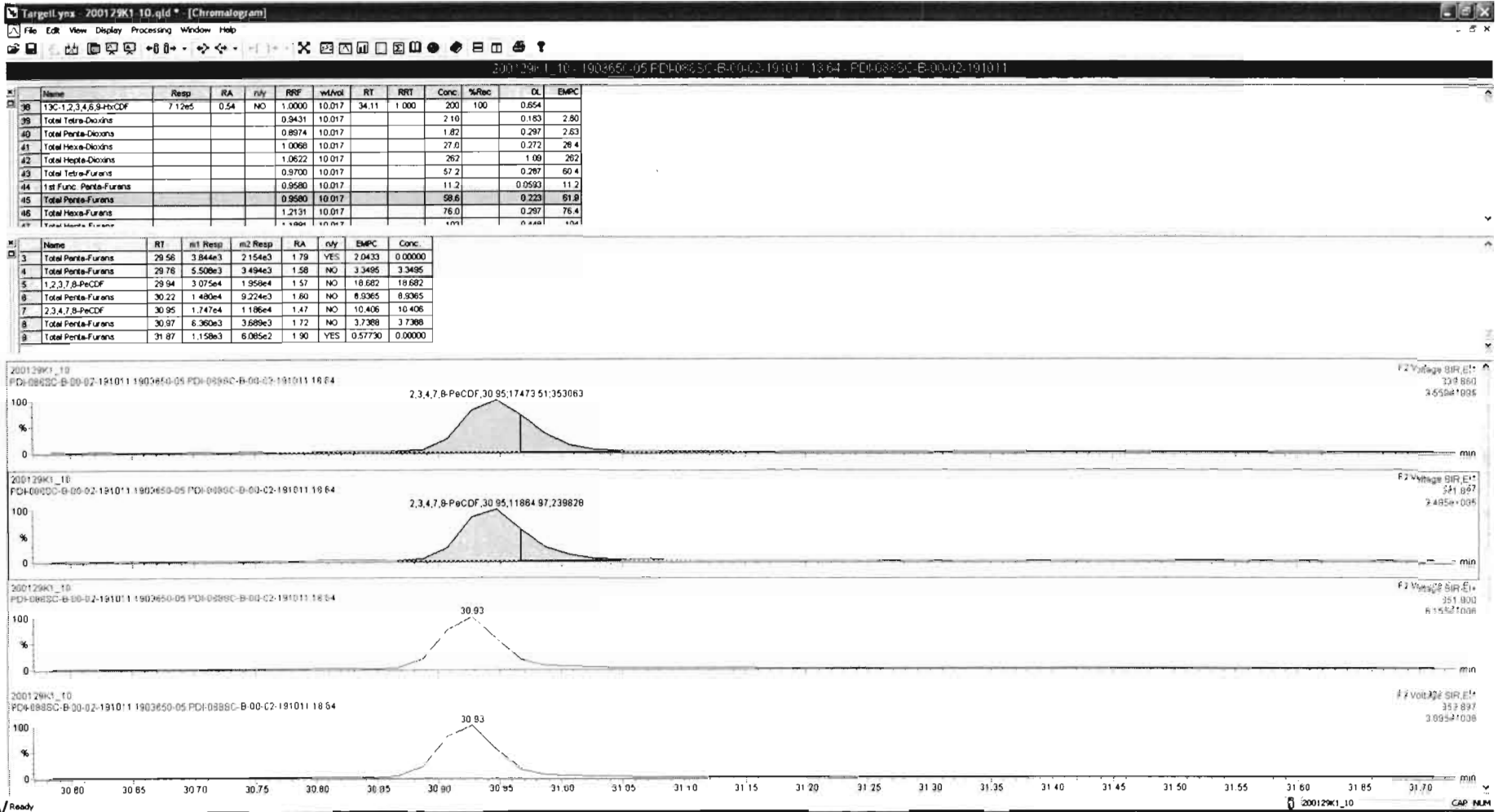
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	28.79	1.441e3	7.188e2	2.00	YES	0.88198	0.00000
2 Total Penta-Furans	28.93	2.242e4	1.374e4	1.63	NO	13.455	13.455
3 Total Penta-Furans	29.56	3.844e3	2.154e3	1.79	YES	2.0433	0.00000
4 Total Penta-Furans	29.76	5.508e3	3.494e3	1.58	NO	3.3495	3.3495
5 1,2,3,7,8-PeCDF	29.94	3.075e4	1.958e4	1.57	NO	18.682	18.682
6 Total Penta-Furans	30.22	1.490e4	9.224e3	1.60	NO	8.9365	8.9365
7 2,3,4,7,8-PeCDF	30.95	1.740e4	1.175e4	1.48	NO	10.341	10.341
8 Total Penta-Furans	30.97	8.507e3	3.478e3	1.87	YES	3.2994	0.00000



Name	Resp	RA	nly	RRF	wtAval	RT	RRT	Conc	%Rec	DL	EMPC
13C-1,2,3,4,6,9-HxCDF	7.12e5	0.54	NO	1.0000	10.017	34.11	1.000	200	100	0.654	
Total Tetra-Dioxins				0.9431	10.017			2.10		0.163	2.60
Total Penta-Dioxins				0.8974	10.017			1.82		0.297	2.63
Total Hexa-Dioxins				1.0068	10.017			27.0		0.272	28.4
Total Hepta-Dioxins				1.0672	10.017			26.2		1.09	26.2
Total Tetra-Furans				0.9700	10.017			57.2		0.267	60.4
1st Func. Penta-Furans				0.9580	10.017			11.2		0.0593	11.2
Total Penta-Furans				0.9580	10.017			58.6		0.223	61.9
Total Hexa-Furans				1.2131	10.017			76.0		0.297	76.4
Total Halogen-Furans				1.1904	10.017			1093		0.448	104

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
Total Penta-Furans	29.56	3.844e3	2.154e3	1.79	YES	2.0433	0.00000
Total Penta-Furans	29.76	5.508e3	3.494e3	1.58	NO	3.3495	3.3495
1,2,3,7,8-PeCDF	29.94	3.075e4	1.958e4	1.57	NO	18.682	18.682
Total Penta-Furans	30.22	1.480e4	9.224e3	1.60	NO	8.9365	8.9365
2,3,4,7,8-PeCDF	30.95	1.747e4	1.186e4	1.47	NO	10.406	10.406
Total Penta-Furans	30.97	6.360e3	3.689e3	1.72	NO	3.7388	3.7388
Total Penta-Furans	31.87	1.158e3	6.089e2	1.90	YES	0.57730	0.00000





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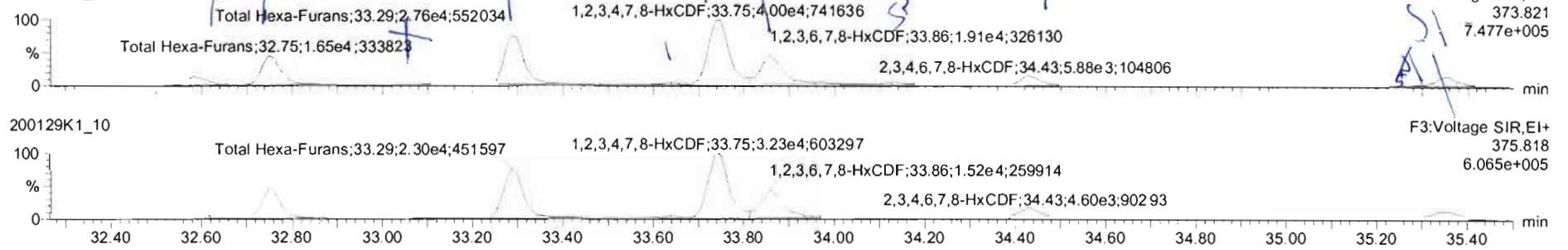
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Name: 200129K1_10, Date: 29-Jan-2020, Time: 22:28:07, ID: 1903650-05 PDI-088SC-B-00-02-191011 18.64, Description: PDI-088SC-B-00-02-191011

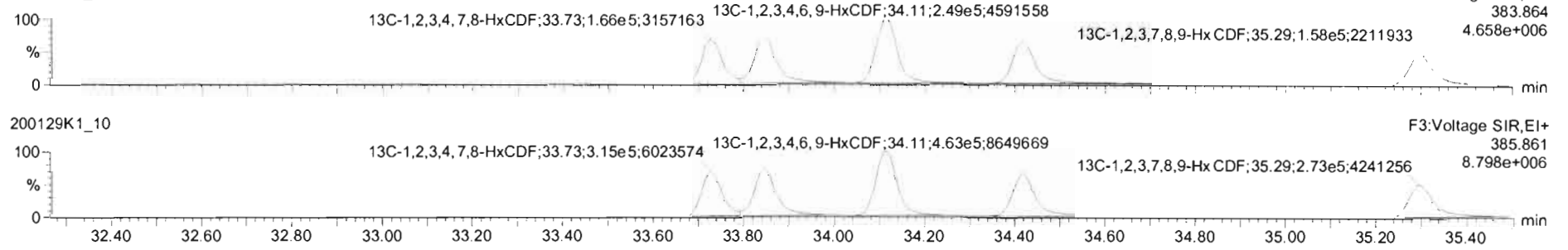
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200129K1_10



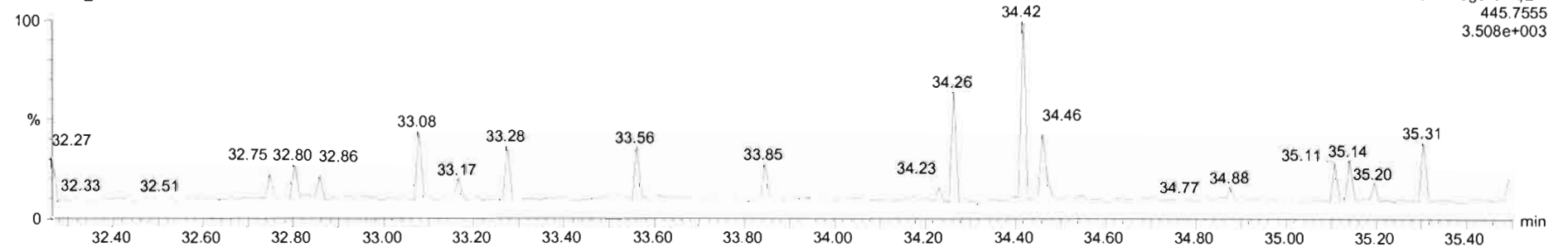
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200129K1_10



DPE3

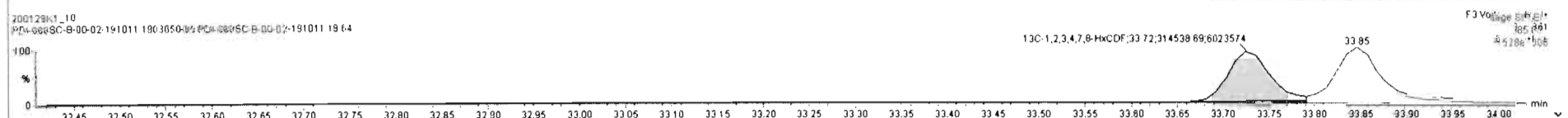
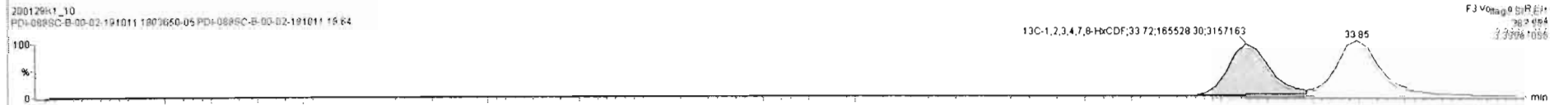
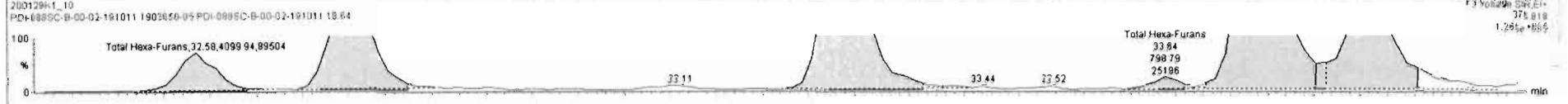
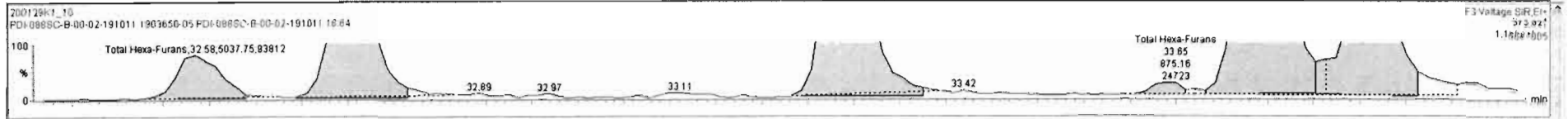
200129K1_10



200129K1_10 - 1903650-05 PDI-0885C-B-00-02-191011 18:64 - PDI-0885C-B-00-02-191011

Name	Resp	RA	nly	RRF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
44 1st Func. Penta-Furans				0.9580	10.017			11.2		0.0593	11.2
45 Total Penta-Furans				0.9580	10.017			58.6		0.223	61.9
46 Total Hexa-Furans				1.2131	10.017			73.3		0.297	73.3
47 Total Hepta-Furans				1.1891	10.017			103		0.448	104
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 Index											

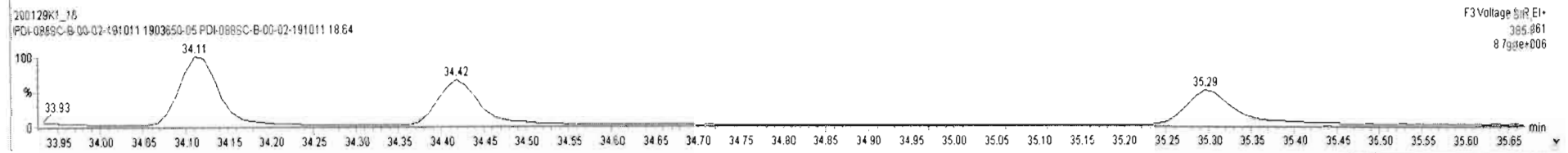
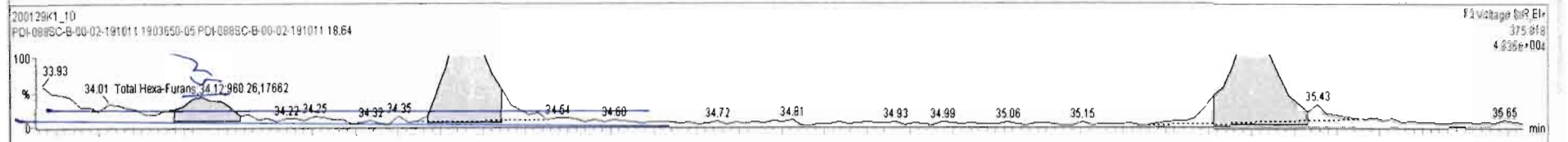
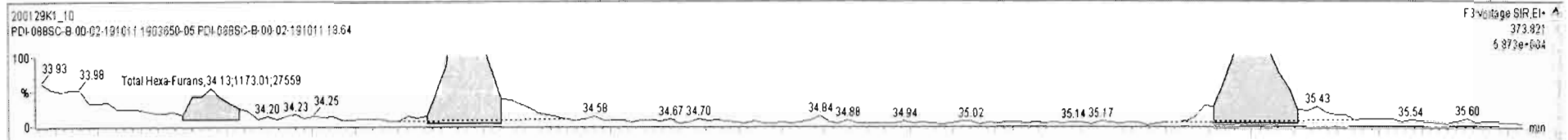
Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Furans	32.58	5.038e3	4.100e3	1.23	NO	3.0485	3.0485
2 Total Hexa-Furans	32.75	1.653e4	1.344e4	1.23	NO	10.001	10.001
3 Total Hexa-Furans	33.28	2.830e4	2.287e4	1.24	NO	17.071	17.071
4 Total Hexa-Furans	33.65	8.752e2	7.988e2	1.10	NO	0.55846	0.55846
5 1,2,3,4,7,8-HxCDF	33.75	3.890e4	3.148e4	1.24	NO	25.167	25.167
6 1,2,3,6,7,8-HxCDF	33.86	1.852e4	1.408e4	1.32	NO	10.345	10.345
7 Total Hexa-Furans	34.13	1.311e3	9.603e2	1.37	NO	0.75790	0.75790
8 2,3,4,6,7,8-HxCDF	34.43	5.377e3	4.273e3	1.26	NO	3.1043	3.1043



200129K1_10 - 1903650-05 PDI-088SC-B-00-02-191011 18.64 - PDI-088SC-B-00-02-191011

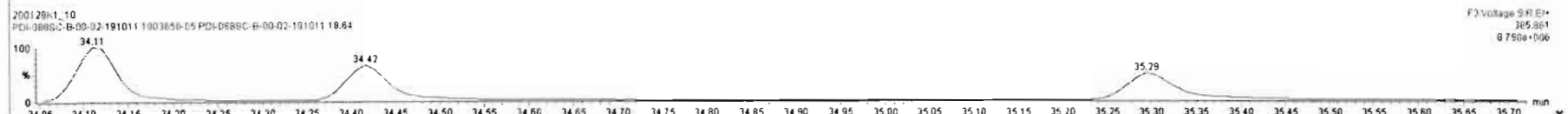
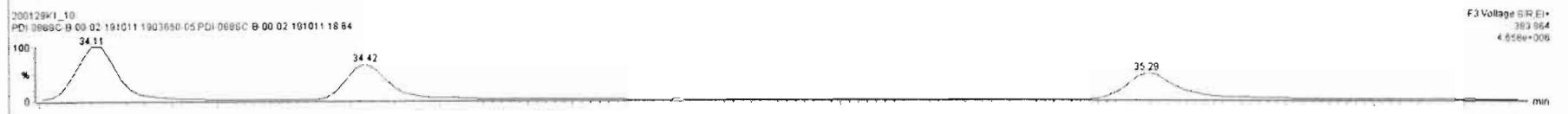
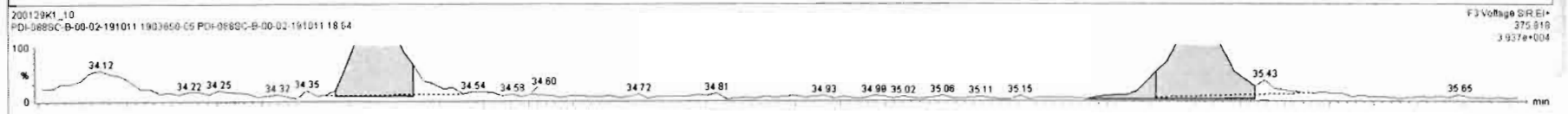
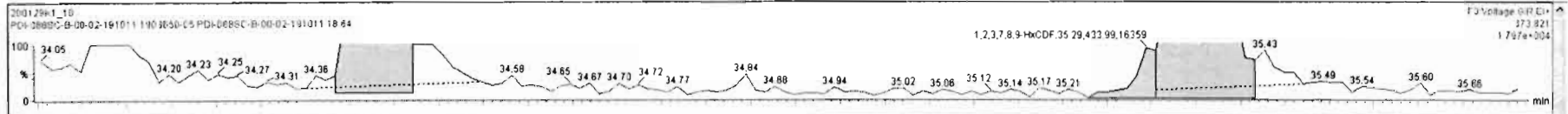
Name	Resp	RA	nly	RFF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
44 1st Func. Penta-Furans				0.9580	10.017			11.2	0.0593	11.2	
45 Total Penta-Furans				0.9580	10.017			58.6	0.223	61.9	
46 Total Hexa-Furans				1.2131	10.017			73.2	0.297	73.2	
47 Total Hepta-Furans				1.1891	10.017			103	0.448	104	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
63 Inoc-											

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
3 Total Hexa-Furans	33.29	2.830e4	2.267e4	1.24	NO	17.071	17.071
4 Total Hexa-Furans	33.65	8.752e2	7.988e2	1.10	NO	0.55846	0.55846
5 1,2,3,4,7,8-HxCDF	33.75	3.890e4	3.148e4	1.24	NO	25.167	25.167
6 1,2,3,6,7,8-HxCDF	33.86	1.852e4	1.408e4	1.32	NO	10.345	10.345
7 Total Hexa-Furans	34.13	1.173e3	9.603e2	1.22	NO	0.71170	0.71170
8 2,3,4,6,7,8-HxCDF	34.43	5.377e3	4.273e3	1.26	NO	3.1043	3.1043
9 Total Hexa-Furans	35.35	5.564e3	4.083e3	1.36	NO	3.2184	3.2184



#	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
44	1st Func. Penta-Furans				0.9580	10.017			11.2		0.0583	11.2
45	Total Penta-Furans				0.9580	10.017			58.6		0.223	61.9
46	Total Hexa-Furans				1.2131	10.017			68.6		0.297	73.0
47	Total Hepta-Furans				1.1891	10.017			103		0.448	104
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											

#	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	32.58	6.008e3	4.100e3	1.23	NO	3.0485	3.0485
2	Total Hexa-Furans	32.75	1.653e4	1.344e4	1.23	NO	10.001	10.001
3	Total Hexa-Furans	33.29	2.800e4	2.267e4	1.24	NO	17.071	17.071
4	Total Hexa-Furans	33.65	6.752e2	7.998e2	1.10	NO	0.55846	0.55846
5	1,2,3,4,7,8-HxCDF	33.75	3.890e4	3.148e4	1.24	NO	25.167	25.167
6	1,2,3,6,7,8-HxCDF	33.86	1.852e4	1.408e4	1.32	NO	10.345	10.345
7	2,3,4,6,7,8-HxCDF	34.43	5.377e3	4.273e3	1.26	NO	3.1043	3.1043
8	1,2,3,7,8,9-HxCDF	35.26	4.340e2	4.055e2	1.07	NO	0.34243	0.34243



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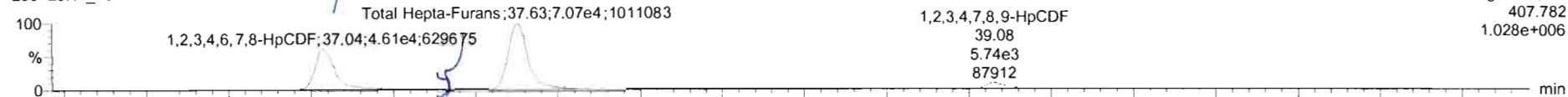
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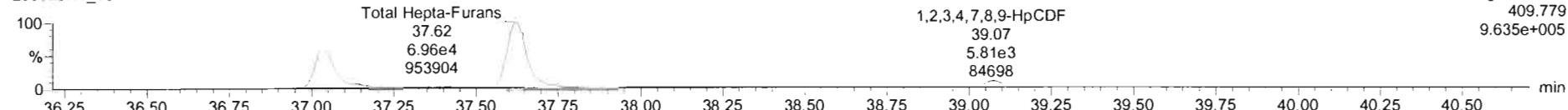
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1,2,3,4,6,7,8-HpCDF

200129K1_10

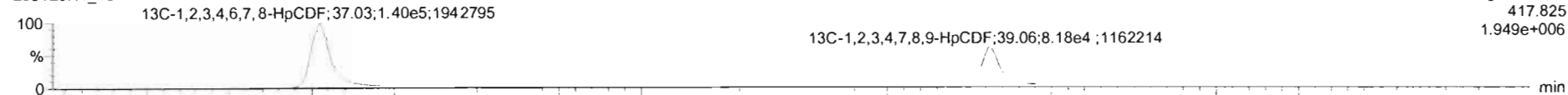


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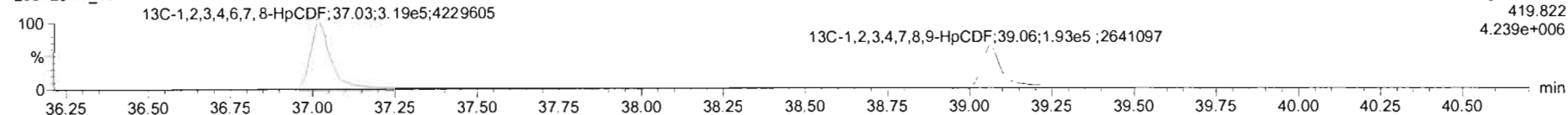


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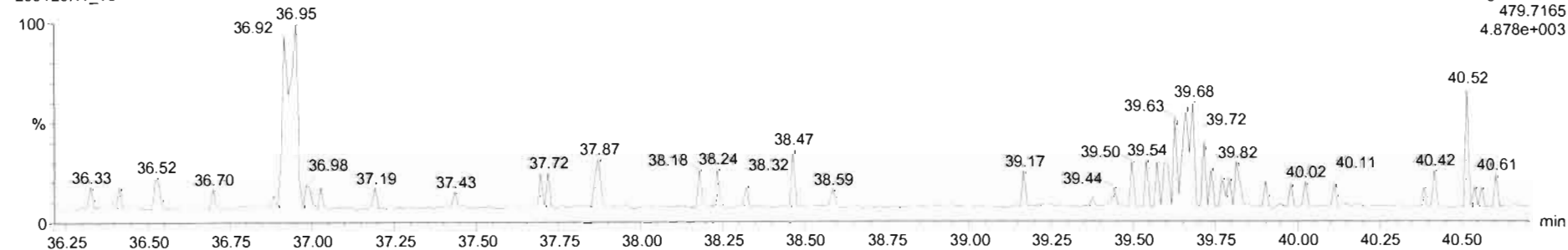


200129K1_10



DPE4

200129K1_10



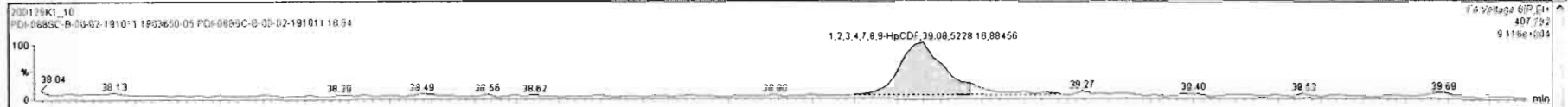
Name	Resp	RA	n/y	RPF	wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
44 1st Func. Penta-Furans				0.9500	10.017			11.2	0.0580	11.2	
45 Total Penta-Furans				0.9500	10.017			58.6	0.223	61.9	
46 Total Hexa-Furans				1.2131	10.017			69.6	0.297	73.0	
47 Total Hepta-Furans				1.1891	10.017			107	0.456	107	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 PFK6											

Name	RT	wt Resp	wt Resp	RA	n/y	EMPC	Conc
1 1,2,3,4,6,7,8-HpCDF	37.04	4.501e4	4.181e4	1.03	NO	34.217	34.217
2 Total Hepta-Furans	37.63	7.024e4	6.860e4	1.02	NO	67.516	67.516
3 1,2,3,4,7,8,9-HpCDF	39.06	5.226e3	5.412e3	0.97	NO	5.5734	5.5734



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
44 1st Func. Penta-Furans				0.9590	10.017			11.2	0.0593	11.2	
45 Total Penta-Furans				0.9590	10.017			58.6	0.223	61.9	
46 Total Hexa-Furans				1.2131	10.017			69.6	0.297	73.0	
47 Total Hepta-Furans				1.1891	10.017			107	0.456	102	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 non-											

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.04	4.301e4	4.111e4	1.03	NO	34.217	34.217
2 Total Hepta-Furans	37.63	7.024e4	6.860e4	1.02	NO	67.516	67.516
3 1,2,3,4,7,8,9-HpCDF	39.06	5.226e3	5.412e3	0.97	NO	5.5734	5.5734

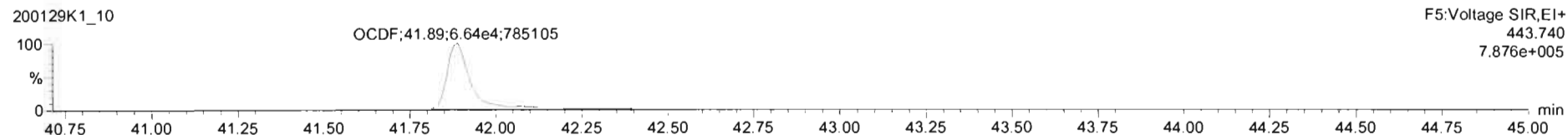
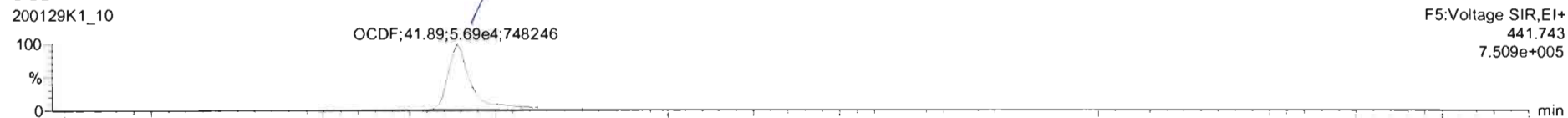


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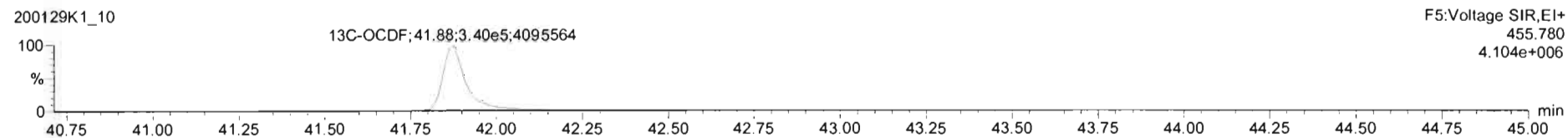
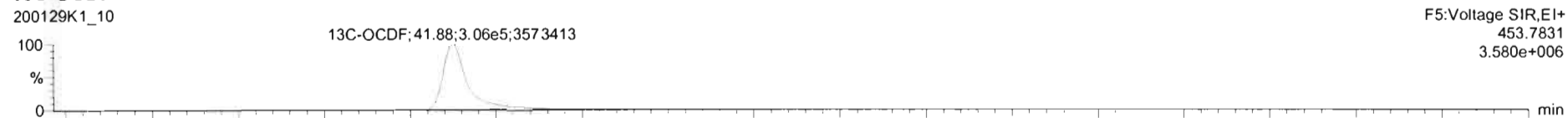
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Name: 200129K1_10, Date: 29-Jan-2020, Time: 22:28:07, ID: 1903650-05 PDI-088SC-B-00-02-191011 18.64, Description: PDI-088SC-B-00-02-191011

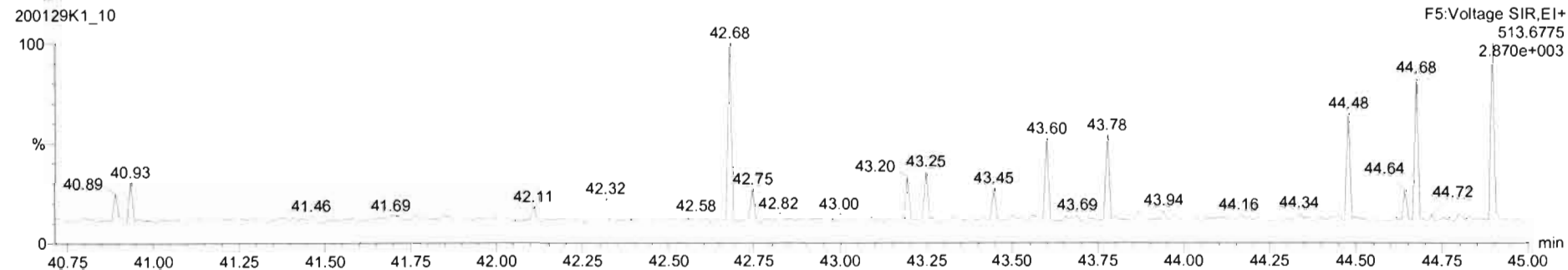
OCDF



13C-OCDF

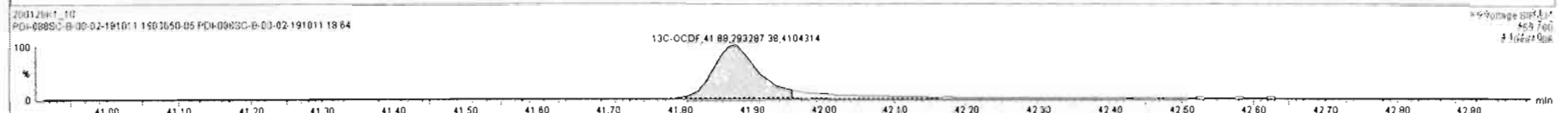
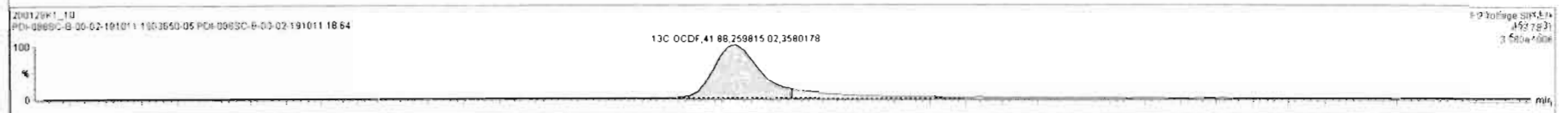
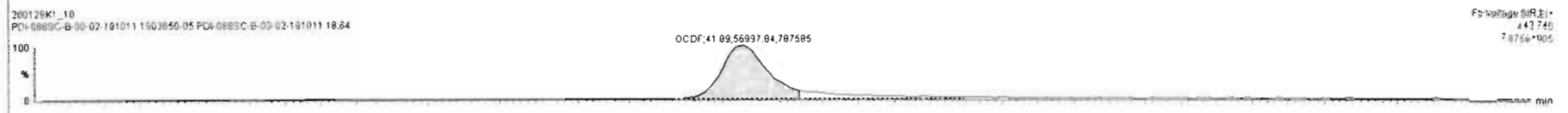
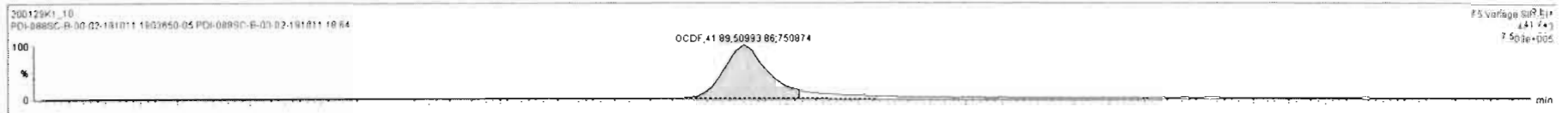


DPE5



Name	Resp	RA	n/y	RRT	wtAvol	RT	RRT	Conc	%Rec	DL	EMPC
13 2,3,4,6,7,8-HxCDF	1.05e4	1.28	NO	1.2131	10.017	34.43	1.000	3.37		0.278	3.37
14 1,2,3,7,8,9-HxCDF	1.06e4	1.36	NO	1.1348	10.017	35.35	1.002	4.32		0.433	4.32
15 1,2,3,4,6,7,8-HpCDF	9.02e4	1.04	NO	1.1991	10.017	37.04	1.000	33.0		0.363	33.0
16 1,2,3,4,7,8,9-HpCDF	1.15e4	0.99	NO	1.3996	10.017	39.08	1.001	6.05		0.506	6.05
17 OCDF	1.08e5	0.89	NO	1.0614	10.017	41.89	1.000	73.5		0.540	73.5
18 1,3C-2,3,7,8-TCDF	4.96e5	0.77	NO	1.1733	10.017	26.06	1.028	138	69.3	0.295	
19 1,3C-1,2,3,7,8-PeCDD	3.67e5	0.63	NO	0.7731	10.017	31.23	1.232	156	77.9	0.666	
20 1,3C-1,2,3,4,7,8-HxCDD	2.87e5	1.25	NO	0.5999	10.017	34.59	1.014	132	66.0	0.862	
21 1,3C-1,2,3,6,7,8-HxCDD	3.67e5	1.29	NO	0.7831	10.017	34.63	1.017	135	67.5	0.678	
22 1,3C-1,2,3,7,8-HxCDD	3.74e5	1.25	NO	0.6259	10.017	34.95	1.025	155	77.7	0.755	
23 1,3C-1,2,3,4,6,7,8-HpCDD	3.70e4	1.10	NO	0.6260	10.017	36.44	1.197	184	63.8	0.774	

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

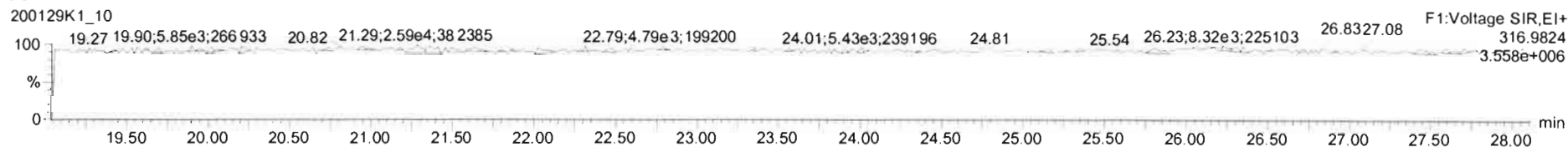


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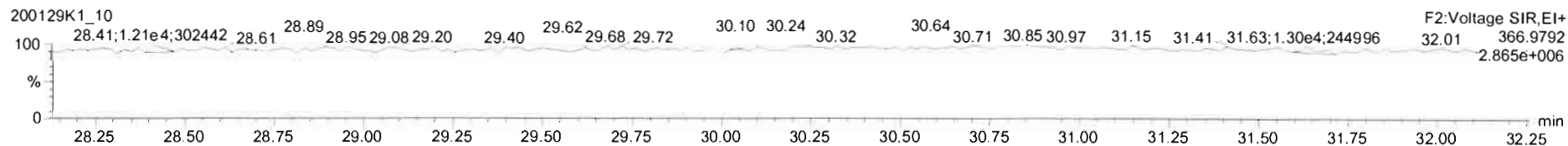
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Name: 200129K1_10, Date: 29-Jan-2020, Time: 22:28:07, ID: 1903650-05 PDI-088SC-B-00-02-191011 18.64, Description: PDI-088SC-B-00-02-191011

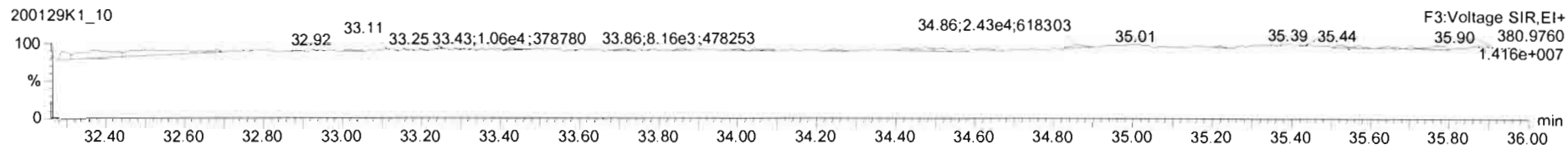
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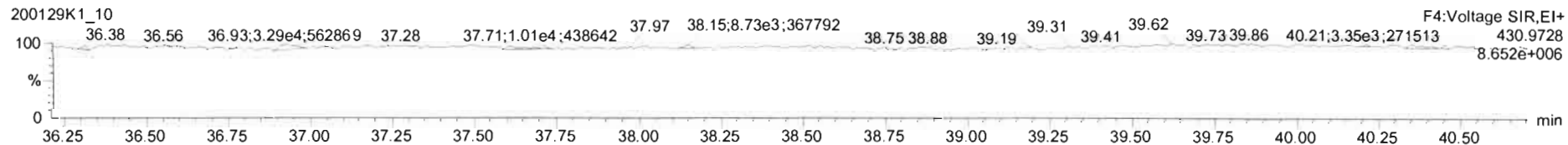
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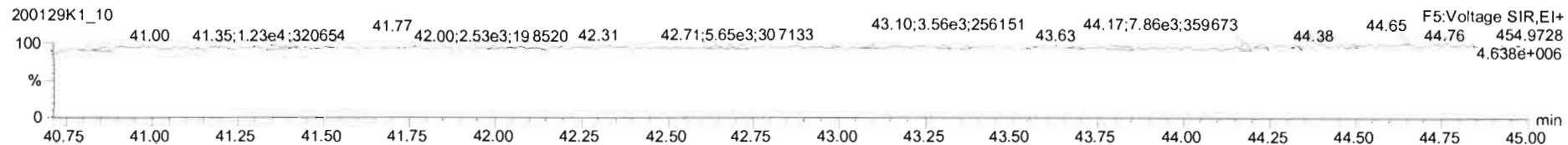
PFK3



PFK4



PFK5



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Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	4.11e3	0.74	NO	0.943	10.005	26.092	26.09	1.001	1.001	1.6452		0.195	1.65
2	1,2,3,7,8-PeCDD	2.59e3	0.67	NO	0.897	10.005	31.271	31.25	1.001	1.000	1.4495		0.170	1.45
3	1,2,3,4,7,8-HxCDD	3.15e3	1.15	NO	1.17	10.005	34.602	34.59	1.000	1.000	1.9196		0.341	1.92
4	1,2,3,6,7,8-HxCDD	1.99e4	1.30	NO	1.01	10.005	34.691	34.70	1.000	1.000	9.6752		0.338	9.68
5	1,2,3,7,8,9-HxCDD	8.37e3	1.14	NO	0.982	10.005	35.000	34.98	1.001	1.000	4.7748		0.420	4.77
6	1,2,3,4,6,7,8-HpCDD	4.32e5	1.05	NO	1.06	10.005	38.455	38.47	1.000	1.001	315.72		2.04	316
7	OCDD	5.47e6	0.90	NO	1.04	10.005	41.692	41.70	1.000	1.000	4760.3		2.79	4760
8	2,3,7,8-TCDF	8.54e4	0.78	NO	0.970	10.005	25.107	25.10	1.001	1.001	23.476	(21.2)	0.281	23.5
9	1,2,3,7,8-PeCDF	6.19e4	1.67	NO	0.958	10.005	29.962	29.94	1.001	1.000	19.377		0.208	19.4
10	2,3,4,7,8-PeCDF	3.73e4	1.53	NO	1.01	10.005	30.946	30.95	1.001	1.001	12.588		0.189	12.6
11	1,2,3,4,7,8-HxCDF	1.10e5	1.28	NO	1.16	10.005	33.736	33.75	1.000	1.000	37.094		0.324	37.1
12	1,2,3,6,7,8-HxCDF	4.85e4	1.24	NO	1.14	10.005	33.856	33.87	1.000	1.001	14.134		0.307	14.1
13	1,2,3,4,6,7,8-HxCDF	1.89e4	1.29	NO	1.21	10.005	34.451	34.43	1.001	1.000	6.3316		0.365	6.33
14	1,2,3,7,8,9-HxCDF	1.05e3	0.96	YES	1.13	10.005	35.305	35.32	1.000	1.000	0.44252		0.496	0.391
15	1,2,3,4,6,7,8-HpCDF	1.98e5	1.05	NO	1.19	10.005	37.065	37.04	1.001	1.000	98.205		0.617	98.2
16	1,2,3,4,7,8,9-HpCDF	1.97e4	1.04	NO	1.39	10.005	39.069	39.08	1.000	1.000	10.744		0.772	10.7
17	OCDF	3.53e5	0.88	NO	1.06	10.005	41.878	41.89	1.000	1.000	240.33		0.819	240
18	13C-2,3,7,8-TCDD	5.30e5	0.81	NO	1.17	10.005	26.052	26.06	1.027	1.028	139.85	70.0	0.330	
19	13C-1,2,3,7,8-PeCDD	3.99e5	0.69	NO	0.773	10.005	31.227	31.25	1.232	1.232	159.77	79.9	0.511	
20	13C-1,2,3,4,7,8-HxCDD	2.81e5	1.25	NO	0.600	10.005	34.591	34.59	1.014	1.014	130.50	65.3	0.707	
21	13C-1,2,3,6,7,8-HxCDD	4.08e5	1.30	NO	0.763	10.005	34.690	34.69	1.017	1.017	148.73	74.4	0.555	
22	13C-1,2,3,7,8,9-HxCDD	3.57e5	1.36	NO	0.676	10.005	34.963	34.97	1.025	1.025	146.96	73.5	0.627	
23	13C-1,2,3,4,6,7,8-HpCDD	2.57e5	1.07	NO	0.455	10.005	38.457	38.44	1.127	1.127	157.48	78.8	1.01	
24	13C-OCDD	4.40e5	0.93	NO	0.371	10.005	41.684	41.69	1.222	1.222	329.87	82.5	1.30	
25	13C-2,3,7,8-TCDF	7.49e5	0.78	NO	1.07	10.005	25.068	25.08	0.989	0.989	124.44	62.3	0.358	
26	13C-1,2,3,7,8-PeCDF	6.67e5	1.72	NO	0.765	10.005	29.916	29.94	1.180	1.181	154.76	77.4	0.901	
27	13C-2,3,4,7,8-PeCDF	5.89e5	1.57	NO	0.726	10.005	30.925	30.93	1.220	1.220	143.93	72.0	0.950	
28	13C-1,2,3,4,7,8-HxCDF	5.08e5	0.52	NO	0.965	10.005	33.731	33.74	0.989	0.989	146.67	73.4	0.771	
29	13C-1,2,3,6,7,8-HxCDF	6.00e5	0.52	NO	1.09	10.005	33.847	33.85	0.992	0.992	152.64	76.4	0.680	
30	13C-2,3,4,6,7,8-HxCDF	4.92e5	0.53	NO	0.984	10.005	34.420	34.42	1.009	1.009	139.18	69.6	0.756	
31	13C-1,2,3,7,8,9-HxCDF	4.17e5	0.51	NO	0.790	10.005	35.321	35.31	1.035	1.035	146.84	73.5	0.941	

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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	3.38e5	0.46	NO	0.734	10.005	37.034	37.03	1.085	1.085	128.32	64.2	0.764	
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.64e5	0.46	NO	0.459	10.005	39.057	39.07	1.145	1.145	160.28	80.2	1.22	
34	34 13C-OCDF	5.53e5	0.90	NO	0.500	10.005	41.920	41.88	1.229	1.227	307.61	76.9	1.09	
35	35 37Cl-2,3,7,8-TCDD	2.01e5			1.12	10.005	26.072	26.09	1.028	1.029	55.337	69.2	0.130	
36	36 13C-1,2,3,4-TCDD	6.45e5	0.81	NO	1.00	10.005	25.360	25.36	1.000	1.000	199.90	100	0.387	
37	37 13C-1,2,3,4-TCDF	1.13e6	0.80	NO	1.00	10.005	23.430	23.45	1.000	1.000	199.90	100	0.383	
38	38 13C-1,2,3,4,6,9-HxCDF	7.18e5	0.52	NO	1.00	10.005	34.100	34.12	1.000	1.000	199.90	100	0.744	
39	39 Total Tetra-Dioxins				0.943	10.005	24.620		0.000		11.379		0.195	12.5
40	40 Total Penta-Dioxins				0.897	10.005	29.960		0.000		18.872		0.170	19.3
41	41 Total Hexa-Dioxins				1.01	10.005	33.635		0.000		110.05		0.378	111
42	42 Total Hepta-Dioxins				1.06	10.005	38.800		0.000		746.77		2.04	747
43	43 Total Tetra-Furans				0.970	10.005	23.610		0.000		83.886		0.281	89.6
44	44 1st Func. Penta-Furans				0.958	10.005	27.040		0.000		39.010		0.0579	39.0
45	45 Total Penta-Furans				0.958	10.005	29.275		0.000		82.725		0.204	83.6
46	46 Total Hexa-Furans				1.21	10.005	33.555		0.000		158.97		0.350	160
47	47 Total Hepta-Furans				1.19	10.005	37.835		0.000		319.95		0.742	320

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Method: Untitled 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

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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	21.73	8.246e4	1.116e5	7.155e3	1.020e4	0.70	NO	1.736e4	6.9466	6.9466	0.195
2	Total Tetra-Dioxins	22.13	1.916e4	2.099e4	1.395e3	1.616e3	0.86	NO	3.011e3	1.2053	1.2053	0.195
3	Total Tetra-Dioxins	22.67	8.299e3	1.085e4	7.149e2	7.826e2	0.91	YES	0.000e0	0.00000	0.55440	0.195
4	Total Tetra-Dioxins	23.65	6.433e3	1.005e4	5.008e2	6.778e2	0.74	NO	1.179e3	0.47175	0.47175	0.195
5	Total Tetra-Dioxins	23.97	4.792e3	6.114e3	4.820e2	6.306e2	0.76	NO	1.113e3	0.44531	0.44531	0.195
6	Total Tetra-Dioxins	24.18	1.003e4	1.099e4	7.700e2	8.903e2	0.86	NO	1.660e3	0.66452	0.66452	0.195
7	Total Tetra-Dioxins	25.82	1.068e4	1.049e4	8.449e2	7.958e2	1.06	YES	0.000e0	0.00000	0.56375	0.195
8	2,3,7,8-TCDD	26.09	2.396e4	3.003e4	1.745e3	2.366e3	0.74	NO	4.111e3	1.6452	1.6452	0.195

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.01	5.863e4	9.121e4	4.538e3	7.409e3	0.61	NO	1.195e4	6.6758	6.6758	0.170
2	Total Penta-Dioxins	29.50	1.479e4	2.511e4	8.581e2	1.442e3	0.60	NO	2.300e3	1.2850	1.2850	0.170
3	Total Penta-Dioxins	30.00	4.539e4	7.831e4	2.649e3	4.163e3	0.64	NO	6.813e3	3.8068	3.8068	0.170
4	Total Penta-Dioxins	30.16	1.969e4	3.227e4	1.185e3	1.813e3	0.65	NO	2.998e3	1.6754	1.6754	0.170
5	Total Penta-Dioxins	30.26	1.265e4	1.991e4	7.512e2	1.200e3	0.63	NO	1.952e3	1.0905	1.0905	0.170
6	Total Penta-Dioxins	30.46	1.774e4	3.116e4	1.537e3	2.398e3	0.64	NO	3.935e3	2.1991	2.1991	0.170
7	1,2,3,7,8-PeCDD	31.25	1.768e4	2.777e4	1.038e3	1.556e3	0.67	NO	2.594e3	1.4495	1.4495	0.170
8	Total Penta-Dioxins	31.33	7.094e3	8.179e3	3.400e2	4.514e2	0.75	YES	0.000e0	0.00000	0.41115	0.170
9	Total Penta-Dioxins	31.65	9.344e3	1.363e4	4.512e2	7.830e2	0.58	NO	1.234e3	0.68970	0.68970	0.170

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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	33.14	8.616e5	6.641e5	4.388e4	3.465e4	1.27	NO	7.854e4	44.732	44.732	0.378
2	Total Hexa-Dioxins	33.68	1.052e5	9.393e4	5.419e3	4.496e3	1.21	NO	9.915e3	5.6474	5.6474	0.378
3	Total Hexa-Dioxins	33.94	6.943e5	5.312e5	4.276e4	3.327e4	1.29	NO	7.603e4	43.306	43.306	0.378
4	1,2,3,4,7,8-HxCDD	34.59	3.018e4	2.789e4	1.684e3	1.470e3	1.15	NO	3.154e3	1.9196	1.9196	0.341
5	1,2,3,6,7,8-HxCDD	34.70	2.033e5	1.537e5	1.121e4	8.654e3	1.30	NO	1.987e4	9.6752	9.6752	0.338
6	Total Hexa-Dioxins	34.89	2.849e4	2.202e4	1.288e3	1.306e3	0.99	YES	0.000e0	0.00000	1.3257	0.378
7	1,2,3,7,8,9-HxCDD	34.98	7.340e4	6.815e4	4.465e3	3.904e3	1.14	NO	8.370e3	4.7748	4.7748	0.420

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.42	4.664e6	4.419e6	3.006e5	2.889e5	1.04	NO	5.895e5	431.05	431.05	2.04
2	1,2,3,4,6,7,8-HpCDD	38.47	2.903e6	2.760e6	2.216e5	2.102e5	1.05	NO	4.318e5	315.72	315.72	2.04

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Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	19.70	1.319e4	1.480e4	1.105e3	1.345e3	0.82	NO	2.449e3	0.67359	0.67359	0.281
2	Total Tetra-Furans	20.20	3.179e4	4.361e4	2.621e3	3.521e3	0.74	NO	6.142e3	1.6892	1.6892	0.281
3	Total Tetra-Furans	20.77	1.405e5	1.940e5	1.302e4	1.639e4	0.79	NO	2.941e4	8.0891	8.0891	0.281
4	Total Tetra-Furans	21.31	2.232e4	2.648e4	3.500e3	4.108e3	0.85	NO	0.000e0	0.00000	2.0922	0.281
5	Total Tetra-Furans	21.69	1.444e5	1.775e5	1.363e4	1.754e4	0.78	NO	3.116e4	8.5695	8.5695	0.281
6	Total Tetra-Furans	22.18	8.290e4	1.203e5	8.505e3	1.115e4	0.76	NO	1.965e4	5.4040	5.4040	0.281
7	Total Tetra-Furans	22.30	8.923e3	1.083e4	5.930e2	1.001e3	0.59	YES	0.000e0	0.00000	0.37488	0.281
8	Total Tetra-Furans	22.51	2.768e4	3.034e4	2.220e3	2.605e3	0.85	NO	4.825e3	1.3270	1.3270	0.281
9	Total Tetra-Furans	23.13	8.844e3	1.125e4	8.211e2	8.730e2	0.94	YES	0.000e0	0.00000	0.42494	0.281
10	Total Tetra-Furans	23.32	5.900e4	7.645e4	5.889e3	6.941e3	0.85	NO	1.283e4	3.5283	3.5283	0.281
11	Total Tetra-Furans	23.45	4.678e4	6.172e4	4.943e3	6.830e3	0.72	NO	1.177e4	3.2376	3.2376	0.281
12	Total Tetra-Furans	24.04	3.966e5	5.196e5	3.673e4	4.755e4	0.77	NO	8.428e4	23.177	23.177	0.281
13	Total Tetra-Furans	24.38	1.857e4	2.425e4	1.424e3	1.941e3	0.73	NO	3.365e3	0.92535	0.92535	0.281
14	Total Tetra-Furans	24.98	5.161e4	5.711e4	3.190e3	3.759e3	0.85	NO	6.949e3	1.9109	1.9109	0.281
15	2,3,7,8-TCDF	25.10	4.332e5	5.637e5	3.744e4	4.793e4	0.78	NO	8.537e4	23.476	23.476	0.281
16	Total Tetra-Furans	25.53	3.579e4	4.182e4	2.612e3	3.287e3	0.79	NO	5.899e3	1.6223	1.6223	0.281
17	Total Tetra-Furans	25.77	5.338e3	6.456e3	4.287e2	5.048e2	0.85	NO	9.335e2	0.25671	0.25671	0.281
18	Total Tetra-Furans	27.28	7.698e4	7.631e4	5.729e3	5.782e3	0.99	YES	0.000e0	0.00000	2.8144	0.281

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	27.28	1.090e6	6.889e5	7.239e4	4.496e4	1.61	NO	1.173e5	39.010	39.010	0.0579

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Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.79	4.749e4	2.820e4	3.056e3	1.898e3	1.61	NO	4.954e3	1.6468	1.6468	0.204
2	Total Penta-Furans	28.93	5.031e5	3.225e5	4.410e4	2.808e4	1.57	NO	7.218e4	23.994	23.994	0.204
3	Total Penta-Furans	29.54	1.788e5	1.124e5	1.198e4	7.421e3	1.61	NO	1.940e4	6.4507	6.4507	0.204
4	Total Penta-Furans	29.76	1.111e5	6.640e4	6.160e3	3.894e3	1.58	NO	1.005e4	3.3421	3.3421	0.204
5	1,2,3,7,8-PeCDF	29.94	6.375e5	3.859e5	3.873e4	2.318e4	1.67	NO	6.192e4	19.377	19.377	0.208
6	Total Penta-Furans	30.22	3.149e5	1.931e5	1.804e4	1.095e4	1.65	NO	2.899e4	9.6372	9.6372	0.204
7	2,3,4,7,8-PeCDF	30.95	4.725e5	3.087e5	2.257e4	1.477e4	1.53	NO	3.734e4	12.588	12.588	0.189
8	Total Penta-Furans	30.97	3.861e5	2.254e5	1.068e4	6.439e3	1.66	NO	1.711e4	5.6895	5.6895	0.204
9	Total Penta-Furans	31.87	3.596e4	1.707e4	1.918e3	1.022e3	1.88	YES	0.000e0	0.00000	0.86669	0.204

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.60	3.453e5	2.568e5	1.622e4	1.323e4	1.23	NO	2.945e4	9.6246	9.6246	0.350
2	Total Hexa-Furans	32.76	1.056e6	8.245e5	5.243e4	4.209e4	1.25	NO	9.453e4	30.894	30.894	0.350
3	Total Hexa-Furans	33.11	2.646e4	2.648e4	1.266e3	1.238e3	1.02	YES	0.000e0	0.00000	0.74734	0.350
4	Total Hexa-Furans	33.30	1.938e6	1.537e6	9.375e4	7.521e4	1.25	NO	1.690e5	55.221	55.221	0.350
5	Total Hexa-Furans	33.65	3.908e4	3.407e4	1.767e3	1.557e3	1.13	NO	3.323e3	1.0861	1.0861	0.350
6	1,2,3,4,7,8-HxCDF	33.75	1.133e6	9.000e5	6.150e4	4.822e4	1.28	NO	1.097e5	37.094	37.094	0.324
7	1,2,3,6,7,8-HxCDF	33.87	4.643e5	3.776e5	2.684e4	2.163e4	1.24	NO	4.847e4	14.134	14.134	0.307
8	Total Hexa-Furans	34.13	4.227e4	4.040e4	2.314e3	1.983e3	1.17	NO	4.298e3	1.4046	1.4046	0.350
9	2,3,4,6,7,8-HxCDF	34.43	1.998e5	1.530e5	1.065e4	8.247e3	1.29	NO	1.890e4	6.3316	6.3316	0.365
10	1,2,3,7,8,9-HxCDF	35.32	2.261e4	2.562e4	5.125e2	5.348e2	0.96	YES	1.047e3	0.00000	0.39119	0.498
11	Total Hexa-Furans	35.36	9.384e4	7.819e4	5.262e3	4.474e3	1.18	NO	9.736e3	3.1820	3.1820	0.350

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	37.04	1.623e6	1.555e6	1.010e5	9.655e4	1.05	NO	1.975e5	98.205	98.205	0.617
2	Total Hepta-Furans	37.63	2.989e6	2.847e6	1.925e5	1.855e5	1.04	NO	3.780e5	211.00	211.00	0.742
3	1,2,3,4,7,8,9-HpCDF	39.08	1.559e5	1.524e5	1.008e4	9.651e3	1.04	NO	1.973e4	10.744	10.744	0.772

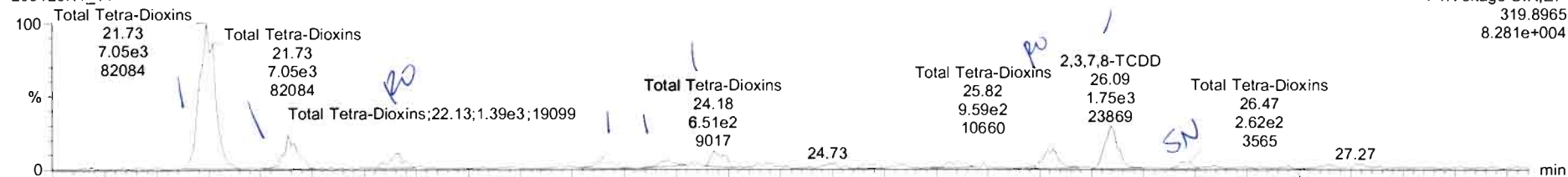
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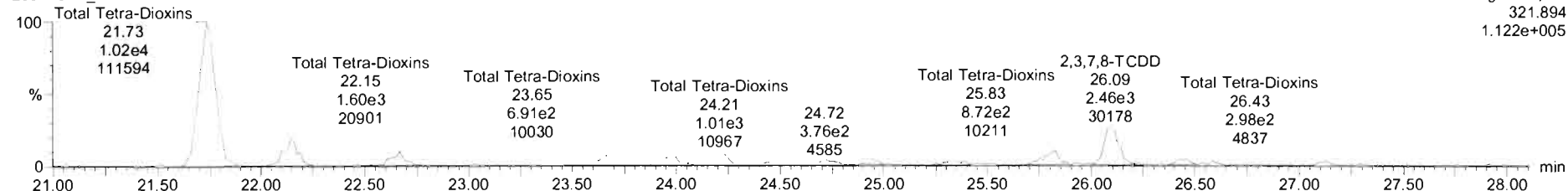
Name: 200129K1_11, Date: 29-Jan-2020, Time: 23:16:07, ID: 1903650-06 PDI-088SC-B-02-04-191011 16.96, Description: PDI-088SC-B-02-04-191011

2,3,7,8-TCDD

200129K1_11

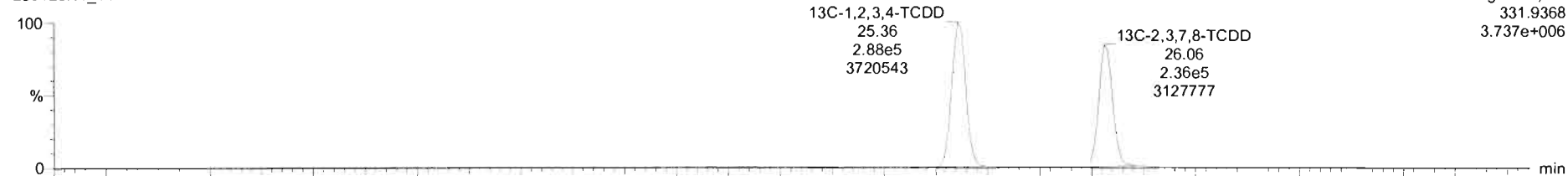


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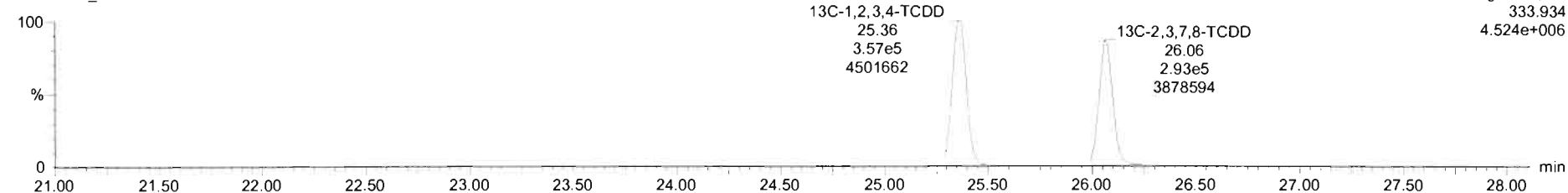


13C-2,3,7,8-TCDD

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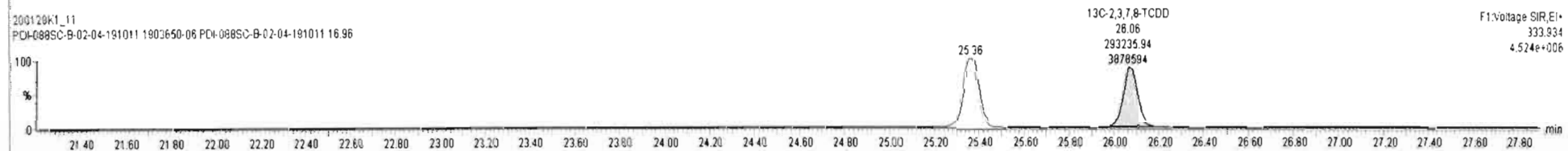
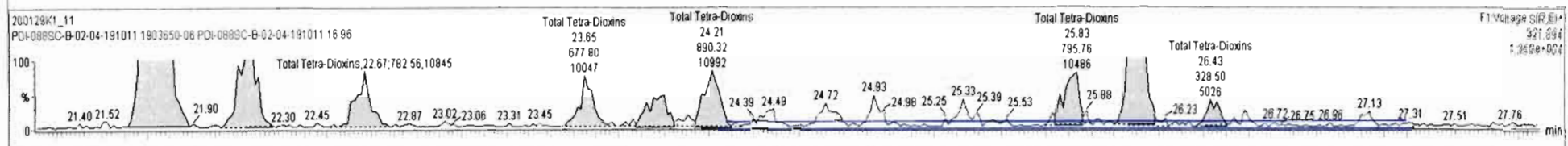
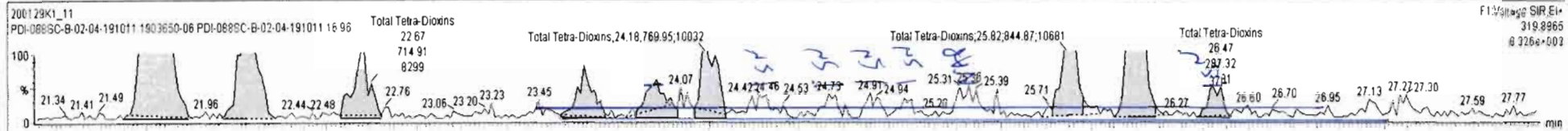
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200129K1_11 - 1903650-06 PDI-088SC-B-02-04-191011 16.96 - PDI-088SC-B-02-04-191011

Name	Resp	RA	n/y	RF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
35 37Cl-2,3,7,8-TCDD	2.01e5	0.81	NO	1.1244	10.005	26.09	1.029	55.3	69.2	0.130	
36 13C-1,2,3,4-TCDD	6.45e5	0.81	NO	1.0000	10.005	25.36	1.000	200	100	0.387	
37 13C-1,2,3,4-TCDF	1.13e6	0.80	NO	1.0000	10.005	23.45	1.000	200	100	0.383	
38 13C-1,2,3,4,6,8-HxCDF	7.18e5	0.52	NO	1.0000	10.005	34.12	1.000	200	100	0.744	
39 Total Tetra-Dioxins				0.9431	10.005			11.6		0.195	12.7
40 Total Penta-Dioxins				0.8974	10.005			15.8		0.170	19.0
41 Total Hexa-Dioxins				1.0068	10.005			114		0.378	117
42 Total Hepta-Dioxins				1.0622	10.005			736		2.07	736
43 Total Tetra-Furans				0.9700	10.005			81.3		0.281	87.8
44 Total Furans				0.9500	10.005			70.0		0.670	70.0

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Dioxins	21.73	7.155e3	1.020e4	0.70	NO	6.9466	6.9466
2 Total Tetra-Dioxins	22.13	1.395e3	1.616e3	0.86	NO	1.2053	1.2053
3 Total Tetra-Dioxins	22.67	7.149e2	7.826e2	0.91	YES	0.55440	0.00000
4 Total Tetra-Dioxins	23.65	5.008e2	6.778e2	0.74	NO	0.47175	0.47175
5 Total Tetra-Dioxins	23.97	4.820e2	6.306e2	0.76	NO	0.44531	0.44531
6 Total Tetra-Dioxins	24.18	7.700e2	8.903e2	0.86	NO	0.66452	0.66452
7 Total Tetra-Dioxins	25.82	8.449e2	7.958e2	1.05	YES	0.56375	0.00000
8 2,3,7,8-TCDD	26.09	1.745e3	2.366e3	0.74	NO	1.6452	1.6452



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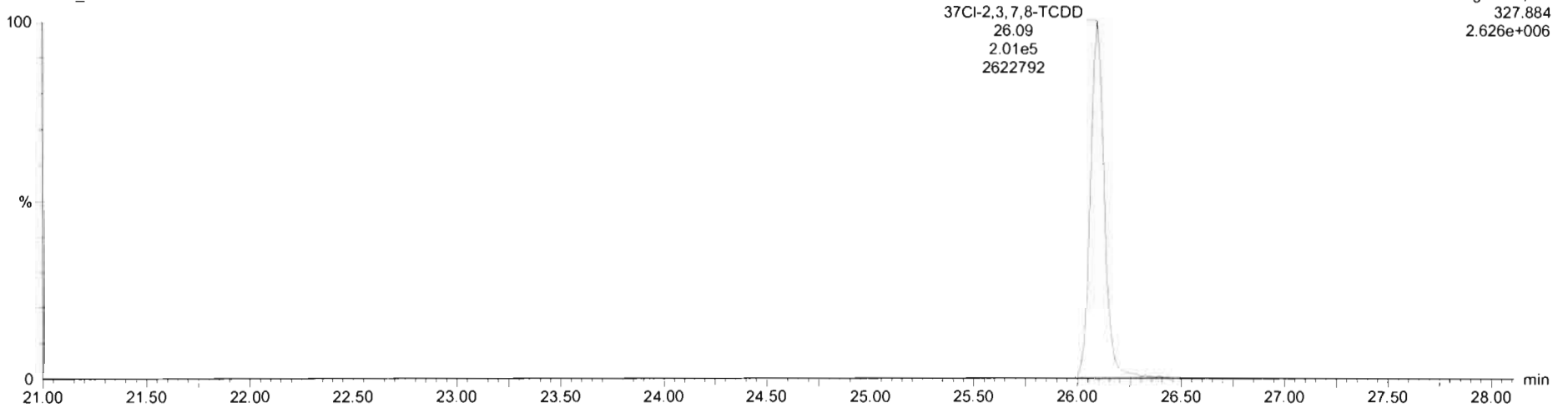
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Name: 200129K1_11, Date: 29-Jan-2020, Time: 23:16:07, ID: 1903650-06 PDI-088SC-B-02-04-191011 16.96, Description: PDI-088SC-B-02-04-191011

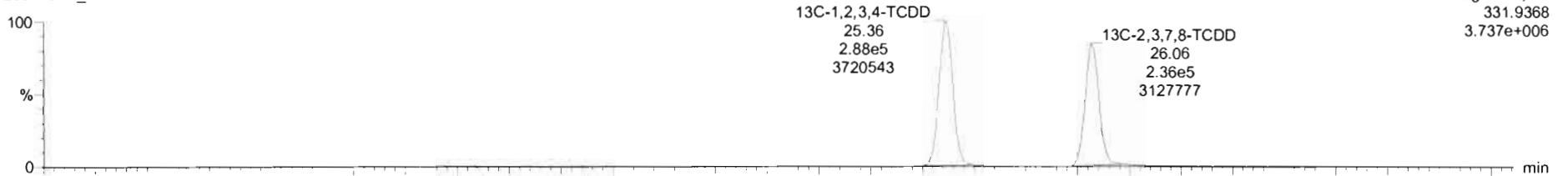
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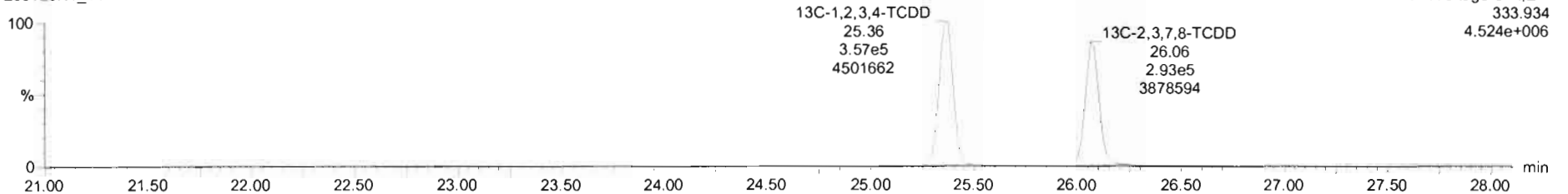


13C-1,2,3,4-TCDD

200129K1_11



200129K1_11



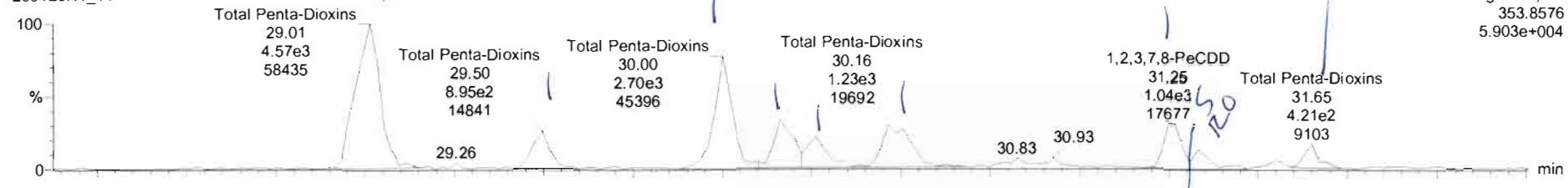
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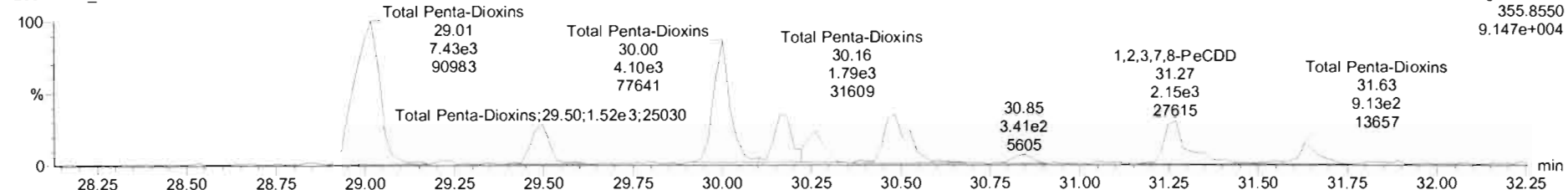
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1,2,3,7,8-PeCDD

200129K1_11

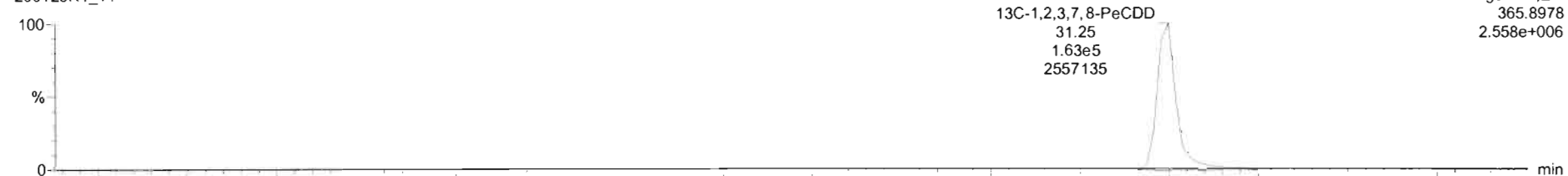


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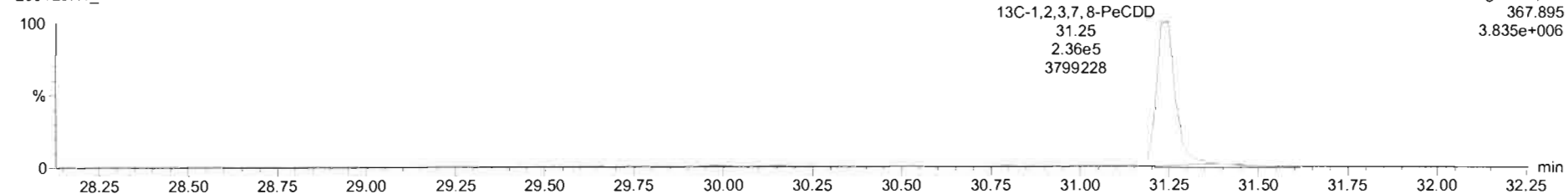


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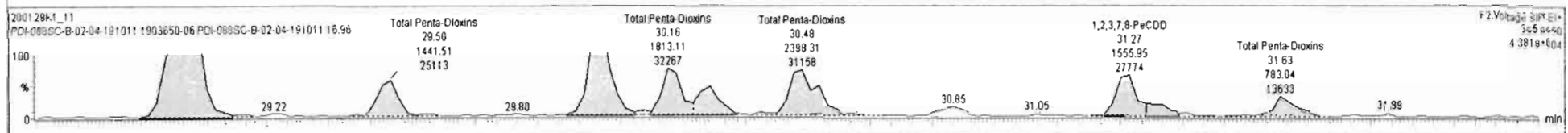
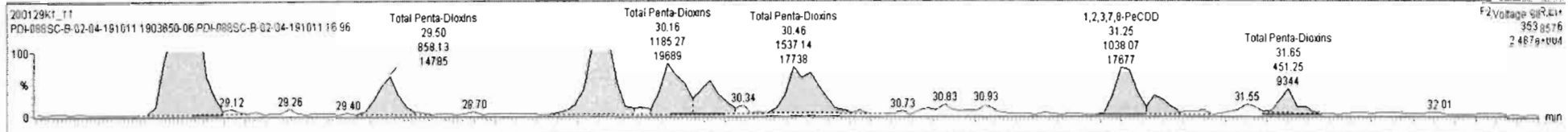


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Name	Resp	RA	n/y	RRF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
35 37Cl-2,3,7,8-TCDD	2.01e5			1.1244	10.005	26.09	1.029	55.3	69.2	0.130	
36 13C-1,2,3,4-TCDD	6.45e5	0.81	NO	1.0000	10.005	25.36	1.000	200	100	0.387	
37 13C-1,2,3,4-TCDF	1.13e6	0.80	NO	1.0000	10.005	23.45	1.000	200	100	0.383	
38 13C-1,2,3,4,6,8-HxCDF	7.18e5	0.52	NO	1.0000	10.005	34.12	1.000	200	100	0.744	
39 Total Tetra-Dioxins				0.9431	10.005			11.4		0.195	12.5
40 Total Penta-Dioxins				0.8974	10.005			18.9		0.170	19.3
41 Total Hexa-Dioxins				1.0068	10.005			114		0.378	117
42 Total Hepta-Dioxins				1.0622	10.005			736		2.07	736
43 Total Tetra-Furans				0.9700	10.005			81.3		0.281	87.8
44 Total Penta-Furans				0.9560	10.005			26.0		0.0570	26.0

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Dioxins	29.01	4.538e3	7.409e3	0.61	NO	6.6758	6.6758
2 Total Penta-Dioxins	29.50	8.581e2	1.442e3	0.60	NO	1.2850	1.2850
3 Total Penta-Dioxins	30.00	2.649e3	4.163e3	0.64	NO	3.8068	3.8068
4 Total Penta-Dioxins	30.16	1.185e3	1.813e3	0.65	NO	1.6754	1.6754
5 Total Penta-Dioxins	30.26	7.512e2	1.200e3	0.63	NO	1.0905	1.0905
6 Total Penta-Dioxins	30.46	1.537e3	2.398e3	0.64	NO	2.1991	2.1991
7 1,2,3,7,8-PeCDD	31.25	1.038e3	1.556e3	0.67	NO	1.4495	1.4495
8 Total Penta-Dioxins	31.33	3.400e2	4.514e2	0.75	YES	0.41115	0.00000



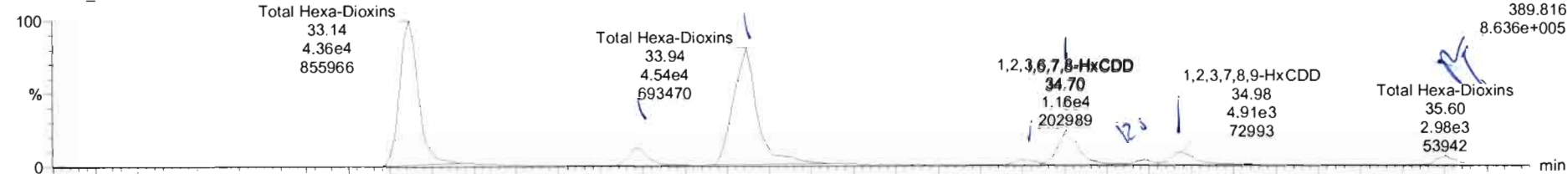
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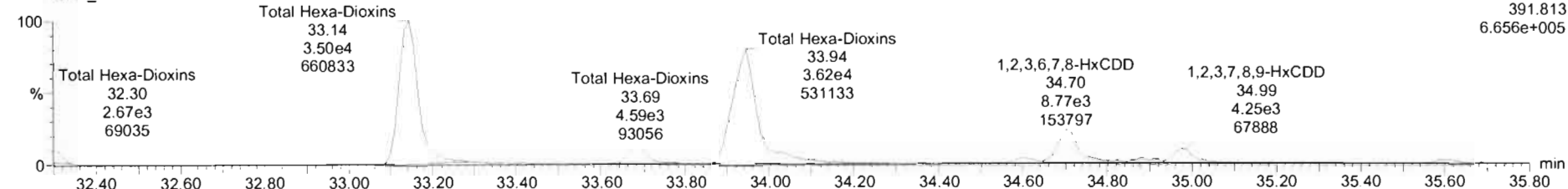
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1,2,3,4,7,8-HxCDD

200129K1_11

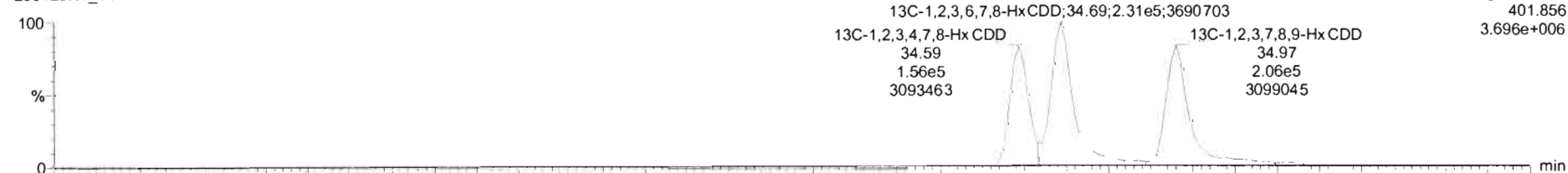


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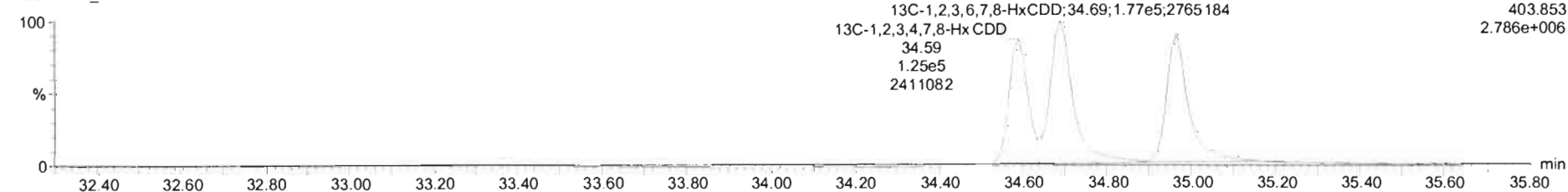


13C-1,2,3,4,7,8-HxCDD

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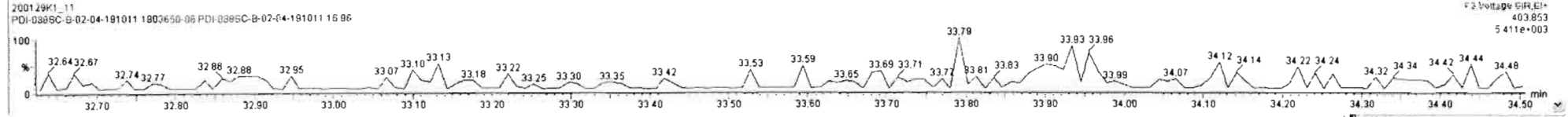
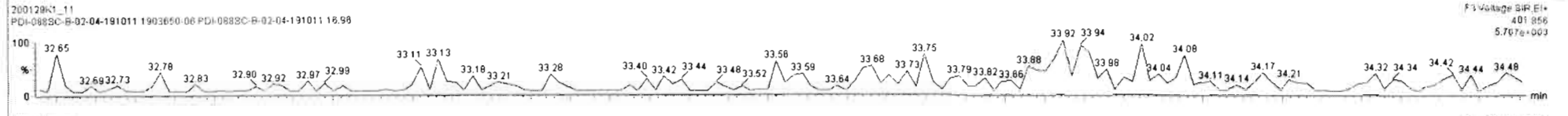
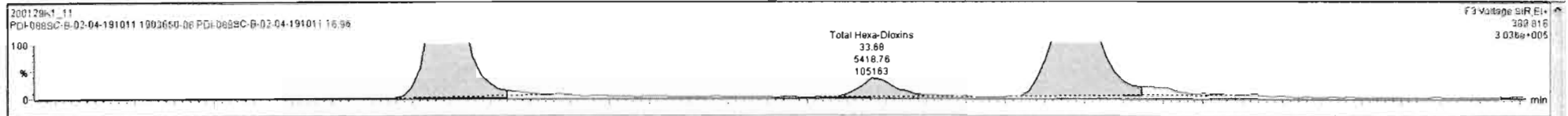


200129K1_11



Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
24 13C-OCDD	4.40e5	0.93	NO	0.3713	10.005	41.69	1.222	330	82.5	1.30	
25 13C-2,3,7,8-TCDF	7.49e5	0.78	NO	1.0693	10.005	25.08	0.989	124	62.3	0.358	
26 13C-1,2,3,7,8-PeCDF	6.67e5	1.72	NO	0.7650	10.005	29.94	1.181	155	77.4	0.901	
27 13C-2,3,4,7,8-PeCDF	5.89e5	1.57	NO	0.7261	10.005	30.93	1.220	144	72.0	0.950	
28 13C-1,2,3,4,7,8-HxCDF	5.06e5	0.52	NO	0.9649	10.005	33.74	0.989	147	73.4	0.771	
29 13C-1,2,3,6,7,8-HxCDF	6.00e5	0.52	NO	1.0938	10.005	33.85	0.992	153	76.4	0.680	
30 13C-2,3,4,6,7,8-HxCDF	4.92e5	0.53	NO	0.9836	10.005	34.42	1.009	139	69.6	0.756	
31 13C-1,2,3,7,8,9-HxCDF	4.17e5	0.51	NO	0.7904	10.005	35.31	1.035	147	73.5	0.841	
32 13C-1,2,3,4,6,7,8-HpCDF	3.70e5	0.46	NO	0.7335	10.005	37.03	1.085	140	70.2	0.764	

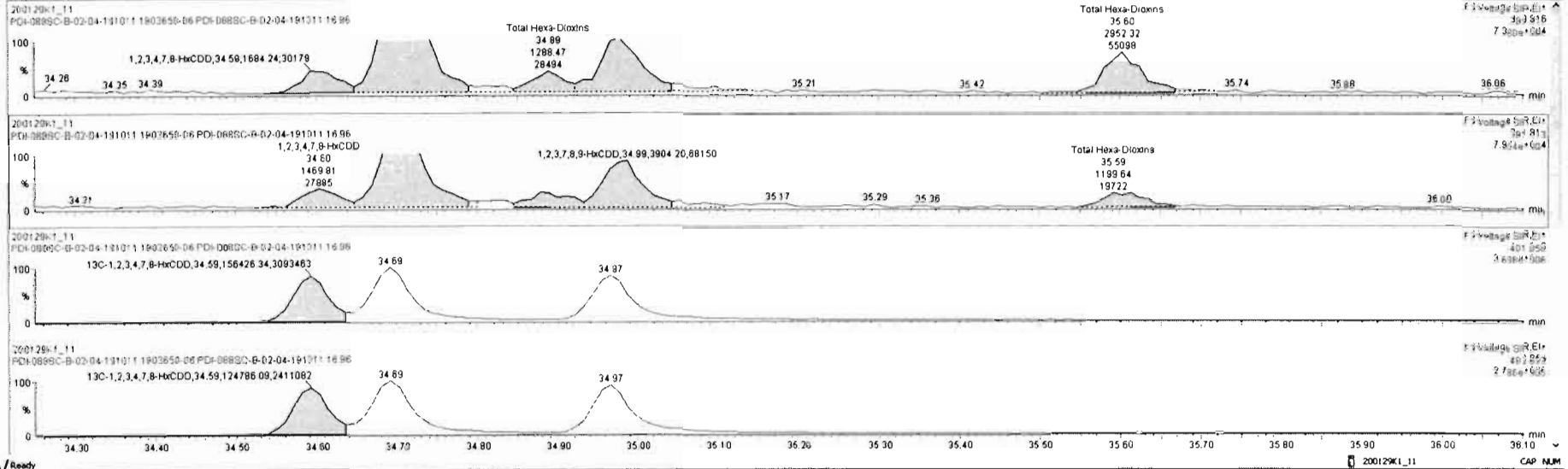
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	33.14	4.388e4	3.485e4	1.27	NO	44.732	44.732
2 Total Hexa-Dioxins	33.68	5.419e3	4.496e3	1.21	NO	5.6474	5.6474
3 Total Hexa-Dioxins	33.94	4.276e4	3.327e4	1.29	NO	43.306	43.306
4 1,2,3,4,7,8-HxCDD	34.59	1.684e3	1.470e3	1.15	NO	1.9196	1.9196
5 1,2,3,6,7,8-HxCDD	34.70	1.121e4	8.654e3	1.30	NO	9.6752	9.6752
6 Total Hexa-Dioxins	34.89	1.275e3	1.306e3	0.96	YES	1.3117	0.00000
7 1,2,3,7,8,9-HxCDD	34.98	4.421e3	3.904e3	1.13	NO	4.7495	4.7495
8 Total Hexa-Dioxins	35.60	2.952e3	1.200e3	2.46	YES	1.5305	0.00000



Name	Resp	RA	n/y	RRF	retVol	RT	RRT	Conc.	%Rec	DL	EMPC
24 13C-OCDD	4.40e5	0.93	NO	0.3713	10.005	41.89	1.222	330	82.5	1.30	
25 13C-2,3,7,8-TCDF	7.49e5	0.78	NO	1.0693	10.005	25.08	0.989	124	62.3	0.358	
26 13C-1,2,3,7,8-PeCDF	6.67e5	1.72	NO	0.7650	10.005	29.94	1.181	155	77.4	0.901	
27 13C-1,2,3,4,7,8-HxCDF	5.89e5	1.57	NO	0.7261	10.005	30.93	1.220	144	72.0	0.950	
28 13C-1,2,3,4,7,8-HxCDF	5.00e5	0.52	NO	0.5649	10.005	33.74	0.989	147	73.4	0.771	
29 13C-1,2,3,6,7,8-HxCDF	6.00e5	0.52	NO	1.0638	10.005	33.85	0.992	153	76.4	0.680	
30 13C-2,3,4,6,7,8-HxCDF	4.92e5	0.53	NO	0.9836	10.005	34.42	1.009	139	69.5	0.756	
31 13C-1,2,3,7,8-HxCDF	4.17e5	0.51	NO	0.7904	10.005	36.31	1.035	147	73.5	0.941	
32 13C-1,2,3,4,6,7,8-HpCDF	3.70e5	0.48	NO	0.7335	10.005	37.03	1.085	140	70.2	0.764	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	33.14	4.388e4	3.465e4	1.27	NO	44.732	44.732
2 Total Hexa-Dioxins	33.68	5.419e3	4.496e3	1.21	NO	5.6474	5.6474
3 Total Hexa-Dioxins	33.94	4.276e4	3.327e4	1.29	NO	43.306	43.306
4 1,2,3,4,7,8-HxCDD	34.59	1.684e3	1.470e3	1.15	NO	1.9196	1.9196
5 1,2,3,6,7,8-HxCDD	34.70	1.121e4	8.654e3	1.30	NO	9.6752	9.6752
6 Total Hexa-Dioxins	34.89	1.288e3	1.306e3	0.99	YES	1.3257	0.00000
7 1,2,3,7,8-HxCDD	34.96	4.465e3	3.904e3	1.14	NO	4.7748	4.7748
8 Total Hexa-Dioxins	35.60	2.952e3	1.200e3	2.46	YES	1.5305	0.00000

RT



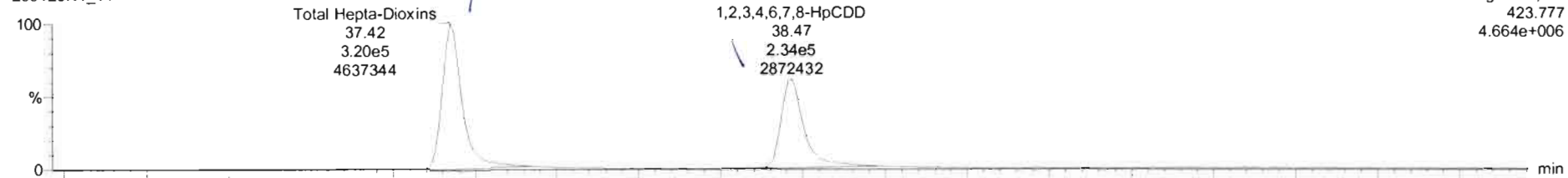
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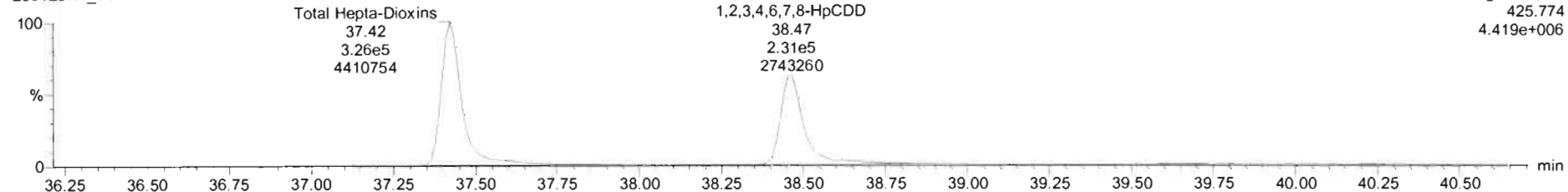
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1,2,3,4,6,7,8-HpCDD

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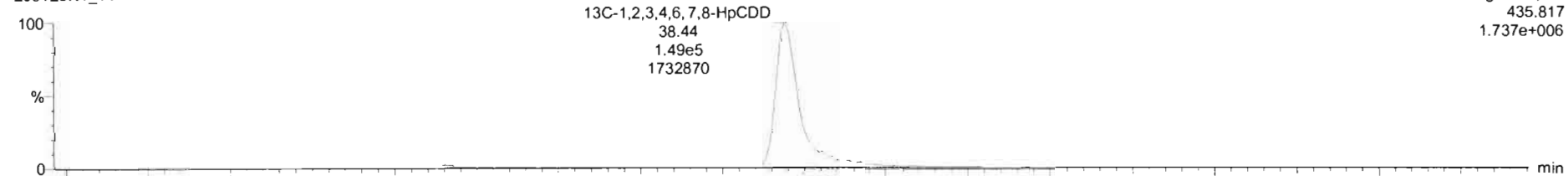


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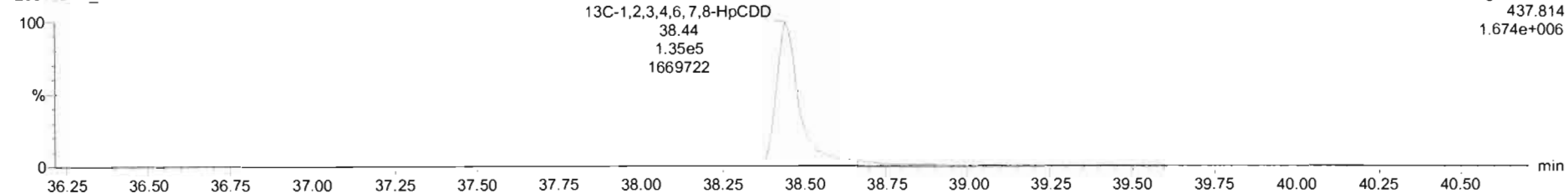


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200129K1_11



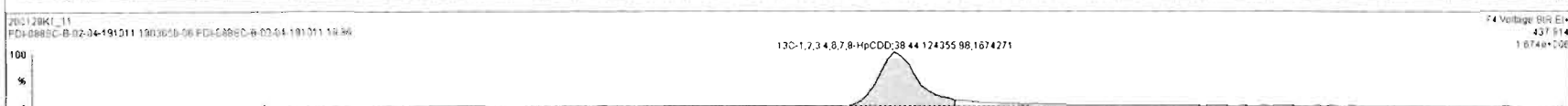
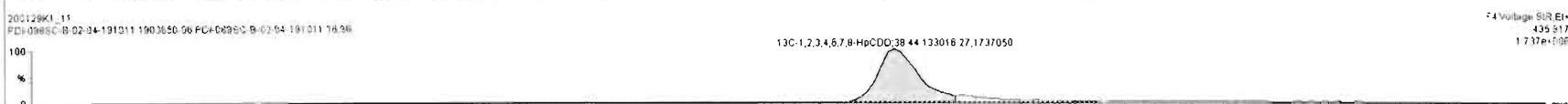
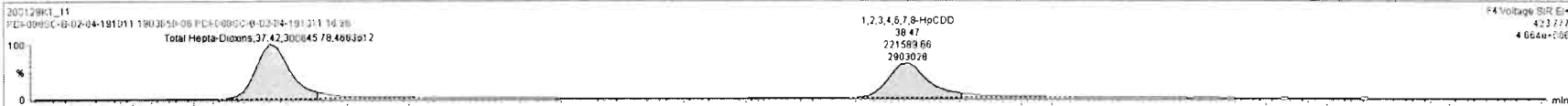
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200129K1_11: 1903650-06 PCD-0885C-B-02-04-191011 16.96- PCD-0885C-B-02-04-191011

Name	Resp	RA	nly	RRF	wt/wt	RT	RRT	Conc.	%Rec	DL	EMPC
42 Total Hepta-Dioxins				1.0522	10.005			747		2.04	747
43 Total Tetra-Furans				0.3700	10.005			81.3		0.261	81.8
44 Tot Func. Penta-Furans				0.3590	10.005			39.0		0.0579	39.0
45 Total Penta-Furans				0.3590	10.005			84.0		0.264	84.8
46 Total Hexa-Furans				1.2131	10.005			159		0.350	160
47 Total Hepta-Furans				1.1881	10.005			317		0.737	320
48 PFK1											
49 PFK2											
50 PFK3											
51											

Name	RT	wt Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hepta-Dioxins	37.42	3.008e5	2.688e5	1.04	NO	431.05	431.05
2 1,2,3,4,6,7,8-HpCDD	38.47	2.216e5	2.102e5	1.05	NO	315.72	315.72



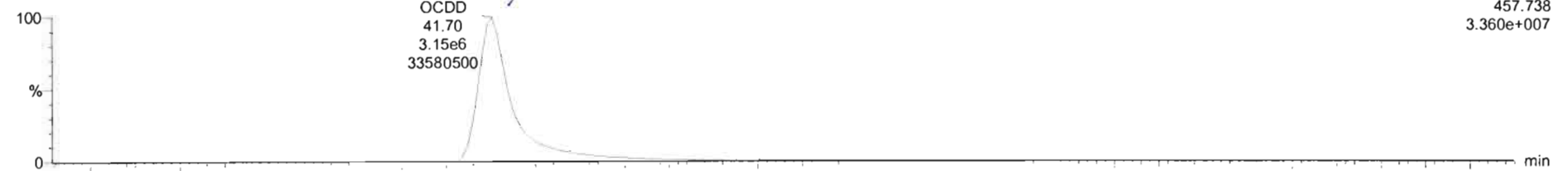
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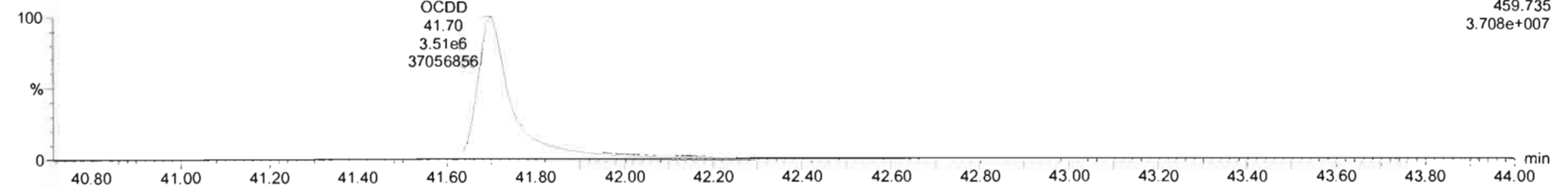
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OCDD

200129K1_11

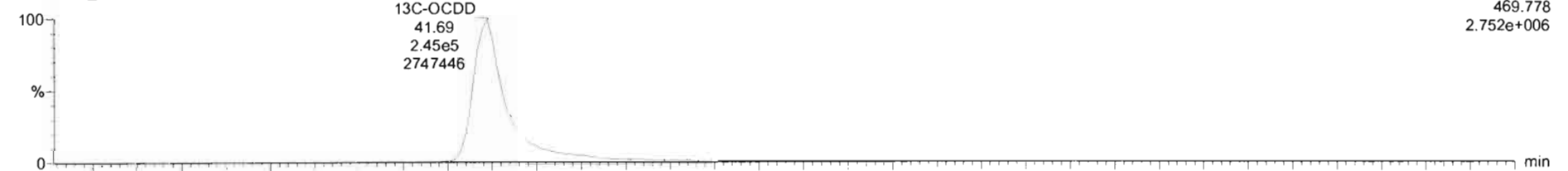


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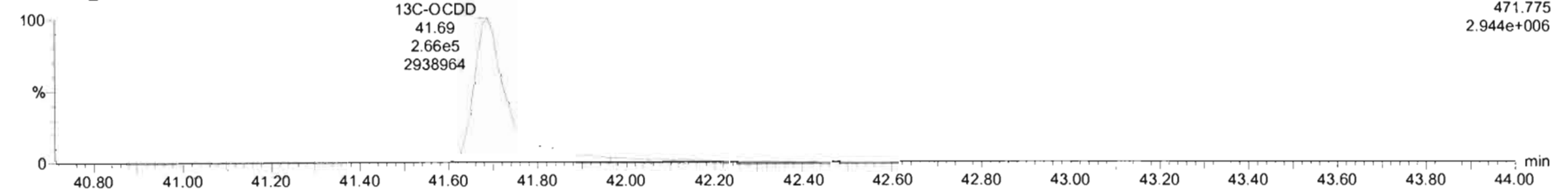


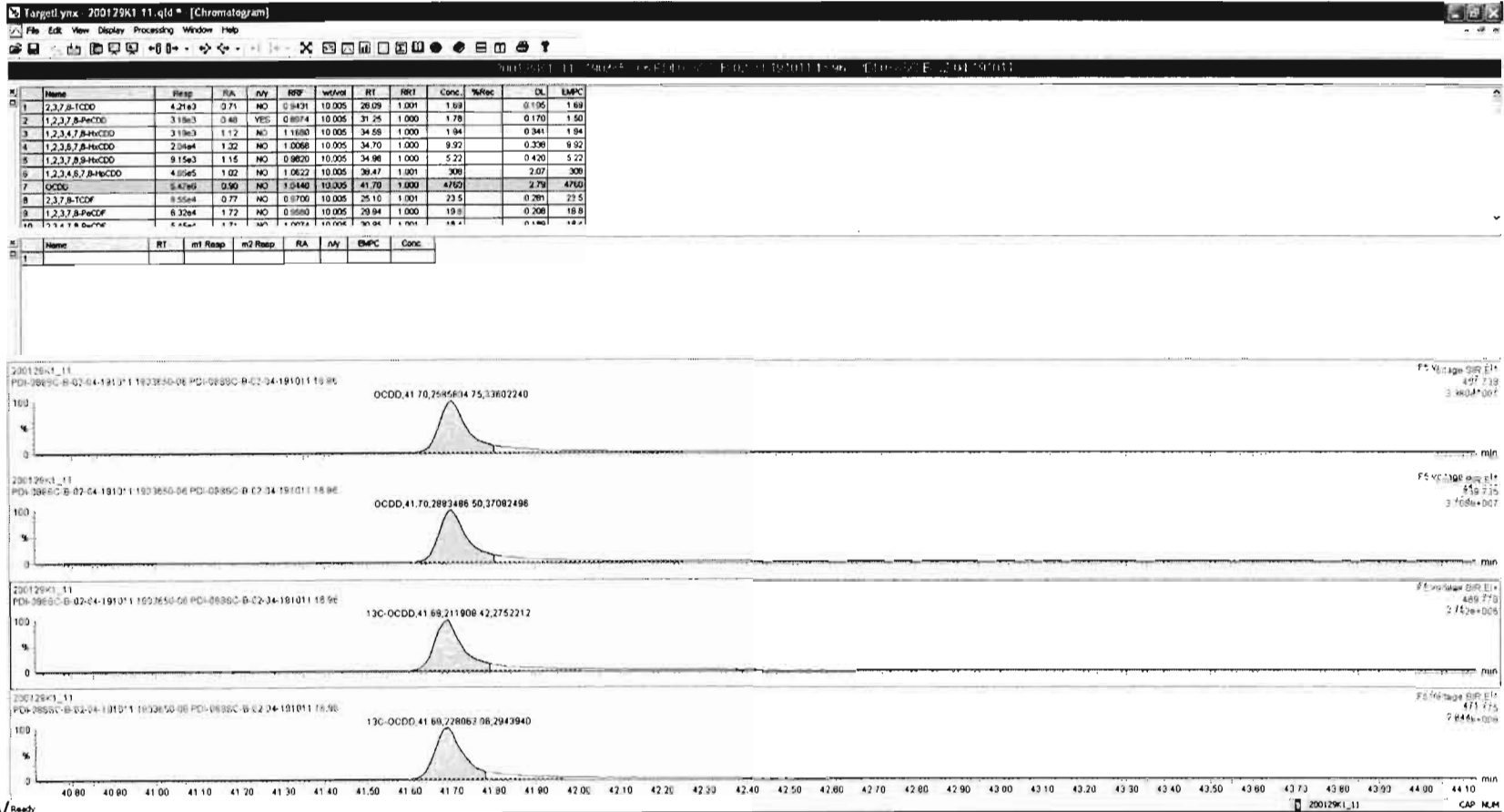
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200129K1_11



200129K1_11



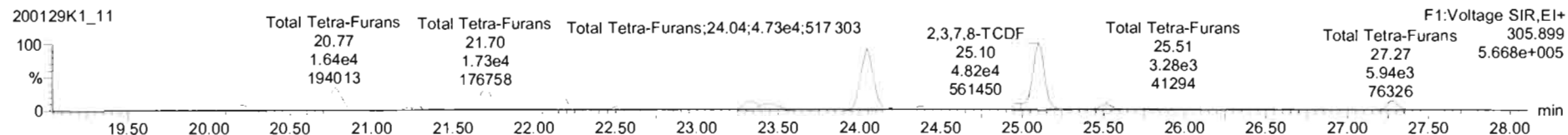
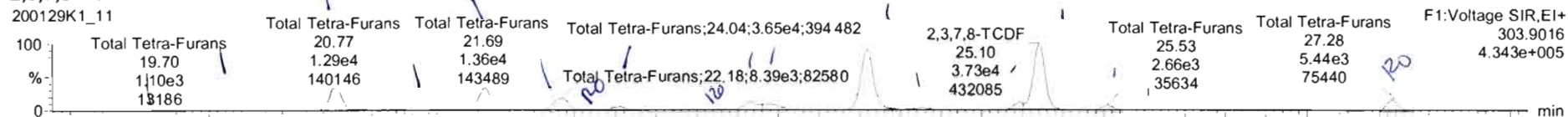


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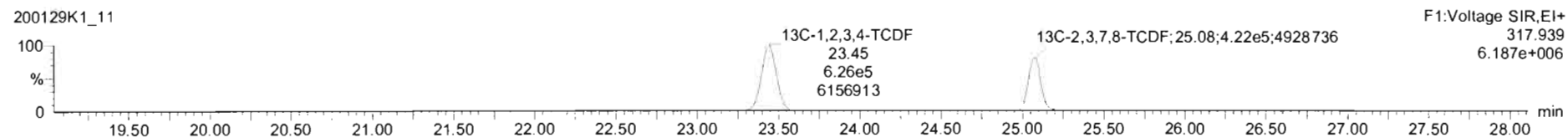
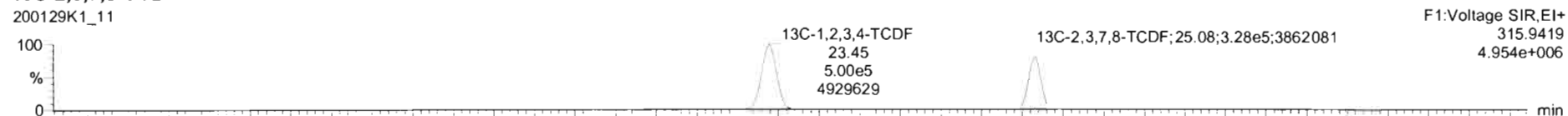
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Name: 200129K1_11, Date: 29-Jan-2020, Time: 23:16:07, ID: 1903650-06 PDI-088SC-B-02-04-191011 16.96, Description: PDI-088SC-B-02-04-191011

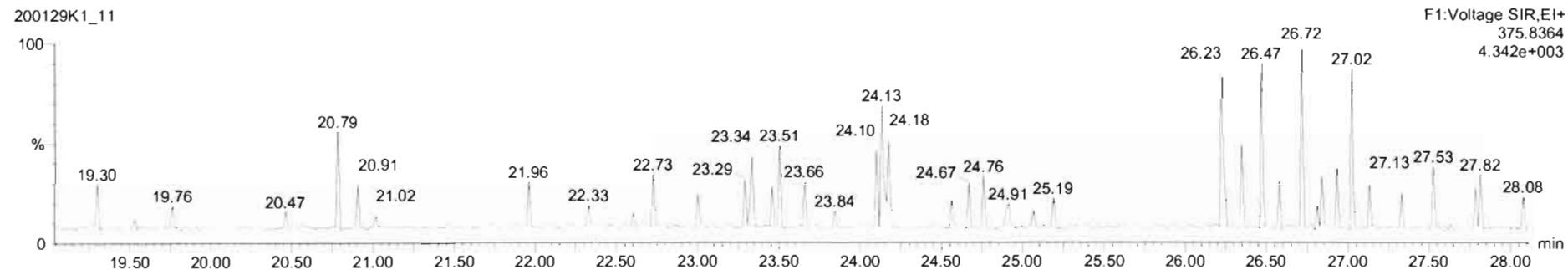
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13C-2,3,7,8-TCDF

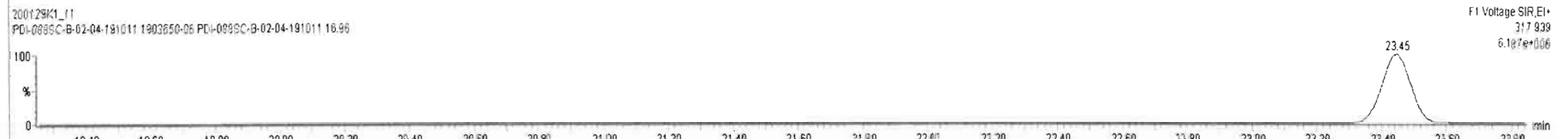
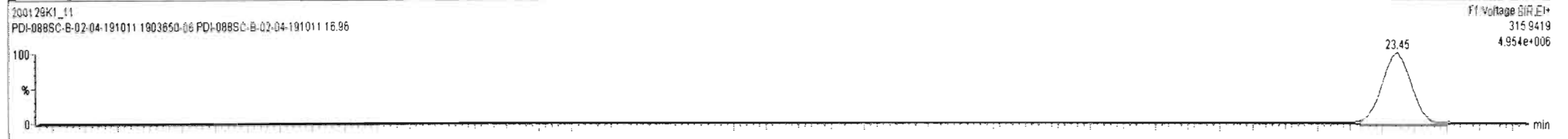
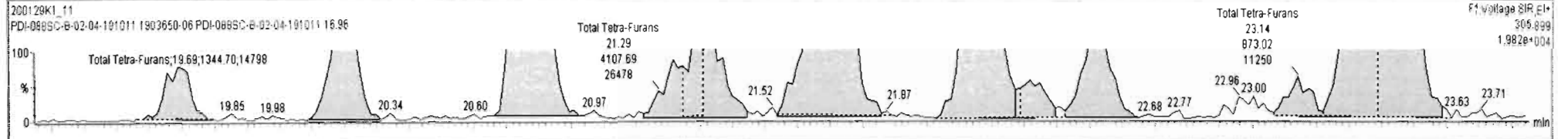
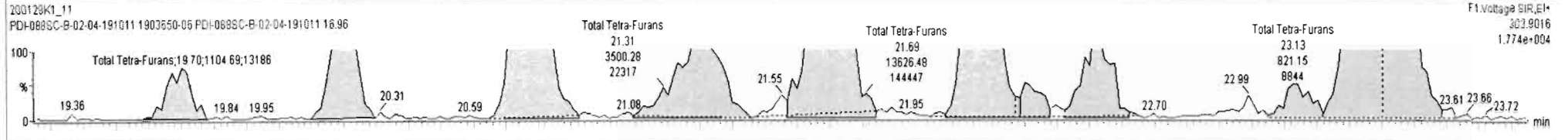


DPE1



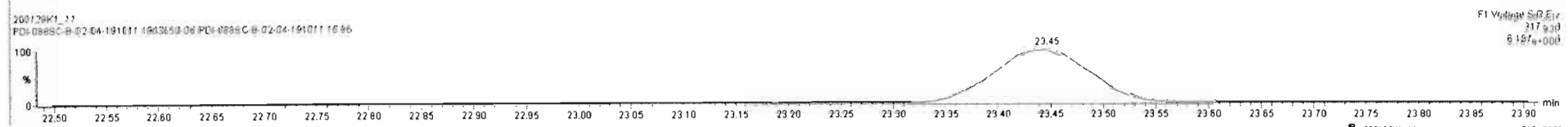
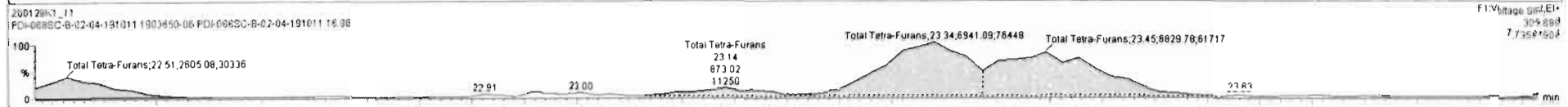
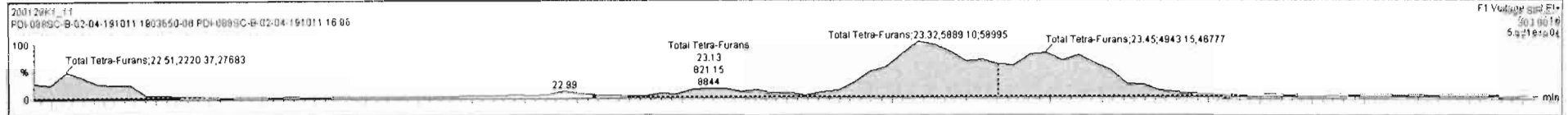
Name	Resp	RA	n/y	RRF	wAol	RT	RRT	Conc.	%Rec	DL	EMPC
42 Total Hepta-Dioxins				1.0622	10.005			747		2.04	747
43 Total Tetra-Furans				0.9700	10.005			83.9		0.281	89.6
44 1st Func. Penta-Furans				0.9580	10.005			39.0		0.0579	39.0
45 Total Penta-Furans				0.9580	10.005			84.0		0.204	84.8
46 Total Hexa-Furans				1.2131	10.005			159		0.350	160
47 Total Hepta-Furans				1.1891	10.005			317		0.737	320
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											

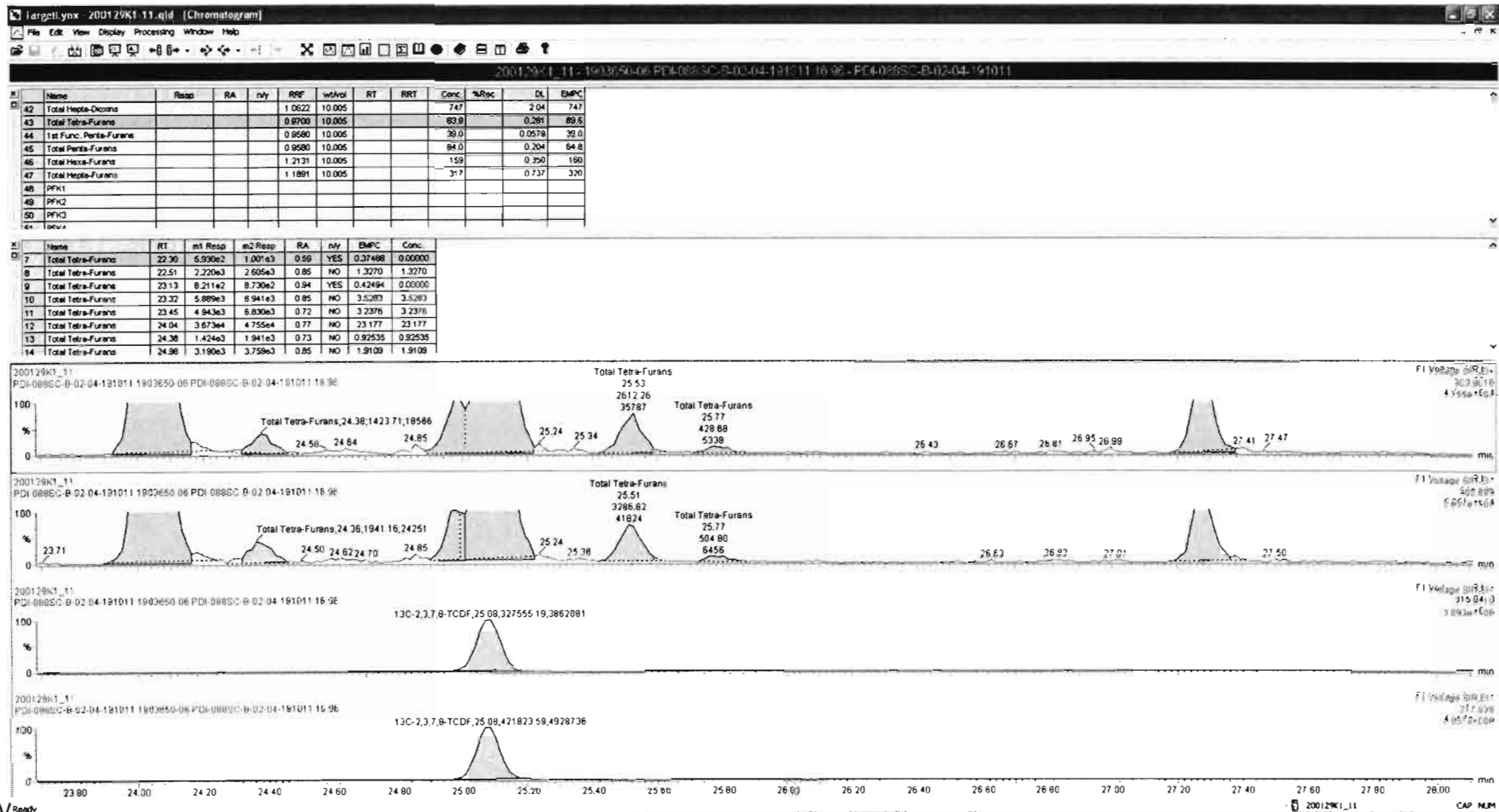
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1 Total Tetra-Furans	19.70	1.105e3	1.345e3	0.82	NO	0.67359	0.67359
2 Total Tetra-Furans	20.20	2.621e3	3.521e3	0.74	NO	1.6892	1.6892
3 Total Tetra-Furans	20.77	1.302e4	1.639e4	0.79	NO	8.0891	8.0891
4 Total Tetra-Furans	21.31	3.500e3	4.108e3	0.85	NO	2.0922	0.00000
5 Total Tetra-Furans	21.69	1.363e4	1.754e4	0.78	NO	8.5695	8.5695
6 Total Tetra-Furans	22.18	8.505e3	1.115e4	0.76	NO	5.4040	5.4040
7 Total Tetra-Furans	22.30	5.930e2	1.001e3	0.59	YES	0.37488	0.00000
8 Total Tetra-Furans	22.51	2.220e3	2.605e3	0.85	NO	1.3270	1.3270



Name	Resp	RA	nly	RRF	wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
42 Total Hepta-Dioxins				1.0622	10.005			747		2.04	747
43 Total Tetra-Furans				0.9700	10.005			83.9		0.261	89.6
44 1st Func. Penta-Furans				0.9590	10.005			39.0		0.0579	39.0
45 Total Penta-Furans				0.9590	10.005			84.0		0.204	84.8
46 Total Hexa-Furans				1.2131	10.005			159		0.350	160
47 Total Hepta-Furans				1.1891	10.005			317		0.737	320
48 PFK1											
49 PFK2											
50 PFK3											
64 Dev											

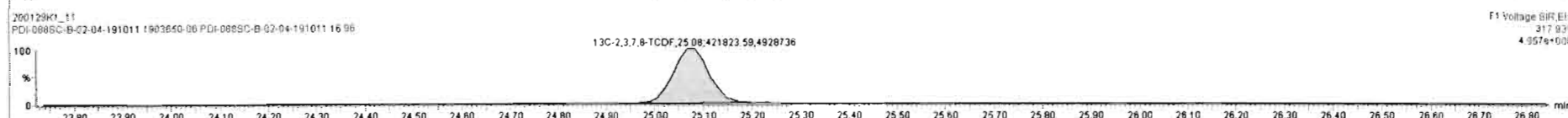
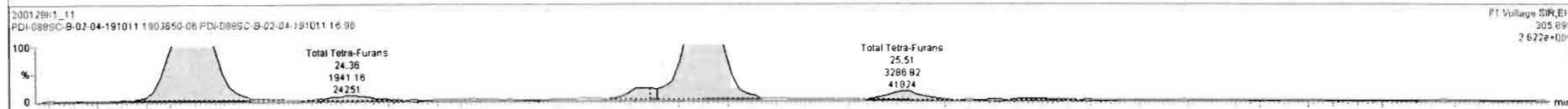
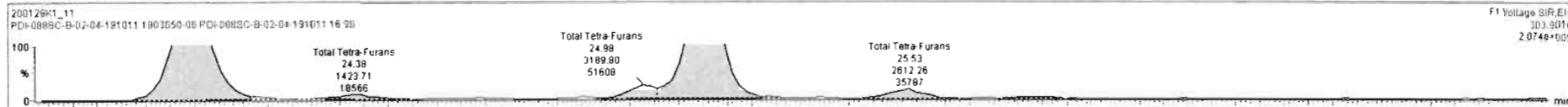
Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc
7 Total Tetra-Furans	22.30	5.830e2	1.001e3	0.58	YES	0.37486	0.00000
8 Total Tetra-Furans	22.51	2.220e3	2.605e3	0.85	NO	1.3270	1.3270
9 Total Tetra-Furans	23.13	8.211e2	8.730e2	0.94	YES	0.42484	0.00000
10 Total Tetra-Furans	23.32	5.889e3	6.941e3	0.85	NO	3.5283	3.5283
11 Total Tetra-Furans	23.45	4.943e3	6.830e3	0.72	NO	3.2376	3.2376
12 Total Tetra-Furans	24.04	3.673e4	4.755e4	0.77	NO	23.177	23.177
13 Total Tetra-Furans	24.38	1.424e3	1.941e3	0.73	NO	0.92535	0.92535
14 Total Tetra-Furans	24.98	3.190e3	3.759e3	0.85	NO	1.9109	1.9109





Name	Resp	RA	nly	RRF	Method	RT	RRT	Conc.	%Rec	DL	EMPC
42 Total Hepta-Dioxins				1.0622	10.005			747		2.04	747
43 Total Tetra-Furans				0.9700	10.005			83.9		0.261	88.8
44 1st Func. Penta-Furans				0.9580	10.005			39.0		0.0578	39.0
45 Total Penta-Furans				0.9580	10.005			84.0		0.204	84.8
46 Total Hexa-Furans				1.2131	10.005			159		0.350	160
47 Total Hepta-Furans				1.1891	10.005			317		0.737	320
48 PFK1											
49 PFK2											
50 PFK3											
61 DCV4											

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
7 Total Tetra-Furans	22.30	5.930e2	1.001e3	0.59	YES	0.37488	0.00000
8 Total Tetra-Furans	22.51	2.220e3	2.605e3	0.85	NO	1.3270	1.3270
9 Total Tetra-Furans	23.13	8.211e2	8.730e2	0.94	YES	0.42494	0.00000
10 Total Tetra-Furans	23.32	5.889e3	6.941e3	0.85	NO	3.5283	3.5283
11 Total Tetra-Furans	23.45	4.943e3	6.030e3	0.72	NO	3.2376	3.2376
12 Total Tetra-Furans	24.04	3.673e4	4.755e4	0.77	NO	23.177	23.177
13 Total Tetra-Furans	24.38	1.424e3	1.941e3	0.73	NO	0.92535	0.92535
14 Total Tetra-Furans	24.98	3.190e3	3.759e3	0.85	NO	1.9109	1.9109



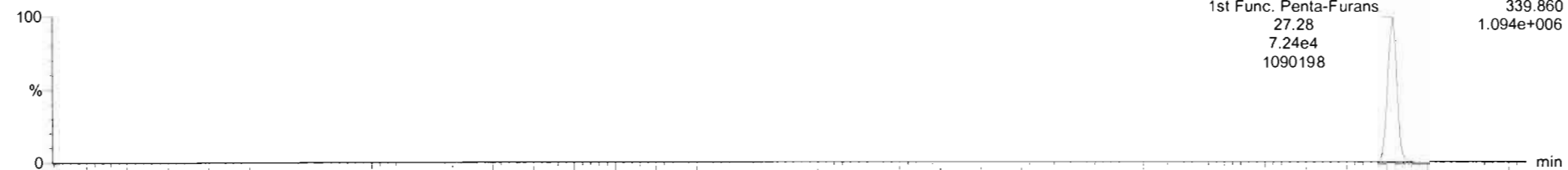
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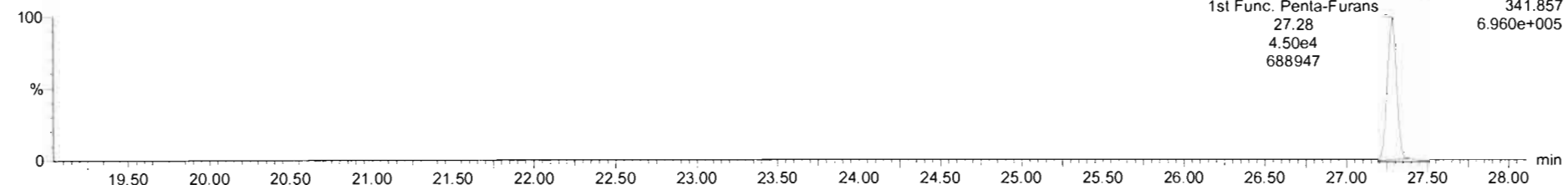
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1st Func. Penta-Furans

200129K1_11

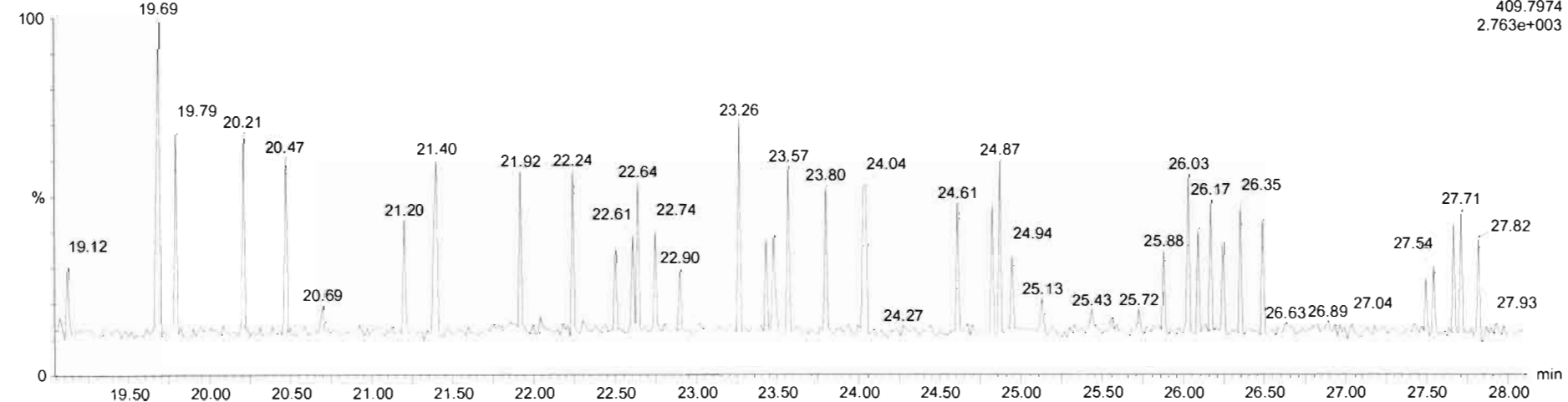


200129K1_11



DPE6

200129K1_11



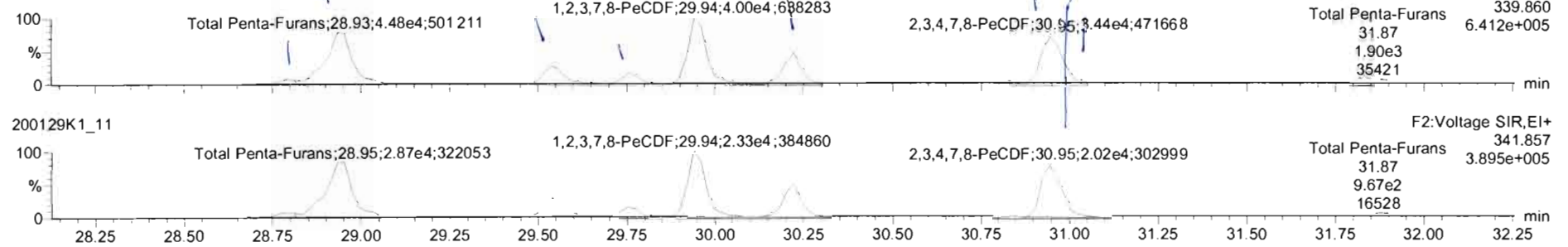
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Name: 200129K1_11, Date: 29-Jan-2020, Time: 23:16:07, ID: 1903650-06 PDI-088SC-B-02-04-191011 16.96, Description: PDI-088SC-B-02-04-191011

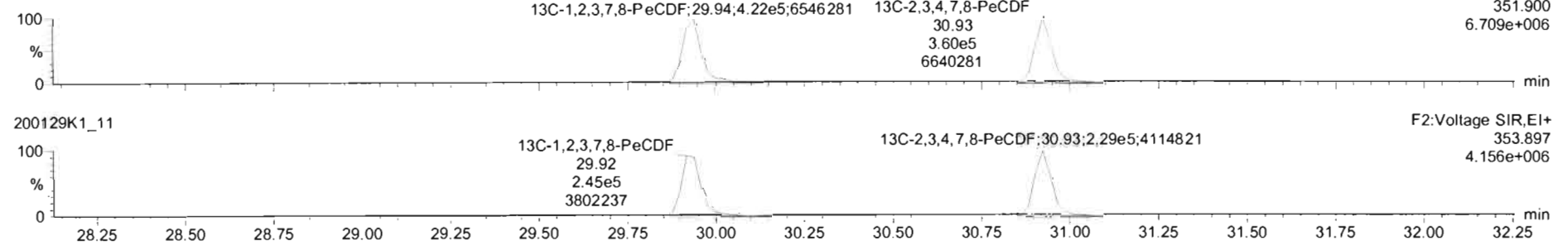
1,2,3,7,8-PeCDF

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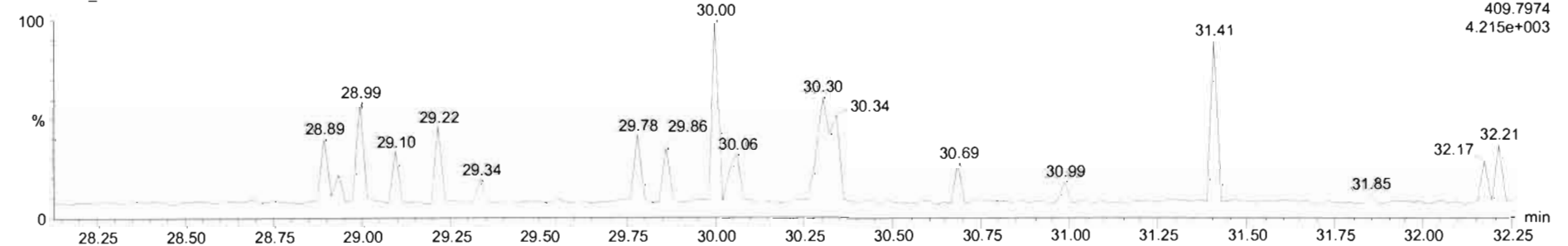
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200129K1_11



DPE2

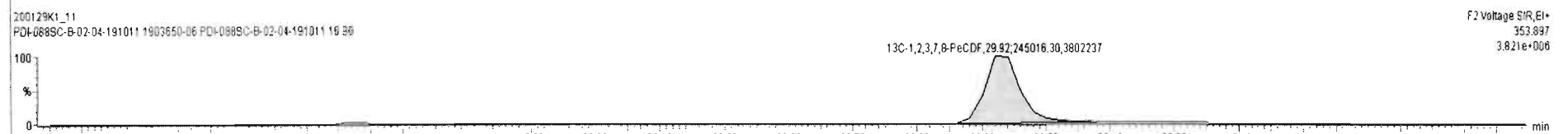
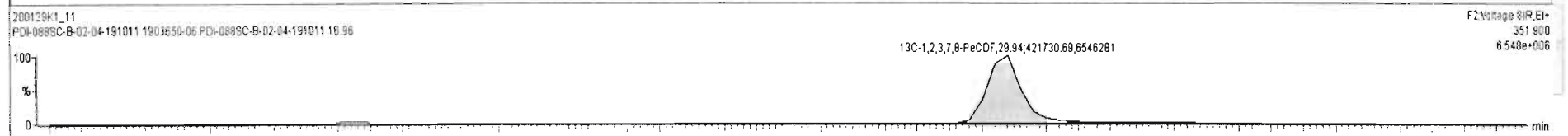
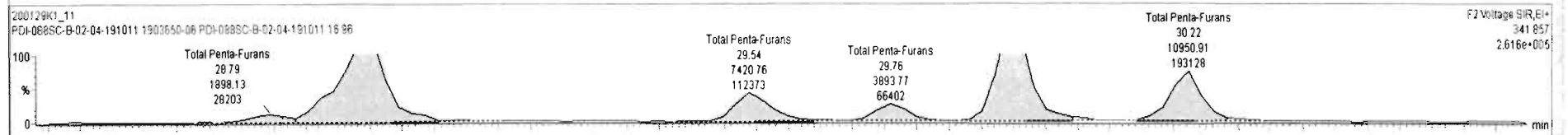
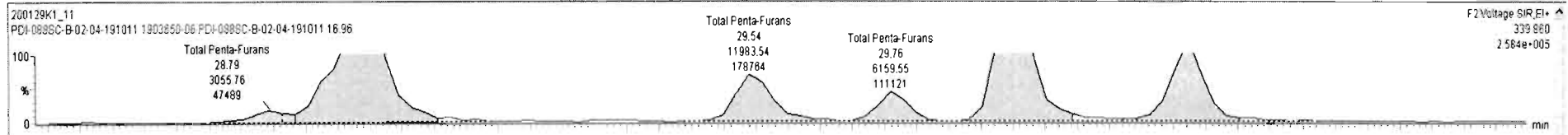
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200129K1_11 - 1903650-06 PDI-088SC-B-02-04-191011 16 96 - PDI-088SC-B-02-04-191011

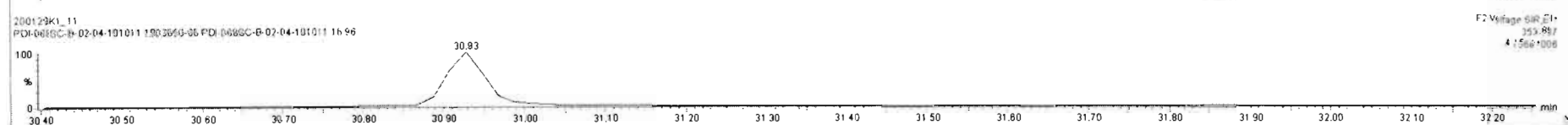
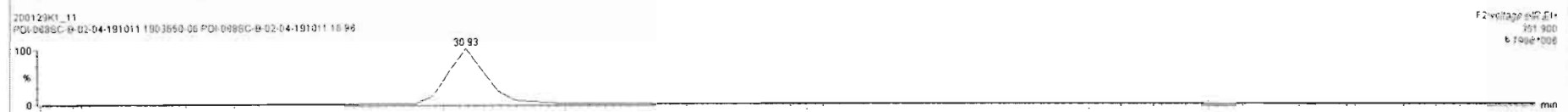
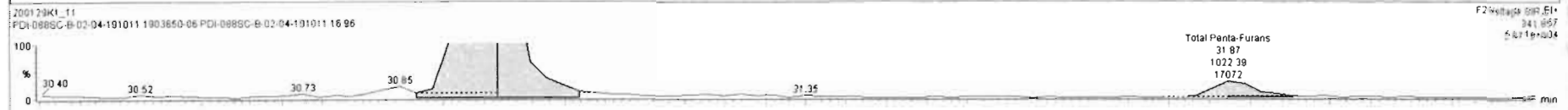
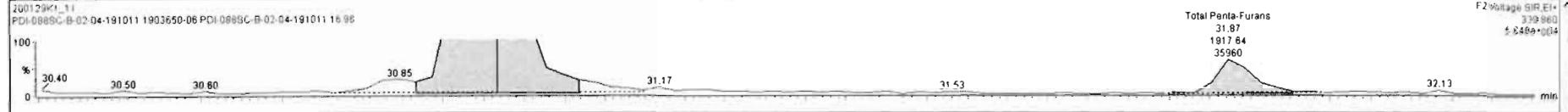
Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9431	10.005			11.4	0.195	12.5	
40 Total Penta-Dioxins				0.8974	10.005			18.9	0.170	19.3	
41 Total Hexa-Dioxins				1.0068	10.005			110	0.378	111	
42 Total Hepta-Dioxins				1.0622	10.005			747	2.04	747	
43 Total Tetra-Furans				0.9700	10.005			83.9	0.281	89.6	
44 1st Func. Penta-Furans				0.9580	10.005			39.0	0.0579	39.0	
45 Total Penta-Furans				0.9500	10.005			82.8	0.204	83.7	
46 Total Hexa-Furans				1.2131	10.005			159	0.350	160	
47 Total Hepta-Furans				1.1891	10.005			317	0.737	320	

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Penta-Furans	28.79	3.056e3	1.898e3	1.61	NO	1.6468	1.6468
2 Total Penta-Furans	29.30	4.410e4	2.806e4	1.57	NO	23.994	23.994
3 Total Penta-Furans	29.54	1.198e4	7.421e3	1.61	NO	6.4507	6.4507
4 Total Penta-Furans	29.76	6.160e3	3.894e3	1.58	NO	3.3421	3.3421
5 1,2,3,7,8-PeCDF	29.94	3.873e4	2.318e4	1.67	NO	19.377	19.377
6 Total Penta-Furans	30.22	1.804e4	1.095e4	1.65	NO	9.6372	9.6372
7 2,3,4,7,8-PeCDF	30.95	2.277e4	1.459e4	1.56	NO	12.595	12.595
8 Total Penta-Furans	30.97	1.098e4	6.459e3	1.70	NO	5.7969	5.7969



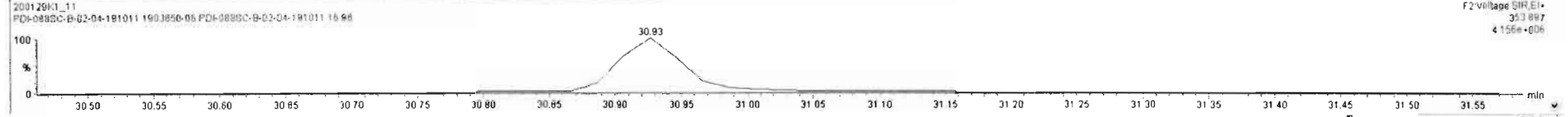
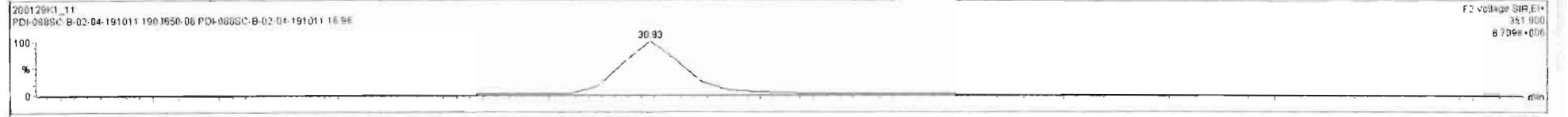
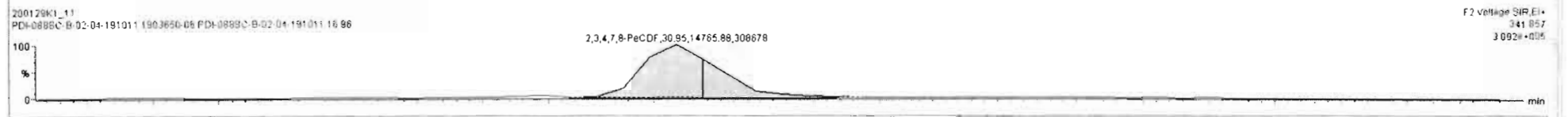
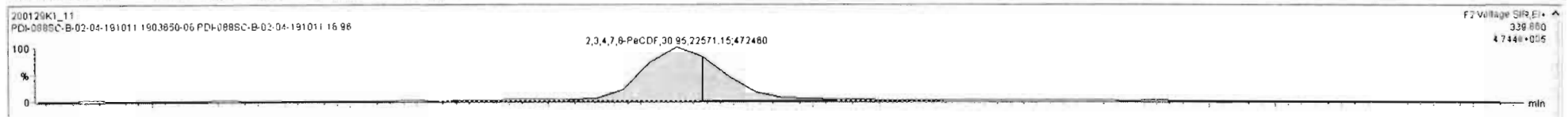
Name	Resp	RA	n/y	RF	wt/wt	RT	RRT	Conc.	%Rec	DL	EMPC
38 Total Tetra-Dioxins				0.9431	10.005			11.4	0.195	12.5	
40 Total Penta-Dioxins				0.8974	10.005			18.9	0.170	19.3	
41 Total Hexa-Dioxins				1.0068	10.005			11.0	0.378	111	
42 Total Hepta-Dioxins				1.0672	10.005			7.7	2.04	7.7	
43 Total Tetra-Furans				0.9700	10.005			83.9	0.281	89.6	
44 1st Func. Penta-Furans				0.9580	10.005			39.0	0.0579	39.0	
45 Total Penta-Furans				0.9580	10.005			82.7	0.204	82.6	
46 Total Hexa-Furans				1.2131	10.005			159	0.350	160	
47 Total Hepta-Furans				1.1891	10.005			317	0.737	320	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	28.79	3.056e3	1.898e3	1.61	NO	1.6468	1.6468
2 Total Penta-Furans	28.93	4.410e4	2.608e4	1.57	NO	23.994	23.994
3 Total Penta-Furans	29.54	1.198e4	7.421e3	1.61	NO	6.4507	6.4507
4 Total Penta-Furans	29.76	6.160e3	3.894e3	1.58	NO	3.3421	3.3421
5 1,2,3,7,8-PeCDF	29.94	3.873e4	2.318e4	1.67	NO	19.377	19.377
6 Total Penta-Furans	30.22	1.804e4	1.095e4	1.65	NO	9.6372	9.6372
7 2,3,4,7,8-PeCDF	30.85	2.257e4	1.477e4	1.53	NO	12.588	12.588
8 Total Penta-Furans	30.97	1.066e4	6.439e3	1.68	NO	5.6895	5.6895



Name	Resp	RA	n/y	RRF	wtAvl	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9431	10.005			11.4		0.195	12.5
40 Total Penta-Dioxins				0.8974	10.005			18.9		0.170	19.3
41 Total Hexa-Dioxins				1.0068	10.005			110		0.378	111
42 Total Hepta-Dioxins				1.0622	10.005			747		2.04	747
43 Total Tetra-Furans				0.9700	10.005			83.9		0.281	89.6
44 1st Func. Penta-Furans				0.9580	10.005			39.0		0.0579	39.0
45 Total Penta-Furans				0.9580	10.005			82.7		0.204	83.8
46 Total Hexa-Furans				1.2131	10.005			158		0.350	160
47 Total Hepta-Furans				1.1891	10.005			317		0.737	320

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	28.79	3.056e3	1.898e3	1.61	NO	1.6468	1.6468
2 Total Penta-Furans	28.93	4.410e4	2.806e4	1.57	NO	23.994	23.994
3 Total Penta-Furans	29.54	1.198e4	7.421e3	1.61	NO	8.4507	6.4507
4 Total Penta-Furans	29.76	6.160e3	3.894e3	1.58	NO	3.3421	3.3421
5 1,2,3,7,8-PeCDF	29.94	3.873e4	2.318e4	1.67	NO	19.377	19.377
6 Total Penta-Furans	30.22	1.804e4	1.095e4	1.65	NO	9.6372	9.6372
7 2,3,4,7,8-PeCDF	30.95	2.257e4	1.477e4	1.53	NO	12.588	12.588
8 Total Penta-Furans	30.97	1.068e4	6.439e3	1.68	NO	5.6895	5.6895

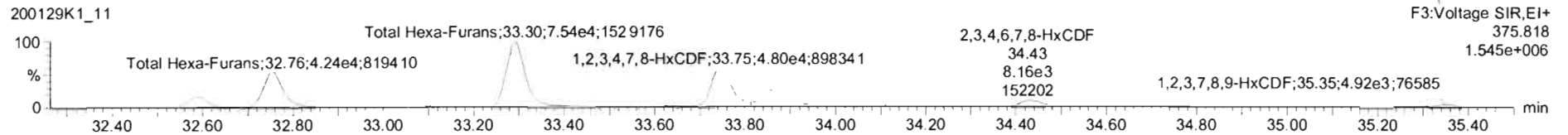
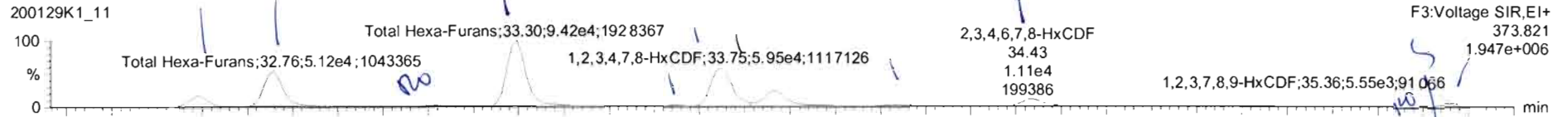


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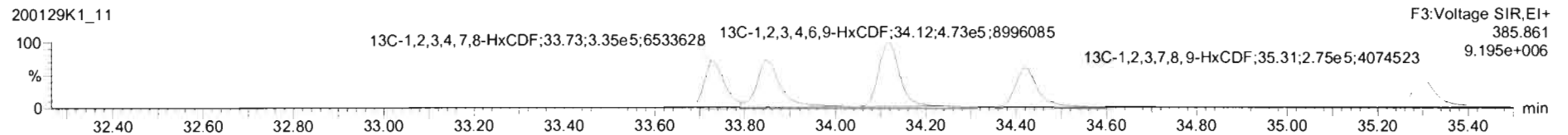
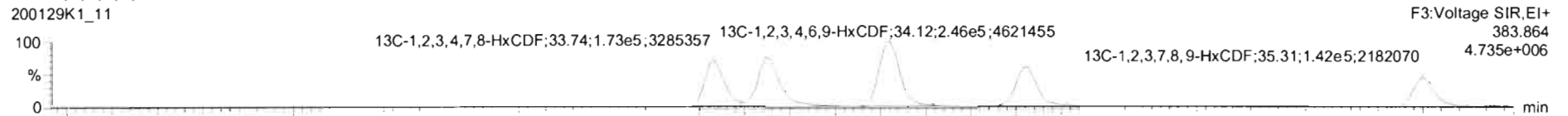
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Name: 200129K1_11, Date: 29-Jan-2020, Time: 23:16:07, ID: 1903650-06 PDI-088SC-B-02-04-191011 16.96, Description: PDI-088SC-B-02-04-191011

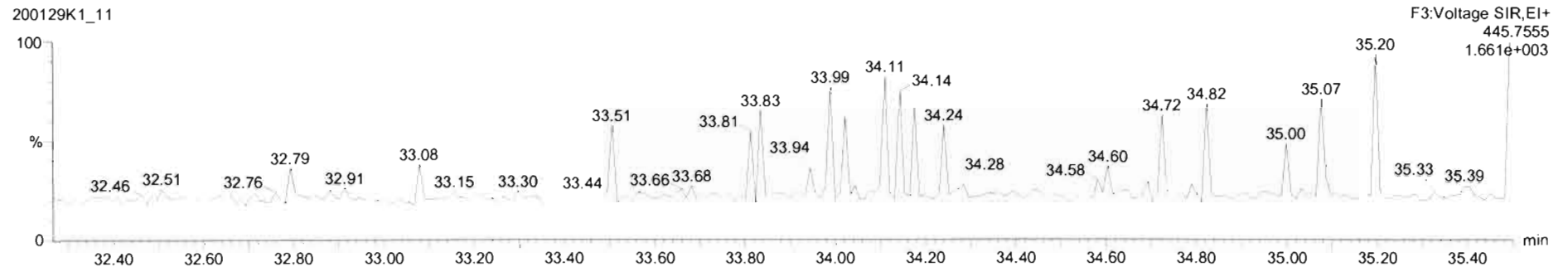
1,2,3,4,7,8-HxCDF



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

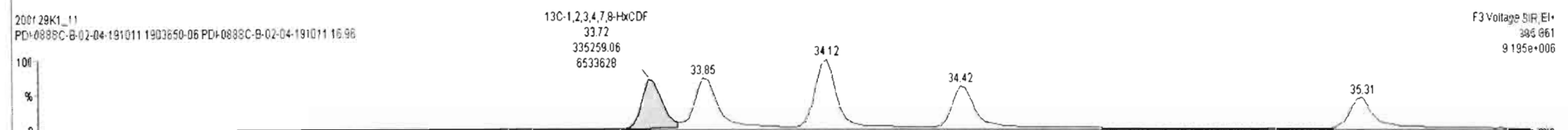
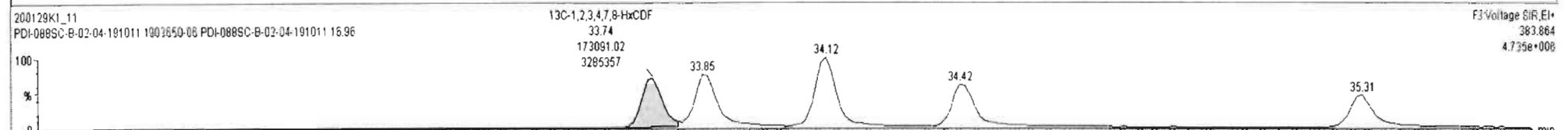
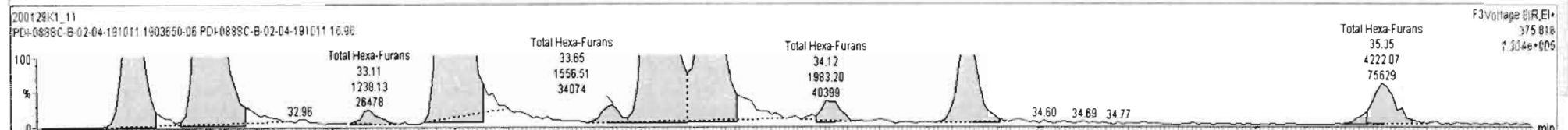
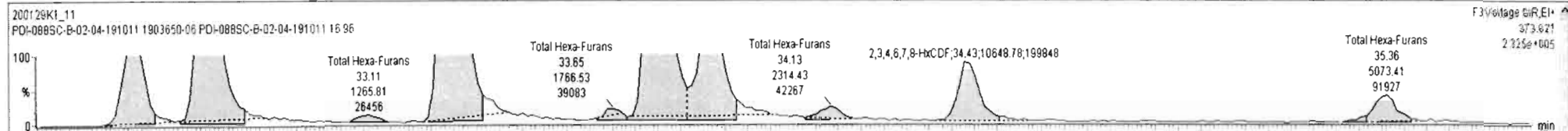


DPE3



Name	Resp	RA	nly	RRF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9431	10.005			11.4		0.195	12.5
40 Total Penta-Dioxins				0.8974	10.005			18.9		0.170	19.3
41 Total Hexa-Dioxins				1.0068	10.005			110		0.378	111
42 Total Hepta-Dioxins				1.0622	10.005			747		2.04	747
43 Total Tetra-Furans				0.9700	10.005			83.9		0.261	89.6
44 1st Func. Penta-Furans				0.9580	10.005			39.0		0.0579	39.0
45 Total Penta-Furans				0.9580	10.005			82.7		0.204	83.6
46 Total Hexa-Furans				1.2131	10.005			158		0.350	160
47 Total Hepta-Furans				1.1891	10.005			317		0.737	320

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Furans	32.60	1.622e4	1.323e4	1.23	NO	9.6246	9.6246
2 Total Hexa-Furans	32.76	5.243e4	4.209e4	1.25	NO	30.894	30.894
3 Total Hexa-Furans	33.11	1.266e3	1.238e3	1.02	YES	0.74734	0.00000
4 Total Hexa-Furans	33.30	9.375e4	7.521e4	1.25	NO	55.221	55.221
5 Total Hexa-Furans	33.65	1.767e3	1.557e3	1.13	NO	1.0861	1.0861
6 1,2,3,4,7,8-HxCDF	33.75	6.150e4	4.822e4	1.28	NO	37.094	37.094
7 1,2,3,6,7,8-HxCDF	33.87	2.684e4	2.163e4	1.24	NO	14.134	14.134
8 Total Hexa-Furans	34.13	2.314e3	1.983e3	1.17	NO	1.4046	1.4046



#	Name	Resp	RA	nV	RRF	Wt/mt	RT	RRT	Conc.	%Rec	DL	EMPC
39	Total Tetra-Dioxins				0.9431	10.005			11.4		0.195	12.5
40	Total Penta-Dioxins				0.8974	10.005			18.9		0.170	19.3
41	Total Hexa-Dioxins				1.0068	10.005			110		0.375	111
42	Total Hepta-Dioxins				1.0622	10.005			747		2.04	747
43	Total Tetra-Furans				0.9700	10.005			83.9		0.281	89.6
44	1st Func. Penta-Furans				0.9580	10.005			38.0		0.0579	39.0
45	Total Penta-Furans				0.9580	10.005			82.7		0.204	83.6
46	Total Hexa-Furans				1.2131	10.005			159		0.350	160
47	Total Hepta-Furans				1.1891	10.005			317		0.737	320

#	Name	RT	m1 Resp	m2 Resp	RA	nV	EMPC	Conc.
5	Total Hexa-Furans	33.85	1.767e3	1.557e3	1.13	NO	1.0861	1.0861
6	1,2,3,4,7,8-HxCDF	33.75	6.150e4	4.822e4	1.28	NO	37.094	37.094
7	1,2,3,6,7,8-HxCDF	33.87	2.684e4	2.163e4	1.24	NO	14.134	14.134
8	Total Hexa-Furans	34.13	2.314e3	1.983e3	1.17	NO	1.4046	1.4046
9	2,3,4,6,7,8-HxCDF	34.43	1.065e4	8.247e3	1.29	NO	6.3316	6.3316
10	1,2,3,7,8-HxCDF	35.32	5.125e2	5.346e2	0.96	YES	0.39119	0.00000
11	Total Hexa-Furans	35.36	5.262e3	4.474e3	1.18	NO	3.1820	3.1820



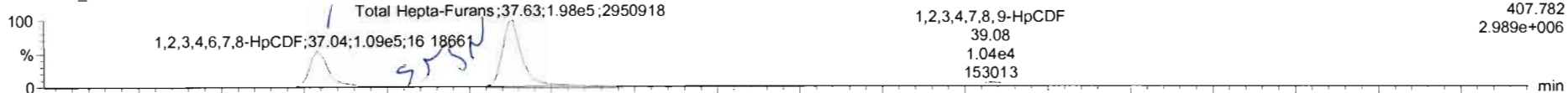
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Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_11, Date: 29-Jan-2020, Time: 23:16:07, ID: 1903650-06 PDI-088SC-B-02-04-191011 16.96, Description: PDI-088SC-B-02-04-191011

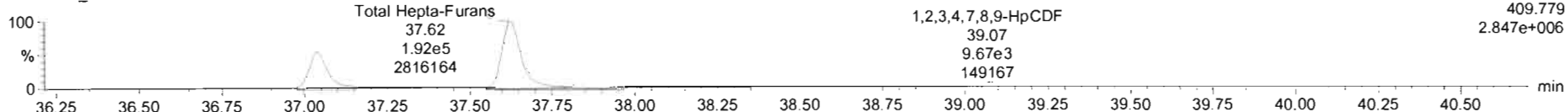
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200129K1_11



F4:Voltage SIR,EI+
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2.989e+006

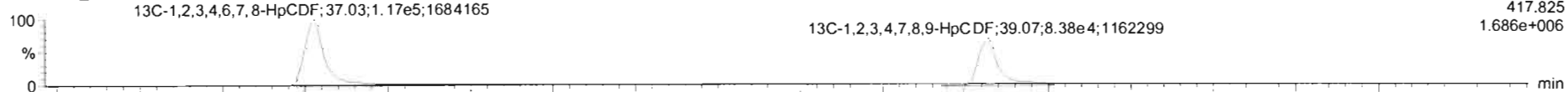
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2.847e+006

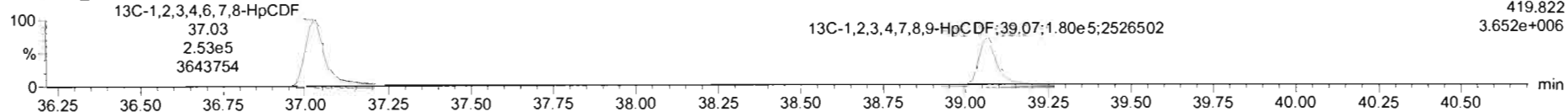
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200129K1_11



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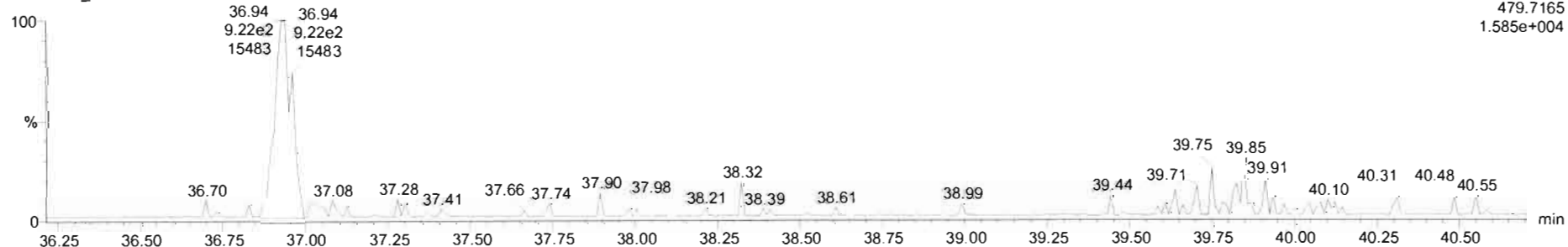
200129K1_11



F4:Voltage SIR,EI+
419.822
3.652e+006

DPE4

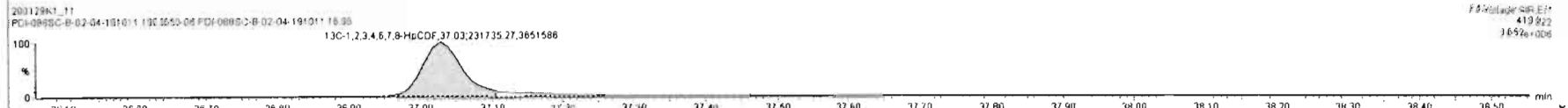
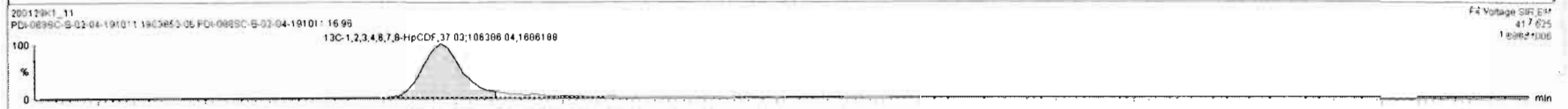
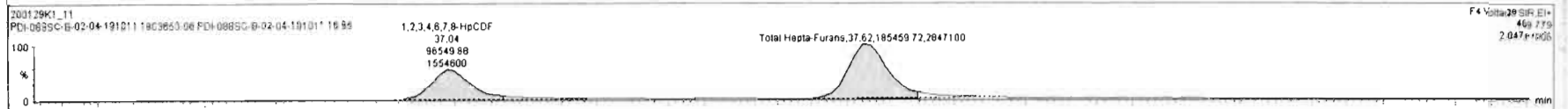
200129K1_11



F4:Voltage SIR,EI+
479.7165
1.585e+004

Name	Resp	RA	nY	RRF	WtVol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9431	10.005			11.4	0.195	12.5	
40 Total Penta-Dioxins				0.8974	10.005			18.9	0.170	19.3	
41 Total Hexa-Dioxins				1.0068	10.005			110	0.378	111	
42 Total Hepta-Dioxins				1.0622	10.005			747	2.04	747	
43 Total Tetra-Furans				0.9700	10.005			83.9	0.281	89.6	
44 1st Func. Penta-Furans				0.9580	10.005			39.0	0.0579	39.0	
45 Total Penta-Furans				0.9580	10.005			92.7	0.204	83.6	
46 Total Hexa-Furans				1.2131	10.005			159	0.350	160	
47 Total Hepta-Furans				1.1891	10.005			320	0.742	320	

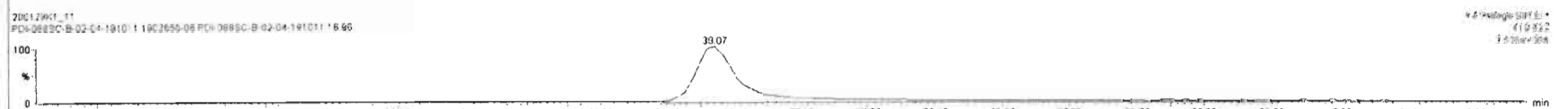
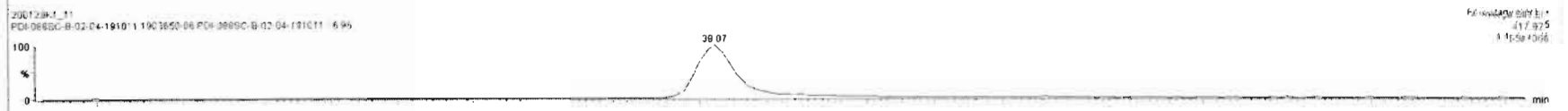
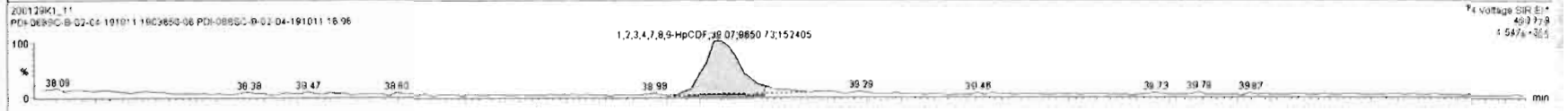
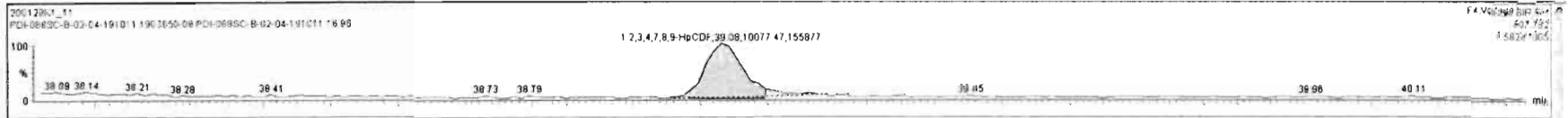
Name	RT	int Resp	n2 Resp	RA	nY	EMPC	Conc
1 1,2,3,4,6,7,8-HpCDF	37.04	1.010e5	9.855e4	1.05	NO	98.205	98.205
2 Total Hepta-Furans	37.62	1.925e5	1.855e5	1.04	NO	211.00	211.00
3 1,2,3,4,7,8,9-HpCDF	38.08	1.008e4	9.851e3	1.04	NO	10.744	10.744



200129K1_11 - 1902650-08.PDI-0885C-B-02-04-191011-16.99 - PDI-0885C-B-02-04-191011

Name	Resp	RA	n/y	RSE	wt/Avor	RT	RRT	Conc	%Rec	DL	EMPC
30 Total Tetra-Dioxins				0.9431	10.005			11.4	0.195	12.5	
40 Total Penta-Dioxins				0.8974	10.005			18.9	0.170	19.3	
41 Total Hexa-Dioxins				1.0068	10.005			110	0.378	111	
42 Total Hepta-Dioxins				1.0622	10.005			747	2.04	747	
43 Total Tetra-Furans				0.9700	10.005			83.9	0.281	89.6	
44 1st Func. Penta-Furans				0.8580	10.005			39.0	0.0579	39.0	
45 Total Penta-Furans				0.9590	10.005			82.7	0.204	83.6	
46 Total Hexa-Furans				1.2131	10.005			159	0.350	160	
47 Total Hepta-Furans				1.1891	10.005			320	0.742	320	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.04	1.010e5	9.855e4	1.05	NO	96.205	96.205
2 Total Hepta-Furans	37.63	1.925e5	1.855e5	1.04	NO	211.00	211.00
3 1,2,3,4,7,8,9-HpCDF	39.08	1.008e4	9.851e3	1.04	NO	10.744	10.744



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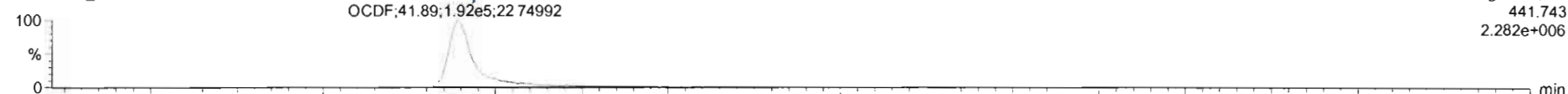
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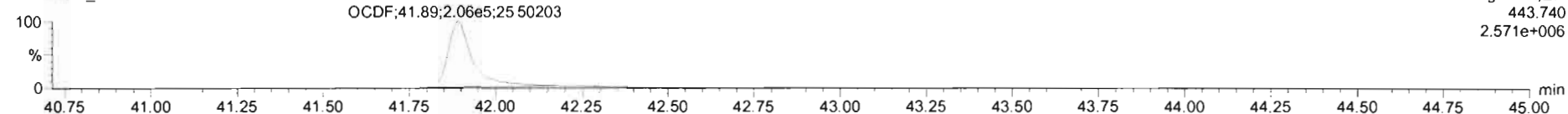
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OCDF

200129K1_11

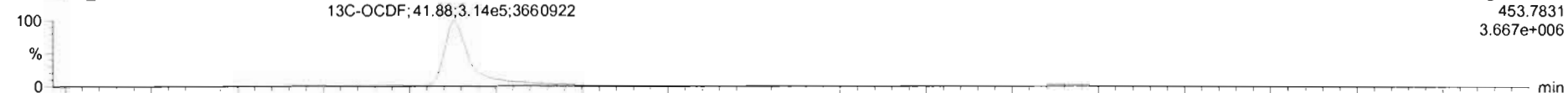


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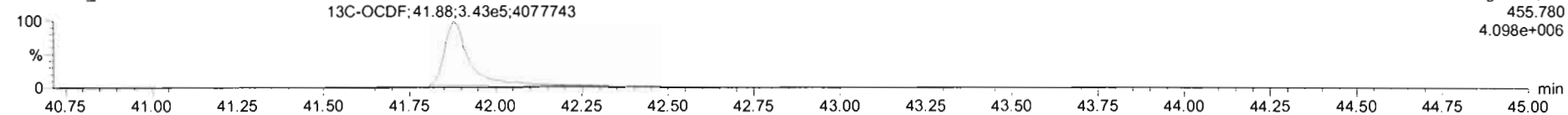


13C-OCDF

200129K1_11

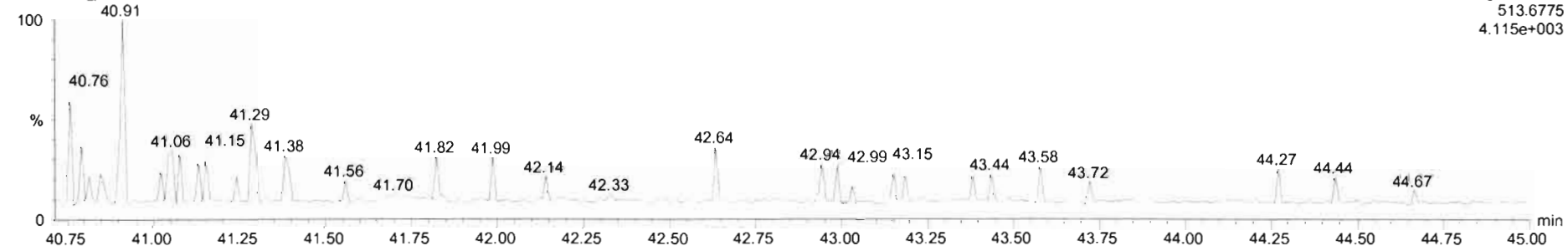


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DPE5

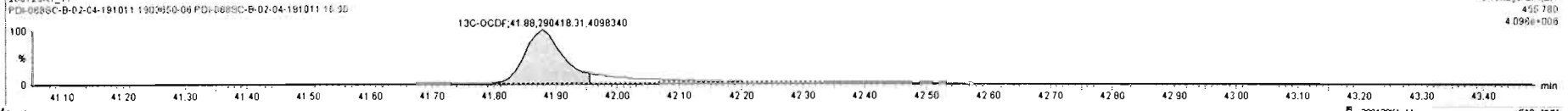
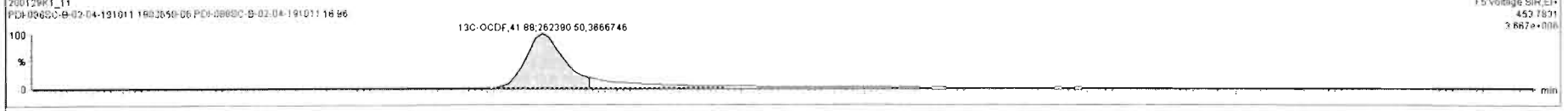
200129K1_11



200129K1_11 - 1902650-06 PDI-0885C-B-02-04-19-011 16-96 - FCI10% 5C-B-02-14-131011

Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
10 2,3,4,7,8-PCDF	5.45e4	1.71	NO	1.0074	10.005	30.95	1.001	18.4		0.189	18.4
11 1,2,3,4,7,8-HxCDF	1.07e5	1.24	NO	1.1632	10.005	33.75	1.000	36.3		0.324	36.3
12 1,2,3,6,7,8-HxCDF	5.04e4	1.14	NO	1.1431	10.005	33.87	1.001	14.7		0.307	14.7
13 1,2,3,4,6,7,8-HxCDF	1.92e4	1.36	NO	1.2131	10.005	34.43	1.000	6.44		0.365	6.44
14 1,2,3,7,8,9-HxCDF	1.05e4	1.13	NO	1.1349	10.005	35.36	1.002	4.42		0.498	4.42
15 1,2,3,4,6,7,8-HpCDF	2.13e5	1.04	NO	1.1891	10.005	37.04	1.000	97.0		0.818	97.0
16 1,2,3,4,7,8,9-HpCDF	2.01e4	1.07	NO	1.3896	10.005	39.00	1.000	10.9		0.772	10.9
17 OCDF	3.53e5	0.86	NO	1.0614	10.005	41.89	1.000	240		0.819	240
18 13C-2,3,7,8-TCDF	5.30e5	0.81	NO	1.1733	10.004	26.06	1.028	140	70.0	0.330	

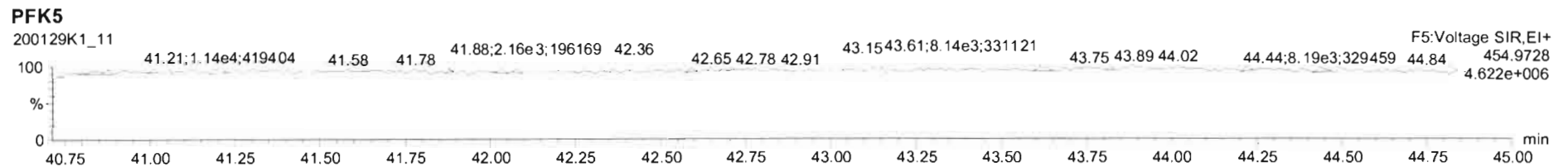
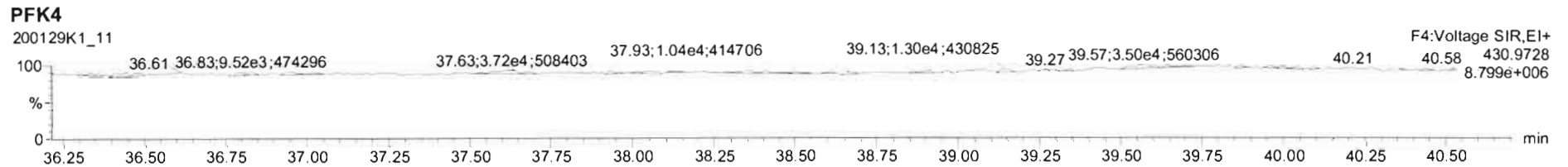
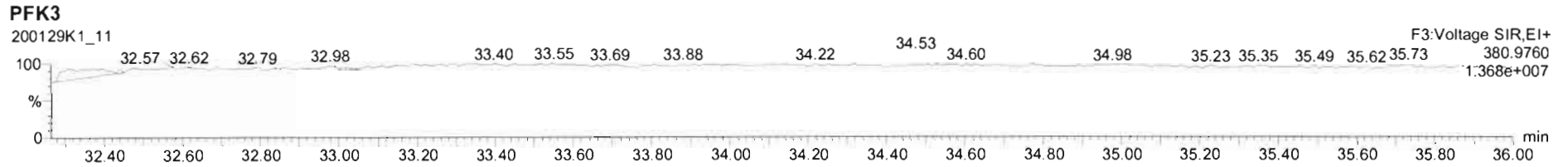
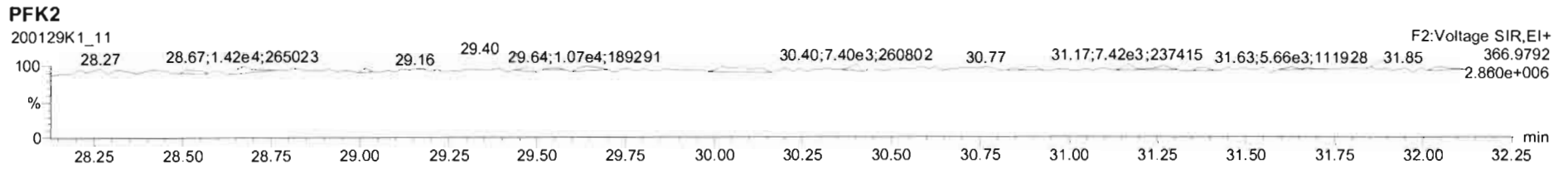
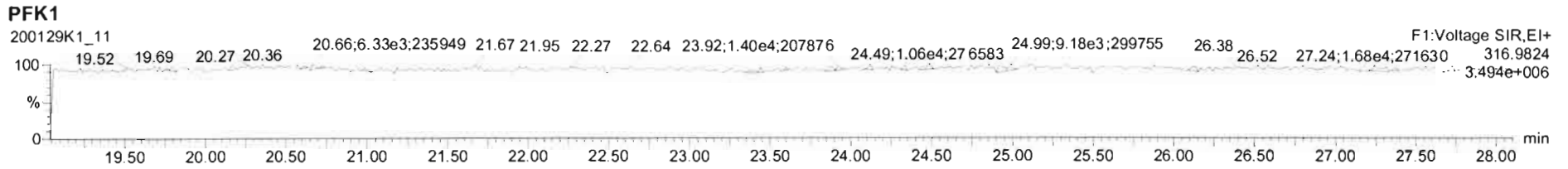
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
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Dataset: Untitled

Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time
Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_11, Date: 29-Jan-2020, Time: 23:16:07, ID: 1903650-06 PDI-088SC-B-02-04-191011 16.96, Description: PDI-088SC-B-02-04-191011



Dataset: U:\VG11.PRO\Results\200129K1\200129K1-5.qld

Last Altered: Wednesday, February 12, 2020 09:42:28 Pacific Standard Time

Printed: Wednesday, February 12, 2020 09:46:32 Pacific Standard Time

dy 02-12-2020 CT 02/13/2020

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_5, Date: 29-Jan-2020, Time: 18:26:06, ID: B0A0018-DUP1 Duplicate 17.02, Description: Duplicate

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	3159.332	0.678	NO	0.943	10.040	26.09	26.09	1.00	1.00	NO	1.732		0.213	1.732
2	2 1,2,3,7,8-PeCDD	1762.232	0.631	NO	0.897	10.040	31.25	31.25	1.00	1.00	NO	1.463		0.257	1.463
3	3 1,2,3,4,7,8-HxCDD	1157.552	1.064	NO	1.17	10.040	34.58	34.59	1.00	1.00	NO	1.124		0.578	1.124
4	4 1,2,3,6,7,8-HxCDD	7716.463	1.247	NO	1.01	10.040	34.67	34.69	1.00	1.00	NO	6.224		0.544	6.224
5	5 1,2,3,7,8,9-HxCDD	2751.159	1.029	YES	0.982	10.040	34.98	34.97	1.00	1.00	NO	2.560		0.705	2.336
6	6 1,2,3,4,6,7,8-HpCDD	143493.930	1.050	NO	1.06	10.040	38.44	38.44	1.00	1.00	NO	179.8		2.23	179.8
7	7 OCDD	2121489.3...	0.822	NO	1.04	10.040	41.67	41.68	1.00	1.00	NO	2678		3.42	2678
8	8 2,3,7,8-TCDF	19932.249	0.761	NO	0.970	10.040	25.09	25.10	1.00	1.00	NO	7.039	(6.35)	0.258	7.039
9	9 1,2,3,7,8-PeCDF	23698.890	1.494	NO	0.958	10.040	29.94	29.92	1.00	1.00	NO	10.71		0.204	10.71
10	10 2,3,4,7,8-PeCDF	5794.184	1.309	YES	1.01	10.040	30.93	30.93	1.00	1.00	NO	2.806		0.182	2.617
11	11 1,2,3,4,7,8-HxCDF	45571.932	1.313	NO	1.16	10.040	33.71	33.73	1.00	1.00	NO	23.59		0.384	23.59
12	12 1,2,3,6,7,8-HxCDF	23771.673	1.236	NO	1.14	10.040	33.84	33.85	1.00	1.00	NO	10.73		0.399	10.73
13	13 2,3,4,6,7,8-HxCDF	9481.148	1.235	NO	1.21	10.040	34.44	34.42	1.00	1.00	NO	5.314		0.446	5.314
14	14 1,2,3,7,8,9-HxCDF	484.032	1.176	NO	1.13	10.040	35.28	35.29	1.00	1.00	NO	0.3517		0.655	0.3517
15	15 1,2,3,4,6,7,8-HpCDF	79236.329	1.034	NO	1.19	10.040	37.05	37.03	1.00	1.00	NO	58.74		0.843	58.74
16	16 1,2,3,4,7,8,9-HpCDF	7022.499	0.969	NO	1.39	10.040	39.05	39.07	1.00	1.00	NO	7.368		1.11	7.368
17	17 OCDF	150260.149	0.874	NO	1.06	10.040	41.86	41.88	1.00	1.00	NO	145.3		0.943	145.3
18	18 13C-2,3,7,8-TCDD	385204.094	0.774	NO	1.17	10.040	26.04	26.06	1.03	1.03	NO	145.0	72.8	0.402	
19	19 13C-1,2,3,7,8-PeCDD	267383.203	0.638	NO	0.773	10.040	31.21	31.23	1.23	1.23	NO	152.7	76.7	0.388	
20	20 13C-1,2,3,4,7,8-HxCDD	175572.094	1.284	NO	0.600	10.040	34.57	34.57	1.01	1.01	NO	125.5	63.0	0.712	
21	21 13C-1,2,3,6,7,8-HxCDD	245285.320	1.289	NO	0.763	10.040	34.67	34.67	1.02	1.02	NO	137.8	69.2	0.560	
22	22 13C-1,2,3,7,8,9-HxCDD	218839.726	1.288	NO	0.676	10.040	34.94	34.94	1.02	1.02	NO	138.8	69.7	0.632	
23	23 13C-1,2,3,4,6,7,8-HpCDD	149655.219	1.005	NO	0.455	10.040	38.43	38.43	1.13	1.13	NO	141.0	70.8	1.09	
24	24 13C-OCDD	302329.422	0.907	NO	0.371	10.040	41.66	41.67	1.22	1.22	NO	349.1	87.6	1.57	
25	25 13C-2,3,7,8-TCDF	581526.704	0.769	NO	1.07	10.040	25.05	25.07	0.99	0.99	NO	134.1	67.3	0.514	
26	26 13C-1,2,3,7,8-PeCDF	460277.344	1.537	NO	0.765	10.040	29.90	29.92	1.18	1.18	NO	148.3	74.5	0.859	
27	27 13C-2,3,4,7,8-PeCDF	408316.688	1.562	NO	0.726	10.040	30.91	30.91	1.22	1.22	NO	138.6	69.6	0.905	
28	28 13C-1,2,3,4,7,8-HxCDF	330826.930	0.533	NO	0.965	10.040	33.71	33.71	0.99	0.99	NO	147.0	73.8	0.880	
29	29 13C-1,2,3,6,7,8-HxCDF	386192.703	0.533	NO	1.09	10.040	33.83	33.83	0.99	0.99	NO	151.4	76.0	0.777	
30	30 13C-2,3,4,6,7,8-HxCDF	292953.570	0.521	NO	0.984	10.040	34.40	34.41	1.01	1.01	NO	127.7	64.1	0.864	
31	31 13C-1,2,3,7,8,9-HxCDF	241575.578	0.505	NO	0.790	10.040	35.30	35.28	1.04	1.03	NO	131.0	65.8	1.07	

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-5.qld

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Name: 200129K1_5, Date: 29-Jan-2020, Time: 18:26:06, ID: B0A0018-DUP1 Duplicate 17.02, Description: Duplicate

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	225971.258	0.457	NO	0.734	10.040	37.01	37.02	1.09	1.09	NO	132.1	66.3	0.986	
33	33 13C-1,2,3,4,7,8,9-HpCDF	136628.680	0.425	NO	0.459	10.040	39.03	39.05	1.14	1.15	NO	127.7	64.1	1.58	
34	34 13C-OCDF	388058.016	0.907	NO	0.500	10.040	41.89	41.86	1.23	1.23	NO	332.6	83.5	1.17	
35	35 37Cl-2,3,7,8-TCDD	144442.406			1.12	10.040	26.06	26.08	1.03	1.03	NO	56.72	71.2	0.0790	
36	36 13C-1,2,3,4-TCDD	451147.782	0.826	NO	1.00	10.040	25.36	25.34	1.00	1.00	NO	199.2	100	0.472	
37	37 13C-1,2,3,4-TCDF	808123.094	0.794	NO	1.00	10.040	23.43	23.43	1.00	1.00	NO	199.2	100	0.550	
38	38 13C-1,2,3,4,6,9-HxCDF	464581.750	0.514	NO	1.00	10.040	34.10	34.10	1.00	1.00	NO	199.2	100	0.849	
39	39 Total Tetra-Dioxins				0.943	10.040	24.62		0.00		NO	14.51		0.213	16.22
40	40 Total Penta-Dioxins				0.897	10.040	29.96		0.00		NO	17.54		0.257	18.02
41	41 Total Hexa-Dioxins				1.01	10.040	33.63		0.00		NO	82.39		0.628	85.33
42	42 Total Hepta-Dioxins				1.06	10.040	38.80		0.00		NO	474.7		2.23	474.7
43	43 Total Tetra-Furans				0.970	10.040	23.61		0.00		NO	46.81		0.258	50.68
44	44 1st Func. Penta-Furans				0.958	10.040	27.04		0.00		NO	35.01		0.0722	35.01
45	45 Total Penta-Furans				0.958	10.040	29.27		0.00		NO	44.57		0.203	51.07
46	46 Total Hexa-Furans				1.21	10.040	33.56		0.00		NO	128.0		0.436	128.0
47	47 Total Hepta-Furans				1.19	10.040	37.83		0.00		NO	230.4		1.02	230.4

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-5.qld

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Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_5, Date: 29-Jan-2020, Time: 18:26:06, ID: B0A0018-DUP1 Duplicate 17.02, Description: Duplicate

Tetra-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	39 Total Tetra-Dioxins	1.72e4	3.85e5	0.821	NO	24.62	21.75	9.433	9.433
2	39 Total Tetra-Dioxins	3.05e3	3.85e5	0.762	NO	24.62	22.15	1.674	1.674
3	39 Total Tetra-Dioxins	1.42e3	3.85e5	0.757	NO	24.62	22.65	0.7794	0.7794
4	39 Total Tetra-Dioxins	0.00e0	3.85e5	0.920	YES	24.62	23.92	0.0000	0.4589
5	39 Total Tetra-Dioxins	1.22e3	3.85e5	0.820	NO	24.62	24.18	0.6706	0.6706
6	39 Total Tetra-Dioxins	3.94e2	3.85e5	0.882	NO	24.62	24.41	0.2162	0.2162
7	39 Total Tetra-Dioxins	0.00e0	3.85e5	0.957	YES	24.62	24.91	0.0000	0.2566
8	39 Total Tetra-Dioxins	0.00e0	3.85e5	0.980	YES	24.62	25.77	0.0000	0.6406
9	1 2,3,7,8-TCDD	3.16e3	3.85e5	0.678	NO	26.09	26.09	1.732	1.732
10	39 Total Tetra-Dioxins	0.00e0	3.85e5	0.632	YES	24.62	23.61	0.0000	0.3597

Penta-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	40 Total Penta-Dioxins	7.46e3	2.67e5	0.666	NO	29.96	28.97	6.194	6.194
2	40 Total Penta-Dioxins	1.47e3	2.67e5	0.595	NO	29.96	29.48	1.217	1.217
3	40 Total Penta-Dioxins	4.43e3	2.67e5	0.657	NO	29.96	29.98	3.679	3.679
4	40 Total Penta-Dioxins	1.84e3	2.67e5	0.653	NO	29.96	30.16	1.530	1.530
5	40 Total Penta-Dioxins	1.18e3	2.67e5	0.604	NO	29.96	30.24	0.9831	0.9831
6	40 Total Penta-Dioxins	2.61e3	2.67e5	0.680	NO	29.96	30.44	2.164	2.164
7	2 1,2,3,7,8-PeCDD	1.76e3	2.67e5	0.631	NO	31.25	31.25	1.463	1.463
8	40 Total Penta-Dioxins	0.00e0	2.67e5	0.807	YES	29.96	31.63	0.0000	0.4737
9	40 Total Penta-Dioxins	3.76e2	2.67e5	0.713	NO	29.96	30.83	0.3119	0.3119

Vista Analytical Laboratory

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Name: 200129K1_5, Date: 29-Jan-2020, Time: 18:26:06, ID: B0A0018-DUP1 Duplicate 17.02, Description: Duplicate

Hexa-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	41 Total Hexa-Dioxins	3.76e4	0.00e0	1.241	NO	33.63	33.12	34.93	34.93
2	41 Total Hexa-Dioxins	4.45e3	0.00e0	1.278	NO	33.63	33.67	4.126	4.126
3	41 Total Hexa-Dioxins	3.88e4	0.00e0	1.301	NO	33.63	33.93	35.99	35.99
4	3 1,2,3,4,7,8-HxCDD	1.16e3	1.76e5	1.064	NO	34.58	34.59	1.124	1.124
5	4 1,2,3,6,7,8-HxCDD	7.72e3	2.45e5	1.247	NO	34.67	34.69	6.224	6.224
6	41 Total Hexa-Dioxins	0.00e0	0.00e0	0.870	YES	33.63	34.87	0.0000	0.6037
7	5 1,2,3,7,8,9-HxCDD	2.75e3	2.19e5	1.029	YES	34.98	34.97	0.0000	2.336

Hepta-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	42 Total Hepta-Dioxins	2.35e5	1.50e5	1.044	NO	38.80	37.40	294.9	294.9
2	6 1,2,3,4,6,7,8-HpCDD	1.43e5	1.50e5	1.050	NO	38.44	38.44	179.8	179.8

Vista Analytical Laboratory

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Tetra-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	43 Total Tetra-Furans	2.39e3	5.82e5	0.712	NO	23.61	19.70	0.8442	0.8442
2	43 Total Tetra-Furans	4.82e3	5.82e5	0.793	NO	23.61	20.21	1.701	1.701
3	43 Total Tetra-Furans	2.38e4	5.82e5	0.808	NO	23.61	20.79	8.407	8.407
4	43 Total Tetra-Furans	6.53e3	5.82e5	0.774	NO	23.61	21.29	2.306	2.306
5	43 Total Tetra-Furans	1.61e4	5.82e5	0.808	NO	23.61	21.70	5.681	5.681
6	43 Total Tetra-Furans	1.35e4	5.82e5	0.741	NO	23.61	22.16	4.765	4.765
7	43 Total Tetra-Furans	2.09e3	5.82e5	0.806	NO	23.61	22.32	0.7368	0.7368
8	43 Total Tetra-Furans	3.02e3	5.82e5	0.773	NO	23.61	22.50	1.066	1.066
9	43 Total Tetra-Furans	6.01e2	5.82e5	0.721	NO	23.61	23.00	0.2123	0.2123
10	43 Total Tetra-Furans	1.36e3	5.82e5	0.825	NO	23.61	23.14	0.4800	0.4800
11	43 Total Tetra-Furans	1.17e4	5.82e5	0.765	NO	23.61	23.34	4.117	4.117
12	43 Total Tetra-Furans	4.86e3	5.82e5	0.843	NO	23.61	23.43	1.717	1.717
13	43 Total Tetra-Furans	1.96e4	5.82e5	0.781	NO	23.61	24.04	6.931	6.931
14	43 Total Tetra-Furans	1.28e3	5.82e5	0.777	NO	23.61	24.38	0.4524	0.4524
15	43 Total Tetra-Furans	5.33e2	5.82e5	0.687	NO	23.61	24.64	0.1881	0.1881
16	43 Total Tetra-Furans	0.00e0	5.82e5	1.261	YES	23.61	24.85	0.0000	0.1692
17	43 Total Tetra-Furans	0.00e0	5.82e5	1.175	YES	23.61	24.98	0.0000	0.7845
18	8 2,3,7,8-TCDF	1.99e4	5.82e5	0.761	NO	25.09	25.10	7.039	7.039
19	43 Total Tetra-Furans	0.00e0	5.82e5	0.958	YES	23.61	25.51	0.0000	1.037
20	43 Total Tetra-Furans	4.77e2	5.82e5	0.822	NO	23.61	25.75	0.1686	0.1686
21	43 Total Tetra-Furans	0.00e0	5.82e5	0.997	YES	23.61	27.27	0.0000	1.874

Penta-Furans function 1

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	44 1st Func. Penta-Fura...	7.31e4	0.00e0	1.605	NO	27.04	27.27	35.01	35.01

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-5.qld

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Penta-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	45 Total Penta-Furans	2.15e3	0.00e0	1.596	NO	29.27	28.77	1.027	1.027
2	45 Total Penta-Furans	0.00e0	0.00e0	1.390	NO	29.27	28.87	0.0000	3.393
3	45 Total Penta-Furans	1.08e4	0.00e0	1.618	NO	29.27	29.54	5.179	5.179
4	45 Total Penta-Furans	2.60e3	0.00e0	1.476	NO	29.27	29.74	1.245	1.245
5	9 1,2,3,7,8-PeCDF	2.37e4	4.60e5	1.494	NO	29.94	29.92	10.71	10.71
6	45 Total Penta-Furans	1.05e4	0.00e0	1.498	NO	29.27	30.20	5.004	5.004
7	45 Total Penta-Furans	0.00e0	0.00e0	2.983	YES	29.27	30.83	0.0000	0.1745
8	10 2,3,4,7,8-PeCDF	5.79e3	4.08e5	1.309	YES	30.93	30.93	0.0000	2.617
9	45 Total Penta-Furans	0.00e0	0.00e0	2.166	YES	29.27	31.85	0.0000	0.3103
10	45 Total Penta-Furans	3.20e4	0.00e0	1.606	NO	29.27	28.93	15.33	15.33
11	45 Total Penta-Furans	1.27e4	0.00e0	1.589	NO	29.27	30.95	6.081	6.081

Hexa-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	46 Total Hexa-Furans	1.62e4	0.00e0	1.298	NO	33.56	32.57	8.488	8.488
2	46 Total Hexa-Furans	4.65e4	0.00e0	1.213	NO	33.56	32.74	24.42	24.42
3	46 Total Hexa-Furans	1.31e3	0.00e0	1.162	NO	33.56	33.09	0.6899	0.6899
4	46 Total Hexa-Furans	9.47e4	0.00e0	1.241	NO	33.56	33.28	49.71	49.71
5	46 Total Hexa-Furans	1.49e3	0.00e0	1.357	NO	33.56	33.63	0.7833	0.7833
6	11 1,2,3,4,7,8-HxCDF	4.56e4	3.31e5	1.313	NO	33.71	33.73	23.59	23.59
7	12 1,2,3,6,7,8-HxCDF	2.38e4	3.86e5	1.236	NO	33.84	33.85	10.73	10.73
8	46 Total Hexa-Furans	2.66e3	0.00e0	1.404	NO	33.56	34.12	1.394	1.394
9	13 2,3,4,6,7,8-HxCDF	9.48e3	2.93e5	1.235	NO	34.44	34.42	5.314	5.314
10	14 1,2,3,7,8,9-HxCDF	4.84e2	2.42e5	1.176	NO	35.28	35.29	0.3517	0.3517
11	46 Total Hexa-Furans	4.87e3	0.00e0	1.181	NO	33.56	35.33	2.555	2.555

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Hepta-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	15 1,2,3,4,6,7,8-HpCDF	7.92e4	2.26e5	1.034	NO	37.05	37.03	58.74	58.74
2	47 Total Hepta-Furans	1.78e5	0.00e0	1.049	NO	37.83	37.61	164.3	164.3
3	16 1,2,3,4,7,8,9-HpCDF	7.02e3	1.37e5	0.969	NO	39.05	39.07	7.368	7.368

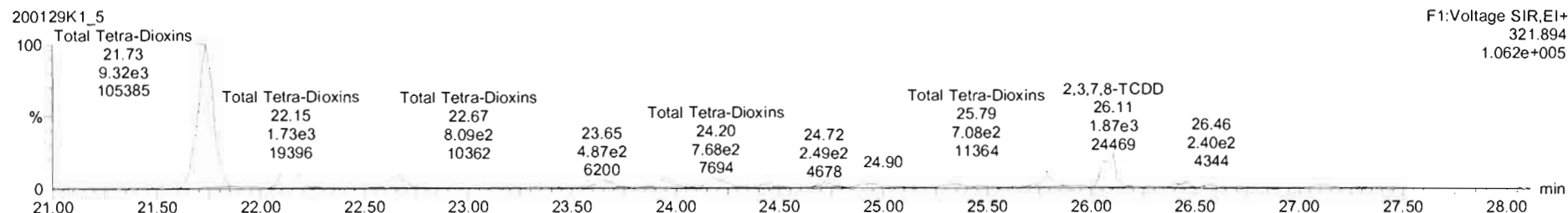
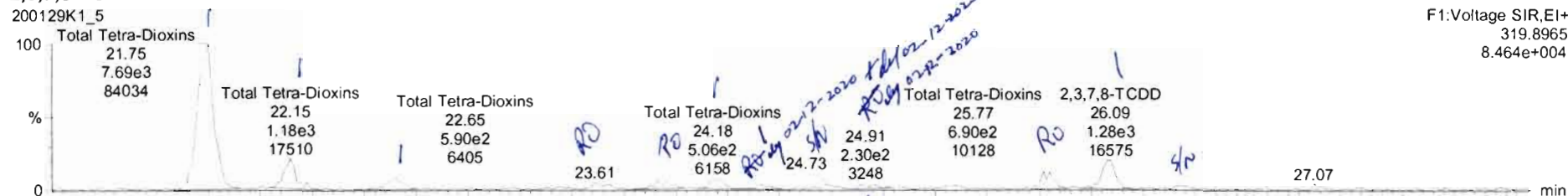
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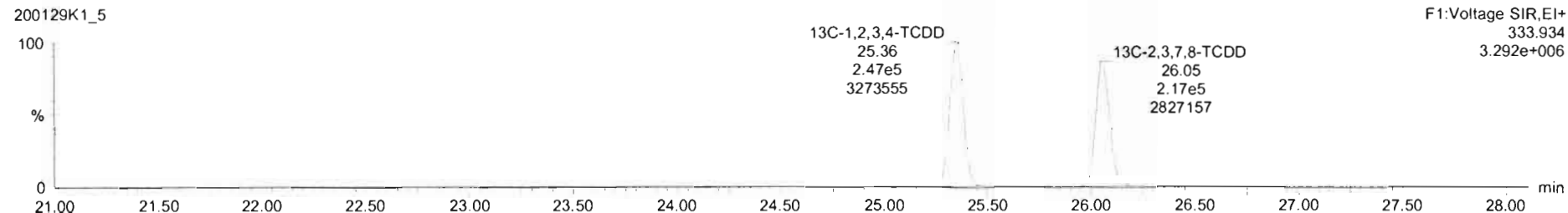
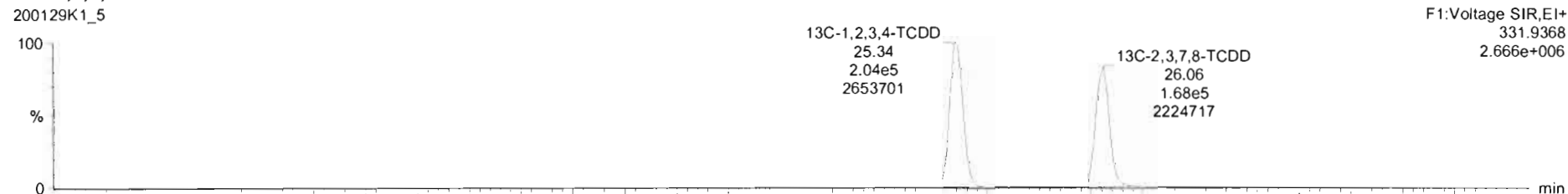
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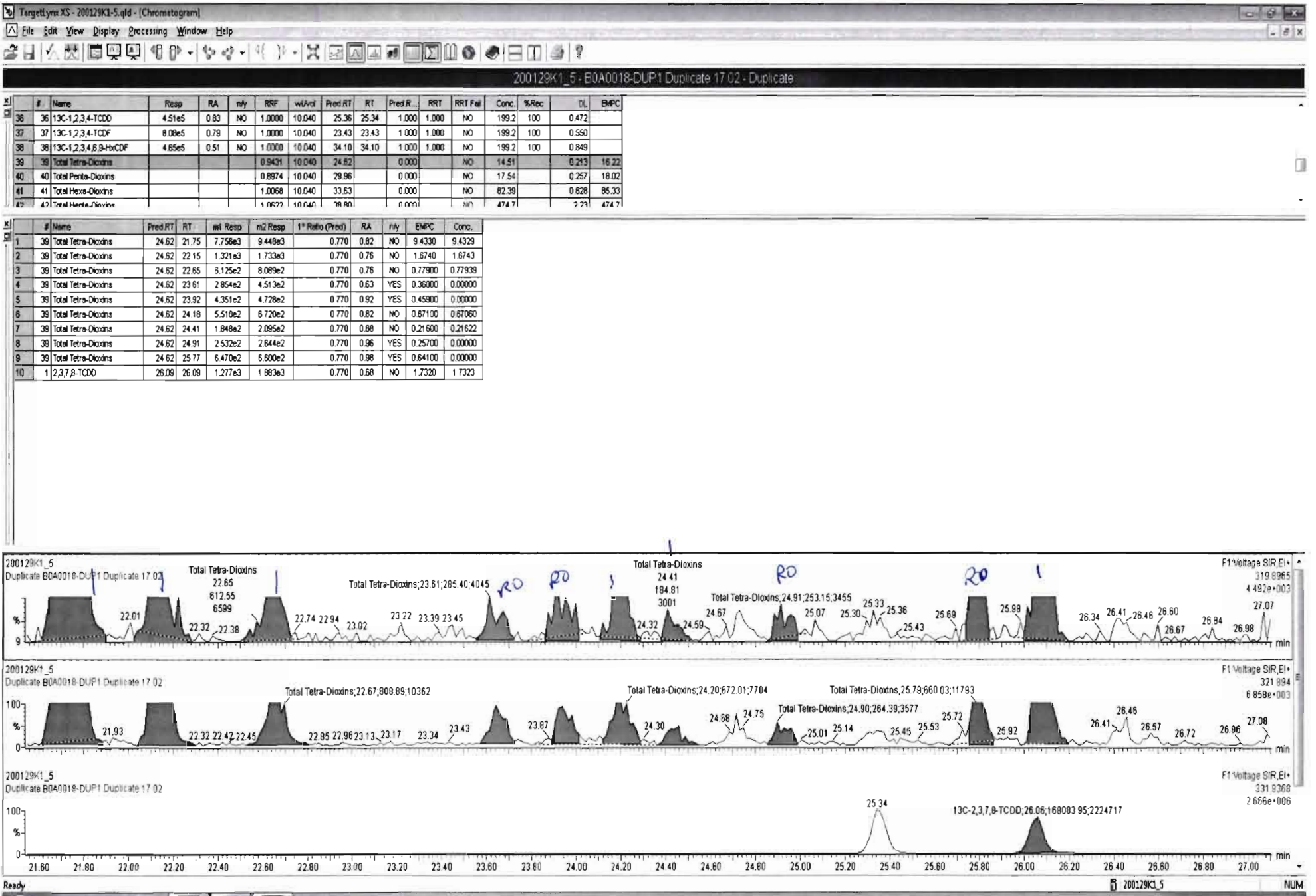
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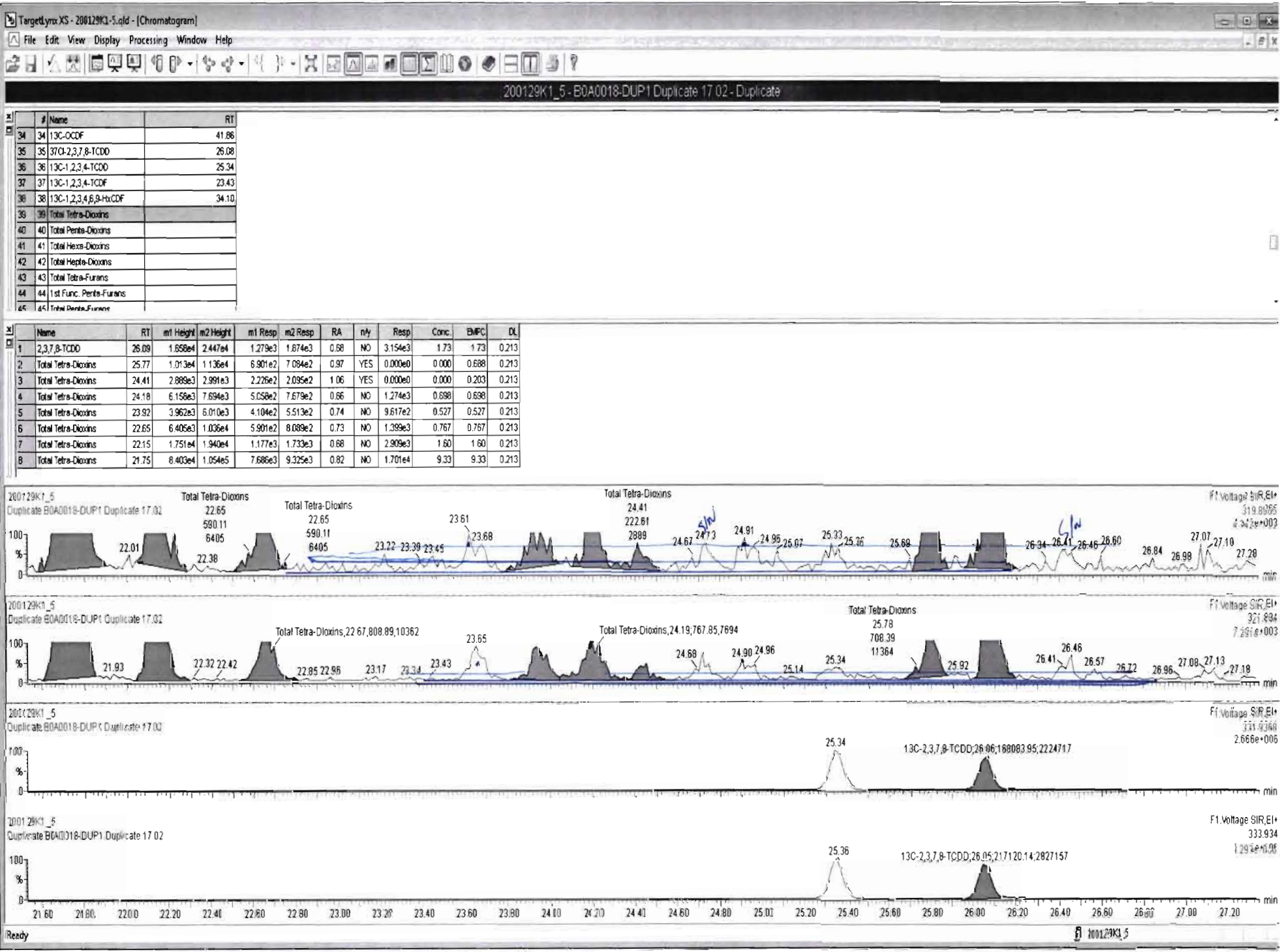
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13C-2,3,7,8-TCDD







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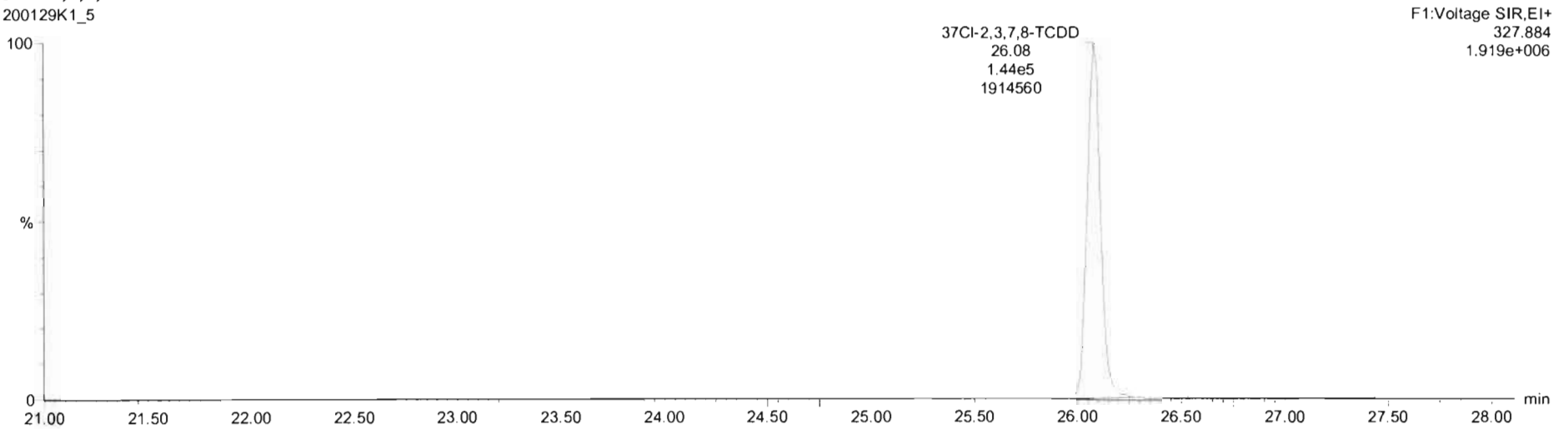
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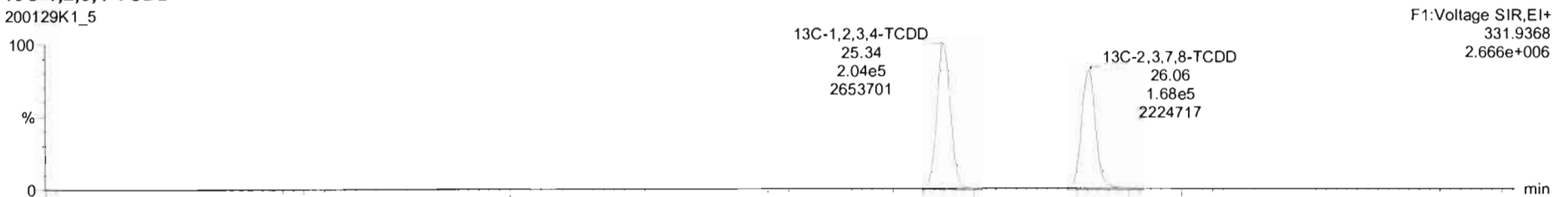
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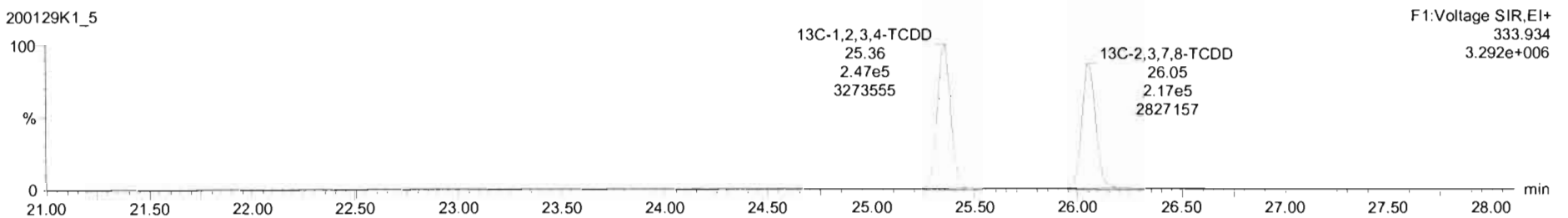


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200129K1_5

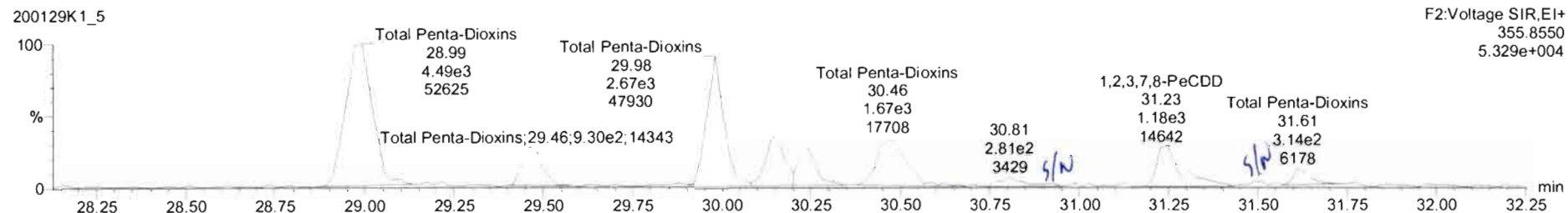
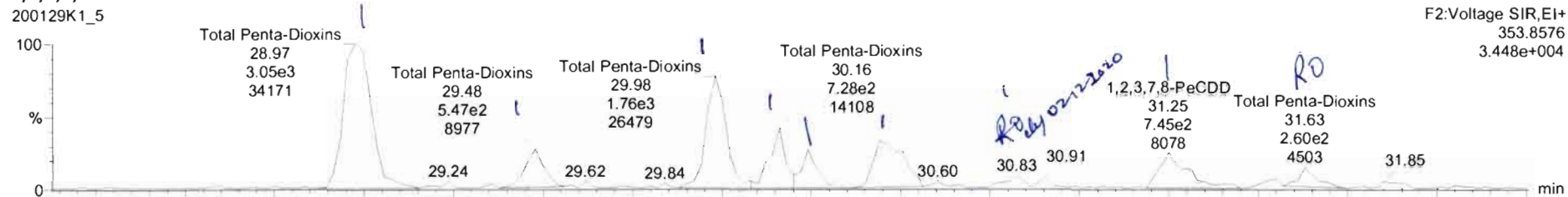


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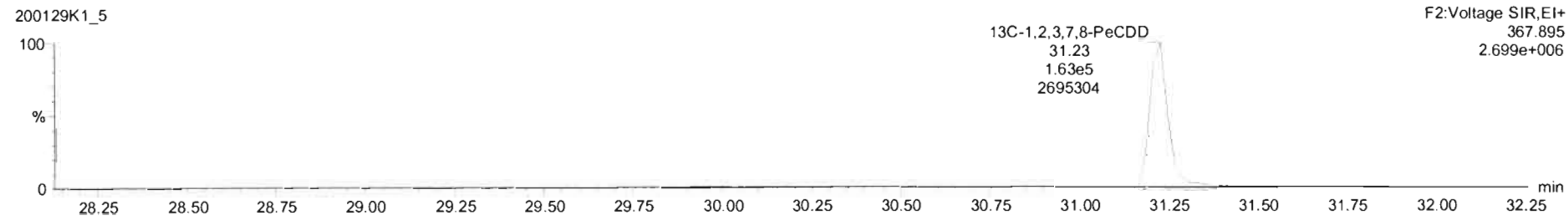
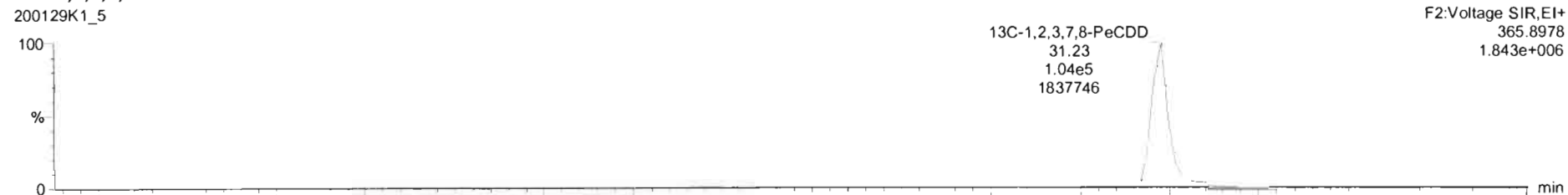
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Name: 200129K1_5, Date: 29-Jan-2020, Time: 18:26:06, ID: B0A0018-DUP1 Duplicate 17.02, Description: Duplicate

1,2,3,7,8-PeCDD



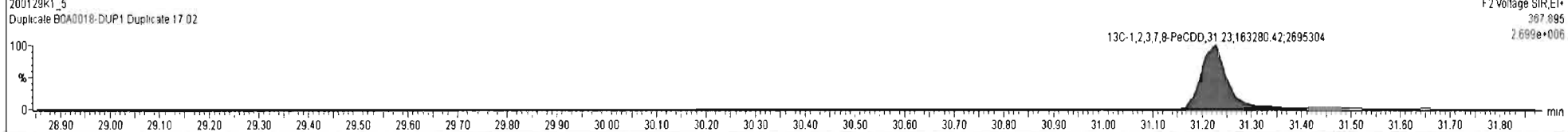
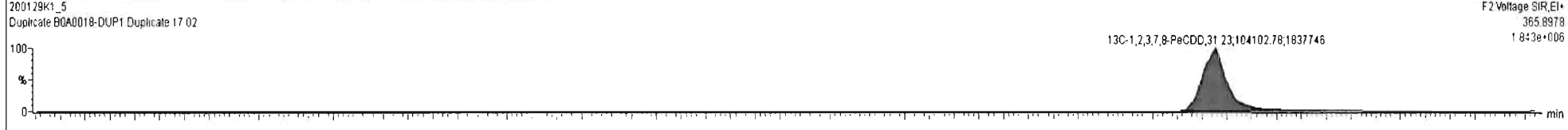
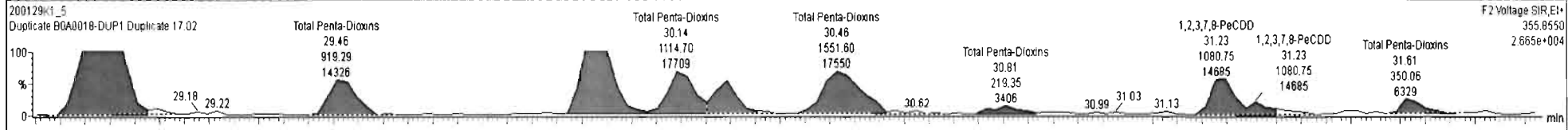
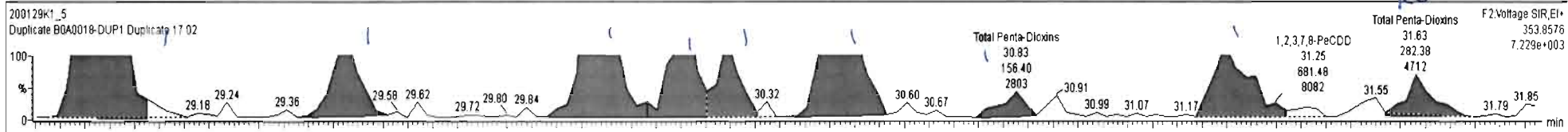
13C-1,2,3,7,8-PeCDD



200129K1_5 - E040018-DUP1 Duplicate 17.02 - Duplicate

#	Name	Resp	RA	n/y	RRF	wtAvcl	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
37	13C-1,2,3,4-TCDF	8.08e5	0.79	NO	1.0000	10.040	23.43	23.43	1.000	1.000	NO	199.2	100	0.550	
38	13C-1,2,3,4,6,9-HxCDF	4.65e5	0.51	NO	1.0000	10.040	34.10	34.10	1.000	1.000	NO	199.2	100	0.849	
39	Total Tetra-Dioxins				0.9431	10.040	24.62		0.000		NO	14.51		0.213	16.22
40	Total Penta-Dioxins				0.8974	10.040	29.96		0.000		NO	17.54		0.257	18.02
41	Total Hexa-Dioxins				1.0068	10.040	33.63		0.000		NO	63.42		0.626	87.31
42	Total Hepta-Dioxins				1.0622	10.040	38.80		0.000		NO	478.8		2.23	486.8
43	Total Tetra-Furans				0.9700	10.040	23.61		0.000		NO	40.66		0.258	48.77

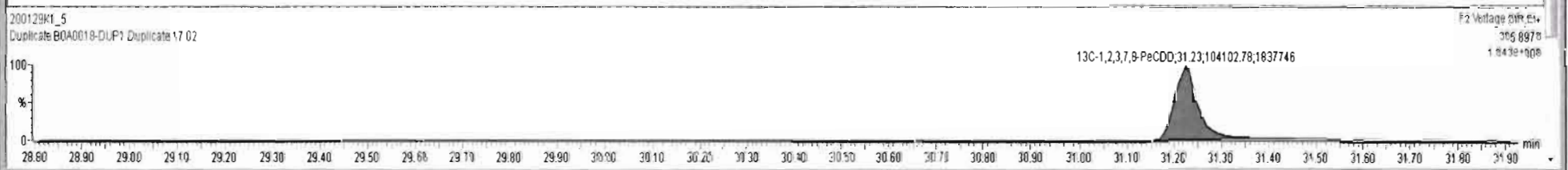
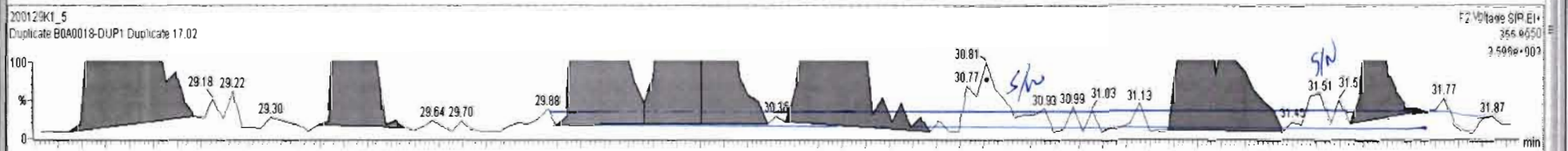
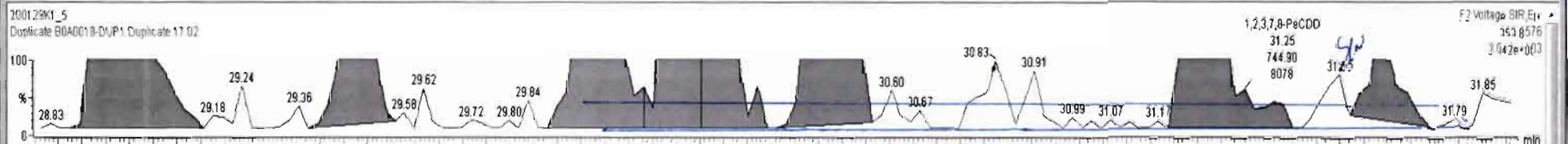
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	40 Total Penta-Dioxins	29.96	29.97	2.983e3	4.479e3	0.630	0.67	NO	6.1940	6.1940
2	40 Total Penta-Dioxins	29.96	29.48	5.470e2	9.193e2	0.630	0.60	NO	1.2173	1.2173
3	40 Total Penta-Dioxins	29.96	29.38	1.757e3	2.675e3	0.630	0.66	NO	3.6787	3.6787
4	40 Total Penta-Dioxins	29.96	30.16	7.262e2	1.115e3	0.630	0.65	NO	1.5299	1.5299
5	40 Total Penta-Dioxins	29.96	30.24	4.460e2	7.383e2	0.630	0.60	NO	0.98309	0.98309
6	40 Total Penta-Dioxins	29.96	30.44	1.056e3	1.552e3	0.630	0.68	NO	2.1644	2.1644
7	40 Total Penta-Dioxins	29.96	30.83	1.564e2	2.194e2	0.630	0.71	NO	0.31193	0.31193
8	2 1,2,3,7,8-PeCDD	31.25	31.25	6.815e2	1.061e3	0.630	0.63	NO	1.4629	1.4629
9	40 Total Penta-Dioxins	29.96	31.63	2.824e2	3.501e2	0.630	0.81	YES	0.47368	0.00000



200129K1_5 - B0A0018-DUP1 Duplicate 17.02 - Duplicate

#	Name	Resp	IS Resp	IS#	RA	nly	RRF	wtAvol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
37	13C-1,2,3,4-TCDF	8.08e5	8.08e5	37	0.79	NO		10.040	23.43	23.43	1.000	1.000	NO	199.2	100	0.550	
38	13C-1,2,3,4,6,8-HxCDF	4.65e5	4.65e5	38	0.51	NO		10.040	34.10	34.10	1.000	1.000	NO	199.2	100	0.849	
39	Total Tetra-Dioxins		3.95e5					10.040	24.62			0.000	NO	14.61		0.213	16.14
40	Total Penta-Dioxins		2.67e5					10.040	29.96			0.000	NO	17.60		0.257	18.03
41	Total Hexa-Dioxins		0.00e0					10.040	33.63			0.000	NO	83.42		0.628	87.31
42	Total Hepta-Dioxins		1.50e5					10.040	38.80			0.000	NO	476.8		2.23	486.8
43	Total Tetra-Furans		5.82e5					10.040	23.61			0.000	NO	40.68		0.258	48.77
44	1st Func. Penta-Furans		0.00e0					10.040	27.04			0.000	NO	34.27		0.0722	34.27
45	Total Penta-Furans		0.00e0					10.040	29.27			0.000	NO	50.73		0.203	51.21
46	Total Hexa-Furans		0.00e0					10.040	33.56			0.000	NO	126.3		0.436	127.4
47	Total Hepta-Furans		0.00e0					10.040	37.83			0.000	NO	231.2		1.02	232.1

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	nly	EMPC	Conc.
1	40 Total Penta-Dioxins	29.96	29.98	3.050e3	4.492e3	0.630	0.68	NO	6.2615	6.2615
2	40 Total Penta-Dioxins	29.96	29.48	5.470e2	9.298e2	0.630	0.59	NO	1.2260	1.2260
3	40 Total Penta-Dioxins	29.96	29.98	1.757e3	2.675e3	0.630	0.96	NO	3.6787	3.6787
4	40 Total Penta-Dioxins	29.96	30.16	7.282e2	1.115e3	0.630	0.65	NO	1.5299	1.5299
5	40 Total Penta-Dioxins	29.96	30.24	4.890e2	7.768e2	0.630	0.63	NO	1.0511	1.0511
6	40 Total Penta-Dioxins	29.96	30.44	1.058e3	1.665e3	0.630	0.63	NO	2.2589	2.2589
7	2 1,2,3,7,8-PeCDD	31.25	31.25	7.448e2	1.181e3	0.630	0.63	NO	1.5987	1.5987
8	40 Total Penta-Dioxins	29.96	31.63	2.601e2	3.141e2	0.630	0.83	YES	0.42499	0.00000



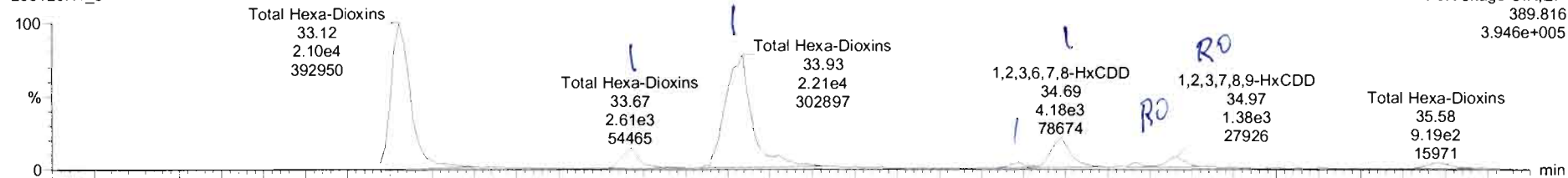
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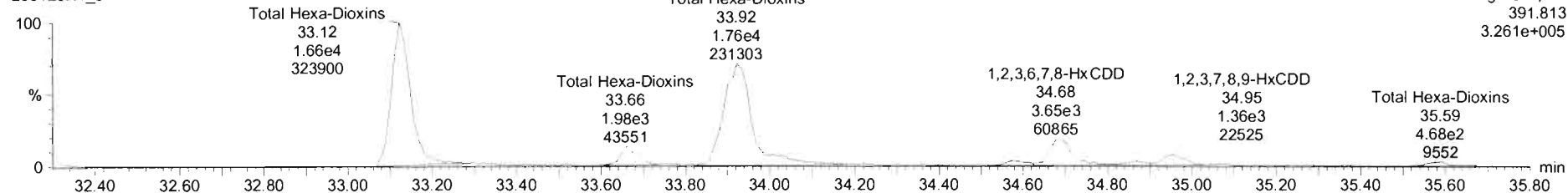
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1,2,3,4,7,8-HxCDD

200129K1_5

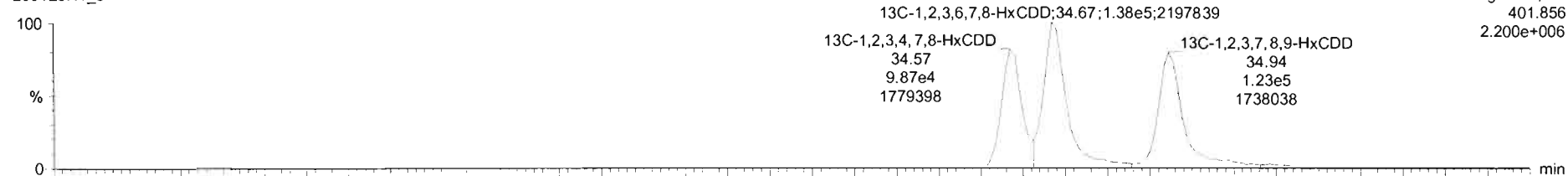


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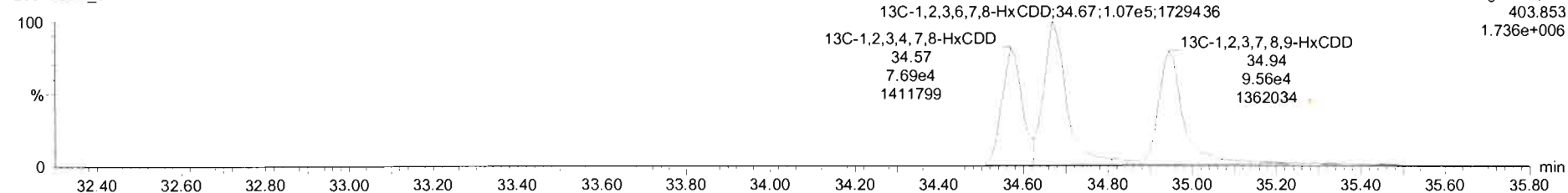


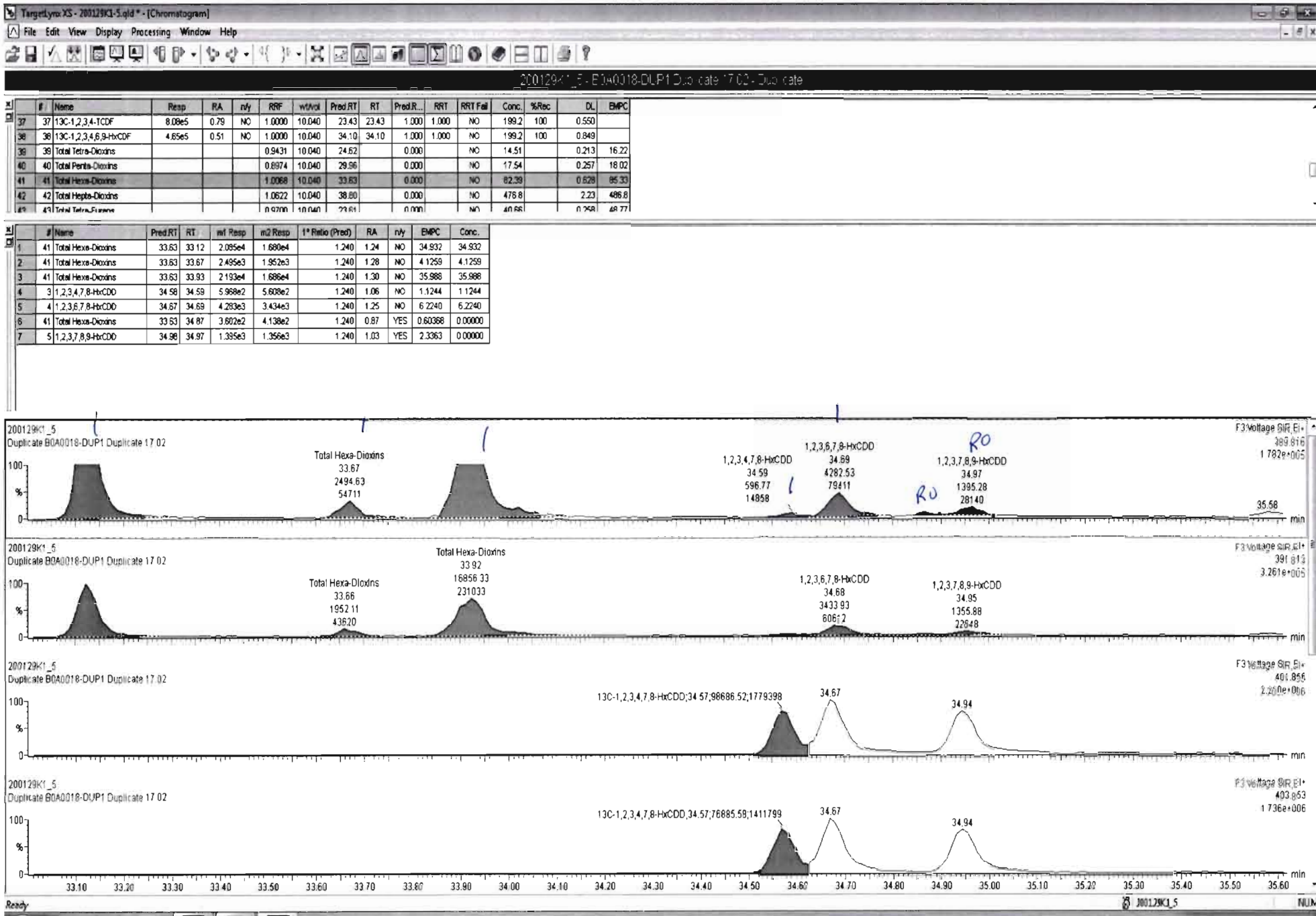
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200129K1_5



200129K1_5





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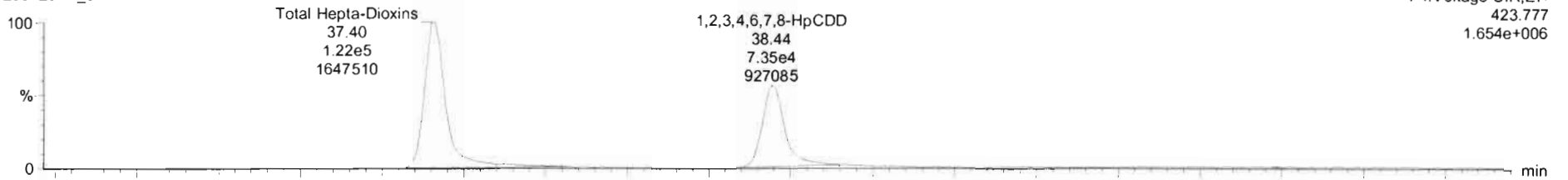
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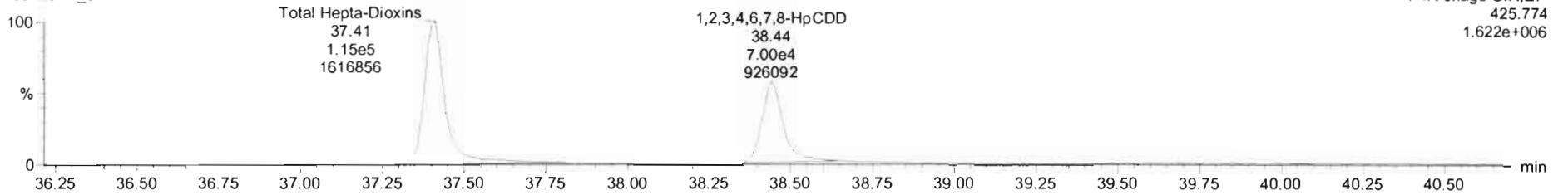
1,2,3,4,6,7,8-HpCDD

200129K1_5



F4:Voltage SIR,EI+
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1.654e+006

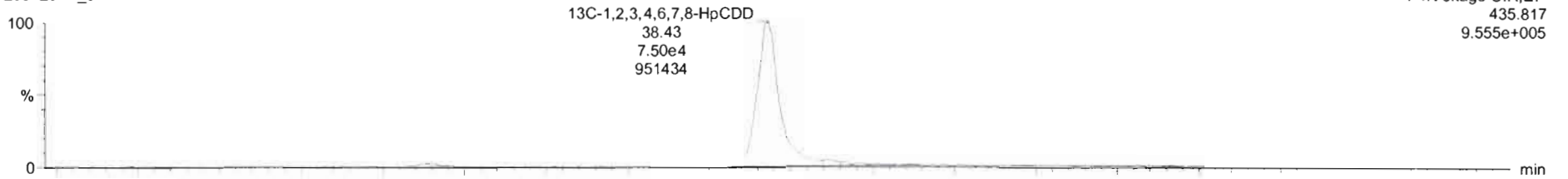
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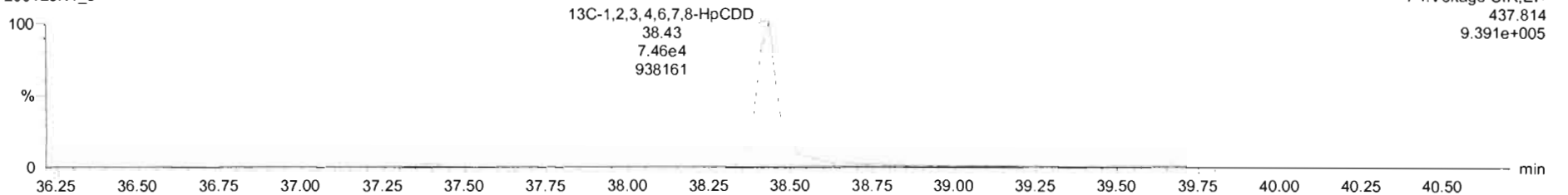
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200129K1_5



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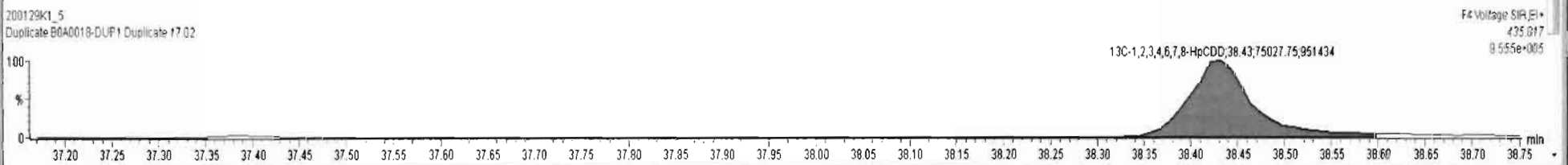
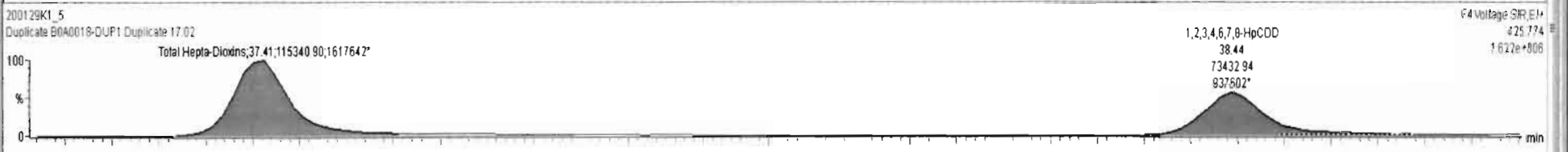
200129K1_5



F4:Voltage SIR,EI+
437.814
9.391e+005

#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wtVol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
37	13C-1,2,3,4-TCDF	8.08e5	8.08e5	37	0.79	NO		10.040	23.43	23.43	1.000	1.000	NO	199.2	100	0.550	
38	13C-1,2,3,4,6,9-hxCDF	4.65e5	4.65e5	38	0.51	NO		10.040	34.10	34.10	1.000	1.000	NO	198.2	100	0.849	
39	Total Tetra-Dioxins		3.85e5					10.040	24.62			0.000	NO	14.61		0.213	18.14
40	Total Penta-Dioxins		2.67e5					10.040	29.96			0.000	NO	17.36		0.257	18.18
41	Total Hexa-Dioxins		0.00e0					10.040	33.63			0.000	NO	88.99		0.628	90.05
42	Total Hepta-Dioxins		1.50e5					10.040	38.80			0.000	NO	507.7		2.23	507.7
43	Total Tetra-Furans		5.82e5					10.040	23.61			0.000	NO	40.65		0.258	48.77
44	1st Func. Penta-Furans		0.00e0					10.040	27.04			0.000	NO	34.27		0.0722	34.27
45	Total Penta-Furans		0.00e0					10.040	29.27			0.000	NO	50.73		0.203	51.21
46	Total Hexa-Furans		0.00e0					10.040	33.56			0.000	NO	126.3		0.436	127.4
47	Total Hepta-Furans		0.00e0					10.040	37.83			0.000	NO	231.2		1.02	232.1

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.
1	42 Total Hepta-Dioxins	38.80	37.40	1.280e5	1.212e5	1.040	1.06	NO	312.22	312.22
2	6 1,2,3,4,6,7,8-HpCDD	38.44	38.44	7.965e4	7.632e4	1.040	1.04	NO	195.45	195.45

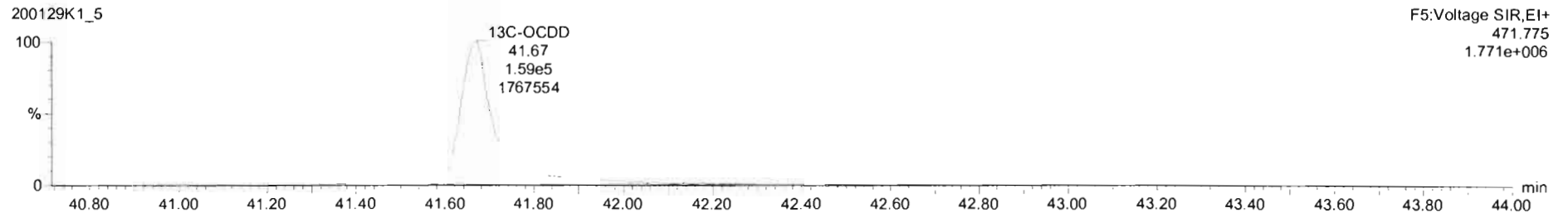
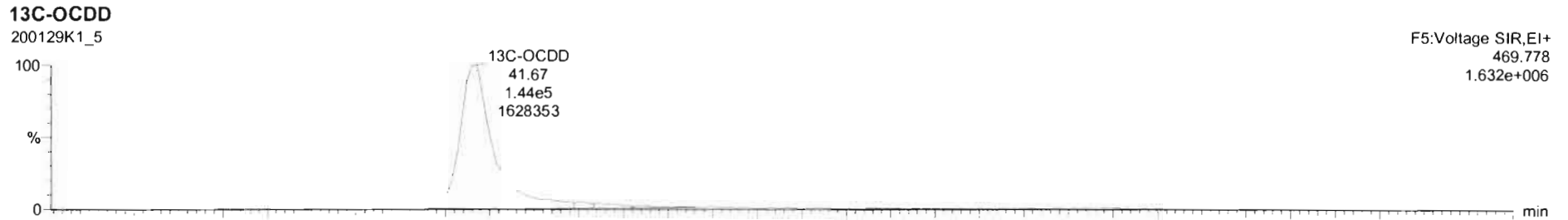
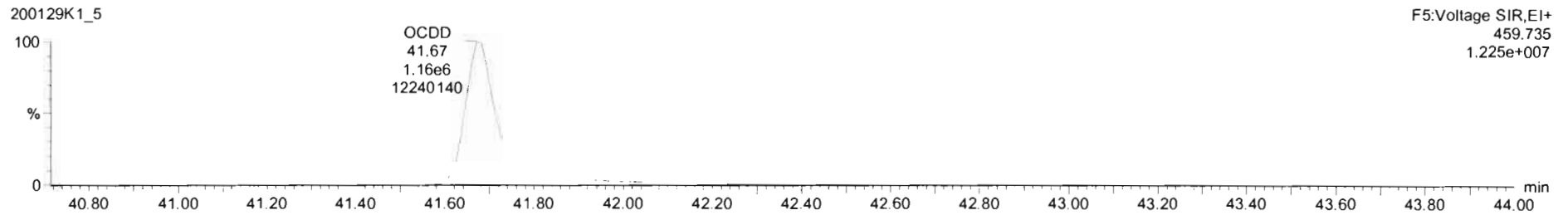
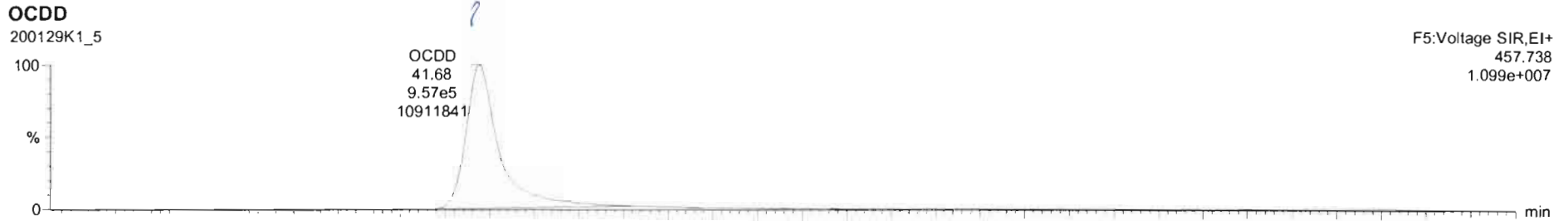


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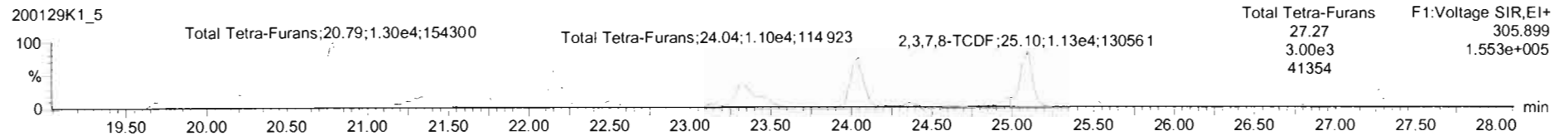
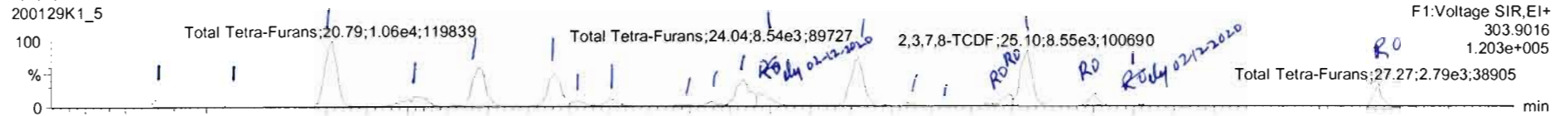


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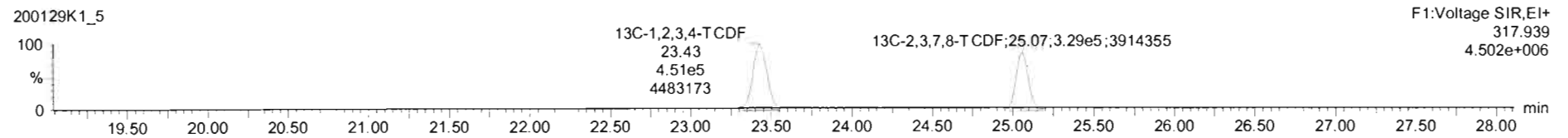
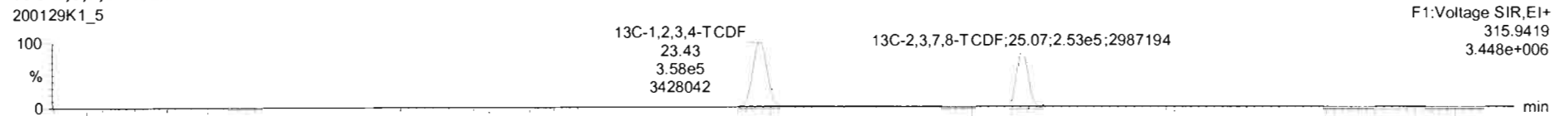
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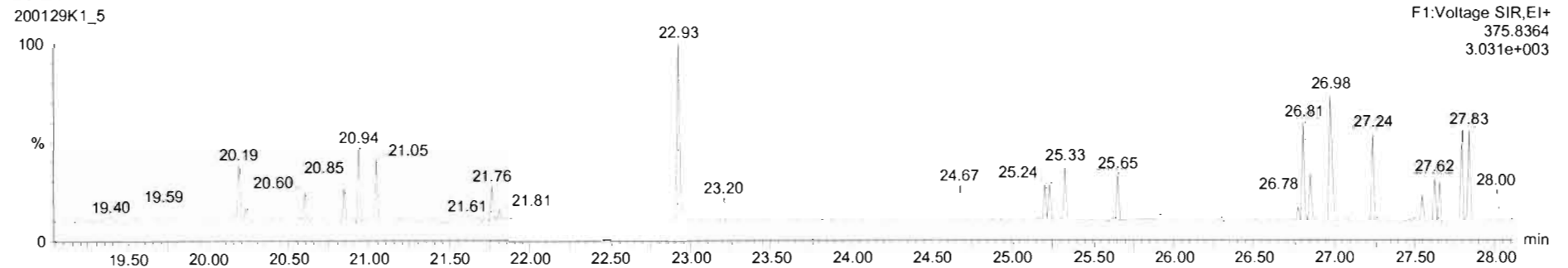
2,3,7,8-TCDF



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



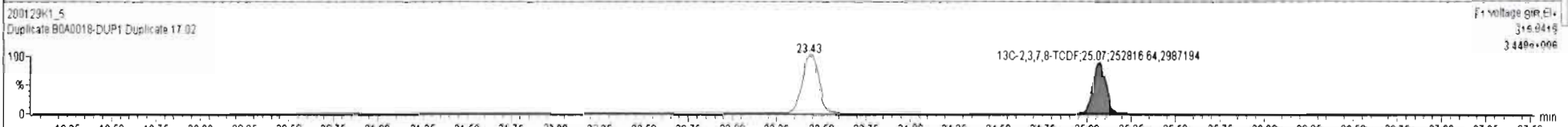
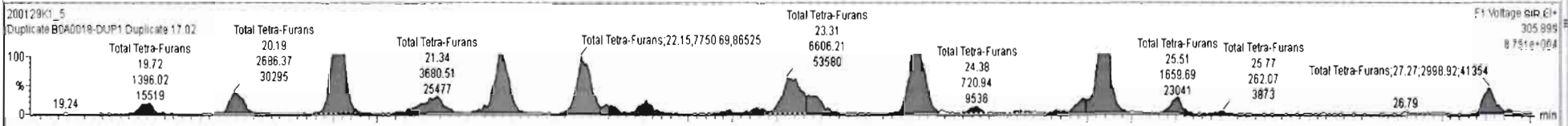
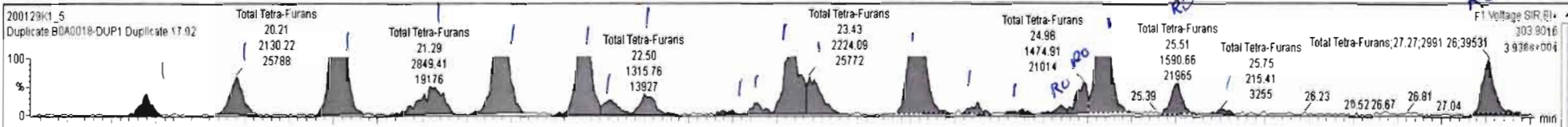
DPE1



200129K1_5 - B0A0018-DUP1 Duplicate 17.02 - Duplicate

#	Name	Resp	RA	nly	RRF	wt/vol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
43	Total Tetra-Furans				0.9700	10.040	23.81		0.000		NO	42.51		0.258	50.88
44	1st Func. Penta-Furans				0.9580	10.040	27.04		0.000		NO	34.27		0.0722	34.27
45	Total Penta-Furans				0.9580	10.040	29.27		0.000		NO	44.57		0.203	51.07
46	Total Hexa-Furans				1.2131	10.040	33.56		0.000		NO	126.3		0.436	127.4
47	Total Hepta-Furans				1.1891	10.040	37.83		0.000		NO	231.2		1.02	232.1
48	PFK1														

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	43 Total Tetra-Furans	23.81	19.70	9.946e2	1.396e3	0.770	0.71	NO	0.84418	0.84418
2	43 Total Tetra-Furans	23.81	20.21	2.130e3	2.686e3	0.770	0.79	NO	1.7009	1.7009
3	43 Total Tetra-Furans	23.81	20.79	1.054e4	1.316e4	0.770	0.81	NO	8.4070	8.4070
4	43 Total Tetra-Furans	23.81	21.29	2.849e3	3.681e3	0.770	0.77	NO	2.3059	2.3059
5	43 Total Tetra-Furans	23.81	21.70	7.191e3	8.895e3	0.770	0.81	NO	5.6807	5.6807
6	43 Total Tetra-Furans	23.81	22.16	5.743e3	7.751e3	0.770	0.74	NO	4.7650	4.7650
7	43 Total Tetra-Furans	23.81	22.32	9.312e2	1.155e3	0.770	0.81	NO	0.73683	0.73683
8	43 Total Tetra-Furans	23.81	22.50	1.316e3	1.702e3	0.770	0.77	NO	1.0658	1.0658
9	43 Total Tetra-Furans	23.81	23.00	2.519e2	3.494e2	0.770	0.72	NO	0.21233	0.21233
10	43 Total Tetra-Furans	23.81	23.14	6.143e2	7.448e2	0.770	0.82	NO	0.47996	0.47996
11	43 Total Tetra-Furans	23.81	23.34	5.052e3	6.606e3	0.770	0.76	NO	4.1169	0.00000
12	43 Total Tetra-Furans	23.81	23.43	2.224e3	2.638e3	0.770	0.84	NO	1.7168	1.7168
13	43 Total Tetra-Furans	23.81	24.04	8.609e3	1.102e4	0.770	0.78	NO	6.9309	6.9309
14	43 Total Tetra-Furans	23.81	24.38	5.602e2	7.209e2	0.770	0.78	NO	0.45239	0.45239
15	43 Total Tetra-Furans	23.81	24.64	2.170e2	3.156e2	0.770	0.69	NO	0.18808	0.00000
16	43 Total Tetra-Furans	23.81	24.85	3.413e2	2.707e2	0.770	1.26	YES	0.16921	0.00000
17	43 Total Tetra-Furans	23.81	24.98	1.475e3	1.255e3	0.770	1.18	YES	0.78449	0.00000
18	8 2,3,7,8-TCDF	25.09	25.10	8.610e3	1.132e4	0.770	0.75	NO	7.0387	7.0387
19	43 Total Tetra-Furans	23.81	25.51	1.591e3	1.860e3	0.770	0.96	YES	1.0374	0.00000
20	43 Total Tetra-Furans	23.81	25.75	2.154e2	2.621e2	0.770	0.82	NO	0.16861	0.16861
21	43 Total Tetra-Furans	23.81	27.02	2.991e3	2.999e3	0.770	1.00	YES	1.8744	0.00000



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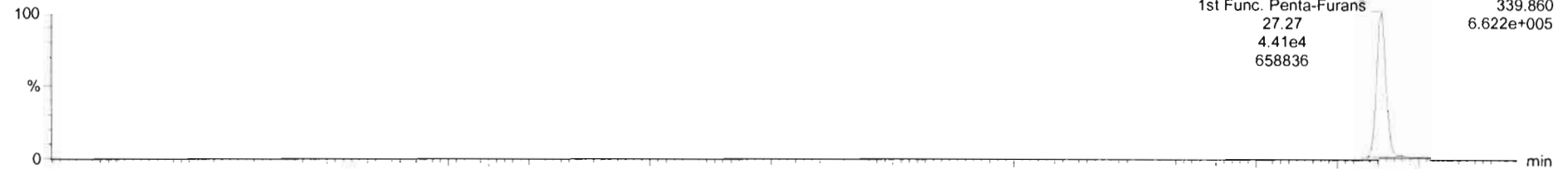
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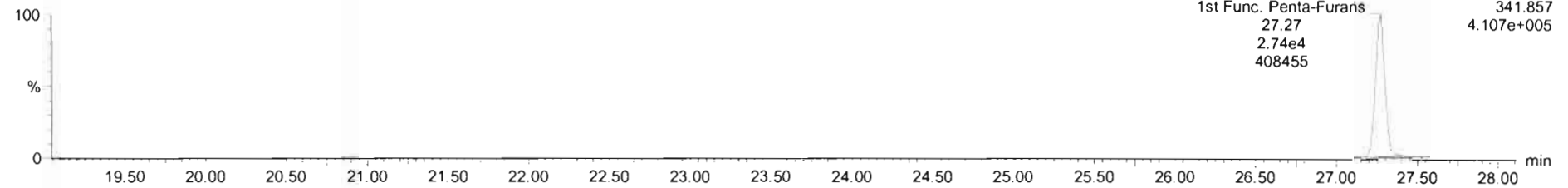
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1st Func. Penta-Furans

200129K1_5

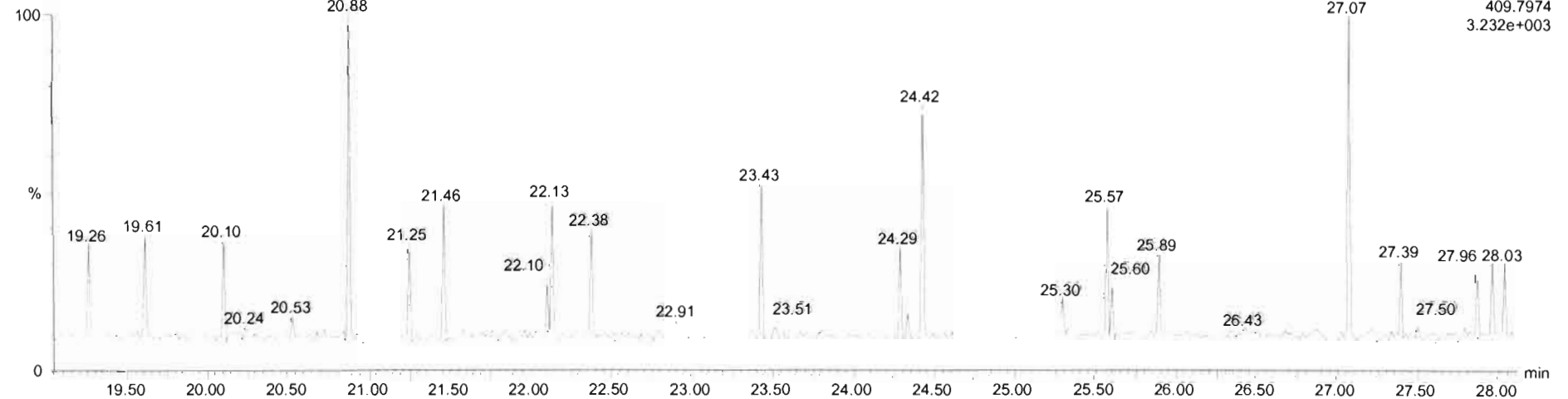


200129K1_5



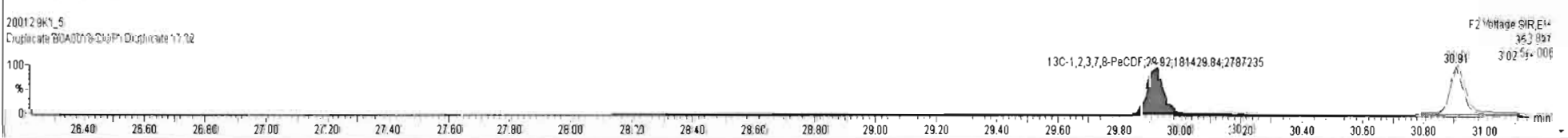
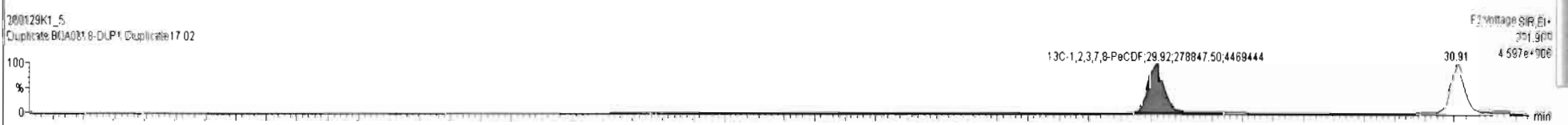
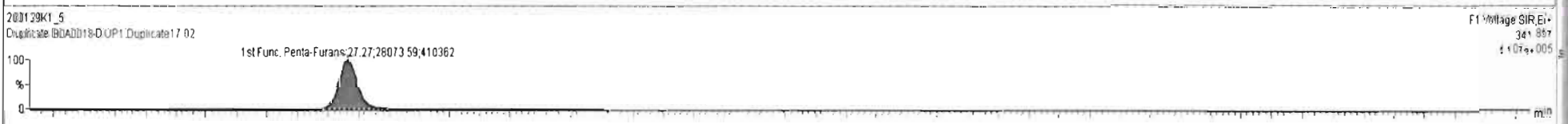
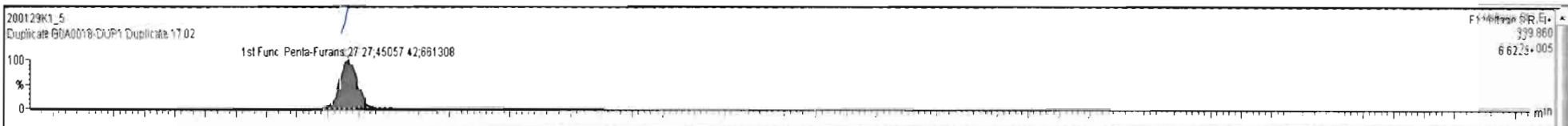
DPE6

200129K1_5



#	Name	Resp	RA	n/y	RRF	wtVol	Pred RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
43	Total Tetra-Furans				0.8700	10.040	23.61		0.000		NO	46.81		0.258	50.98
44	1st Func. Penta-Furans				0.9580	10.040	27.04		0.000		NO	35.01		0.0722	35.01
45	Total Penta-Furans				0.9580	10.040	29.27		0.000		NO	44.57		0.203	51.07
46	Total Hexa-Furans				1.2131	10.040	33.56		0.000		NO	126.3		0.436	127.4
47	Total Hepta-Furans				1.1891	10.040	37.83		0.000		NO	231.2		1.02	232.1
48	PFK1														

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	44 1st Func. Penta-Furans	27.04	27.27	4.506e4	2.807e4	1.550	1.61	NO	35.011	35.011

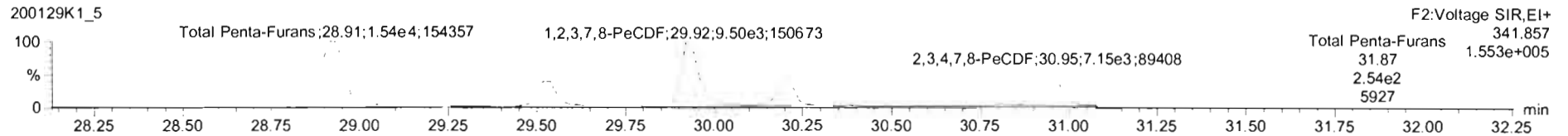
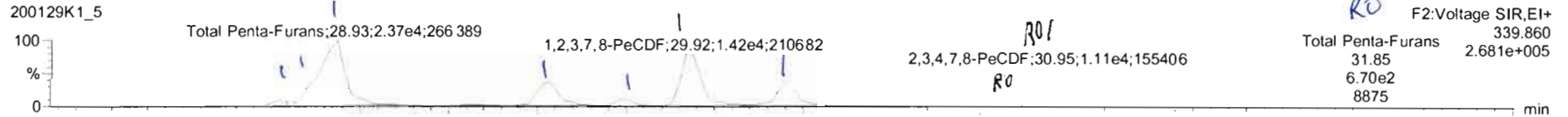


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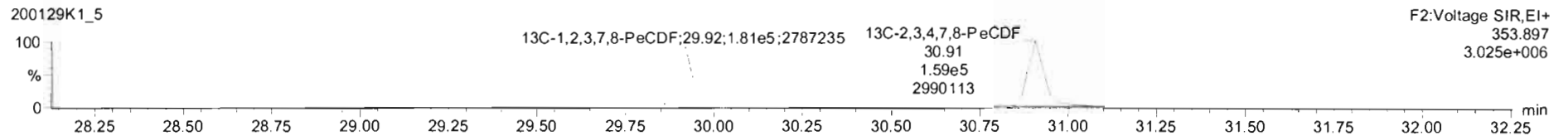
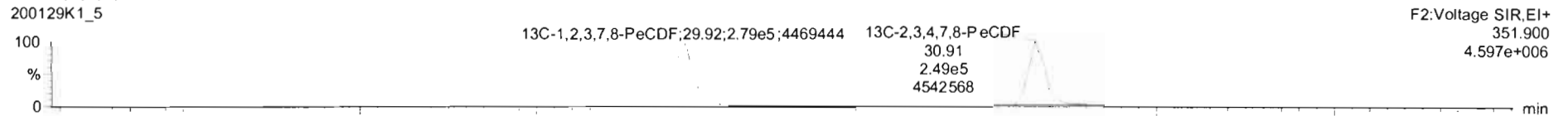
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Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_5, Date: 29-Jan-2020, Time: 18:26:06, ID: B0A0018-DUP1 Duplicate 17.02, Description: Duplicate

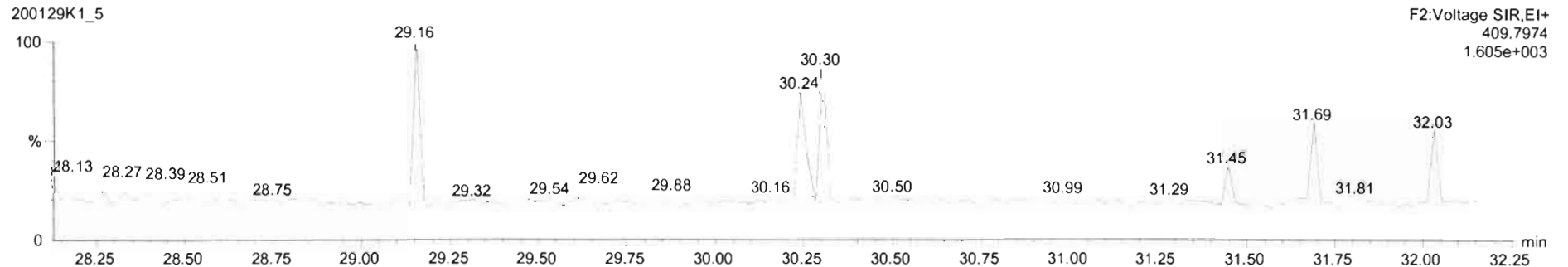
1,2,3,7,8-PeCDF



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



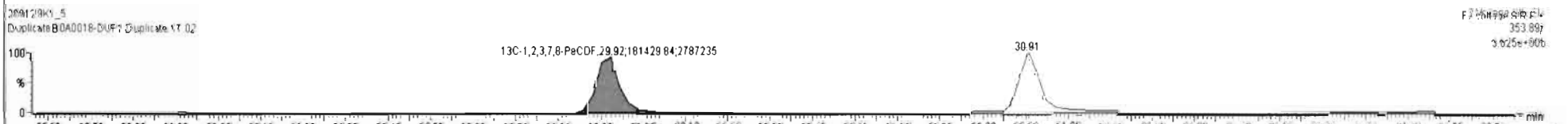
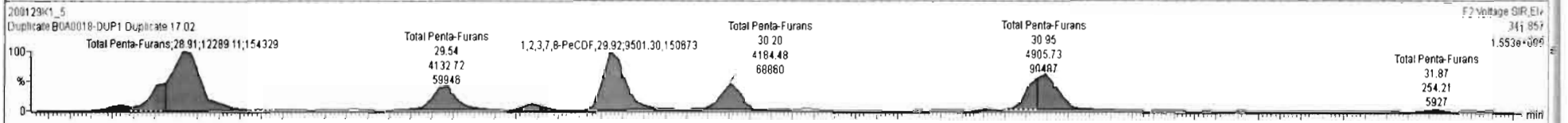
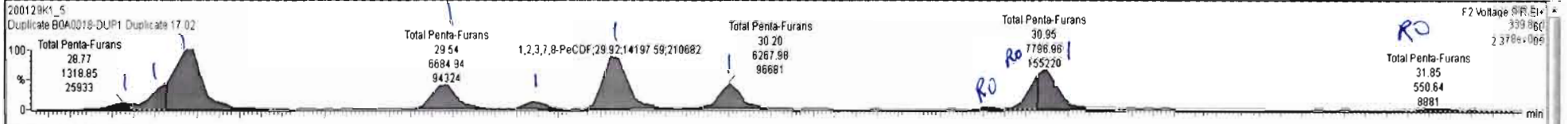
DPE2



200129K1_5 - B0A0018-DUP1 Duplicate 17.02 - Duplicate

#	Name	Resp	RA	nly	RRF	wfVol	Pred RT	RT	Pred R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
44	1st Func. Penta-Furans				0.9580	10.040	27.04		0.000		NO	34.27		0.0722	34.27
45	Total Penta-Furans				0.9580	10.040	28.27		0.000		NO	44.57		0.203	51.07
46	Total Hexa-Furans				1.2131	10.040	33.56		0.000		NO	126.3		0.436	127.4
47	Total Hepta-Furans				1.1891	10.040	37.83		0.000		NO	231.2		1.02	232.1
48	PFK1														
49	PFK2														
50	PFK3														

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	Total Penta-Furans	29.27	28.77	1.319e3	8.265e2	1.550	1.60	NO	1.0271	1.0271
2	Total Penta-Furans	29.27	28.87	4.122e3	2.966e3	1.550	1.39	NO	3.3834	0.00000
3	Total Penta-Furans	29.27	28.93	1.973e4	1.229e4	1.550	1.61	NO	15.331	15.331
4	Total Penta-Furans	29.27	29.54	6.685e3	4.133e3	1.550	1.62	NO	5.1789	5.1789
5	Total Penta-Furans	29.27	29.74	1.550e3	1.050e3	1.550	1.48	NO	1.2446	1.2446
6	1,2,3,7,8-PeCDF	29.94	29.92	1.420e4	9.501e3	1.550	1.49	NO	10.705	10.705
7	Total Penta-Furans	29.27	30.20	6.266e3	4.184e3	1.550	1.50	NO	5.0041	5.0041
8	Total Penta-Furans	29.27	30.83	4.265e2	1.430e2	1.550	2.98	YES	0.17452	0.00000
9	2,3,4,7,8-PeCDF	30.93	30.93	3.285e1	2.509e3	1.550	1.31	YES	2.6172	0.00000
10	Total Penta-Furans	29.27	30.95	7.797e3	4.906e3	1.550	1.59	NO	6.0814	6.0814
11	Total Penta-Furans	29.27	31.85	5.506e2	2.542e2	1.550	2.17	YES	0.31034	0.00000

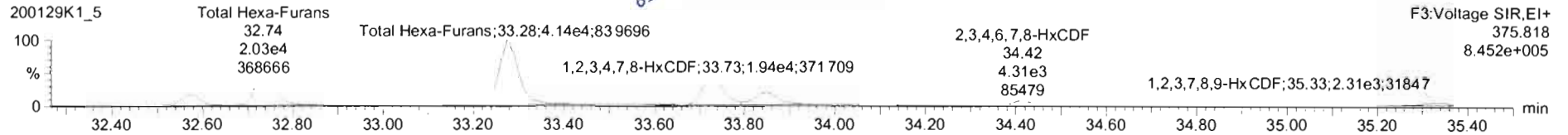
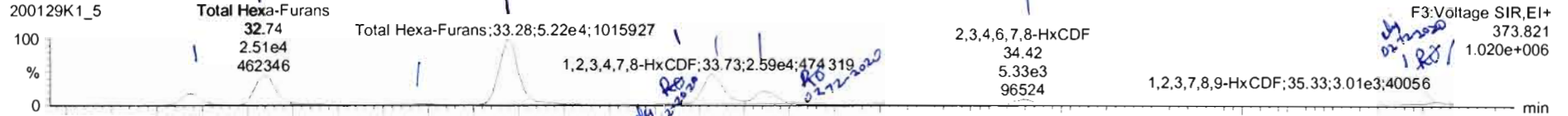


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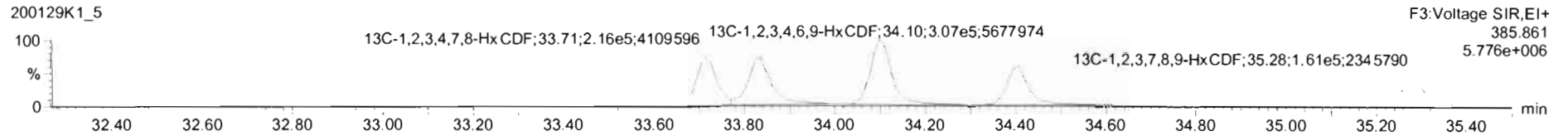
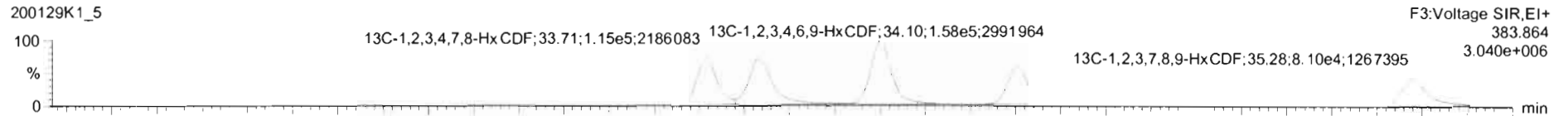
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Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_5, Date: 29-Jan-2020, Time: 18:26:06, ID: B0A0018-DUP1 Duplicate 17.02, Description: Duplicate

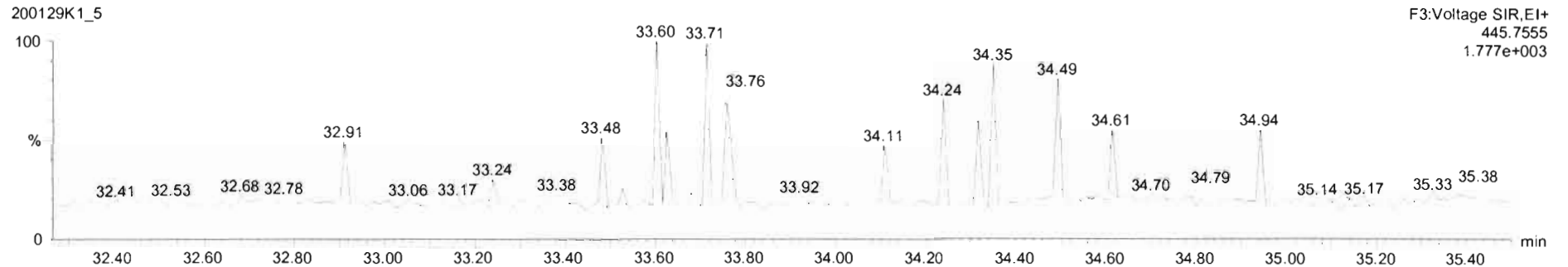
1,2,3,4,7,8-HxCDF



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



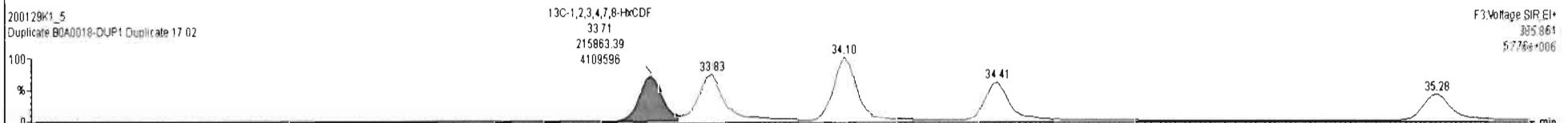
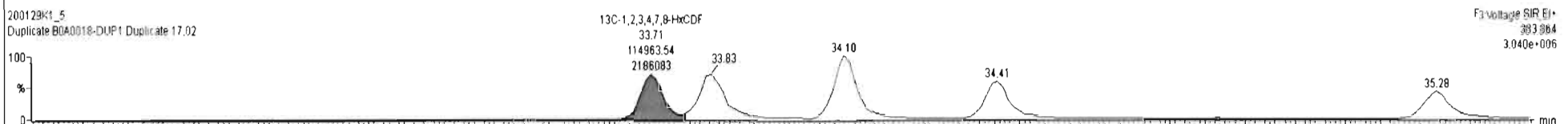
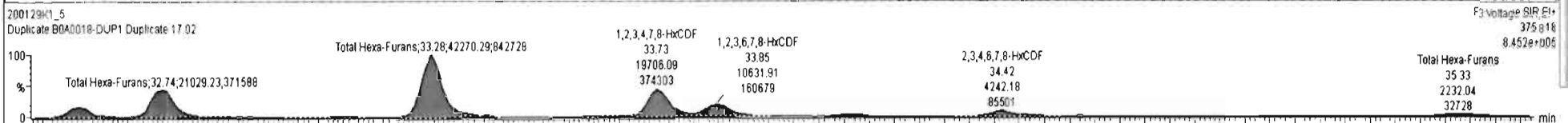
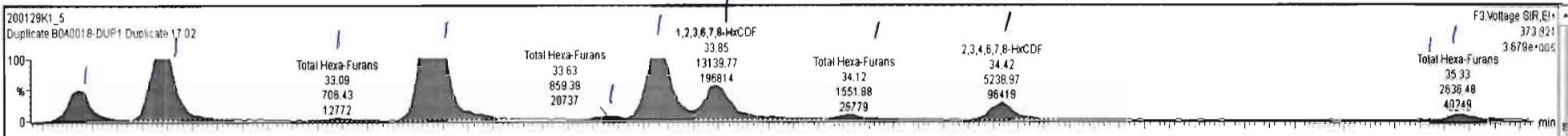
DPE3

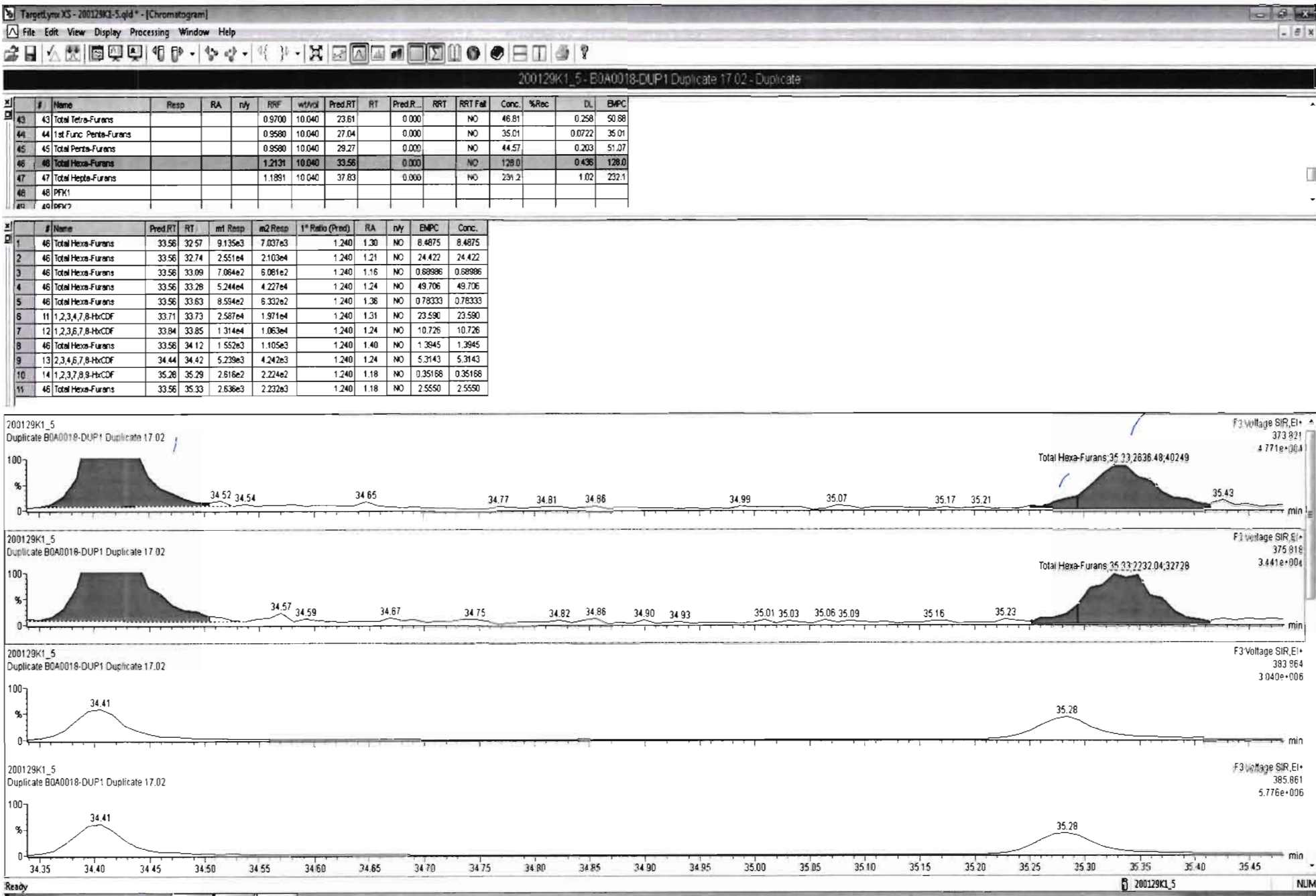


200129K1_5 - B0A0018-DUP1 Duplicate 17.02 - Duplicate

#	Name	Resp	RA	n/y	RRF	wtAvd	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
43	Total Tetra-Furans				0.9700	10.040	23.61		0.000		NO	46.81		0.258	50.88
44	1st Func. Penta-Furans				0.9580	10.040	27.04		0.000		NO	35.01		0.0722	35.01
45	Total Penta-Furans				0.9580	10.040	29.27		0.000		NO	44.57		0.203	51.07
46	Total Hexa-Furans				1.2151	10.040	33.56		0.000		NO	128.0		0.436	128.0
47	Total Hepta-Furans				1.1891	10.040	37.83		0.000		NO	231.2		1.02	232.1
48	PFK1														
49	PFK2														

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	46 Total Hexa-Furans	33.56	32.57	9.135e3	7.037e3	1.240	1.30	NO	8.4875	8.4875
2	46 Total Hexa-Furans	33.56	32.74	2.551e4	2.103e4	1.240	1.21	NO	24.422	24.422
3	46 Total Hexa-Furans	33.56	33.09	7.064e2	5.081e2	1.240	1.16	NO	0.68986	0.68986
4	46 Total Hexa-Furans	33.56	33.28	5.244e4	4.227e4	1.240	1.24	NO	49.706	49.706
5	46 Total Hexa-Furans	33.56	33.63	8.594e2	6.332e2	1.240	1.36	NO	0.78333	0.78333
6	11 1,2,3,4,7,8-HxCDF	33.71	33.73	2.587e4	1.971e4	1.240	1.31	NO	23.590	23.590
7	12 1,2,3,6,7,8-HxCDF	33.84	33.85	1.314e4	1.063e4	1.240	1.24	NO	10.726	10.726
8	46 Total Hexa-Furans	33.56	34.12	1.552e3	1.105e3	1.240	1.40	NO	1.3945	1.3945
9	13 2,3,4,6,7,8-HxCDF	34.44	34.42	5.239e3	4.242e3	1.240	1.24	NO	5.3143	5.3143
10	14 1,2,3,7,8,9-HxCDF	35.28	35.29	2.616e2	2.224e2	1.240	1.18	NO	0.35188	0.35188
11	46 Total Hexa-Furans	33.56	35.33	2.636e3	2.232e3	1.240	1.18	NO	2.5550	2.5550



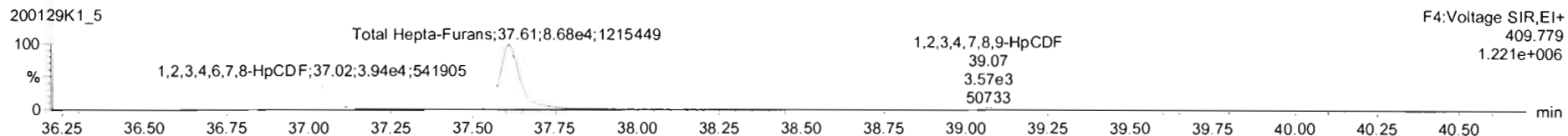
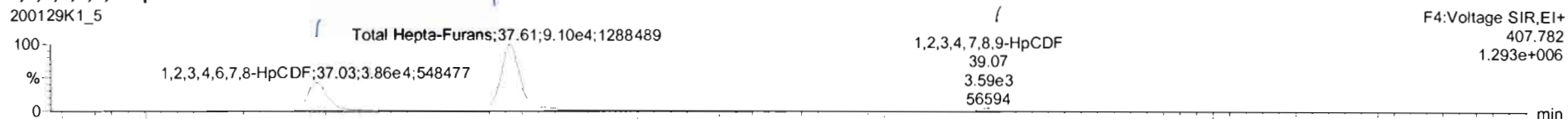


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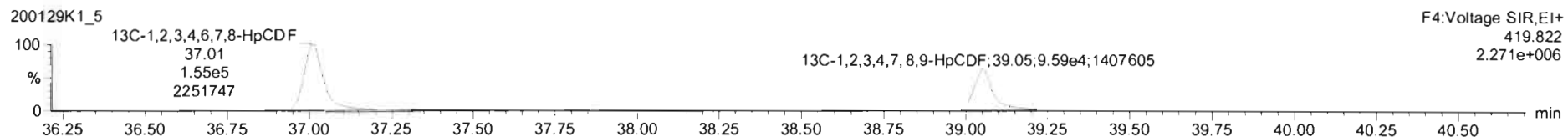
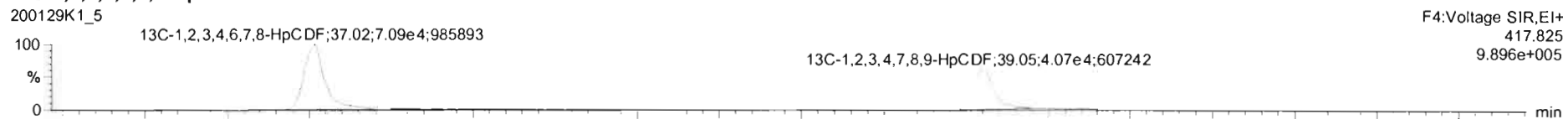
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Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_5, Date: 29-Jan-2020, Time: 18:26:06, ID: B0A0018-DUP1 Duplicate 17.02, Description: Duplicate

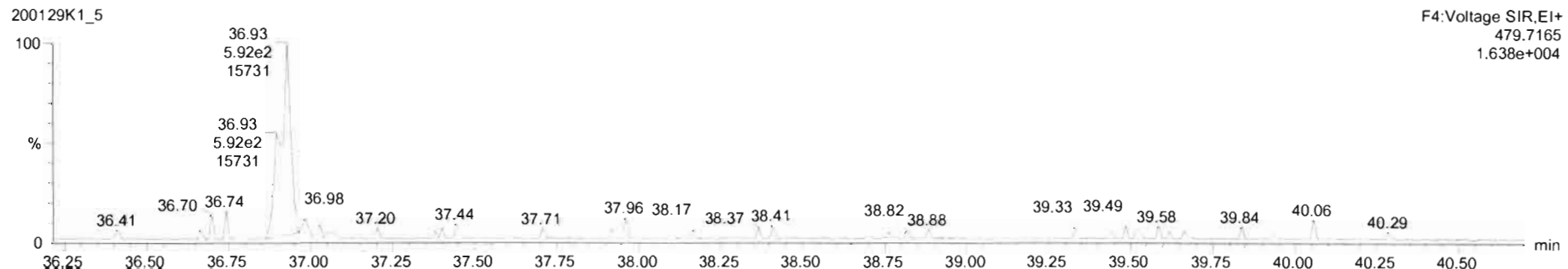
1,2,3,4,6,7,8-HpCDF



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



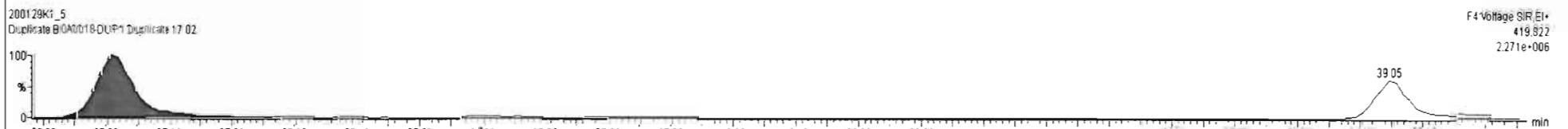
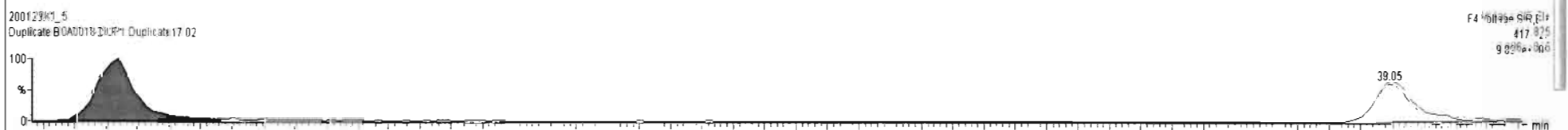
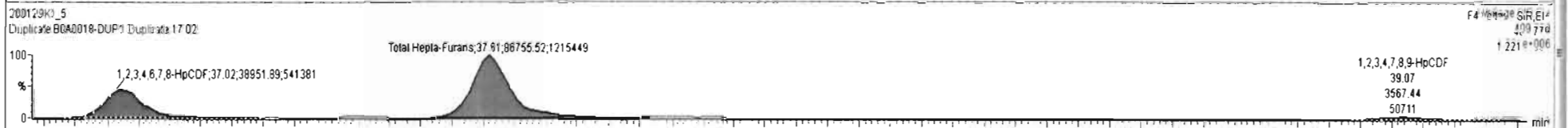
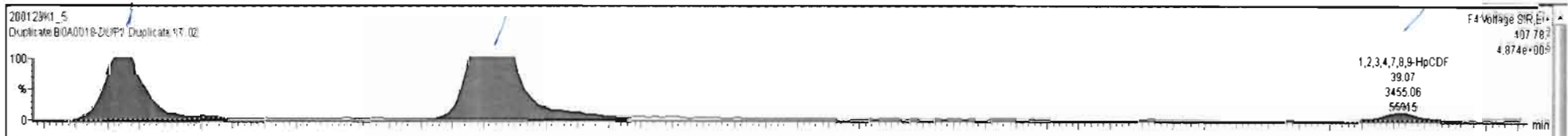
DPE4



200129K1_5 - B0A0018-DUP1 Duplicate 17.02 - Duplicate

#	Name	Resp	RA	n/y	RPF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
43	Total Tetra-Furans				0.9700	10.040	23.61		0.000		NO	46.61		0.258	50.88
44	1st Func. Penta-Furans				0.9580	10.040	27.04		0.000		NO	35.01		0.0722	35.01
45	Total Penta-Furans				0.9580	10.040	29.27		0.000		NO	44.57		0.203	51.07
46	Total Hexa-Furans				1.2131	10.040	33.56		0.000		NO	128.0		0.436	128.0
47	Total Hepta-Furans				1.1881	10.040	37.83		0.000		NO	230.4		1.02	230.4
48	PFK1														
49	PFK2														

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	1,2,3,4,6,7,8-HpCDF	37.05	37.03	4.028e4	3.885e4	1.040	1.03	NO	58.739	58.739
2	Total Hepta-Furans	37.83	37.61	9.102e4	8.678e4	1.040	1.05	NO	164.26	164.26
3	1,2,3,4,7,8,9-HpCDF	39.05	39.07	3.455e3	3.567e3	1.040	0.97	NO	7.3676	7.3676



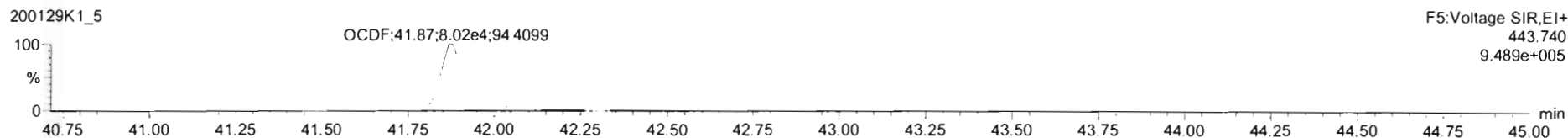
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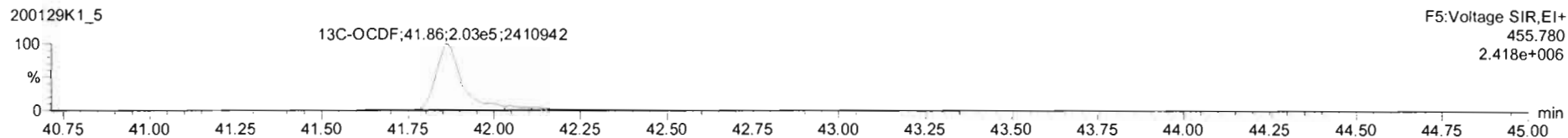
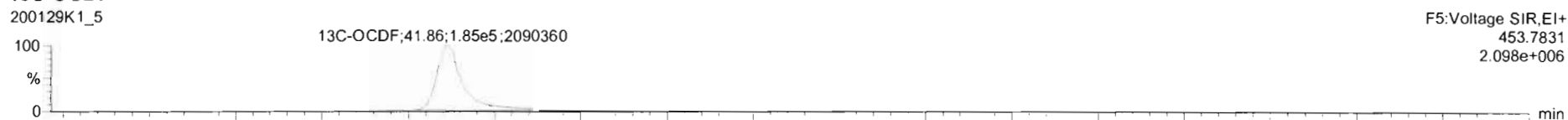
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Name: 200129K1_5, Date: 29-Jan-2020, Time: 18:26:06, ID: B0A0018-DUP1 Duplicate 17.02, Description: Duplicate

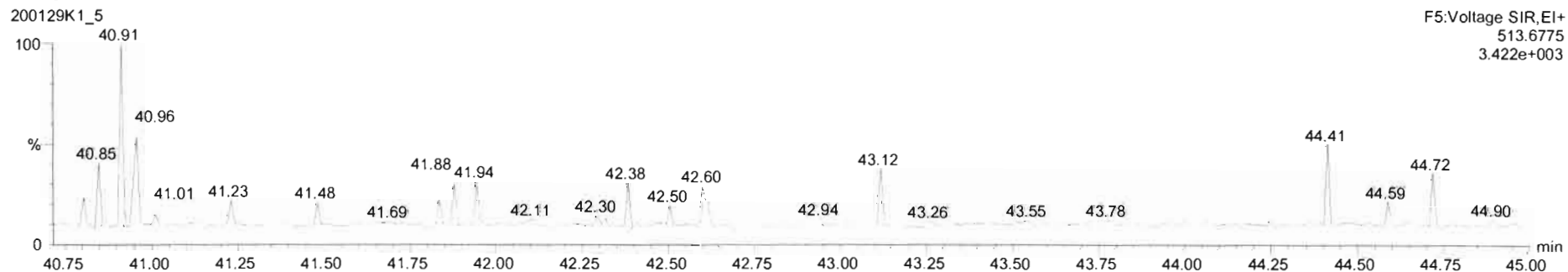
OCDF



13C-OCDF



DPE5

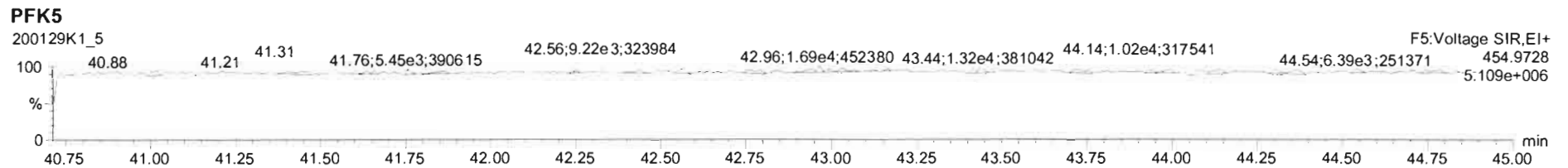
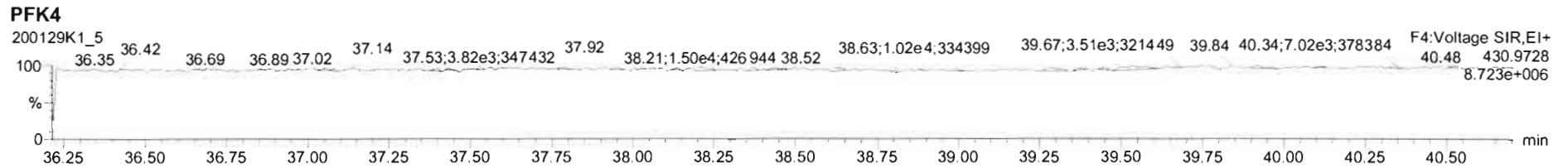
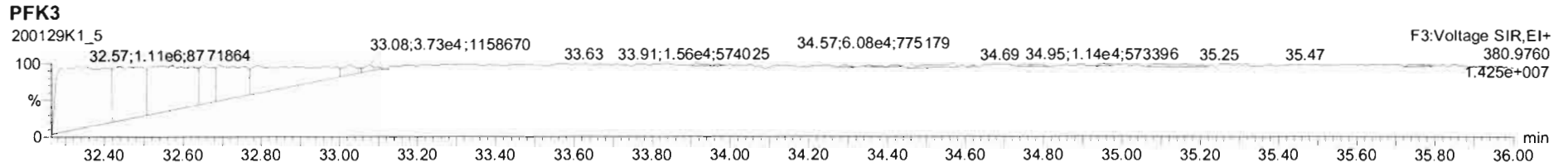
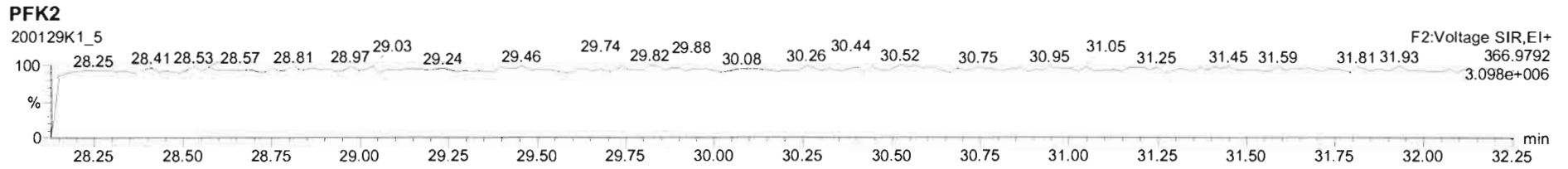
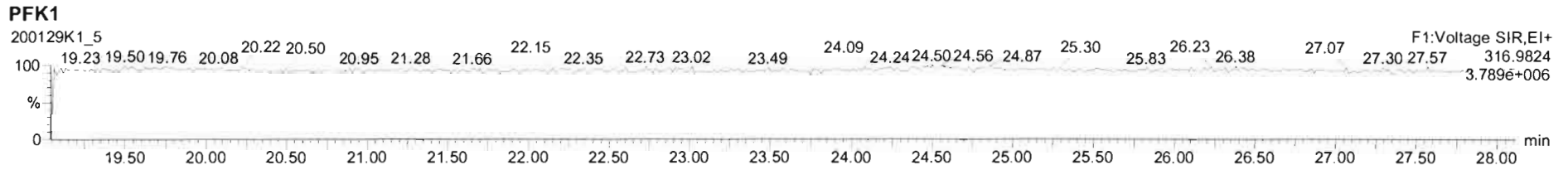


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Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_5, Date: 29-Jan-2020, Time: 18:26:06, ID: B0A0018-DUP1 Duplicate 17.02, Description: Duplicate



Dataset: U:\VG11.PRO\Results\200129K1\200129K1-12.qld

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Printed: Tuesday, February 04, 2020 15:40:00 Pacific Standard Time

Hc 2-4-2020

0102/11/2020

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Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_12, Date: 30-Jan-2020, Time: 00:03:24, ID: 1903650-07 PDI-088SC-B-04-06-191011 17.43, Description: PDI-088SC-B-04-06-191011

#	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	7.29e2	0.49	YES	0.943	10.023	26.092	26.09	1.001	1.001	0.39849		0.200	0.302
2	2 1,2,3,7,8-PeCDD	8.91e2	0.52	YES	0.897	10.023	31.271	31.27	1.001	1.001	0.67671		0.339	0.601
3	3 1,2,3,4,7,8-HxCDD	8.30e2	1.08	NO	1.17	10.023	34.591	34.59	1.000	1.000	0.68230		0.426	0.682
4	4 1,2,3,6,7,8-HxCDD	5.24e3	1.27	NO	1.01	10.023	34.691	34.70	1.000	1.000	3.5963		0.421	3.60
5	5 1,2,3,7,8,9-HxCDD	2.33e3	1.22	NO	0.982	10.023	34.989	34.97	1.001	1.000	1.7341		0.493	1.73
6	6 1,2,3,4,6,7,8-HpCDD	1.43e5	1.07	NO	1.06	10.023	38.455	38.45	1.000	1.000	134.14		1.82	134
7	7 OCDD	1.77e6	0.90	NO	1.04	10.023	41.692	41.70	1.000	1.000	1703.3		2.36	1700
8	8 2,3,7,8-TCDF	2.30e4	0.84	NO	0.970	10.023	25.092	25.08	1.001	1.001	8.4464 (7.38)		0.234	8.45
9	9 1,2,3,7,8-PeCDF	2.91e4	1.55	NO	0.958	10.023	29.941	29.94	1.001	1.001	13.319		0.184	13.3
10	10 2,3,4,7,8-PeCDF	1.52e4	1.46	NO	1.01	10.023	30.946	30.95	1.001	1.001	6.5969		0.155	6.60
11	11 1,2,3,4,7,8-HxCDF	4.89e4	1.31	NO	1.16	10.023	33.725	33.75	1.000	1.001	22.154		0.354	22.2
12	12 1,2,3,6,7,8-HxCDF	1.95e4	1.31	NO	1.14	10.023	33.856	33.86	1.000	1.000	7.5497		0.327	7.55
13	13 2,3,4,6,7,8-HxCDF	6.31e3	1.29	NO	1.21	10.023	34.451	34.44	1.001	1.001	2.6922		0.374	2.69
14	14 1,2,3,7,8,9-HxCDF	4.78e2	1.24	NO	1.13	10.023	35.294	35.31	1.000	1.000	0.27214		0.579	0.272
15	15 1,2,3,4,6,7,8-HpCDF	6.83e4	1.05	NO	1.19	10.023	37.065	37.04	1.001	1.000	38.444		0.661	38.4
16	16 1,2,3,4,7,8,9-HpCDF	7.72e3	1.04	NO	1.39	10.023	39.058	39.07	1.000	1.000	5.5412		0.775	5.54
17	17 OCDF	1.15e5	0.90	NO	1.06	10.023	41.878	41.89	1.000	1.000	85.610		0.591	85.6
18	18 13C-2,3,7,8-TCDD	3.87e5	0.73	NO	1.17	10.023	26.053	26.06	1.027	1.028	131.40	65.9	0.337	
19	19 13C-1,2,3,7,8-PeCDD	2.93e5	0.62	NO	0.773	10.023	31.228	31.25	1.232	1.232	150.85	75.6	0.608	
20	20 13C-1,2,3,4,7,8-HxCDD	2.08e5	1.33	NO	0.600	10.023	34.580	34.58	1.014	1.014	126.22	63.3	0.708	
21	21 13C-1,2,3,6,7,8-HxCDD	2.89e5	1.38	NO	0.763	10.023	34.679	34.69	1.017	1.017	138.00	69.2	0.557	
22	22 13C-1,2,3,7,8,9-HxCDD	2.73e5	1.36	NO	0.676	10.023	34.951	34.95	1.025	1.025	147.26	73.8	0.628	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.00e5	1.04	NO	0.455	10.023	38.444	38.44	1.127	1.127	160.51	80.4	1.03	
24	24 13C-OCDD	3.97e5	0.89	NO	0.371	10.023	41.671	41.69	1.222	1.222	390.00	97.7	1.71	
25	25 13C-2,3,7,8-TCDF	5.59e5	0.78	NO	1.07	10.023	25.069	25.07	0.989	0.989	113.06	56.7	0.444	
26	26 13C-1,2,3,7,8-PeCDF	4.55e5	1.53	NO	0.765	10.023	29.917	29.92	1.180	1.180	128.49	64.4	1.35	
27	27 13C-2,3,4,7,8-PeCDF	4.57e5	1.61	NO	0.726	10.023	30.927	30.93	1.220	1.220	136.16	68.2	1.43	
28	28 13C-1,2,3,4,7,8-HxCDF	3.79e5	0.52	NO	0.965	10.023	33.720	33.72	0.989	0.989	143.02	71.7	0.860	
29	29 13C-1,2,3,6,7,8-HxCDF	4.50e5	0.48	NO	1.09	10.023	33.836	33.85	0.992	0.992	150.06	75.2	0.758	
30	30 13C-2,3,4,6,7,8-HxCDF	3.85e5	0.50	NO	0.984	10.023	34.409	34.42	1.009	1.009	142.75	71.5	0.843	
31	31 13C-1,2,3,7,8,9-HxCDF	3.09e5	0.55	NO	0.790	10.023	35.310	35.29	1.035	1.035	142.32	71.3	1.05	

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-12.qld

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Name: 200129K1_12, Date: 30-Jan-2020, Time: 00:03:24, ID: 1903650-07 PDI-088SC-B-04-06-191011 17.43, Description: PDI-088SC-B-04-06-191011

#	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	2.98e5	0.45	NO	0.734	10.023	37.022	37.03	1.085	1.086	148.06	74.2	0.889	
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.00e5	0.40	NO	0.459	10.023	39.045	39.06	1.145	1.145	158.91	79.6	1.42	
34	34 13C-OCDF	5.07e5	0.89	NO	0.500	10.023	41.906	41.88	1.229	1.228	369.46	92.6	0.987	
35	35 37Cl-2,3,7,8-TCDD	1.43e5			1.12	10.023	26.073	26.09	1.028	1.029	50.569	63.4	0.119	
36	36 13C-1,2,3,4-TCDD	5.01e5	0.77	NO	1.00	10.023	25.360	25.36	1.000	1.000	199.54	100	0.396	
37	37 13C-1,2,3,4-TCDF	9.23e5	0.79	NO	1.00	10.023	23.430	23.43	1.000	1.000	199.54	100	0.475	
38	38 13C-1,2,3,4,6,9-HxCDF	5.48e5	0.48	NO	1.00	10.023	34.100	34.11	1.000	1.000	199.54	100	0.829	
39	39 Total Tetra-Dioxins				0.943	10.023	24.620		0.000		8.2543		0.200	8.85
40	40 Total Penta-Dioxins				0.897	10.023	29.960		0.000		7.1481		0.339	8.66
41	41 Total Hexa-Dioxins				1.01	10.023	33.635		0.000		41.514		0.462	42.1
42	42 Total Hepta-Dioxins				1.06	10.023	38.800		0.000		319.66		1.82	320
43	43 Total Tetra-Furans				0.970	10.023	23.610		0.000		41.334		0.234	43.5
44	44 1st Func. Penta-Furans				0.958	10.023	27.040		0.000		22.047		0.0660	22.0
45	45 Total Penta-Furans				0.958	10.023	29.275		0.000		49.279		0.173	50.5
46	46 Total Hexa-Furans				1.21	10.023	33.555		0.000		75.615		0.380	75.6
47	47 Total Hepta-Furans				1.19	10.023	37.835		0.000		118.51		0.759	119

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Method: Untitled 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_12, Date: 30-Jan-2020, Time: 00:03:24, ID: 1903650-07 PDI-088SC-B-04-06-191011 17.43, Description: PDI-088SC-B-04-06-191011

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	21.75	6.006e4	7.140e4	5.533e3	6.864e3	0.81	NO	1.240e4	6.7779	6.7779	0.200
2	Total Tetra-Dioxins	22.15	1.063e4	1.089e4	6.354e2	8.822e2	0.72	NO	1.518e3	0.82977	0.82977	0.200
3	Total Tetra-Dioxins	24.20	5.684e3	3.788e3	3.863e2	3.030e2	1.27	YES	0.000e0	0.00000	0.29326	0.200
4	Total Tetra-Dioxins	25.80	6.870e3	8.137e3	5.324e2	6.502e2	0.82	NO	1.183e3	0.64660	0.64660	0.200
5	2,3,7,8-TCDD	26.09	3.622e3	7.893e3	2.403e2	4.886e2	0.49	YES	7.288e2	0.00000	0.30194	0.200

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.99	1.509e4	2.958e4	1.188e3	2.061e3	0.58	NO	3.249e3	2.4679	2.4679	0.339
2	Total Penta-Dioxins	29.50	5.711e3	8.758e3	2.670e2	4.288e2	0.62	NO	6.958e2	0.52852	0.52852	0.339
3	Total Penta-Dioxins	30.00	1.616e4	3.081e4	1.141e3	1.783e3	0.64	NO	2.924e3	2.2211	2.2211	0.339
4	Total Penta-Dioxins	30.16	7.418e3	8.872e3	3.306e2	5.620e2	0.59	NO	8.926e2	0.67798	0.67798	0.339
5	Total Penta-Dioxins	30.28	5.409e3	6.480e3	3.792e2	3.874e2	0.98	YES	0.000e0	0.00000	0.47967	0.339
6	Total Penta-Dioxins	30.50	5.281e3	9.759e3	4.908e2	8.397e2	0.58	NO	1.330e3	1.0106	1.0106	0.339
7	Total Penta-Dioxins	30.83	2.963e3	3.670e3	1.292e2	1.895e2	0.68	NO	3.187e2	0.24209	0.24209	0.339
8	1,2,3,7,8-PeCDD	31.27	5.646e3	8.515e3	3.058e2	5.851e2	0.52	YES	8.909e2	0.00000	0.60103	0.339
9	Total Penta-Dioxins	31.57	3.876e3	3.107e3	1.874e2	1.498e2	1.25	YES	0.000e0	0.00000	0.18544	0.339
10	Total Penta-Dioxins	31.63	4.220e3	5.987e3	1.671e2	1.951e2	0.86	YES	0.000e0	0.00000	0.24160	0.339

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Name: 200129K1_12, Date: 30-Jan-2020, Time: 00:03:24, ID: 1903650-07 PDI-088SC-B-04-06-191011 17.43, Description: PDI-088SC-B-04-06-191011

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.14	2.217e5	1.618e5	1.163e4	8.360e3	1.39	NO	2.000e4	15.442	15.442	0.462
2	Total Hexa-Dioxins	33.68	3.172e4	2.199e4	1.646e3	1.276e3	1.29	NO	2.922e3	2.2563	2.2563	0.462
3	Total Hexa-Dioxins	33.93	1.883e5	1.387e5	1.269e4	9.453e3	1.34	NO	2.215e4	17.103	17.103	0.462
4	1,2,3,4,7,8-HxCDD	34.59	7.433e3	7.763e3	4.308e2	3.990e2	1.08	NO	8.298e2	0.68230	0.68230	0.426
5	1,2,3,6,7,8-HxCDD	34.70	4.921e4	3.763e4	2.933e3	2.311e3	1.27	NO	5.244e3	3.5963	3.5963	0.421
6	Total Hexa-Dioxins	34.88	1.048e4	8.502e3	5.169e2	3.892e2	1.33	NO	9.061e2	0.69973	0.69973	0.462
7	1,2,3,7,8,9-HxCDD	34.97	2.364e4	1.714e4	1.281e3	1.050e3	1.22	NO	2.331e3	1.7341	1.7341	0.493
8	Total Hexa-Dioxins	35.59	1.320e4	7.980e3	6.806e2	3.290e2	2.07	YES	0.000e0	0.00000	0.56919	0.462

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.42	1.509e6	1.484e6	1.006e5	9.726e4	1.03	NO	1.979e5	185.52	185.52	1.82
2	1,2,3,4,6,7,8-HpCDD	38.45	9.729e5	9.219e5	7.404e4	6.905e4	1.07	NO	1.431e5	134.14	134.14	1.82

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Name: 200129K1_12, Date: 30-Jan-2020, Time: 00:03:24, ID: 1903650-07 PDI-088SC-B-04-06-191011 17.43, Description: PDI-088SC-B-04-06-191011

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	19.72	6.587e3	8.112e3	4.012e2	5.094e2	0.79	NO	9.106e2	0.33499	0.33499	0.234
2	Total Tetra-Furans	20.19	1.551e4	1.755e4	1.133e3	1.472e3	0.77	NO	2.605e3	0.95842	0.95842	0.234
3	Total Tetra-Furans	20.79	7.605e4	9.993e4	6.443e3	8.284e3	0.78	NO	1.473e4	5.4180	5.4180	0.234
4	Total Tetra-Furans	21.25	6.132e3	1.002e4	4.467e2	8.054e2	0.55	YES	0.000e0	0.00000	0.37779	0.234
5	Total Tetra-Furans	21.34	1.049e4	1.476e4	1.010e3	1.418e3	0.71	NO	2.428e3	0.89329	0.89329	0.234
6	Total Tetra-Furans	21.70	5.661e4	7.137e4	5.571e3	6.795e3	0.82	NO	1.237e4	4.5492	4.5492	0.234
7	Total Tetra-Furans	22.15	4.389e4	6.058e4	4.173e3	5.623e3	0.74	NO	9.797e3	3.6041	3.6041	0.234
8	Total Tetra-Furans	22.32	5.834e3	7.888e3	3.978e2	4.887e2	0.81	NO	8.865e2	0.32614	0.32614	0.234
9	Total Tetra-Furans	22.51	8.401e3	9.934e3	6.576e2	9.723e2	0.68	NO	1.630e3	0.59959	0.59959	0.234
10	Total Tetra-Furans	23.31	3.019e4	4.438e4	2.933e3	4.131e3	0.71	NO	7.063e3	2.5984	2.5984	0.234
11	Total Tetra-Furans	23.46	1.956e4	2.935e4	2.422e3	3.180e3	0.76	NO	5.602e3	2.0608	2.0608	0.234
12	Total Tetra-Furans	24.04	1.205e5	1.703e5	1.125e4	1.471e4	0.76	NO	2.596e4	9.5518	9.5518	0.234
13	Total Tetra-Furans	24.98	2.505e4	2.420e4	1.495e3	1.777e3	0.84	NO	3.272e3	1.2038	1.2038	0.234
14	2,3,7,8-TCDF	25.08	1.224e5	1.485e5	1.046e4	1.249e4	0.84	NO	2.296e4	8.4464	8.4464	0.234
15	Total Tetra-Furans	25.51	1.369e4	1.457e4	9.977e2	1.146e3	0.87	NO	2.143e3	0.78849	0.78849	0.234
16	Total Tetra-Furans	26.83	3.542e3	3.335e3	1.374e2	2.288e2	0.60	YES	0.000e0	0.00000	0.11616	0.234
17	Total Tetra-Furans	26.99	2.771e3	5.370e3	1.808e2	2.921e2	0.62	YES	0.000e0	0.00000	0.15287	0.234
18	Total Tetra-Furans	27.27	3.451e4	3.125e4	2.072e3	2.316e3	0.89	YES	0.000e0	0.00000	1.5078	0.234

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	27.28	4.661e5	2.751e5	2.932e4	1.895e4	1.55	NO	4.827e4	22.047	22.047	0.0660

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Name: 200129K1_12, Date: 30-Jan-2020, Time: 00:03:24, ID: 1903650-07 PDI-088SC-B-04-06-191011 17.43, Description: PDI-088SC-B-04-06-191011

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.79	1.408e4	1.479e4	1.053e3	8.514e2	1.24	YES	0.000e0	0.00000	0.79121	0.173
2	Total Penta-Furans	28.93	2.402e5	1.523e5	1.948e4	1.201e4	1.62	NO	3.150e4	14.387	14.387	0.173
3	Total Penta-Furans	29.54	6.846e4	4.371e4	5.168e3	3.391e3	1.52	NO	8.560e3	3.9097	3.9097	0.173
4	Total Penta-Furans	29.76	3.638e4	3.071e4	2.363e3	1.509e3	1.57	NO	3.873e3	1.7690	1.7690	0.173
5	1,2,3,7,8-PeCDF	29.94	3.156e5	2.061e5	1.769e4	1.138e4	1.55	NO	2.907e4	13.319	13.319	0.184
6	Total Penta-Furans	30.22	1.139e5	7.492e4	7.504e3	4.822e3	1.56	NO	1.233e4	5.6301	5.6301	0.173
7	Total Penta-Furans	30.85	7.888e3	6.380e3	4.011e2	2.975e2	1.35	NO	6.986e2	0.31912	0.31912	0.173
8	2,3,4,7,8-PeCDF	30.95	1.922e5	1.253e5	9.050e3	6.180e3	1.46	NO	1.523e4	6.5969	6.5969	0.155
9	Total Penta-Furans	30.97	1.613e5	9.630e4	4.628e3	2.704e3	1.71	NO	7.332e3	3.3492	3.3492	0.173
10	Total Penta-Furans	31.87	1.196e4	6.175e3	6.762e2	3.262e2	2.07	YES	0.000e0	0.00000	0.37992	0.173

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.58	1.340e5	9.809e4	6.088e3	4.704e3	1.29	NO	1.079e4	4.6624	4.6624	0.380
2	Total Hexa-Furans	32.75	3.371e5	2.646e5	1.761e4	1.382e4	1.27	NO	3.142e4	13.576	13.576	0.380
3	Total Hexa-Furans	33.29	5.920e5	4.548e5	2.910e4	2.269e4	1.28	NO	5.179e4	22.373	22.373	0.380
4	1,2,3,4,7,8-HxCDF	33.75	5.133e5	3.783e5	2.775e4	2.116e4	1.31	NO	4.890e4	22.154	22.154	0.354
5	1,2,3,6,7,8-HxCDF	33.86	2.149e5	1.467e5	1.104e4	8.438e3	1.31	NO	1.948e4	7.5497	7.5497	0.327
6	2,3,4,6,7,8-HxCDF	34.44	6.661e4	5.431e4	3.555e3	2.751e3	1.29	NO	6.306e3	2.6922	2.6922	0.374
7	1,2,3,7,8,9-HxCDF	35.31	1.391e4	1.039e4	2.647e2	2.130e2	1.24	NO	4.778e2	0.27214	0.27214	0.579
8	Total Hexa-Furans	35.35	4.312e4	4.029e4	3.060e3	2.347e3	1.30	NO	5.408e3	2.3362	2.3362	0.380

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	37.04	5.321e5	4.964e5	3.504e4	3.323e4	1.05	NO	6.828e4	38.444	38.444	0.661
2	Total Hepta-Furans	37.62	8.312e5	8.183e5	5.637e4	5.422e4	1.04	NO	1.106e5	74.520	74.520	0.759
3	1,2,3,4,7,8,9-HpCDF	39.07	7.054e4	6.045e4	3.929e3	3.790e3	1.04	NO	7.719e3	5.5412	5.5412	0.775

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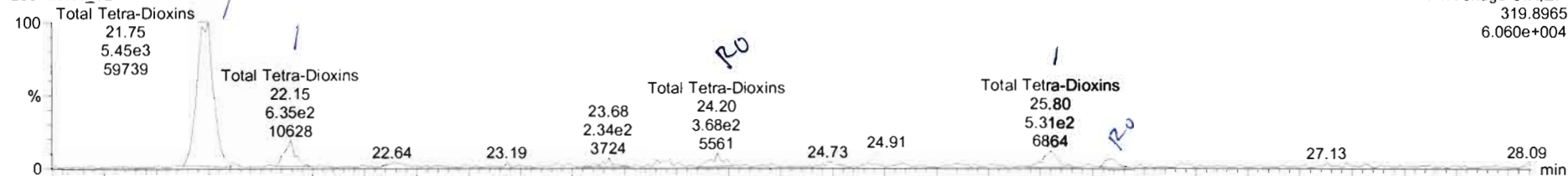
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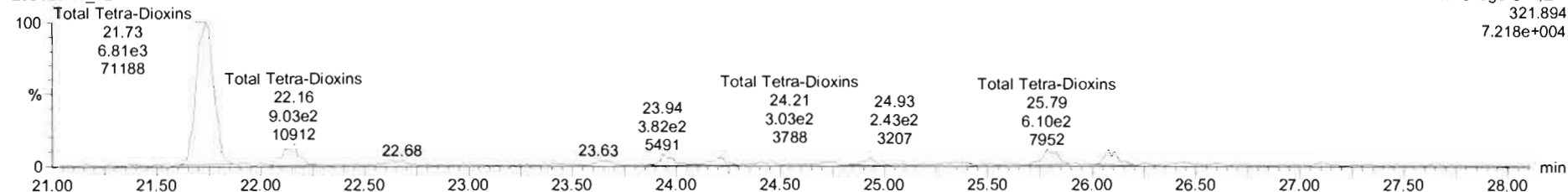
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2,3,7,8-TCDD

200129K1_12

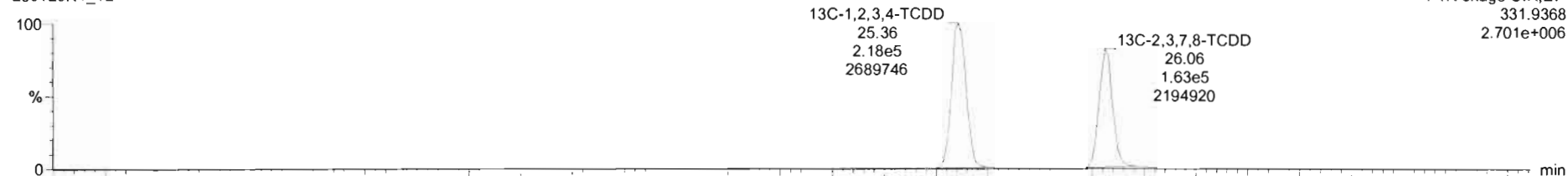


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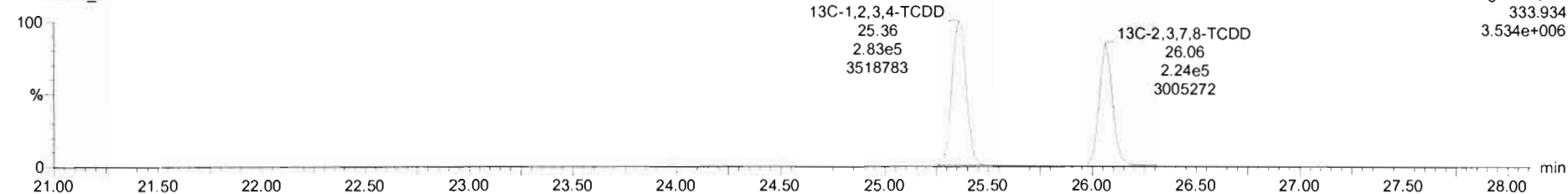


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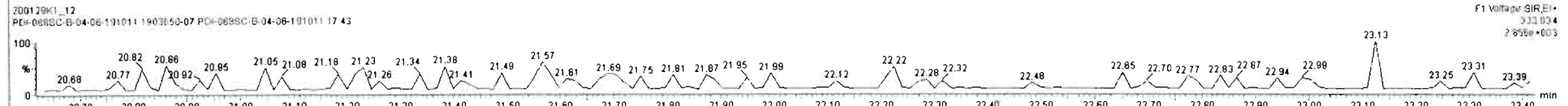
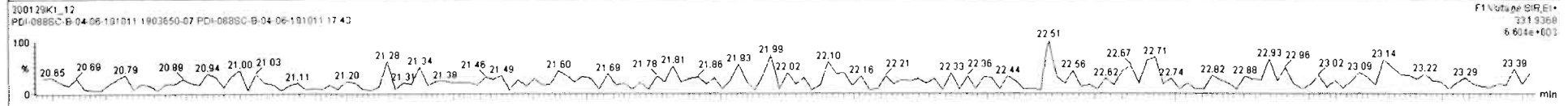
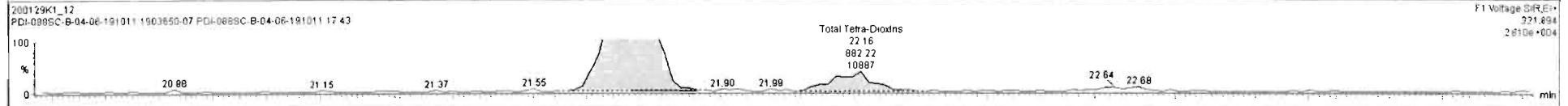
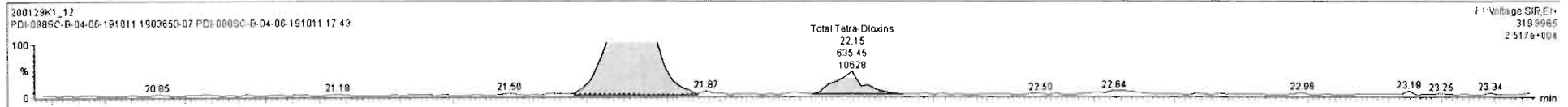


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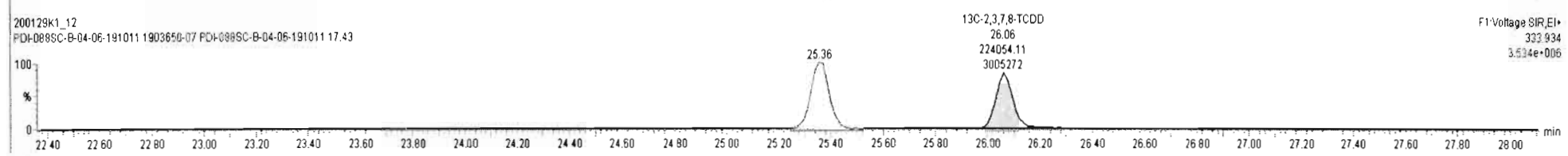
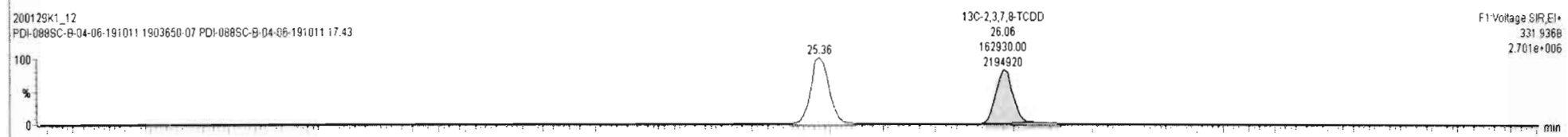
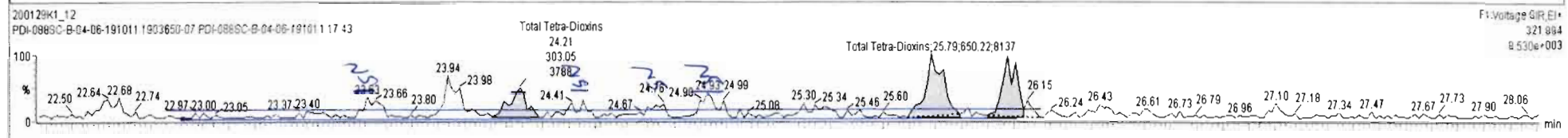
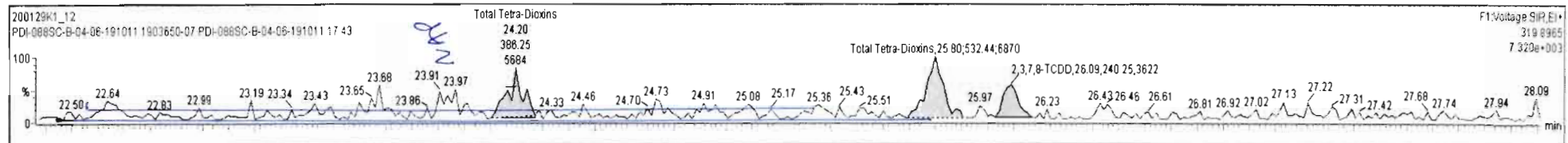
#	Name	Resp	RA	n/y	RRF	w/wot	RT	RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	3.09e5	0.55	NO	0.7904	10.023	35.29	1.035	142	71.3	1.05	
32	13C-1,2,3,4,6,7,8-HpCDF	3.05e5	0.44	NO	0.7335	10.023	37.03	1.086	151	75.9	0.889	
33	13C-1,2,3,4,7,8,9-HpCDF	2.00e5	0.40	NO	0.4587	10.023	39.06	1.145	159	79.6	1.42	
34	13C-OCDF	5.07e5	0.89	NO	0.5003	10.023	41.88	1.228	369	92.6	0.987	
35	37Cl-2,3,7,8-TCDD	1.43e5			1.1244	10.023	26.09	1.029	50.6	63.4	0.119	
36	13C-1,2,3,4-TCDD	5.01e5	0.77	NO	1.0000	10.023	25.36	1.000	200	100	0.396	
37	13C-1,2,3,4-TCDF	9.23e5	0.79	NO	1.0000	10.023	23.43	1.000	200	100	0.475	
38	13C-1,2,3,4,6,9-HxCDF	5.48e5	0.48	NO	1.0000	10.023	34.11	1.000	200	100	0.829	
39	Total Tetra-Dioxins				0.9431	10.023			8.25		0.200	8.85
40	Total Penta-Dioxins				0.8974	10.023			6.02		0.338	8.42

#	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Tetra-Dioxins	21.75	5.533e3	6.864e3	0.81	NO	6.7779	6.7779
2	Total Tetra-Dioxins	22.15	6.354e2	8.822e2	0.72	NO	0.82977	0.82977
3	Total Tetra-Dioxins	24.20	3.863e2	3.030e2	1.37	YES	0.29326	0.00000
4	Total Tetra-Dioxins	25.80	5.324e2	6.502e2	0.82	NO	0.64660	0.64660
5	2,3,7,8-TCDD	26.09	2.403e2	4.886e2	0.49	YES	0.30194	0.00000



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC	
31	13C-1,2,3,7,8-HxCDF	3.09e5	0.55	NO	0.7904	10.023	35.29	1.035	142	71.3	1.05	
32	13C-1,2,3,4,6,7,8-HpCDF	3.05e5	0.44	NO	0.7335	10.023	37.03	1.086	151	75.9	0.889	
33	13C-1,2,3,4,7,8,9-HpCDF	2.00e5	0.40	NO	0.4587	10.023	39.06	1.145	159	79.6	1.42	
34	13C-OCDF	5.07e5	0.89	NO	0.5003	10.023	41.88	1.228	369	92.6	0.987	
35	37Cl-2,3,7,8-TCDD	1.43e5			1.1244	10.023	26.09	1.029	50.6	63.4	0.119	
36	13C-1,2,3,4-TCDD	5.01e5	0.77	NO	1.0000	10.023	25.36	1.000	200	100	0.396	
37	13C-1,2,3,4-TCDF	9.22e5	0.79	NO	1.0000	10.023	23.43	1.000	200	100	0.475	
38	13C-1,2,3,4,6,8,9-HxCDF	5.48e5	0.48	NO	1.0000	10.023	34.11	1.000	200	100	0.829	
39	Total Tetra-Dioxins				0.9431	10.023			8.25		0.200	8.85
40	Total Penta-Dioxins				0.8974	10.023			8.02		0.339	8.42

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.	
1	Total Tetra-Dioxins	21.75	5.533e3	6.864e3	0.81	NO	6.7779	6.7779
2	Total Tetra-Dioxins	22.15	6.354e2	8.822e2	0.72	NO	0.82977	0.82977
3	Total Tetra-Dioxins	24.20	3.863e2	3.030e2	1.27	YES	0.29326	0.00000
4	Total Tetra-Dioxins	25.80	5.324e2	6.502e2	0.82	NO	0.64660	0.64660
5	2,3,7,8-TCDD	26.09	2.403e2	4.886e2	0.49	YES	0.30194	0.00000



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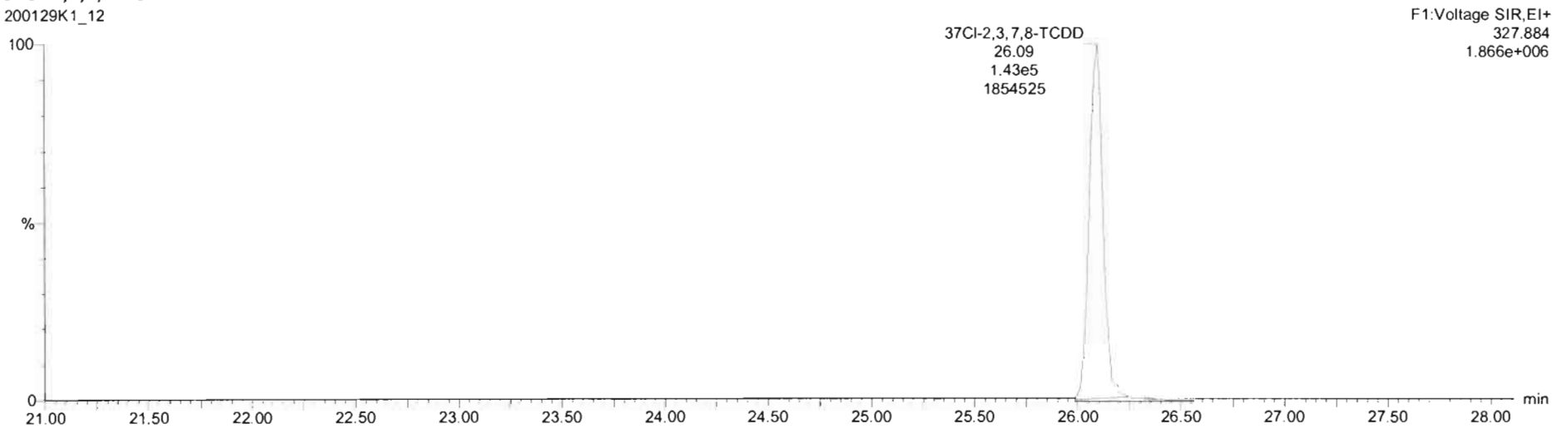
Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time

Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_12, Date: 30-Jan-2020, Time: 00:03:24, ID: 1903650-07 PDI-088SC-B-04-06-191011 17.43, Description: PDI-088SC-B-04-06-191011

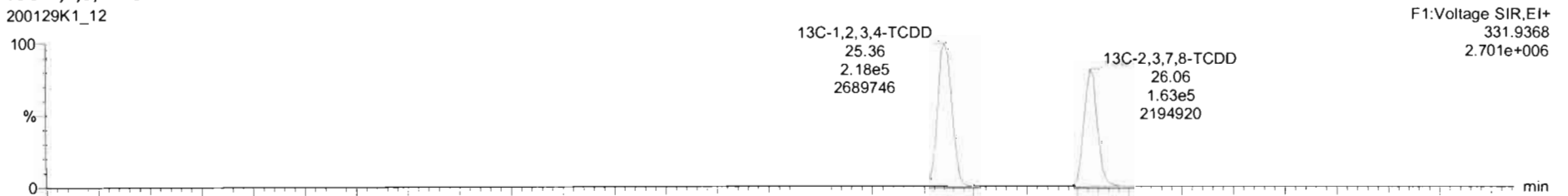
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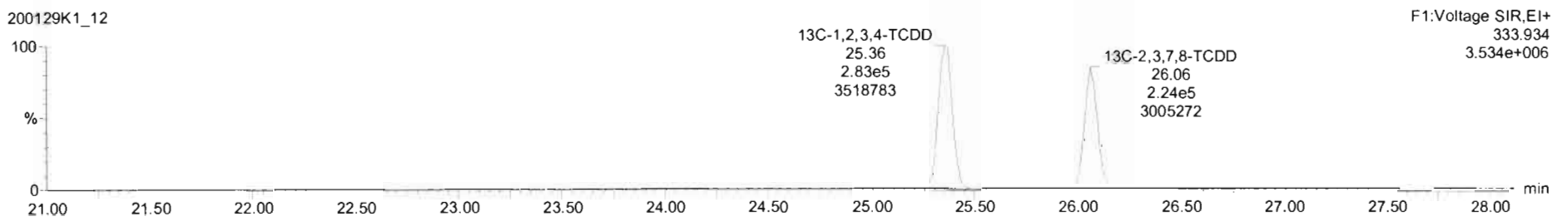


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200129K1_12



200129K1_12



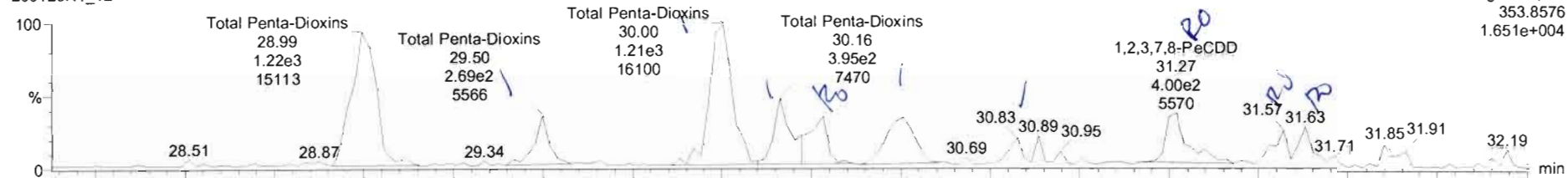
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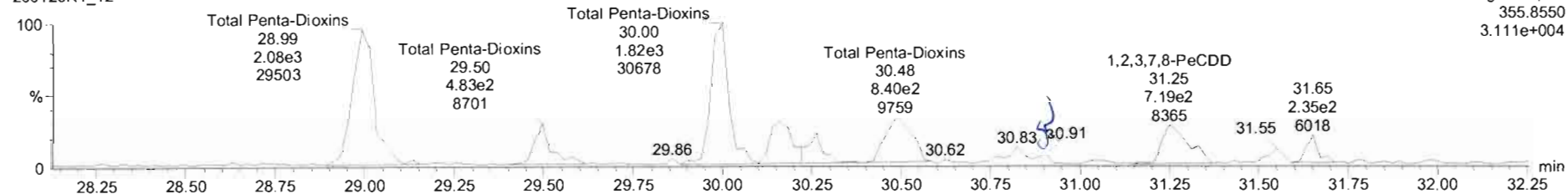
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1,2,3,7,8-PeCDD

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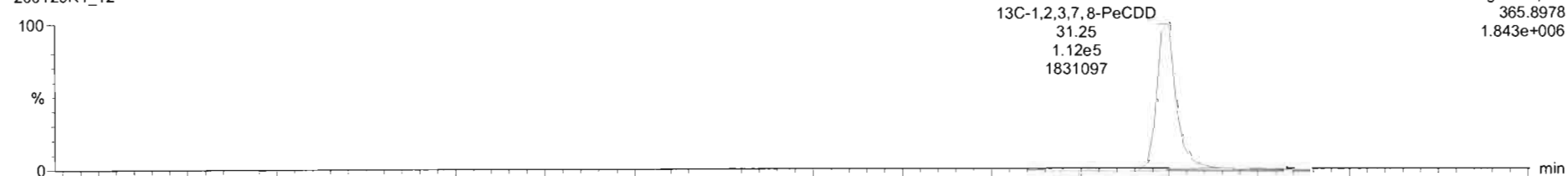


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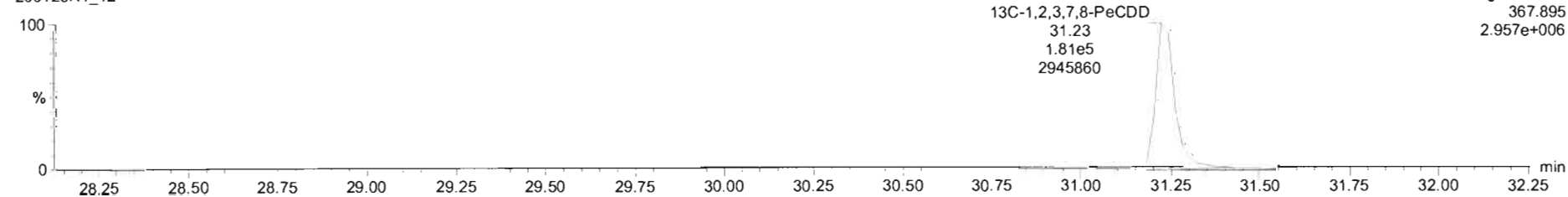


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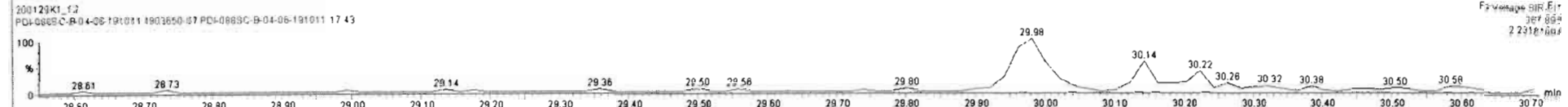
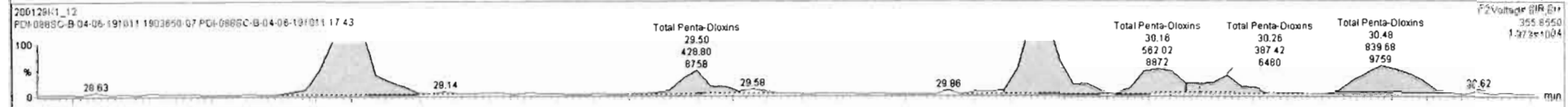
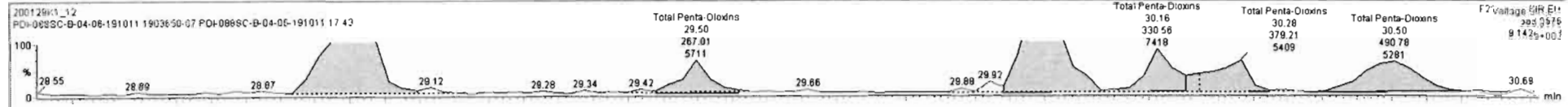
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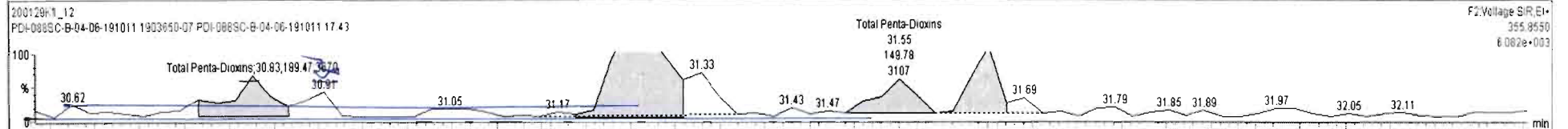
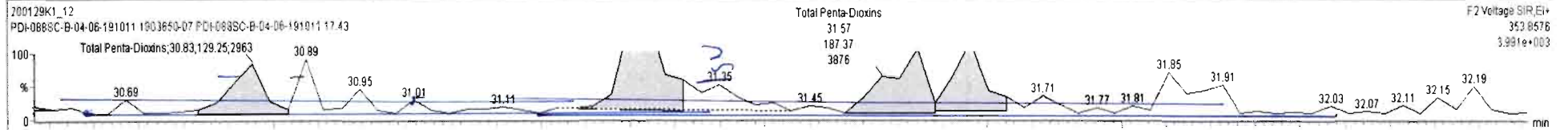
Name	Resp	RA	n/y	RRF	wt/wt	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.8974	10.023			7.15	0.338	8.81	
41 Total Hexa-Dioxins				1.0068	10.023			24.2	0.462	41.1	
42 Total Hepta-Dioxins				1.0622	10.023			324	1.81	324	
43 Total Tetra-Furans				0.9700	10.023			39.8	0.234	43.2	
44 1st Func. Penta-Furans				0.9980	10.023			22.0	0.0660	22.0	
45 Total Penta-Furans				0.9580	10.023			49.2	0.173	49.8	
46 Total Hexa-Furans				1.2131	10.023			68.3	0.380	76.9	
47 Total Hepta-Furans				1.1891	10.023			121	0.754	121	
48 PFK1											
49 PFK2											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Dioxins	28.99	1.188e3	2.061e3	0.58	NO	2.4679	2.4679
2 Total Penta-Dioxins	29.50	2.670e2	4.288e2	0.62	NO	0.52852	0.52852
3 Total Penta-Dioxins	30.00	1.141e3	1.783e3	0.64	NO	2.2211	2.2211
4 Total Penta-Dioxins	30.16	3.306e2	5.620e2	0.59	NO	0.67798	0.67798
5 Total Penta-Dioxins	30.28	3.792e2	3.874e2	0.98	YES	0.47967	0.00000
6 Total Penta-Dioxins	30.50	4.908e2	8.397e2	0.58	NO	1.0106	1.0106
7 Total Penta-Dioxins	30.83	1.292e2	1.695e2	0.68	NO	0.24209	0.24209
8 Total Penta-Dioxins	30.89	6.891e1	7.583e1	0.92	YES	0.094012	0.00000



Name	Resp	RA	nly	RFI	wthrd	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.8974	10.023			7.15		0.339	8.86
41 Total Hexa-Dioxins				1.0068	10.023			24.2		0.462	41.1
42 Total Hepta-Dioxins				1.0622	10.023			324		1.91	324
43 Total Tetra-Furans				0.9700	10.023			39.8		0.234	43.2
44 1st Func. Penta-Furans				0.9580	10.023			22.0		0.0660	22.0
45 Total Penta-Furans				0.9580	10.023			49.2		0.173	49.8
46 Total Hexa-Furans				1.2131	10.023			68.3		0.380	76.9
47 Total Hepta-Furans				1.1891	10.023			121		0.754	121
48 PFK1											
49 PFK2											

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Penta-Dioxins	26.99	1.188e3	2.061e3	0.58	NO	2.4679	2.4679
2 Total Penta-Dioxins	29.50	2.670e2	4.288e2	0.62	NO	0.52852	0.52852
3 Total Penta-Dioxins	30.00	1.141e3	1.783e3	0.64	NO	2.2211	2.2211
4 Total Penta-Dioxins	30.16	3.306e2	5.620e2	0.59	NO	0.67798	0.67798
5 Total Penta-Dioxins	30.28	3.792e2	3.874e2	0.98	YES	0.47967	0.00000
6 Total Penta-Dioxins	30.50	4.908e2	8.397e2	0.58	NO	1.0106	1.0106
7 Total Penta-Dioxins	30.83	1.292e2	1.895e2	0.68	NO	0.24209	0.24209
8 1,2,3,7,8-PeCDD	31.27	3.058e2	5.651e2	0.52	YES	0.60103	0.00000



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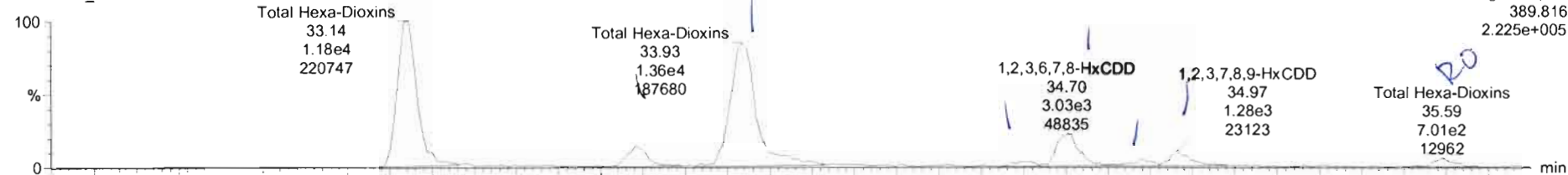
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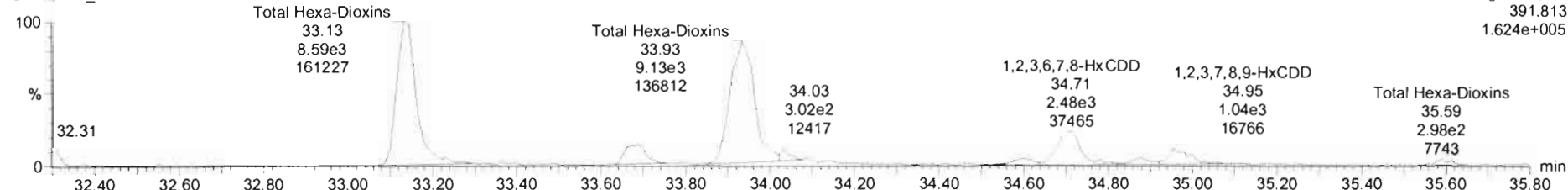
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1,2,3,4,7,8-HxCDD

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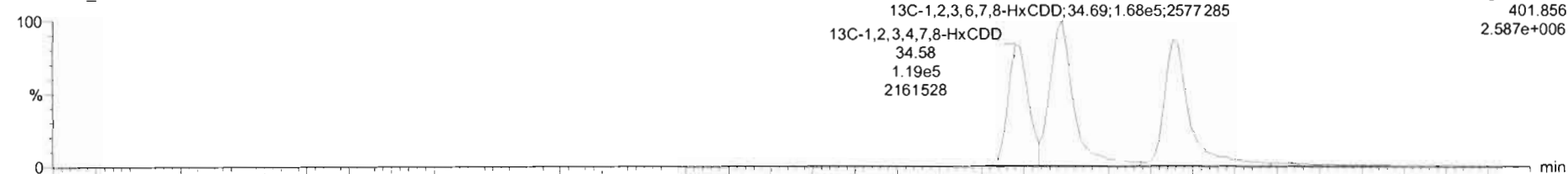


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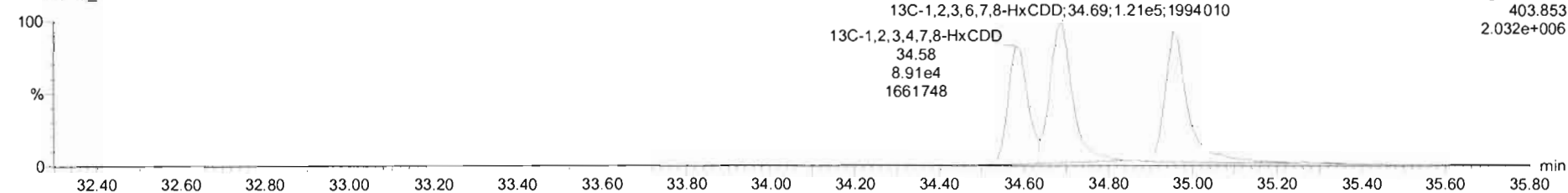


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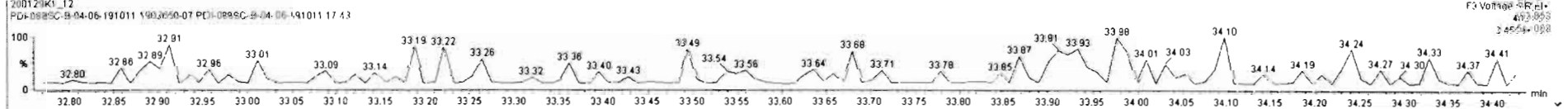
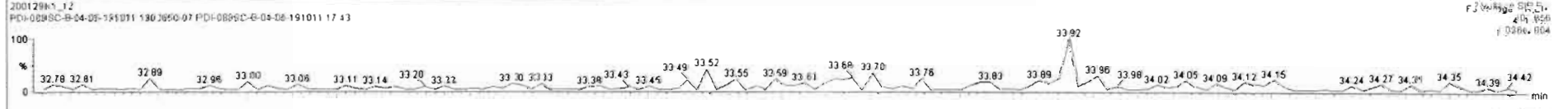
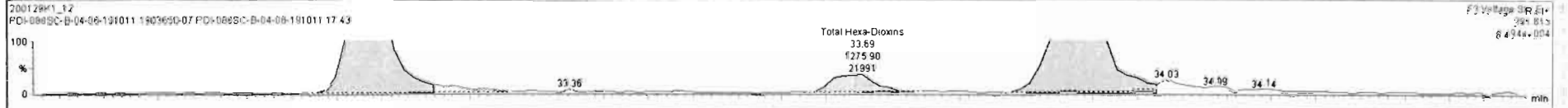
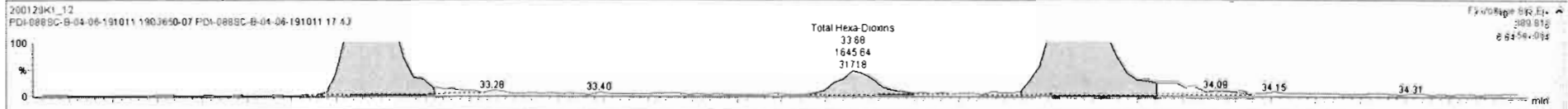
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200129K1_12 - 1903650-07 PDI-0885C-B-04-06-191011 17.43 - PDI-0885C-B-04-06-191011

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.8974	10.023			7.15	0.338	8.86	
41 Total Hexa-Dioxins				1.0068	10.023			40.8	0.482	41.4	
42 Total Hepta-Dioxins				1.0622	10.023			324	1.91	324	
43 Total Tetra-Furans				0.9700	10.023			39.8	0.234	43.2	
44 1st Func. Penta-Furans				0.9580	10.023			22.0	0.0660	22.0	
45 Total Penta-Furans				0.9580	10.023			49.2	0.173	49.8	
46 Total Hexa-Furans				1.2131	10.023			68.3	0.380	76.9	
47 Total Hepta-Furans				1.1891	10.023			121	0.754	121	
48 PFK1											
49 PFK2											

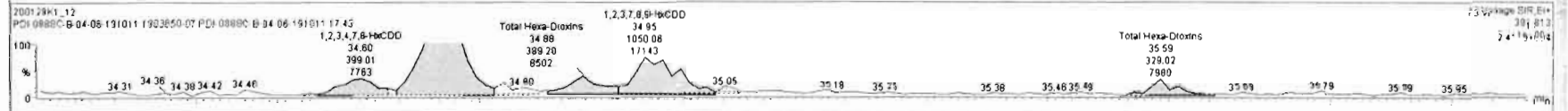
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	33.14	1.153e4	8.360e3	1.39	NO	15.442	15.442
2 Total Hexa-Dioxins	33.68	1.646e3	1.276e3	1.29	NO	2.2563	2.2563
3 Total Hexa-Dioxins	33.93	1.268e4	9.453e3	1.34	NO	17.103	17.103
4 1,2,3,4,7,8-HxCDD	34.59	4.309e2	3.896e2	1.08	NO	0.68230	0.68230
5 1,2,3,6,7,8-HxCDD	34.70	2.833e3	2.311e3	1.27	NO	3.5863	3.5863
6 1,2,3,7,8,9-HxCDD	34.97	1.281e3	1.050e3	1.22	NO	1.7341	1.7341
7 Total Hexa-Dioxins	35.59	6.806e2	3.290e2	2.07	YES	0.58919	0.00000



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#	Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
40	Total Penta-Dioxins				0.8974	10.023			7.15		0.339	8.66
41	Total Hexa-Dioxins				1.0088	10.023			41.5		0.482	42.1
42	Total Hepta-Dioxins				1.0622	10.023			324		1.91	324
43	Total Tetra-Furans				0.9700	10.023			36.8		0.234	43.2
44	1st Func. Penta-Furans				0.9580	10.023			22.0		0.0660	22.0
45	Total Penta-Furans				0.9580	10.023			48.2		0.173	48.8
46	Total Hexa-Furans				1.2131	10.023			66.3		0.380	76.8
47	Total Hepta-Furans				1.1881	10.023			121		0.754	121
48	PFK1											
49	PFK2											

#	Name	RT	int Resp	m2 Resp	RA	nly	EMPC	Conc
1	Total Hexa-Dioxins	33.14	1.183e4	8.360e3	1.38	NO	15.442	15.442
2	Total Hexa-Dioxins	33.68	1.648e3	1.276e3	1.29	NO	2.2563	2.2563
3	Total Hexa-Dioxins	33.93	1.269e4	9.453e3	1.34	NO	17.103	17.103
4	1,2,3,4,7,8-HxCDD	34.59	4.306e2	3.990e2	1.08	NO	0.68730	0.68730
5	1,2,3,7,8-HxCDD	34.70	2.933e3	2.311e3	1.27	NO	3.5863	3.5863
6	Total Hexa-Dioxins	34.88	5.169e2	3.892e2	1.33	NO	0.69873	0.69873
7	1,2,3,7,8-HxCDD	34.97	1.291e3	1.050e3	1.22	NO	1.7341	1.7341
8	Total Hexa-Dioxins	35.59	6.806e2	3.290e2	2.07	YES	0.56919	0.00000



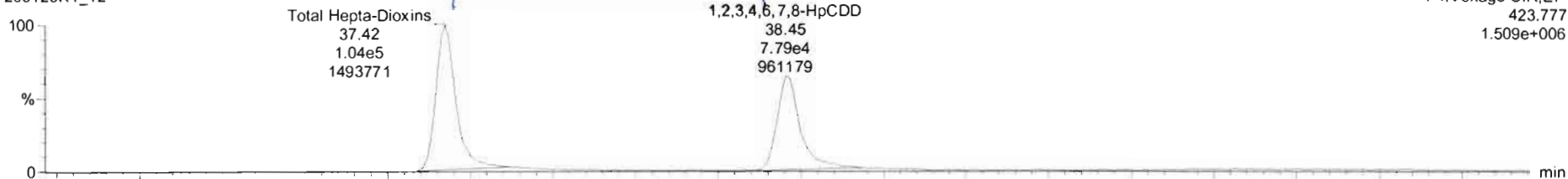
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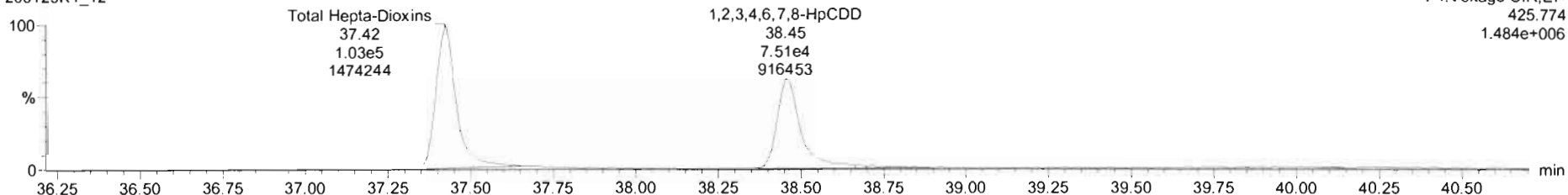
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1,2,3,4,6,7,8-HpCDD

200129K1_12

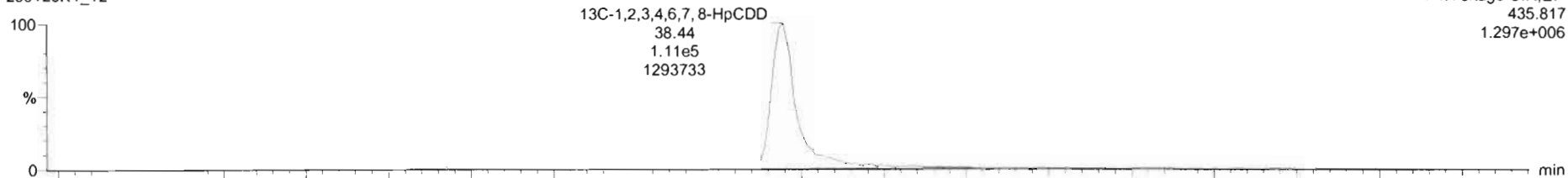


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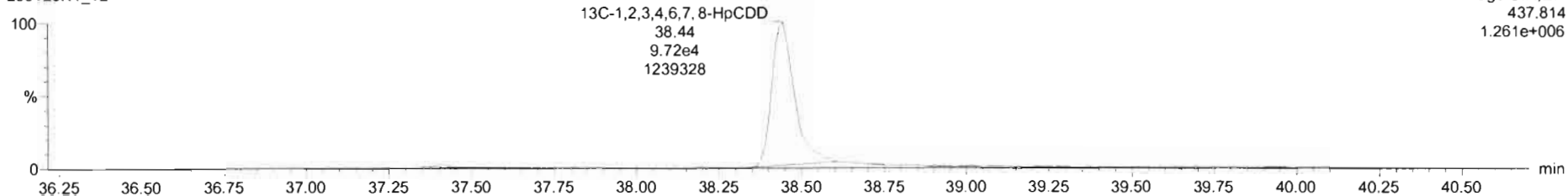


13C-1,2,3,4,6,7,8-HpCDD

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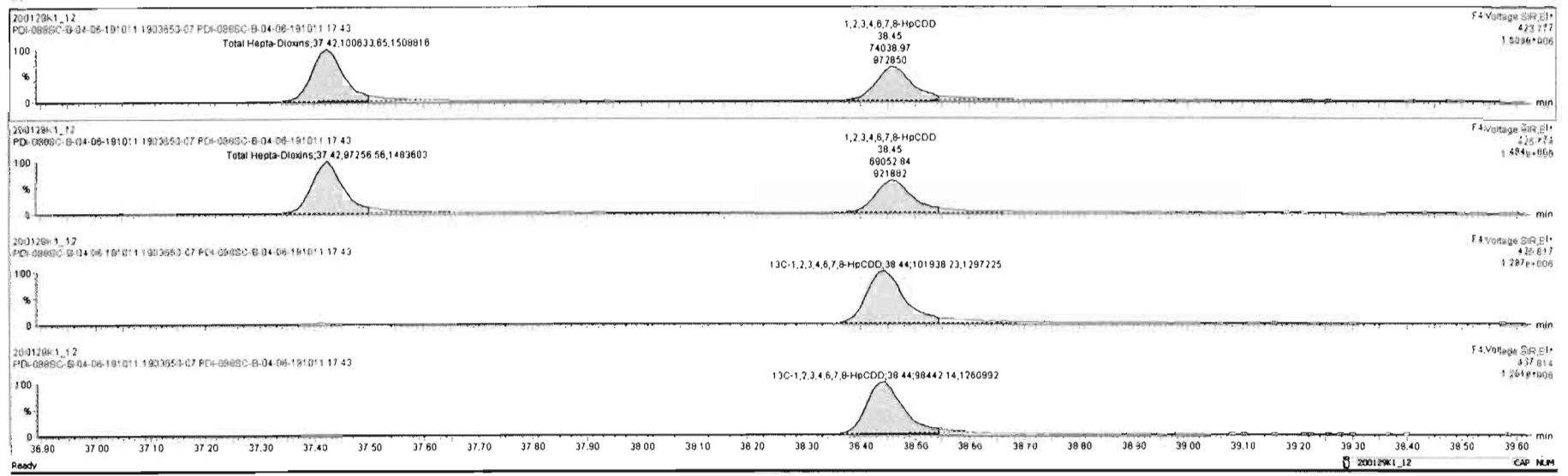


200129K1_12



#	Name	Resp	RA	nly	RRF	wWol	RT	RRT	Conc	%Rec	DL	EMPC
40	Total Penta-Dioxins				0.9674	10.023			7.15	0.339	6.66	
41	Total Hexa-Dioxins				1.0068	10.023			41.5	0.482	42.1	
42	Total Hepta-Dioxins				1.0622	10.023			320	1.82	320	
43	Total Tetra-Furans				0.9700	10.023			39.8	0.234	43.2	
44	1st Func. Penta-Furans				0.9590	10.023			22.0	0.0660	22.0	
45	Total Penta-Furans				0.9590	10.023			49.2	0.173	49.8	
46	Total Hexa-Furans				1.2131	10.023			68.3	0.360	76.9	
47	Total Hepta-Furans				1.1891	10.023			121	0.754	121	
48	PFK1											
49	PFK2											

#	Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1	Total Hepta-Dioxins	37.42	1.006e5	9.726e4	1.03	NO	185.52	185.52
2	1,2,3,4,6,7,8-HpCDD	38.45	7.404e4	6.905e4	1.07	NO	134.14	134.14

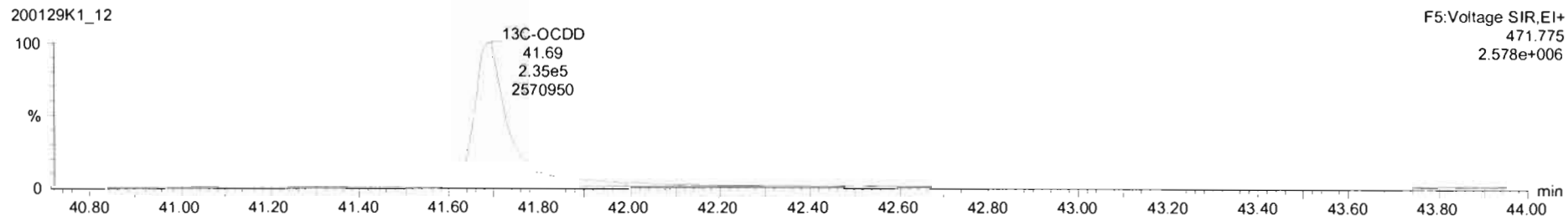
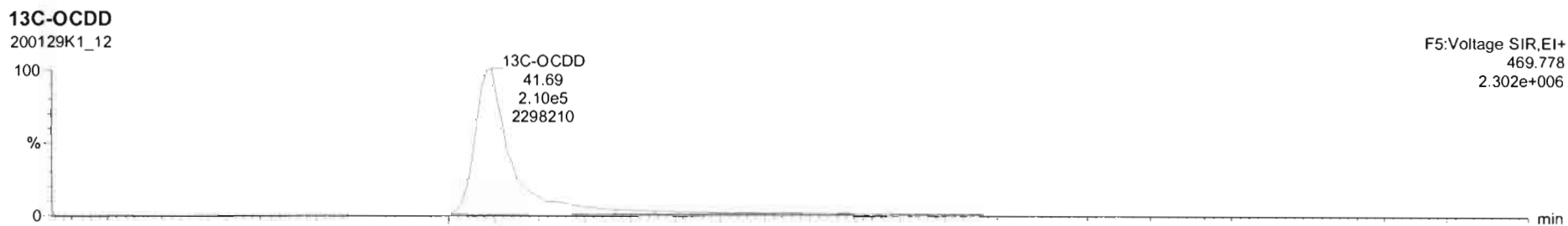
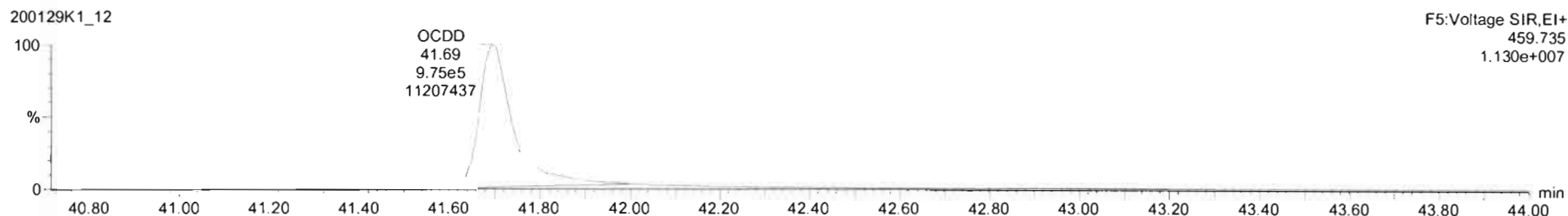
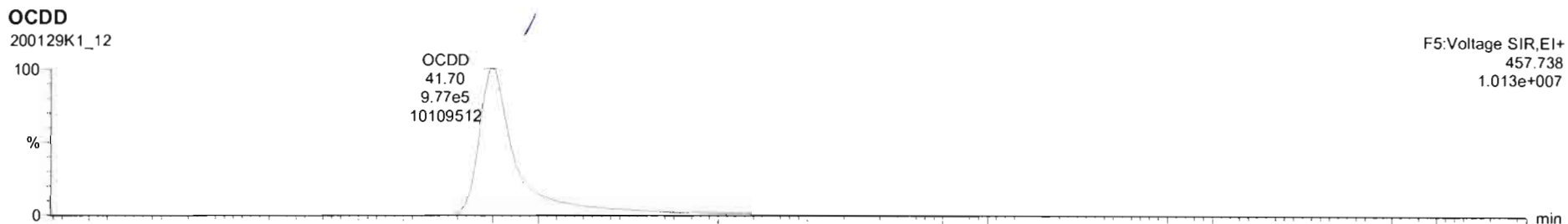


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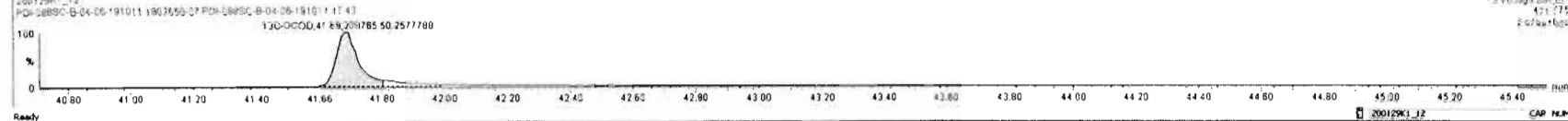
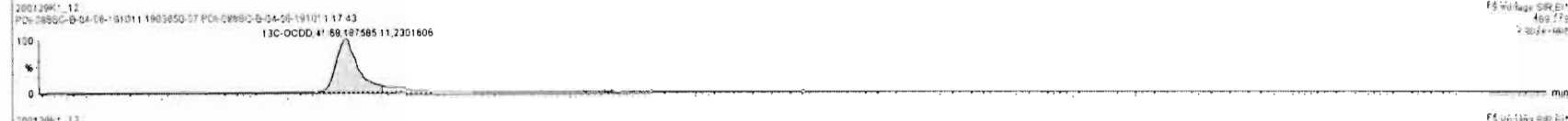
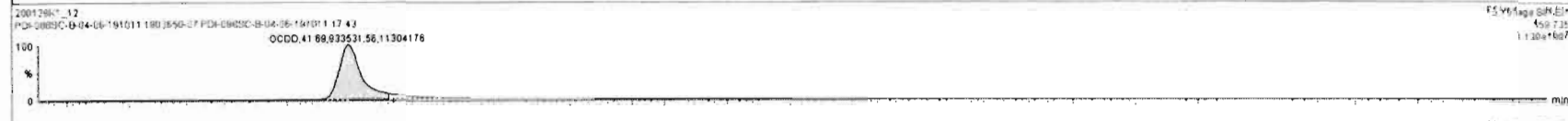
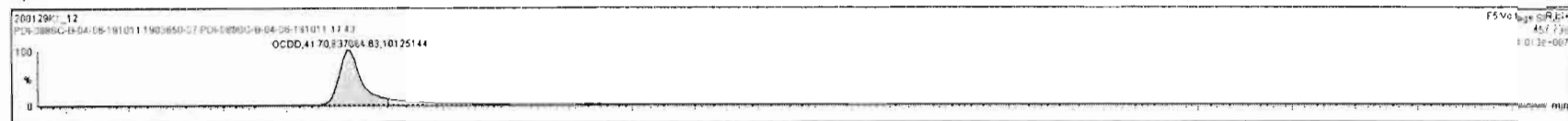
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200129K1_12 - 1903650-07.PDI-0885-B-04-06-191011-17.43 - F5 Vol% SR.EI*

#	Name	Resp	RA	n/y	RRF	wt/mol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	7.68e2	0.46	YES	0.8431	10.023	26.09	1.001	0.420		0.200	0.302
2	1,2,3,7,8-PeCDD	1.12e3	0.56	NO	0.8974	10.023	31.27	1.001	0.850		0.339	0.850
3	1,2,3,4,7,8-HxCDD	7.98e2	1.00	YES	1.1680	10.023	34.58	1.000	0.856		0.426	0.582
4	1,2,3,6,7,8-HxCDD	5.51e3	1.22	NO	1.0068	10.023	34.70	1.000	3.78		0.421	3.78
5	1,2,3,7,8,9-HxCDD	2.32e3	1.22	NO	0.9820	10.023	34.97	1.000	1.73		0.483	1.73
6	1,2,3,4,6,7,8-HpCDD	1.53e5	1.04	NO	1.0822	10.023	38.46	1.000	136		1.91	136
7	OCDD	1.77e6	0.90	NO	1.0440	10.023	41.70	1.000	1700		2.36	1700
8	2,3,7,8-TCDF	2.30e4	0.82	NO	0.8700	10.023	25.08	1.001	8.46		0.234	8.46
9	1,2,3,7,8-PeCDF	2.89e4	1.53	NO	0.9580	10.023	29.94	1.001	13.2		0.184	13.2
10	1,2,3,4,7,8-HxCDF	7.70e4	1.40	NO	1.0014	10.023	35.04	1.001	0.771		0.441	0.771

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



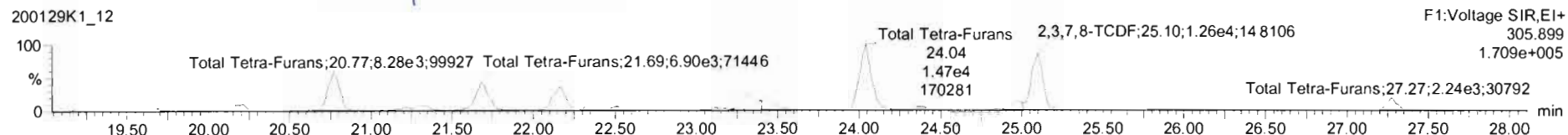
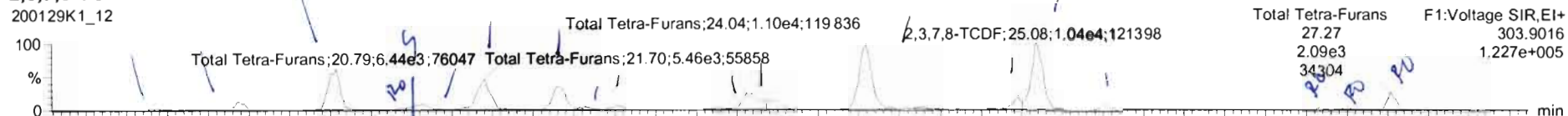
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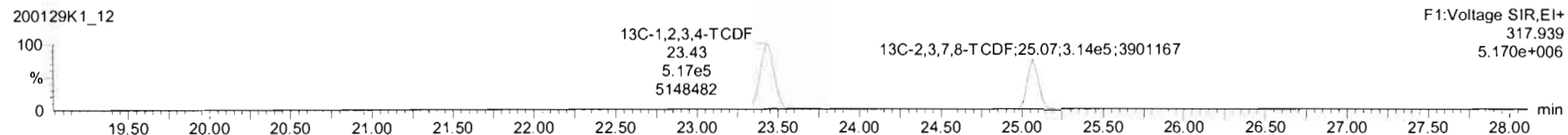
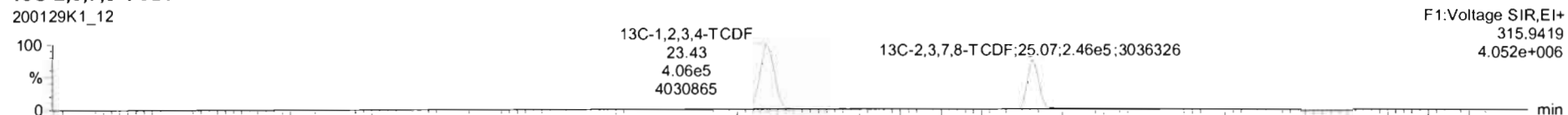
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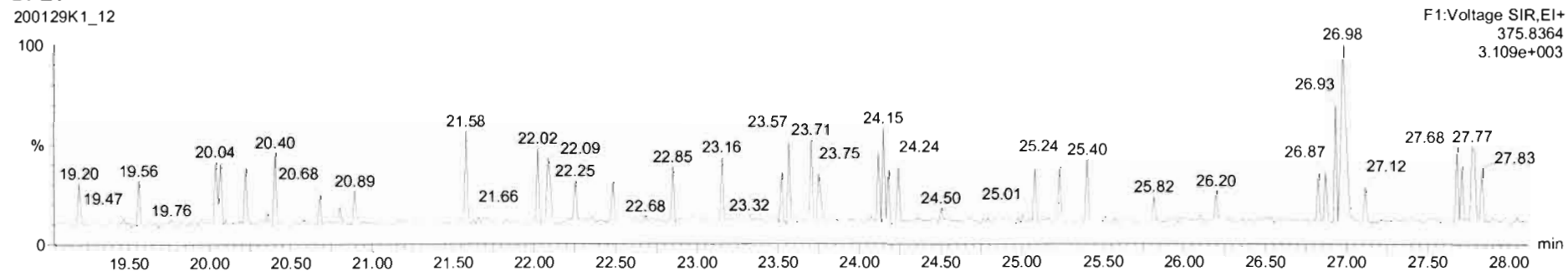
2,3,7,8-TCDF



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

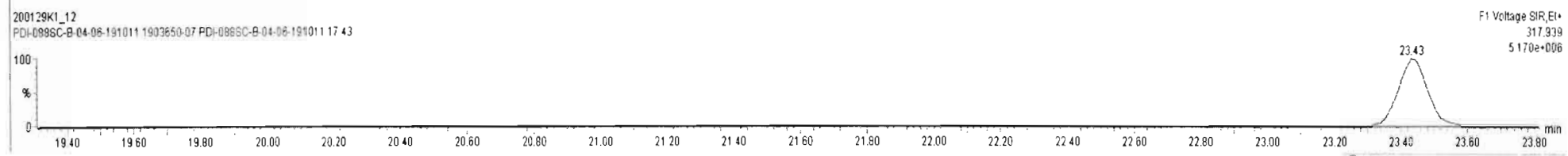
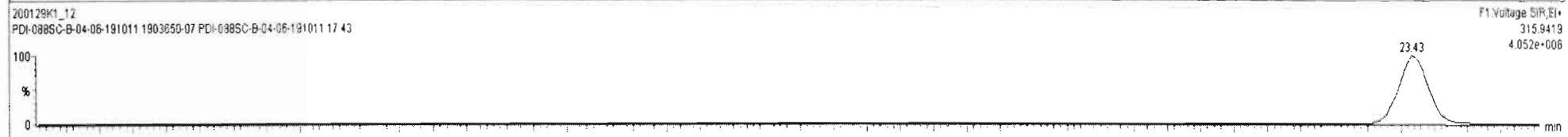
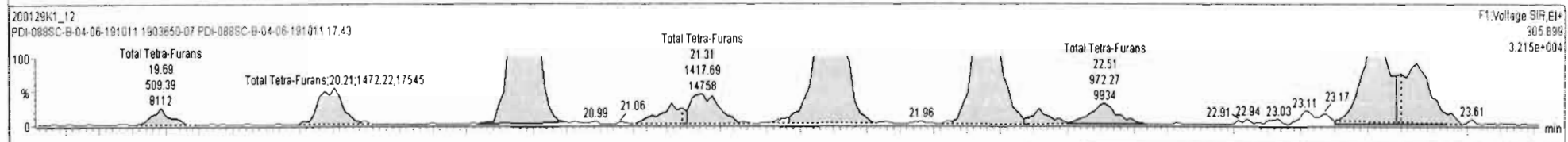
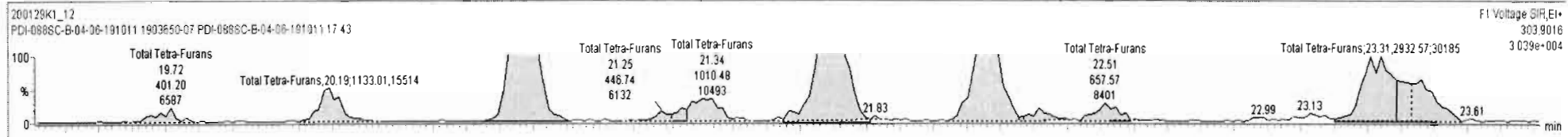


DPE1



Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.8974	10.023			7.15		0.339	8.66
41 Total Hexa-Dioxins				1.0068	10.023			41.5		0.462	42.1
42 Total Hepta-Dioxins				1.0622	10.023			320		1.82	320
43 Total Tetra-Furans				0.9700	10.023			41.3		0.234	43.5
44 1st Func. Penta-Furans				0.9580	10.023			22.0		0.0660	22.0
45 Total Penta-Furans				0.9580	10.023			49.2		0.173	49.8
46 Total Hexa-Furans				1.2131	10.023			68.3		0.380	76.9
47 Total Hepta-Furans				1.1891	10.023			121		0.754	121
48 PFK1											
49 PFK2											

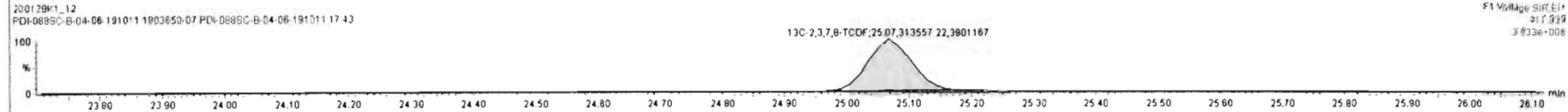
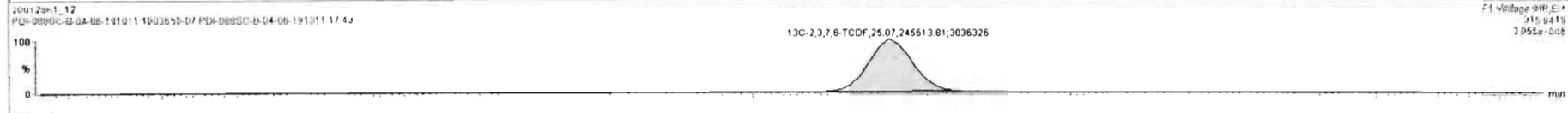
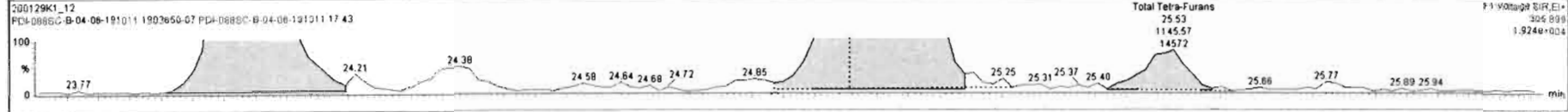
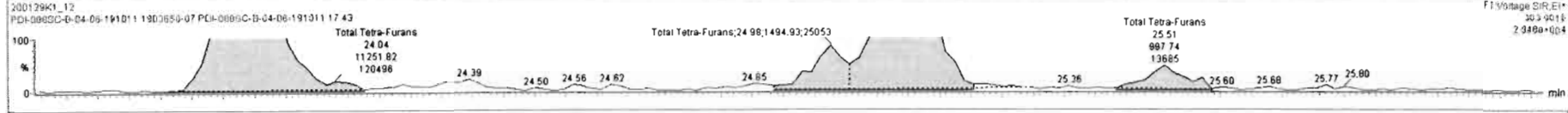
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	19.72	4.012e2	5.094e2	0.79	NO	0.33499	0.33499
2 Total Tetra-Furans	20.19	1.133e3	1.472e3	0.77	NO	0.95842	0.95842
3 Total Tetra-Furans	20.79	6.443e3	8.284e3	0.78	NO	5.4180	5.4180
4 Total Tetra-Furans	21.25	4.467e2	8.054e2	0.55	YES	0.37779	0.00000
5 Total Tetra-Furans	21.34	1.010e3	1.418e3	0.71	NO	0.89329	0.89329
6 Total Tetra-Furans	21.70	5.571e3	6.795e3	0.82	NO	4.5482	4.5482
7 Total Tetra-Furans	22.15	4.173e3	5.623e3	0.74	NO	3.6041	3.6041
8 Total Tetra-Furans	22.32	3.978e2	4.887e2	0.81	NO	0.32614	0.32614



200129K1_12 - 1903650-07 PDI-0885C-B-04-06-191011 17 43 - PDI-0835C-B-04-06-191011

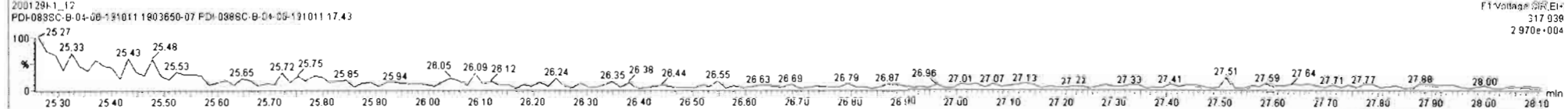
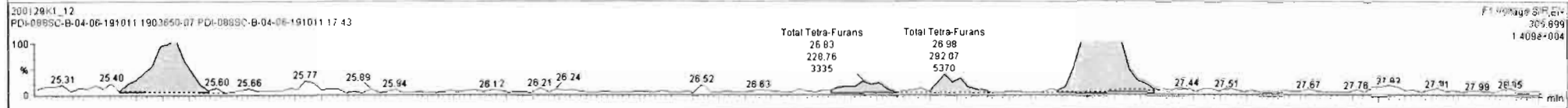
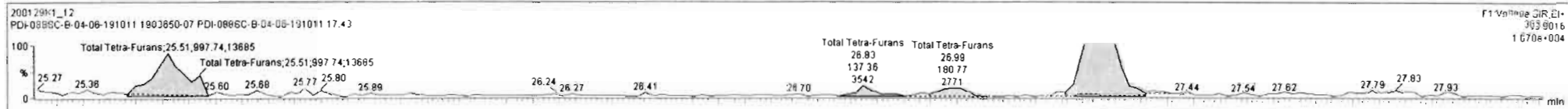
Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.8974	10.023			7.15		0.338	8.86
41 Total Hexa-Dioxins				1.0068	10.023			41.6		0.462	42.1
42 Total Hepta-Dioxins				1.0622	10.023			320		1.82	320
43 Total Tetra-Furans				0.9700	10.023			41.3		0.234	43.5
44 1st Func. Penta-Furans				0.9580	10.023			22.0		0.0660	22.0
45 Total Penta-Furans				0.9580	10.023			49.2		0.173	49.8
46 Total Hexa-Furans				1.2131	10.023			68.3		0.380	75.9
47 Total Hepta-Furans				1.1891	10.023			121		0.754	121
48 PFK1											
49 PFK2											

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
7 Total Tetra-Furans	22.15	4.173e3	5.623e3	0.74	NO	3.6041	3.6041
8 Total Tetra-Furans	22.32	3.979e2	4.867e2	0.81	NO	0.32614	0.32614
9 Total Tetra-Furans	22.51	6.576e2	9.723e2	0.68	NO	0.59959	0.59959
10 Total Tetra-Furans	23.31	2.933e3	4.131e3	0.71	NO	2.5984	2.5984
11 Total Tetra-Furans	23.46	2.423e3	3.180e3	0.76	NO	2.0808	2.0808
12 Total Tetra-Furans	24.04	1.125e4	1.471e4	0.76	NO	9.5518	9.5518
13 Total Tetra-Furans	24.98	1.485e3	1.777e3	0.84	NO	1.2038	1.2038
14 1,2,3,7,8-TCDF	25.06	1.046e4	1.249e4	0.84	NO	8.4484	8.4484



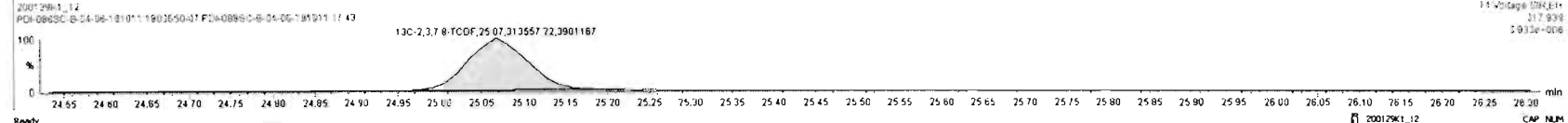
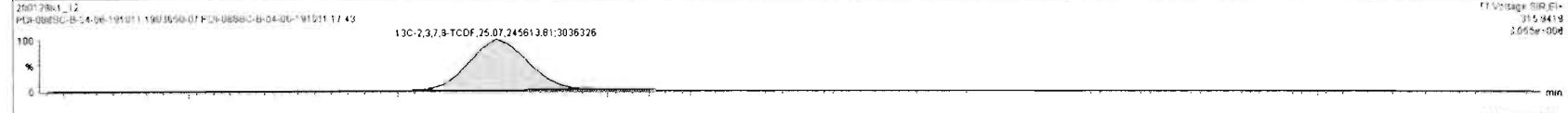
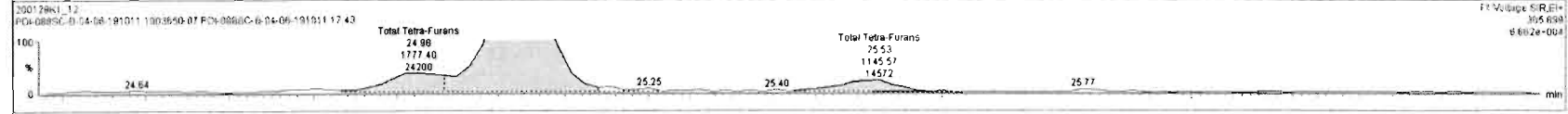
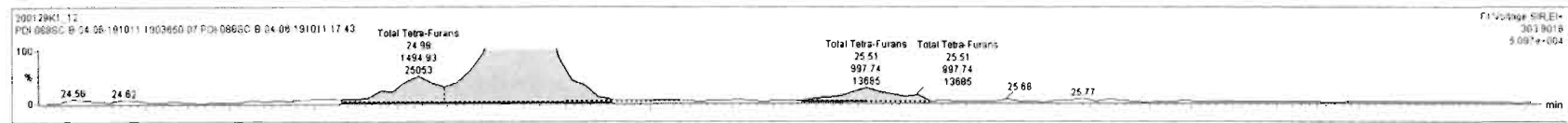
Name	Resp	RA	nly	RFIF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.8974	10.023			7.15		0.339	8.66
41 Total Hexa-Dioxins				1.0068	10.023			41.5		0.462	42.1
42 Total Hepta-Dioxins				1.0622	10.023			320		1.82	320
43 Total Tetra-Furans				0.9700	10.023			41.3		0.234	43.5
44 1st Func. Penta-Furans				0.9580	10.023			22.0		0.0680	22.0
45 Total Penta-Furans				0.9580	10.023			49.2		0.173	49.8
46 Total Hexa-Furans				1.2131	10.023			68.3		0.380	76.9
47 Total Hepta-Furans				1.1891	10.023			121		0.754	121
48 PFK1											
49 PFK2											

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
7 Total Tetra-Furans	22.15	4.173e3	5.623e3	0.74	NO	3.6041	3.6041
8 Total Tetra-Furans	22.32	3.979e2	4.887e2	0.81	NO	0.32614	0.32614
9 Total Tetra-Furans	22.51	6.576e2	9.723e2	0.68	NO	0.59859	0.59859
10 Total Tetra-Furans	23.31	2.833e3	4.131e3	0.71	NO	2.5984	2.5984
11 Total Tetra-Furans	23.48	2.422e3	3.180e3	0.76	NO	2.0600	2.0600
12 Total Tetra-Furans	24.04	1.125e4	1.471e4	0.76	NO	9.5518	9.5518
13 Total Tetra-Furans	24.98	1.495e3	1.777e3	0.84	NO	1.2038	1.2038
14 2,3,7,8-TCDF	25.08	1.046e4	1.249e4	0.84	NO	8.4464	8.4464



#	Name	Resp	RA	n/y	R/R	wt/wt	RT	RT1	Conc.	%Rec	DL	EMPC
40	Total Penta-Dioxins				0.0974	10.023			7.15		0.338	0.980
41	Total Hexa-Dioxins				1.0066	10.023			41.5		0.463	42.1
42	Total Hepta-Dioxins				1.0822	10.023			320		1.82	320
43	Total Tetra-Furans				0.9700	10.023			41.3	0.334	43.5	
44	1st Func. Penta-Furans				0.8590	10.023			22.0	0.0660	22.0	
45	Total Penta-Furans				0.9580	10.023			48.2	0.173	48.8	
46	Total Hexa-Furans				1.2131	10.023			66.3	0.380	76.9	
47	Total Hepta-Furans				1.1891	10.023			121	0.754	121	
48	PFK1											
49	PFK2											

#	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
12	Total Tetra-Furans	24.04	1.125e4	1.471e4	0.76	NO	8.5518	8.5518
13	Total Tetra-Furans	24.99	1.495e3	1.777e3	0.84	NO	1.2026	1.2026
14	2,3,7,8-TCDF	25.08	1.046e4	1.245e4	0.84	NO	8.4484	8.4484
15	Total Tetra-Furans	25.51	9.977e2	1.145e3	0.87	NO	0.78849	0.78849
16	Total Tetra-Furans	26.82	1.324e2	2.286e2	0.58	YES	0.11616	0.00000
17	Total Tetra-Furans	26.89	1.806e2	2.921e2	0.62	YES	0.15287	0.00000
18	Total Tetra-Furans	27.27	2.072e2	2.316e2	0.89	YES	1.5078	0.00000



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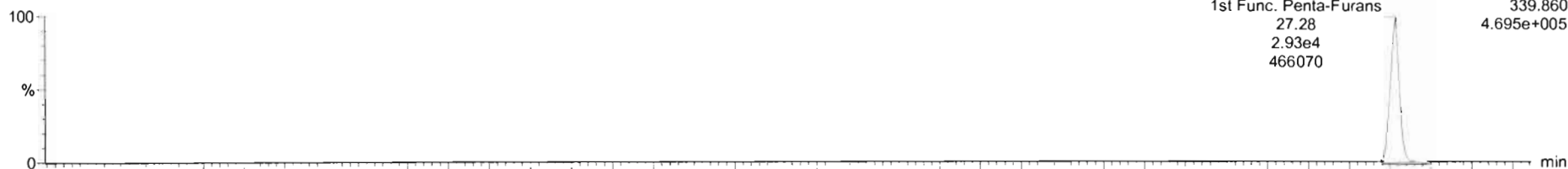
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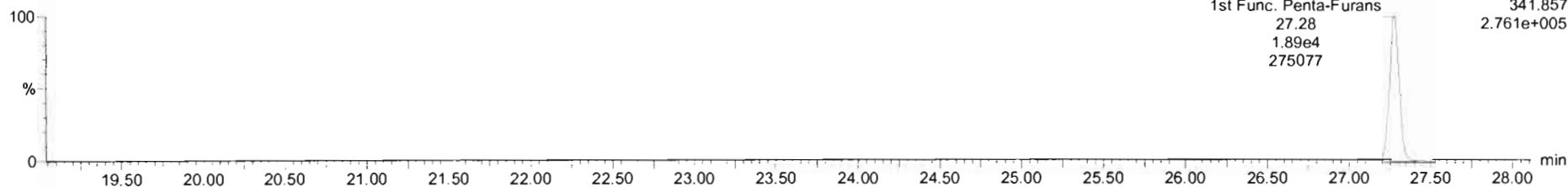
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1st Func. Penta-Furans

200129K1_12

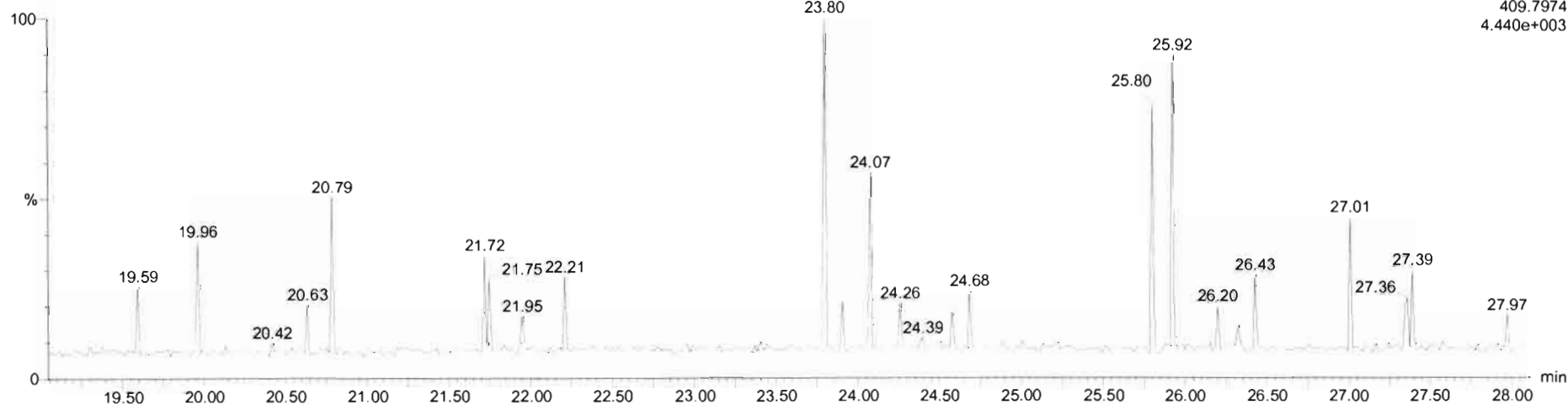


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DPE6

200129K1_12

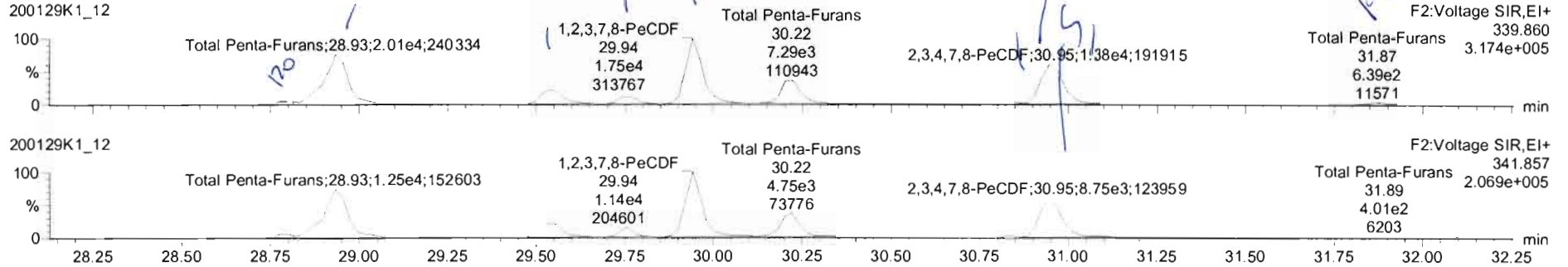


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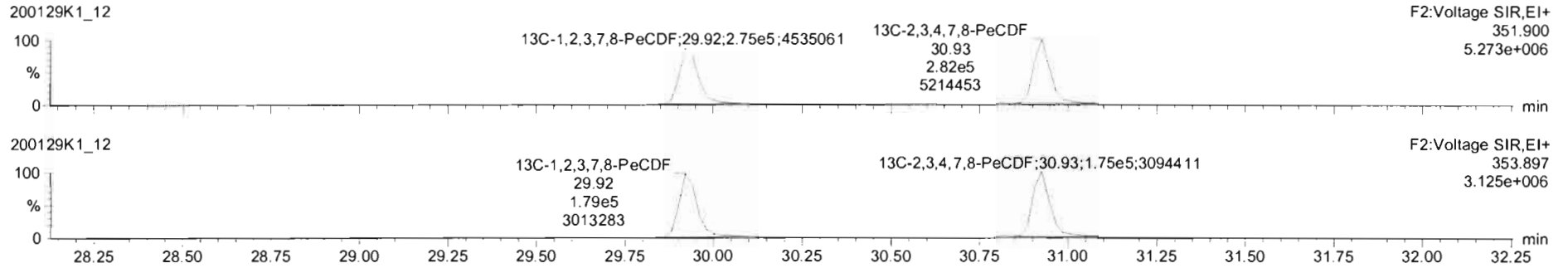
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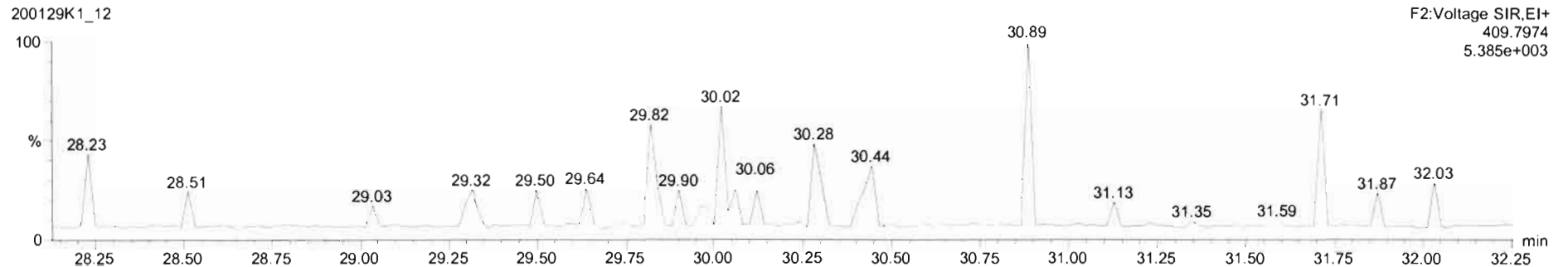
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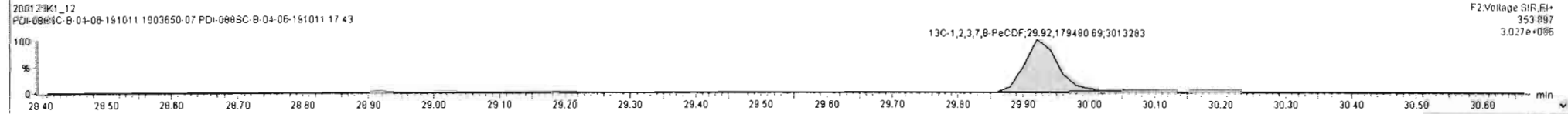
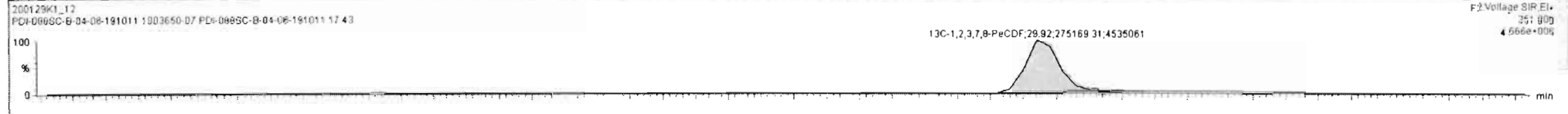
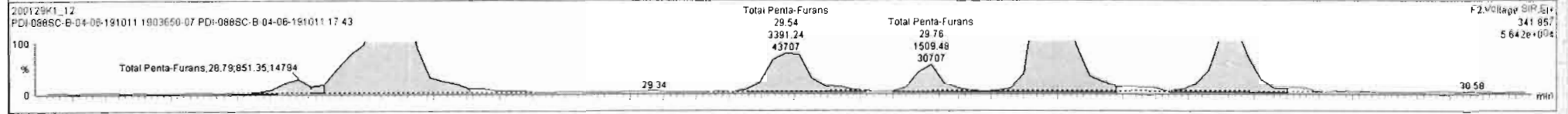
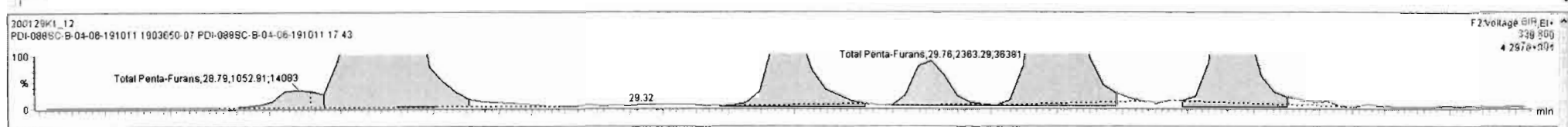


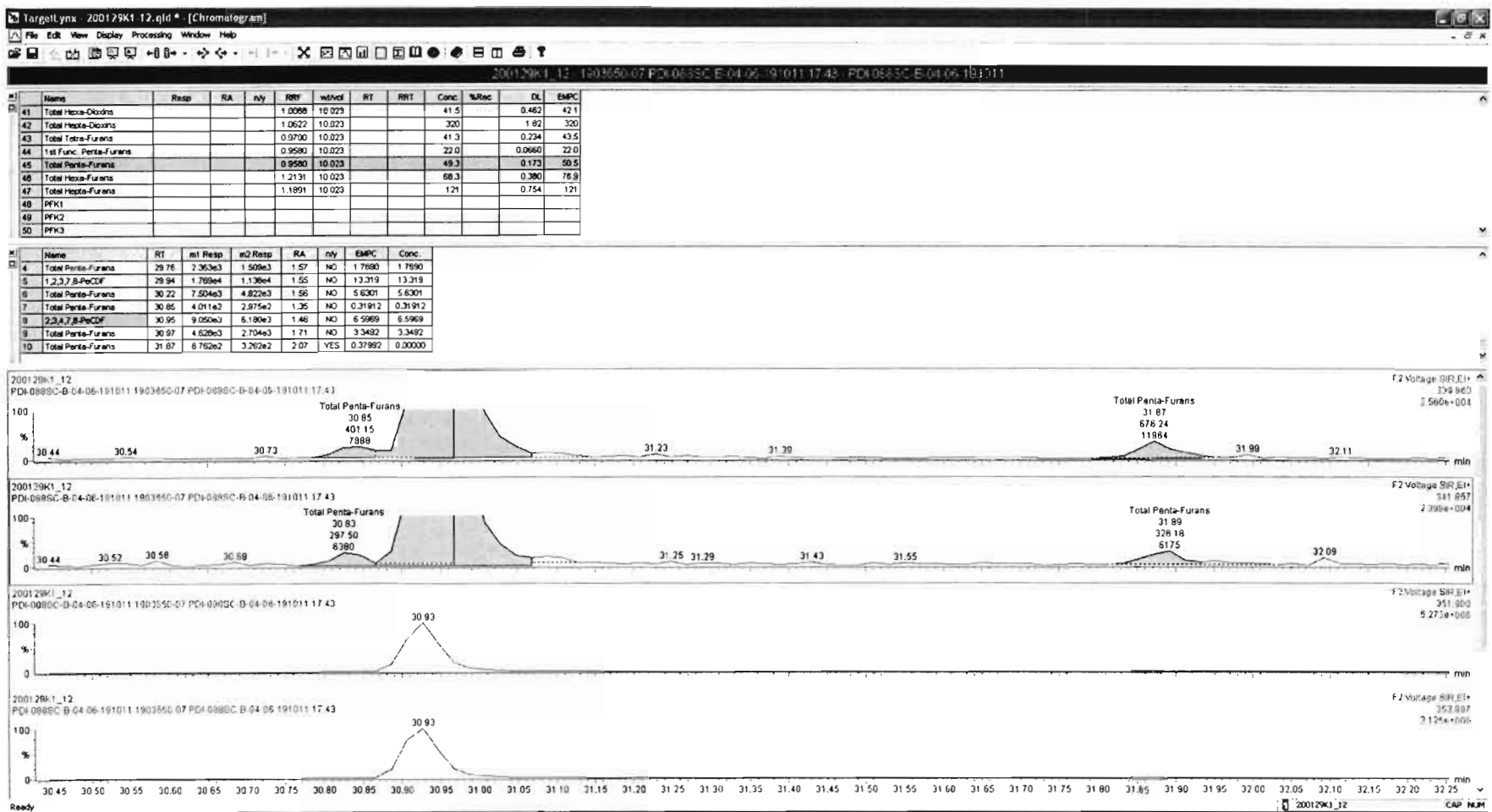
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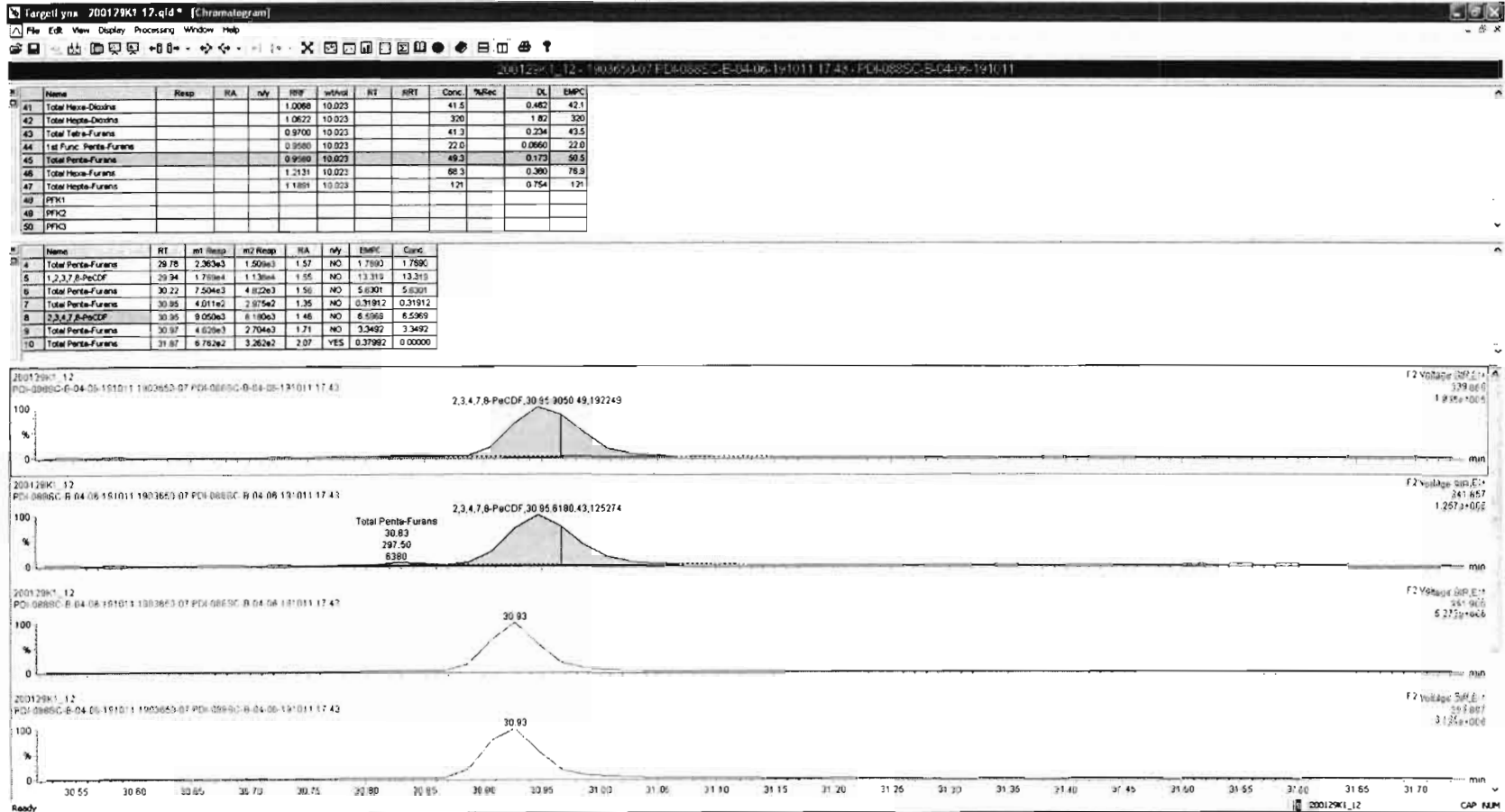


Name	Resp	RA	rvy	RRT	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				0.8974	10.023			7.15		0.339	6.66
41 Total Hexa-Dioxins				1.0068	10.023			41.5		0.462	42.1
42 Total Hepta-Dioxins				1.0622	10.023			320		1.82	320
43 Total Tetra-Furans				0.9700	10.023			41.3		0.234	43.5
44 1st Func. Penta-Furans				0.9580	10.023			22.0		0.0660	22.0
45 Total Penta-Furans				0.9580	10.023			48.1		0.173	49.3
46 Total Hexa-Furans				1.2131	10.023			68.3		0.380	76.9
47 Total Hepta-Furans				1.1891	10.023			121		0.754	121
48 PFK1											
49 PFK2											

Name	RT	m1 Resp	m2 Resp	RA	rvy	EMPC	Conc.
2 Total Penta-Furans	28.93	1.948e4	1.201e4	1.62	NO	14.367	14.367
3 Total Penta-Furans	29.54	5.168e3	3.391e3	1.52	NO	3.9097	3.9097
4 Total Penta-Furans	29.76	2.363e3	1.509e3	1.57	NO	1.7690	1.7690
5 1,2,3,7,8-PeCDF	29.94	1.769e4	1.138e4	1.55	NO	13.319	13.319
6 Total Penta-Furans	30.22	7.504e3	4.822e3	1.56	NO	5.6301	5.6301
7 2,3,4,7,8-PeCDF	30.95	1.280e4	8.148e3	1.57	NO	9.0720	9.0720
8 Total Penta-Furans	31.87	7.108e2	3.262e2	2.18	YES	0.37992	0.00000







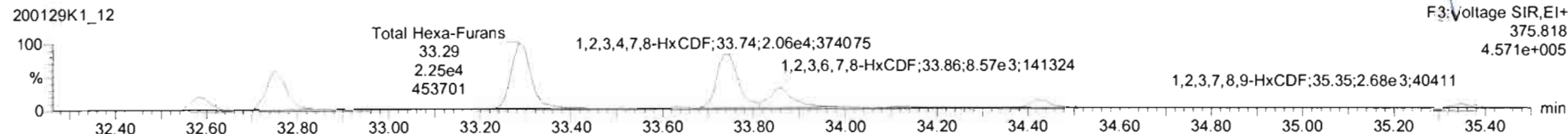
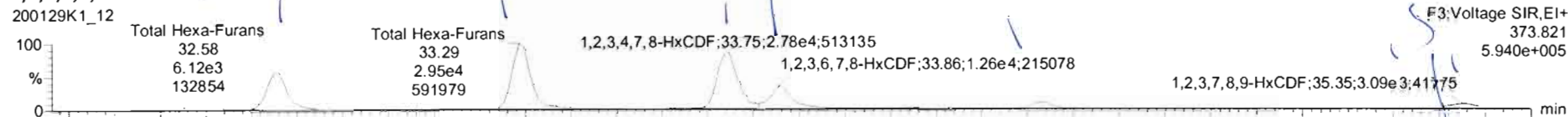
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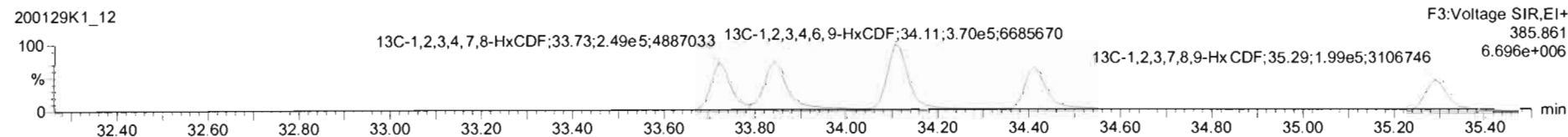
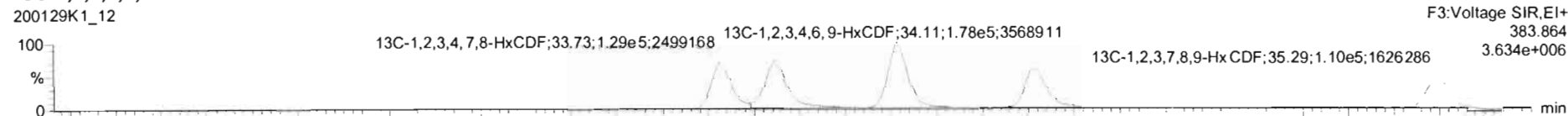
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Name: 200129K1_12, Date: 30-Jan-2020, Time: 00:03:24, ID: 1903650-07 PDI-088SC-B-04-06-191011 17.43, Description: PDI-088SC-B-04-06-191011

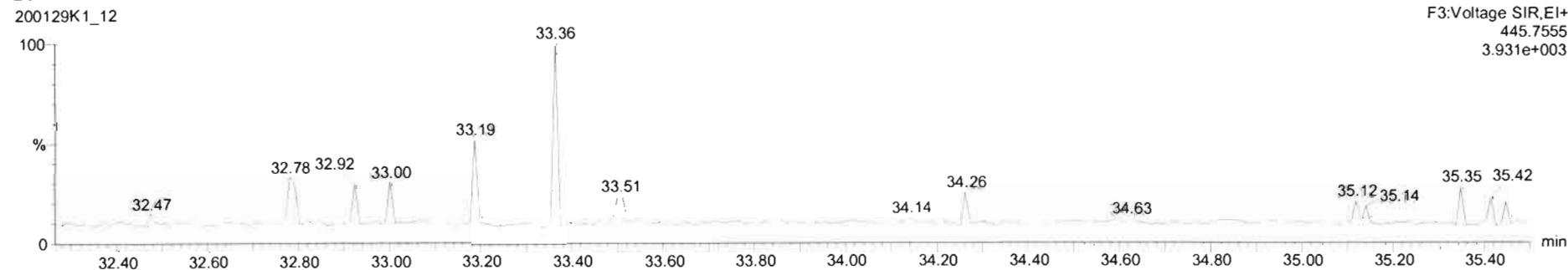
1,2,3,4,7,8-HxCDF



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



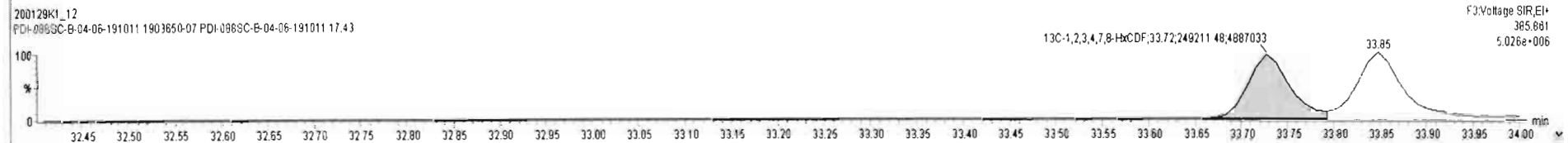
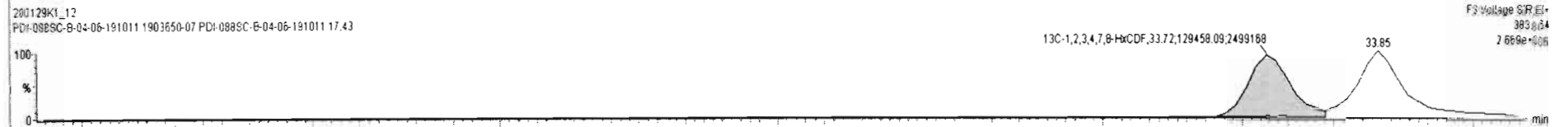
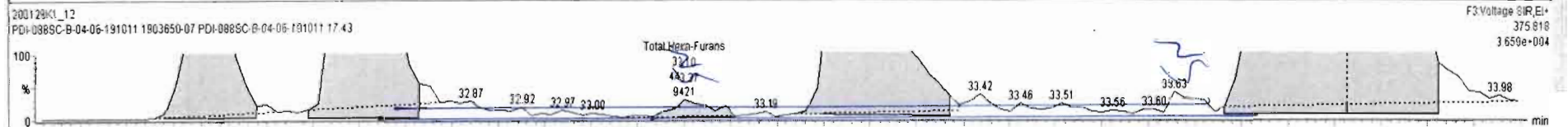
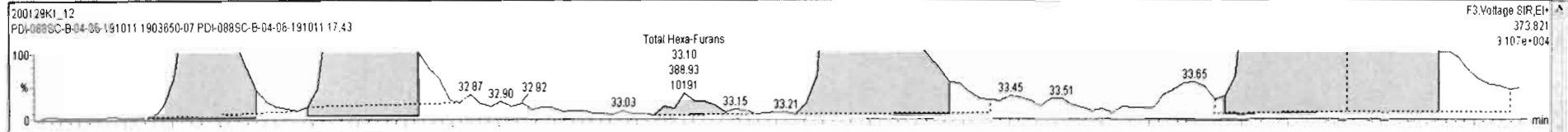
DPE3



200129K1_12 - 1903650-07 PDI-088SC-B-04-06-191011 17.43 - PDI-088SC-B-04-06-191011

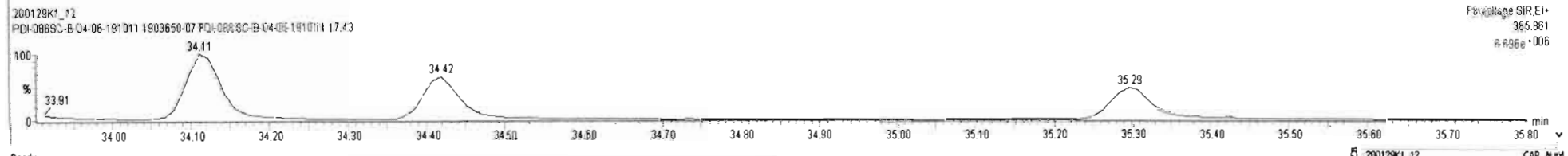
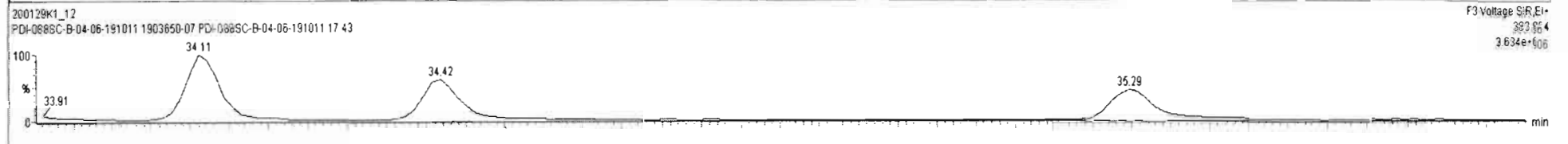
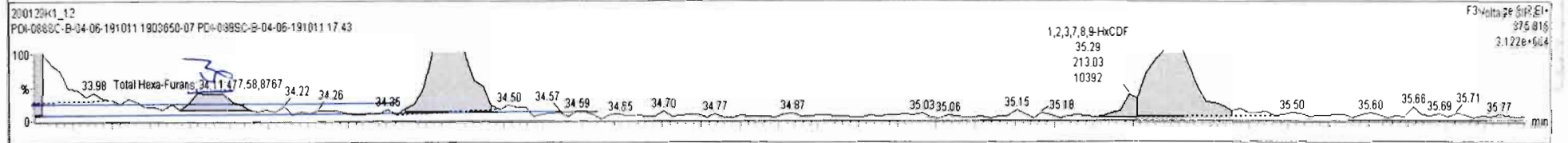
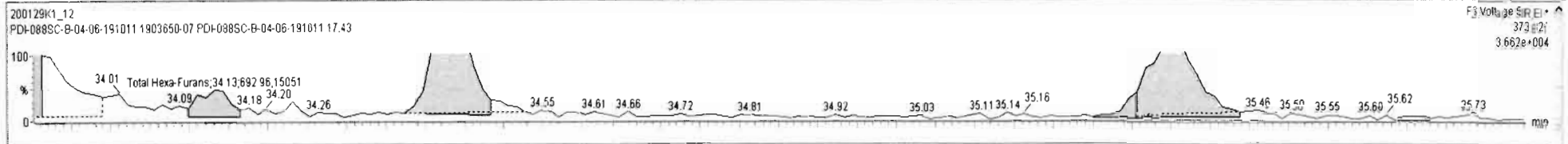
Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				1.0068	10.023			41.5	0.462	42.1	
42 Total Hepta-Dioxins				1.0622	10.023			320	1.82	320	
43 Total Tetra-Furans				0.9700	10.023			41.3	0.234	43.5	
44 1st Func. Penta-Furans				0.9580	10.023			22.0	0.0660	22.0	
45 Total Penta-Furans				0.9580	10.023			49.3	0.173	50.5	
46 Total Hexa-Furans				1.2131	10.023			75.5	0.380	76.3	
47 Total Hepta-Furans				1.1891	10.023			121	0.754	121	
48 PFK1											
49 PFK2											
50 PFK3											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.58	6.088e3	4.704e3	1.29	NO	4.8624	4.8624
2 Total Hexa-Furans	32.75	1.761e4	1.382e4	1.27	NO	13.576	13.576
3 Total Hexa-Furans	33.10	3.889e2	4.434e2	0.88	YES	0.30352	0.00000
4 Total Hexa-Furans	33.29	2.910e4	2.268e4	1.28	NO	22.373	22.373
5 1,2,3,4,7,8-HxCDF	33.75	2.775e4	2.116e4	1.31	NO	22.154	22.154
6 1,2,3,6,7,8-HxCDF	33.86	1.104e4	8.438e3	1.31	NO	7.5497	7.5497
7 Total Hexa-Furans	34.13	6.930e2	4.776e2	1.45	YES	0.46216	0.00000
8 1,2,3,4,6,7,8-HxCDF	34.44	3.555e3	2.751e3	1.29	NO	2.6922	2.6922



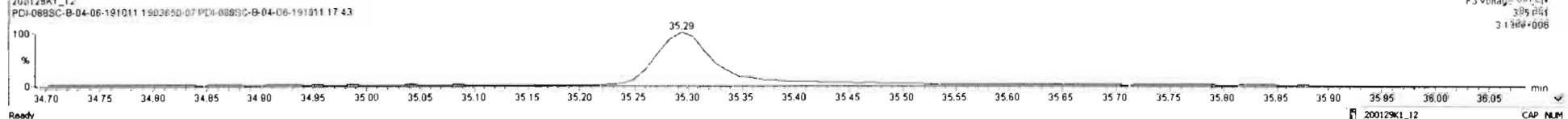
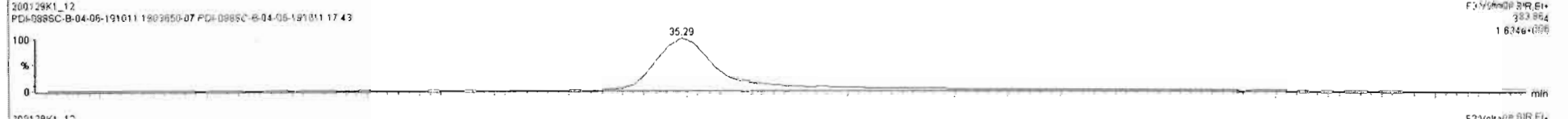
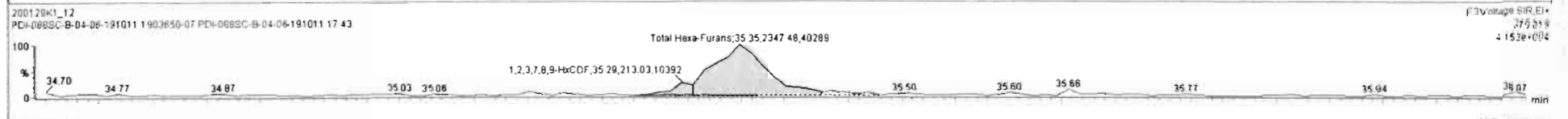
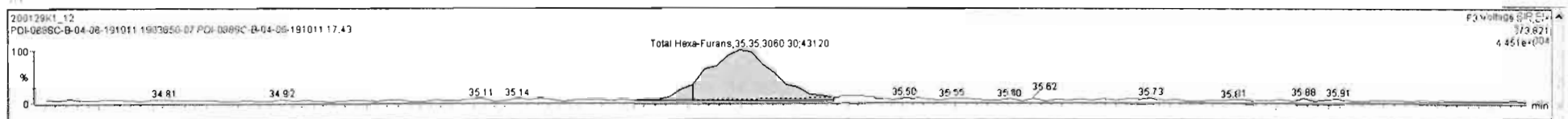
Name	Resp	RA	n/y	RFf	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				1.0068	10.023			41.5		0.462	42.1
42 Total Hepta-Dioxins				1.0622	10.023			320		1.82	320
43 Total Tetra-Furans				0.9700	10.023			41.3		0.234	43.5
44 1st Func. Penta-Furans				0.9580	10.023			22.0		0.0660	22.0
45 Total Penta-Furans				0.9580	10.023			49.3		0.173	50.5
46 Total Hexa-Furans				1.2131	10.023			75.6		0.380	76.1
47 Total Hepta-Furans				1.1891	10.023			121		0.754	121
48 PFK1											
49 PFK2											
50 PFK3											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.58	6.088e3	4.704e3	1.29	NO	4.6624	4.6624
2 Total Hexa-Furans	32.75	1.761e4	1.382e4	1.27	NO	13.576	13.576
3 Total Hexa-Furans	33.29	2.910e4	2.269e4	1.28	NO	22.373	22.373
4 1,2,3,4,7,8-HxCDF	33.75	2.775e4	2.116e4	1.31	NO	22.154	22.154
5 1,2,3,6,7,8-HxCDF	33.86	1.104e4	8.438e3	1.31	NO	7.5497	7.5497
6 Total Hexa-Furans	34.13	6.930e2	4.776e2	1.45	YES	0.46216	0.00000
7 2,3,4,6,7,8-HxCDF	34.44	3.555e3	2.751e3	1.29	NO	2.6922	2.6922
8 1,2,3,7,8,9-HxCDF	35.31	2.647e2	2.130e2	1.24	NO	0.27214	0.27214



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				1.0068	10.023			41.5		0.462	42.1
42 Total Hepta-Dioxins				1.0672	10.023			320		1.82	320
43 Total Tetra-Furans				0.9700	10.023			41.3		0.234	43.5
44 1st Func. Penta-Furans				0.9590	10.023			22.0		0.0660	22.0
45 Total Penta-Furans				0.9590	10.023			49.3		0.173	50.5
46 Total Hexa-Furans				1.2131	10.023			75.6		0.390	75.8
47 Total Hepta-Furans				1.1891	10.023			121		0.754	121
48 PFK1											
49 PFK2											
50 PFK3											

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
2 Total Hexa-Furans	32.75	1.761e4	1.382e4	1.27	NO	13.576	13.576
3 Total Hexa-Furans	33.29	2.910e4	2.269e4	1.28	NO	22.373	22.373
4 1,2,3,4,7,8-HxCDF	33.75	2.775e4	2.116e4	1.31	NO	22.154	22.154
5 1,2,3,6,7,8-HxCDF	33.86	1.104e4	8.438e3	1.31	NO	7.5497	7.5497
6 2,3,4,6,7,8-HxCDF	34.44	3.555e3	2.751e3	1.29	NO	2.6922	2.6922
7 1,2,3,7,8,9-HxCDF	35.31	2.647e2	2.130e2	1.24	NO	0.27214	0.27214
8 Total Hexa-Furans	35.35	3.060e3	2.347e3	1.30	NO	2.3362	2.3362



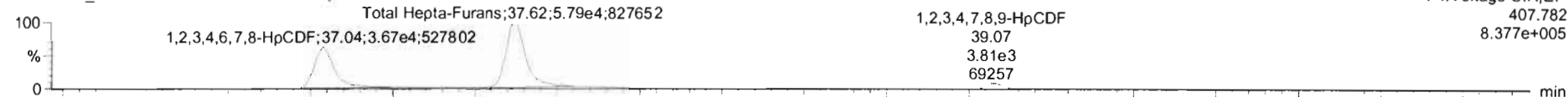
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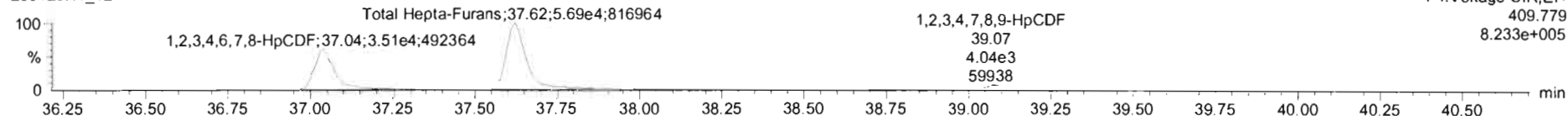
Name: 200129K1_12, Date: 30-Jan-2020, Time: 00:03:24, ID: 1903650-07 PDI-088SC-B-04-06-191011 17.43, Description: PDI-088SC-B-04-06-191011

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

200129K1_12

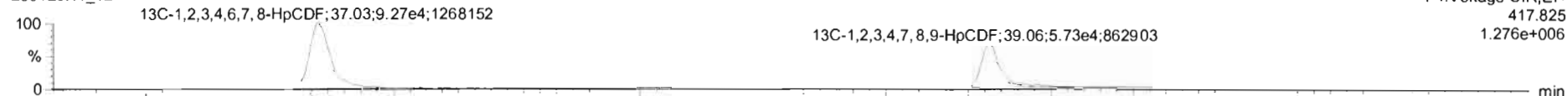


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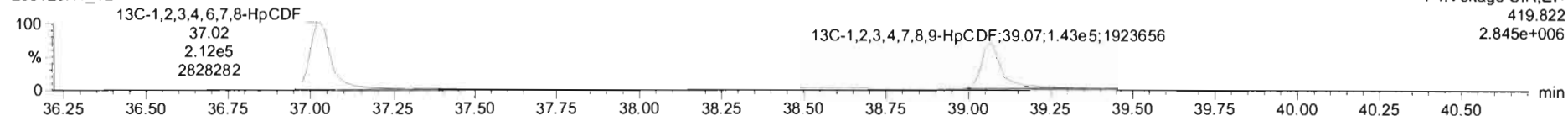


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200129K1_12

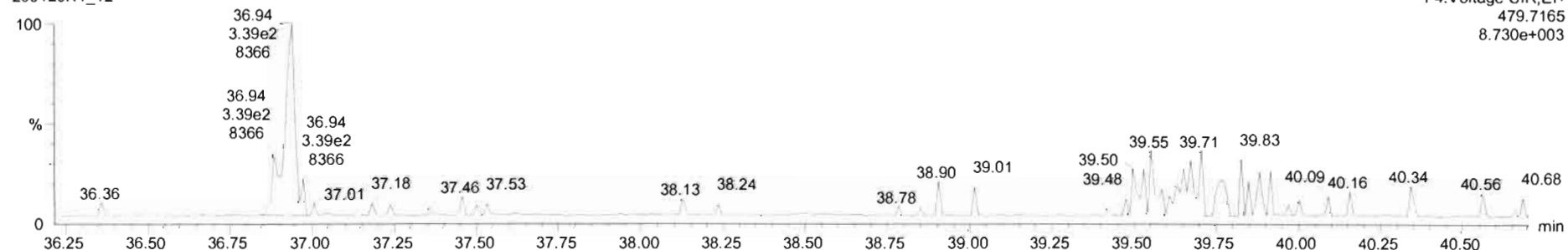


200129K1_12



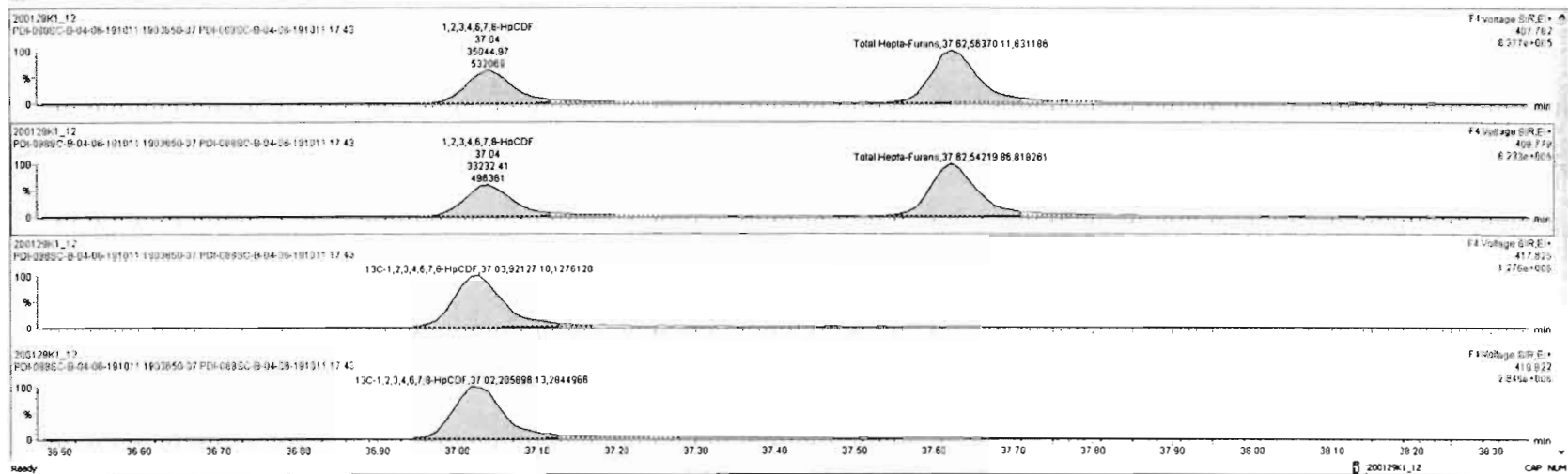
DPE4

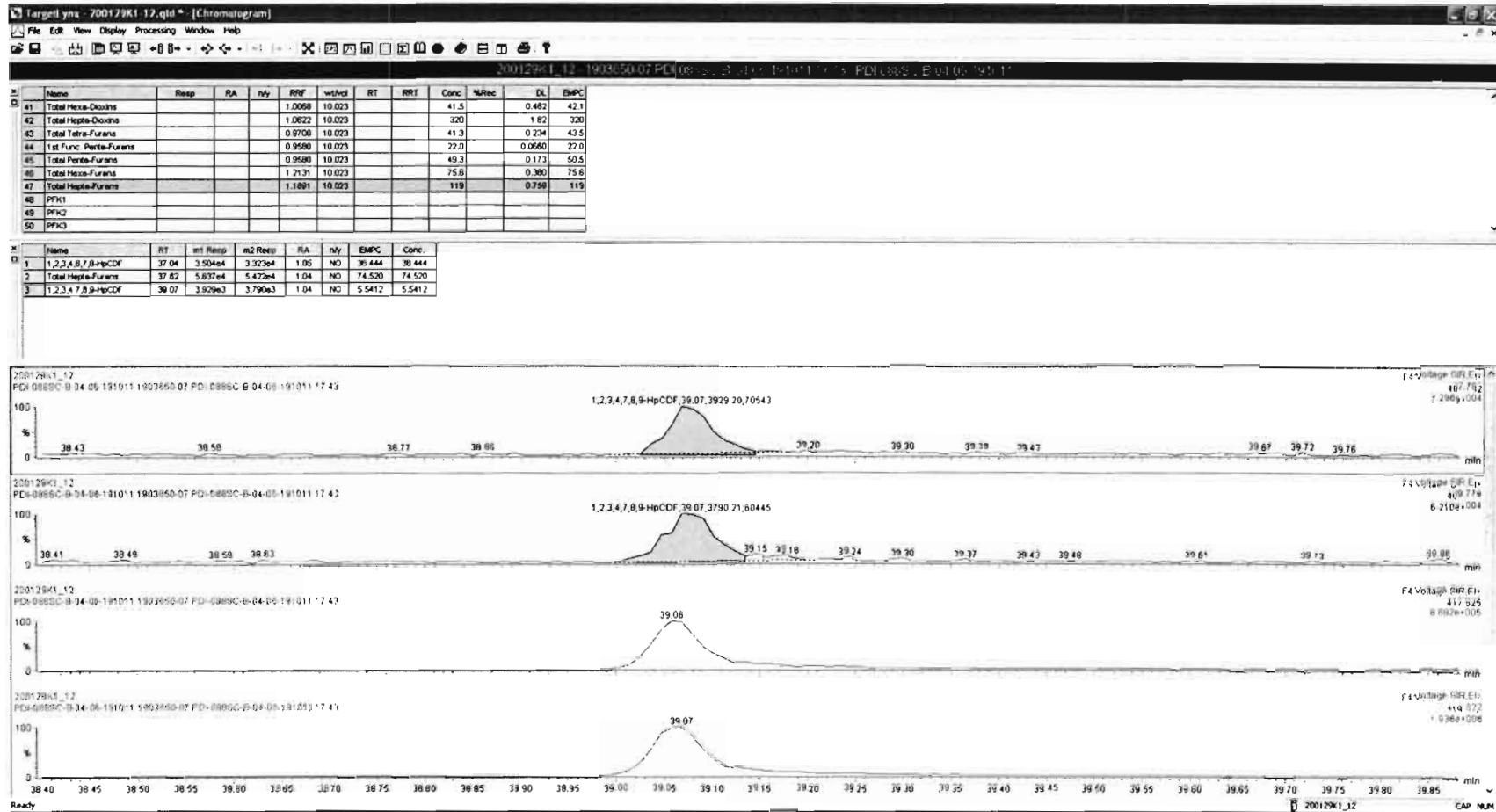
200129K1_12



#	Name	Resp	RA	nV	RF	wtAve	RT	RRT	Conc	%Rec	DL	EMPC
41	Total Hexa-Dioxins				1.0088	10.023			41.5	0.462	42.1	
42	Total Hepta-Dioxins				1.0622	10.023			320	1.82	320	
43	Total Tetra-Furans				0.3700	10.023			41.3	0.234	43.5	
44	Total Penta-Furans				0.8680	10.023			22.0	0.0660	22.8	
45	Total Hexa-Furans				0.8680	10.023			49.3	0.173	50.5	
46	Total Hepta-Furans				1.2131	10.023			75.6	0.380	75.6	
47	Total Hepta-Furans				1.1891	10.023			119	0.758	119	
48	PFK1											
49	PFK2											
50	PFK3											

#	Name	RT	m1 Resp	m2 Resp	RA	nV	EMPC	Conc
1	1,2,3,4,6,7,8-HpCDF	37.04	3.504e4	3.323e4	1.05	NO	3f 444	38.444
2	Total Hepta-Furans	37.62	5.627e4	5.422e4	1.04	NO	74.520	74.520
3	1,2,3,4,7,8,9-HpCDF	38.07	3.929e3	3.790e3	1.04	NO	5.5412	5.5412



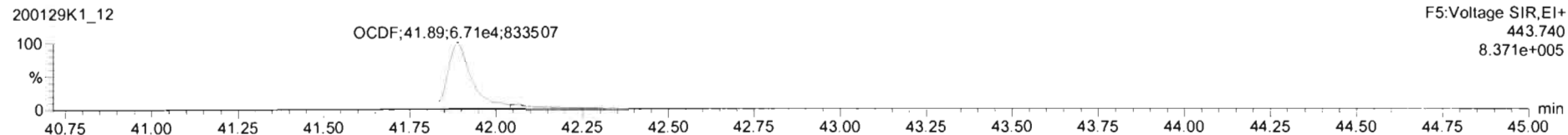
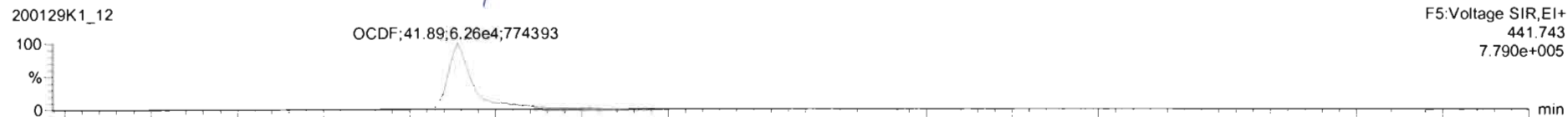


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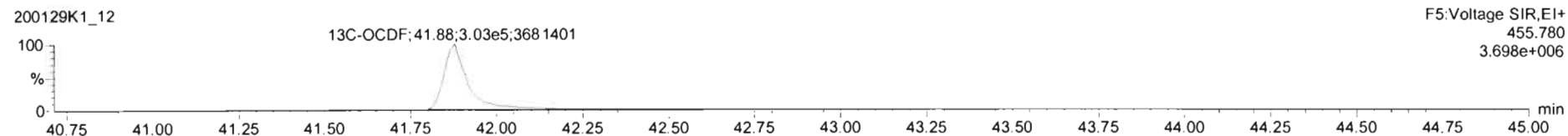
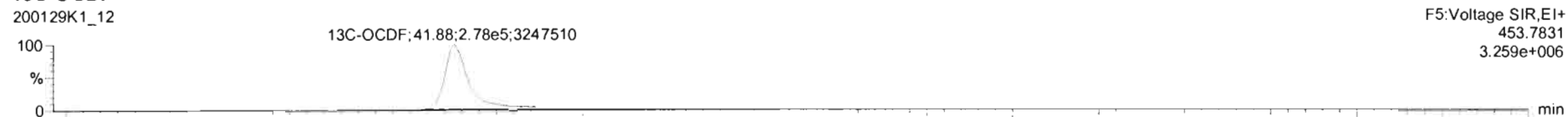
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Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_12, Date: 30-Jan-2020, Time: 00:03:24, ID: 1903650-07 PDI-088SC-B-04-06-191011 17.43, Description: PDI-088SC-B-04-06-191011

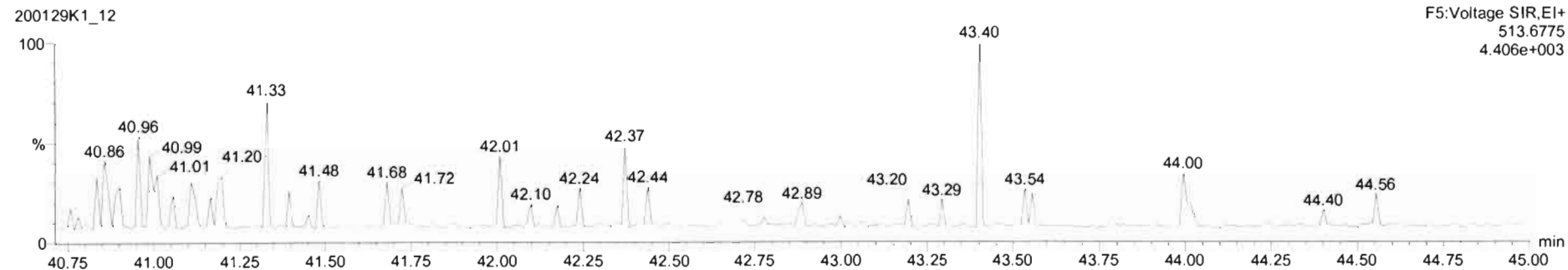
OCDF

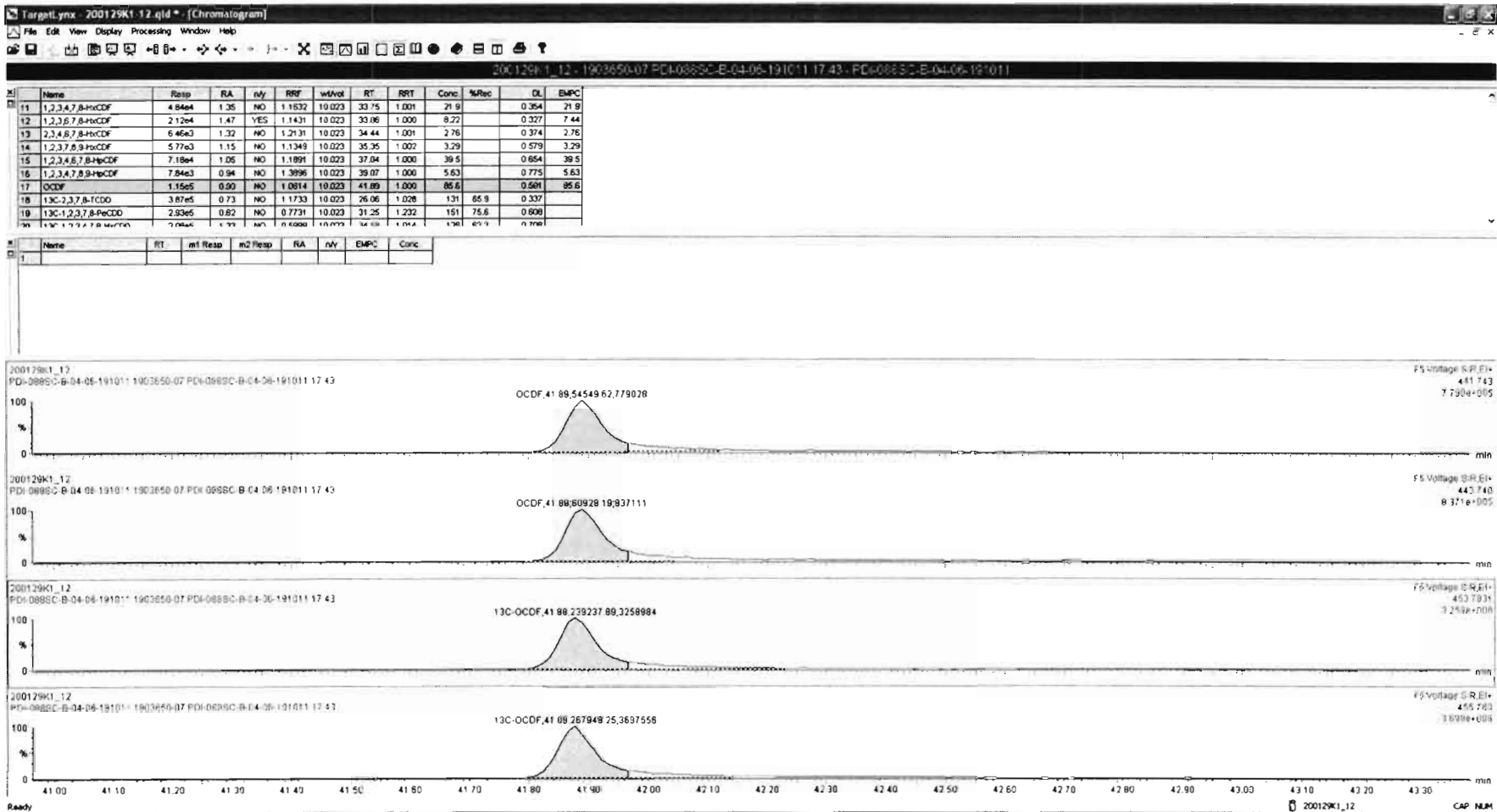


13C-OCDF



DPE5



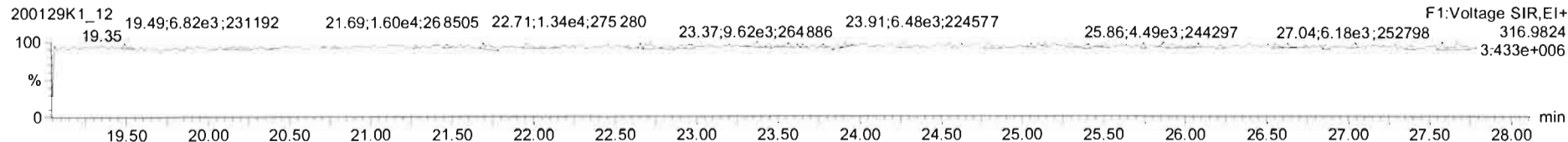


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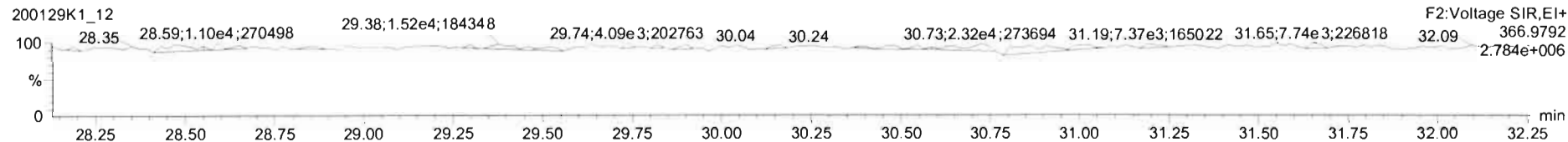
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Name: 200129K1_12, Date: 30-Jan-2020, Time: 00:03:24, ID: 1903650-07 PDI-088SC-B-04-06-191011 17.43, Description: PDI-088SC-B-04-06-191011

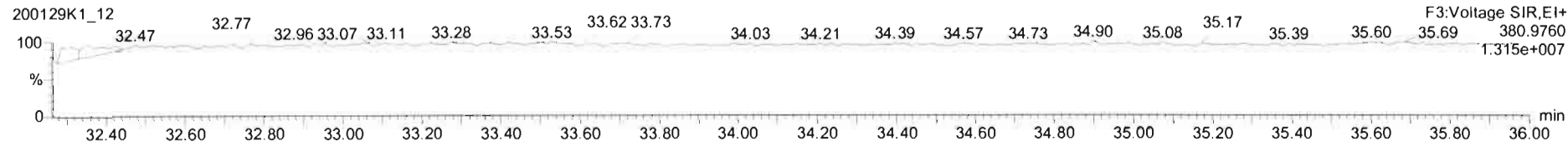
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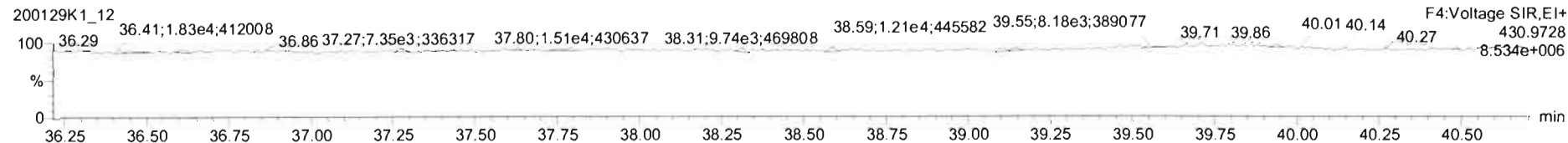
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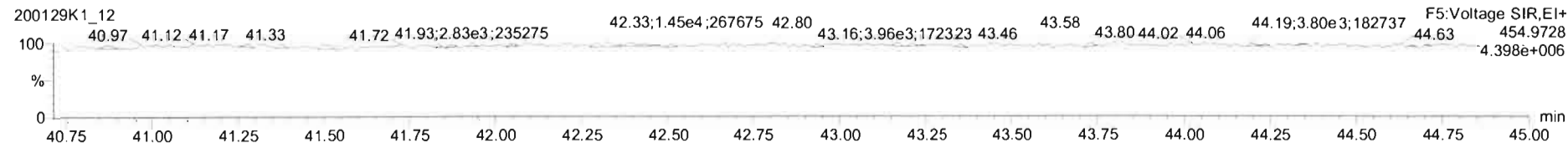
PFK3



PFK4



PFK5



Dataset: U:\VG11.PRO\Results\200129K1\200129K1-13.qld

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Calibration: U:\VG11.PRO\CurveDB\cb5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_13, Date: 30-Jan-2020, Time: 00:51:44, ID: 1903650-08 PDI-088SC-B-06-08-191011 16.73, Description: PDI-088SC-B-06-08-191011

#	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	1.36e3	0.69	NO	0.943	10.043	26.092	26.12	1.001	1.002	0.57215		0.208	0.572
2	2 1,2,3,7,8-PeCDD	2.06e3	0.64	NO	0.897	10.043	31.251	31.25	1.001	1.001	1.3332		0.159	1.33
3	3 1,2,3,4,7,8-HxCDD	1.37e3	0.88	YES	1.17	10.043	34.591	34.60	1.000	1.001	1.0946		0.501	0.925
4	4 1,2,3,6,7,8-HxCDD	1.43e4	1.23	NO	1.01	10.043	34.691	34.70	1.000	1.000	9.8563		0.502	9.86
5	5 1,2,3,7,8,9-HxCDD	4.34e3	1.25	NO	0.982	10.043	34.989	34.97	1.001	1.000	3.4076		0.557	3.41
6	6 1,2,3,4,6,7,8-HpCDD	4.85e5	1.05	NO	1.06	10.043	38.455	38.45	1.000	1.000	481.35		2.82	481
7	7 OCDD	4.47e6	0.90	NO	1.04	10.043	41.681	41.69	1.000	1.000	4527.7		3.37	4530
8	8 2,3,7,8-TCDF	9.55e4	0.79	NO	0.970	10.043	25.092	25.10	1.001	1.001	26.347	(24.0)	0.242	26.3
9	9 1,2,3,7,8-PeCDF	9.49e4	1.66	NO	0.958	10.043	29.941	29.94	1.001	1.001	36.916		0.342	36.9
10	10 2,3,4,7,8-PeCDF	5.09e4	1.48	NO	1.01	10.043	30.946	30.95	1.001	1.001	19.498		0.292	19.5
11	11 1,2,3,4,7,8-HxCDF	1.28e5	1.26	NO	1.16	10.043	33.725	33.74	1.000	1.000	60.057		0.437	60.1
12	12 1,2,3,6,7,8-HxCDF	4.40e4	1.27	NO	1.14	10.043	33.856	33.86	1.000	1.000	18.257		0.431	18.3
13	13 2,3,4,6,7,8-HxCDF	2.15e4	1.31	NO	1.21	10.043	34.451	34.43	1.001	1.000	9.9064		0.469	9.91
14	14 1,2,3,7,8,9-HxCDF	1.28e3	1.42	NO	1.13	10.043	35.294	35.31	1.000	1.000	0.71789		0.633	0.718
15	15 1,2,3,4,6,7,8-HpCDF	3.39e5	1.05	NO	1.19	10.043	37.065	37.04	1.001	1.000	207.09		0.821	207
16	16 1,2,3,4,7,8,9-HpCDF	1.45e4	1.03	NO	1.39	10.043	39.069	39.07	1.000	1.000	10.853		1.03	10.9
17	17 OCDF	3.45e5	0.90	NO	1.06	10.043	41.878	41.89	1.000	1.000	256.03		0.825	256
18	18 13C-2,3,7,8-TCDD	5.02e5	0.77	NO	1.17	10.043	26.053	26.06	1.027	1.028	140.85	70.7	0.271	
19	19 13C-1,2,3,7,8-PeCDD	3.44e5	0.62	NO	0.773	10.043	31.228	31.23	1.232	1.232	146.24	73.4	0.455	
20	20 13C-1,2,3,4,7,8-HxCDD	2.14e5	1.29	NO	0.600	10.043	34.580	34.58	1.014	1.014	132.73	66.7	0.898	
21	21 13C-1,2,3,6,7,8-HxCDD	2.88e5	1.26	NO	0.763	10.043	34.679	34.69	1.017	1.017	140.23	70.4	0.706	
22	22 13C-1,2,3,7,8,9-HxCDD	2.58e5	1.26	NO	0.676	10.043	34.951	34.95	1.025	1.025	142.02	71.3	0.797	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.89e5	1.05	NO	0.455	10.043	38.444	38.44	1.127	1.127	154.42	77.5	0.991	
24	24 13C-OCDD	3.77e5	0.90	NO	0.371	10.043	41.671	41.68	1.222	1.222	377.35	94.7	1.41	
25	25 13C-2,3,7,8-TCDF	7.44e5	0.76	NO	1.07	10.043	25.069	25.07	0.989	0.989	131.76	66.2	0.371	
26	26 13C-1,2,3,7,8-PeCDF	5.34e5	1.59	NO	0.765	10.043	29.917	29.92	1.180	1.180	132.22	66.4	0.641	
27	27 13C-2,3,4,7,8-PeCDF	5.16e5	1.54	NO	0.726	10.043	30.927	30.93	1.220	1.220	134.48	67.5	0.675	
28	28 13C-1,2,3,4,7,8-HxCDF	3.65e5	0.52	NO	0.965	10.043	33.720	33.72	0.989	0.989	140.89	70.7	0.961	
29	29 13C-1,2,3,6,7,8-HxCDF	4.19e5	0.55	NO	1.09	10.043	33.836	33.85	0.992	0.992	142.65	71.6	0.848	
30	30 13C-2,3,4,6,7,8-HxCDF	3.56e5	0.54	NO	0.984	10.043	34.409	34.42	1.009	1.009	134.68	67.6	0.943	
31	31 13C-1,2,3,7,8,9-HxCDF	3.12e5	0.51	NO	0.790	10.043	35.310	35.29	1.035	1.035	147.05	73.8	1.17	

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-13.qld

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Name: 200129K1_13, Date: 30-Jan-2020, Time: 00:51:44, ID: 1903650-08 PDI-088SC-B-06-08-191011 16.73, Description: PDI-088SC-B-06-08-191011

	#.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	0.45	NO	0.734	10.043	37.022	37.03	1.085	1.086	139.20	69.9	0.909	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.91e5	0.42	NO	0.459	10.043	39.045	39.07	1.145	1.145	154.92	77.8	1.45	
34	34 13C-OCDF	5.06e5	0.91	NO	0.500	10.043	41.906	41.88	1.229	1.228	376.20	94.5	1.27	
35	35 37Cl-2,3,7,8-TCDD	1.92e5			1.12	10.043	26.073	26.09	1.028	1.029	56.168	70.5	0.113	
36	36 13C-1,2,3,4-TCDD	6.05e5	0.78	NO	1.00	10.043	25.360	25.36	1.000	1.000	199.14	100	0.318	
37	37 13C-1,2,3,4-TCDF	1.05e6	0.80	NO	1.00	10.043	23.430	23.43	1.000	1.000	199.14	100	0.397	
38	38 13C-1,2,3,4,6,9-HxCDF	5.35e5	0.53	NO	1.00	10.043	34.100	34.11	1.000	1.000	199.14	100	0.927	
39	39 Total Tetra-Dioxins				0.943	10.043	24.620		0.000		15.289		0.208	15.3
40	40 Total Penta-Dioxins				0.897	10.043	29.960		0.000		17.348		0.159	19.4
41	41 Total Hexa-Dioxins				1.01	10.043	33.635		0.000		112.60		0.538	114
42	42 Total Hepta-Dioxins				1.06	10.043	38.800		0.000		1087.4		2.82	1090
43	43 Total Tetra-Furans				0.970	10.043	23.610		0.000		118.88		0.242	124
44	44 1st Func. Penta-Furans				0.958	10.043	27.040		0.000		69.674		0.0610	69.7
45	45 Total Penta-Furans				0.958	10.043	29.275		0.000		142.39		0.325	143
46	46 Total Hexa-Furans				1.21	10.043	33.555		0.000		272.06		0.465	272
47	47 Total Hepta-Furans				1.19	10.043	37.835		0.000		549.24		0.979	549

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Method: Untitled 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_13, Date: 30-Jan-2020, Time: 00:51:44, ID: 1903650-08 PDI-088SC-B-06-08-191011 16.73, Description: PDI-088SC-B-06-08-191011

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	21.72	1.160e5	1.443e5	1.076e4	1.330e4	0.81	NO	2.406e4	10.114	10.114	0.208
2	Total Tetra-Dioxins	22.15	1.276e4	2.076e4	1.329e3	1.706e3	0.78	NO	3.034e3	1.2756	1.2756	0.208
3	Total Tetra-Dioxins	22.64	3.619e3	7.765e3	3.430e2	4.888e2	0.70	NO	8.318e2	0.34971	0.34971	0.208
4	Total Tetra-Dioxins	23.94	9.979e3	1.459e4	9.808e2	1.173e3	0.84	NO	2.154e3	0.90538	0.90538	0.208
5	Total Tetra-Dioxins	24.20	8.667e3	1.303e4	7.957e2	1.086e3	0.73	NO	1.882e3	0.79116	0.79116	0.208
6	Total Tetra-Dioxins	24.93	6.159e3	7.257e3	3.731e2	4.282e2	0.87	NO	8.013e2	0.33685	0.33685	0.208
7	Total Tetra-Dioxins	25.79	1.378e4	1.598e4	1.013e3	1.232e3	0.82	NO	2.245e3	0.94366	0.94366	0.208
8	2,3,7,8-TCDD	26.12	7.699e3	1.108e4	5.542e2	8.067e2	0.69	NO	1.361e3	0.57215	0.57215	0.208

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.99	4.128e4	6.775e4	3.446e3	5.627e3	0.61	NO	9.073e3	5.8596	5.8596	0.159
2	Total Penta-Dioxins	29.50	7.924e3	2.010e4	5.172e2	1.097e3	0.47	YES	0.000e0	0.00000	0.86420	0.159
3	Total Penta-Dioxins	30.00	4.432e4	7.090e4	2.702e3	4.359e3	0.62	NO	7.061e3	4.5601	4.5601	0.159
4	Total Penta-Dioxins	30.16	2.040e4	2.775e4	1.078e3	1.597e3	0.68	NO	2.674e3	1.7272	1.7272	0.159
5	Total Penta-Dioxins	30.26	1.432e4	2.063e4	8.784e2	1.163e3	0.76	YES	0.000e0	0.00000	1.2247	0.159
6	Total Penta-Dioxins	30.48	1.360e4	2.593e4	1.313e3	2.389e3	0.55	NO	3.702e3	2.3910	2.3910	0.159
7	Total Penta-Dioxins	30.83	5.541e3	6.739e3	2.947e2	4.262e2	0.69	NO	7.208e2	0.46552	0.46552	0.159
8	1,2,3,7,8-PeCDD	31.25	1.663e4	1.936e4	8.065e2	1.258e3	0.64	NO	2.064e3	1.3332	1.3332	0.159
9	Total Penta-Dioxins	31.33	4.704e3	9.143e3	2.965e2	4.925e2	0.60	NO	7.890e2	0.50957	0.50957	0.159
10	Total Penta-Dioxins	31.65	5.056e3	9.293e3	2.872e2	4.895e2	0.59	NO	7.767e2	0.50159	0.50159	0.159

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Name: 200129K1_13, Date: 30-Jan-2020, Time: 00:51:44, ID: 1903650-08 PDI-088SC-B-06-08-191011 16.73, Description: PDI-088SC-B-06-08-191011

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	33.13	6.040e5	5.009e5	3.095e4	2.481e4	1.25	NO	5.577e4	43.558	43.558	0.538
2	Total Hexa-Dioxins	33.68	7.562e4	5.460e4	3.815e3	3.042e3	1.25	NO	6.858e3	5.3561	5.3561	0.538
3	Total Hexa-Dioxins	33.93	5.475e5	4.276e5	3.405e4	2.829e4	1.20	NO	6.234e4	48.693	48.693	0.538
4	1,2,3,4,7,8-HxCDD	34.60	1.530e4	1.410e4	6.431e2	7.310e2	0.88	YES	1.374e3	0.00000	0.92543	0.501
5	1,2,3,6,7,8-HxCDD	34.70	1.259e5	1.165e5	7.910e3	6.425e3	1.23	NO	1.433e4	9.8563	9.8563	0.502
6	Total Hexa-Dioxins	34.89	1.967e4	1.762e4	1.266e3	9.520e2	1.33	NO	2.218e3	1.7326	1.7326	0.538
7	1,2,3,7,8,9-HxCDD	34.97	5.081e4	3.687e4	2.410e3	1.925e3	1.25	NO	4.336e3	3.4076	3.4076	0.557

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	37.42	4.569e6	4.427e6	3.119e5	2.986e5	1.04	NO	6.105e5	606.02	606.02	2.82
2	1,2,3,4,6,7,8-HpCDD	38.45	3.397e6	3.148e6	2.484e5	2.365e5	1.05	NO	4.849e5	481.35	481.35	2.82

Vista Analytical Laboratory

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Name: 200129K1_13, Date: 30-Jan-2020, Time: 00:51:44, ID: 1903650-08 PDI-088SC-B-06-08-191011 16.73, Description: PDI-088SC-B-06-08-191011

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	19.67	2.006e4	2.151e4	1.425e3	1.581e3	0.90	YES	0.000e0	0.00000	0.77225	0.242
2	Total Tetra-Furans	20.21	4.854e4	5.954e4	3.837e3	5.021e3	0.76	NO	8.858e3	2.4441	2.4441	0.242
3	Total Tetra-Furans	20.77	3.035e5	3.716e5	2.530e4	3.291e4	0.77	NO	5.821e4	16.061	16.061	0.242
4	Total Tetra-Furans	21.32	3.227e4	3.968e4	5.145e3	6.147e3	0.84	NO	1.129e4	3.1155	3.1155	0.242
5	Total Tetra-Furans	21.69	2.166e5	2.703e5	2.130e4	2.590e4	0.82	NO	4.720e4	13.023	13.023	0.242
6	Total Tetra-Furans	22.15	1.901e5	2.396e5	1.754e4	2.210e4	0.79	NO	3.964e4	10.937	10.937	0.242
7	Total Tetra-Furans	22.53	2.626e4	3.180e4	2.162e3	3.054e3	0.71	NO	5.216e3	1.4392	1.4392	0.242
8	Total Tetra-Furans	23.13	1.563e4	1.818e4	1.055e3	1.468e3	0.72	NO	2.523e3	0.69614	0.69614	0.242
9	Total Tetra-Furans	23.32	1.237e5	1.639e5	1.359e4	1.668e4	0.81	NO	3.028e4	8.3537	8.3537	0.242
10	Total Tetra-Furans	23.45	6.356e4	8.217e4	5.464e3	8.280e3	0.66	NO	1.374e4	3.7922	3.7922	0.242
11	Total Tetra-Furans	24.04	4.296e5	5.552e5	4.071e4	5.312e4	0.77	NO	9.384e4	25.891	25.891	0.242
12	Total Tetra-Furans	24.38	2.481e4	2.938e4	2.114e3	2.644e3	0.80	NO	4.758e3	1.3127	1.3127	0.242
13	Total Tetra-Furans	24.98	7.305e4	8.734e4	4.871e3	6.097e3	0.80	NO	1.097e4	3.0262	3.0262	0.242
14	2,3,7,8-TCDF	25.10	4.879e5	6.109e5	4.222e4	5.327e4	0.79	NO	9.549e4	26.347	26.347	0.242
15	Total Tetra-Furans	25.53	3.140e4	4.193e4	2.596e3	3.068e3	0.85	NO	5.664e3	1.5628	1.5628	0.242
16	Total Tetra-Furans	26.84	1.040e4	1.270e4	5.500e2	6.818e2	0.81	NO	1.232e3	0.33985	0.33985	0.242
17	Total Tetra-Furans	26.99	1.147e4	1.989e4	8.502e2	1.120e3	0.76	NO	1.971e3	0.54373	0.54373	0.242
18	Total Tetra-Furans	27.27	1.171e5	1.182e5	8.951e3	8.914e3	1.00	YES	0.000e0	0.00000	4.3534	0.242

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	27.28	1.602e6	1.036e6	1.084e5	6.754e4	1.61	NO	1.760e5	69.674	69.674	0.0610

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Name: 200129K1_13, Date: 30-Jan-2020, Time: 00:51:44, ID: 1903650-08 PDI-088SC-B-06-08-191011 16.73, Description: PDI-088SC-B-06-08-191011

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.79	5.117e4	3.378e4	3.676e3	2.228e3	1.65	NO	5.904e3	2.3378	2.3378	0.325
2	Total Penta-Furans	28.93	8.539e5	5.147e5	6.304e4	3.877e4	1.63	NO	1.018e5	40.313	40.313	0.325
3	Total Penta-Furans	29.54	2.680e5	1.661e5	1.574e4	1.044e4	1.51	NO	2.617e4	10.363	10.363	0.325
4	Total Penta-Furans	29.76	1.381e5	7.544e4	7.683e3	4.341e3	1.77	NO	1.202e4	4.7611	4.7611	0.325
5	1,2,3,7,8-PeCDF	29.94	9.888e5	5.900e5	5.916e4	3.571e4	1.66	NO	9.487e4	36.916	36.916	0.342
6	Total Penta-Furans	30.22	4.509e5	2.795e5	2.779e4	1.813e4	1.53	NO	4.592e4	18.184	18.184	0.325
7	2,3,4,7,8-PeCDF	30.95	6.411e5	4.192e5	3.038e4	2.049e4	1.48	NO	5.087e4	19.498	19.498	0.292
8	Total Penta-Furans	30.97	6.050e5	3.746e5	1.574e4	9.553e3	1.65	NO	2.530e4	10.017	10.017	0.325
9	Total Penta-Furans	31.87	3.843e4	1.991e4	1.905e3	1.030e3	1.85	YES	0.000e0	0.00000	1.0400	0.325

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.58	5.339e5	4.391e5	2.852e4	2.244e4	1.27	NO	5.096e4	23.023	23.023	0.465
2	Total Hexa-Furans	32.75	1.370e6	1.088e6	7.359e4	5.717e4	1.29	NO	1.308e5	59.079	59.079	0.465
3	Total Hexa-Furans	33.29	2.350e6	1.858e6	1.149e5	9.081e4	1.27	NO	2.057e5	92.945	92.945	0.465
4	1,2,3,4,7,8-HxCDF	33.74	1.363e6	1.073e6	7.141e4	5.677e4	1.26	NO	1.282e5	60.057	60.057	0.437
5	1,2,3,6,7,8-HxCDF	33.86	4.435e5	3.512e5	2.457e4	1.938e4	1.27	NO	4.395e4	18.257	18.257	0.431
6	2,3,4,6,7,8-HxCDF	34.43	2.350e5	1.699e5	1.217e4	9.320e3	1.31	NO	2.149e4	9.9064	9.9064	0.469
7	1,2,3,7,8,9-HxCDF	35.31	4.124e4	2.948e4	7.504e2	5.278e2	1.42	NO	1.278e3	0.71789	0.71789	0.633
8	Total Hexa-Furans	35.35	1.791e5	1.310e5	9.841e3	8.024e3	1.23	NO	1.787e4	8.0717	8.0717	0.465

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	37.04	2.758e6	2.573e6	1.738e5	1.656e5	1.05	NO	3.394e5	207.09	207.09	0.821
2	Total Hepta-Furans	37.62	3.493e6	3.314e6	2.358e5	2.246e5	1.05	NO	4.604e5	331.30	331.30	0.979
3	1,2,3,4,7,8,9-HpCDF	39.07	1.314e5	1.226e5	7.332e3	7.137e3	1.03	NO	1.447e4	10.853	10.853	1.03

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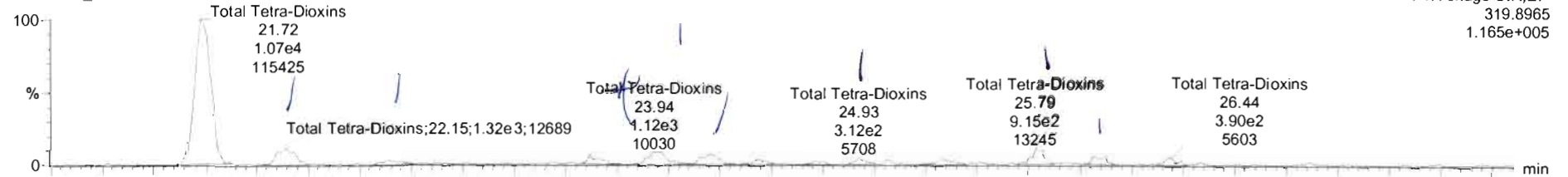
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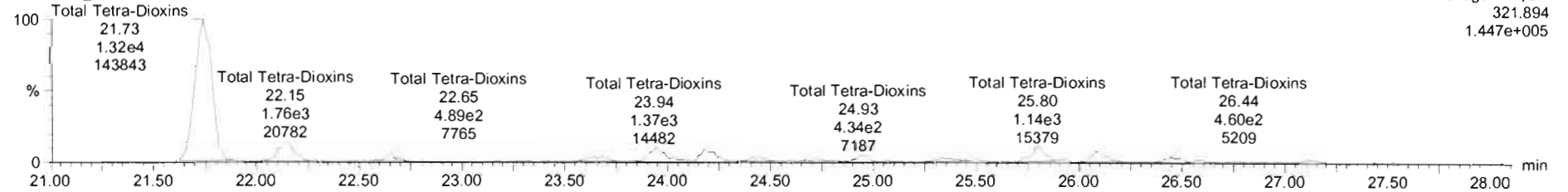
Name: 200129K1_13, Date: 30-Jan-2020, Time: 00:51:44, ID: 1903650-08 PDI-088SC-B-06-08-191011 16.73, Description: PDI-088SC-B-06-08-191011

2,3,7,8-TCDD

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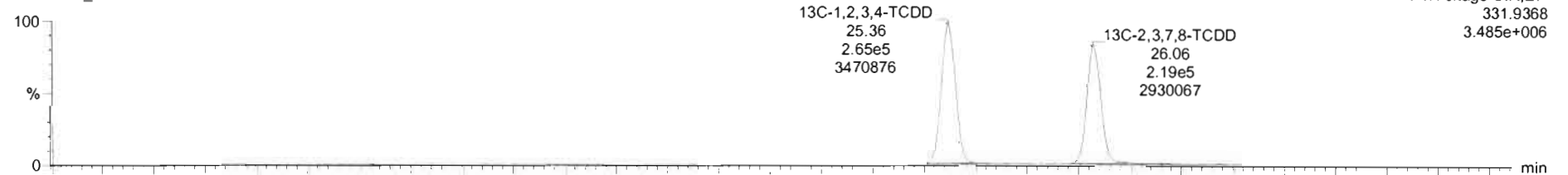


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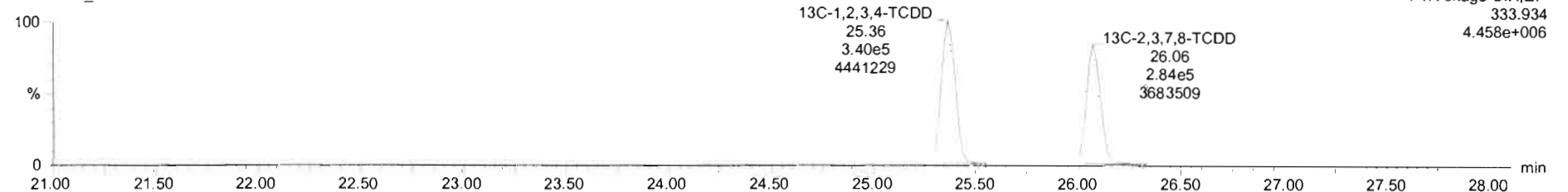


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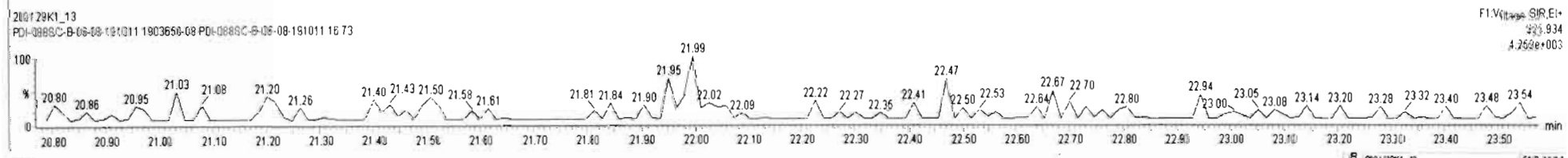
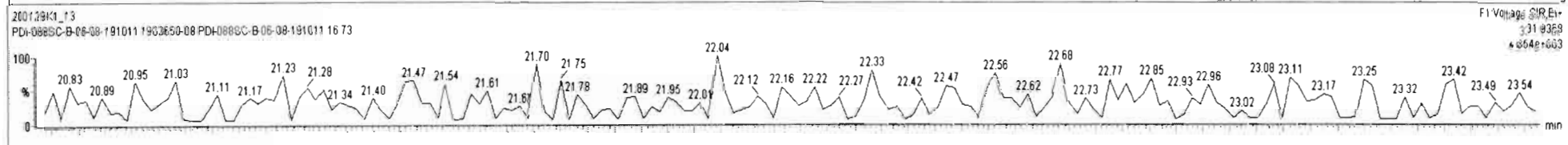
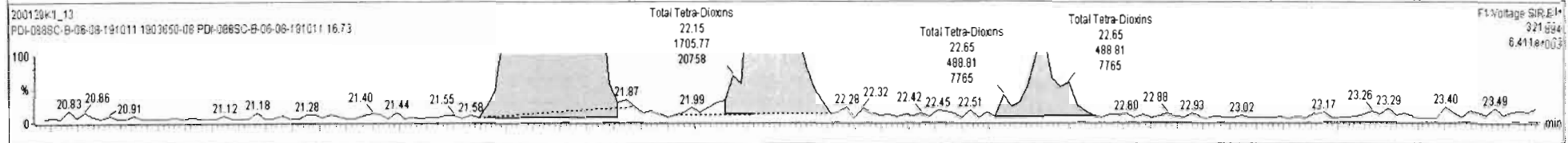
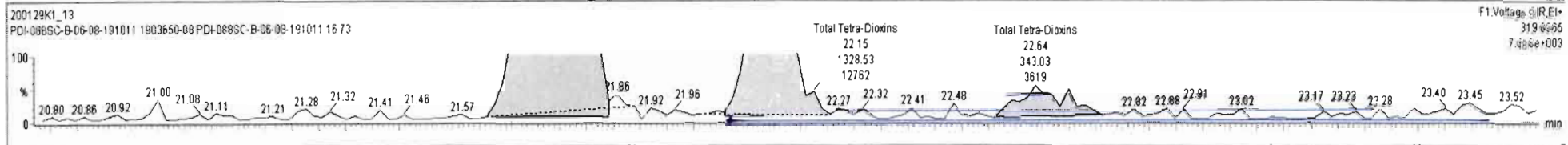


200129K1_13



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
33 13C-1,2,3,4,7,8,9-HpCDF	1.91e5	0.42	NO	0.4587	10.043	39.07	1.145	155	77.8	1.45	
34 13C-OCDF	5.06e5	0.91	NO	0.5003	10.043	41.88	1.228	376	94.5	1.27	
35 37Cl-2,3,7,8-TCDD	1.92e5			1.1244	10.043	26.09	1.029	56.2	70.5	0.113	
36 13C-1,2,3,4-TCDD	6.05e5	0.78	NO	1.0000	10.043	25.36	1.000	199	100	0.318	
37 13C-1,2,3,4-TCDF	1.05e6	0.80	NO	1.0000	10.043	23.43	1.000	199	100	0.397	
38 13C-1,2,3,4,6,9-HxCDF	5.35e5	0.53	NO	1.0000	10.043	34.11	1.000	199	100	0.927	
39 Total Tetra-Dioxins				0.9431	10.043			15.3		0.208	15.9
40 Total Penta-Dioxins				0.8974	10.043			17.2		0.159	19.8
41 Total Hexa-Dioxins				1.0068	10.043			117		0.538	118
42 Total Hepta-Dioxins				1.0622	10.043			1060		2.78	1060

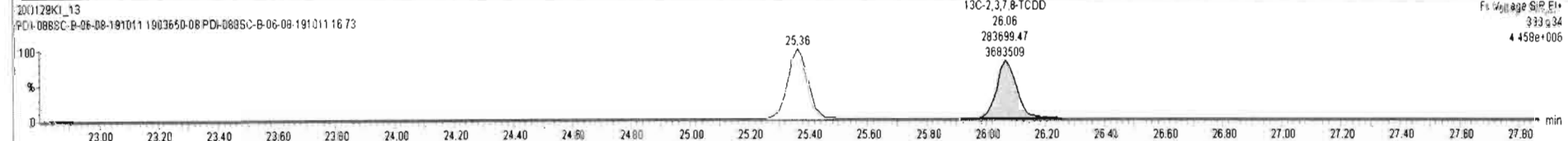
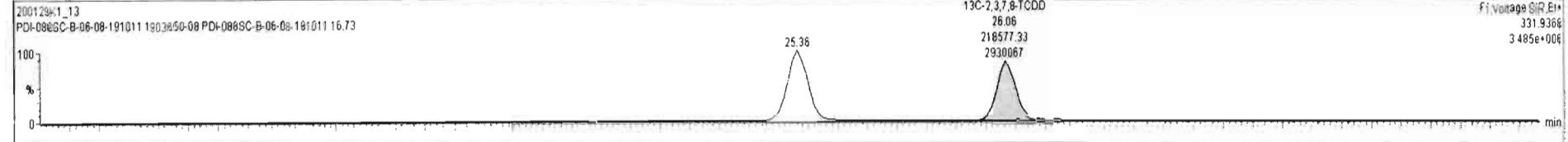
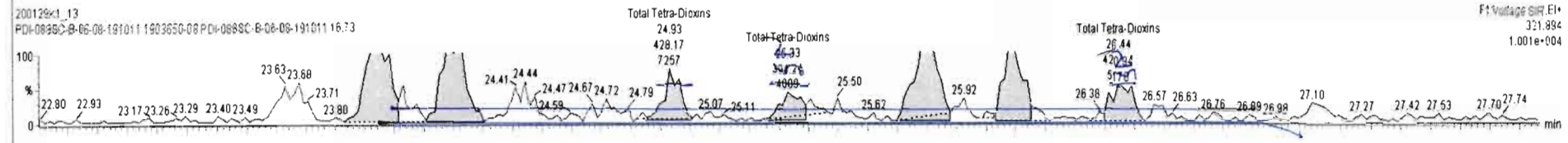
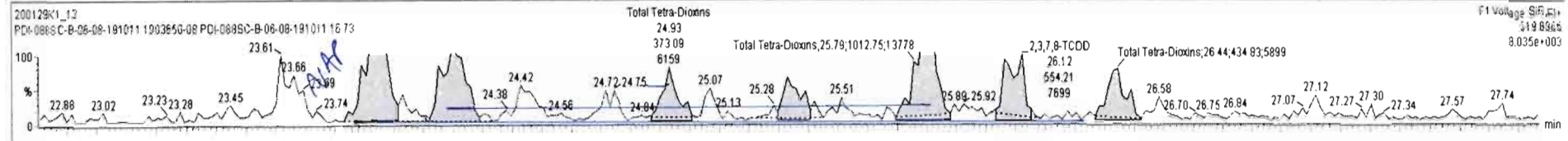
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Dioxins	21.72	1.076e4	1.330e4	0.81	NO	10.114	10.114
2 Total Tetra-Dioxins	22.15	1.329e3	1.706e3	0.78	NO	1.2756	1.2756
3 Total Tetra-Dioxins	22.64	3.430e2	4.888e2	0.70	NO	0.34971	0.34971
4 Total Tetra-Dioxins	23.94	9.808e2	1.173e3	0.84	NO	0.90538	0.90538
5 Total Tetra-Dioxins	24.20	7.957e2	1.086e3	0.73	NO	0.79116	0.79116
6 Total Tetra-Dioxins	24.93	3.731e2	4.282e2	0.87	NO	0.33685	0.33685
7 Total Tetra-Dioxins	25.33	3.305e2	3.042e2	1.09	YES	0.22639	0.00000
8 Total Tetra-Dioxins	25.79	1.013e3	1.232e3	0.82	NO	0.94366	0.94366



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Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
33 13C-1,2,3,4,7,8,9-HpCDF	1.91e5	0.42	NO	0.4587	10.043	39.07	1.145	155	77.8	1.45	
34 13C-OCDF	5.06e5	0.91	NO	0.5003	10.043	41.88	1.228	378	94.5	1.27	
35 37Cl-2,3,7,8-TCDD	1.92e5			1.1244	10.043	26.09	1.029	56.2	70.5	0.113	
36 13C-1,2,3,4-TCDF	6.05e5	0.78	NO	1.0000	10.043	25.36	1.000	199	100	0.318	
37 13C-1,2,3,4-TCDF	1.05e6	0.80	NO	1.0000	10.043	23.43	1.000	199	100	0.397	
38 13C-1,2,3,4,6,9-HxCDF	5.35e5	0.53	NO	1.0000	10.043	34.11	1.000	199	100	0.927	
39 Total Tetra-Dioxins				0.9431	10.043			15.3		0.208	15.8
40 Total Penta-Dioxins				0.8974	10.043			17.2		0.159	19.8
41 Total Hexa-Dioxins				1.0068	10.043			117		0.538	118
42 Total Hepta-Dioxins				1.0622	10.043			1060		2.78	1060

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Dioxins	21.72	1.075e4	1.330e4	0.81	NO	10.114	10.114
2 Total Tetra-Dioxins	22.15	1.329e3	1.706e3	0.78	NO	1.2756	1.2756
3 Total Tetra-Dioxins	22.64	3.430e2	4.888e2	0.70	NO	0.34971	0.34971
4 Total Tetra-Dioxins	23.94	9.808e2	1.173e3	0.84	NO	0.90538	0.90538
5 Total Tetra-Dioxins	24.20	7.957e2	1.086e3	0.73	NO	0.79116	0.79116
6 Total Tetra-Dioxins	24.93	3.731e2	4.262e2	0.87	NO	0.33685	0.33685
7 Total Tetra-Dioxins	25.33	3.305e2	3.042e2	1.09	YES	0.22639	0.00000



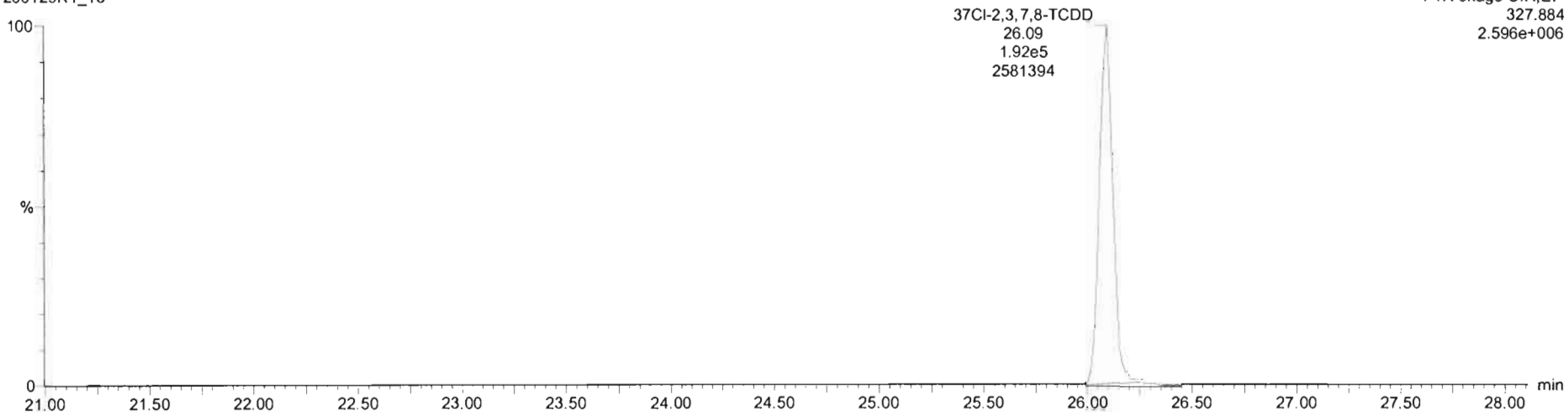
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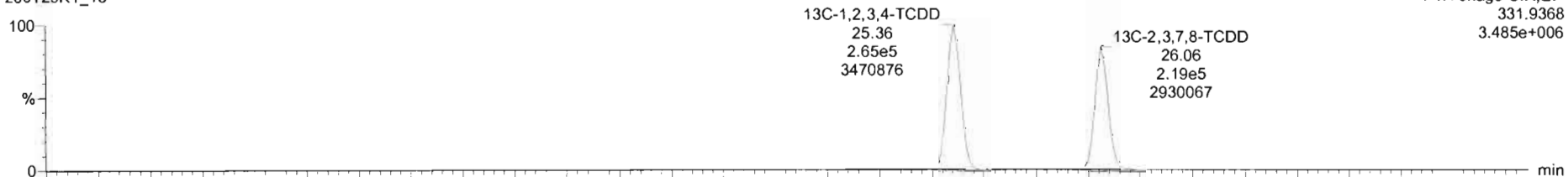
37Cl-2,3,7,8-TCDD

200129K1_13

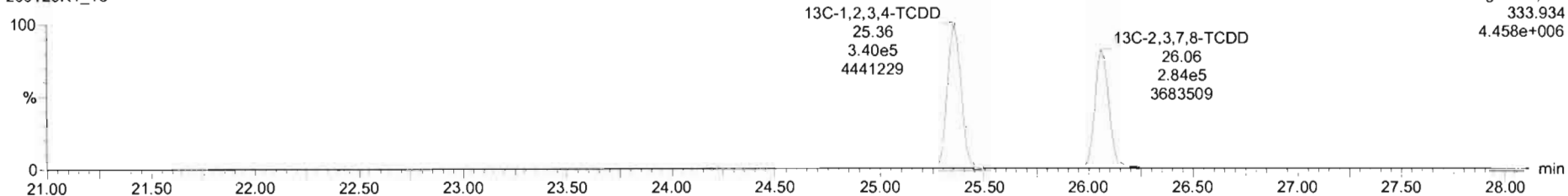


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200129K1_13



200129K1_13



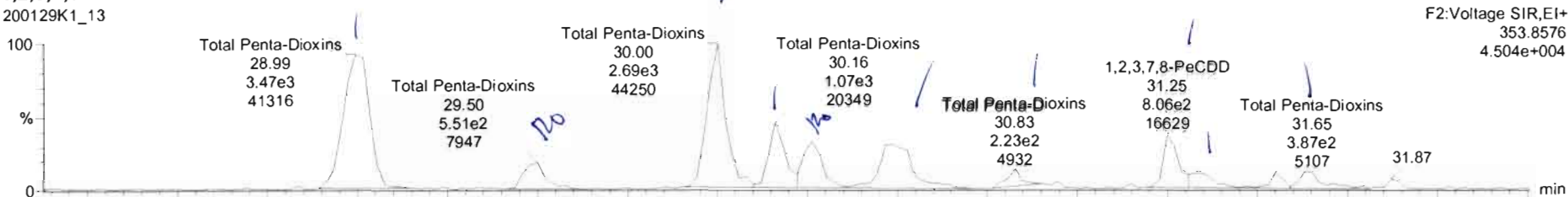
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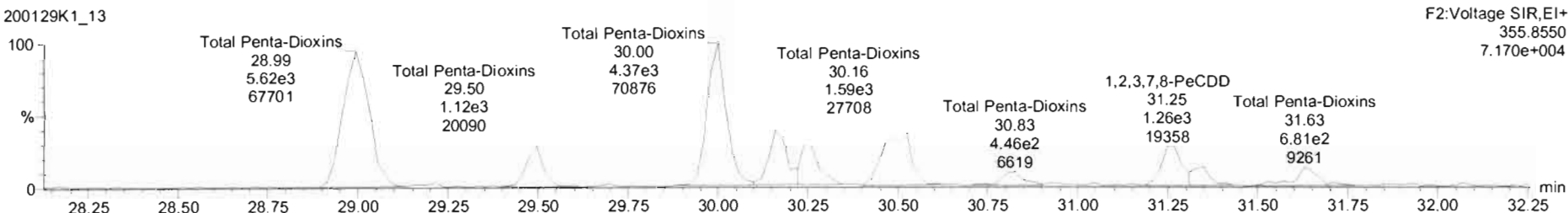
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1,2,3,7,8-PeCDD

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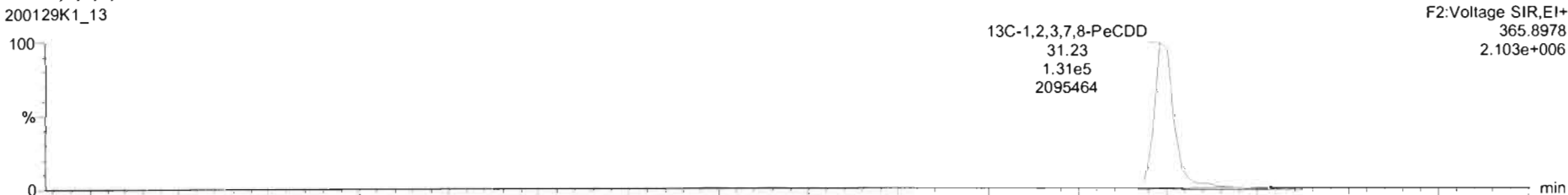


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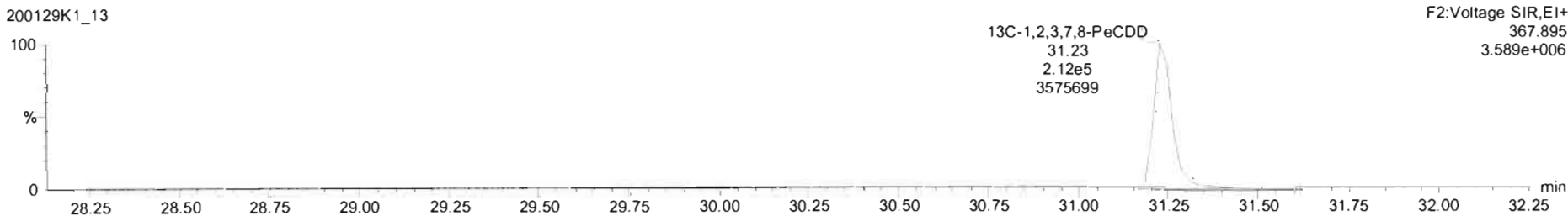


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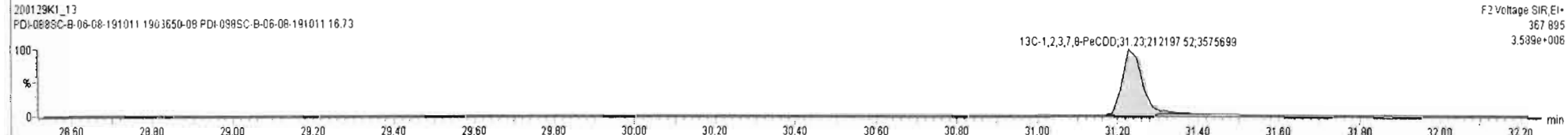
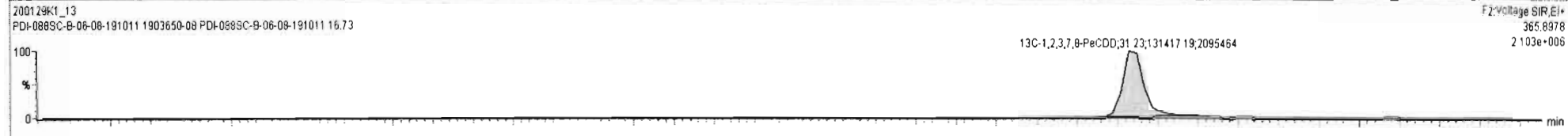
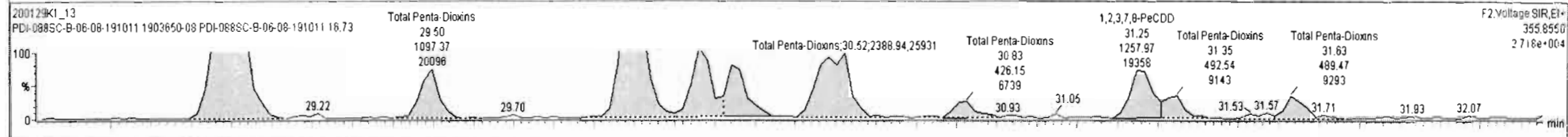
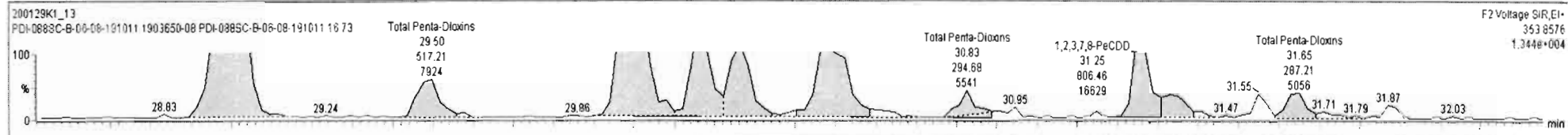


200129K1_13



Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
18 13C-2,3,7,8-TCDD	5.02e5	0.77	NO	1.1733	10.043	26.06	1.028	141	70.7	0.271	
19 13C-1,2,3,7,8-PeCDD	3.44e5	0.62	NO	0.7731	10.043	31.23	1.232	146	73.4	0.455	
20 13C-1,2,3,4,7,8-HxCDD	2.14e5	1.29	NO	0.5989	10.043	34.58	1.014	133	66.7	0.898	
21 13C-1,2,3,6,7,8-HxCDD	2.88e5	1.26	NO	0.7631	10.043	34.69	1.017	140	70.4	0.706	
22 13C-1,2,3,7,8,9-HxCDD	2.58e5	1.26	NO	0.6759	10.043	34.95	1.025	142	71.3	0.797	
23 13C-1,2,3,4,6,7,8-HpCDD	2.05e5	1.01	NO	0.4549	10.043	38.44	1.127	168	84.2	0.991	
24 13C-OCDD	3.77e5	0.90	NO	0.3713	10.043	41.68	1.222	377	94.7	1.41	
26 13C-2,3,7,8-TCDF	7.44e5	0.76	NO	1.0693	10.043	25.07	0.989	132	68.2	0.371	
26 13C-1,2,3,7,8-PeCDF	5.34e5	1.59	NO	0.7650	10.043	29.92	1.180	132	66.4	0.641	
27 13C-2,3,4,7,8-PeCDF	5.16e5	1.54	NO	0.7261	10.043	30.93	1.220	134	67.5	0.675	

Name	RT	m1 Resp	m2 Resp	RIA	nly	EMPC	Conc.
2 Total Penta-Dioxins	29.50	5.172e2	1.097e3	0.47	YES	0.86420	0.00000
3 Total Penta-Dioxins	30.00	2.702e3	4.359e3	0.62	NO	4.5601	4.5601
4 Total Penta-Dioxins	30.16	1.078e3	1.597e3	0.68	NO	1.7272	1.7272
5 Total Penta-Dioxins	30.26	8.794e2	1.163e3	0.76	YES	1.2247	0.00000
6 Total Penta-Dioxins	30.48	1.313e3	2.389e3	0.55	NO	2.3910	2.3910
7 Total Penta-Dioxins	30.83	2.947e2	4.262e2	0.69	NO	0.46552	0.46552
8 1,2,3,7,8-PeCDD	31.25	8.065e2	1.258e3	0.64	NO	1.3332	1.3332



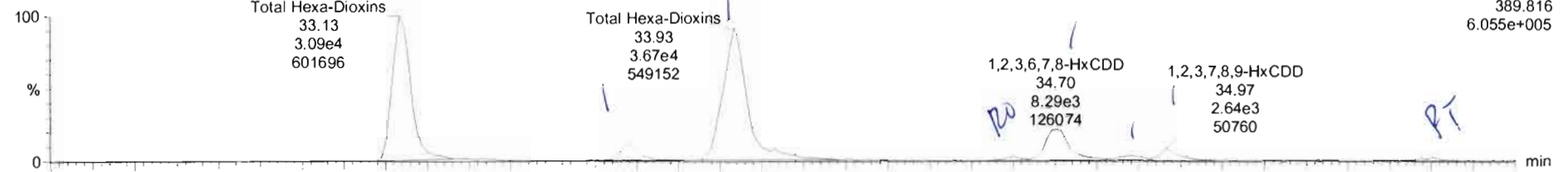
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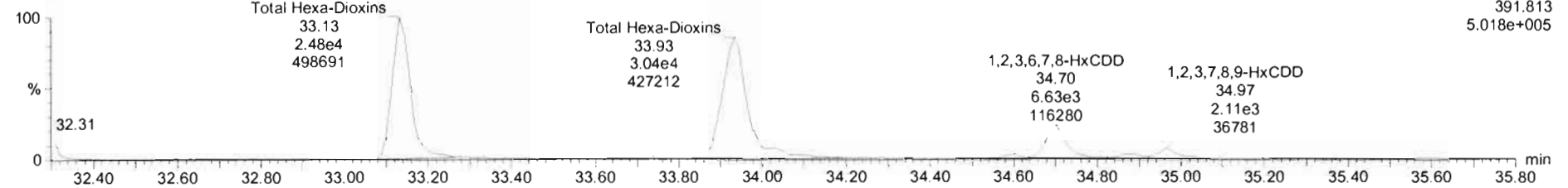
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1,2,3,4,7,8-HxCDD

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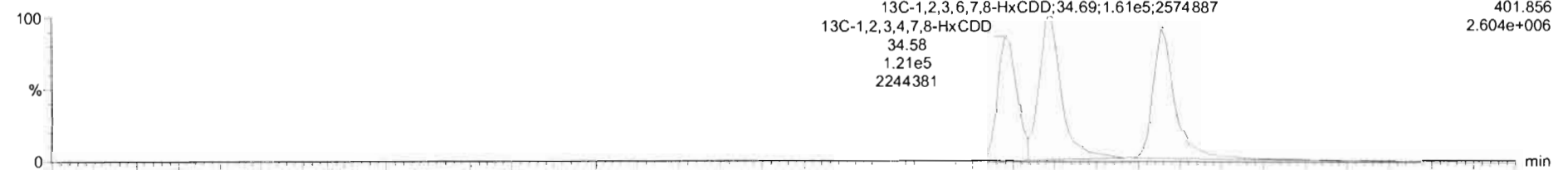


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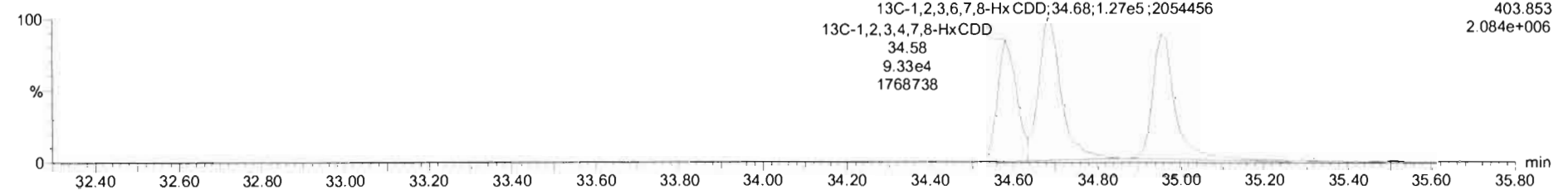


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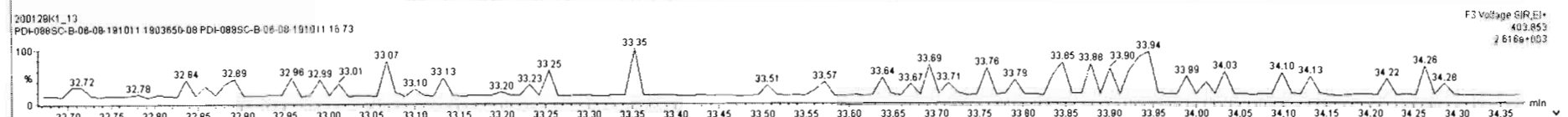
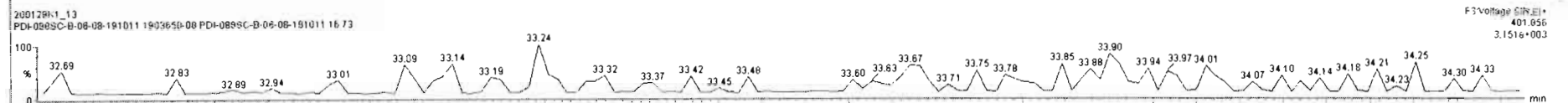
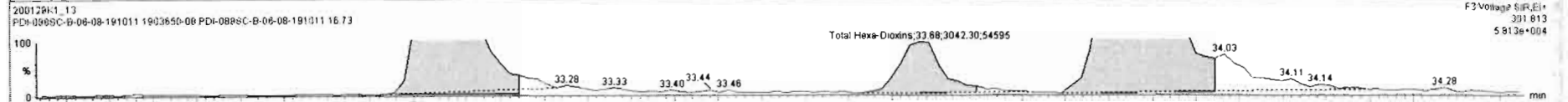


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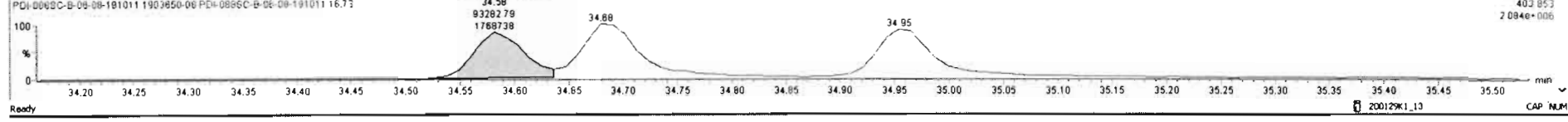
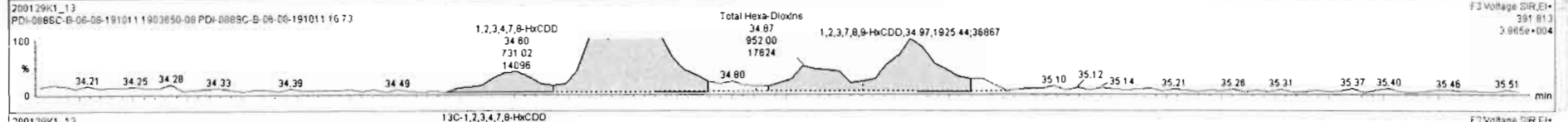
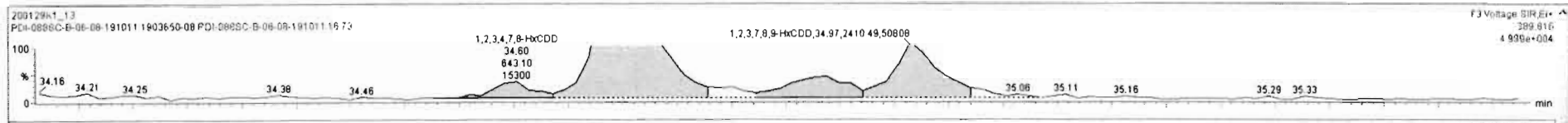
Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				1.0068	10.043			113	0.536	114	
42 Total Hepta-Dioxins				1.0622	10.043			1060	2.78	1060	
43 Total Tetra-Furans				0.9700	10.043			114	0.242	124	
44 1st Func. Penta-Furans				0.9560	10.043			69.7	0.0610	69.7	
45 Total Penta-Furans				0.9580	10.043			145	0.325	145	
46 Total Hexa-Furans				1.2131	10.043			274	0.465	276	
47 Total Hepta-Furans				1.1891	10.043			548	0.961	549	
48 PFK1											
49 PFK2											
50 PFK3											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Dioxins	33.13	3.095e4	2.481e4	1.25	NO	43.558	43.558
2 Total Hexa-Dioxins	33.68	3.815e3	3.042e3	1.25	NO	5.3561	5.3561
3 Total Hexa-Dioxins	33.93	3.405e4	2.829e4	1.20	NO	48.693	48.693
4 1,2,3,4,7,8-HxCDD	34.60	6.431e2	7.310e2	0.88	YES	0.92543	0.00000
5 1,2,3,6,7,8-HxCDD	34.70	7.910e3	6.425e3	1.23	NO	9.8563	9.8563
6 Total Hexa-Dioxins	34.89	1.265e3	9.520e2	1.33	NO	1.7326	1.7326
7 1,2,3,7,8,9-HxCDD	34.97	2.410e3	1.925e3	1.25	NO	3.4076	3.4076



#	Name	Resp	RA	n/y	RRF	wt%nd	RT	RRT	Conc.	%Rec	DL	EMPC
41	Total Hexa-Dioxins				1.0068	10.043			113		0.538	114
42	Total Hepta-Dioxins				1.0622	10.043			1060		2.78	1060
43	Total Tetra-Furans				0.9700	10.043			114		0.242	124
44	1st Func. Penta-Furans				0.9580	10.043			69.7		0.0610	69.7
45	Total Penta-Furans				0.9580	10.043			145		0.325	145
46	Total Hexa-Furans				1.2131	10.043			274		0.465	276
47	Total Hepta-Furans				1.1891	10.043			548		0.961	549
48	PFK1											
49	PFK2											
50	PFK3											

#	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Dioxins	33.13	3.095e4	2.481e4	1.25	NO	43.558	43.558
2	Total Hexa-Dioxins	33.68	3.815e3	3.042e3	1.25	NO	5.3561	5.3561
3	Total Hexa-Dioxins	33.93	3.405e4	2.829e4	1.20	NO	48.683	48.683
4	1,2,3,4,7,8-HxCDD	34.60	6.431e2	7.310e2	0.88	YES	0.92543	0.00000
5	1,2,3,6,7,8-HxCDD	34.70	7.910e3	6.425e3	1.23	NO	9.8563	9.8563
6	Total Hexa-Dioxins	34.89	1.266e3	9.520e2	1.33	NO	1.7326	1.7326
7	1,2,3,7,8,9-HxCDD	34.97	2.410e3	1.925e3	1.25	NO	3.4076	3.4076



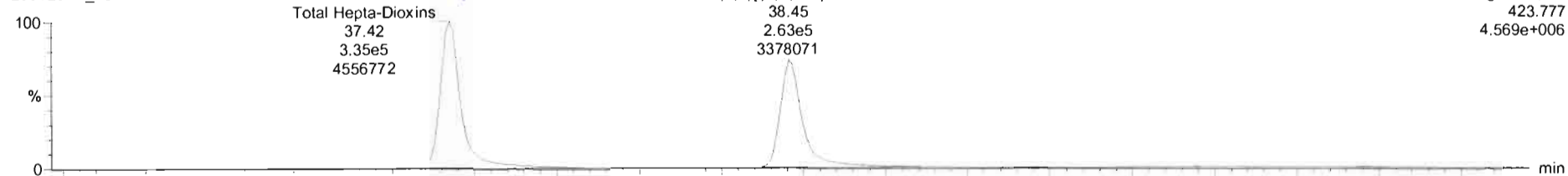
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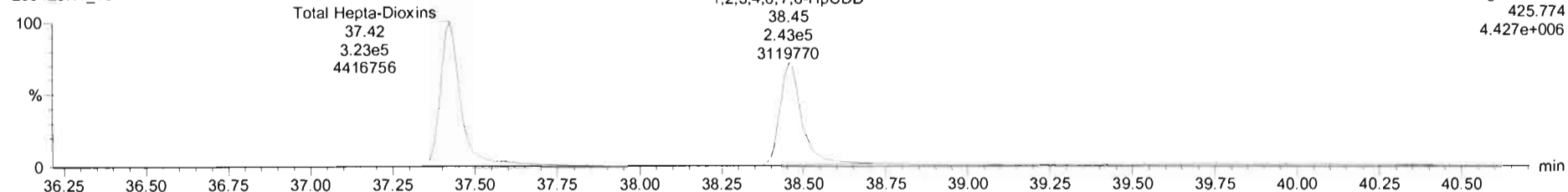
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1,2,3,4,6,7,8-HpCDD

200129K1_13

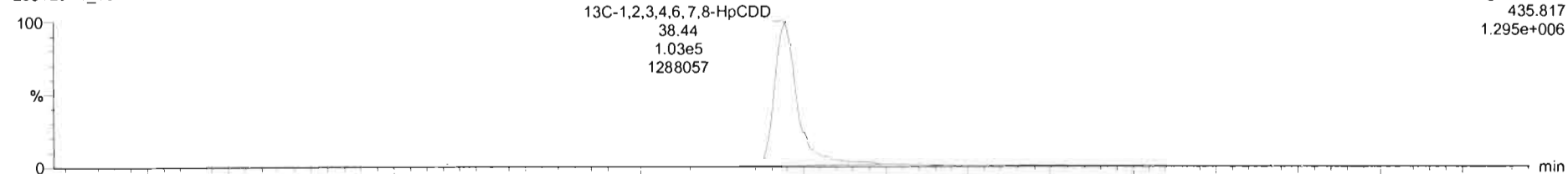


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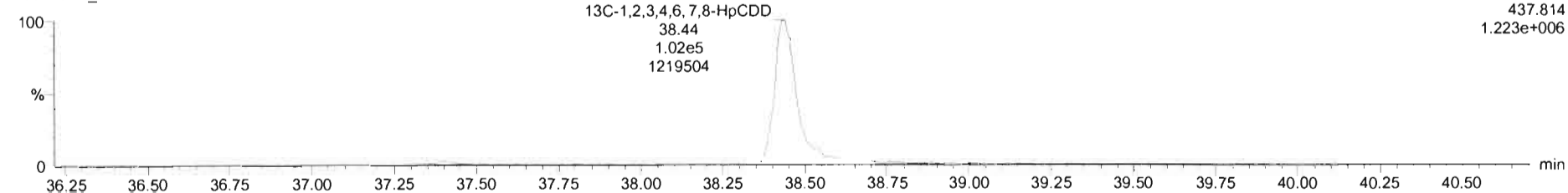


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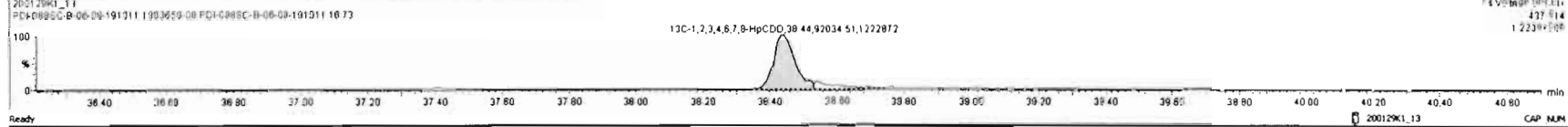
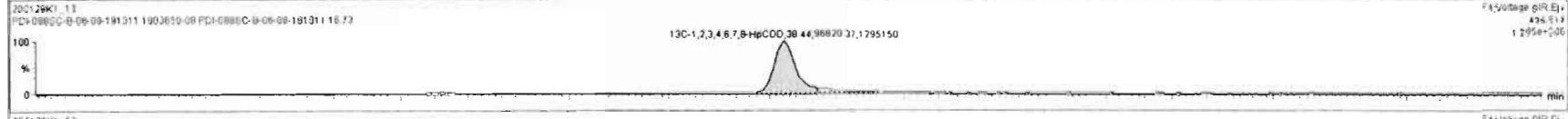
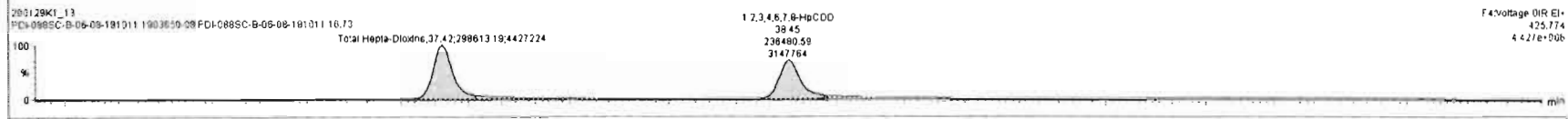
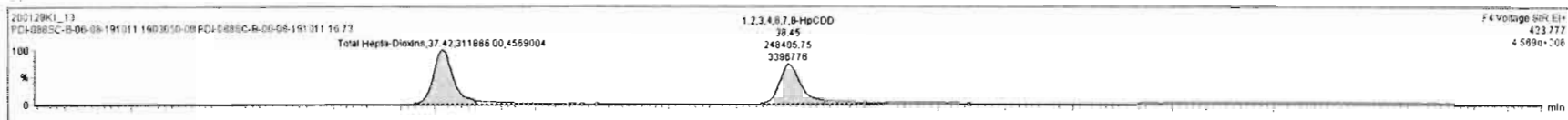
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200129K1_13 - F4-0885C-B-06-08-191011 16.73 - F4-0885C-B-06-08-191011

Name	Resp	RA	n/y	RF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				1.0068	10.043			113	0.538	114	
42 Total Hepta-Dioxins				1.0822	10.043			1090	2.82	1000	
43 Total Tetra-Furans				0.9700	10.043			114	0.242	124	
44 1st Func. Penta-Furans				0.9580	10.043			69.7	0.0610	69.7	
45 Total Penta-Furans				0.9580	10.043			145	0.325	145	
46 Total Hexa-Furans				1.2131	10.043			274	0.465	276	
47 Total Hepta-Furans				1.1891	10.043			548	0.961	549	
48 PPK1											
49 PPK2											
50 PPK3											

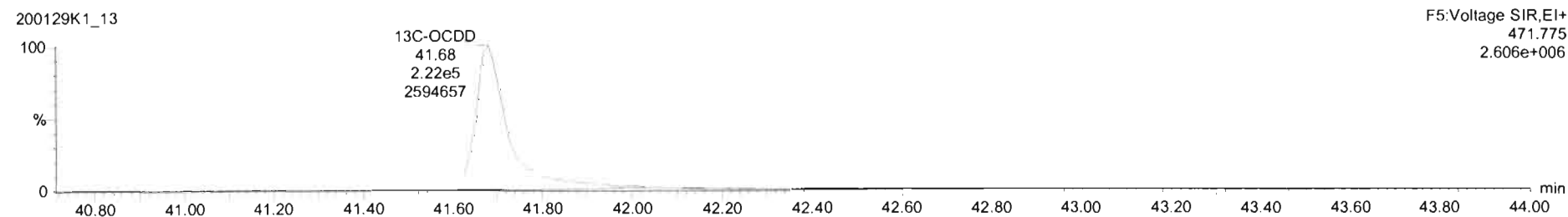
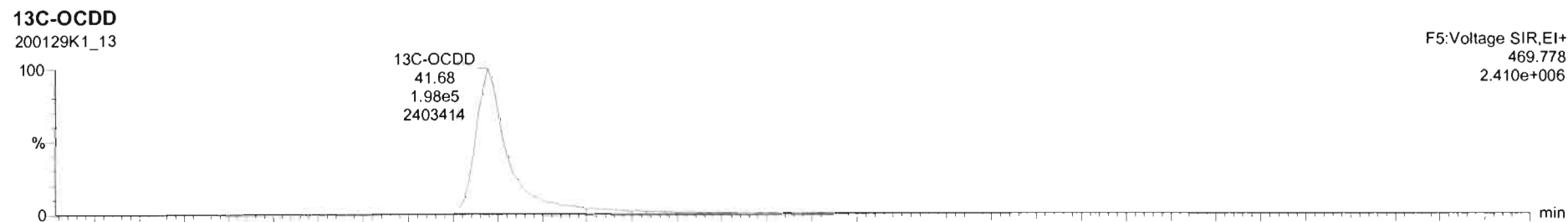
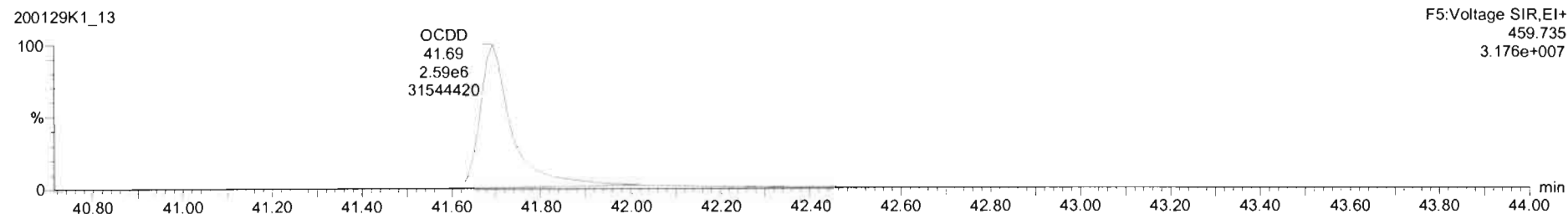
Name	RT	act Resp	id Resp	RA	n/y	EMPC	Conc.
1 Total Hepta-Dioxins	37.42	3.119e5	2.996e5	1.04	NO	606.02	606.02
2 1,2,3,4,6,7,8-HpCDD	38.45	2.484e5	2.365e5	1.05	NO	481.35	481.35



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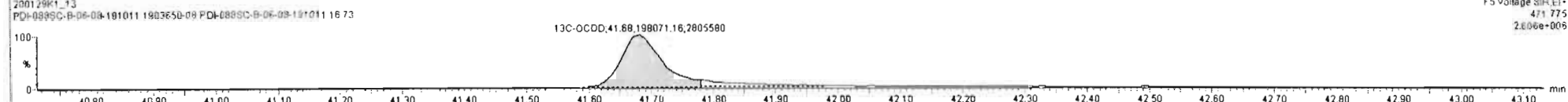
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Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_13, Date: 30-Jan-2020, Time: 00:51:44, ID: 1903650-08 PDI-088SC-B-06-08-191011 16.73, Description: PDI-088SC-B-06-08-191011



Name	Resp	RA	n/y	RFI	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.38e3	0.55	YES	0.9431	10.043	26.12	1.002	0.981		0.208	0.472
2 1,2,3,7,8-PeCDD	2.06e3	0.64	NO	0.8974	10.043	31.25	1.001	1.33		0.159	1.33
3 1,2,3,4,7,8-HxCDD	1.37e3	0.88	YES	1.1680	10.043	34.60	1.001	1.09		0.501	0.925
4 1,2,3,6,7,8-HxCDD	1.49e4	1.25	NO	1.0068	10.043	34.70	1.000	10.3		0.502	10.3
5 1,2,3,7,8,9-HxCDD	4.75e3	1.25	NO	0.9620	10.043	34.97	1.000	3.73		0.557	3.73
6 1,2,3,4,6,7,8-HpCDD	5.06e5	1.08	NO	1.0622	10.043	38.48	1.000	462		2.78	462
7 OCDD	4.47e6	0.90	NO	1.0440	10.043	41.68	1.000	4530		3.37	4530
8 2,3,7,8-TCDF	9.57e4	0.77	NO	0.9700	10.043	25.10	1.001	26.4		0.242	26.4
9 1,2,3,7,8-PeCDF	9.81e4	1.75	NO	0.8580	10.043	29.94	1.001	37.4		0.342	37.4
10 2,3,4,7,8-PeCDF	7.79e4	1.49	NO	1.0074	10.043	30.95	1.001	29.8		0.292	29.8

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

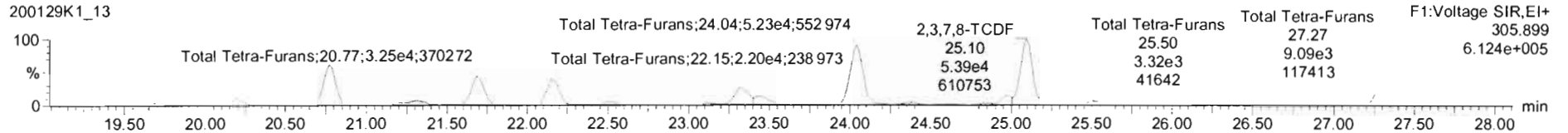
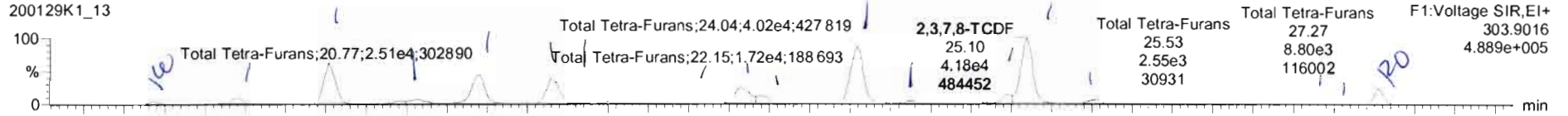


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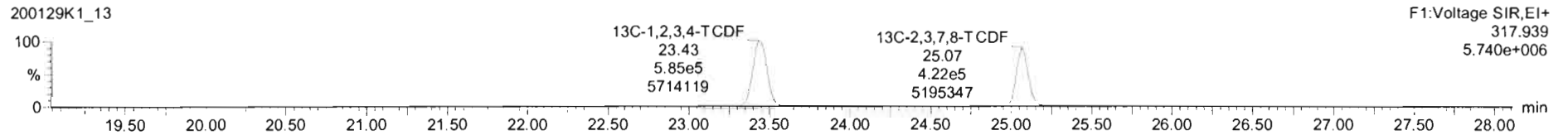
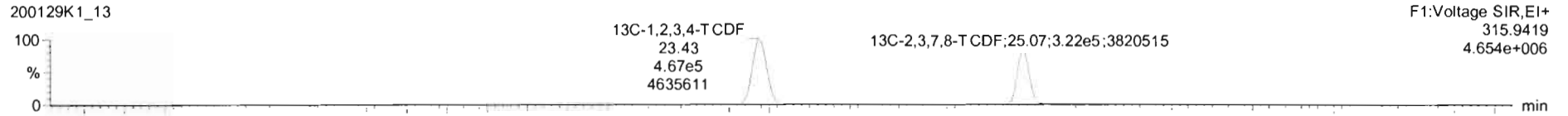
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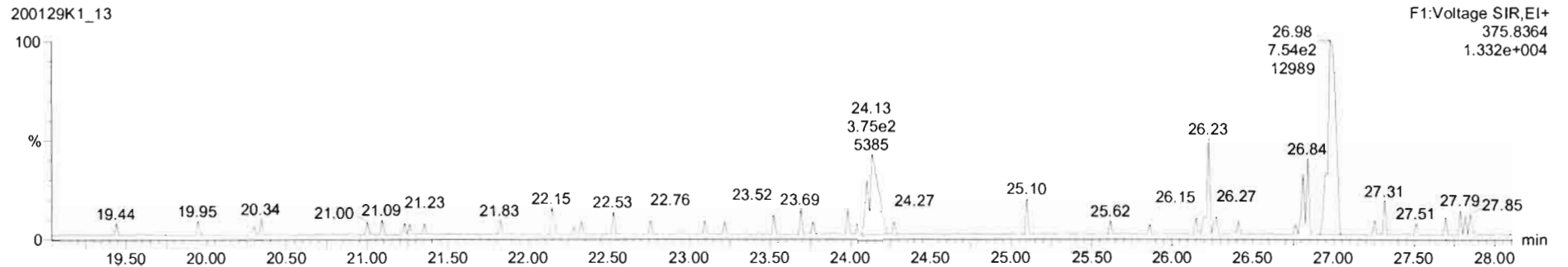
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13C-2,3,7,8-TCDF

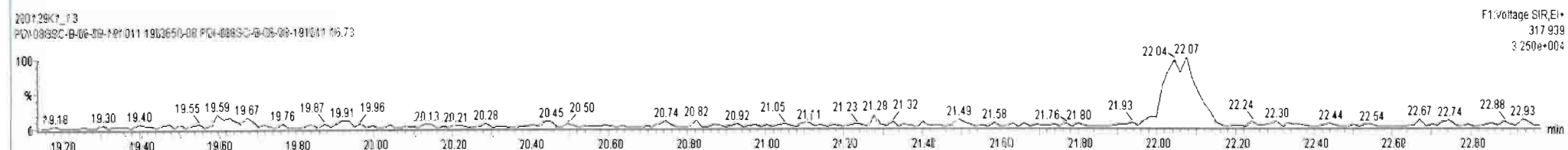
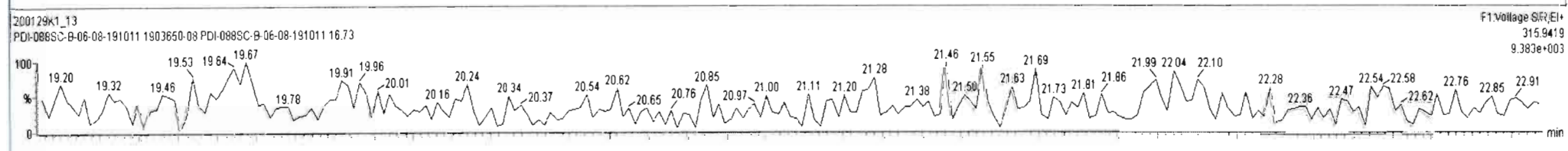
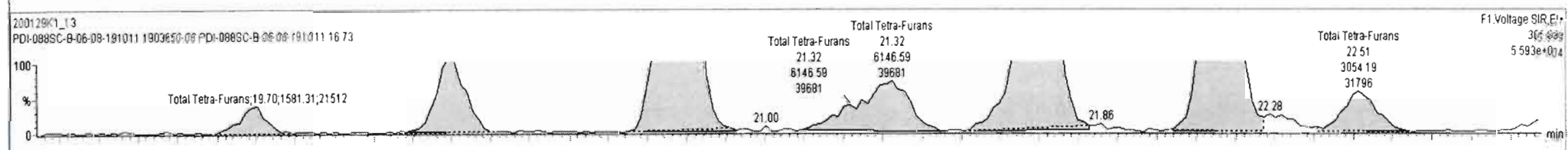
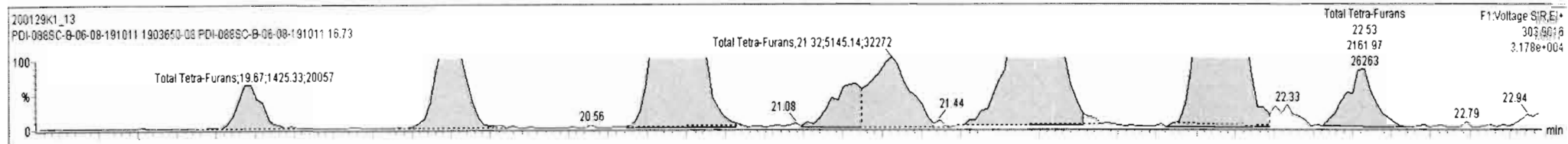


DPE1



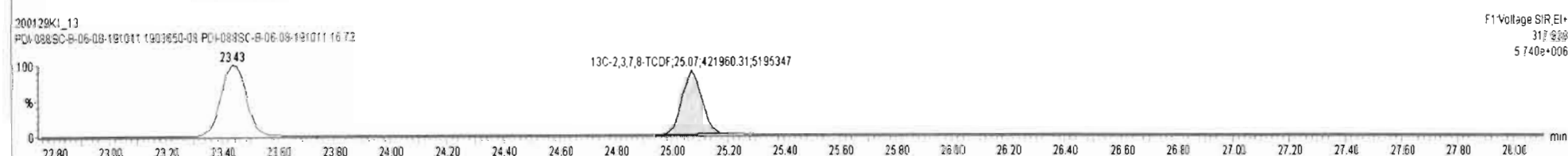
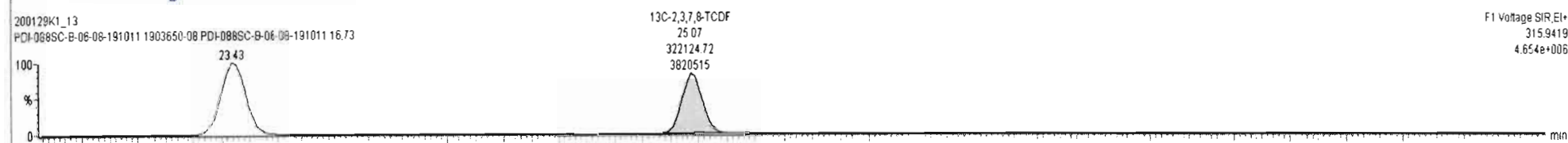
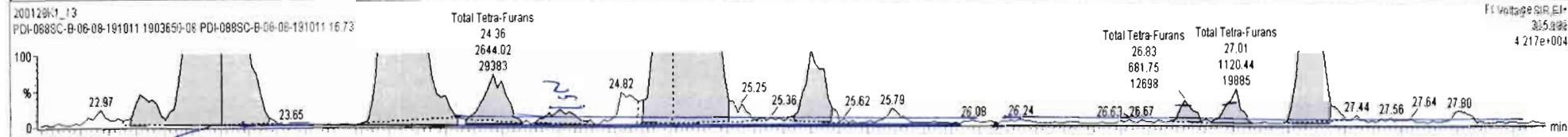
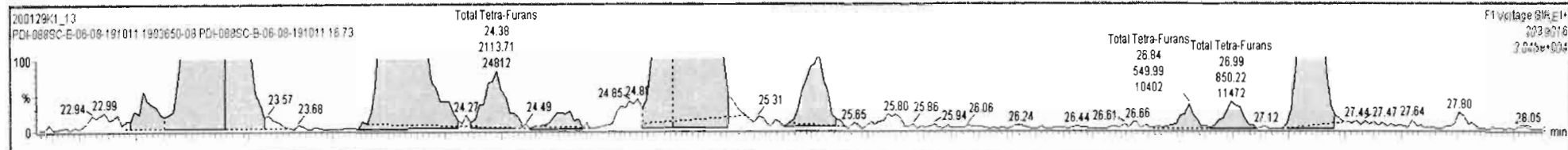
Name	Resp	RA	n/y	RRF	wtAvd	RT	RRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				1.0068	10.043			113		0.538	114
42 Total Hepta-Dioxins				1.0622	10.043			1090		2.82	1090
43 Total Tetra-Furans				0.9700	10.043			119		0.242	124
44 1st Func. Penta-Furans				0.9580	10.043			89.7		0.0610	69.7
45 Total Penta-Furans				0.9580	10.043			145		0.325	145
46 Total Hexa-Furans				1.2131	10.043			274		0.465	276
47 Total Hepta-Furans				1.1891	10.043			548		0.961	549
48 PFK1											
49 PFK2											
50 PFK3											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Furans	19.67	1.425e3	1.581e3	0.90	YES	0.77225	0.00000
2 Total Tetra-Furans	20.21	3.837e3	5.021e3	0.76	NO	2.4441	2.4441
3 Total Tetra-Furans	20.77	2.530e4	3.291e4	0.77	NO	16.061	16.061
4 Total Tetra-Furans	21.32	5.145e3	6.147e3	0.84	NO	3.1155	3.1155
5 Total Tetra-Furans	21.69	2.130e4	2.590e4	0.82	NO	13.023	13.023
6 Total Tetra-Furans	22.15	1.754e4	2.210e4	0.79	NO	10.937	10.937
7 Total Tetra-Furans	22.53	2.162e3	3.054e3	0.71	NO	1.4392	1.4392



Name	Resp	RA	nly	RRF	wtVol	RT	PRT	Conc.	%Rec	DL	EMPC
41 Total Hexa-Dioxins				1.0068	10.043			113		0.538	114
42 Total Hepta-Dioxins				1.0622	10.043			1090		2.82	1090
43 Total Tetra-Furans				0.9700	10.043			119		0.242	124
44 1st Func. Penta-Furans				0.9580	10.043			69.7		0.0610	69.7
45 Total Penta-Furans				0.9580	10.043			145		0.325	145
46 Total Hexa-Furans				1.2131	10.043			274		0.465	276
47 Total Hepta-Furans				1.1891	10.043			548		0.961	549
48 PFK1											
49 PFK2											
50 PFK3											

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Tetra-Furans	19.67	1.425e3	1.581e3	0.90	YES	0.77225	0.00000
2 Total Tetra-Furans	20.21	3.837e3	5.021e3	0.76	NO	2.4441	2.4441
3 Total Tetra-Furans	20.77	2.530e4	3.291e4	0.77	NO	16.061	16.061
4 Total Tetra-Furans	21.32	5.145e3	6.147e3	0.84	NO	3.1155	3.1155
5 Total Tetra-Furans	21.69	2.130e4	2.590e4	0.82	NO	13.023	13.023
6 Total Tetra-Furans	22.15	1.754e4	2.210e4	0.79	NO	10.937	10.937
7 Total Tetra-Furans	22.53	2.162e3	3.054e3	0.71	NO	1.4392	1.4392



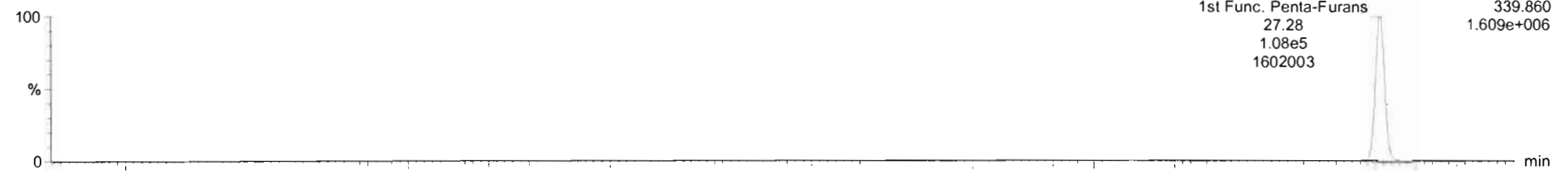
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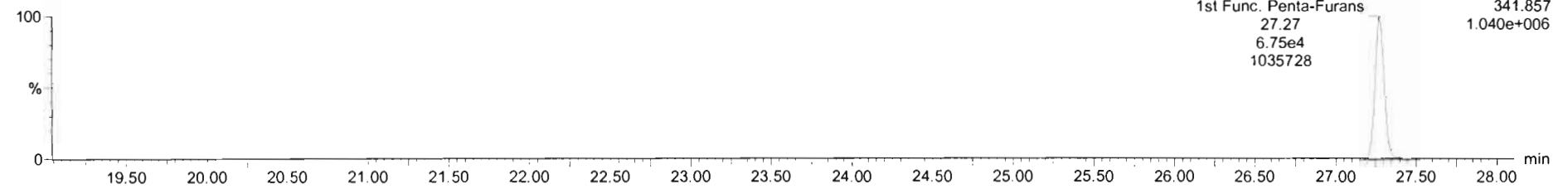
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1st Func. Penta-Furans

200129K1_13

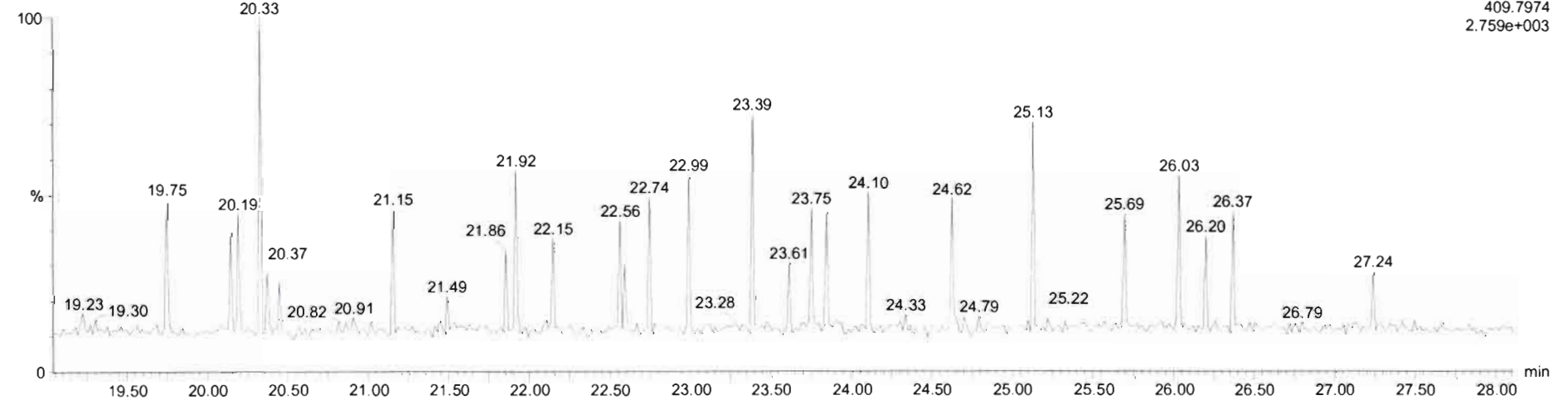


200129K1_13



DPE6

200129K1_13



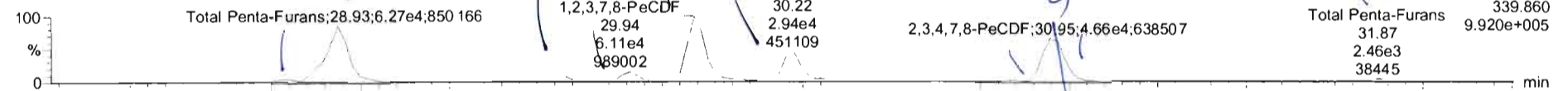
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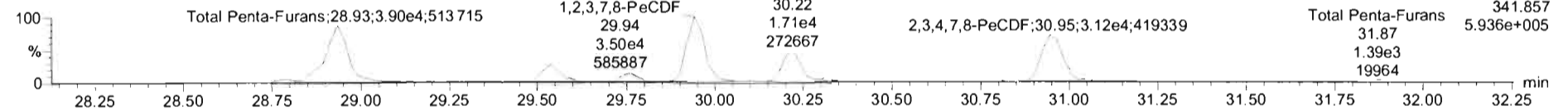
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1,2,3,7,8-PeCDF

200129K1_13

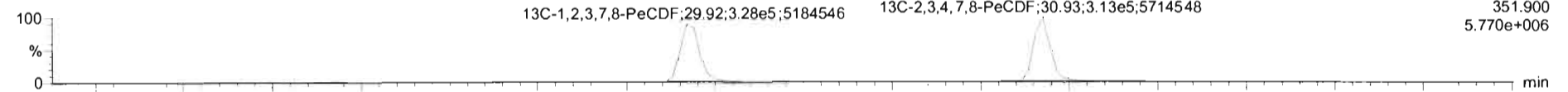


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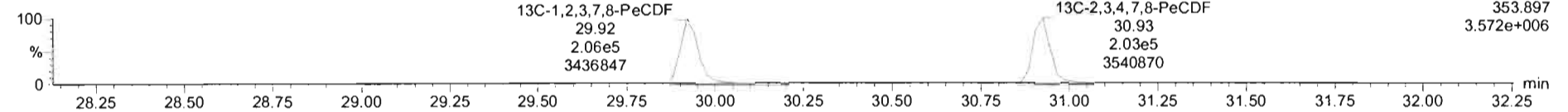


13C-1,2,3,7,8-PeCDF

200129K1_13

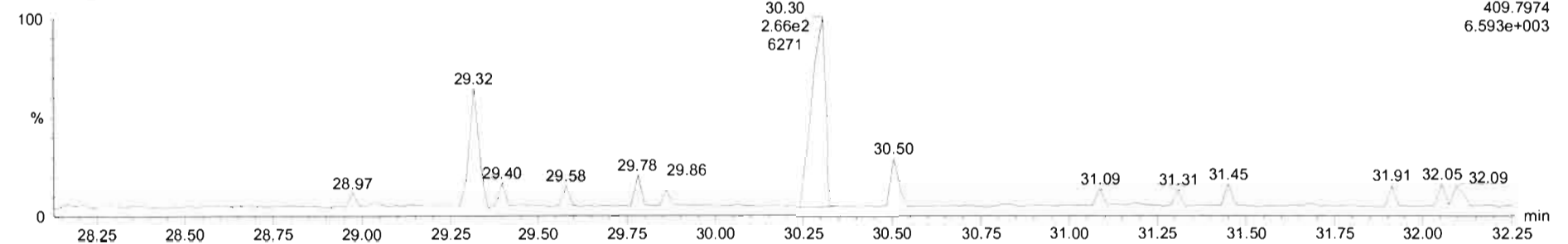


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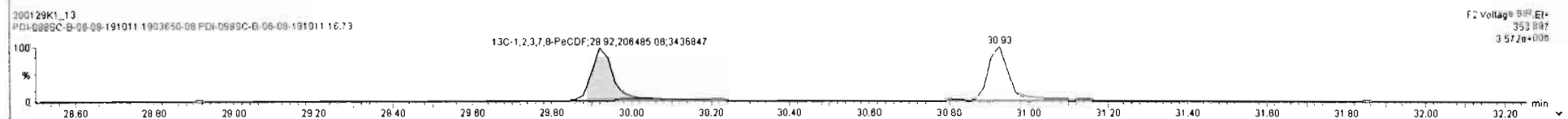
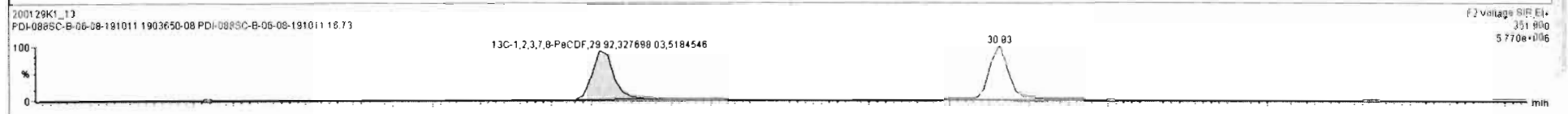
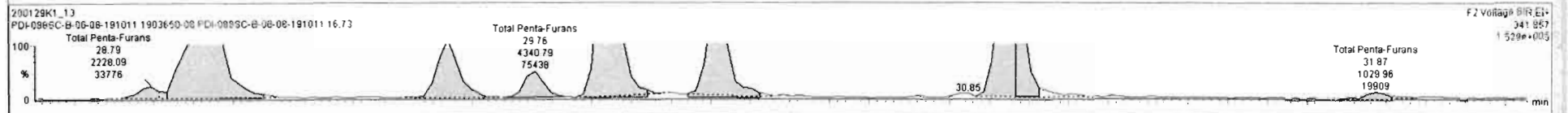
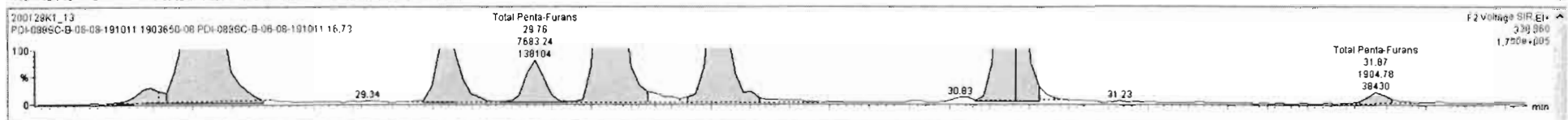
DPE2

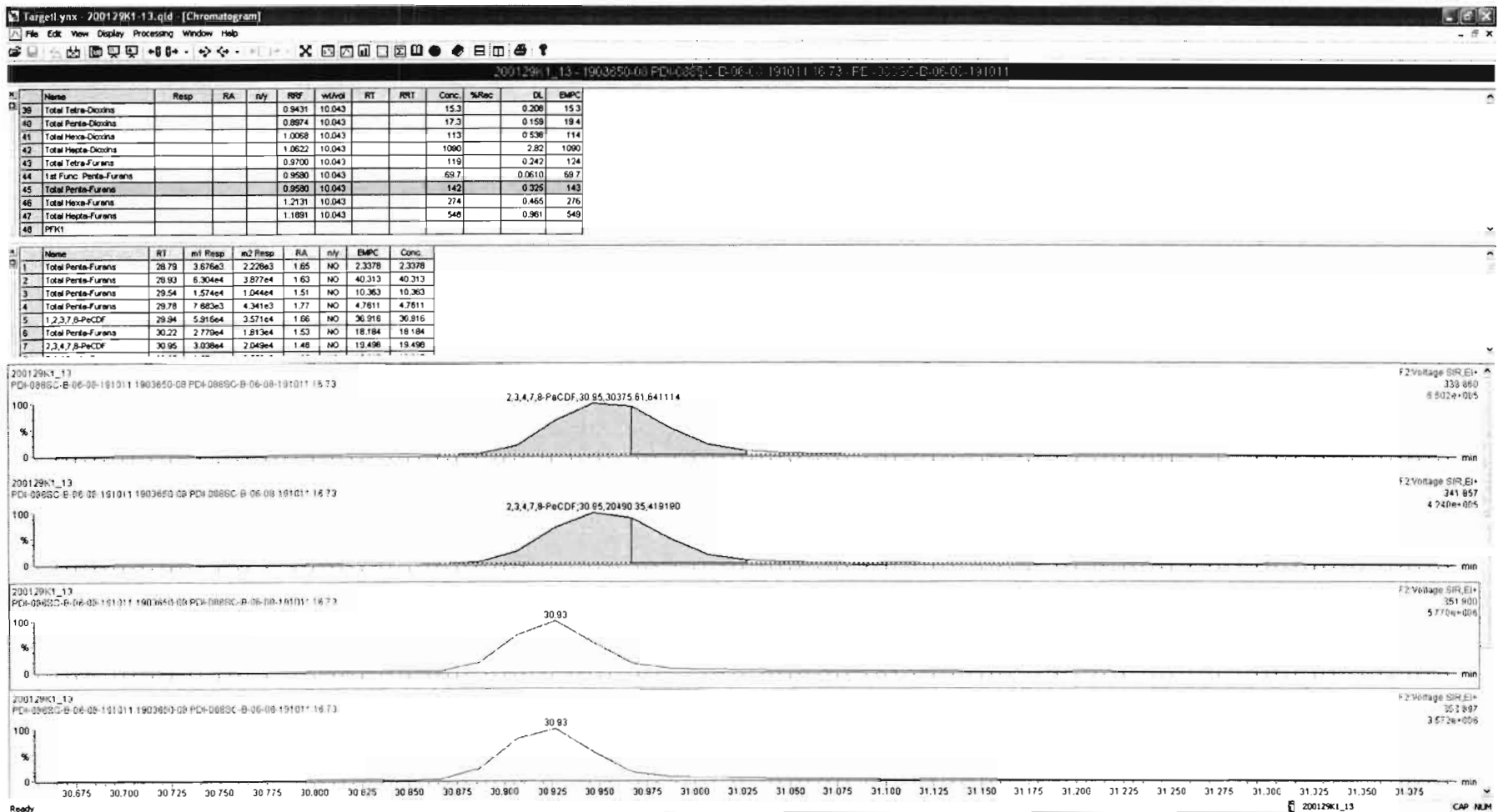
200129K1_13



#	Name	Resp	RA	nVY	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39	Total Tetra-Dioxins				0.9431	10.043			15.3		0.208	15.3
40	Total Penta-Dioxins				0.8974	10.043			17.3		0.159	19.4
41	Total Hexa-Dioxins				1.0068	10.043			113		0.538	114
42	Total Hepta-Dioxins				1.0622	10.043			1090		2.82	1090
43	Total Tetra-Furans				0.9700	10.043			119		0.242	124
44	1st Func. Penta-Furans				0.9590	10.043			69.7		0.0610	69.7
45	Total Penta-Furans				0.8590	10.043			142		0.325	143
46	Total Hexa-Furans				1.2131	10.043			274		0.465	278
47	Total Hepta-Furans				1.1891	10.043			548		0.961	548
48	PFK1											

#	Name	RT	m1 Resp	m2 Resp	RA	nVY	EMPC	Conc.
1	Total Penta-Furans	28.79	3.676e3	2.228e3	1.65	NO	2.3378	2.3378
2	Total Penta-Furans	28.83	6.304e4	3.877e4	1.63	NO	40.313	40.313
3	Total Penta-Furans	29.54	1.574e4	1.044e4	1.51	NO	10.363	10.363
4	Total Penta-Furans	29.76	7.683e3	4.341e3	1.77	NO	4.7611	4.7611
5	1,2,3,7,8-PeCDF	29.94	5.916e4	3.571e4	1.68	NO	36.916	36.916
6	Total Penta-Furans	30.22	2.779e4	1.813e4	1.53	NO	18.184	18.184
7	2,3,4,7,8-PeCDF	30.95	3.038e4	2.049e4	1.48	NO	19.498	19.498



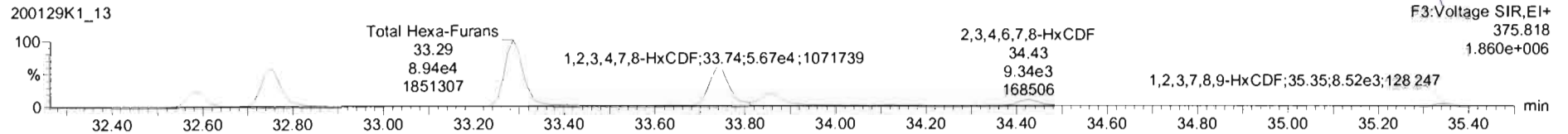
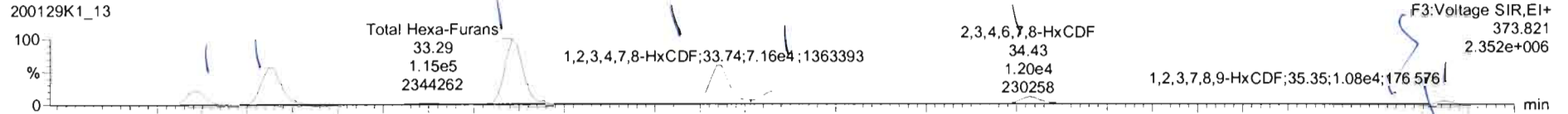


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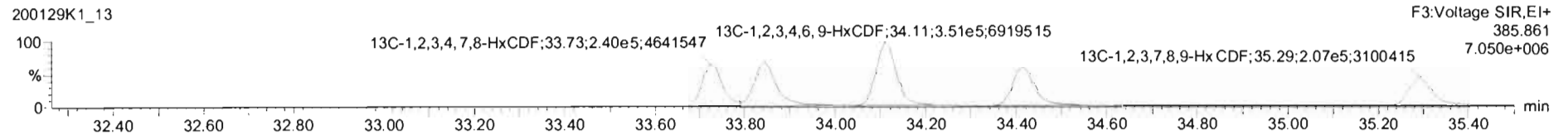
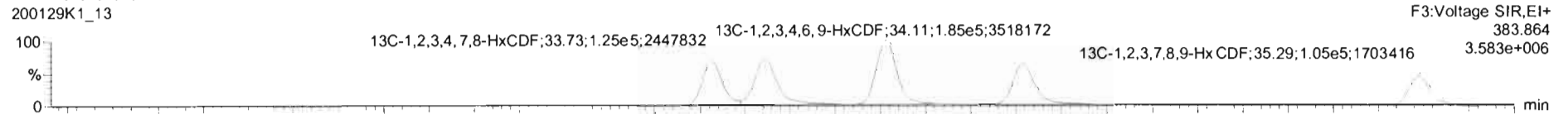
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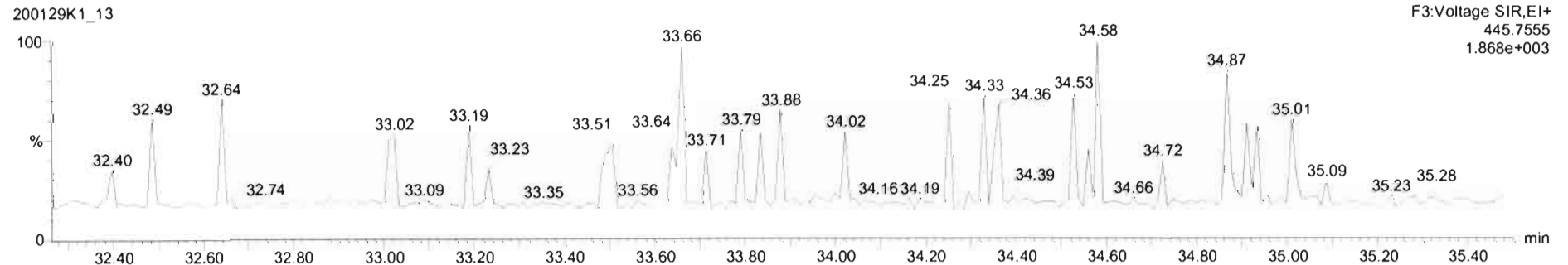
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13C-1,2,3,4,7,8-HxCDF

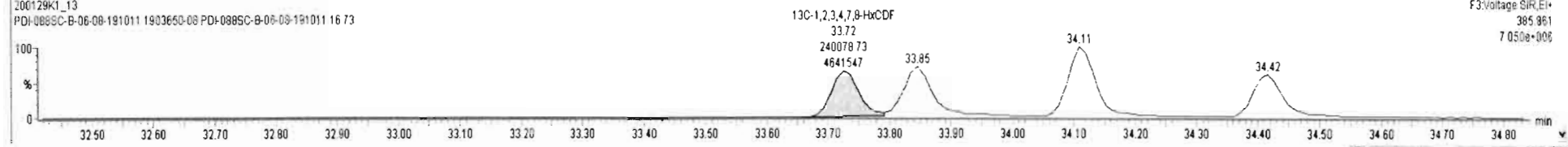
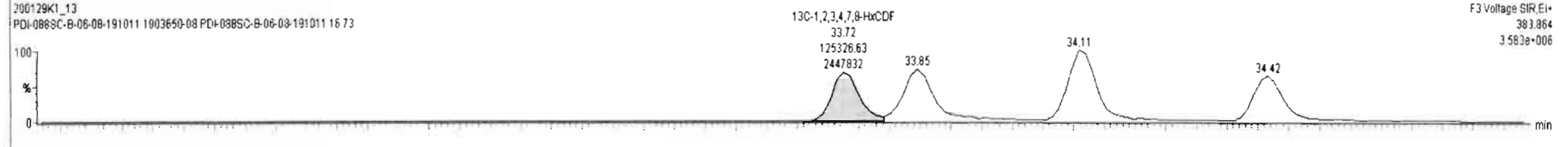
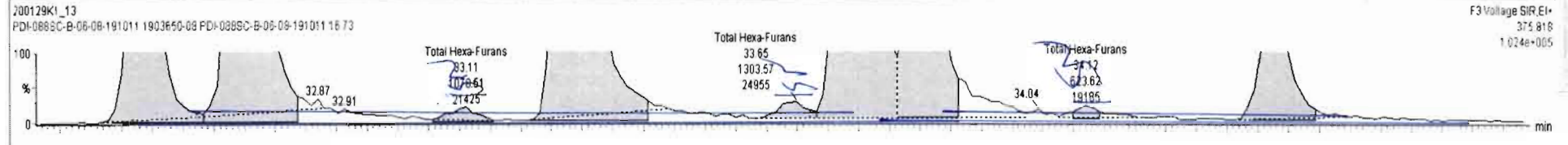
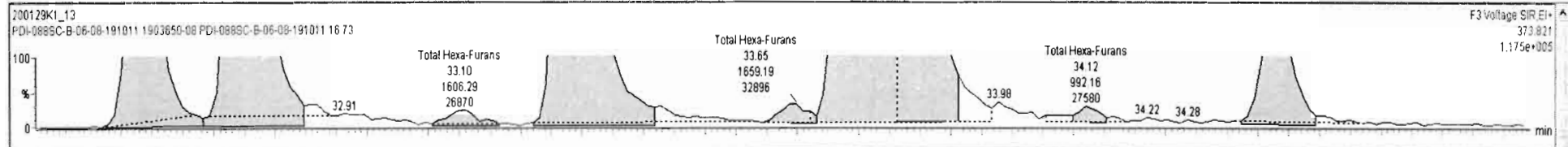


DPE3



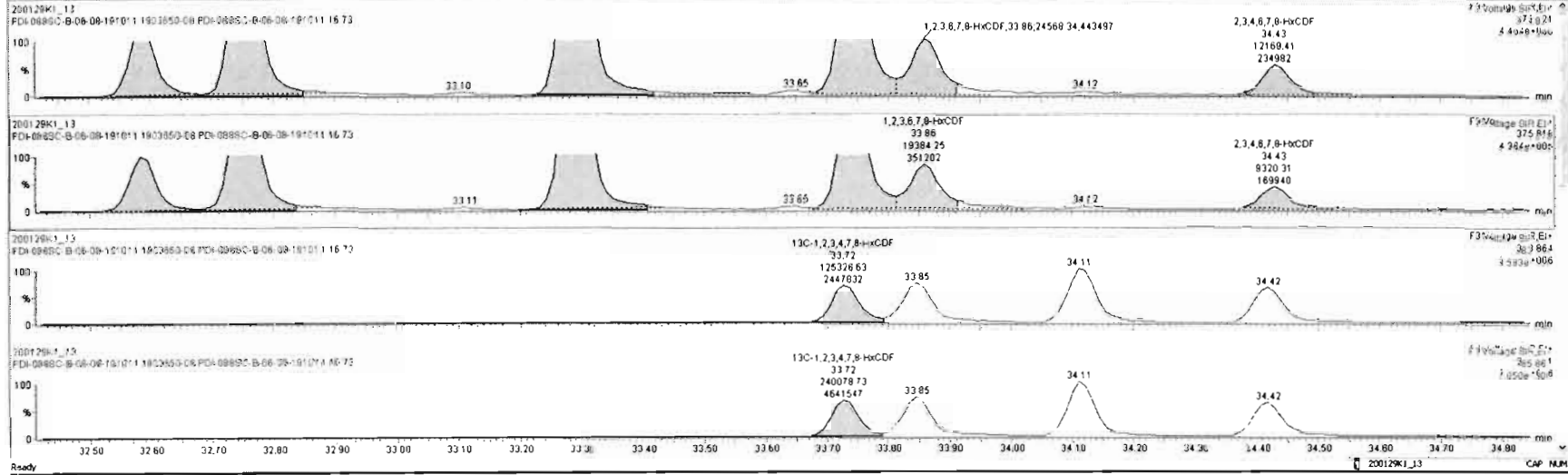
Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9431	10.043			15.3		0.208	15.3
40 Total Penta-Dioxins				0.8974	10.043			17.3		0.159	19.4
41 Total Hexa-Dioxins				1.0068	10.043			113		0.538	114
42 Total Hexa-Dioxins				1.0622	10.043			1090		2.82	1090
43 Total Tetra-Furans				0.9700	10.043			119		0.242	124
44 1st Func. Penta-Furans				0.9590	10.043			69.7		0.0610	69.7
45 Total Penta-Furans				0.9590	10.043			142		0.325	143
46 Total Hexa-Furans				1.2131	10.043			273		0.465	275
47 Total Hexa-Furans				1.1891	10.043			548		0.961	549
48 PFK1											

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Furans	32.58	2.852e4	2.244e4	1.27	NO	23.023	23.023
2 Total Hexa-Furans	32.75	7.359e4	5.717e4	1.29	NO	59.079	59.079
3 Total Hexa-Furans	33.10	1.606e3	1.079e3	1.49	YES	1.0815	0.00000
4 Total Hexa-Furans	33.29	1.149e5	9.081e4	1.27	NO	92.945	92.945
5 Total Hexa-Furans	33.65	1.659e3	1.304e3	1.27	NO	1.3386	1.3386
6 1,2,3,4,7,8-HxCDF	33.74	7.141e4	5.677e4	1.26	NO	60.057	60.057
7 1,2,3,6,7,8-HxCDF	33.86	2.457e4	1.938e4	1.27	NO	18.257	18.257



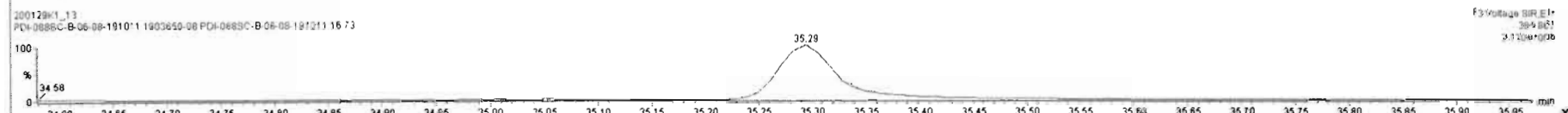
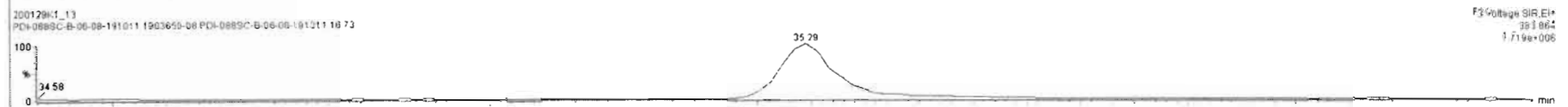
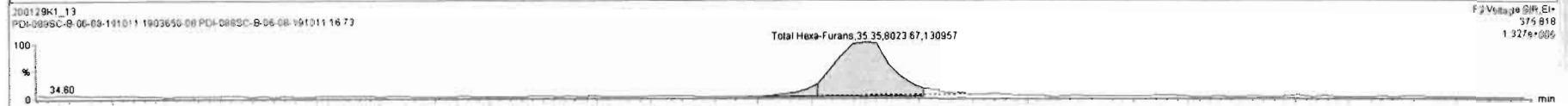
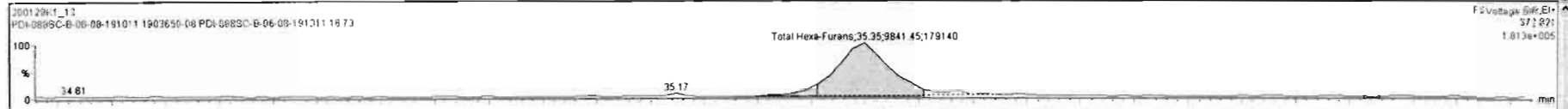
Name	Resp	RA	nly	RSE	wtMol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9431	10.043			15.3		0.208	15.3
40 Total Penta-Dioxins				0.8974	10.043			17.3		0.159	19.4
41 Total Hexa-Dioxins				1.0068	10.043			11.3		0.536	11.4
42 Total Hepta-Dioxins				1.0622	10.043			1090		2.82	1090
43 Total Tetra-Furans				0.9700	10.043			11.9		0.242	12.4
44 1st Func. Penta-Furans				0.9500	10.043			89.7		0.0610	89.7
45 Total Penta-Furans				0.9580	10.043			142		0.325	143
46 Total Hexa-Furans				1.2931	10.043			372		0.485	372
47 Total Hepta-Furans				1.1891	10.043			548		0.961	548
48 PPK1											

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Hexa-Furans	32.58	2.852e4	2.244e4	1.27	NO	23.023	23.023
2 Total Hexa-Furans	32.75	7.355e4	5.717e4	1.29	NO	58.079	58.079
3 Total Hexa-Furans	33.29	1.145e5	9.381e4	1.27	NO	92.945	92.945
4 1,2,3,4,7,8-HxCDF	33.74	7.141e4	5.677e4	1.26	NO	60.057	60.057
5 1,2,3,6,7,8-HxCDF	33.86	2.457e4	1.938e4	1.27	NO	18.257	18.257
6 2,3,4,6,7,8-HxCDF	34.43	1.217e4	9.320e3	1.31	NO	9.9064	9.9064
7 1,2,3,7,8,9-HxCDF	35.31	7.504e2	5.278e2	1.42	NO	0.71789	0.71789



Name	Resp	RA	nly	RRF	wVol	RT	RRF1	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9431	10.043			15.3		0.208	15.3
40 Total Penta-Dioxins				0.8074	10.043			17.3		0.159	19.4
41 Total Hexa-Dioxins				1.0069	10.043			113		0.538	114
42 Total Hepta-Dioxins				1.0622	10.043			1090		2.82	1090
43 Total Tetra-Furans				0.9700	10.043			119		0.242	124
44 1st Func. Penta-Furans				0.9590	10.043			89.7		0.0610	69.7
45 Total Penta-Furans				0.9590	10.043			142		0.325	143
46 Total Hexa-Furans				1.2131	10.043			272		0.465	272
47 Total Hepta-Furans				1.1891	10.043			548		0.961	549
48 PPK1											

Name	RT	int Resp	m2 Resp	RA	nly	EMPC	Conc.
2 Total Hexa-Furans	32.75	7.359e4	5.717e4	1.29	NO	59.079	59.079
3 Total Hexa-Furans	33.29	1.149e5	9.081e4	1.27	NO	92.945	92.945
4 1,2,3,4,7,8-HxCDF	33.74	7.141e4	5.677e4	1.28	NO	60.057	60.057
5 1,2,3,6,7,8-HxCDF	33.86	2.457e4	1.938e4	1.27	NO	18.257	18.257
6 2,3,4,6,7,8-HxCDF	34.43	1.217e4	9.320e3	1.31	NO	9.9064	9.9064
7 1,2,3,7,8,9-HxCDF	35.31	7.504e2	5.278e2	1.42	NO	0.71789	0.71789
8 Total Hexa-Furans	35.35	9.841e3	8.024e3	1.23	NO	8.0717	8.0717

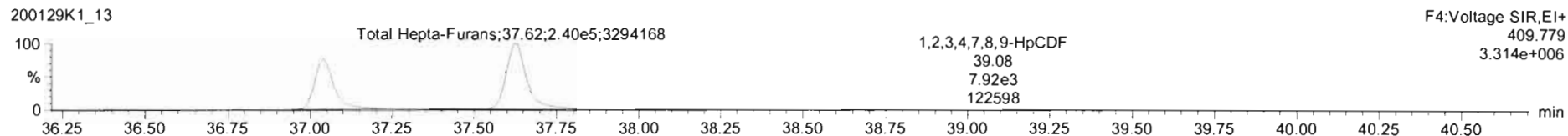
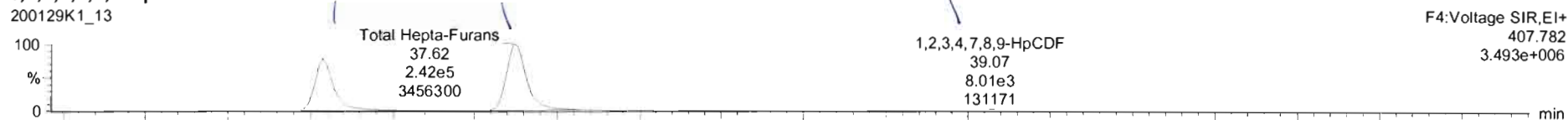


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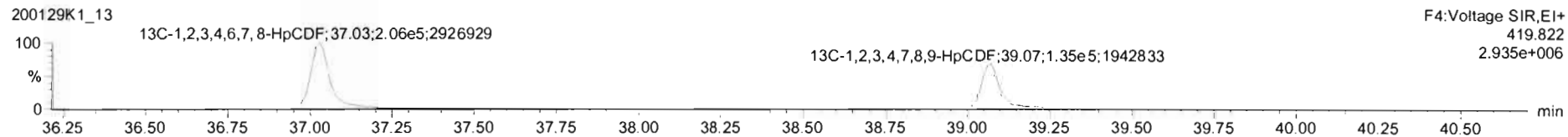
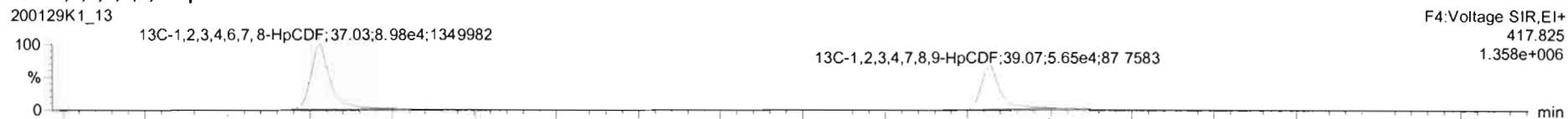
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Name: 200129K1_13, Date: 30-Jan-2020, Time: 00:51:44, ID: 1903650-08 PDI-088SC-B-06-08-191011 16.73, Description: PDI-088SC-B-06-08-191011

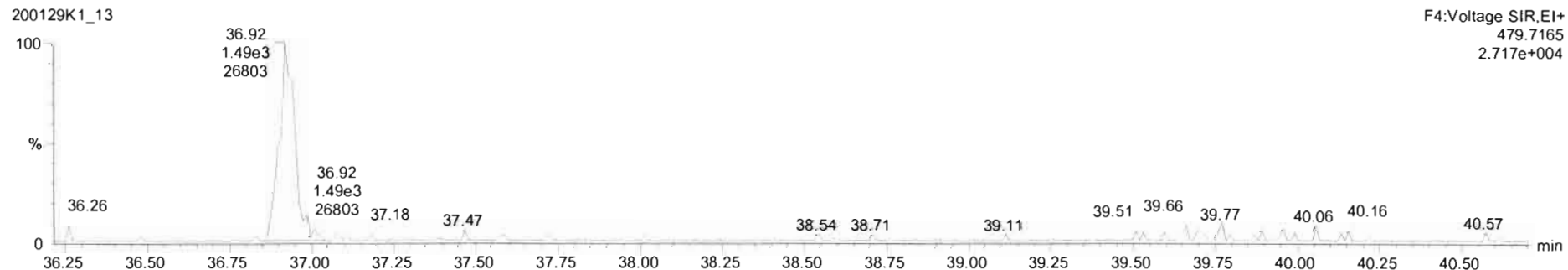
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13C-1,2,3,4,6,7,8-HpCDF



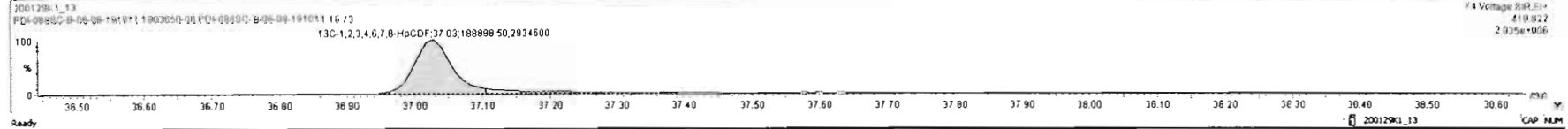
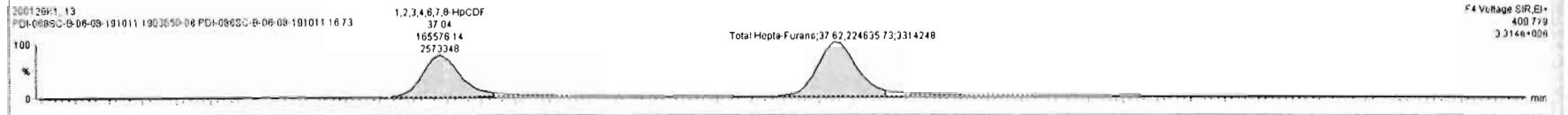
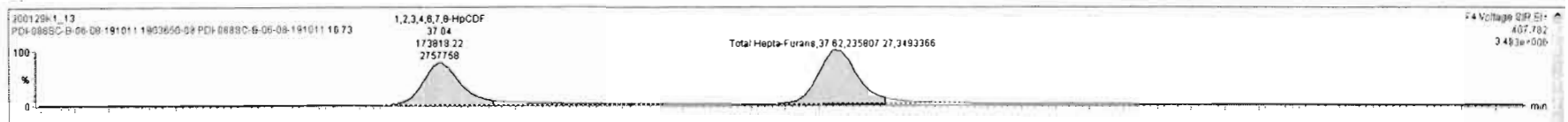
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200129K1_13 - 1903650-08 PDI-0885C-B-06-08-191011 16.73 - PDI-0885C-B-06-08-191011

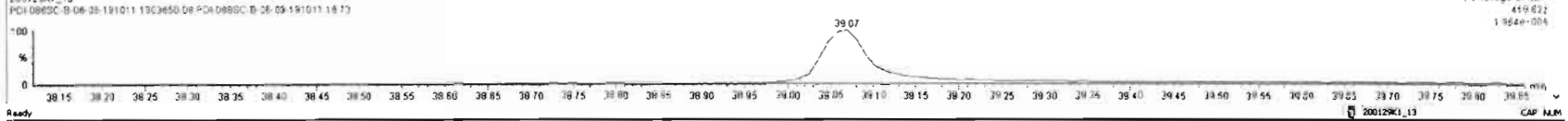
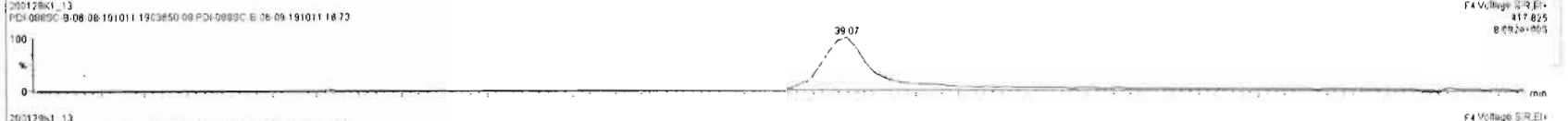
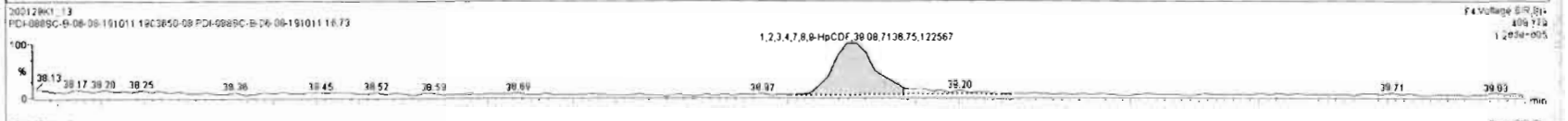
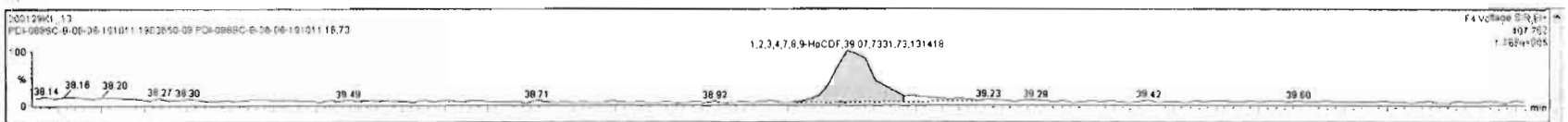
Name	Resp	RA	nfy	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.9431	10.043			15.3		0.206	15.3
40 Total Penta-Dioxins				0.8974	10.043			17.3		0.159	19.4
41 Total Hexa-Dioxins				1.0068	10.043			113		0.536	114
42 Total Hepta-Dioxins				1.0622	10.043			1090		2.82	1060
43 Total Tetra-Furans				0.8700	10.043			119		0.242	124
44 1st Func. Penta-Furans				0.9580	10.043			69.7		0.0610	69.7
45 Total Penta-Furans				0.9580	10.043			142		0.325	143
46 Total Hexa-Furans				1.2131	10.043			272		0.465	272
47 Total Hepta-Furans				1.1881	10.043			549		0.979	549
48 PPK1											

Name	RT	m1 Resp	m2 Resp	RA	nfy	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.04	1.738e5	1.656e5	1.05	NO	207.09	207.09
2 Total Hepta-Furans	37.62	2.358e5	2.246e5	1.05	NO	331.30	331.30
3 1,2,3,4,7,8-HpCDF	38.07	7.332e3	7.137e3	1.03	NO	10.853	10.853



Name	Resp	RA	ny	RPF	wVol	RT	RRT	Conc	%Rec	DL	EMPC
39	Total Tetra-Dioxins			0.9431	10.043			15.3	0.208	15.3	
40	Total Penta-Dioxins			0.8974	10.043			17.3	0.159	18.4	
41	Total Hexa-Dioxins			1.0068	10.043			113	0.536	114	
42	Total Hepta-Dioxins			1.0622	10.043			1090	2.82	1090	
43	Total Tetra-Furans			0.9700	10.043			119	0.242	124	
44	1st Func. Penta-Furans			0.9590	10.043			69.7	0.0610	69.7	
45	Total Penta-Furans			0.9590	10.043			142	0.325	143	
46	Total Hexa-Furans			1.2131	10.043			272	0.465	272	
47	Total Hepta-Furans			1.1601	10.043			549	0.979	549	
48	PFY1										

Name	RT	Int Resp	Int Resp	RA	ny	EMPC	Conc
1 1,2,3,4,6,7,8-HpCDF	37.04	1.738e5	1.556e5	1.05	NO	207.09	207.09
2 Total Hepta-Furans	37.62	2.350e5	2.246e5	1.05	NO	331.30	331.30
3 1,2,3,4,7,8,9-HpCDF	39.07	7.332e3	7.137e3	1.03	NO	10.853	10.853

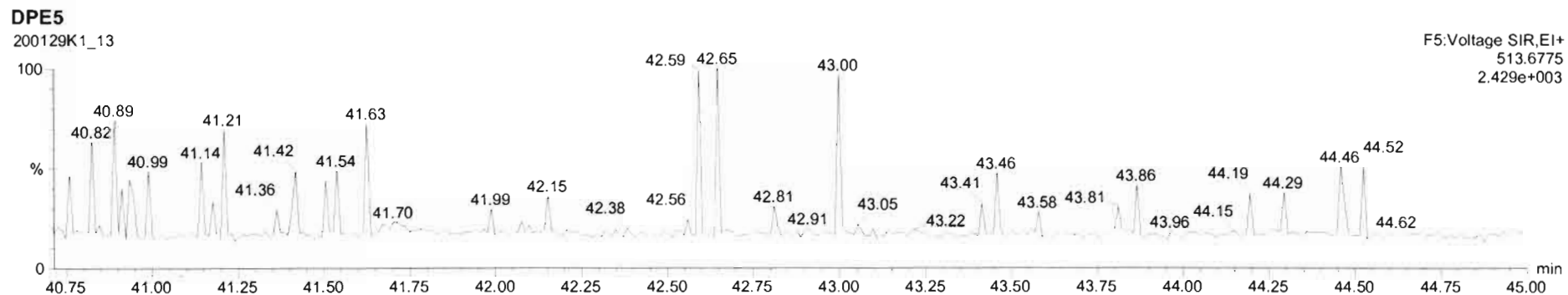
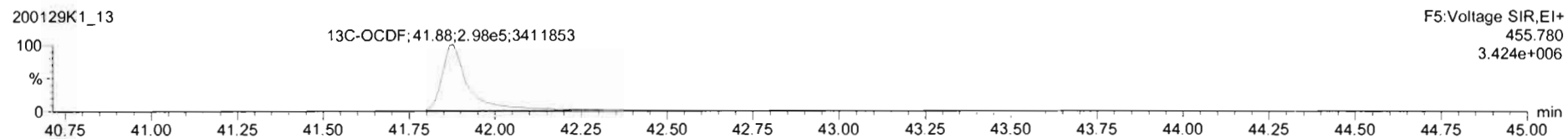
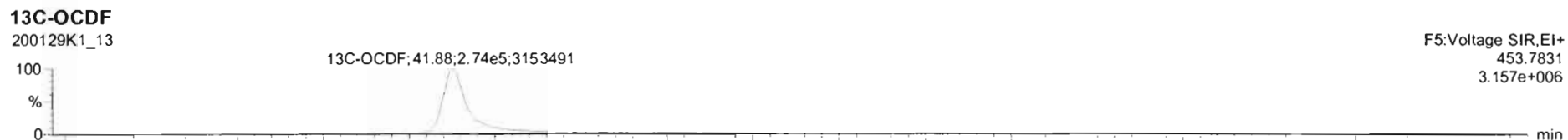
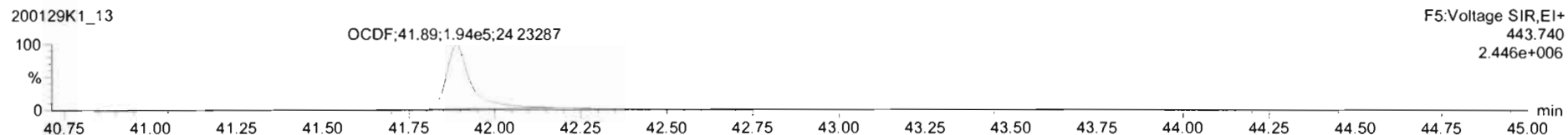
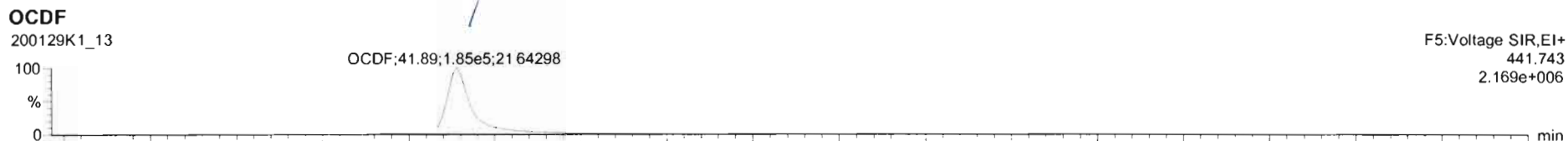


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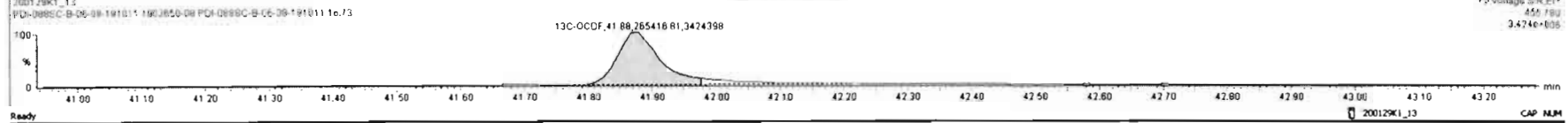
Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_13, Date: 30-Jan-2020, Time: 00:51:44, ID: 1903650-08 PDI-088SC-B-06-08-191011 16.73, Description: PDI-088SC-B-06-08-191011



#	Name	Resp	RA	n/y	RPF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
9	1,2,3,7,8-PeCDF	9.81e4	1.75	NO	0.9590	10.043	29.94	1.001	37.4		0.342	37.4
10	2,3,4,7,8-PeCDF	7.79e4	1.49	NO	1.0074	10.043	30.95	1.001	29.0		0.292	29.0
11	1,2,3,4,7,8-HxCDF	1.28e5	1.26	NO	1.1632	10.043	33.74	1.000	60.1		0.437	60.1
12	1,2,3,6,7,8-HxCDF	4.94e4	1.22	NO	1.1431	10.043	33.96	1.000	20.5		0.431	20.5
13	2,3,4,6,7,8-HxCDF	2.13e4	1.28	NO	1.2131	10.043	34.43	1.000	9.94		0.469	9.94
14	1,2,3,7,8,9-HxCDF	1.33e4	1.27	NO	1.1349	10.043	35.35	1.002	10.8		0.533	10.8
15	1,2,3,4,6,7,8-HpCDF	3.61e5	1.12	NO	1.1891	10.043	37.04	1.000	204		0.903	204
16	1,2,3,4,7,8,9-HpCDF	1.58e4	1.01	NO	1.3896	10.043	39.07	1.000	11.9		1.03	11.9
17	OCDF	3.45e5	0.90	NO	1.0814	10.043	41.80	1.000	256		0.825	256
18	13C-2,3,7,8-TCDF	5.02e5	0.77	NO	1.1733	10.043	26.06	1.028	141	70.7	0.271	

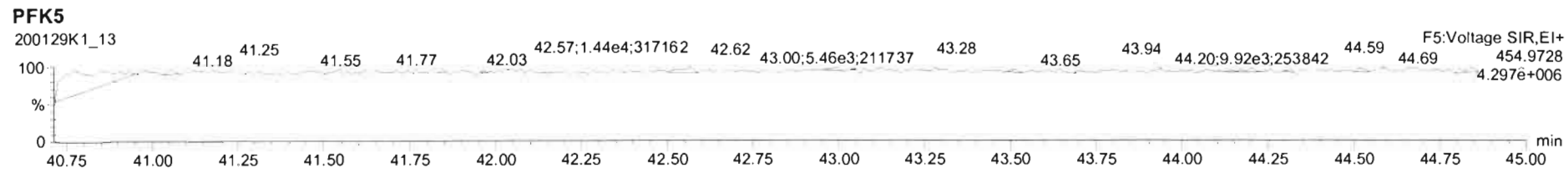
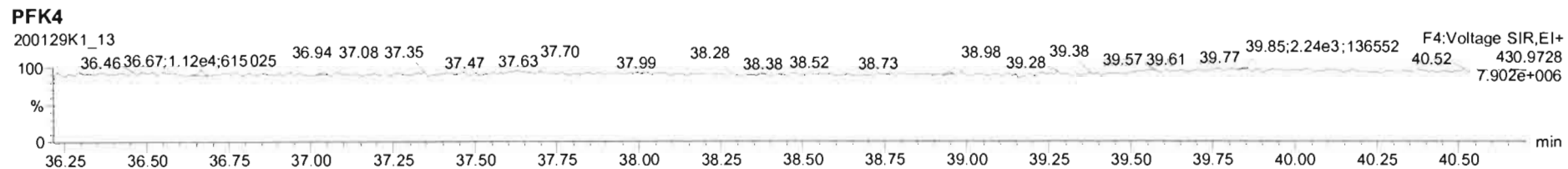
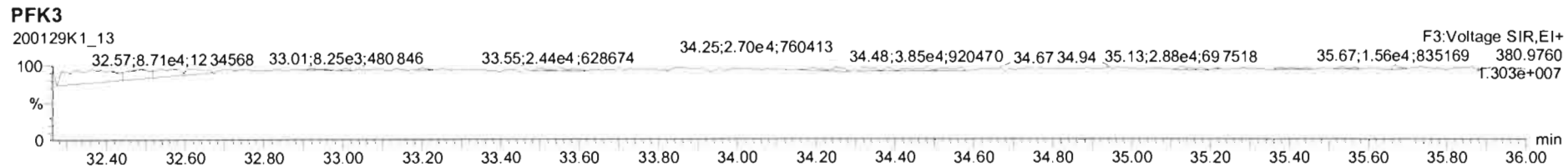
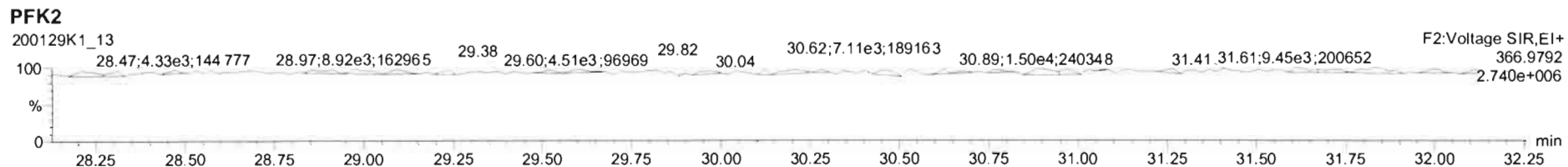
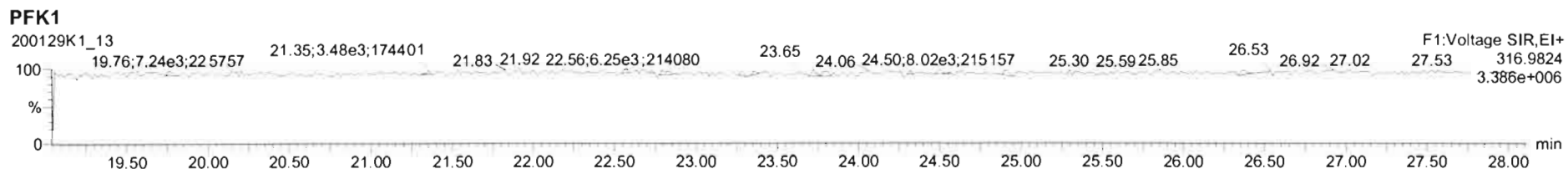
#	Name	RT	n1 Resp	n2 Resp	RA	n/y	EMPC	Conc
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Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_13, Date: 30-Jan-2020, Time: 00:51:44, ID: 1903650-08 PDI-088SC-B-06-08-191011 16.73, Description: PDI-088SC-B-06-08-191011



Dataset: U:\VG11.PRO\Results\200129K1\200129K1-14.qld

Last Altered: Friday, February 07, 2020 13:55:58 Pacific Standard Time

Printed: Friday, February 07, 2020 14:04:26 Pacific Standard Time

July 02-07-2020

C1 02/13/2020

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

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Name: 200129K1_14, Date: 30-Jan-2020, Time: 01:41:20, ID: 1903650-09 PDI-1088SC-B-04-06-191011 17.44, Description: PDI-1088SC-B-04-06-191011

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	924.764	0.671	NO	0.943	10.045 ✓	26.09	26.09	1.00	1.00	NO	0.8109		0.343	0.8109
2	2 1,2,3,7,8-PeCDD	957.595	0.619	NO	0.897	10.045	31.25	31.25	1.00	1.00	NO	1.477		0.349	1.477
3	3 1,2,3,4,7,8-HxCDD	970.865	1.395	NO	1.17	10.045	34.59	34.59	1.00	1.00	NO	1.700		0.817	1.700
4	4 1,2,3,6,7,8-HxCDD	6503.228	1.219	NO	1.01	10.045	34.69	34.69	1.00	1.00	NO	9.722		0.831	9.722
5	5 1,2,3,7,8,9-HxCDD	2464.543	1.376	NO	0.982	10.045	34.99	34.95	1.00	1.00	NO	4.304		1.01	4.304
6	6 1,2,3,4,6,7,8-HpCDD	155073.461	1.060	NO	1.06	10.045	38.44	38.45	1.00	1.00	NO	326.7		3.53	326.7
7	7 OCDD	2282503.2...	0.903	NO	1.04	10.045	41.68	41.69	1.00	1.00	NO	4030		5.22	4030
8	8 2,3,7,8-TCDF	34151.767	0.786	NO	0.970	10.045	25.09	25.10	1.00	1.00	NO	19.17	(17.5)	0.419	19.17
9	9 1,2,3,7,8-PeCDF	45065.859	1.632	NO	0.958	10.045	29.94	29.94	1.00	1.00	NO	36.98		0.355	36.98
10	10 2,3,4,7,8-PeCDF	27316.556	1.521	NO	1.01	10.045	30.96	30.95	1.00	1.00	NO	23.71		0.349	23.71
11	11 1,2,3,4,7,8-HxCDF	91341.238	1.270	NO	1.16	10.045	33.72	33.74	1.00	1.00	NO	91.82		0.719	91.82
12	12 1,2,3,6,7,8-HxCDF	46883.115	1.251	NO	1.14	10.045	33.86	33.86	1.00	1.00	NO	42.35		0.735	42.35
13	13 2,3,4,6,7,8-HxCDF	11840.516	1.178	NO	1.21	10.045	34.44	34.43	1.00	1.00	NO	11.64		0.749	11.64
14	14 1,2,3,7,8,9-HxCDF	1572.824	1.177	NO	1.13	10.045	35.29	35.32	1.00	1.00	NO	2.038		1.09	2.038
15	15 1,2,3,4,6,7,8-HpCDF	99310.281	1.012	NO	1.19	10.045	37.07	37.04	1.00	1.00	NO	122.3		1.19	122.3
16	16 1,2,3,4,7,8,9-HpCDF	13399.996	1.081	NO	1.39	10.045	39.06	39.07	1.00	1.00	NO	21.68		1.55	21.68
17	17 OCDF	208953.617	0.871	NO	1.06	10.045	41.88	41.90	1.00	1.00	NO	271.5		1.32	271.5
18	18 13C-2,3,7,8-TCDD	240767.001	0.789	NO	1.17	10.045	26.05	26.06	1.03	1.03	NO	169.4	85.1	0.707	
19	19 13C-1,2,3,7,8-PeCDD	143886.821	0.609	NO	0.773	10.045	31.23	31.23	1.23	1.23	NO	153.7	77.2	0.663	
20	20 13C-1,2,3,4,7,8-HxCDD	97343.703	1.218	NO	0.600	10.045	34.58	34.58	1.01	1.01	NO	150.5	75.6	1.94	
21	21 13C-1,2,3,6,7,8-HxCDD	132288.137	1.286	NO	0.763	10.045	34.68	34.69	1.02	1.02	NO	160.8	80.7	1.52	
22	22 13C-1,2,3,7,8,9-HxCDD	116112.785	1.322	NO	0.676	10.045	34.95	34.95	1.02	1.02	NO	159.3	80.0	1.72	
23	23 13C-1,2,3,4,6,7,8-HpCDD	88958.610	1.093	NO	0.455	10.045	38.44	38.43	1.13	1.13	NO	181.3	91.1	1.55	
24	24 13C-OCDD	216029.680	0.876	NO	0.371	10.045	41.67	41.68	1.22	1.22	NO	539.6	135	2.36	
25	25 13C-2,3,7,8-TCDF	365769.234	0.771	NO	1.07	10.045	25.07	25.07	0.99	0.99	NO	159.9	80.3	0.827	
26	26 13C-1,2,3,7,8-PeCDF	253264.773	1.637	NO	0.765	10.045	29.92	29.92	1.18	1.18	NO	154.7	77.7	2.01	
27	27 13C-2,3,4,7,8-PeCDF	227716.984	1.615	NO	0.726	10.045	30.93	30.93	1.22	1.22	NO	146.6	73.6	2.12	
28	28 13C-1,2,3,4,7,8-HxCDF	170277.942	0.550	NO	0.965	10.045	33.72	33.72	0.99	0.99	NO	163.7	82.2	1.60	
29	29 13C-1,2,3,6,7,8-HxCDF	192816.156	0.539	NO	1.09	10.045	33.84	33.85	0.99	0.99	NO	163.5	82.1	1.41	
30	30 13C-2,3,4,6,7,8-HxCDF	166926.145	0.504	NO	0.984	10.045	34.41	34.40	1.01	1.01	NO	157.4	79.0	1.57	
31	31 13C-1,2,3,7,8,9-HxCDF	135377.324	0.514	NO	0.790	10.045	35.31	35.29	1.04	1.03	NO	158.8	79.8	1.95	

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-14.qld

Last Altered: Friday, February 07, 2020 13:55:58 Pacific Standard Time

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Name: 200129K1_14, Date: 30-Jan-2020, Time: 01:41:20, ID: 1903650-09 PDI-1088SC-B-04-06-191011 17.44, Description: PDI-1088SC-B-04-06-191011

	# Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	135984.020	0.448	NO	0.734	10.045	37.02	37.03	1.09	1.09	NO	171.9	86.3	1.54	
33	33 13C-1,2,3,4,7,8,9-HpCDF	88574.033	0.452	NO	0.459	10.045	39.04	39.06	1.14	1.15	NO	179.0	89.9	2.46	
34	34 13C-OCDF	288767.828	0.932	NO	0.500	10.045	41.91	41.88	1.23	1.23	NO	535.3	134	1.86	
35	35 37Cl-2,3,7,8-TCDD	88395.672			1.12	10.045	26.07	26.08	1.03	1.03	NO	64.91	81.5	0.194	
36	36 13C-1,2,3,4-TCDD	241156.672	0.779	NO	1.00	10.045	25.36	25.36	1.00	1.00	NO	199.1	100	0.830	
37	37 13C-1,2,3,4-TCDF	425970.656	0.782	NO	1.00	10.045	23.43	23.43	1.00	1.00	NO	199.1	100	0.884	
38	38 13C-1,2,3,4,6,9-HxCDF	214706.945	0.516	NO	1.00	10.045	34.10	34.11	1.00	1.00	NO	199.1	100	1.54	
39	39 Total Tetra-Dioxins				0.943	10.045	24.62		0.00		NO	19.63		0.343	21.03
40	40 Total Penta-Dioxins				0.897	10.045	29.96		0.00		NO	18.62		0.349	22.33
41	41 Total Hexa-Dioxins				1.01	10.045	33.63		0.00		NO	92.24		0.914	104.2
42	42 Total Hepta-Dioxins				1.06	10.045	38.80		0.00		NO	784.2		3.53	784.2
43	43 Total Tetra-Furans				0.970	10.045	23.61		0.00		NO	80.97		0.419	95.64
44	44 1st Func. Penta-Furans				0.958	10.045	27.04		0.00		NO	48.98		0.135	48.98
45	45 Total Penta-Furans				0.958	10.045	29.27		0.00		NO	124.8		0.361	130.2
46	46 Total Hexa-Furans				1.21	10.045	33.56		0.00		NO	273.7		0.773	273.7
47	47 Total Hepta-Furans				1.19	10.045	37.83		0.00		NO	396.0		1.43	396.0

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-14.qld

Last Altered: Friday, February 07, 2020 13:55:58 Pacific Standard Time

Printed: Friday, February 07, 2020 14:01:46 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_14, Date: 30-Jan-2020, Time: 01:41:20, ID: 1903650-09 PDI-1088SC-B-04-06-191011 17.44, Description: PDI-1088SC-B-04-06-191011

Tetra-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	1 2,3,7,8-TCDD	9.25e2	2.41e5	0.671	NO	26.09	26.09	0.8109	0.8109
2	39 Total Tetra-Dioxins	0.00e0	2.41e5	0.682	NO	24.62	25.80	0.0000	1.137
3	39 Total Tetra-Dioxins	4.47e2	2.41e5	0.841	NO	24.62	24.91	0.3920	0.3920
4	39 Total Tetra-Dioxins	7.02e2	2.41e5	0.669	NO	24.62	24.17	0.6158	0.6158
5	39 Total Tetra-Dioxins	1.89e3	2.41e5	0.674	NO	24.62	22.13	1.659	1.659
6	39 Total Tetra-Dioxins	1.84e4	2.41e5	0.792	NO	24.62	21.72	16.15	16.15
7	39 Total Tetra-Dioxins	0.00e0	2.41e5	0.762	NO	24.62	25.77	0.0000	0.2660

Penta-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	40 Total Penta-Dioxins	0.00e0	1.44e5	1.038	YES	29.96	31.63	0.0000	0.5237
2	40 Total Penta-Dioxins	0.00e0	1.44e5	1.013	YES	29.96	31.31	0.0000	0.6995
3	2 1,2,3,7,8-PeCDD	9.58e2	1.44e5	0.619	NO	31.25	31.25	1.477	1.477
4	40 Total Penta-Dioxins	1.73e3	1.44e5	0.635	NO	29.96	30.46	2.661	2.661
5	40 Total Penta-Dioxins	9.01e2	1.44e5	0.722	NO	29.96	30.26	1.389	1.389
6	40 Total Penta-Dioxins	0.00e0	1.44e5	0.456	YES	29.96	30.16	0.0000	1.797
7	40 Total Penta-Dioxins	3.53e3	1.44e5	0.641	NO	29.96	30.00	5.446	5.446
8	40 Total Penta-Dioxins	8.86e2	1.44e5	0.584	NO	29.96	29.48	1.367	1.367
9	40 Total Penta-Dioxins	4.07e3	1.44e5	0.577	NO	29.96	28.99	6.283	6.283
10	40 Total Penta-Dioxins	0.00e0	1.44e5	0.920	YES	29.96	31.55	0.0000	0.2835
11	40 Total Penta-Dioxins	0.00e0	1.44e5	0.811	YES	29.96	30.83	0.0000	0.4032

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-14.qld

Last Altered: Friday, February 07, 2020 13:55:58 Pacific Standard Time

Printed: Friday, February 07, 2020 14:01:46 Pacific Standard Time

Name: 200129K1_14, Date: 30-Jan-2020, Time: 01:41:20, ID: 1903650-09 PDI-1088SC-B-04-06-191011 17.44, Description: PDI-1088SC-B-04-06-191011

Hexa-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	5 1,2,3,7,8,9-HxCDD	2.46e3	1.16e5	1.376	NO	34.99	34.95	4.304	4.304
2	41 Total Hexa-Dioxins	0.00e0	0.00e0	1.529	YES	33.63	34.87	0.0000	1.820
3	4 1,2,3,6,7,8-HxCDD	6.50e3	1.32e5	1.219	NO	34.69	34.69	9.722	9.722
4	3 1,2,3,4,7,8-HxCDD	9.71e2	9.73e4	1.395	NO	34.59	34.59	1.700	1.700
5	41 Total Hexa-Dioxins	2.40e4	0.00e0	1.162	NO	33.63	33.93	41.25	41.25
6	41 Total Hexa-Dioxins	0.00e0	0.00e0	1.143	NO	33.63	33.67	0.0000	4.670
7	41 Total Hexa-Dioxins	0.00e0	0.00e0	0.795	YES	33.63	33.21	0.0000	1.183
8	41 Total Hexa-Dioxins	2.06e4	0.00e0	1.286	NO	33.63	33.13	35.26	35.26
9	41 Total Hexa-Dioxins	0.00e0	0.00e0	1.467	YES	33.63	33.71	0.0000	0.5758
10	41 Total Hexa-Dioxins	0.00e0	0.00e0	0.962	YES	33.63	34.02	0.0000	3.738

Hepta-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	6 1,2,3,4,6,7,8-HpCDD	1.55e5	8.90e4	1.060	NO	38.44	38.45	326.7	326.7
2	42 Total Hepta-Dioxins	2.17e5	8.90e4	1.042	NO	38.80	37.42	457.4	457.4

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-14.qld

Last Altered: Friday, February 07, 2020 13:55:58 Pacific Standard Time

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Name: 200129K1_14, Date: 30-Jan-2020, Time: 01:41:20, ID: 1903650-09 PDI-1088SC-B-04-06-191011 17.44, Description: PDI-1088SC-B-04-06-191011

Tetra-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	43 Total Tetra-Furans	0.00e0	3.66e5	0.986	YES	23.61	22.32	0.0000	0.4141
2	43 Total Tetra-Furans	1.42e4	3.66e5	0.768	NO	23.61	22.18	7.957	7.957
3	43 Total Tetra-Furans	1.84e4	3.66e5	0.763	NO	23.61	21.67	10.35	10.35
4	43 Total Tetra-Furans	0.00e0	3.66e5	0.896	YES	23.61	21.34	0.0000	2.772
5	43 Total Tetra-Furans	2.09e4	3.66e5	0.781	NO	23.61	20.79	11.71	11.71
6	43 Total Tetra-Furans	3.67e3	3.66e5	0.865	NO	23.61	20.19	2.059	2.059
7	43 Total Tetra-Furans	1.61e3	3.66e5	0.662	NO	23.61	19.66	0.9020	0.9020
8	43 Total Tetra-Furans	0.00e0	3.66e5	1.060	YES	23.61	27.28	0.0000	2.974
9	43 Total Tetra-Furans	4.51e2	3.66e5	0.854	NO	23.61	25.77	0.2529	0.2529
10	43 Total Tetra-Furans	3.13e3	3.66e5	0.843	NO	23.61	25.50	1.756	1.756
11	8 2,3,7,8-TCDF	3.42e4	3.66e5	0.786	NO	25.09	25.10	19.17	19.17
12	43 Total Tetra-Furans	5.00e3	3.66e5	0.812	NO	23.61	24.98	2.804	2.804
13	43 Total Tetra-Furans	0.00e0	3.66e5	0.552	YES	23.61	24.84	0.0000	0.3078
14	43 Total Tetra-Furans	0.00e0	3.66e5	1.089	YES	23.61	24.38	0.0000	0.9701
15	43 Total Tetra-Furans	3.55e4	3.66e5	0.768	NO	23.61	24.03	19.93	19.93
16	43 Total Tetra-Furans	7.29e3	3.66e5	0.767	NO	23.61	23.43	4.089	4.089
17	43 Total Tetra-Furans	0.00e0	3.66e5	0.904	YES	23.61	23.32	0.0000	5.131
18	43 Total Tetra-Furans	0.00e0	3.66e5	0.648	YES	23.61	23.14	0.0000	0.5852
19	43 Total Tetra-Furans	0.00e0	3.66e5	1.165	YES	23.61	22.96	0.0000	0.2255
20	43 Total Tetra-Furans	0.00e0	3.66e5	0.985	YES	23.61	22.51	0.0000	1.284

Penta-Furans function 1

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	44 1st Func. Penta-Fura...	5.67e4	0.00e0	1.599	NO	27.04	27.27	48.98	48.98

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-14.qld

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Name: 200129K1_14, Date: 30-Jan-2020, Time: 01:41:20, ID: 1903650-09 PDI-1088SC-B-04-06-191011 17.44, Description: PDI-1088SC-B-04-06-191011

Penta-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	45 Total Penta-Furans	0.00e0	0.00e0	1.139	YES	29.27	31.87	0.0000	0.8750
2	10 2,3,4,7,8-PeCDF	2.73e4	2.28e5	1.521	NO	30.96	30.95	23.71	23.71
3	45 Total Penta-Furans	0.00e0	0.00e0	1.927	YES	29.27	30.83	0.0000	0.5391
4	45 Total Penta-Furans	1.83e4	0.00e0	1.464	NO	29.27	30.22	15.79	15.79
5	9 1,2,3,7,8-PeCDF	4.51e4	2.53e5	1.632	NO	29.94	29.94	36.98	36.98
6	45 Total Penta-Furans	0.00e0	0.00e0	1.788	YES	29.27	29.76	0.0000	3.967
7	45 Total Penta-Furans	1.04e4	0.00e0	1.776	NO	29.27	29.54	9.010	9.010
8	45 Total Penta-Furans	4.35e4	0.00e0	1.536	NO	29.27	28.93	37.57	37.57
9	45 Total Penta-Furans	1.98e3	0.00e0	1.449	NO	29.27	28.79	1.714	1.714

Hexa-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	46 Total Hexa-Furans	1.62e3	0.00e0	1.280	NO	33.56	33.65	1.602	1.602
2	46 Total Hexa-Furans	5.72e4	0.00e0	1.264	NO	33.56	33.29	56.48	56.48
3	46 Total Hexa-Furans	9.97e2	0.00e0	1.414	NO	33.56	33.11	0.9839	0.9839
4	46 Total Hexa-Furans	4.50e4	0.00e0	1.258	NO	33.56	32.75	44.38	44.38
5	46 Total Hexa-Furans	1.38e4	0.00e0	1.338	NO	33.56	32.58	13.58	13.58
6	14 1,2,3,7,8,9-HxCDF	1.57e3	1.35e5	1.177	NO	35.29	35.32	2.038	2.038
7	13 2,3,4,6,7,8-HxCDF	1.18e4	1.67e5	1.178	NO	34.44	34.43	11.64	11.64
8	46 Total Hexa-Furans	2.15e3	0.00e0	1.273	NO	33.56	34.12	2.125	2.125
9	12 1,2,3,6,7,8-HxCDF	4.69e4	1.93e5	1.251	NO	33.86	33.86	42.35	42.35
10	11 1,2,3,4,7,8-HxCDF	9.13e4	1.70e5	1.270	NO	33.72	33.74	91.82	91.82
11	46 Total Hexa-Furans	6.75e3	0.00e0	1.254	NO	33.56	35.35	6.660	6.660

Hepta-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	16 1,2,3,4,7,8,9-HpCDF	1.34e4	8.86e4	1.081	NO	39.06	39.07	21.68	21.68
2	47 Total Hepta-Furans	1.67e5	0.00e0	1.063	NO	37.83	37.62	249.1	249.1
3	47 Total Hepta-Furans	1.96e3	0.00e0	0.949	NO	37.83	37.41	2.916	2.916
4	15 1,2,3,4,6,7,8-HpCDF	9.93e4	1.36e5	1.012	NO	37.07	37.04	122.3	122.3

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Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time

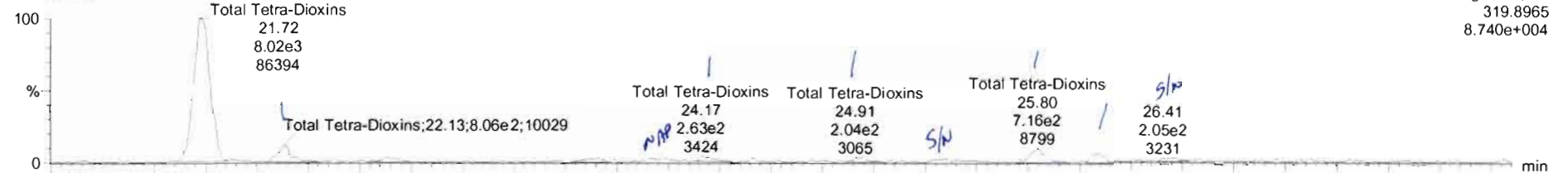
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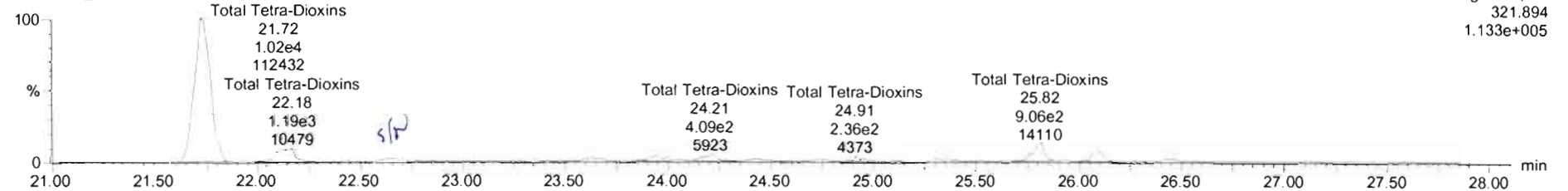
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2,3,7,8-TCDD

200129K1_14

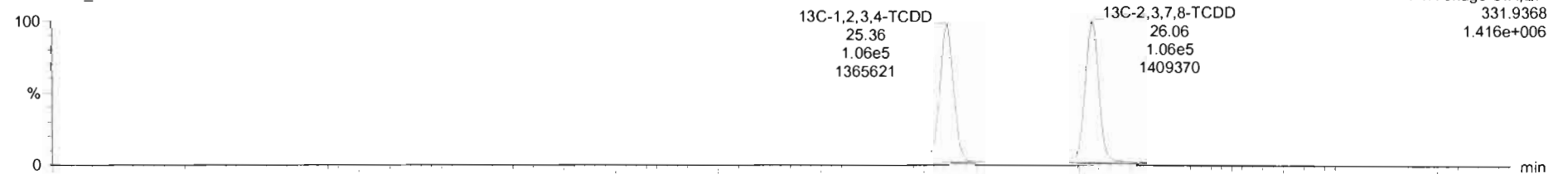


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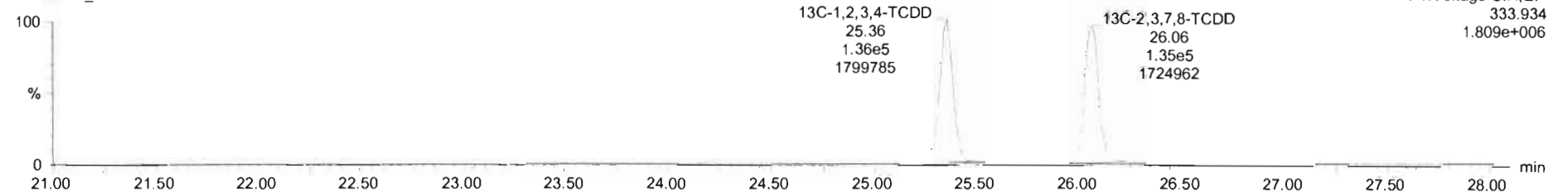


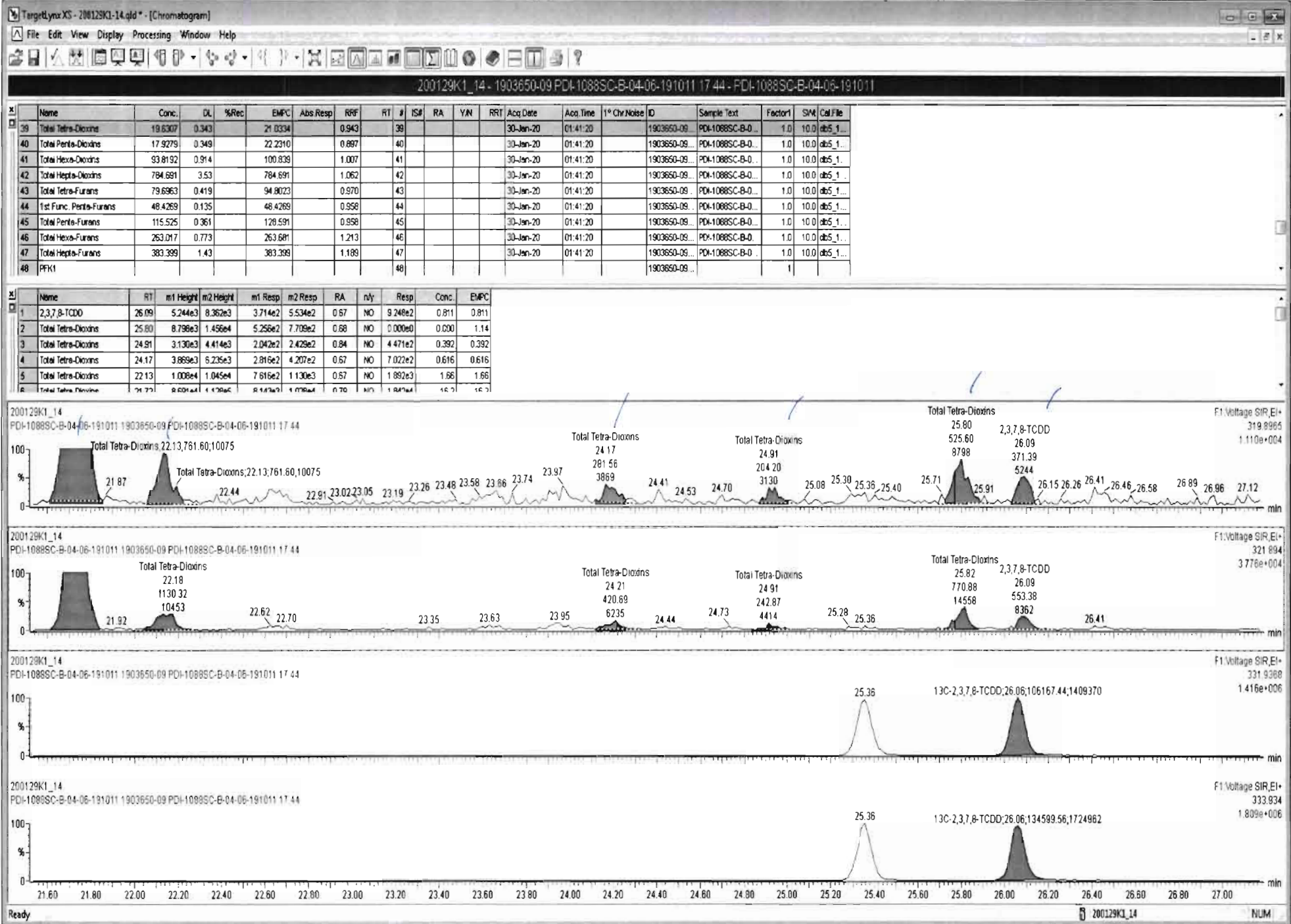
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200129K1_14



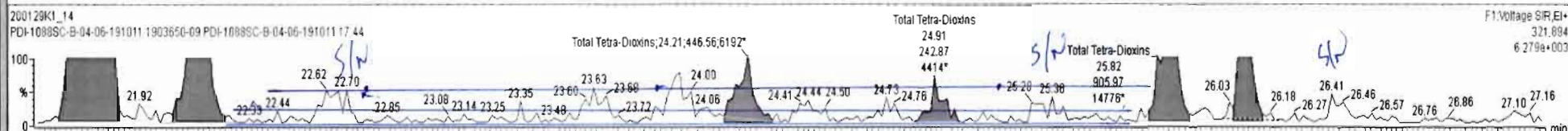
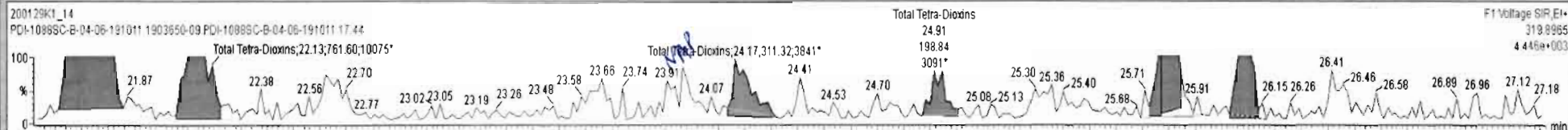
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Name	Conc.	DL	%Rec	EMPC	Abs Resp	RPF	RT	#	ISA	RA	Y/N	RRT	Acq Date	Acq Time	1° Chr.Noise	ID	Sample Text	Factor1	SVM	Cal File
39 Total Tetra-Dioxins	21.7073	0.343		23.7881		0.943	38						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	db5_1...
40 Total Penta-Dioxins	17.9279	0.349		22.2310		0.897	40						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	db5_1...
41 Total Hexa-Dioxins	93.8192	0.914		100.839		1.007	41						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	db5_1...
42 Total Hepta-Dioxins	784.691	3.53		784.691		1.062	42						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	db5_1...
43 Total Tetra-Furans	79.6963	0.419		94.8023		0.970	43						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	db5_1...
44 1st Func. Penta-Furans	48.4269	0.135		48.4269		0.958	44						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	db5_1...
45 Total Penta-Furans	115.525	0.361		128.591		0.958	45						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	db5_1...
46 Total Hexa-Furans	263.017	0.773		263.681		1.213	46						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	db5_1...
47 Total Hepta-Furans	383.399	1.43		383.399		1.189	47						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	db5_1...
48 PFK1							48									1903650-09...		1		

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC
1 2,3,7,8-TCDD	26.09	5.244e3	8.362e3	3.714e2	5.534e2	0.67	NO	9.248e2	0.811	0.811
2 Total Tetra-Dioxins	25.80	8.799e3	1.456e4	7.160e2	9.349e2	0.77	NO	1.651e3	1.45	1.45
3 Total Tetra-Dioxins	24.91	3.086e3	4.373e3	2.044e2	2.362e2	0.87	NO	4.406e2	0.396	0.386
4 Total Tetra-Dioxins	24.17	3.424e3	5.923e3	2.634e2	4.092e2	0.64	YES	0.000e0	0.030	0.531
5 Total Tetra-Dioxins	22.13	1.003e4	1.028e4	8.056e2	1.073e3	0.75	NO	1.979e3	1.65	1.65
6 Total Tetra-Dioxins	24.73	8.629e3	1.179e4	8.776e2	1.079e3	0.78	NO	1.809e3	1.61	1.61



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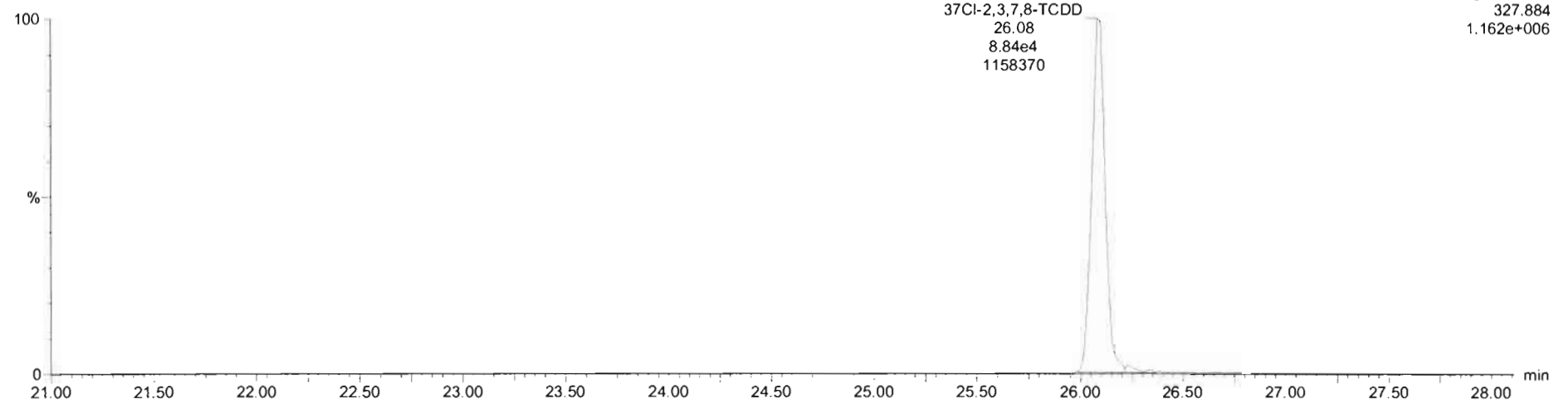
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Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_14, Date: 30-Jan-2020, Time: 01:41:20, ID: 1903650-09 PDI-1088SC-B-04-06-191011 17.44, Description: PDI-1088SC-B-04-06-191011

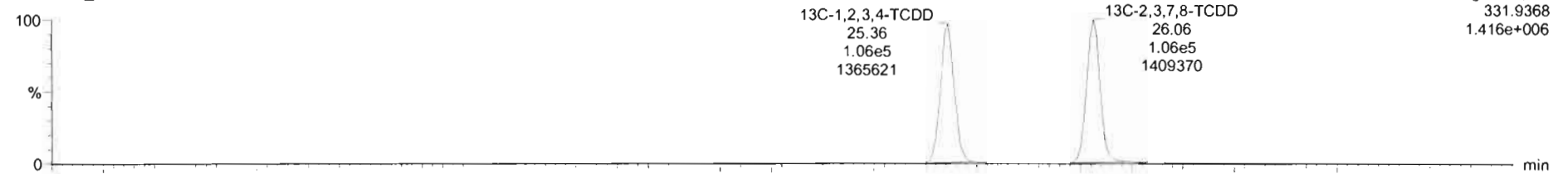
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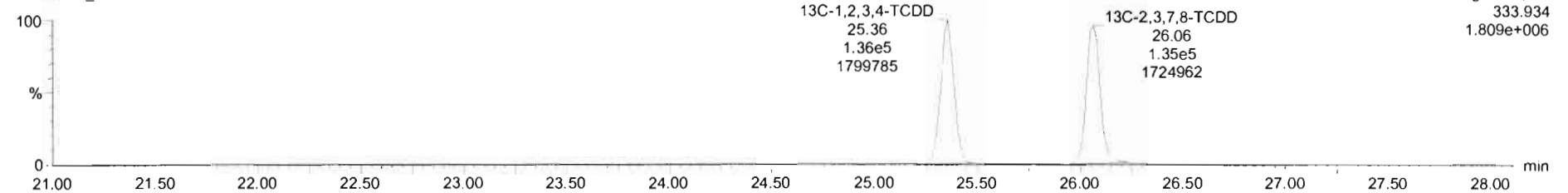


13C-1,2,3,4-TCDD

200129K1_14



200129K1_14

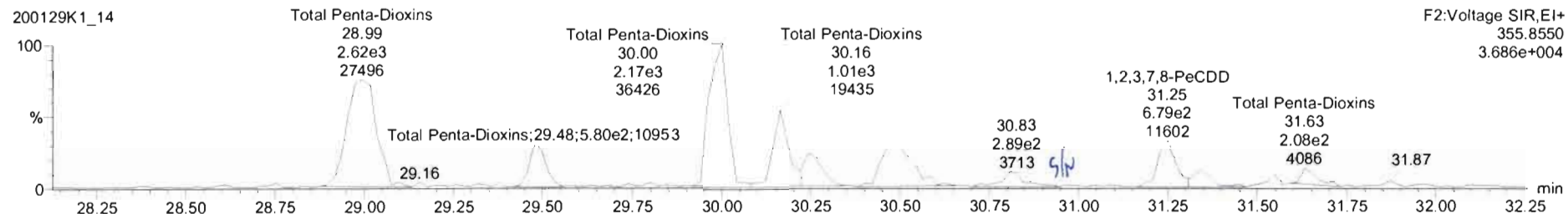
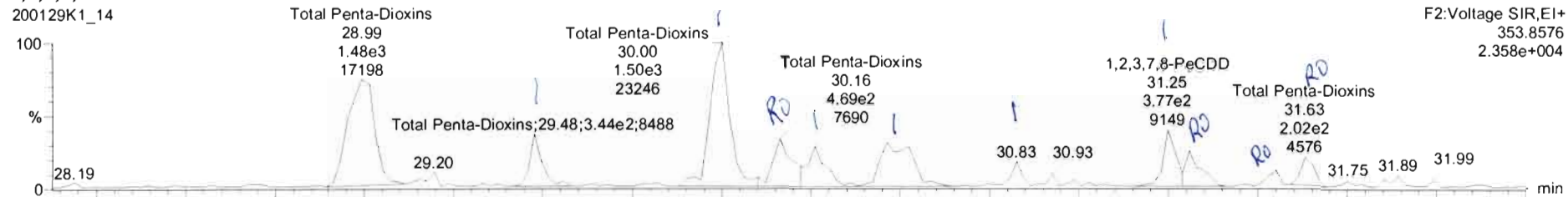


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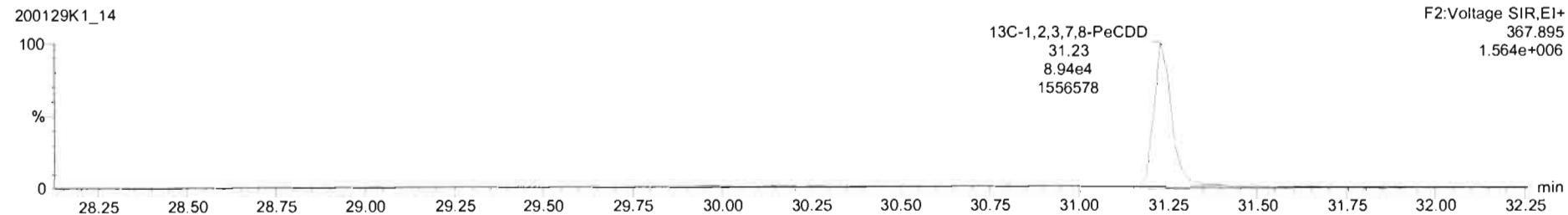
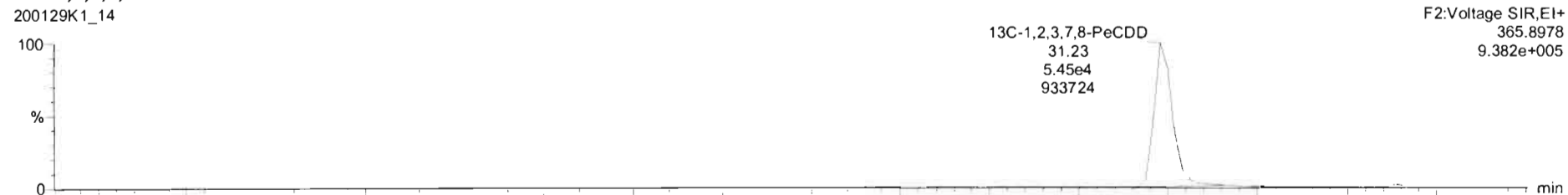
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1,2,3,7,8-PeCDD



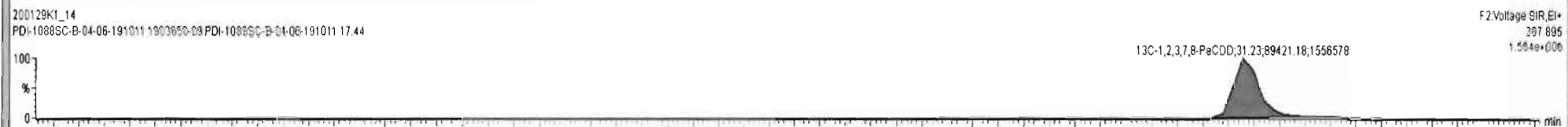
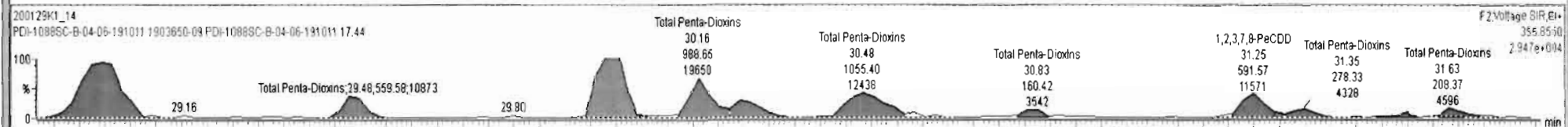
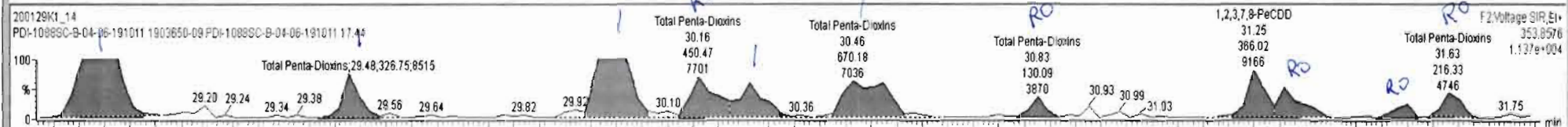
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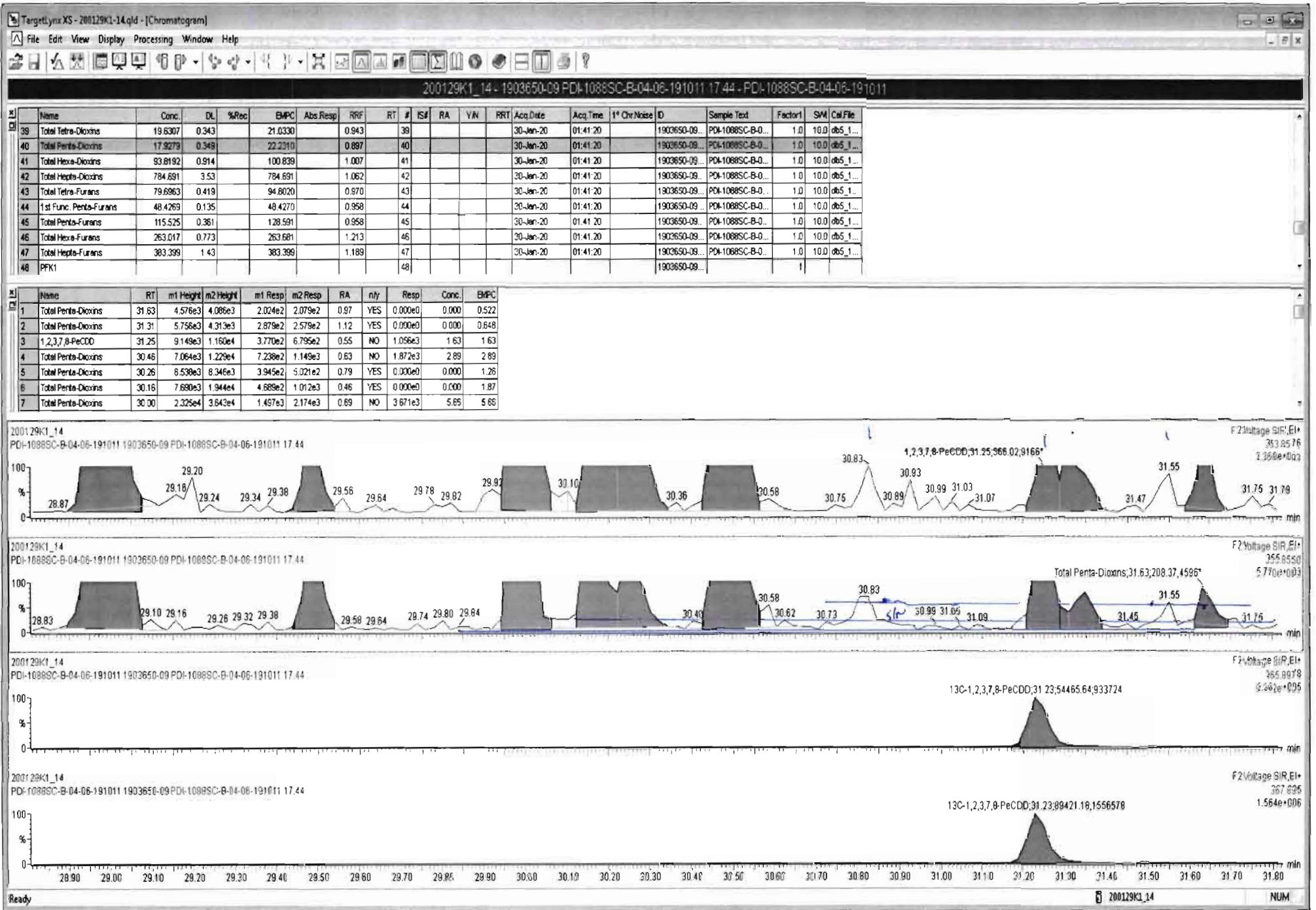


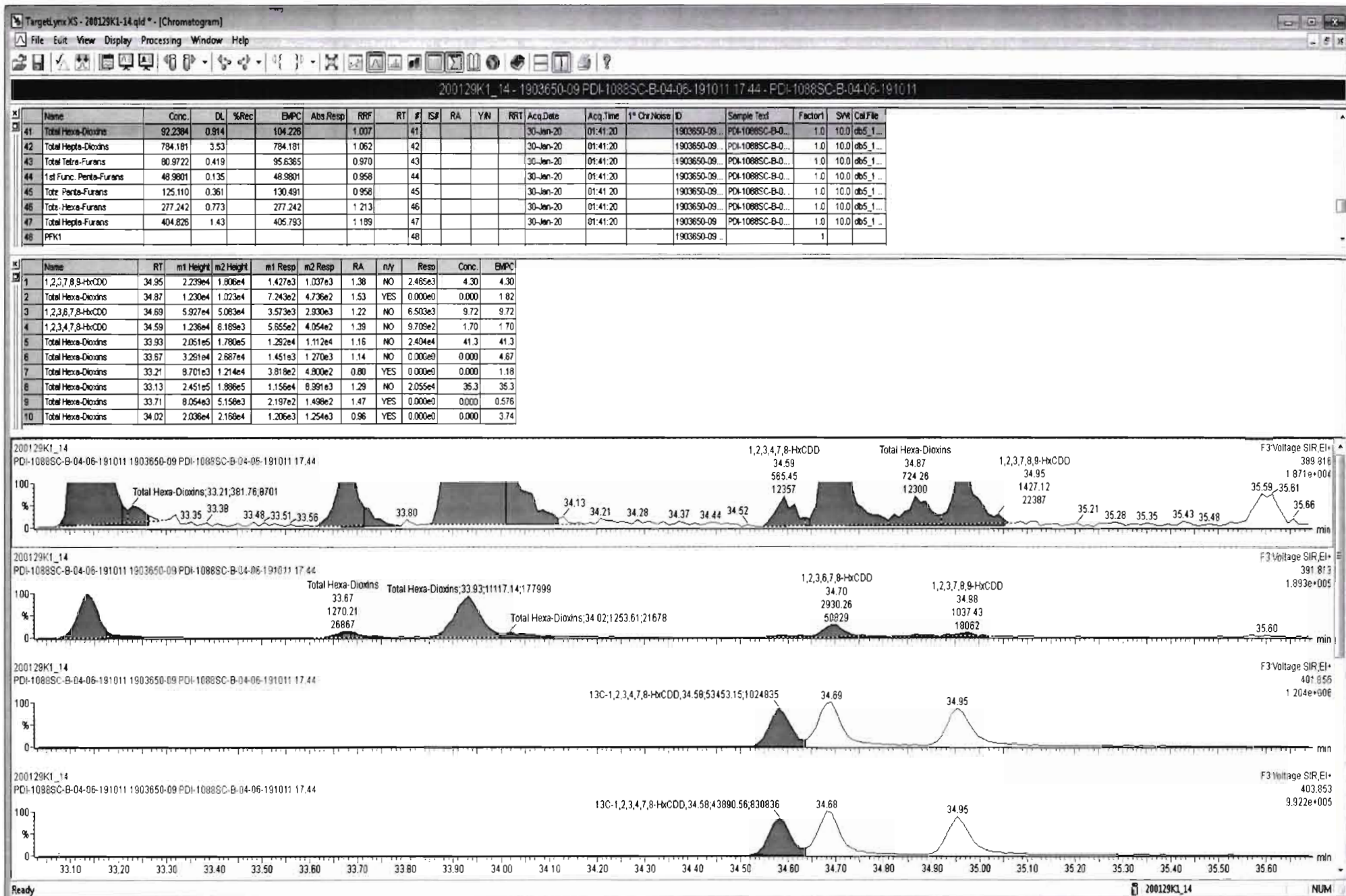
200129K1_14 - 1903650-09 PDI-1088SC-B-04-06-191011 17.44 - PDI-1088SC-B-04-06-191011

Name	Conc.	DL	%Rec	EMPC	Abs Resp	RPF	RT	#	IS#	RA	Y/N	PRT	Acq.Date	Acq.Time	1* Chv/Noise	ID	Sample Text	Factor1	SM#	Cal File
39 Total Tetra-Dioxins	19.6307	0.343		21.0334		0.943		39					30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	abs_1...
40 Total Penta-Dioxins	18.6215	0.349		22.3286		0.897		40					30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	abs_1...
41 Total Hexa-Dioxins	93.8192	0.914		100.839		1.007		41					30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	abs_1...
42 Total Hepta-Dioxins	784.691	3.53		784.691		1.062		42					30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	abs_1...
43 Total Tetra-Furans	79.6963	0.419		94.8023		0.970		43					30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	abs_1...
44 1st Func. Penta-Furans	48.4269	0.135		48.4269		0.958		44					30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	abs_1...
45 Total Penta-Furans	115.525	0.361		128.591		0.958		45					30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	abs_1...
46 Total Hexa-Furans	263.017	0.773		263.691		1.213		46					30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	abs_1...
47 Total Hepta-Furans	363.399	1.43		363.399		1.189		47					30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	abs_1...
48 PFK1								48								1903650-09...		1		

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC
1 Total Penta-Dioxins	31.63	4.746e3	4.596e3	2.163e2	2.084e2	1.04	YES	0.000e0	0.000	0.524
2 Total Penta-Dioxins	31.31	5.755e3	4.328e3	2.820e2	2.783e2	1.01	YES	0.000e0	0.000	0.709
3 1,2,3,7,8-PeCDD	31.25	9.186e3	1.157e4	3.660e2	5.916e2	0.62	NO	9.576e2	1.48	1.48
4 Total Penta-Dioxins	30.46	7.036e3	1.244e4	6.702e2	1.055e3	0.63	NO	1.726e3	2.68	2.68
5 Total Penta-Dioxins	30.26	6.512e3	8.501e3	3.776e2	5.229e2	0.72	NO	9.005e2	1.39	1.39
6 Total Penta-Dioxins	30.16	7.701e3	1.965e4	4.505e2	9.887e2	0.46	YES	0.000e0	0.000	1.80
7 Total Penta-Dioxins	30.00	2.319e4	3.652e4	1.379e3	2.153e3	0.64	NO	3.532e3	5.45	5.45







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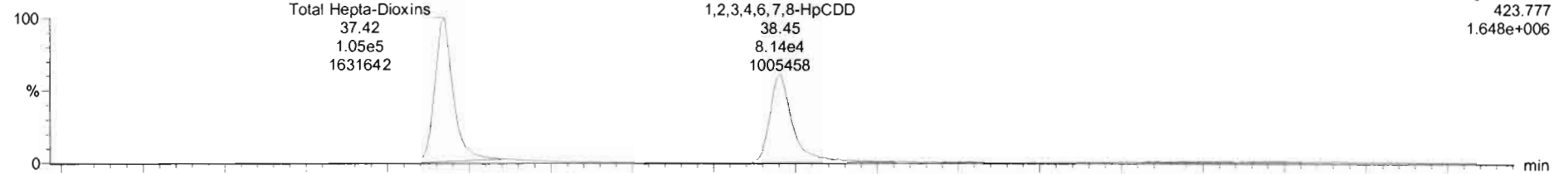
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Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

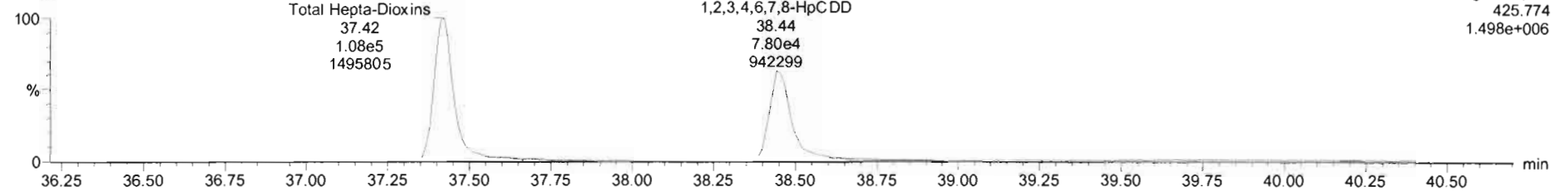
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1,2,3,4,6,7,8-HpCDD

200129K1_14

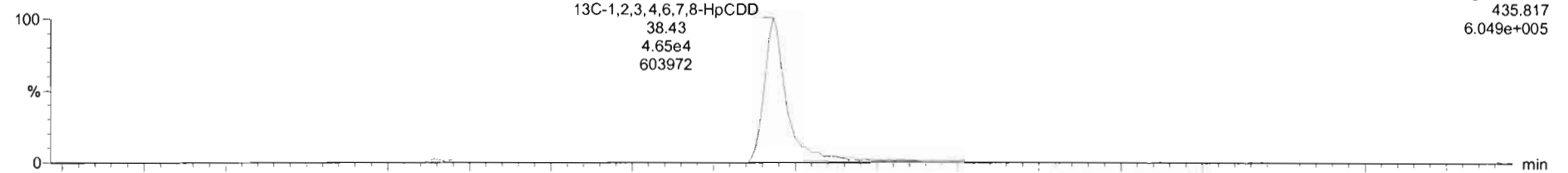


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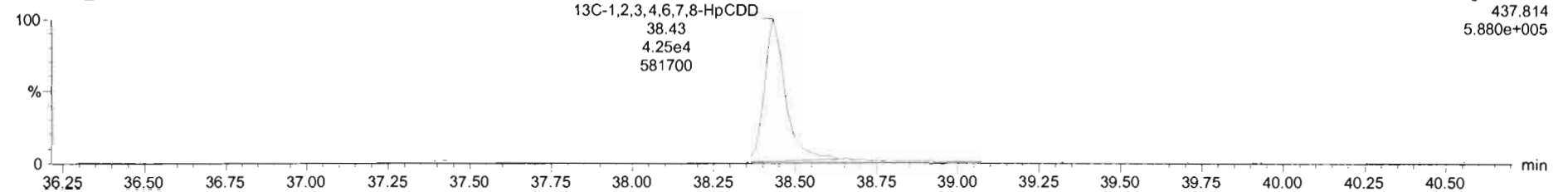


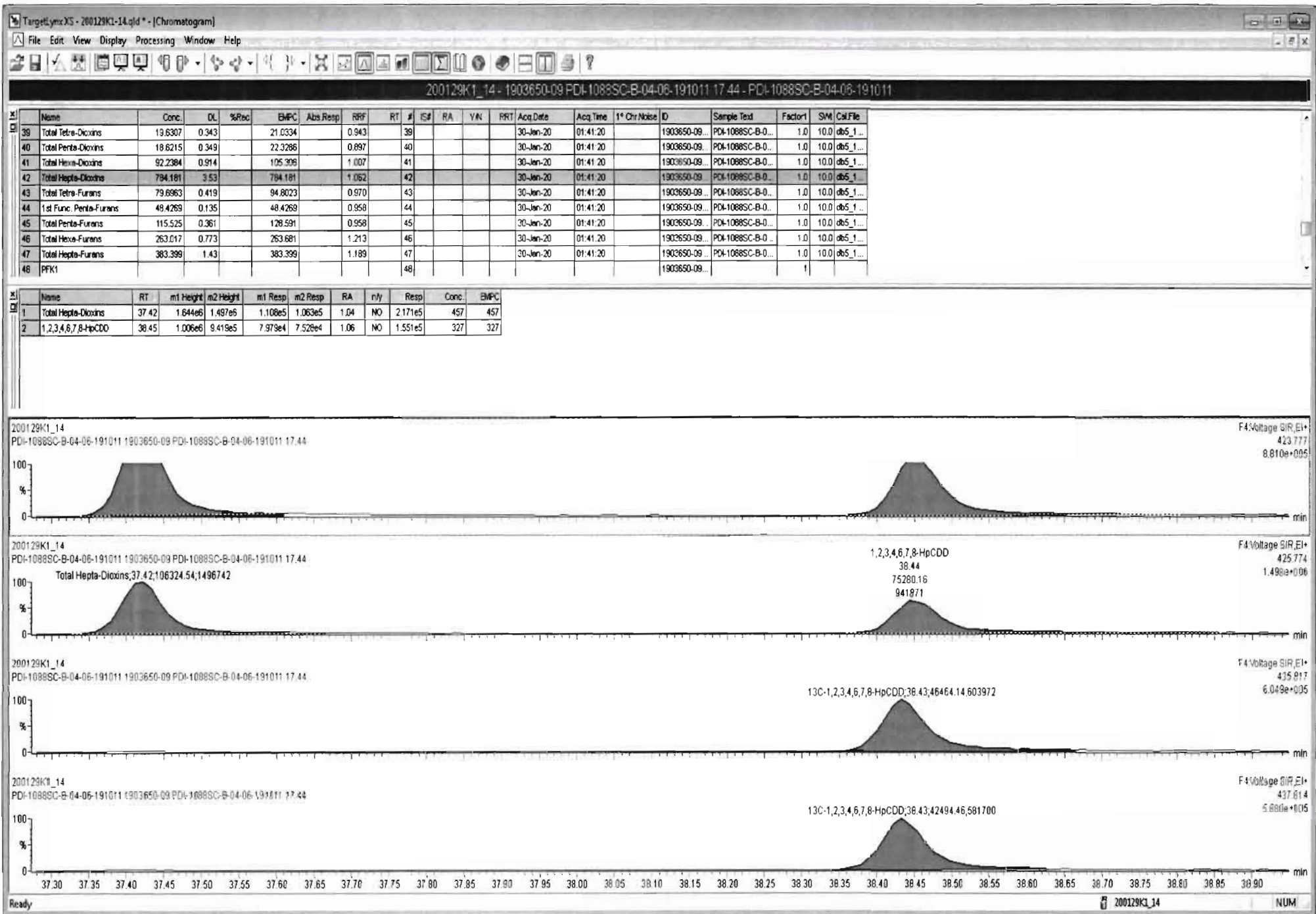
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200129K1_14



200129K1_14



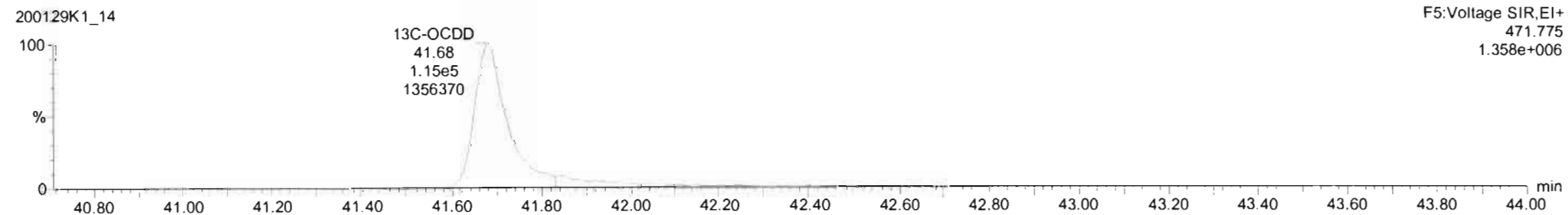
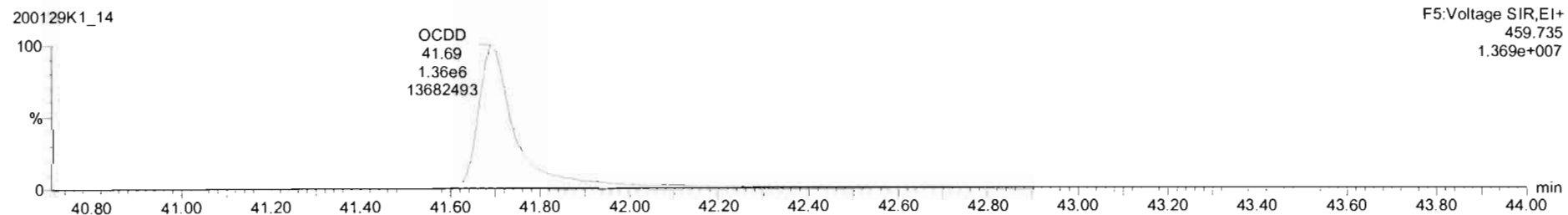
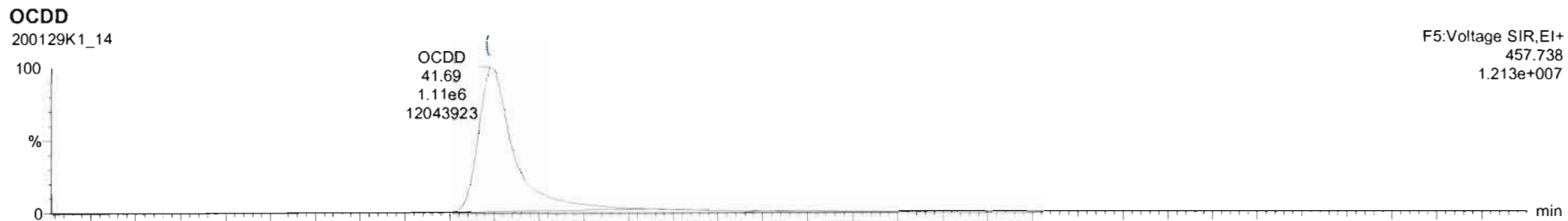


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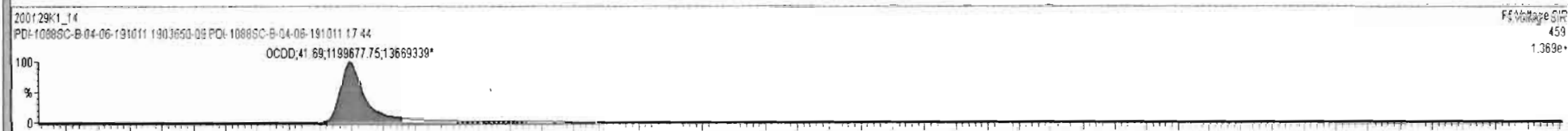
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200129K1_14 - 1903650-09 PDI-1088SC-B-04-06-191011 17.44 - PDI-1088SC-B-04-06-191011

#	Name	Resp	IS Resp	IS#	RA	n/y	RPF	wtVol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1,2,3,7,8-TCDD	9.25e2	2.41e5	18	0.67	NO	10.045	26.09	26.09	1.001	1.001	NO	NO	0.8108	0.343	0.8108	
2	1,2,3,7,8-PeCDD	9.59e2	1.44e5	19	0.62	NO	10.045	31.25	31.25	1.001	1.001	NO	NO	1.477	0.349	1.477	
3	1,2,3,4,7,8-HxCDD	9.71e2	9.73e4	20	1.39	NO	10.045	34.59	34.59	1.000	1.000	NO	NO	1.700	0.817	1.700	
4	1,2,3,6,7,8-HxCDD	6.50e3	1.32e5	21	1.22	NO	10.045	34.69	34.69	1.000	1.000	NO	NO	9.722	0.831	9.722	
5	1,2,3,7,8,9-HxCDD	2.49e3	1.18e5	22	1.38	NO	10.045	34.99	34.95	1.000	1.001	NO	NO	4.304	1.01	4.304	
6	1,2,3,4,6,7,8-HpCDD	1.55e5	8.90e4	23	1.06	NO	10.045	38.44	38.45	1.001	1.000	NO	NO	326.7	3.53	326.7	
7	OCDD	2.47e6	2.16e5	24	0.89	NO	10.045	41.69	41.69	1.000	1.000	NO	NO	4360	5.22	4360	
8	2,3,7,8-TCDF	3.42e4	3.69e5	25	0.79	NO	10.045	25.09	25.10	1.001	1.001	NO	NO	19.17	0.419	19.17	
9	1,2,3,7,8-PeCDF	4.51e4	2.53e5	26	1.63	NO	10.045	29.94	29.94	1.001	1.001	NO	NO	36.98	0.355	36.98	
10	1,2,3,4,7,8-PeCDF	2.77e4	2.29e5	27	1.52	NO	10.045	30.96	30.95	1.001	1.001	NO	NO	24.05	0.349	24.05	

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

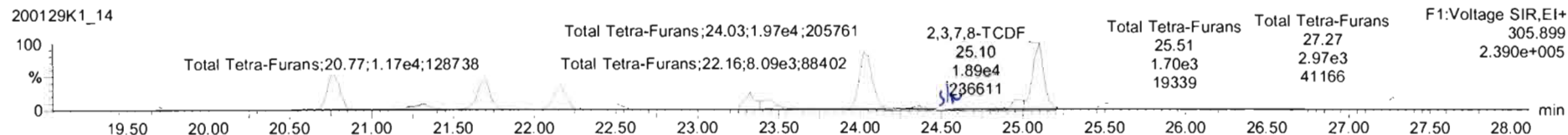
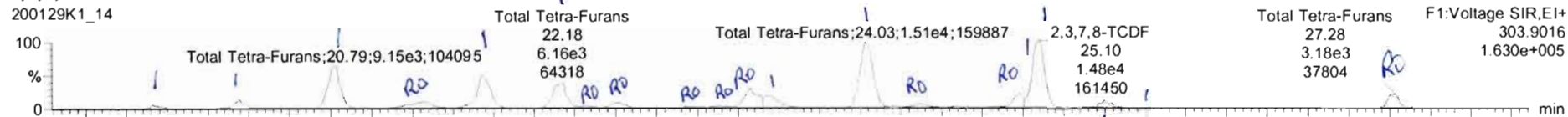


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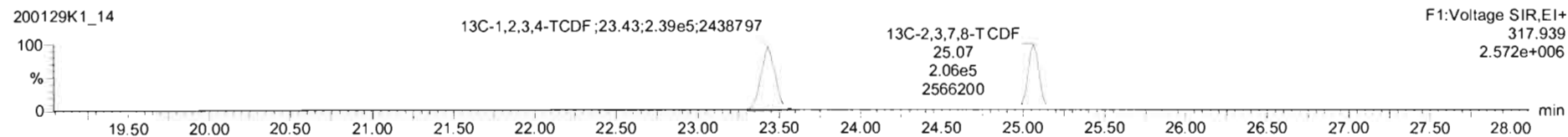
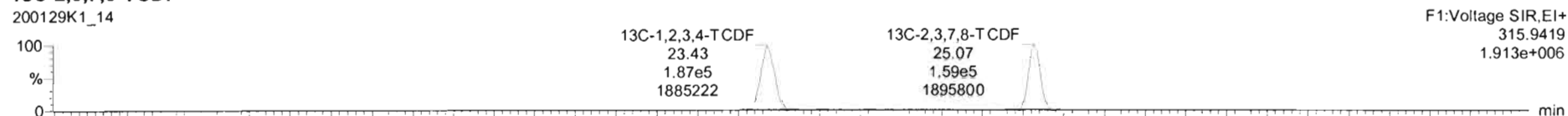
Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time
Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_14, Date: 30-Jan-2020, Time: 01:41:20, ID: 1903650-09 PDI-1088SC-B-04-06-191011 17.44, Description: PDI-1088SC-B-04-06-191011

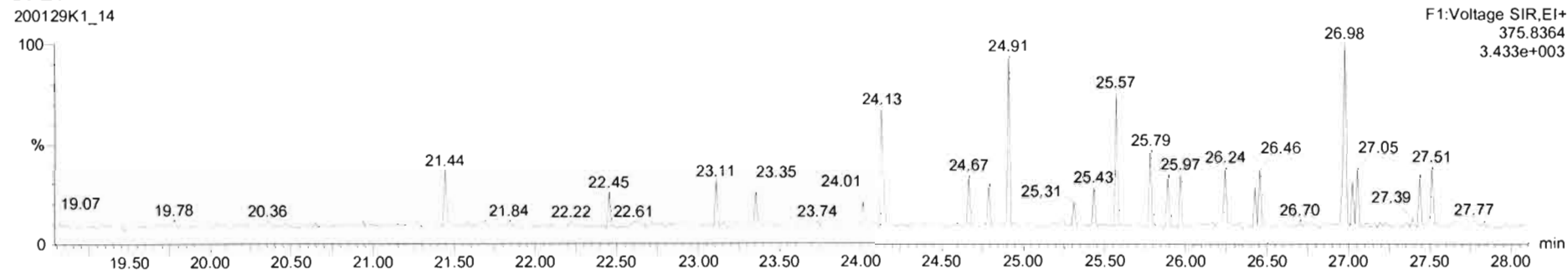
2,3,7,8-TCDF



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



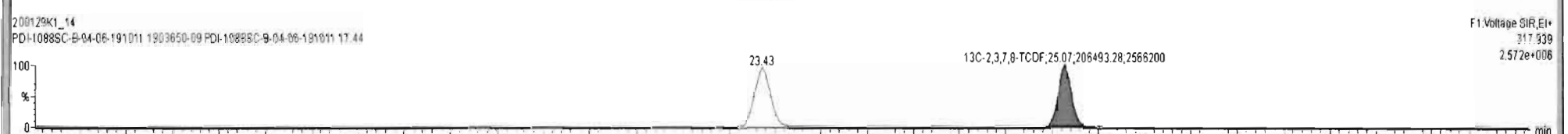
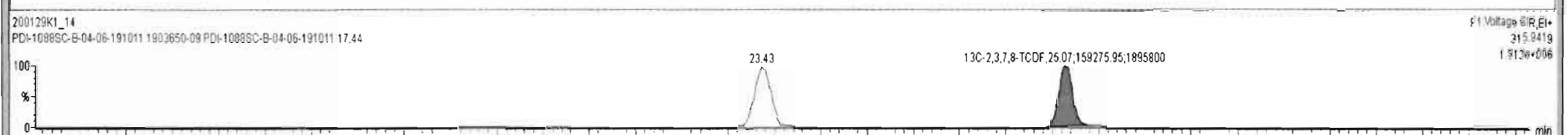
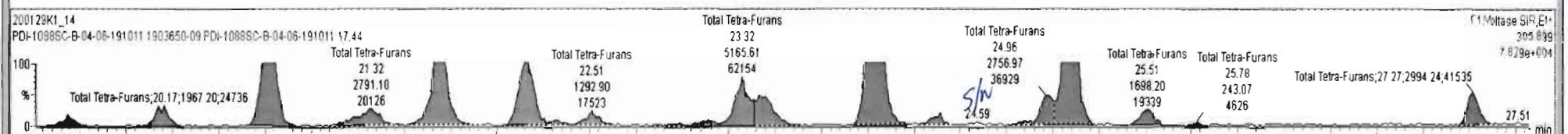
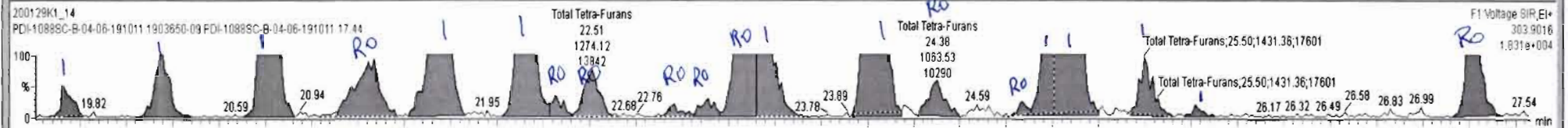
DPE1

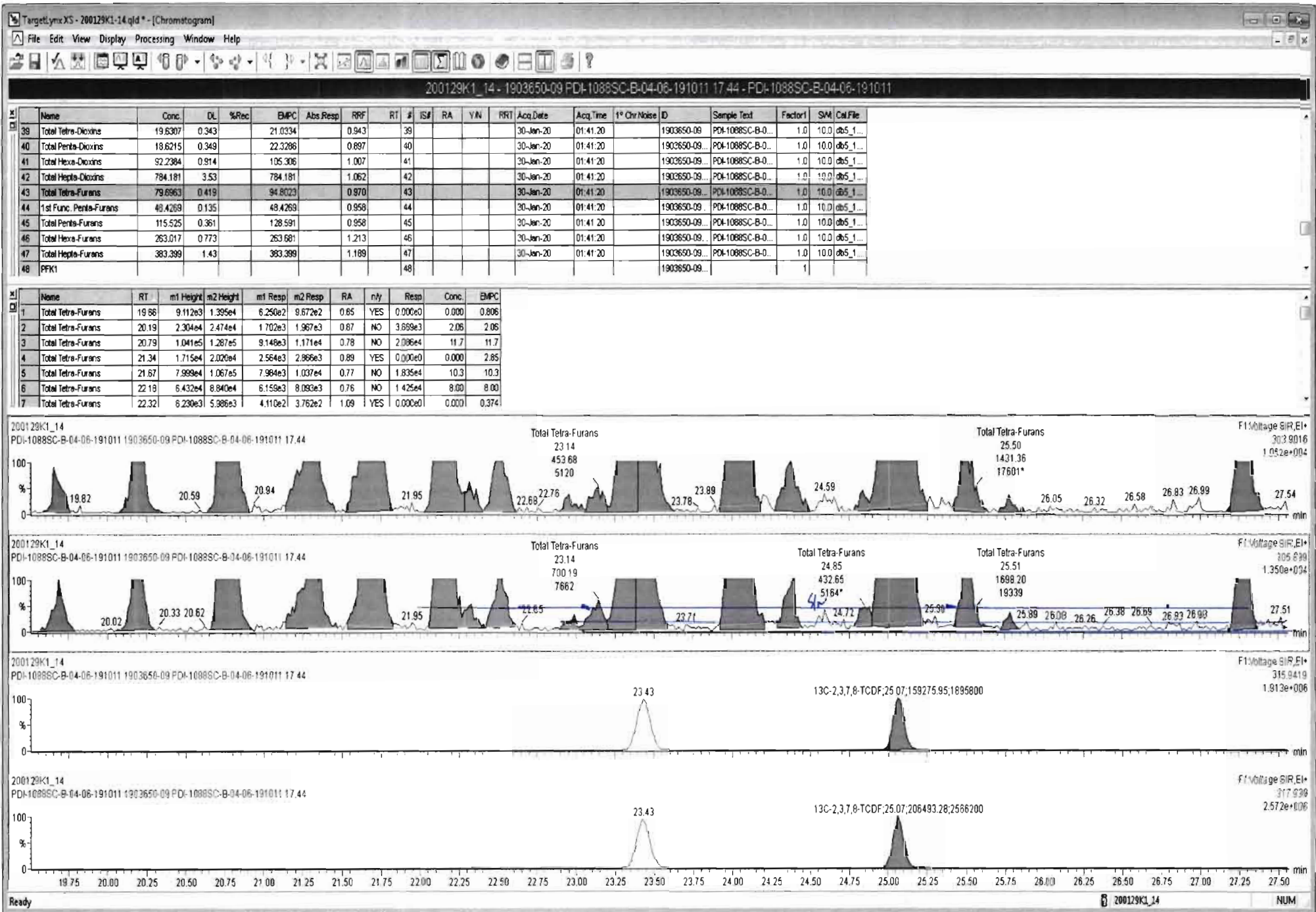


200129K1_14 - 1903650-09 PDI-1088SC-B-04-06-191011 17:44 - PDI-1088SC-B-04-06-191011

#	Name	Conc.	DL	%Rec	EMPC	Abs Resp	RPF	RT	#	IS#	RA	Y/N	RRT	Acq.Date	Acq.Time	1° Chr Noise	ID	Sample Text	Factor1	SM	Cal File
39	Total Tetra-Dioxins	19.6307	0.343		21.0334		0.943	39						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	db5_1...
40	Total Penta-Dioxins	19.6215	0.349		22.3266		0.897	40						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	db5_1...
41	Total Hexa-Dioxins	92.2384	0.914		105.305		1.007	41						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	db5_1...
42	Total Hepta-Dioxins	784.181	3.53		784.181		1.062	42						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	db5_1...
43	Total Tetra-Furans	80.9722	0.419		95.6365		0.970	43						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	db5_1...
44	1st Func. Penta-Furans	48.4269	0.135		48.4269		0.958	44						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	db5_1...
45	Total Penta-Furans	115.525	0.381		128.591		0.958	45						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	db5_1...
46	Total Hexa-Furans	263.017	0.773		263.681		1.213	46						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	db5_1...
47	Total Hepta-Furans	383.399	1.43		383.399		1.189	47						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	db5_1...
48	PFK1							48									1903650-09...		1		

#	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC
1	Total Tetra-Furans	19.66	9.171e3	1.395e4	6.401e2	9.672e2	0.66	NO	1.607e3	0.902	0.902
2	Total Tetra-Furans	20.19	2.304e4	2.474e4	1.702e3	1.967e3	0.87	NO	3.669e3	2.06	2.06
3	Total Tetra-Furans	20.79	1.041e5	1.267e5	9.148e3	1.171e4	0.78	NO	2.096e4	11.7	11.7
4	Total Tetra-Furans	21.34	1.714e4	2.013e4	2.500e3	2.791e3	0.90	YES	0.000e0	0.000	2.77
5	Total Tetra-Furans	21.67	7.998e4	1.073e5	7.964e3	1.046e4	0.76	NO	1.844e4	10.3	10.3
6	Total Tetra-Furans	22.18	6.432e4	8.816e4	6.159e3	8.020e3	0.77	NO	1.418e4	7.96	7.96
7	Total Tetra-Furans	22.32	6.230e3	6.181e3	4.110e2	4.169e2	0.99	YES	0.000e0	0.000	0.414





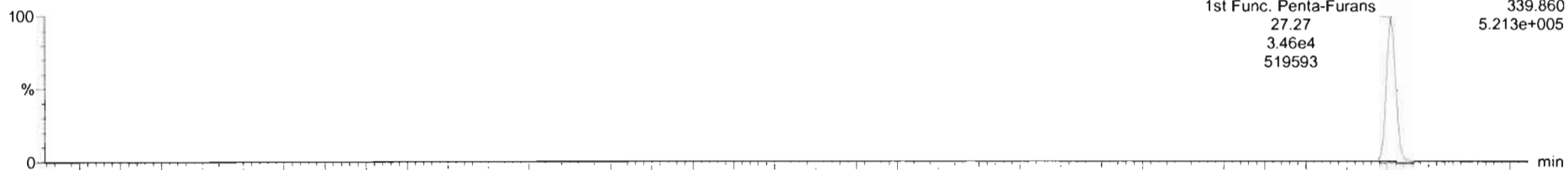
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Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time
Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

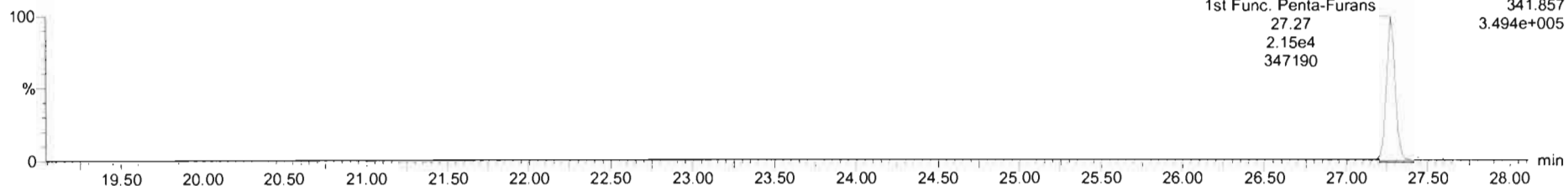
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1st Func. Penta-Furans

200129K1_14

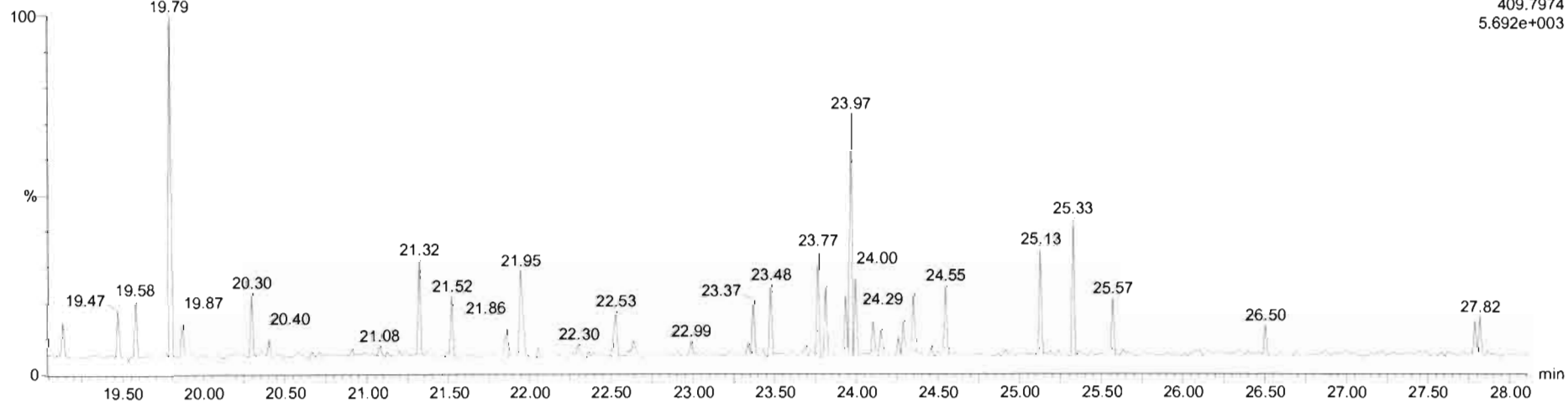


200129K1_14



DPE6

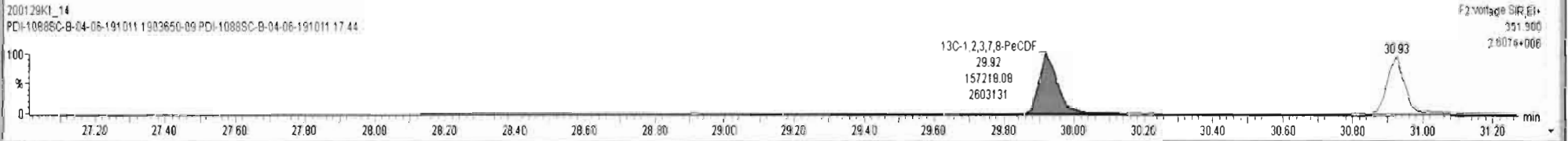
200129K1_14



200129K1_14 - 1903650-09 PDI-1088SC-B-04-06-191011 17.44 - PDI-1088SC-B-04-06-191011

Name	Conc.	DL	%Rec	EWPC	Abs Resp	RFI	RT	#	IS#	RA	YN	RRT	Acq.Date	Acq.Time	1° Chr.Noise	ID	Sample Text	Factor1	SW	Cal File
39 Total Tetra-Dioxins	19.6307	0.343		21.0334		0.943	39						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	obs_1...
40 Total Penta-Dioxins	18.6215	0.349		22.3288		0.897	40						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	obs_1...
41 Total Hexa-Dioxins	92.2384	0.914		105.306		1.007	41						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	obs_1...
42 Total Hepta-Dioxins	784.181	3.53		784.181		1.052	42						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	obs_1...
43 Total Tetra-Furans	80.9722	0.419		95.6385		0.970	43						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	obs_1...
44 1st Func. Penta-Furans	48.9801	0.135		48.9801		0.958	44						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	obs_1...
45 Total Penta-Furans	115.525	0.361		128.591		0.958	45						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	obs_1...
46 Total Hexa-Furans	263.017	0.773		263.681		1.213	46						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	obs_1...
47 Total Hepta-Furans	383.399	1.43		383.399		1.189	47						30-Jan-20	01:41:20		1903650-09...	PDI-1088SC-B-0...	1.0	10.0	obs_1...
48 PFK1							48									1903650-09...		1		

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EWPC
1 1st Func. Penta-Furans	27.27	5.205e5	3.484e5	3.487e4	2.181e4	1.60	NO	5.668e4	49.0	49.0

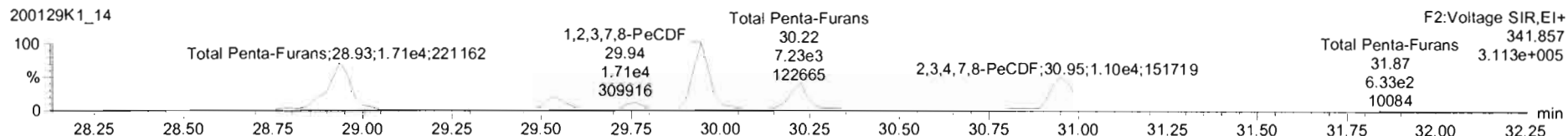
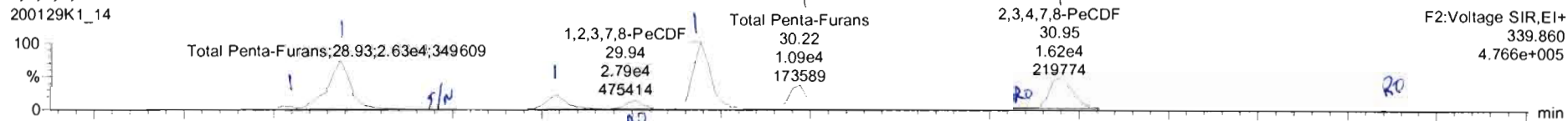


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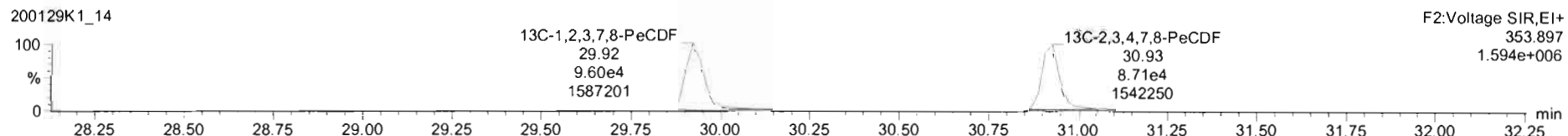
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Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_14, Date: 30-Jan-2020, Time: 01:41:20, ID: 1903650-09 PDI-1088SC-B-04-06-191011 17.44, Description: PDI-1088SC-B-04-06-191011

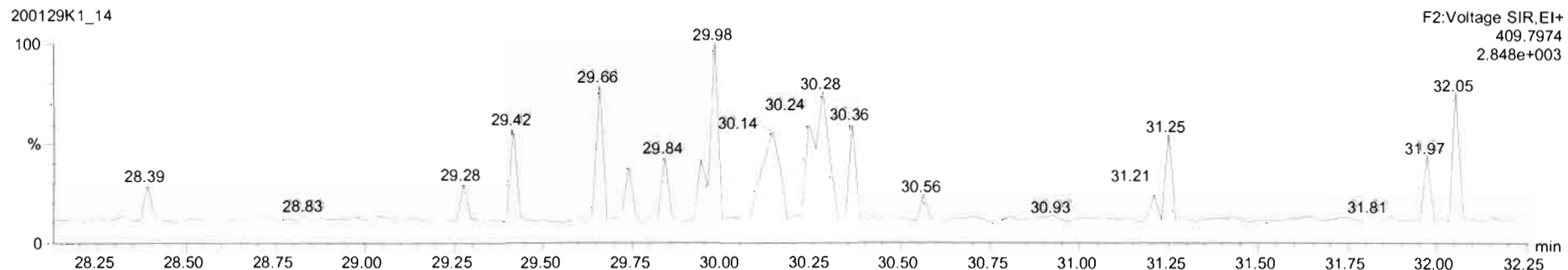
1,2,3,7,8-PeCDF



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



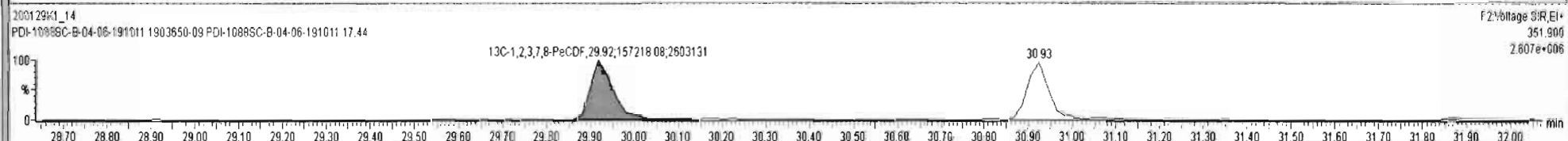
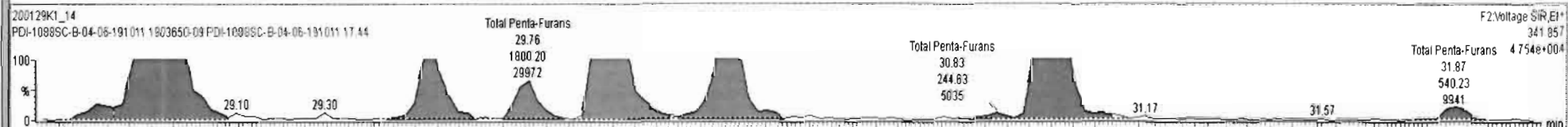
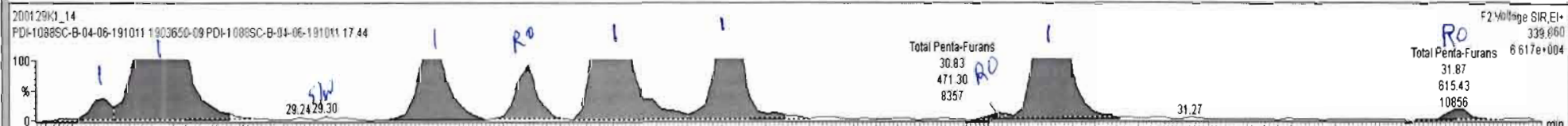
DPE2

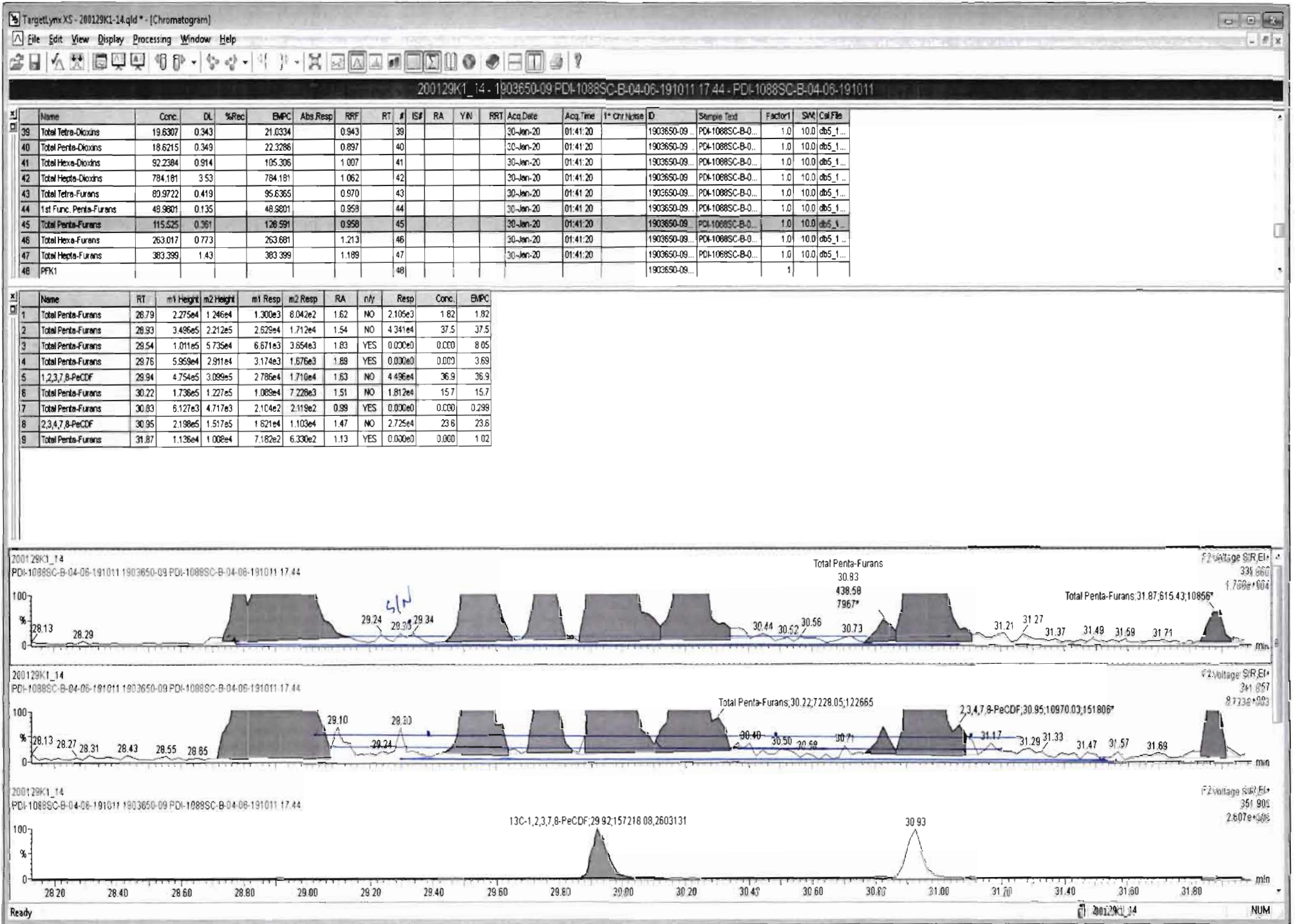


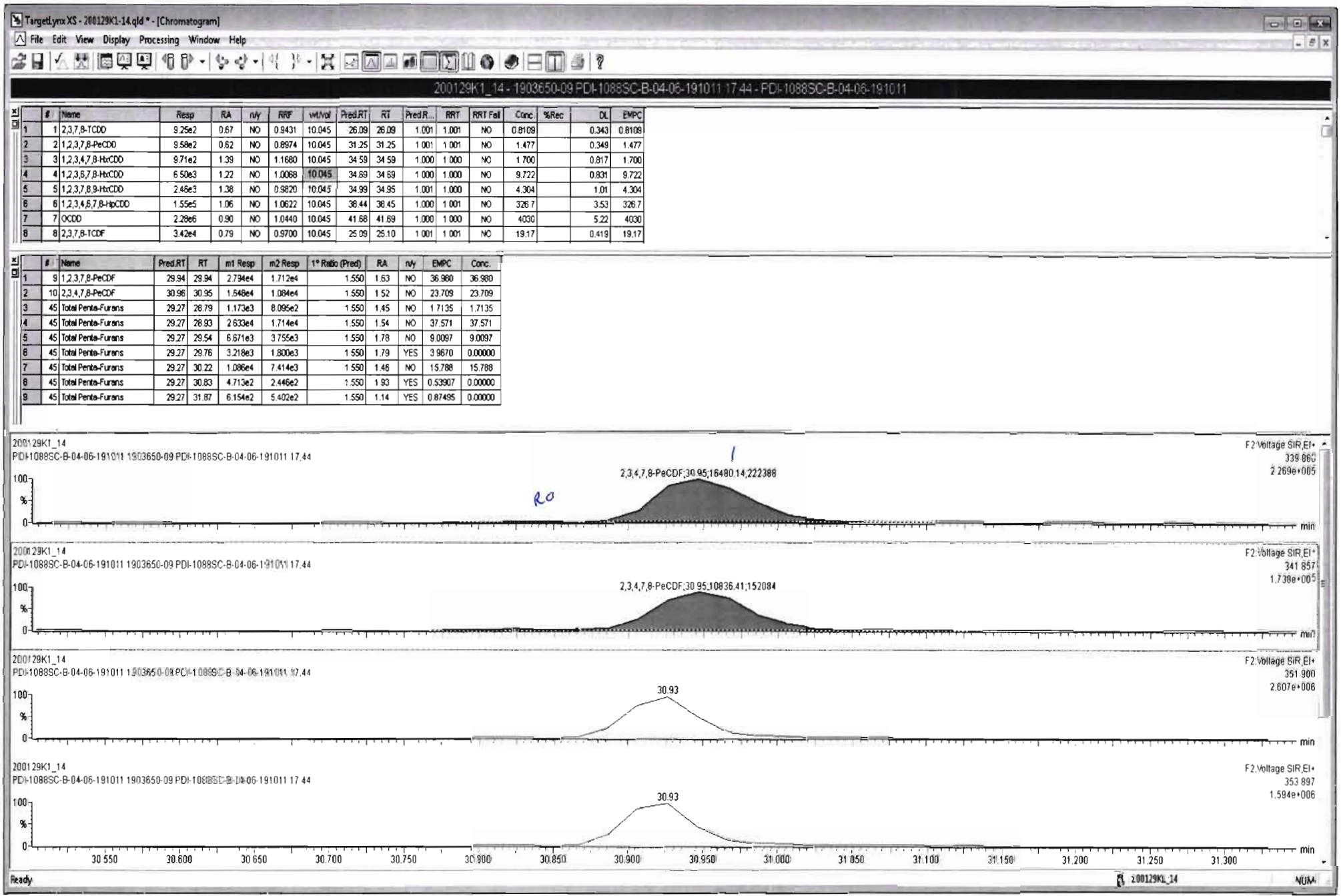
200129K1_14 - 1903650-09 PDI-1088SC-B-04-06-191011 17:44 - PDI-1088SC-B-04-06-191011

Name	Conc.	DL	%Rec	EMPC	Abs Resp	RFF	RT	#	IS#	RA	Y/N	PRT	Acq.Date	Acq.Time	1° Chr.Noise	ID	Sample Text	Factor1	SM	Cal File
39 Total Tetra-Dioxins	19.6307	0.343		21.0334		0.943	39						30-Jan-20	01:41:20		1903650-09	PDI-1088SC-B-0...	1.0	10.0	db5_1...
40 Total Penta-Dioxins	18.6215	0.349		22.3286		0.897	40						30-Jan-20	01:41:20		1903650-09	PDI-1088SC-B-0...	1.0	10.0	db5_1...
41 Total Hexa-Dioxins	92.2384	0.914		105.306		1.007	41						30-Jan-20	01:41:20		1903650-09	PDI-1088SC-B-0...	1.0	10.0	db5_1...
42 Total Hepta-Dioxins	784.181	3.53		784.181		1.062	42						30-Jan-20	01:41:20		1903650-09	PDI-1088SC-B-0...	1.0	10.0	db5_1...
43 Total Tetra-Furans	80.9722	0.419		95.6365		0.970	43						30-Jan-20	01:41:20		1903650-09	PDI-1088SC-B-0...	1.0	10.0	db5_1...
44 1st Func. Penta-Furans	48.9801	0.135		48.9801		0.958	44						30-Jan-20	01:41:20		1903650-09	PDI-1088SC-B-0...	1.0	10.0	db5_1...
45 Total Penta-Furans	119.100	0.361		130.491		0.958	45						30-Jan-20	01:41:20		1903650-09	PDI-1088SC-B-0...	1.0	10.0	db5_1...
46 Total Hexa-Furans	263.017	0.773		263.681		1.213	46						30-Jan-20	01:41:20		1903650-09	PDI-1088SC-B-0...	1.0	10.0	db5_1...
47 Total Hepta-Furans	363.399	1.43		363.399		1.189	47						30-Jan-20	01:41:20		1903650-09	PDI-1088SC-B-0...	1.0	10.0	db5_1...
48 PFK1							48									1903650-09		1		

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp.	Conc.	EMPC
1 Total Penta-Furans	28.79	2.258e4	1.252e4	1.173e3	8.095e2	1.45	NO	1.983e3	1.71	1.71
2 Total Penta-Furans	28.93	3.501e5	2.212e5	2.633e4	1.714e4	1.54	NO	4.348e4	37.6	37.6
3 Total Penta-Furans	29.54	1.011e5	5.798e4	6.571e3	3.755e3	1.78	NO	0.000e0	0.000	9.01
4 Total Penta-Furans	29.76	5.986e4	2.997e4	3.218e3	1.800e3	1.79	YES	0.000e0	0.000	3.97
5 1,2,3,7,8-PeCDF	29.94	4.756e5	3.104e5	2.794e4	1.712e4	1.63	NO	4.507e4	37.0	37.0
6 Total Penta-Furans	30.22	1.742e5	1.234e5	1.086e4	7.414e3	1.46	NO	1.827e4	15.9	15.8
7 Total Penta-Furans	30.83	8.357e3	5.035e3	4.713e2	2.446e2	1.93	YES	0.000e0	0.000	0.539
8 2,3,4,7,8-PeCDF	30.95	2.220e5	1.519e5	1.671e4	1.099e4	1.52	NO	2.771e4	24.0	24.0
9 Total Penta-Furans	31.87	1.086e4	9.941e3	6.154e2	5.402e2	1.14	YES	0.000e0	0.000	0.875







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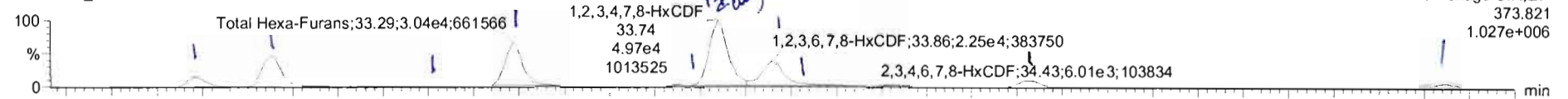
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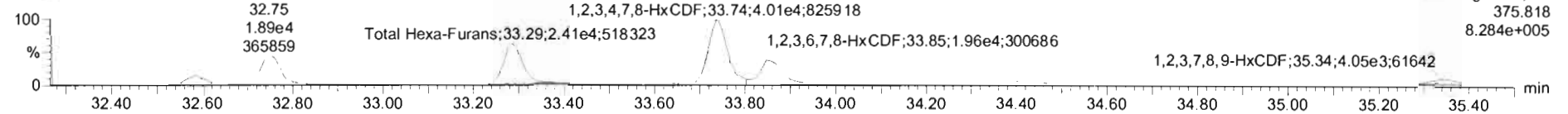
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1,2,3,4,7,8-HxCDF

200129K1_14

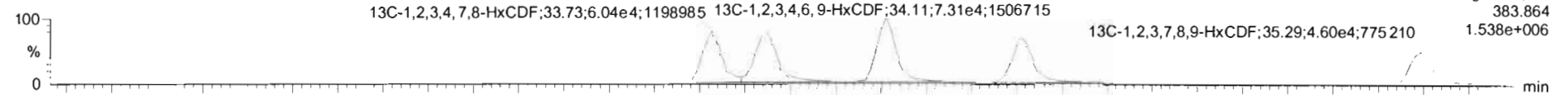


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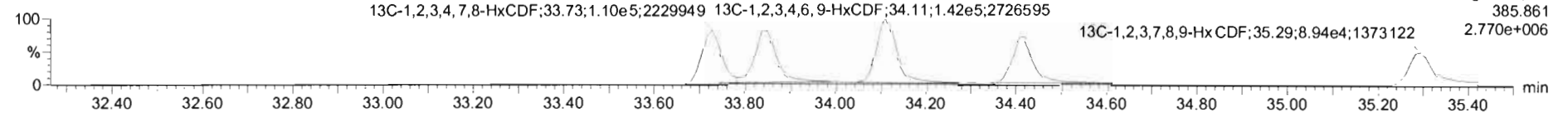


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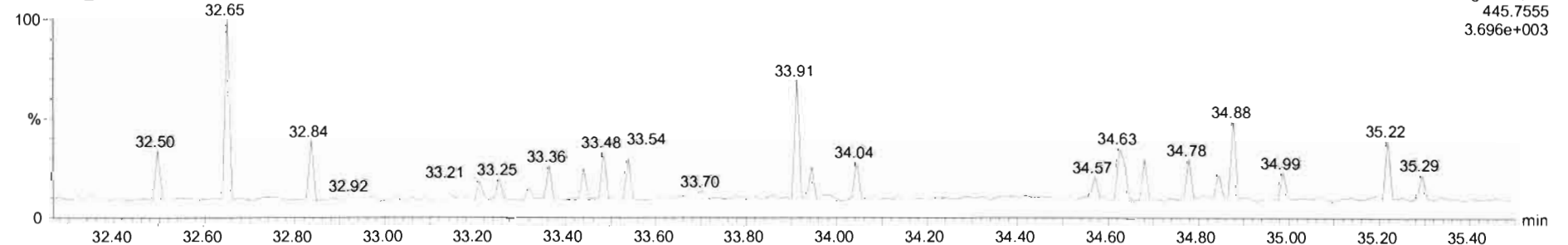


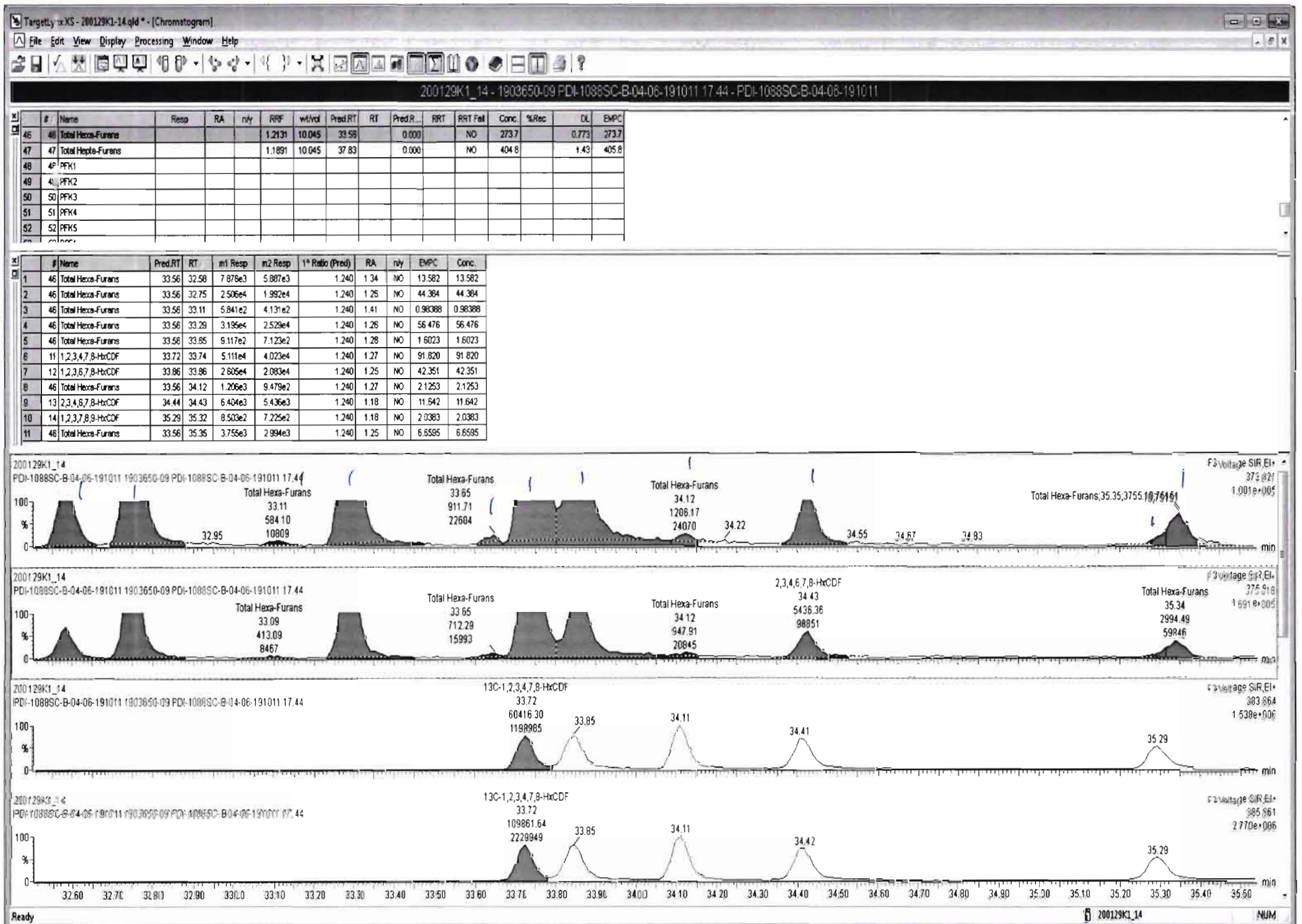
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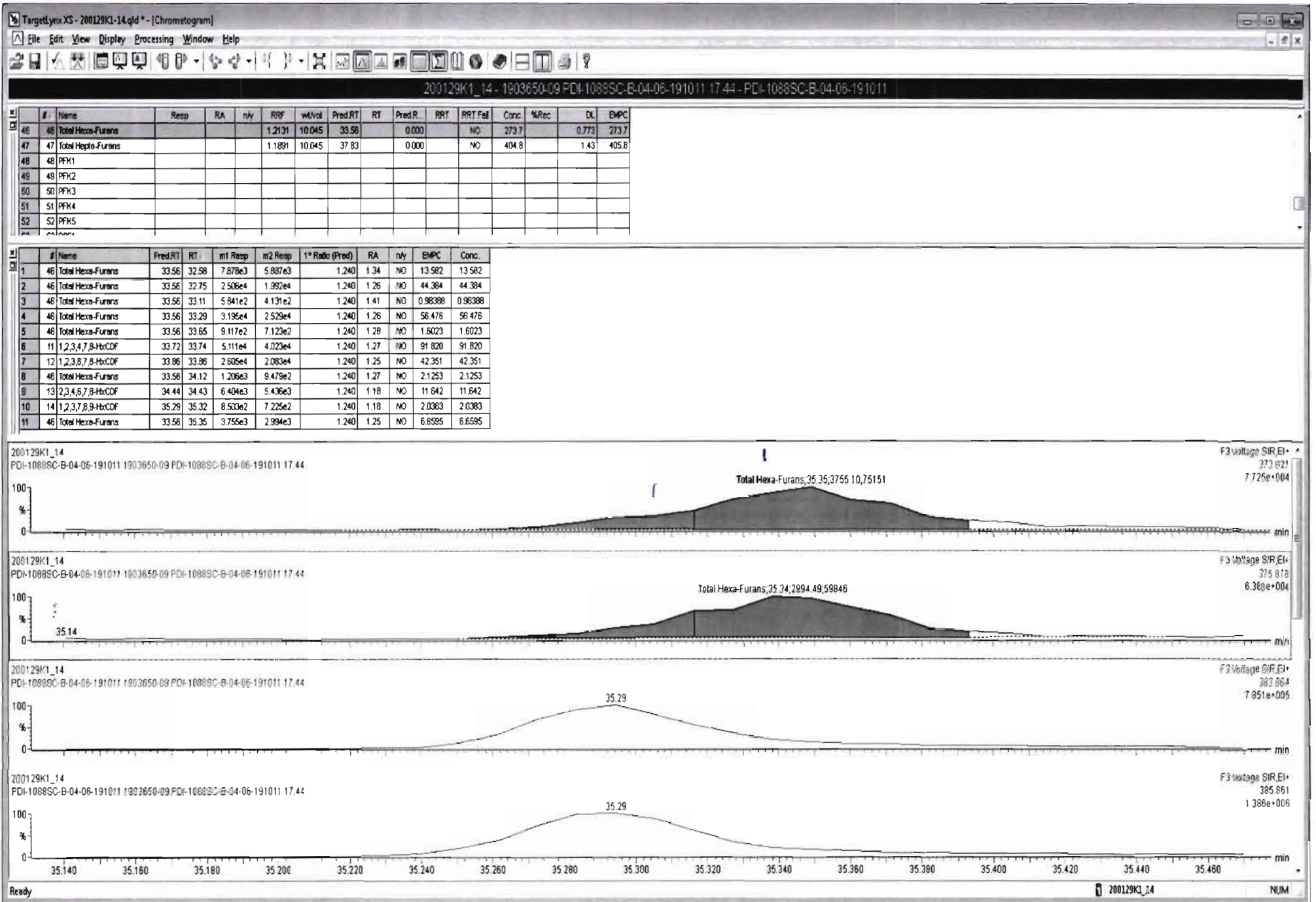


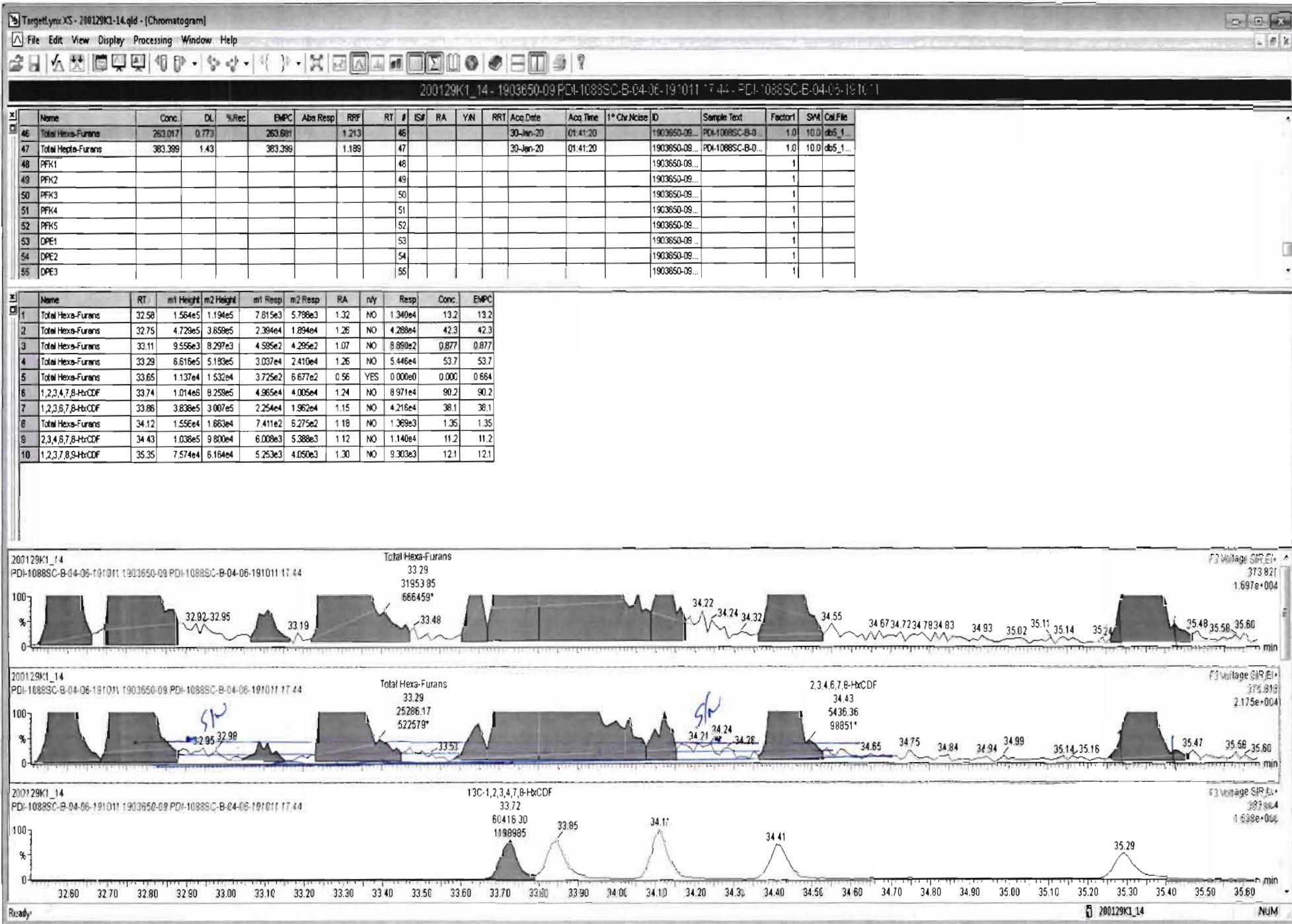
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200129K1_14







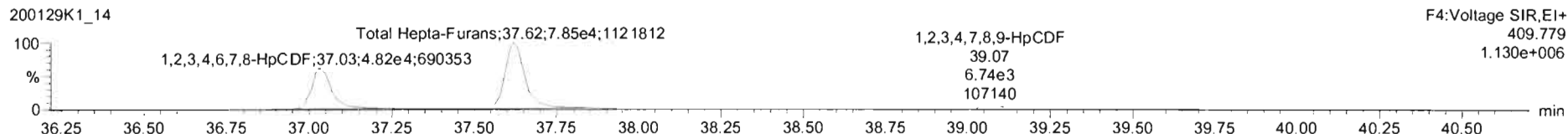
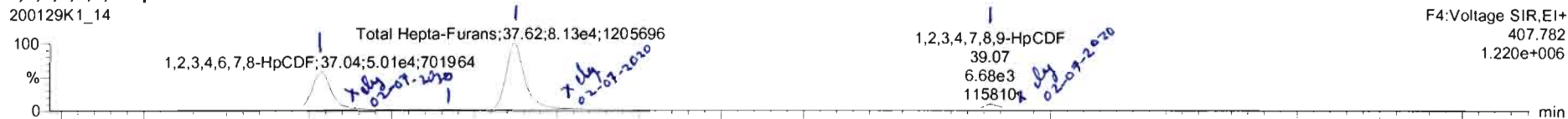


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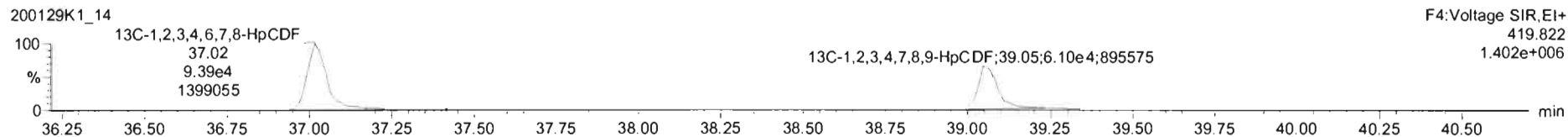
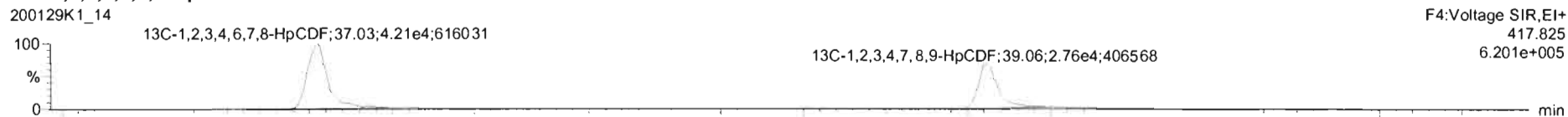
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Name: 200129K1_14, Date: 30-Jan-2020, Time: 01:41:20, ID: 1903650-09 PDI-1088SC-B-04-06-191011 17.44, Description: PDI-1088SC-B-04-06-191011

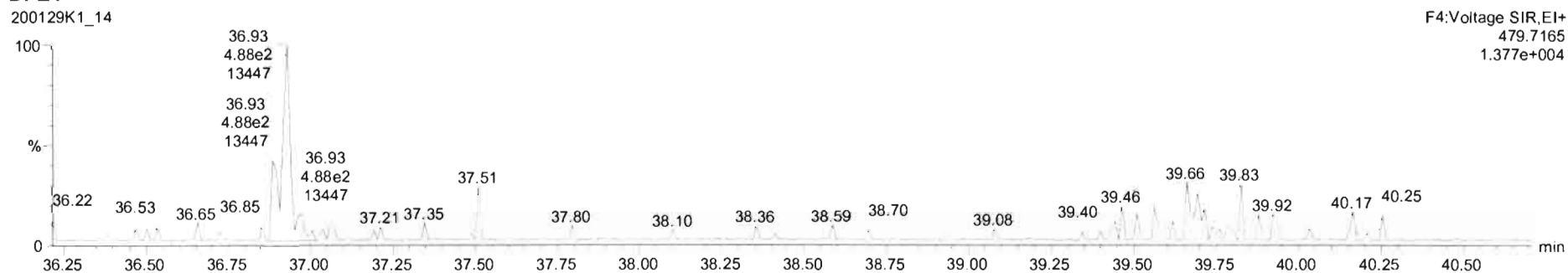
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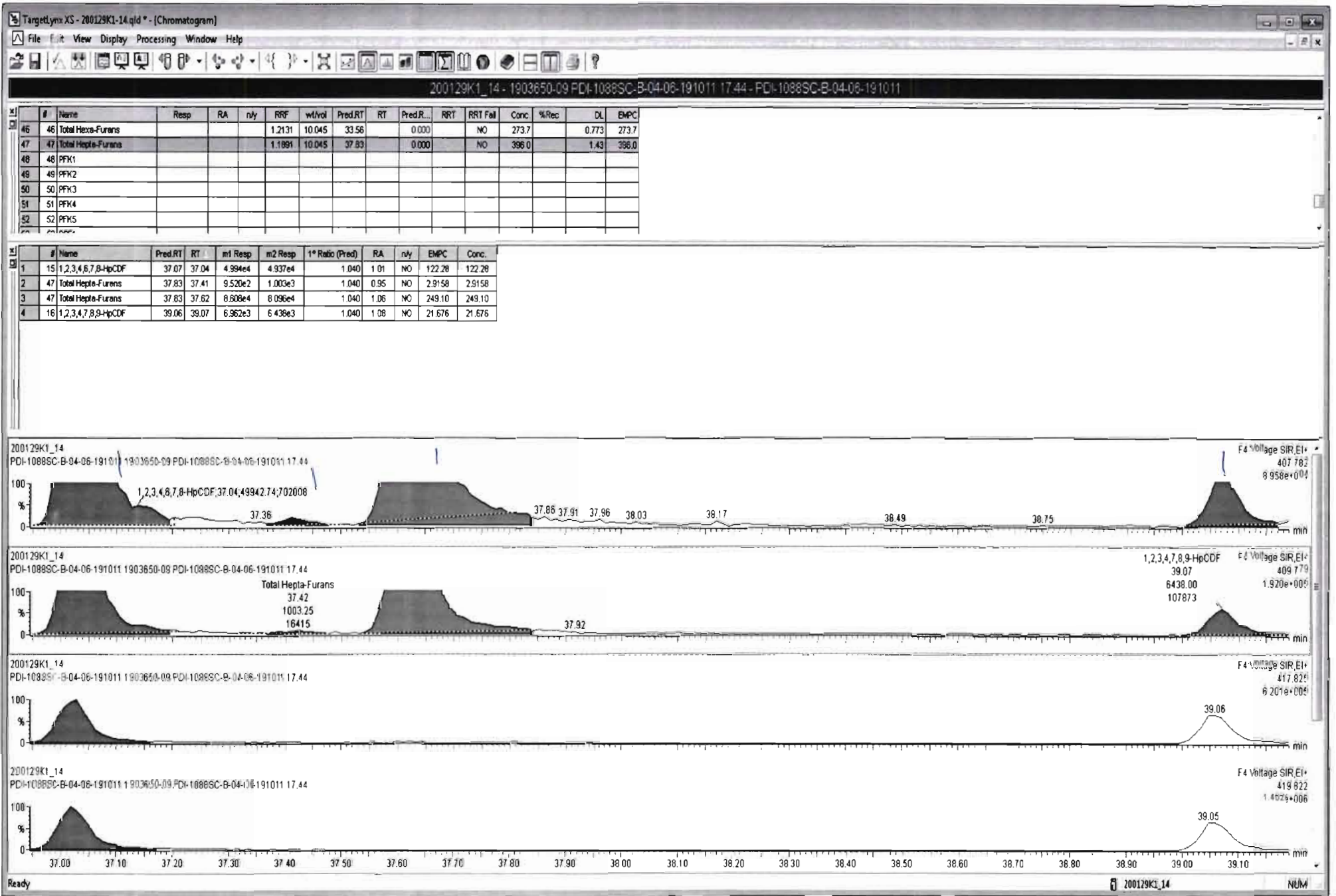


13C-1,2,3,4,6,7,8-HpCDF



DPE4



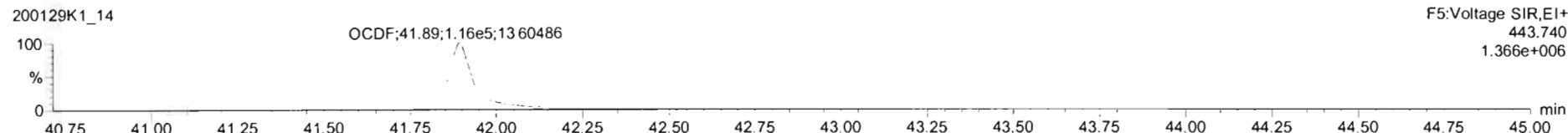
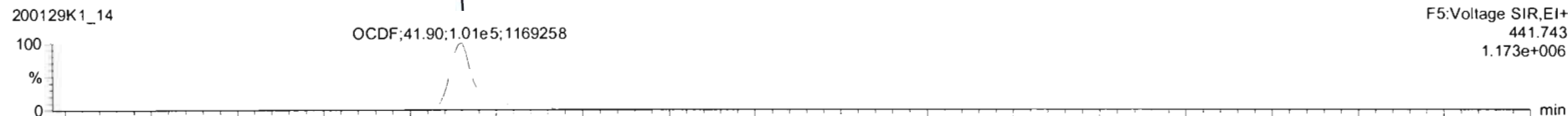


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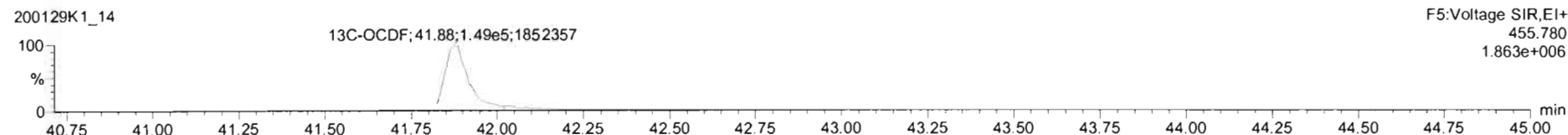
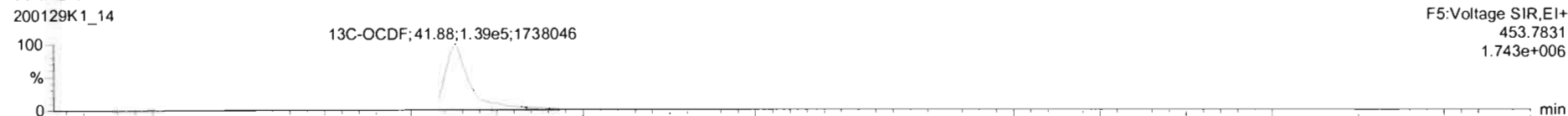
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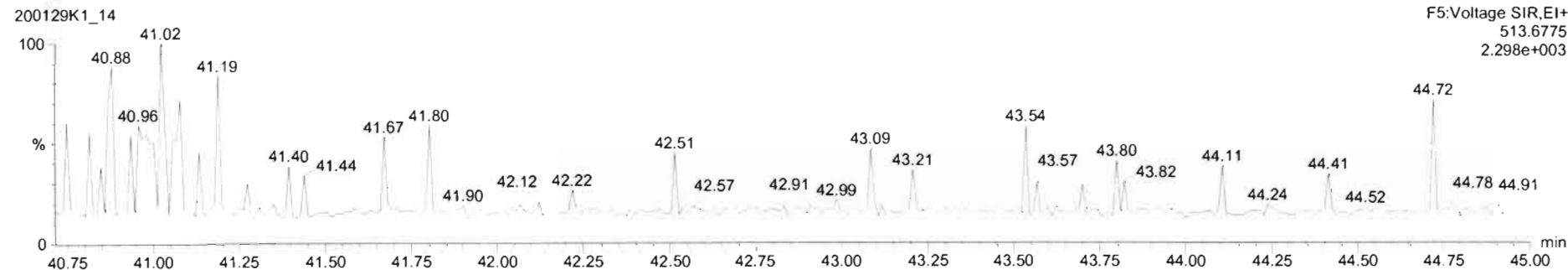
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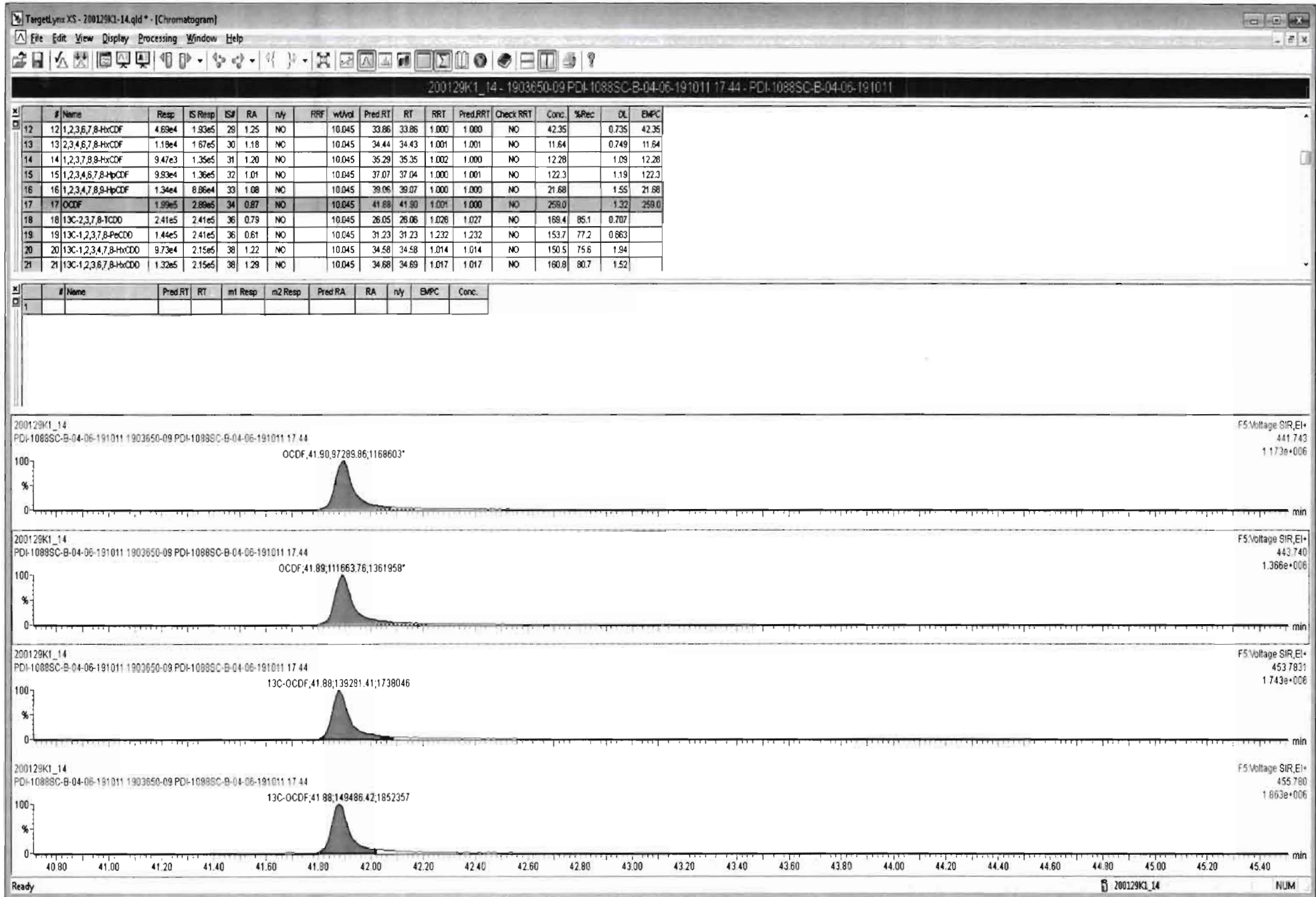


13C-OCDF



DPE5



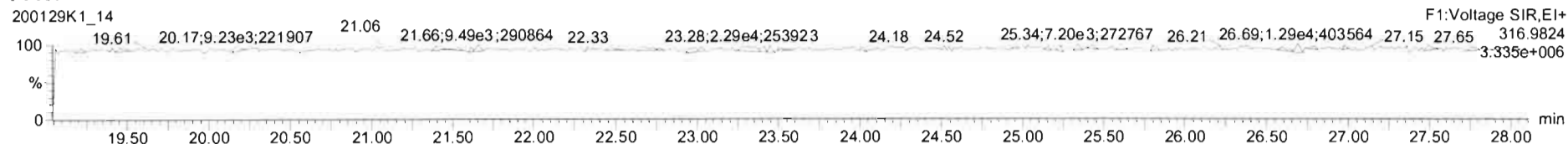


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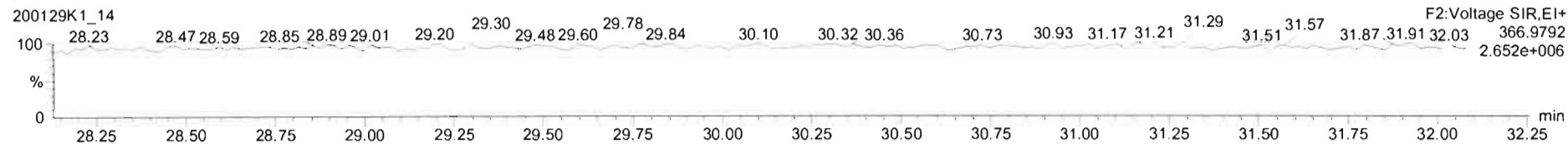
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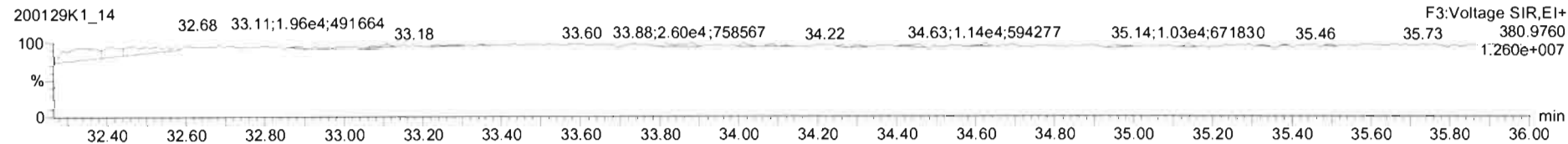
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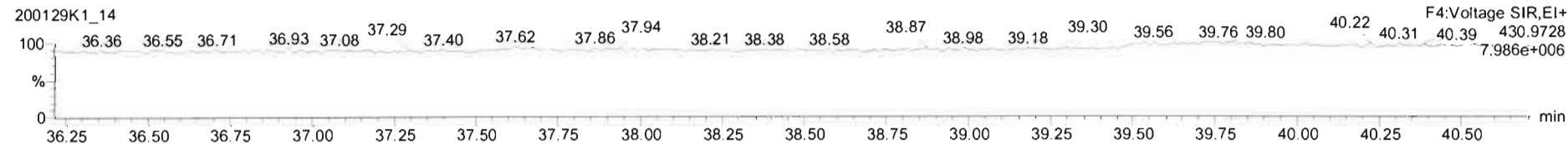
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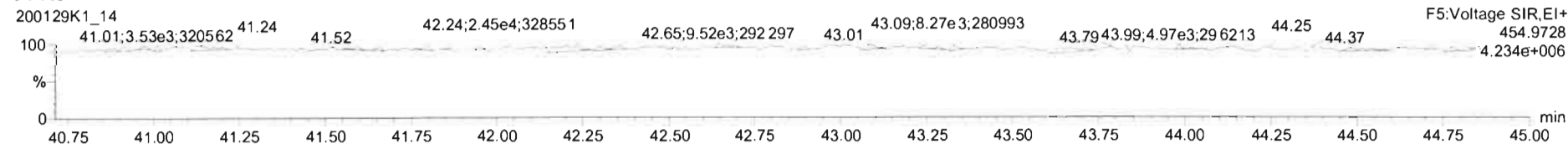
PFK3



PFK4



PFK5



Dataset: U:\VG11.PRO\Results\200129K1\200129K1-15.qld

Last Altered: Tuesday, February 11, 2020 10:56:31 Pacific Standard Time
Printed: Tuesday, February 11, 2020 11:04:30 Pacific Standard Time

HN 02/11/2020

C7 02/11/2020

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19
Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_15, Date: 30-Jan-2020, Time: 02:29:25, ID: 1903650-10 PDI-092SC-B-00-02-191011 19.64, Description: PDI-092SC-B-00-02-191011

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	1718.377	0.775	NO	0.943	10.030	26.08	26.09	1.00	1.00	NO	0.7654		0.173	0.7654
2	2 1,2,3,7,8-PeCDD	1542.132	0.571	NO	0.897	10.030	31.25	31.25	1.00	1.00	NO	1.071		0.208	1.071
3	3 1,2,3,4,7,8-HxCDD	919.627	1.154	NO	1.17	10.030	34.59	34.58	1.00	1.00	NO	0.7402		0.574	0.7402
4	4 1,2,3,6,7,8-HxCDD	9248.532	1.173	NO	1.01	10.030	34.68	34.69	1.00	1.00	NO	7.064		0.606	7.064
5	5 1,2,3,7,8,9-HxCDD	2875.780	1.490	YES	0.982	10.030	34.99	34.97	1.00	1.00	NO	2.794		0.783	2.513
6	6 1,2,3,4,6,7,8-HpCDD	405330.110	1.047	NO	1.06	10.030	38.44	38.46	1.00	1.00	NO	436.5		2.26	436.5
7	7 OCDD	2615797.7...	0.876	NO	1.04	10.030	41.68	41.69	1.00	1.00	NO	3440		3.63	3440
8	8 2,3,7,8-TCDF	49628.808	0.783	NO	0.970	10.030	25.09	25.08	1.00	1.00	NO	14.95	(13.7)	0.304	14.95
9	9 1,2,3,7,8-PeCDF	46736.761	1.615	NO	0.958	10.030	29.94	29.94	1.00	1.00	NO	18.99		0.278	18.99
10	10 2,3,4,7,8-PeCDF	46097.387	1.506	NO	1.01	10.030	30.94	30.95	1.00	1.00	NO	18.28		0.265	18.28
11	11 1,2,3,4,7,8-HxCDF	58733.881	1.242	NO	1.16	10.030	33.72	33.74	1.00	1.00	NO	25.46		0.364	25.46
12	12 1,2,3,6,7,8-HxCDF	22870.583	1.260	NO	1.14	10.030	33.85	33.86	1.00	1.00	NO	9.798		0.352	9.798
13	13 2,3,4,6,7,8-HxCDF	14137.143	1.324	NO	1.21	10.030	34.44	34.42	1.00	1.00	NO	6.740		0.403	6.740
14	14 1,2,3,7,8,9-HxCDF	7697.716	1.258	NO	1.13	10.030	35.28	35.34	1.00	1.00	NO	5.051		0.618	5.051
15	15 1,2,3,4,6,7,8-HpCDF	115810.574	1.045	NO	1.19	10.030	37.05	37.03	1.00	1.00	NO	75.59		0.679	75.59
16	16 1,2,3,4,7,8,9-HpCDF	6295.901	0.962	NO	1.39	10.030	39.06	39.07	1.00	1.00	NO	5.927		0.986	5.927
17	17 OCDF	111815.800	0.873	NO	1.06	10.030	41.86	41.88	1.00	1.00	NO	113.1		0.671	113.1
18	18 13C-2,3,7,8-TCDD	474686.032	0.768	NO	1.17	10.030	26.05	26.05	1.03	1.03	NO	141.8	71.1	0.331	
19	19 13C-1,2,3,7,8-PeCDD	320048.047	0.629	NO	0.773	10.030	31.23	31.23	1.23	1.23	NO	145.1	72.8	0.343	
20	20 13C-1,2,3,4,7,8-HxCDD	212105.953	1.257	NO	0.600	10.030	34.58	34.58	1.01	1.01	NO	117.7	59.0	0.799	
21	21 13C-1,2,3,6,7,8-HxCDD	259293.656	1.326	NO	0.763	10.030	34.68	34.68	1.02	1.02	NO	113.1	56.7	0.628	
22	22 13C-1,2,3,7,8,9-HxCDD	209011.250	1.246	NO	0.676	10.030	34.95	34.95	1.02	1.02	NO	103.0	51.6	0.709	
23	23 13C-1,2,3,4,6,7,8-HpCDD	174320.195	1.043	NO	0.455	10.030	38.44	38.43	1.13	1.13	NO	127.6	64.0	0.837	
24	24 13C-OCDD	290486.469	0.906	NO	0.371	10.030	41.67	41.68	1.22	1.22	NO	260.5	65.3	1.26	
25	25 13C-2,3,7,8-TCDF	682285.969	0.792	NO	1.07	10.030	25.07	25.07	0.99	0.99	NO	125.0	62.7	0.370	
26	26 13C-1,2,3,7,8-PeCDF	512181.578	1.571	NO	0.765	10.030	29.92	29.92	1.18	1.18	NO	131.2	65.8	0.757	
27	27 13C-2,3,4,7,8-PeCDF	499190.797	1.635	NO	0.726	10.030	30.93	30.91	1.22	1.22	NO	134.7	67.6	0.798	
28	28 13C-1,2,3,4,7,8-HxCDF	395408.094	0.521	NO	0.965	10.030	33.72	33.72	0.99	0.99	NO	136.5	68.4	0.774	
29	29 13C-1,2,3,6,7,8-HxCDF	407171.016	0.525	NO	1.09	10.030	33.84	33.83	0.99	0.99	NO	124.0	62.2	0.683	
30	30 13C-2,3,4,6,7,8-HxCDF	344791.187	0.555	NO	0.984	10.030	34.41	34.41	1.01	1.01	NO	116.7	58.5	0.760	
31	31 13C-1,2,3,7,8,9-HxCDF	267772.429	0.526	NO	0.790	10.030	35.31	35.28	1.04	1.03	NO	112.8	56.6	0.945	

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-15.qld

Last Altered: Tuesday, February 11, 2020 10:56:31 Pacific Standard Time
Printed: Tuesday, February 11, 2020 11:04:30 Pacific Standard Time

Name: 200129K1_15, Date: 30-Jan-2020, Time: 02:29:25, ID: 1903650-10 PDI-092SC-B-00-02-191011 19.64, Description: PDI-092SC-B-00-02-191011

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	256918.234	0.448	NO	0.734	10.030	37.02	37.02	1.09	1.09	NO	116.6	58.5	0.837	
33	33 13C-1,2,3,4,7,8,9-HpCDF	152413.308	0.454	NO	0.459	10.030	39.04	39.06	1.14	1.15	NO	110.6	55.5	1.34	
34	34 13C-OCDF	371520.407	0.877	NO	0.500	10.030	41.91	41.86	1.23	1.23	NO	247.3	62.0	0.898	
35	35 37Cl-2,3,7,8-TCDD	182206.172			1.12	10.030	26.07	26.08	1.03	1.03	NO	56.79	71.2	0.0940	
36	36 13C-1,2,3,4-TCDD	568958.750	0.800	NO	1.00	10.030	25.36	25.36	1.00	1.00	NO	199.4	100	0.388	
37	37 13C-1,2,3,4-TCDF	1017716.9...	0.803	NO	1.00	10.030	23.43	23.43	1.00	1.00	NO	199.4	100	0.395	
38	38 13C-1,2,3,4,6,9-HxCDF	598865.891	0.572	NO	1.00	10.030	34.10	34.11	1.00	1.00	NO	199.4	100	0.747	
39	39 Total Tetra-Dioxins				0.943	10.030	24.62		0.00		NO	15.69		0.173	16.87
40	40 Total Penta-Dioxins				0.897	10.030	29.96		0.00		NO	27.29		0.208	28.89
41	41 Total Hexa-Dioxins				1.01	10.030	33.63		0.00		NO	132.1		0.673	135.7
42	42 Total Hepta-Dioxins				1.06	10.030	38.80		0.00		NO	1058		2.26	1058
43	43 Total Tetra-Furans				0.970	10.030	23.61		0.00		NO	107.4		0.304	110.0
44	44 1st Func. Penta-Furans				0.958	10.030	27.04		0.00		NO	89.97		0.0769	89.97
45	45 Total Penta-Furans				0.958	10.030	29.27		0.00		NO	119.8		0.279	119.8
46	46 Total Hexa-Furans				1.21	10.030	33.56		0.00		NO	173.8		0.400	173.8
47	47 Total Hepta-Furans				1.19	10.030	37.83		0.00		NO	246.5		0.855	246.5

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-15.qld

Last Altered: Tuesday, February 11, 2020 10:56:31 Pacific Standard Time

Printed: Tuesday, February 11, 2020 11:04:46 Pacific Standard Time

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Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_15, Date: 30-Jan-2020, Time: 02:29:25, ID: 1903650-10 PDI-092SC-B-00-02-191011 19.64, Description: PDI-092SC-B-00-02-191011

Tetra-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	39 Total Tetra-Dioxins	0.00e0	4.75e5	0.975	YES	24.62	27.12	0.0000	0.2053
2	39 Total Tetra-Dioxins	0.00e0	4.75e5	0.637	YES	24.62	26.44	0.0000	0.3635
3	1 2,3,7,8-TCDD	1.72e3	4.75e5	0.775	NO	26.08	26.09	0.7654	0.7654
4	39 Total Tetra-Dioxins	2.47e3	4.75e5	0.698	NO	24.62	25.78	1.102	1.102
5	39 Total Tetra-Dioxins	9.41e2	4.75e5	0.855	NO	24.62	25.34	0.4193	0.4193
6	39 Total Tetra-Dioxins	1.02e3	4.75e5	0.801	NO	24.62	24.94	0.4547	0.4547
7	39 Total Tetra-Dioxins	0.00e0	4.75e5	0.989	YES	24.62	24.68	0.0000	0.2386
8	39 Total Tetra-Dioxins	0.00e0	4.75e5	0.579	YES	24.62	24.44	0.0000	0.3760
9	39 Total Tetra-Dioxins	2.67e3	4.75e5	0.795	NO	24.62	24.21	1.190	1.190
10	39 Total Tetra-Dioxins	3.59e3	4.75e5	0.804	NO	24.62	23.95	1.597	1.597
11	39 Total Tetra-Dioxins	1.15e3	4.75e5	0.800	NO	24.62	23.63	0.5132	0.5132
12	39 Total Tetra-Dioxins	1.10e3	4.75e5	0.846	NO	24.62	22.64	0.4895	0.4895
13	39 Total Tetra-Dioxins	4.08e3	4.75e5	0.858	NO	24.62	22.13	1.817	1.817
14	39 Total Tetra-Dioxins	1.65e4	4.75e5	0.765	NO	24.62	21.73	7.342	7.342

Penta-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	40 Total Penta-Dioxins	7.52e2	3.20e5	0.664	NO	29.96	31.63	0.5224	0.5224
2	40 Total Penta-Dioxins	6.15e2	3.20e5	0.612	NO	29.96	31.33	0.4273	0.4273
3	2 1,2,3,7,8-PeCDD	1.54e3	3.20e5	0.571	NO	31.25	31.25	1.071	1.071
4	40 Total Penta-Dioxins	9.07e2	3.20e5	0.549	NO	29.96	30.81	0.6295	0.6295
5	40 Total Penta-Dioxins	4.11e3	3.20e5	0.613	NO	29.96	30.48	2.852	2.852
6	40 Total Penta-Dioxins	0.00e0	3.20e5	0.468	YES	29.96	30.24	0.0000	1.594
7	40 Total Penta-Dioxins	3.02e3	3.20e5	0.581	NO	29.96	30.16	2.099	2.099
8	40 Total Penta-Dioxins	1.04e4	3.20e5	0.661	NO	29.96	29.98	7.216	7.216
9	40 Total Penta-Dioxins	1.91e3	3.20e5	0.587	NO	29.96	29.48	1.325	1.325
10	40 Total Penta-Dioxins	1.61e4	3.20e5	0.663	NO	29.96	29.00	11.15	11.15

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-15.qld

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Name: 200129K1_15, Date: 30-Jan-2020, Time: 02:29:25, ID: 1903650-10 PDI-092SC-B-00-02-191011 19.64, Description: PDI-092SC-B-00-02-191011

Hexa-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	5 1,2,3,7,8,9-HxCDD	2.88e3	2.09e5	1.490	YES	34.99	34.97	0.0000	2.513
2	41 Total Hexa-Dioxins	0.00e0	0.00e0	1.546	YES	33.63	34.88	0.0000	1.104
3	4 1,2,3,6,7,8-HxCDD	9.25e3	2.59e5	1.173	NO	34.68	34.69	7.064	7.064
4	3 1,2,3,4,7,8-HxCDD	9.20e2	2.12e5	1.154	NO	34.59	34.58	0.7402	0.7402
5	41 Total Hexa-Dioxins	6.19e4	0.00e0	1.281	NO	33.63	33.93	54.05	54.05
6	41 Total Hexa-Dioxins	8.26e3	0.00e0	1.289	NO	33.63	33.68	7.212	7.212
7	41 Total Hexa-Dioxins	7.21e4	0.00e0	1.195	NO	33.63	33.13	62.99	62.99

Hepta-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	6 1,2,3,4,6,7,8-HpCDD	4.05e5	1.74e5	1.047	NO	38.44	38.46	436.5	436.5
2	42 Total Hepta-Dioxins	5.77e5	1.74e5	1.044	NO	38.80	37.41	621.1	621.1

Vista Analytical Laboratory

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Tetra-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	43 Total Tetra-Furans	1.13e3	6.82e5	0.792	NO	23.61	22.32	0.3390	0.3390
2	43 Total Tetra-Furans	5.26e4	6.82e5	0.779	NO	23.61	22.15	15.86	15.86
3	43 Total Tetra-Furans	4.31e4	6.82e5	0.785	NO	23.61	21.69	13.00	13.00
4	43 Total Tetra-Furans	1.07e4	6.82e5	0.797	NO	23.61	21.32	3.216	3.216
5	43 Total Tetra-Furans	7.95e4	6.82e5	0.780	NO	23.61	20.77	23.96	23.96
6	43 Total Tetra-Furans	1.07e4	6.82e5	0.766	NO	23.61	20.17	3.226	3.226
7	43 Total Tetra-Furans	0.00e0	6.82e5	0.921	YES	23.61	19.69	0.0000	1.121
8	43 Total Tetra-Furans	1.25e4	6.82e5	0.879	NO	23.61	27.25	3.762	3.762
9	43 Total Tetra-Furans	1.25e3	6.82e5	0.664	NO	23.61	26.98	0.3762	0.3762
10	43 Total Tetra-Furans	0.00e0	6.82e5	0.654	YES	23.61	26.80	0.0000	0.2859
11	43 Total Tetra-Furans	9.18e2	6.82e5	0.838	NO	23.61	25.78	0.2767	0.2767
12	43 Total Tetra-Furans	4.29e3	6.82e5	0.844	NO	23.61	25.51	1.294	1.294
13	8 2,3,7,8-TCDF	4.96e4	6.82e5	0.783	NO	25.09	25.08	14.95	14.95
14	43 Total Tetra-Furans	7.46e3	6.82e5	0.754	NO	23.61	24.98	2.246	2.246
15	43 Total Tetra-Furans	1.28e3	6.82e5	0.696	NO	23.61	24.85	0.3848	0.3848
16	43 Total Tetra-Furans	1.42e3	6.82e5	0.714	NO	23.61	24.61	0.4278	0.4278
17	43 Total Tetra-Furans	3.00e3	6.82e5	0.837	NO	23.61	24.35	0.9040	0.9040
18	43 Total Tetra-Furans	4.98e4	6.82e5	0.767	NO	23.61	24.03	15.01	15.01
19	43 Total Tetra-Furans	2.30e4	6.82e5	0.792	NO	23.61	23.34	6.916	6.916
20	43 Total Tetra-Furans	0.00e0	6.82e5	0.690	NO	23.61	23.13	0.0000	1.199
21	43 Total Tetra-Furans	4.12e3	6.82e5	0.745	NO	23.61	22.51	1.242	1.242

Penta-Furans function 1

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	44 1st Func. Penta-Fura...	2.19e5	0.00e0	1.607	NO	27.04	27.27	89.97	89.97

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Penta-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	45 Total Penta-Furans	8.43e3	0.00e0	1.625	NO	29.27	29.74	3.471	3.471
2	45 Total Penta-Furans	3.21e4	0.00e0	1.658	NO	29.27	29.54	13.20	13.20
3	45 Total Penta-Furans	1.05e5	0.00e0	1.581	NO	29.27	28.93	43.30	43.30
4	45 Total Penta-Furans	5.72e3	0.00e0	1.501	NO	29.27	28.79	2.354	2.354
5	45 Total Penta-Furans	2.02e3	0.00e0	1.629	NO	29.27	31.85	0.8309	0.8309
6	10 2,3,4,7,8-PeCDF	4.61e4	4.99e5	1.506	NO	30.94	30.95	18.28	18.28
7	45 Total Penta-Furans	1.22e3	0.00e0	1.683	NO	29.27	30.83	0.5011	0.5011
8	45 Total Penta-Furans	2.78e4	0.00e0	1.654	NO	29.27	30.20	11.43	11.43
9	9 1,2,3,7,8-PeCDF	4.67e4	5.12e5	1.615	NO	29.94	29.94	18.99	18.99
10	45 Total Penta-Furans	1.82e4	0.00e0	1.575	NO	29.27	30.97	7.493	7.493

Hexa-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	14 1,2,3,7,8,9-HxCDF	7.70e3	2.68e5	1.258	NO	35.28	35.34	5.051	5.051
2	13 2,3,4,6,7,8-HxCDF	1.41e4	3.45e5	1.324	NO	34.44	34.42	6.740	6.740
3	46 Total Hexa-Furans	2.23e3	0.00e0	1.270	NO	33.56	34.11	1.037	1.037
4	12 1,2,3,6,7,8-HxCDF	2.29e4	4.07e5	1.260	NO	33.85	33.86	9.798	9.798
5	11 1,2,3,4,7,8-HxCDF	5.87e4	3.95e5	1.242	NO	33.72	33.74	25.46	25.46
6	46 Total Hexa-Furans	2.37e3	0.00e0	1.218	NO	33.56	33.63	1.100	1.100
7	46 Total Hexa-Furans	1.57e5	0.00e0	1.262	NO	33.56	33.28	72.77	72.77
8	46 Total Hexa-Furans	1.62e3	0.00e0	1.095	NO	33.56	33.10	0.7535	0.7535
9	46 Total Hexa-Furans	7.38e4	0.00e0	1.272	NO	33.56	32.74	34.29	34.29
10	46 Total Hexa-Furans	3.09e4	0.00e0	1.260	NO	33.56	32.58	14.38	14.38
11	46 Total Hexa-Furans	5.10e3	0.00e0	1.220	NO	33.56	35.35	2.372	2.372

Hepta-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	16 1,2,3,4,7,8,9-HpCDF	6.30e3	1.52e5	0.962	NO	39.06	39.07	5.927	5.927
2	47 Total Hepta-Furans	2.01e5	0.00e0	1.050	NO	37.83	37.62	164.9	164.9
3	15 1,2,3,4,6,7,8-HpCDF	1.16e5	2.57e5	1.045	NO	37.05	37.03	75.59	75.59

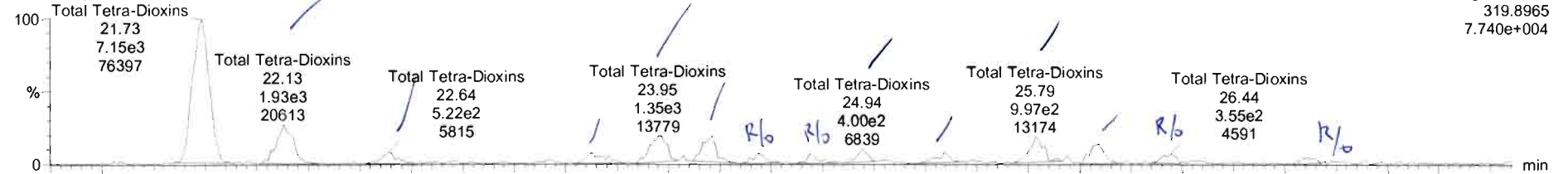
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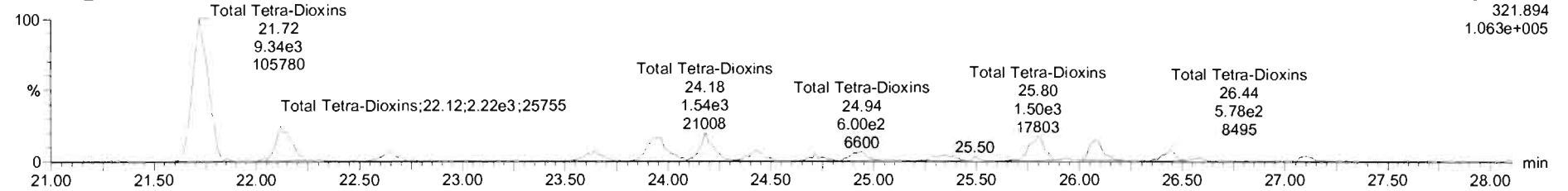
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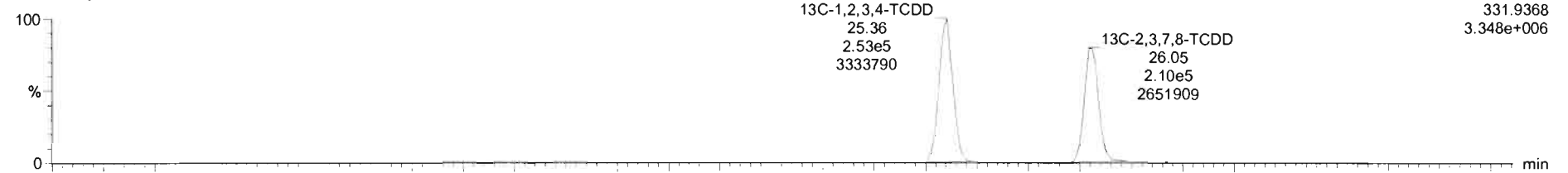


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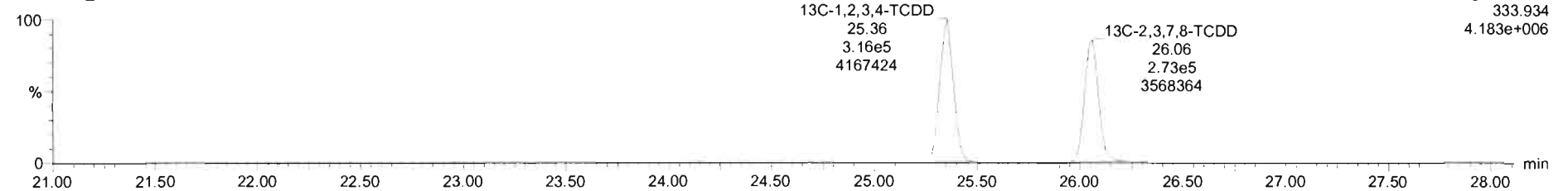


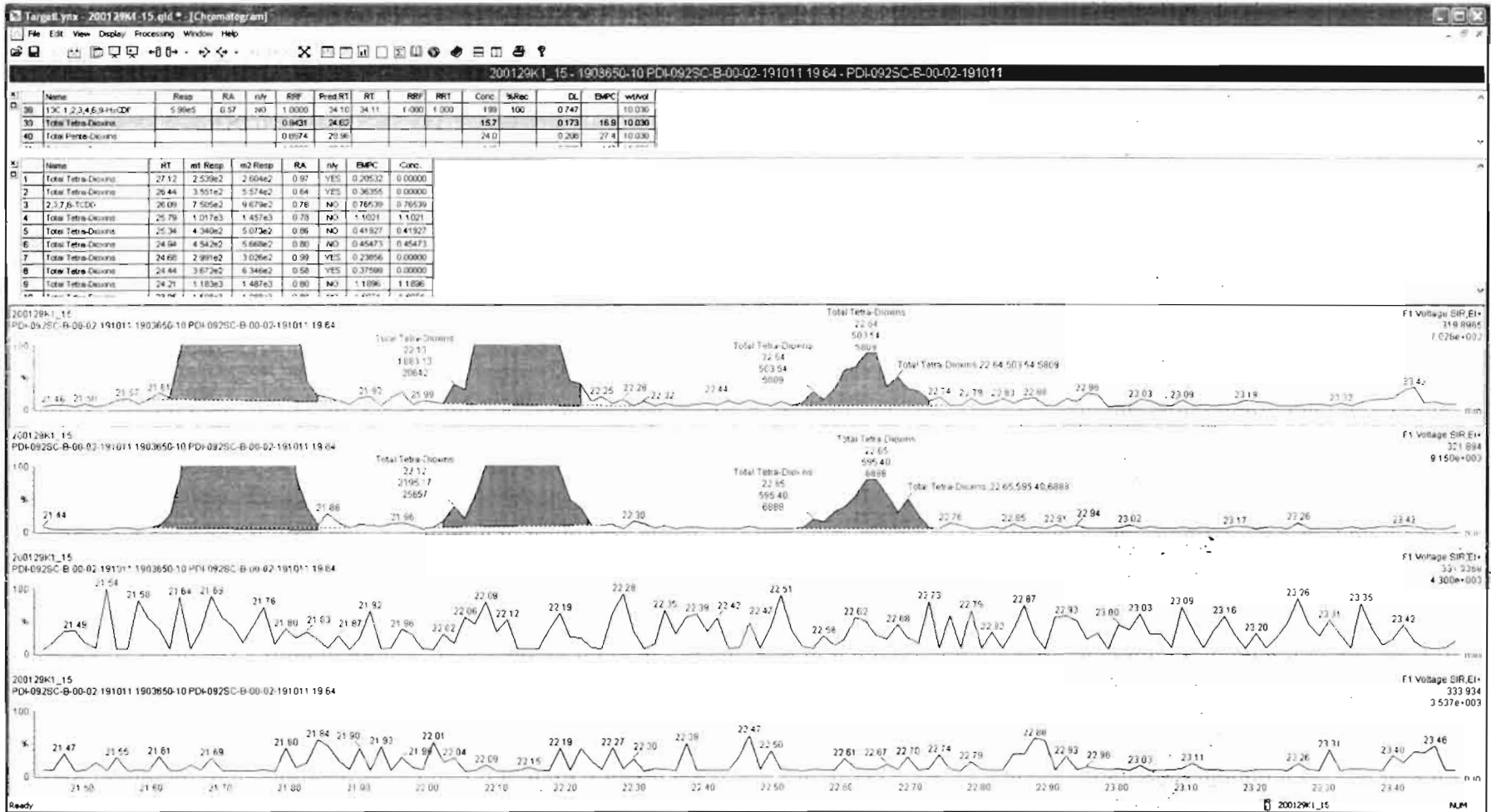
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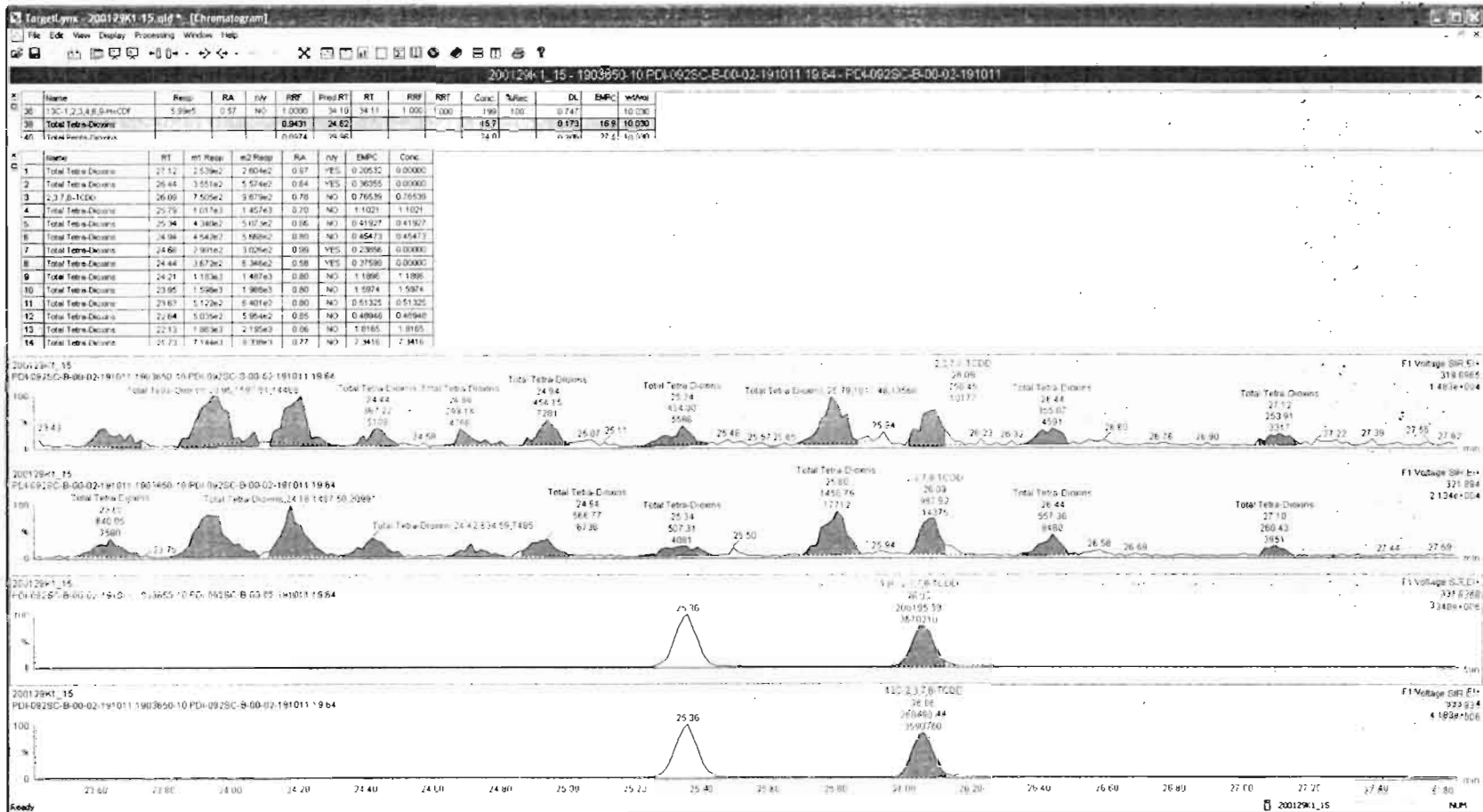
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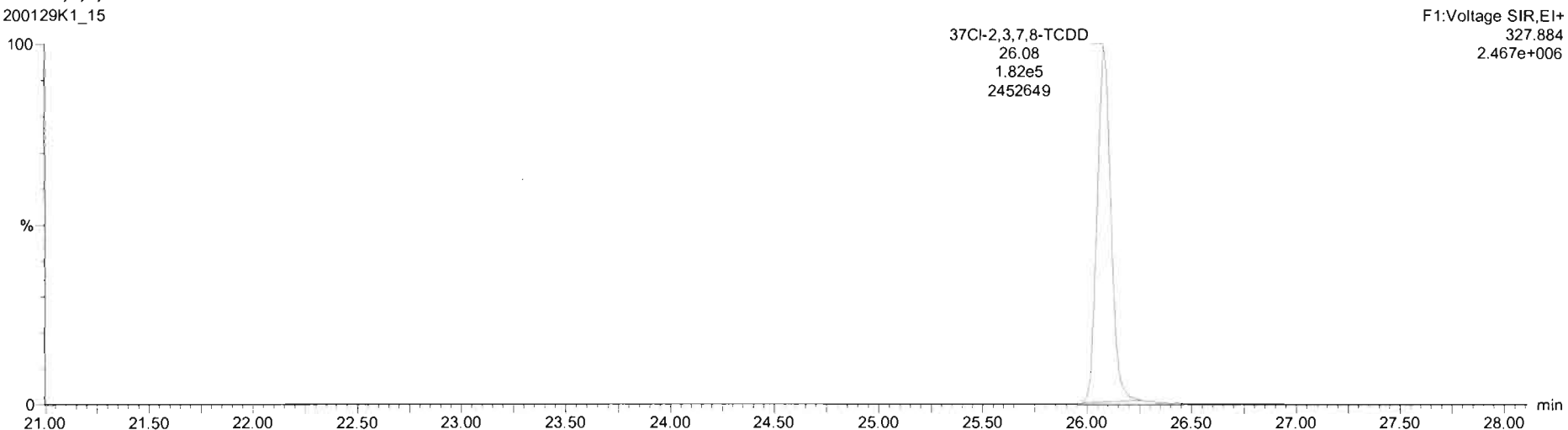
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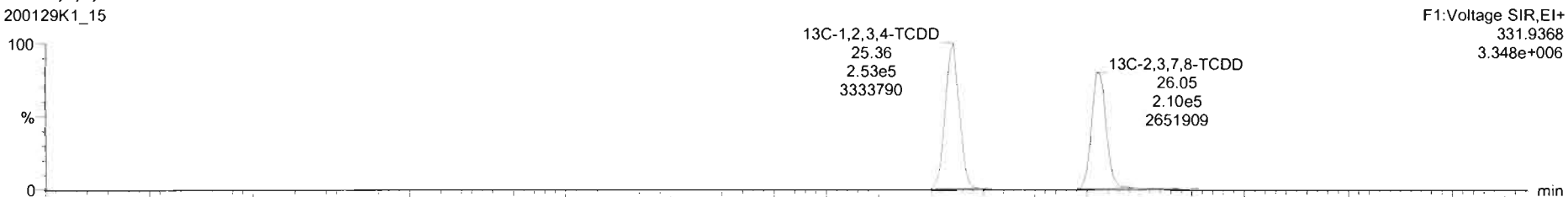
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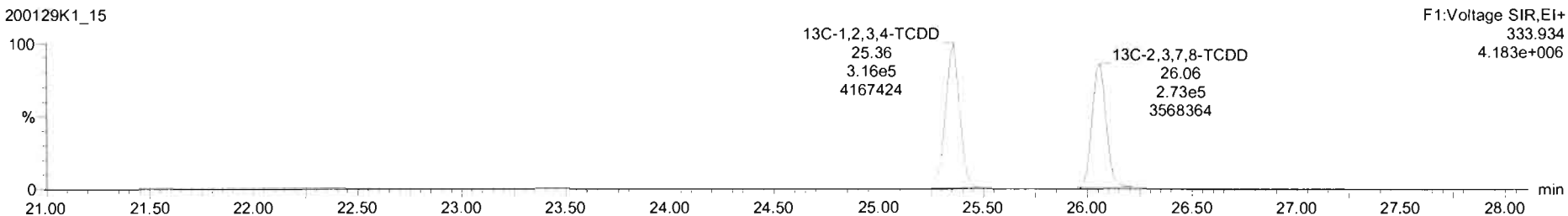


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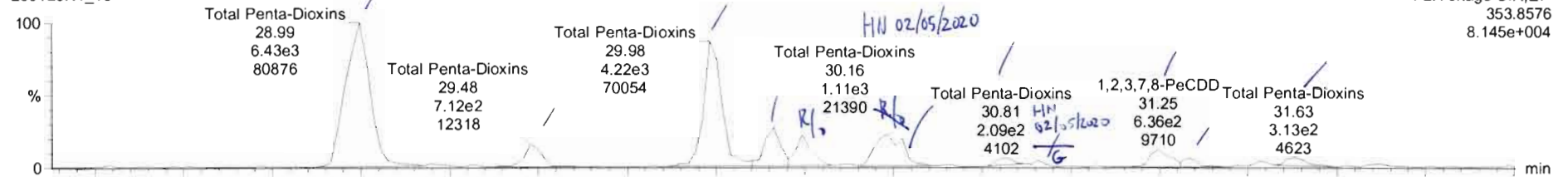
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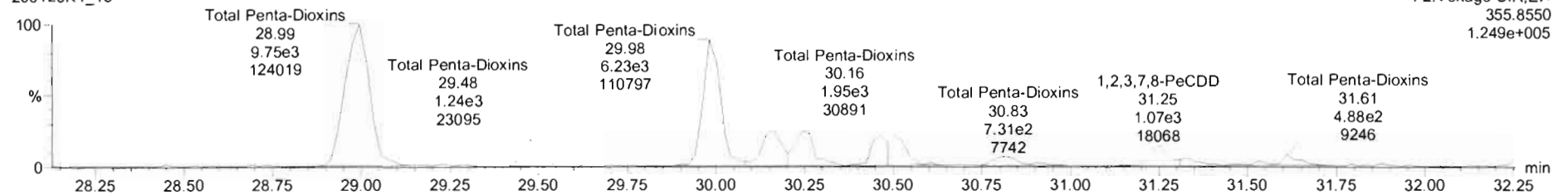
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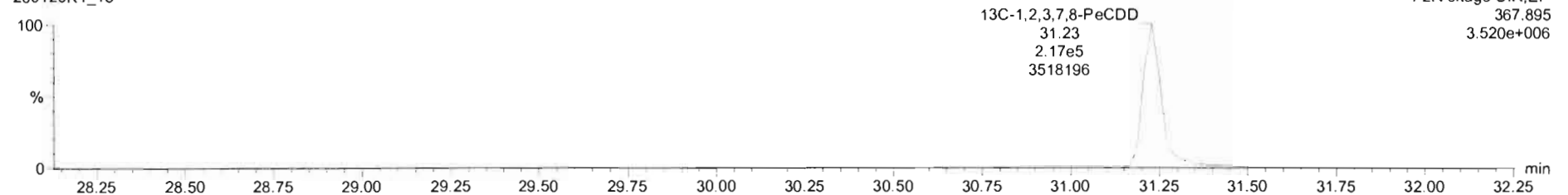


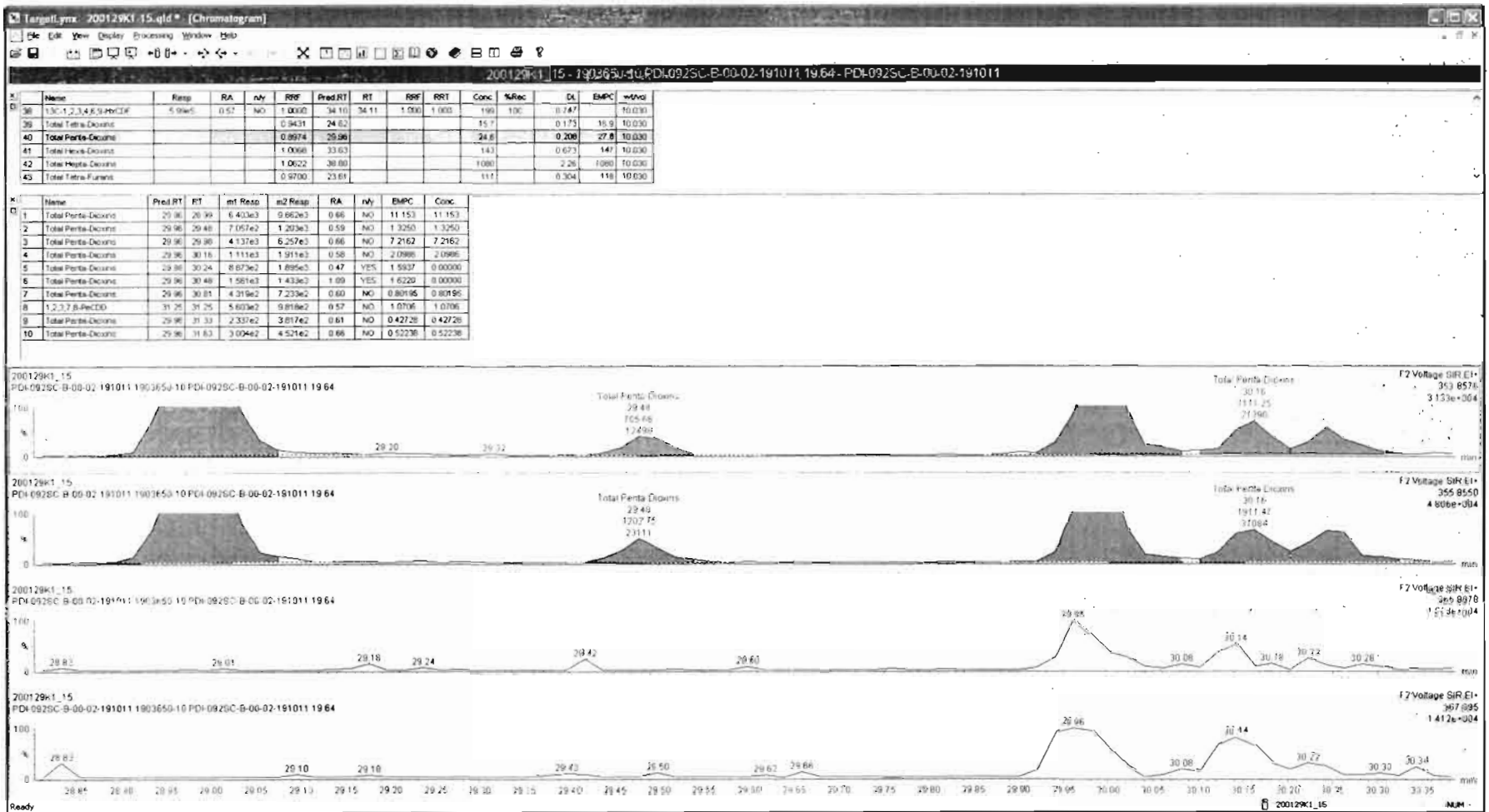
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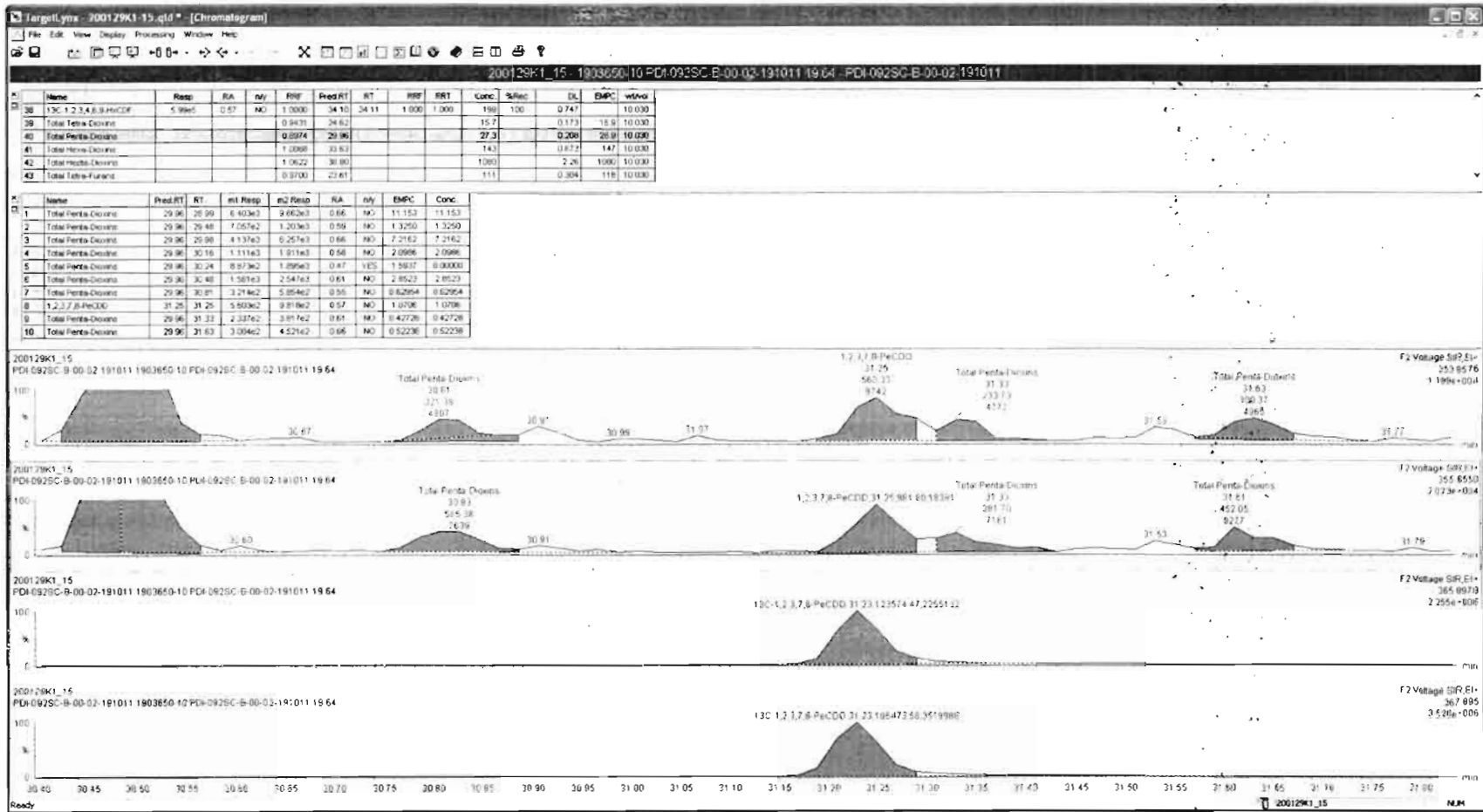
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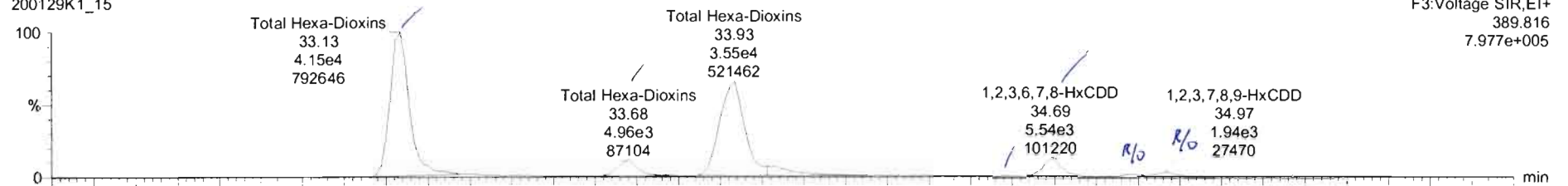
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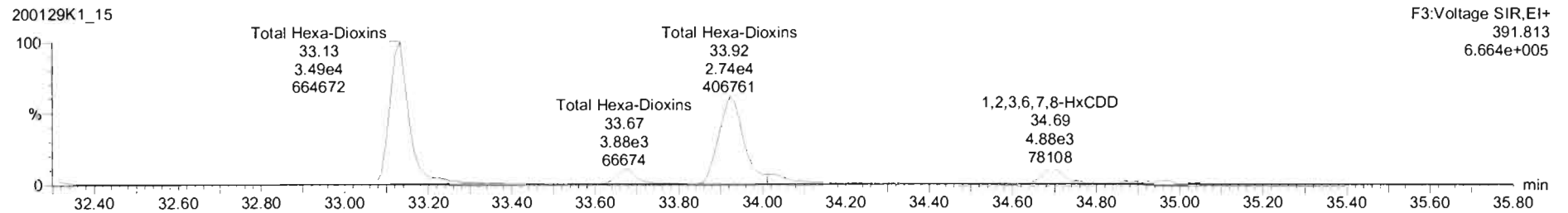
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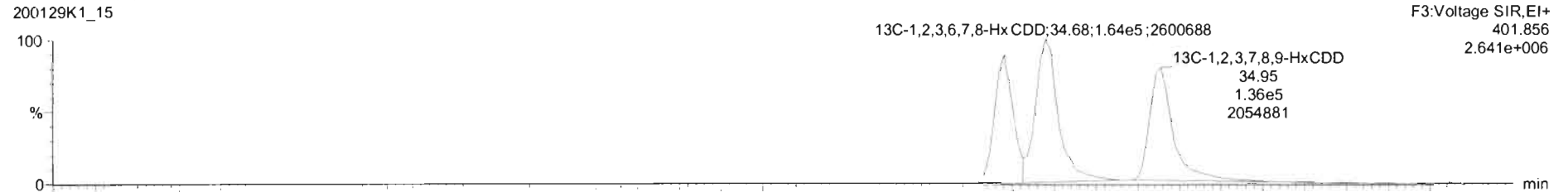


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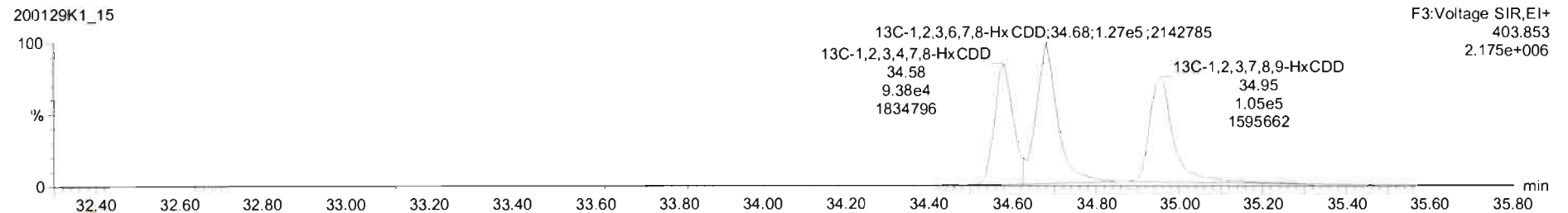


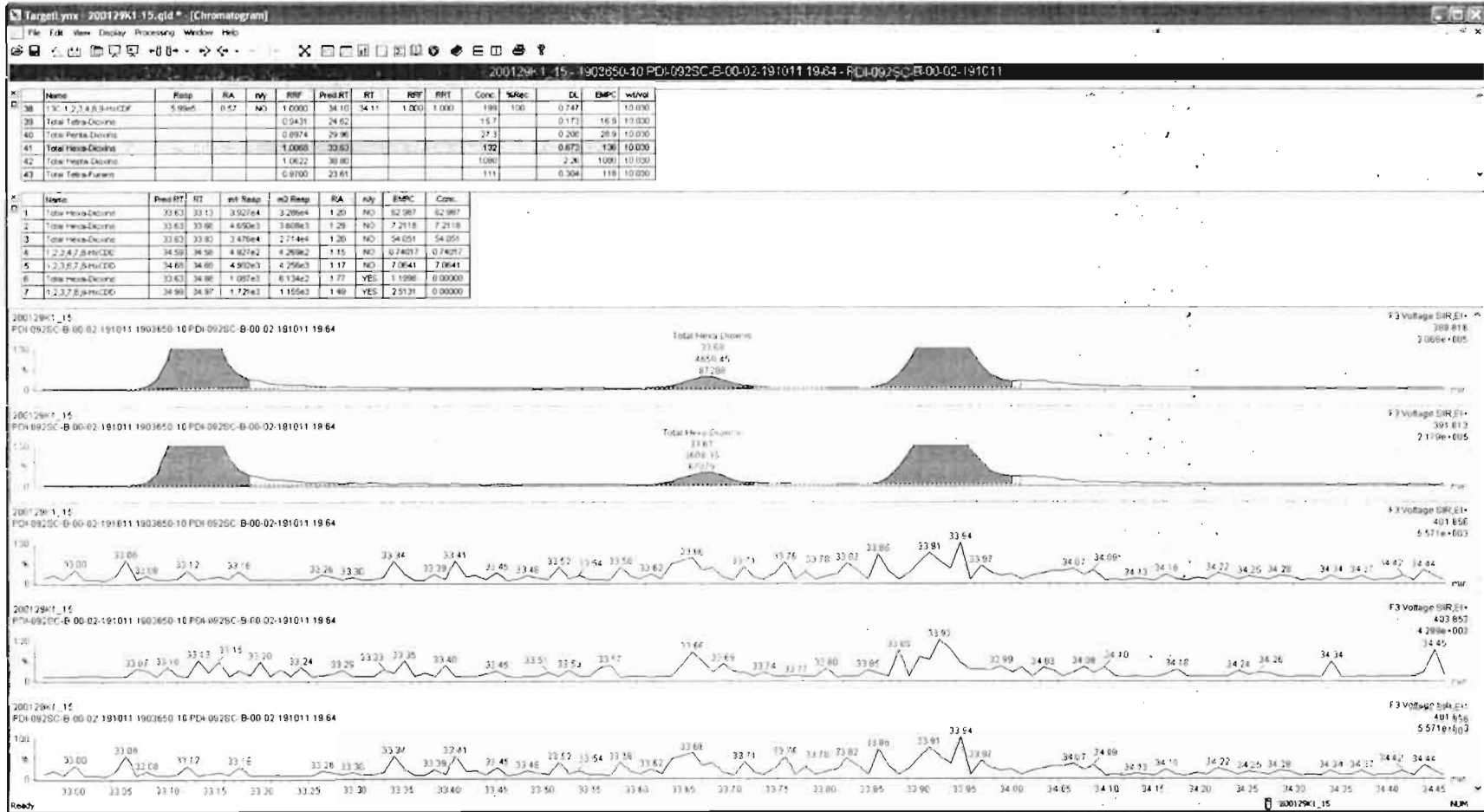
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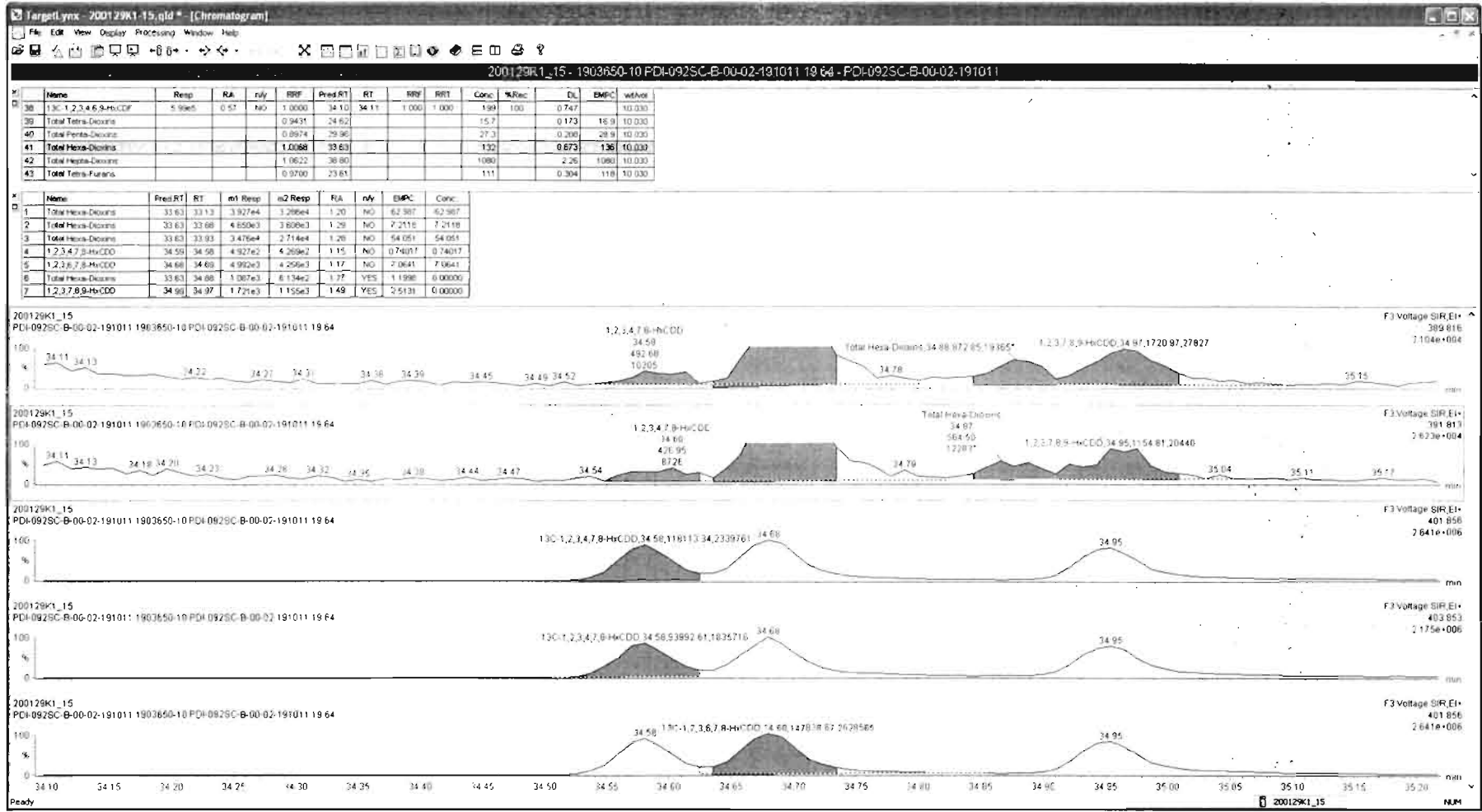
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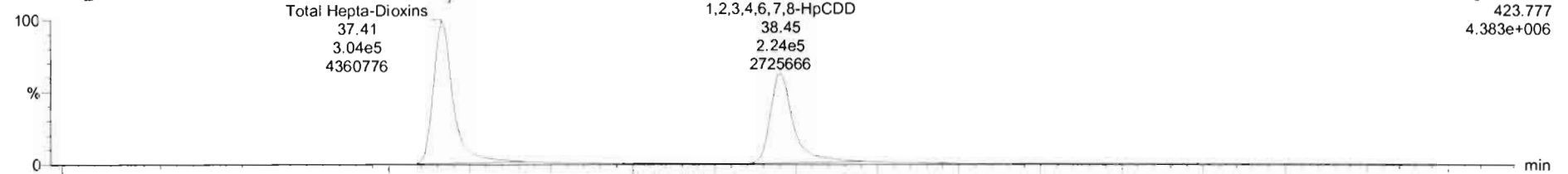
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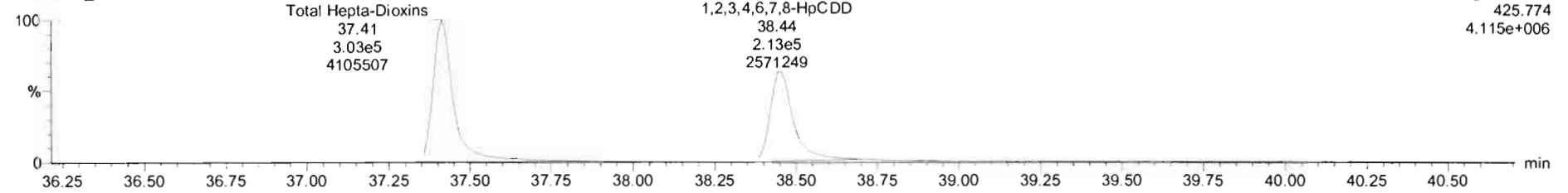
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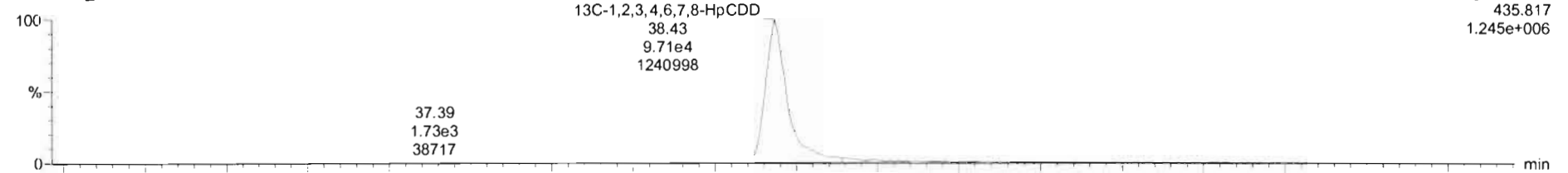


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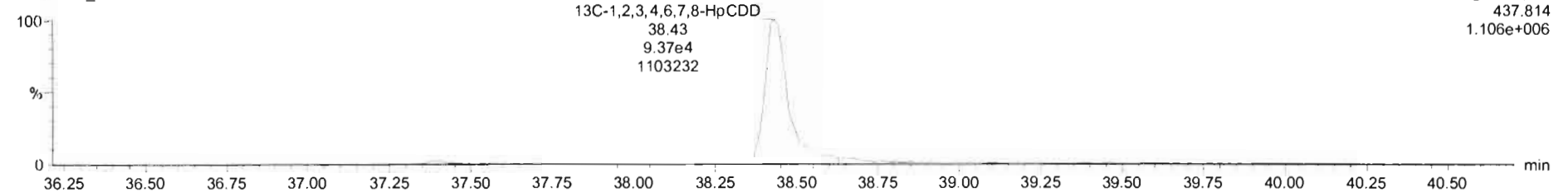


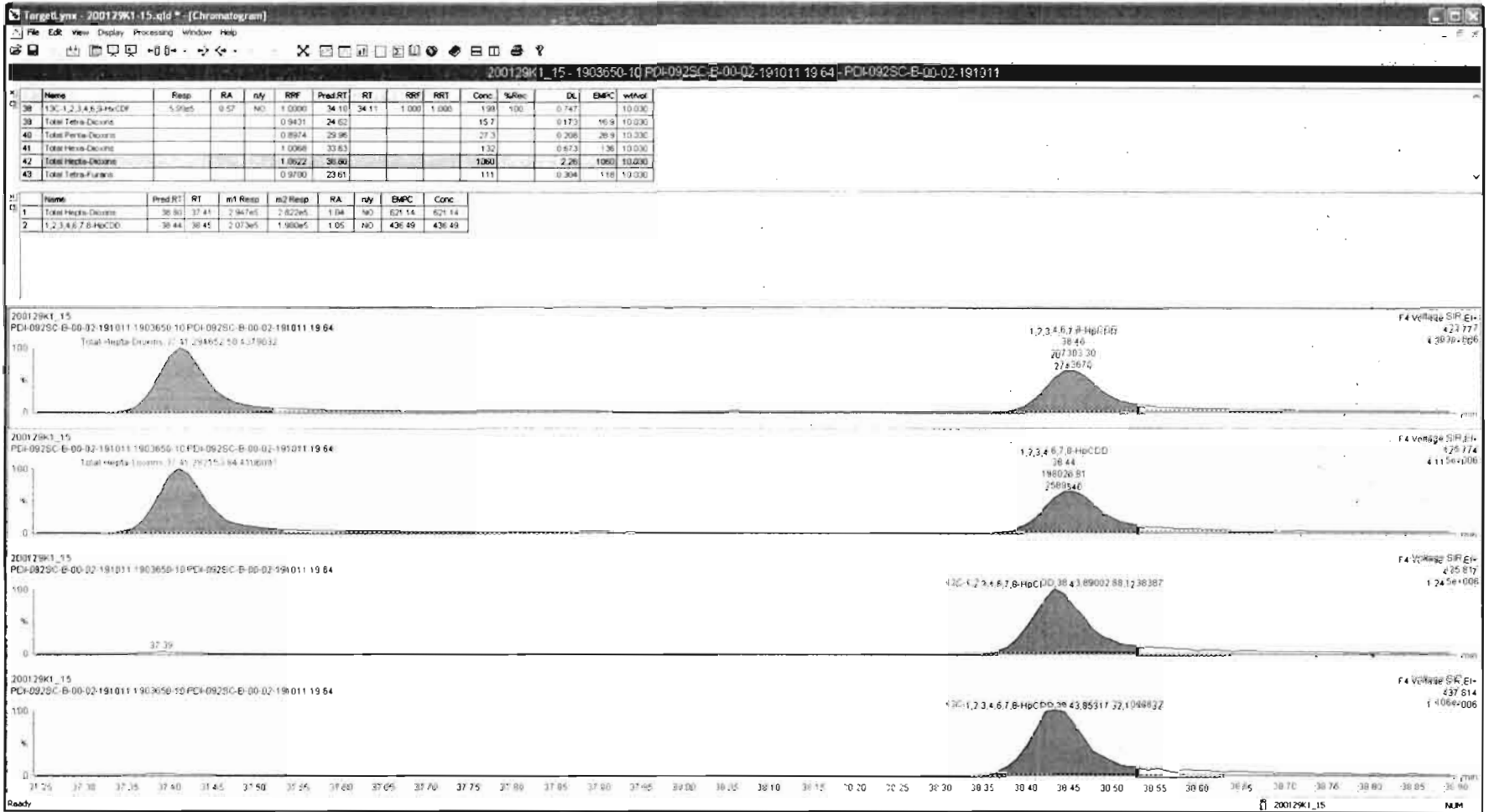
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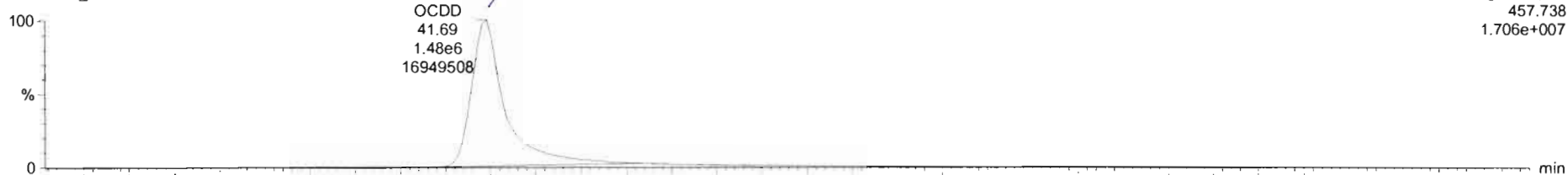
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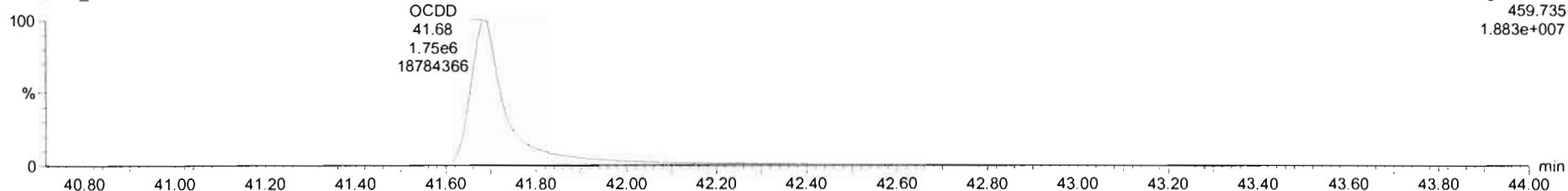
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OCDD

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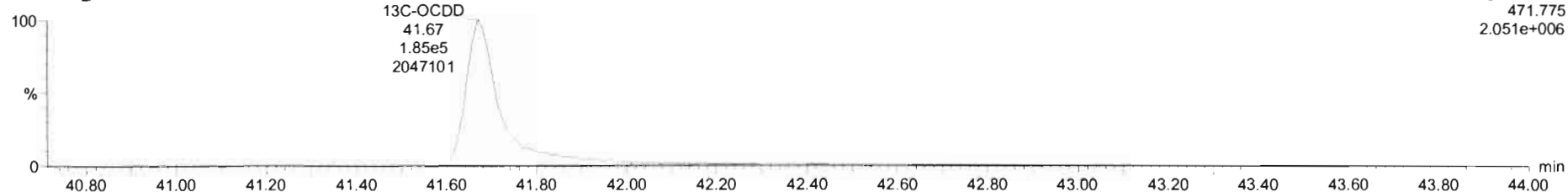


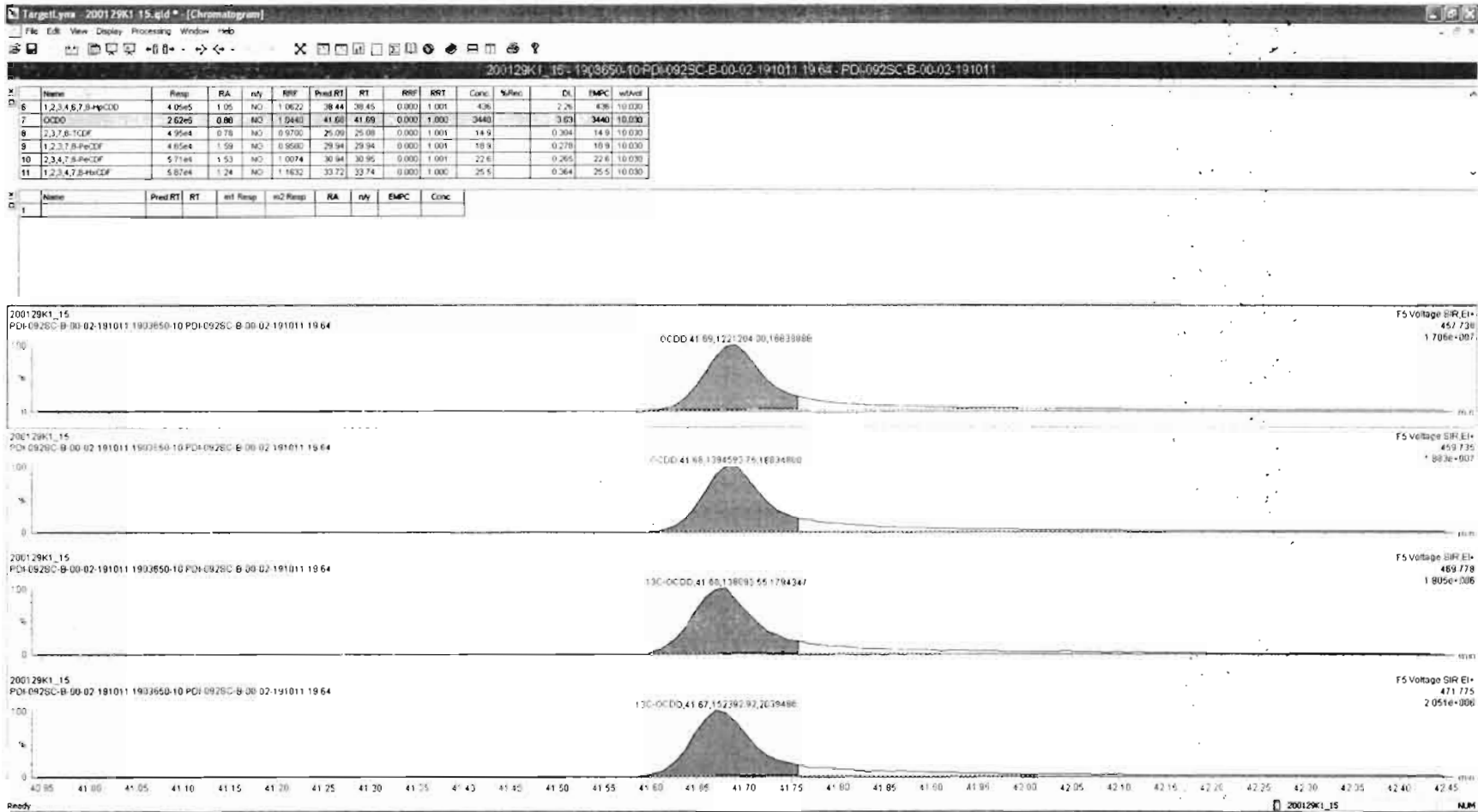
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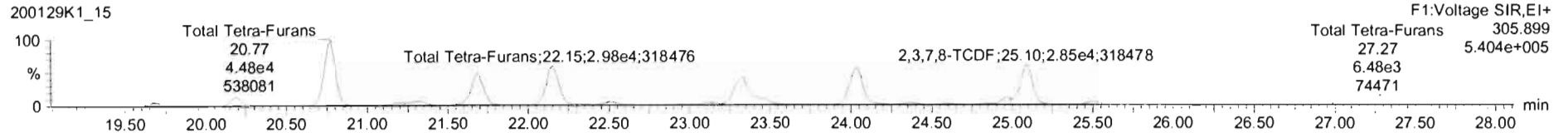
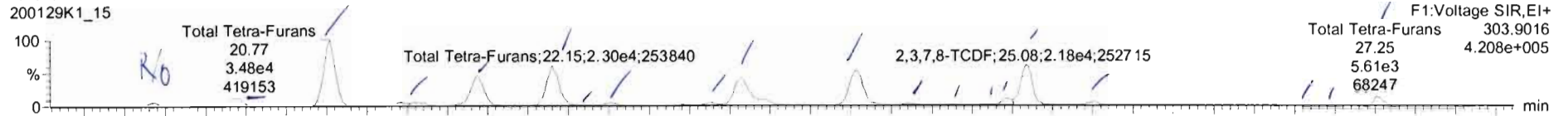
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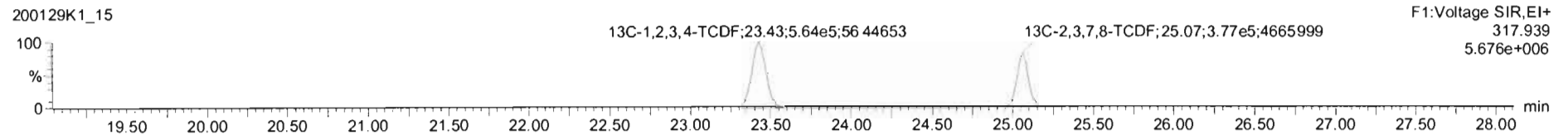
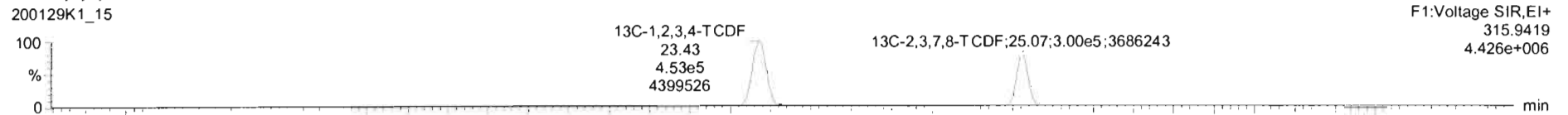
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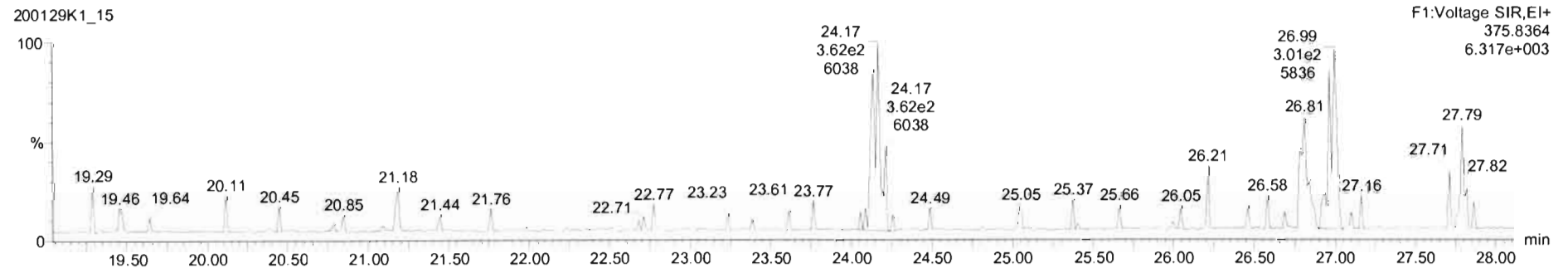
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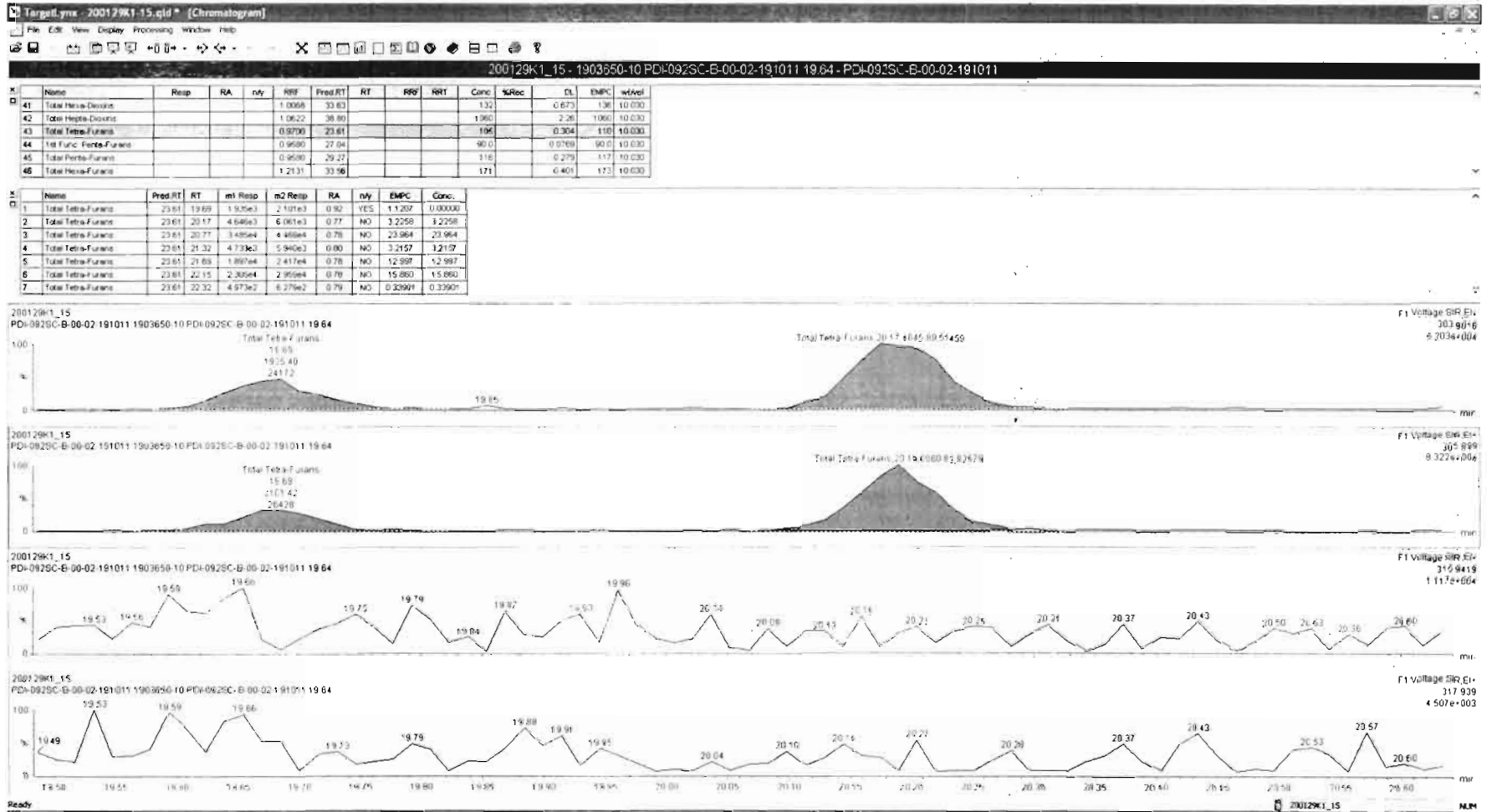


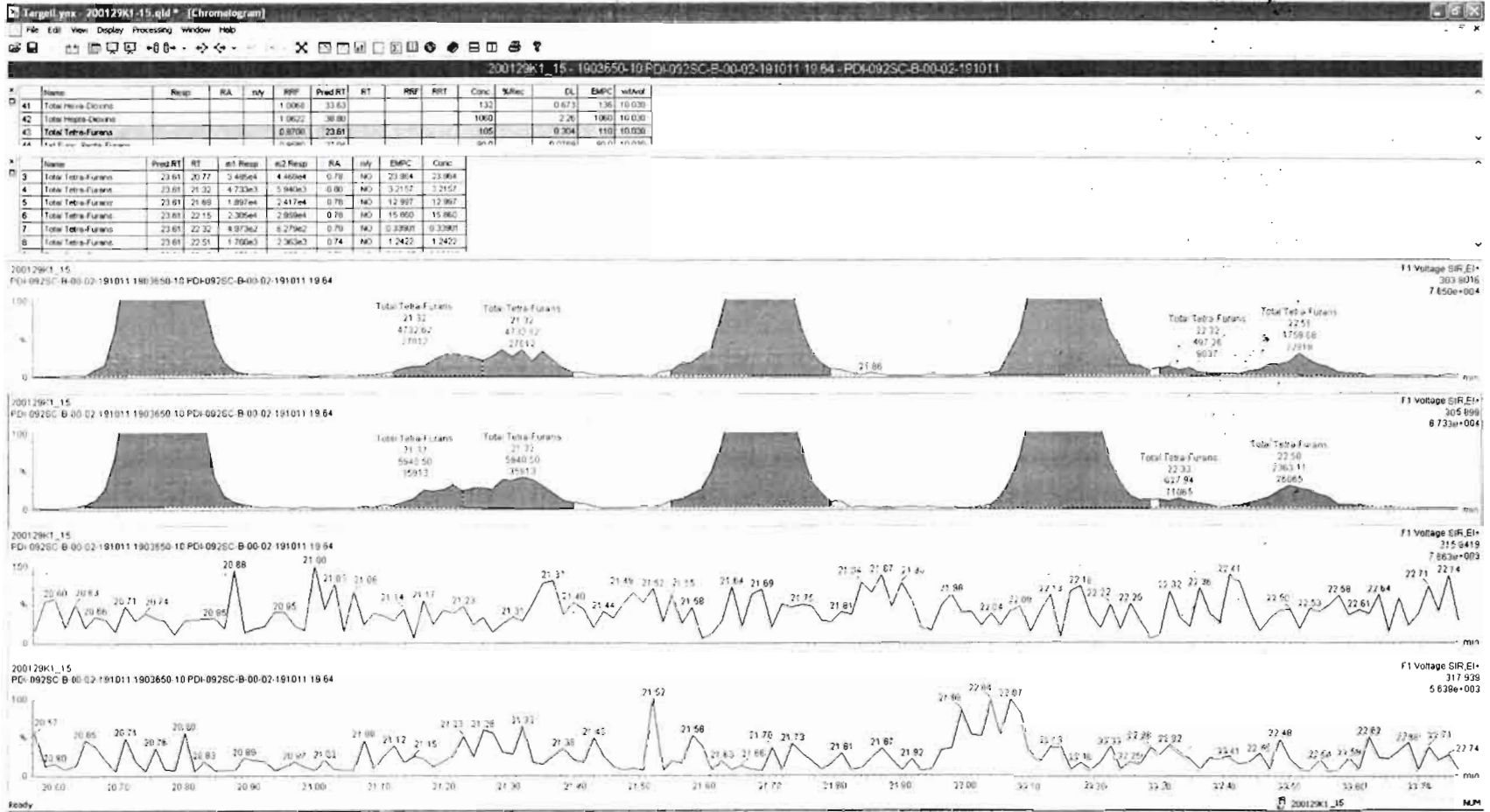
13C-2,3,7,8-TCDF



DPE1



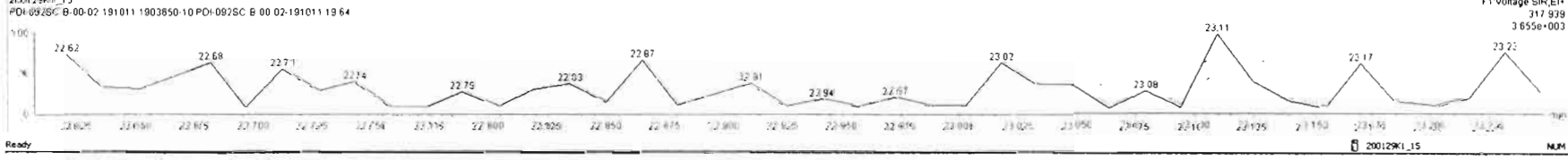
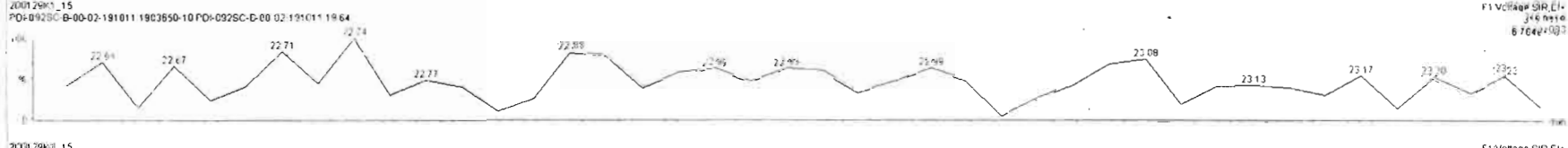
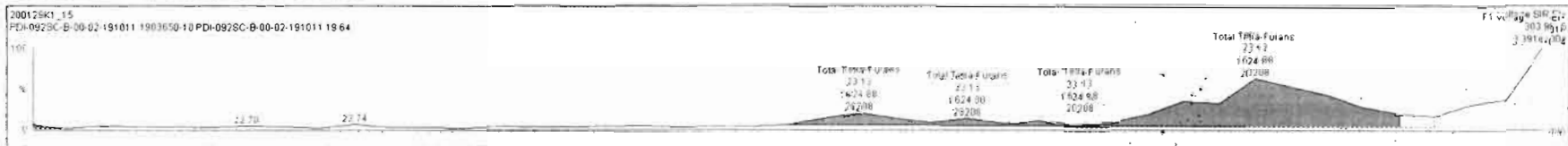


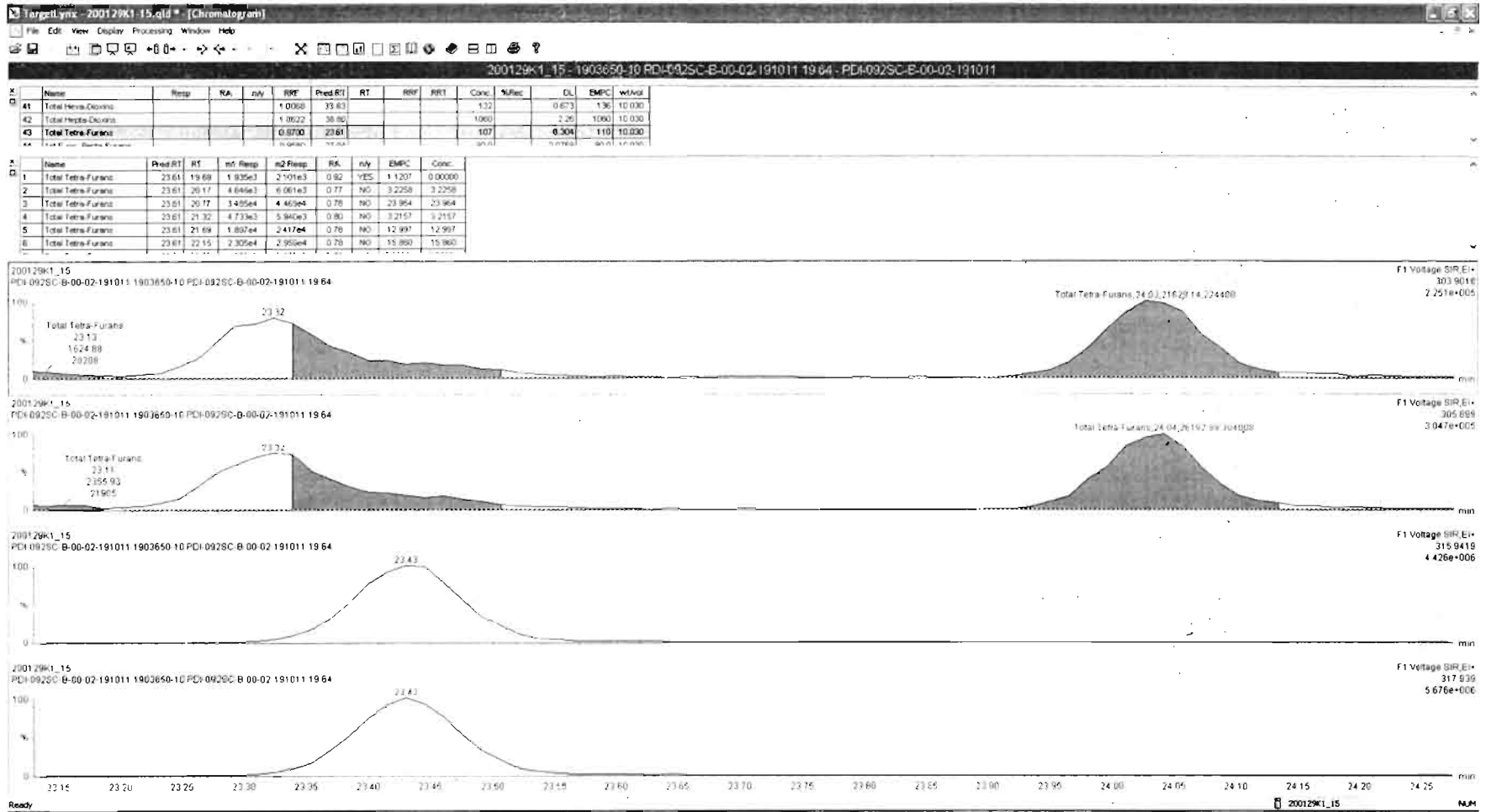


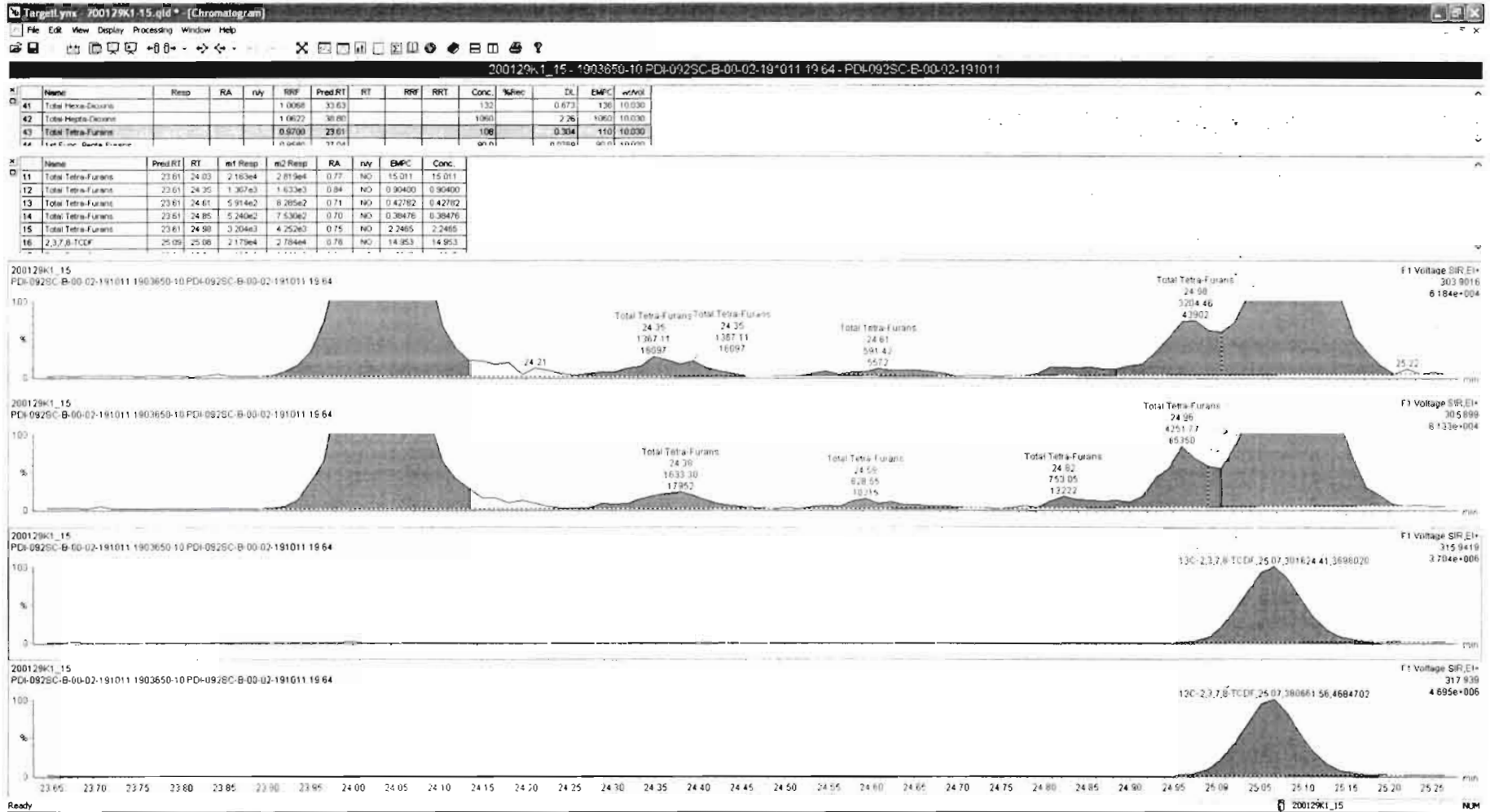
200129K1_15 - 1903650-10 PDI-092SC-B-00-02-191011 19:04 - PDI-092SC-B-00-02-191011

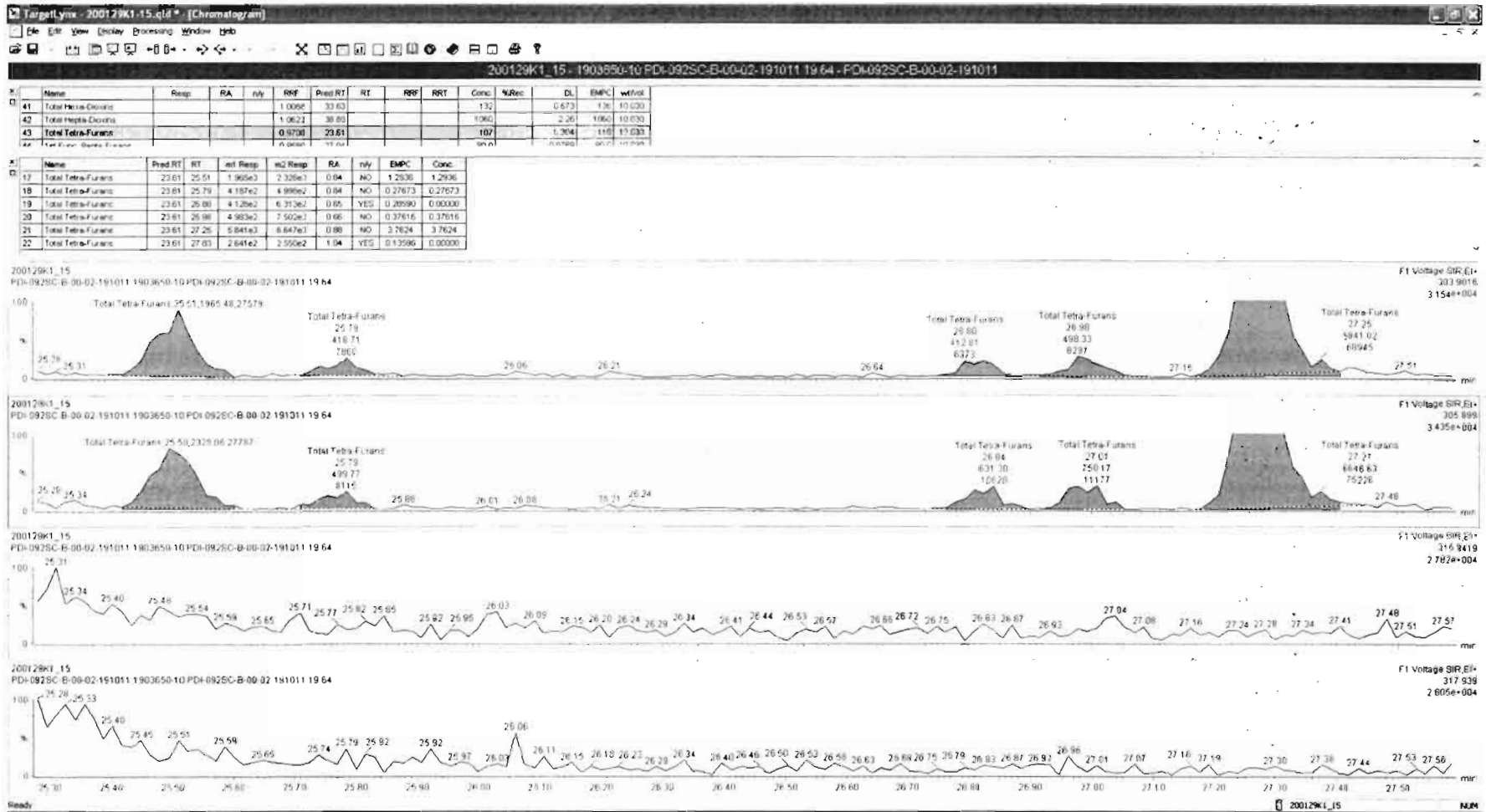
Name	Resp	RA	n/y	RF	Prod RT	RT	RRF	RRT	Conc.	%Rec	DL	QAC	Value
41 Total Hexa-Chloro				1.00E-05	23.67				1.32	0.672	1.38	10.036	
42 Total Hepta-Chloro				1.06E-02	28.80				1.090	2.29	1.090	10.030	
43 Total Tetra-Furans				0.0700	23.61				107	0.304	918	10.038	

Name	Prod RT	RT	mt Resp	wt Resp	RA	n/y	EMPC	Conc.
9 Total Tetra-Furans	23.61	23.15	1.025e3	2.356e3	0.09	NO	1.1394	0.00000
10 Total Tetra-Furans	23.61	23.34	1.024e4	1.289e4	0.79	NO	6.9648	6.9648
11 Total Tetra-Furans	23.61	24.03	2.151e4	2.813e4	0.76	NO	14.975	14.975
12 Total Tetra-Furans	23.61	24.35	1.387e3	1.633e3	0.84	NO	0.90400	0.90400
13 Total Tetra-Furans	23.61	24.61	5.914e2	7.899e2	0.75	NO	0.41618	0.41618
14 Total Tetra-Furans	23.61	24.85	4.519e2	8.084e2	0.56	YES	0.31294	0.00000









Dataset: Untitled

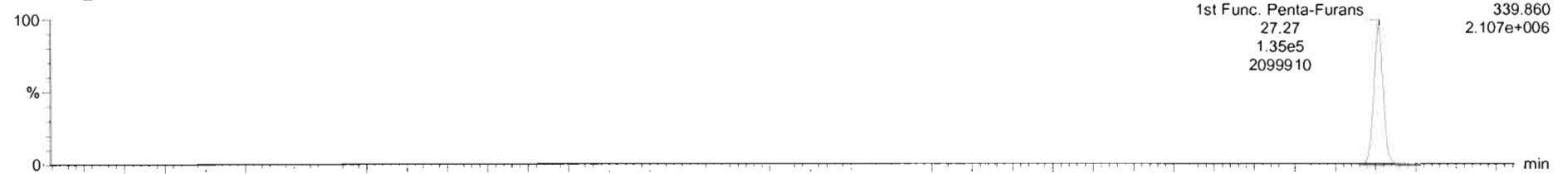
Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time

Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

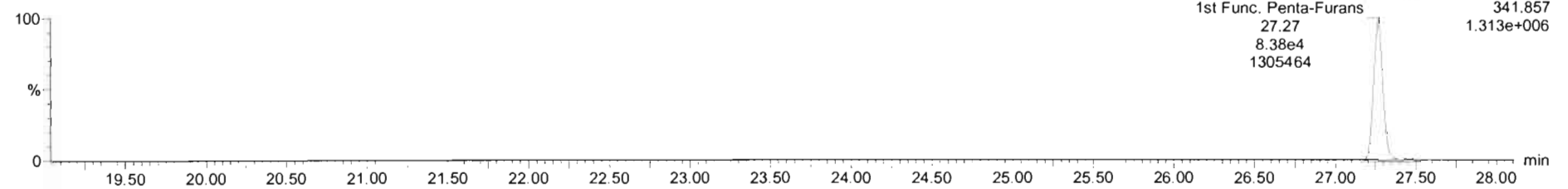
Name: 200129K1_15, Date: 30-Jan-2020, Time: 02:29:25, ID: 1903650-10 PDI-092SC-B-00-02-191011 19.64, Description: PDI-092SC-B-00-02-191011

1st Func. Penta-Furans

200129K1_15

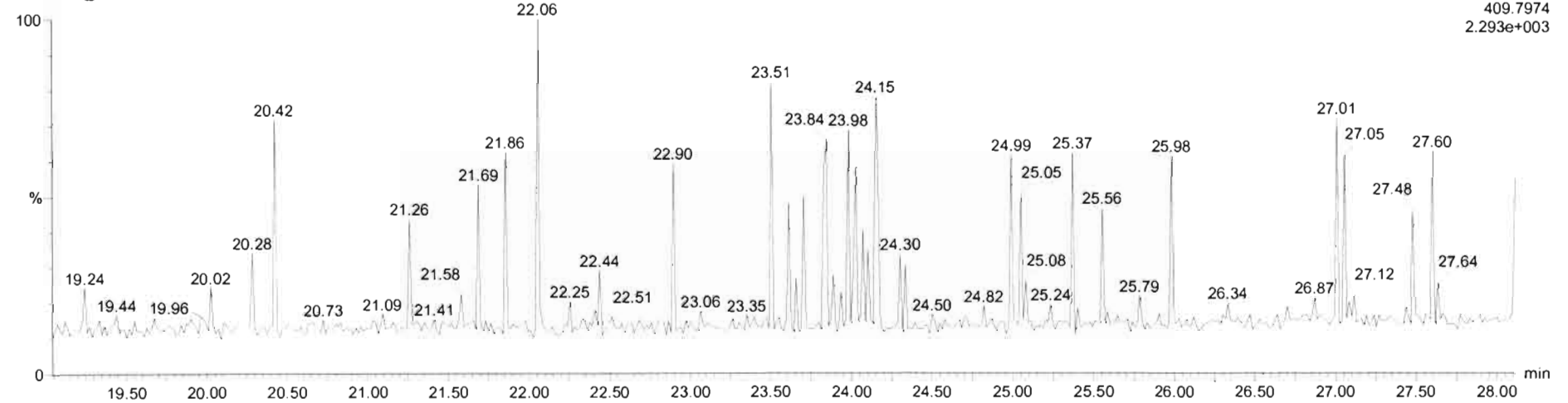


200129K1_15



DPE6

200129K1_15



Dataset: Untitled

Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time

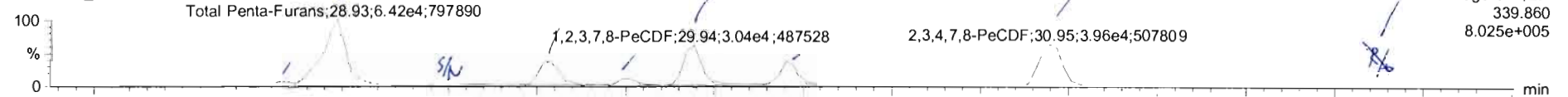
Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_15, Date: 30-Jan-2020, Time: 02:29:25, ID: 1903650-10 PDI-092SC-B-00-02-191011 19.64, Description: PDI-092SC-B-00-02-191011

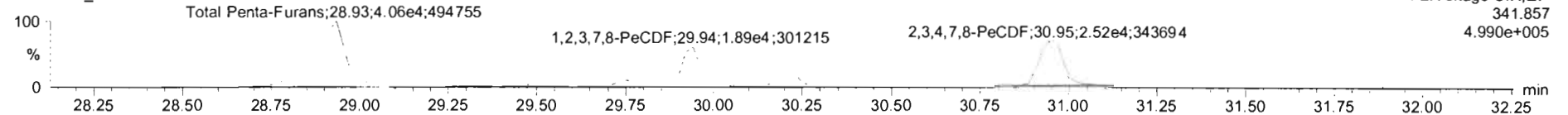
HN 02/05/2020

1,2,3,7,8-PeCDF

200129K1_15

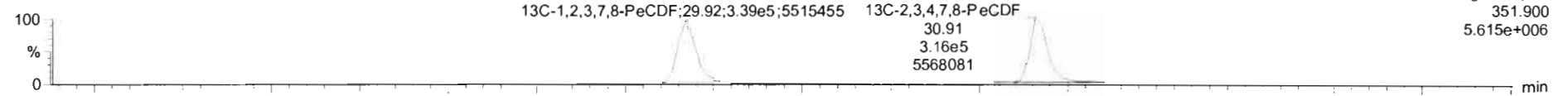


200129K1_15

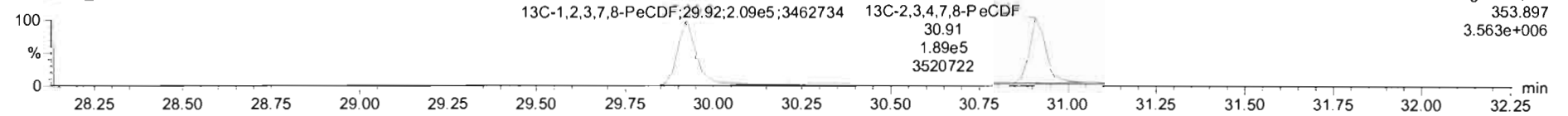


13C-1,2,3,7,8-PeCDF

200129K1_15

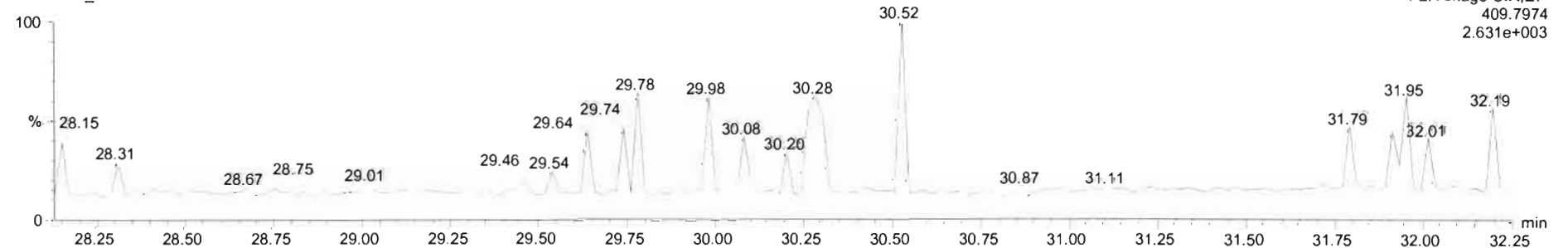


200129K1_15



DPE2

200129K1_15



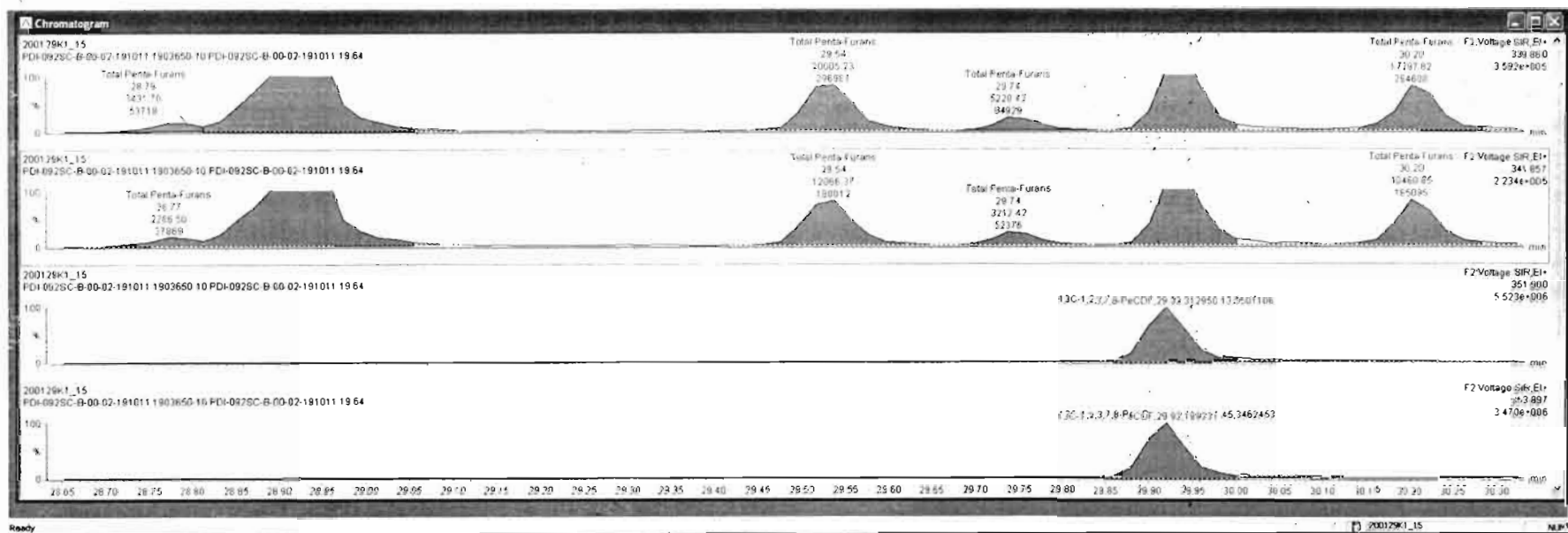
TargetLynx - 200129K1_15.qld

File Edit View Display Processing Window Help

200129K1_15 - 1903650-10 PDI-092SC-B-00-02-191011-15-64 - PDI-092SC-B-00-02-191011

Name	Resp	RA	nly	RRF	PredRT	RT	RRF	RRT	Conc	%Rec	EL	EMPC	wArea
43 Total Tetra-Furans				0.9700	27.61				107		0.304	110	10.030
44 Tot Func. Penta-Furans				0.9590	27.94				90.0		0.0909	93.0	16.030
45 Total Penta-Furans				0.9590	29.27				116		0.279	117	10.030

Name	PredRT	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc
1 Total Penta-Furans	29.27	29.79	3.432e3	2.267e3	1.50	NO	2.3535	2.3535
2 Total Penta-Furans	29.27	29.93	6.444e4	4.076e4	1.58	NO	43.299	43.299
3 Total Penta-Furans	29.27	29.54	2.001e4	1.207e4	1.66	NO	13.200	13.200
4 Total Penta-Furans	29.27	29.74	5.220e3	3.212e3	1.63	NO	3.4709	3.4709
5 1,2,3,7,8-PeCDF	29.94	29.94	2.387e4	1.787e4	1.62	NO	16.992	15.992
6 Total Penta-Furans	29.27	30.20	1.730e4	1.046e4	1.65	NO	11.425	11.425
7 Total Penta-Furans	29.27	30.83	7.539e2	5.477e2	1.39	NO	0.53978	0.53978
8 2,3,4,7,8-PeCDF	30.94	30.95	3.457e4	2.279e4	1.52	NO	22.739	22.739
9 Total Penta-Furans	29.27	31.85	1.327e3	1.113e3	1.19	YES	0.69870	0.00000



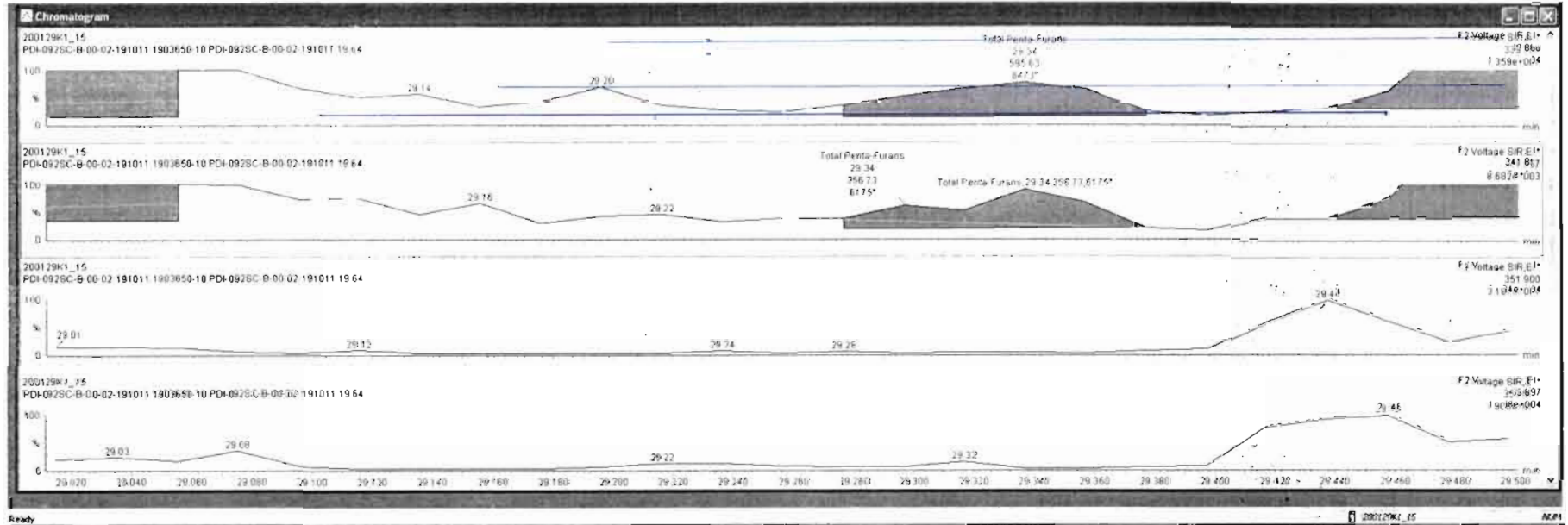
Target1.yms - 200129K1_15.qld

File Edit View Display Processing Window Help

200129K1_15 - 1903650-10 PDI-0925C-B-00-02-191011.19.64 - PDI-0925C-B-00-02-191011

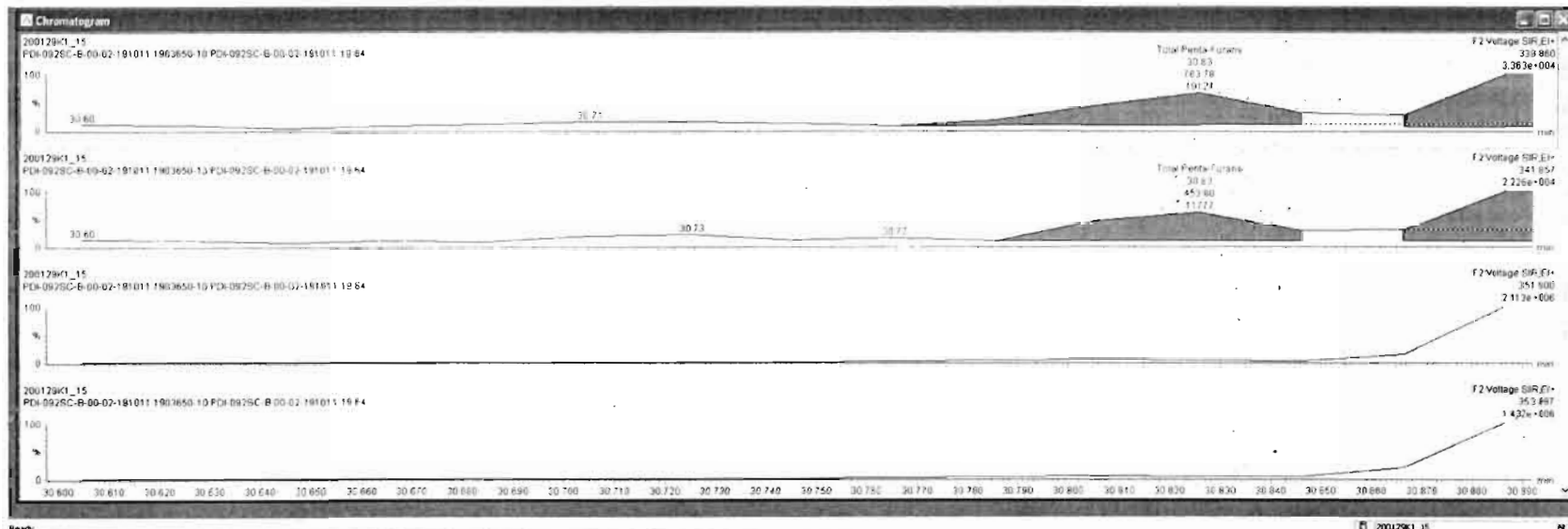
Name	Resp	RA	n/y	R/R	Pred RT	RT	R/R	RRT	Conc.	%Rec	DL	EMPC	width
43 Total Tetra-Furans				0.9700	23.61				107	0.304	110	10.030	
44 1st Func. Penta-Furans				0.9580	27.04				50.0	0.0769	80.0	10.030	
45 Total Penta-Furans				0.9880	29.27				116	0.279	117	10.030	
46 Total Mono-Furans				1.1434	39.44				174	0.464	174	10.030	

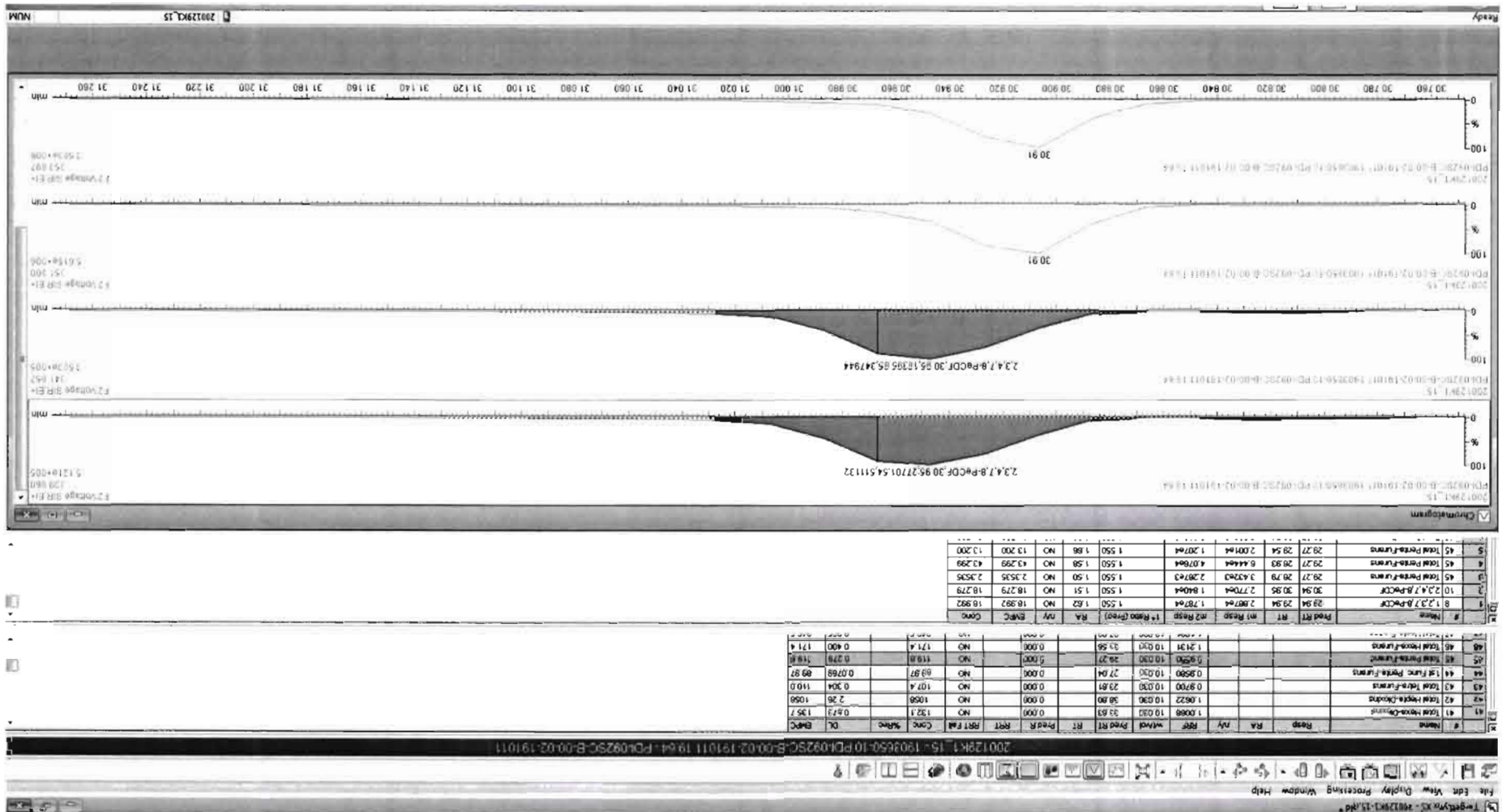
Name	Pred RT	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.27	29.79	3.432e3	2.263e3	1.50	NO	2.3521	2.3521
2 Total Penta-Furans	29.27	29.93	6.416e4	4.060e4	1.58	NO	43.116	43.116
3 Total Penta-Furans	29.27	29.34	5.515e2	2.874e2	1.92	YES	0.30166	0.00000
4 Total Penta-Furans	29.27	29.54	2.062e4	1.233e4	1.67	NO	13.561	13.561
5 Total Penta-Furans	29.27	29.74	5.220e3	3.165e3	1.65	NO	3.4514	3.4514
6 1,2,3,7,8-PeCDF	29.94	29.94	2.854e4	1.800e4	1.59	NO	18.911	18.911
7 Total Penta-Furans	29.27	30.20	1.896e4	1.116e4	1.66	NO	12.235	12.235
8 2,3,4,7,8-PeCDF	30.94	30.95	3.457e4	2.254e4	1.53	NO	22.644	22.644
9 Total Penta-Furans	29.27	31.85	1.327e3	1.113e3	1.19	YES	0.89070	0.00000



ID	Name	Resp	RA	rvy	RF	PredRT	RT	RRF	RRT	Conc	%Rec	EL	EMC	intVal
43	Total Penta-Furans				0.9790	23.07				107		0.304	116	10.030
44	Tri-Func. Penta-Furans				0.8580	27.34				90.0		0.0769	90.0	10.030
45	Total Penta-Furans				0.9560	29.27				116		0.279	117	10.030

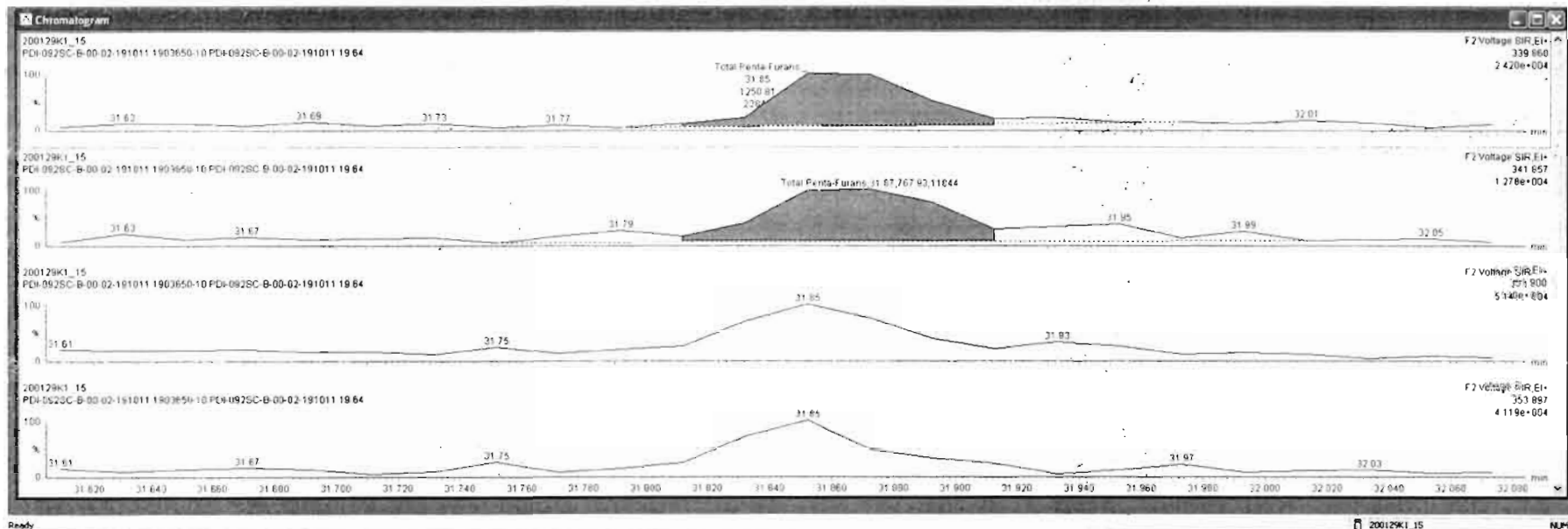
ID	Name	PredRT	RT	ret Resp	ms2 Resp	RA	rvy	EMC	Conc
1	Total Penta-Furans	29.27	29.79	3.42e3	2.207e3	1.58	NO	2.3515	2.3515
2	Total Penta-Furans	29.27	29.93	8.84e4	4.07e4	1.58	NO	43.299	43.299
3	Total Penta-Furans	29.27	29.54	3.091e4	1.307e4	1.58	NO	13.200	13.200
4	Total Penta-Furans	29.27	29.74	5.22e3	3.21e3	1.63	NO	3.4709	3.4709
5	1,2,3,7-B-PeCDF	29.84	29.94	2.867e4	1.707e4	1.82	NO	18.982	18.982
6	Total Penta-Furans	29.27	30.20	1.730e4	1.046e4	1.65	NO	11.425	11.425
7	Total Penta-Furans	29.27	30.83	7.63e2	4.53e2	1.58	NO	0.50114	0.50114
8	2,3,4,7-B-PeCDF	30.84	30.95	3.457e4	2.296e4	1.51	NO	22.610	22.610
9	Total Penta-Furans	29.27	31.85	1.327e3	1.113e3	1.19	YES	0.68870	0.68870





Name	Resp	RA	nA	RNF	Proc RT	RT	RNF	RRR	Conc	%Rec	Lx	EMC	wt/vol
43 Total Tetra-Furans				0.9700	23.61				102	0.304	110	10.030	
44 1st Func. Penta-Furans				0.9580	27.04				80.0	0.0769	80.0	10.030	
45 Total Penta-Furans				0.9580	29.27				117	0.279	117	10.030	
46 Total Hexa-Furans				1.1474	53.62				174	0.279	174	10.030	

Name	Pred RT	RT	wt Resp	NO Resp	RA	nA	EMC	Conc
1 Total Penta-Furans	29.27	29.79	5.433e3	2.207e3	1.50	NO	2.3535	2.3535
2 Total Penta-Furans	29.27	29.83	6.444e4	4.076e4	1.58	NO	43.299	43.299
3 Total Penta-Furans	29.27	29.54	2.001e4	1.207e4	1.66	NO	13.200	13.200
4 Total Penta-Furans	29.27	29.74	5.226e3	3.212e3	1.63	NO	3.4709	3.4709
5 1,2,3,7,8-PeCDF	29.94	29.94	2.807e4	1.787e4	1.62	NO	18.892	18.892
6 Total Penta-Furans	29.27	30.20	1.739e4	1.046e4	1.65	NO	11.425	11.425
7 Total Penta-Furans	29.27	30.83	7.639e2	4.530e2	1.68	NO	0.50114	0.50114
8 2,3,4,7,8-PeCDF	30.94	30.95	3.457e4	2.296e4	1.51	NO	22.810	22.810
9 Total Penta-Furans	29.27	31.85	1.251e3	7.679e2	1.63	NO	0.63089	0.63089



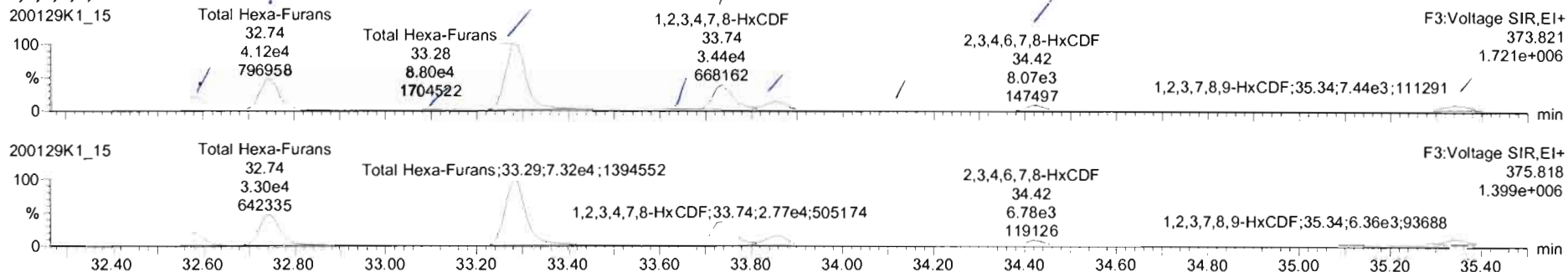
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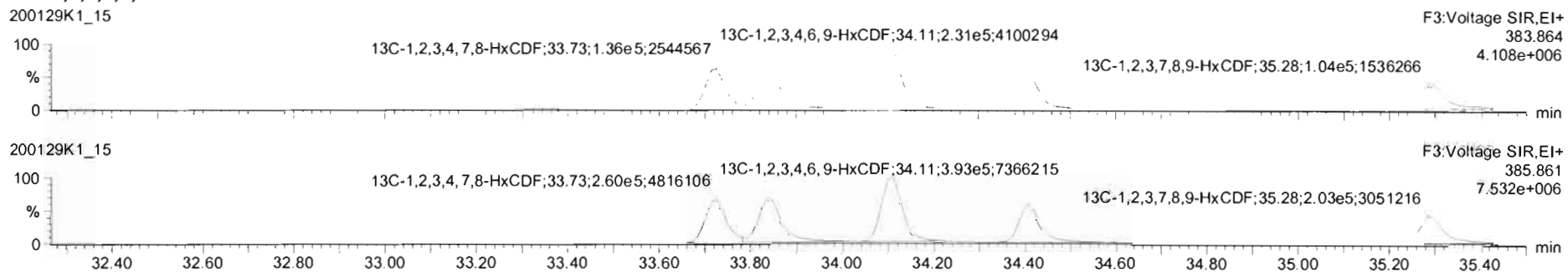
Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_15, Date: 30-Jan-2020, Time: 02:29:25, ID: 1903650-10 PDI-092SC-B-00-02-191011 19.64, Description: PDI-092SC-B-00-02-191011

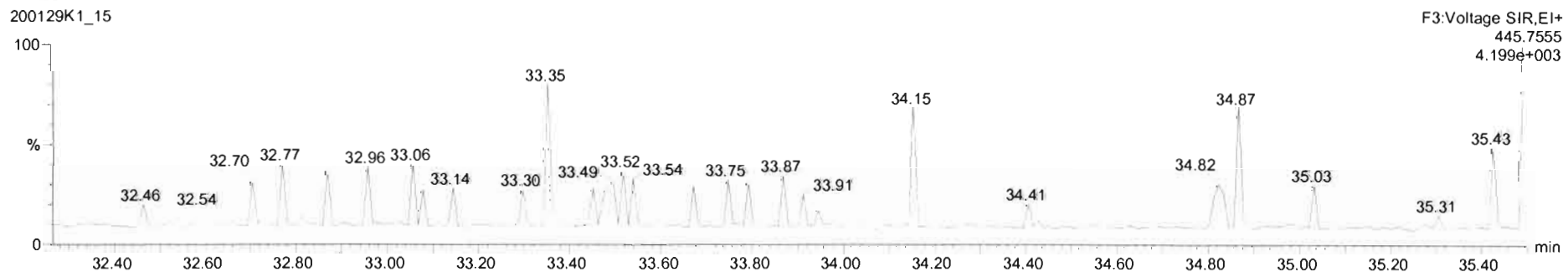
1,2,3,4,7,8-HxCDF



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

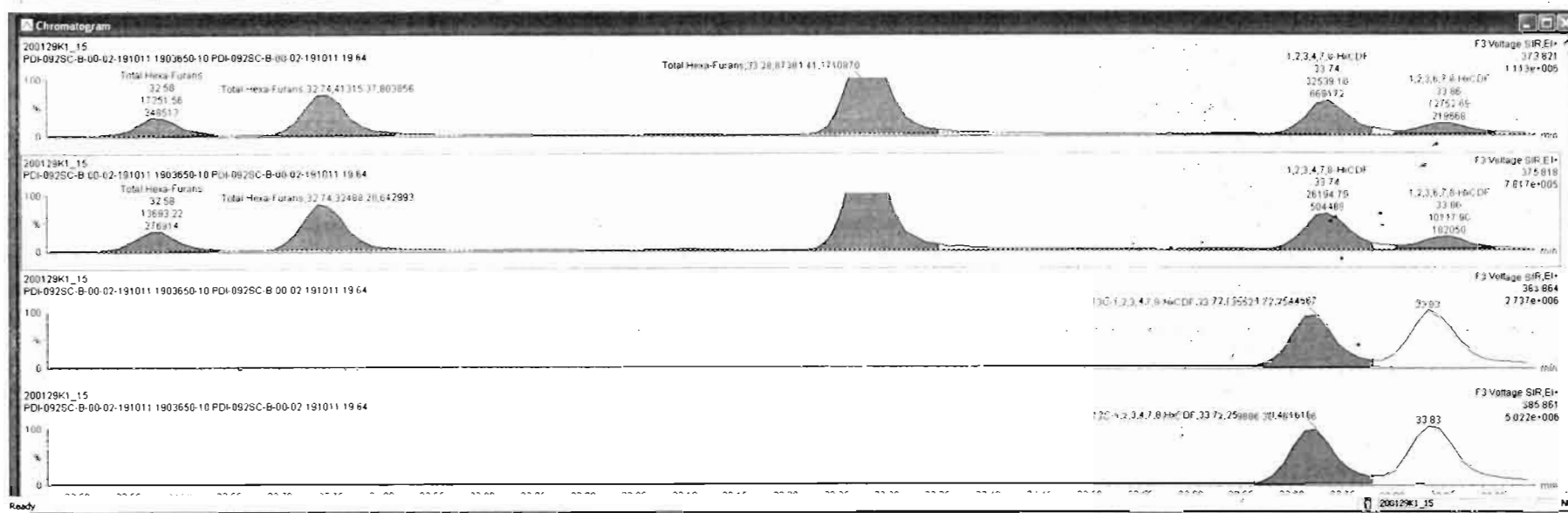


DPE3



Name	Resp	RA	ivY	RRF	PredRT	RT	RRF	FRT	Conc.	%Rec	DL	EMPC	MS/MS
44 1st Func. Penta-Furans				0.9580	27.04				80.0		0.0769	90.0	10.030
45 Total Penta-Furans				0.9580	29.27				117		0.279	117	10.030
46 Total Hexa-Furans				1.2131	33.56				171		0.400	171	10.030
47 Total Hexa-Furans				1.1891	37.83				256		0.858	256	10.035
48 PPK1													
49													

Name	PredRT	RT	m1 Resp	m2 Resp	RA	ivY	EMPC	Conc.
1 Total Hexa-Furans	33.56	32.58	1.725e4	1.369e4	1.26	NO	14.378	14.378
2 Total Hexa-Furans	33.56	32.74	4.132e4	3.249e4	1.27	NO	34.291	34.291
3 Total Hexa-Furans	33.56	33.10	8.477e2	7.741e2	1.10	NO	0.75349	0.75349
4 Total Hexa-Furans	33.56	33.26	8.738e4	6.924e4	1.26	NO	72.769	72.769
5 Total Hexa-Furans	33.56	33.63	1.300e3	1.067e3	1.22	NO	1.0996	1.0996
6 1,2,3,4,7,8-HxCDF	33.72	33.74	3.254e4	2.619e4	1.24	NO	25.464	25.464
7 1,2,3,6,7,8-HxCDF	33.85	33.86	1.275e4	1.012e4	1.26	NO	9.7980	9.7980
8 Total Hexa-Furans	33.56	34.11	1.249e3	9.835e2	1.27	NO	1.0374	1.0374
9 2,3,6,7,8-HxCDF	34.44	34.42	8.054e3	6.083e3	1.32	NO	6.7397	6.7397
10 1,2,3,7,8-HxCDF	35.26	35.34	4.288e3	3.410e3	1.26	NO	5.0510	5.0510



Target1.yms - 200129K1_15.qld

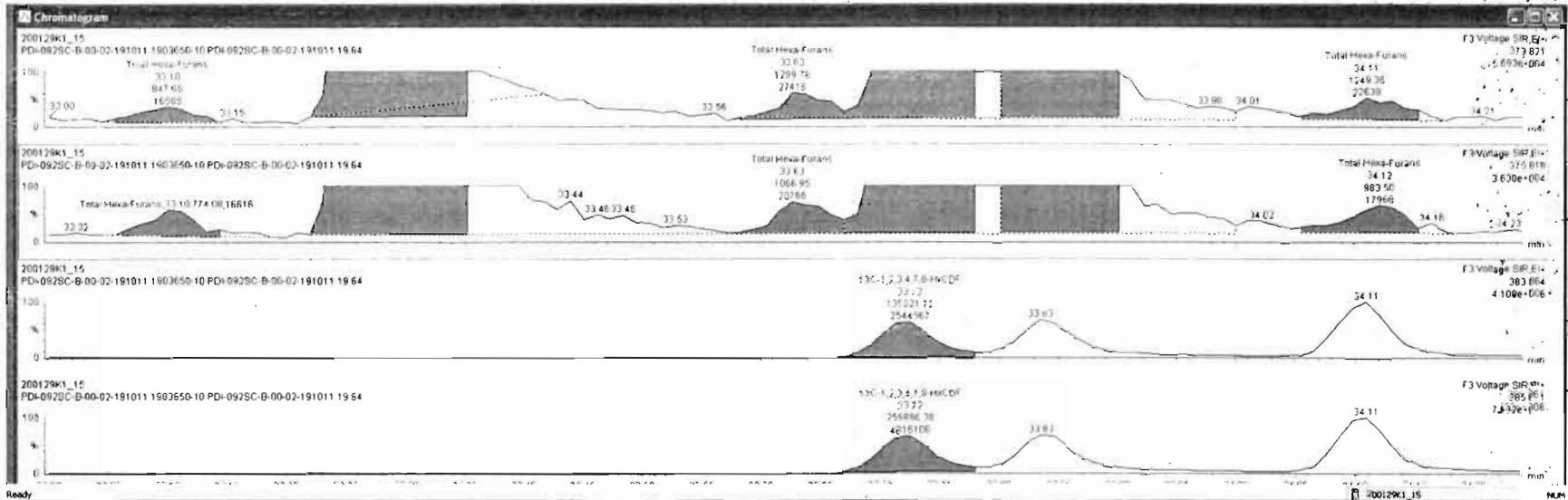
File Edit View Display Processing Window Help



200129K1_15-1903650-10 PDI-092SC-B-00-02-191011 19 64 - PDI-092SC-B-00-02-191011

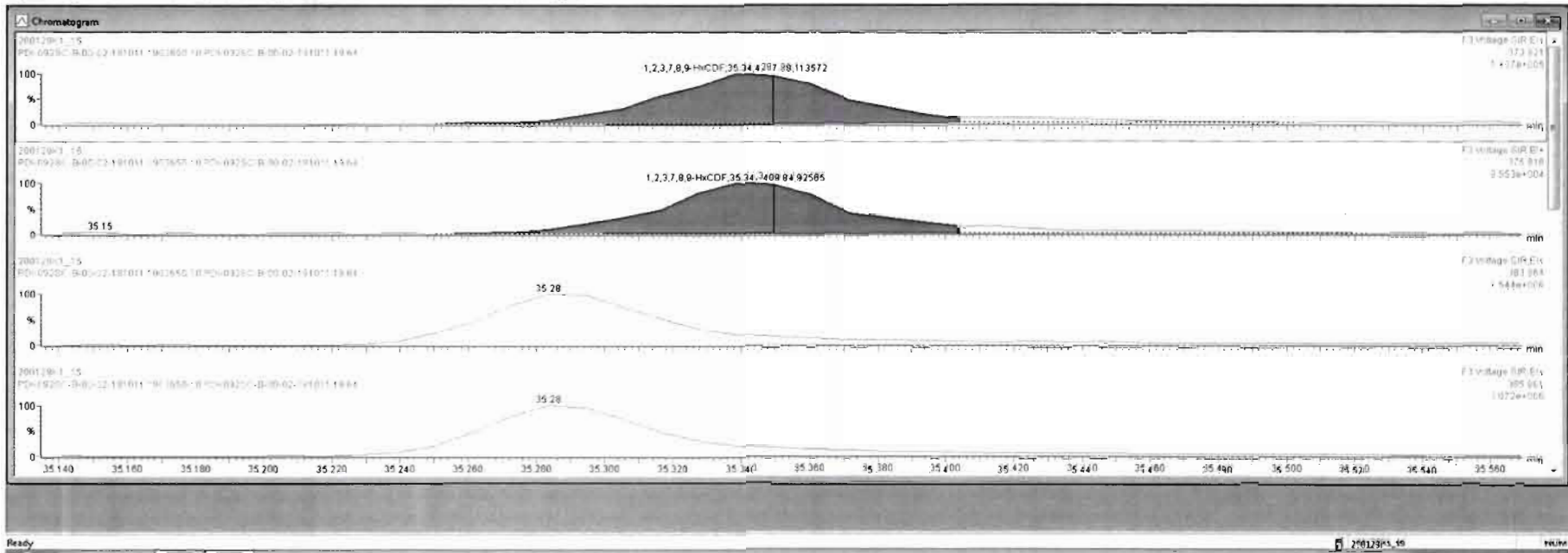
Name	Resp	RA	obj	RNF	Preid RT	RT	RRF	RRT	Conc	%Rec	DL	EMPC	wtWet
44 1st Func: Furan-Furans				0.9500	27.04				90.0		6.0769	90.0	10.000
45 Total Furan-Furans				0.9500	29.27				117		0.279	117	10.000
46 Total Hexa-Furans				1.2131	33.56				171		0.400	171	10.000
47 Total Hepta-Furans				1.1091	37.83				255		0.856	255	10.000
48 PK1													
49 Return													

Name	Preid RT	RT	MS Resp	MS Range	RA	obj	EMPC	Conc
1 Total Hexa-Furans	33.56	32.68	1.725e4	1.26	NO	14.378	14.179	
2 Total Hexa-Furans	33.56	32.74	4.132e4	1.27	NO	34.201	34.201	
3 Total Hexa-Furans	33.56	33.10	8.477e2	7.74e2	1.10	NO	0.75349	0.75349
4 Total Hexa-Furans	33.56	33.26	8.736e4	8.924e4	1.26	NO	72.765	72.765
5 Total Hexa-Furans	33.56	33.63	1.300e3	1.067e3	1.22	NO	1.0996	1.0996
6 1,2,3,4,7,8-HxCDF	33.72	33.74	3.254e4	2.619e4	1.24	NO	25.464	25.464
7 1,2,3,6,7,8-HxCDF	33.85	33.86	1.275e4	1.012e4	1.26	NO	9.7980	9.7980
8 Total Hexa-Furans	33.56	34.11	1.249e3	9.035e2	1.27	NO	1.0374	1.0374
9 2,3,4,6,7,8-HxCDF	34.44	34.42	6.054e3	6.083e3	1.32	NO	6.7387	6.7387
10 1,2,3,7,8,9-HxCDF	35.26	35.34	4.289e3	3.410e3	1.26	NO	5.0510	5.0510



#	Name	Resp	RA	n/y	RPF	wt/vol	Pred RT	RT	Pred R	RRT	RRT Fat	Conc	%Rec	DL	EMPC
46	Total Hexa-Furans				1.2131	10.030	33.56		0.000		NO	173.9	0.400	173.9	
47	Total Hepta-Furans				1.1891	10.030	37.83		0.000		NO	246.5	0.855	246.5	
48	PFK1														
49	PFK2														
50	PFK3														
51	PFK4														

#	Name	Pred RT	RT	m1 Resp	m2 Resp	S ² Ratio (Pred)	RA	n/y	EMPC	Conc.
1	1,2,3,4,7,8-HxCDF	33.72	33.74	3.254e4	2.819e4	1.240	1.24	NO	25.464	25.464
2	1,2,3,6,7,8-HxCDF	33.85	33.88	1.275e4	1.012e4	1.240	1.26	NO	9.7980	9.7980
3	1,2,3,6,7,8-HxCDF	34.44	34.42	8.054e3	8.093e3	1.240	1.32	NO	6.7387	6.7387
4	1,2,3,7,8-HxCDF	35.28	35.34	4.289e3	3.410e3	1.240	1.26	NO	5.0510	5.0510
5	Total Hexa-Furans	33.56	32.58	1.725e4	1.369e4	1.240	1.26	NO	14.378	14.378



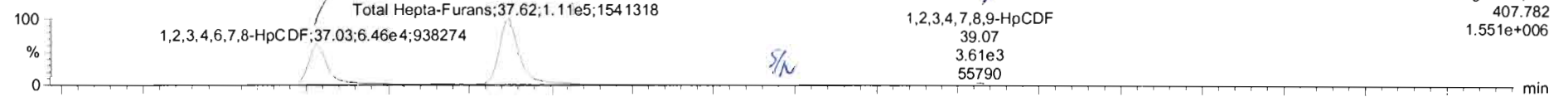
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Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

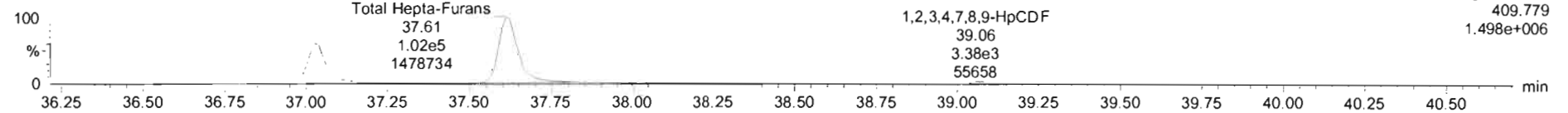
Name: 200129K1_15, Date: 30-Jan-2020, Time: 02:29:25, ID: 1903650-10 PDI-092SC-B-00-02-191011 19.64, Description: PDI-092SC-B-00-02-191011

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

200129K1_15

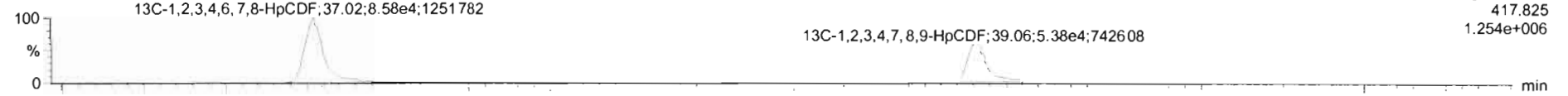


200129K1_15

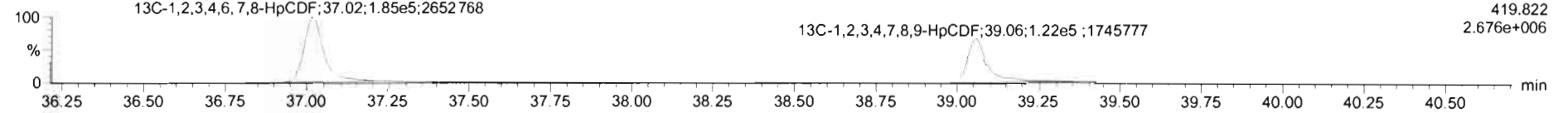


13C-1,2,3,4,6,7,8-HpCDF

200129K1_15

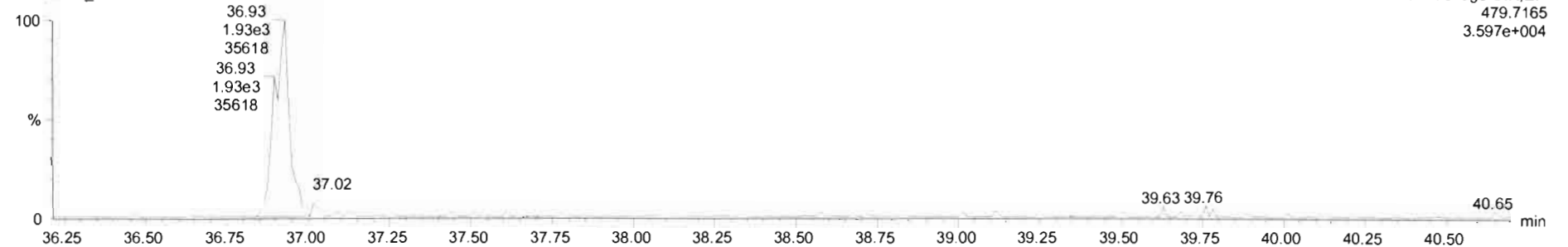


200129K1_15



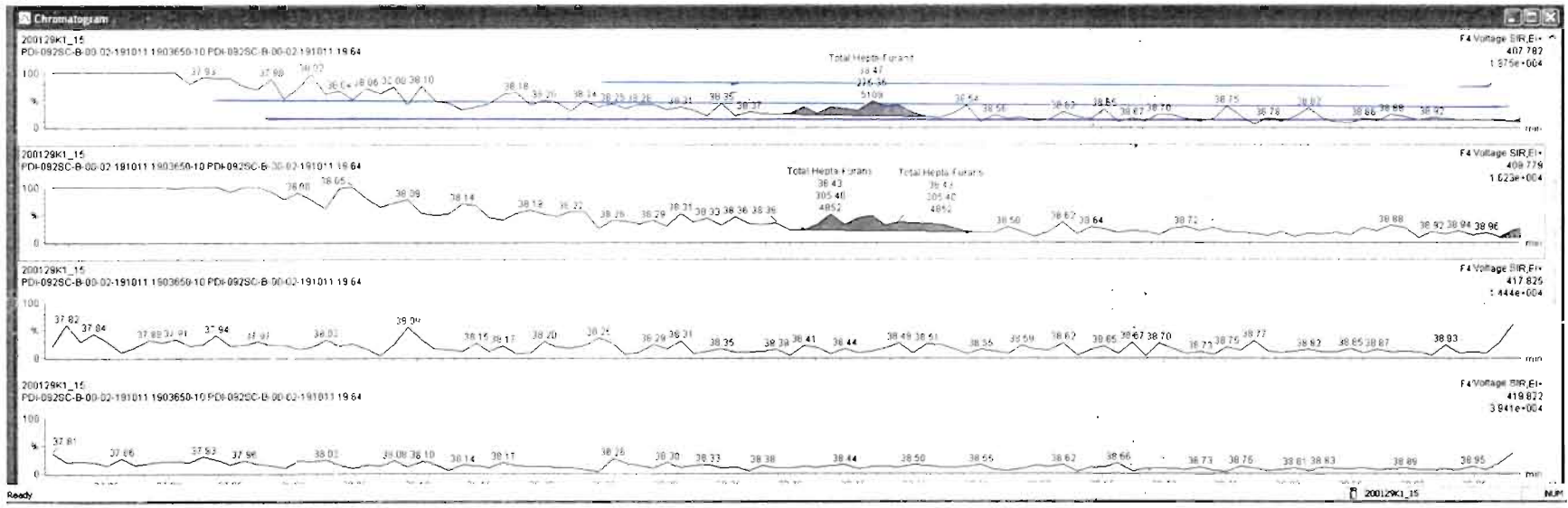
DPE4

200129K1_15



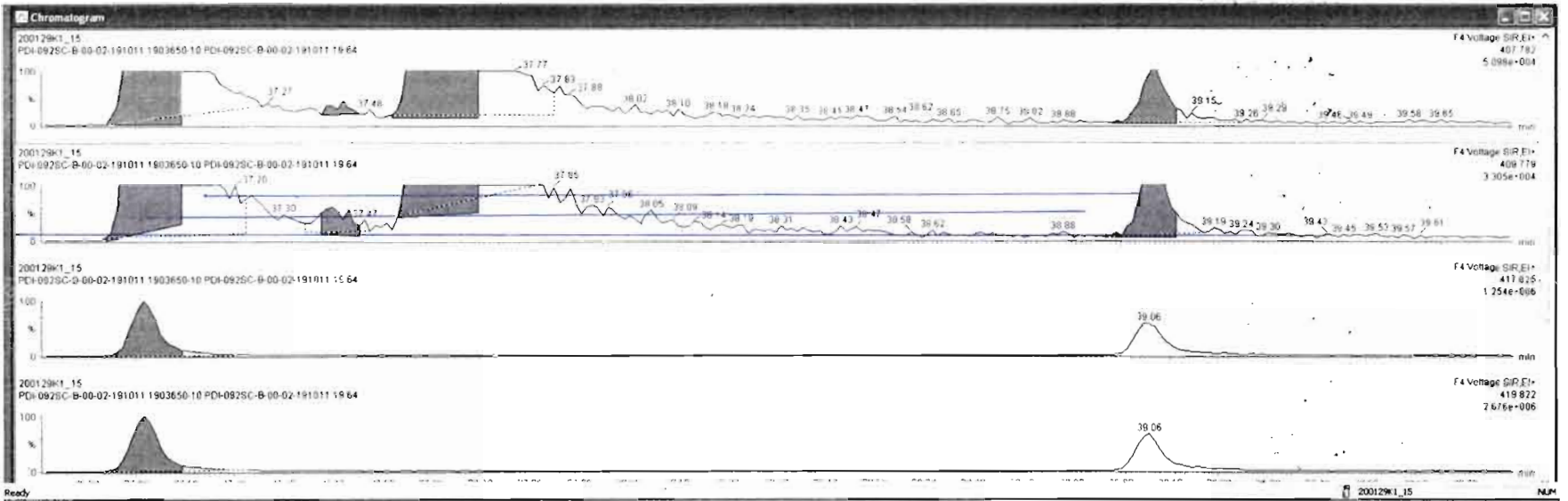
Name	Resp	RA	nly	RRF	Pred RT	RT	RRF	RRT	Conc	%Rec	DL	EMPC	wtVol
44 1st Furan: Penta-Furans				0.9580	27.04				00.0		0.0769	90.0	10.030
45 Total Penta-Furans				0.9580	29.27				117		0.279	117	10.030
46 Total Hepta-Furans				1.2131	33.56				171		0.400	171	10.030
47 Total Hepta-Furans				1.3891	37.83				246		0.658	247	10.030

Name	Pred RT	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc
1 1,2,3,4,6,7,8-HxCDF	37.05	37.03	5.949e4	5.663e4	1.03	NO	75.134	75.134
2 Total Hepta-Furans	37.83	37.42	4.813e2	8.732e2	0.45	YES	0.77102	0.00060
3 Total Hepta-Furans	37.83	37.62	1.031e5	9.821e4	1.05	NO	164.40	104.40
4 Total Hepta-Furans	37.83	38.47	2.753e2	3.054e2	0.90	NO	0.47424	0.47424
5 1,2,3,4,7,8,9-HxCDF	38.06	38.07	3.053e3	3.219e3	0.95	NO	5.8620	5.8620



Name	Resp	RA	nly	RF	Pred RT	RT	RF	RFI	Conc	RFac	DL	EMC	intval
44 1st Func. Penta-Furanic				0.9590	27.04				30.0	0.0769	30.0	10.030	
45 Total Penta-Furanic				0.9590	29.27				117	0.279	117	10.030	
46 Total Hexa-Furanic				1.2131	33.56				171	0.400	171	10.030	
47 Total Hepta-Furanic				1.1891	37.83				245	0.658	245	10.030	
48 PPH1													
49													

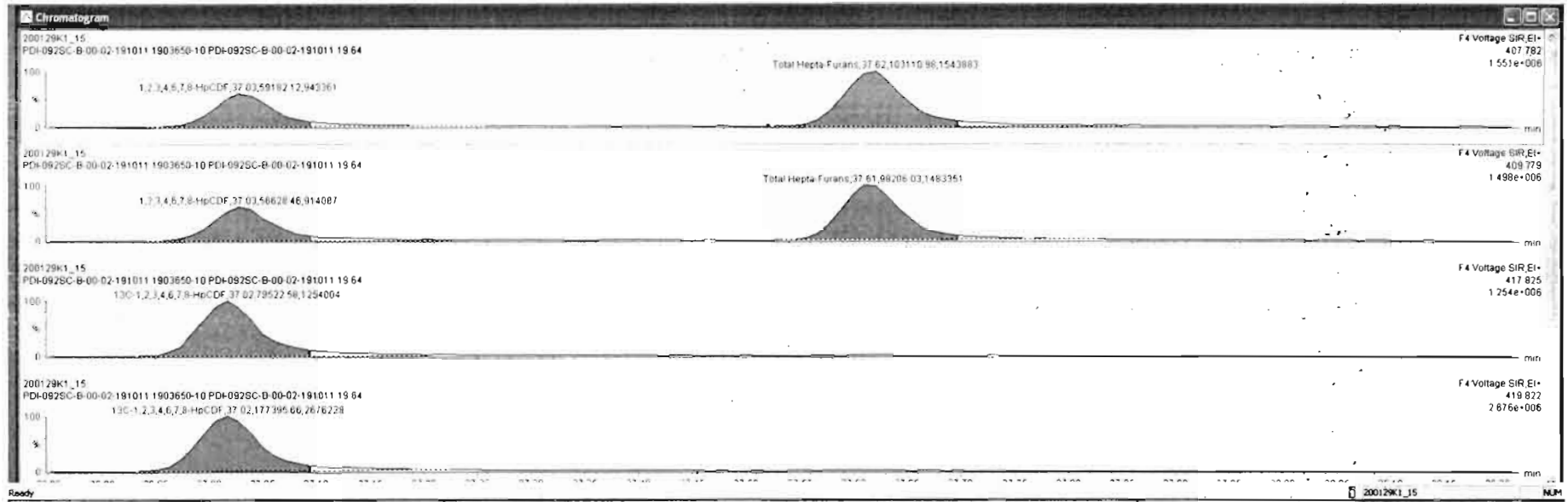
Name	Pred RT	RT	m1 Resp	m2 Resp	RA	nly	EMC	Conc.
1 1,2,3,4,5,7,8-HeCDF	37.05	37.03	5.94364	5.66364	1.03	NO	75.134	75.134
2 Total Hepta-Furanic	37.83	37.82	4.01362	0.73262	0.40	YES	0.77102	0.00090
3 Total Hexa-Furanic	37.83	37.82	1.031e5	9.821e4	1.05	NO	164.40	164.40
4 1,2,3,4,7,8-HeCDF	39.06	39.07	3.053e3	3.219e3	0.96	NO	5.8520	5.8520



200129K1_15 - 1903650-10 PDI-0925C-B-00-02-191011 19.64 - FDI-0925C-B-00-02-191011

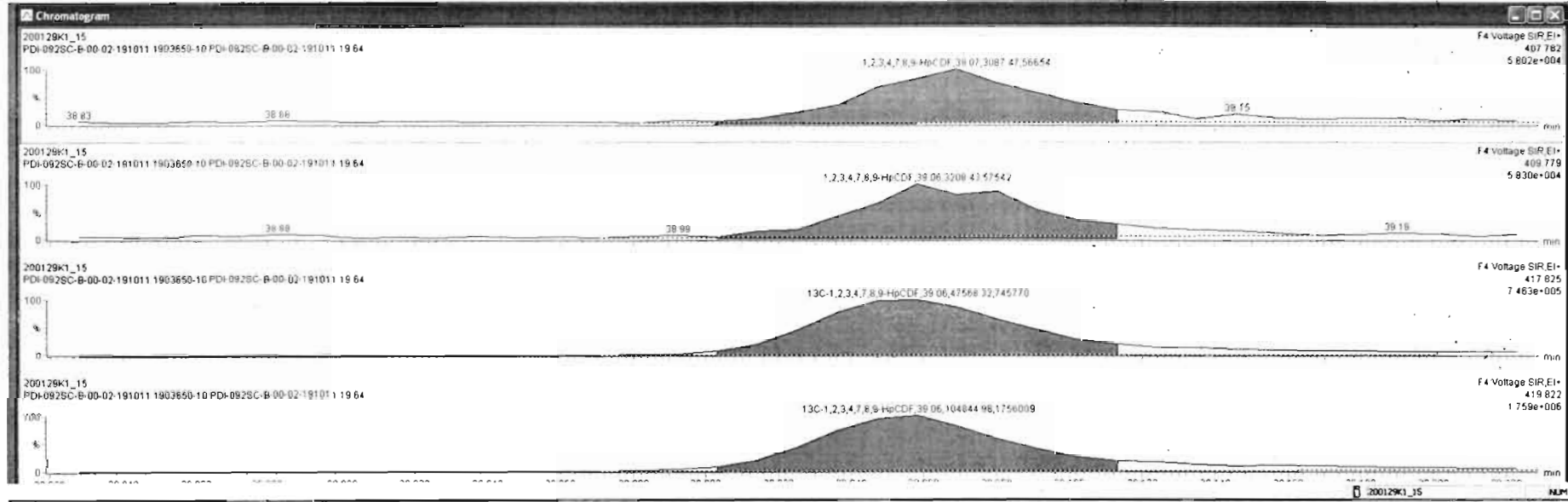
Name	Resp	RA	n/y	RF	Pred RT	RT	RF	RRT	Conc.	%Rec.	DL	BAPC	width
44 1,3 Furans, Penta-Furans				0.9580	27.04				90.0	0.0769	90.0	10.030	
45 Total Penta-Furans				0.9580	29.27				117	0.279	117	10.030	
46 Total Hexa-Furans				1.2131	33.56				171	0.400	171	10.030	
47 Total Hepta-Furans				1.1891	37.83				246	0.859	246	10.030	
48 PK1													

Name	Pred RT	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,4,6,7,8-HpCDF	37.05	37.03	5.918e4	5.663e4	1.05	NO	75.589	75.589
2 Total Hepta-Furans	37.83	37.62	1.031e5	9.821e4	1.05	NO	164.40	164.40
3 1,2,3,4,7,8,9-HpCDF	39.96	39.07	3.053e3	3.219e3	0.95	NO	5.8520	5.8520



Name	Resp	RA	n/y	RRT	Pred RT	RT	RRF	RRT	Conc	%Rec	DL	EMPC	wtAvail
16 1,2,3,4,7,8,9-HpCDF	8.30e3	0.96	NO	1.2696	39.06	39.07	0.000	1.000	5.93		0.996	5.93	10.030
17 OCDF	1.12e5	0.87	NO	1.0614	41.86	41.86	0.000	1.001	113		0.671	112	10.030
18 13C-2,3,7,8-TCDF	4.75e5	0.77	NO	1.1733	26.05	26.05	0.834	1.027	142	21.1	0.331		10.030
19 13C-1,2,3,7,8-PeCDD	3.20e5	0.63	NO	0.7731	31.23	31.23	0.563	1.232	145	72.8	0.343		10.030
20 13C-1,2,3,4,7,8-HxCDD	2.12e5	1.26	NO	0.5989	34.58	34.58	0.354	1.014	118	59.0	0.799		10.030

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

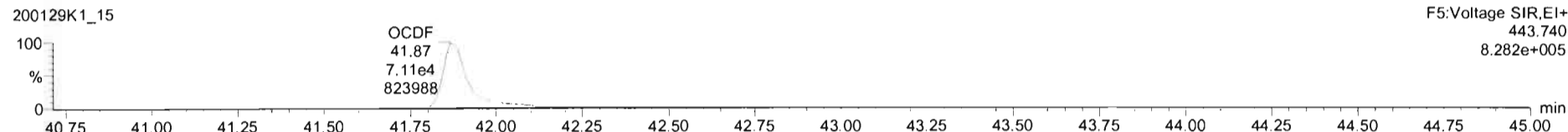
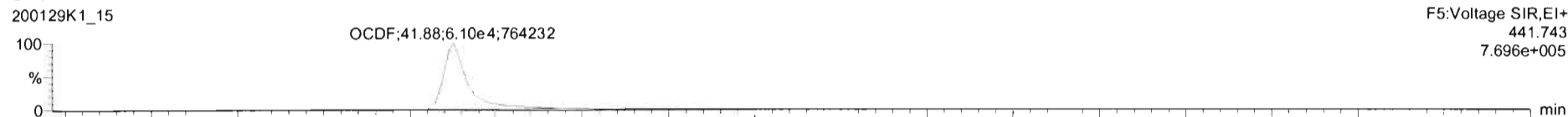


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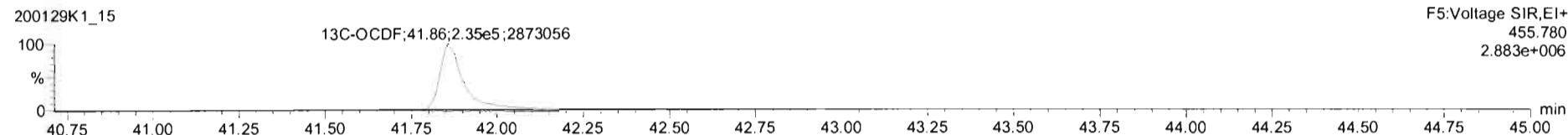
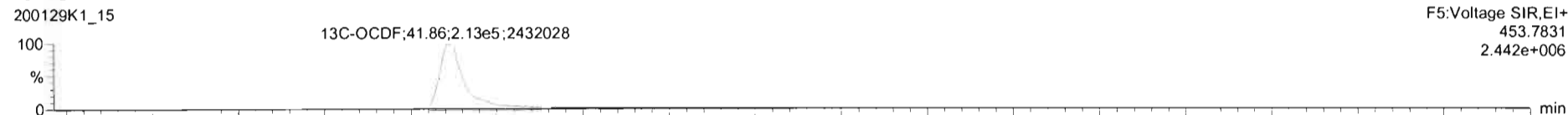
Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time
Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_15, Date: 30-Jan-2020, Time: 02:29:25, ID: 1903650-10 PDI-092SC-B-00-02-191011 19.64, Description: PDI-092SC-B-00-02-191011

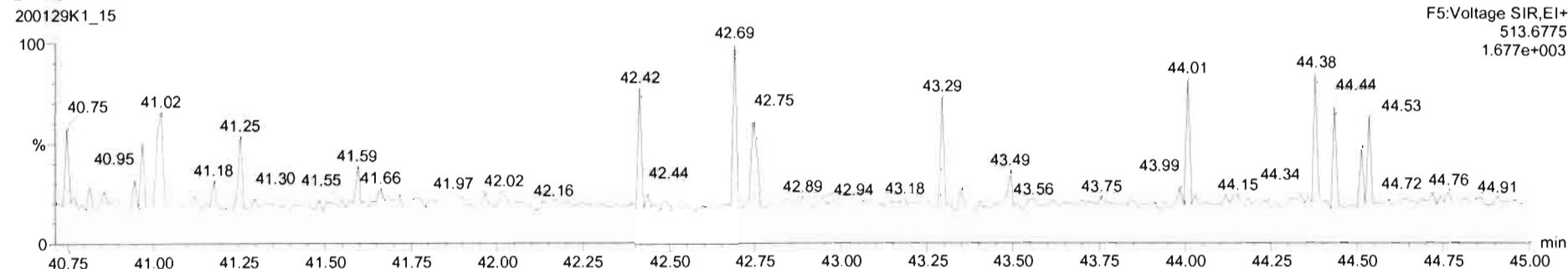
OCDF



13C-OCDF



DPE5



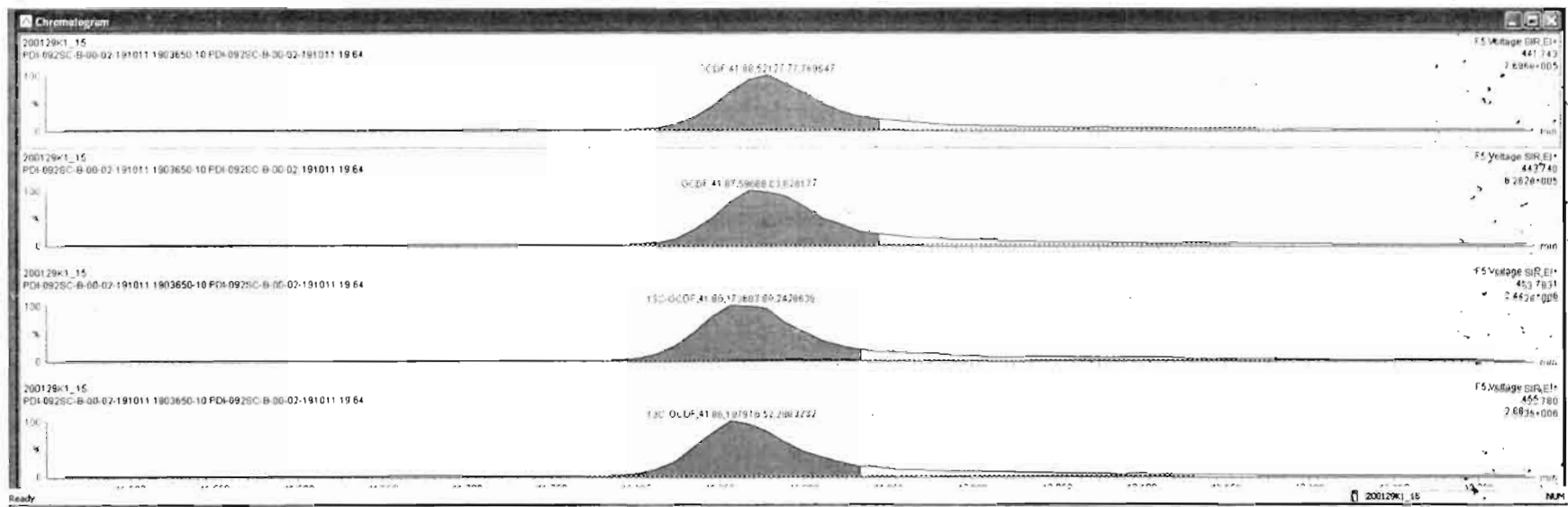
Targetlynx - 200129K1_15.qld

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200129K1_15 - 1903650-10 PDI-0925C-B-00-02-191011 19.64 - PDI-0925C-B-00-02-191011

Name	Resp	RA	nly	RRF	Pred RT	RT	RRF	RRF	Conc	Area	DL	EMPC	uArea
16	1,2,3,4,7,8,9-HxCDF	6.39e3	0.96	NO	1.3896	39.06	39.07	0.000	1.000	5.93		0.986	5.93
17	OCDF	1.12e5	0.67	NO	1.0614	41.86	41.88	0.000	1.001	113		0.671	113
18	13C-2,3,7,8-14CDD	4.29e5	0.77	NO	1.1733	26.05	26.05	0.834	1.027	142	71.1	0.331	10.000
19	13C-1,2,3,7,8-PeCDD	3.20e5	0.63	NO	0.7731	31.23	31.22	0.563	1.232	145	72.8	0.343	10.000
20	13C-1,2,3,4,7,8-HxCDD	2.12e5	1.26	NO	0.5889	34.58	34.58	0.354	1.014	116	58.0	0.790	10.000
21	1,2,3,4,7,8-HxCDF	5.40e4	1.33	NO	0.7634	34.68	34.68	0.411	1.013	113	48.7	0.434	10.000

Name	Pred RT	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc

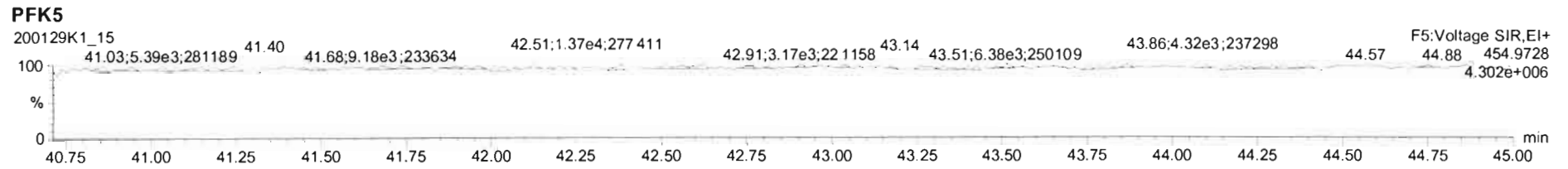
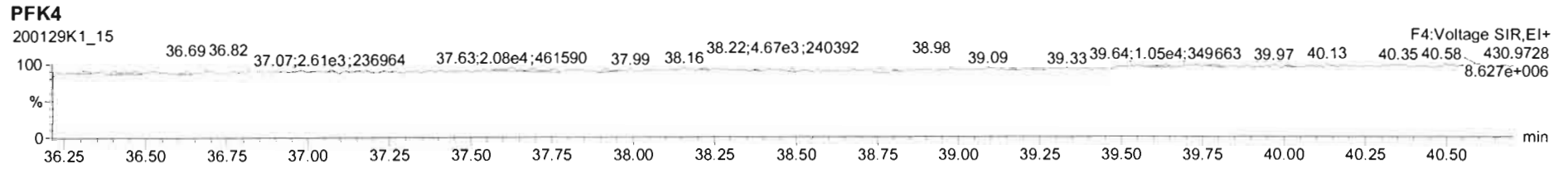
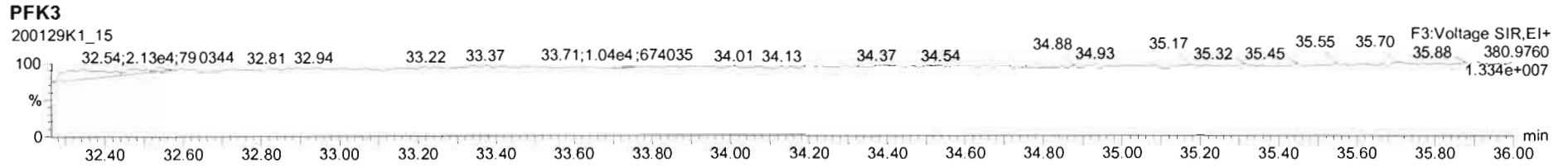
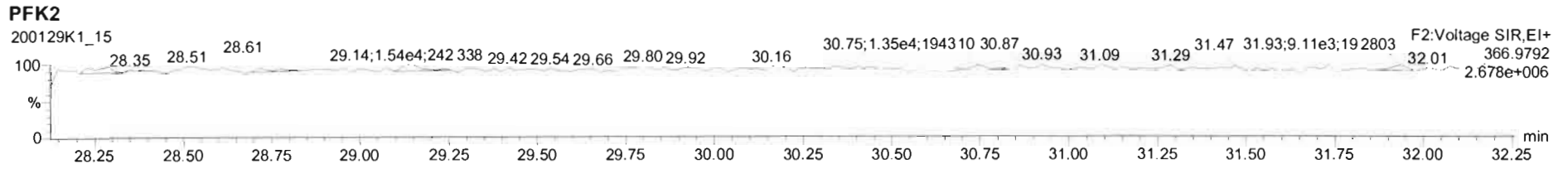
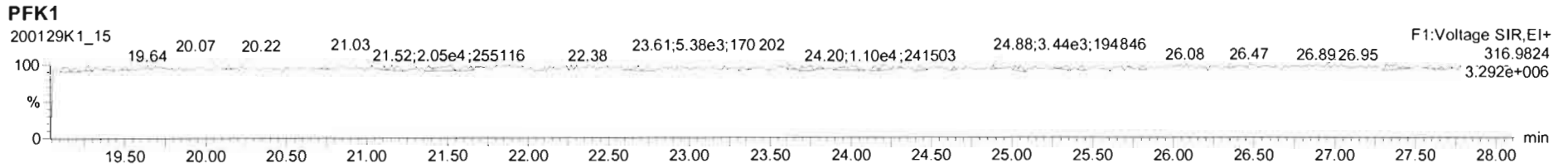


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Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time

Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_15, Date: 30-Jan-2020, Time: 02:29:25, ID: 1903650-10 PDI-092SC-B-00-02-191011 19.64, Description: PDI-092SC-B-00-02-191011



Dataset: U:\VG11.PRO\Results\200129K2\200129K2-7.qld

Last Altered: Tuesday, February 11, 2020 15:30:40 Pacific Standard Time

Printed: Tuesday, February 11, 2020 15:41:27 Pacific Standard Time

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Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K2_7, Date: 30-Jan-2020, Time: 08:14:21, ID: 1903650-11 PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	986.893	0.572	YES	0.943	10.008	26.09	26.08	1.00	1.00	NO	0.376		0.170	0.3244
2	2 1,2,3,7,8-PeCDD	2888.073	0.515	YES	0.897	10.008	31.25	31.25	1.00	1.00	NO	1.743		0.182	1.532
3	3 1,2,3,4,7,8-HxCDD	2577.031	1.273	NO	1.17	10.008	34.59	34.60	1.00	1.00	NO	1.993		0.884	1.993
4	4 1,2,3,6,7,8-HxCDD	37336.979	1.255	NO	1.01	10.008	34.69	34.70	1.00	1.00	NO	24.08		0.871	24.08
5	5 1,2,3,7,8,9-HxCDD	9552.561	1.389	NO	0.982	10.008	34.99	34.97	1.00	1.00	NO	7.764		1.16	7.764
6	6 1,2,3,4,6,7,8-HpCDD	1247084.1...	1.052	NO	1.06	10.008	38.44	38.45	1.00	1.00	NO	1288		4.63	1288
7	7 OCDD	11778271....	0.886	NO	1.04	10.008	41.69	41.70	1.00	1.00	NO	15040		6.21	15040
8	8 2,3,7,8-TCDF	4576.295	0.825	NO	0.970	10.008	25.09	25.11	1.00	1.00	NO	1.201	(1.02)	0.219	1.201
9	9 1,2,3,7,8-PeCDF	3950.407	1.535	NO	0.958	10.008	29.94	29.94	1.00	1.00	NO	1.376		0.242	1.376
10	10 2,3,4,7,8-PeCDF	11072.174	1.431	NO	1.01	10.008	30.95	30.95	1.00	1.00	NO	3.907		0.227	3.907
11	11 1,2,3,4,7,8-HxCDF	25852.833	1.268	NO	1.16	10.008	33.72	33.75	1.00	1.00	NO	10.63		0.533	10.63
12	12 1,2,3,6,7,8-HxCDF	40376.459	1.334	NO	1.14	10.008	33.86	33.86	1.00	1.00	NO	14.03		0.546	14.03
13	13 2,3,4,6,7,8-HxCDF	30002.442	1.277	NO	1.21	10.008	34.45	34.43	1.00	1.00	NO	13.43		0.627	13.43
14	14 1,2,3,7,8,9-HxCDF	205.103	1.891	YES	1.13	10.008	35.29	35.31	1.00	1.00	NO	0.1198		1.06	0.09277
15	15 1,2,3,4,6,7,8-HpCDF	1031623.5...	1.047	NO	1.19	10.008	37.05	37.04	1.00	1.00	NO	661.8		1.18	661.8
16	16 1,2,3,4,7,8,9-HpCDF	5376.577	0.943	NO	1.39	10.008	39.06	39.07	1.00	1.00	NO	4.825		1.56	4.825
17	17 OCDF	305777.156	0.889	NO	1.06	10.008	41.88	41.89	1.00	1.00	NO	317.8		1.87	317.8
18	18 13C-2,3,7,8-TCDD	539485.625	0.806	NO	1.17	10.008	26.05	26.06	1.03	1.03	NO	137.2	68.6	0.302	
19	19 13C-1,2,3,7,8-PeCDD	369054.891	0.630	NO	0.773	10.008	31.23	31.23	1.23	1.23	NO	142.4	71.3	0.439	
20	20 13C-1,2,3,4,7,8-HxCDD	221192.071	1.270	NO	0.600	10.008	34.58	34.58	1.01	1.01	NO	102.6	51.3	0.672	
21	21 13C-1,2,3,6,7,8-HxCDD	307746.438	1.257	NO	0.763	10.008	34.68	34.69	1.02	1.02	NO	112.2	56.1	0.529	
22	22 13C-1,2,3,7,8,9-HxCDD	250404.219	1.251	NO	0.676	10.008	34.95	34.95	1.02	1.02	NO	103.0	51.6	0.597	
23	23 13C-1,2,3,4,6,7,8-HpCDD	182115.953	1.022	NO	0.455	10.008	38.44	38.43	1.13	1.13	NO	111.3	55.7	0.681	
24	24 13C-OCDD	299843.282	0.904	NO	0.371	10.008	41.67	41.69	1.22	1.22	NO	224.6	56.2	1.12	
25	25 13C-2,3,7,8-TCDF	785082.469	0.789	NO	1.07	10.008	25.07	25.07	0.99	0.99	NO	118.5	59.3	0.305	
26	26 13C-1,2,3,7,8-PeCDF	598721.656	1.520	NO	0.765	10.008	29.92	29.92	1.18	1.18	NO	126.3	63.2	0.637	
27	27 13C-2,3,4,7,8-PeCDF	562245.172	1.551	NO	0.726	10.008	30.93	30.93	1.22	1.22	NO	124.9	62.5	0.672	
28	28 13C-1,2,3,4,7,8-HxCDF	417927.391	0.529	NO	0.965	10.008	33.72	33.72	0.99	0.99	NO	120.5	60.3	0.945	
29	29 13C-1,2,3,6,7,8-HxCDF	503165.812	0.554	NO	1.09	10.008	33.84	33.85	0.99	0.99	NO	128.0	64.0	0.834	
30	30 13C-2,3,4,6,7,8-HxCDF	368032.938	0.530	NO	0.984	10.008	34.41	34.42	1.01	1.01	NO	104.1	52.1	0.927	
31	31 13C-1,2,3,7,8,9-HxCDF	301586.657	0.557	NO	0.790	10.008	35.31	35.29	1.04	1.03	NO	106.1	53.1	1.15	

Dataset: U:\VG11.PRO\Results\200129K2\200129K2-7.qld

Last Altered: Tuesday, February 11, 2020 15:30:40 Pacific Standard Time

Printed: Tuesday, February 11, 2020 15:41:27 Pacific Standard Time

Name: 200129K2_7, Date: 30-Jan-2020, Time: 08:14:21, ID: 1903650-11 PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	261990.094	0.459	NO	0.734	10.008	37.02	37.02	1.09	1.09	NO	99.35	49.7	0.743	
33	33 13C-1,2,3,4,7,8,9-HpCDF	160257.406	0.424	NO	0.459	10.008	39.04	39.06	1.14	1.15	NO	97.17	48.6	1.19	
34	34 13C-OCDF	362370.750	0.947	NO	0.500	10.008	41.91	41.88	1.23	1.23	NO	201.5	50.4	0.807	
35	35 37Cl-2,3,7,8-TCDD	205273.125			1.12	10.008	26.07	26.09	1.03	1.03	NO	54.47	68.1	0.117	
36	36 13C-1,2,3,4-TCDD	669842.188	0.759	NO	1.00	10.008	25.36	25.36	1.00	1.00	NO	199.8	100	0.354	
37	37 13C-1,2,3,4-TCDF	1238418.9...	0.784	NO	1.00	10.008	23.43	23.43	1.00	1.00	NO	199.8	100	0.326	
38	38 13C-1,2,3,4,6,9-HxCDF	718453.360	0.545	NO	1.00	10.008	34.10	34.11	1.00	1.00	NO	199.8	100	0.912	
39	39 Total Tetra-Dioxins				0.943	10.008	24.62		0.00		NO	5.370		0.170	7.515
40	40 Total Penta-Dioxins				0.897	10.008	29.96		0.00		NO	28.02		0.182	33.70
41	41 Total Hexa-Dioxins				1.01	10.008	33.63		0.00		NO	386.6		1.00	386.6
42	42 Total Hepta-Dioxins				1.06	10.008	38.80		0.00		NO	3096		4.63	3096
43	43 Total Tetra-Furans				0.970	10.008	23.61		0.00		NO	89.89		0.219	92.44
44	44 1st Func. Penta-Furans				0.958	10.008	27.04		0.00		NO	152.5		0.0820	152.5
45	45 Total Penta-Furans				0.958	10.008	29.27		0.00		NO	36.72		0.240	85.32
46	46 Total Hexa-Furans				1.21	10.008	33.56		0.00		NO	496.5		0.630	496.6
47	47 Total Hepta-Furans				1.19	10.008	37.83		0.00		NO	1362		1.43	1362

Dataset: U:\VG11.PRO\Results\200129K2\200129K2-7.qld

Last Altered: Tuesday, February 11, 2020 15:30:40 Pacific Standard Time
 Printed: Tuesday, February 11, 2020 15:38:57 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19
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Name: 200129K2_7, Date: 30-Jan-2020, Time: 08:14:21, ID: 1903650-11 PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011

Tetra-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	1 2,3,7,8-TCDD	9.87e2	5.39e5	0.572	YES	26.09	26.08	0.0000	0.3244
2	39 Total Tetra-Dioxins	1.44e3	5.39e5	0.787	NO	24.62	25.74	0.5658	0.5658
3	39 Total Tetra-Dioxins	1.10e3	5.39e5	0.716	NO	24.62	24.94	0.4332	0.4332
4	39 Total Tetra-Dioxins	0.00e0	5.39e5	1.020	YES	24.62	24.72	0.0000	0.1878
5	39 Total Tetra-Dioxins	0.00e0	5.39e5	1.024	YES	24.62	24.46	0.0000	0.2893
6	39 Total Tetra-Dioxins	2.48e3	5.39e5	0.699	NO	24.62	24.20	0.9744	0.9744
7	39 Total Tetra-Dioxins	1.12e3	5.39e5	0.797	NO	24.62	23.66	0.4414	0.4414
8	39 Total Tetra-Dioxins	0.00e0	5.39e5	0.970	YES	24.62	22.13	0.0000	0.8173
9	39 Total Tetra-Dioxins	4.19e3	5.39e5	0.777	NO	24.62	21.73	1.646	1.646
10	39 Total Tetra-Dioxins	7.85e2	5.39e5	0.717	NO	24.62	25.33	0.3085	0.3085
11	39 Total Tetra-Dioxins	2.55e3	5.39e5	0.795	NO	24.62	23.95	1.001	1.001
12	39 Total Tetra-Dioxins	0.00e0	5.39e5	0.441	YES	24.62	22.64	0.0000	0.2900
13	39 Total Tetra-Dioxins	0.00e0	5.39e5	0.983	YES	24.62	26.44	0.0000	0.2359

Dataset: U:\VG11.PRO\Results\200129K2\200129K2-7.qld

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Name: 200129K2_7, Date: 30-Jan-2020, Time: 08:14:21, ID: 1903650-11 PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011

Penta-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	40 Total Penta-Dioxins	2.56e3	3.69e5	0.621	NO	29.96	29.50	1.547	1.547
2	40 Total Penta-Dioxins	0.00e0	3.69e5	1.685	YES	29.96	29.14	0.0000	0.2141
3	40 Total Penta-Dioxins	2.40e4	3.69e5	0.610	NO	29.96	29.01	14.50	14.50
4	40 Total Penta-Dioxins	1.45e3	3.69e5	0.555	NO	29.96	31.63	0.8724	0.8724
5	2 1,2,3,7,8-PeCDD	2.89e3	3.69e5	0.515	YES	31.25	31.25	0.0000	1.532
6	40 Total Penta-Dioxins	0.00e0	3.69e5	0.797	YES	29.96	30.83	0.0000	0.5686
7	40 Total Penta-Dioxins	0.00e0	3.69e5	0.354	YES	29.96	30.46	0.0000	1.143
8	40 Total Penta-Dioxins	3.90e3	3.69e5	0.573	NO	29.96	30.26	2.355	2.355
9	40 Total Penta-Dioxins	5.51e3	3.69e5	0.570	NO	29.96	30.16	3.327	3.327
10	40 Total Penta-Dioxins	8.81e3	3.69e5	0.625	NO	29.96	30.00	5.318	5.318
11	40 Total Penta-Dioxins	0.00e0	3.69e5	0.473	YES	29.96	31.33	0.0000	0.6344
12	40 Total Penta-Dioxins	0.00e0	3.69e5	0.700	NO	29.96	30.50	0.0000	1.594
13	40 Total Penta-Dioxins	1.55e2	3.69e5	0.634	NO	29.96	29.34	0.09365	0.09365

Hexa-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	5 1,2,3,7,8,9-HxCDD	9.55e3	2.50e5	1.389	NO	34.99	34.97	7.764	7.764
2	41 Total Hexa-Dioxins	2.07e3	0.00e0	1.132	NO	33.63	34.88	1.584	1.584
3	4 1,2,3,6,7,8-HxCDD	3.73e4	3.08e5	1.255	NO	34.69	34.70	24.08	24.08
4	3 1,2,3,4,7,8-HxCDD	2.58e3	2.21e5	1.273	NO	34.59	34.60	1.993	1.993
5	41 Total Hexa-Dioxins	2.16e5	0.00e0	1.260	NO	33.63	33.93	165.2	165.2
6	41 Total Hexa-Dioxins	1.90e4	0.00e0	1.298	NO	33.63	33.68	14.52	14.52
7	41 Total Hexa-Dioxins	5.68e3	0.00e0	1.182	NO	33.63	33.33	4.338	4.338
8	41 Total Hexa-Dioxins	2.14e5	0.00e0	1.244	NO	33.63	33.13	163.9	163.9
9	41 Total Hexa-Dioxins	4.19e3	0.00e0	1.213	NO	33.63	34.12	3.204	3.204

Hepta-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	6 1,2,3,4,6,7,8-HpCDD	1.25e6	1.82e5	1.052	NO	38.44	38.45	1288	1288
2	42 Total Hepta-Dioxins	1.75e6	1.82e5	1.056	NO	38.80	37.42	1808	1808

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Name: 200129K2_7, Date: 30-Jan-2020, Time: 08:14:21, ID: 1903650-11 PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011

Tetra-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	43 Total Tetra-Furans	0.00e0	7.85e5	0.637	YES	23.61	24.04	0.0000	1.745
2	43 Total Tetra-Furans	4.55e4	7.85e5	0.756	NO	23.61	23.32	11.95	11.95
3	43 Total Tetra-Furans	4.79e3	7.85e5	0.857	NO	23.61	23.14	1.258	1.258
4	43 Total Tetra-Furans	6.38e2	7.85e5	0.728	NO	23.61	22.99	0.1675	0.1675
5	43 Total Tetra-Furans	3.22e3	7.85e5	0.748	NO	23.61	22.51	0.8462	0.8462
6	43 Total Tetra-Furans	0.00e0	7.85e5	1.187	YES	23.61	22.33	0.0000	0.2488
7	43 Total Tetra-Furans	4.90e4	7.85e5	0.749	NO	23.61	22.16	12.85	12.85
8	43 Total Tetra-Furans	3.82e4	7.85e5	0.783	NO	23.61	21.69	10.04	10.04
9	43 Total Tetra-Furans	5.24e3	7.85e5	0.749	NO	23.61	21.32	1.376	1.376
10	43 Total Tetra-Furans	7.74e3	7.85e5	0.844	NO	23.61	21.25	2.031	2.031
11	43 Total Tetra-Furans	1.00e5	7.85e5	0.770	NO	23.61	20.79	26.28	26.28
12	43 Total Tetra-Furans	1.44e4	7.85e5	0.697	NO	23.61	20.19	3.776	3.776
13	43 Total Tetra-Furans	4.04e3	7.85e5	0.706	NO	23.61	19.69	1.061	1.061
14	43 Total Tetra-Furans	1.38e4	7.85e5	0.781	NO	23.61	27.28	3.614	3.614
15	43 Total Tetra-Furans	1.26e4	7.85e5	0.759	NO	23.61	26.99	3.298	3.298
16	43 Total Tetra-Furans	1.04e4	7.85e5	0.771	NO	23.61	26.84	2.740	2.740
17	43 Total Tetra-Furans	1.63e3	7.85e5	0.842	NO	23.61	26.24	0.4285	0.4285
18	43 Total Tetra-Furans	8.05e2	7.85e5	0.708	NO	23.61	25.75	0.2113	0.2113
19	43 Total Tetra-Furans	3.05e3	7.85e5	0.755	NO	23.61	25.50	0.7991	0.7991
20	8 2,3,7,8-TCDF	4.58e3	7.85e5	0.825	NO	25.09	25.11	1.201	1.201
21	43 Total Tetra-Furans	4.94e3	7.85e5	0.778	NO	23.61	24.98	1.295	1.295
22	43 Total Tetra-Furans	2.15e3	7.85e5	0.781	NO	23.61	24.87	0.5645	0.5645
23	43 Total Tetra-Furans	0.00e0	7.85e5	0.942	YES	23.61	24.62	0.0000	0.5586
24	43 Total Tetra-Furans	2.18e3	7.85e5	0.871	NO	23.61	24.39	0.5712	0.5712
25	43 Total Tetra-Furans	1.35e4	7.85e5	0.863	NO	23.61	24.17	3.531	3.531

Penta-Furans function 1

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	44 1st Func. Penta-Fura...	4.24e5	0.00e0	1.579	NO	27.04	27.27	152.5	152.5

Dataset: U:\VG11.PRO\Results\200129K2\200129K2-7.qld

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Penta-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	9 1,2,3,7,8-PeCDF	3.95e3	5.99e5	1.535	NO	29.94	29.94	1.376	1.376
2	45 Total Penta-Furans	3.31e3	0.00e0	1.663	NO	29.27	29.76	1.189	1.189
3	45 Total Penta-Furans	4.59e4	0.00e0	1.547	NO	29.27	29.54	16.49	16.49
4	45 Total Penta-Furans	0.00e0	0.00e0	1.833	YES	29.27	29.34	0.0000	0.7747
5	45 Total Penta-Furans	0.00e0	0.00e0	1.661	NO	29.27	28.89	0.0000	7.222
6	45 Total Penta-Furans	9.19e3	0.00e0	1.501	NO	29.27	28.79	3.303	3.303
7	45 Total Penta-Furans	0.00e0	0.00e0	1.158	YES	29.27	31.81	0.0000	0.2511
8	10 2,3,4,7,8-PeCDF	1.11e4	5.62e5	1.431	NO	30.95	30.95	3.907	3.907
9	45 Total Penta-Furans	2.35e3	0.00e0	1.680	NO	29.27	30.85	0.8430	0.8430
10	45 Total Penta-Furans	1.09e3	0.00e0	1.409	NO	29.27	30.52	0.3931	0.3931
11	45 Total Penta-Furans	0.00e0	0.00e0	1.785	YES	29.27	30.44	0.0000	0.3483
12	45 Total Penta-Furans	1.23e4	0.00e0	1.626	NO	29.27	30.30	4.417	4.417
13	45 Total Penta-Furans	1.33e4	0.00e0	1.632	NO	29.27	30.22	4.796	4.796
14	45 Total Penta-Furans	0.00e0	0.00e0	1.653	NO	29.27	28.93	0.0000	29.79
15	45 Total Penta-Furans	0.00e0	0.00e0	1.498	NO	29.27	31.89	0.0000	0.2010
16	45 Total Penta-Furans	0.00e0	0.00e0	1.629	NO	29.27	30.97	0.0000	10.02

Hexa-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	46 Total Hexa-Furans	3.46e5	0.00e0	1.270	NO	33.56	32.75	143.4	143.4
2	46 Total Hexa-Furans	1.56e5	0.00e0	1.259	NO	33.56	32.58	64.44	64.44
3	14 1,2,3,7,8,9-HxCDF	2.05e2	3.02e5	1.891	YES	35.29	35.31	0.0000	0.09277
4	13 2,3,4,6,7,8-HxCDF	3.00e4	3.68e5	1.277	NO	34.45	34.43	13.43	13.43
5	12 1,2,3,6,7,8-HxCDF	4.04e4	5.03e5	1.334	NO	33.86	33.86	14.03	14.03
6	11 1,2,3,4,7,8-HxCDF	2.59e4	4.18e5	1.268	NO	33.72	33.75	10.63	10.63
7	46 Total Hexa-Furans	6.00e5	0.00e0	1.272	NO	33.56	33.29	248.4	248.4
8	46 Total Hexa-Furans	5.02e3	0.00e0	1.260	NO	33.56	35.35	2.079	2.079

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Hepta-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	15 1,2,3,4,6,7,8-HpCDF	1.03e6	2.62e5	1.047	NO	37.05	37.04	661.8	661.8
2	16 1,2,3,4,7,8,9-HpCDF	5.38e3	1.60e5	0.943	NO	39.06	39.07	4.825	4.825
3	47 Total Hepta-Furans	8.74e5	0.00e0	1.053	NO	37.83	37.62	695.7	695.7

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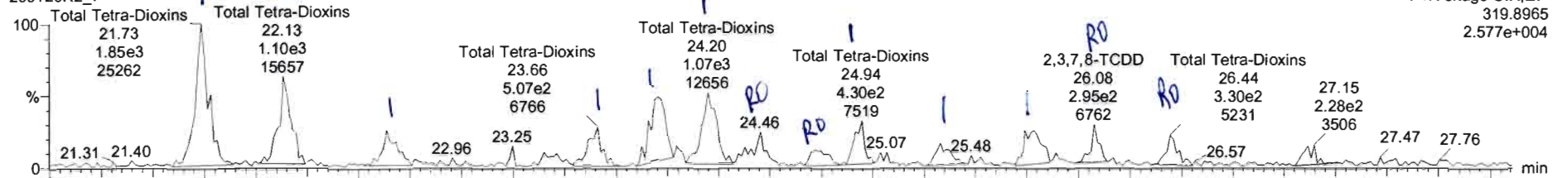
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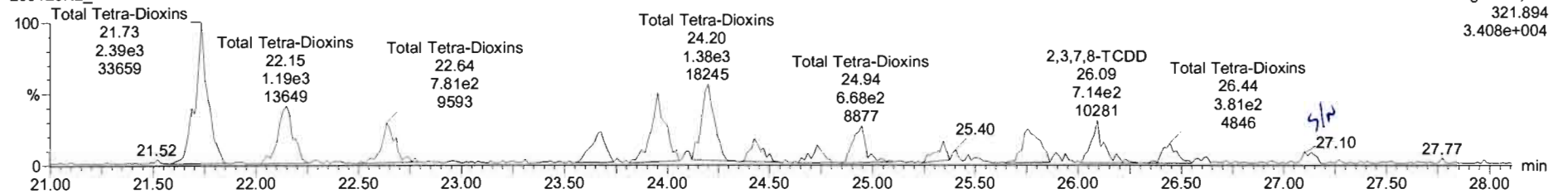
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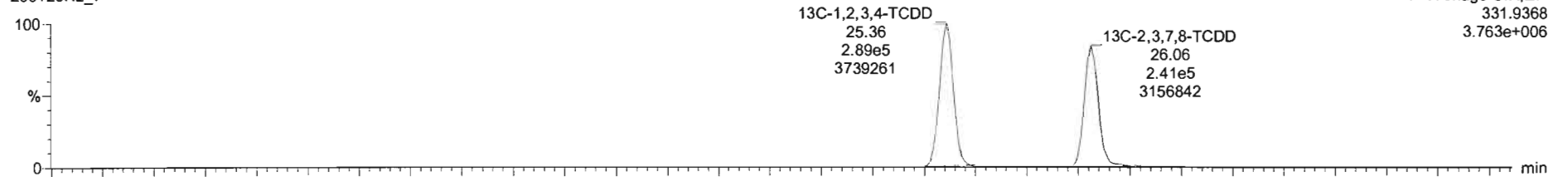


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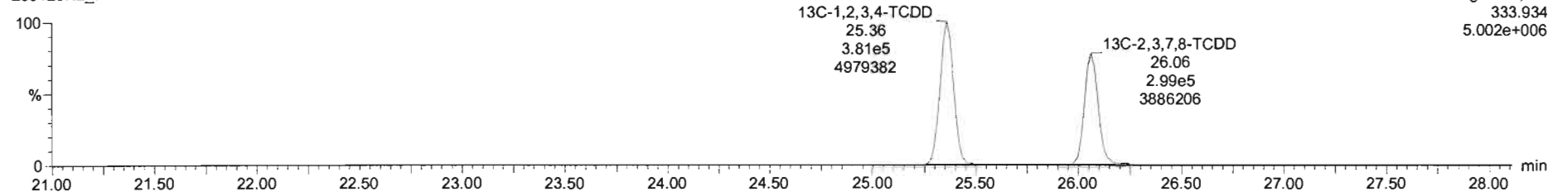


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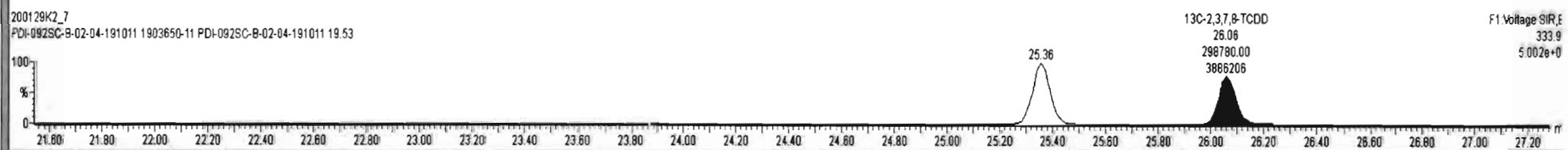
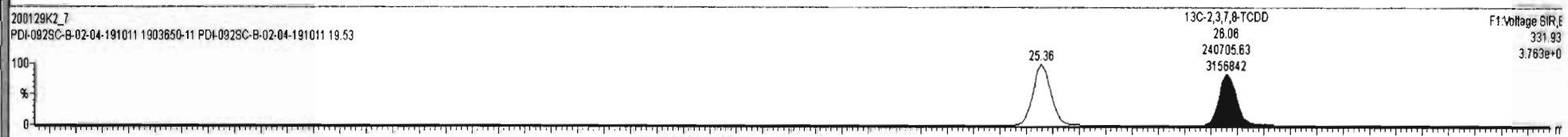
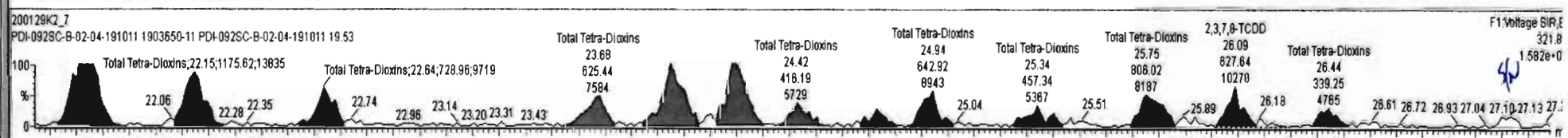
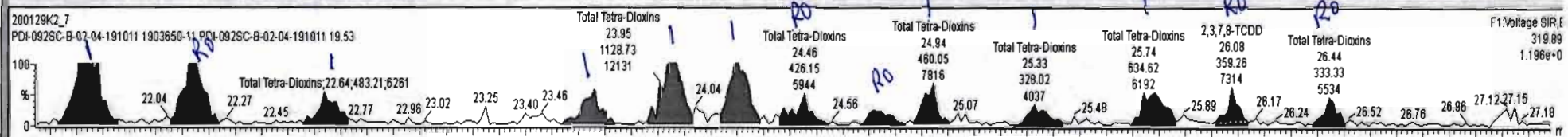


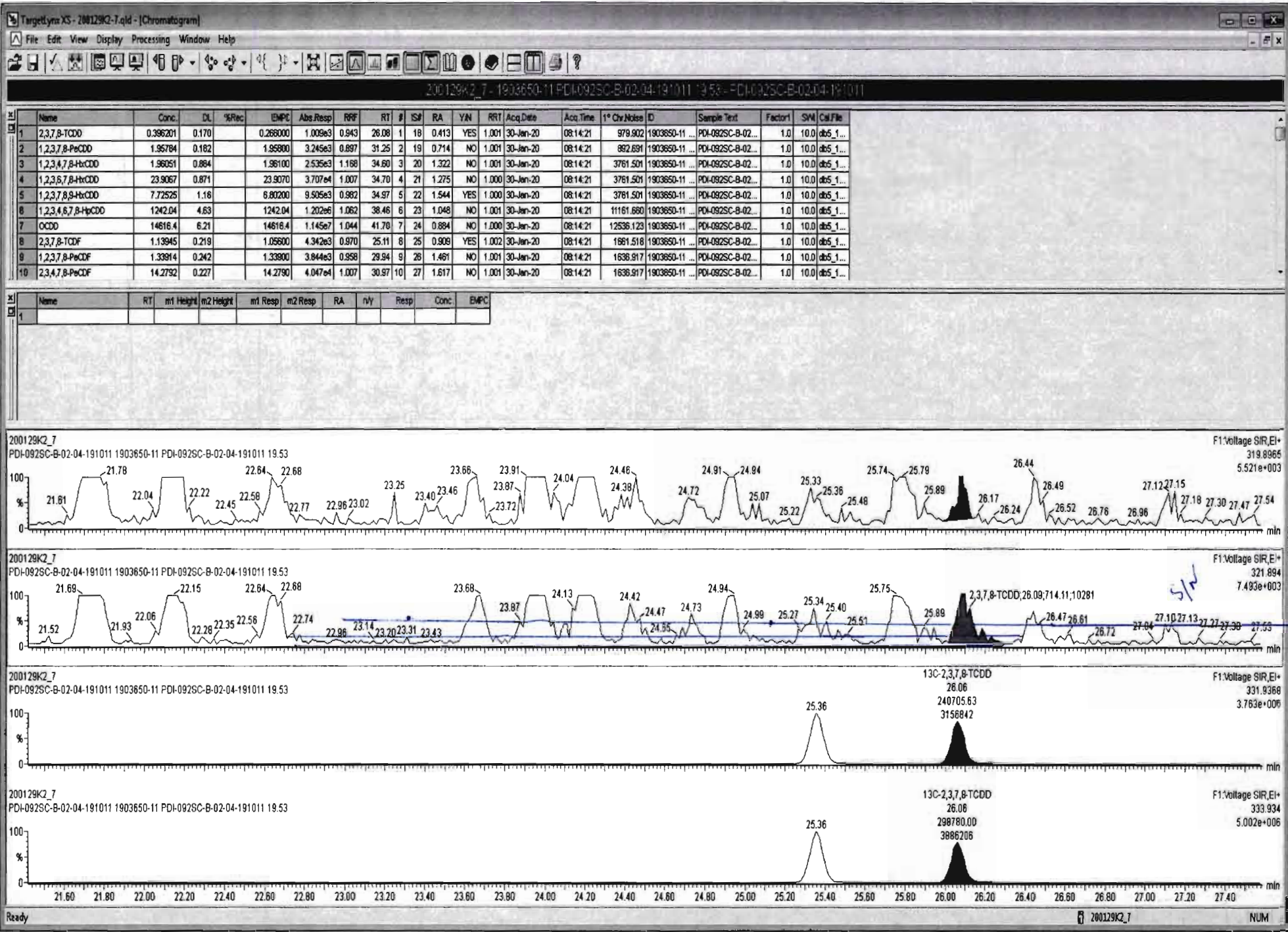
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Name	Conc.	DL	%Rec	EMPC	Abs.Resp	R0F	RT	#	IS#	RA	YN	RRT	Acq.Date	Acq.Time	1° Chv.Noise	ID	Sample Text	Factor1	SM	Cal File
39 Total Tetra-Dioxins	5.84638	0.170	7.70107		0.943		39						30-Jan-20	08:14:21		1903650-11 ...	PDI-092SC-B-02...	1.0	10.0	db5_1...
40 Total Penta-Dioxins	29.2576	0.162	32.6791		0.897		40						30-Jan-20	08:14:21		1903650-11 ...	PDI-092SC-B-02...	1.0	10.0	db5_1...
41 Total Hexa-Dioxins	365.511	1.00	372.413		1.007		41						30-Jan-20	08:14:21		1903650-11 ...	PDI-092SC-B-02...	1.0	10.0	db5_1...
42 Total Hepta-Dioxins	3088.65	4.63	3090.80		1.062		42						30-Jan-20	08:14:21		1903650-11 ...	PDI-092SC-B-02...	1.0	10.0	db5_1...
43 Total Tetra-Furans	86.9202	0.219	92.1688		0.970		43						30-Jan-20	08:14:21		1903650-11 ...	PDI-092SC-B-02...	1.0	10.0	db5_1...
44 1st Func. Penta-Furans	147.977	0.0820	147.977		0.958		44						30-Jan-20	08:14:21		1903650-11 ...	PDI-092SC-B-02...	1.0	10.0	db5_1...
45 Total Penta-Furans	81.1825	0.240	84.6426		0.958		45						30-Jan-20	08:14:21		1903650-11 ...	PDI-092SC-B-02...	1.0	10.0	db5_1...
46 Total Hexa-Furans	474.719	0.630	480.765		1.213		46						30-Jan-20	08:14:21		1903650-11 ...	PDI-092SC-B-02...	1.0	10.0	db5_1...
47 Total Hepta-Furans	1315.62	1.43	1315.62		1.189		47						30-Jan-20	08:14:21		1903650-11 ...	PDI-092SC-B-02...	1.0	10.0	db5_1...
48 PFK1							48									1903650-11 ...		1		

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RIA	n/y	Resp	Conc.	EMPC
1 Total Tetra-Dioxins	21.73	2.534e4	3.362e4	1.832e3	2.359e3	0.78	NO	4.191e3	1.65	1.65
2 Total Tetra-Dioxins	22.13	1.603e4	1.394e4	1.140e3	1.179e3	0.97	YES	0.000e0	0.000	0.817
3 Total Tetra-Dioxins	22.64	6.261e3	9.719e3	4.832e2	7.290e2	0.66	NO	1.212e3	0.476	0.476
4 Total Tetra-Dioxins	23.66	6.752e3	7.594e3	4.984e2	6.254e2	0.80	NO	1.124e3	0.441	0.441
5 Total Tetra-Dioxins	23.95	1.213e4	1.683e4	1.129e3	1.419e3	0.80	NO	2.548e3	1.00	1.00
6 Total Tetra-Dioxins	24.20	1.267e4	1.873e4	1.021e3	1.460e3	0.70	NO	2.481e3	0.974	0.974
7 Total Tetra-Dioxins	24.46	5.944e3	5.729e3	4.281e2	4.162e2	1.02	YES	0.000e0	0.000	0.289





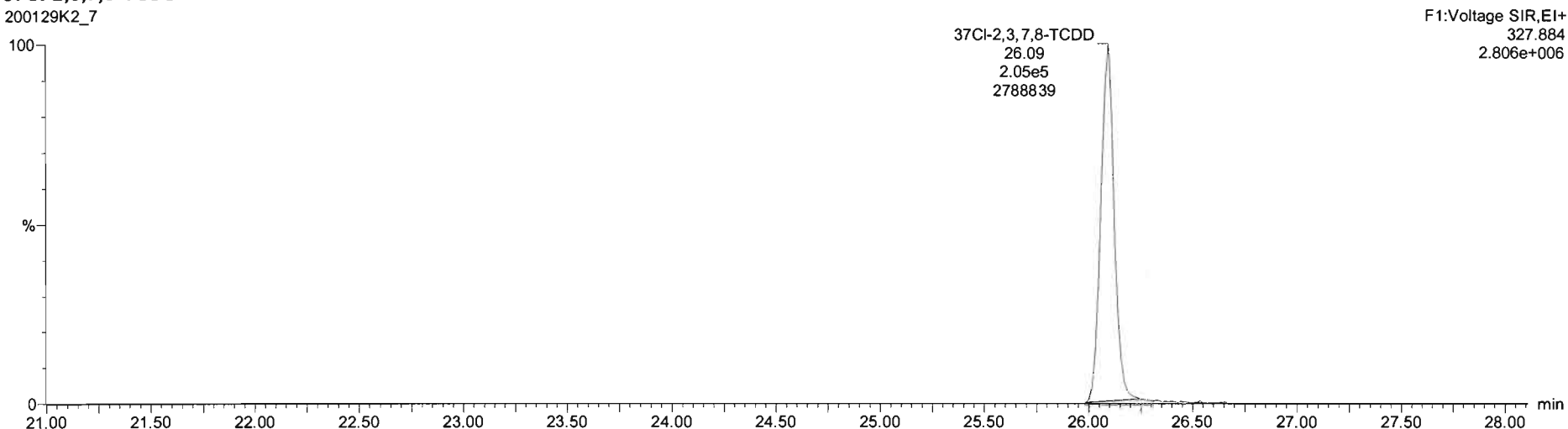
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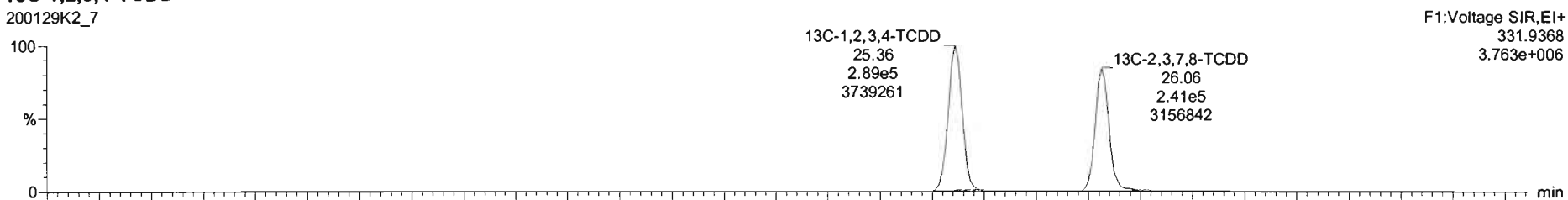
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200129K2_7

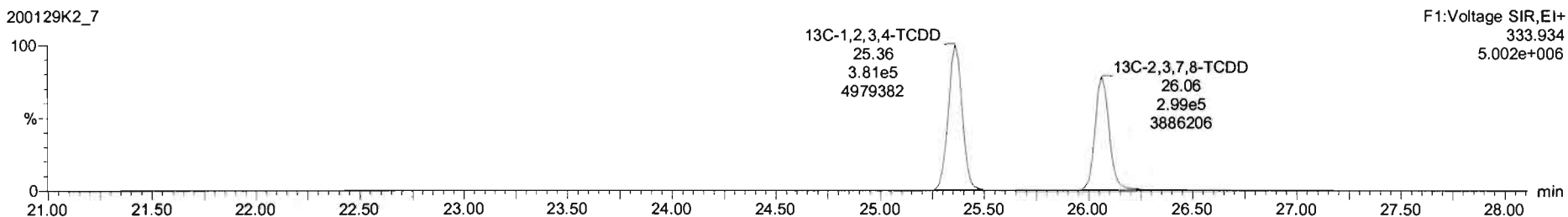


13C-1,2,3,4-TCDD

200129K2_7



200129K2_7



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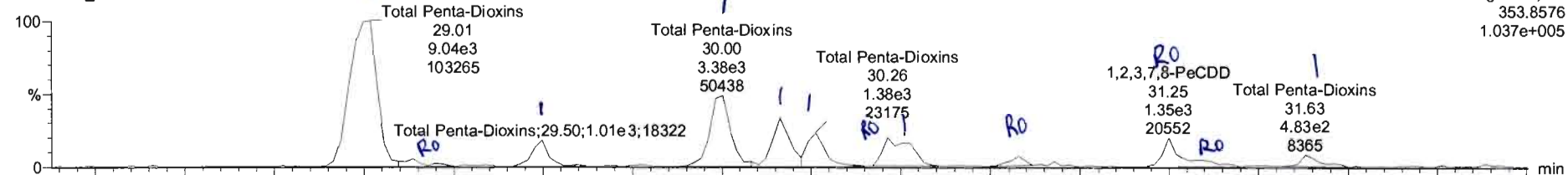
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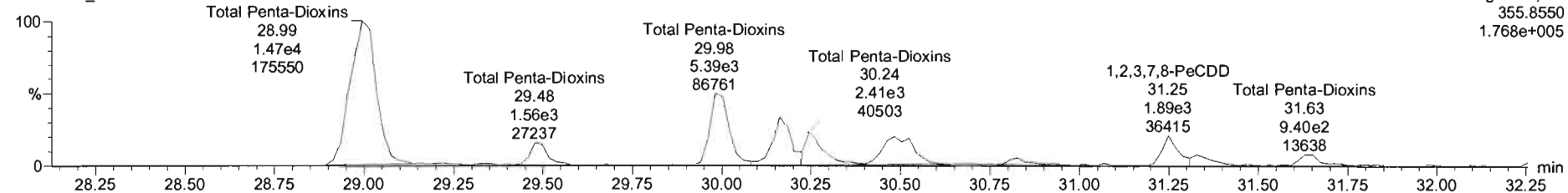
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1,2,3,7,8-PeCDD

200129K2_7

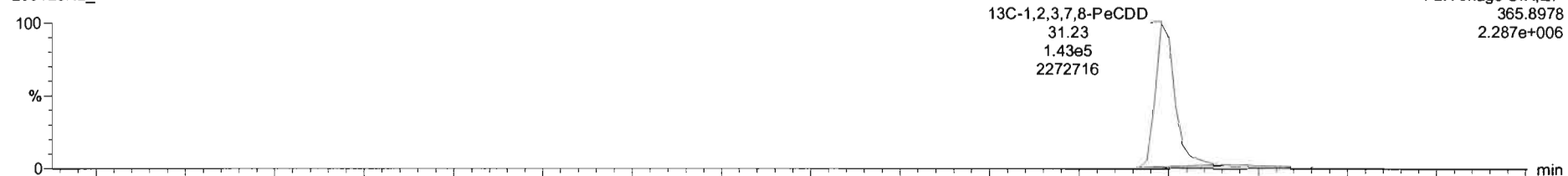


200129K2_7

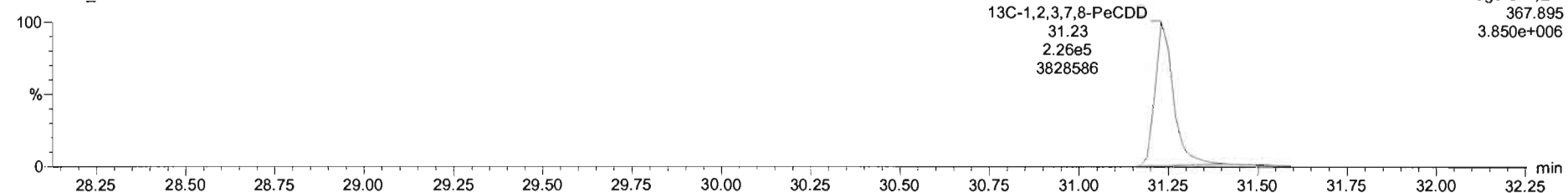


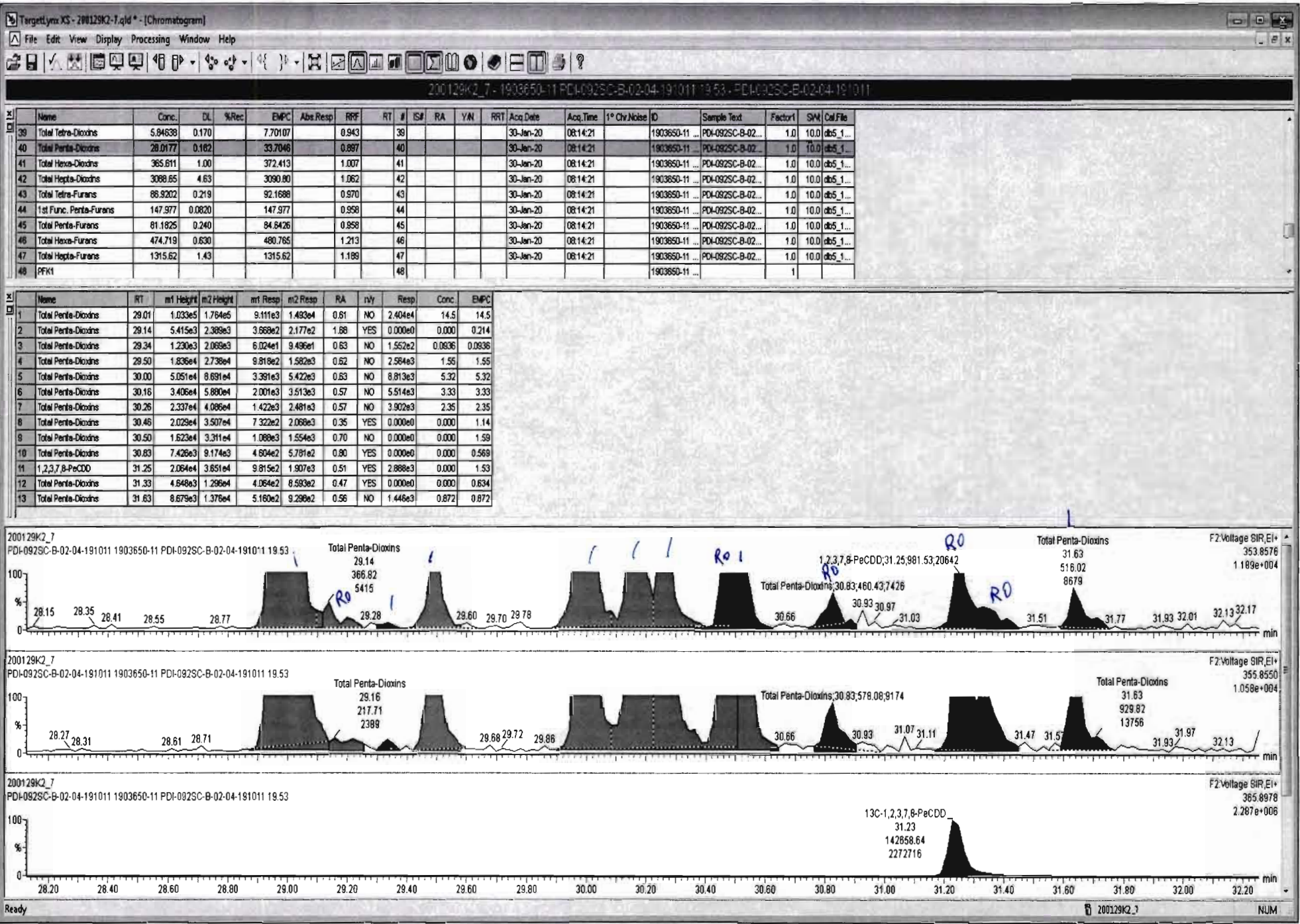
13C-1,2,3,7,8-PeCDD

200129K2_7



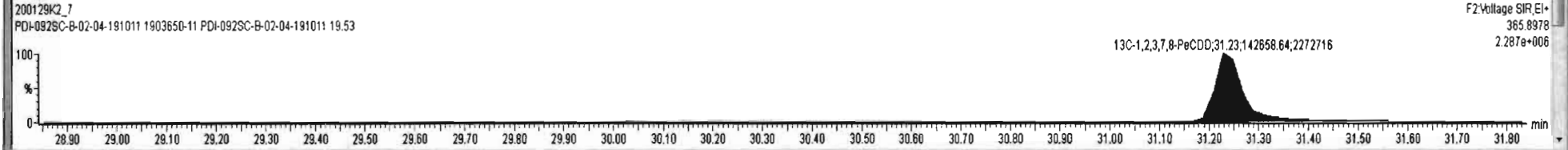
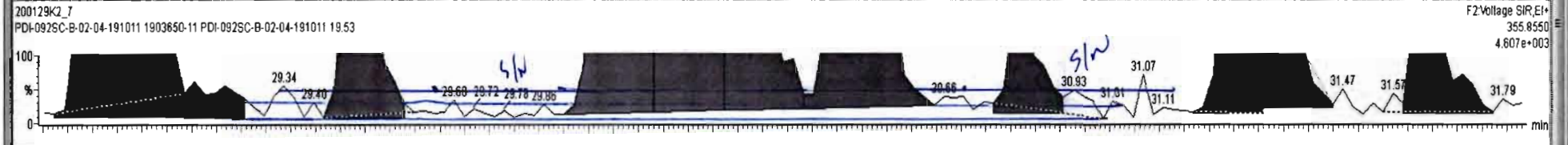
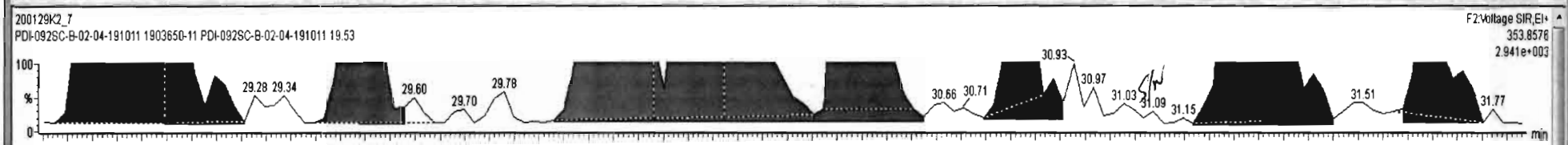
200129K2_7





Name	Conc.	DL	%Rec	EMPC	Abs Resp	RPF	RT	#	IS#	RA	Y/N	RRT	Acq Date	Acq Time	1° Chr Noise	D	Sample Text	Factor1	SM	Cal File
39 Total Tetra-Dioxins	5.84638	0.170		7.70107		0.943	39						30-Jan-20	08:14:21		1903650-11 ...	PDI-0925C-B-02...	1.0	10.0	db5_1...
40 Total Penta-Dioxins	27.8429	0.182		33.1239		0.897	40						30-Jan-20	08:14:21		1903650-11 ...	PDI-0925C-B-02...	1.0	10.0	db5_1...
41 Total Hexa-Dioxins	365.511	1.00		372.413		1.007	41						30-Jan-20	08:14:21		1903650-11 ...	PDI-0925C-B-02...	1.0	10.0	db5_1...
42 Total Hepta-Dioxins	3088.65	4.63		3090.80		1.062	42						30-Jan-20	08:14:21		1903650-11 ...	PDI-0925C-B-02...	1.0	10.0	db5_1...
43 Total Tetra-Furans	86.9202	0.219		92.1688		0.970	43						30-Jan-20	08:14:21		1903650-11 ...	PDI-0925C-B-02...	1.0	10.0	db5_1...
44 1st Func. Penta-Furans	147.977	0.0820		147.977		0.958	44						30-Jan-20	08:14:21		1903650-11 ...	PDI-0925C-B-02...	1.0	10.0	db5_1...
45 Total Penta-Furans	81.1825	0.240		84.6426		0.959	45						30-Jan-20	08:14:21		1903650-11 ...	PDI-0925C-B-02...	1.0	10.0	db5_1...
46 Total Hexa-Furans	474.719	0.630		480.765		1.213	46						30-Jan-20	08:14:21		1903650-11 ...	PDI-0925C-B-02...	1.0	10.0	db5_1...
47 Total Hepta-Furans	1315.62	1.43		1315.62		1.189	47						30-Jan-20	08:14:21		1903650-11 ...	PDI-0925C-B-02...	1.0	10.0	db5_1...
48 PFK1							48									1903650-11 ...		1		

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC
1 Total Penta-Dioxins	29.01	1.033e5	1.784e5	9.111e3	1.493e4	0.81	NO	2.404e4	14.5	14.5
2 Total Penta-Dioxins	29.14	5.415e3	2.389e3	3.669e2	2.177e2	1.88	YES	0.000e0	0.000	0.214
3 Total Penta-Dioxins	29.50	1.836e4	2.738e4	9.818e2	1.582e3	0.62	NO	2.564e3	1.55	1.55
4 Total Penta-Dioxins	30.00	5.051e4	8.678e4	3.391e3	5.394e3	0.63	NO	8.785e3	5.30	5.30
5 Total Penta-Dioxins	30.16	3.406e4	5.850e4	2.001e3	3.473e3	0.58	NO	5.474e3	3.30	3.30
6 Total Penta-Dioxins	30.26	2.337e4	4.050e4	1.422e3	2.415e3	0.59	NO	3.838e3	2.31	2.31
7 Total Penta-Dioxins	30.46	2.031e4	3.450e4	1.818e3	3.477e3	0.52	YES	0.000e0	0.000	2.84
8 Total Penta-Dioxins	30.83	7.334e3	8.884e3	4.458e2	5.373e2	0.83	YES	0.000e0	0.000	0.528
9 1,2,3,7,8-PeCDD	31.25	2.064e4	3.646e4	9.815e2	1.899e3	0.52	YES	2.881e3	0.000	1.53
10 Total Penta-Dioxins	31.33	4.648e3	5.078e3	4.064e2	1.700e2	2.39	YES	0.000e0	0.000	0.167
11 Total Penta-Dioxins	31.63	8.679e3	1.378e4	5.160e2	9.298e2	0.56	NO	1.446e3	0.872	0.872



Dataset: Untitled

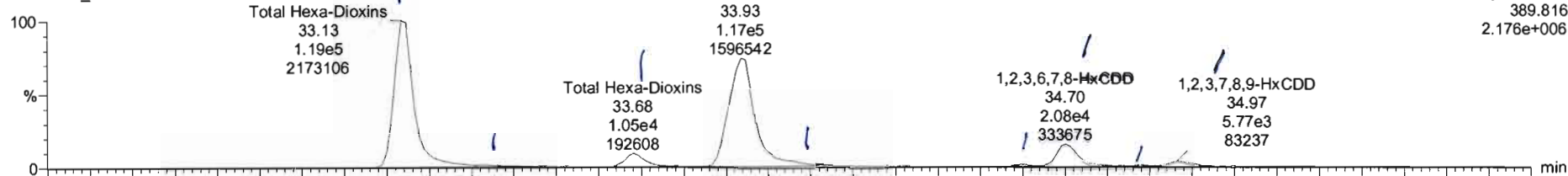
Last Altered: Thursday, January 30, 2020 11:05:42 Pacific Standard Time

Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

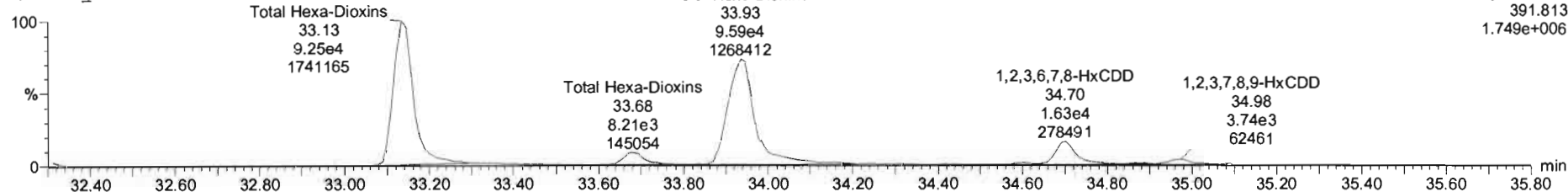
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1,2,3,4,7,8-HxCDD

200129K2_7

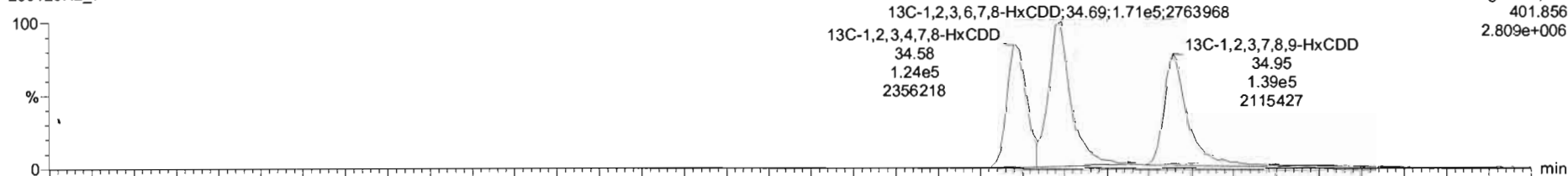


200129K2_7

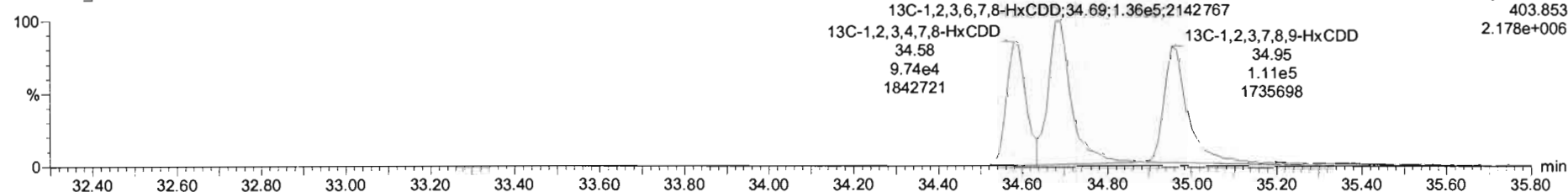


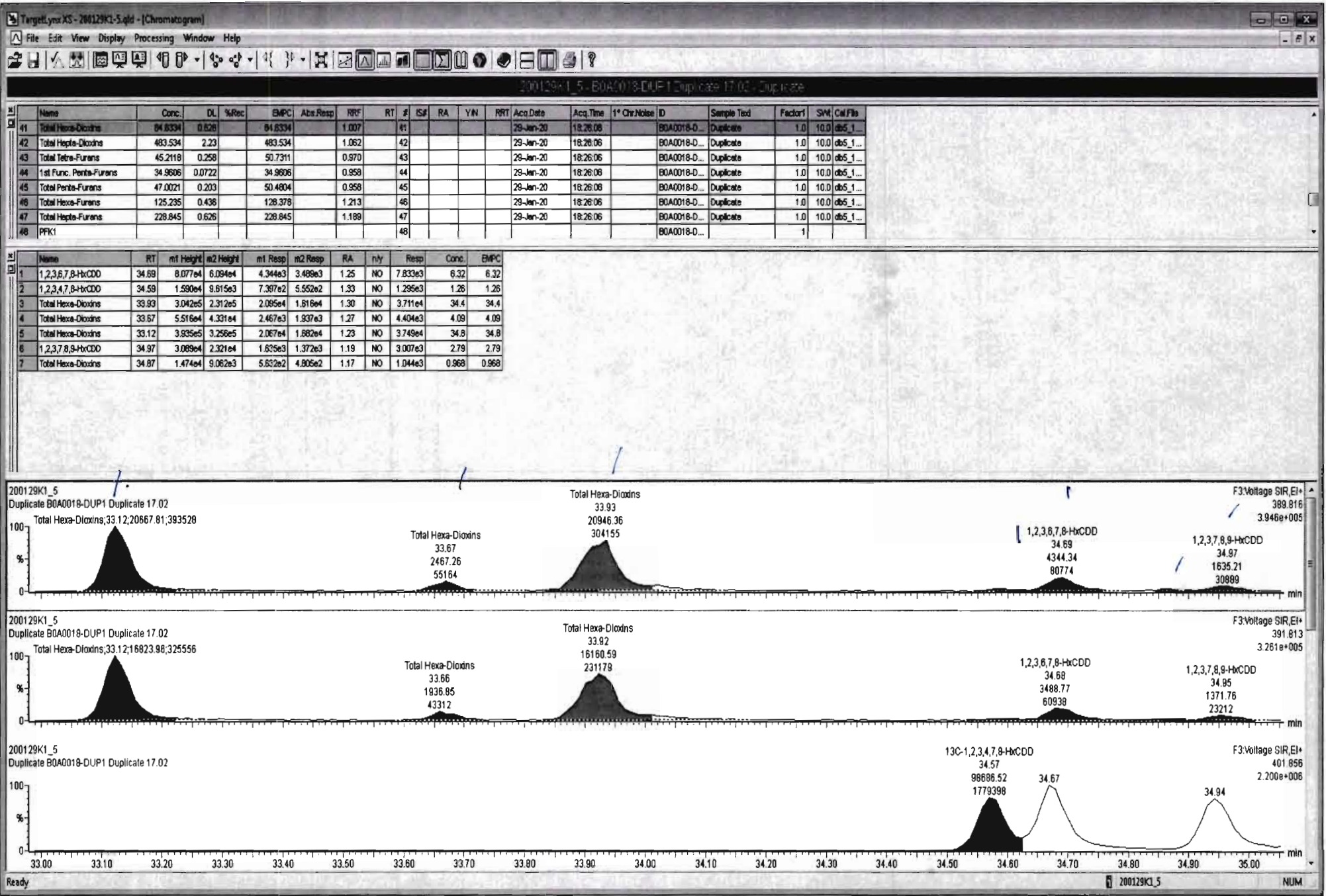
13C-1,2,3,4,7,8-HxCDD

200129K2_7



200129K2_7





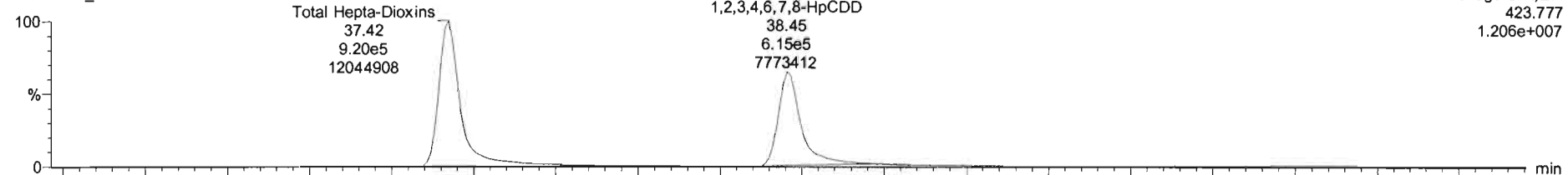
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Last Altered: Thursday, January 30, 2020 11:05:42 Pacific Standard Time
Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

Name: 200129K2_7, Date: 30-Jan-2020, Time: 08:14:21, ID: 1903650-11 PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011

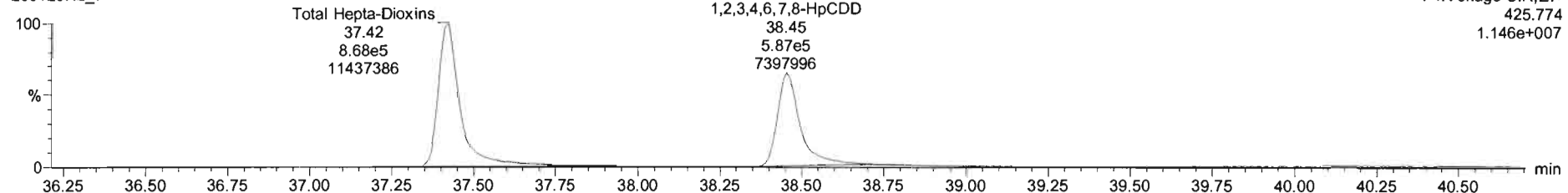
1,2,3,4,6,7,8-HpCDD

200129K2_7



F4:Voltage SIR,EI+
423.777
1.206e+007

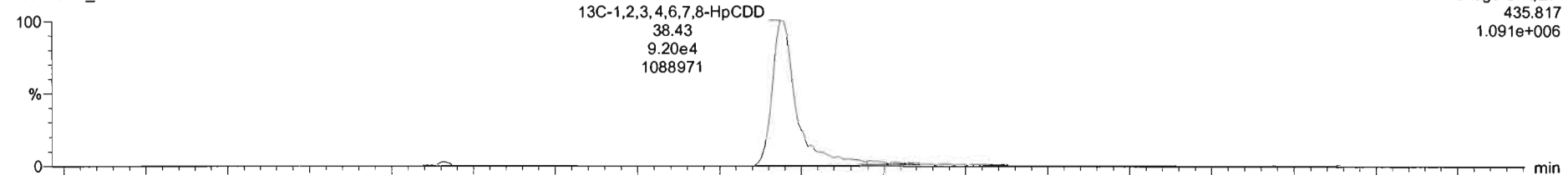
200129K2_7



F4:Voltage SIR,EI+
425.774
1.146e+007

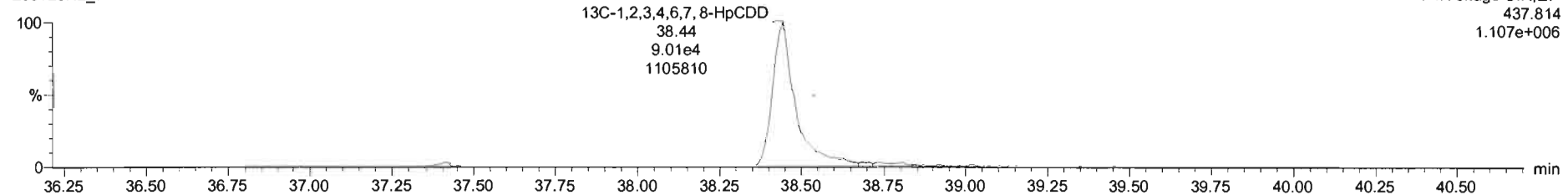
13C-1,2,3,4,6,7,8-HpCDD

200129K2_7

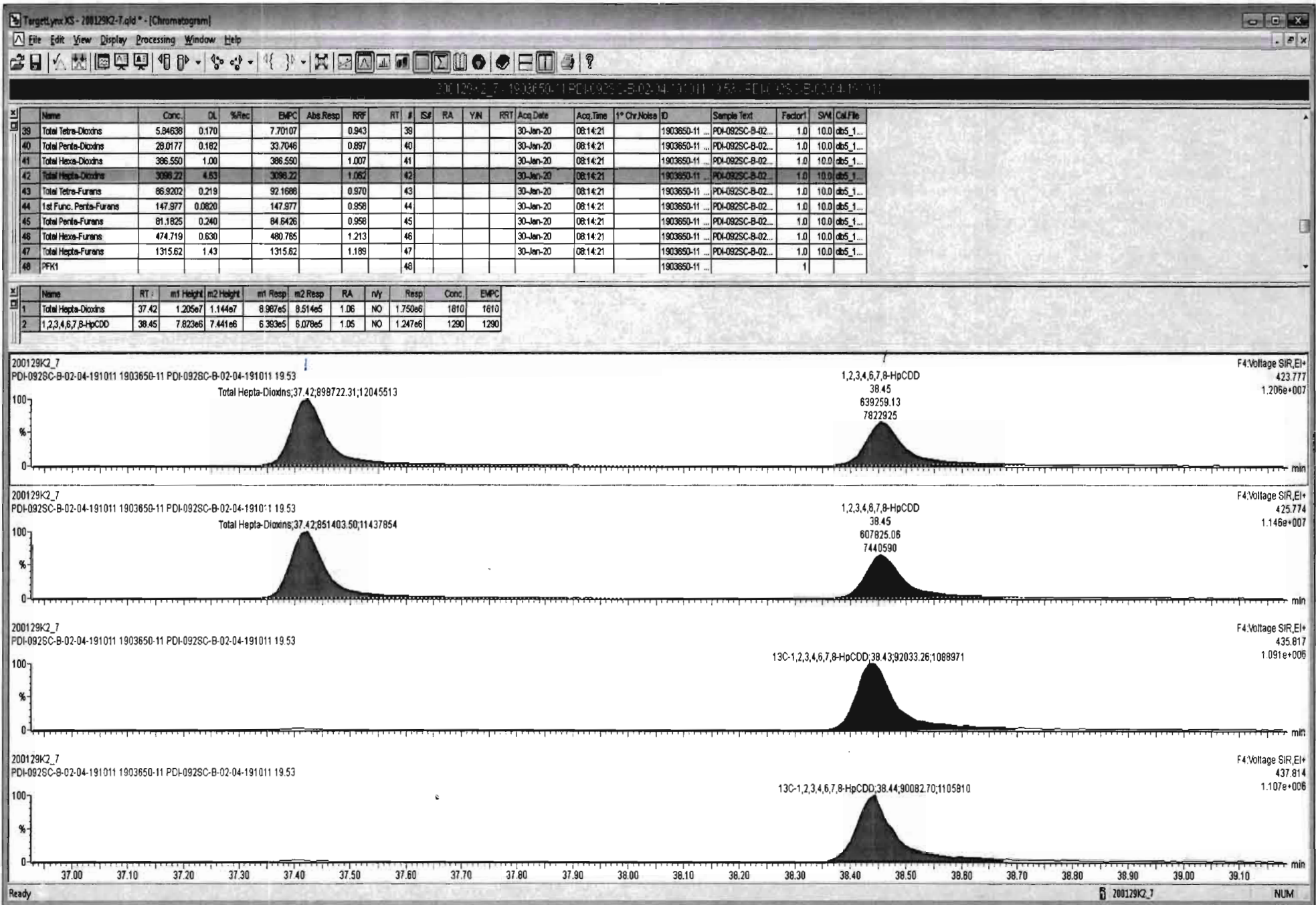


F4:Voltage SIR,EI+
435.817
1.091e+006

200129K2_7



F4:Voltage SIR,EI+
437.814
1.107e+006

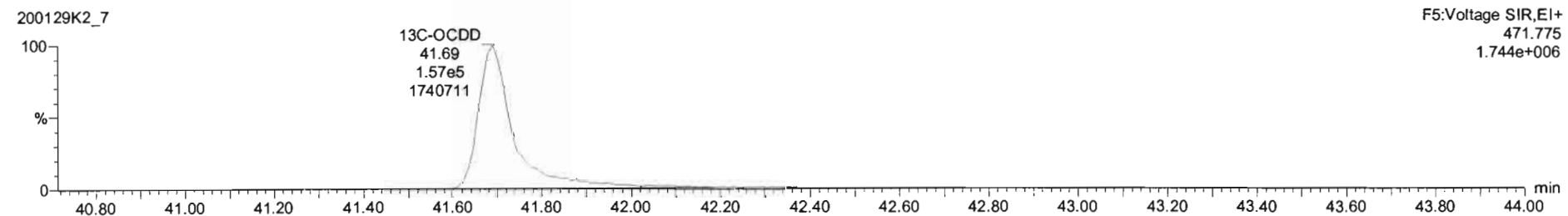
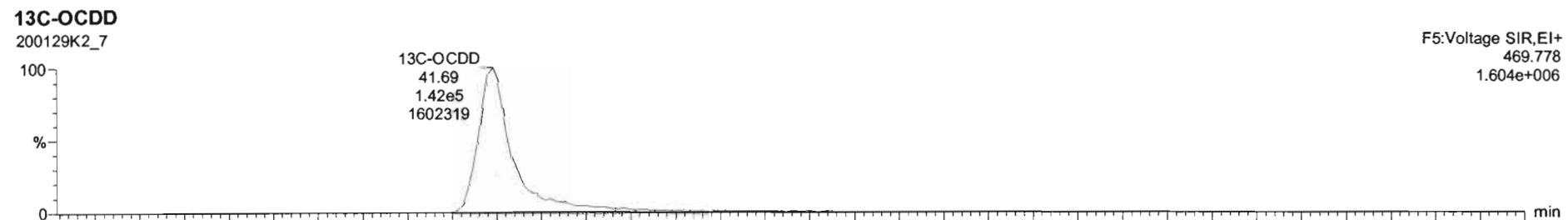
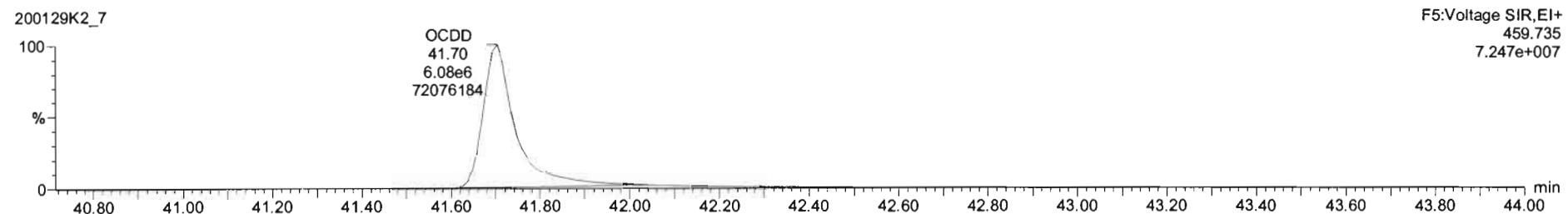
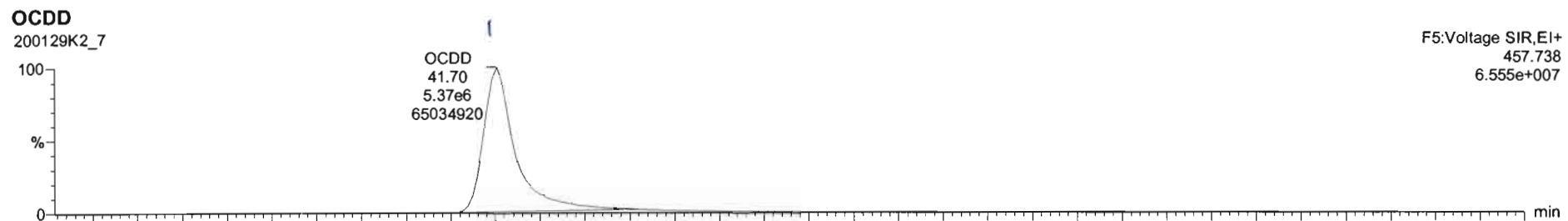


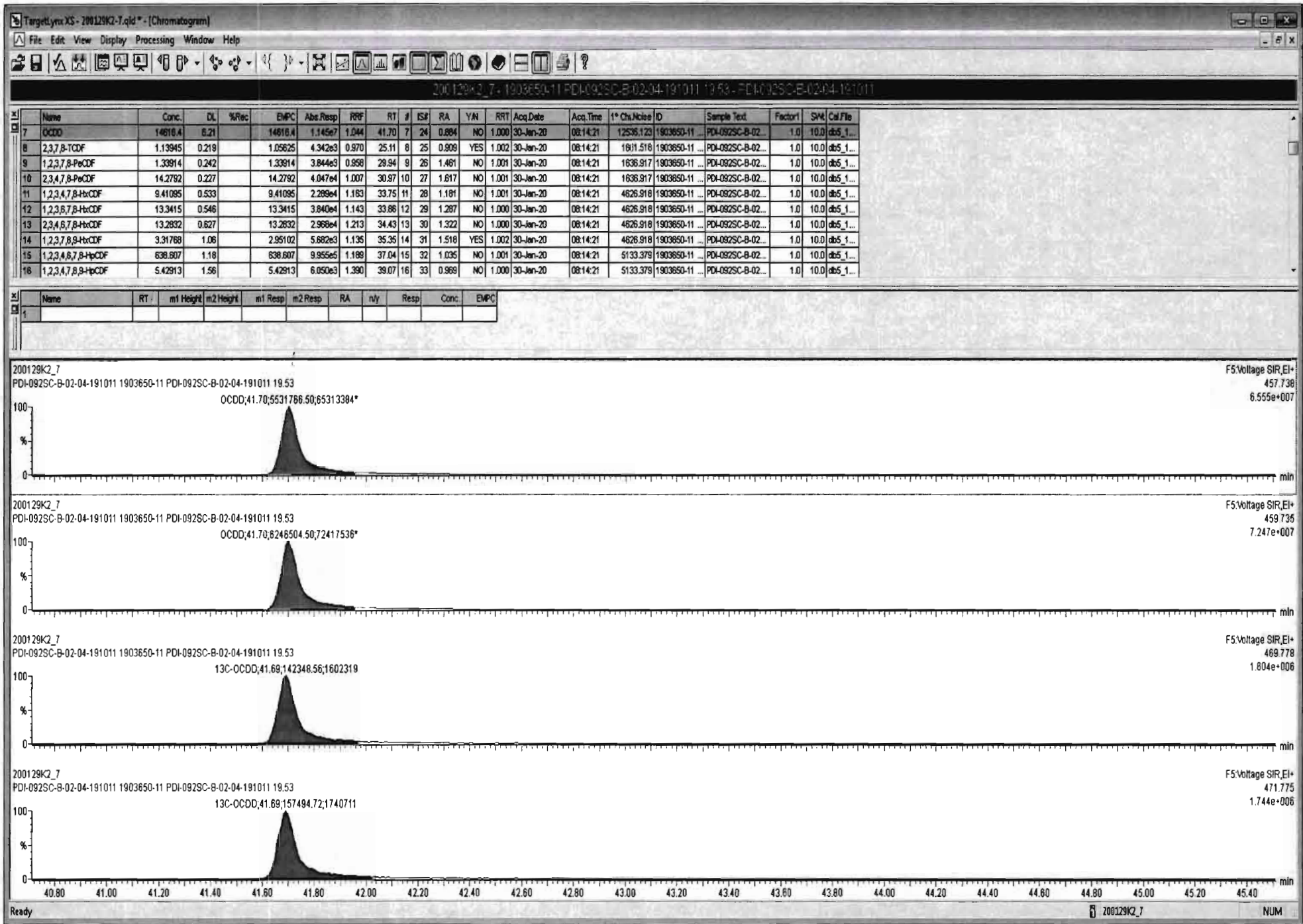
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Last Altered: Thursday, January 30, 2020 11:05:42 Pacific Standard Time

Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

Name: 200129K2_7, Date: 30-Jan-2020, Time: 08:14:21, ID: 1903650-11 PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011





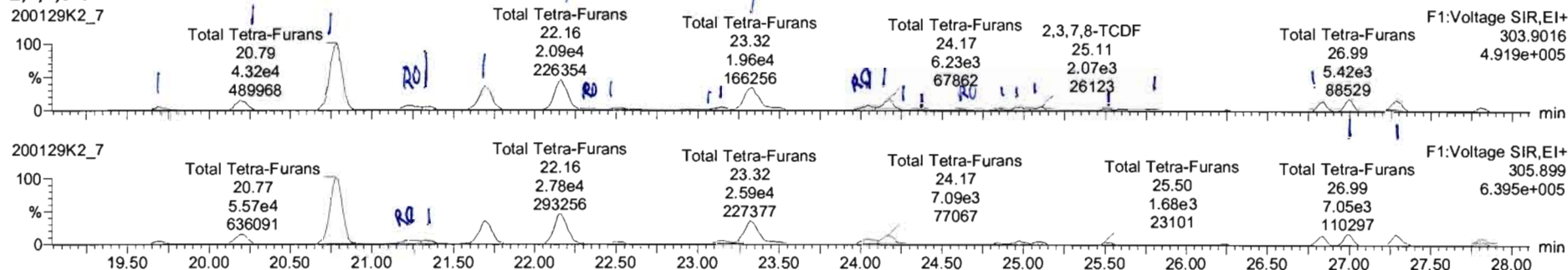
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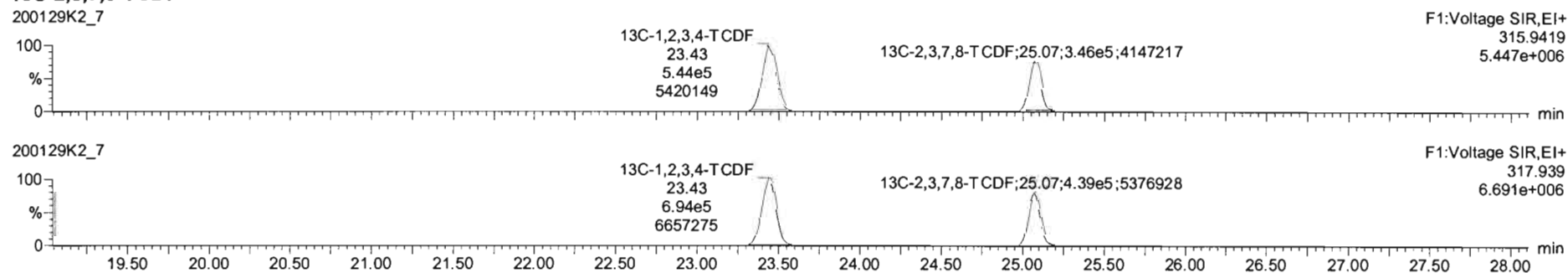
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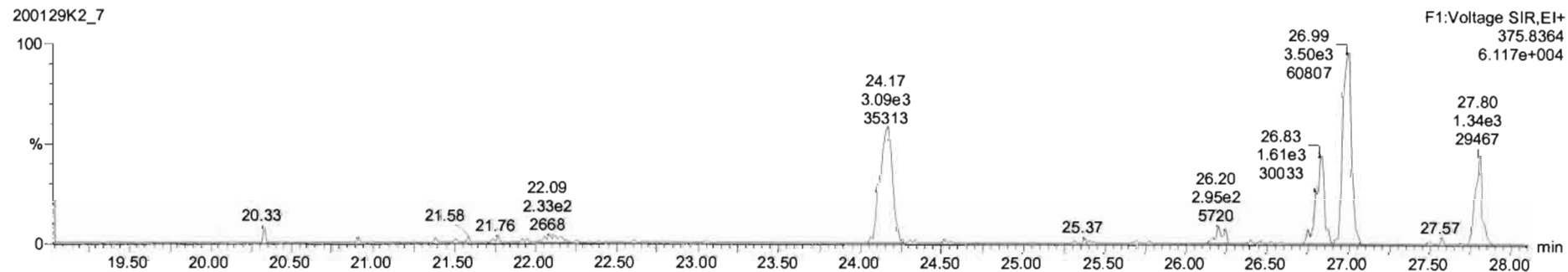
2,3,7,8-TCDF

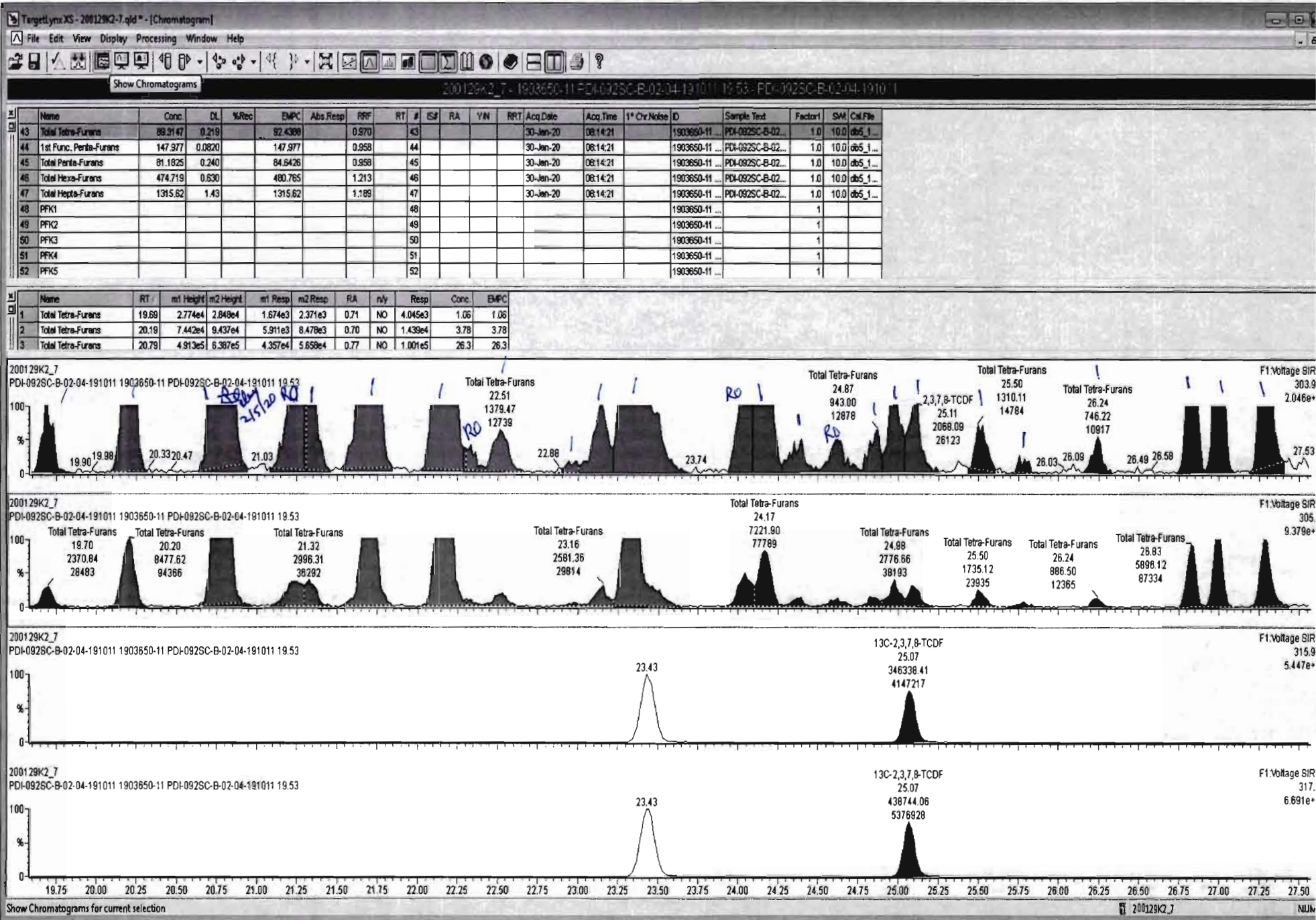


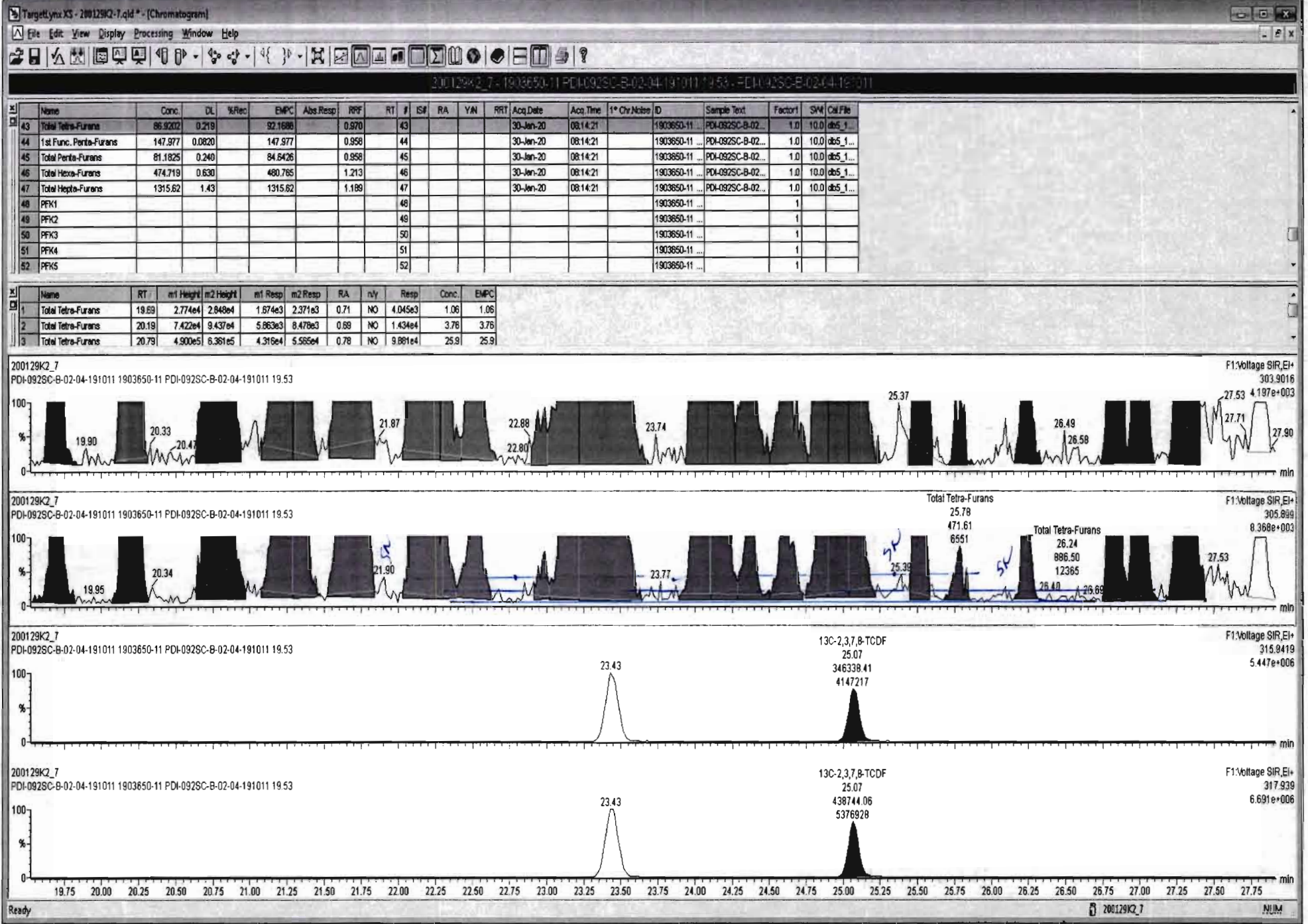
13C-2,3,7,8-TCDF



DPE1







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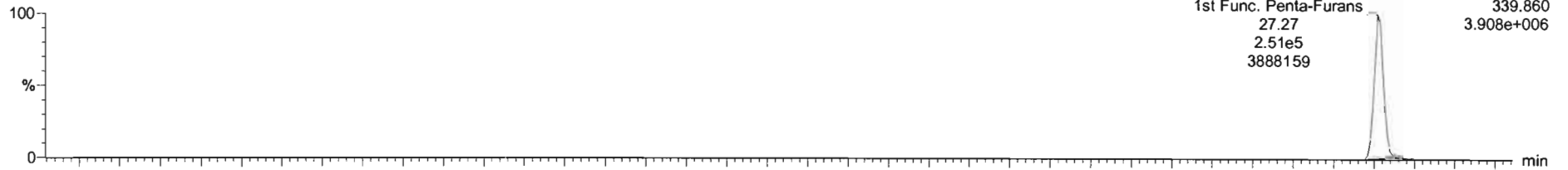
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Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

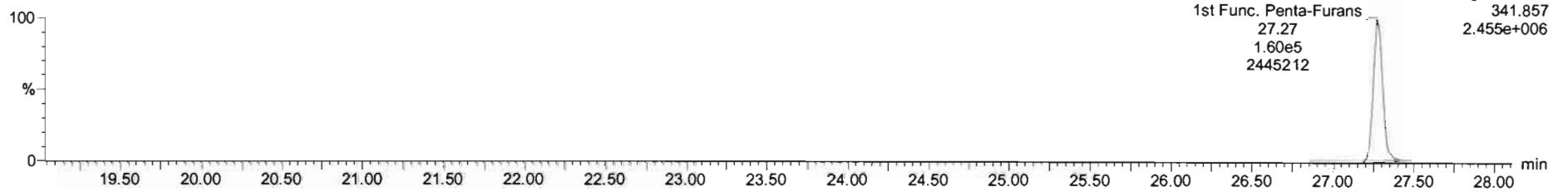
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1st Func. Penta-Furans

200129K2_7

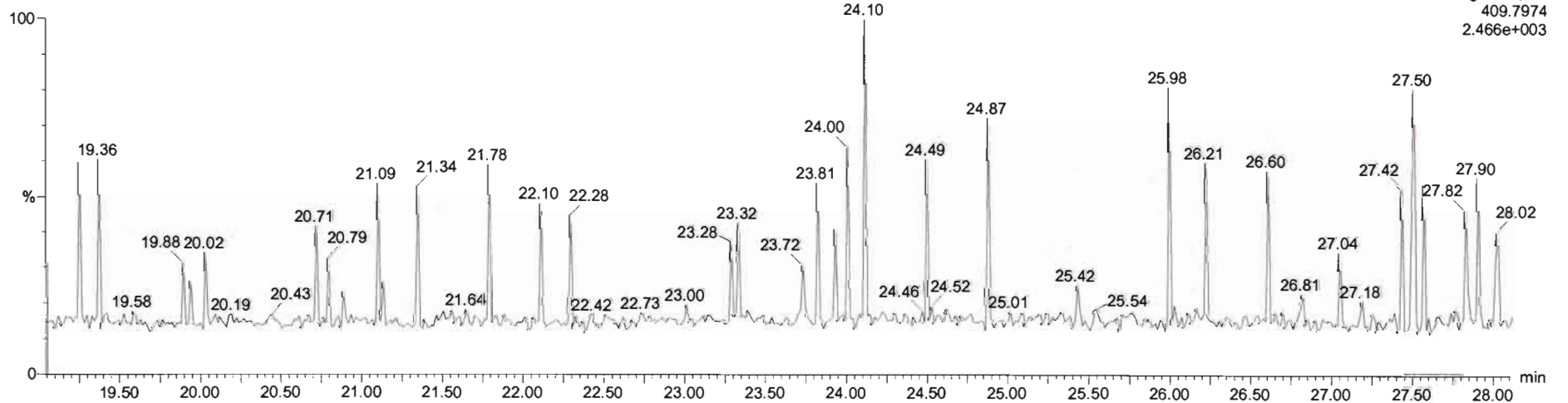


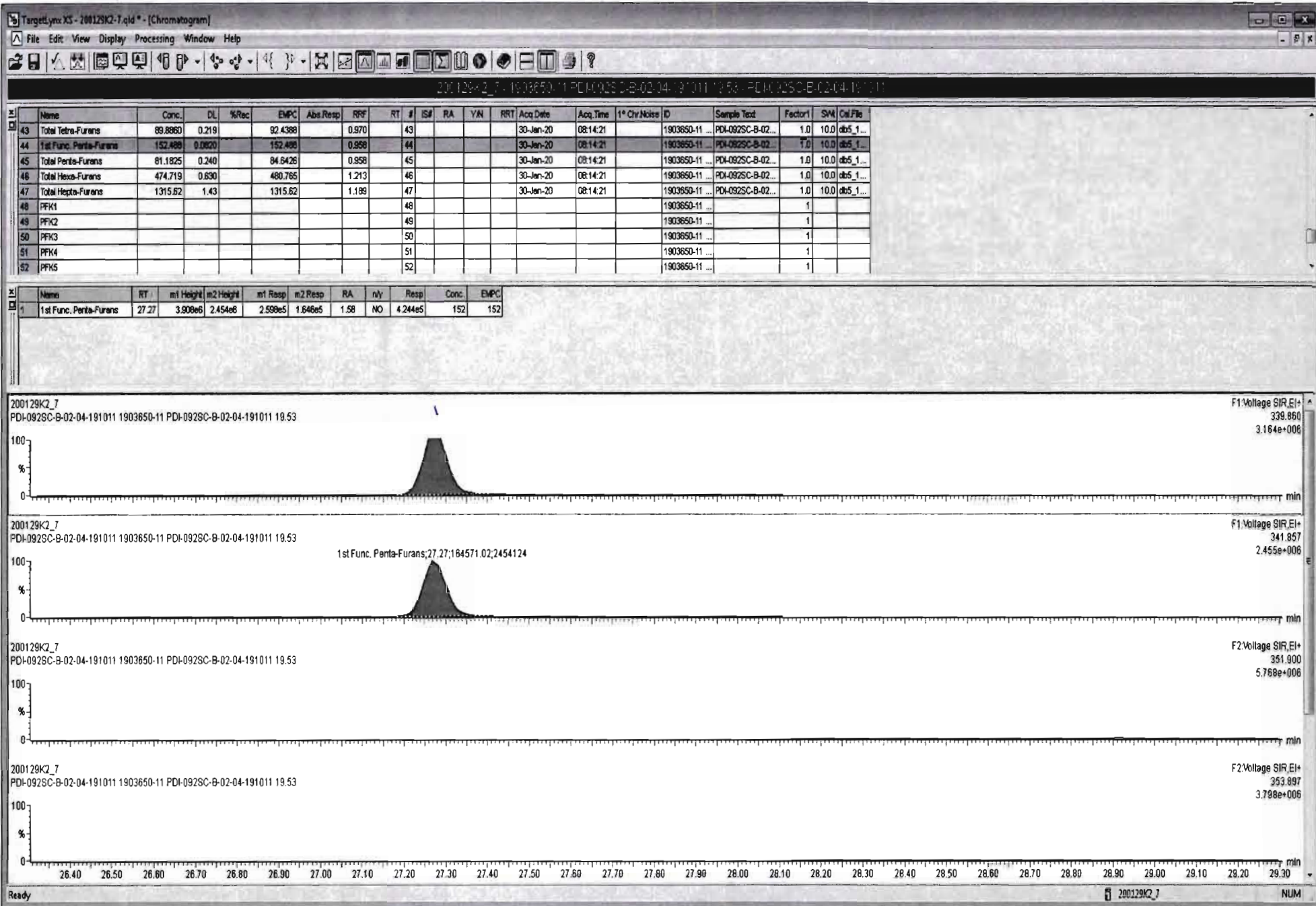
200129K2_7



DPE6

200129K2_7





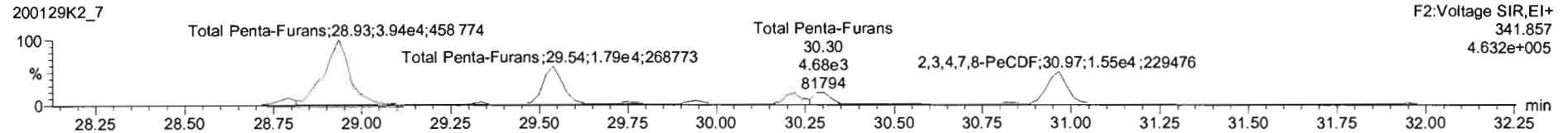
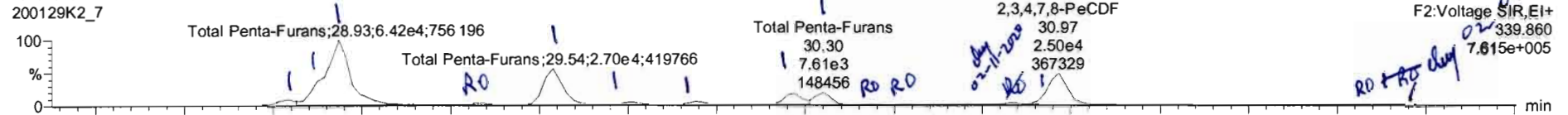
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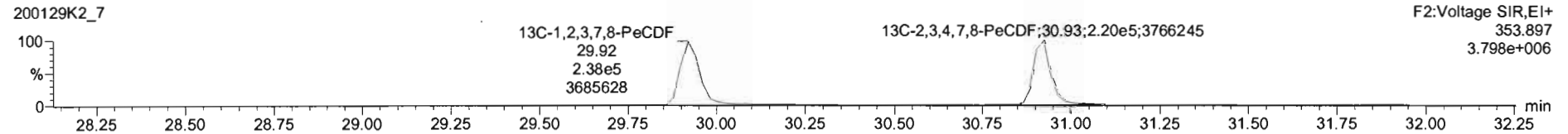
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Name: 200129K2_7, Date: 30-Jan-2020, Time: 08:14:21, ID: 1903650-11 PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011

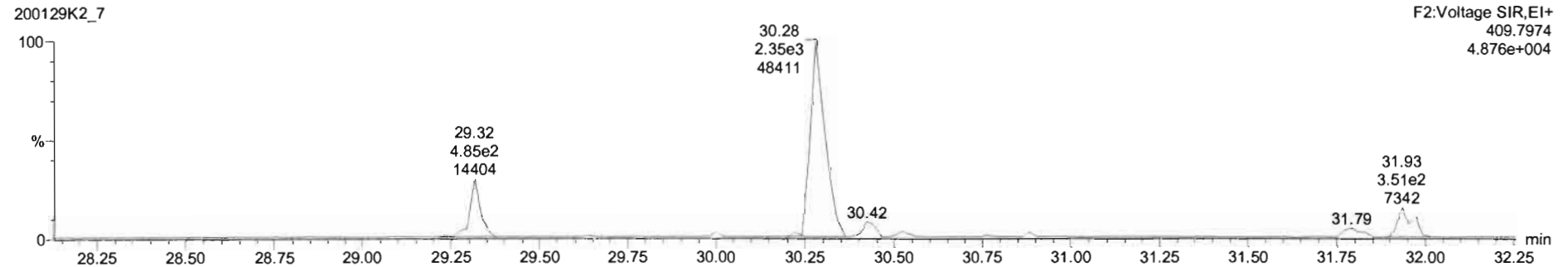
1,2,3,7,8-PeCDF



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

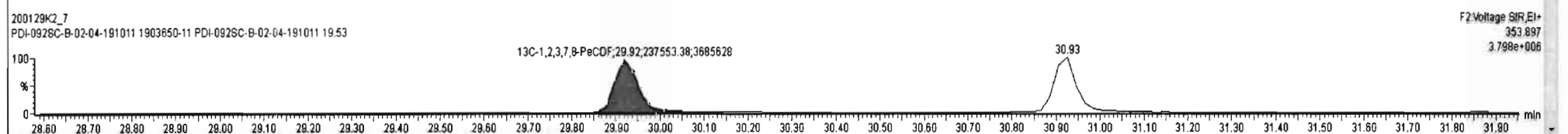
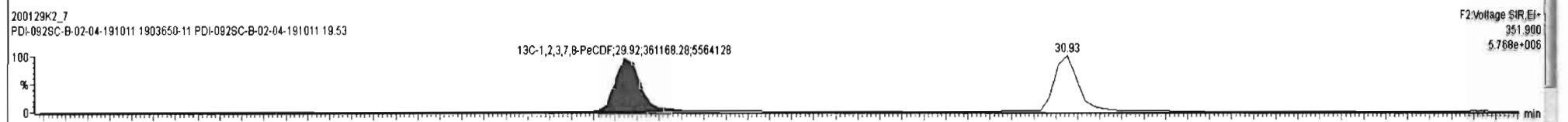
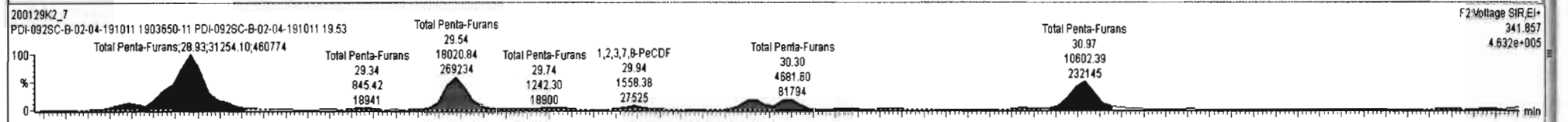
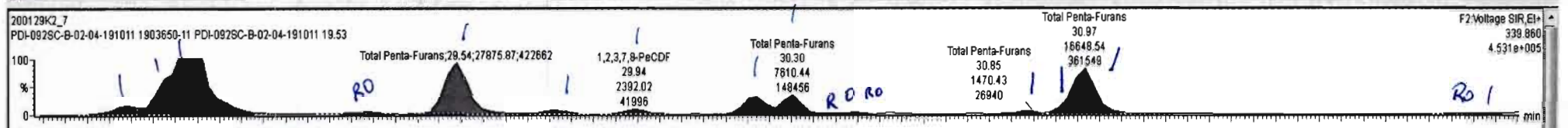


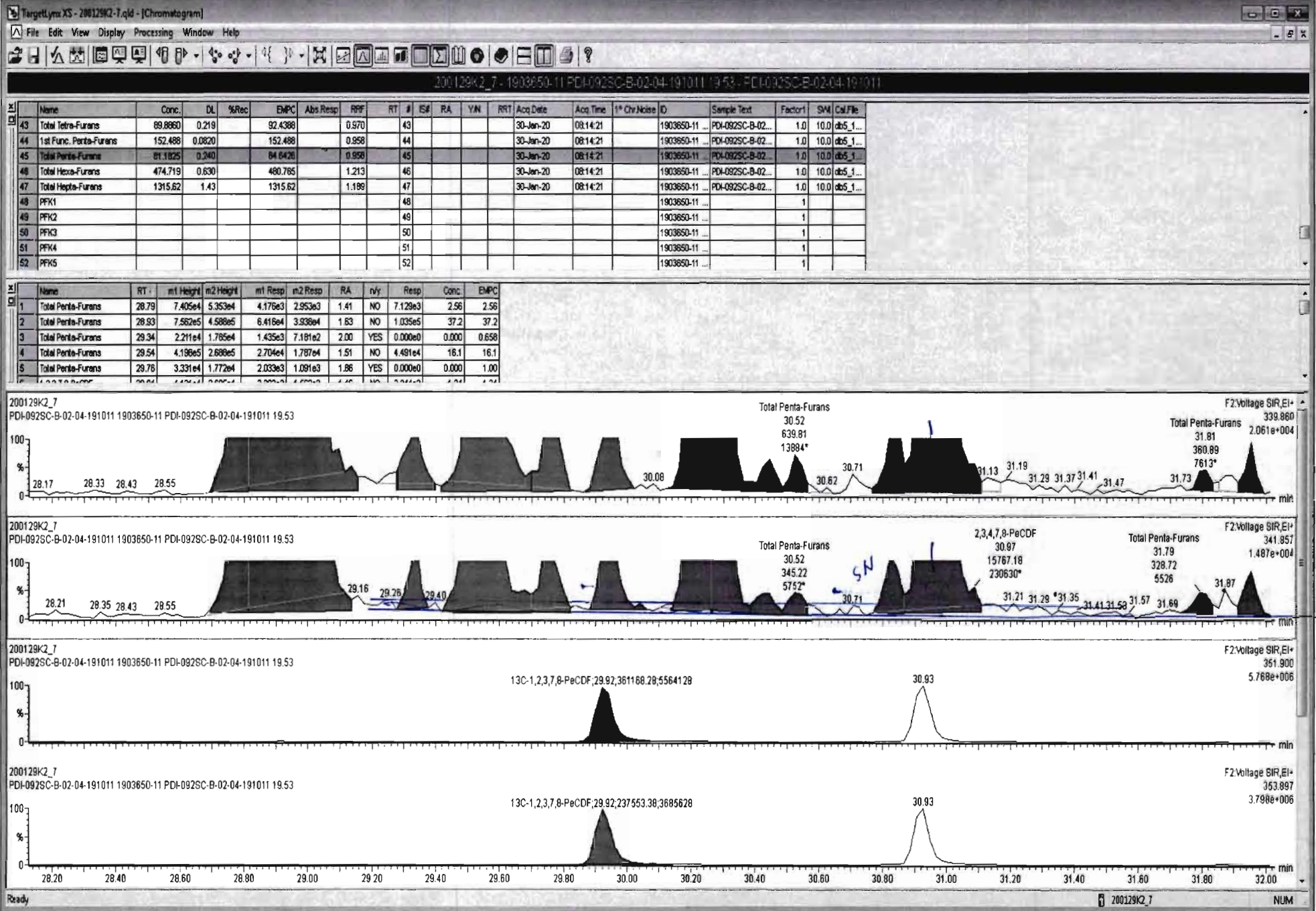
DPE2



#	Name	Resp	RA	n/y	RF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
45	46 Total Penta-Furans				0.9580	10.008	29.27		0.000		NO	36.23		0.240	84.61
46	46 Total Hexa-Furans				1.2131	10.008	33.58		0.000		NO	496.5		0.630	496.6
47	47 Total Hepta-Furans				1.1891	10.008	37.83		0.000		NO	1362		1.43	1362
48	48 PFK1														
49	49 PFK2														
50	50 PFK3														
51	51 PFK4														
52	52 PFK5														
53	53 DPE1														
54	54 DPE2														
55	55 DPE3														
56	56 DPE4														

#	Name	Pred.RT	RT	ml Resp	µl Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
9	45 Total Penta-Furans	29.27	30.30	7.87e3	4.882e3	1.550	1.63	NO	4.4170	4.4170
10	45 Total Penta-Furans	29.27	30.44	6.703e2	3.801e2	1.550	1.78	YES	0.34828	0.00000
11	45 Total Penta-Furans	29.27	30.85	1.470e3	8.754e2	1.550	1.68	NO	0.84297	0.84297
12	10 2,3,4,7,8-PeCDF	30.85	30.95	6.292e3	4.507e3	1.550	1.40	NO	3.8100	3.8100
13	45 Total Penta-Furans	29.27	30.97	1.605e4	1.060e4	1.550	1.57	NO	9.7924	0.00000
14	45 Total Penta-Furans	29.27	31.81	4.247e2	3.667e2	1.550	1.16	YES	0.25106	0.00000
15	45 Total Penta-Furans	29.27	31.89	3.355e2	2.239e2	1.550	1.50	NO	0.20103	0.00000





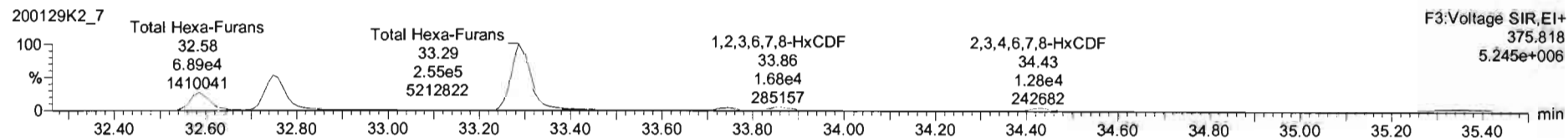
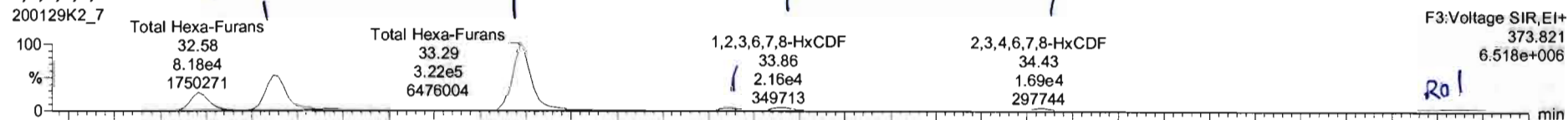
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Last Altered: Thursday, January 30, 2020 11:05:42 Pacific Standard Time

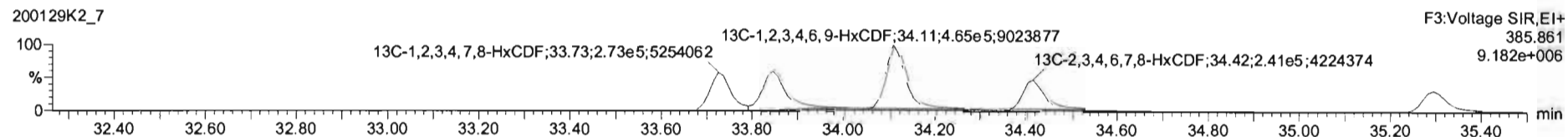
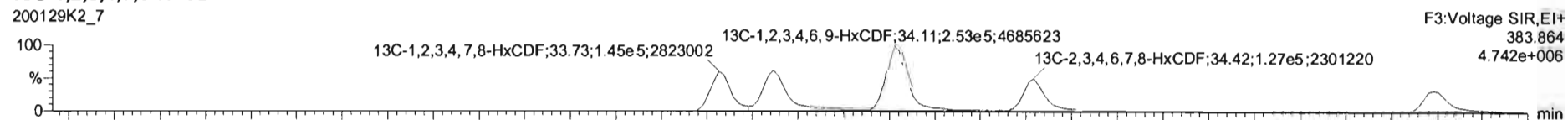
Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

Name: 200129K2_7, Date: 30-Jan-2020, Time: 08:14:21, ID: 1903650-11 PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011

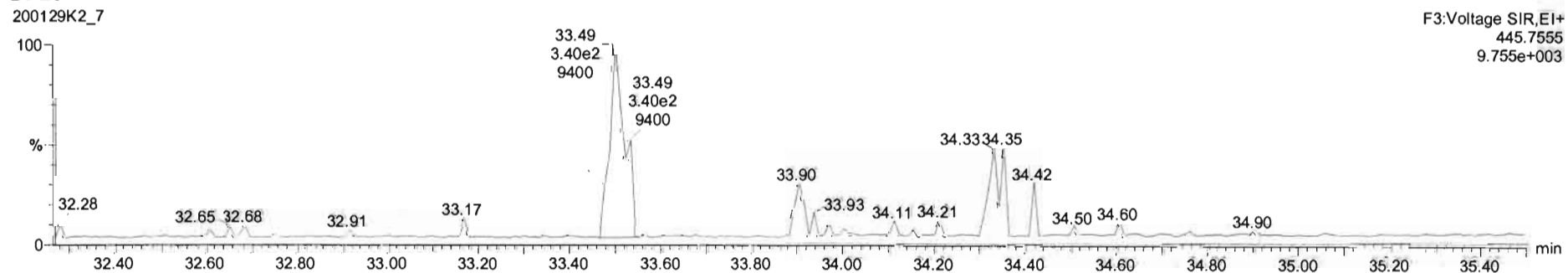
1,2,3,4,7,8-HxCDF

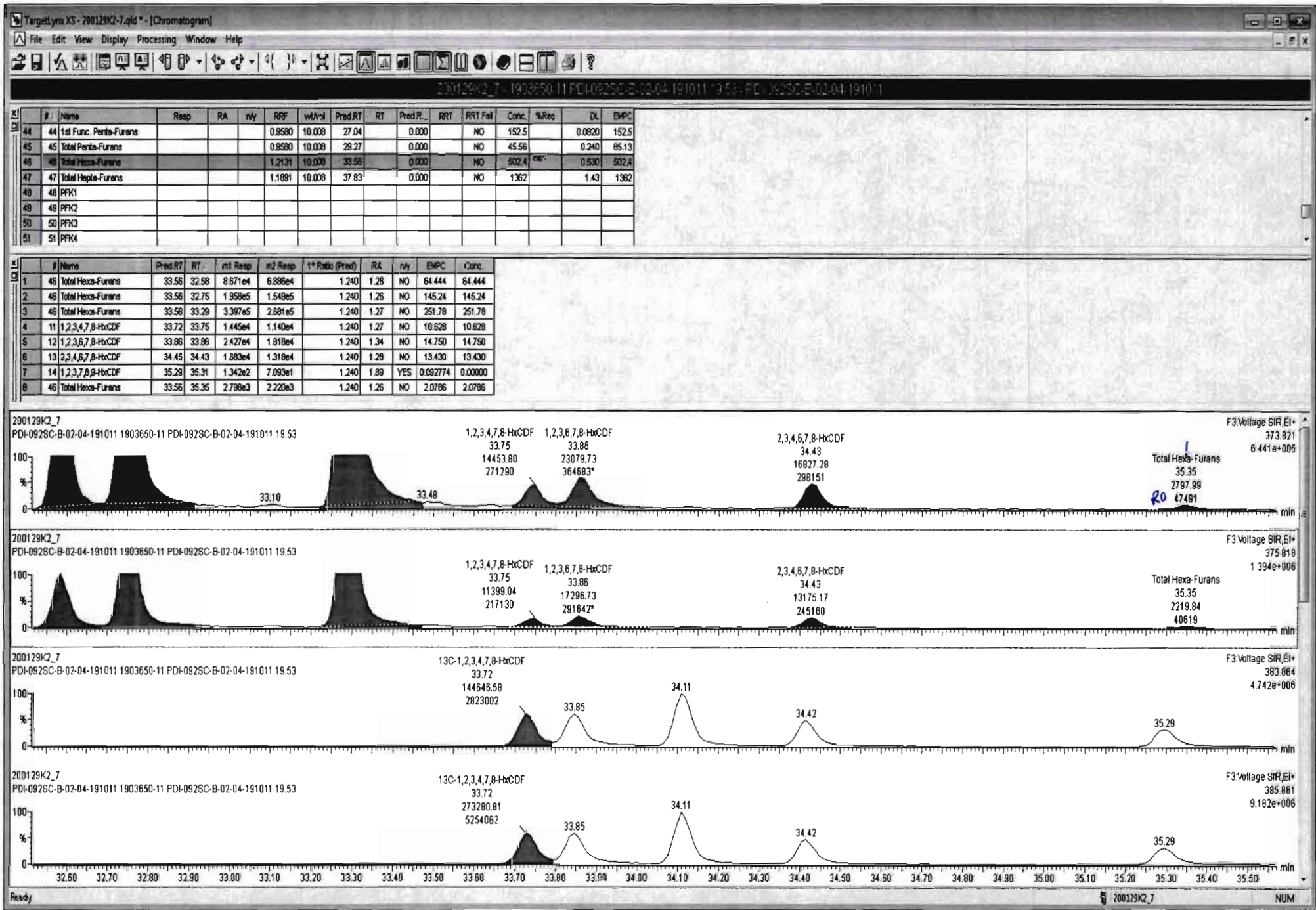


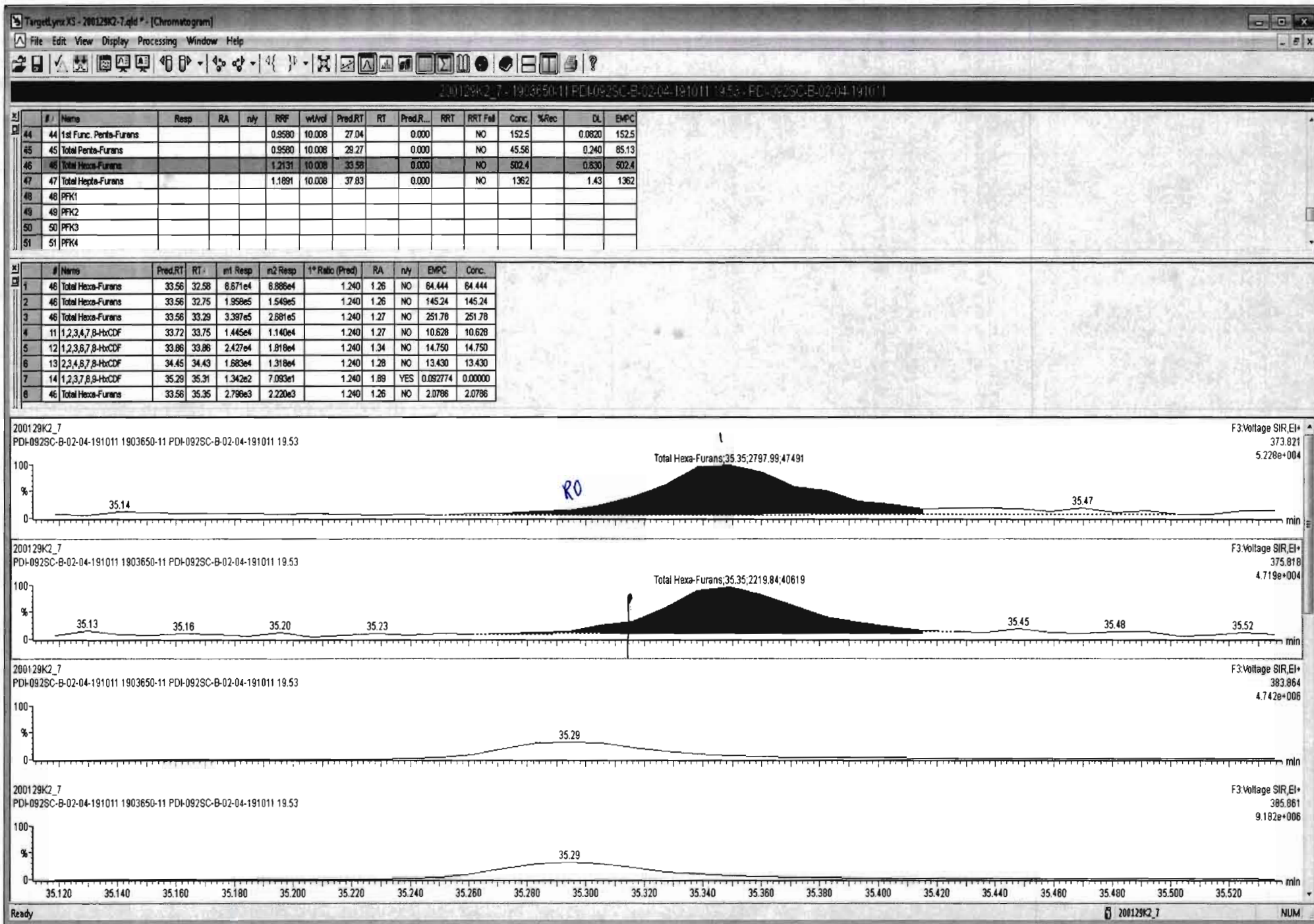
13C-1,2,3,4,7,8-HxCDF



DPE3





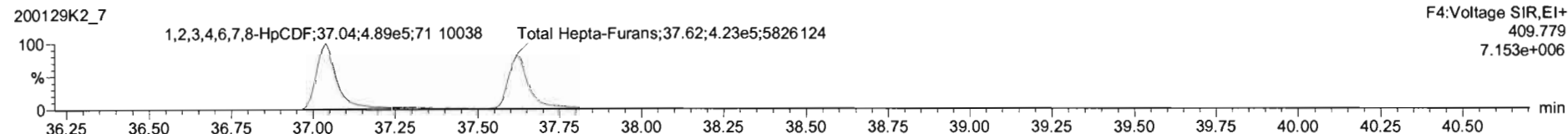
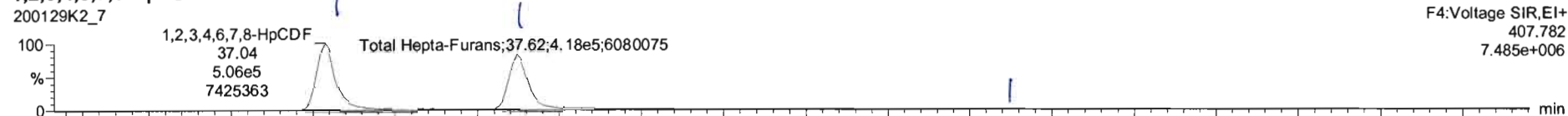


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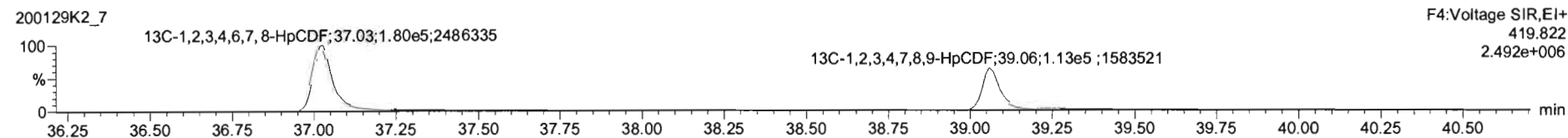
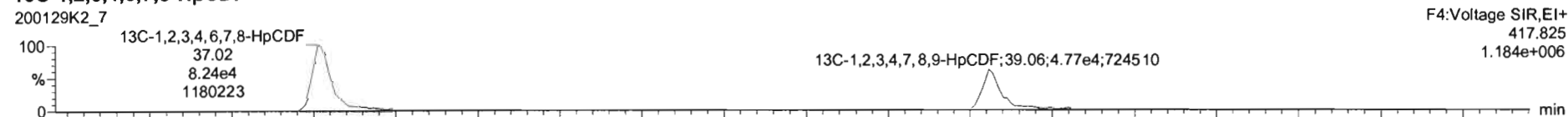
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Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

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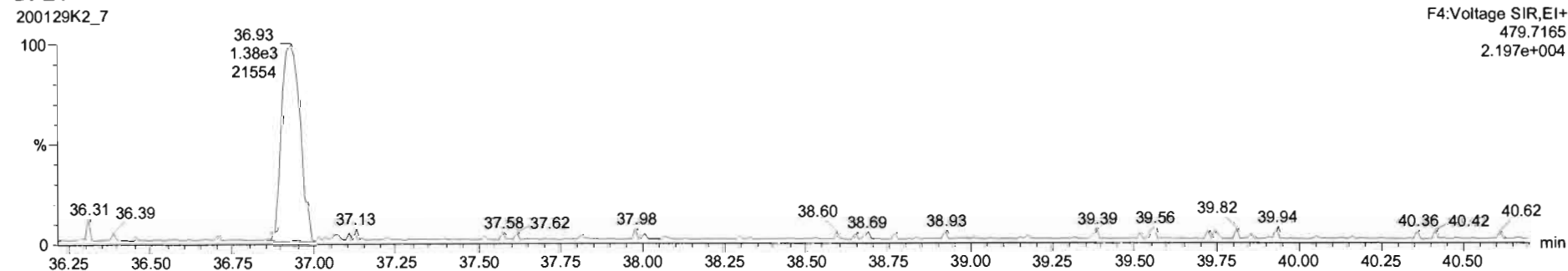
1,2,3,4,6,7,8-HpCDF

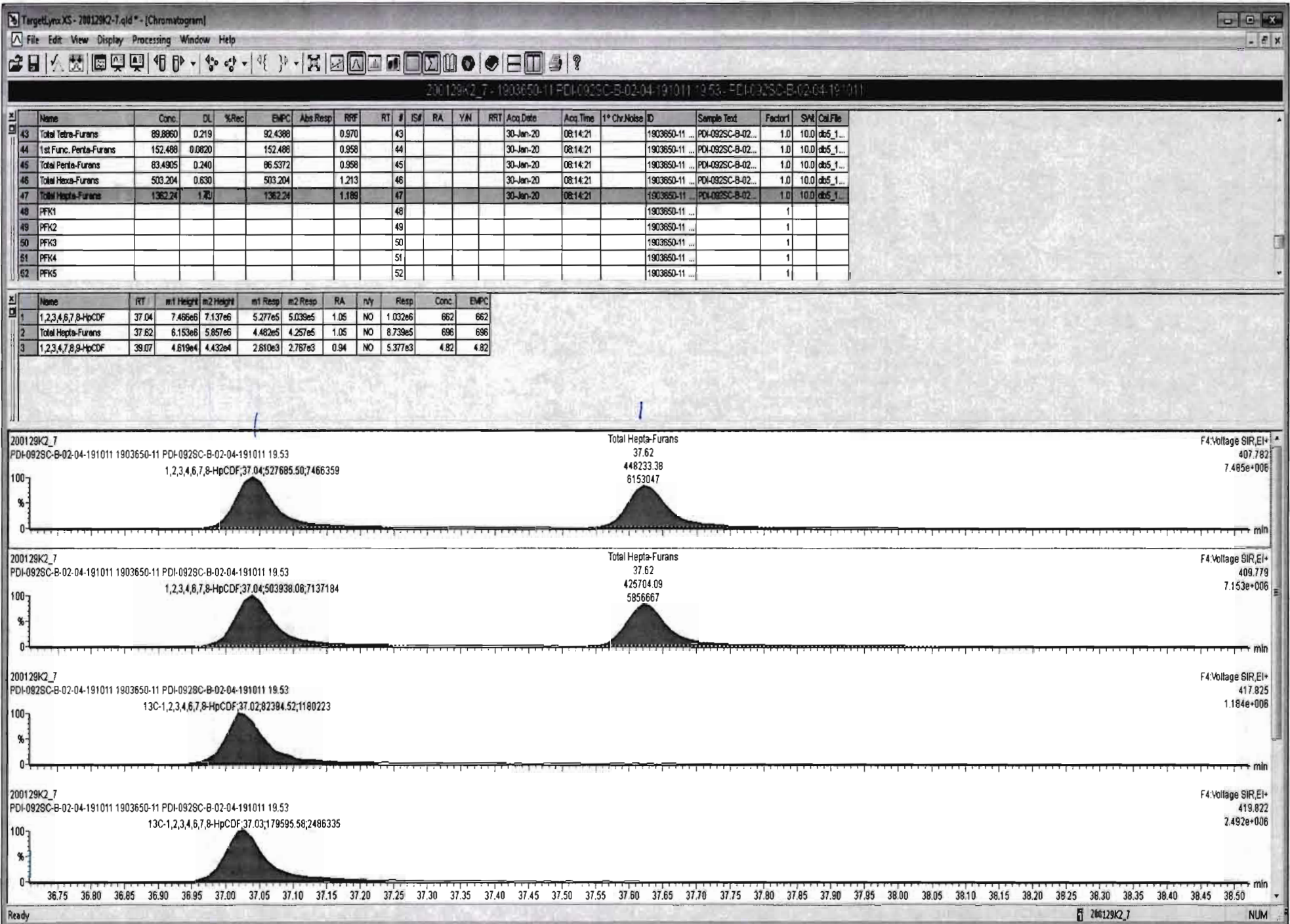


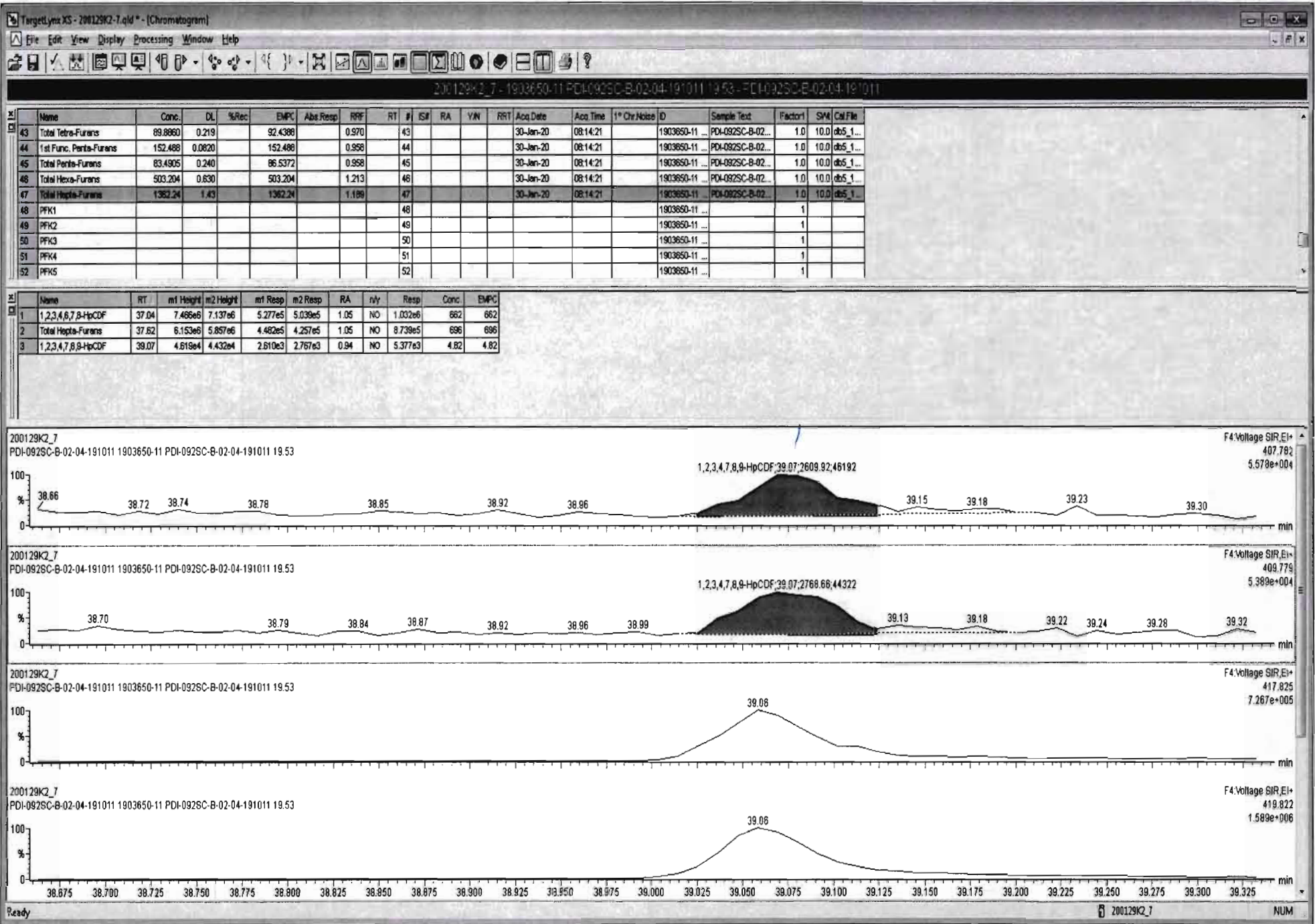
13C-1,2,3,4,6,7,8-HpCDF



DPE4







Dataset: Untitled

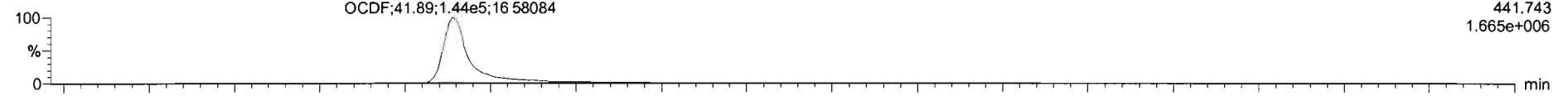
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Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

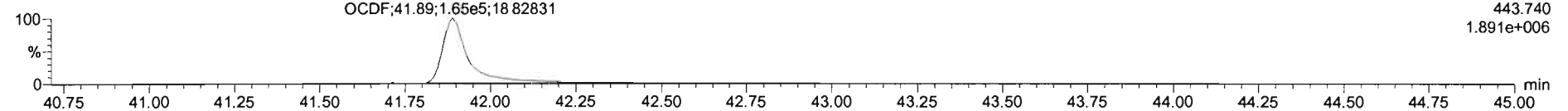
Name: 200129K2_7, Date: 30-Jan-2020, Time: 08:14:21, ID: 1903650-11 PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011

OCDF

200129K2_7

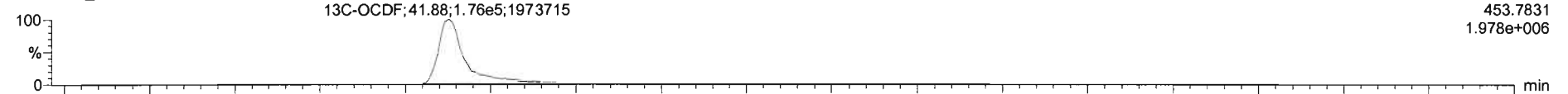


200129K2_7

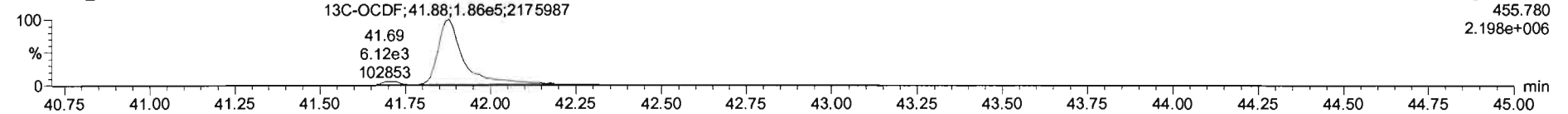


13C-OCDF

200129K2_7

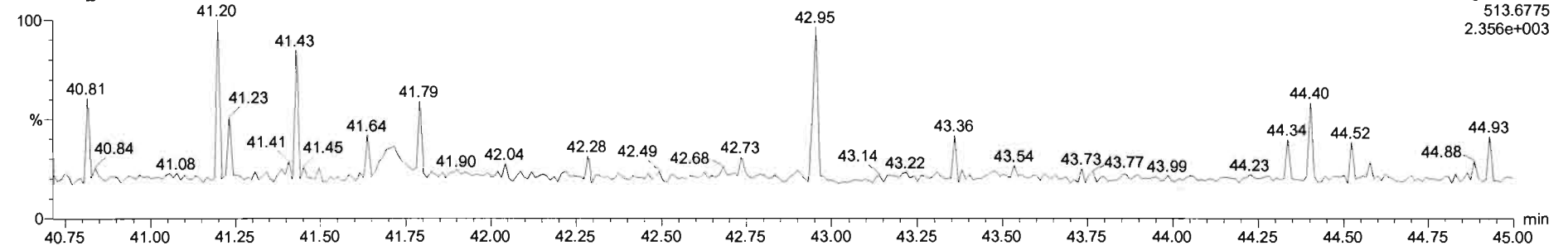


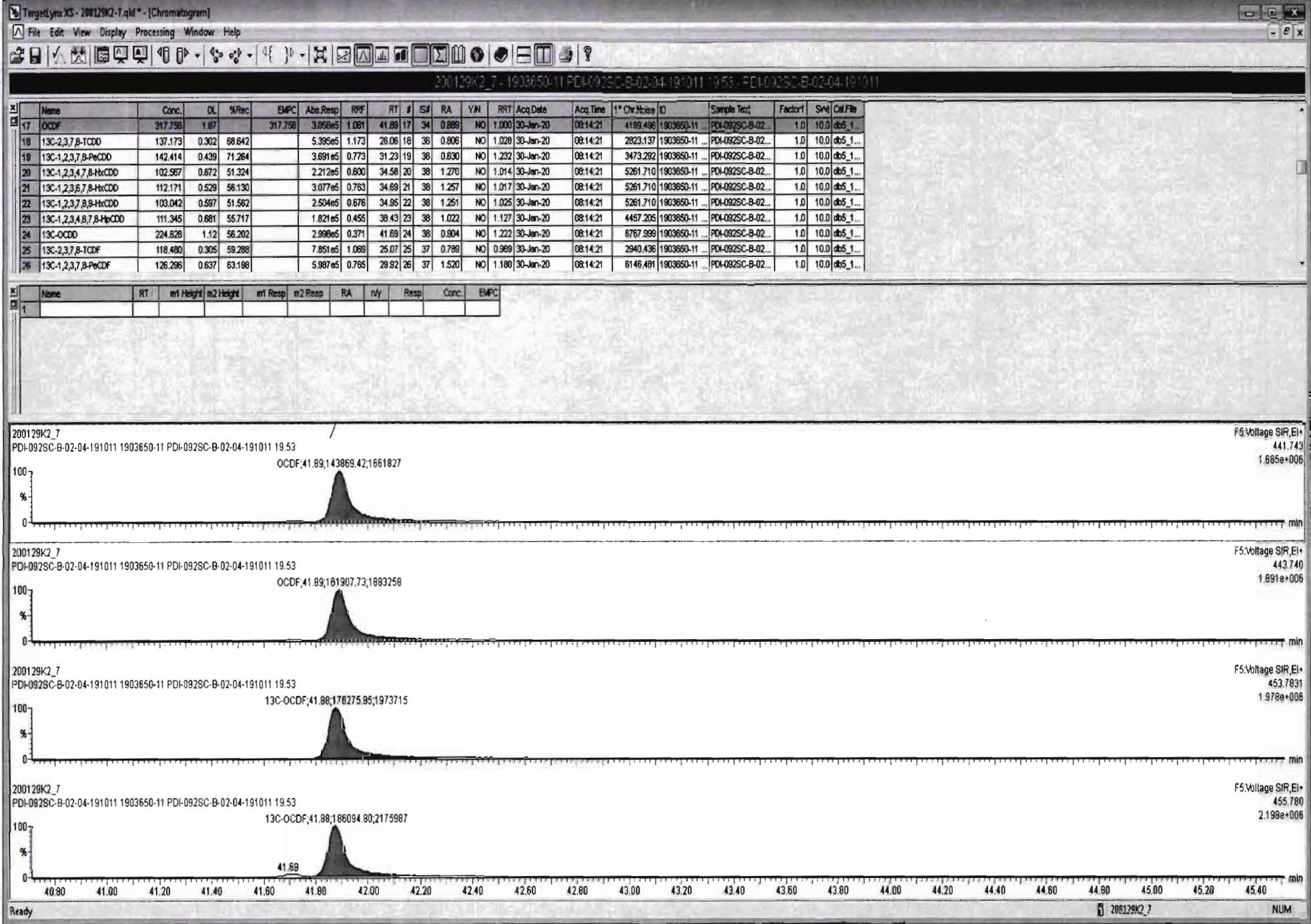
200129K2_7



DPE5

200129K2_7



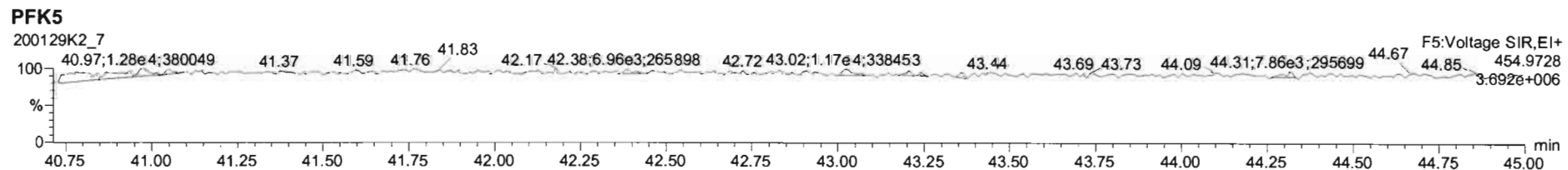
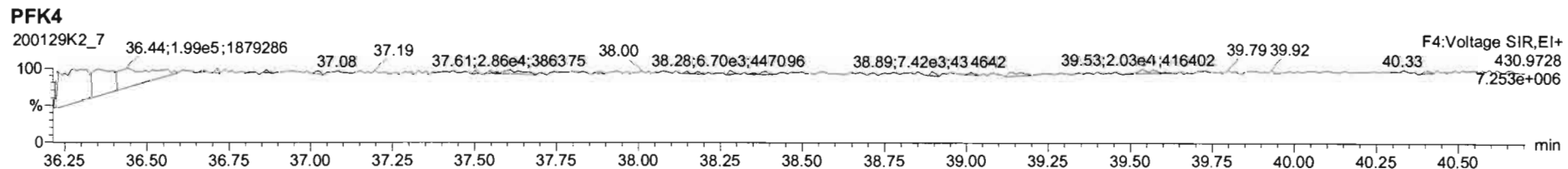
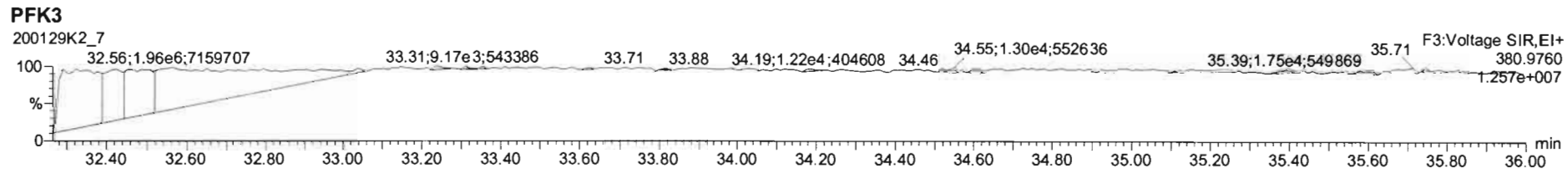
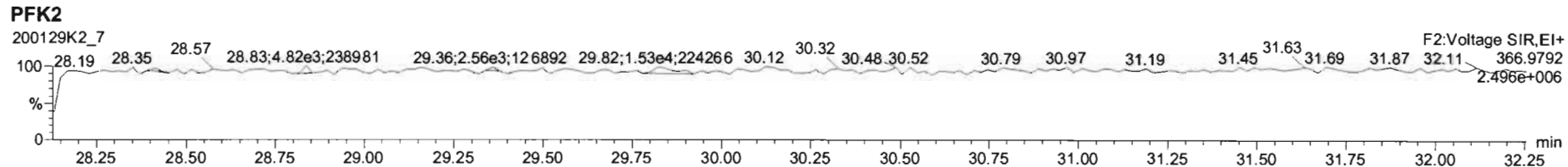
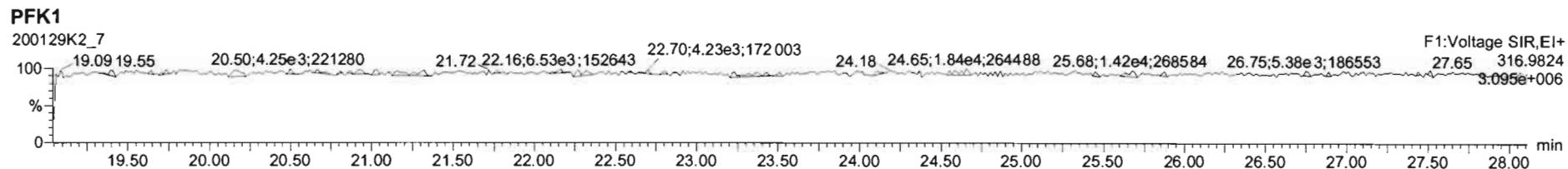


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Last Altered: Thursday, January 30, 2020 11:05:42 Pacific Standard Time

Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

Name: 200129K2_7, Date: 30-Jan-2020, Time: 08:14:21, ID: 1903650-11 PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011



Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\200129K2\200129K2-14.qld
 Last Altered: Wednesday, February 05, 2020 14:11:55 Pacific Standard Time
 Printed: Wednesday, February 05, 2020 14:50:48 Pacific Standard Time

July 02-05-2020 CT 02/06/2020

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19
 Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K2_14, Date: 30-Jan-2020, Time: 13:54:06, ID: 1903650-11@5X PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011

#	Name	Area	IS Area	Wt./Vol.	RRF	RA	Y/N	Pred...	RRT	Pred.RT	RT	Conc.	%Rec	EMPC	DL
1	7 OCDD	1.17e6	2.87e4	10.0080 ✓	0.901	NO	1.000	1.000	41.68	41.69	15541			15500	26.5
2	24 13C-OCDD	2.87e4	7.98e4	10.0080	0.901	NO	1.222	1.222	41.67	41.68	193.88	48.5			3.25
3	38 13C-1,2,3,4,6,9-Hx...	7.98e4	7.98e4	10.0080	0.487	NO	1.000	1.000	34.10	34.11	199.84	100.0			2.49

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\200129K2\200129K2-14.qld

Last Altered: Wednesday, February 05, 2020 14:11:55 Pacific Standard Time

Printed: Wednesday, February 05, 2020 14:50:48 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K2_14, Date: 30-Jan-2020, Time: 13:54:06, ID: 1903650-11@5X PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011

Tetra-Dioxins

#	Name	N/Y	RT	Area	IS Area	Response	Primary Flags	Conc.	EMPC
1	39 Total Tetra-Dioxins	NO	21.76	274.387	28902.479	18.156	bb	1.9236	1.92

Penta-Dioxins

#	Name	N/Y	RT	Area	IS Area	Response	Primary Flags	Conc.	EMPC
1	40 Total Penta-Dioxins	NO	30.46	283.999	16621.908	33.782	bb	3.7614	3.76
2	40 Total Penta-Dioxins	NO	30.20	217.356	16621.908	25.738	bb	2.8658	2.87
3	40 Total Penta-Dioxins	YES	30.00	434.403	16621.908	0.000	bb	0.0000	4.74
4	40 Total Penta-Dioxins	NO	29.00	1150.629	16621.908	133.261	bb	14.8377	14.84

Hexa-Dioxins

#	Name	N/Y	RT	Area	IS Area	Response	Primary Flags	Conc.	EMPC
1	5 1,2,3,7,8,9-HxCDD	NO	34.98	490.460	15230.042	69.912	bb	7.1138	7.11
2	4 1,2,3,6,7,8-HxCDD	NO	34.71	2110.396	16979.813	248.359	bb	24.6479	24.65
3	41 Total Hexa-Dioxins	NO	33.94	11943.220	15076.871	1633.605	bd	162.1237	162.12
4	41 Total Hexa-Dioxins	YES	33.68	1241.262	15076.871	0.000	bb	0.0000	12.52
5	41 Total Hexa-Dioxins	NO	33.14	12267.457	15076.871	1648.767	bb	163.6284	163.63

Hepta-Dioxins

#	Name	N/Y	RT	Area	IS Area	Response	Primary Flags	Conc.	EMPC
1	6 1,2,3,4,6,7,8-HpCDD	NO	38.47	63308.793	9057.379	13275.689	bb	1248.7922	1248.79
2	42 Total Hepta-Dioxins	NO	37.62	4386.595	9057.379	888.638	db	83.5907	83.59
3	42 Total Hepta-Dioxins	NO	37.43	90769.828	9057.379	18973.018	bd	1784.7178	1784.72

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\200129K2\200129K2-14.qld

Last Altered: Wednesday, February 05, 2020 14:11:55 Pacific Standard Time

Printed: Wednesday, February 05, 2020 14:50:48 Pacific Standard Time

Name: 200129K2_14, Date: 30-Jan-2020, Time: 13:54:06, ID: 1903650-11@5X PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011

Tetra-Furans

#	Name	N/Y	RT	Area	IS Area	Response	Primary Flags	Conc.	EMPC
1	43 Total Tetra-Furans	NO	19.70	299.033	43809.137	12.896	bb	1.3284	1.33
2	43 Total Tetra-Furans	YES	27.80	335.013	43809.137	0.000	bb	0.0000	1.02
3	43 Total Tetra-Furans	NO	27.27	1043.089	43809.137	46.898	bb	4.8309	4.83
4	43 Total Tetra-Furans	NO	26.99	730.047	43809.137	31.253	db	3.2194	3.22
5	43 Total Tetra-Furans	NO	26.83	482.129	43809.137	23.404	bd	2.4108	2.41
6	43 Total Tetra-Furans	NO	24.17	872.092	43809.137	39.186	db	4.0366	4.04
7	43 Total Tetra-Furans	YES	24.03	307.435	43809.137	0.000	bd	0.0000	1.43
8	43 Total Tetra-Furans	NO	23.35	2388.862	43809.137	114.520	db	11.7967	11.80
9	43 Total Tetra-Furans	YES	23.16	234.012	43809.137	0.000	bd	0.0000	1.09
10	43 Total Tetra-Furans	NO	22.16	3038.064	43809.137	144.123	bb	14.8461	14.85
11	43 Total Tetra-Furans	NO	21.69	2584.291	43809.137	114.297	bb	11.7737	11.77
12	43 Total Tetra-Furans	YES	21.21	240.502	43809.137	0.000	bd	0.0000	1.12
13	43 Total Tetra-Furans	NO	20.77	6312.993	43809.137	293.575	bb	30.2410	30.24
14	43 Total Tetra-Furans	NO	20.20	972.719	43809.137	43.756	bb	4.5072	4.51

Penta-Furans function 1

#	Name	N/Y	RT	Area	IS Area	Response	Primary Flags	Conc.	EMPC
1	44 1st Func. Penta-Furans	NO	27.28	28371.049	43411.594	1308.390	bb	136.4597	136.46

Penta-Furans

#	Name	N/Y	RT	Area	IS Area	Response	Primary Flags	Conc.	EMPC
1	10 2,3,4,7,8-PeCDF	NO	30.95	2980.386	40678.277	147.884	db	14.6682	14.67
2	45 Total Penta-Furans	NO	30.30	1062.731	43411.594	48.588	db	5.0675	5.07
3	45 Total Penta-Furans	NO	30.22	989.127	43411.594	46.499	bd	4.8497	4.85
4	45 Total Penta-Furans	NO	29.54	3126.859	43411.594	149.703	bb	15.6134	15.61
5	45 Total Penta-Furans	NO	28.93	7988.289	43411.594	370.284	db	38.6191	38.62

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\200129K2\200129K2-14.qld

Last Altered: Wednesday, February 05, 2020 14:11:55 Pacific Standard Time

Printed: Wednesday, February 05, 2020 14:50:48 Pacific Standard Time

Name: 200129K2_14, Date: 30-Jan-2020, Time: 13:54:06, ID: 1903650-11@5X PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011

Hexa-Furans

#	Name	N/Y	RT	Area	IS Area	Response	Primary Flags	Conc.	EMPC
1	14 1,2,3,7,8,9-HxCDF	NO	35.35	383.457	11358.099	42.349	bb	3.7286	3.73
2	13 2,3,4,6,7,8-HxCDF	NO	34.43	1970.459	13734.421	169.685	bb	13.9767	13.98
3	12 1,2,3,6,7,8-HxCDF	NO	33.87	1948.080	17843.678	145.600	db	12.7269	12.73
4	11 1,2,3,4,7,8-HxCDF	NO	33.76	1429.977	15111.435	117.225	bd	10.0698	10.07
5	46 Total Hexa-Furans	NO	33.30	32456.646	14511.908	2792.812	bb	230.0397	230.04
6	46 Total Hexa-Furans	NO	32.76	21686.760	14511.908	1864.100	dd	153.5431	153.54
7	46 Total Hexa-Furans	NO	32.58	10672.687	14511.908	891.846	bd	73.4600	73.46

Hepta-Furans

#	Name	N/Y	RT	Area	IS Area	Response	Primary Flags	Conc.	EMPC
1	47 Total Hepta-Furans	NO	37.63	51109.996	6777.855	9250.927	bd	777.3451	777.35
2	15 1,2,3,4,6,7,8-HpCDF	NO	37.04	58869.469	8245.710	8383.814	bd	704.4826	704.48
3	16 1,2,3,4,7,8,9-HpCDF	NO	39.09	350.710	5310.001	84.677	bb	6.0886	6.09
4	47 Total Hepta-Furans	YES	37.83	802.739	6777.855	0.000	dd	0.0000	5.20

Dataset: U:\VG11.PRO\Results\200129K2\200129K2-14.qld

Last Altered: Wednesday, February 05, 2020 13:52:18 Pacific Standard Time
Printed: Wednesday, February 05, 2020 13:52:42 Pacific Standard Time

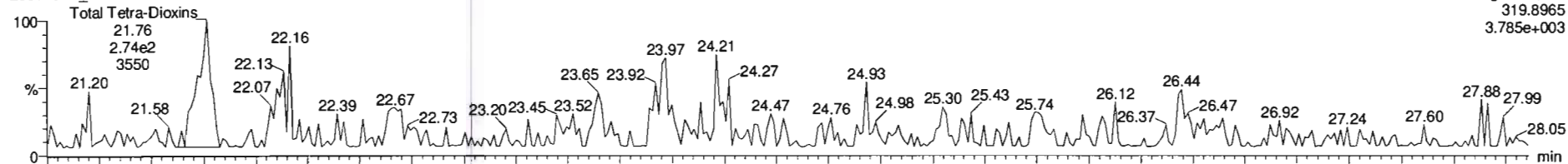
July 02-05-2020

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19
Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

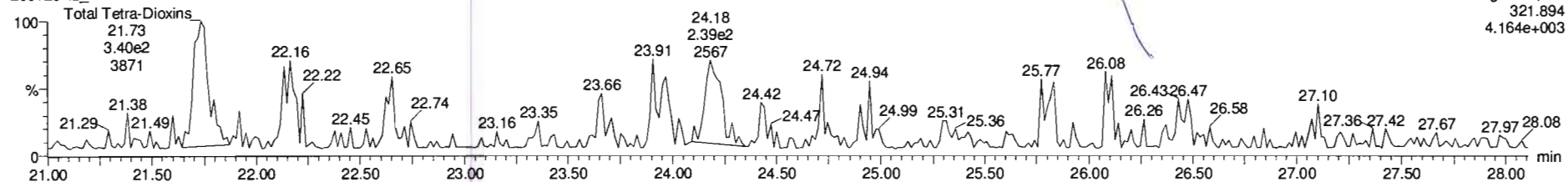
Name: 200129K2_14, Date: 30-Jan-2020, Time: 13:54:06, ID: 1903650-11@5X PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011

2,3,7,8-TCDD

200129K2_14

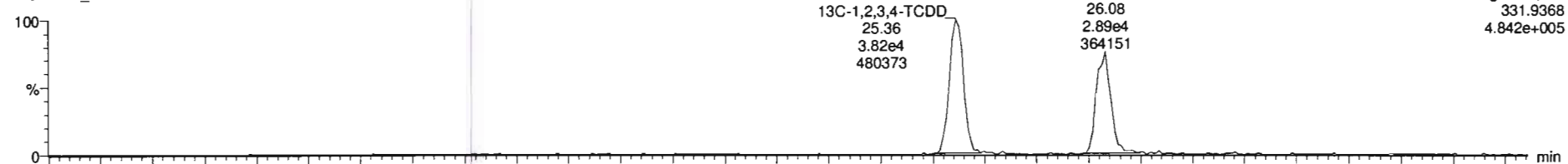


200129K2_14

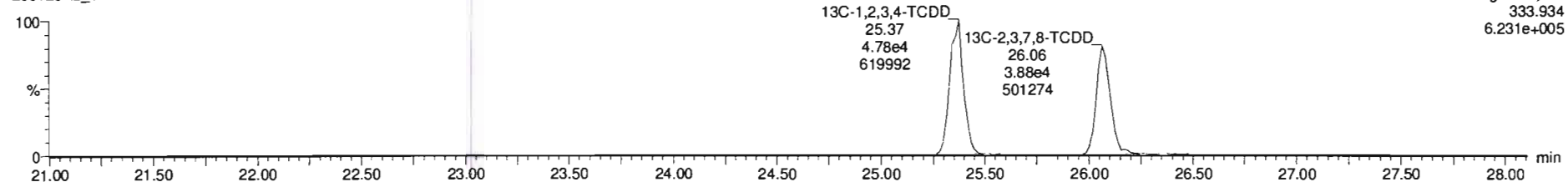


13C-2,3,7,8-TCDD

200129K2_14



200129K2_14



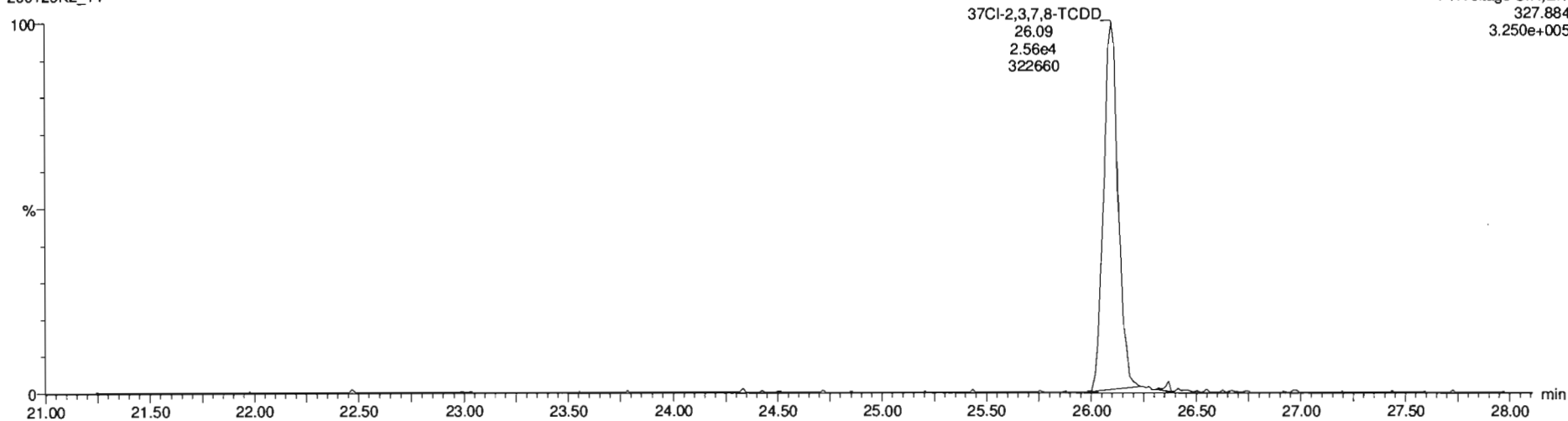
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Last Altered: Wednesday, February 05, 2020 13:52:18 Pacific Standard Time
Printed: Wednesday, February 05, 2020 13:52:42 Pacific Standard Time

Name: 200129K2_14, Date: 30-Jan-2020, Time: 13:54:06, ID: 1903650-11@5X PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011

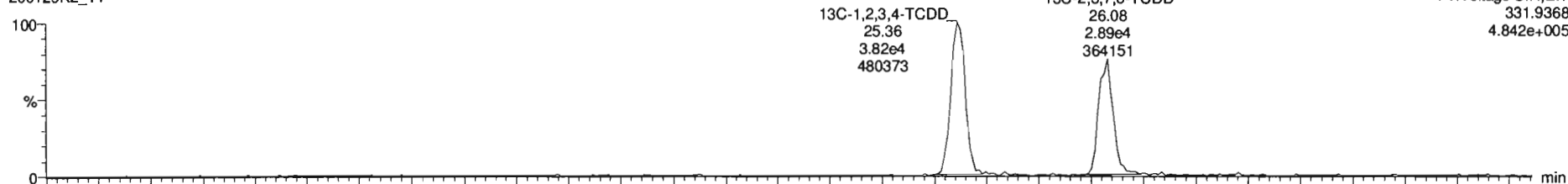
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200129K2_14

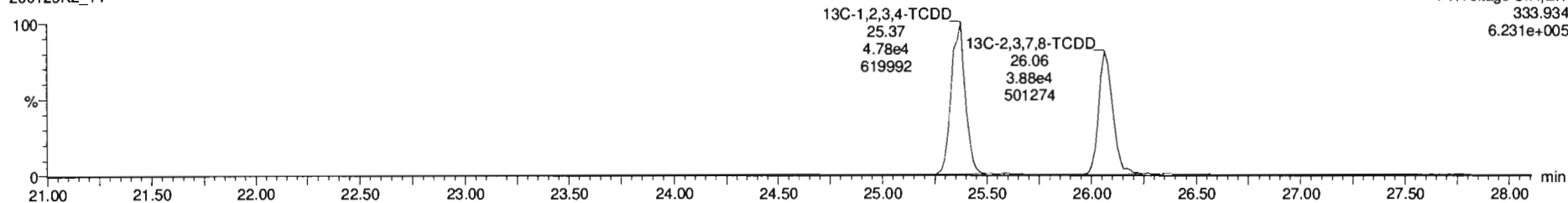


13C-1,2,3,4-TCDD

200129K2_14



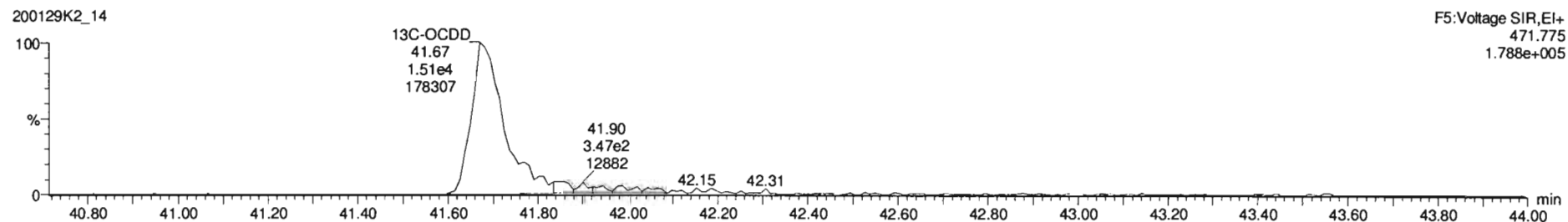
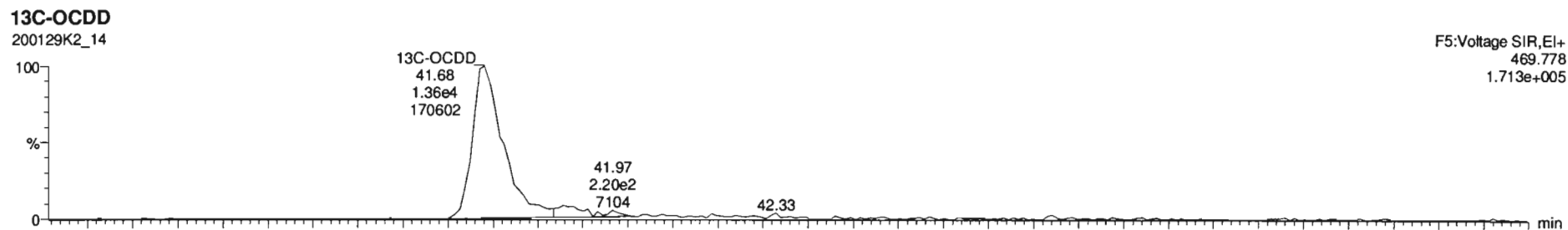
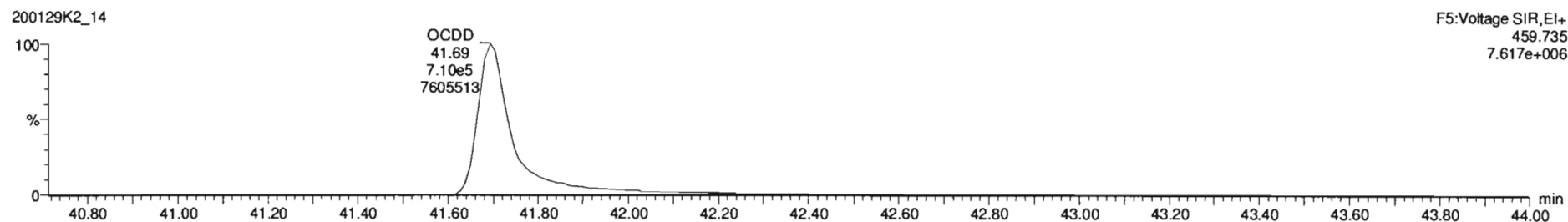
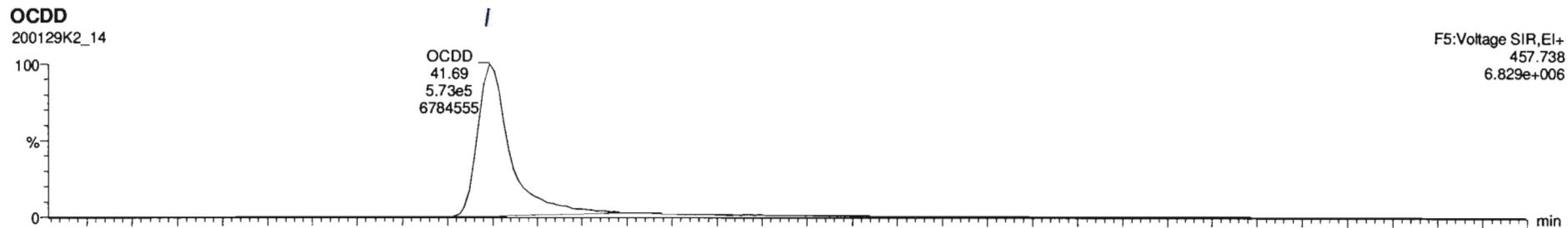
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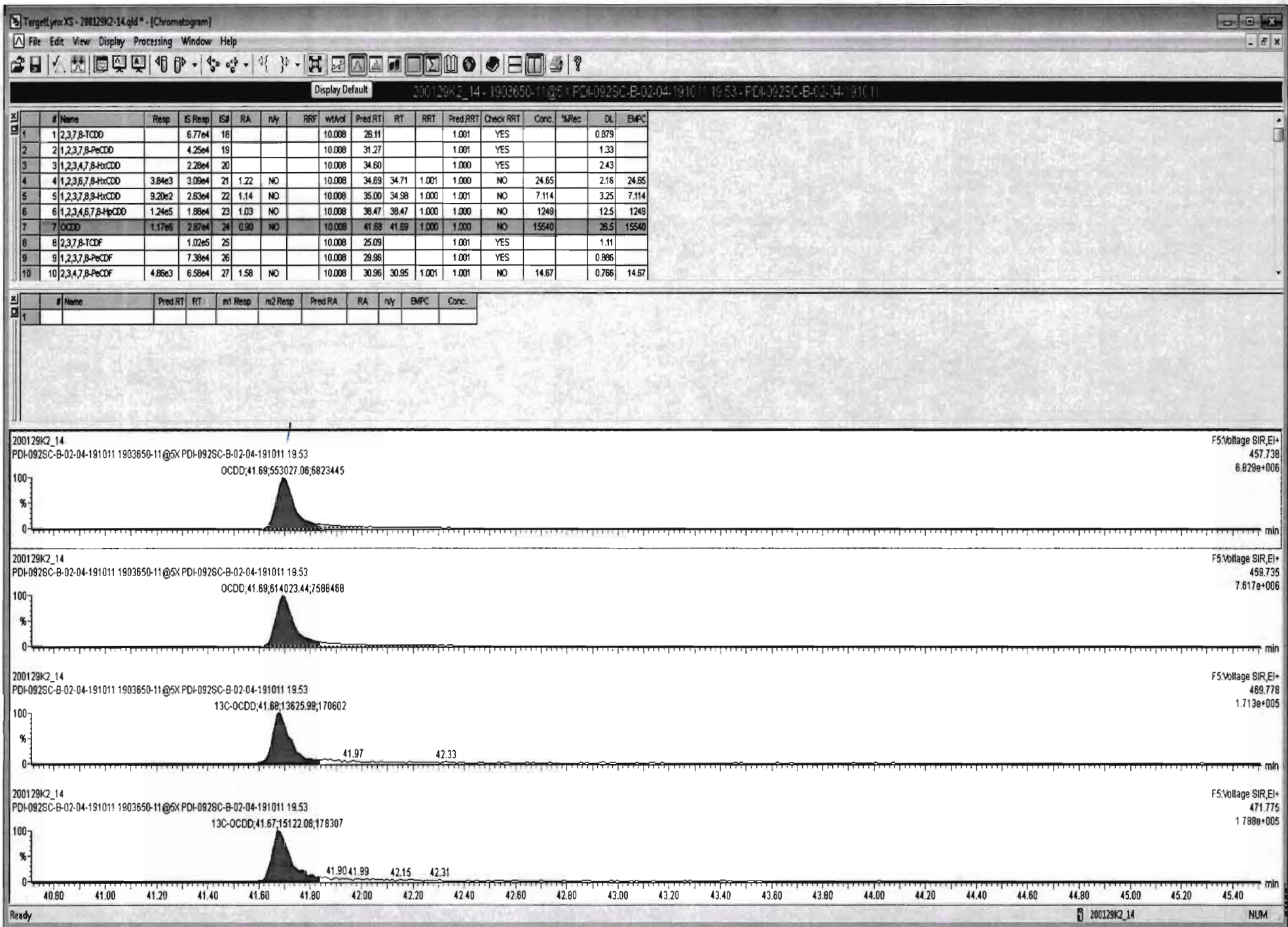


Dataset: U:\VG11.PRO\Results\200129K2\200129K2-14.qld

Last Altered: Wednesday, February 05, 2020 13:52:18 Pacific Standard Time
Printed: Wednesday, February 05, 2020 13:52:42 Pacific Standard Time

Name: 200129K2_14, Date: 30-Jan-2020, Time: 13:54:06, ID: 1903650-11@5X PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011



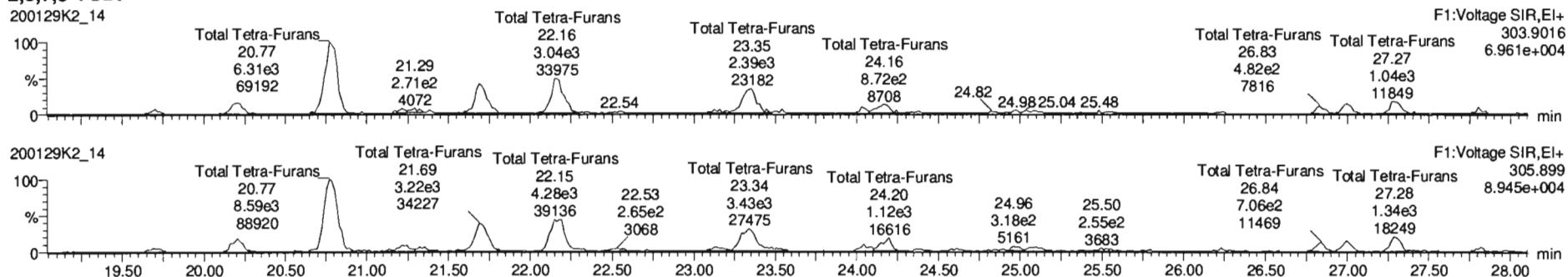


Dataset: U:\VG11.PRO\Results\200129K2\200129K2-14.qld

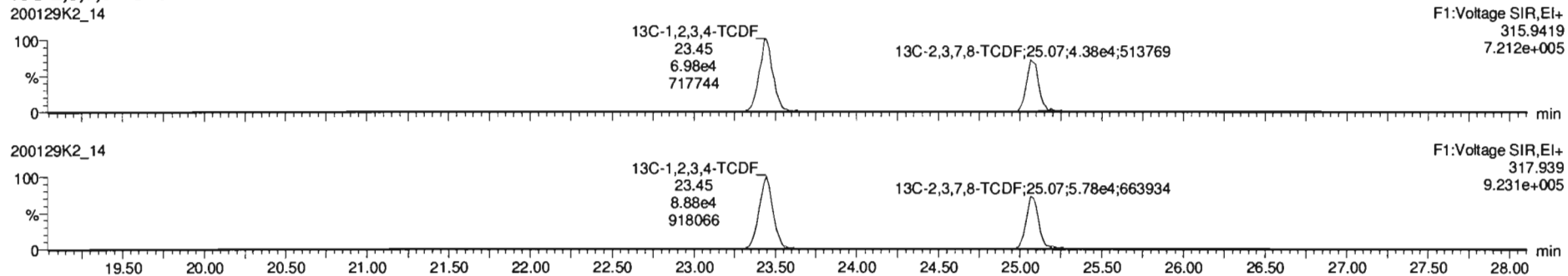
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Name: 200129K2_14, Date: 30-Jan-2020, Time: 13:54:06, ID: 1903650-11@5X PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011

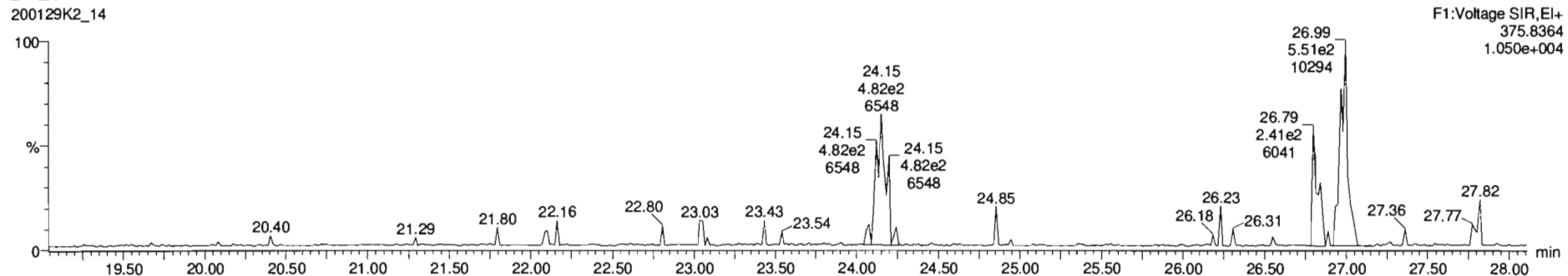
2,3,7,8-TCDF



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



DPE1

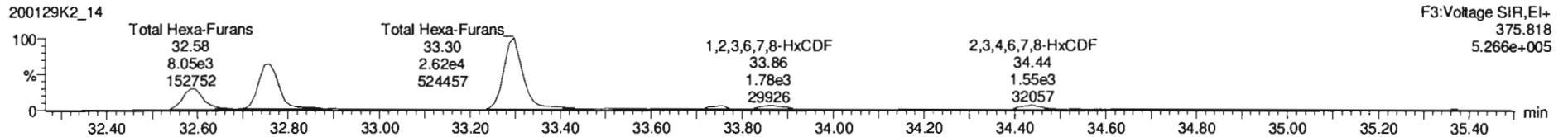
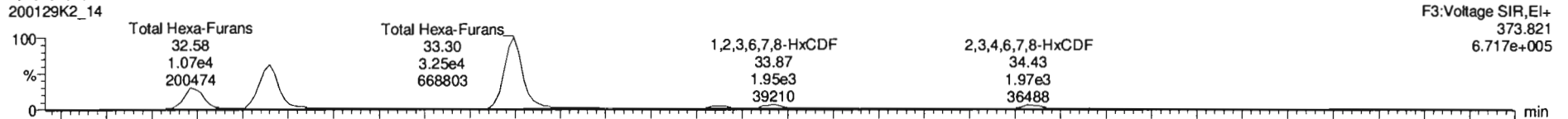


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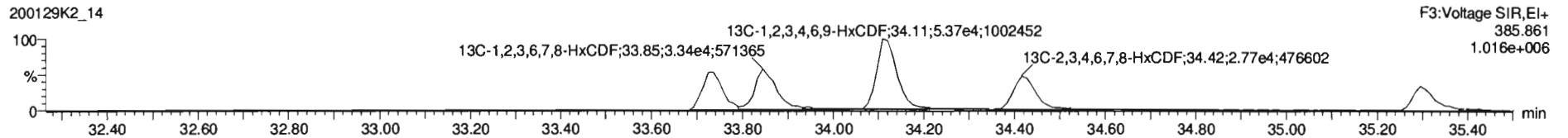
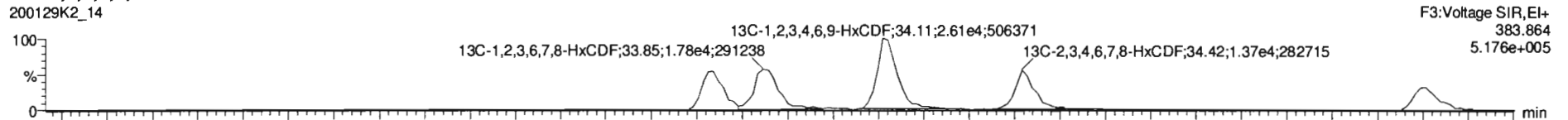
Last Altered: Wednesday, February 05, 2020 13:52:18 Pacific Standard Time
Printed: Wednesday, February 05, 2020 13:52:42 Pacific Standard Time

Name: 200129K2_14, Date: 30-Jan-2020, Time: 13:54:06, ID: 1903650-11@5X PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011

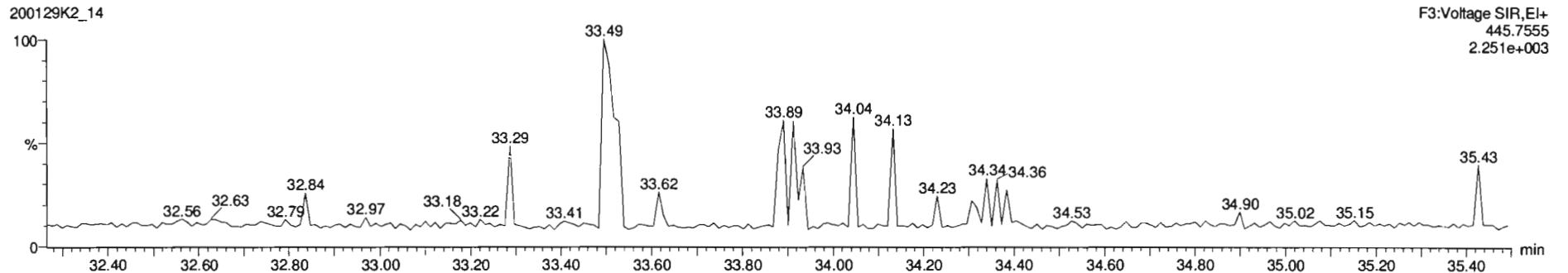
1,2,3,4,7,8-HxCDF



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



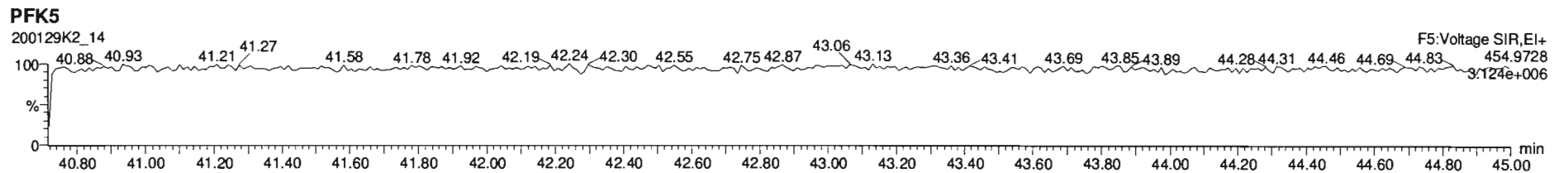
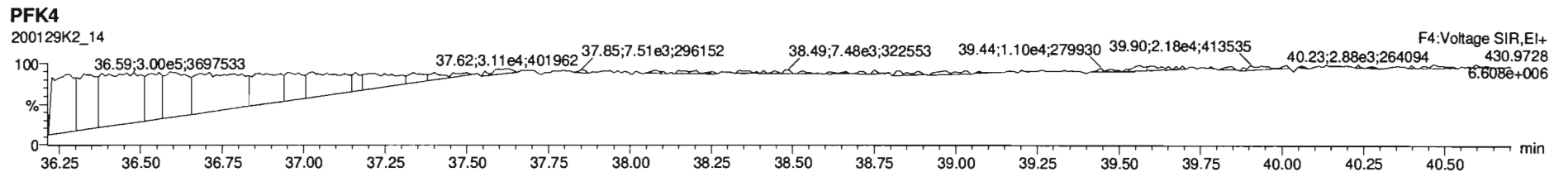
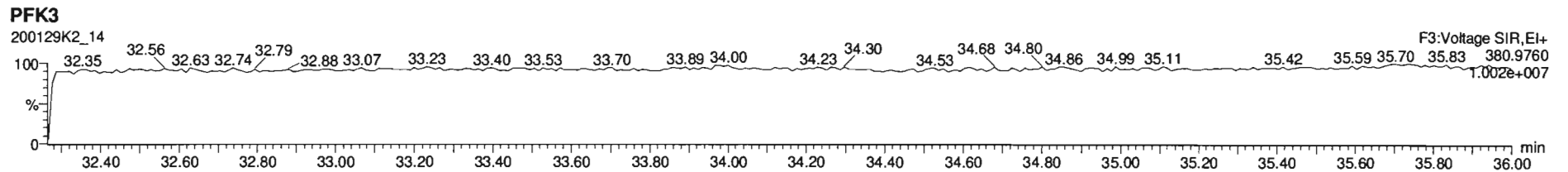
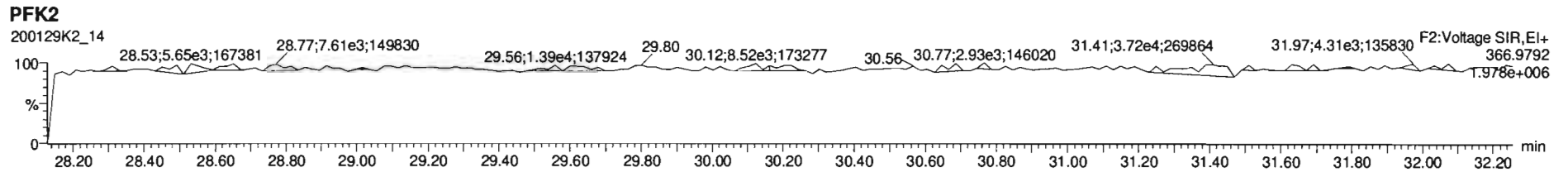
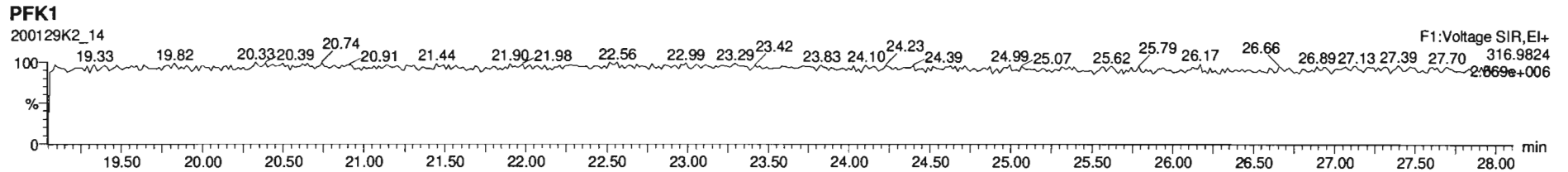
DPE3



Dataset: U:\VG11.PRO\Results\200129K2\200129K2-14.qld

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Printed: Wednesday, February 05, 2020 13:52:42 Pacific Standard Time

Name: 200129K2_14, Date: 30-Jan-2020, Time: 13:54:06, ID: 1903650-11@5X PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011



Dataset: U:\VG11.PRO\Results\200129K2\200129K2-8.qld

Last Altered: Tuesday, February 11, 2020 12:15:10 Pacific Standard Time

Printed: Tuesday, February 11, 2020 12:18:36 Pacific Standard Time

HN 02/11/2020

C1 02/11/2020

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K2_8, Date: 30-Jan-2020, Time: 09:02:45, ID: 1903650-12 PDI-092SC-B-04-06-191011 17.8, Description: PDI-092SC-B-04-06-191011

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD				0.943	10.003	26.09		1.00		YES			0.136	
2	2 1,2,3,7,8-PeCDD	1141.262	0.730	YES	0.897	10.003	31.25	31.25	1.00	1.00	NO	0.8545		0.173	0.8051
3	3 1,2,3,4,7,8-HxCDD				1.17	10.003	34.59		1.00		YES			0.224	
4	4 1,2,3,6,7,8-HxCDD	1107.217	1.294	NO	1.01	10.003	34.68	34.70	1.00	1.00	NO	0.9267		0.234	0.9267
5	5 1,2,3,7,8,9-HxCDD				0.982	10.003	34.99		1.00		YES			0.276	
6	6 1,2,3,4,6,7,8-HpCDD	3803.497	1.126	NO	1.06	10.003	38.44	38.44	1.00	1.00	NO	5.493		0.569	5.493
7	7 OCDD	46850.986	0.911	NO	1.04	10.003	41.68	41.69	1.00	1.00	NO	74.35		1.11	74.35
8	8 2,3,7,8-TCDF	2963.214	0.721	NO	0.970	10.003	25.09	25.10	1.00	1.00	NO	0.6937	(0.456)	0.151	0.6937
9	9 1,2,3,7,8-PeCDF				0.958	10.003	29.94		1.00		YES			0.272	
10	10 2,3,4,7,8-PeCDF	3498.425	1.416	NO	1.01	10.003	30.95	30.95	1.00	1.00	NO	1.452		0.282	1.452
11	11 1,2,3,4,7,8-HxCDF	3004.292	1.223	NO	1.16	10.003	33.72	33.75	1.00	1.00	NO	1.596		0.248	1.596
12	12 1,2,3,6,7,8-HxCDF	2422.565	1.178	NO	1.14	10.003	33.86	33.86	1.00	1.00	NO	1.235		0.235	1.235
13	13 2,3,4,6,7,8-HxCDF	3828.242	1.198	NO	1.21	10.003	34.45	34.43	1.00	1.00	NO	2.178		0.269	2.178
14	14 1,2,3,7,8,9-HxCDF	608.315	1.326	NO	1.13	10.003	35.29	35.36	1.00	1.00	NO	0.4669		0.395	0.4669
15	15 1,2,3,4,6,7,8-HpCDF	7795.102	1.016	NO	1.19	10.003	37.05	37.03	1.00	1.00	NO	6.183		0.243	6.183
16	16 1,2,3,4,7,8,9-HpCDF	409.769	0.958	NO	1.39	10.003	39.07	39.07	1.00	1.00	NO	0.4745		0.352	0.4745
17	17 OCDF	2361.151	0.934	NO	1.06	10.003	41.87	41.88	1.00	1.00	NO	2.887		0.212	2.887
18	18 13C-2,3,7,8-TCDD	569443.875	0.783	NO	1.17	10.003	26.05	26.06	1.03	1.03	NO	130.3	65.2	0.251	
19	19 13C-1,2,3,7,8-PeCDD	297569.844	0.631	NO	0.773	10.003	31.23	31.23	1.23	1.23	NO	103.4	51.7	0.325	
20	20 13C-1,2,3,4,7,8-HxCDD	191576.602	1.208	NO	0.600	10.003	34.58	34.58	1.01	1.01	NO	108.6	54.3	0.690	
21	21 13C-1,2,3,6,7,8-HxCDD	237266.594	1.295	NO	0.763	10.003	34.68	34.68	1.02	1.02	NO	105.7	52.9	0.542	
22	22 13C-1,2,3,7,8,9-HxCDD	205514.476	1.277	NO	0.676	10.003	34.95	34.95	1.02	1.02	NO	103.4	51.7	0.612	
23	23 13C-1,2,3,4,6,7,8-HpCDD	130330.594	1.090	NO	0.455	10.003	38.44	38.43	1.13	1.13	NO	97.39	48.7	0.666	
24	24 13C-OCDD	241338.125	0.902	NO	0.371	10.003	41.67	41.68	1.22	1.22	NO	221.0	55.3	1.17	
25	25 13C-2,3,7,8-TCDF	880501.844	0.779	NO	1.07	10.003	25.07	25.07	0.99	0.99	NO	123.1	61.6	0.307	
26	26 13C-1,2,3,7,8-PeCDF	513999.876	1.613	NO	0.765	10.003	29.92	29.92	1.18	1.18	NO	100.4	50.2	0.528	
27	27 13C-2,3,4,7,8-PeCDF	478223.156	1.598	NO	0.726	10.003	30.93	30.93	1.22	1.22	NO	98.44	49.2	0.557	
28	28 13C-1,2,3,4,7,8-HxCDF	323513.398	0.508	NO	0.965	10.003	33.72	33.72	0.99	0.99	NO	114.0	57.0	0.777	
29	29 13C-1,2,3,6,7,8-HxCDF	343122.321	0.514	NO	1.09	10.003	33.84	33.85	0.99	0.99	NO	106.6	53.3	0.685	
30	30 13C-2,3,4,6,7,8-HxCDF	289647.726	0.518	NO	0.984	10.003	34.41	34.42	1.01	1.01	NO	100.1	50.1	0.762	
31	31 13C-1,2,3,7,8,9-HxCDF	229538.078	0.521	NO	0.790	10.003	35.31	35.29	1.04	1.03	NO	98.73	49.4	0.948	

Dataset: U:\VG11.PRO\Results\200129K2\200129K2-8.qld

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Name: 200129K2_8, Date: 30-Jan-2020, Time: 09:02:45, ID: 1903650-12 PDI-092SC-B-04-06-191011 17.8, Description: PDI-092SC-B-04-06-191011

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	211991.406	0.459	NO	0.734	10.003	37.02	37.02	1.09	1.09	NO	98.25	49.1	0.688	
33	33 13C-1,2,3,4,7,8,9-HpCDF	124261.727	0.436	NO	0.459	10.003	39.04	39.07	1.14	1.15	NO	92.09	46.1	1.10	
34	34 13C-OCDF	308148.015	0.910	NO	0.500	10.003	41.91	41.87	1.23	1.23	NO	209.4	52.4	1.09	
35	35 37Cl-2,3,7,8-TCDD	208826.641			1.12	10.003	26.07	26.09	1.03	1.03	NO	49.88	62.4	0.0757	
36	36 13C-1,2,3,4-TCDD	744494.000	0.789	NO	1.00	10.003	25.36	25.36	1.00	1.00	NO	199.9	100	0.294	
37	37 13C-1,2,3,4-TCDF	1337608.0...	0.797	NO	1.00	10.003	23.43	23.43	1.00	1.00	NO	199.9	100	0.328	
38	38 13C-1,2,3,4,6,9-HxCDF	588121.016	0.531	NO	1.00	10.003	34.10	34.11	1.00	1.00	NO	199.9	100	0.750	
39	39 Total Tetra-Dioxins				0.943	10.003	24.62		0.00		NO	4.320		0.136	4.816
40	40 Total Penta-Dioxins				0.897	10.003	29.96		0.00		NO	8.339		0.173	10.53
41	41 Total Hexa-Dioxins				1.01	10.003	33.63		0.00		NO	11.68		0.253	11.68
42	42 Total Hepta-Dioxins				1.06	10.003	38.80		0.00		NO	14.92		0.569	14.92
43	43 Total Tetra-Furans				0.970	10.003	23.61		0.00		NO	31.33		0.151	34.11
44	44 1st Func. Penta-Furans				0.958	10.003	27.04		0.00		NO	34.86		0.0709	34.86
45	45 Total Penta-Furans				0.958	10.003	29.27		0.00		NO	26.48		0.284	26.48
46	46 Total Hexa-Furans				1.21	10.003	33.56		0.00		NO	30.66		0.266	30.66
47	47 Total Hepta-Furans				1.19	10.003	37.83		0.00		NO	12.49		0.305	12.49

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Dataset: U:\VG11.PRO\Results\200129K2\200129K2-8.qld

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Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K2_8, Date: 30-Jan-2020, Time: 09:02:45, ID: 1903650-12 PDI-092SC-B-04-06-191011 17.8, Description: PDI-092SC-B-04-06-191011

Tetra-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	39 Total Tetra-Dioxins	2.64e3	5.69e5	0.815	NO	24.62	21.73	0.9842	0.9842
2	39 Total Tetra-Dioxins	1.60e3	5.69e5	0.761	NO	24.62	22.15	0.5970	0.5970
3	39 Total Tetra-Dioxins	0.00e0	5.69e5	0.623	YES	24.62	22.65	0.0000	0.2584
4	39 Total Tetra-Dioxins	2.83e3	5.69e5	0.706	NO	24.62	23.94	1.054	1.054
5	39 Total Tetra-Dioxins	2.02e3	5.69e5	0.719	NO	24.62	24.18	0.7512	0.7512
6	39 Total Tetra-Dioxins	7.06e2	5.69e5	0.777	NO	24.62	24.44	0.2630	0.2630
7	39 Total Tetra-Dioxins	8.87e2	5.69e5	0.780	NO	24.62	24.93	0.3304	0.3304
8	39 Total Tetra-Dioxins	0.00e0	5.69e5	1.017	YES	24.62	26.47	0.0000	0.2378
9	39 Total Tetra-Dioxins	9.12e2	5.69e5	0.794	NO	24.62	25.79	0.3397	0.3397

Penta-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	40 Total Penta-Dioxins	4.35e3	2.98e5	0.711	NO	29.96	29.00	3.255	3.255
2	40 Total Penta-Dioxins	0.00e0	2.98e5	0.787	YES	29.96	29.48	0.0000	0.4086
3	40 Total Penta-Dioxins	2.26e3	2.98e5	0.694	NO	29.96	29.98	1.694	1.694
4	40 Total Penta-Dioxins	2.24e3	2.98e5	0.673	NO	29.96	30.16	1.677	1.677
5	40 Total Penta-Dioxins	0.00e0	2.98e5	0.453	YES	29.96	30.24	0.0000	0.6566
6	40 Total Penta-Dioxins	2.05e3	2.98e5	0.685	NO	29.96	30.52	1.536	1.536
7	2 1,2,3,7,8-PeCDD	1.14e3	2.98e5	0.730	YES	31.25	31.25	0.0000	0.8051
8	40 Total Penta-Dioxins	0.00e0	2.98e5	0.423	YES	29.96	31.63	0.0000	0.3239
9	40 Total Penta-Dioxins	2.38e2	2.98e5	0.667	NO	29.96	31.33	0.1783	0.1783

Dataset: U:\VG11.PRO\Results\200129K2\200129K2-8.qld

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Name: 200129K2_8, Date: 30-Jan-2020, Time: 09:02:45, ID: 1903650-12 PDI-092SC-B-04-06-191011 17.8, Description: PDI-092SC-B-04-06-191011

Hexa-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	41 Total Hexa-Dioxins	4.17e3	0.00e0	1.261	NO	33.63	33.13	3.919	3.919
2	41 Total Hexa-Dioxins	1.04e3	0.00e0	1.143	NO	33.63	33.69	0.9777	0.9777
3	41 Total Hexa-Dioxins	6.24e3	0.00e0	1.290	NO	33.63	33.94	5.856	5.856
4	4 1,2,3,6,7,8-HxCDD	1.11e3	2.37e5	1.294	NO	34.68	34.70	0.9267	0.9267

Hepta-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	42 Total Hepta-Dioxins	6.53e3	1.30e5	1.024	NO	38.80	37.42	9.424	9.424
2	6 1,2,3,4,6,7,8-HpCDD	3.80e3	1.30e5	1.126	NO	38.44	38.44	5.493	5.493

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Name: 200129K2_8, Date: 30-Jan-2020, Time: 09:02:45, ID: 1903650-12 PDI-092SC-B-04-06-191011 17.8, Description: PDI-092SC-B-04-06-191011

Tetra-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	43 Total Tetra-Furans	2.44e3	8.81e5	0.866	NO	23.61	19.67	0.5704	0.5704
2	43 Total Tetra-Furans	8.96e3	8.81e5	0.733	NO	23.61	20.20	2.097	2.097
3	43 Total Tetra-Furans	3.66e4	8.81e5	0.801	NO	23.61	20.77	8.567	8.567
4	43 Total Tetra-Furans	7.58e3	8.81e5	0.793	NO	23.61	21.22	1.775	1.775
5	43 Total Tetra-Furans	1.66e4	8.81e5	0.817	NO	23.61	21.69	3.888	3.888
6	43 Total Tetra-Furans	2.21e4	8.81e5	0.759	NO	23.61	22.18	5.167	5.167
7	43 Total Tetra-Furans	1.96e3	8.81e5	0.779	NO	23.61	22.50	0.4587	0.4587
8	43 Total Tetra-Furans	0.00e0	8.81e5	0.599	YES	23.61	22.96	0.0000	0.1077
9	43 Total Tetra-Furans	3.11e3	8.81e5	0.789	NO	23.61	23.14	0.7290	0.7290
10	43 Total Tetra-Furans	0.00e0	8.81e5	0.759	NO	23.61	23.32	0.0000	2.678
11	43 Total Tetra-Furans	9.52e3	8.81e5	0.845	NO	23.61	23.34	2.228	2.228
12	43 Total Tetra-Furans	3.52e3	8.81e5	0.668	NO	23.61	24.06	0.8241	0.8241
13	43 Total Tetra-Furans	2.79e3	8.81e5	0.802	NO	23.61	24.15	0.6530	0.6530
14	43 Total Tetra-Furans	9.00e2	8.81e5	0.679	NO	23.61	24.38	0.2107	0.2107
15	43 Total Tetra-Furans	1.33e3	8.81e5	0.847	NO	23.61	24.62	0.3117	0.3117
16	43 Total Tetra-Furans	9.47e2	8.81e5	0.763	NO	23.61	24.85	0.2216	0.2216
17	43 Total Tetra-Furans	2.24e3	8.81e5	0.854	NO	23.61	24.98	0.5253	0.5253
18	8 2,3,7,8-TCDF	2.96e3	8.81e5	0.721	NO	25.09	25.10	0.6937	0.6937
19	43 Total Tetra-Furans	1.73e3	8.81e5	0.661	NO	23.61	25.50	0.4049	0.4049
20	43 Total Tetra-Furans	1.78e3	8.81e5	0.746	NO	23.61	26.81	0.4176	0.4176
21	43 Total Tetra-Furans	2.14e3	8.81e5	0.875	NO	23.61	27.01	0.5018	0.5018
22	43 Total Tetra-Furans	4.63e3	8.81e5	0.822	NO	23.61	27.28	1.083	1.083

Penta-Furans function 1

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	44 1st Func. Penta-Fura...	8.29e4	0.00e0	1.538	NO	27.04	27.28	34.86	34.86

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Penta-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	45 Total Penta-Furans	2.67e3	0.00e0	1.778	NO	29.27	28.77	1.124	1.124
2	45 Total Penta-Furans	3.07e4	0.00e0	1.625	NO	29.27	28.93	12.93	12.93
3	45 Total Penta-Furans	1.18e4	0.00e0	1.615	NO	29.27	29.54	4.978	4.978
4	45 Total Penta-Furans	4.00e3	0.00e0	1.550	NO	29.27	30.20	1.683	1.683
5	45 Total Penta-Furans	1.52e3	0.00e0	1.505	NO	29.27	30.30	0.6394	0.6394
6	45 Total Penta-Furans	8.72e3	0.00e0	1.594	NO	29.27	30.97	3.670	3.670
7	10 2,3,4,7,8-PeCDF	3.50e3	4.78e5	1.416	NO	30.95	30.95	1.452	1.452

Hexa-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	46 Total Hexa-Furans	4.13e3	0.00e0	1.367	NO	33.56	32.58	2.297	2.297
2	46 Total Hexa-Furans	2.25e4	0.00e0	1.202	NO	33.56	32.75	12.49	12.49
3	46 Total Hexa-Furans	1.87e4	0.00e0	1.284	NO	33.56	33.29	10.40	10.40
4	11 1,2,3,4,7,8-HxCDF	3.00e3	3.24e5	1.223	NO	33.72	33.75	1.596	1.596
5	12 1,2,3,6,7,8-HxCDF	2.42e3	3.43e5	1.178	NO	33.86	33.86	1.235	1.235
6	13 2,3,4,6,7,8-HxCDF	3.83e3	2.90e5	1.198	NO	34.45	34.43	2.178	2.178
7	14 1,2,3,7,8,9-HxCDF	6.08e2	2.30e5	1.326	NO	35.29	35.36	0.4669	0.4669

Hepta-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	15 1,2,3,4,6,7,8-HpCDF	7.80e3	2.12e5	1.016	NO	37.05	37.03	6.183	6.183
2	47 Total Hepta-Furans	5.83e3	0.00e0	1.041	NO	37.83	37.63	5.829	5.829
3	16 1,2,3,4,7,8,9-HpCDF	4.10e2	1.24e5	0.958	NO	39.07	39.07	0.4745	0.4745

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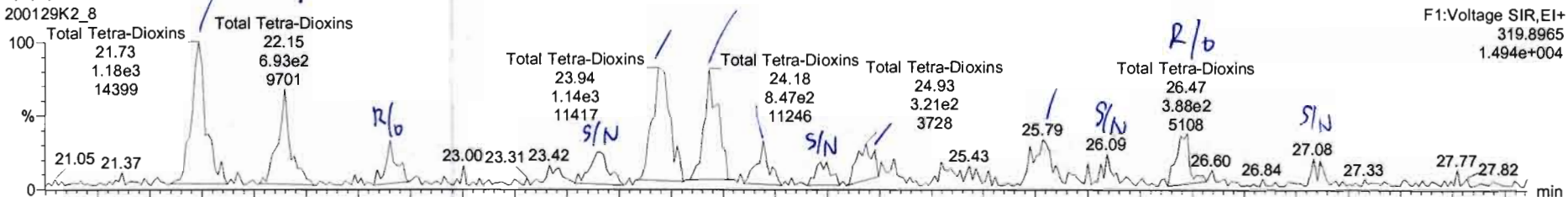
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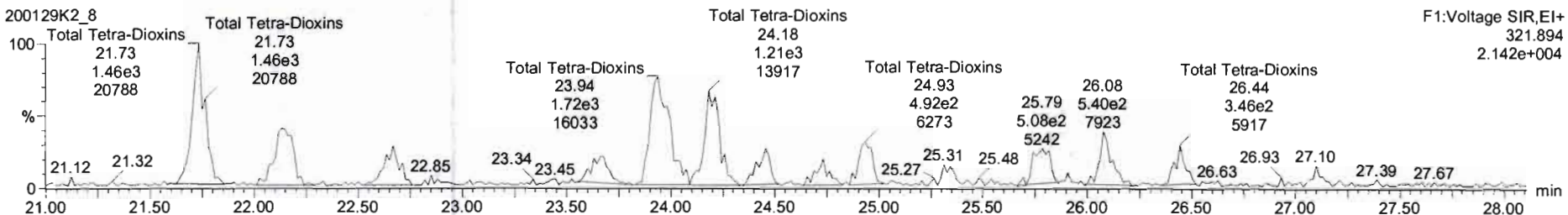
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2,3,7,8-TCDD

200129K2_8

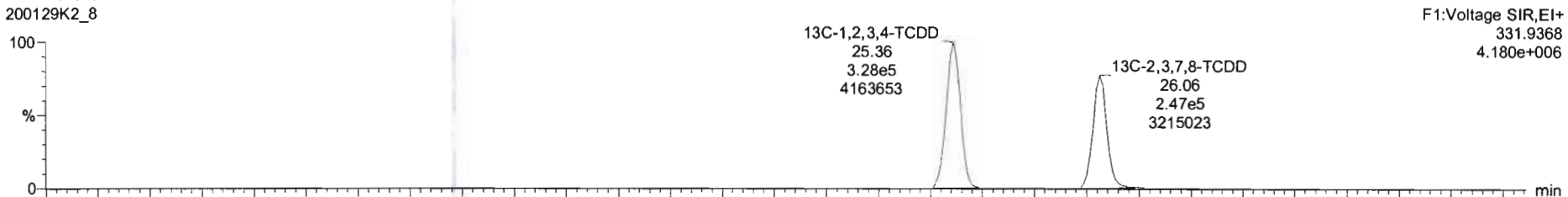


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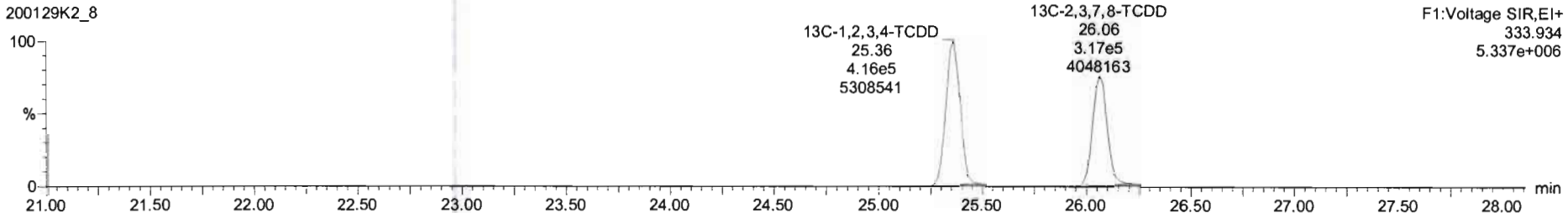


13C-2,3,7,8-TCDD

200129K2_8



200129K2_8



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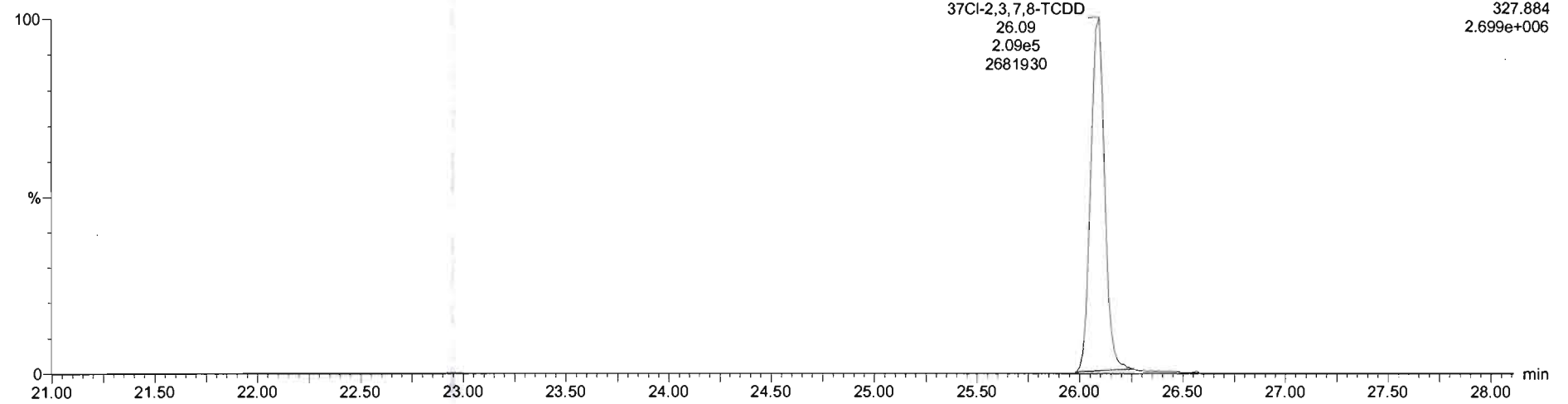
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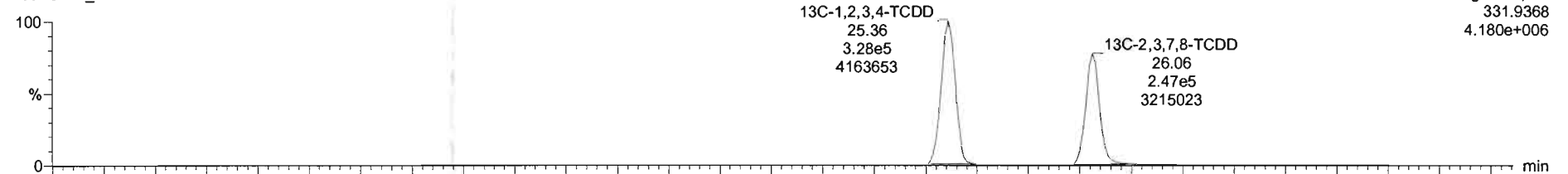
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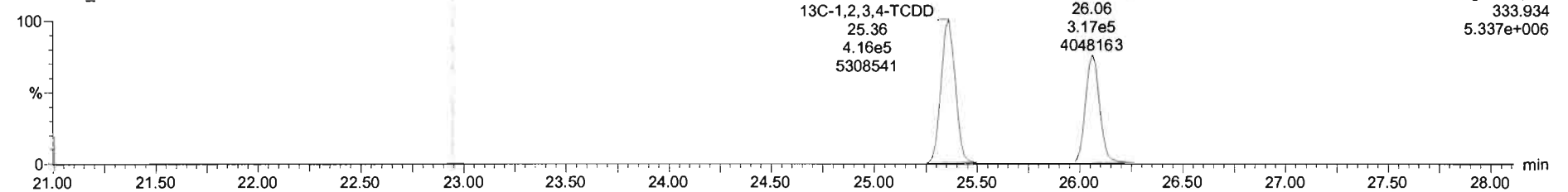


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200129K2_8



200129K2_8



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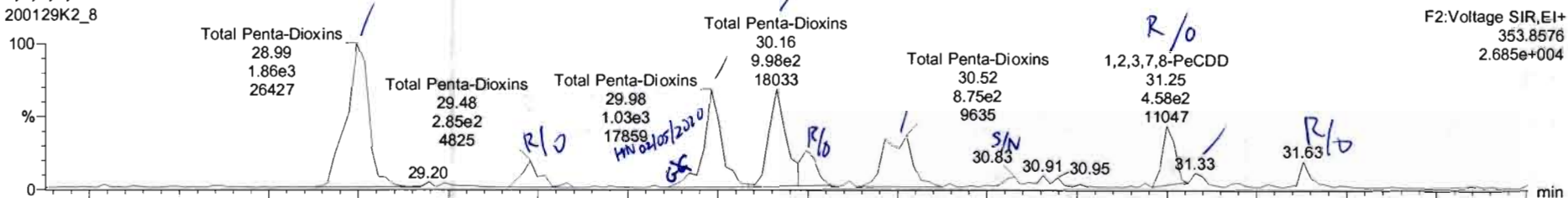
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Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

Name: 200129K2_8, Date: 30-Jan-2020, Time: 09:02:45, ID: 1903650-12 PDI-092SC-B-04-06-191011 17.8, Description: PDI-092SC-B-04-06-191011

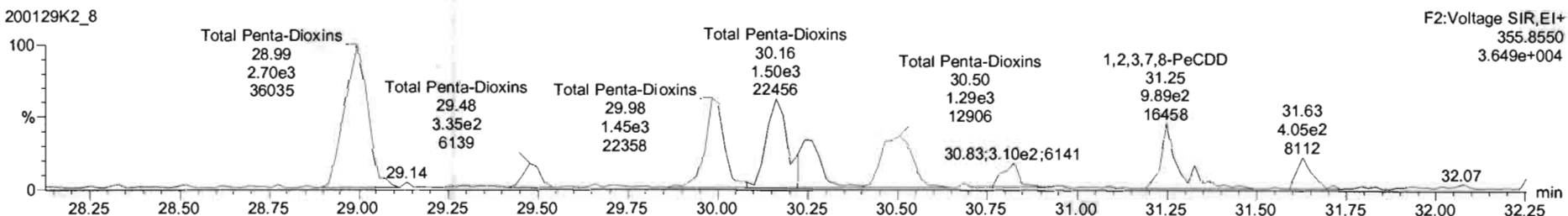
1,2,3,7,8-PeCDD

200129K2_8



F2:Voltage SIR,EI+
353.8576
2.685e+004

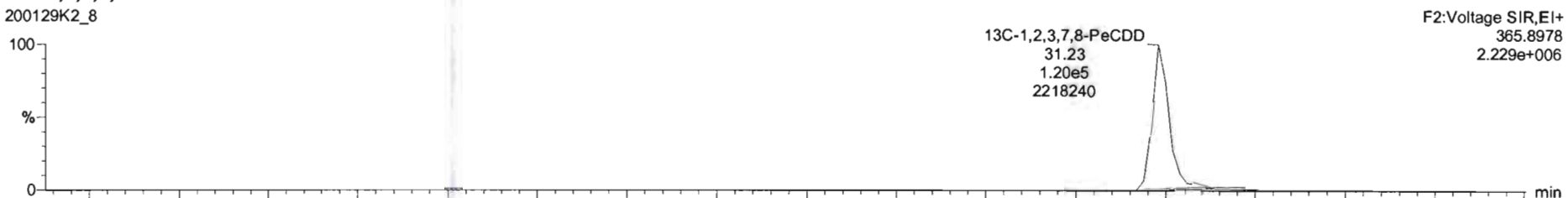
200129K2_8



F2:Voltage SIR,EI+
355.8550
3.649e+004

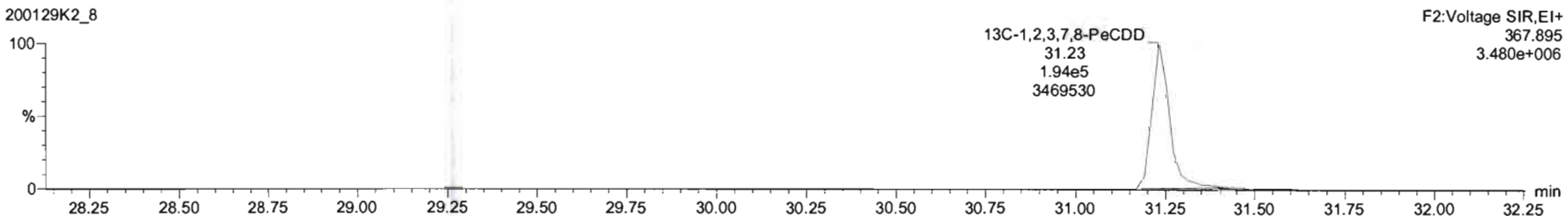
13C-1,2,3,7,8-PeCDD

200129K2_8

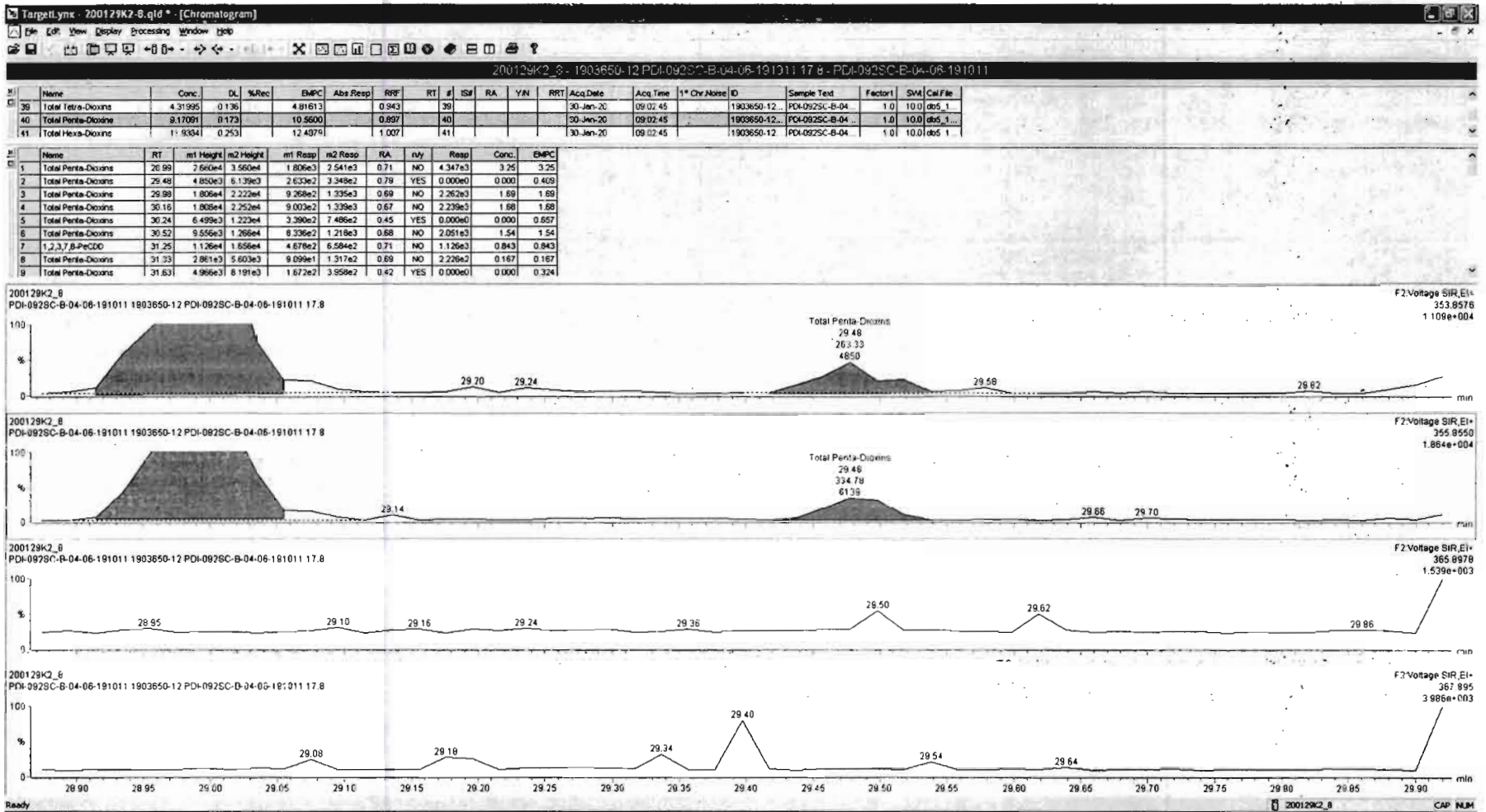


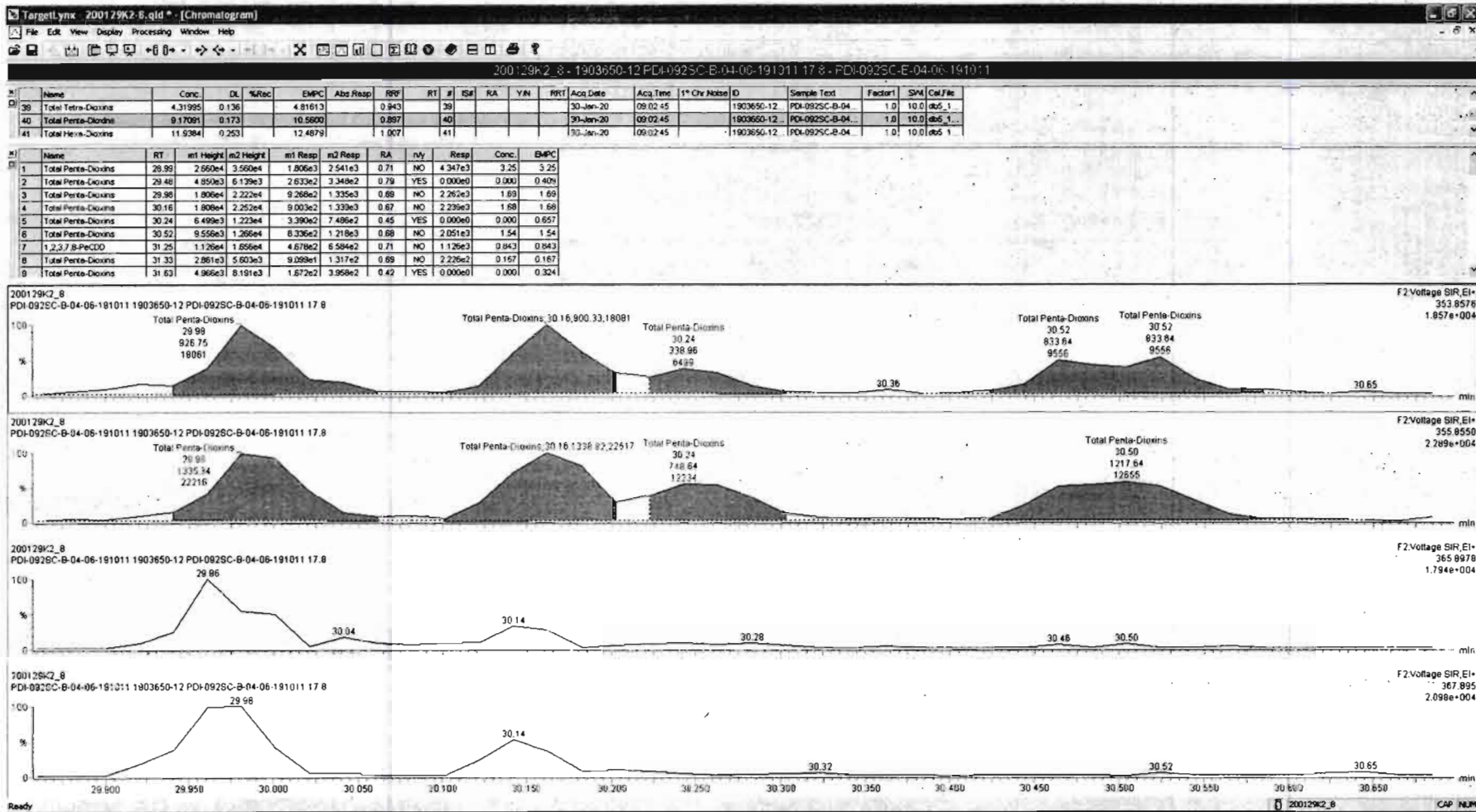
F2:Voltage SIR,EI+
365.8978
2.229e+006

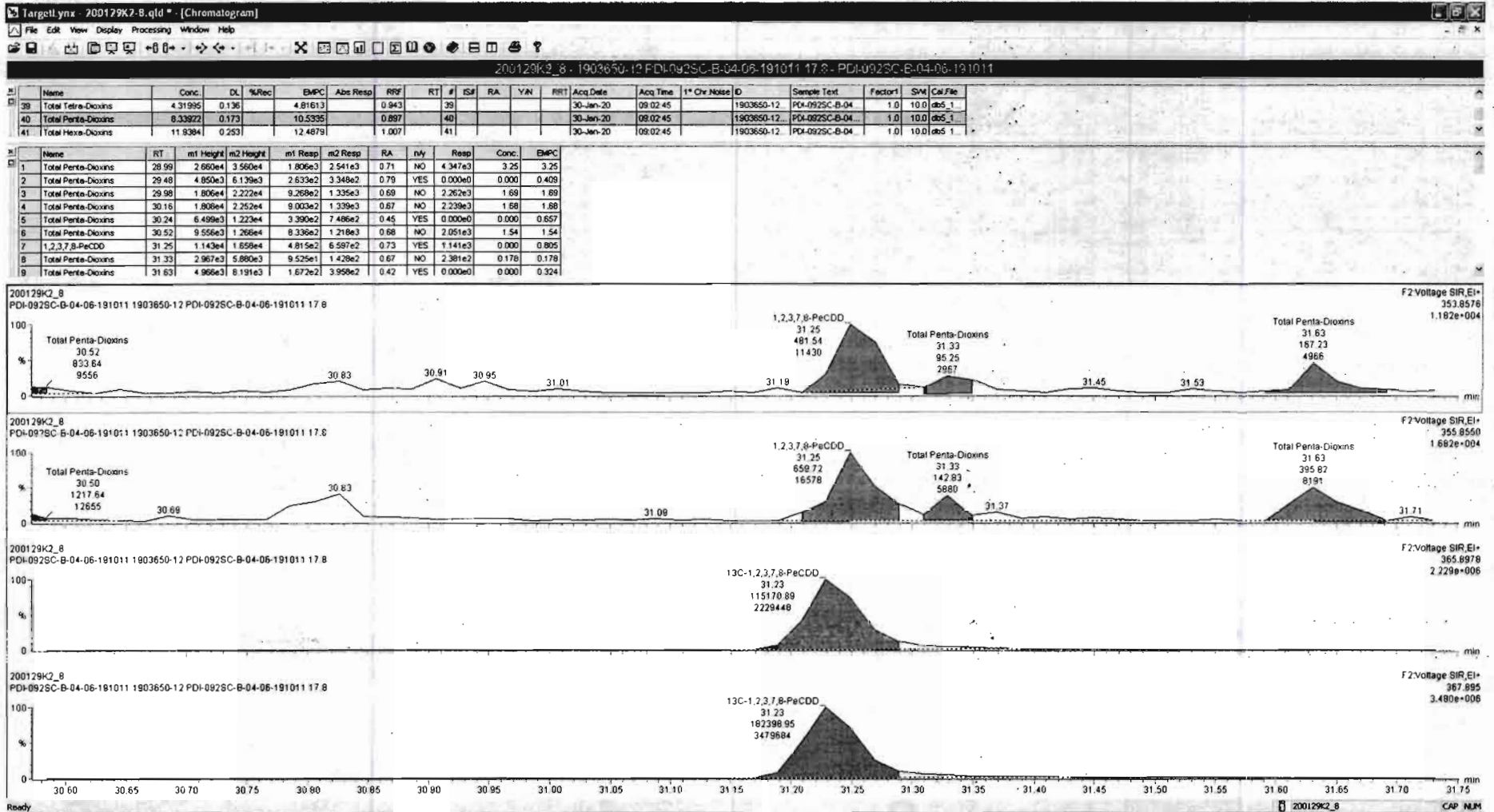
200129K2_8



F2:Voltage SIR,EI+
367.895
3.480e+006







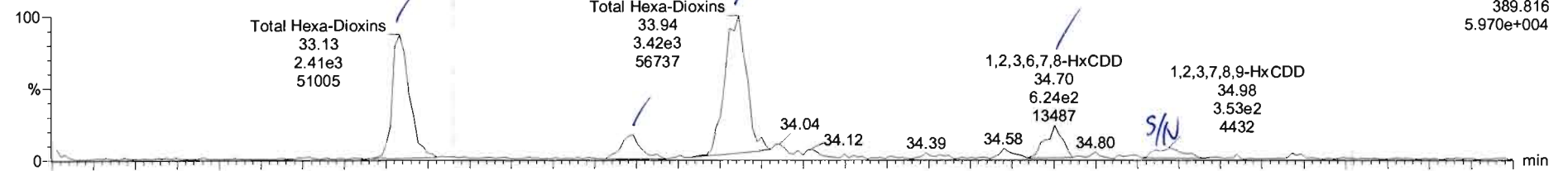
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Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

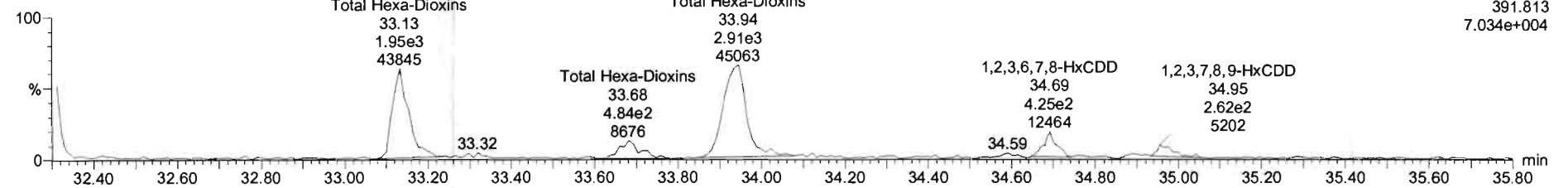
Name: 200129K2_8, Date: 30-Jan-2020, Time: 09:02:45, ID: 1903650-12 PDI-092SC-B-04-06-191011 17.8, Description: PDI-092SC-B-04-06-191011

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

200129K2_8

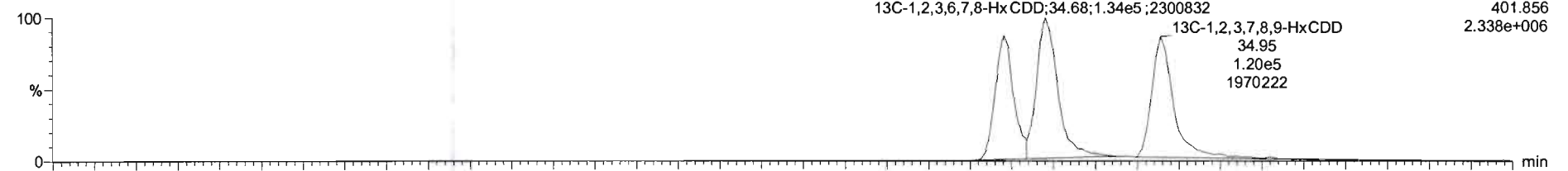


200129K2_8

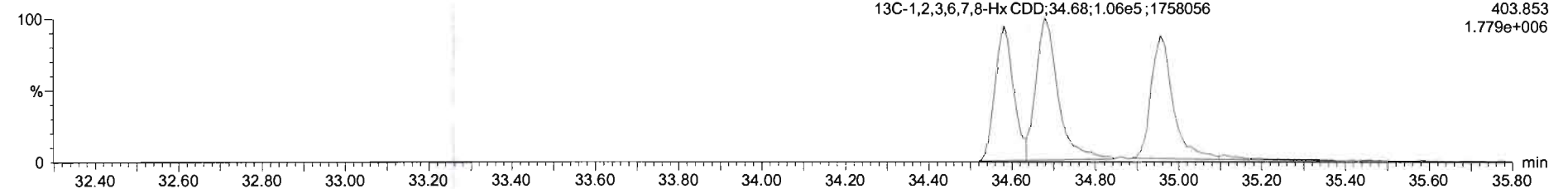


13C-1,2,3,4,7,8-HxCDD

200129K2_8

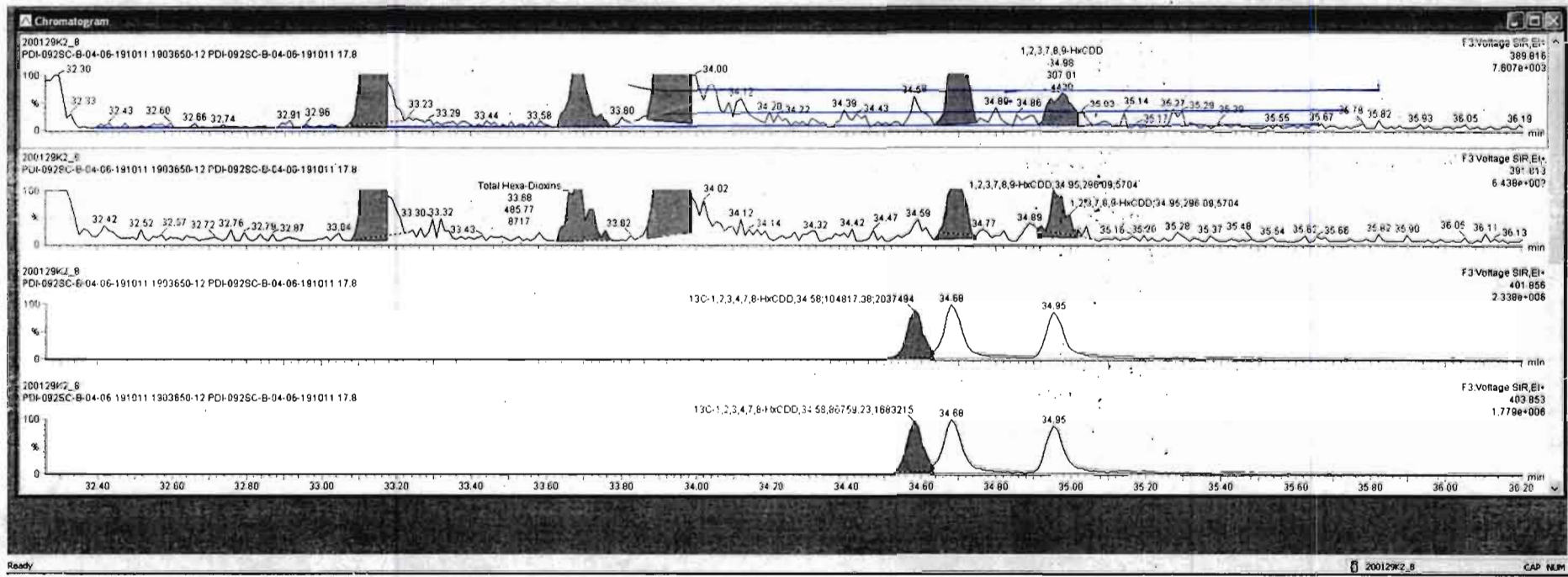


200129K2_8



SI	Name	Conc.	DL	%Rec	EMPC	Abs Resp	RFR	RT	#	ISr	RA	YAN	RRT	Acq.Date	Acq.Time	1° Chr Noise	ID	Sample Text	Factor1	SMA	Cal File
40	Total Pentra-Dioxins	8.33922	0.173		10.5335		0.897	40						30-Jan-20	09:02:45		1903650-12...	PDI-0925C-B-04	1.0	10.0	abs_1...
41	Total Hexa-Dioxins	11.7673	0.253		12.3168		1.007	41						30-Jan-20	09:02:45		1903650-12...	PDI-0925C-B-04	1.0	10.0	abs_1...
42	Total Hepta-Dioxins	15.2279	0.599		15.2279		1.062	42						30-Jan-20	09:02:45		1903650-12...	PDI-0925C-B-04	1.0	10.0	abs_1...

SI	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ivY	Resp	Conc.	EMPC
1	Total Hexa-Dioxins	33.13	5.142e4	4.419e4	2.327e3	1.845e3	1.26	NO	4.173e3	3.92	3.92
2	Total Hexa-Dioxins	33.69	9.802e3	8.717e3	5.553e2	4.958e2	1.14	NO	1.041e3	0.978	0.978
3	Total Hexa-Dioxins	33.94	5.674e4	4.506e4	3.419e3	2.911e3	1.17	NO	8.329e3	5.94	5.94
4	1,2,3,6,7,8-HxCDD	34.70	1.349e4	1.303e4	6.245e2	4.827e2	1.29	NO	1.107e3	0.927	0.927
5	1,2,3,7,8,9-HxCDD	34.98	4.430e3	5.704e3	3.070e2	2.961e2	1.04	YES	6.031e2	0.000	0.549

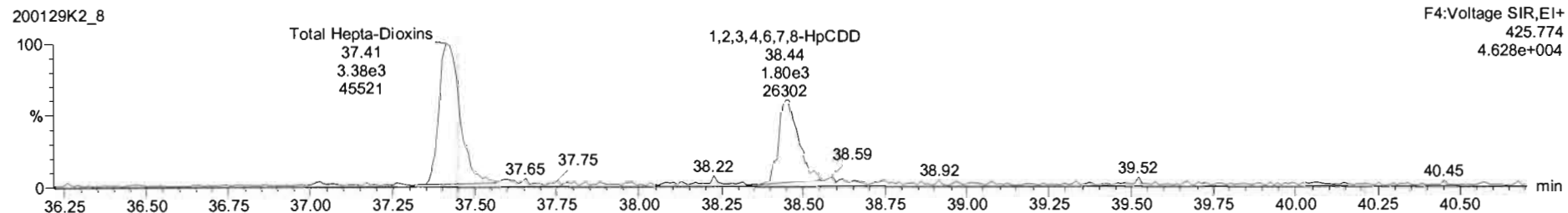
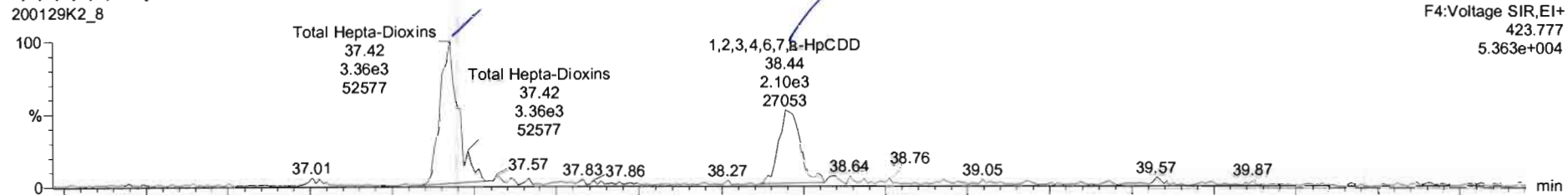


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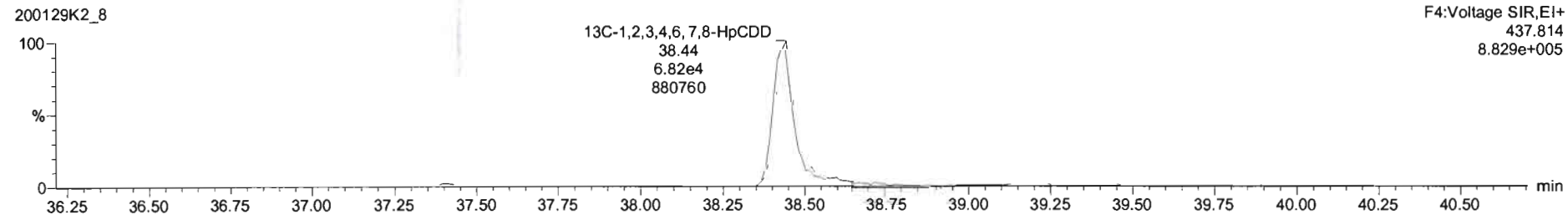
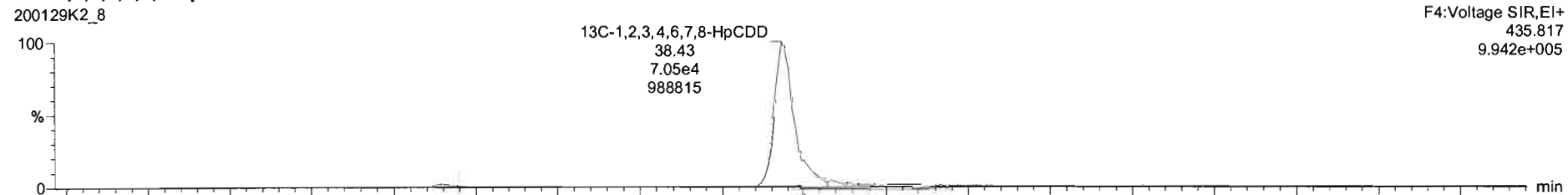
Last Altered: Thursday, January 30, 2020 11:05:42 Pacific Standard Time
Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

Name: 200129K2_8, Date: 30-Jan-2020, Time: 09:02:45, ID: 1903650-12 PDI-092SC-B-04-06-191011 17.8, Description: PDI-092SC-B-04-06-191011

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



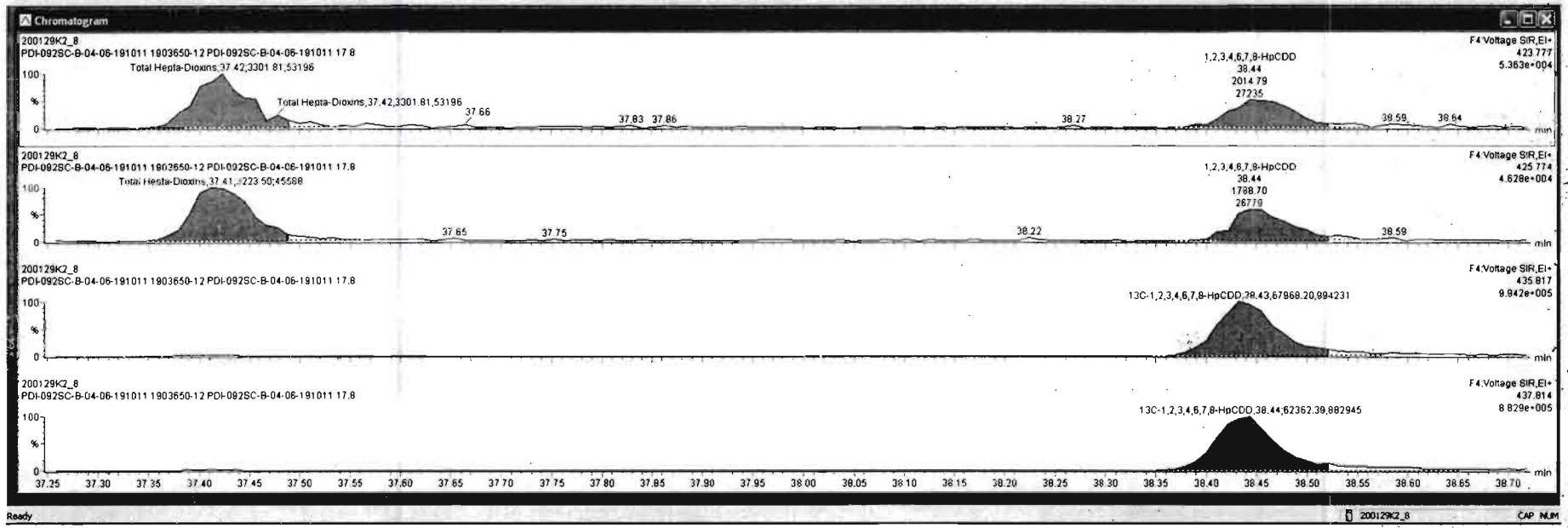
13C-1,2,3,4,6,7,8-HpCDD



200129K2_8 - 1903650-12 PDI-092SC-B-04-06-191011 17.8; PDI-092SC-B-04-06-191011

Name	Conc.	DL	%Rec	EMPC	Abs Resp	RRF	RT	#	IS#	RA	YN	RR1	Acq Date	Acq Time	1* Chr Noise ID	Sample Text	Factor1	SVM	Cal File	
13C-1,2,3,4,6,7,8-HxCDF	199.940	0.750	100.0		5.861e5	1.000	34.11	36	36	0.532	NO	1.000	30-Jan-20	09:02:45	9318.338	1903650-12	PDI-092SC-B-04	1.0	10.0	abs_1
Total Tetra-Dioxins	4.31985	0.136		4.81613		0.943		39					30-Jan-20	09:02:45		1903650-12	PDI-092SC-B-04	1.0	10.0	abs_1
Total Penta-Dioxins	8.33922	0.173		10.5335		0.897		40					30-Jan-20	09:02:45		1903650-12	PDI-092SC-B-04	1.0	10.0	abs_1
Total Hexa-Dioxins	11.6796	0.253		11.6796		1.007		41					30-Jan-20	09:02:45		1903650-12	PDI-092SC-B-04	1.0	10.0	abs_1
Total Hepta-Dioxins	14.9171	0.599		14.9171		1.062		42					30-Jan-20	09:02:45		1903650-12	PDI-092SC-B-04	1.0	10.0	abs_1
Total Tetra-Furans	33.2633	0.151		33.7203		0.970		43					30-Jan-20	09:02:45		1903650-12	PDI-092SC-B-04	1.0	10.0	abs_1

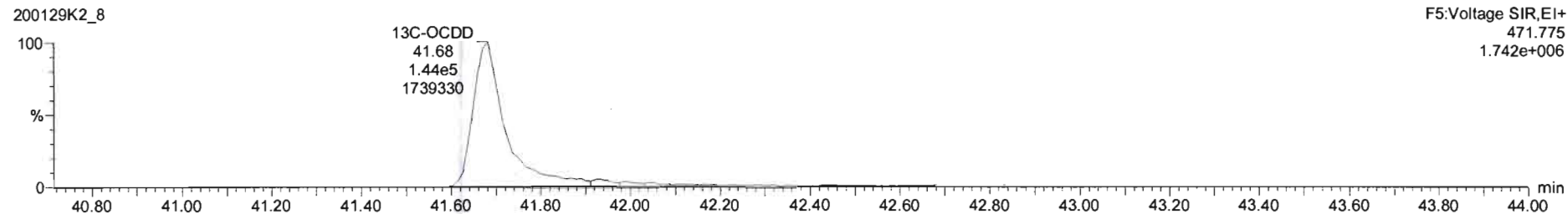
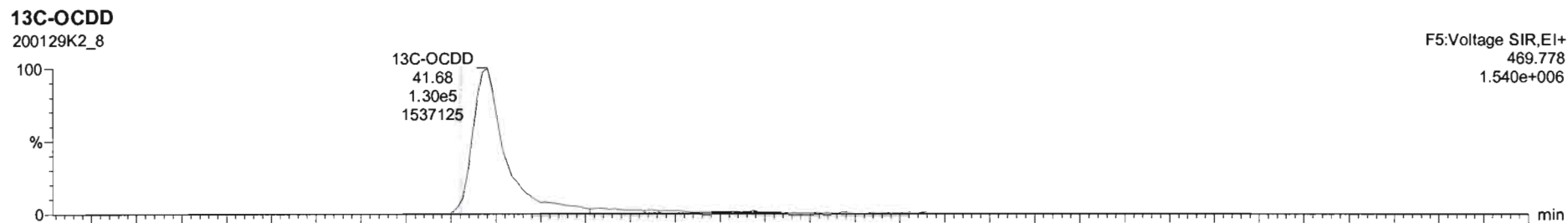
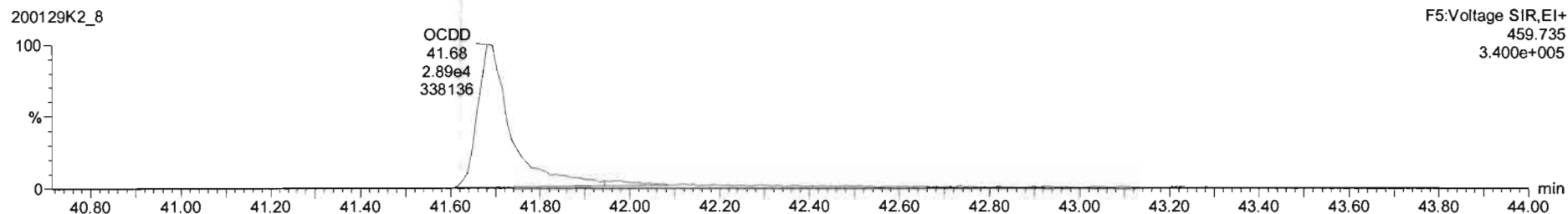
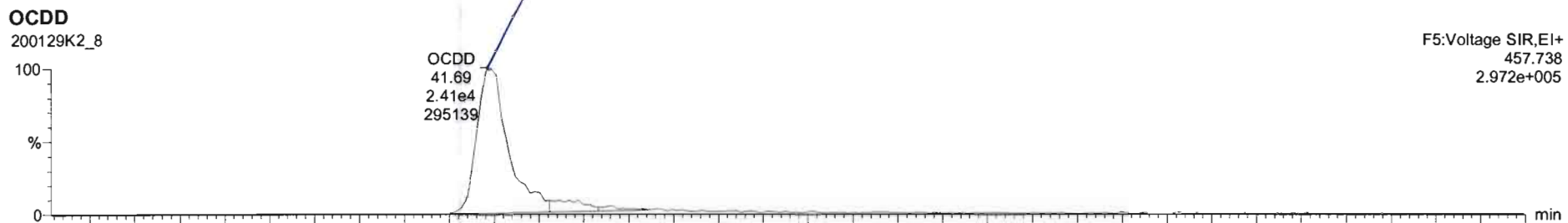
Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC
1 Total Hepta-Dioxins	37.42	5.320e4	4.559e4	3.302e3	3.223e3	1.02	NO	6.525e3	9.42	9.42
2 1,2,3,4,6,7,8-HpCDD	38.44	2.724e4	2.678e4	2.015e3	1.789e3	1.13	NO	3.803e3	5.49	5.49



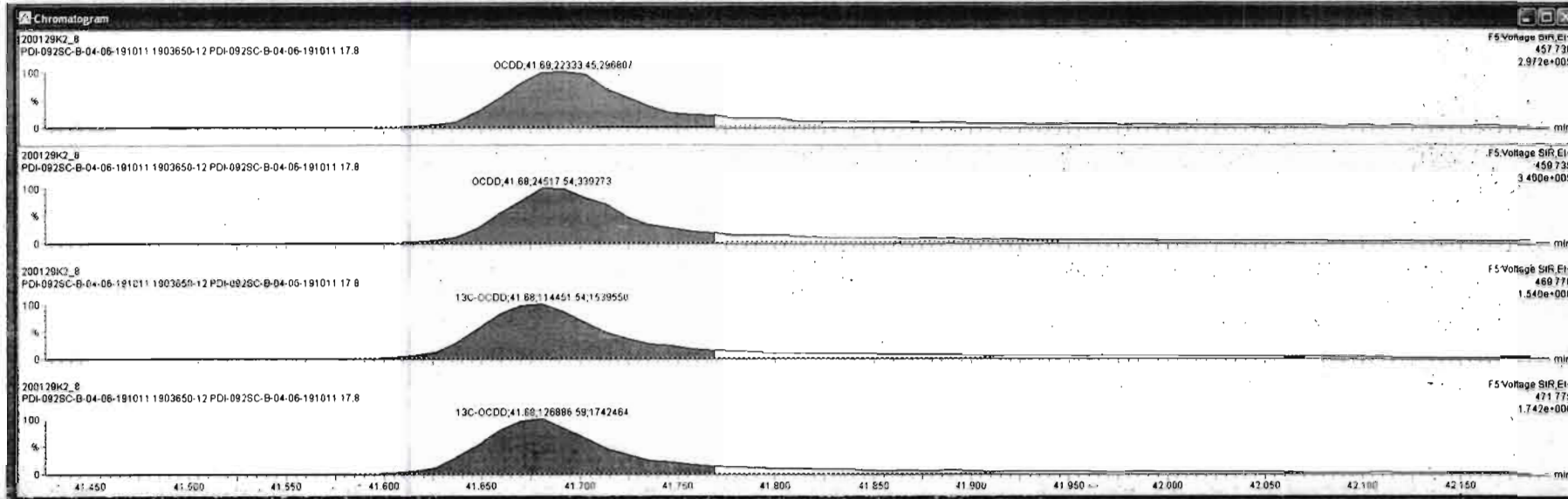
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Last Altered: Thursday, January 30, 2020 11:05:42 Pacific Standard Time
Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

Name: 200129K2_8, Date: 30-Jan-2020, Time: 09:02:45, ID: 1903650-12 PDI-092SC-B-04-06-191011 17.8, Description: PDI-092SC-B-04-06-191011



N	Name	Conc.	DL	%Rec	EMPC	Abs.Resp	RRF	RT	#	IS#	RA	Y/N	RFI	Acq.Lets	Acq.Time	1% Chr.Noise	ID	Sample Text	Factor1	SM	Cal File
4	1,2,3,6,7,8-HxCDD	0.926707	0.234		0.926707	1.107e3	1.007	34.70	4	21	1.294	NO	1.001	30_Jan_20	09:02:45	1138.538	1903650-12	PDI-0925C-B-04...	1.0	10.0	db5_1
5	1,2,3,7,8,9-HxCDD		0.276				0.982		5	22		NO		30_Jan_20	09:02:45	1138.538	1903650-12	PDI-0925C-B-04...	1.0	10.0	db5_1
6	1,2,3,4,6,7,8-HxCDD	5.49309	0.569		5.49309	3.693e3	1.062	33.44	6	23	1.126	NO	1.000	30_Jan_20	09:02:45	884.470	1903650-12	PDI-0925C-B-04...	1.0	10.0	db5_1
7	OCDD	74.3542	1.11		74.3542	4.695e4	1.044	41.69	7	24	0.911	NO	1.000	30_Jan_20	09:02:45	1444.765	1903650-12	PDI-0925C-B-04...	1.0	10.0	db5_1
8	2,3,7,8-TCDF	0.693676	0.151		0.693676	2.963e3	0.970	25.10	8	25	0.721	NO	1.001	30_Jan_20	09:02:45	1459.021	1903650-12	PDI-0925C-B-04...	1.0	10.0	db5_1
9	1,2,3,7,8-PeCDF	0.351372	0.272		0.351372	8.654e2	0.956	29.94	9	26	1.744	NO	1.001	30_Jan_20	09:02:45	2626.105	1903650-12	PDI-0925C-B-04...	1.0	10.0	db5_1



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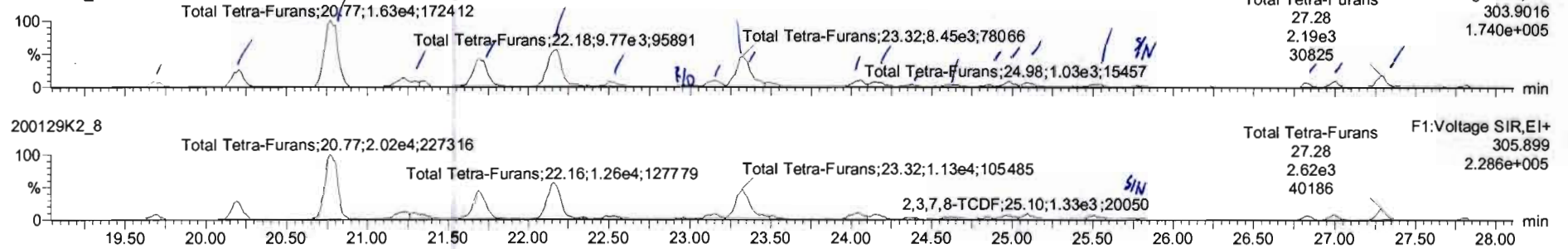
Last Altered: Thursday, January 30, 2020 11:05:42 Pacific Standard Time

Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

Name: 200129K2_8, Date: 30-Jan-2020, Time: 09:02:45, ID: 1903650-12 PDI-092SC-B-04-06-191011 17.8, Description: PDI-092SC-B-04-06-191011

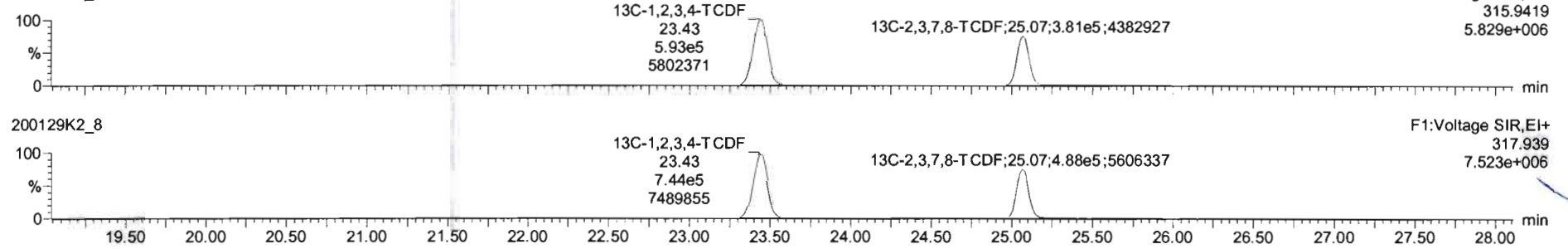
2,3,7,8-TCDF

200129K2_8



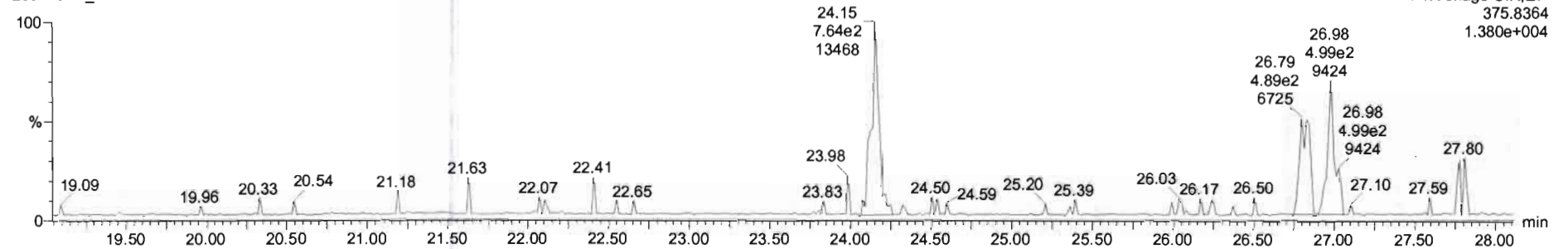
13C-2,3,7,8-TCDF

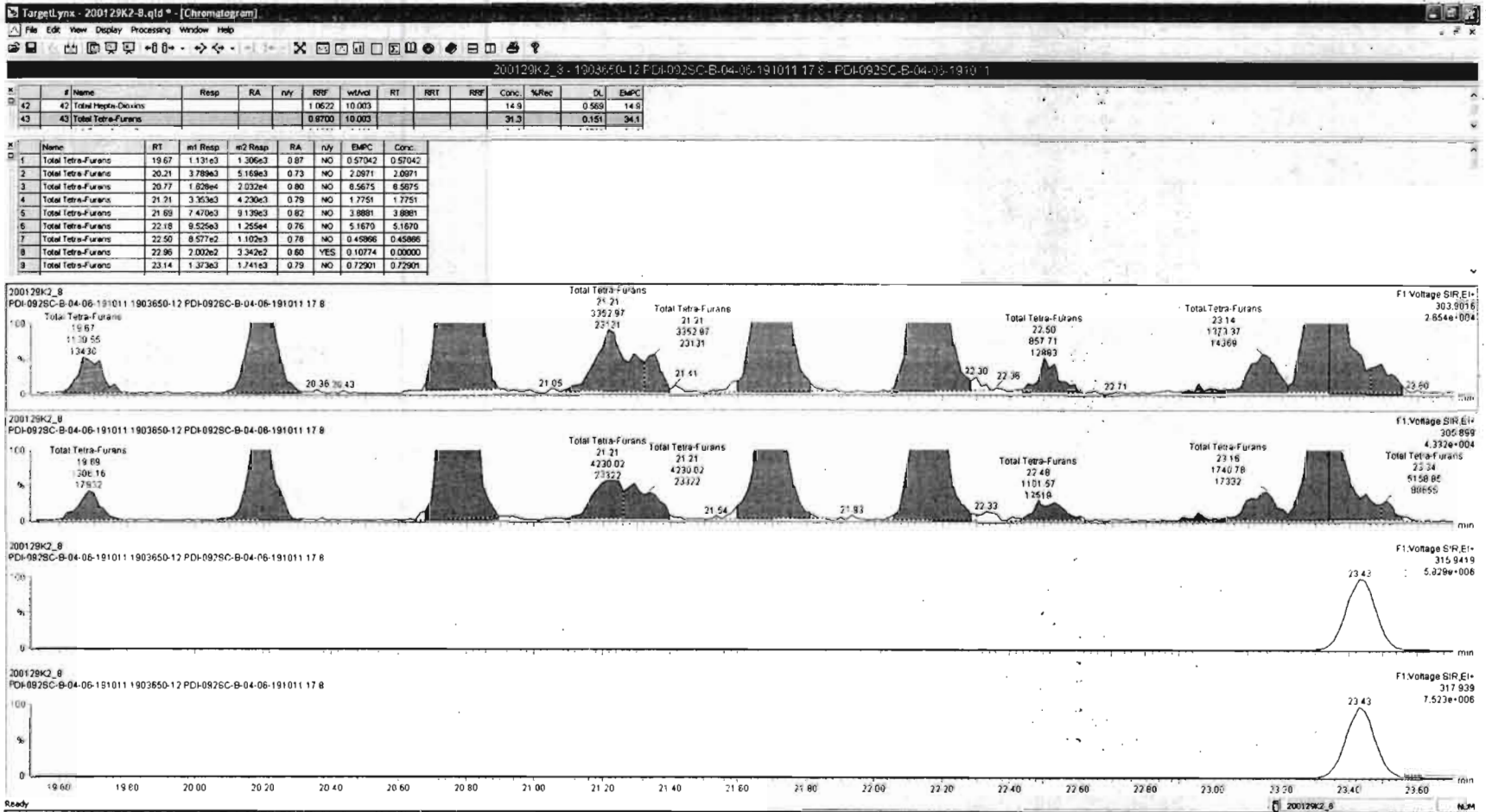
200129K2_8

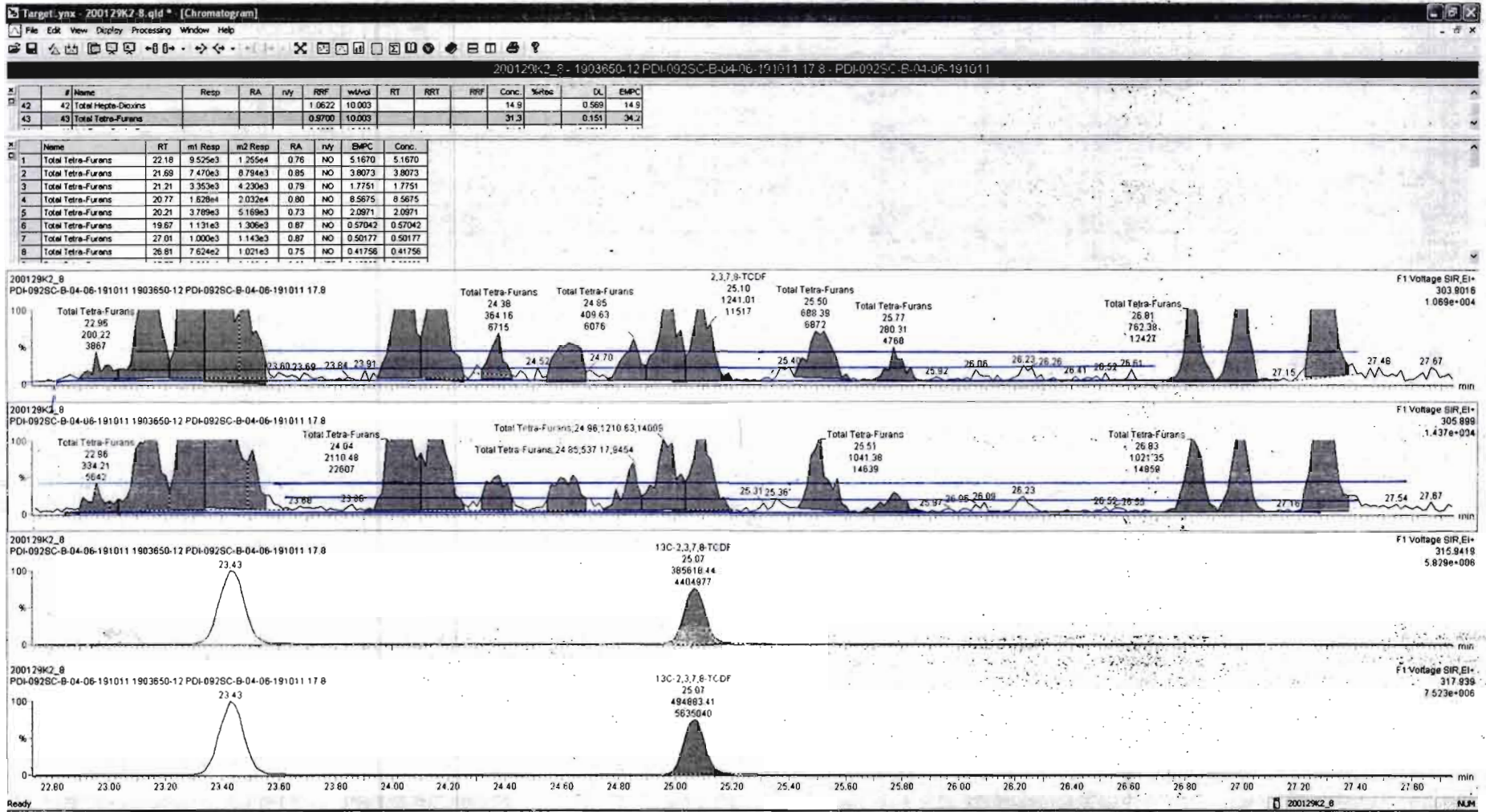


DPE1

200129K2_8







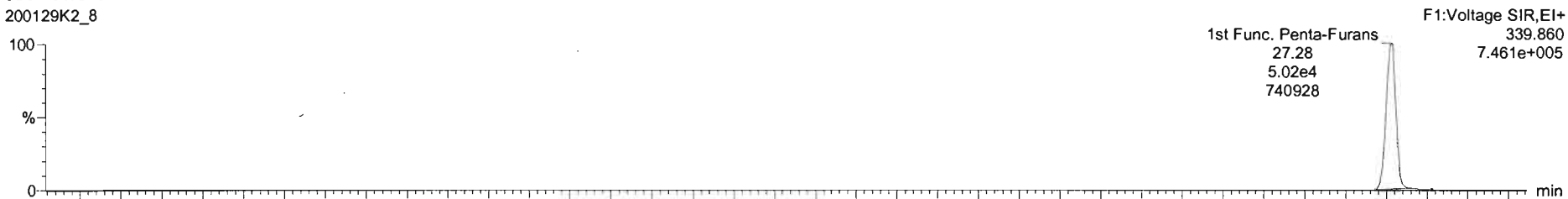
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Last Altered: Thursday, January 30, 2020 11:05:42 Pacific Standard Time
Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

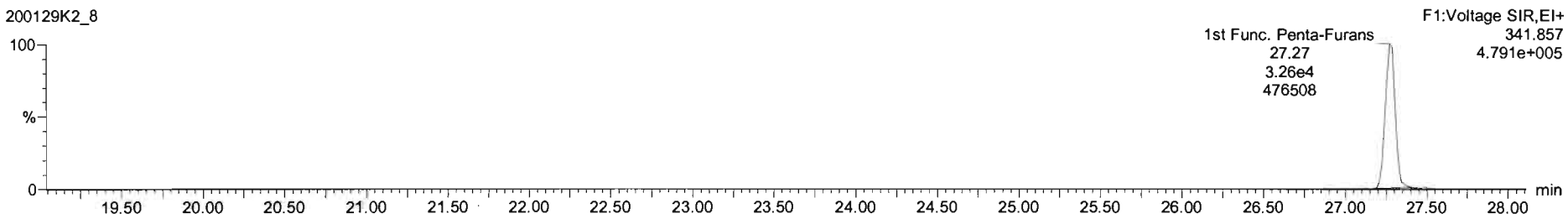
Name: 200129K2_8, Date: 30-Jan-2020, Time: 09:02:45, ID: 1903650-12 PDI-092SC-B-04-06-191011 17.8, Description: PDI-092SC-B-04-06-191011

1st Func. Penta-Furans

200129K2_8

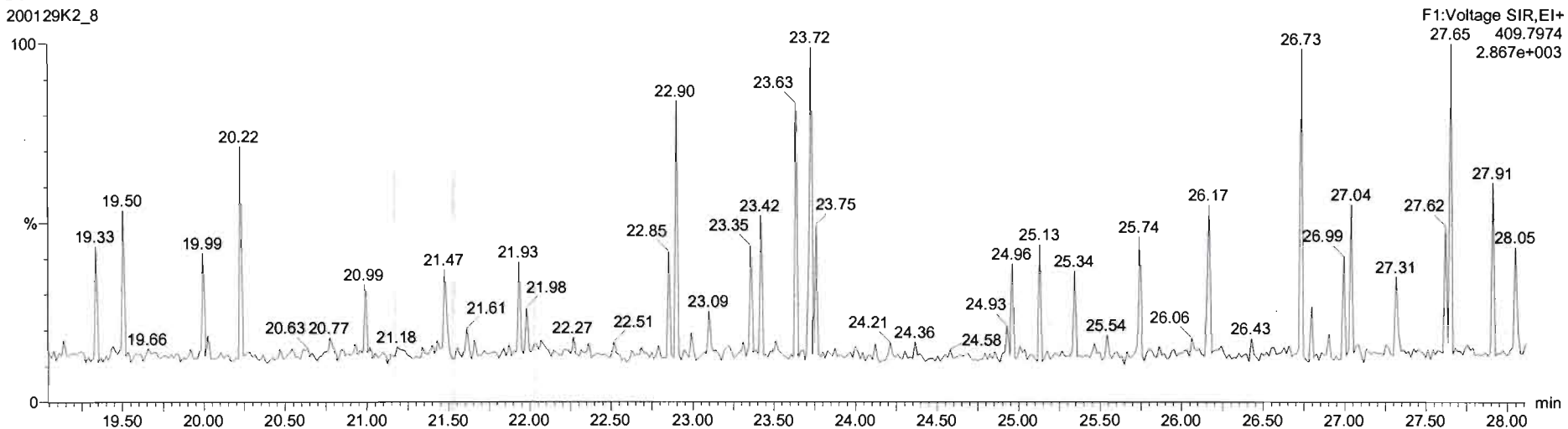


200129K2_8



DPE6

200129K2_8

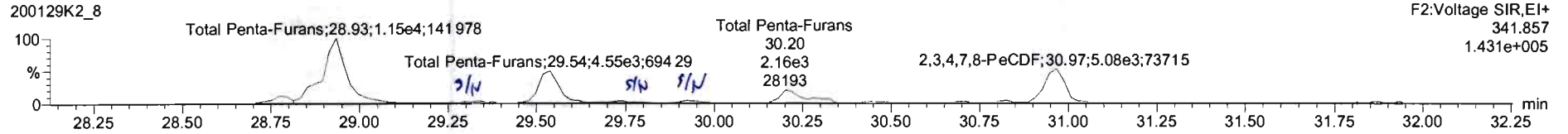
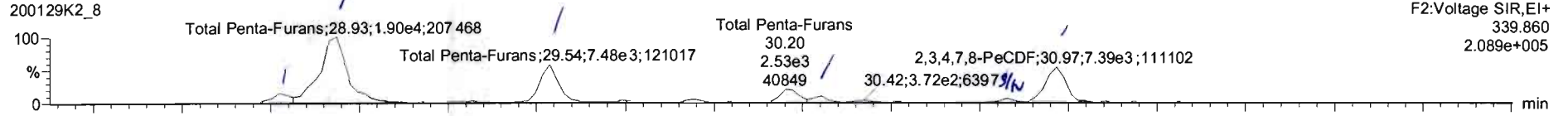


Dataset: Untitled

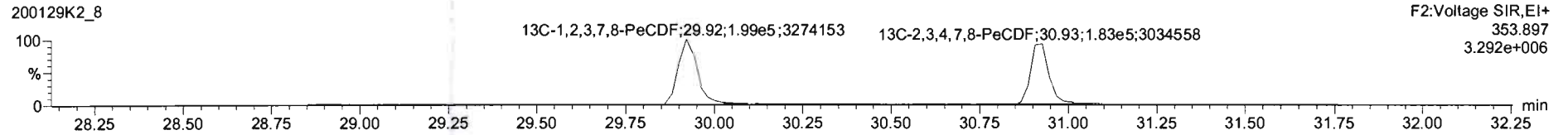
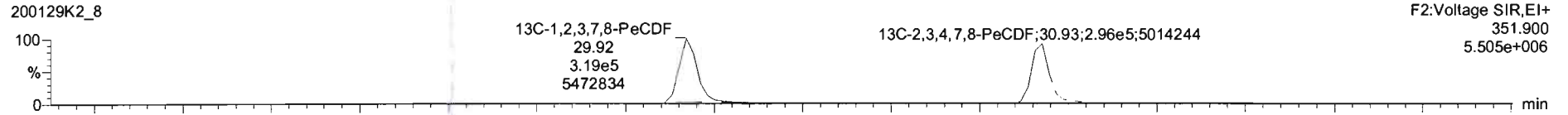
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Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

Name: 200129K2_8, Date: 30-Jan-2020, Time: 09:02:45, ID: 1903650-12 PDI-092SC-B-04-06-191011 17.8, Description: PDI-092SC-B-04-06-191011

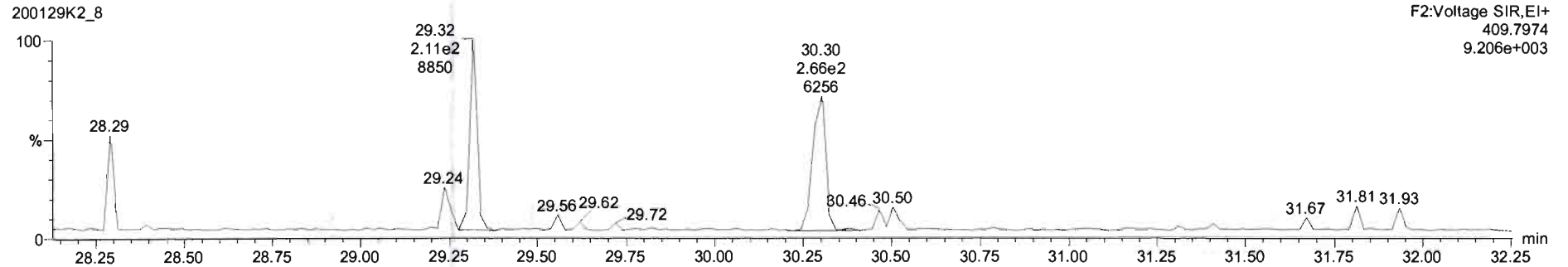
1,2,3,7,8-PeCDF

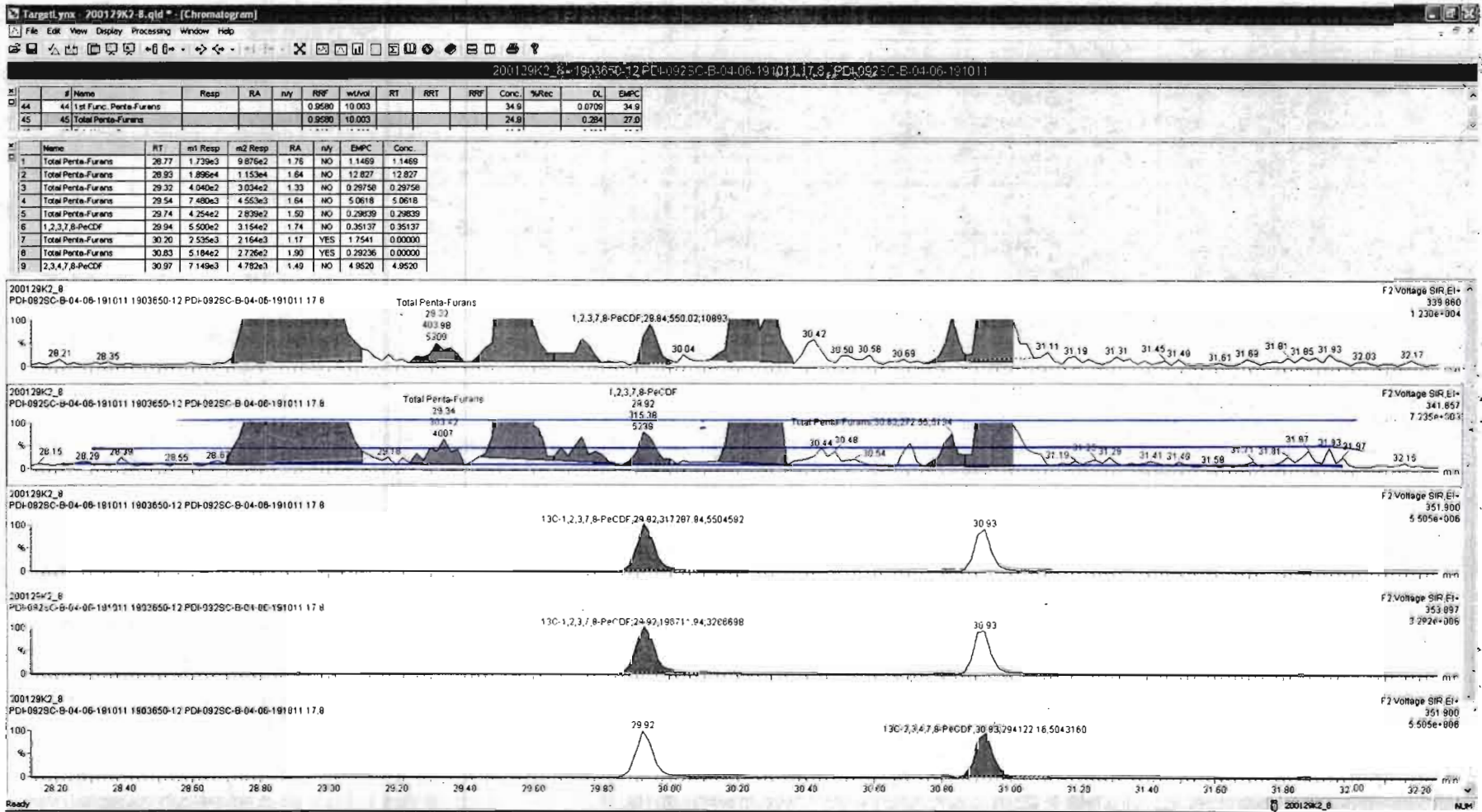


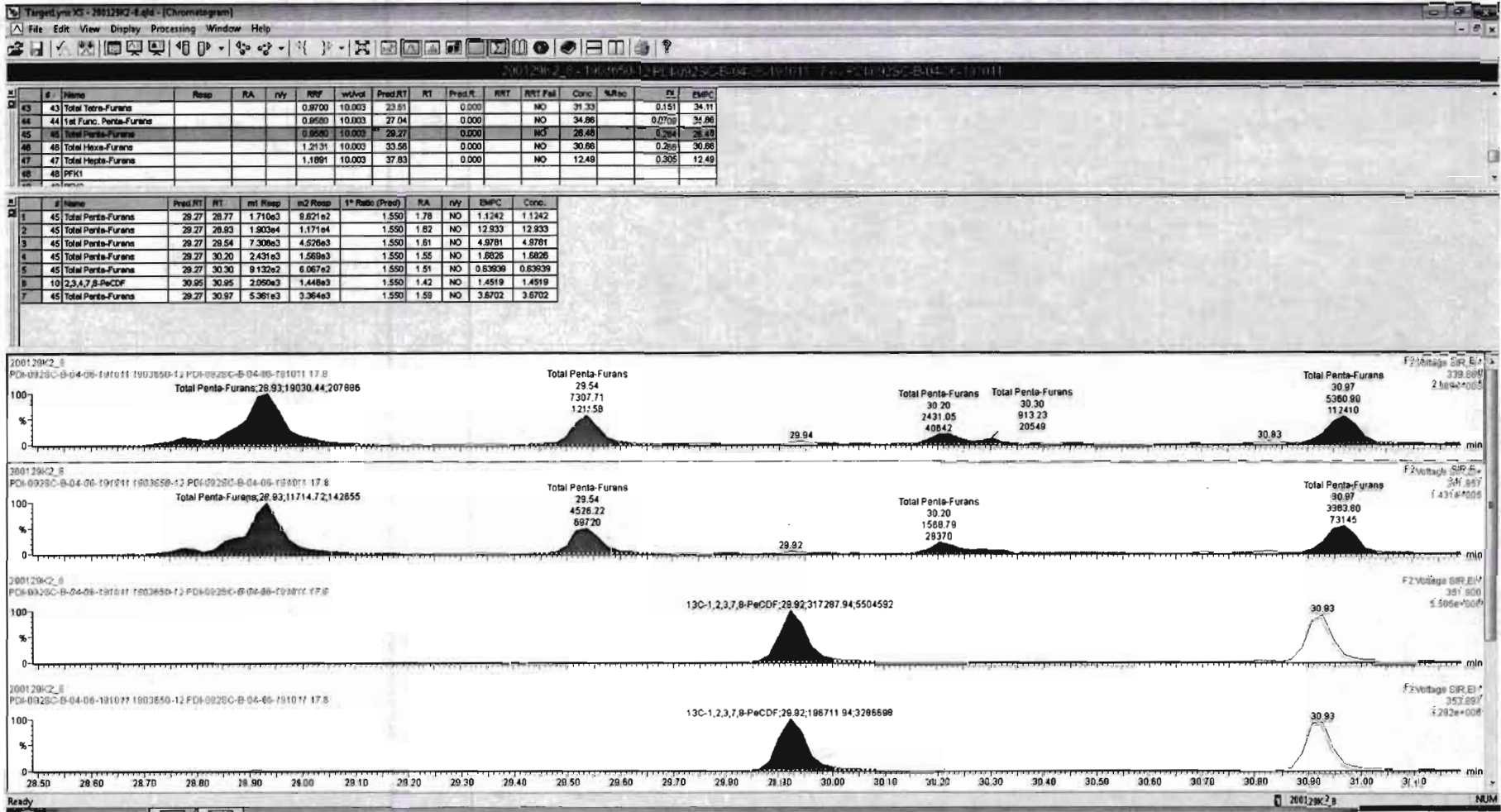
13C-1,2,3,7,8-PeCDF



DPE2





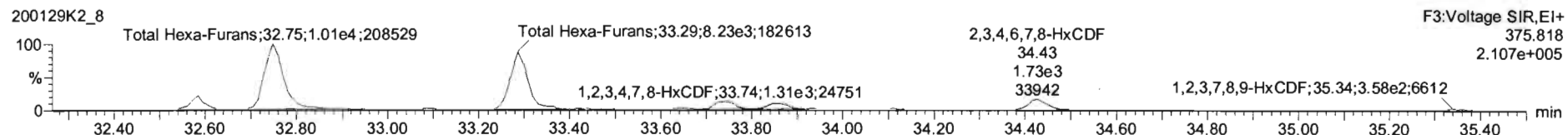
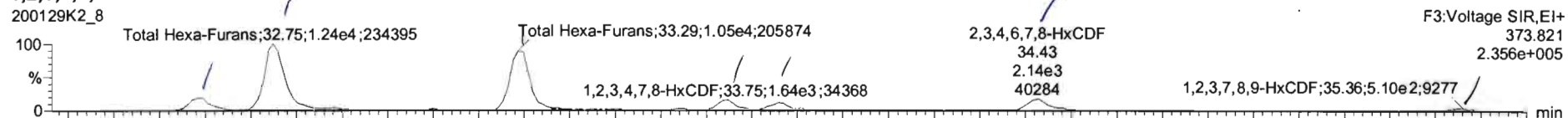


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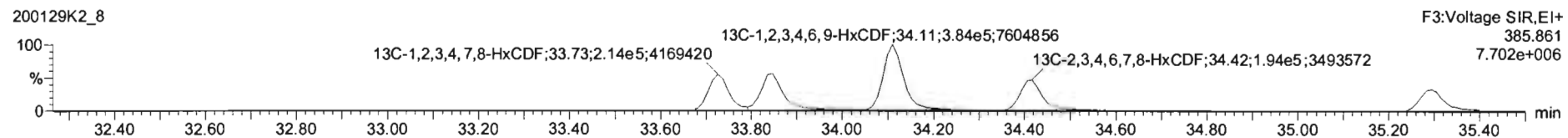
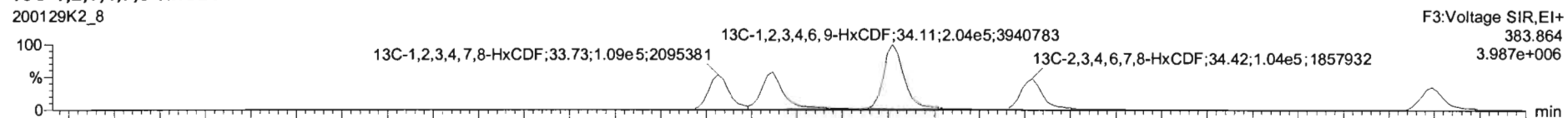
Last Altered: Thursday, January 30, 2020 11:05:42 Pacific Standard Time
Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

Name: 200129K2_8, Date: 30-Jan-2020, Time: 09:02:45, ID: 1903650-12 PDI-092SC-B-04-06-191011 17.8, Description: PDI-092SC-B-04-06-191011

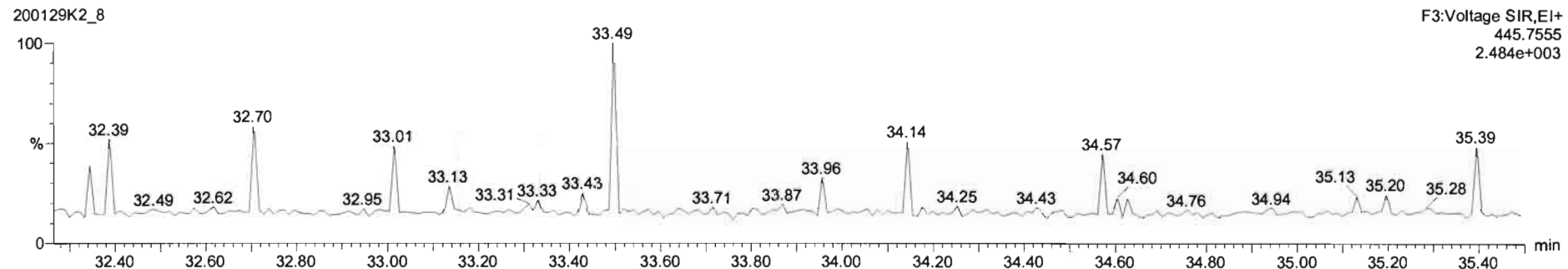
1,2,3,4,7,8-HxCDF

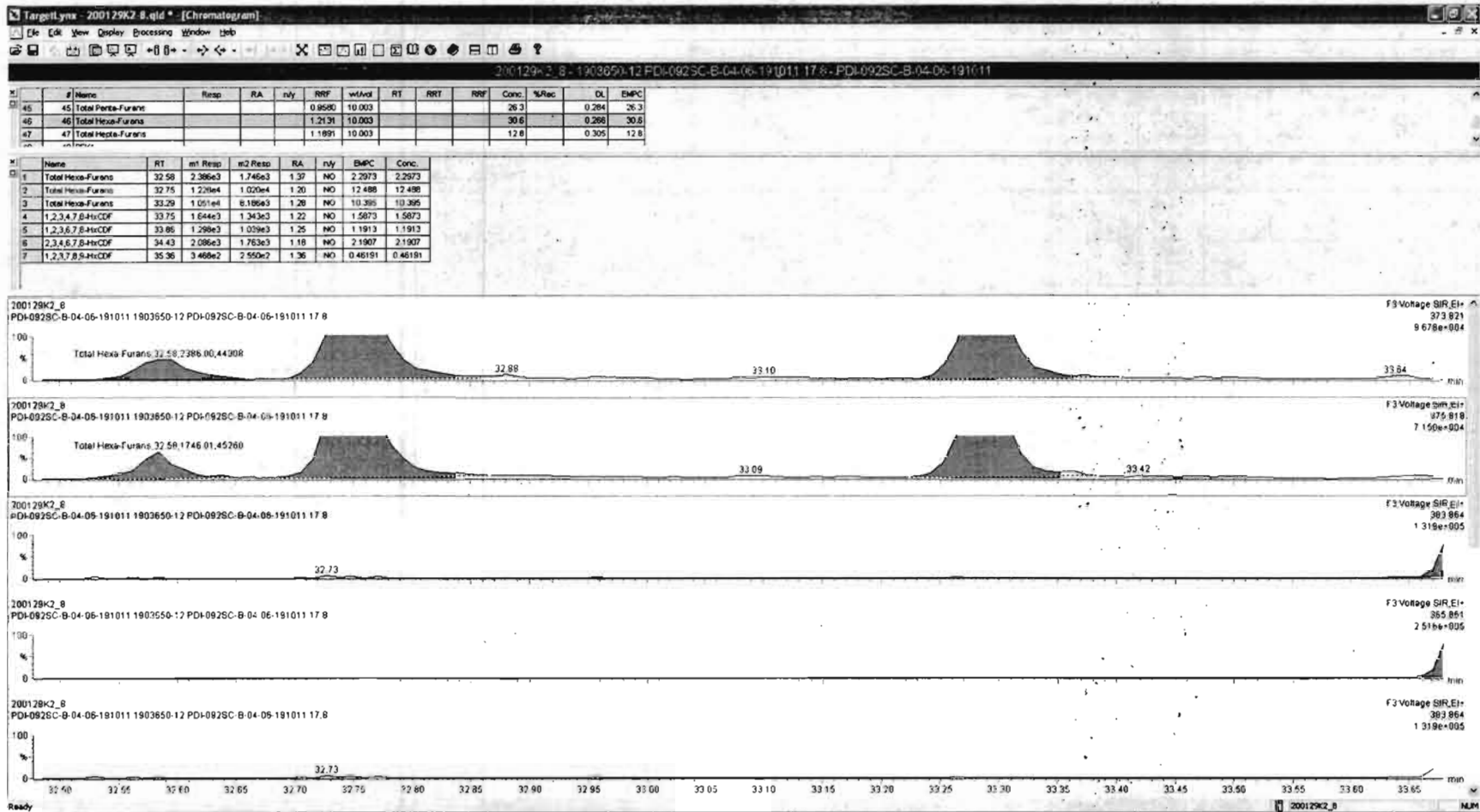


13C-1,2,3,4,7,8-HxCDF



DPE3





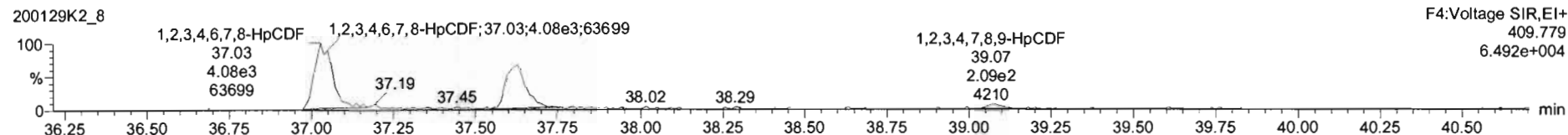
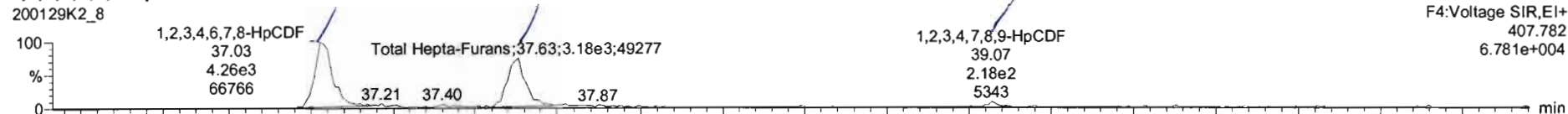
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Last Altered: Thursday, January 30, 2020 11:05:42 Pacific Standard Time

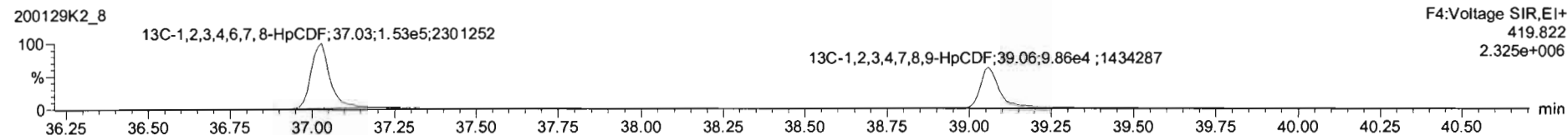
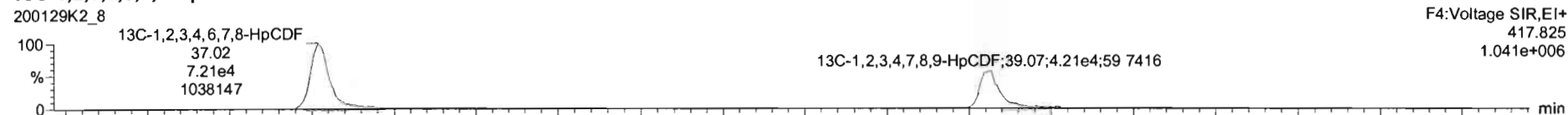
Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

Name: 200129K2_8, Date: 30-Jan-2020, Time: 09:02:45, ID: 1903650-12 PDI-092SC-B-04-06-191011 17.8, Description: PDI-092SC-B-04-06-191011

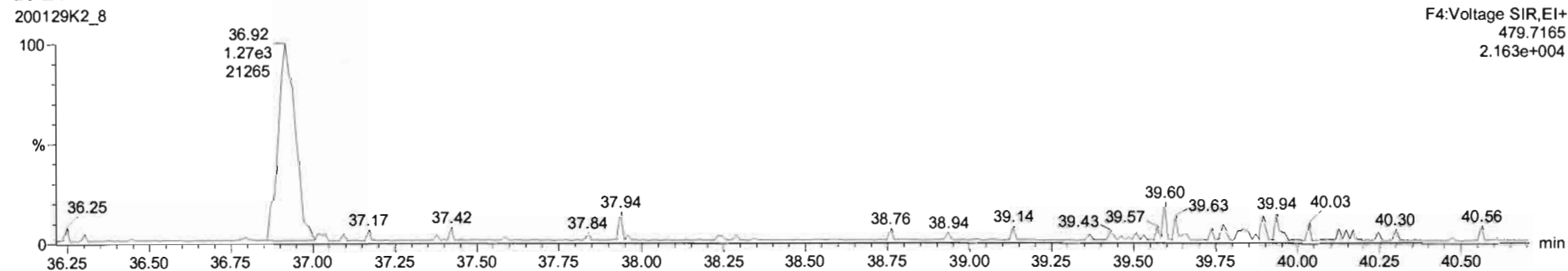
1,2,3,4,6,7,8-HpCDF



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



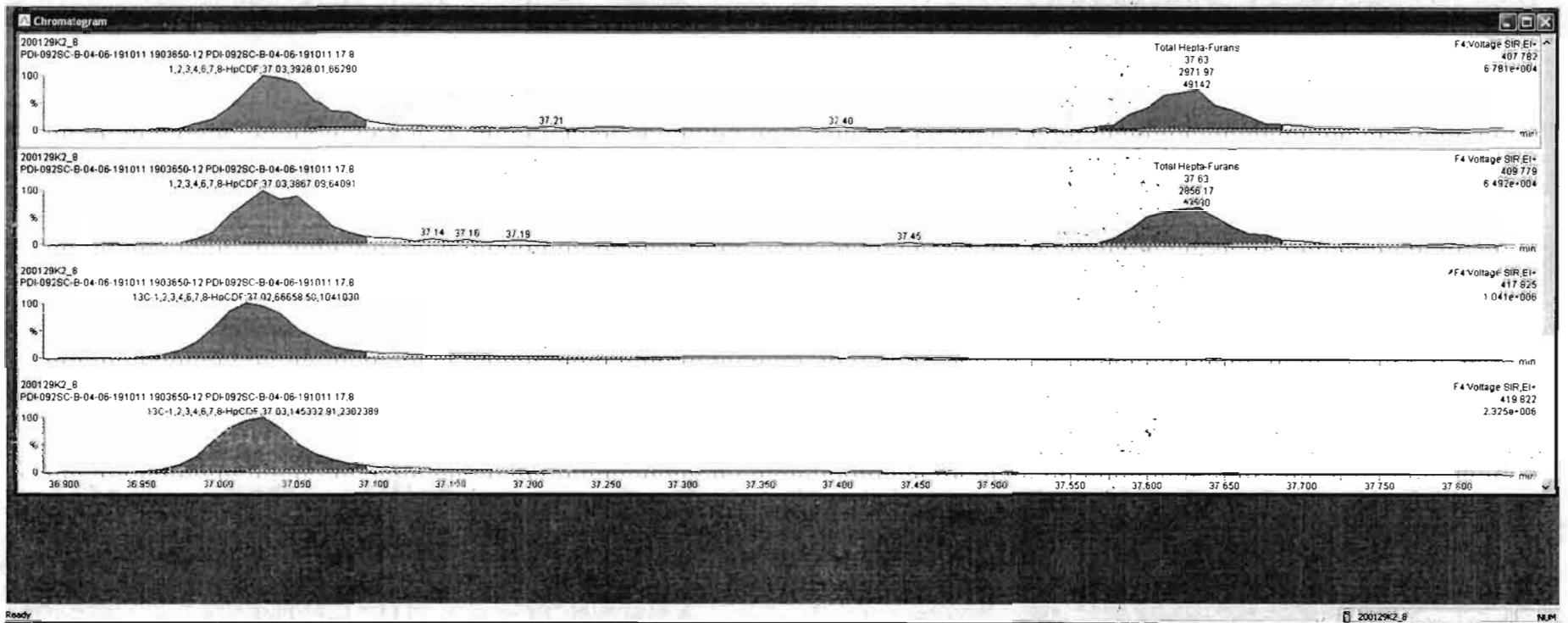
DPE4



200129K2_8 - 1903650-12 PDI-0925C-B-04-06-191011 17.8 - PDI-0925C-E-04-06-191011

#	Name	Resp	RA	n/y	RPF	wAnd	RT	RRT	RPF	Conc	%Rec	DL	EMPC
45	Total Penta-Furans				0.9590	10.003				26.3		0.204	26.3
46	Total Hexa-Furans				1.2131	10.003				30.7		0.266	30.7
47	Total Hepta-Furans				1.1891	10.003				12.5		0.305	12.5

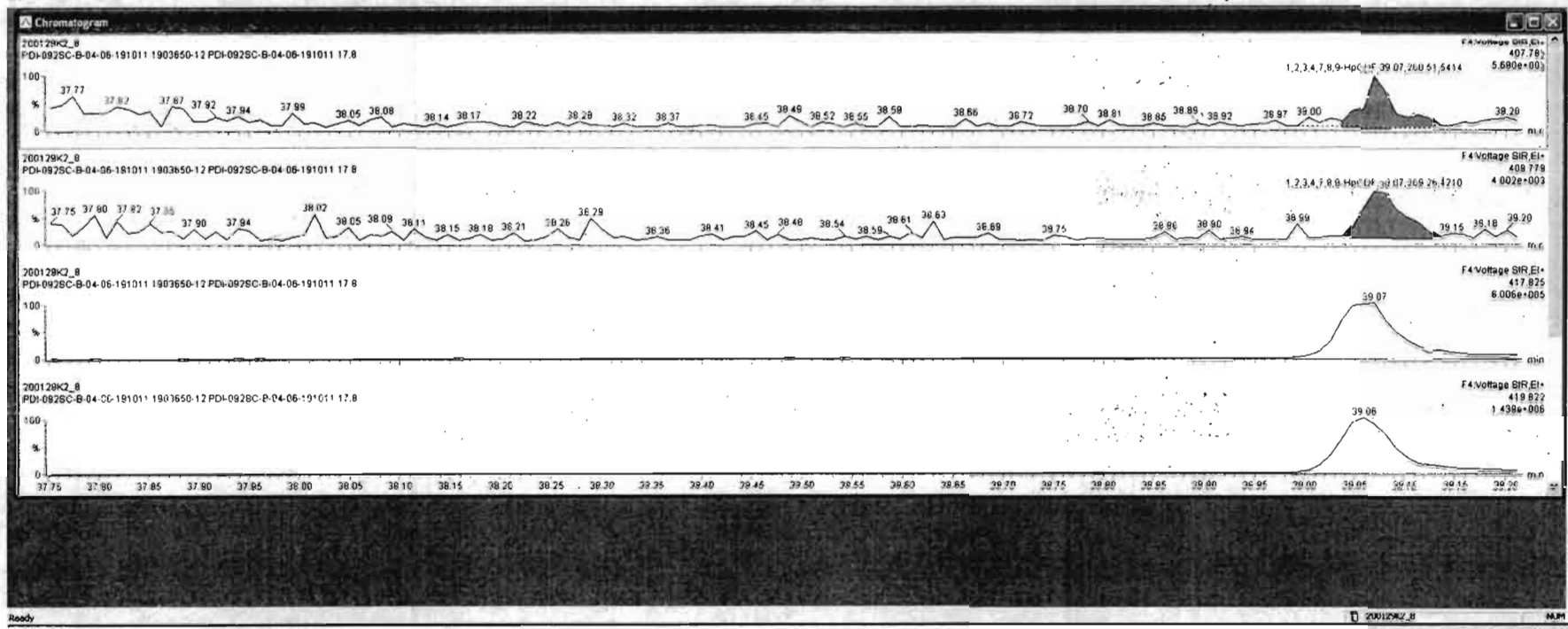
Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1 1,2,3,4,6,7,8-HpCDF	37.03	3.928e3	3.867e3	1.02	NO	6.1627	6.1627
2 Total Hepta-Furans	37.63	2.972e3	2.856e3	1.04	NO	5.8287	5.8287
3 1,2,3,4,7,8-HpCDF	39.07	2.005e2	2.093e2	0.96	NO	0.47445	0.47445



200129K2_8 - 1903650-12 PDI-0925C-B-04-06-191011 17.8 - PDI-0925C-B-04-06-191011

#	Name	Resp	RA	nHy	RRF	wtAve	RT	RRT	RRF	Conc.	%Rec	DL	EMPC
45	Total Penta-Furans				0.9550	10.003				28.3		0.264	26.3
46	Total Hexa-Furans				1.2131	10.003				30.7		0.266	30.7
47	Total Hepta-Furans				1.1881	10.003				12.5		0.305	12.5

#	Name	RT	m1 Resp	m2 Resp	RA	nHy	EMPC	Conc.
1	1,2,3,4,6,7,8-HpCDF	37.03	3.329e3	3.867e3	1.02	NO	6.1827	6.1827
2	Total Hepta-Furans	37.63	2.972e3	2.856e3	1.04	NO	5.8267	5.8267
3	1,2,3,4,7,8,9-HpCDF	39.07	2.005e2	2.093e2	0.96	NO	0.47446	0.47446

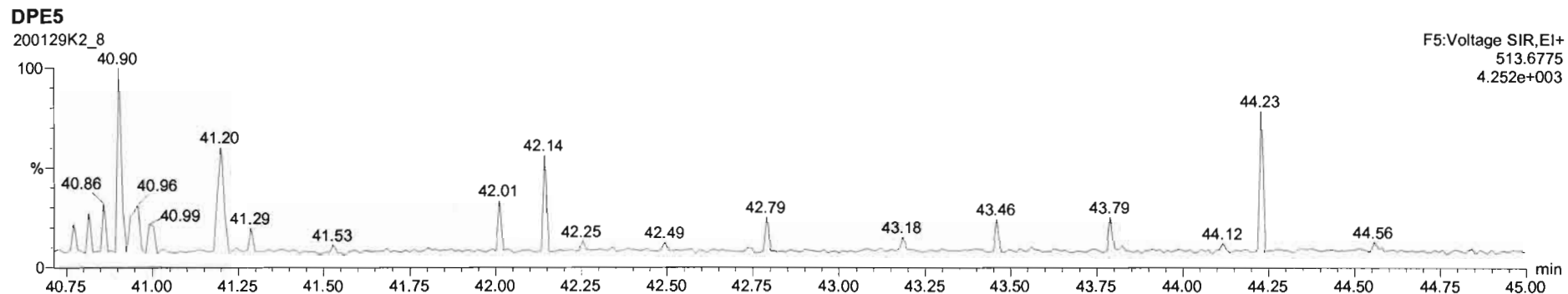
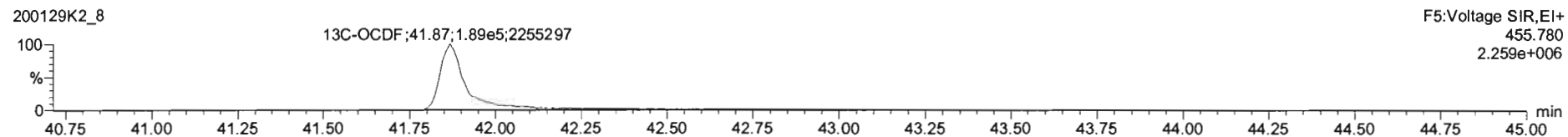
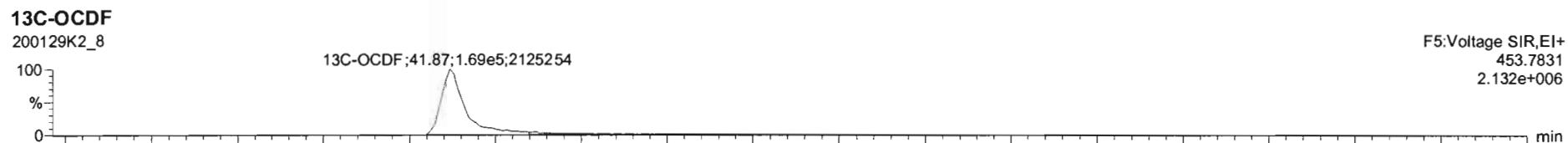
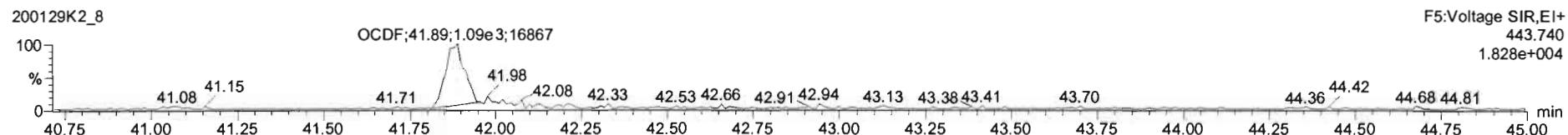
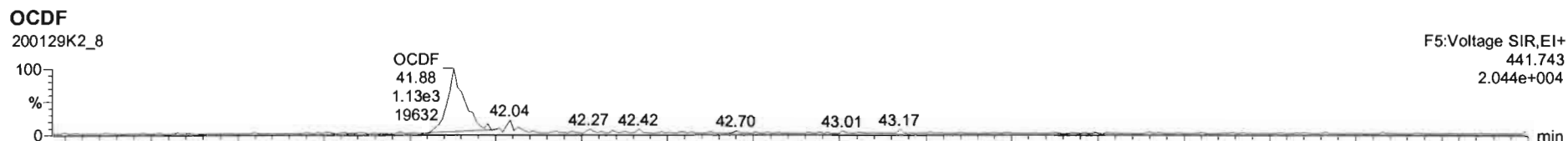


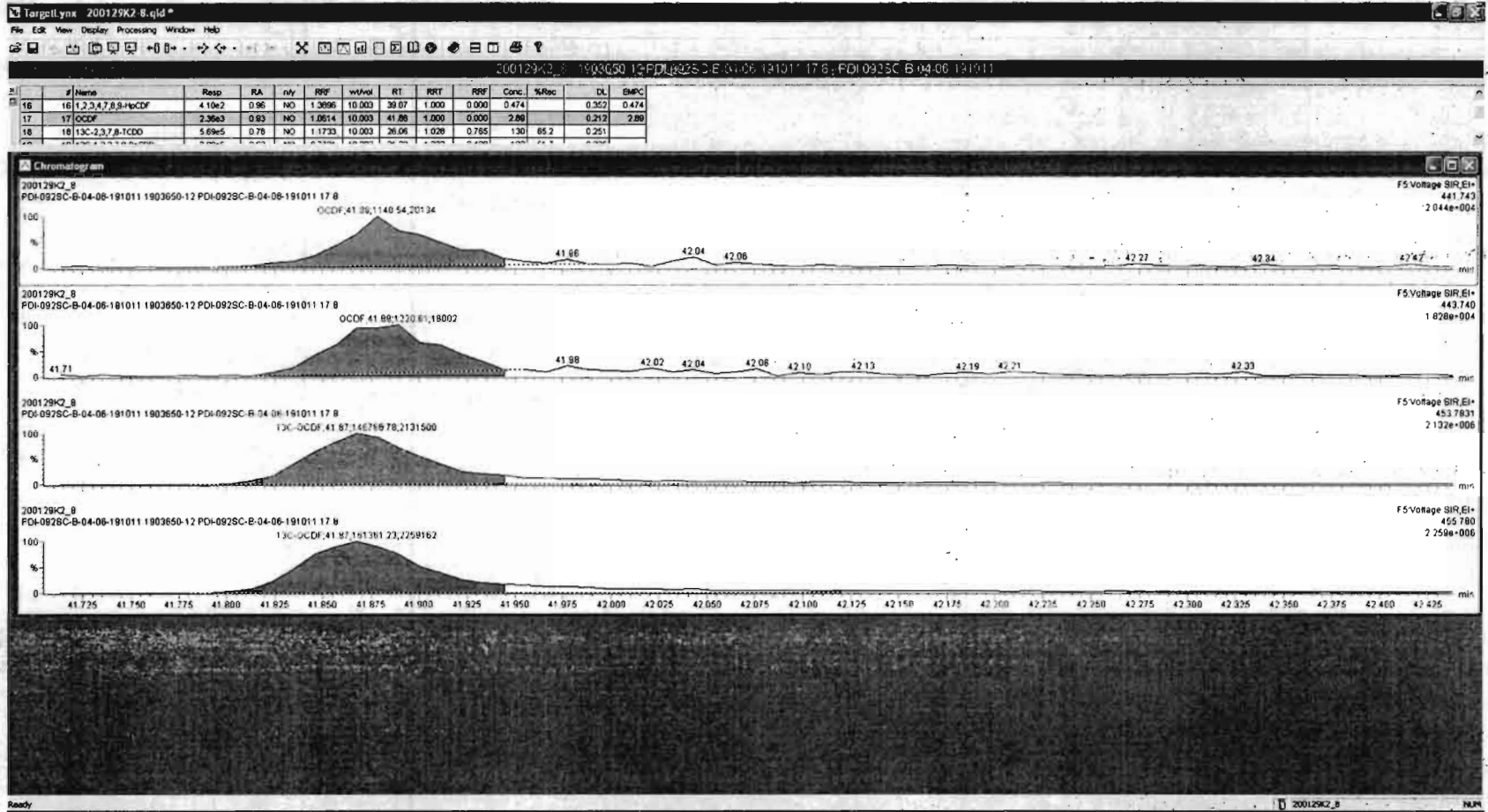
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Last Altered: Thursday, January 30, 2020 11:05:42 Pacific Standard Time

Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

Name: 200129K2_8, Date: 30-Jan-2020, Time: 09:02:45, ID: 1903650-12 PDI-092SC-B-04-06-191011 17.8, Description: PDI-092SC-B-04-06-191011

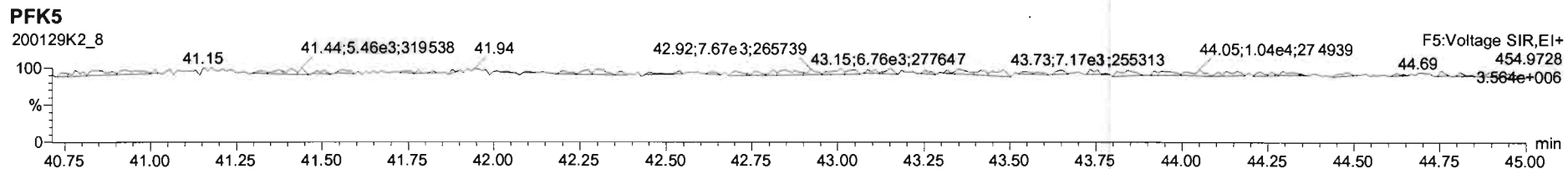
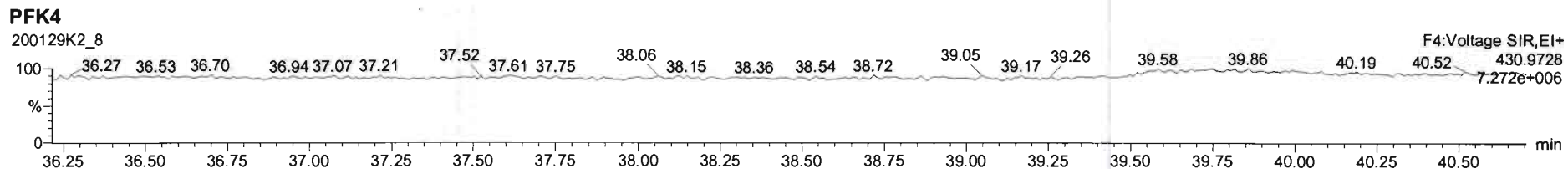
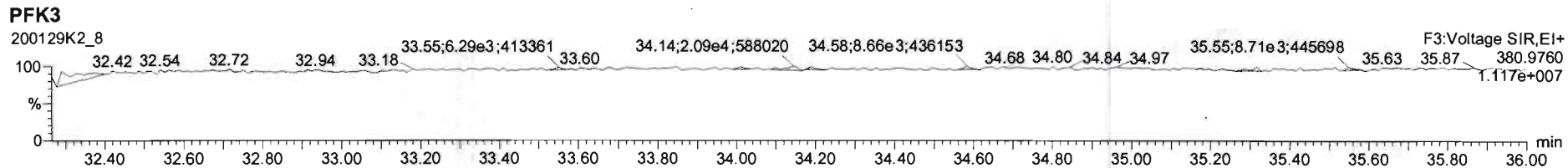
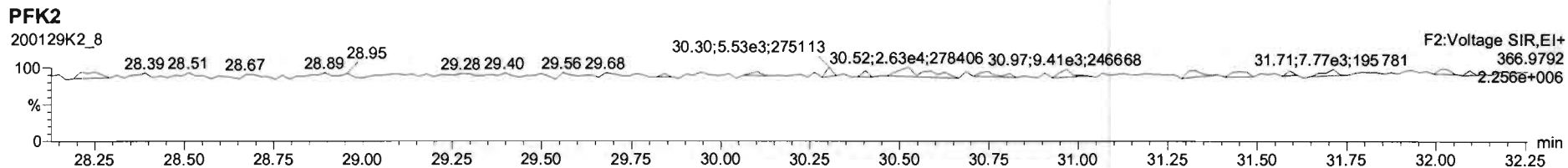
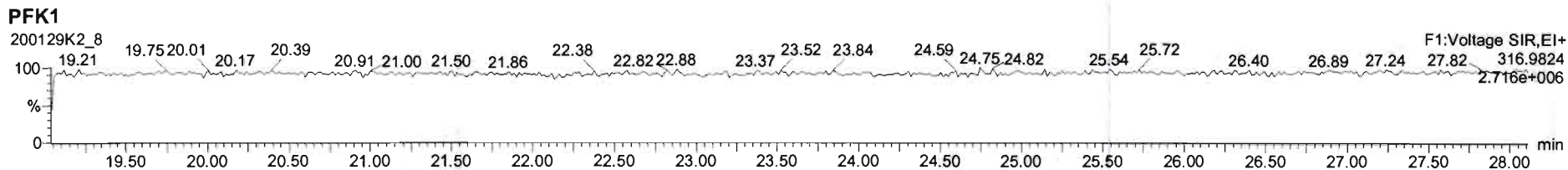




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Last Altered: Thursday, January 30, 2020 11:05:42 Pacific Standard Time
Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

Name: 200129K2_8, Date: 30-Jan-2020, Time: 09:02:45, ID: 1903650-12 PDI-092SC-B-04-06-191011 17.8, Description: PDI-092SC-B-04-06-191011



Dataset: U:\VG11.PRO\Results\200129K2\200129K2-11.qld

Last Altered: Wednesday, February 12, 2020 14:40:34 Pacific Standard Time

Printed: Wednesday, February 12, 2020 14:48:34 Pacific Standard Time

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Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K2_11, Date: 30-Jan-2020, Time: 11:29:24, ID: 1903650-13 PDI-092SC-B-06-08-191011 16.18, Description: PDI-092SC-B-06-08-191011

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD				0.943	10.031	26.08		1.00		YES			0.145	
2	2 1,2,3,7,8-PeCDD				0.897	10.031	31.25		1.00		YES			0.191	
3	3 1,2,3,4,7,8-HxCDD	84.175	0.969	YES	1.17	10.031	34.59	34.69	1.00	1.00	NO	0.08066		0.242	0.07189
4	4 1,2,3,6,7,8-HxCDD				1.01	10.031	34.68		1.00		YES			0.242	
5	5 1,2,3,7,8,9-HxCDD	79.758	1.649	YES	0.982	10.031	34.98	34.97	1.00	1.00	NO	0.07046		0.315	0.06719
6	6 1,2,3,4,6,7,8-HpCDD	1221.829	0.969	NO	1.06	10.031	38.44	38.44	1.00	1.00	NO	1.632		0.337	1.632
7	7 OCDD	5058.500	0.951	NO	1.04	10.031	41.67	41.68	1.00	1.00	NO	10.65		0.520	10.65
8	8 2,3,7,8-TCDF	545.836	0.810	NO	0.970	10.031	25.09	25.11	1.00	1.00	NO	0.1687		0.174	0.1687
9	9 1,2,3,7,8-PeCDF				0.958	10.031	29.94		1.00		YES			0.114	
10	10 2,3,4,7,8-PeCDF	643.365	1.217	YES	1.01	10.031	30.94	30.93	1.00	1.00	NO	0.2888		0.115	0.2609
11	11 1,2,3,4,7,8-HxCDF	572.619	1.149	NO	1.16	10.031	33.71	33.74	1.00	1.00	NO	0.2845		0.133	0.2845
12	12 1,2,3,6,7,8-HxCDF	237.353	1.942	YES	1.14	10.031	33.85	33.86	1.00	1.00	NO	0.09982		0.130	0.07598
13	13 2,3,4,6,7,8-HxCDF	267.537	0.848	YES	1.21	10.031	34.44	34.42	1.00	1.00	NO	0.1402		0.187	0.1229
14	14 1,2,3,7,8,9-HxCDF	99.510	0.646	YES	1.13	10.031	35.28	35.29	1.00	1.00	NO	0.07031		0.240	0.04986
15	15 1,2,3,4,6,7,8-HpCDF	2068.014	0.899	NO	1.19	10.031	37.04	37.03	1.00	1.00	NO	1.741		0.199	1.741
16	16 1,2,3,4,7,8,9-HpCDF				1.39	10.031	39.05		1.00		YES			0.271	
17	17 OCDF	478.173	0.956	NO	1.06	10.031	41.87	41.88	1.00	1.00	NO	0.7690		0.260	0.7690
18	18 13C-2,3,7,8-TCDD	451227.672	0.761	NO	1.17	10.031	26.05	26.05	1.03	1.03	NO	134.3	67.4	0.411	
19	19 13C-1,2,3,7,8-PeCDD	291626.704	0.669	NO	0.773	10.031	31.23	31.23	1.23	1.23	NO	131.8	66.1	0.384	
20	20 13C-1,2,3,4,7,8-HxCDD	177698.945	1.270	NO	0.600	10.031	34.58	34.58	1.01	1.01	NO	92.66	46.5	0.592	
21	21 13C-1,2,3,6,7,8-HxCDD	249885.336	1.142	NO	0.763	10.031	34.68	34.68	1.02	1.02	NO	102.4	51.4	0.466	
22	22 13C-1,2,3,7,8,9-HxCDD	203802.859	1.090	NO	0.676	10.031	34.95	34.94	1.02	1.02	NO	94.31	47.3	0.526	
23	23 13C-1,2,3,4,6,7,8-HpCDD	140515.414	1.053	NO	0.455	10.031	38.44	38.43	1.13	1.13	NO	96.61	48.5	0.730	
24	24 13C-OCDD	181491.625	0.914	NO	0.371	10.031	41.67	41.67	1.22	1.22	NO	152.9	38.3	1.28	
25	25 13C-2,3,7,8-TCDF	665188.313	0.794	NO	1.07	10.031	25.07	25.07	0.99	0.99	NO	118.1	59.2	0.338	
26	26 13C-1,2,3,7,8-PeCDF	497247.063	1.495	NO	0.765	10.031	29.92	29.92	1.18	1.18	NO	123.4	61.9	0.725	
27	27 13C-2,3,4,7,8-PeCDF	440915.485	1.565	NO	0.726	10.031	30.93	30.91	1.22	1.22	NO	115.2	57.8	0.764	
28	28 13C-1,2,3,4,7,8-HxCDF	344999.836	0.505	NO	0.965	10.031	33.72	33.71	0.99	0.99	NO	111.8	56.1	0.840	
29	29 13C-1,2,3,6,7,8-HxCDF	414753.813	0.507	NO	1.09	10.031	33.84	33.83	0.99	0.99	NO	118.6	59.5	0.741	
30	30 13C-2,3,4,6,7,8-HxCDF	296678.336	0.521	NO	0.984	10.031	34.41	34.40	1.01	1.01	NO	94.34	47.3	0.824	
31	31 13C-1,2,3,7,8,9-HxCDF	248639.250	0.530	NO	0.790	10.031	35.31	35.28	1.04	1.03	NO	98.40	49.4	1.02	

Dataset: U:\VG11.PRO\Results\200129K2\200129K2-11.qld

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Name: 200129K2_11, Date: 30-Jan-2020, Time: 11:29:24, ID: 1903650-13 PDI-092SC-B-06-08-191011 16.18, Description: PDI-092SC-B-06-08-191011

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	199171.887	0.485	NO	0.734	10.031	37.02	37.01	1.09	1.08	NO	84.93	42.6	0.623	
33	33 13C-1,2,3,4,7,8,9-HpCDF	116862.313	0.446	NO	0.459	10.031	39.04	39.05	1.14	1.14	NO	79.68	40.0	0.996	
34	34 13C-OCDF	233621.454	0.924	NO	0.500	10.031	41.91	41.87	1.23	1.23	NO	146.1	36.6	0.900	
35	35 37Cl-2,3,7,8-TCDD	168237.813			1.12	10.031	26.07	26.08	1.03	1.03	NO	52.27	65.5	0.107	
36	36 13C-1,2,3,4-TCDD	570727.094	0.781	NO	1.00	10.031	25.36	25.36	1.00	1.00	NO	199.4	100	0.482	
37	37 13C-1,2,3,4-TCDF	1050667.8...	0.783	NO	1.00	10.031	23.43	23.43	1.00	1.00	NO	199.4	100	0.361	
38	38 13C-1,2,3,4,6,9-HxCDF	637432.781	0.511	NO	1.00	10.031	34.10	34.11	1.00	1.00	NO	199.4	100	0.810	
39	39 Total Tetra-Dioxins				0.943	10.031	24.62		0.00		NO	0.8949		0.145	0.8949
40	40 Total Penta-Dioxins				0.897	10.031	29.96		0.00		NO	0.06238		0.0962	0.9220
41	41 Total Hexa-Dioxins				1.01	10.031	33.63		0.00		NO	0.0000		0.173	2.191
42	42 Total Hepta-Dioxins				1.06	10.031	38.80		0.00		NO	3.850		0.337	3.850
43	43 Total Tetra-Furans				0.970	10.031	23.61		0.00		NO	3.628		0.174	4.034
44	44 1st Func. Penta-Furans				0.958	10.031	27.04		0.00		NO	0.4268		0.0634	0.4268
45	45 Total Penta-Furans				0.958	10.031	29.27		0.00		NO	0.1609		0.117	1.500
46	46 Total Hexa-Furans				1.21	10.031	33.56		0.00		NO	0.8115		0.152	1.658
47	47 Total Hepta-Furans				1.19	10.031	37.83		0.00		NO	2.660		0.242	2.660

Dataset: U:\VG11.PRO\Results\200129K2\200129K2-11.qld

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Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K2_11, Date: 30-Jan-2020, Time: 11:29:24, ID: 1903650-13 PDI-092SC-B-06-08-191011 16.18, Description: PDI-092SC-B-06-08-191011

Tetra-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	39 Total Tetra-Dioxins	5.85e2	4.51e5	0.832	NO	24.62	23.63	0.2742	0.2742
2	39 Total Tetra-Dioxins	7.55e2	4.51e5	0.823	NO	24.62	21.72	0.3536	0.3536
3	39 Total Tetra-Dioxins	5.70e2	4.51e5	0.820	NO	24.62	22.10	0.2671	0.2671

Penta-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	40 Total Penta-Dioxins	8.19e1	2.92e5	0.643	NO	29.96	30.12	0.06238	0.06238
2	40 Total Penta-Dioxins	0.00e0	2.92e5	0.776	YES	29.96	28.99	0.0000	0.1142
3	40 Total Penta-Dioxins	0.00e0	2.92e5	0.820	YES	29.96	29.50	0.0000	0.1350
4	40 Total Penta-Dioxins	0.00e0	2.92e5	0.342	YES	29.96	29.46	0.0000	0.07005
5	40 Total Penta-Dioxins	0.00e0	2.92e5	1.845	YES	29.96	29.94	0.0000	0.06708
6	40 Total Penta-Dioxins	0.00e0	2.92e5	0.735	YES	29.96	30.34	0.0000	0.03959
7	40 Total Penta-Dioxins	0.00e0	2.92e5	0.816	YES	29.96	31.65	0.0000	0.06146
8	40 Total Penta-Dioxins	0.00e0	2.92e5	0.864	YES	29.96	30.83	0.0000	0.05891
9	40 Total Penta-Dioxins	0.00e0	2.92e5	0.794	YES	29.96	30.48	0.0000	0.1541
10	40 Total Penta-Dioxins	0.00e0	2.92e5	0.704	NO	29.96	30.00	0.0000	0.1592

Hexa-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	41 Total Hexa-Dioxins	0.00e0	0.00e0	1.502	YES	33.63	33.68	0.0000	0.2633
2	41 Total Hexa-Dioxins	0.00e0	0.00e0	1.704	YES	33.63	33.12	0.0000	1.059
3	41 Total Hexa-Dioxins	0.00e0	0.00e0	1.570	YES	33.63	33.92	0.0000	0.7302
4	5 1,2,3,7,8,9-HxCDD	7.98e1	2.04e5	1.649	YES	34.98	34.97	0.0000	0.06719
5	3 1,2,3,4,7,8-HxCDD	8.42e1	1.78e5	0.969	YES	34.59	34.69	0.0000	0.07189

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Dataset: U:\VG11.PRO\Results\200129K2\200129K2-11.qld

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Name: 200129K2_11, Date: 30-Jan-2020, Time: 11:29:24, ID: 1903650-13 PDI-092SC-B-06-08-191011 16.18, Description: PDI-092SC-B-06-08-191011

Hepta-Dioxins

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	6 1,2,3,4,6,7,8-HpCDD	1.22e3	1.41e5	0.969	NO	38.44	38.44	1.632	1.632
2	42 Total Hepta-Dioxins	1.66e3	1.41e5	1.117	NO	38.80	37.42	2.218	2.218

Tetra-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	43 Total Tetra-Furans	8.21e2	6.65e5	0.763	NO	23.61	25.48	0.2538	0.2538
2	8 2,3,7,8-TCDF	5.46e2	6.65e5	0.810	NO	25.09	25.11	0.1687	0.1687
3	43 Total Tetra-Furans	7.93e2	6.65e5	0.812	NO	23.61	24.01	0.2451	0.2451
4	43 Total Tetra-Furans	0.00e0	6.65e5	0.905	YES	23.61	23.16	0.0000	0.1402
5	43 Total Tetra-Furans	4.75e2	6.65e5	0.820	NO	23.61	22.15	0.1468	0.1468
6	43 Total Tetra-Furans	1.59e3	6.65e5	0.864	NO	23.61	21.72	0.4909	0.4909
7	43 Total Tetra-Furans	1.84e3	6.65e5	0.758	NO	23.61	21.28	0.5693	0.5693
8	43 Total Tetra-Furans	3.14e3	6.65e5	0.756	NO	23.61	20.76	0.9693	0.9693
9	43 Total Tetra-Furans	5.80e2	6.65e5	0.868	NO	23.61	20.17	0.1793	0.1793
10	43 Total Tetra-Furans	8.61e2	6.65e5	0.711	NO	23.61	19.66	0.2659	0.2659
11	43 Total Tetra-Furans	0.00e0	6.65e5	0.997	YES	23.61	23.49	0.0000	0.2657
12	43 Total Tetra-Furans	4.63e2	6.65e5	0.697	NO	23.61	22.53	0.1429	0.1429
13	43 Total Tetra-Furans	6.36e2	6.65e5	0.745	NO	23.61	23.32	0.1964	0.1964

Penta-Furans function 1

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	44 1st Func. Penta-Fura...	9.62e2	0.00e0	1.771	NO	27.04	27.25	0.4268	0.4268

Dataset: U:\VG11.PRO\Results\200129K2\200129K2-11.qld

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Name: 200129K2_11, Date: 30-Jan-2020, Time: 11:29:24, ID: 1903650-13 PDI-092SC-B-06-08-191011 16.18, Description: PDI-092SC-B-06-08-191011

Penta-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	45 Total Penta-Furans	0.00e0	0.00e0	2.095	YES	29.27	28.75	0.0000	0.1116
2	10 2,3,4,7,8-PeCDF	6.43e2	4.41e5	1.217	YES	30.94	30.93	0.0000	0.2609
3	45 Total Penta-Furans	3.63e2	0.00e0	1.363	NO	29.27	30.83	0.1609	0.1609
4	45 Total Penta-Furans	0.00e0	0.00e0	1.878	YES	29.27	29.54	0.0000	0.1441
5	45 Total Penta-Furans	0.00e0	0.00e0	2.920	YES	29.27	28.99	0.0000	0.08955
6	45 Total Penta-Furans	0.00e0	0.00e0	1.302	YES	29.27	28.93	0.0000	0.4513
7	45 Total Penta-Furans	0.00e0	0.00e0	1.117	YES	29.27	30.18	0.0000	0.1396
8	45 Total Penta-Furans	0.00e0	0.00e0	0.667	YES	29.27	28.77	0.0000	0.09954
9	45 Total Penta-Furans	0.00e0	0.00e0	1.192	YES	29.27	30.97	0.0000	0.04288

Hexa-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	11 1,2,3,4,7,8-HxCDF	5.73e2	3.45e5	1.149	NO	33.71	33.74	0.2845	0.2845
2	46 Total Hexa-Furans	7.47e2	0.00e0	1.276	NO	33.56	33.28	0.3761	0.3761
3	46 Total Hexa-Furans	0.00e0	0.00e0	1.655	YES	33.56	32.75	0.0000	0.4009
4	46 Total Hexa-Furans	0.00e0	0.00e0	0.911	YES	33.56	32.58	0.0000	0.1968
5	14 1,2,3,7,8,9-HxCDF	9.95e1	2.49e5	0.646	YES	35.28	35.29	0.0000	0.04986
6	13 2,3,4,6,7,8-HxCDF	2.68e2	2.97e5	0.848	YES	34.44	34.42	0.0000	0.1229
7	12 1,2,3,6,7,8-HxCDF	2.37e2	4.15e5	1.942	YES	33.85	33.86	0.0000	0.07598
8	46 Total Hexa-Furans	3.00e2	0.00e0	1.159	NO	33.56	33.64	0.1510	0.1510

Hepta-Furans

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	47 Total Hepta-Furans	8.66e2	0.00e0	0.905	NO	37.83	37.61	0.9186	0.9186
2	15 1,2,3,4,6,7,8-HpCDF	2.07e3	1.99e5	0.899	NO	37.04	37.03	1.741	1.741

Dataset: U:\VG11.PRO\Results\200129K2\200129K2-11.qld

Last Altered: Thursday, January 30, 2020 12:27:35 Pacific Standard Time

Printed: Thursday, January 30, 2020 12:28:43 Pacific Standard Time

July 02-06-2020

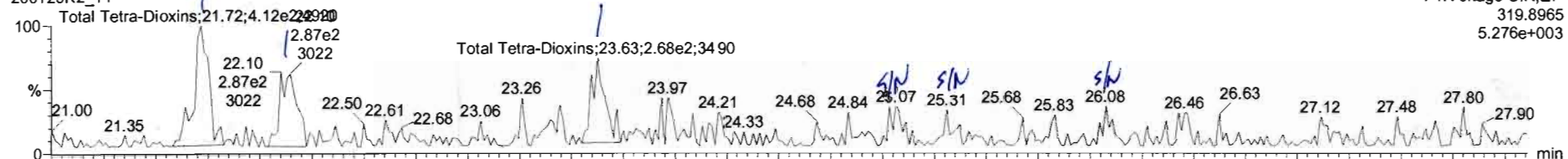
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Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

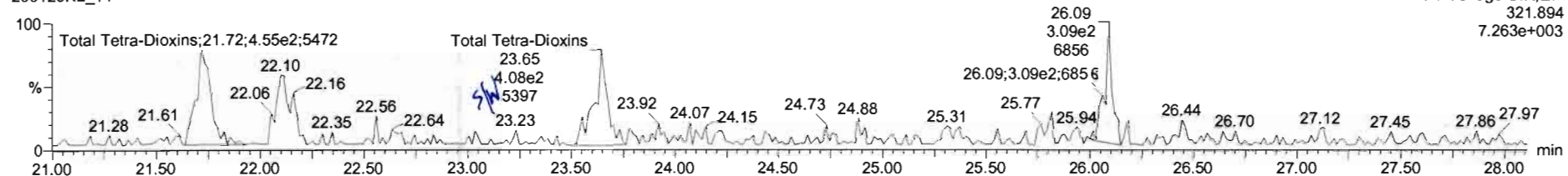
Name: 200129K2_11, Date: 30-Jan-2020, Time: 11:29:24, ID: 1903650-13 PDI-092SC-B-06-08-191011 16.18, Description: PDI-092SC-B-06-08-191011

2,3,7,8-TCDD

200129K2_11

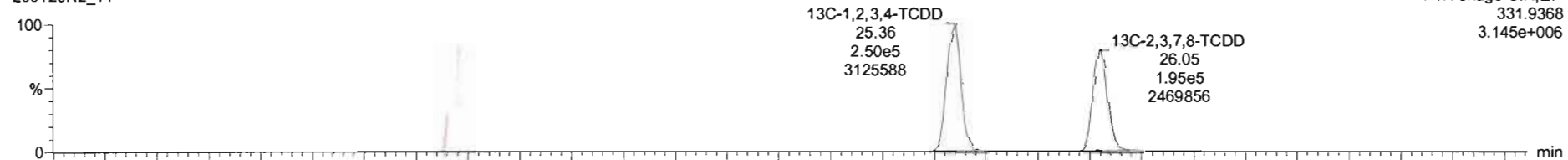


200129K2_11

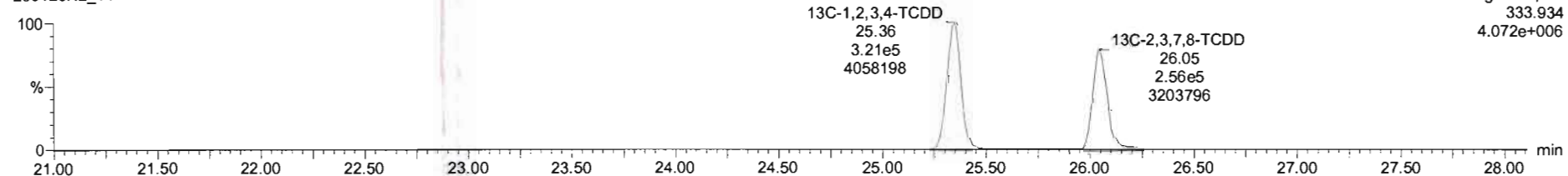


13C-2,3,7,8-TCDD

200129K2_11

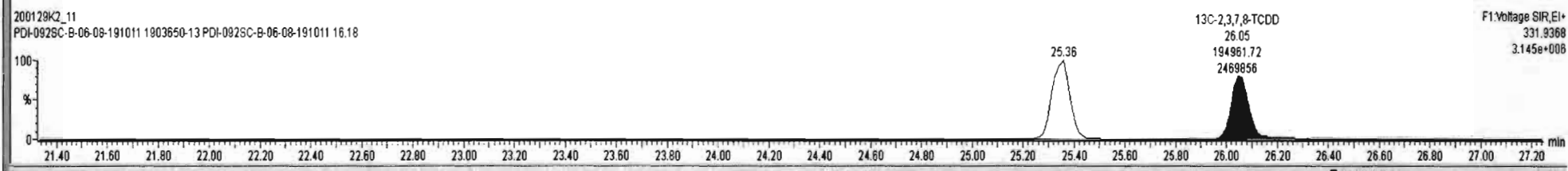
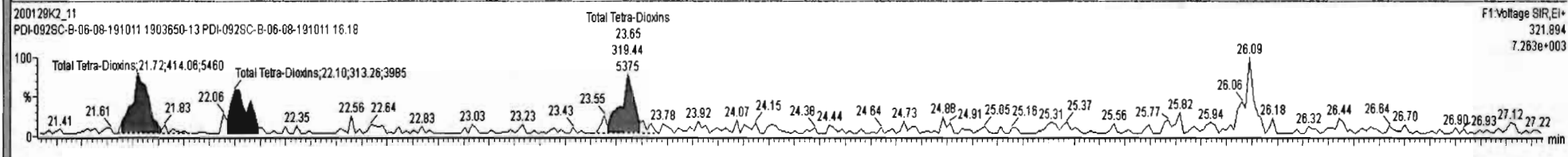
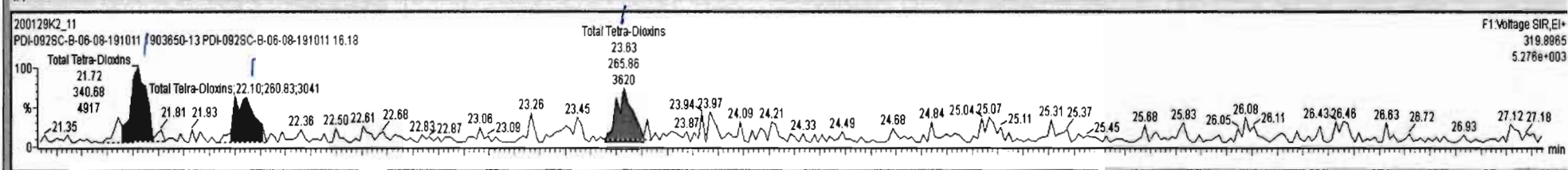


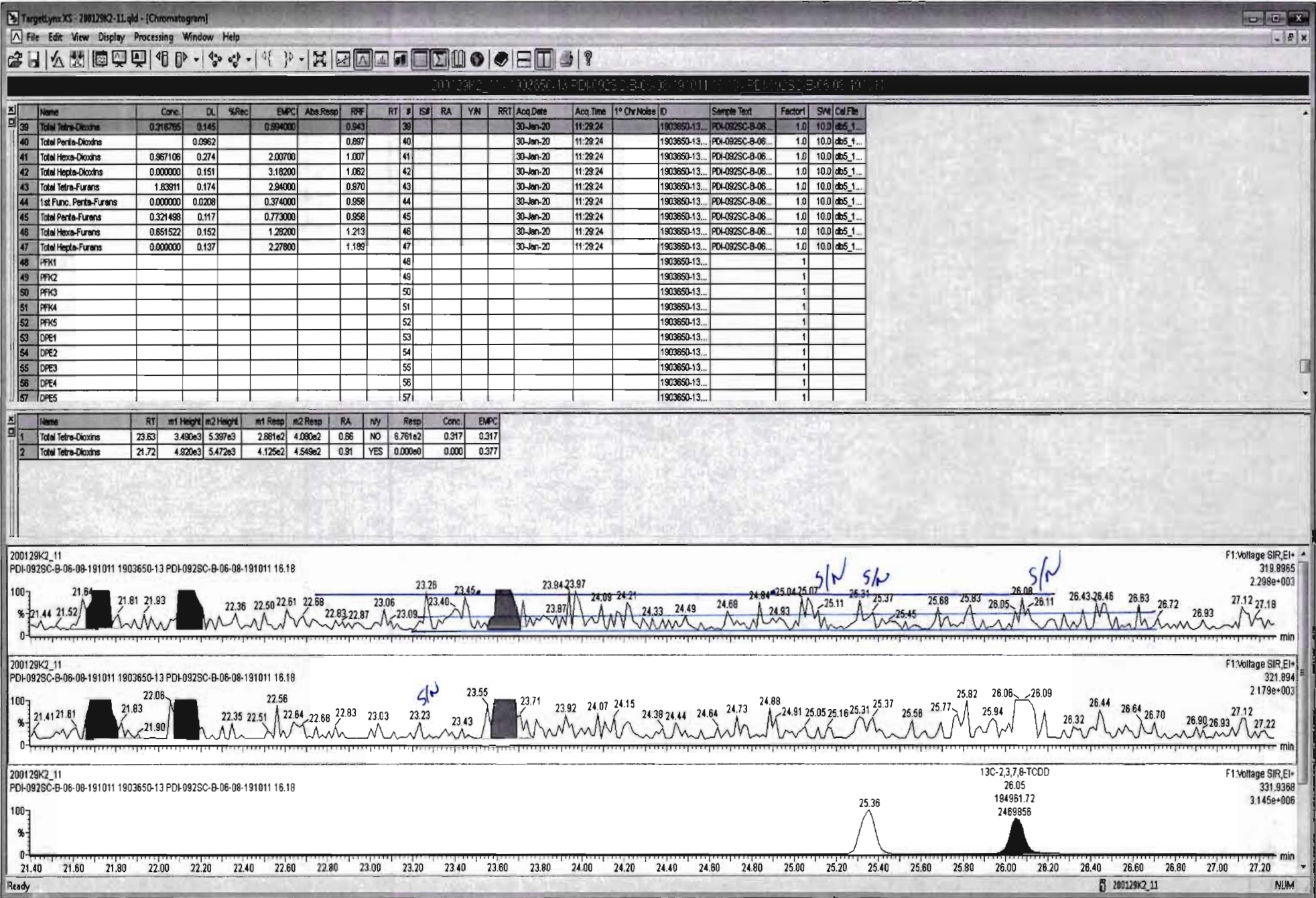
200129K2_11



#	Name	Conc.	DL	%Rec	EMPC	Abs Resp	RRF	RT	#	IS#	RA	YAN	RRT	Acq Date	Acq Time	1° Chr/Noise	ID	Sample Text	Factor1	SVA	Cal File
39	Total Tetra-Dioxins	0.896913	0.145		0.896913		0.943	39						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...
40	Total Penta-Dioxins		0.0862				0.897	40						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...
41	Total Hexa-Dioxins	0.967106	0.274		2.00700		1.007	41						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...
42	Total Hepta-Dioxins	0.000000	0.151		3.18240		1.062	42						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...
43	Total Tetra-Furans	1.83911	0.174		2.93979		0.970	43						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...
44	1st Func. Penta-Furans	0.000000	0.0208		0.374366		0.958	44						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...
45	Total Penta-Furans	0.321498	0.117		0.772755		0.958	45						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...
46	Total Hexa-Furans	0.851522	0.152		1.29172		1.213	46						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...
47	Total Hepta-Furans	0.000000	0.137		2.27818		1.189	47						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...
48	PFK1							48									1903650-13...		1		
49	PFK2							49									1903650-13...		1		
50	PFK3							50									1903650-13...		1		
51	PFK4							51									1903650-13...		1		
52	PFK5							52									1903650-13...		1		
53	DPE1							53									1903650-13...		1		
54	DPE2							54									1903650-13...		1		
55	DPE3							55									1903650-13...		1		
56	DPE4							56									1903650-13...		1		
57	DPE5							57									1903650-13...		1		

#	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC
1	Total Tetra-Dioxins	23.63	3.620e3	5.375e3	2.659e2	3.194e2	0.83	NO	5.853e2	0.274	0.274
2	Total Tetra-Dioxins	22.10	3.041e3	3.905e3	2.608e2	3.133e2	0.83	NO	5.741e2	0.269	0.269
3	Total Tetra-Dioxins	21.72	4.917e3	5.460e3	3.407e2	4.141e2	0.82	NO	7.547e2	0.354	0.354





Dataset: U:\VG11.PRO\Results\200129K2\200129K2-11.qld

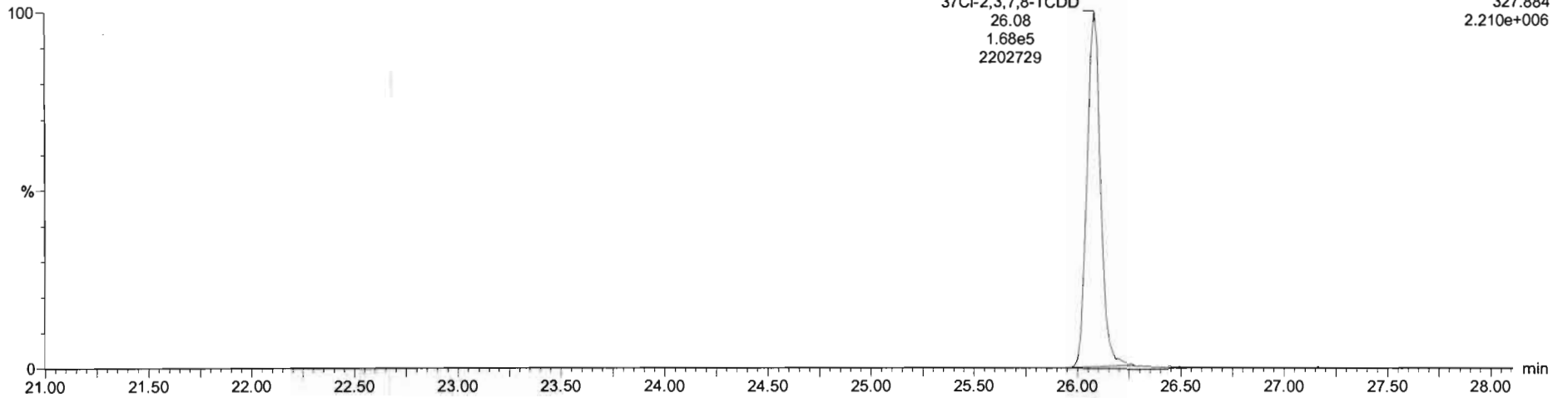
Last Altered: Thursday, January 30, 2020 12:27:35 Pacific Standard Time

Printed: Thursday, January 30, 2020 12:28:43 Pacific Standard Time

Name: 200129K2_11, Date: 30-Jan-2020, Time: 11:29:24, ID: 1903650-13 PDI-092SC-B-06-08-191011 16.18, Description: PDI-092SC-B-06-08-191011

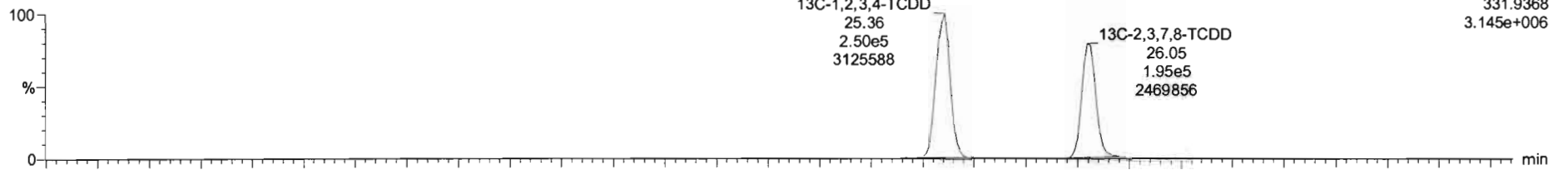
37Cl-2,3,7,8-TCDD

200129K2_11

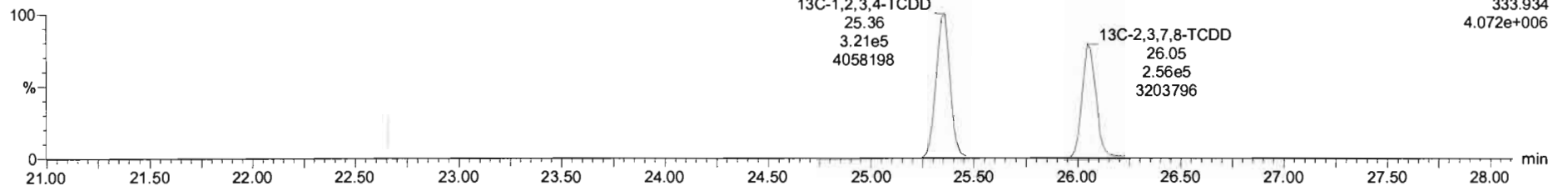


13C-1,2,3,4-TCDD

200129K2_11



200129K2_11



Dataset: U:\VG11.PRO\Results\200129K2\200129K2-11.qld

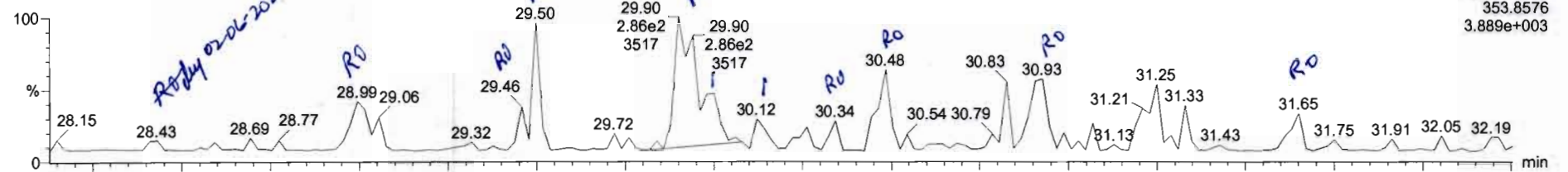
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Name: 200129K2_11, Date: 30-Jan-2020, Time: 11:29:24, ID: 1903650-13 PDI-092SC-B-06-08-191011 16.18, Description: PDI-092SC-B-06-08-191011

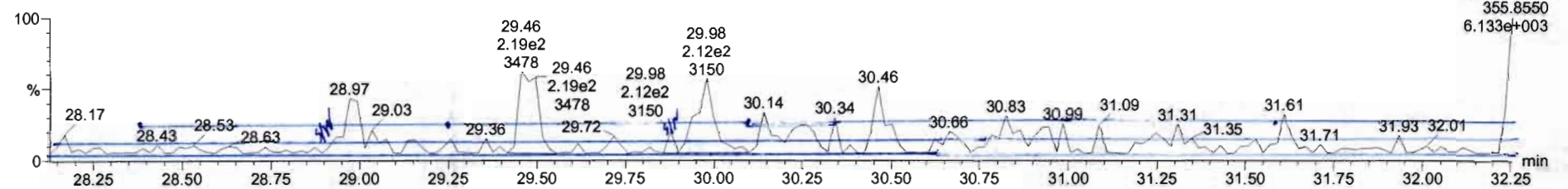
1,2,3,7,8-PeCDD

200129K2_11



F2:Voltage SIR,EI+
353.8576
3.889e+003

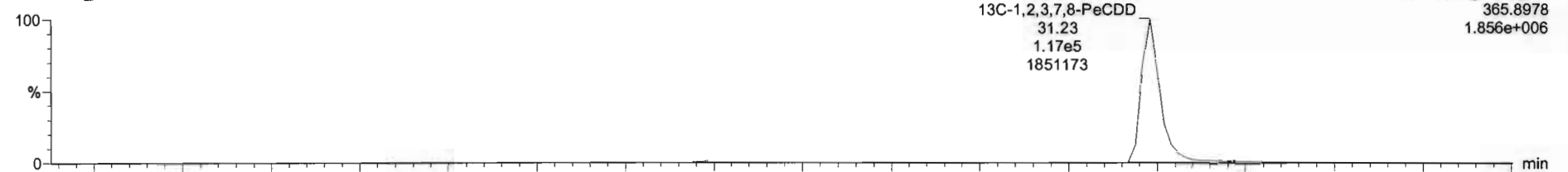
200129K2_11



F2:Voltage SIR,EI+
355.8550
6.133e+003

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

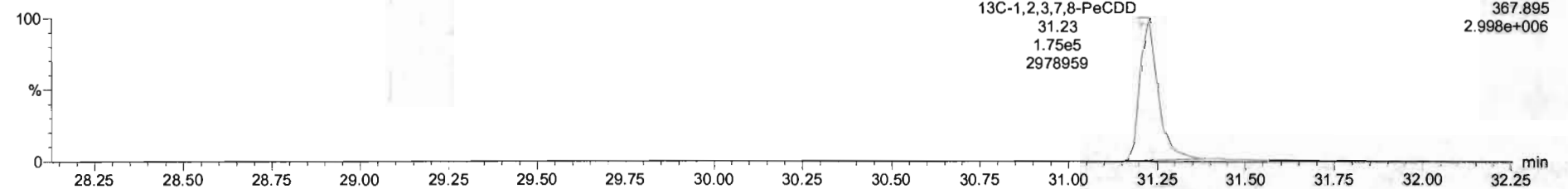
200129K2_11



13C-1,2,3,7,8-PeCDD
31.23
1.17e5
1851173

F2:Voltage SIR,EI+
365.8978
1.856e+006

200129K2_11



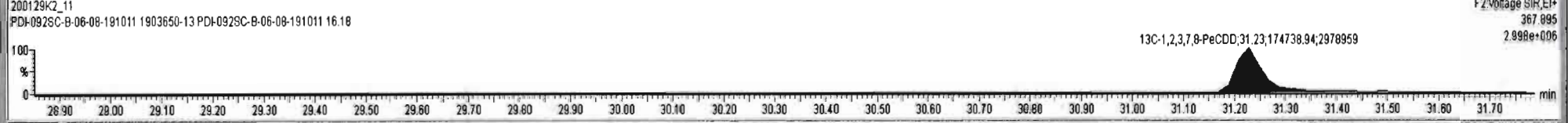
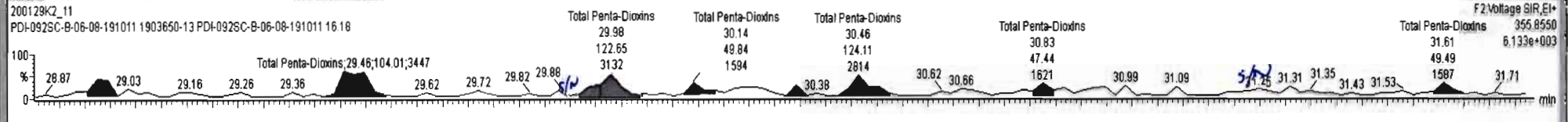
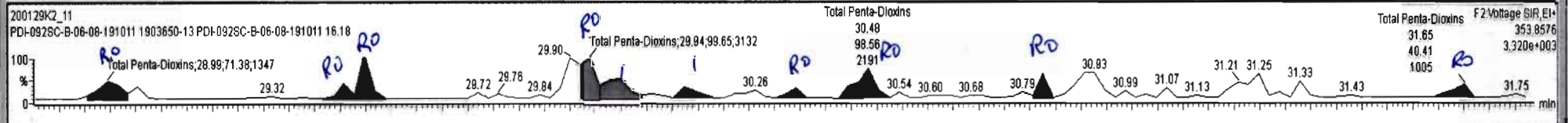
13C-1,2,3,7,8-PeCDD
31.23
1.75e5
2978959

F2:Voltage SIR,EI+
367.895
2.998e+006

200129K2_11 - 1903650-13.PDI-092SC-B-06-08-191011 16.18 - FC - P2SC-B-06-08-1911

Name	Conc.	DL	%Rec	EMPC	Abs Resp	RRF	RT	#	ISF	RA	Y/N	RRT	Acq.Date	Acq.Time	1 st Chr.Nicks	ID	Sample Text	Factor1	SM	Cal File		
Total Penta-Dioxins	0.000000	0.0982		0.922024		0.897	40						30-Jan-20	11:29:24		1903650-13...	PDI-092SC-B-06...	1.0	10.0	db5_1...		
Total Hexa-Dioxins	0.967106	0.274		2.00700		1.007	41						30-Jan-20	11:29:24		1903650-13...	PDI-092SC-B-06...	1.0	10.0	db5_1...		
Total Hepta-Dioxins	0.000000	0.151		3.18240		1.062	42						30-Jan-20	11:29:24		1903650-13...	PDI-092SC-B-06...	1.0	10.0	db5_1...		
Total Tetra-Furans	1.83911	0.174		2.93979		0.970	43						30-Jan-20	11:29:24		1903650-13...	PDI-092SC-B-06...	1.0	10.0	db5_1...		
1st Func. Penta-Furans	0.000000	0.0208		0.374386		0.958	44						30-Jan-20	11:29:24		1903650-13...	PDI-092SC-B-06...	1.0	10.0	db5_1...		
Total Penta-Furans	0.321498	0.117		0.772755		0.958	45						30-Jan-20	11:29:24		1903650-13...	PDI-092SC-B-06...	1.0	10.0	db5_1...		
Total Hexa-Furans	0.851522	0.152		1.28172		1.213	46						30-Jan-20	11:29:24		1903650-13...	PDI-092SC-B-06...	1.0	10.0	db5_1...		
Total Hepta-Furans	0.000000	0.137		2.27818		1.189	47						30-Jan-20	11:29:24		1903650-13...	PDI-092SC-B-06...	1.0	10.0	db5_1...		
PFK1							48									1903650-13...					1	
PFK2							49									1903650-13...					1	

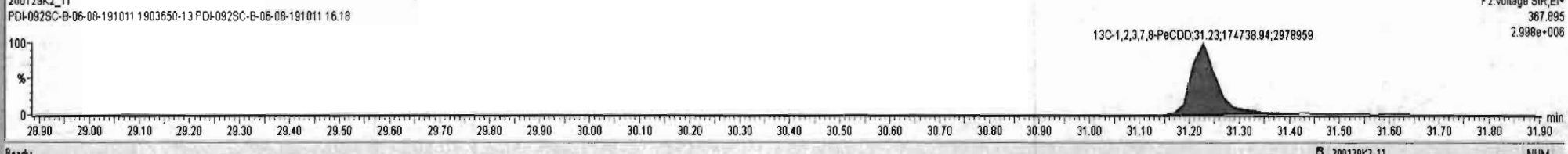
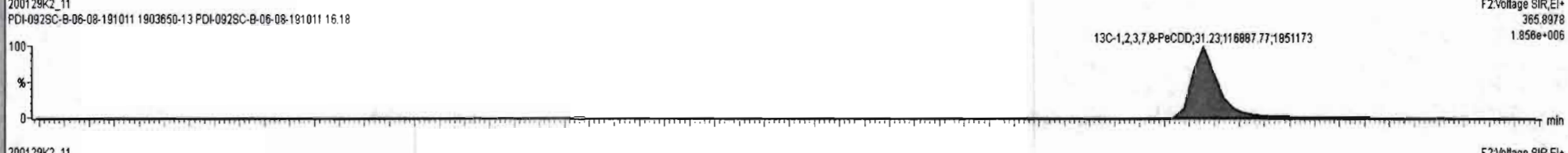
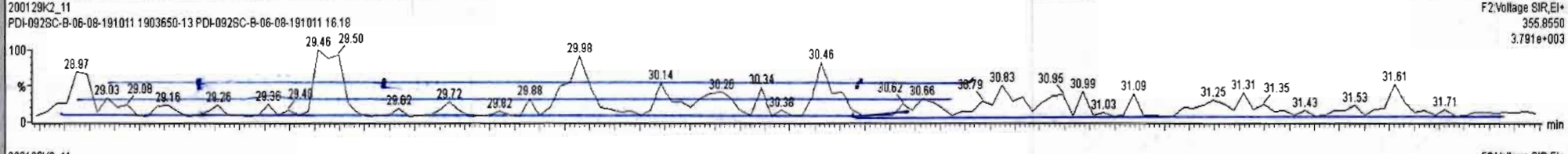
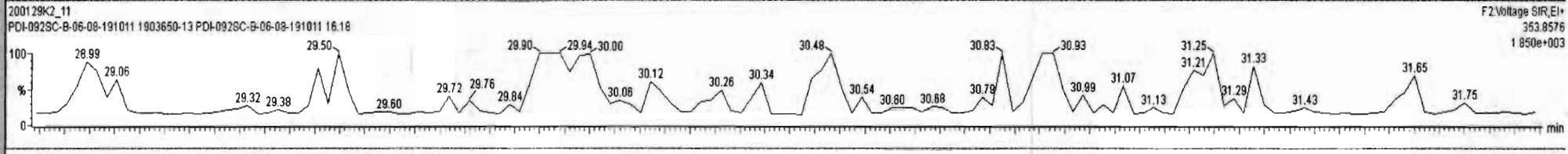
Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC
Total Penta-Dioxins	28.99	1.347e3	2.181e3	7.138e1	9.196e1	0.78	YES	0.000e0	0.000	0.114
Total Penta-Dioxins	29.46	1.248e3	3.447e3	3.554e1	1.040e2	0.34	YES	0.000e0	0.000	0.0701
Total Penta-Dioxins	29.50	3.524e3	3.205e3	8.916e1	1.087e2	0.82	YES	0.000e0	0.000	0.135
Total Penta-Dioxins	29.94	3.132e3	1.670e3	9.965e1	5.402e1	1.84	YES	0.000e0	0.000	0.0671
Total Penta-Dioxins	30.00	1.515e3	3.132e3	8.638e1	1.226e2	0.70	NO	0.000e0	0.000	0.159
Total Penta-Dioxins	30.12	8.060e2	1.594e3	3.204e1	4.984e1	0.64	NO	0.000e0	0.000	0.0624
Total Penta-Dioxins	30.34	7.920e2	1.540e3	2.344e1	3.188e1	0.74	YES	0.000e0	0.000	0.0396
Total Penta-Dioxins	30.48	2.191e3	2.814e3	9.856e1	1.241e2	0.79	YES	0.000e0	0.000	0.154
Total Penta-Dioxins	30.83	1.870e3	1.521e3	4.098e1	4.744e1	0.86	YES	0.000e0	0.000	0.0589
Total Penta-Dioxins	31.65	1.005e3	1.587e3	4.041e1	4.949e1	0.82	YES	0.000e0	0.000	0.0615



200129K2_11 - 1903650-13 PDI-0925C-B-06-08-191011 16.18 - PDI-0925C-B-06-08-191011

Name	Conc.	DL	%Rec	EMPC	Abs Resp	RRF	RT	#	IS#	RA	YN	RRT	Acq.Date	AcqTime	1° Cr.Noise	ID	Sample Text	Factor1	SM	Cal File			
40 Total Penta-Dioxins		0.0962				0.897	40						30-Jan-20	11:28:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...			
41 Total Hexa-Dioxins	0.967106	0.274		2.00700		1.007	41						30-Jan-20	11:28:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...			
42 Total Hepta-Dioxins	0.000000	0.151		3.16200		1.062	42						30-Jan-20	11:28:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...			
43 Total Tetra-Furans	1.83911	0.174		2.94000		0.970	43						30-Jan-20	11:28:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...			
44 1st Func. Penta-Furans	0.000000	0.0208		0.374000		0.958	44						30-Jan-20	11:28:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...			
45 Total Penta-Furans	0.321498	0.117		0.773000		0.958	45						30-Jan-20	11:28:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...			
46 Total Hexa-Furans	0.651522	0.152		1.28200		1.213	46						30-Jan-20	11:28:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...			
47 Total Hepta-Furans	0.000000	0.137		2.27800		1.189	47						30-Jan-20	11:28:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...			
48 PFK1							48														1		
49 PFK2							49															1	

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



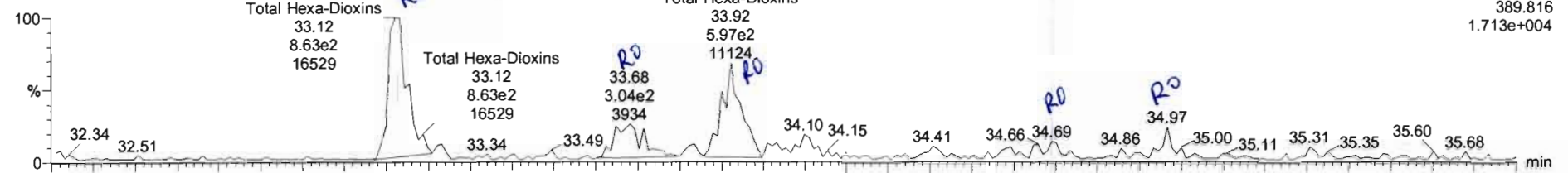
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Printed: Thursday, January 30, 2020 12:28:43 Pacific Standard Time

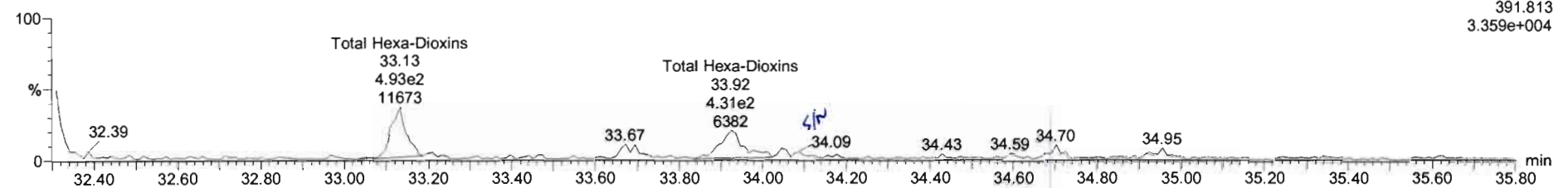
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1,2,3,4,7,8-HxCDD

200129K2_11

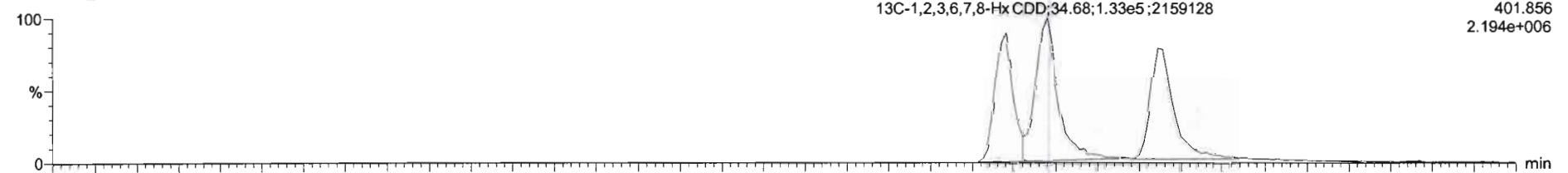


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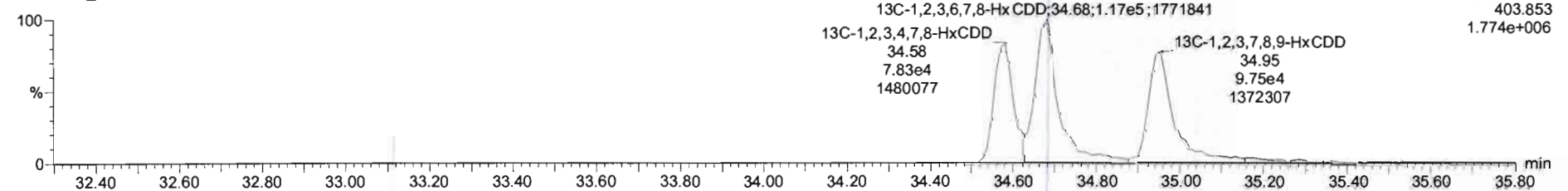


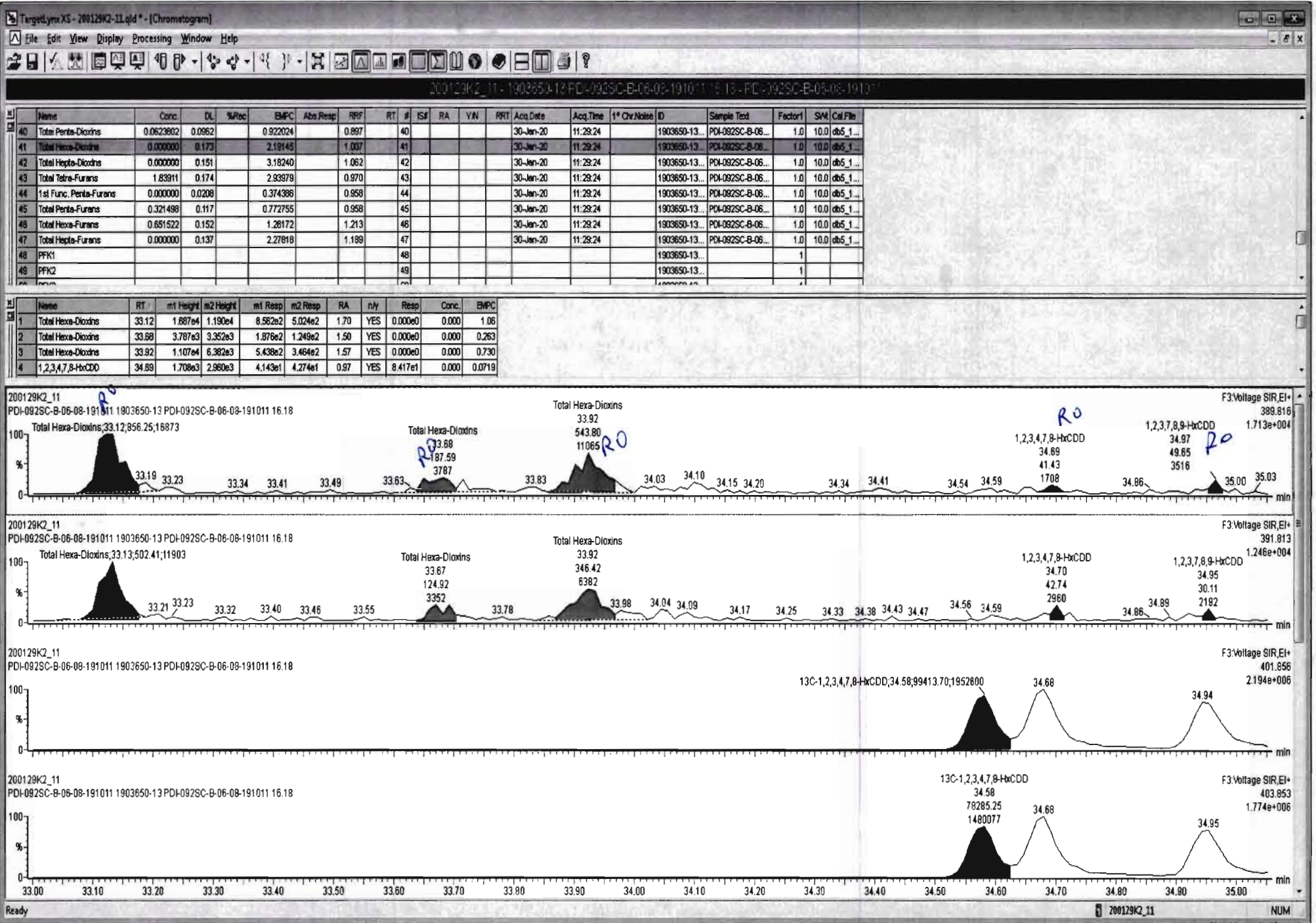
13C-1,2,3,4,7,8-HxCDD

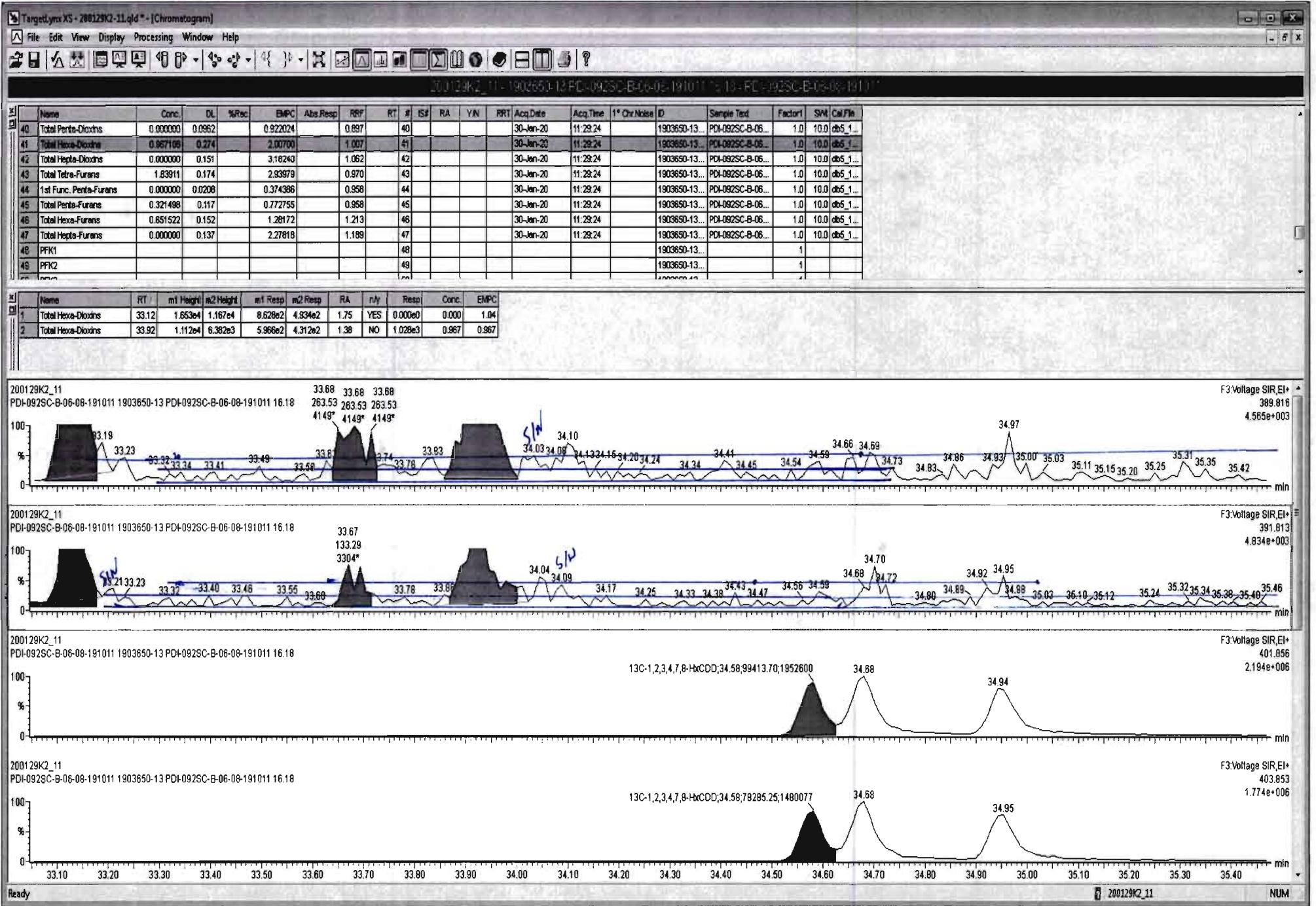
200129K2_11



200129K2_11







Dataset: U:\VG11.PRO\Results\200129K2\200129K2-11.qld

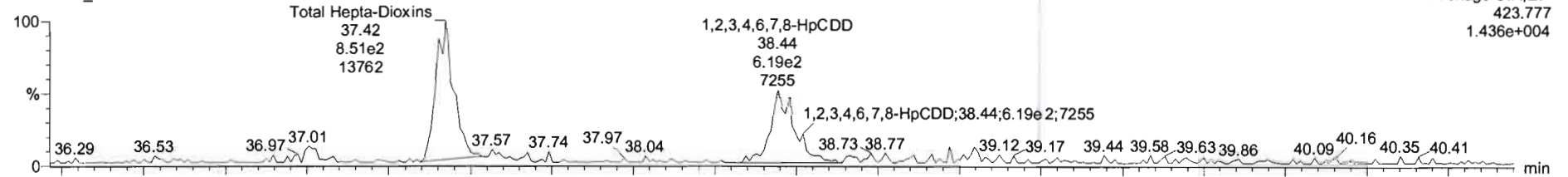
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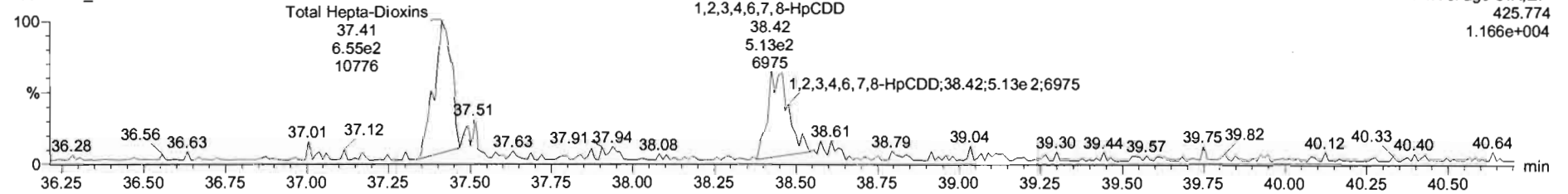
Name: 200129K2_11, Date: 30-Jan-2020, Time: 11:29:24, ID: 1903650-13 PDI-092SC-B-06-08-191011 16.18, Description: PDI-092SC-B-06-08-191011

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

200129K2_11

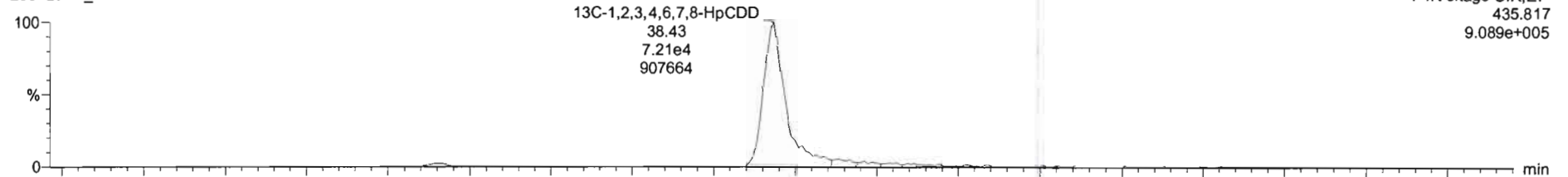


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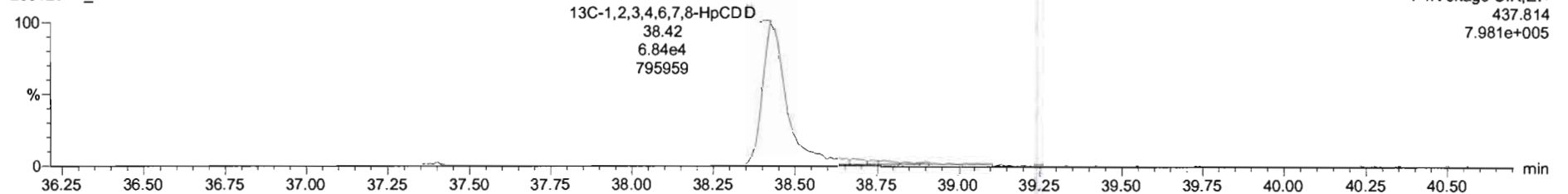


13C-1,2,3,4,6,7,8-HpCDD

200129K2_11

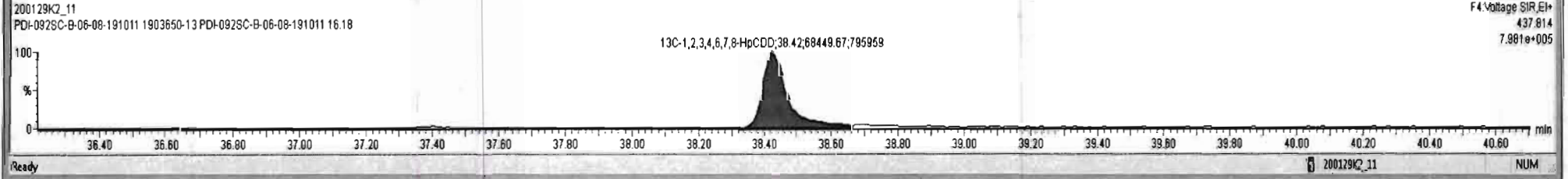
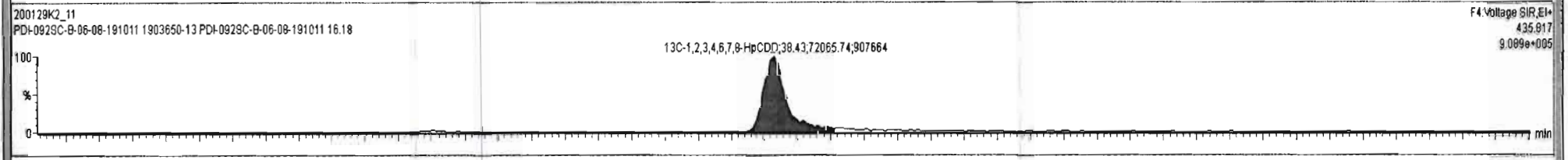
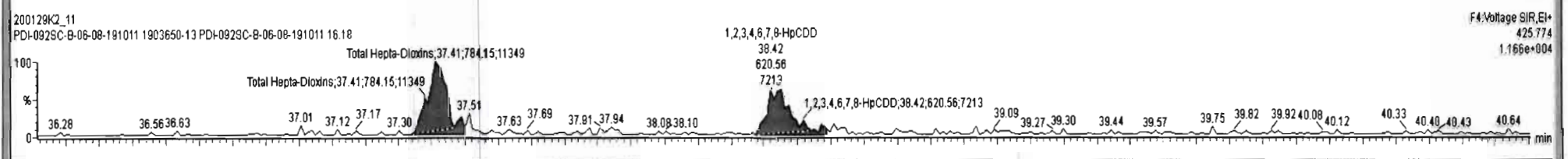
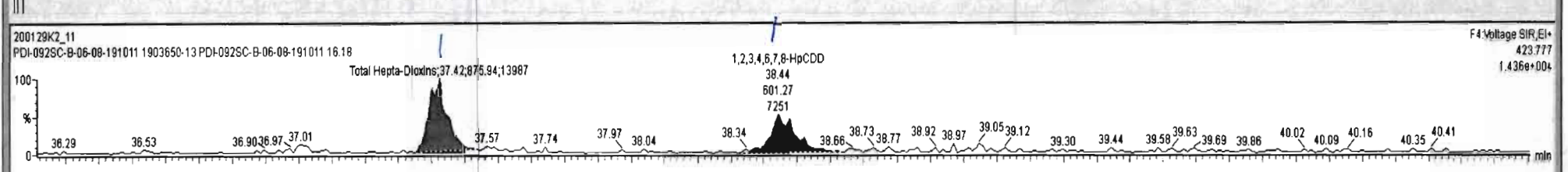


200129K2_11



Name	Conc.	DL	%Rec	EMPC	Abs.Resp	RRF	RT	#	IS#	RA	Y/N	RRT	Acq.Date	Acq.Time	1* Chr.Noise	D	Sample Text	Factor1	S/M	Cal File	
40 Total Penta-Dioxins	0.0623802	0.0962		0.922024		0.897	40						30-Jan-20	11:29:24		1903650-13...	PDI-092SC-B-06...	1.0	10.0	db5_1...	
41 Total Hexa-Dioxins	0.000000	0.173		2.19145		1.007	41						30-Jan-20	11:29:24		1903650-13...	PDI-092SC-B-06...	1.0	10.0	db5_1...	
42 Total Hepta-Dioxins	3.84967	0.337		3.84967		1.062	42						30-Jan-20	11:29:24		1903650-13...	PDI-092SC-B-06...	1.0	10.0	db5_1...	
43 Total Tetra-Furans	1.83911	0.174		2.93979		0.970	43						30-Jan-20	11:29:24		1903650-13...	PDI-092SC-B-06...	1.0	10.0	db5_1...	
44 1st Func. Penta-Furans	0.000000	0.0208		0.374366		0.958	44						30-Jan-20	11:29:24		1903650-13...	PDI-092SC-B-06...	1.0	10.0	db5_1...	
45 Total Penta-Furans	0.321498	0.117		0.772755		0.958	45						30-Jan-20	11:29:24		1903650-13...	PDI-092SC-B-06...	1.0	10.0	db5_1...	
46 Total Hexa-Furans	0.651522	0.152		1.26172		1.213	46						30-Jan-20	11:29:24		1903650-13...	PDI-092SC-B-06...	1.0	10.0	db5_1...	
47 Total Hepta-Furans	0.000000	0.137		2.27818		1.189	47						30-Jan-20	11:29:24		1903650-13...	PDI-092SC-B-06...	1.0	10.0	db5_1...	
48 PFK1							48									1903650-13...				1	
49 PFK2							49									1903650-13...				1	

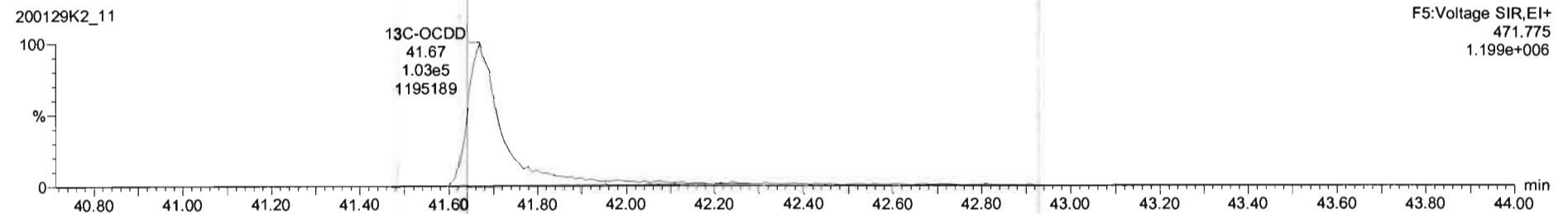
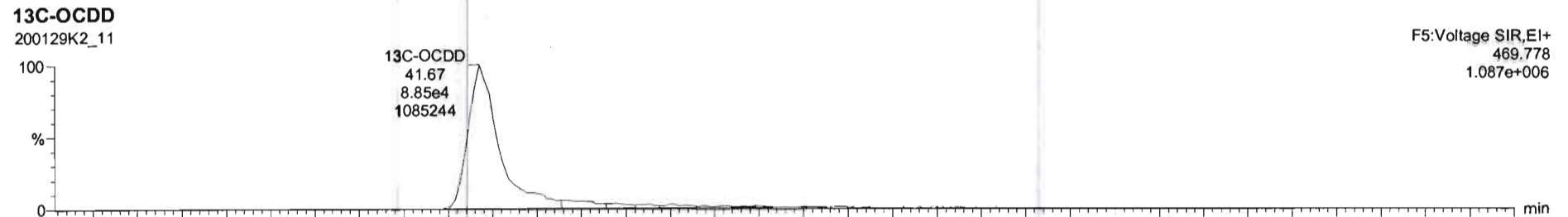
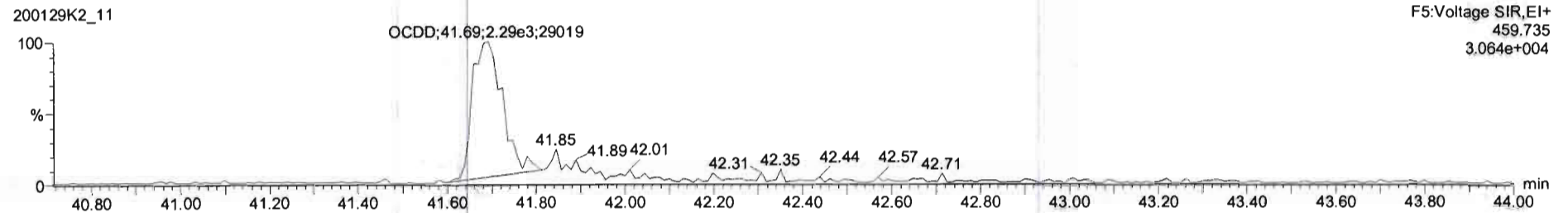
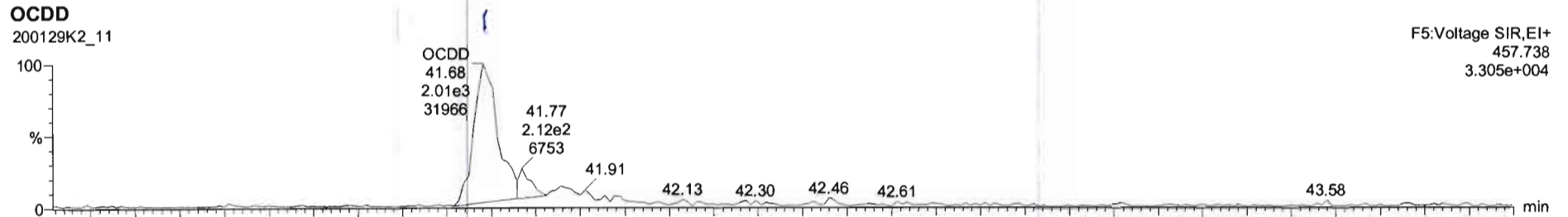
Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC
1 Total Hepta-Dioxins	37.42	1.399e4	1.135e4	8.759e2	7.841e2	1.12	NO	1.860e3	2.22	2.22
2 1,2,3,4,6,7,8-HpCDD	38.44	7.251e3	7.213e3	6.013e2	6.206e2	0.97	NO	1.222e3	1.63	1.63

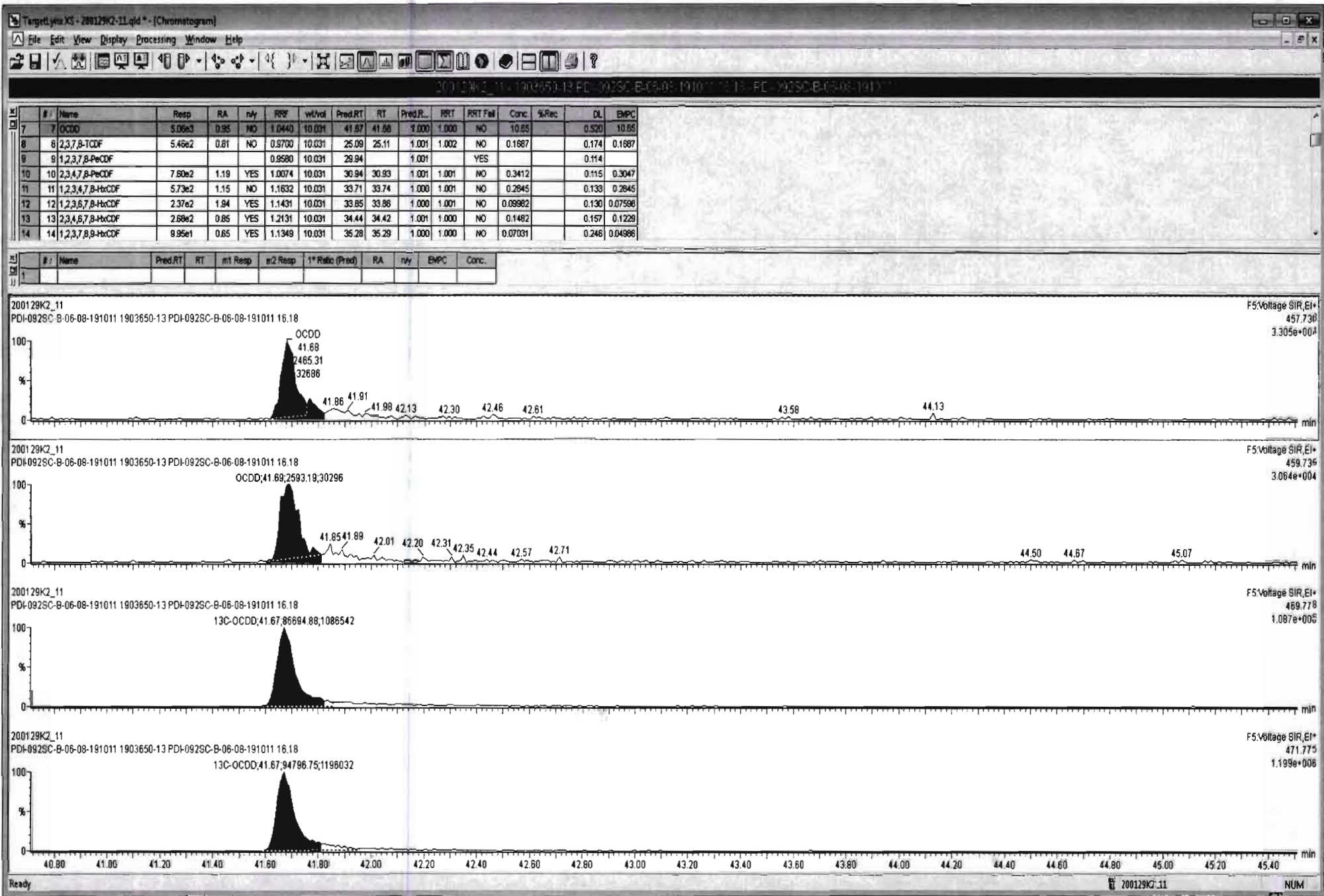


Dataset: U:\VG11.PRO\Results\200129K2\200129K2-11.qld

Last Altered: Thursday, January 30, 2020 12:27:35 Pacific Standard Time
Printed: Thursday, January 30, 2020 12:28:43 Pacific Standard Time

Name: 200129K2_11, Date: 30-Jan-2020, Time: 11:29:24, ID: 1903650-13 PDI-092SC-B-06-08-191011 16.18, Description: PDI-092SC-B-06-08-191011





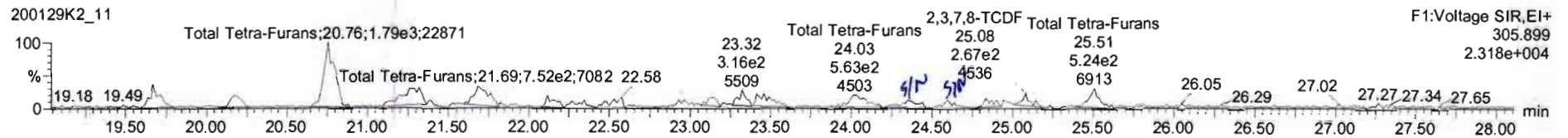
Dataset: U:\VG11.PRO\Results\200129K2\200129K2-11.qld

Last Altered: Thursday, January 30, 2020 12:27:35 Pacific Standard Time

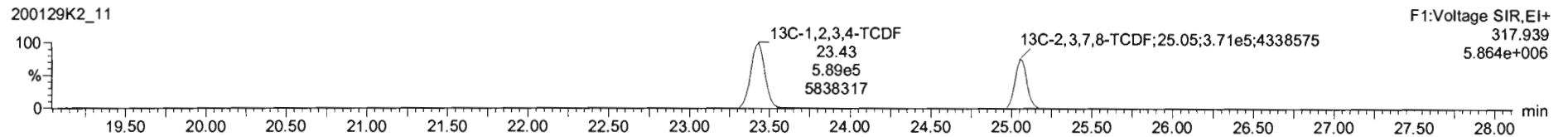
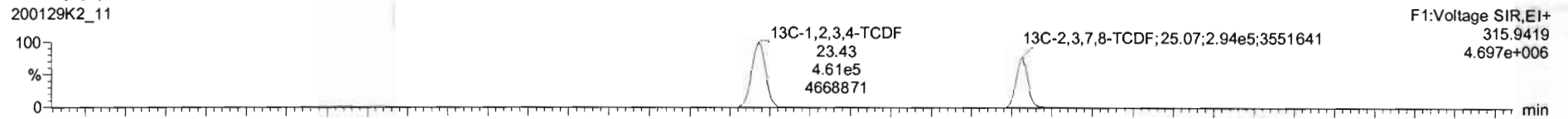
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Name: 200129K2_11, Date: 30-Jan-2020, Time: 11:29:24, ID: 1903650-13 PDI-092SC-B-06-08-191011 16.18, Description: PDI-092SC-B-06-08-191011

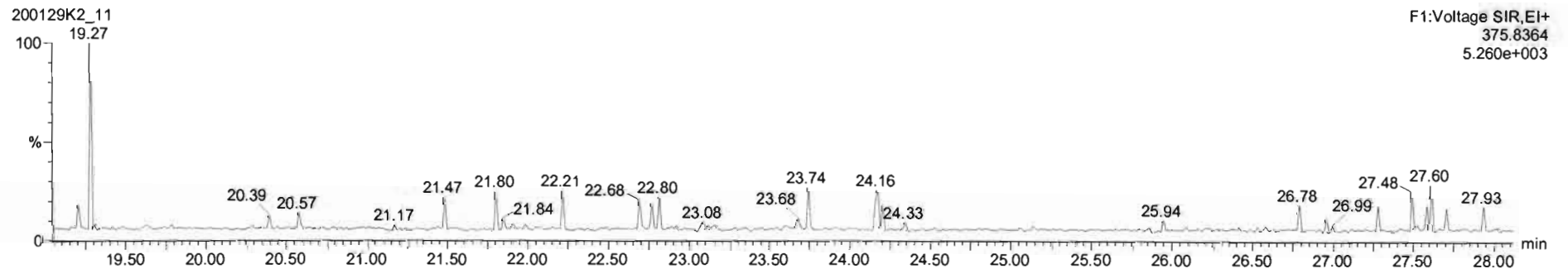
2,3,7,8-TCDF



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



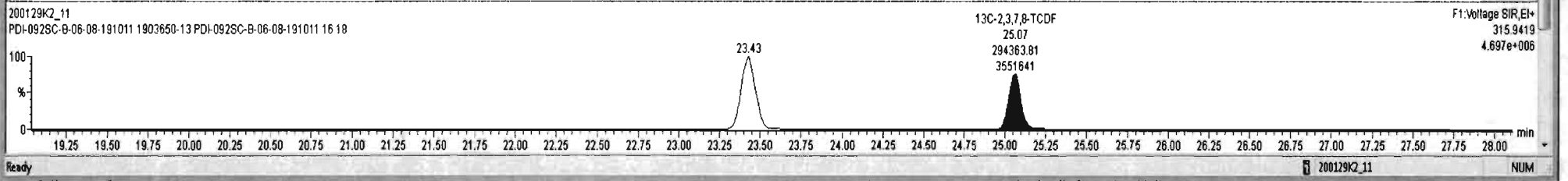
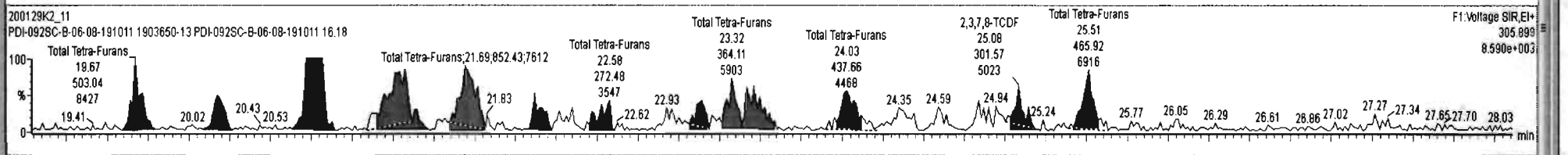
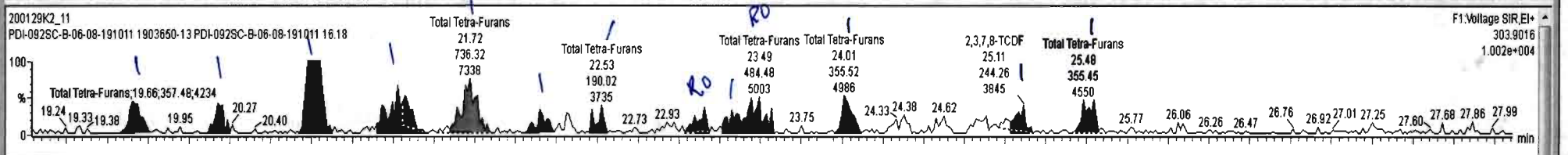
DPE1

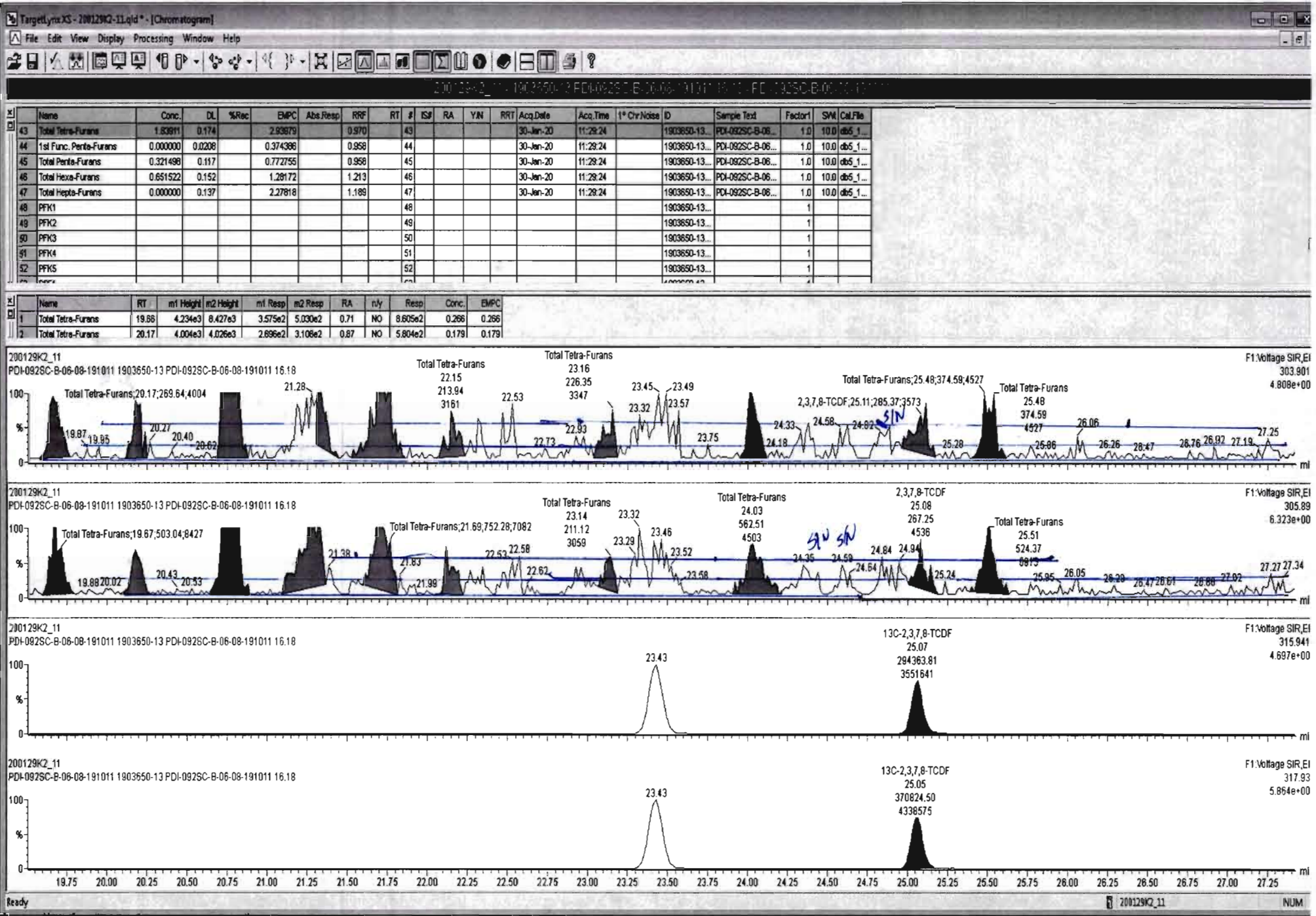


200129K2_11 - 1903650-13 PDI-0925C-B-06-08-191011 16.18 PDI-0925C-B-06-08-191011

Name	Conc.	DL	%Rec	EMPC	Abs.Resp	RRF	RT	#	IS#	RA	Y/N	PRT	Acq.Date	Acq.Time	1* Chr Noise	D	Sample Text	Factor1	S/N	Cal File	
43 Total Tetra-Furans	3.36336	0.174		4.03433		0.970	43						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...	
44 1st Func. Penta-Furans	0.000000	0.0208		0.374366		0.958	44						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...	
45 Total Penta-Furans	0.321498	0.117		0.772755		0.958	45						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...	
46 Total Hexa-Furans	0.651522	0.152		1.26172		1.213	46						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...	
47 Total Hepta-Furans	0.000000	0.137		2.27818		1.189	47						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...	
48 PFK1							48									1903650-13...					1
49 PFK2							49									1903650-13...					1
50 PFK3							50									1903650-13...					1
51 PFK4							51									1903650-13...					1
52 PFK5							52									1903650-13...					1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC
1 Total Tetra-Furans	19.66	4.234e3	8.427e3	3.575e2	5.030e2	0.71	NO	8.605e2	0.266	0.266
2 Total Tetra-Furans	20.17	4.004e3	4.026e3	2.696e2	3.108e2	0.87	NO	5.804e2	0.179	0.179
3 Total Tetra-Furans	20.78	1.579e4	2.287e4	1.350e3	1.787e3	0.76	NO	3.137e3	0.969	0.969
4 Total Tetra-Furans	21.28	6.583e3	6.900e3	7.943e2	1.048e3	0.76	NO	1.842e3	0.569	0.569
5 Total Tetra-Furans	21.72	7.338e3	7.612e3	7.363e2	8.524e2	0.86	NO	1.589e3	0.491	0.491
6 Total Tetra-Furans	22.15	3.161e3	4.295e3	2.139e2	2.810e2	0.82	NO	4.750e2	0.147	0.147
7 Total Tetra-Furans	22.53	3.735e3	3.547e3	1.900e2	2.725e2	0.70	NO	4.625e2	0.143	0.143
8 Total Tetra-Furans	23.16	3.403e3	3.362e3	2.320e2	2.563e2	0.91	YES	0.000e0	0.000	0.140
9 Total Tetra-Furans	23.32	3.024e3	5.903e3	2.714e2	3.641e2	0.75	NO	6.355e2	0.196	0.196
10 Total Tetra-Furans	23.49	5.003e3	4.841e3	4.845e2	4.858e2	1.00	YES	0.000e0	0.000	0.266
11 Total Tetra-Furans	24.01	4.966e3	4.468e3	3.555e2	4.377e2	0.81	NO	0.000e0	0.000	0.245
12 2,3,7,8-TCDF	25.11	3.845e3	5.023e3	2.443e2	3.016e2	0.81	NO	5.458e2	0.169	0.169





Dataset: U:\VG11.PRO\Results\200129K2\200129K2-11.qld

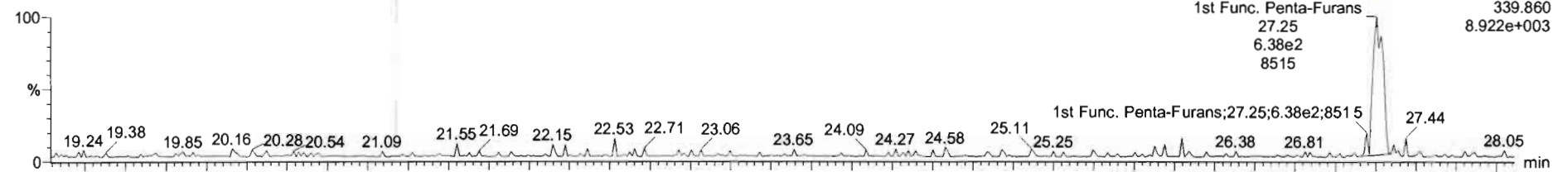
Last Altered: Thursday, January 30, 2020 12:27:35 Pacific Standard Time

Printed: Thursday, January 30, 2020 12:28:43 Pacific Standard Time

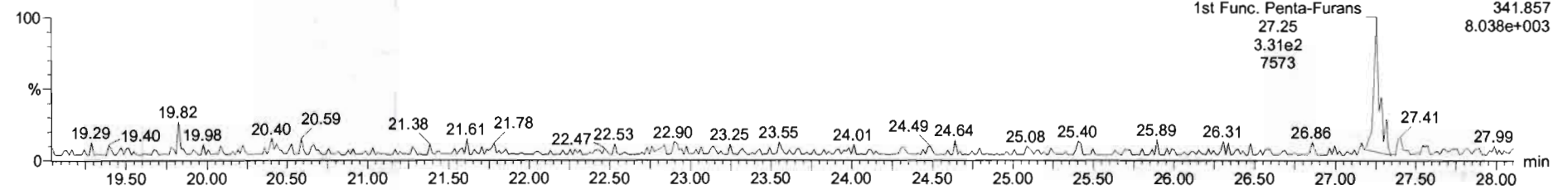
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1st Func. Penta-Furans

200129K2_11

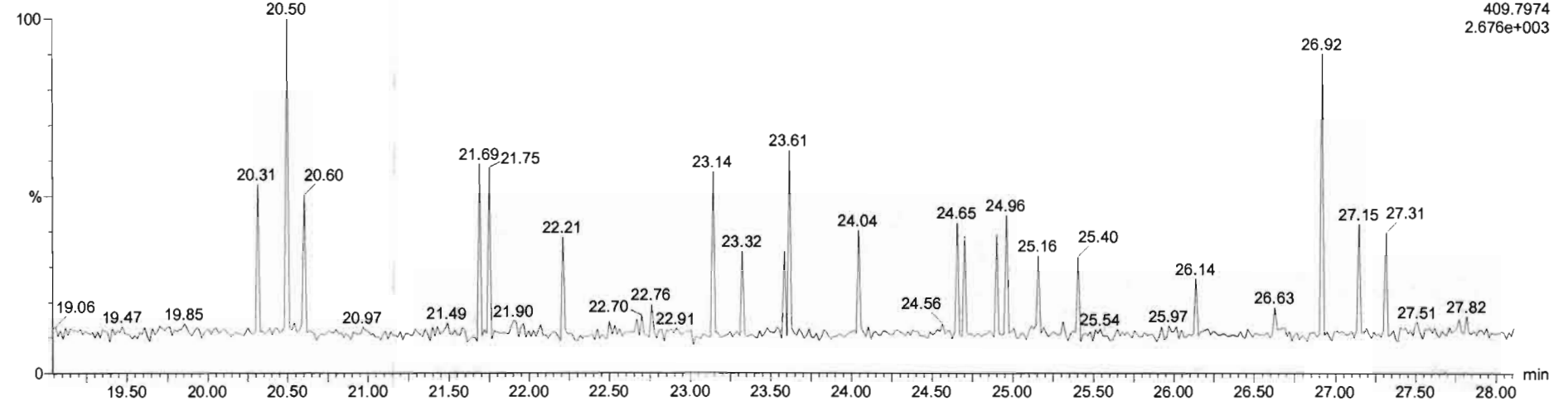


200129K2_11



DPE6

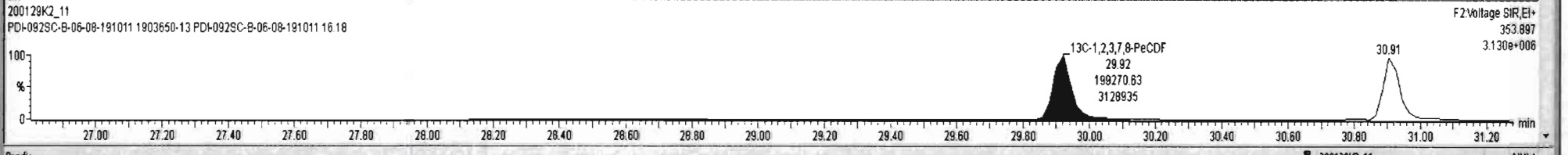
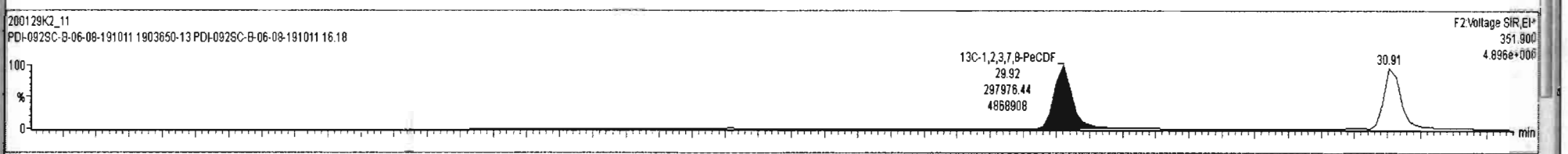
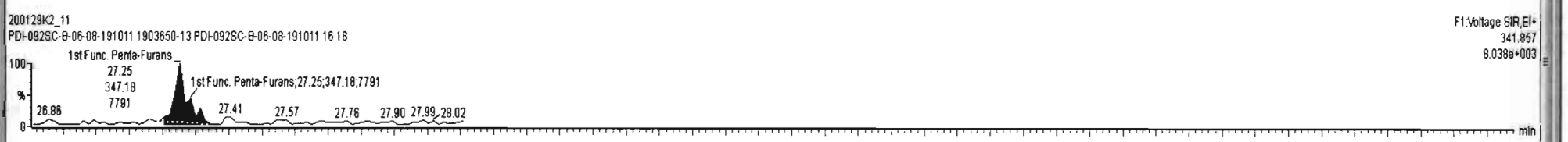
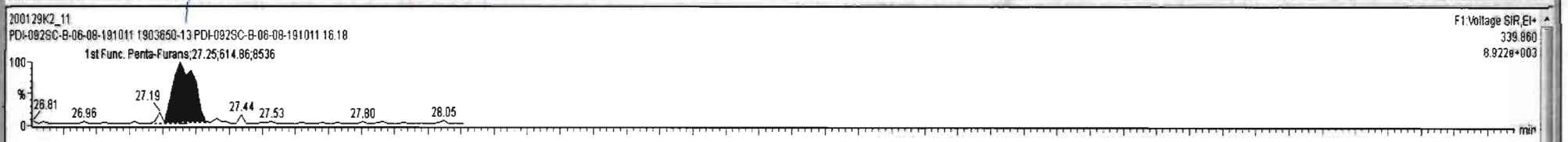
200129K2_11



200129K2_11 - 1903650-13 PDI-092SC-B-06-08-191011 16:18 - PDI-092SC-B-06-08-191011

Name	Conc.	DL	%Rec	EMPC	Abs Resp	RRF	RT	#	ISF	RA	Y/N	RRT	Acq Date	Acq Time	1* Chr.Noise	D	Sample Text	Factor1	SWI	Cal File	
43 Total Tetra-Furans	3.62845	0.174		4.03433	0.970		43						30-Jan-20	11:28:24		1903650-13...	PDI-092SC-B-06...	1.0	10.0	db5_1...	
44 1st Func. Penta-Furans	0.426818	0.0634		0.426818	0.958		44						30-Jan-20	11:28:24		1903650-13...	PDI-092SC-B-06...	1.0	10.0	db5_1...	
45 Total Penta-Furans	0.321498	0.117		0.772755	0.958		45						30-Jan-20	11:28:24		1903650-13...	PDI-092SC-B-06...	1.0	10.0	db5_1...	
46 Total Hexa-Furans	0.851522	0.152		1.26172	1.213		46						30-Jan-20	11:28:24		1903650-13...	PDI-092SC-B-06...	1.0	10.0	db5_1...	
47 Total Hepta-Furans	0.000000	0.137		2.27818	1.189		47						30-Jan-20	11:28:24		1903650-13...	PDI-092SC-B-06...	1.0	10.0	db5_1...	
48 PFK1							48									1903650-13...					
49 PFK2							49									1903650-13...					
50 PFK3							50									1903650-13...					
51 PFK4							51									1903650-13...					
52 PFK5							52									1903650-13...					

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC
1st Func. Penta-Furans	27.25	8.536e3	7.791e3	6.149e2	3.472e2	1.77	NO	9.620e2	0.427	0.427



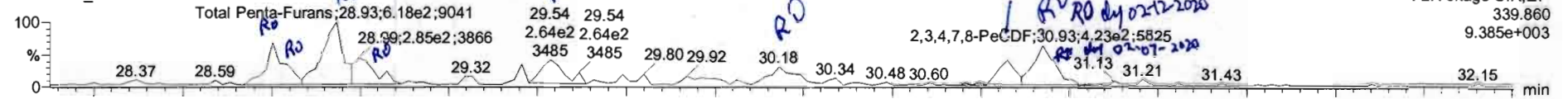
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Printed: Thursday, January 30, 2020 12:28:43 Pacific Standard Time

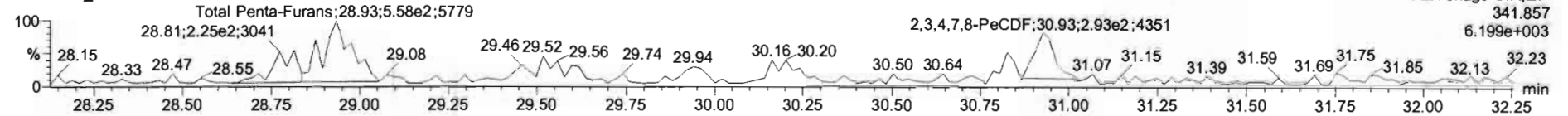
Name: 200129K2_11, Date: 30-Jan-2020, Time: 11:29:24, ID: 1903650-13 PDI-092SC-B-06-08-191011 16.18, Description: PDI-092SC-B-06-08-191011

1,2,3,7,8-PeCDF

200129K2_11

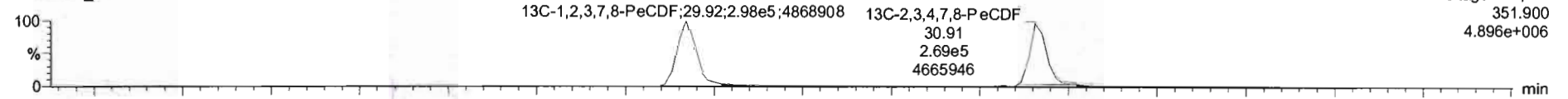


200129K2_11

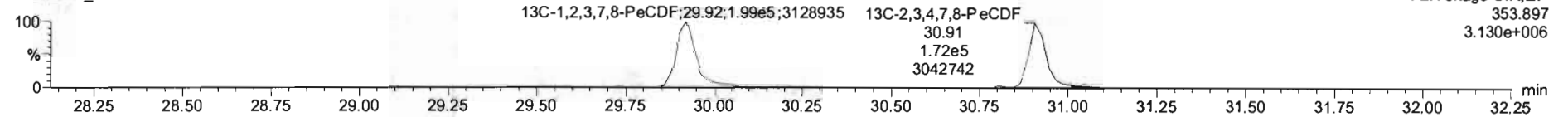


13C-1,2,3,7,8-PeCDF

200129K2_11

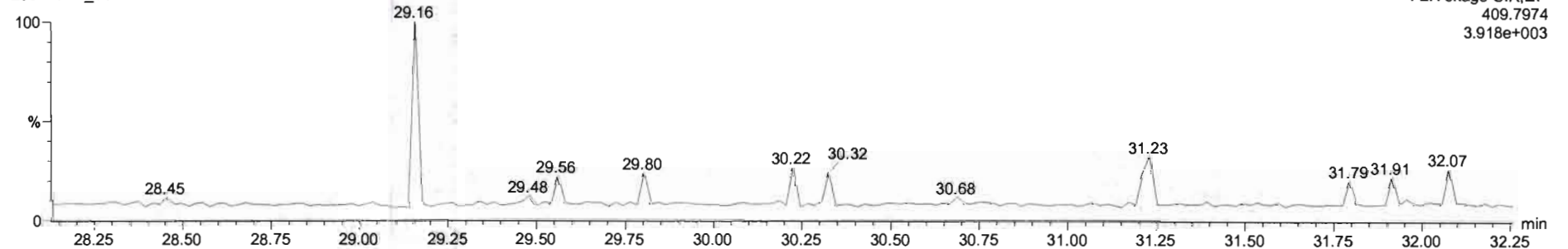


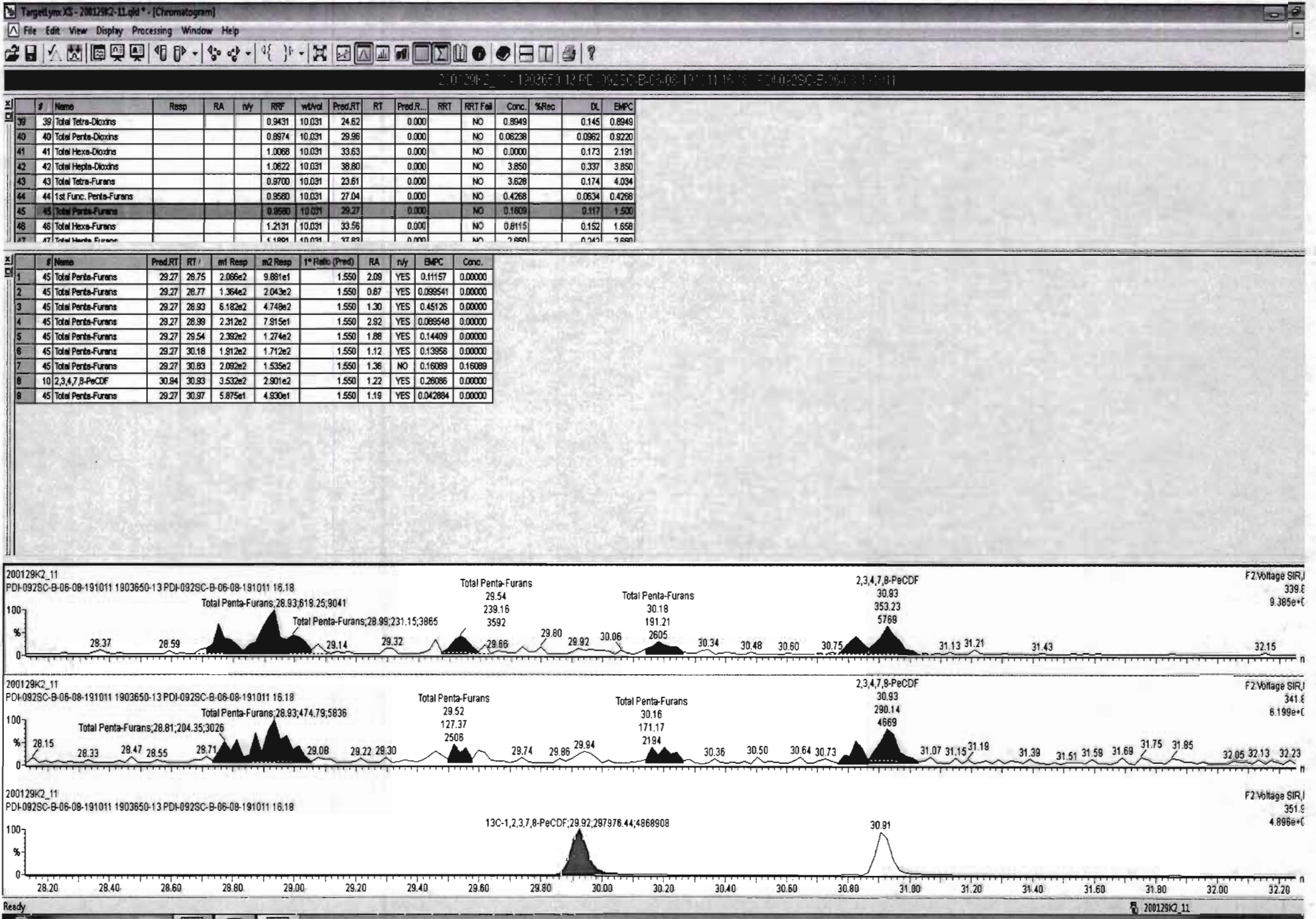
200129K2_11



DPE2

200129K2_11

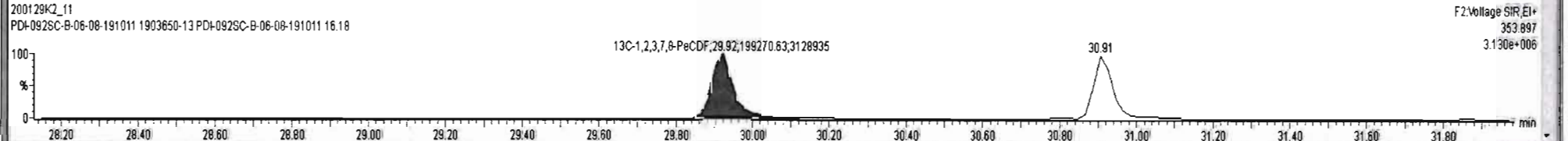
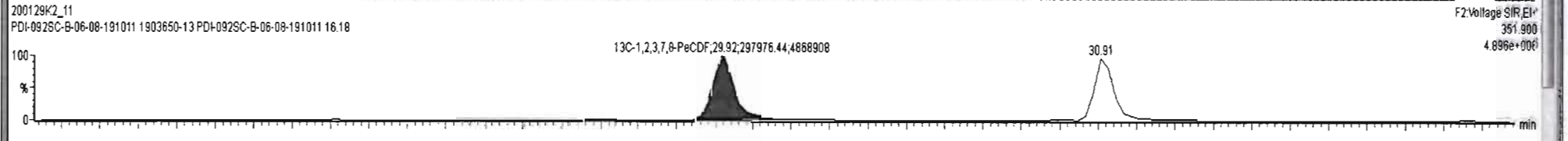
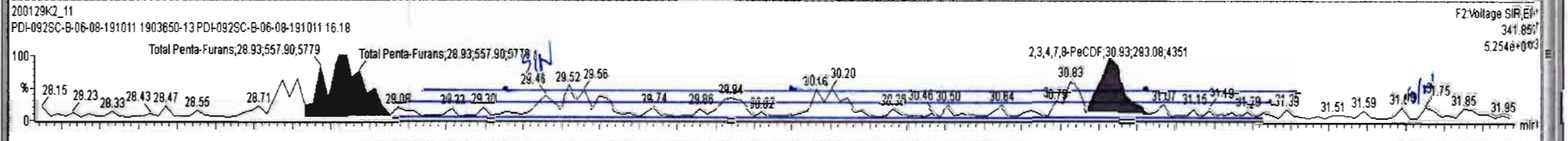
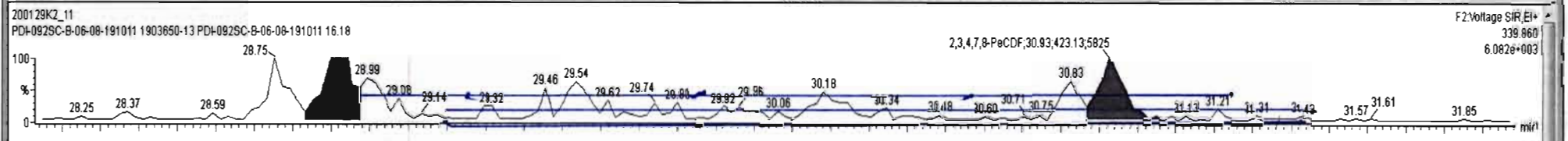




200129K2_11 - 1903650-13 PDI-0925C-B-06-08-191011 16.18 - PDI-0925C-B-06-08-191011

Name	Conc.	DL	%Rec	EMPC	Abs Resp	RRF	RT	#	IS#	RA	YN	RRT	Acq Date	Acq Time	1* Chr Noise	ID	Sample Test	Factor1	SIM	Cal File	
43 Total Tetra-Furans	3.62845	0.174		4.03433	0.970		43						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...	
44 1st Func. Penta-Furans	0.426818	0.0634		0.426818	0.958		44						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...	
45 Total Penta-Furans	0.521498	0.117		0.772755	0.958		45						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...	
46 Total Hexa-Furans	0.651522	0.152		1.26172	1.213		46						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...	
47 Total Hepta-Furans	0.000000	0.137		2.27818	1.189		47						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...	
48 PFK1							48									1903650-13...					
49 PFK2							49									1903650-13...					
50 PFK3							50									1903650-13...					
51 PFK4							51									1903650-13...					
52 PFK5							52									1903650-13...					

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	nY	Resp	Conc.	EMPC
1 Total Penta-Furans	28.93	9.041e3	5.779e3	6.182e2	5.579e2	1.11	YES	0.000e0	0.000	0.451
2 2,3,4,7,8-PeCDF	30.93	5.825e3	4.351e3	4.231e2	2.931e2	1.44	NO	7.162e2	0.321	0.321



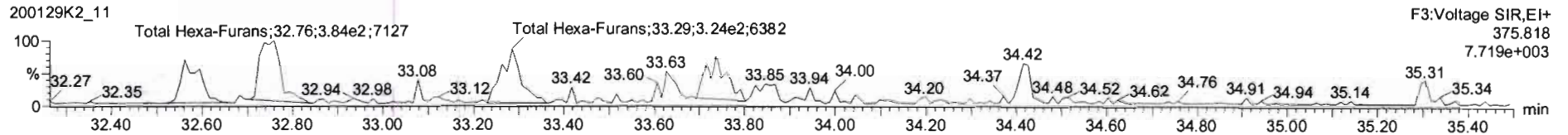
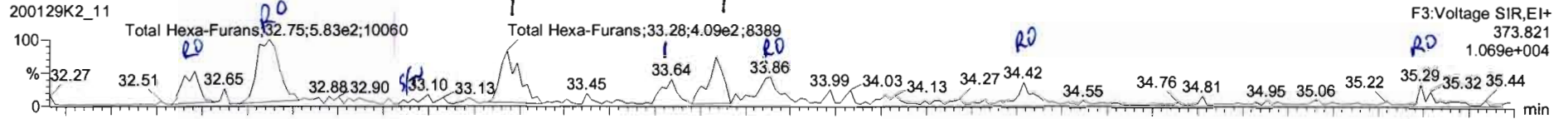
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Last Altered: Thursday, January 30, 2020 12:27:35 Pacific Standard Time

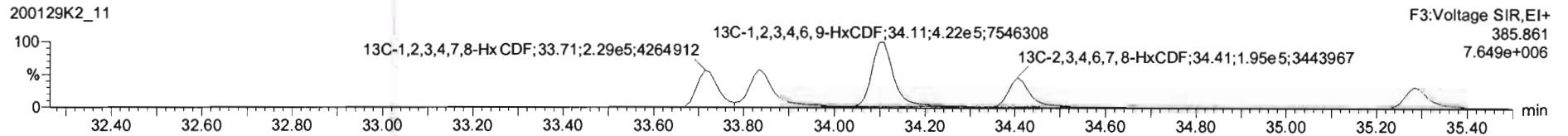
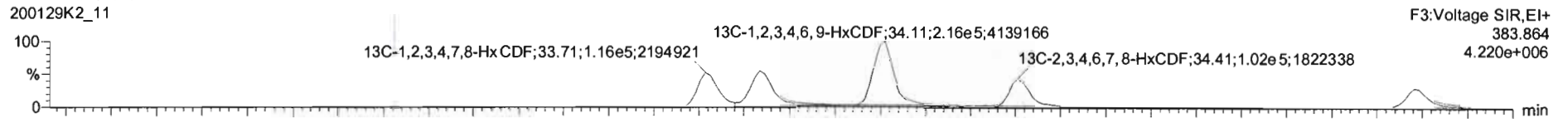
Printed: Thursday, January 30, 2020 12:28:43 Pacific Standard Time

Name: 200129K2_11, Date: 30-Jan-2020, Time: 11:29:24, ID: 1903650-13 PDI-092SC-B-06-08-191011 16.18, Description: PDI-092SC-B-06-08-191011

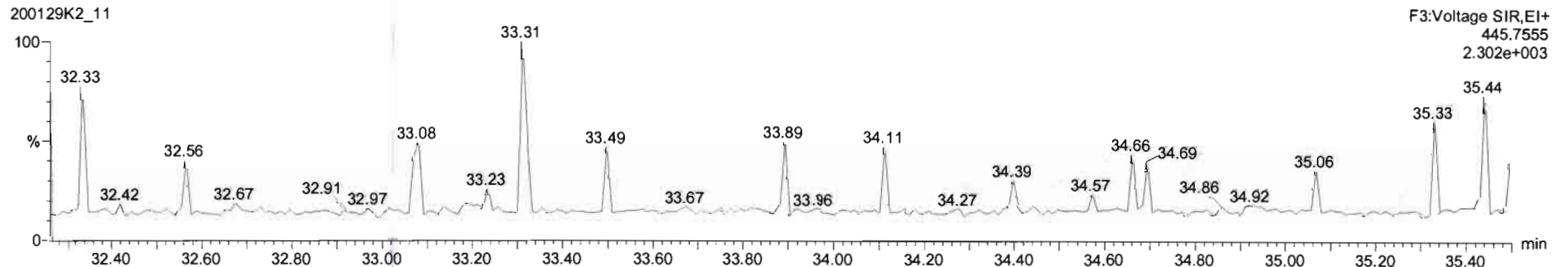
1,2,3,4,7,8-HxCDF

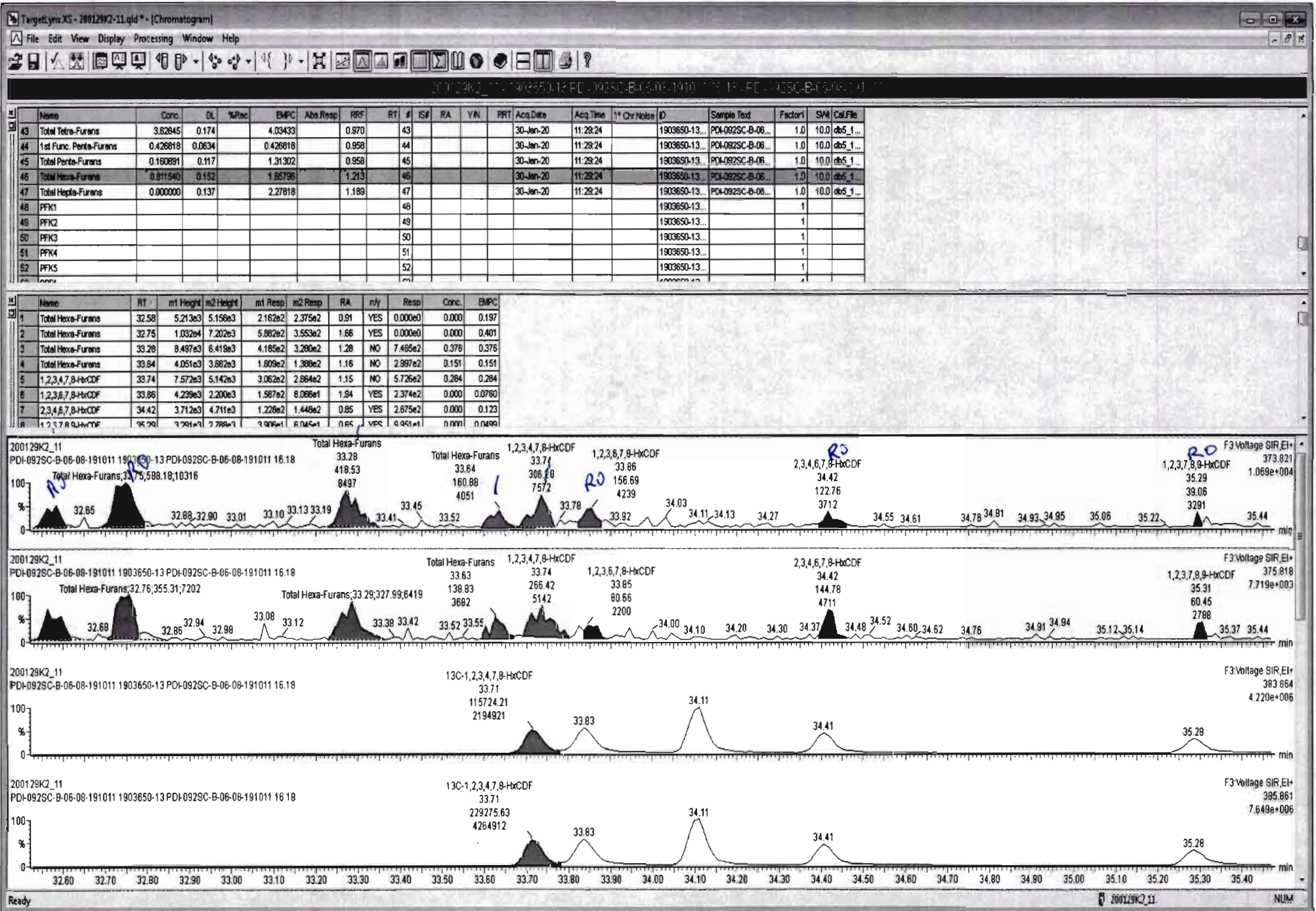


13C-1,2,3,4,7,8-HxCDF



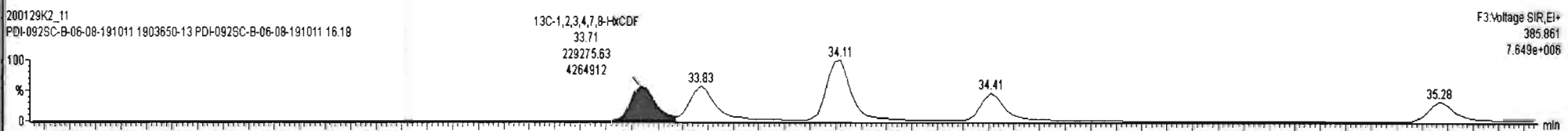
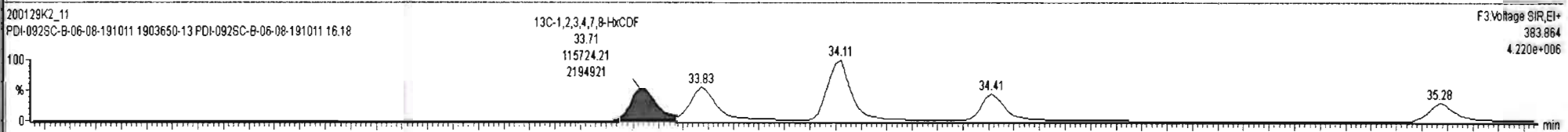
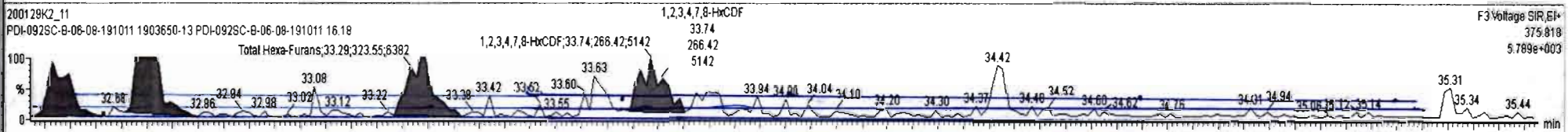
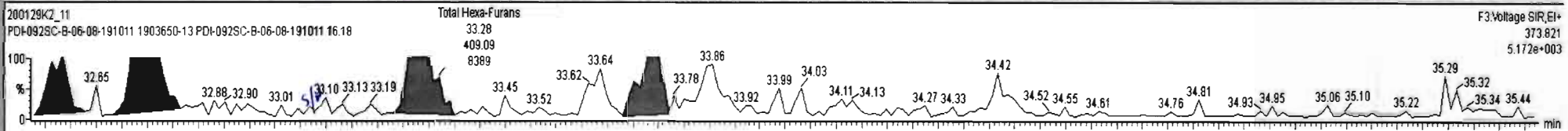
DPE3





Name	Conc.	DL	%Rec	EMPC	Abs Resp	RF	RT	#	IS#	RA	Y/N	RRT	Acq.Date	Acq.Time	I* Chr.Noise	ID	Sample Text	Factor1	SM	Cal File	
43 Total Tetra-Furans	3.62845	0.174		4.03433		0.970	43						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...	
44 1st Func. Penta-Furans	0.426818	0.0634		0.426818		0.958	44						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...	
45 Total Penta-Furans	0.160891	0.117		1.31302		0.958	45						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...	
46 Total Hexa-Furans	0.851522	0.152		1.29172		1.213	46						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...	
47 Total Hepta-Furans	0.000000	0.137		2.27818		1.189	47						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	db5_1...	
48 PFK1							48									1903650-13...				1	
49 PFK2							49									1903650-13...				1	
50 PFK3							50									1903650-13...				1	
51 PFK4							51									1903650-13...				1	
52 PFK5							52									1903650-13...				1	

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC
1 Total Hexa-Furans	32.58	5.089e3	5.115e3	2.167e2	2.445e2	0.89	YES	0.000e0	0.000	0.197
2 Total Hexa-Furans	32.75	1.006e4	7.127e3	5.833e2	3.837e2	1.52	YES	0.000e0	0.000	0.433
3 Total Hexa-Furans	33.28	8.389e3	6.382e3	4.091e2	3.236e2	1.26	NO	7.326e2	0.389	0.369
4 1,2,3,4,7,8-HxCDF	33.74	7.525e3	5.142e3	3.021e2	2.684e2	1.13	NO	5.685e2	0.282	0.282

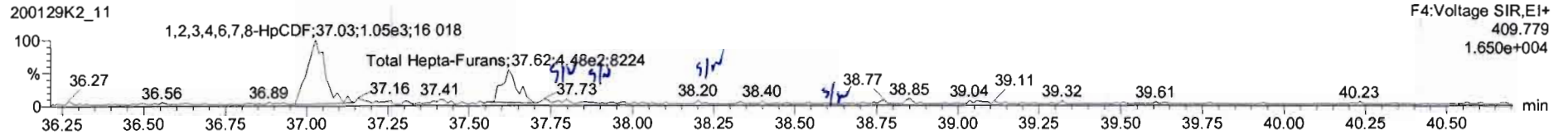
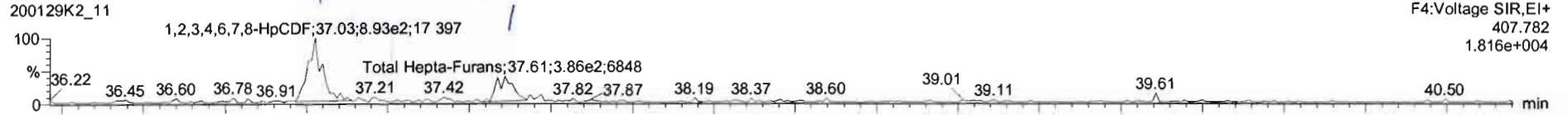


Dataset: U:\VG11.PRO\Results\200129K2\200129K2-11.qld

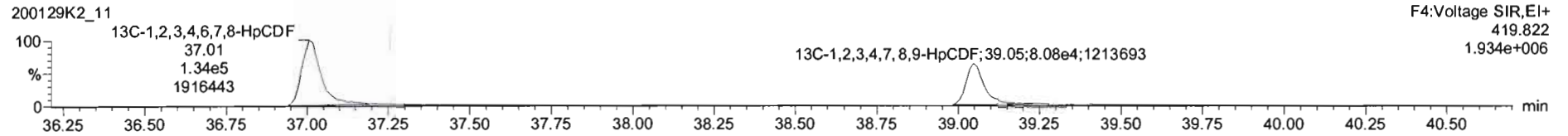
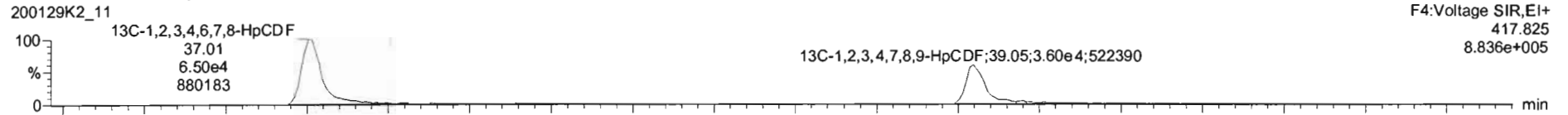
Last Altered: Thursday, January 30, 2020 12:27:35 Pacific Standard Time
Printed: Thursday, January 30, 2020 12:28:43 Pacific Standard Time

Name: 200129K2_11, Date: 30-Jan-2020, Time: 11:29:24, ID: 1903650-13 PDI-092SC-B-06-08-191011 16.18, Description: PDI-092SC-B-06-08-191011

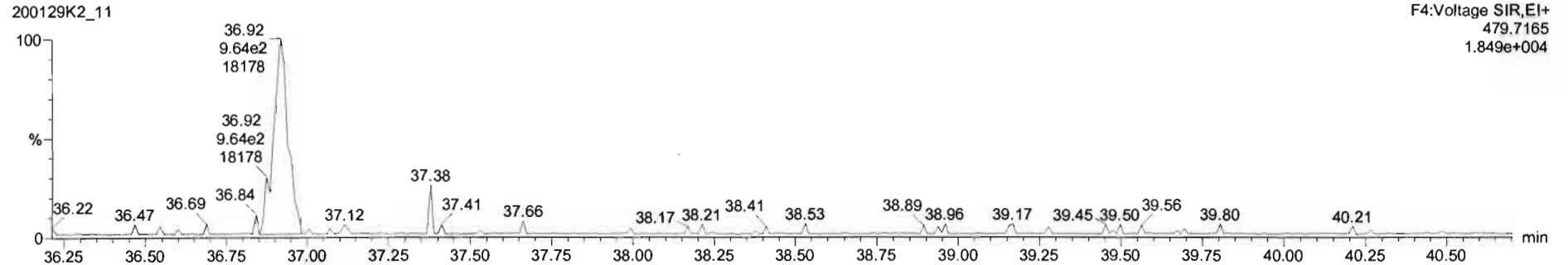
1,2,3,4,6,7,8-HpCDF

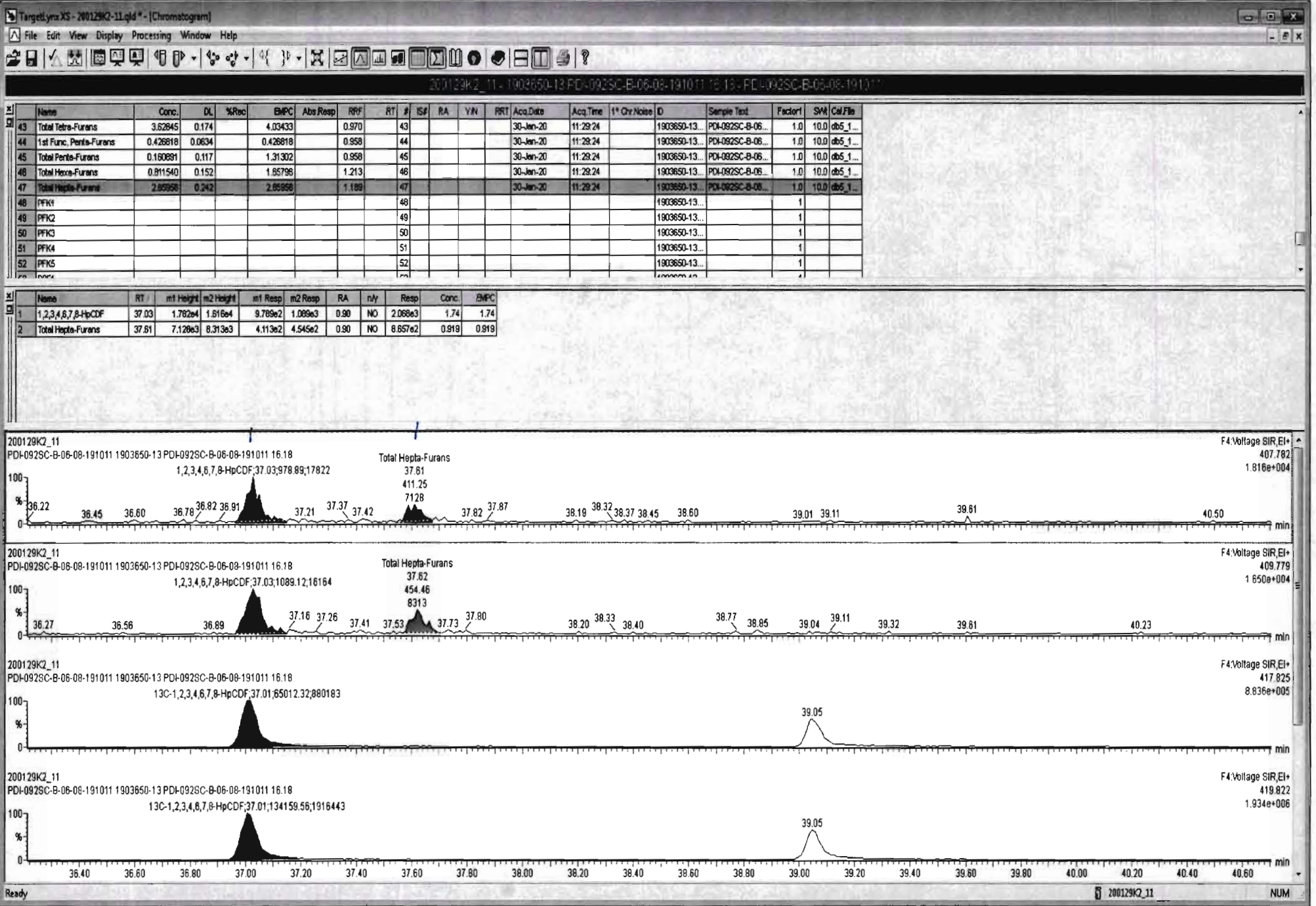


13C-1,2,3,4,6,7,8-HpCDF



DPE4

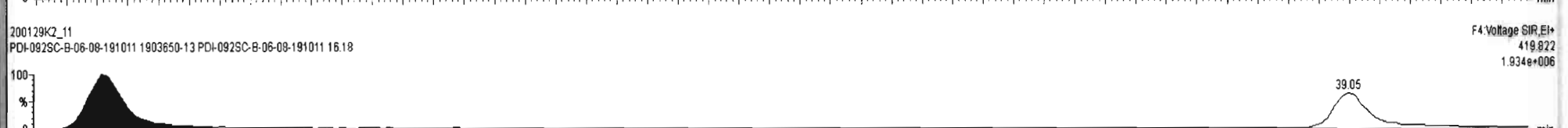
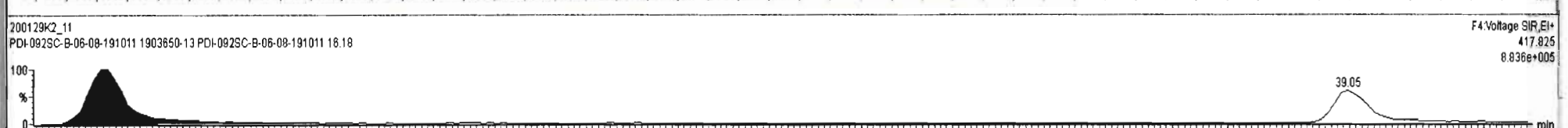
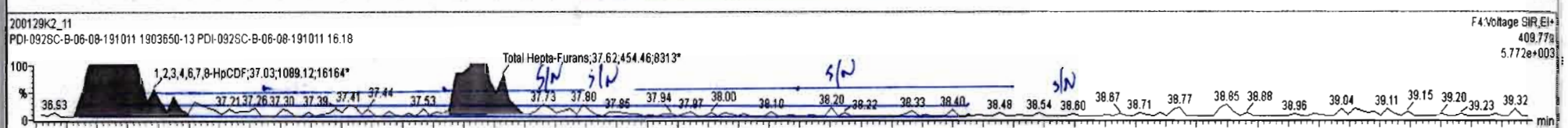
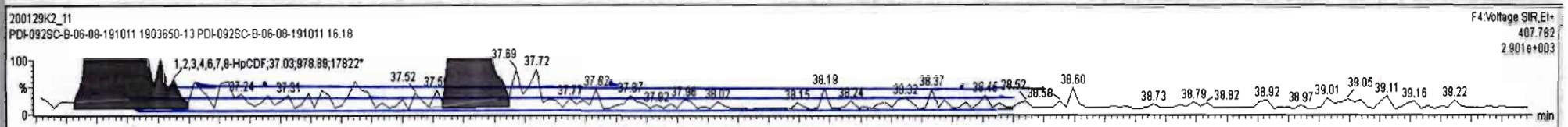




200129K2_11 1903650-13 PDI-0925C-B-06-08-191011 16.18 PDI-0925C-B-06-08-191011

Name	Conc.	DL	%Rec	EMPC	Abs Resp	RRF	RT	#	IS#	RA	Y/N	RRT	Acq.Date	Acq.Time	1* Chr/Noise	ID	Sample Text	Factor1	SWt	Cal File	
43	Total Tetra-Furans	3.62845	0.174	4.03433		0.970	43						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	obs_1...	
44	1st Func. Penta-Furans	0.426918	0.0634	0.426918		0.958	44						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	obs_1...	
45	Total Penta-Furans	0.160891	0.117	1.31302		0.958	45						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	obs_1...	
46	Total Hexa-Furans	0.811540	0.152	1.85796		1.213	46						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	obs_1...	
47	Total Hepta-Furans	0.000000	0.137	2.27818		1.189	47						30-Jan-20	11:29:24		1903650-13...	PDI-0925C-B-06...	1.0	10.0	obs_1...	
48	PFK1						48									1903650-13...					1
49	PFK2						49									1903650-13...					1
50	PFK3						50									1903650-13...					1
51	PFK4						51									1903650-13...					1
52	PFK5						52									1903650-13...					1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	
1	1,2,3,4,6,7,8-HpCDF	37.03	1.740e4	1.602e4	8.926e2	1.052e3	0.85	YES	1.945e3	0.000	1.47
2	Total Hepta-Furans	37.61	6.848e3	6.224e3	3.864e2	4.479e2	0.86	YES	0.000e0	0.000	0.804

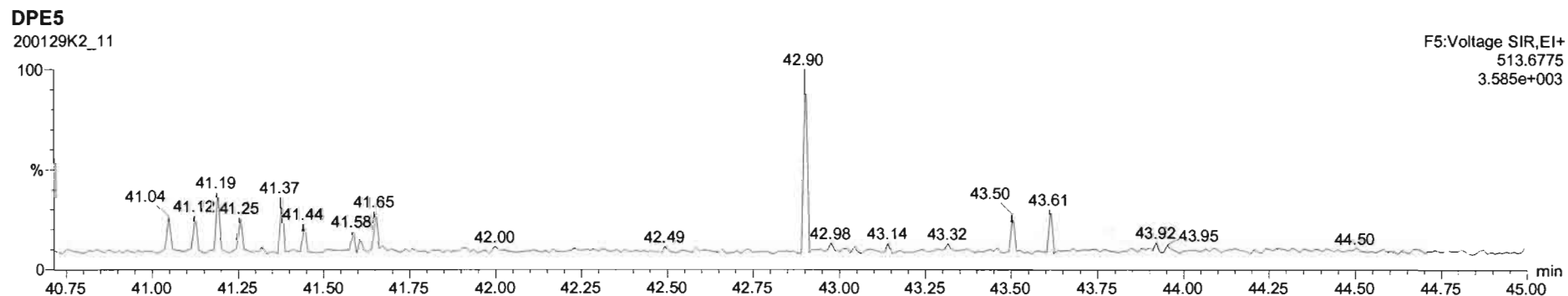
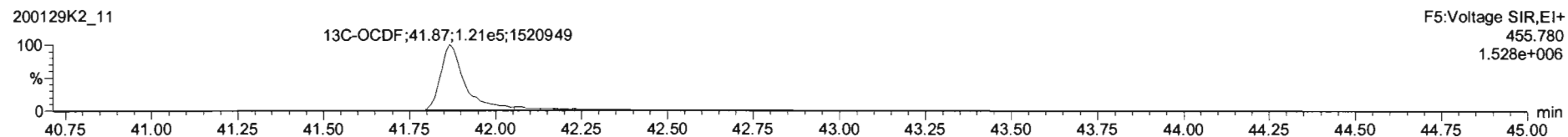
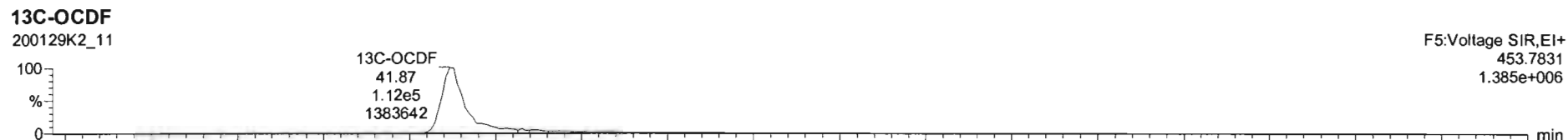
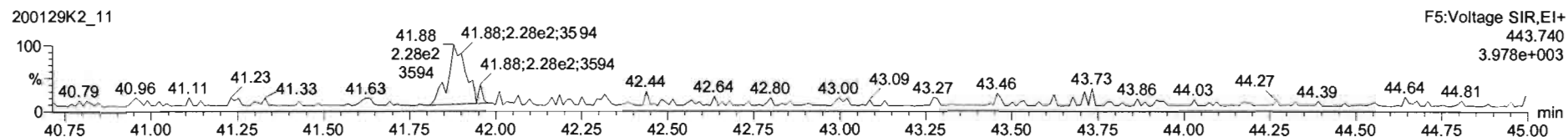
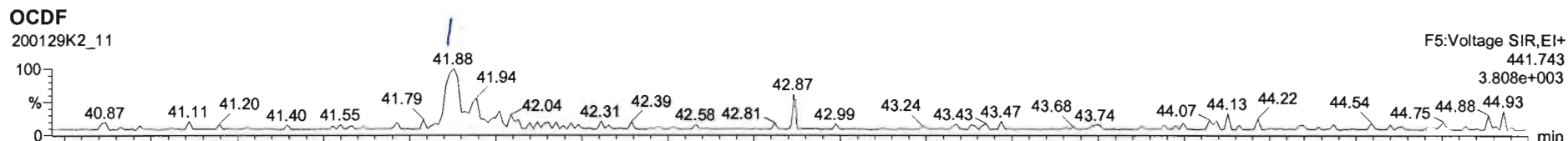


Dataset: U:\VG11.PRO\Results\200129K2\200129K2-11.qld

Last Altered: Thursday, January 30, 2020 12:27:35 Pacific Standard Time

Printed: Thursday, January 30, 2020 12:28:43 Pacific Standard Time

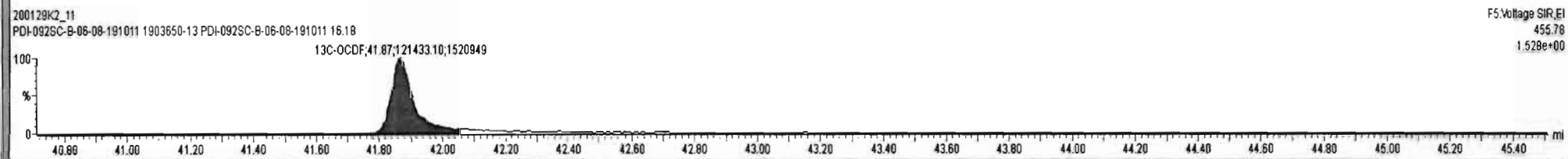
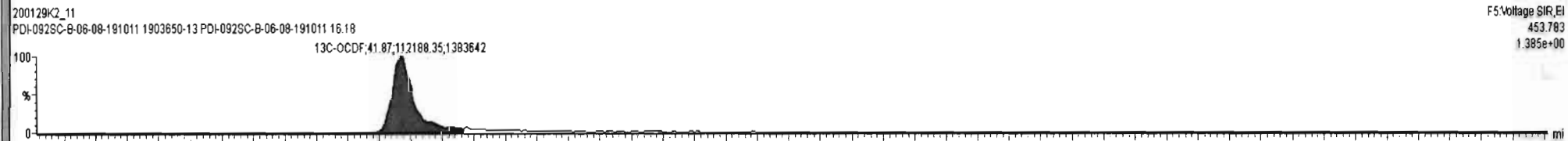
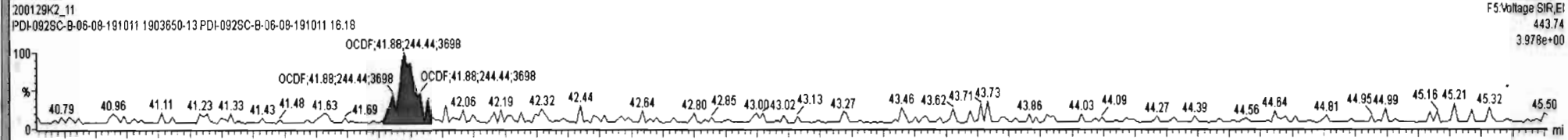
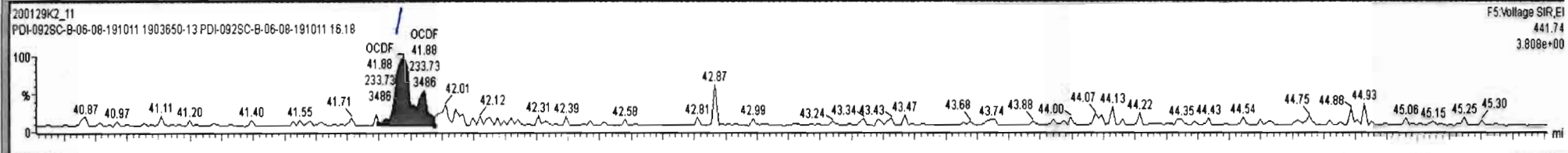
Name: 200129K2_11, Date: 30-Jan-2020, Time: 11:29:24, ID: 1903650-13 PDI-092SC-B-06-08-191011 16.18, Description: PDI-092SC-B-06-08-191011



200129K2_11-1903650-13 PDI-0925C-B-06-08-191011 16.18-PC-1225C-B-06-08-191011

Name	Conc.	DL	%Rec	EMPC	Abs Resp	RRF	RT	#	ISF	RA	Y/N	RRT	Acq Date	Acq Time	1° Chr/Noise ID	Sample Text	Factor1	SN	Cal File
OCDF	0.768984	0.260		0.768984	4.762e2	1.081	41.88	17	34	0.956	NO	1.000	30-Jan-20	11:29:24	459.665 1903650-13...	PDI-0925C-B-06...	1.0	10.0	obs_1...
13C-2,3,7,8-TCDD	134.348	0.411	67.382		4.512e5	1.173	26.05	18	36	0.761	NO	1.027	30-Jan-20	11:29:24	3661.526 1903650-13...	PDI-0925C-B-06...	1.0	10.0	obs_1...
13C-1,2,3,7,8-PeCDD	131.776	0.384	66.092		2.916e5	0.773	31.23	19	36	0.669	NO	1.232	30-Jan-20	11:29:24	1886.365 1903650-13...	PDI-0925C-B-06...	1.0	10.0	obs_1...
13C-1,2,3,4,7,8-HxCDD	92.8594	0.582	46.473		1.777e5	0.600	34.58	20	38	1.270	NO	1.014	30-Jan-20	11:29:24	4388.536 1903650-13...	PDI-0925C-B-06...	1.0	10.0	obs_1...
13C-1,2,3,6,7,8-HxCDD	102.423	0.466	51.370		2.499e5	0.763	34.68	21	38	1.142	NO	1.017	30-Jan-20	11:29:24	4388.536 1903650-13...	PDI-0925C-B-06...	1.0	10.0	obs_1...
13C-1,2,3,7,8-HxCDD	94.3061	0.526	47.300		2.036e5	0.676	34.94	22	38	1.090	NO	1.024	30-Jan-20	11:29:24	4388.536 1903650-13...	PDI-0925C-B-06...	1.0	10.0	obs_1...
13C-1,2,3,4,6,7,8-HpCDD	96.5079	0.730	46.454		1.405e5	0.455	38.43	23	38	1.053	NO	1.127	30-Jan-20	11:29:24	4018.899 1903650-13...	PDI-0925C-B-06...	1.0	10.0	obs_1...
13C-OCDD	178.188	1.28	44.685		2.115e5	0.371	41.67	24	38	0.918	NO	1.222	30-Jan-20	11:29:24	7236.433 1903650-13...	PDI-0925C-B-06...	1.0	10.0	obs_1...
13C-2,3,7,8-TCDF	118.054	0.338	59.210		6.652e5	1.068	25.07	25	37	0.794	NO	0.989	30-Jan-20	11:29:24	3313.807 1903650-13...	PDI-0925C-B-06...	1.0	10.0	obs_1...
13C-1,2,3,7,8-PeCDF	123.351	0.725	61.866		4.972e5	0.765	29.92	26	37	1.495	NO	1.180	30-Jan-20	11:29:24	5427.207 1903650-13...	PDI-0925C-B-06...	1.0	10.0	obs_1...

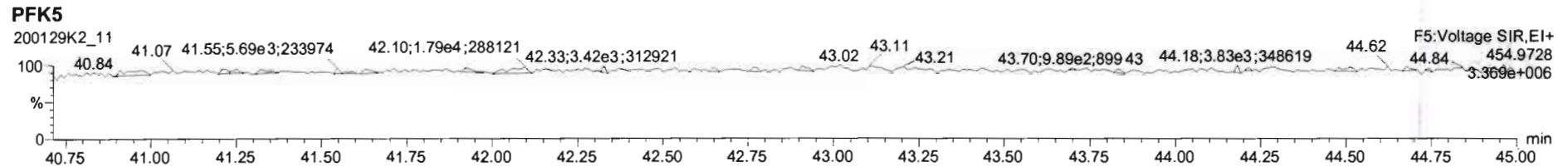
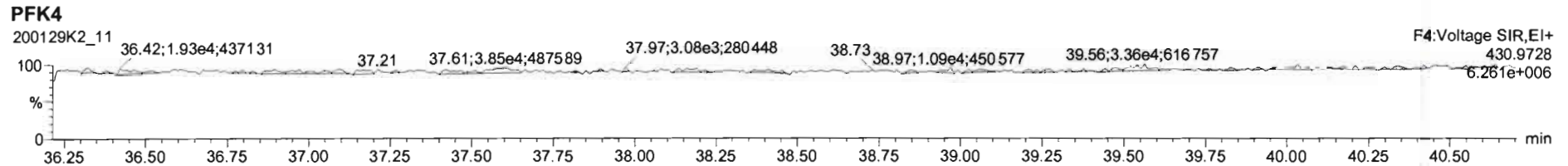
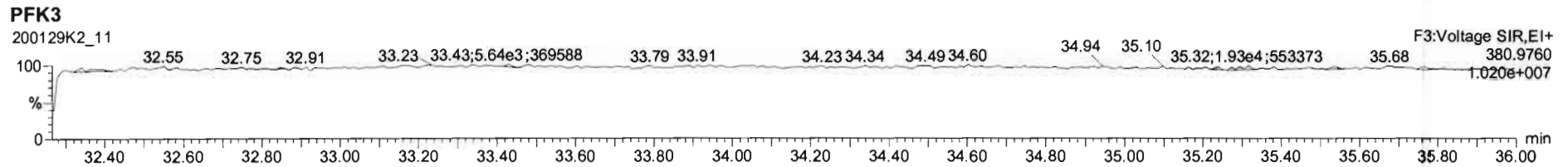
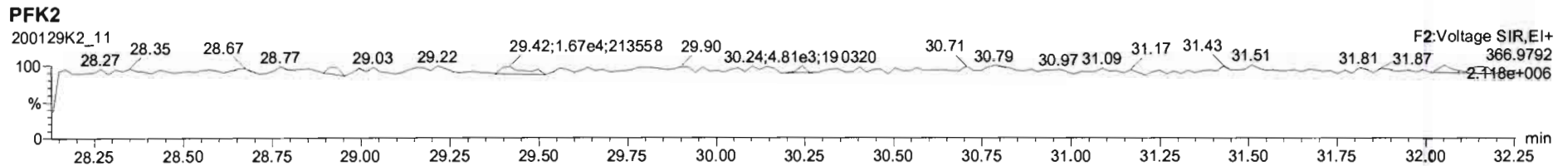
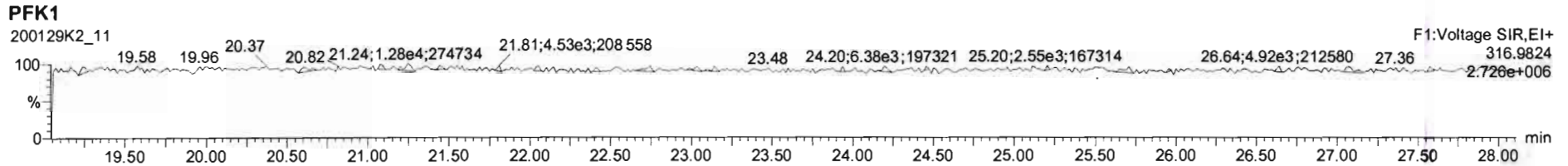
Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC



Dataset: U:\VG11.PRO\Results\200129K2\200129K2-11.qld

Last Altered: Thursday, January 30, 2020 12:27:35 Pacific Standard Time
Printed: Thursday, January 30, 2020 12:28:43 Pacific Standard Time

Name: 200129K2_11, Date: 30-Jan-2020, Time: 11:29:24, ID: 1903650-13 PDI-092SC-B-06-08-191011 16.18, Description: PDI-092SC-B-06-08-191011



CONFIRMATION

Dataset: U:\VG11.PRO\Results\200130K1\200130K1-25.qld

Last Altered: Friday, January 31, 2020 07:54:54 Pacific Standard Time

Printed: Friday, January 31, 2020 07:55:29 Pacific Standard Time

HZ 1.31.2020

CT 02/11/2020

Method: U:\VG11.PRO\MethDB\tcdf.mdb 31 Jan 2020 07:42:36

Calibration: U:\VG11.PRO\CurveDB\db225_1613TCDFvg11-1-30-20.cdb 31 Jan 2020 07:22:32

Name: 200130K1_25, Date: 31-Jan-2020, Time: 06:11:05, ID: 1903650-01RE1 PDI-066SC-B-00-02-191011 20.04@5X, Description: PDI-066SC-B-00-02-191011

#	Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	2,3,7,8-TCDF	2.07e5	0.78	NO	1.00	10.020	✓16.38	174.62		1.07
2	13C-2,3,7,8-TCDF	2.36e5	0.76	NO	1.07	10.020	16.35	84.775	42.5	0.924
3	13C-1,2,3,4-TCDF	5.19e5	0.79	NO	1.00	10.020	14.46	199.60	100	0.989
4	13C-1,2,3,4-TCDD	3.60e5	0.80	NO		10.020	15.11			

Dataset: Untitled

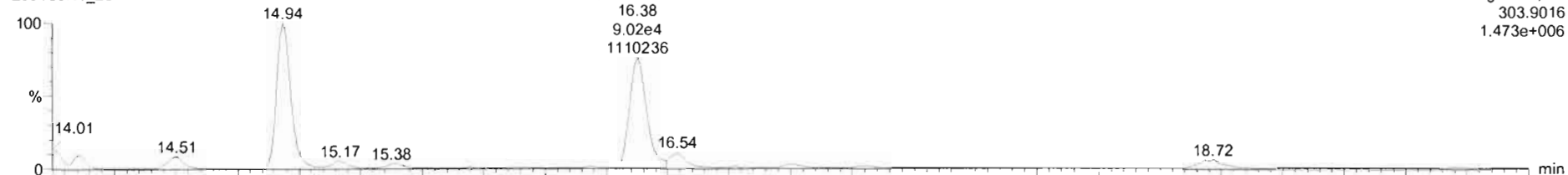
Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time

Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

Name: 200130K1_25, Date: 31-Jan-2020, Time: 06:11:05, ID: 1903650-01RE1 PDI-066SC-B-00-02-191011 20.04@5X, Description: PDI-066SC-B-00-02-191011

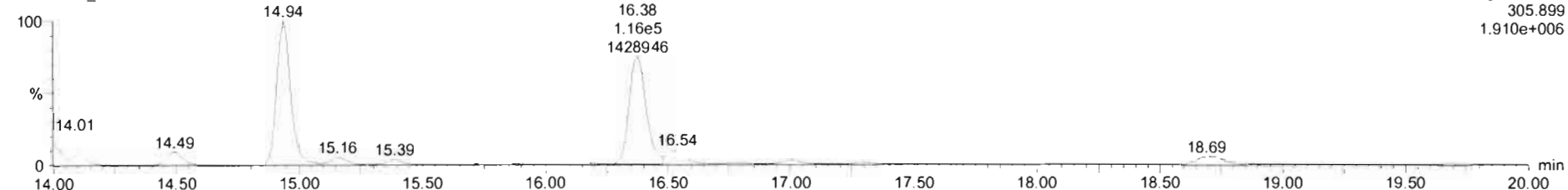
2,3,7,8-TCDF

200130K1_25



Voltage SIR,EI+
303.9016
1.473e+006

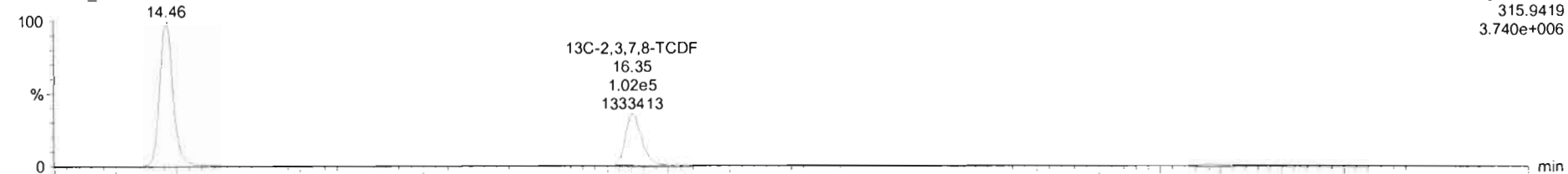
200130K1_25



Voltage SIR,EI+
305.899
1.910e+006

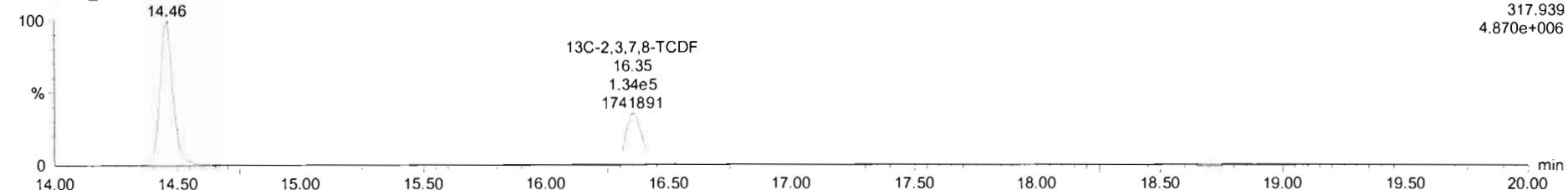
13C-2,3,7,8-TCDF

200130K1_25



Voltage SIR,EI+
315.9419
3.740e+006

200130K1_25



Voltage SIR,EI+
317.939
4.870e+006

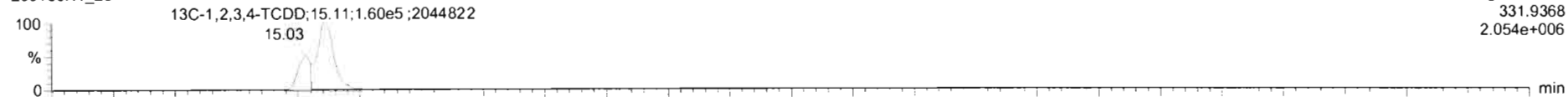
Dataset: Untitled

Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

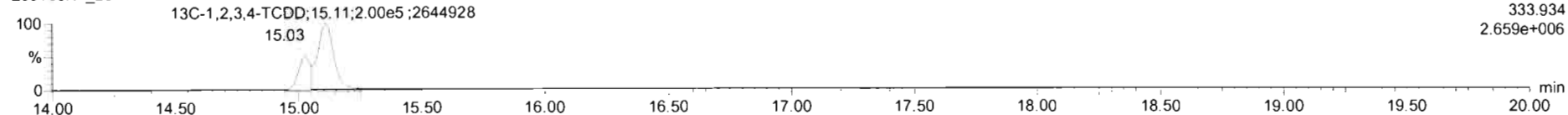
Name: 200130K1_25, Date: 31-Jan-2020, Time: 06:11:05, ID: 1903650-01RE1 PDI-066SC-B-00-02-191011 20.04@5X, Description: PDI-066SC-B-00-02-191011

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

200130K1_25

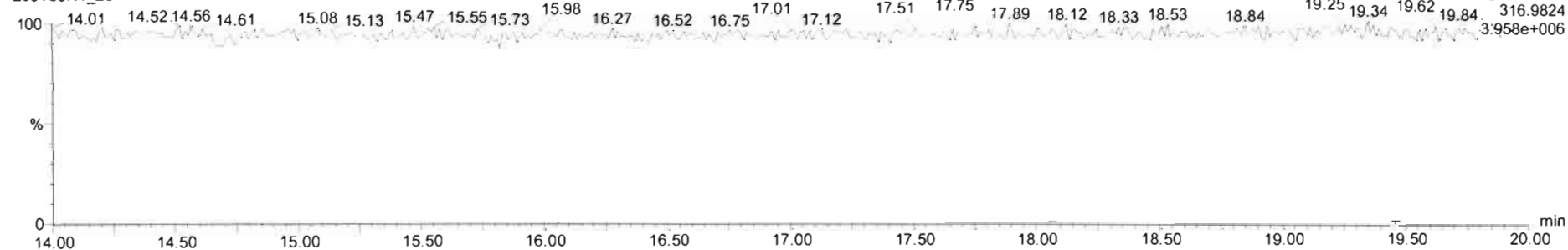


200130K1_25



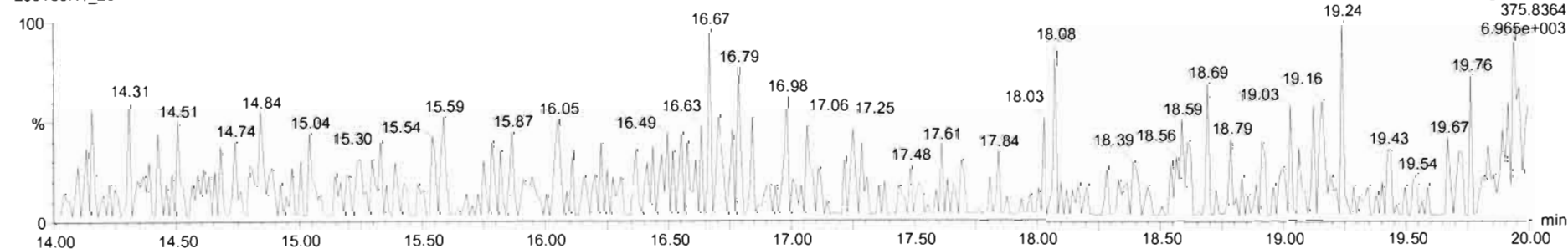
PFK1

200130K1_25



DPE1

200130K1_25



Dataset: U:\VG11.PRO\Results\200130K1\200130K1-24.qld

Last Altered: Friday, January 31, 2020 07:54:19 Pacific Standard Time

Printed: Friday, January 31, 2020 07:54:48 Pacific Standard Time

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C7 02/06/2020

Method: U:\VG11.PRO\MethDB\tcdf.mdb 31 Jan 2020 07:42:36

Calibration: U:\VG11.PRO\CurveDB\db225_1613TCDFvg11-1-30-20.cdb 31 Jan 2020 07:22:32

Name: 200130K1_24, Date: 31-Jan-2020, Time: 05:38:22, ID: 1903650-02RE1 PDI-066SC-B-02-04-191011 18.62@5X, Description: PDI-066SC-B-02-04-191011

#	Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	5.49e4	0.75	NO	1.00	10.040	16.37	64.276		1.40
2	2 13C-2,3,7,8-TCDF	1.70e5	0.76	NO	1.07	10.040	16.34	77.122	38.7	1.26
3	3 13C-1,2,3,4-TCDF	4.10e5	0.79	NO	1.00	10.040	14.45	199.19	100	1.35
4	4 13C-1,2,3,4-TCDD	2.77e5	0.79	NO		10.040	15.10			

Dataset: Untitled

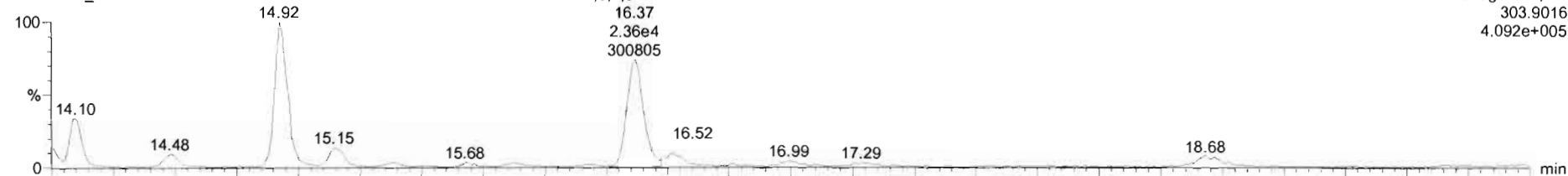
Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time

Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

Name: 200130K1_24, Date: 31-Jan-2020, Time: 05:38:22, ID: 1903650-02RE1 PDI-066SC-B-02-04-191011 18.62@5X, Description: PDI-066SC-B-02-04-191011

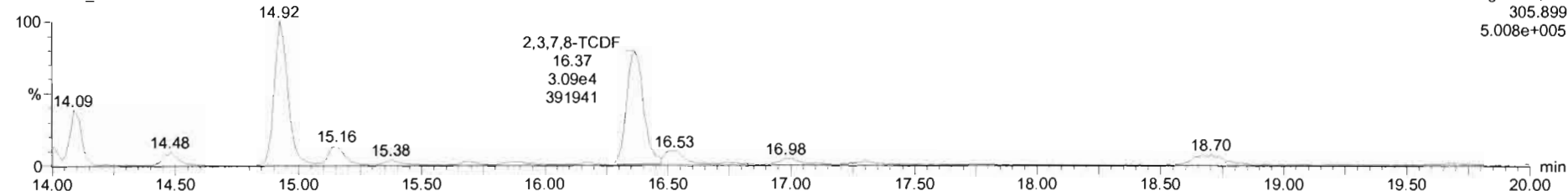
2,3,7,8-TCDF

200130K1_24



Voltage SIR,EI+
303.9016
4.092e+005

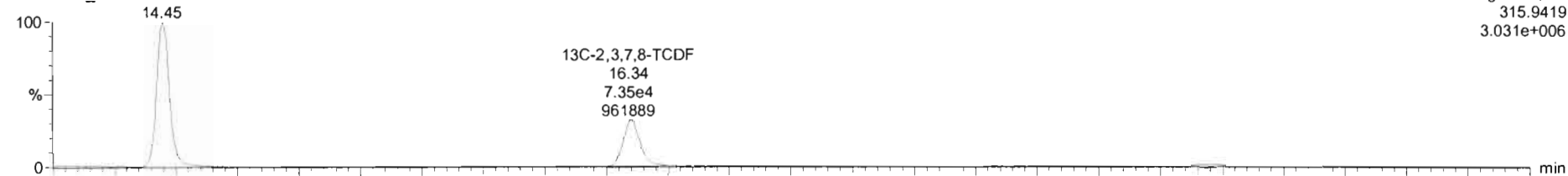
200130K1_24



Voltage SIR,EI+
305.899
5.008e+005

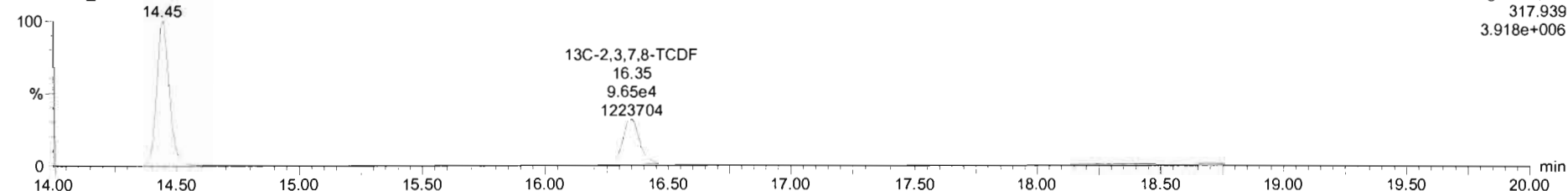
13C-2,3,7,8-TCDF

200130K1_24



Voltage SIR,EI+
315.9419
3.031e+006

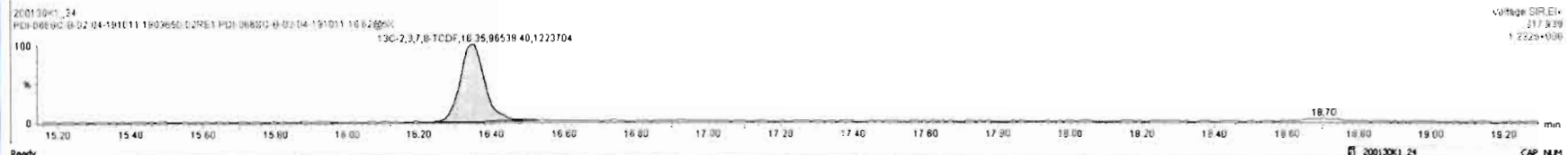
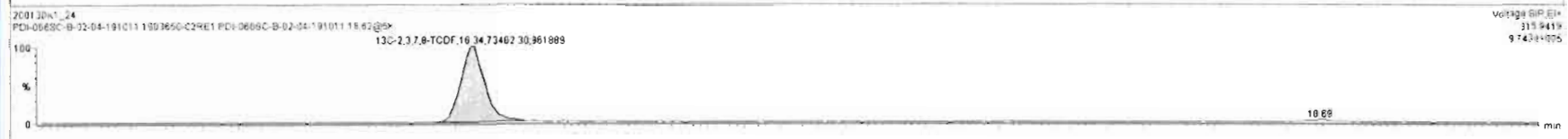
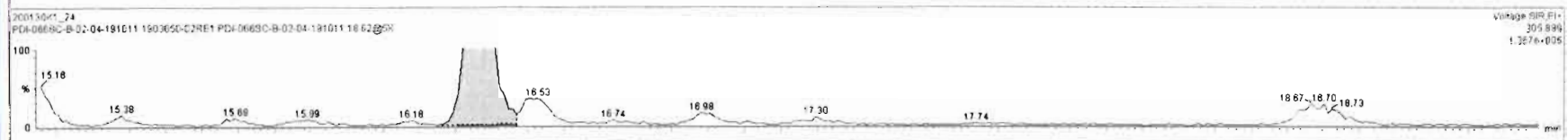
200130K1_24



Voltage SIR,EI+
317.939
3.918e+006

200130K1_24 - 1903650-C2RE1 PDI-0669C-B-02-04-191011 18:62@PK

#	Name	Resp	RA	n/y	RRF	WtWct	RT	Conc	%Rec	DL
1	2,3,7,8-TCDF	5.49e4	0.75	NO	1.00	10.040	16.37	64.3		1.40
2	13C-2,3,7,8-TCDF	1.70e5	0.76	NO	1.07	10.040	16.34	77.1	38.7	1.26
3	13C-1,2,3,4-TCDF	4.10e5	0.79	NO	1.00	10.040	14.45	198	100	1.35
4	13C-1,2,3,4-TCDD	2.77e5	0.79	NO		10.040	15.10			
5	PPK1					1.000				
6	DPE1					1.000				



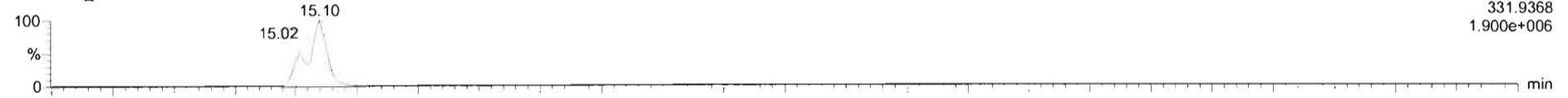
Dataset: Untitled

Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

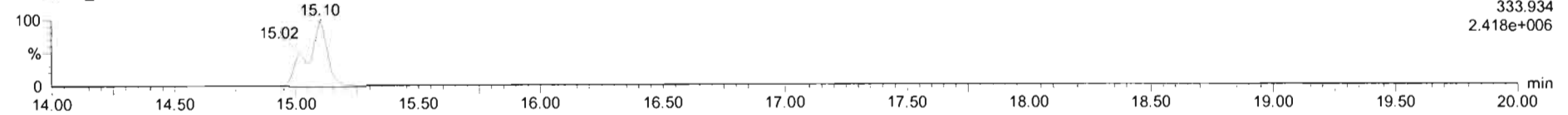
Name: 200130K1_24, Date: 31-Jan-2020, Time: 05:38:22, ID: 1903650-02RE1 PDI-066SC-B-02-04-191011 18.62@5X, Description: PDI-066SC-B-02-04-191011

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

200130K1_24

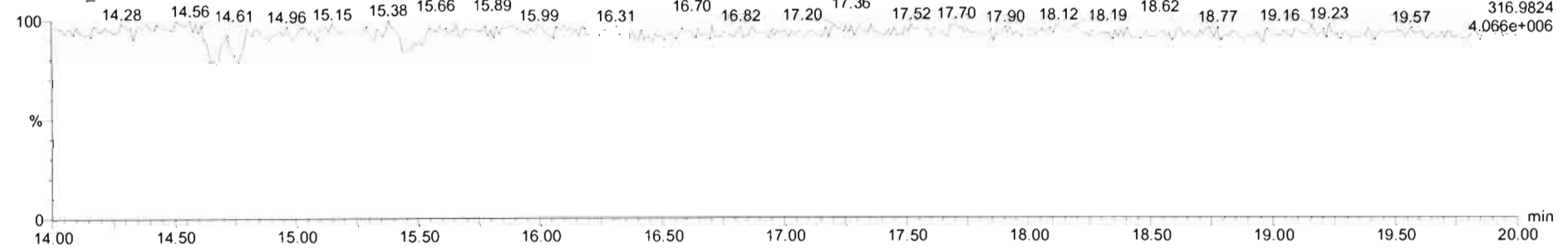


200130K1_24



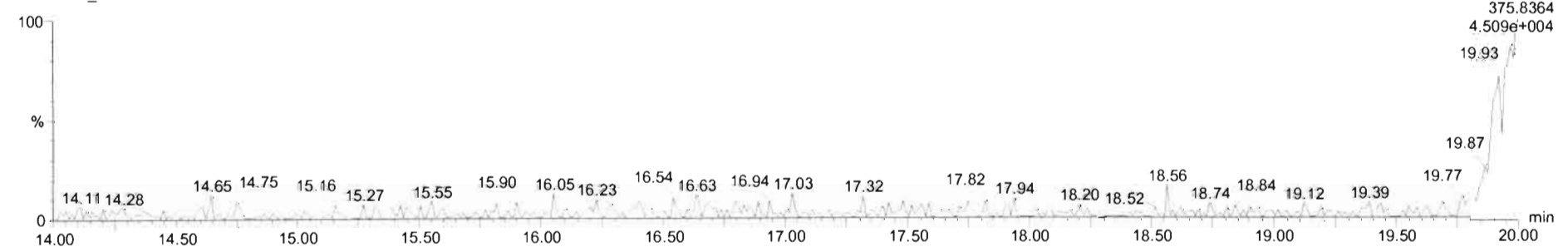
PFK1

200130K1_24



DPE1

200130K1_24



Dataset: U:\VG11.PRO\Results\200130K1\200130K1-15.qld

Last Altered: Friday, January 31, 2020 07:44:34 Pacific Standard Time

Printed: Friday, January 31, 2020 07:44:53 Pacific Standard Time

Hc 1-31-2020

07 02/13/2020

Method: U:\VG11.PRO\MethDB\tcdf.mdb 31 Jan 2020 07:42:36

Calibration: U:\VG11.PRO\CurveDB\db225_1613TCDFvg11-1-30-20.cdb 31 Jan 2020 07:22:32

Name: 200130K1_15, Date: 31-Jan-2020, Time: 00:56:04, ID: 1903650-03RE1 PDI-066SC-B-04-06-191011 17.42, Description: PDI-066SC-B-04-06-191011

#	Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	2,3,7,8-TCDF	3.60e4	0.78	NO	1.00	10.011	16.38	4.2797		0.149
2	13C-2,3,7,8-TCDF	1.68e6	0.76	NO	1.07	10.011	16.37	100.75	50.4	0.181
3	13C-1,2,3,4-TCDF	3.11e6	0.79	NO	1.00	10.011	14.46	199.77	100	0.194
4	13C-1,2,3,4-TCDD	1.99e6	0.79	NO		10.011	15.11			

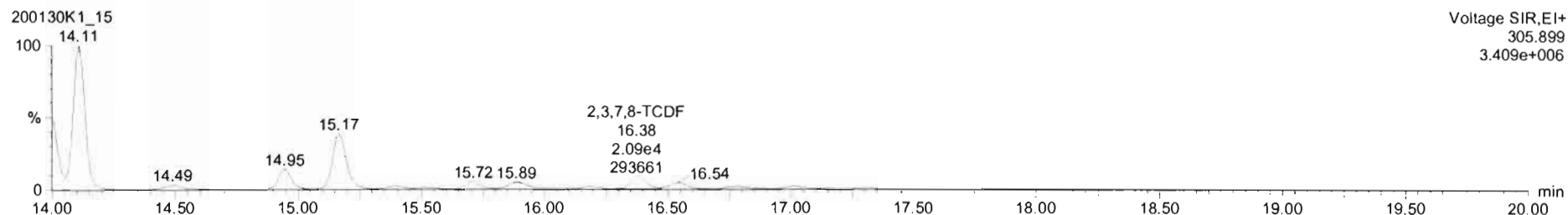
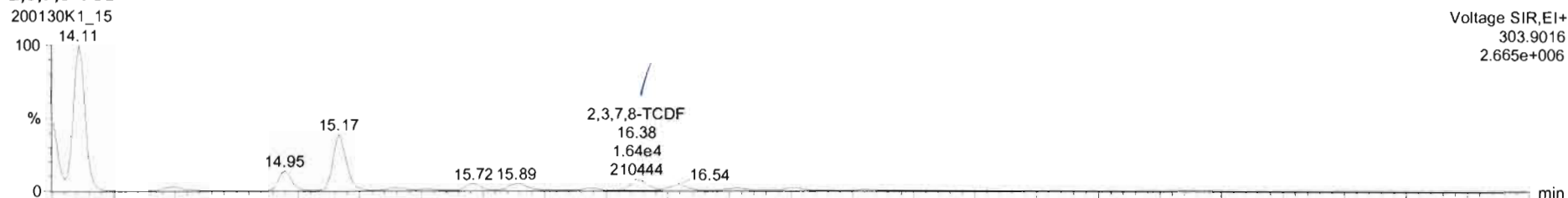
Dataset: Untitled

Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time

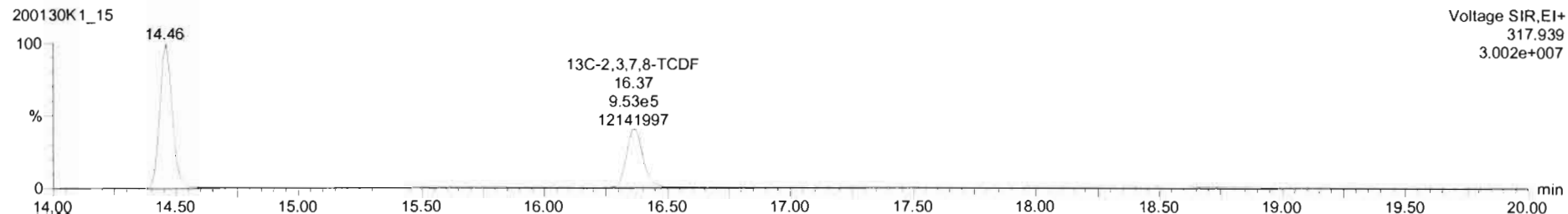
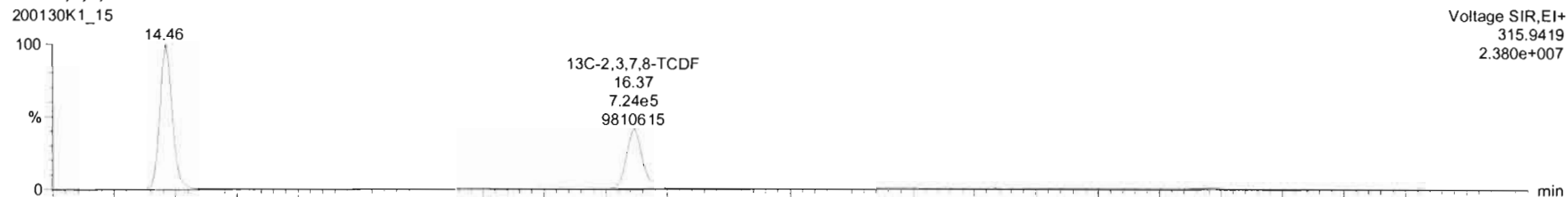
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

Name: 200130K1_15, Date: 31-Jan-2020, Time: 00:56:04, ID: 1903650-03RE1 PDI-066SC-B-04-06-191011 17.42, Description: PDI-066SC-B-04-06-191011

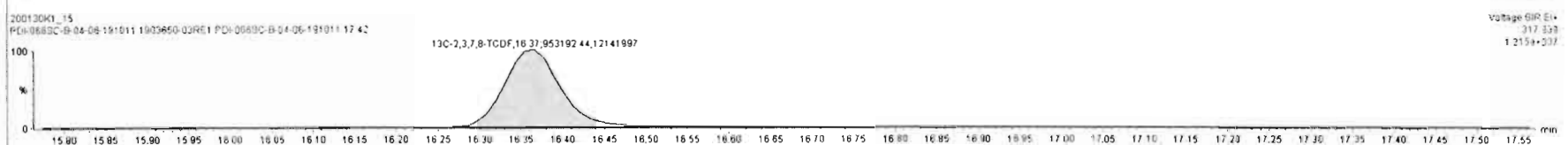
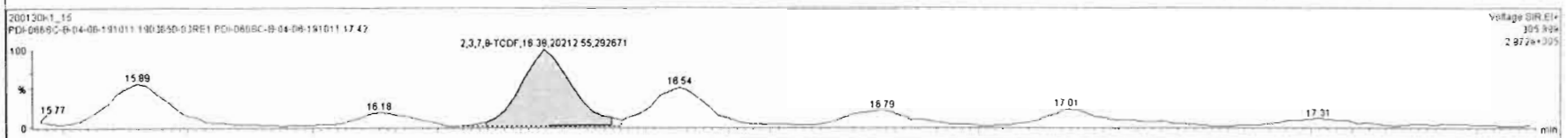
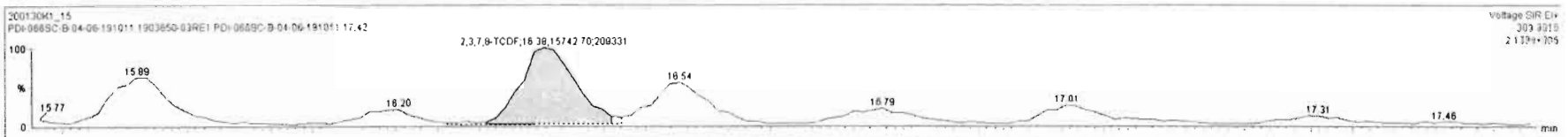
2,3,7,8-TCDF



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



#	Name	Resp	RA	nly	RRF	wtVol	RT	Conc	%Rec	DC
1	2,3,7,8-TCDF	3.80e4	0.78	NO	1.00	10.011	16.38	4.28		0.149
2	13C-2,3,7,8-TCDF	1.68e6	0.76	NO	1.07	10.011	16.37	101	50.4	0.181
3	13C-1,2,3,4-TCDF	3.11e6	0.79	NO	1.00	10.011	14.48	200	100	0.194
4	13C-1,2,3,4-TCDD	1.99e6	0.79	NO		10.011	15.11			
5	PFK1						1.000			
6	DPE1						1.000			

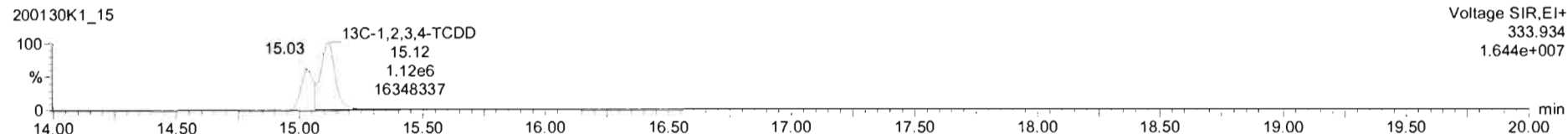
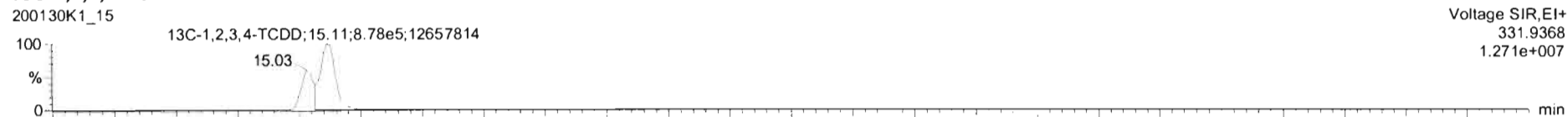


Dataset: Untitled

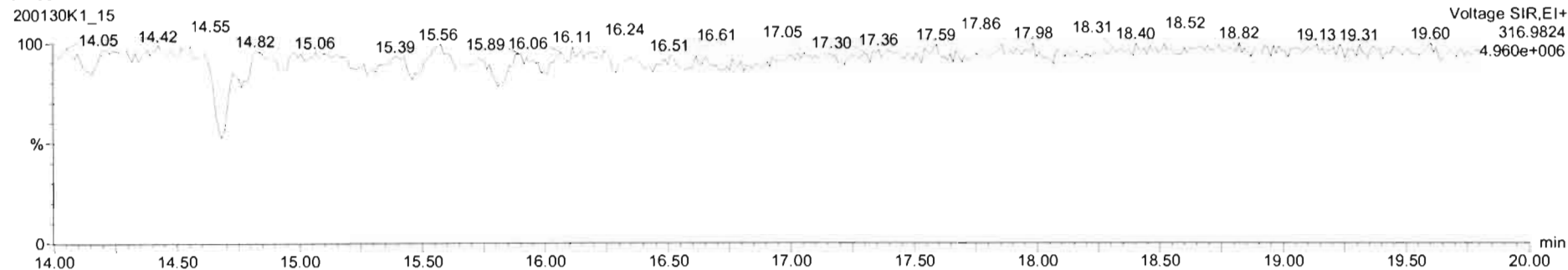
Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

Name: 200130K1_15, Date: 31-Jan-2020, Time: 00:56:04, ID: 1903650-03RE1 PDI-066SC-B-04-06-191011 17.42, Description: PDI-066SC-B-04-06-191011

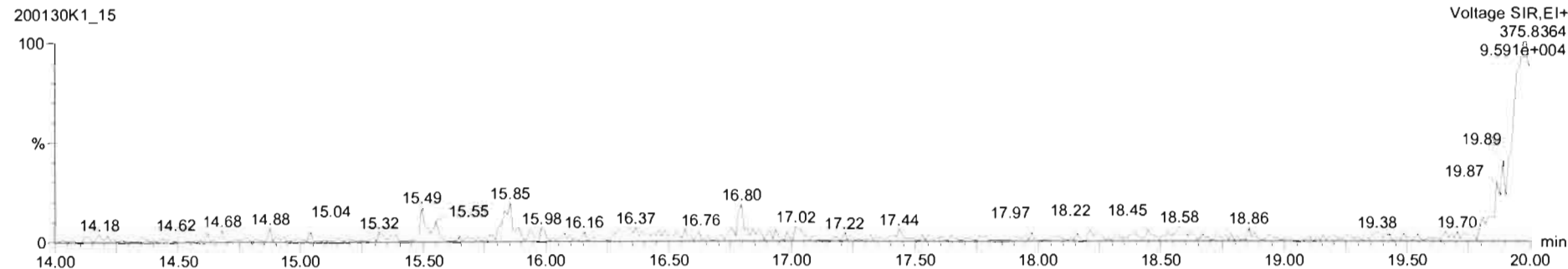
13C-1,2,3,4-TCDD



PFK1



DPE1



Dataset: U:\VG11.PRO\Results\200130K1\200130K1-16.qld

Last Altered: Friday, January 31, 2020 07:45:03 Pacific Standard Time

Printed: Friday, January 31, 2020 07:45:33 Pacific Standard Time

Hc 1-31-2020

CT 02/11/2020

Method: U:\VG11.PRO\MethDB\tcdf.mdb 31 Jan 2020 07:42:36

Calibration: U:\VG11.PRO\CurveDB\db225_1613TCDFvg11-1-30-20.cdb 31 Jan 2020 07:22:32

Name: 200130K1_16, Date: 31-Jan-2020, Time: 01:28:40, ID: 1903650-05RE1 PDI-088SC-B-00-02-191011 18.64, Description: PDI-088SC-B-00-02-191011

#	Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	1.63e5	0.79	NO	1.00	10.017	16.37	14.472		0.114
2	2 13C-2,3,7,8-TCDF	2.24e6	0.79	NO	1.07	10.017	16.34	153.25	76.8	0.181
3	3 13C-1,2,3,4-TCDF	2.73e6	0.79	NO	1.00	10.017	14.45	199.65	100	0.194
4	4 13C-1,2,3,4-TCDD	2.00e6	0.77	NO		10.017	15.10			

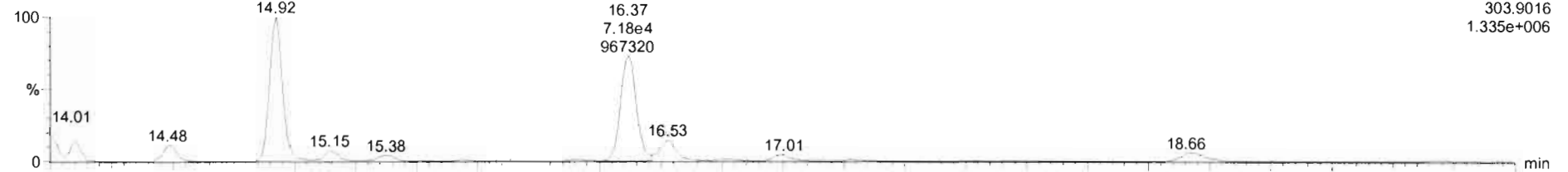
Dataset: Untitled

Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

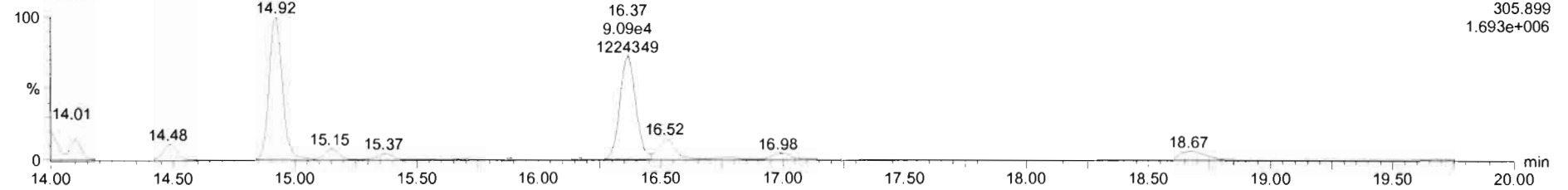
Name: 200130K1_16, Date: 31-Jan-2020, Time: 01:28:40, ID: 1903650-05RE1 PDI-088SC-B-00-02-191011 18.64, Description: PDI-088SC-B-00-02-191011

2,3,7,8-TCDF

200130K1_16

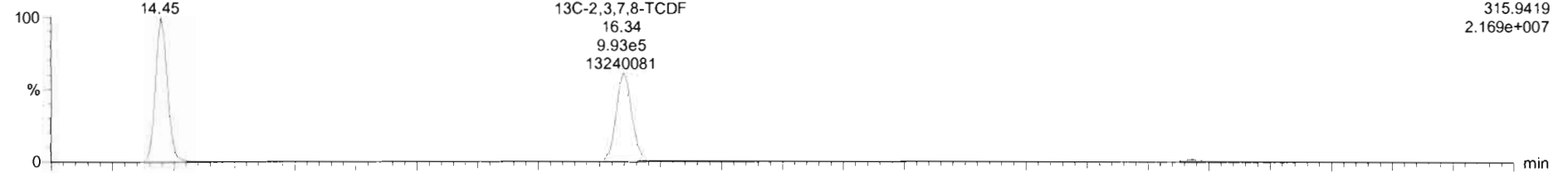


200130K1_16

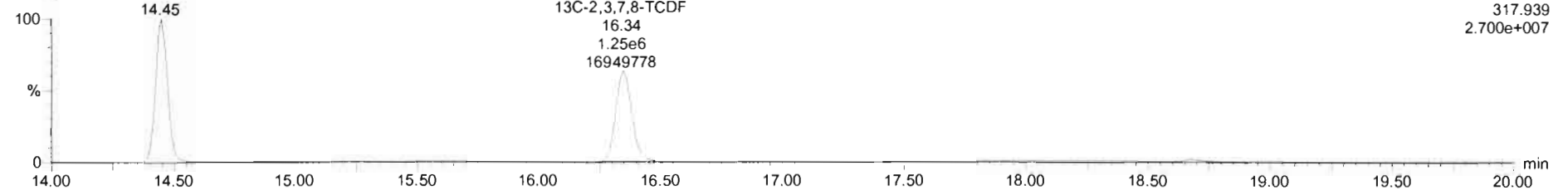


13C-2,3,7,8-TCDF

200130K1_16



200130K1_16



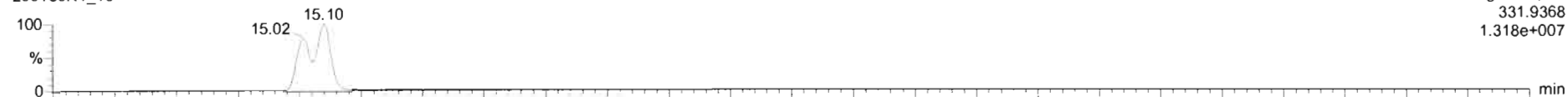
Dataset: Untitled

Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

Name: 200130K1_16, Date: 31-Jan-2020, Time: 01:28:40, ID: 1903650-05RE1 PDI-088SC-B-00-02-191011 18.64, Description: PDI-088SC-B-00-02-191011

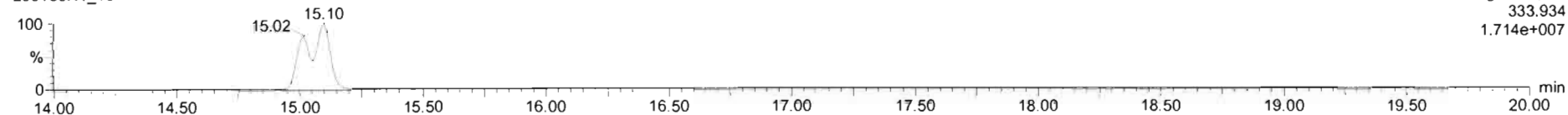
13C-1,2,3,4-TCDD

200130K1_16



Voltage SIR,EI+
331.9368
1.318e+007

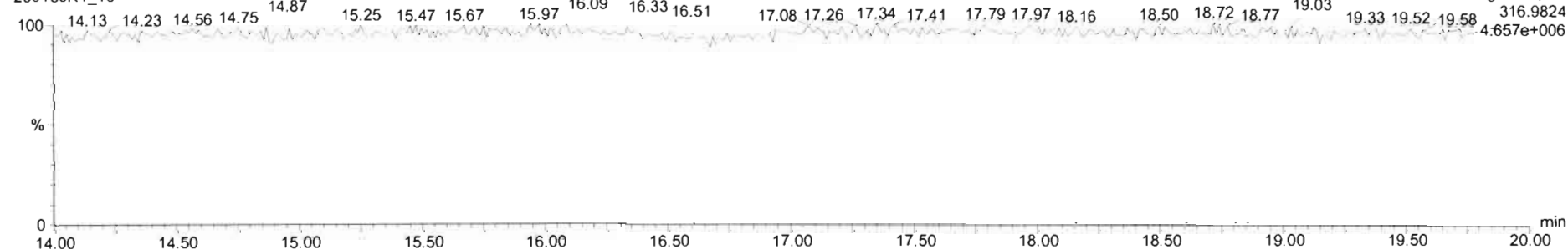
200130K1_16



Voltage SIR,EI+
333.934
1.714e+007

PFK1

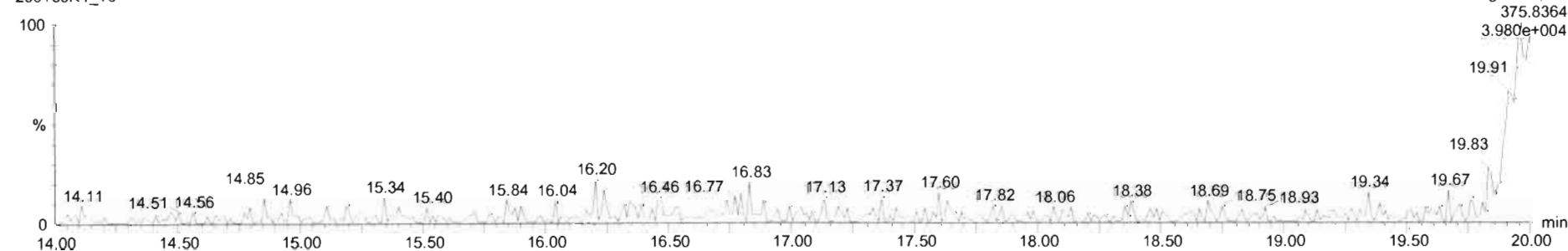
200130K1_16



Voltage SIR,EI+
316.9824
4.657e+006

DPE1

200130K1_16



Voltage SIR,EI+
375.8364
3.980e+004

Dataset: U:\VG11.PRO\Results\200130K1\200130K1-17.qld

Last Altered: Friday, January 31, 2020 07:46:00 Pacific Standard Time

Printed: Friday, January 31, 2020 07:46:16 Pacific Standard Time

HU 1.31.2020

C-7 02/11/2020

Method: U:\VG11.PRO\MethDB\tcdf.mdb 31 Jan 2020 07:42:36

Calibration: U:\VG11.PRO\CurveDB\db225_1613TCDFvg11-1-30-20.cdb 31 Jan 2020 07:22:32

Name: 200130K1_17, Date: 31-Jan-2020, Time: 02:00:12, ID: 1903650-06RE1 PDI-088SC-B-02-04-191011 16.96, Description: PDI-088SC-B-02-04-191011

#	Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	1.59e5	0.77	NO	1.00	10.005	16.35	21.172		0.231
2	2 13C-2,3,7,8-TCDF	1.50e6	0.77	NO	1.07	10.005	16.34	143.13	71.6	0.358
3	3 13C-1,2,3,4-TCDF	1.95e6	0.80	NO	1.00	10.005	14.45	199.90	100	0.383
4	4 13C-1,2,3,4-TCDD	1.46e6	0.80	NO		10.005	15.10			

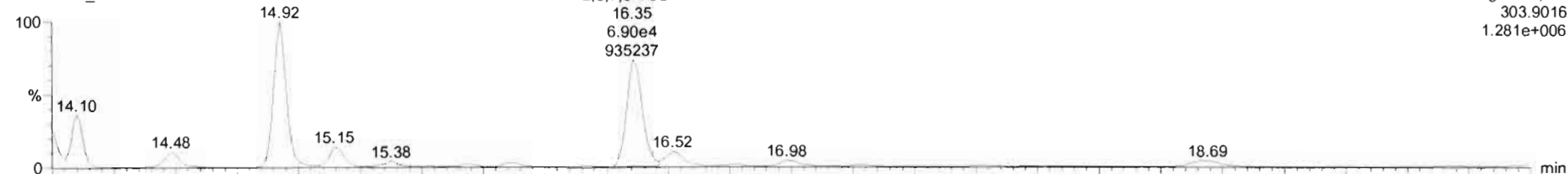
Dataset: Untitled

Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

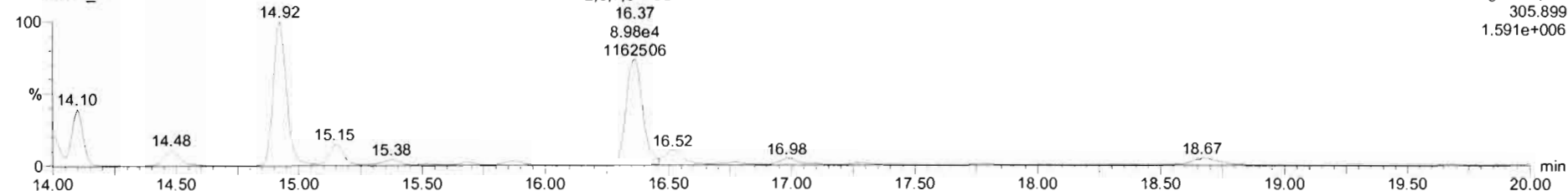
Name: 200130K1_17, Date: 31-Jan-2020, Time: 02:00:12, ID: 1903650-06RE1 PDI-088SC-B-02-04-191011 16.96, Description: PDI-088SC-B-02-04-191011

2,3,7,8-TCDF

200130K1_17

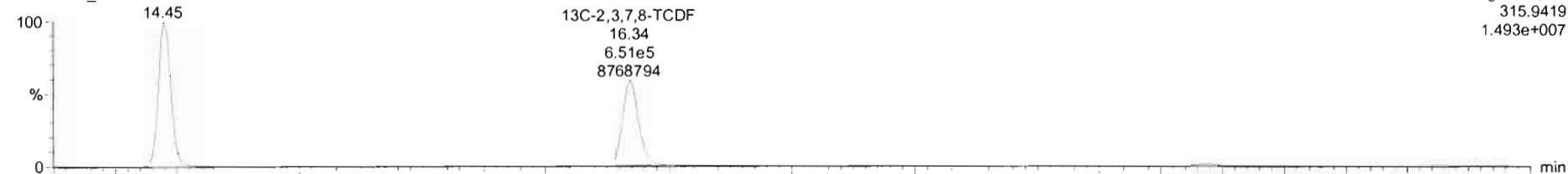


200130K1_17

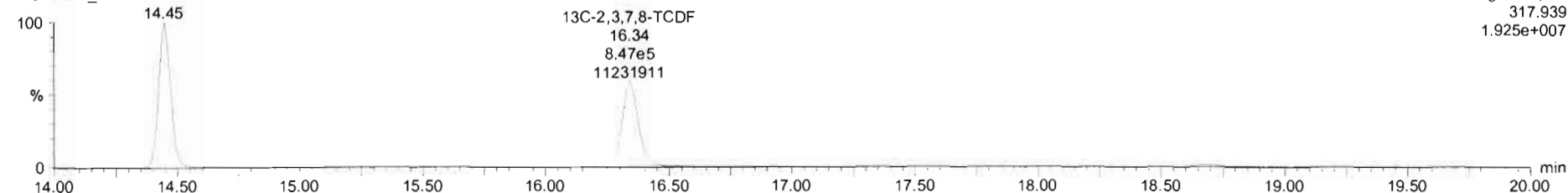


13C-2,3,7,8-TCDF

200130K1_17



200130K1_17



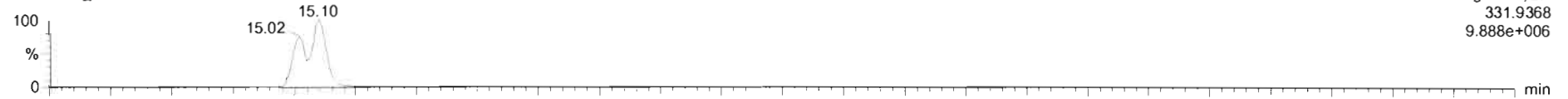
Dataset: Untitled

Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

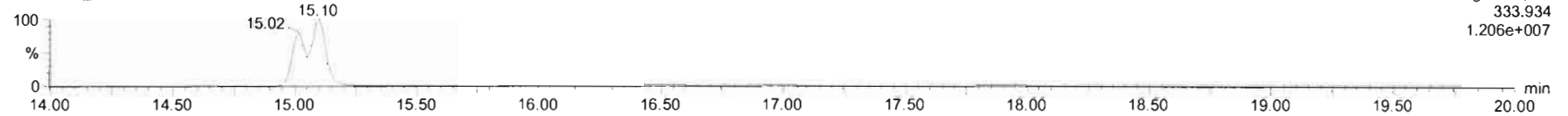
Name: 200130K1_17, Date: 31-Jan-2020, Time: 02:00:12, ID: 1903650-06RE1 PDI-088SC-B-02-04-191011 16.96, Description: PDI-088SC-B-02-04-191011

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

200130K1_17

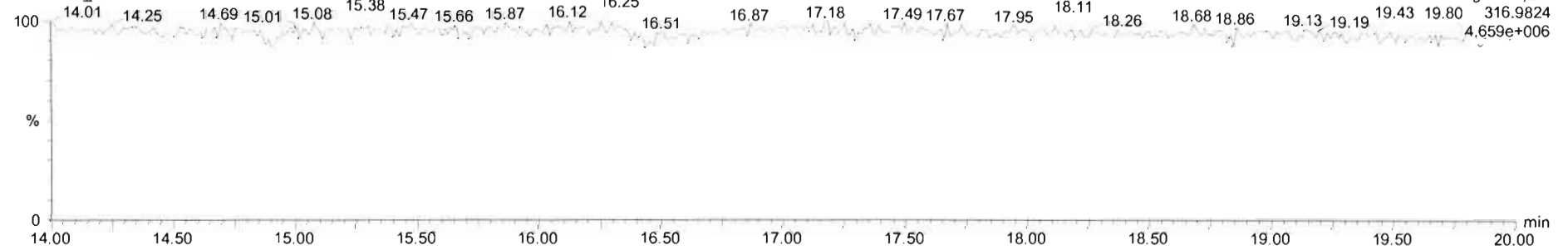


200130K1_17



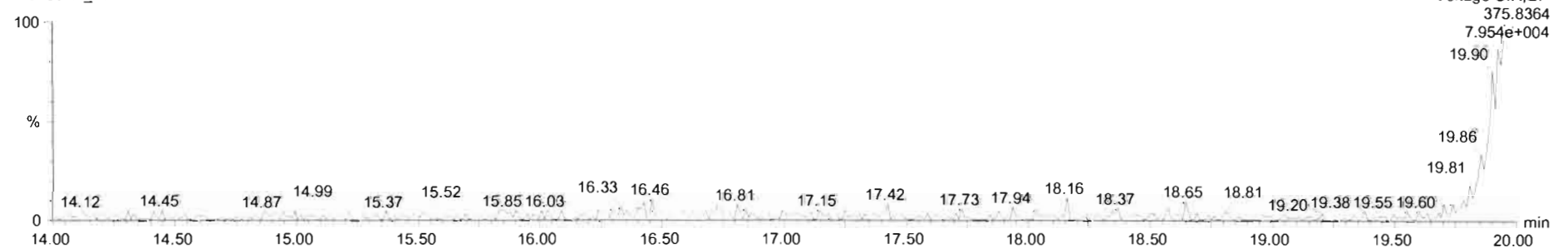
PFK1

200130K1_17



DPE1

200130K1_17



Dataset: U:\VG11.PRO\Results\200130K1\200130K1-14.qld

Last Altered: Friday, January 31, 2020 07:43:32 Pacific Standard Time

Printed: Friday, January 31, 2020 07:43:50 Pacific Standard Time

HL 1.31.2020

CT 02/11/2020

Method: U:\VG11.PRO\MethDB\tcdf.mdb 31 Jan 2020 07:42:36

Calibration: U:\VG11.PRO\CurveDB\db225_1613TCDFvg11-1-30-20.cdb 31 Jan 2020 07:22:32

Name: 200130K1_14, Date: 31-Jan-2020, Time: 00:24:48, ID: B0A0018-DUP1 Duplicate 17.02, Description: Duplicate

#	Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	6.77e4	0.78	NO	1.00	10.040	16.37	6.3543		0.121
2	2 13C-2,3,7,8-TCDF	2.12e6	0.78	NO	1.07	10.040	16.34	158.62	79.6	0.229
3	3 13C-1,2,3,4-TCDF	2.49e6	0.79	NO	1.00	10.040	14.45	199.20	100	0.245
4	4 13C-1,2,3,4-TCDD	1.70e6	0.82	NO		10.040	15.10			

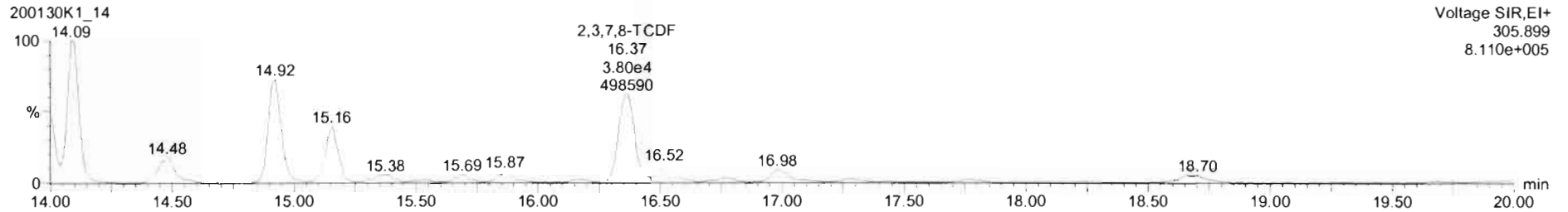
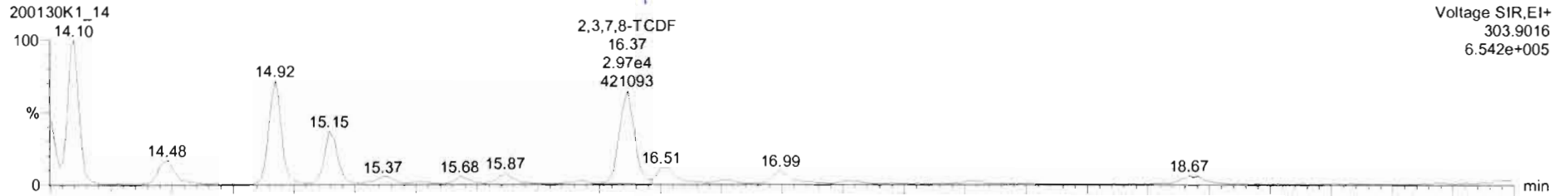
Dataset: Untitled

Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time

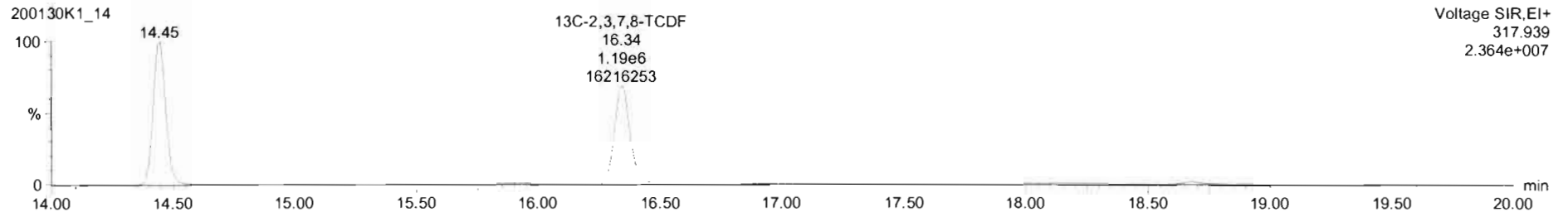
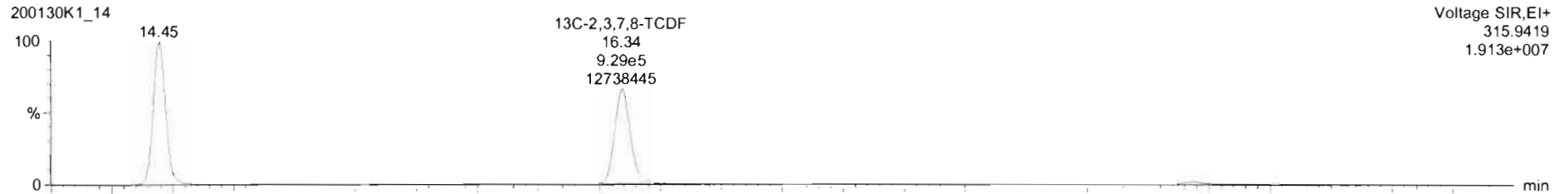
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

Name: 200130K1_14, Date: 31-Jan-2020, Time: 00:24:48, ID: B0A0018-DUP1 Duplicate 17.02, Description: Duplicate

2,3,7,8-TCDF



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



Dataset: Untitled

Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

Name: 200130K1_14, Date: 31-Jan-2020, Time: 00:24:48, ID: B0A0018-DUP1 Duplicate 17.02, Description: Duplicate

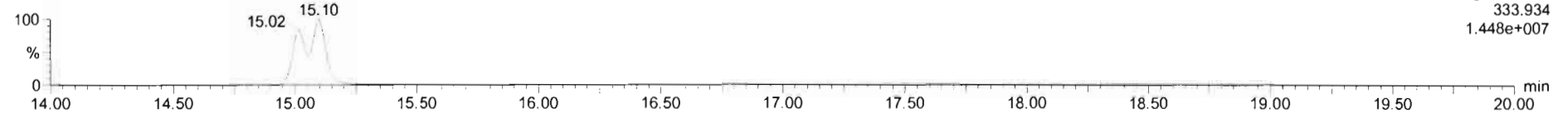
13C-1,2,3,4-TCDD

200130K1_14



Voltage SIR,EI+
331.9368
1.174e+007

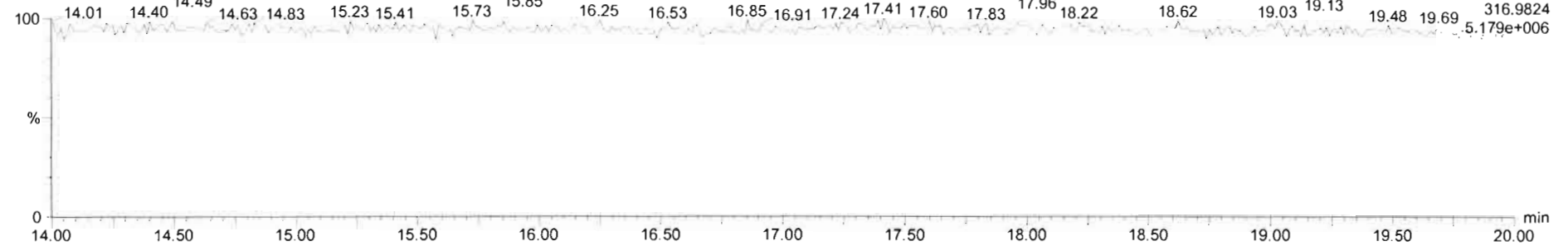
200130K1_14



Voltage SIR,EI+
333.934
1.448e+007

PFK1

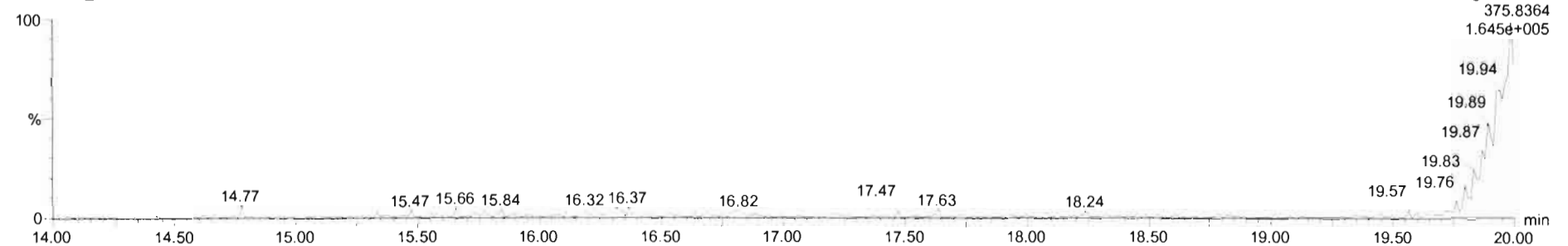
200130K1_14



Voltage SIR,EI+
316.9824
5.179e+006

DPE1

200130K1_14



Voltage SIR,EI+
375.8364
1.645e+005

Dataset: U:\VG11.PRO\Results\200130K1\200130K1-18.qld

Last Altered: Friday, January 31, 2020 07:46:51 Pacific Standard Time

Printed: Friday, January 31, 2020 07:47:18 Pacific Standard Time

Hc 1-31-2020

CT 02/11/2020

Method: U:\VG11.PRO\MethDB\tcdf.mdb 31 Jan 2020 07:42:36

Calibration: U:\VG11.PRO\CurveDB\db225_1613TCDFvg11-1-30-20.cdb 31 Jan 2020 07:22:32

Name: 200130K1_18, Date: 31-Jan-2020, Time: 02:31:25, ID: 1903650-07RE1 PDI-088SC-B-04-06-191011 17.43, Description: PDI-088SC-B-04-06-191011

#	Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	2,3,7,8-TCDF	7.03e4	0.77	NO	1.00	10.023	16.38	7.3760		0.166
2	13C-2,3,7,8-TCDF	1.90e6	0.78	NO	1.07	10.023	16.35	145.52	72.9	0.247
3	13C-1,2,3,4-TCDF	2.43e6	0.79	NO	1.00	10.023	14.46	199.54	100	0.265
4	13C-1,2,3,4-TCDD	1.73e6	0.76	NO		10.023	15.11			

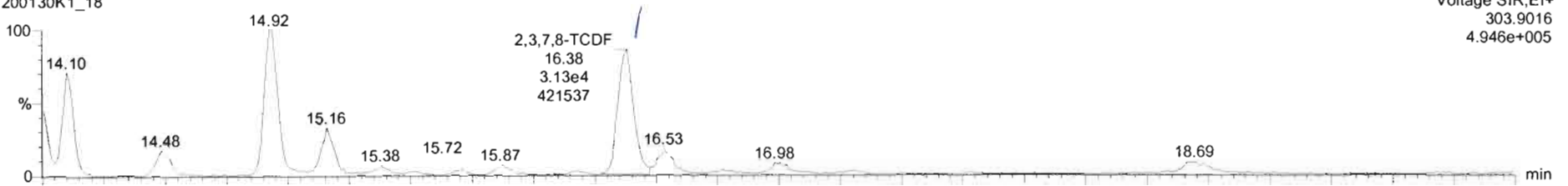
Dataset: Untitled

Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

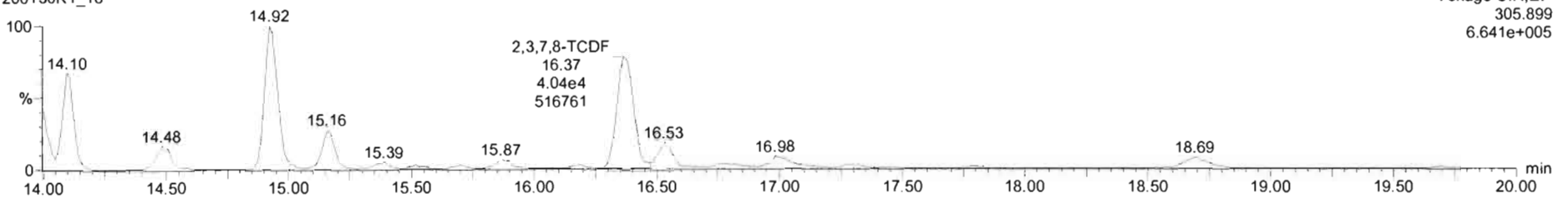
Name: 200130K1_18, Date: 31-Jan-2020, Time: 02:31:25, ID: 1903650-07RE1 PDI-088SC-B-04-06-191011 17.43, Description: PDI-088SC-B-04-06-191011

2,3,7,8-TCDF

200130K1_18

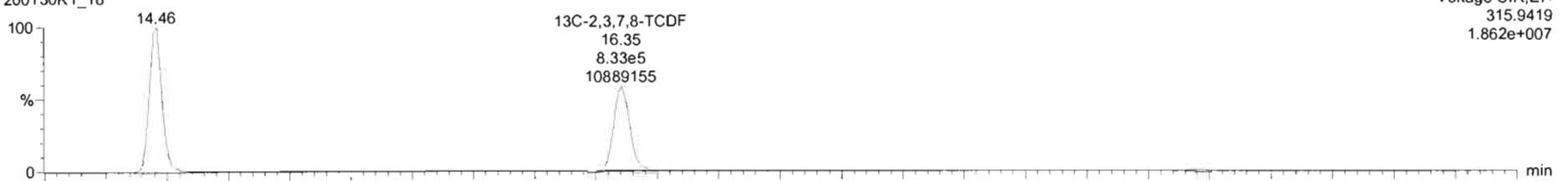


200130K1_18

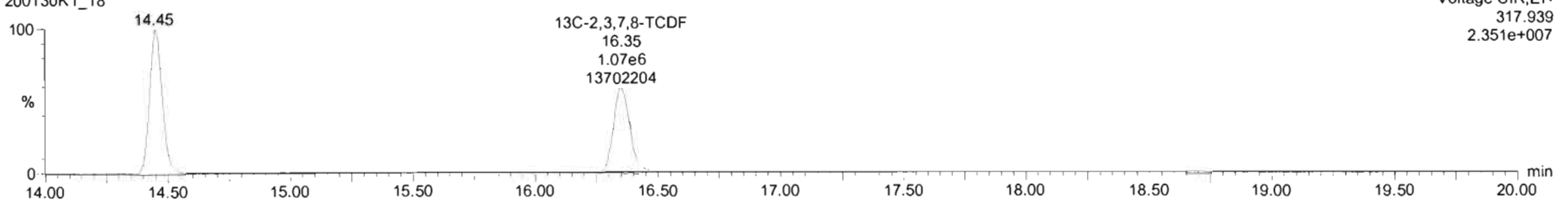


13C-2,3,7,8-TCDF

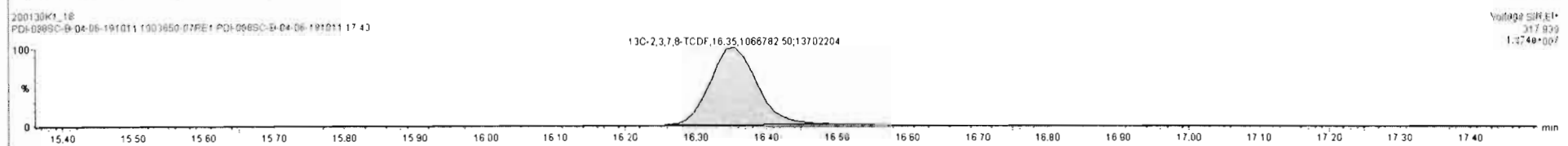
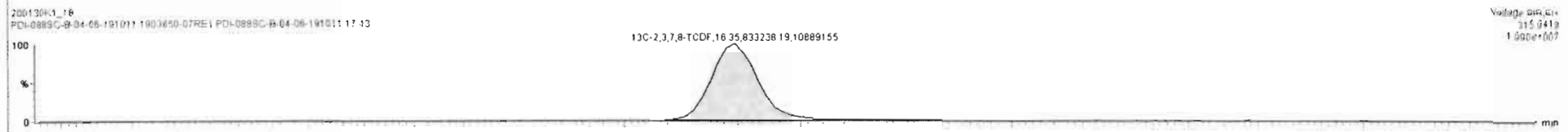
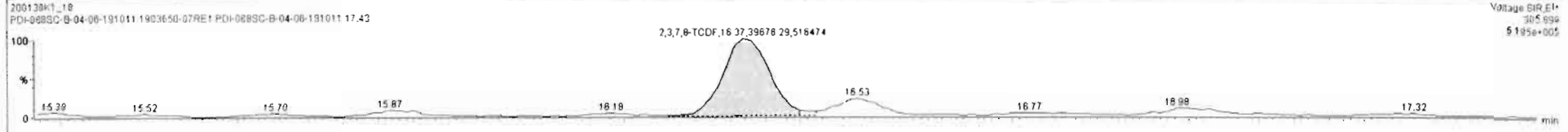
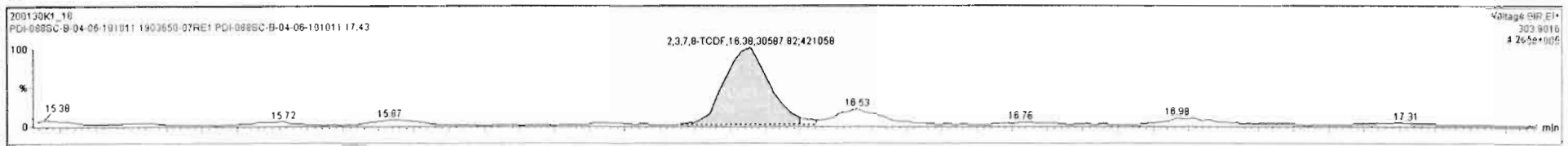
200130K1_18



200130K1_18



#	Name	Resp	RA	nly	RRF	wtVol	RT	Conc.	%Rec	DL
1	2,3,7,8-TCDF	7.03e4	0.77	NO	1.00	10.023	16.38	7.38		0.166
2	13C-2,3,7,8-TCDF	1.90e6	0.78	NO	1.07	10.023	16.35	146	72.9	0.247
3	13C-1,2,3,4-TCDF	2.43e6	0.79	NO	1.00	10.023	14.46	200	100	0.265
4	13C-1,2,3,4-TCDF	1.73e6	0.76	NO		10.023	15.11			
5	PFK1					1.000				
6	DPE1					1.000				

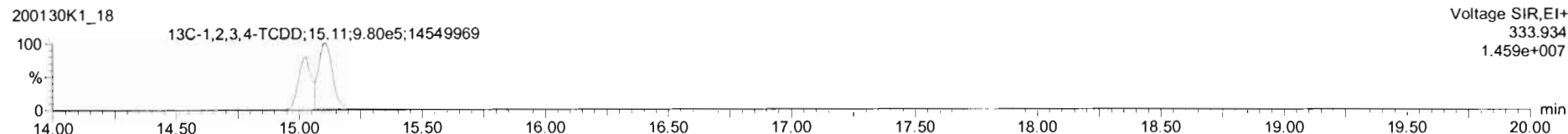
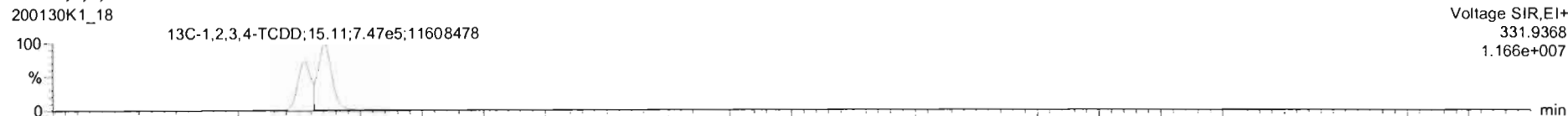


Dataset: Untitled

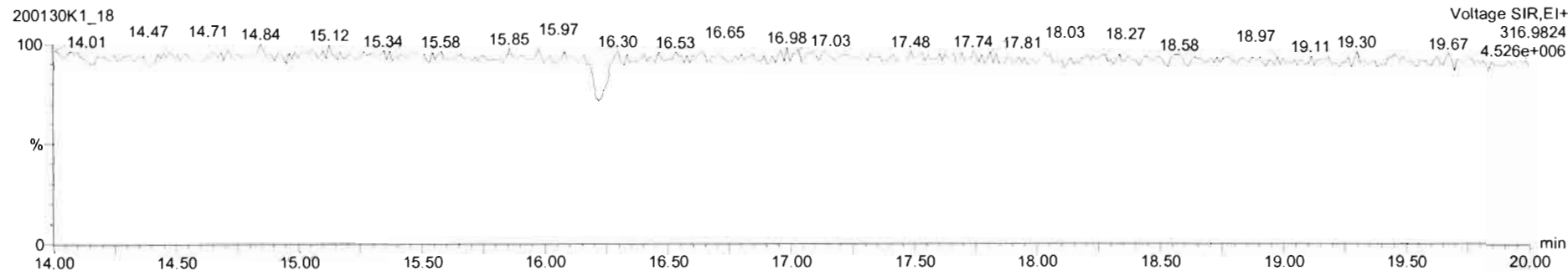
Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

Name: 200130K1_18, Date: 31-Jan-2020, Time: 02:31:25, ID: 1903650-07RE1 PDI-088SC-B-04-06-191011 17.43, Description: PDI-088SC-B-04-06-191011

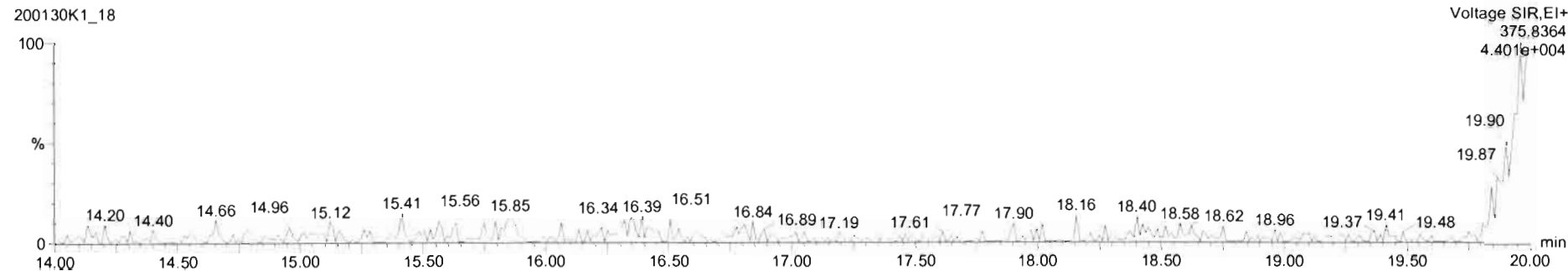
13C-1,2,3,4-TCDD



PFK1



DPE1



Dataset: U:\VG11.PRO\Results\200130K1\200130K1-19.qld

Last Altered: Friday, January 31, 2020 07:47:26 Pacific Standard Time

Printed: Friday, January 31, 2020 07:48:01 Pacific Standard Time

H 1-31-2020

CT 02/11/2020

Method: U:\VG11.PRO\MethDB\tcdf.mdb 31 Jan 2020 07:42:36

Calibration: U:\VG11.PRO\CurveDB\db225_1613TCDFvg11-1-30-20.cdb 31 Jan 2020 07:22:32

Name: 200130K1_19, Date: 31-Jan-2020, Time: 03:01:48, ID: 1903650-08RE1 PDI-088SC-B-06-08-191011 16.73, Description: PDI-088SC-B-06-08-191011

#	Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	2.36e5	0.77	NO	1.00	10.043	16.37	23.983		0.341
2	2 13C-2,3,7,8-TCDF	1.96e6	0.77	NO	1.07	10.043	16.34	143.22	71.9	0.219
3	3 13C-1,2,3,4-TCDF	2.54e6	0.80	NO	1.00	10.043	14.45	199.15	100	0.234
4	4 13C-1,2,3,4-TCDD	1.91e6	0.79	NO		10.043	15.10			

Dataset: Untitled

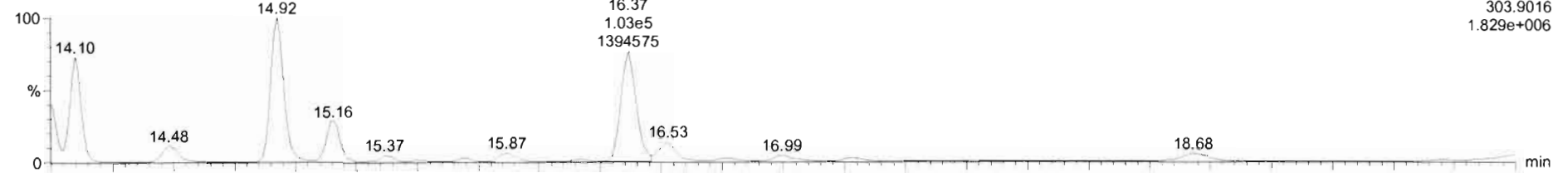
Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time

Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

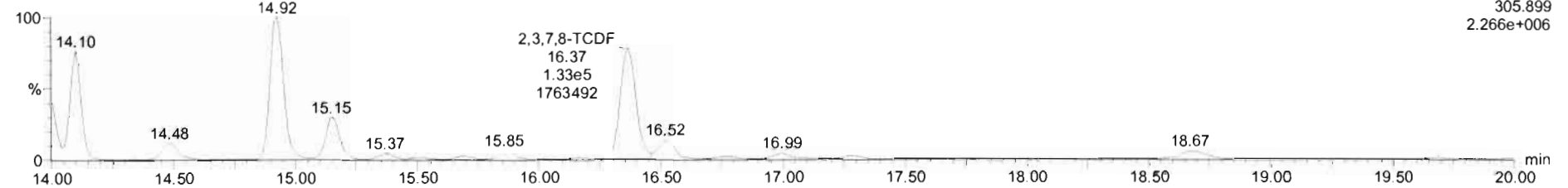
Name: 200130K1_19, Date: 31-Jan-2020, Time: 03:01:48, ID: 1903650-08RE1 PDI-088SC-B-06-08-191011 16.73, Description: PDI-088SC-B-06-08-191011

2,3,7,8-TCDF

200130K1_19

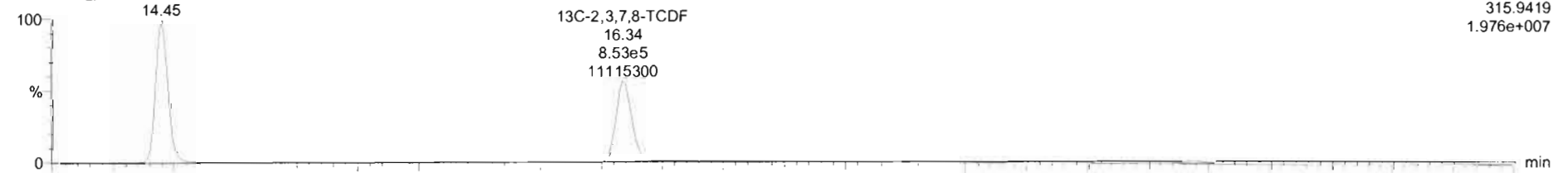


200130K1_19

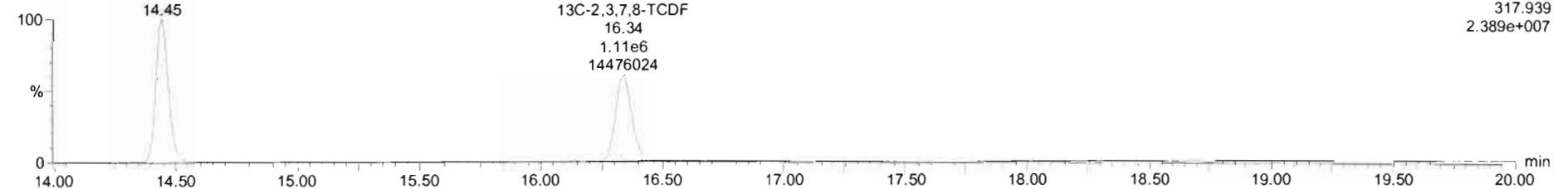


13C-2,3,7,8-TCDF

200130K1_19



200130K1_19



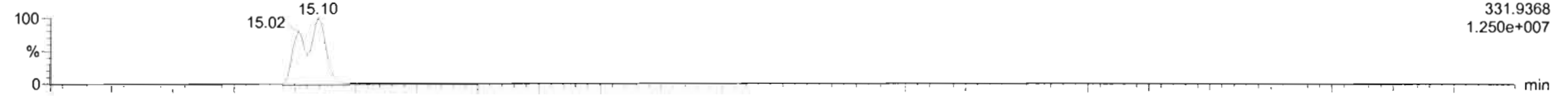
Dataset: Untitled

Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

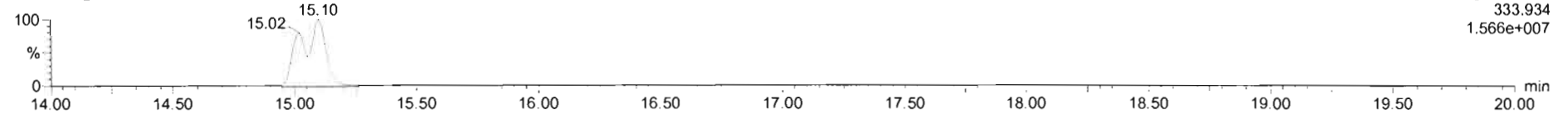
Name: 200130K1_19, Date: 31-Jan-2020, Time: 03:01:48, ID: 1903650-08RE1 PDI-088SC-B-06-08-191011 16.73, Description: PDI-088SC-B-06-08-191011

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

200130K1_19

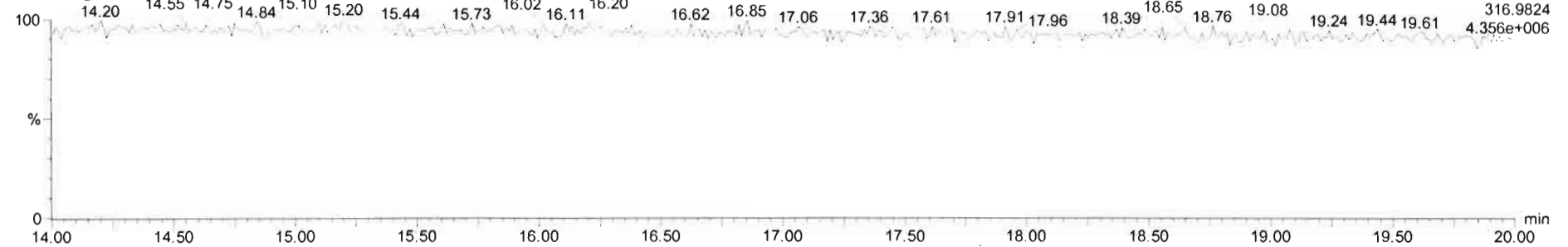


200130K1_19



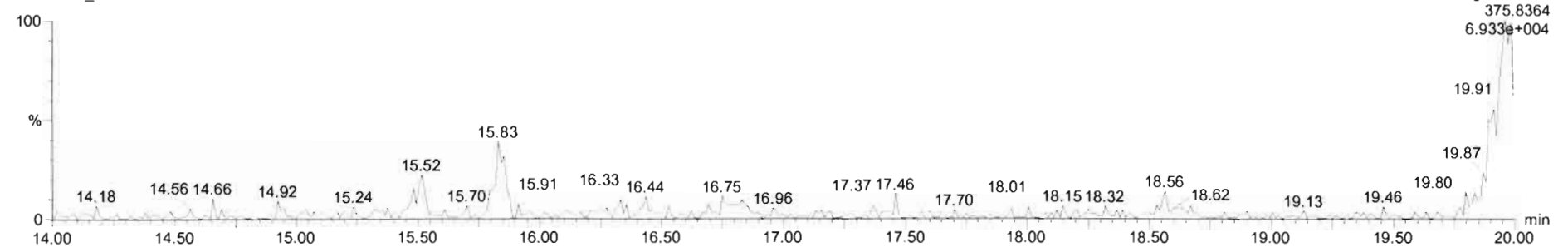
PFK1

200130K1_19



DPE1

200130K1_19



Dataset: U:\VG11.PRO\Results\200130K1\200130K1-20.qld

Last Altered: Friday, January 31, 2020 07:48:32 Pacific Standard Time

Printed: Friday, January 31, 2020 07:50:36 Pacific Standard Time

Hc 1.31.2020

CT 02/11/2020

Method: U:\VG11.PRO\MethDB\tcdf.mdb 31 Jan 2020 07:42:36

Calibration: U:\VG11.PRO\CurveDB\db225_1613TCDFvg11-1-30-20.cdb 31 Jan 2020 07:22:32

Name: 200130K1_20, Date: 31-Jan-2020, Time: 03:33:07, ID: 1903650-09RE1 PDI-1088SC-B-04-06-191011 17.44, Description: PDI-1088SC-B-04-06-191011

#	Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	2.27e5	0.76	NO	1.00	10.045	16.35	17.503		0.169
2	2 13C-2,3,7,8-TCDF	2.58e6	0.77	NO	1.07	10.045	16.34	179.14	90.0	0.322
3	3 13C-1,2,3,4-TCDF	2.68e6	0.80	NO	1.00	10.045	14.45	199.10	100	0.344
4	4 13C-1,2,3,4-TCDD	2.09e6	0.80	NO		10.045	15.10			

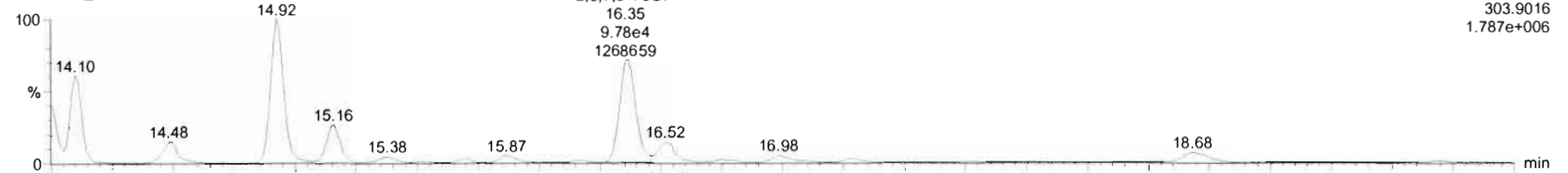
Dataset: Untitled

Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

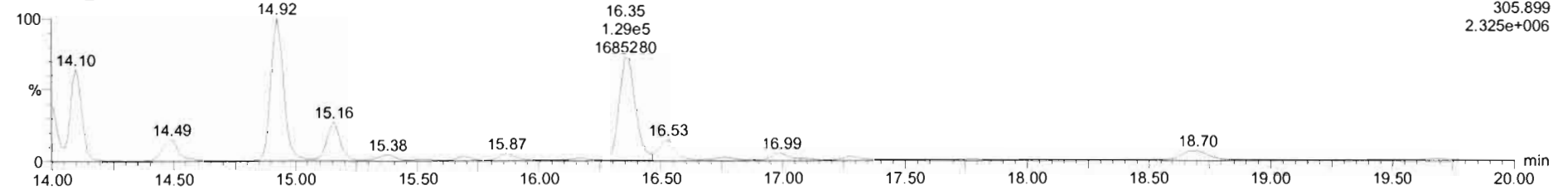
Name: 200130K1_20, Date: 31-Jan-2020, Time: 03:33:07, ID: 1903650-09RE1 PDI-1088SC-B-04-06-191011 17.44, Description: PDI-1088SC-B-04-06-191011

2,3,7,8-TCDF

200130K1_20

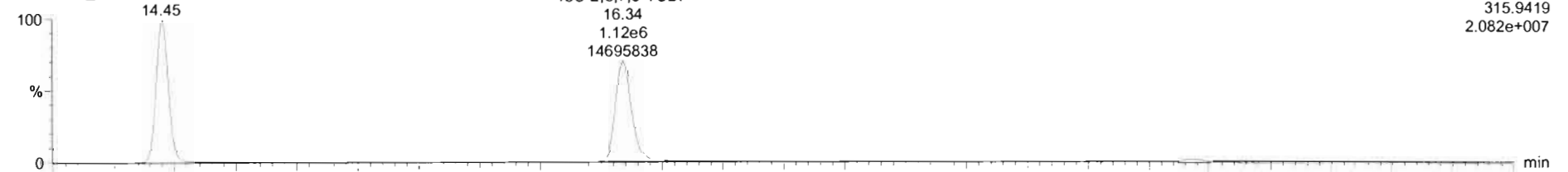


200130K1_20

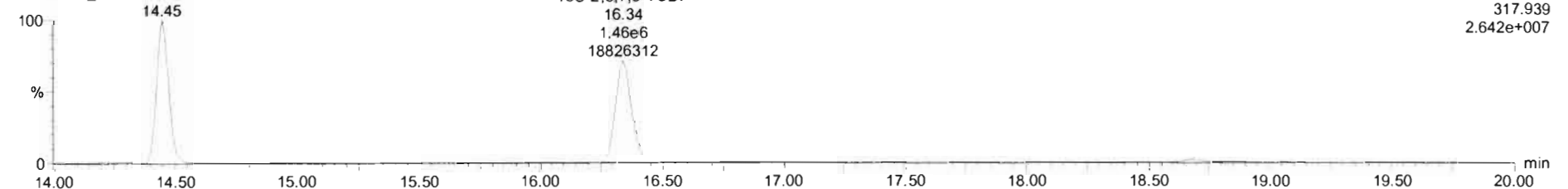


13C-2,3,7,8-TCDF

200130K1_20



200130K1_20

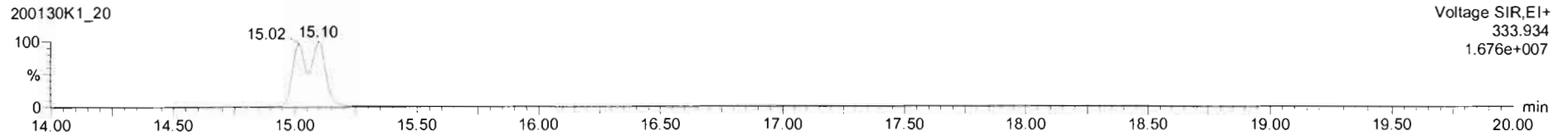
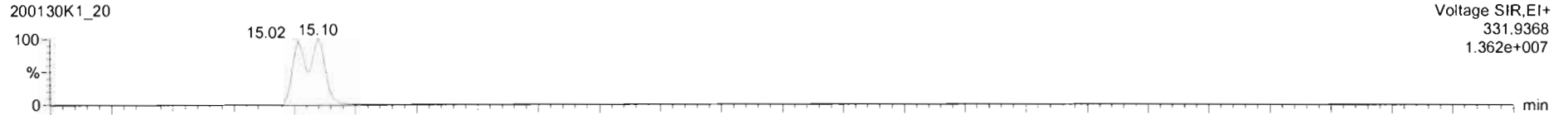


Dataset: Untitled

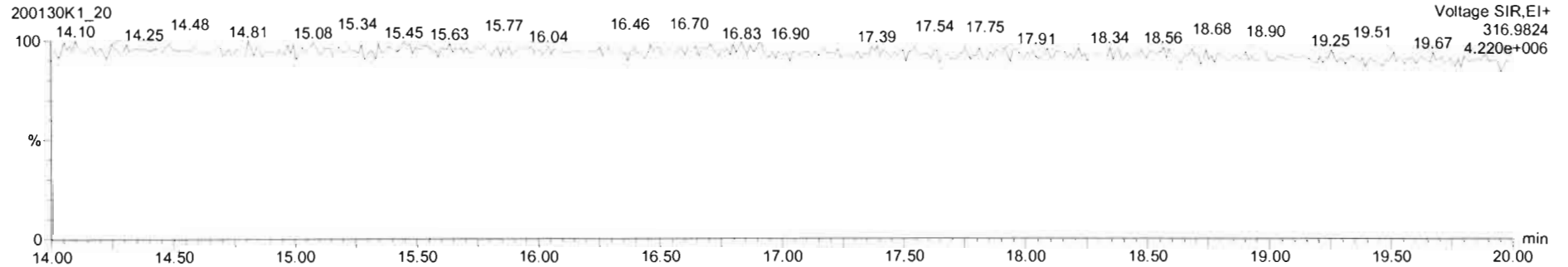
Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

Name: 200130K1_20, Date: 31-Jan-2020, Time: 03:33:07, ID: 1903650-09RE1 PDI-1088SC-B-04-06-191011 17.44, Description: PDI-1088SC-B-04-06-191011

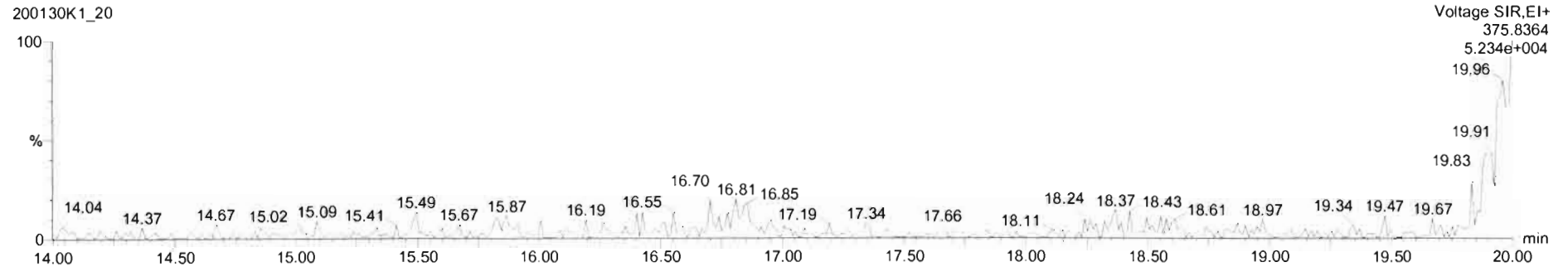
13C-1,2,3,4-TCDD



PFK1



DPE1



Dataset: U:\VG11.PRO\Results\200130K1\200130K1-21.qld

Last Altered: Friday, January 31, 2020 07:50:45 Pacific Standard Time

Printed: Friday, January 31, 2020 07:51:22 Pacific Standard Time

H. 1-31-2020

CT 02/11/2020

Method: U:\VG11.PRO\MethDB\tcdf.mdb 31 Jan 2020 07:42:36

Calibration: U:\VG11.PRO\CurveDB\db225_1613TCDFvg11-1-30-20.cdb 31 Jan 2020 07:22:32

Name: 200130K1_21, Date: 31-Jan-2020, Time: 04:04:26, ID: 1903650-10RE1 PDI-092SC-B-00-02-191011 19.64, Description: PDI-092SC-B-00-02-191011

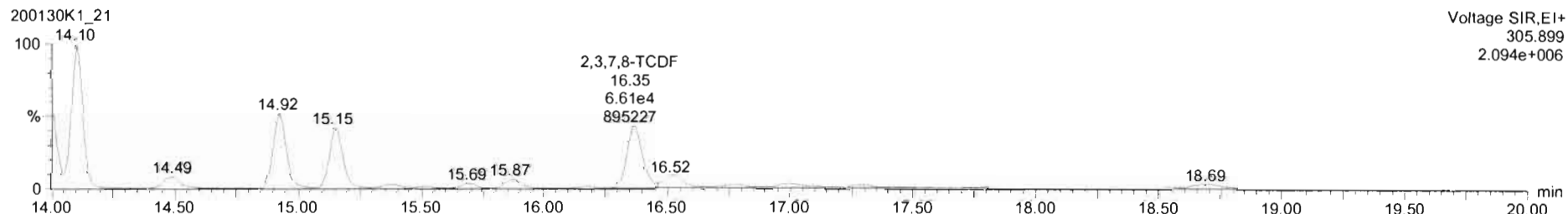
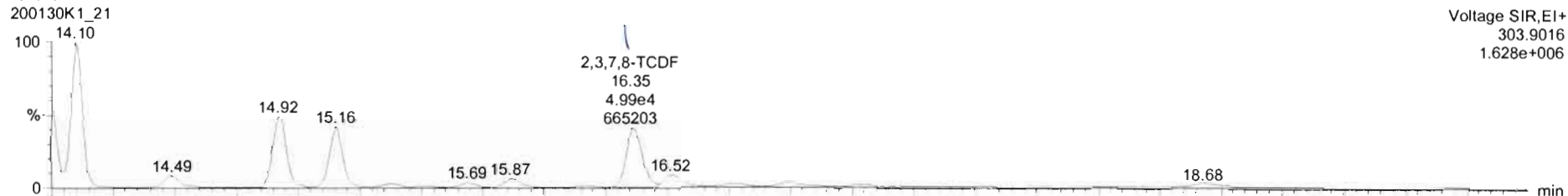
#	Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	1.16e5	0.75	NO	1.00	10.030 ✓	16.35	13.729		0.174
2	2 13C-2,3,7,8-TCDF	1.68e6	0.77	NO	1.07	10.030	16.34	140.71	70.6	0.230
3	3 13C-1,2,3,4-TCDF	2.23e6	0.79	NO	1.00	10.030	14.45	199.41	100	0.246
4	4 13C-1,2,3,4-TCDD	1.58e6	0.78	NO		10.030	15.10			

Dataset: Untitled

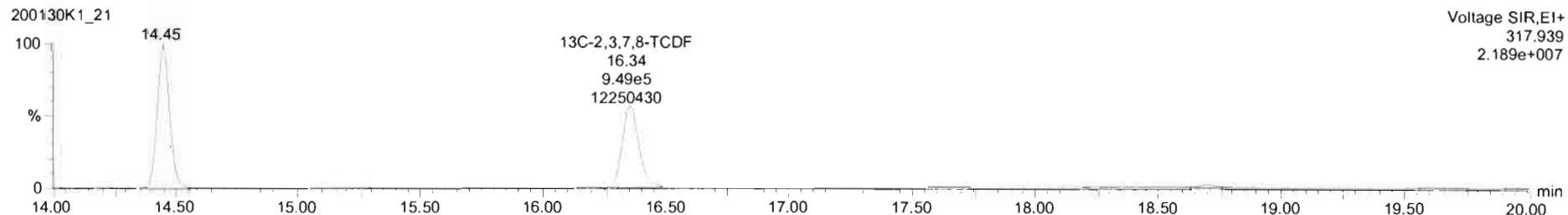
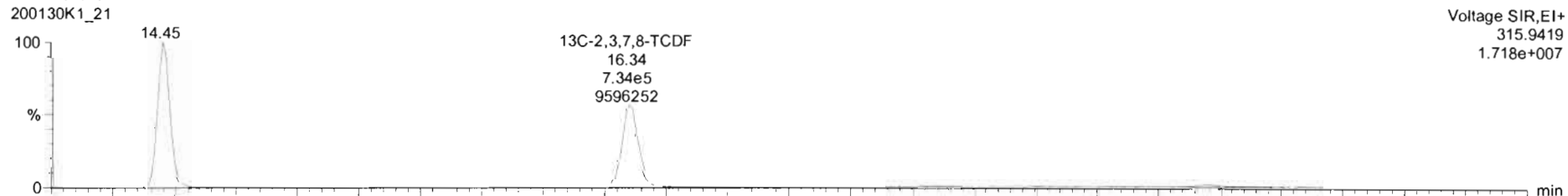
Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

Name: 200130K1_21, Date: 31-Jan-2020, Time: 04:04:26, ID: 1903650-10RE1 PDI-092SC-B-00-02-191011 19.64, Description: PDI-092SC-B-00-02-191011

2,3,7,8-TCDF



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



Dataset: Untitled

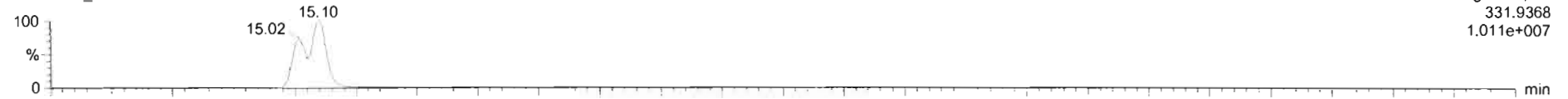
Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time

Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

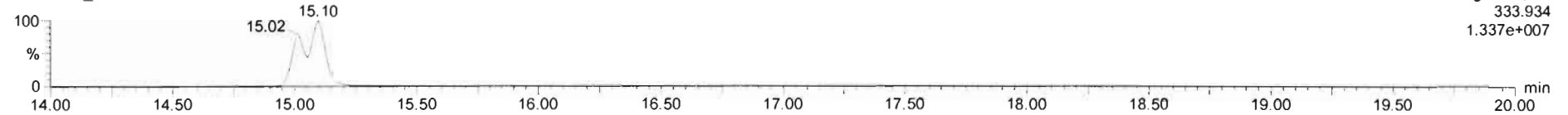
Name: 200130K1_21, Date: 31-Jan-2020, Time: 04:04:26, ID: 1903650-10RE1 PDI-092SC-B-00-02-191011 19.64, Description: PDI-092SC-B-00-02-191011

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

200130K1_21

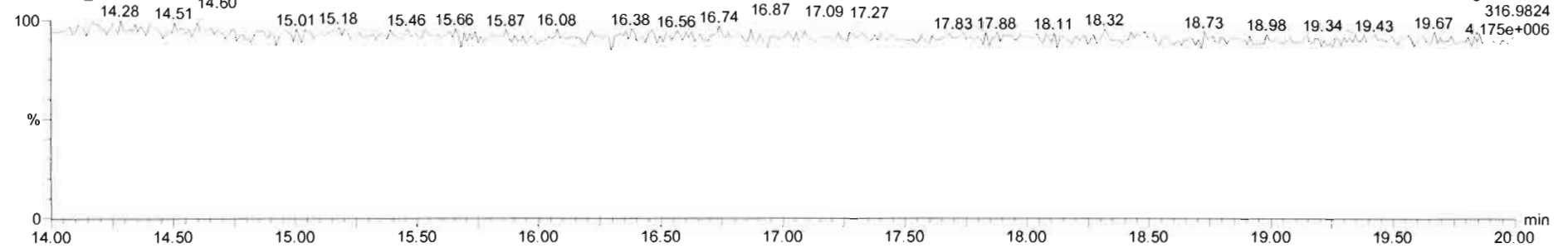


200130K1_21



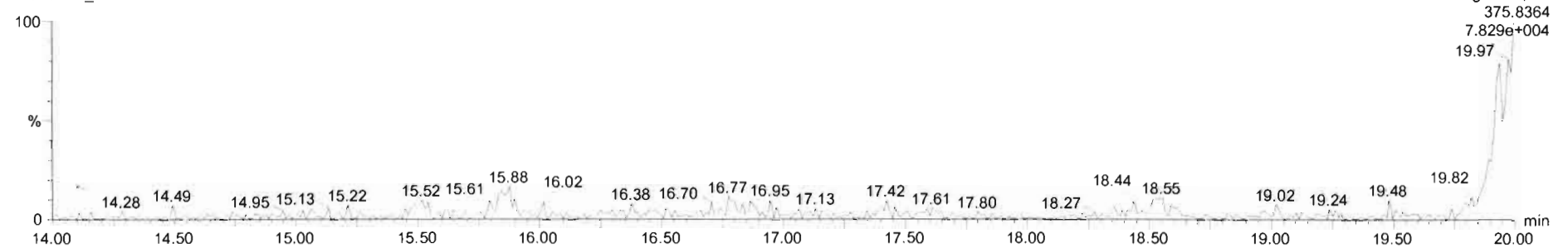
PFK1

200130K1_21



DPE1

200130K1_21



Dataset: U:\VG11.PRO\Results\200130K1\200130K1-22.qld

Last Altered: Friday, January 31, 2020 07:52:12 Pacific Standard Time

Printed: Friday, January 31, 2020 07:52:26 Pacific Standard Time

HZ 1-31-2020

CT 02/06/2020

Method: U:\VG11.PRO\MethDB\tcdf.mdb 31 Jan 2020 07:42:36

Calibration: U:\VG11.PRO\CurveDB\ldb225_1613TCDFvg11-1-30-20.cdb 31 Jan 2020 07:22:32

Name: 200130K1_22, Date: 31-Jan-2020, Time: 04:35:45, ID: 1903650-11RE1 PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011

#	Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	1.01e4	0.76	NO	1.00	10.008	✓16.37	1.0177		0.157
2	2 13C-2,3,7,8-TCDF	1.98e6	0.79	NO	1.07	10.008	16.34	138.29	69.2	0.250
3	3 13C-1,2,3,4-TCDF	2.68e6	0.79	NO	1.00	10.008	14.45	199.85	100	0.268
4	4 13C-1,2,3,4-TCDD	2.00e6	0.79	NO		10.008	15.10			

Dataset: Untitled

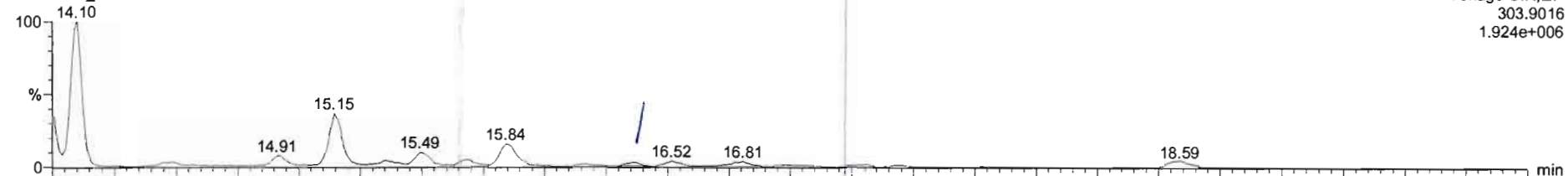
Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

Name: 200130K1_22, Date: 31-Jan-2020, Time: 04:35:45, ID: 1903650-11RE1 PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011

2,3,7,8-TCDF

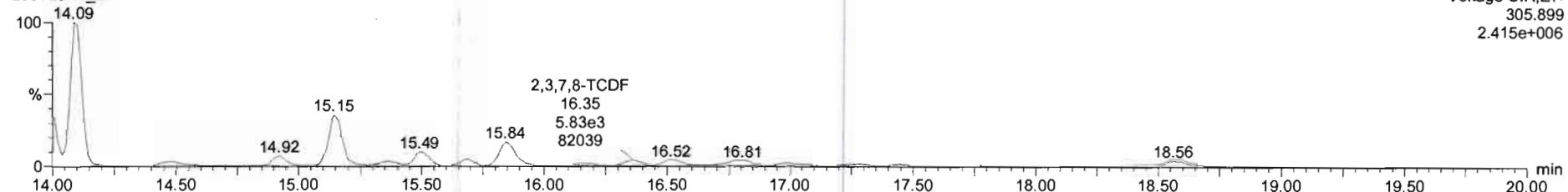
200130K1_22

Voltage SIR,EI+
303.9016
1.924e+006



200130K1_22

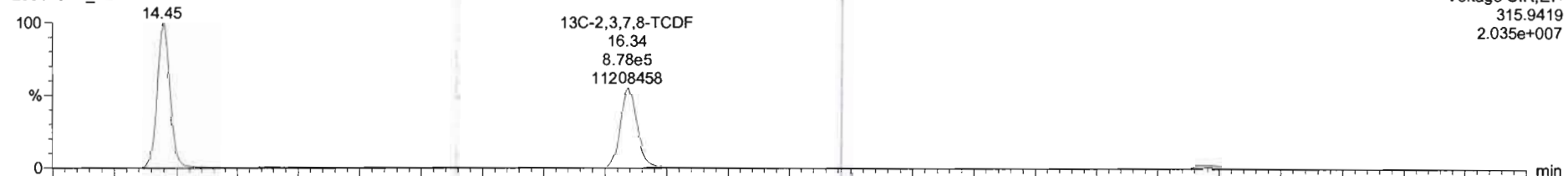
Voltage SIR,EI+
305.899
2.415e+006



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

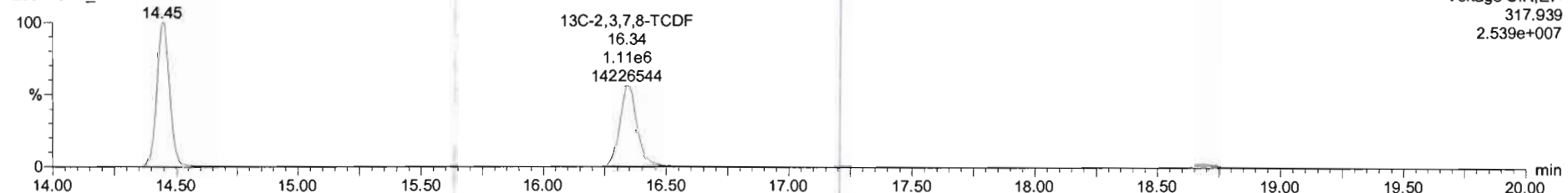
200130K1_22

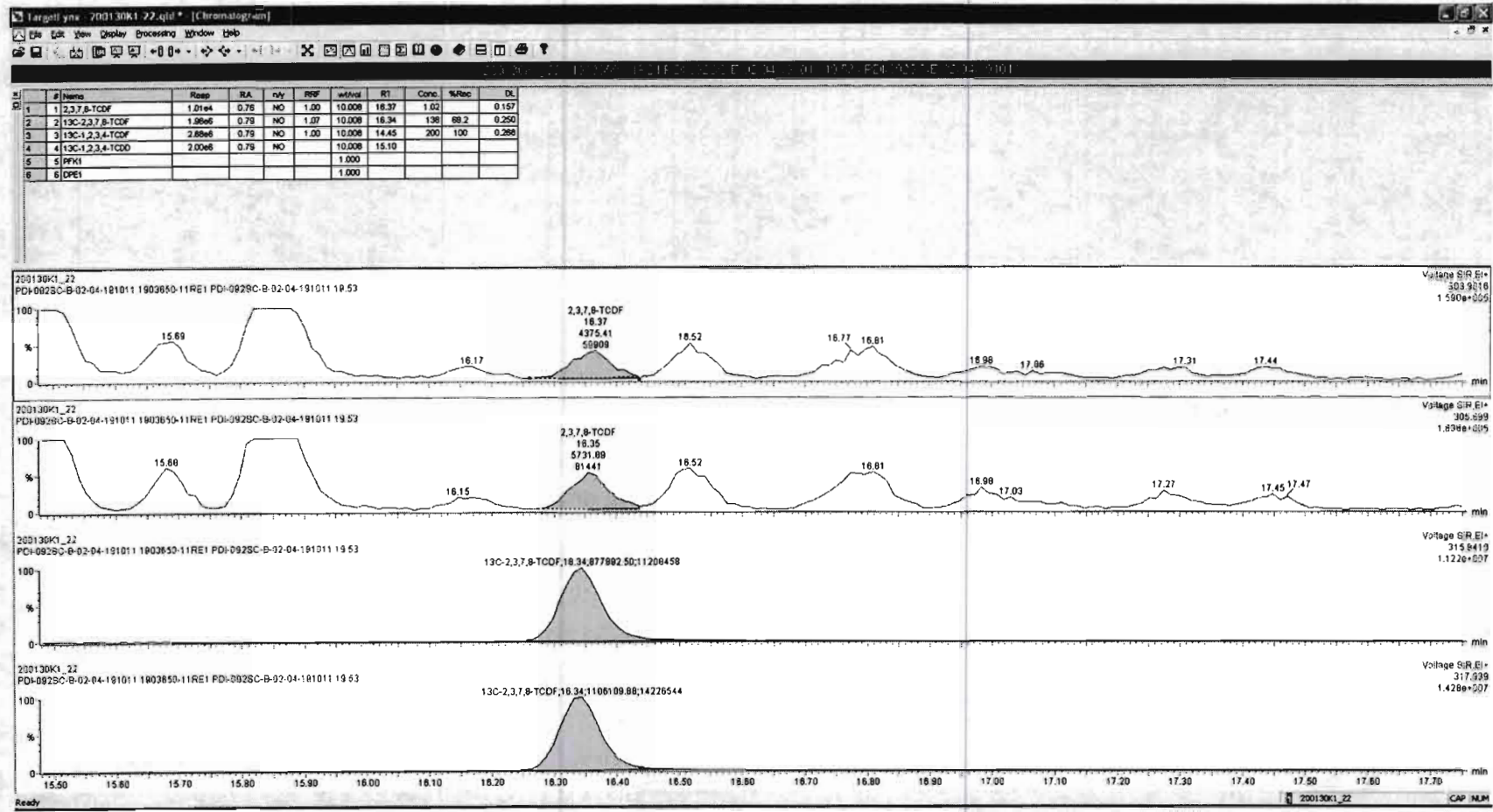
Voltage SIR,EI+
315.9419
2.035e+007



200130K1_22

Voltage SIR,EI+
317.939
2.539e+007





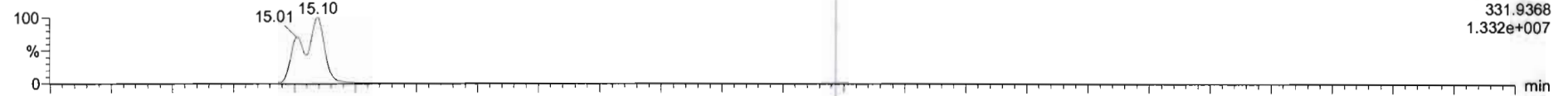
Dataset: Untitled

Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

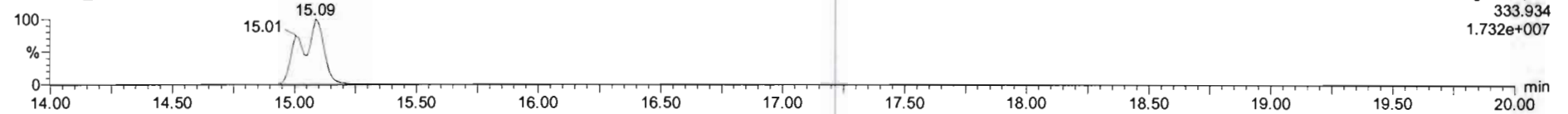
Name: 200130K1_22, Date: 31-Jan-2020, Time: 04:35:45, ID: 1903650-11RE1 PDI-092SC-B-02-04-191011 19.53, Description: PDI-092SC-B-02-04-191011

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

200130K1_22

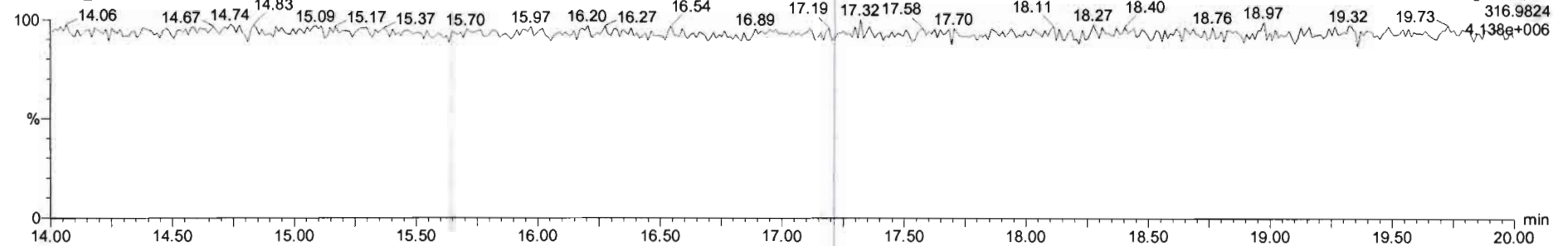


200130K1_22



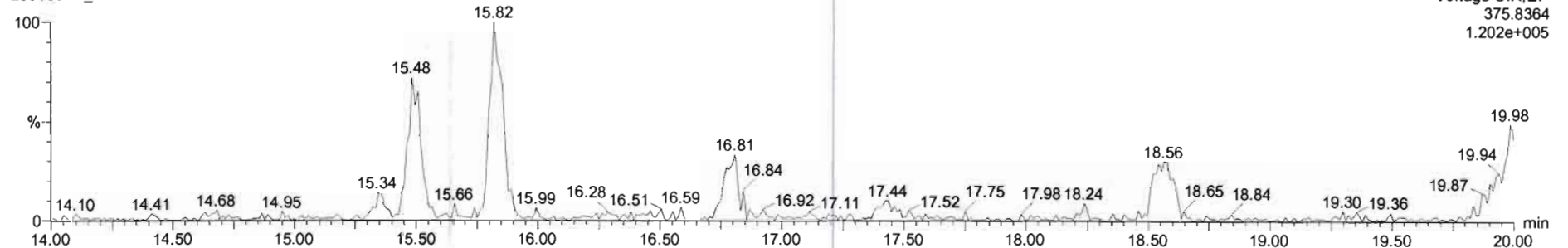
PFK1

200130K1_22



DPE1

200130K1_22



Dataset: U:\VG11.PRO\Results\200130K1\200130K1-23.qld

Last Altered: Friday, January 31, 2020 07:53:13 Pacific Standard Time

Printed: Friday, January 31, 2020 07:53:31 Pacific Standard Time

HC 1-31-2020

CT 02/11/2020

Method: U:\VG11.PRO\MethDB\tcdf.mdb 31 Jan 2020 07:42:36

Calibration: U:\VG11.PRO\CurveDB\db225_1613TCDFvg11-1-30-20.cdb 31 Jan 2020 07:22:32

Name: 200130K1_23, Date: 31-Jan-2020, Time: 05:07:04, ID: 1903650-12RE1 PDI-092SC-B-04-06-191011 17.8, Description: PDI-092SC-B-04-06-191011

#	Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	4.33e3	0.79	NO	1.00	10.003	16.35	0.45561		0.131
2	2 13C-2,3,7,8-TCDF	1.90e6	0.78	NO	1.07	10.003	16.34	135.40	67.7	0.213
3	3 13C-1,2,3,4-TCDF	2.62e6	0.79	NO	1.00	10.003	14.45	199.94	100	0.228
4	4 13C-1,2,3,4-TCDD	1.92e6	0.81	NO		10.003	15.10			

Dataset: Untitled

Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time

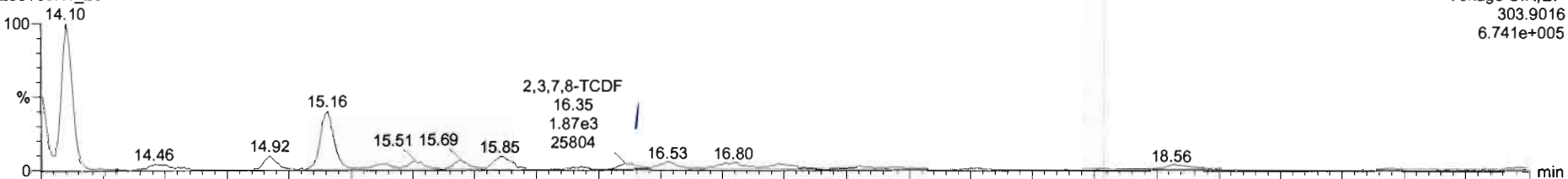
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

Name: 200130K1_23, Date: 31-Jan-2020, Time: 05:07:04, ID: 1903650-12RE1 PDI-092SC-B-04-06-191011 17.8, Description: PDI-092SC-B-04-06-191011

2,3,7,8-TCDF

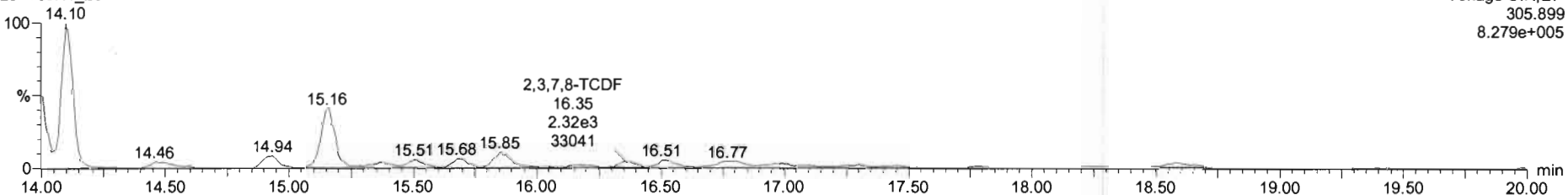
200130K1_23

Voltage SIR,EI+
303.9016
6.741e+005



200130K1_23

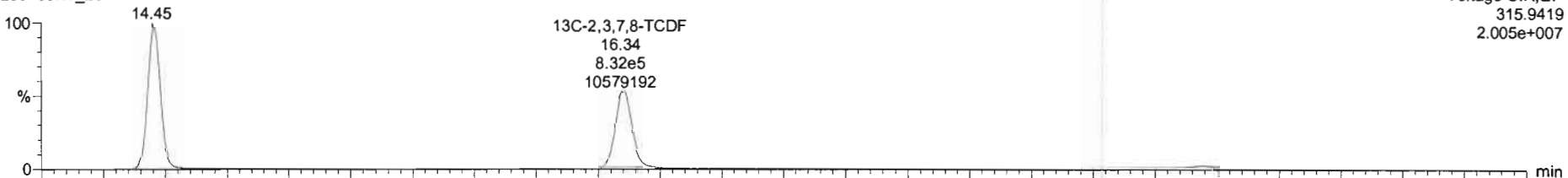
Voltage SIR,EI+
305.899
8.279e+005



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

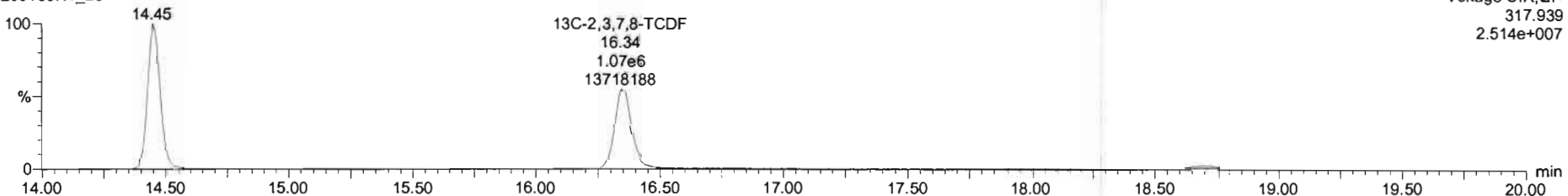
200130K1_23

Voltage SIR,EI+
315.9419
2.005e+007

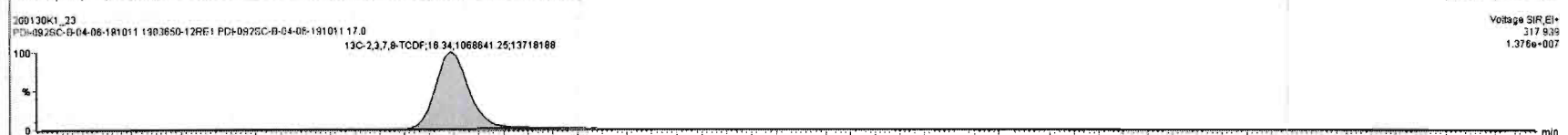
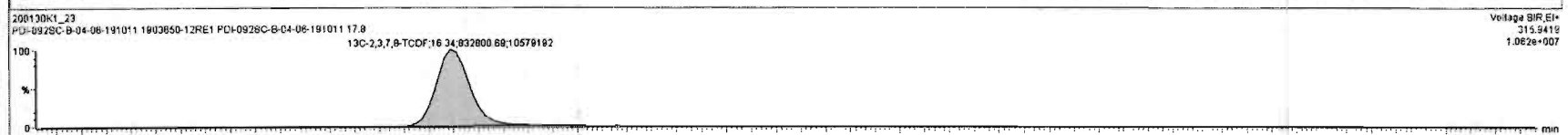
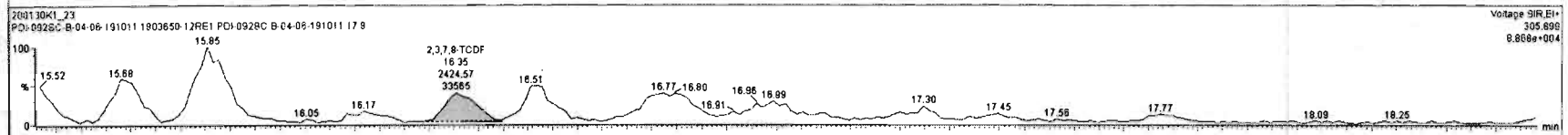
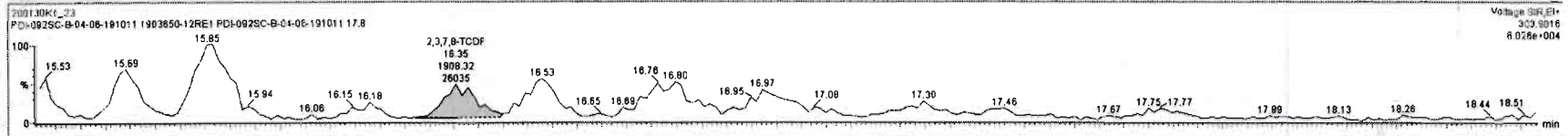


200130K1_23

Voltage SIR,EI+
317.939
2.514e+007



#	Name	Resp	RA	rvf	RRF	wMid	RT	Conc	%Rec	DL
1	2,3,7,8-TCDF	4.33e3	0.78	NO	1.00	10.003	16.35	0.456		0.131
2	13C-2,3,7,8-TCDF	1.90e6	0.78	NO	1.07	10.003	16.34	136	87.7	0.213
3	13C-1,2,3,4-TCDF	2.62e6	0.79	NO	1.00	10.003	14.45	200	100	0.228
4	13C-1,2,3,4-TCDD	1.92e6	0.81	NO		10.003	15.10			
5	S/PRK1							1.000		
6	S/DPE1							1.000		



Dataset: Untitled

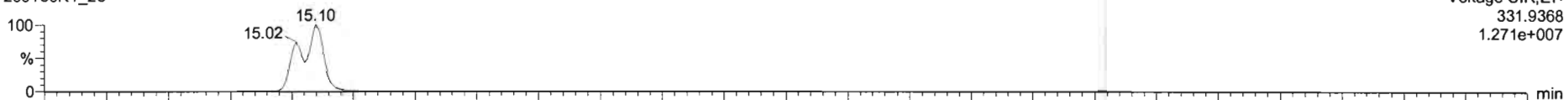
Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time

Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

Name: 200130K1_23, Date: 31-Jan-2020, Time: 05:07:04, ID: 1903650-12RE1 PDI-092SC-B-04-06-191011 17.8, Description: PDI-092SC-B-04-06-191011

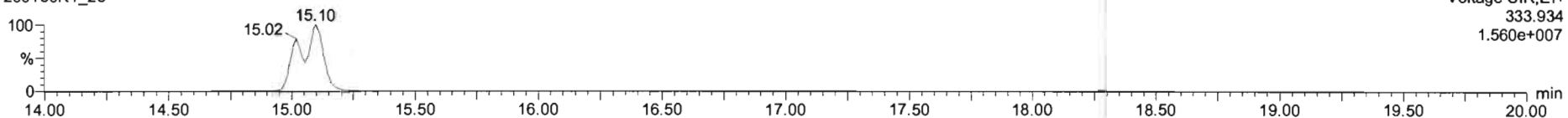
13C-1,2,3,4-TCDD

200130K1_23



Voltage SIR,EI+
331.9368
1.271e+007

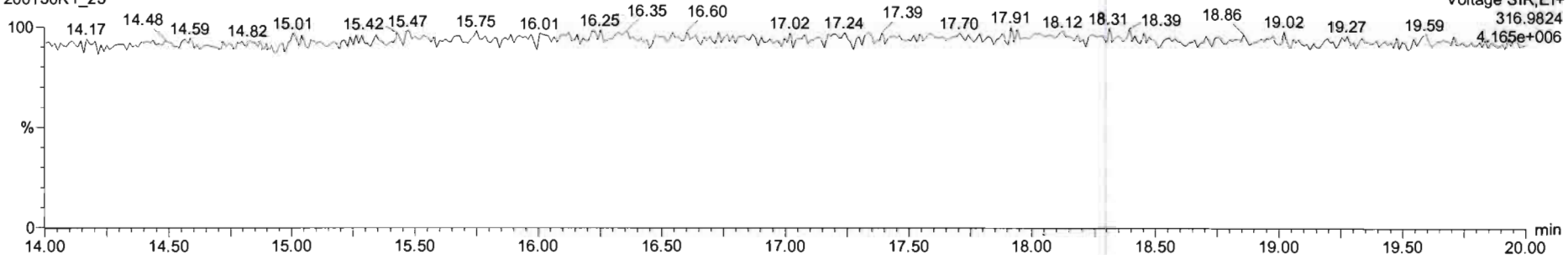
200130K1_23



Voltage SIR,EI+
333.934
1.560e+007

PFK1

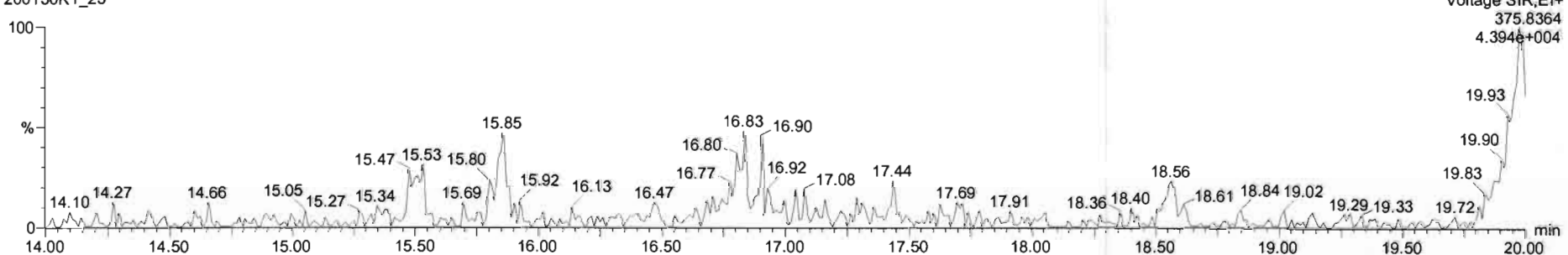
200130K1_23



Voltage SIR,EI+
316.9824
4.165e+006

DPE1

200130K1_23



Voltage SIR,EI+
375.8364
4.394e+004

CONTINUING CALIBRATION

HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: STZ00129K1-1

Reviewed By: OT 01/30/2020
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"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct ICAL referenced?	<u>HZ</u>	<u>↓</u>
<u>Run Log:</u>		
- Correct Instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Samples within 12 hour clock?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Bottle position verified?	<u>HZ</u>	<u>↓</u>

	<u>Beg.</u>	<u>End</u>
Mass resolution ≥	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614 1699 429 1613/1668/8280		
Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GC Break <20%		<input checked="" type="checkbox"/>
<u>8280 CS1 End Standard:</u>		
- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		<input checked="" type="checkbox"/>

Comments:

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-1.qld

Last Altered: Thursday, January 30, 2020 10:48:34 Pacific Standard Time
Printed: Thursday, January 30, 2020 10:48:50 Pacific Standard Time

Hz 1.30.2020

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19
Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_1, Date: 29-Jan-2020, Time: 15:11:43, ID: ST200129K1_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	4.60e4	5.03e5	0.76	NO	0.943	26.09	26.09	NO	1.001	1.001	9.7021	97.0	NO
2	2 1,2,3,7,8-PeCDD	1.32e5	3.19e5	0.62	NO	0.897	31.27	31.25	NO	1.001	1.000	46.185	92.4	NO
3	3 1,2,3,4,7,8-HxCDD	1.16e5	2.10e5	1.25	NO	1.17	34.59	34.59	NO	1.000	1.000	47.482	95.0	NO
4	4 1,2,3,6,7,8-HxCDD	1.34e5	2.73e5	1.22	NO	1.01	34.68	34.70	NO	1.000	1.001	48.743	97.5	NO
5	5 1,2,3,7,8,9-HxCDD	1.13e5	2.40e5	1.13	NO	0.982	35.00	34.98	NO	1.001	1.000	47.738	95.5	NO
6	6 1,2,3,4,6,7,8-HpCDD	8.53e4	1.75e5	1.05	NO	1.06	38.46	38.47	NO	1.000	1.001	45.963	91.9	NO
7	7 OCDD	1.64e5	3.28e5	0.91	NO	1.04	41.67	41.69	NO	1.000	1.001	95.752	95.8	NO
8	8 2,3,7,8-TCDF	6.98e4	7.33e5	0.80	NO	0.970	25.11	25.10	NO	1.001	1.001	9.8256	98.3	NO
9	9 1,2,3,7,8-PeCDF	2.36e5	5.24e5	1.61	NO	0.958	29.96	29.94	NO	1.001	1.000	47.106	94.2	NO
10	10 2,3,4,7,8-PeCDF	2.41e5	4.81e5	1.61	NO	1.01	30.96	30.95	NO	1.001	1.001	49.833	99.7	NO
11	11 1,2,3,4,7,8-HxCDF	1.87e5	3.39e5	1.27	NO	1.16	33.72	33.74	NO	1.000	1.000	47.337	94.7	NO
12	12 1,2,3,6,7,8-HxCDF	2.26e5	3.99e5	1.25	NO	1.14	33.86	33.86	NO	1.000	1.000	49.475	99.0	NO
13	13 2,3,4,6,7,8-HxCDF	2.07e5	3.46e5	1.27	NO	1.21	34.45	34.43	NO	1.001	1.000	49.434	98.9	NO
14	14 1,2,3,7,8,9-HxCDF	1.52e5	2.78e5	1.24	NO	1.13	35.29	35.31	NO	1.000	1.000	48.198	96.4	NO
15	15 1,2,3,4,6,7,8-HpCDF	1.52e5	2.72e5	1.01	NO	1.19	37.07	37.04	NO	1.001	1.000	47.012	94.0	NO
16	16 1,2,3,4,7,8,9-HpCDF	1.13e5	1.58e5	1.05	NO	1.39	39.07	39.07	NO	1.000	1.000	51.361	103	NO
17	17 OCDF	2.13e5	4.30e5	0.89	NO	1.06	41.87	41.88	NO	1.000	1.000	93.327	93.3	NO
18	18 13C-2,3,7,8-TCDD	5.03e5	4.40e5	0.79	NO	1.17	26.05	26.06	NO	1.027	1.028	97.581	97.6	NO
19	19 13C-1,2,3,7,8-PeCDD	3.19e5	4.40e5	0.62	NO	0.773	31.23	31.25	NO	1.232	1.232	93.828	93.8	NO
20	20 13C-1,2,3,4,7,8-HxCDD	2.10e5	3.82e5	1.32	NO	0.600	34.58	34.58	NO	1.014	1.014	91.530	91.5	NO
21	21 13C-1,2,3,6,7,8-HxCDD	2.73e5	3.82e5	1.27	NO	0.763	34.68	34.68	NO	1.017	1.017	93.477	93.5	NO
22	22 13C-1,2,3,7,8,9-HxCDD	2.40e5	3.82e5	1.29	NO	0.676	34.95	34.97	NO	1.025	1.025	92.908	92.9	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.75e5	3.82e5	1.05	NO	0.455	38.44	38.44	NO	1.127	1.127	100.39	100	NO
24	24 13C-OCDD	3.28e5	3.82e5	0.90	NO	0.371	41.67	41.67	NO	1.222	1.222	230.85	115	NO
25	25 13C-2,3,7,8-TCDF	7.33e5	7.62e5	0.77	NO	1.07	25.07	25.08	NO	0.989	0.989	89.907	89.9	NO
26	26 13C-1,2,3,7,8-PeCDF	5.24e5	7.62e5	1.59	NO	0.765	29.92	29.94	NO	1.180	1.181	89.808	89.8	NO
27	27 13C-2,3,4,7,8-PeCDF	4.81e5	7.62e5	1.62	NO	0.726	30.93	30.93	NO	1.220	1.220	86.909	86.9	NO
28	28 13C-1,2,3,4,7,8-HxCDF	3.39e5	3.82e5	0.52	NO	0.965	33.72	33.72	NO	0.989	0.989	91.918	91.9	NO
29	29 13C-1,2,3,6,7,8-HxCDF	3.99e5	3.82e5	0.53	NO	1.09	33.84	33.85	NO	0.992	0.992	95.397	95.4	NO
30	30 13C-2,3,4,6,7,8-HxCDF	3.46e5	3.82e5	0.53	NO	0.984	34.41	34.42	NO	1.009	1.009	91.920	91.9	NO
31	31 13C-1,2,3,7,8,9-HxCDF	2.78e5	3.82e5	0.51	NO	0.790	35.31	35.29	NO	1.035	1.035	92.024	92.0	NO

Dataset: U:\VG11.PRO\Results\200129K1\200129K1-1.qld

Last Altered: Thursday, January 30, 2020 10:48:34 Pacific Standard Time
Printed: Thursday, January 30, 2020 10:48:50 Pacific Standard Time

Name: 200129K1_1, Date: 29-Jan-2020, Time: 15:11:43, ID: ST200129K1_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	2.72e5	3.82e5	0.44	NO	0.734	37.02	37.03	NO	1.085	1.086	96.830	96.8	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.58e5	3.82e5	0.44	NO	0.459	39.04	39.07	NO	1.145	1.145	89.998	90.0	NO
34	34 13C-OCDF	4.30e5	3.82e5	0.89	NO	0.500	41.91	41.87	NO	1.229	1.227	224.60	112	NO
35	35 37Cl-2,3,7,8-TCDD	4.63e4	4.40e5			1.12	26.07	26.09	NO	1.028	1.029	9.3601	93.6	NO
36	36 13C-1,2,3,4-TCDD	4.40e5	4.40e5	0.77	NO	1.00	25.36	25.36	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	7.62e5	7.62e5	0.80	NO	1.00	23.43	23.45	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	3.82e5	3.82e5	0.51	NO	1.00	34.10	34.11	NO	1.000	1.000	100.00	100	NO

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time

Printed: Thursday, January 30, 2020 08:45:54 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

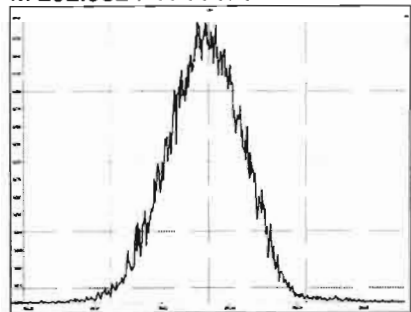
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	200129K1_1	ST200129K1_1 1613 CS3 19L2305	29-Jan-20	15:11:43
2	200129K1_2	B0A0018-BS1 OPR 10	29-Jan-20	16:01:26
3	200129K1_3	SOLVENT BLANK	29-Jan-20	16:48:16
4	200129K1_4	B0A0018-BLK1 Method Blank 10	29-Jan-20	17:36:49
5	200129K1_5	B0A0018-DUP1 Duplicate 17.02	29-Jan-20	18:26:06
6	200129K1_6	1903650-01 PDI-066SC-B-00-02-191011 20.04	29-Jan-20	19:14:43
7	200129K1_7	1903650-02 PDI-066SC-B-02-04-191011 18.62	29-Jan-20	20:02:42
8	200129K1_8	1903650-03 PDI-066SC-B-04-06-191011 17.42	29-Jan-20	20:50:02
9	200129K1_9	1903650-04 PDI-066SC-B-06-08-191011 17.42	29-Jan-20	21:38:23
10	200129K1_10	1903650-05 PDI-088SC-B-00-02-191011 18.64	29-Jan-20	22:28:07
11	200129K1_11	1903650-06 PDI-088SC-B-02-04-191011 16.96	29-Jan-20	23:16:07
12	200129K1_12	1903650-07 PDI-088SC-B-04-06-191011 17.43	30-Jan-20	00:03:24
13	200129K1_13	1903650-08 PDI-088SC-B-06-08-191011 16.73	30-Jan-20	00:51:44
14	200129K1_14	1903650-09 PDI-1088SC-B-04-06-191011 17.44	30-Jan-20	01:41:20
15	200129K1_15	1903650-10 PDI-092SC-B-00-02-191011 19.64	30-Jan-20	02:29:25

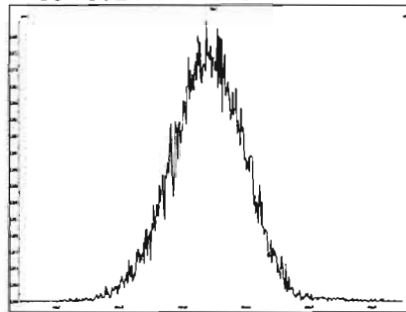
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, January 29, 2020 15:07:18 Pacific Standard Time

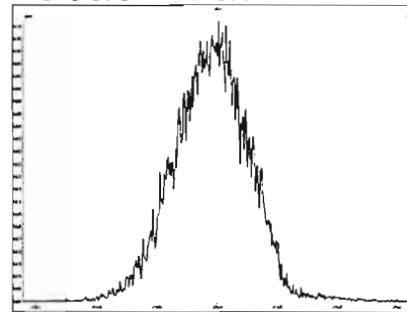
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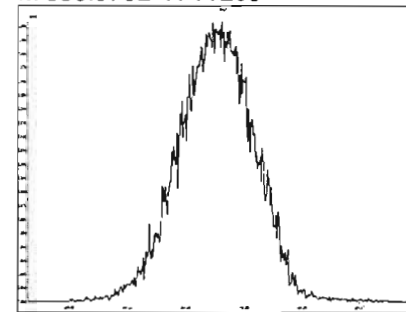
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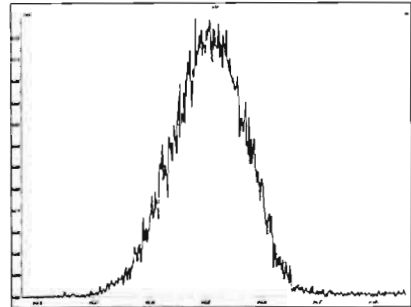
M 318.9792 R 11677



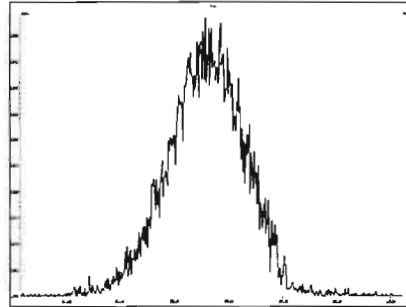
M 330.9792 R 11209



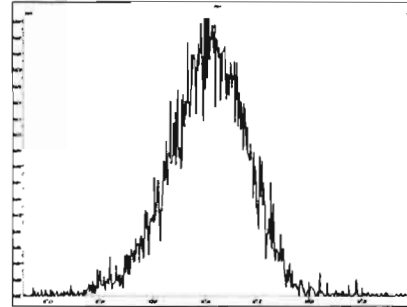
M 342.9792 R 11625



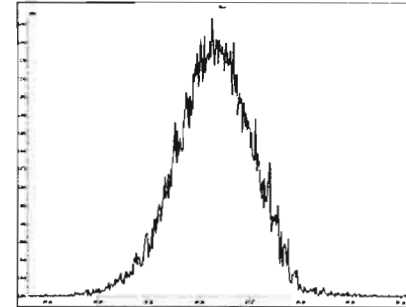
M 354.9792 R 11905



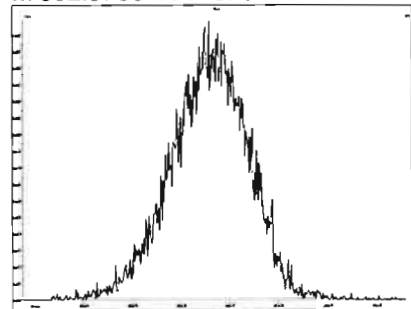
M 366.9792 R 11847



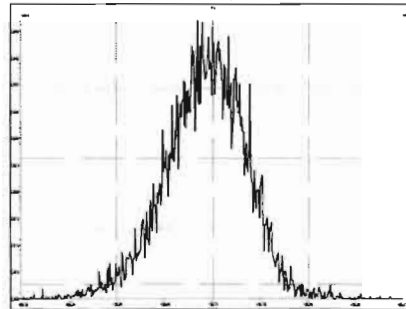
M 380.9760 R 10595



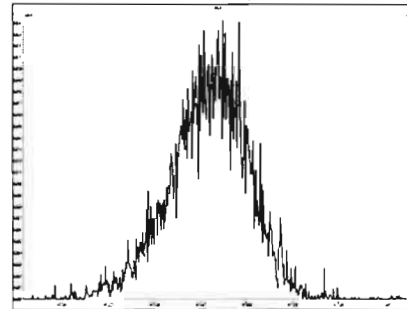
M 392.9760 R 11570



M 404.9760 R 11904



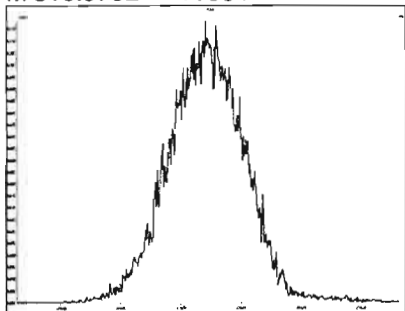
M 416.9760 R 12318



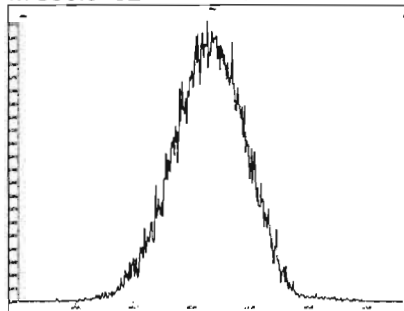
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, January 29, 2020 15:08:20 Pacific Standard Time

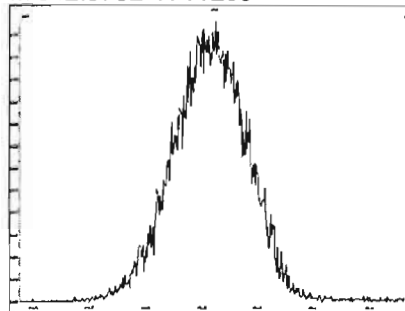
M 318.9792 R 11684



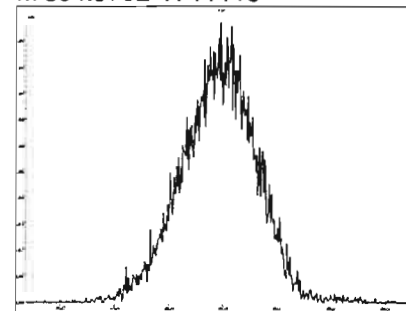
M 330.9792 R 11261



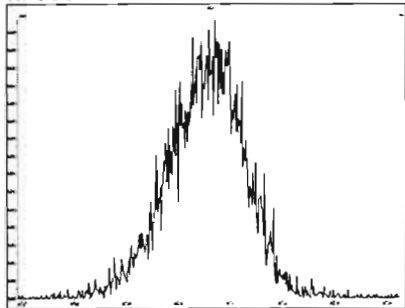
M 342.9792 R 11265



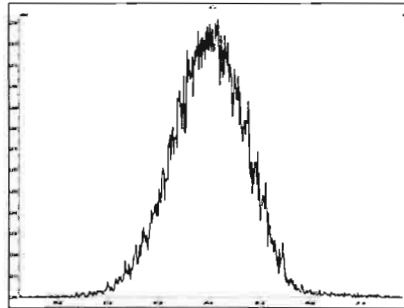
M 354.9792 R 11113



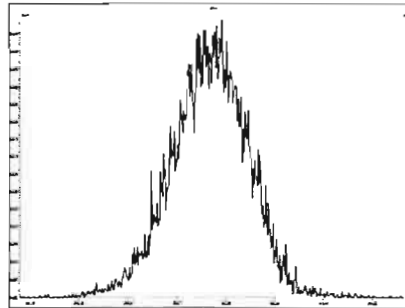
M 366.9792 R 11161



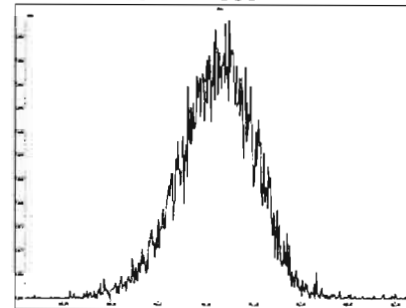
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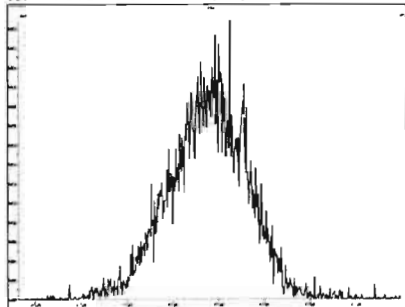
M 392.9760 R 11209



M 404.9760 R 11683



M 416.9760 R 11848



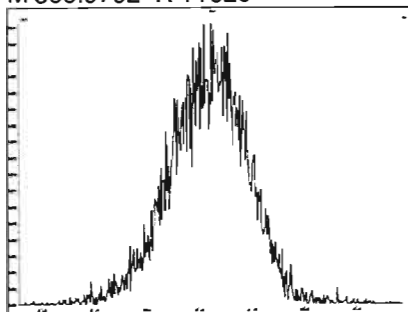
Experiment Calibration Report

MassLynx 4.1 SCN815

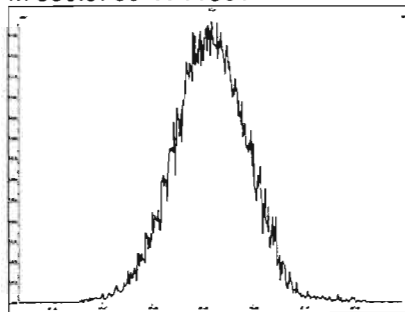
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, January 29, 2020 15:09:37 Pacific Standard Time

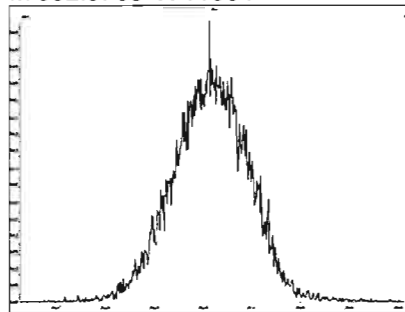
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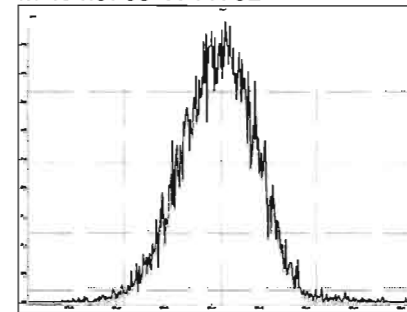
M 380.9760 R 11361



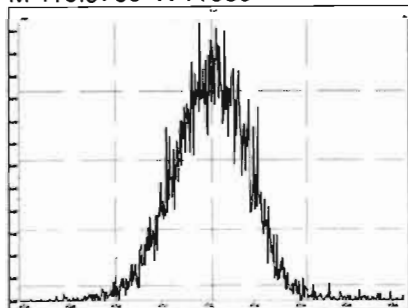
M 392.9760 R 11364



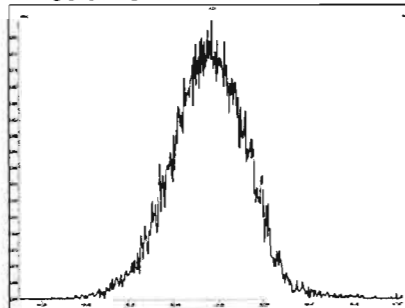
M 404.9760 R 11792



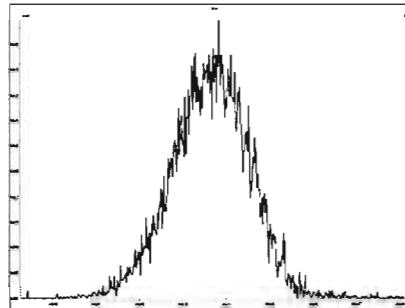
M 416.9760 R 11959



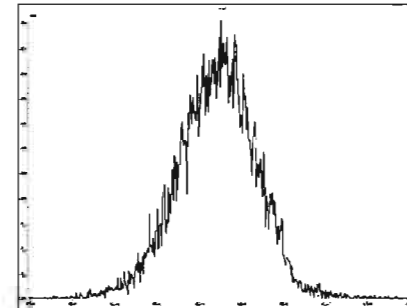
M 430.9728 R 11417



M 442.9728 R 11062



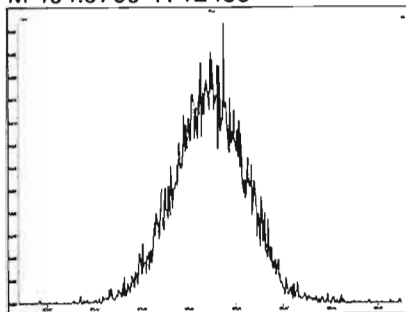
M 454.9728 R 11795



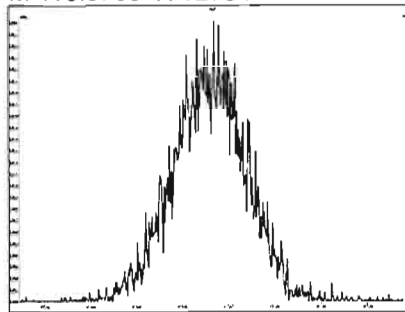
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Wednesday, January 29, 2020 15:10:21 Pacific Standard Time

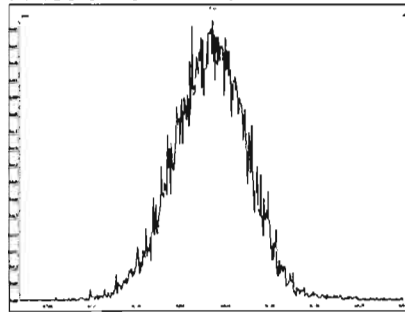
M 404.9760 R 12438



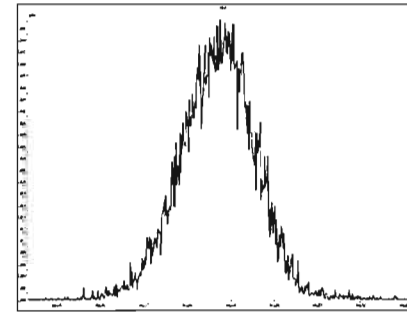
M 416.9760 R 12754



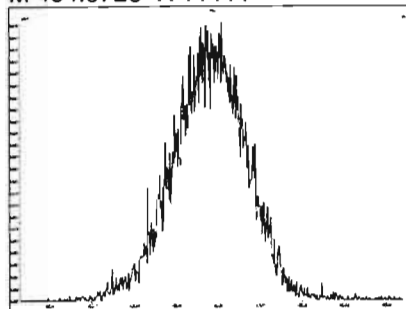
M 430.9728 R 11159



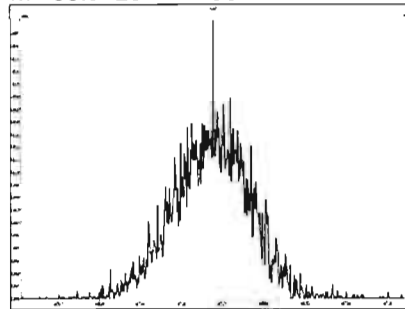
M 442.9728 R 11963



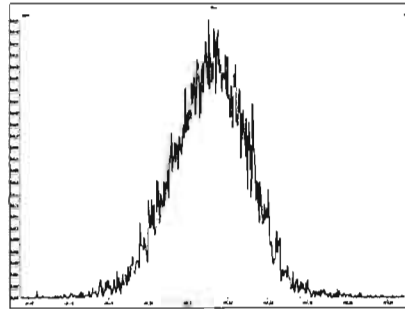
M 454.9728 R 11111



M 466.9728 R 11904



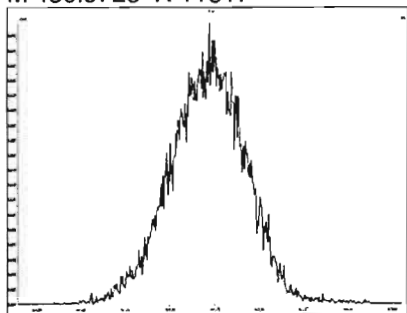
M 480.9696 R 11310



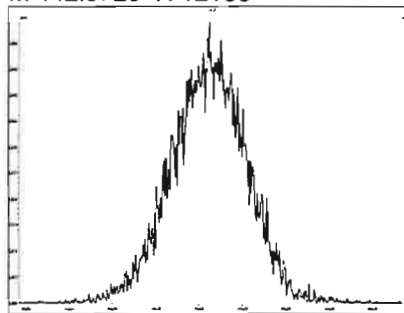
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Wednesday, January 29, 2020 15:11:20 Pacific Standard Time

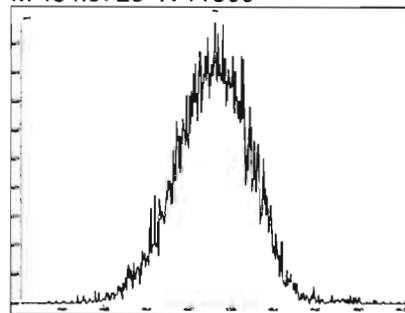
M 430.9728 R 11517



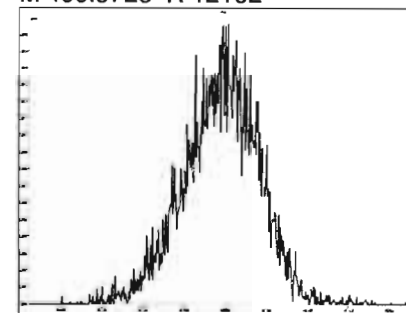
M 442.9728 R 12135



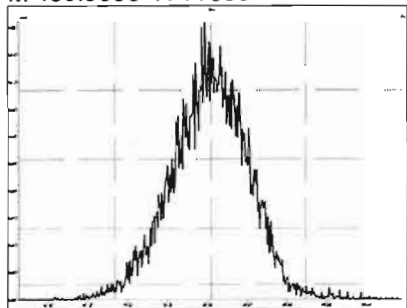
M 454.9728 R 11366



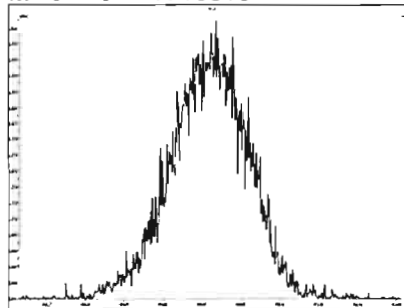
M 466.9728 R 12192



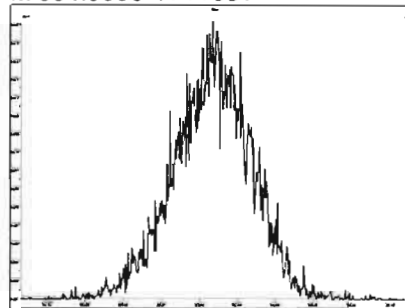
M 480.9696 R 11683



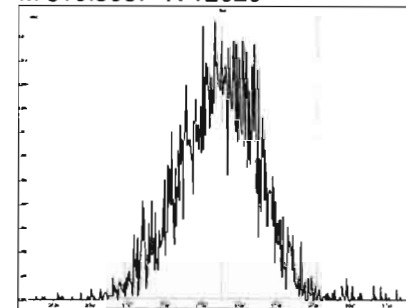
M 492.9696 R 10916



M 504.9696 R 11681



M 516.9697 R 12020



Dataset: Untitled

Last Altered: Thursday, January 30, 2020 10:49:42 Pacific Standard Time

Printed: Thursday, January 30, 2020 10:50:06 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\CPSM.mdb 18 Dec 2019 17:58:17

Calibration: U:\VG11.PRO\CurveDB\ldb5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K1_1, Date: 29-Jan-2020, Time: 15:11:43, ID: ST200129K1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1 1,3,6,8-TCDD (First)	21.73
2	2 1,2,8,9-TCDD (Last)	27.12
3	3 1,2,4,7,9-PeCDD (First)	28.99
4	4 1,2,3,8,9-PeCDD (Last)	31.65
5	5 1,2,4,6,7,9-HxCDD (First)	33.13
6	6 1,2,3,7,8,9-HxCDD (Last)	34.98
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.42
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.47
9	9 1,3,6,8-TCDF (First)	19.69
10	10 1,2,8,9-TCDF (Last)	27.27
11	11 1,3,4,6,8-PeCDF (First)	27.25
12	12 1,2,3,8,9-PeCDF (Last)	31.87
13	13 1,2,3,4,6,8-HxCDF (First)	32.60
14	14 1,2,3,7,8,9-HxCDF (Last)	35.31
15	15 1,2,3,4,6,7,8-HpCDF (First)	37.04
16	16 1,2,3,4,7,8,9-HpCDF (Last)	39.07

Dataset: Untitled

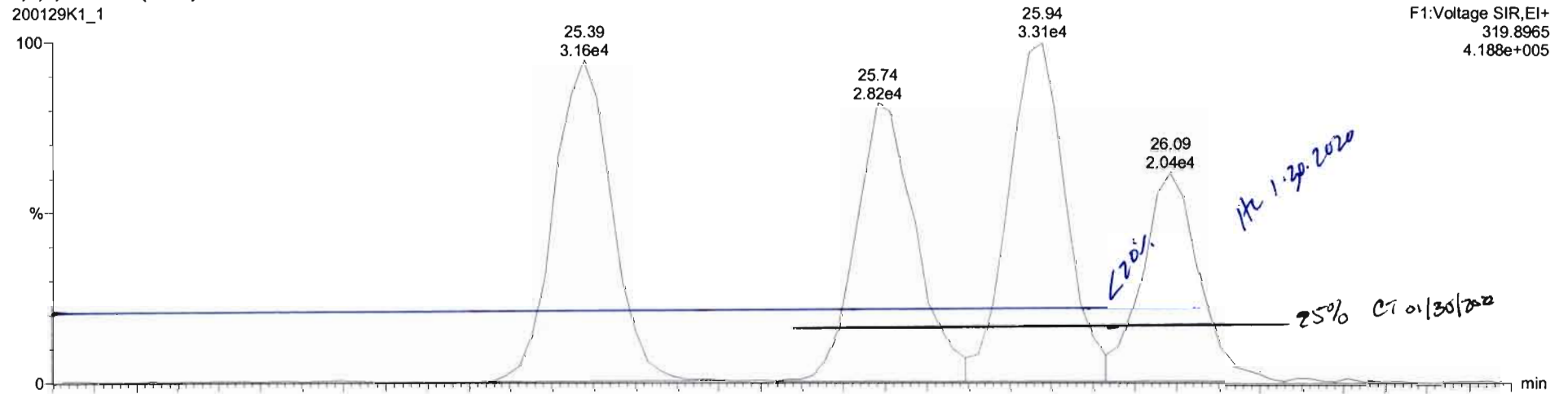
Last Altered: Thursday, January 30, 2020 10:49:42 Pacific Standard Time
Printed: Thursday, January 30, 2020 10:50:06 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\CPSM.mdb 18 Dec 2019 17:58:17
Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

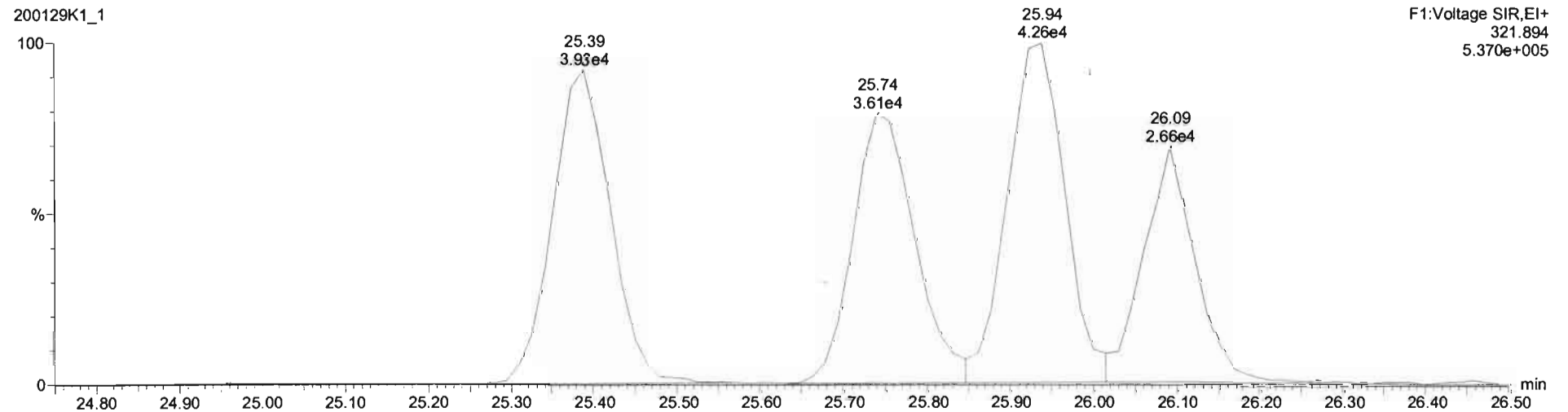
Name: 200129K1_1, Date: 29-Jan-2020, Time: 15:11:43, ID: ST200129K1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,3,6,8-TCDD (First)

200129K1_1



200129K1_1



Dataset: Untitled

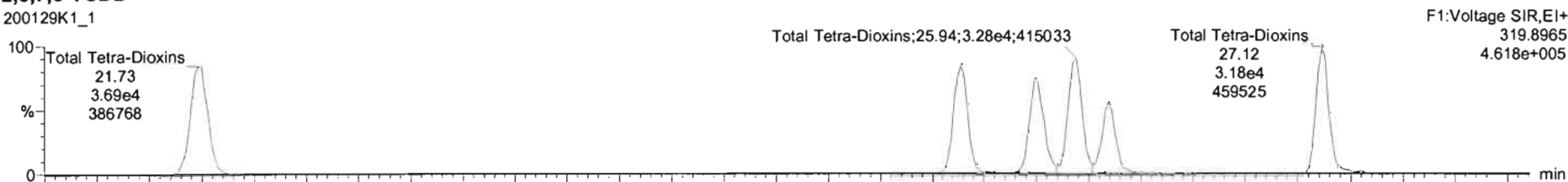
Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time
Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19
Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

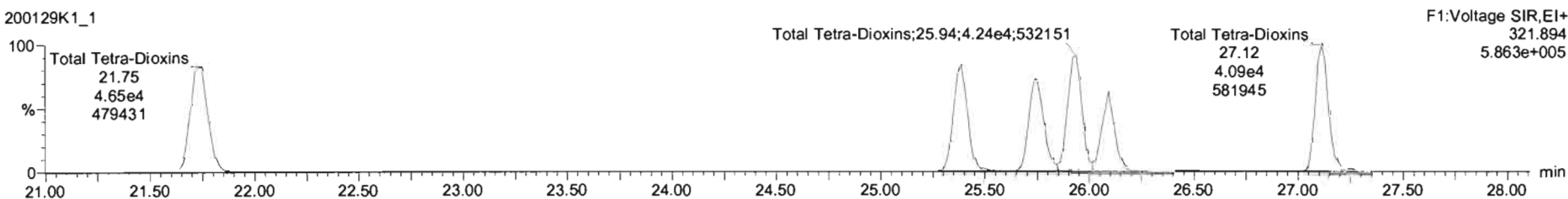
Name: 200129K1_1, Date: 29-Jan-2020, Time: 15:11:43, ID: ST200129K1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDD

200129K1_1

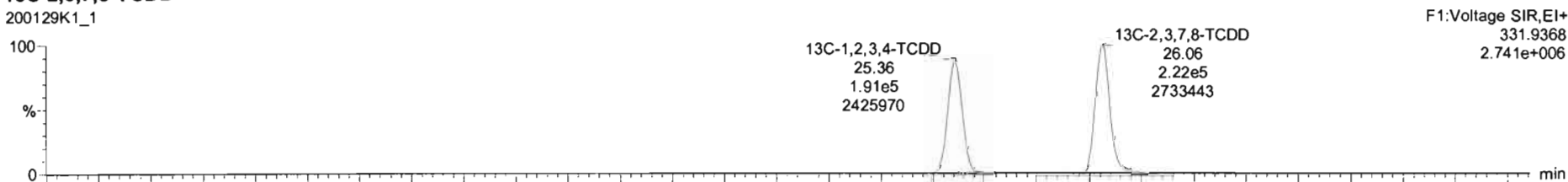


200129K1_1

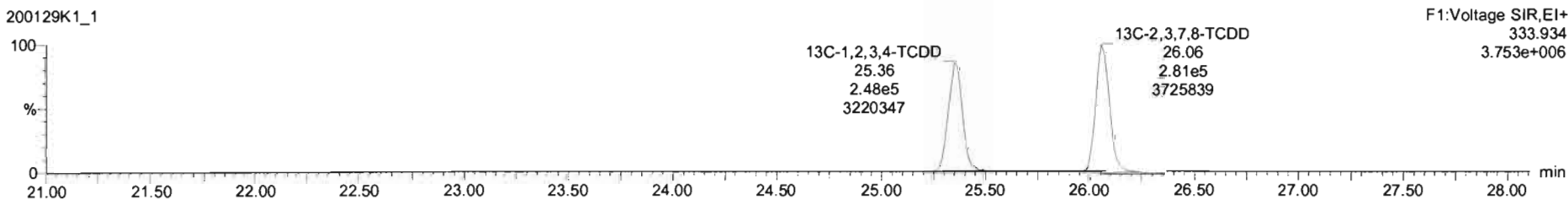


13C-2,3,7,8-TCDD

200129K1_1



200129K1_1



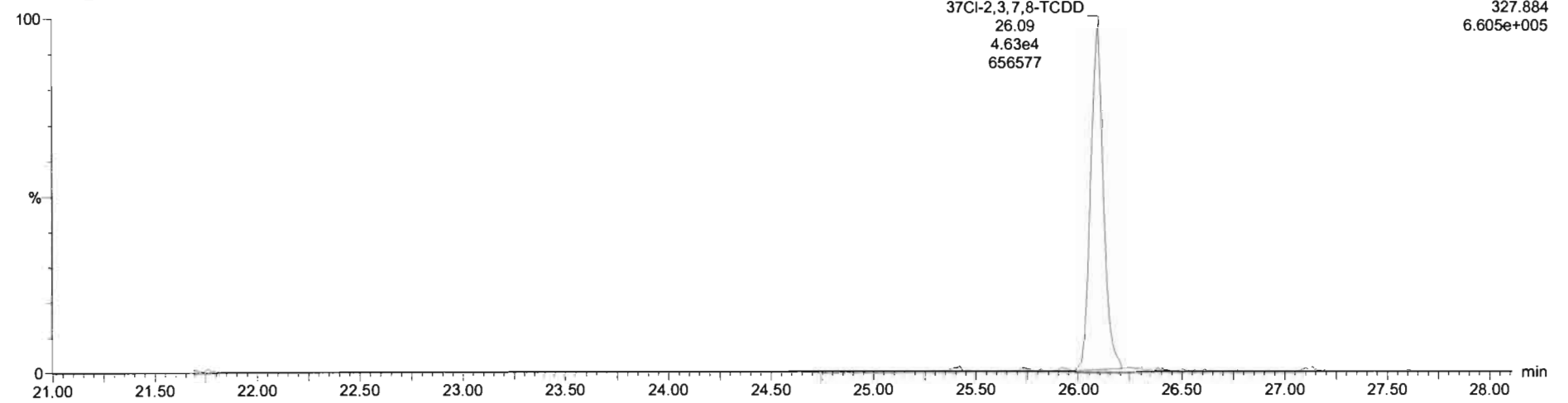
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Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time
Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

Name: 200129K1_1, Date: 29-Jan-2020, Time: 15:11:43, ID: ST200129K1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

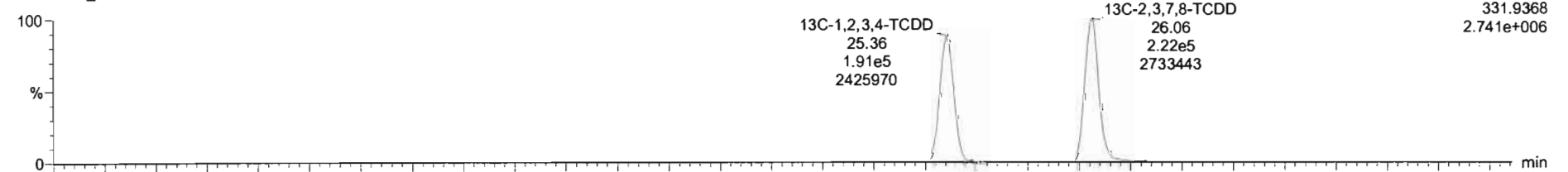
37Cl-2,3,7,8-TCDD

200129K1_1

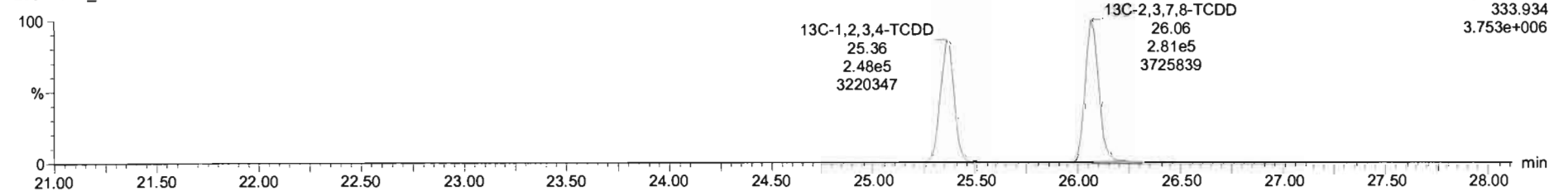


13C-1,2,3,4-TCDD

200129K1_1



200129K1_1



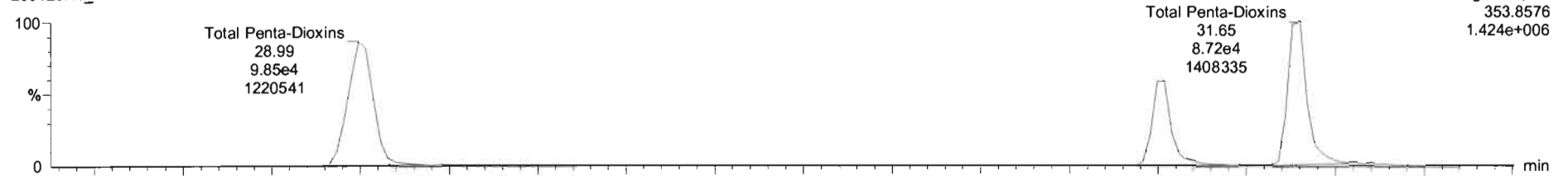
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Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time
Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

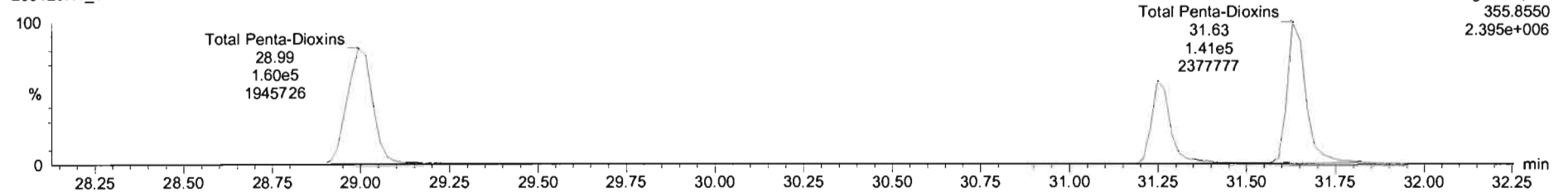
Name: 200129K1_1, Date: 29-Jan-2020, Time: 15:11:43, ID: ST200129K1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,2,3,7,8-PeCDD

200129K1_1

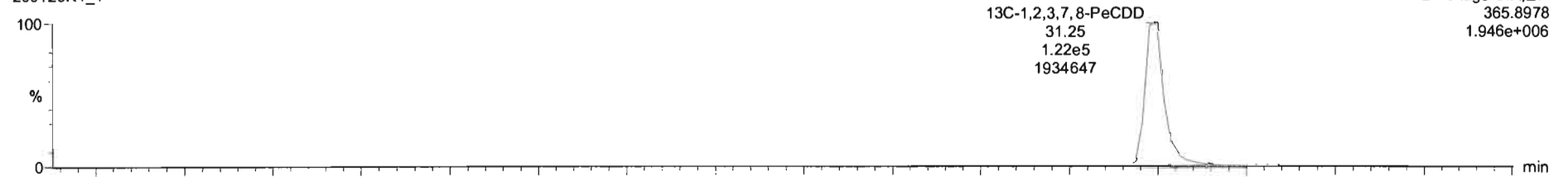


200129K1_1

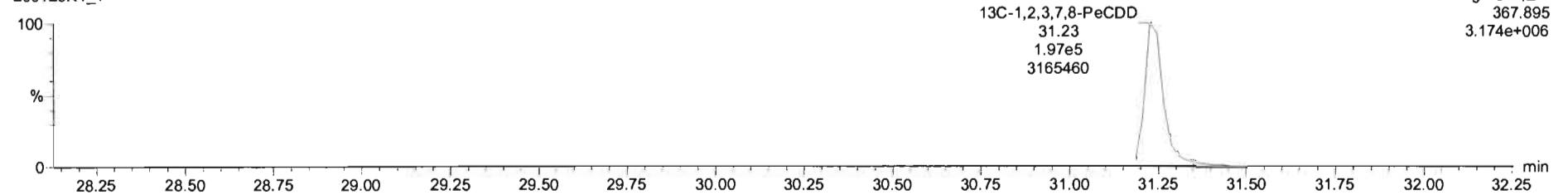


13C-1,2,3,7,8-PeCDD

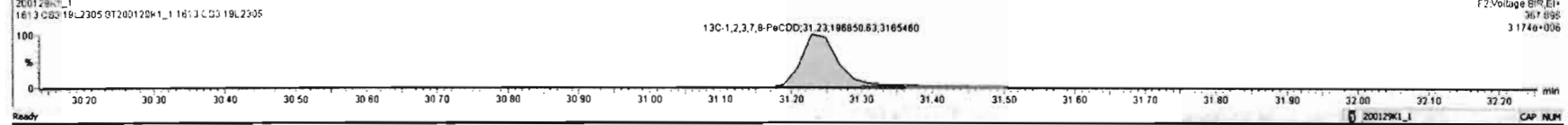
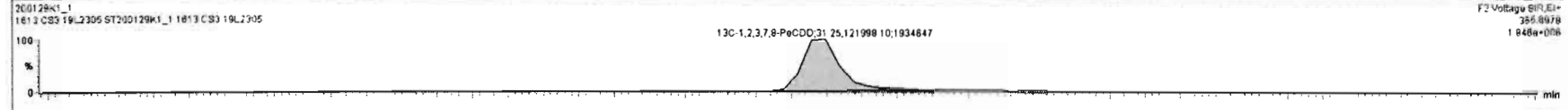
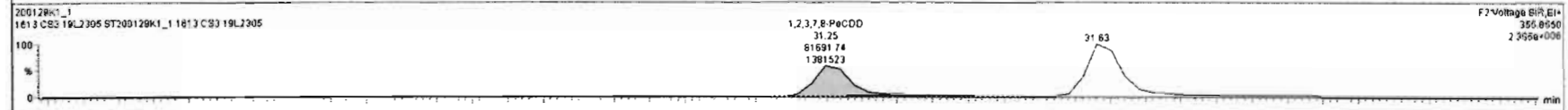
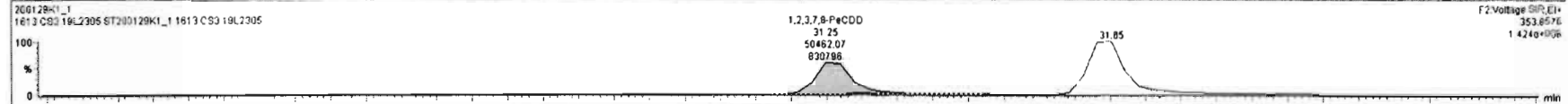
200129K1_1



200129K1_1



#	Name	Resp	IS Resp	Prod RA	RA	n/y	RF	Prod RT	RT	RT Flag	Prod RRT	RRT	Conc.	%Rec	STD out
1	1,2,3,7,8-TCDD	4.00e4	5.03e5	0.77	0.76	NO	0.9431	26.09	26.09	NO	1.001	1.001	9.70	97.0	NO
2	1,2,3,7,8-PeCDD	1.20e5	3.19e5	0.83	0.82	NO	0.8974	31.27	31.25	NO	1.001	1.000	46.2	82.4	NO
3	1,2,3,4,7,8-HxCDD	1.16e5	2.10e5	1.24	1.25	NO	1.1680	34.59	34.58	NO	1.000	1.000	47.5	85.0	NO
4	1,2,3,6,7,8-HxCDD	1.40e5	2.88e5	1.24	1.18	NO	1.0068	34.68	34.70	NO	1.000	1.001	48.4	96.8	NO
5	1,2,3,7,8,9-HxCDD	1.22e5	2.46e5	1.24	1.11	NO	0.9820	35.00	34.98	NO	1.001	1.000	51.8	104	NO
6	1,2,3,4,6,7,8-HxCDD	9.05e4	1.79e5	1.04	1.02	NO	1.0622	39.48	39.47	NO	1.000	1.001	47.7	85.3	NO
7	OCDD	1.92e5	3.71e5	0.89	0.92	NO	1.0440	41.67	41.69	NO	1.000	1.001	99.4	99.4	NO
8	2,3,7,8-TCDF	6.98e4	7.33e5	0.77	0.80	NO	0.9700	25.11	25.10	NO	1.001	1.001	9.83	98.3	NO
9	1,2,3,7,8-PeCDF	2.36e5	5.24e5	1.55	1.61	NO	0.9560	29.86	29.94	NO	1.001	1.000	47.1	94.2	NO
10	2,3,4,7,8-PeCDF	2.41e5	4.81e5	1.55	1.61	NO	1.0074	30.86	30.95	NO	1.001	1.001	49.8	99.7	NO
11	1,2,3,4,7,8-HxCDF	1.67e5	3.36e5	1.24	1.27	NO	1.1632	33.72	33.74	NO	1.000	1.000	47.3	94.7	NO
12	1,2,3,6,7,8-HxCDF	2.76e5	3.99e5	1.24	1.25	NO	1.1431	33.86	33.86	NO	1.000	1.000	49.5	99.0	NO
13	2,3,4,6,7,8-HxCDF	2.07e5	3.46e5	1.24	1.27	NO	1.2131	34.45	34.43	NO	1.001	1.000	49.4	98.9	NO
14	1,2,3,7,8,9-HxCDF	1.59e5	2.93e5	1.24	1.25	NO	1.1349	35.29	35.31	NO	1.000	1.000	47.7	95.5	NO
15	1,2,3,4,6,7,8-HxCDF	1.83e5	2.79e5	1.04	1.02	NO	1.1891	37.07	37.04	NO	1.001	1.000	49.2	98.4	NO
16	1,2,3,4,7,8,9-HxCDF	1.18e5	1.77e5	1.04	1.11	NO	1.3896	38.07	38.07	NO	1.000	1.000	47.7	95.4	NO
17	OCDF	2.44e5	4.82e5	0.89	0.87	NO	1.0614	41.87	41.88	NO	1.000	1.000	95.5	95.5	NO
18	13C-2,3,7,8-TCDD	5.03e5	4.40e5	0.77	0.78	NO	1.1733	26.05	26.05	NO	1.027	1.028	97.8	97.8	NO
19	13C-1,2,3,7,8-PeCDD	3.19e5	4.40e5	0.53	0.52	NO	0.7731	31.23	31.25	NO	1.232	1.232	93.8	93.8	NO



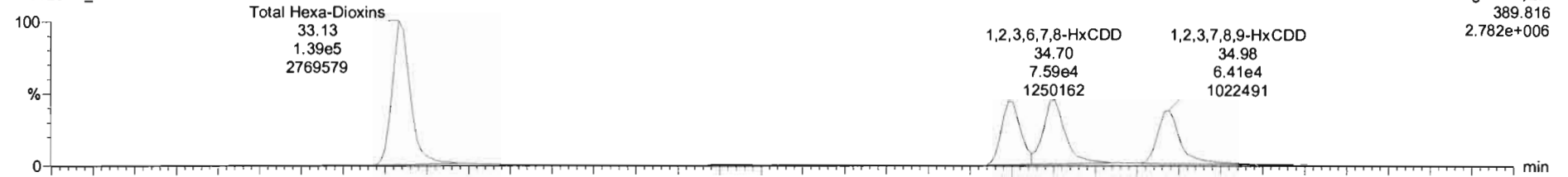
Dataset: Untitled

Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time
Printed: Thursday, January 30, 2020 08:47:16 Pacific Standard Time

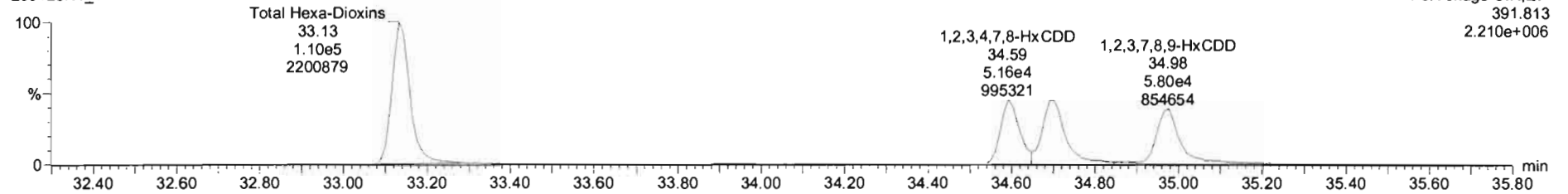
Name: 200129K1_1, Date: 29-Jan-2020, Time: 15:11:43, ID: ST200129K1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200129K1_1

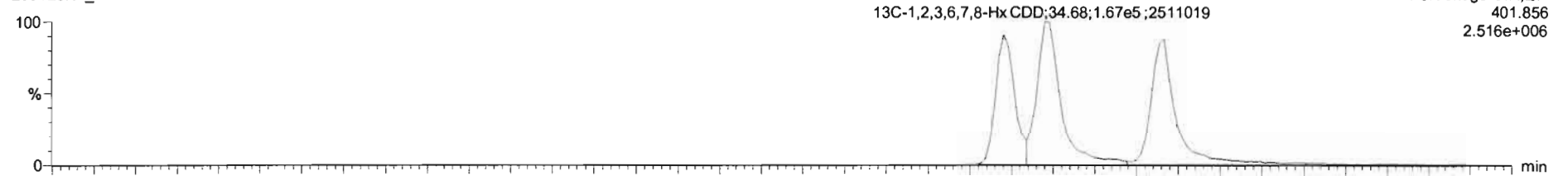


200129K1_1

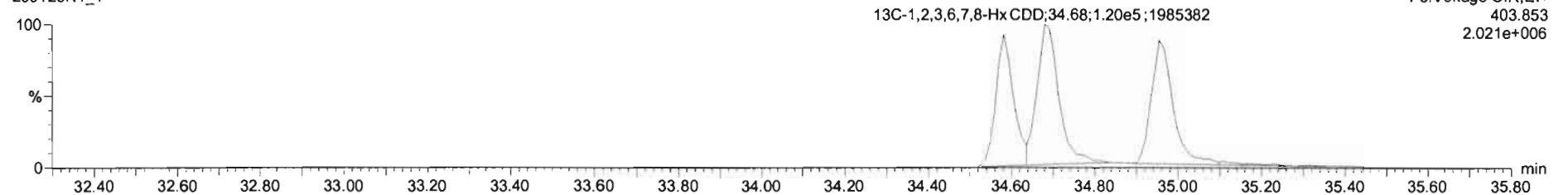


13C-1,2,3,4,7,8-HxCDD

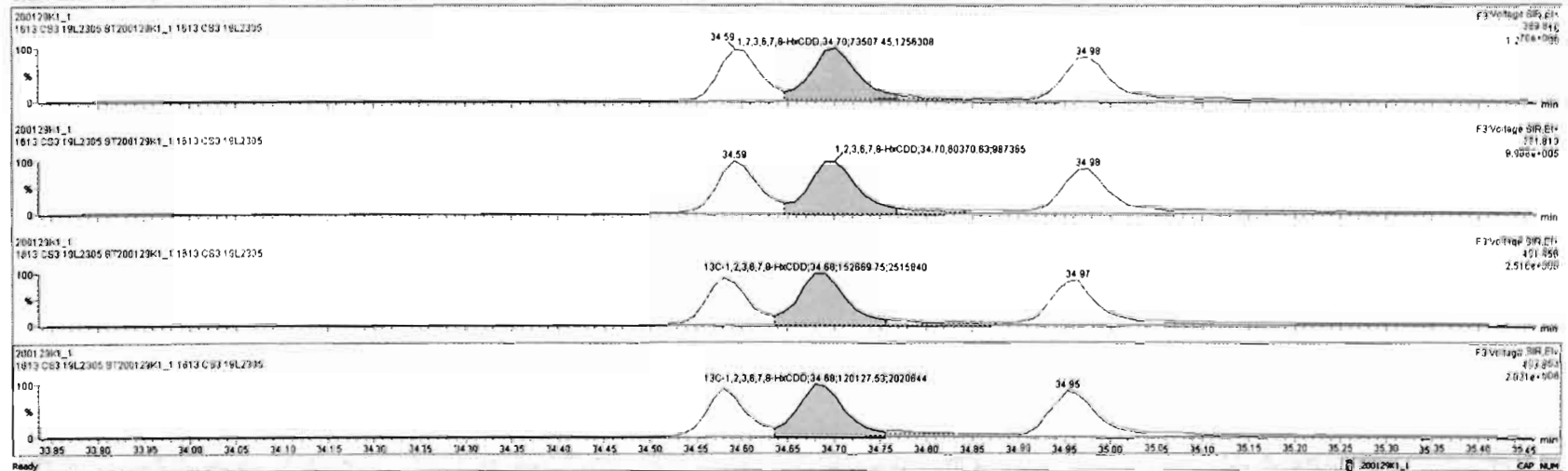
200129K1_1



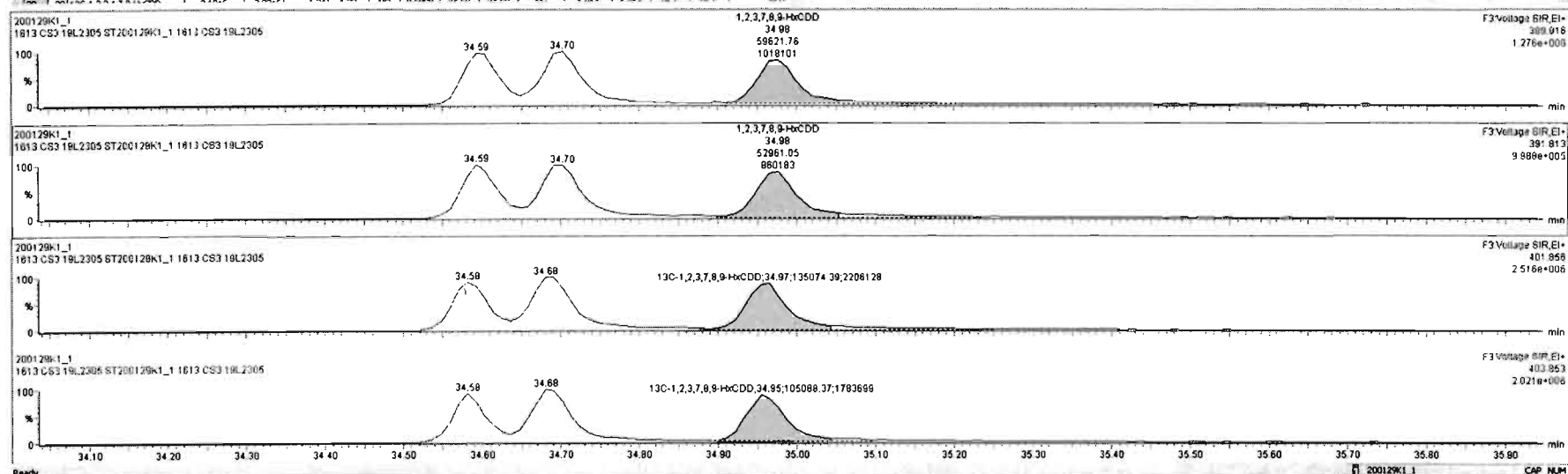
200129K1_1



#	Name	Resp	IS Resp	Prod RA	RA	nly	RPF	Prod RT	RT	RT Flag	Prod RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	4.60e4	5.03e5	0.77	0.76	NO	0.9431	26.09	26.09	NO	1.001	1.001	9.70	97.0	NO
2	1,2,3,7,8-PeCDD	1.32e5	3.19e5	0.63	0.62	NO	0.9874	31.27	31.25	NO	1.001	1.000	46.2	92.4	NO
3	1,2,3,4,7,8-HxCDD	1.16e5	2.10e5	1.24	1.25	NO	1.1600	34.59	34.59	NO	1.000	1.000	47.5	95.0	NO
4	1,2,3,6,7,8-HxCDD	1.94e5	2.73e5	1.24	1.22	NO	1.0088	34.89	34.70	NO	1.000	1.001	48.7	97.5	NO
5	1,2,3,7,8,9-HxCDD	1.23e5	2.40e5	1.24	1.11	NO	0.9620	35.00	34.95	NO	1.001	1.000	51.9	104	NO
6	1,2,3,4,6,7,8-HpCDD	9.06e4	1.79e5	1.04	1.02	NO	1.0822	38.48	38.47	NO	1.000	1.001	47.7	95.3	NO
7	OCDF	1.92e5	3.71e5	0.86	0.82	NO	1.0440	41.67	41.69	NO	1.000	1.001	98.4	99.4	NO
8	2,3,7,8-TCDF	8.98e4	7.33e5	0.77	0.80	NO	0.9700	26.11	26.10	NO	1.001	1.001	9.80	98.3	NO
9	1,2,3,7,8-PeCDF	2.36e5	5.24e5	1.55	1.61	NO	0.9580	29.96	29.94	NO	1.001	1.000	47.1	94.7	NO
10	2,3,4,7,8-PeCDF	2.41e5	4.81e5	1.55	1.61	NO	1.0074	30.96	30.95	NO	1.001	1.001	49.8	99.7	NO
11	1,2,3,4,7,8-HxCDF	1.87e5	3.38e5	1.24	1.27	NO	1.1632	33.72	33.74	NO	1.000	1.000	47.3	94.7	NO
12	1,2,3,6,7,8-HxCDF	2.26e5	3.98e5	1.24	1.25	NO	1.1431	33.86	33.86	NO	1.000	1.000	49.5	99.0	NO
13	2,3,4,6,7,8-HxCDF	2.07e5	3.48e5	1.24	1.27	NO	1.2131	34.45	34.43	NO	1.001	1.000	49.4	98.8	NO
14	1,2,3,7,8,9-HxCDF	1.93e5	2.93e5	1.24	1.25	NO	1.1349	35.29	35.31	NO	1.000	1.000	47.7	95.5	NO
15	1,2,3,4,6,7,8-HpCDF	1.63e5	2.79e5	1.04	1.02	NO	1.1891	37.07	37.04	NO	1.001	1.000	48.2	98.4	NO
16	1,2,3,4,7,8,9-HpCDF	1.18e5	1.77e5	1.04	1.11	NO	1.3699	39.07	39.07	NO	1.000	1.000	47.7	95.4	NO
17	OCDF	2.44e5	4.82e5	0.89	0.87	NO	1.0614	41.87	41.88	NO	1.000	1.000	95.5	95.5	NO
18	13C-1,2,3,7,8-TCDD	5.03e5	4.48e5	0.77	0.76	NO	1.1733	26.05	26.06	NO	1.027	1.028	97.8	97.8	NO
19	13C-1,2,3,7,8-PeCDD	3.19e5	4.49e5	0.63	0.62	NO	0.7731	31.23	31.25	NO	1.232	1.232	93.8	93.8	NO



#	Name	Resp	IS Resp	Pred RA	RA	n/y	RPF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	4.80e4	5.03e5	0.77	0.76	NO	0.8431	26.08	26.08	NO	1.001	1.001	9.70	97.0	NO
2	1,2,3,7,8-PeCDD	1.32e5	3.19e5	0.63	0.62	NO	0.8974	31.27	31.25	NO	1.001	1.000	46.2	82.4	NO
3	1,2,3,4,7,8-HxCDD	1.16e5	2.10e5	1.24	1.25	NO	1.1680	34.59	34.59	NO	1.000	1.000	47.5	95.0	NO
4	1,2,3,6,7,8-HxCDD	1.34e5	2.73e5	1.24	1.22	NO	1.0068	34.68	34.70	NO	1.000	1.001	48.7	97.5	NO
5	1,2,3,7,8,9-HxCDD	1.13e5	2.40e5	1.24	1.13	NO	0.9020	35.00	34.99	NO	1.001	1.000	47.7	95.5	NO
6	1,2,3,4,6,7,8-HxCDD	9.05e4	1.74e5	1.04	1.02	NO	1.0622	36.46	36.47	NO	1.000	1.001	47.7	95.3	NO
7	OCDD	1.92e5	3.71e5	0.89	0.82	NO	1.0440	41.67	41.69	NO	1.000	1.001	99.4	99.4	NO
8	2,3,7,8-TCDF	6.98e4	7.33e5	0.77	0.80	NO	0.8700	25.11	25.10	NO	1.001	1.001	8.93	98.3	NO
9	1,2,3,7,8-PeCDF	2.36e5	5.24e5	1.55	1.61	NO	0.9580	29.96	29.94	NO	1.001	1.000	47.1	94.2	NO
10	1,2,3,4,7,8-PeCDF	2.41e5	4.81e5	1.55	1.61	NO	1.0074	30.96	30.95	NO	1.001	1.001	49.8	99.7	NO
11	1,2,3,4,7,8-HxCDF	1.87e5	3.39e5	1.24	1.27	NO	1.1632	33.72	33.74	NO	1.000	1.000	47.3	94.7	NO
12	1,2,3,6,7,8-HxCDF	2.26e5	3.99e5	1.24	1.25	NO	1.1431	33.86	33.88	NO	1.000	1.000	48.5	98.0	NO
13	2,3,4,6,7,8-HxCDF	2.07e5	3.45e5	1.24	1.27	NO	1.2131	34.45	34.43	NO	1.001	1.000	48.4	98.9	NO
14	1,2,3,7,8,9-HxCDF	1.59e5	2.93e5	1.24	1.25	NO	1.1349	35.29	35.31	NO	1.000	1.000	47.7	95.5	NO
15	1,2,3,4,6,7,8-HxCDF	1.63e5	2.79e5	1.04	1.02	NO	1.1891	37.07	37.04	NO	1.001	1.000	49.2	98.4	NO
16	1,2,3,4,7,8,9-HxCDF	1.18e5	1.77e5	1.04	1.11	NO	1.3896	39.07	39.07	NO	1.000	1.000	47.7	95.4	NO
17	OCDF	2.44e5	4.82e5	0.89	0.87	NO	1.0614	41.87	41.88	NO	1.000	1.000	95.5	95.5	NO
18	13C-1,2,3,7,8-TCDD	5.03e5	4.40e5	0.77	0.79	NO	1.1733	26.05	26.06	NO	1.027	1.028	97.6	97.6	NO
19	13C-1,2,3,7,8-PeCDD	3.19e5	4.40e5	0.63	0.62	NO	0.7731	31.23	31.25	NO	1.232	1.232	93.8	93.8	NO



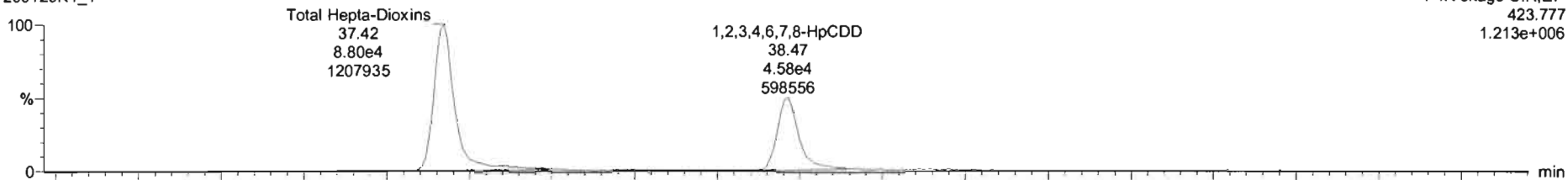
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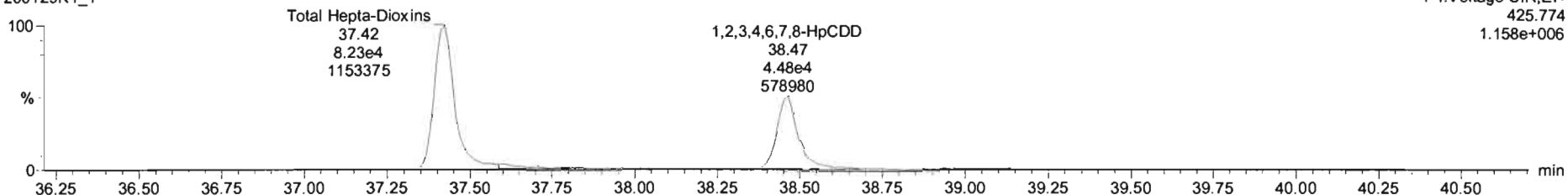
1,2,3,4,6,7,8-HpCDD

200129K1_1



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1.213e+006

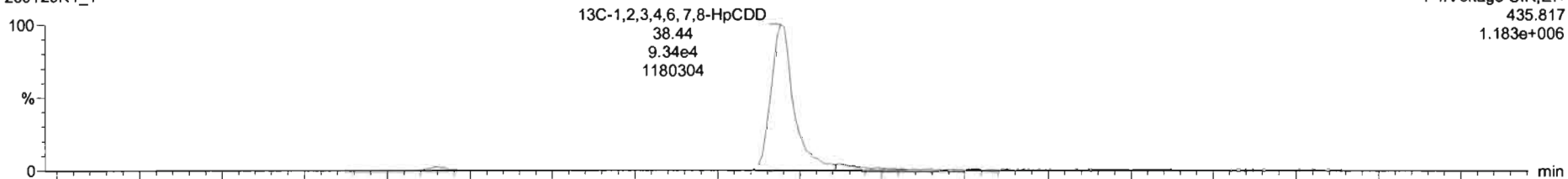
200129K1_1



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1.158e+006

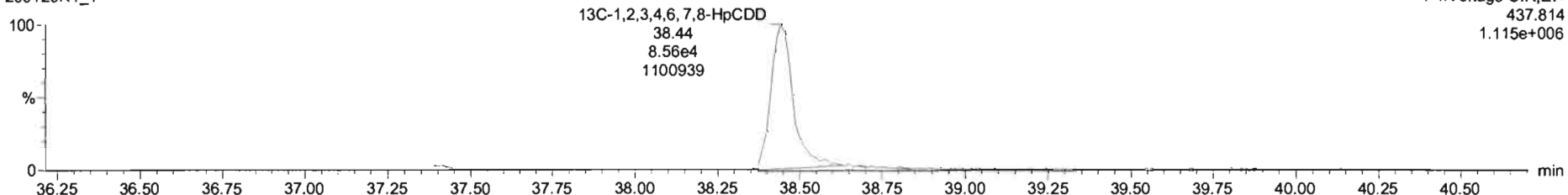
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200129K1_1



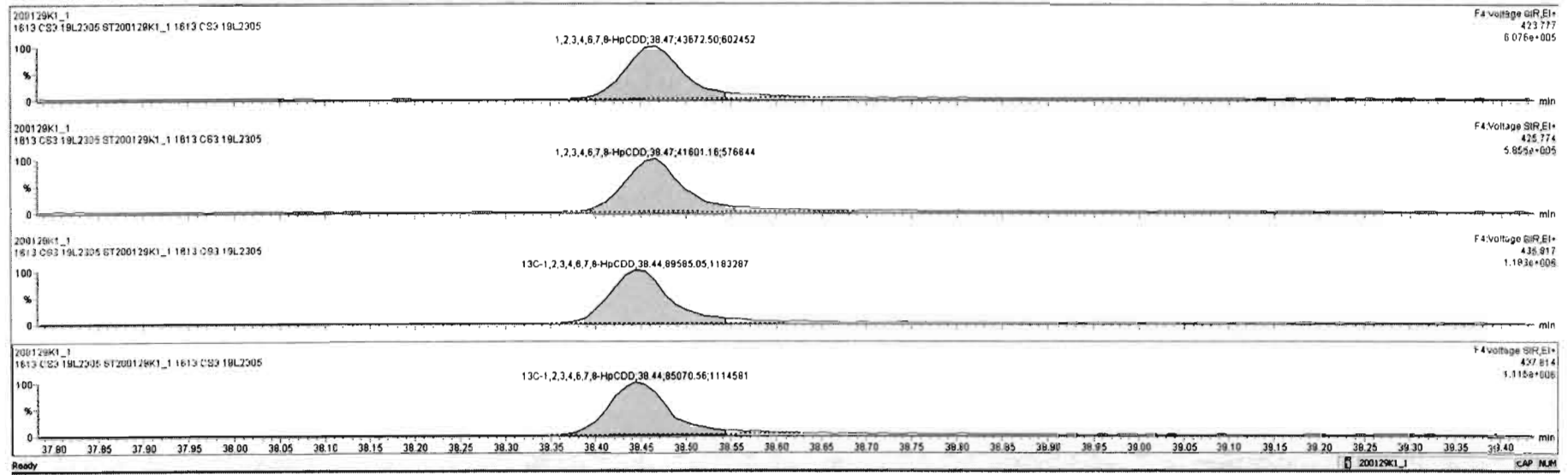
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435.817
1.183e+006

200129K1_1



F4:Voltage SIR,EI+
437.814
1.115e+006

#	Name	Resp	S Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	1,2,3,7,8-TCDD	4.80e4	5.03e5	0.77	0.78	NO	0.9431	26.09	26.09	NO	1.001	1.001	9.70	97.0	NO
2	1,2,3,7,8-PeCDD	1.32e5	3.19e5	0.63	0.62	NO	0.8974	31.27	31.25	NO	1.001	1.000	46.2	92.4	NO
3	1,2,3,4,7,8-HxCDD	1.16e5	2.10e5	1.24	1.25	NO	1.1680	34.59	34.59	NO	1.000	1.000	47.5	95.0	NO
4	1,2,3,6,7,8-HxCDD	1.34e5	2.73e5	1.24	1.22	NO	1.0068	34.68	34.70	NO	1.000	1.001	48.7	97.5	NO
5	1,2,3,7,8,9-HxCDD	1.13e5	2.40e5	1.24	1.13	NO	0.9820	35.00	34.98	NO	1.001	1.000	47.7	95.5	NO
6	1,2,3,4,6,7,8-HpCDD	8.53e4	1.75e5	1.04	1.05	NO	1.0622	38.46	38.47	NO	1.000	1.001	48.0	91.9	NO
7	OCDD	1.92e5	3.71e5	0.89	0.92	NO	1.0440	41.67	41.69	NO	1.000	1.001	99.4	99.4	NO
8	2,3,7,8-TCDF	6.98e4	7.33e5	0.77	0.80	NO	0.9700	25.11	25.10	NO	1.001	1.001	9.83	98.3	NO
9	1,2,3,7,8-PeCDF	2.36e5	5.24e5	1.55	1.61	NO	0.9580	29.96	29.94	NO	1.001	1.000	47.1	94.2	NO
10	2,3,4,7,8-PeCDF	2.41e5	4.81e5	1.55	1.61	NO	1.0074	30.96	30.95	NO	1.001	1.001	49.8	99.7	NO
11	1,2,3,4,7,8-HxCDF	1.87e5	3.39e5	1.24	1.27	NO	1.1632	33.72	33.74	NO	1.000	1.000	47.3	94.7	NO
12	1,2,3,6,7,8-HxCDF	2.26e5	3.99e5	1.24	1.25	NO	1.1431	33.86	33.86	NO	1.000	1.000	49.5	99.0	NO
13	2,3,4,6,7,8-HxCDF	2.07e5	3.46e5	1.24	1.27	NO	1.2131	34.45	34.43	NO	1.001	1.000	49.4	98.9	NO
14	1,2,3,7,8,9-HxCDF	1.58e5	2.93e5	1.24	1.25	NO	1.1349	35.29	35.31	NO	1.000	1.000	47.7	95.5	NO
15	1,2,3,4,6,7,8-HpCDF	1.83e5	2.79e5	1.04	1.02	NO	1.1891	37.07	37.04	NO	1.001	1.000	49.2	98.4	NO
16	1,2,3,4,7,8,9-HpCDF	1.18e5	1.77e5	1.04	1.11	NO	1.3896	39.07	39.07	NO	1.000	1.000	47.7	95.4	NO
17	OCDF	2.44e5	4.82e5	0.89	0.87	NO	1.0614	41.67	41.88	NO	1.000	1.000	95.5	95.5	NO
18	13C-2,3,7,8-TCDD	5.03e5	4.40e5	0.77	0.79	NO	1.1733	26.05	26.06	NO	1.027	1.028	97.6	97.6	NO
19	13C-1,2,3,7,8-PeCDD	3.19e5	4.40e5	0.63	0.62	NO	0.7731	31.23	31.25	NO	1.232	1.232	93.8	93.8	NO



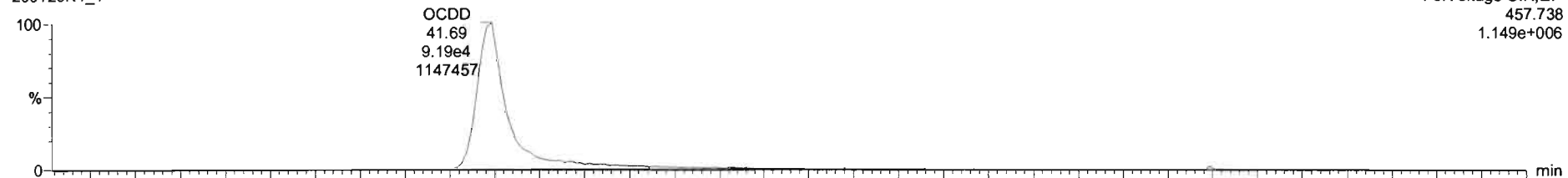
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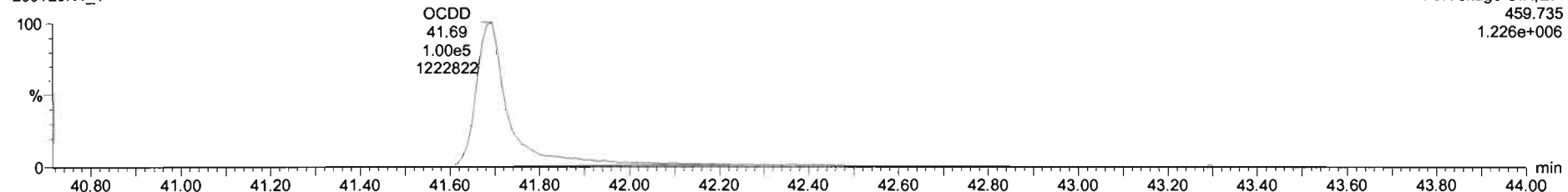
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OCDD

200129K1_1

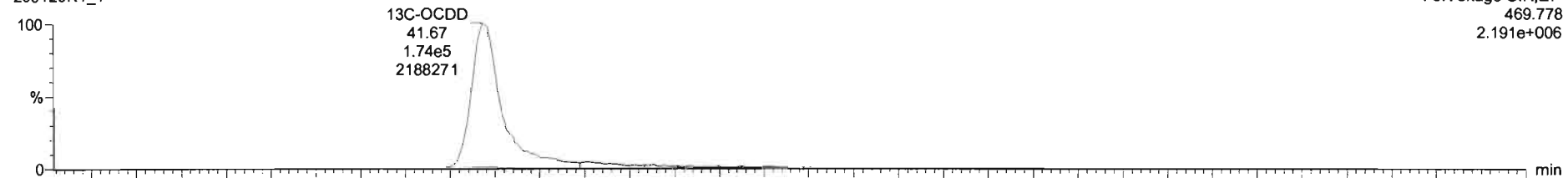


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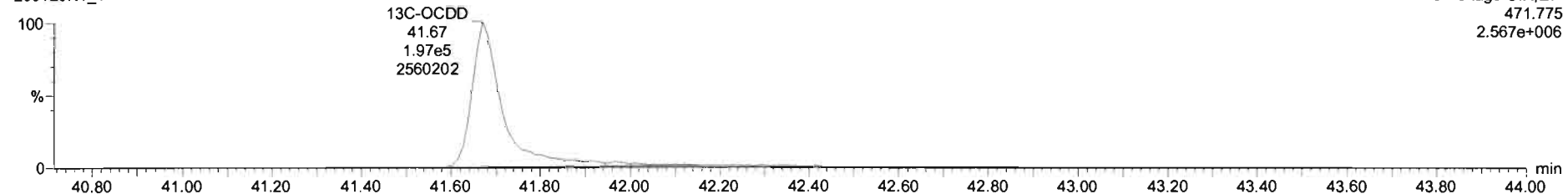


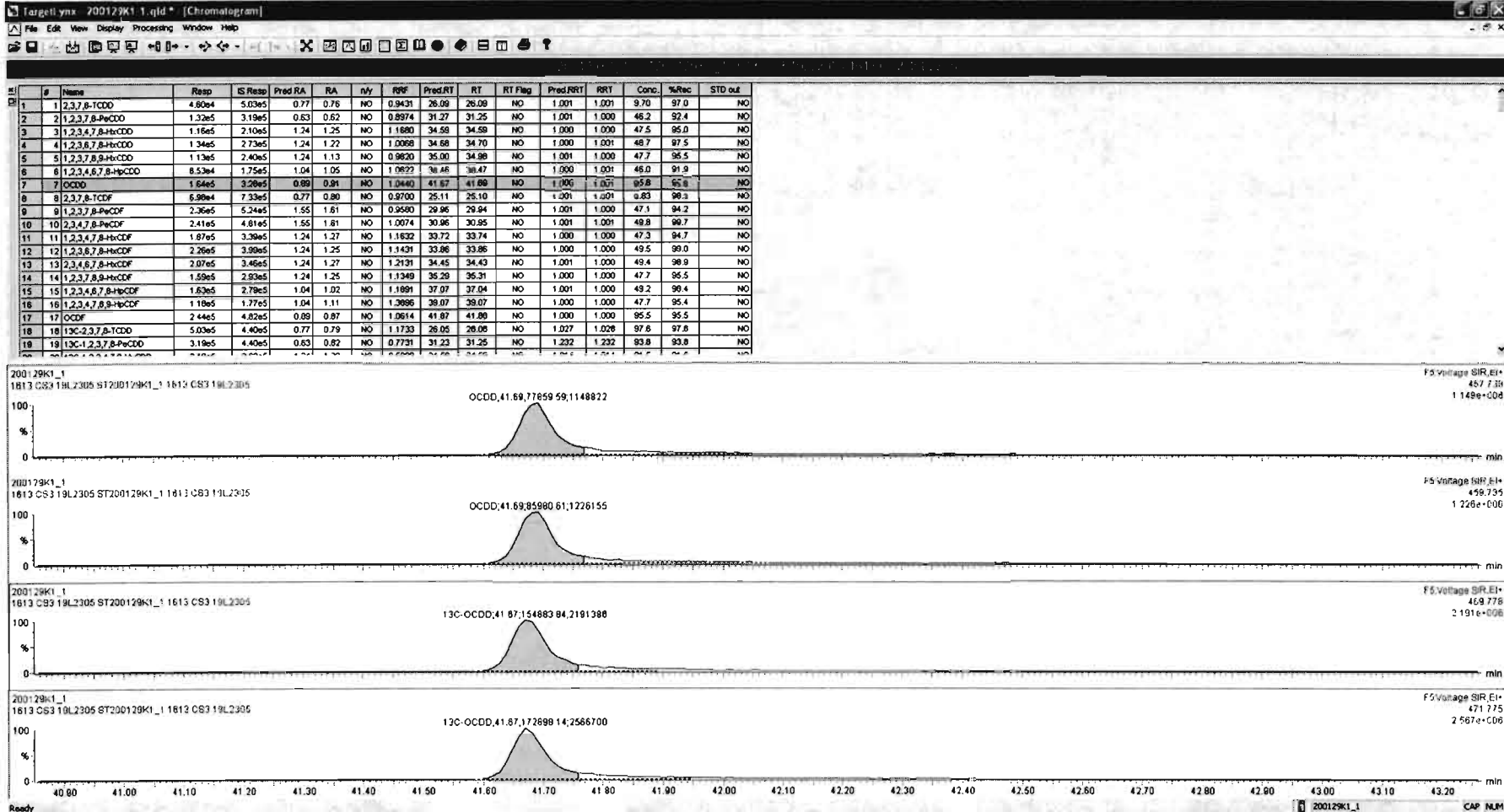
13C-OCDD

200129K1_1



200129K1_1



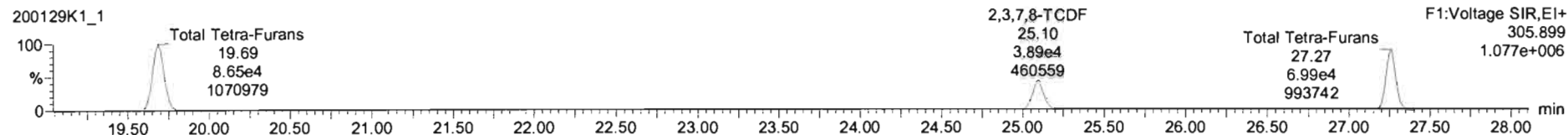
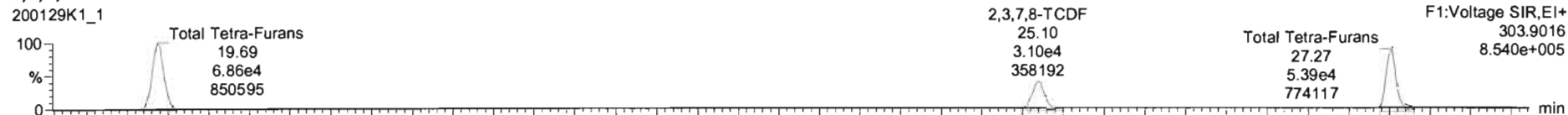


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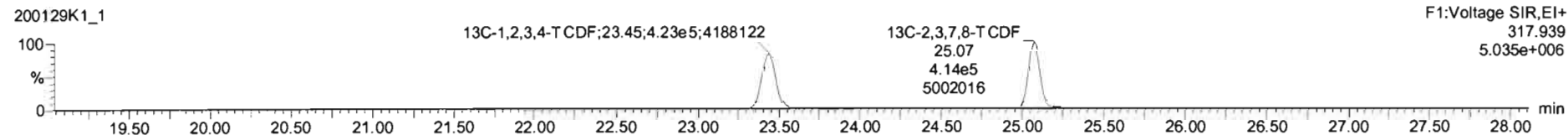
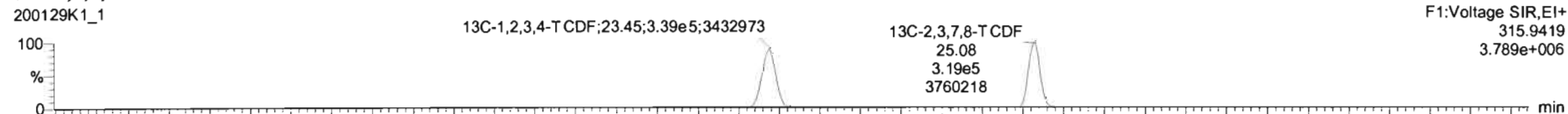
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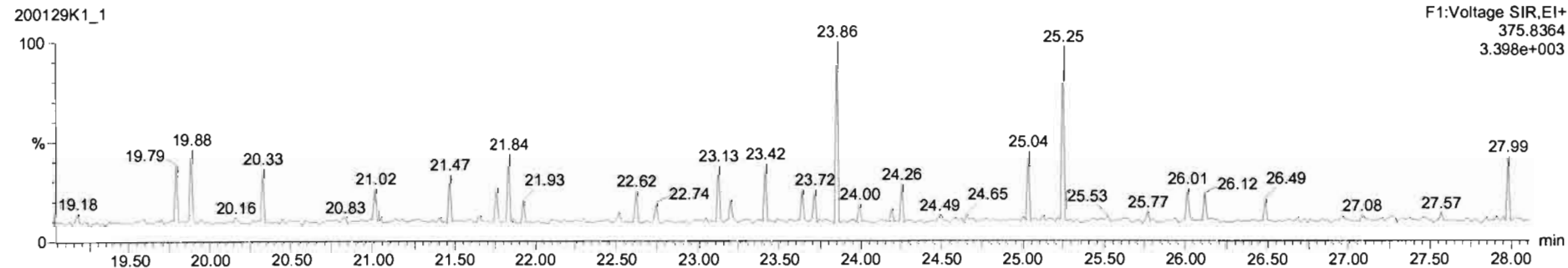
2,3,7,8-TCDF



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



DPE1



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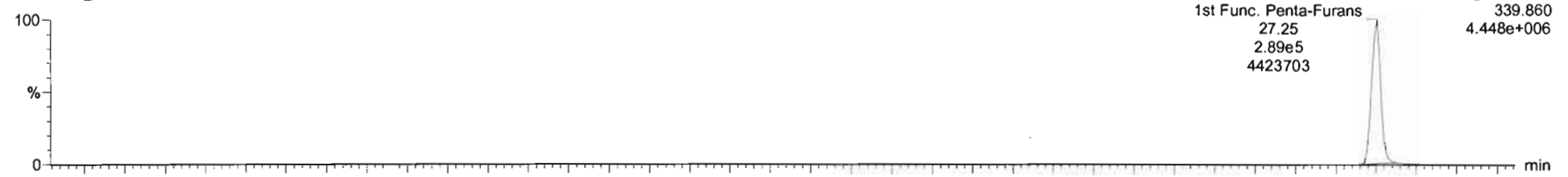
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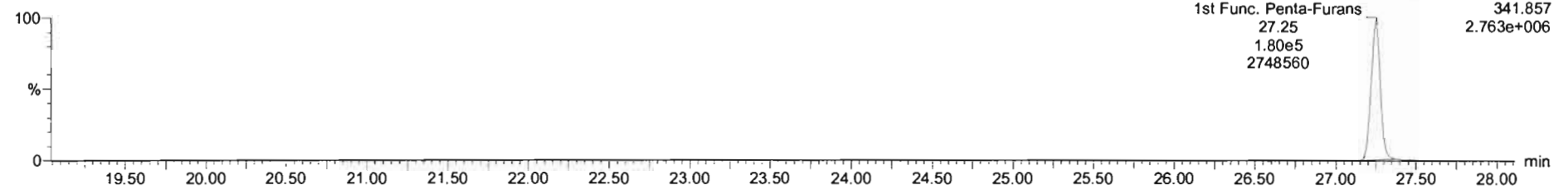
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1st Func. Penta-Furans

200129K1_1

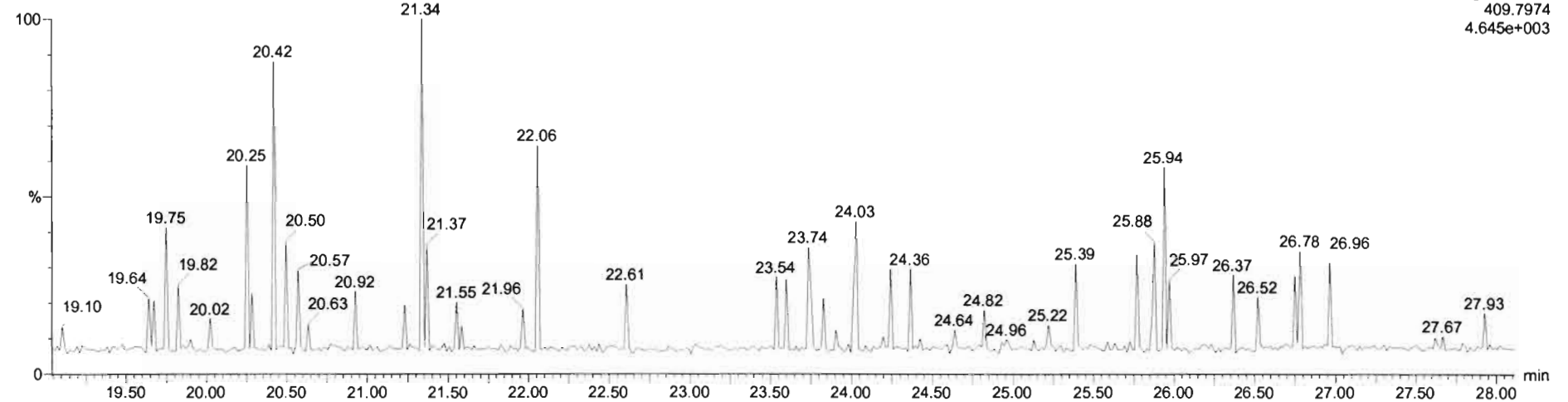


200129K1_1



DPE6

200129K1_1

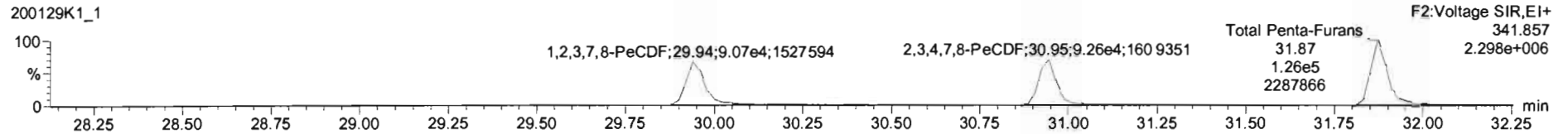
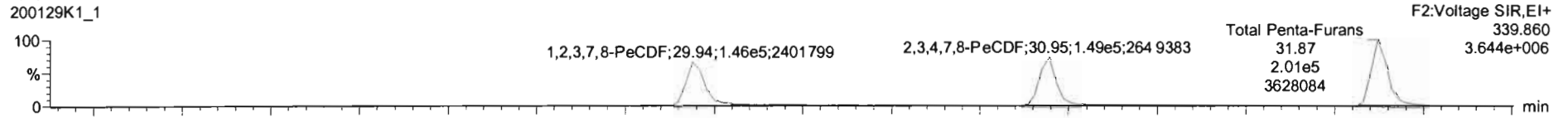


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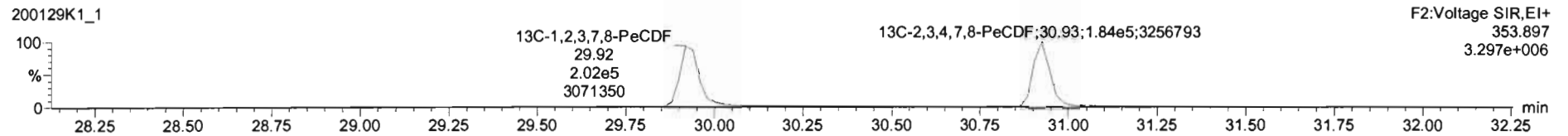
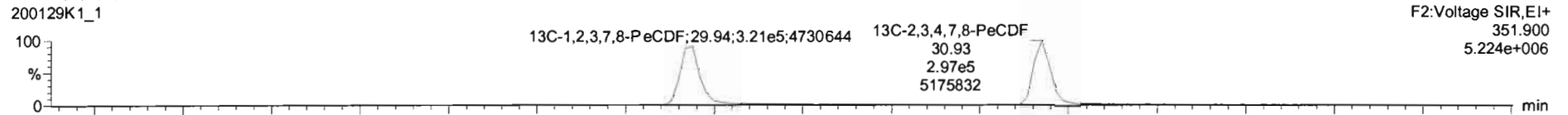
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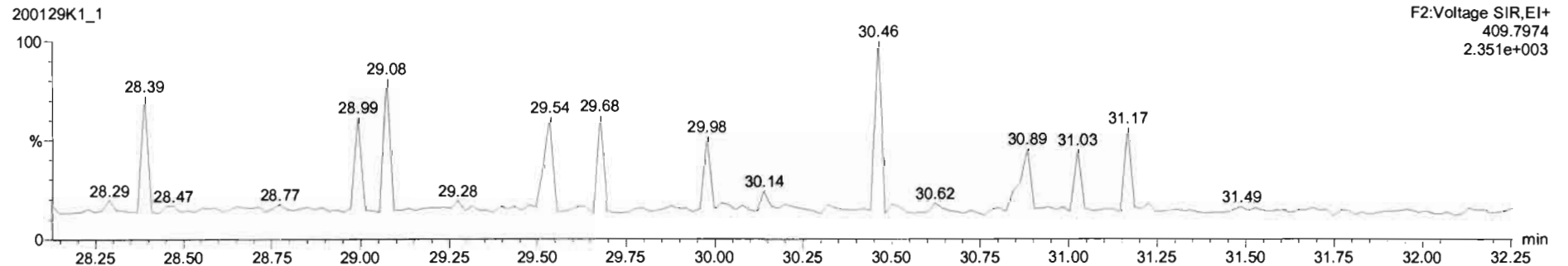
1,2,3,7,8-PeCDF



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



DPE2

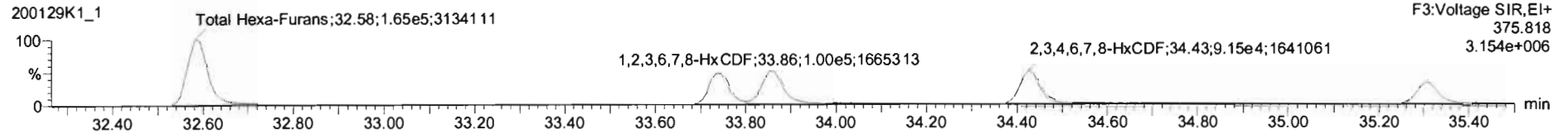
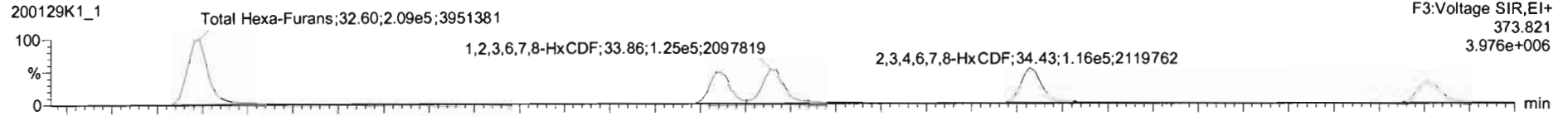


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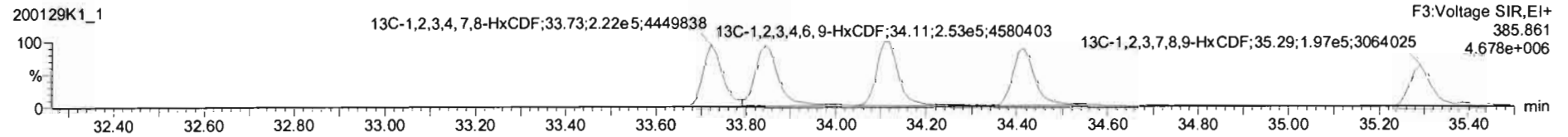
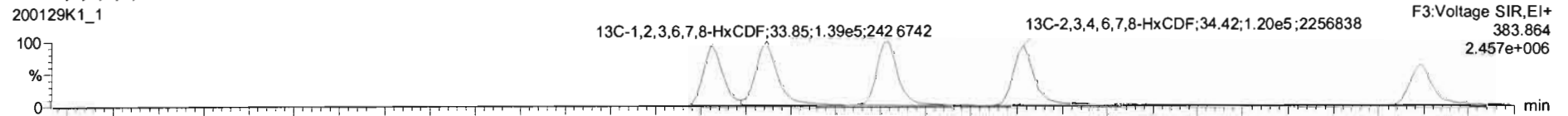
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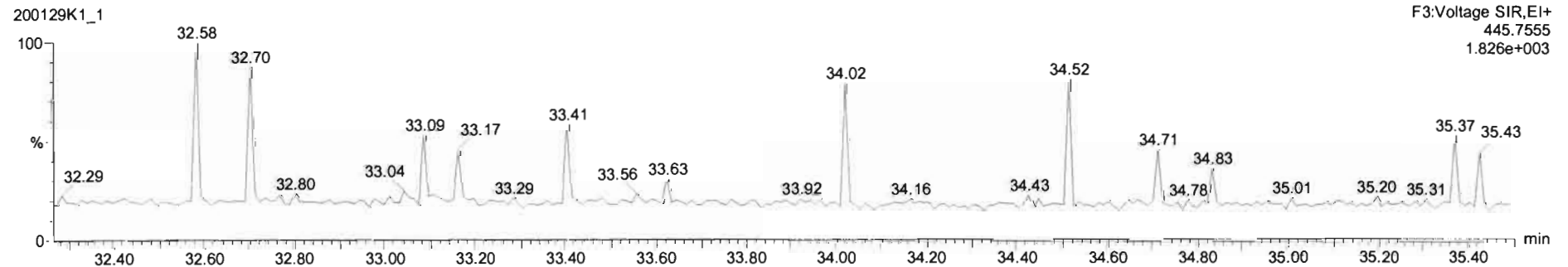
1,2,3,4,7,8-HxCDF



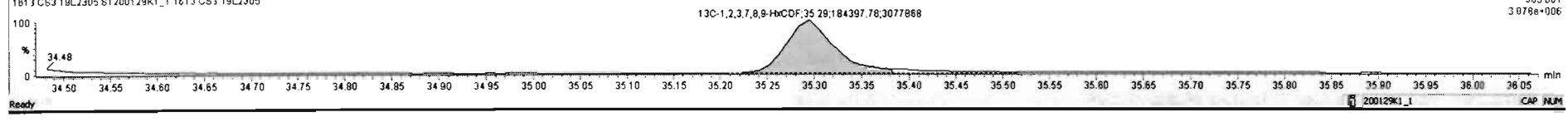
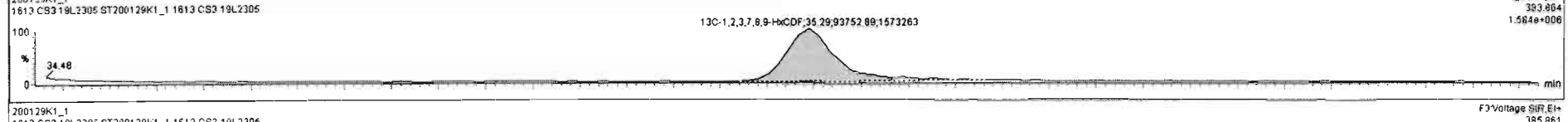
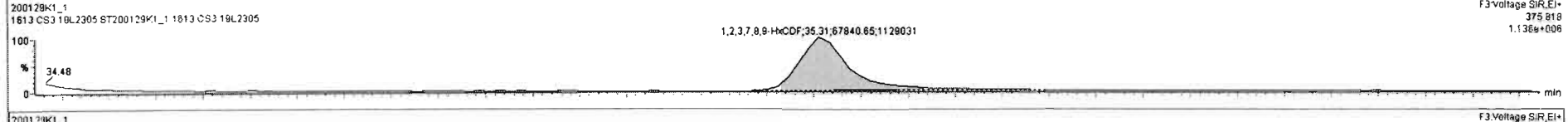
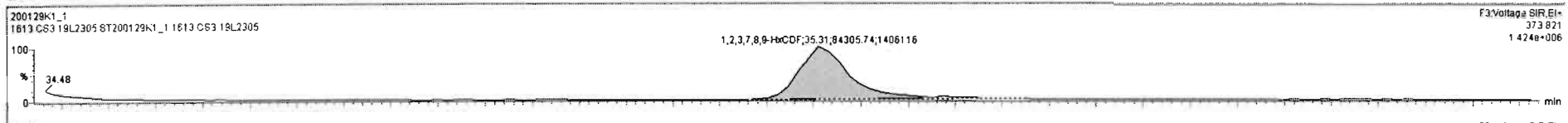
13C-1,2,3,4,7,8-HxCDF



DPE3



#	Name	Resp	IS Resp	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	4.60e4	5.03e5	0.77	0.76	NO	0.9431	26.09	26.09	NO	1.001	1.001	9.70	97.0	NO
2	1,2,3,7,8-PeCDD	1.32e5	3.19e5	0.63	0.62	NO	0.8974	31.27	31.25	NO	1.001	1.000	46.2	92.4	NO
3	1,2,3,4,7,8-HxCDD	1.16e5	2.10e5	1.24	1.25	NO	1.1690	34.59	34.59	NO	1.000	1.000	47.5	95.0	NO
4	1,2,3,6,7,8-HxCDD	1.34e5	2.73e5	1.24	1.22	NO	1.0068	34.68	34.70	NO	1.000	1.001	48.7	97.5	NO
5	1,2,3,7,8,9-HxCDD	1.13e5	2.40e5	1.24	1.13	NO	0.9820	35.00	34.98	NO	1.001	1.000	47.7	95.5	NO
6	1,2,3,4,6,7,8-HxCDD	8.53e4	1.75e5	1.04	1.05	NO	1.0622	38.46	38.47	NO	1.000	1.001	46.0	91.9	NO
7	OCDD	1.64e5	3.26e5	0.89	0.91	NO	1.0440	41.67	41.69	NO	1.000	1.001	95.8	95.9	NO
8	1,2,3,7,8-TCDF	6.98e4	7.33e5	0.77	0.80	NO	0.9700	25.11	25.10	NO	1.001	1.001	9.83	98.3	NO
9	1,2,3,7,8-PeCDF	2.36e5	5.24e5	1.55	1.61	NO	0.9590	29.96	29.94	NO	1.001	1.000	47.1	94.2	NO
10	1,2,3,4,7,8-PeCDF	2.41e5	4.81e5	1.55	1.61	NO	1.0074	30.96	30.95	NO	1.001	1.001	49.8	99.7	NO
11	1,2,3,4,7,8-HxCDF	1.87e5	3.39e5	1.24	1.27	NO	1.1632	33.72	33.74	NO	1.000	1.000	47.3	94.7	NO
12	1,2,3,6,7,8-HxCDF	2.26e5	3.99e5	1.24	1.25	NO	1.1431	33.86	33.86	NO	1.000	1.000	49.5	99.0	NO
13	1,2,3,4,6,7,8-HxCDF	2.07e5	3.46e5	1.24	1.27	NO	1.2131	34.45	34.43	NO	1.001	1.000	49.4	98.9	NO
14	1,2,3,7,8,9-HxCDF	1.52e5	2.78e5	1.24	1.24	NO	1.1349	35.29	35.31	NO	1.000	1.000	48.2	96.4	NO
15	1,2,3,4,6,7,8-HpCDF	1.63e5	2.79e5	1.04	1.02	NO	1.1891	37.07	37.04	NO	1.001	1.000	49.2	98.4	NO
16	1,2,3,4,7,8,9-HpCDF	1.18e5	1.77e5	1.04	1.11	NO	1.3896	39.07	39.07	NO	1.000	1.000	47.7	95.4	NO
17	OCDF	2.44e5	4.82e5	0.89	0.87	NO	1.0614	41.87	41.88	NO	1.000	1.000	95.5	95.5	NO
18	1,3C-2,3,7,8-TCDD	5.03e5	4.40e5	0.77	0.79	NO	1.1733	26.05	26.06	NO	1.027	1.028	97.6	97.6	NO
19	1,3C-1,2,3,7,8-PeCDD	3.19e5	4.40e5	0.63	0.62	NO	0.7731	31.23	31.25	NO	1.232	1.232	93.8	93.8	NO



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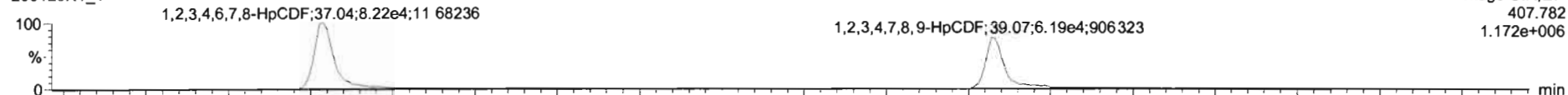
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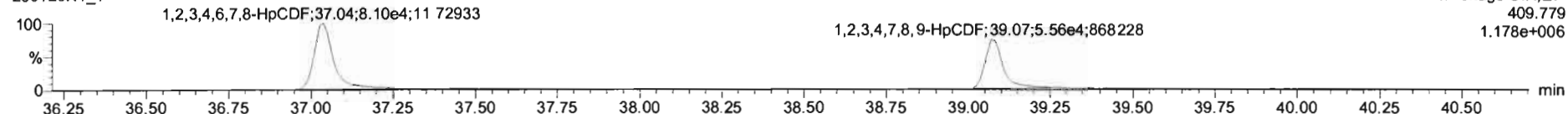
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1,2,3,4,6,7,8-HpCDF

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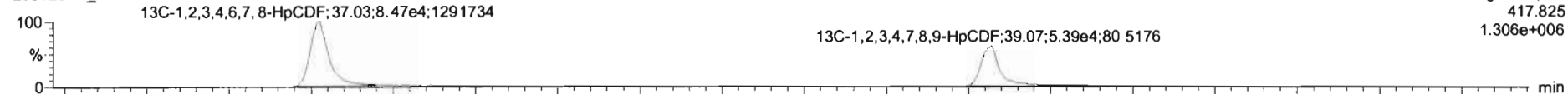


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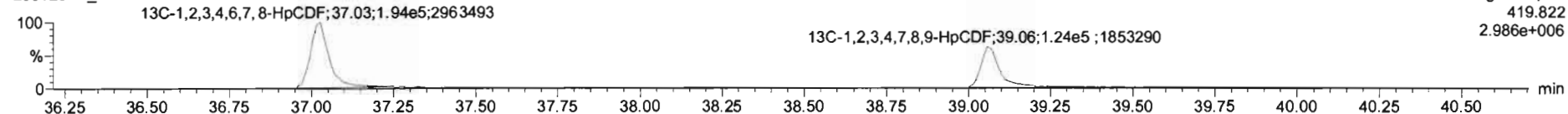


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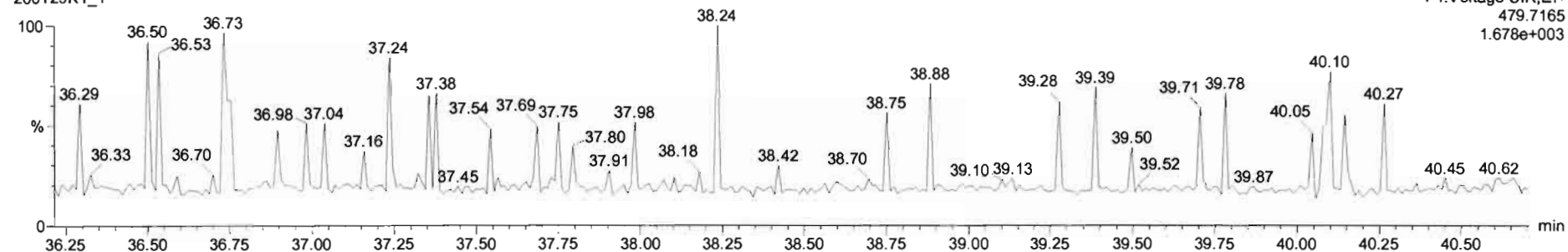


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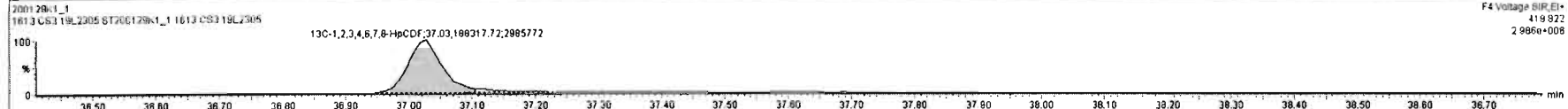
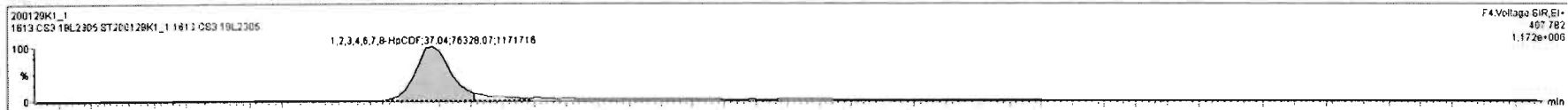


DPE4

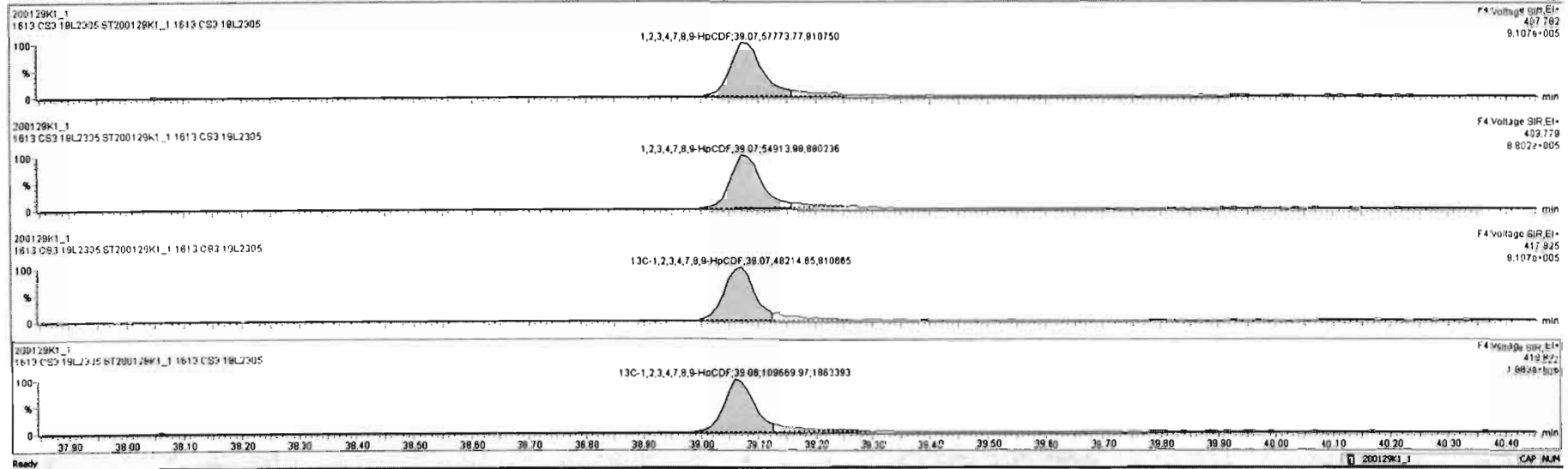
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#	Name	Resp	IS Resp	Prod RA	RA	n/y	R/F	Prod RT	RT	RT Flag	Prod RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	4.60e4	5.03e5	0.77	0.76	NO	0.8431	26.09	26.09	NO	1.001	1.001	9.70	97.0	NO
2	1,2,3,7,8-PeCDD	1.32e5	3.19e5	0.63	0.62	NO	0.8974	31.27	31.25	NO	1.001	1.000	46.2	92.4	NO
3	1,2,3,4,7,8-HxCDD	1.16e5	2.10e5	1.24	1.25	NO	1.1680	34.59	34.59	NO	1.000	1.000	47.5	95.0	NO
4	1,2,3,6,7,8-HxCDD	1.34e5	2.73e5	1.24	1.22	NO	1.0068	34.68	34.70	NO	1.000	1.001	48.7	97.5	NO
5	1,2,3,7,8,9-HxCDD	1.13e5	2.40e5	1.24	1.13	NO	0.9920	35.00	34.98	NO	1.001	1.000	47.7	95.5	NO
6	1,2,3,4,6,7,8-HpCDD	8.53e4	1.75e5	1.04	1.05	NO	1.0622	38.46	38.47	NO	1.000	1.001	46.0	91.9	NO
7	OCDD	1.64e5	3.28e5	0.99	0.91	NO	1.0440	41.67	41.69	NO	1.000	1.001	95.8	95.8	NO
8	1,2,3,7,8-TCDF	6.99e4	7.33e5	0.77	0.80	NO	0.9700	25.11	25.10	NO	1.001	1.001	9.83	99.3	NO
9	1,2,3,7,8-PeCDF	2.36e5	5.24e5	1.55	1.61	NO	0.9580	29.96	29.94	NO	1.001	1.000	47.1	94.2	NO
10	1,2,3,4,7,8-PeCDF	2.41e5	4.81e5	1.55	1.61	NO	1.0074	30.96	30.95	NO	1.001	1.001	49.8	99.7	NO
11	1,2,3,4,7,8-HxCDF	1.87e5	3.39e5	1.24	1.27	NO	1.1632	33.72	33.74	NO	1.000	1.000	47.3	94.7	NO
12	1,2,3,6,7,8-HxCDF	2.26e5	3.99e5	1.24	1.25	NO	1.1431	33.86	33.88	NO	1.000	1.000	49.5	99.0	NO
13	1,2,3,4,6,7,8-HxCDF	2.07e5	3.46e5	1.24	1.27	NO	1.2131	34.45	34.43	NO	1.001	1.000	49.4	98.9	NO
14	1,2,3,7,8,9-HxCDF	1.52e5	2.78e5	1.24	1.24	NO	1.1349	35.29	35.31	NO	1.000	1.000	48.2	96.4	NO
15	1,2,3,4,6,7,8-HpCDF	1.52e5	2.72e5	1.04	1.01	NO	1.1891	37.07	37.04	NO	1.001	1.000	47.0	94.0	NO
16	1,2,3,4,7,8,9-HpCDF	1.18e5	1.77e5	1.04	1.11	NO	1.2896	39.07	39.07	NO	1.000	1.000	47.7	95.4	NO
17	OCDF	2.44e5	4.82e5	0.99	0.87	NO	1.0614	41.87	41.88	NO	1.000	1.000	95.5	95.5	NO
18	13C-1,2,3,7,8-TCDD	5.03e5	4.40e5	0.77	0.79	NO	1.1733	26.05	26.05	NO	1.027	1.026	97.8	97.6	NO
19	13C-1,2,3,7,8-PeCDD	3.19e5	4.40e5	0.63	0.62	NO	0.7731	31.23	31.25	NO	1.232	1.232	93.8	93.8	NO



#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	1,2,3,7,8-TCDD	4.60e4	5.03e5	0.77	0.78	NO	0.9431	26.08	26.08	NO	1.001	1.001	9.70	97.0	NO
2	1,2,3,7,8-PeCDD	1.32e5	3.19e5	0.63	0.62	NO	0.9974	31.27	31.25	NO	1.001	1.000	46.2	92.4	NO
3	1,2,3,4,7,8-HxCDD	1.16e5	2.10e5	1.24	1.25	NO	1.1680	34.59	34.59	NO	1.000	1.000	47.5	95.0	NO
4	1,2,3,6,7,8-HxCDD	1.34e5	2.73e5	1.24	1.22	NO	1.0068	34.68	34.70	NO	1.000	1.001	48.7	97.5	NO
5	1,2,3,7,8,9-HxCDD	1.13e5	2.40e5	1.24	1.13	NO	0.9820	35.00	34.98	NO	1.001	1.000	47.7	95.5	NO
6	1,2,3,4,6,7,8-HpCDD	8.53e4	1.75e5	1.04	1.05	NO	1.0622	38.46	38.47	NO	1.000	1.001	46.0	91.9	NO
7	OCDD	1.64e5	3.28e5	0.89	0.91	NO	1.0440	41.67	41.69	NO	1.000	1.001	95.8	95.8	NO
8	2,3,7,8-TCDF	6.98e4	7.33e5	0.77	0.80	NO	0.9700	25.11	25.10	NO	1.001	1.001	8.83	98.3	NO
9	1,2,3,7,8-PeCDF	2.36e5	5.24e5	1.55	1.61	NO	0.9580	29.96	29.94	NO	1.001	1.000	47.1	94.2	NO
10	1,2,3,4,7,8-PeCDF	2.41e5	4.81e5	1.55	1.61	NO	1.0074	30.96	30.95	NO	1.001	1.001	49.0	99.7	NO
11	1,2,3,4,7,8-HxCDF	1.07e5	3.38e5	1.24	1.27	NO	1.1632	33.72	33.74	NO	1.000	1.000	47.3	94.7	NO
12	1,2,3,6,7,8-HxCDF	2.26e5	3.99e5	1.24	1.25	NO	1.1431	33.86	33.86	NO	1.000	1.000	49.5	99.0	NO
13	2,3,4,6,7,8-HxCDF	2.07e5	3.46e5	1.24	1.27	NO	1.2131	34.45	34.43	NO	1.001	1.000	49.4	98.9	NO
14	1,2,3,7,8,9-HxCDF	1.52e5	2.78e5	1.24	1.24	NO	1.1349	35.29	35.31	NO	1.000	1.000	48.2	96.4	NO
15	1,2,3,4,6,7,8-HpCDF	1.52e5	2.72e5	1.04	1.01	NO	1.1891	37.07	37.04	NO	1.001	1.000	47.0	94.0	NO
16	1,2,3,4,7,8,9-HpCDF	1.13e5	1.58e5	1.04	1.05	NO	1.2886	38.07	38.07	NO	1.000	1.000	51.4	100	NO
17	OCDF	2.44e5	4.82e5	0.89	0.87	NO	1.0614	41.87	41.88	NO	1.000	1.000	95.5	95.5	NO
18	13C-1,2,3,7,8-TCDD	5.03e5	4.40e5	0.77	0.79	NO	1.1733	26.05	26.06	NO	1.027	1.028	97.8	97.6	NO
19	13C-1,2,3,7,8-PeCDD	3.19e5	4.40e5	0.63	0.62	NO	0.7731	31.23	31.25	NO	1.232	1.232	93.8	93.8	NO



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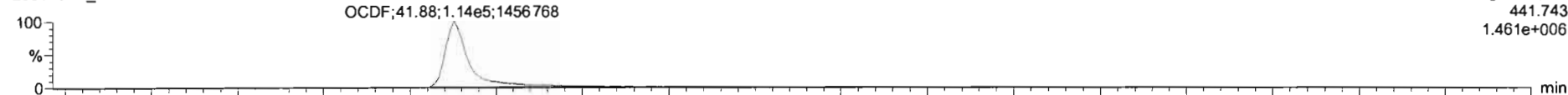
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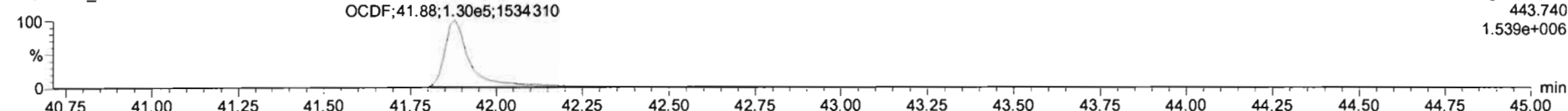
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OCDF

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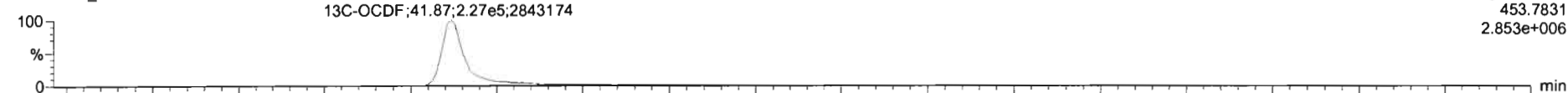


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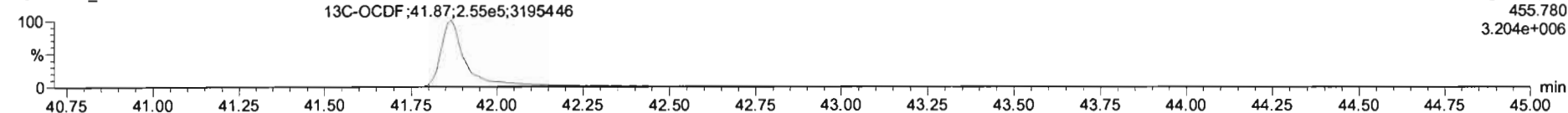


13C-OCDF

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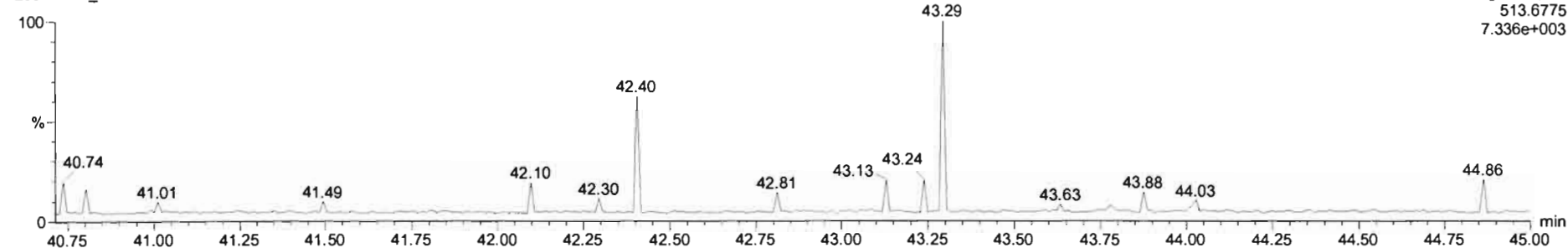


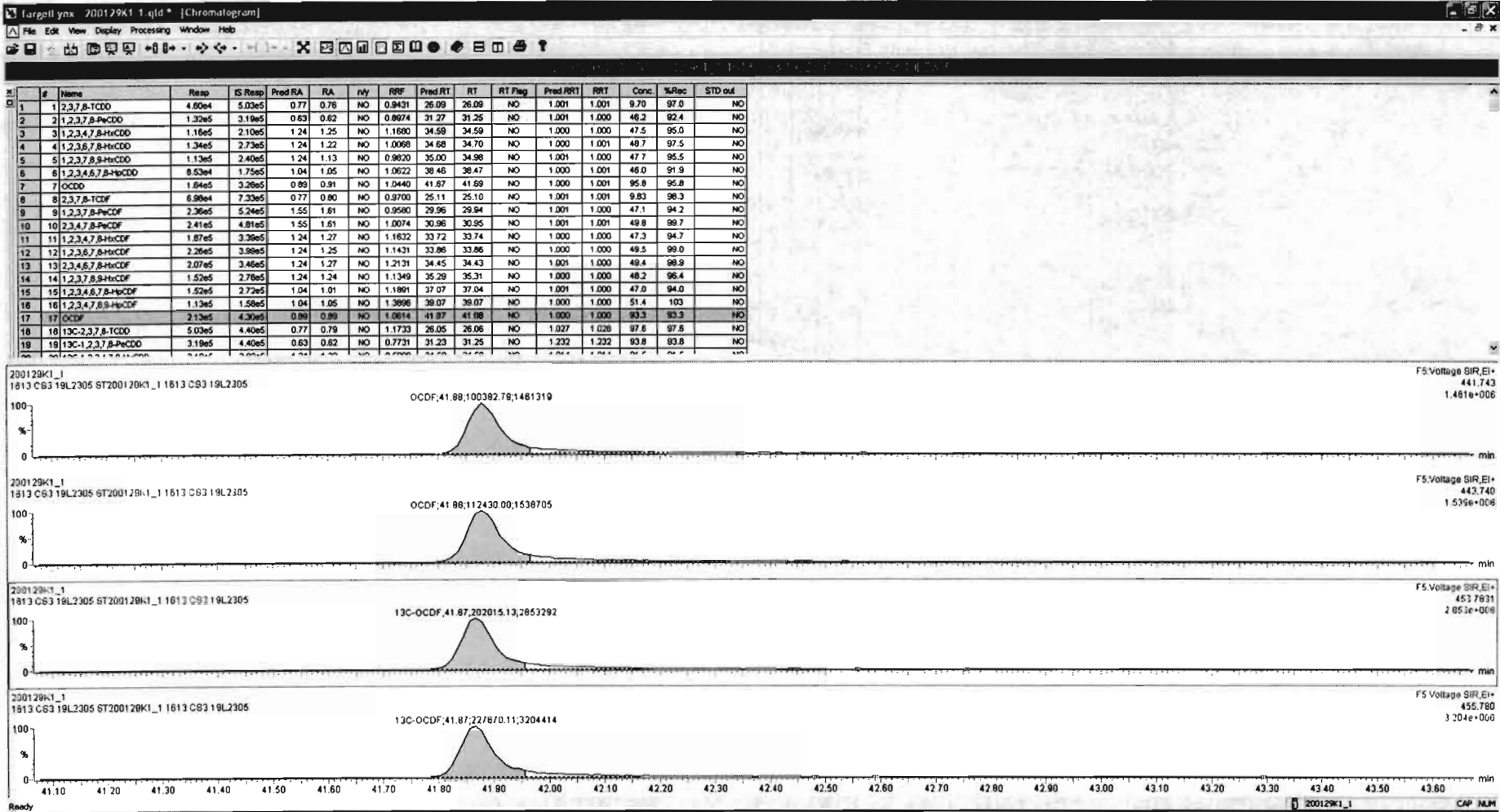
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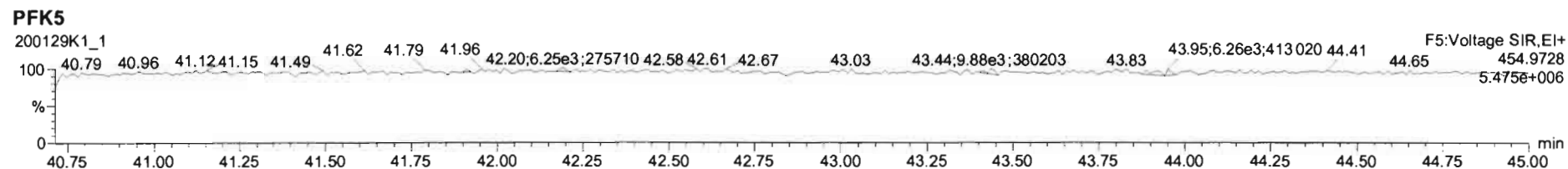
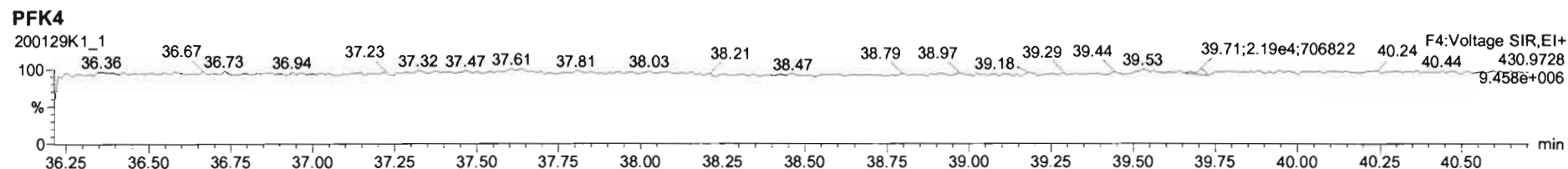
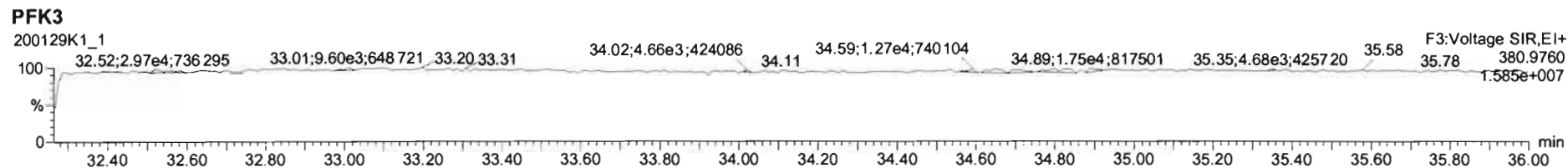
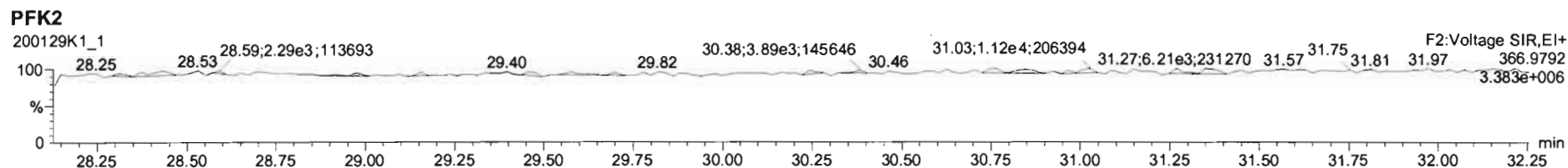
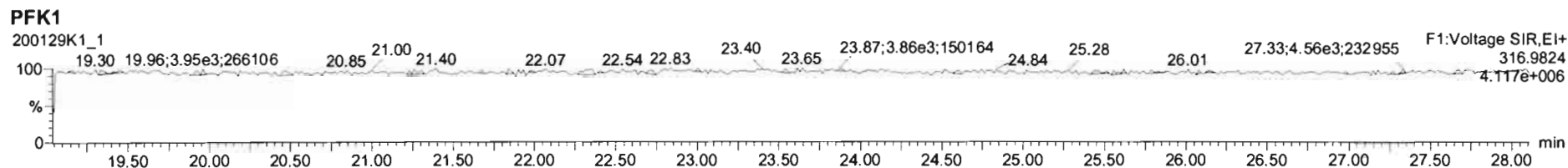
#	g	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
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2	2	1,2,3,7,8-PeCDD	1.32e5	3.19e5	0.63	0.62	NO	0.8674	31.27	31.25	NO	1.001	1.000	46.2	82.4	NO
3	3	1,2,3,4,7,8-HxCDD	1.16e5	2.10e5	1.24	1.25	NO	1.1680	34.59	34.59	NO	1.000	1.000	47.5	95.0	NO
4	4	1,2,3,6,7,8-HxCDD	1.34e5	2.73e5	1.24	1.22	NO	1.0068	34.68	34.70	NO	1.000	1.001	48.7	97.5	NO
5	5	1,2,3,7,8,9-HxCDD	1.13e5	2.40e5	1.24	1.13	NO	0.9820	35.00	34.98	NO	1.001	1.000	47.7	95.5	NO
6	6	1,2,3,4,6,7,8-HpCDD	8.53e4	1.75e5	1.04	1.05	NO	1.0622	38.46	38.47	NO	1.000	1.001	46.0	91.9	NO
7	7	OCDD	1.64e5	3.28e5	0.89	0.91	NO	1.0440	41.87	41.89	NO	1.000	1.001	95.8	95.8	NO
8	8	2,3,7,8-TCDF	6.98e4	7.33e5	0.77	0.80	NO	0.9700	25.11	25.10	NO	1.001	1.001	9.83	96.3	NO
9	9	1,2,3,7,8-PeCDF	2.36e5	5.24e5	1.55	1.61	NO	0.9580	29.96	29.94	NO	1.001	1.000	47.1	94.2	NO
10	10	2,3,4,7,8-HxCDF	2.41e5	4.81e5	1.55	1.61	NO	1.0074	30.96	30.95	NO	1.001	1.001	49.8	99.7	NO
11	11	1,2,3,4,7,8-HxCDF	1.87e5	3.39e5	1.24	1.27	NO	1.1632	33.72	33.74	NO	1.000	1.000	47.3	94.7	NO
12	12	1,2,3,6,7,8-HxCDF	2.28e5	3.98e5	1.24	1.25	NO	1.1431	33.86	33.86	NO	1.000	1.000	49.5	99.0	NO
13	13	2,3,4,6,7,8-HxCDF	2.07e5	3.46e5	1.24	1.27	NO	1.2131	34.45	34.43	NO	1.001	1.000	49.4	98.9	NO
14	14	1,2,3,7,8,9-HxCDF	1.52e5	2.78e5	1.24	1.24	NO	1.1349	35.29	35.31	NO	1.000	1.000	48.2	96.4	NO
15	15	1,2,3,4,6,7,8-HpCDF	1.52e5	2.72e5	1.04	1.01	NO	1.1891	37.07	37.04	NO	1.001	1.000	47.0	94.0	NO
16	16	1,2,3,4,7,8,9-HxCDF	1.13e5	1.58e5	1.04	1.05	NO	1.3896	38.07	38.07	NO	1.000	1.000	51.4	103	NO
17	17	OCDF	2.15e5	4.30e5	0.89	0.89	NO	1.0614	41.87	41.88	NO	1.000	1.000	93.3	93.3	NO
18	18	13C-2,3,7,8-TCDD	5.03e5	4.40e5	0.77	0.79	NO	1.1733	26.05	26.06	NO	1.027	1.028	97.6	97.6	NO
19	19	13C-1,2,3,7,8-PeCDD	3.19e5	4.40e5	0.63	0.62	NO	0.7731	31.23	31.25	NO	1.232	1.232	93.8	93.8	NO

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Last Altered: Thursday, January 30, 2020 08:45:50 Pacific Standard Time

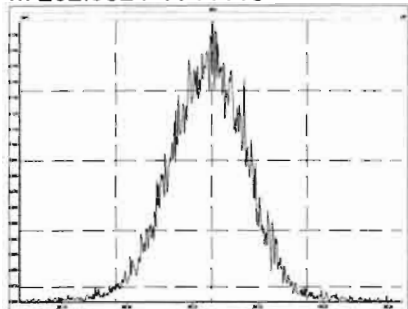
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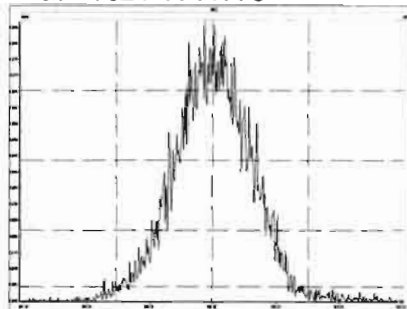


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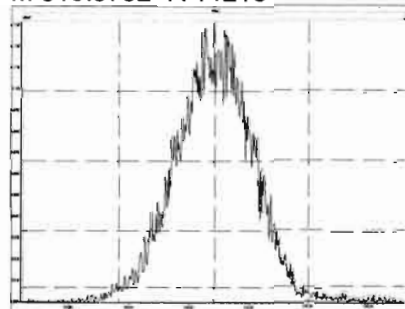
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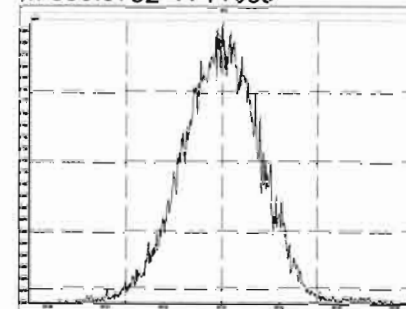
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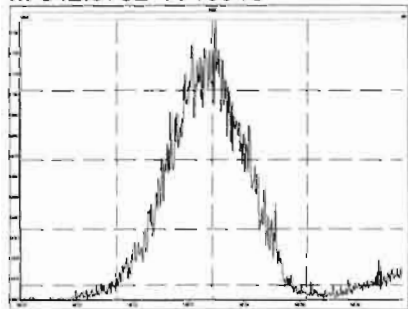
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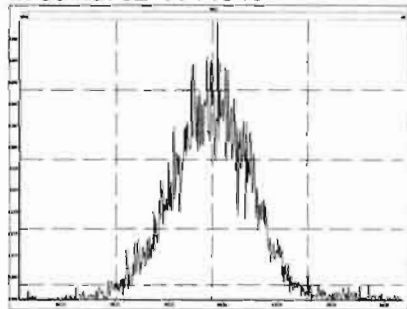
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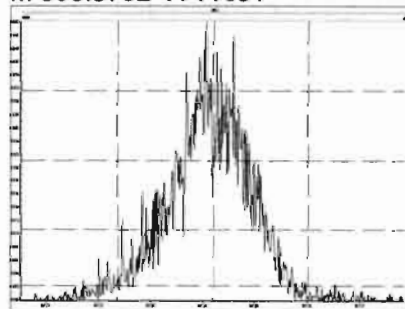
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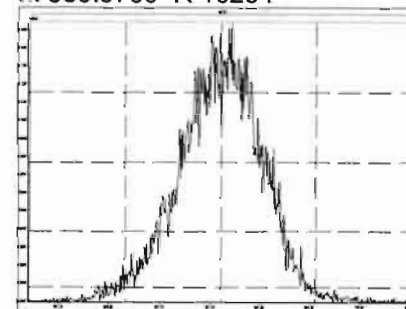
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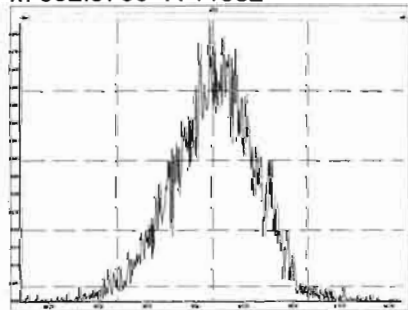
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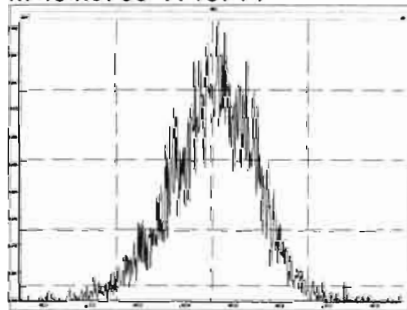
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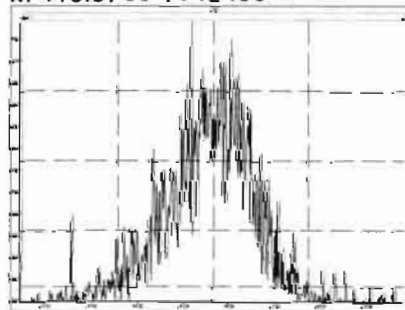
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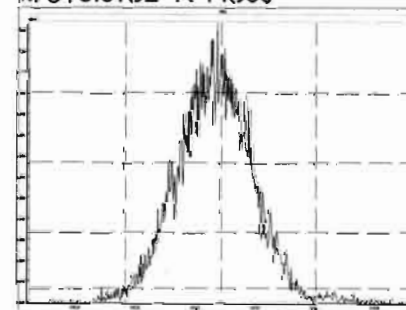
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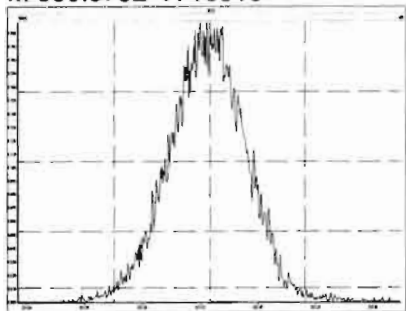


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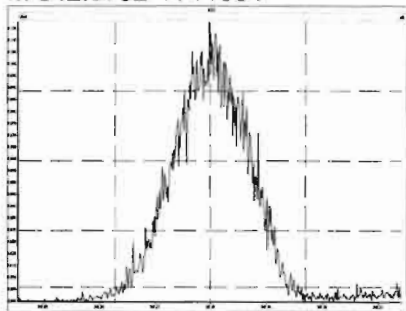


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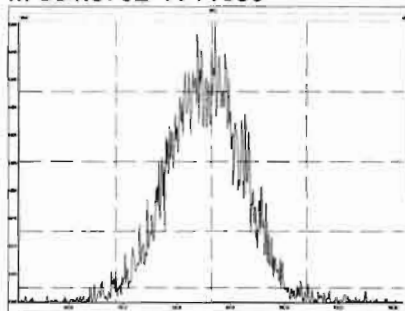
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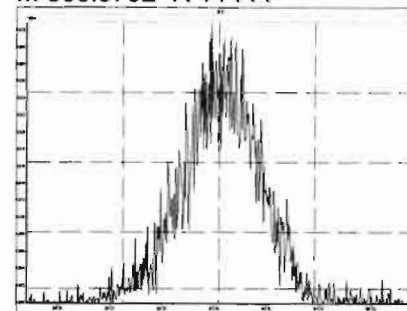
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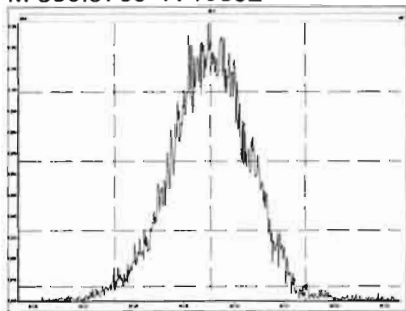
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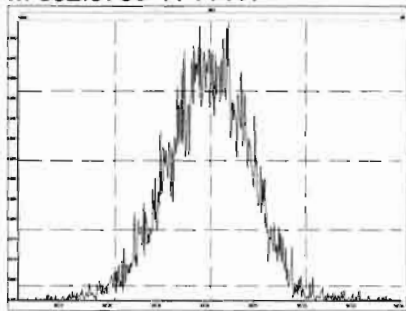
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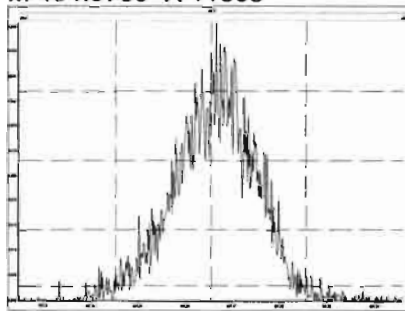
M 380.9760 R 10892



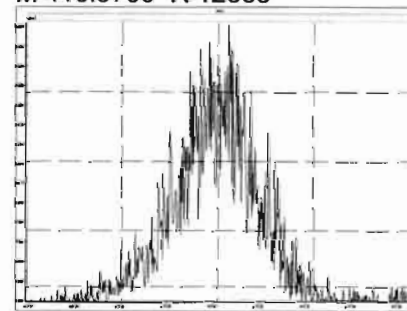
M 392.9760 R 11417



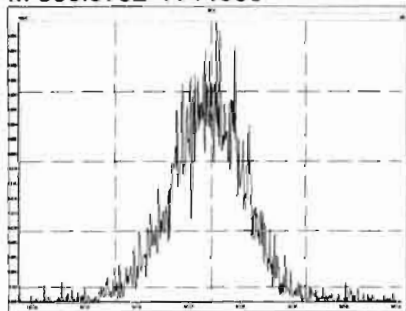
M 404.9760 R 11565



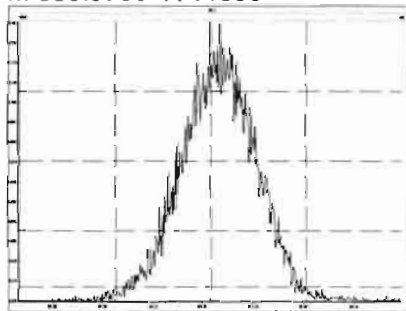
M 416.9760 R 12358



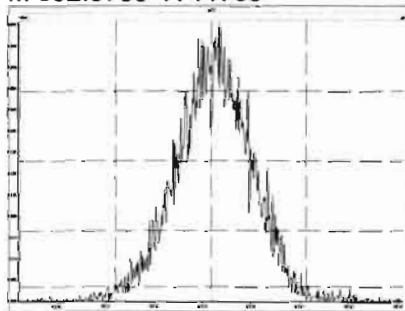
M 366.9792 R 11998



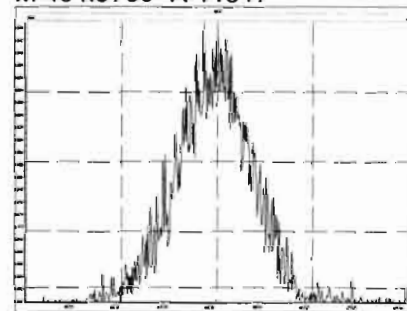
M 380.9760 R 11390



M 392.9760 R 11709

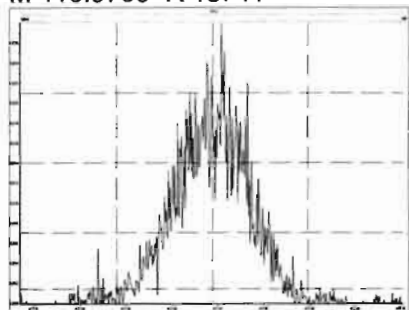


M 404.9760 R 11917

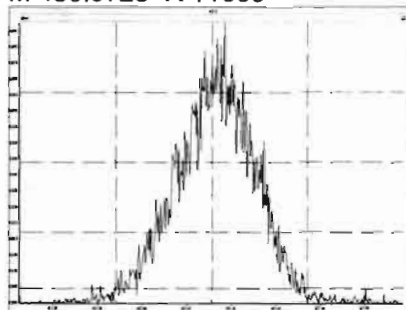


Printed: Thursday, January 30, 2020 03:25:31 Pacific Standard Time

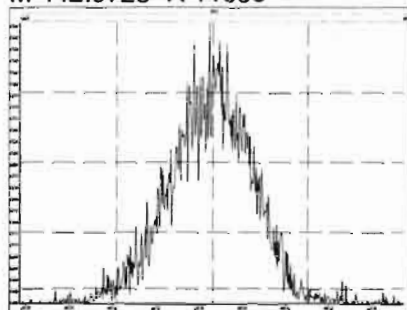
M 416.9760 R 13741



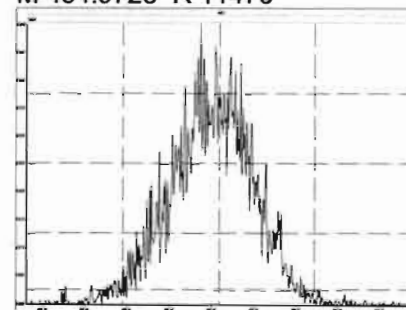
M 430.9728 R 11669



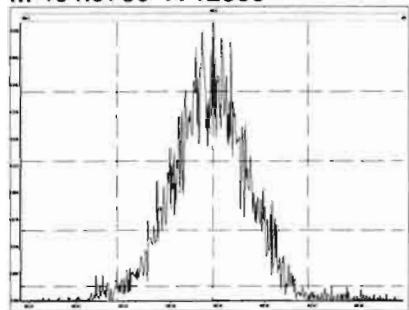
M 442.9728 R 11660



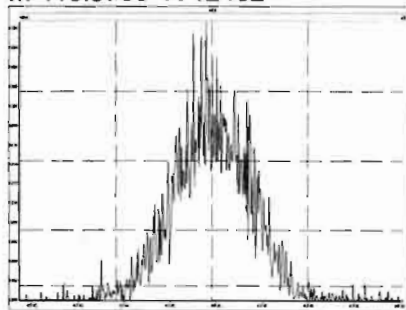
M 454.9728 R 11476



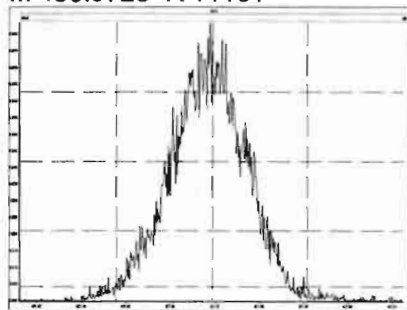
M 404.9760 R 12565



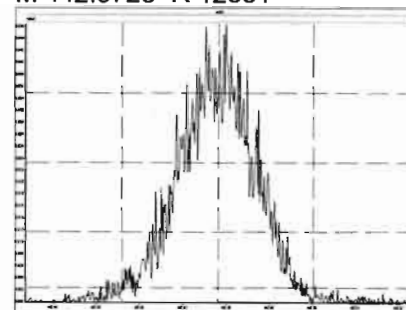
M 416.9760 R 12462



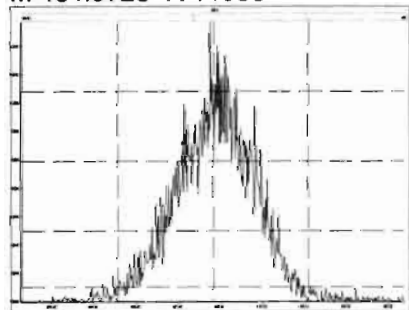
M 430.9728 R 11161



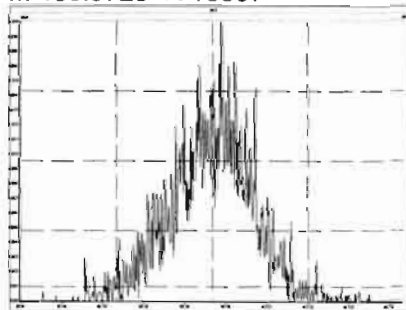
M 442.9728 R 12331



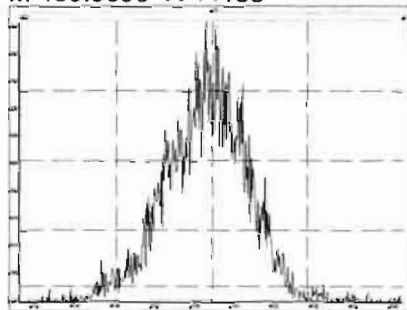
M 454.9728 R 11936



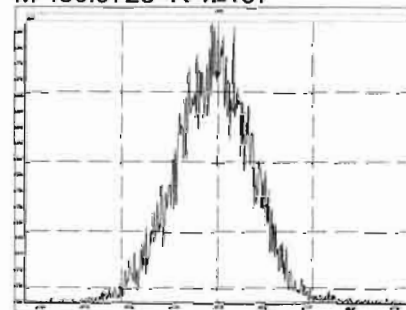
M 466.9728 R 13307



M 480.9696 R 11138

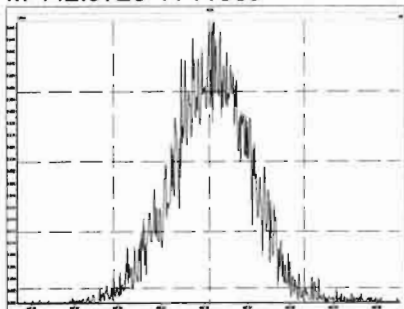


M 430.9728 R 12197

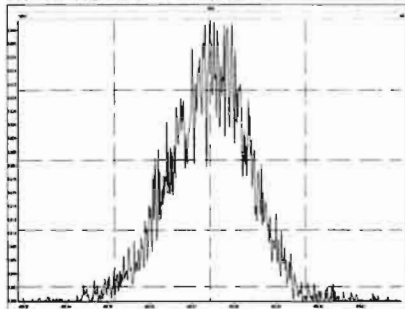


Printed: Thursday, January 30, 2020 03:25:31 Pacific Standard Time

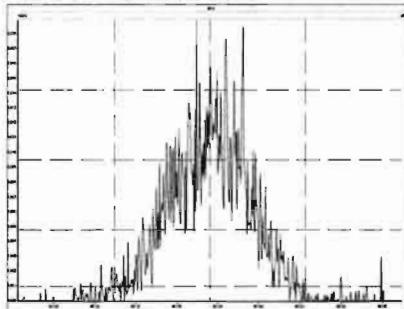
M 442.9728 R 11669



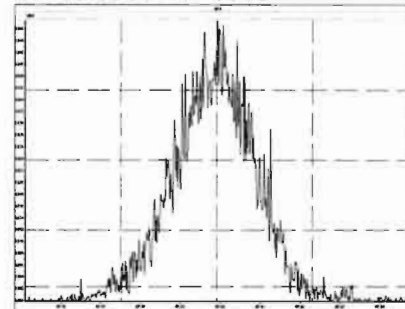
M 454.9728 R 11487



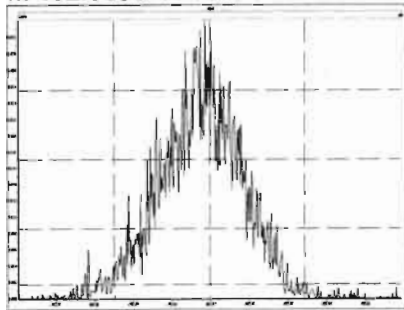
M 466.9728 R 13420



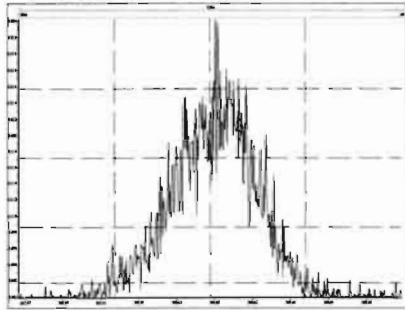
M 480.9696 R 11850



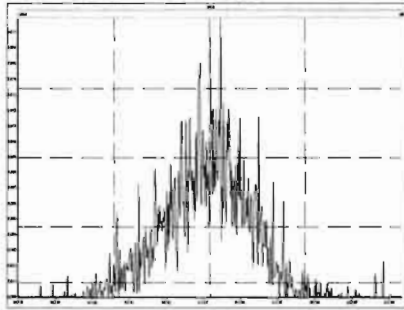
M 492.9696 R 10874



M 504.9696 R 11600



M 516.9697 R 15395



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200129K2-1

Reviewed By: CT 01/31/2020
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"/>	<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>He</u>	<u>D</u>
<u>Run Log:</u>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> NA
- Samples within 12 hour clock?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
- Bottle position verified?	<u>He</u>	

	<u>Beg.</u>	<u>End</u>
Mass resolution \geq	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614 1699 429 1613/1668/8280		
Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> NA
GC Break <20%		<input checked="" type="checkbox"/> NA
<u>8280 CS1 End Standard:</u>		
- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		<input checked="" type="checkbox"/> NA

Comments:

Dataset: U:\VG11.PRO\Results\200129K2\200129K2-2.qld

Last Altered: Thursday, January 30, 2020 11:19:25 Pacific Standard Time

Printed: Thursday, January 30, 2020 11:19:44 Pacific Standard Time

Handwritten: 1/30/2020

Handwritten: C7 01/31/2020

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K2_2, Date: 30-Jan-2020, Time: 04:12:28, ID: ST200129K2_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	6.52e4	6.94e5	0.76	NO	0.943	26.11	26.09	NO	1.001	1.001	9.9671	99.7	NO
2	2 1,2,3,7,8-PeCDD	2.10e5	4.85e5	0.62	NO	0.897	31.27	31.25	NO	1.001	1.000	48.344	96.7	NO
3	3 1,2,3,4,7,8-HxCDD	1.72e5	3.00e5	1.25	NO	1.17	34.60	34.60	NO	1.000	1.000	49.137	98.3	NO
4	4 1,2,3,6,7,8-HxCDD	1.86e5	3.91e5	1.22	NO	1.01	34.69	34.70	NO	1.000	1.000	47.372	94.7	NO
5	5 1,2,3,7,8,9-HxCDD	1.58e5	3.11e5	1.24	NO	0.982	35.00	34.98	NO	1.001	1.000	51.580	103	NO
6	6 1,2,3,4,6,7,8-HpCDD	1.14e5	2.25e5	1.04	NO	1.06	38.46	38.45	NO	1.000	1.000	47.872	95.7	NO
7	7 OCDD	2.01e5	4.08e5	0.88	NO	1.04	41.68	41.69	NO	1.000	1.000	94.435	94.4	NO
8	8 2,3,7,8-TCDF	9.92e4	1.06e6	0.78	NO	0.970	25.09	25.10	NO	1.001	1.001	9.6786	96.8	NO
9	9 1,2,3,7,8-PeCDF	3.62e5	7.30e5	1.58	NO	0.958	29.96	29.94	NO	1.001	1.000	51.697	103	NO
10	10 2,3,4,7,8-PeCDF	3.76e5	7.62e5	1.62	NO	1.01	30.96	30.95	NO	1.001	1.001	48.976	98.0	NO
11	11 1,2,3,4,7,8-HxCDF	2.88e5	5.10e5	1.24	NO	1.16	33.74	33.75	NO	1.000	1.000	48.518	97.0	NO
12	12 1,2,3,6,7,8-HxCDF	3.23e5	5.82e5	1.27	NO	1.14	33.86	33.87	NO	1.000	1.001	48.558	97.1	NO
13	13 2,3,4,6,7,8-HxCDF	2.97e5	4.95e5	1.22	NO	1.21	34.45	34.44	NO	1.001	1.001	49.448	98.9	NO
14	14 1,2,3,7,8,9-HxCDF	2.10e5	3.78e5	1.25	NO	1.13	35.29	35.32	NO	1.000	1.001	49.006	98.0	NO
15	15 1,2,3,4,6,7,8-HpCDF	2.09e5	3.62e5	1.04	NO	1.19	37.07	37.04	NO	1.001	1.000	48.596	97.2	NO
16	16 1,2,3,4,7,8,9-HpCDF	1.42e5	2.13e5	1.04	NO	1.39	39.07	39.08	NO	1.000	1.000	48.062	96.1	NO
17	17 OCDF	2.61e5	5.23e5	0.91	NO	1.06	41.88	41.90	NO	1.000	1.001	94.249	94.2	NO
18	18 13C-2,3,7,8-TCDD	6.94e5	6.20e5	0.78	NO	1.17	26.07	26.08	NO	1.027	1.028	95.360	95.4	NO
19	19 13C-1,2,3,7,8-PeCDD	4.85e5	6.20e5	0.62	NO	0.773	31.25	31.25	NO	1.232	1.232	101.17	101	NO
20	20 13C-1,2,3,4,7,8-HxCDD	3.00e5	5.49e5	1.29	NO	0.600	34.59	34.59	NO	1.014	1.014	91.122	91.1	NO
21	21 13C-1,2,3,6,7,8-HxCDD	3.91e5	5.49e5	1.29	NO	0.763	34.69	34.69	NO	1.017	1.017	93.399	93.4	NO
22	22 13C-1,2,3,7,8,9-HxCDD	3.11e5	5.49e5	1.24	NO	0.676	34.96	34.97	NO	1.025	1.025	83.901	83.9	YES
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.25e5	5.49e5	1.06	NO	0.455	38.46	38.44	NO	1.127	1.127	90.100	90.1	NO
24	24 13C-OCDD	4.08e5	5.49e5	0.90	NO	0.371	41.68	41.68	NO	1.222	1.222	200.30	100	NO
25	25 13C-2,3,7,8-TCDF	1.06e6	1.05e6	0.78	NO	1.07	25.08	25.07	NO	0.989	0.988	94.425	94.4	NO
26	26 13C-1,2,3,7,8-PeCDF	7.30e5	1.05e6	1.57	NO	0.765	29.94	29.94	NO	1.180	1.180	91.244	91.2	NO
27	27 13C-2,3,4,7,8-PeCDF	7.62e5	1.05e6	1.57	NO	0.726	30.94	30.93	NO	1.220	1.219	100.29	100	NO
28	28 13C-1,2,3,4,7,8-HxCDF	5.10e5	5.49e5	0.54	NO	0.965	33.73	33.74	NO	0.989	0.989	96.316	96.3	NO
29	29 13C-1,2,3,6,7,8-HxCDF	5.82e5	5.49e5	0.51	NO	1.09	33.85	33.85	NO	0.992	0.992	96.913	96.9	NO
30	30 13C-2,3,4,6,7,8-HxCDF	4.95e5	5.49e5	0.51	NO	0.984	34.42	34.42	NO	1.009	1.009	91.801	91.8	NO
31	31 13C-1,2,3,7,8,9-HxCDF	3.78e5	5.49e5	0.53	NO	0.790	35.32	35.29	NO	1.035	1.034	87.275	87.3	NO

Dataset: U:\VG11.PRO\Results\200129K2\200129K2-2.qld

Last Altered: Thursday, January 30, 2020 11:19:25 Pacific Standard Time
Printed: Thursday, January 30, 2020 11:19:44 Pacific Standard Time

Name: 200129K2_2, Date: 30-Jan-2020, Time: 04:12:28, ID: ST200129K2_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	3.62e5	5.49e5	0.46	NO	0.734	37.03	37.03	NO	1.085	1.085	90.071	90.1	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.13e5	5.49e5	0.46	NO	0.459	39.06	39.07	NO	1.145	1.145	84.766	84.8	NO
34	34 13C-OCDF	5.23e5	5.49e5	0.90	NO	0.500	41.92	41.88	NO	1.229	1.227	190.40	95.2	NO
35	35 37Cl-2,3,7,8-TCDD	6.48e4	6.20e5			1.12	26.09	26.09	NO	1.028	1.028	9.2919	92.9	NO
36	36 13C-1,2,3,4-TCDD	6.20e5	6.20e5	0.79	NO	1.00	25.36	25.37	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	1.05e6	1.05e6	0.78	NO	1.00	23.43	23.45	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	5.49e5	5.49e5	0.54	NO	1.00	34.10	34.12	NO	1.000	1.000	100.00	100	NO

Dataset: Untitled

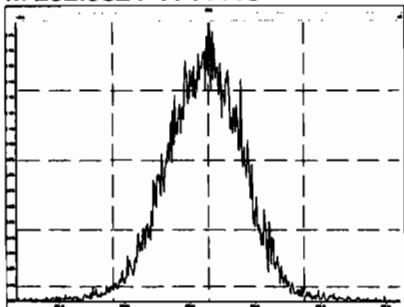
Last Altered: Thursday, January 30, 2020 17:07:39 Pacific Standard Time
Printed: Thursday, January 30, 2020 17:07:50 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19
Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

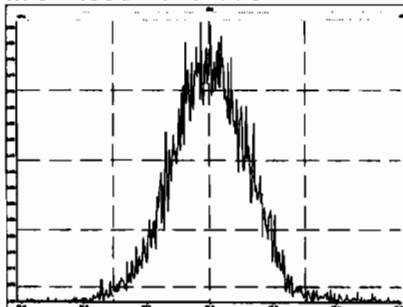
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	200129K2_1	SOLVENT BLANK	30-Jan-20	03:25:33
2	200129K2_2	ST200129K2_1 1613 CS3 19L2305	30-Jan-20	04:12:28
3	200129K2_3	B0A0102-BS1 OPR 1	30-Jan-20	05:00:49
4	200129K2_4	SOLVENT BLANK	30-Jan-20	05:49:15
5	200129K2_5	B0A0102-BLK1 Method Blank 1	30-Jan-20	06:38:52
6	200129K2_6	1904140-09RE1 9432_110119WGN 0.5086	30-Jan-20	07:26:58
7	200129K2_7	1903650-11 PDI-092SC-B-02-04-191011 19.53	30-Jan-20	08:14:21
8	200129K2_8	1903650-12 PDI-092SC-B-04-06-191011 17.8	30-Jan-20	09:02:45
9	200129K2_9	1903650-13 PDI-092SC-B-06-08-191011 16.18	30-Jan-20	09:51:08
10	200129K2_10	B0A0018-DUP2@20X Duplicate 42.46	30-Jan-20	10:39:31
11	200129K2_11	1903650-13 PDI-092SC-B-06-08-191011 16.18	30-Jan-20	11:29:24
12	200129K2_12	1904313-01@5X C1219-EB071SG-000015 42...	30-Jan-20	12:17:39
13	200129K2_13	B0A0018-DUP2@5X Duplicate 42.46	30-Jan-20	13:06:04
14	200129K2_14	1903650-11@5X PDI-092SC-B-02-04-191011 ...	30-Jan-20	13:54:06
15	200129K2_15	1903650-01@10X PDI-066SC-B-00-02-19101...	30-Jan-20	14:41:26
16	200129K2_16	1903650-02@15X PDI-066SC-B-02-04-19101...	30-Jan-20	15:29:48

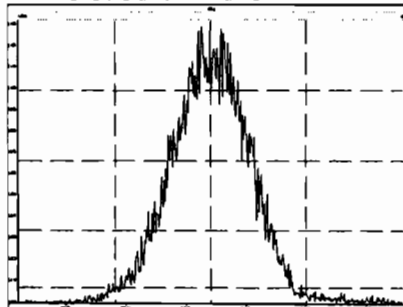
M 292.9824 R 11118



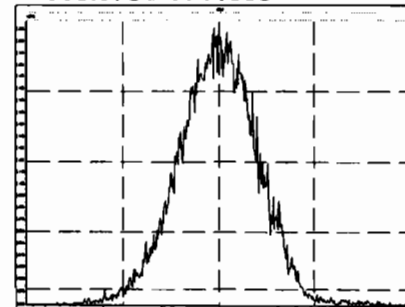
M 304.9824 R 11775



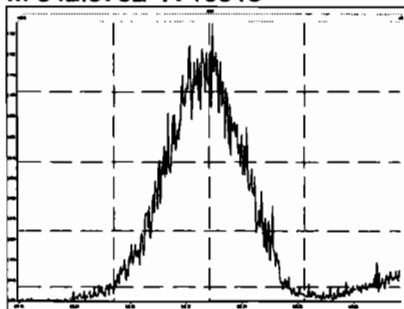
M 318.9792 R 11218



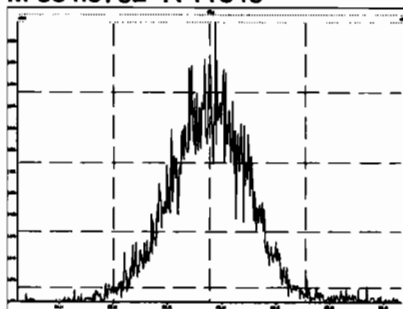
M 330.9792 R 11063



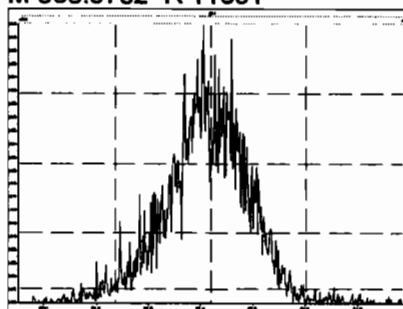
M 342.9792 R 10918



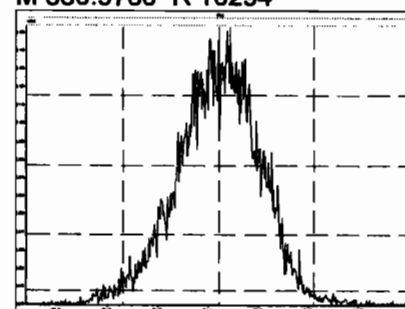
M 354.9792 R 11849



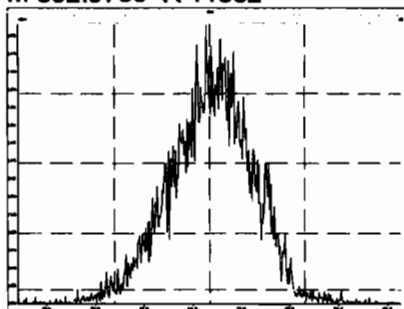
M 366.9792 R 11691



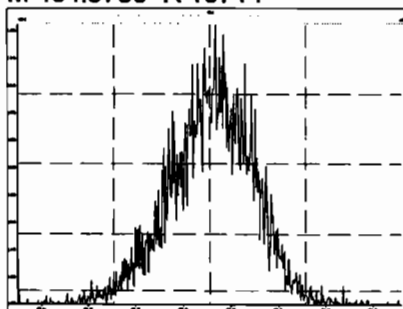
M 380.9760 R 10294



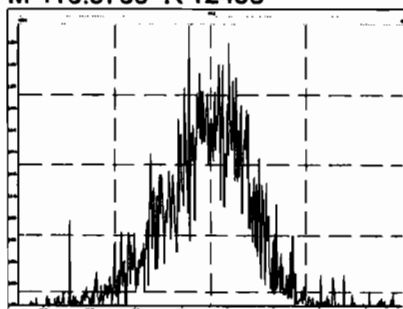
M 392.9760 R 11382



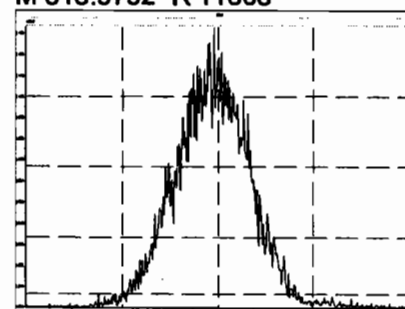
M 404.9760 R 10714



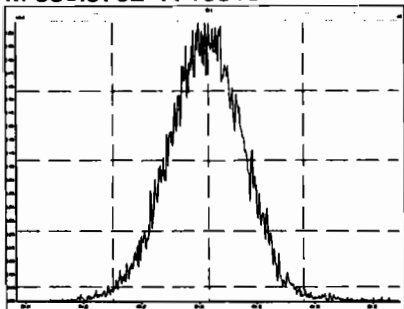
M 416.9760 R 12496



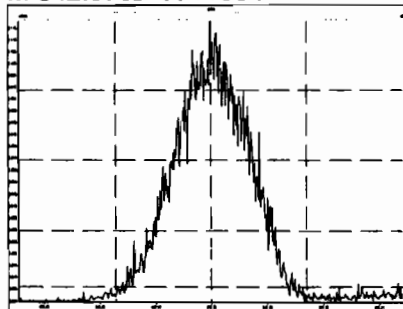
M 318.9792 R 11608



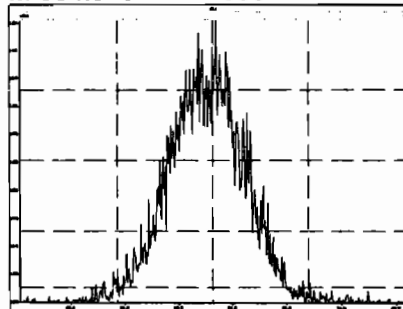
M 330.9792 R 10810



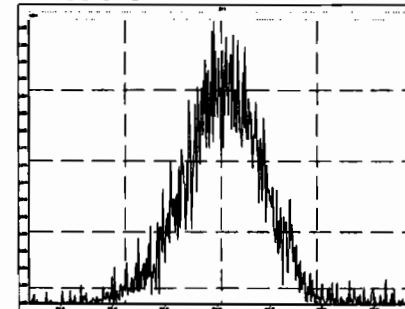
M 342.9792 R 11354



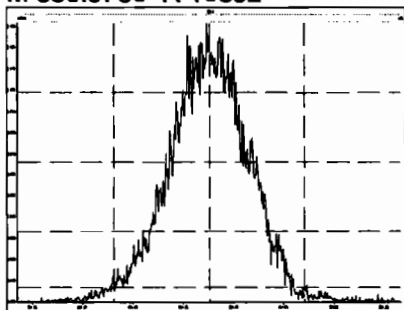
M 354.9792 R 11656



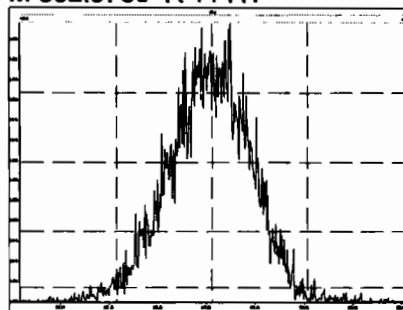
M 366.9792 R 11444



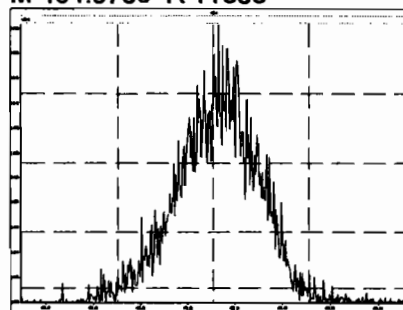
M 380.9760 R 10892



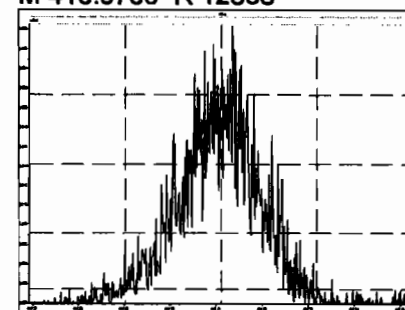
M 392.9760 R 11417



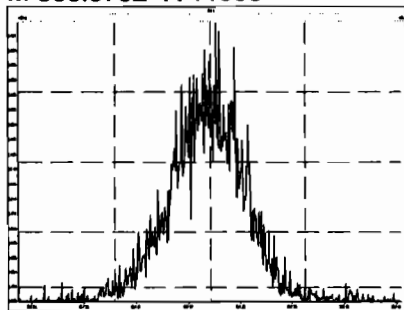
M 404.9760 R 11565



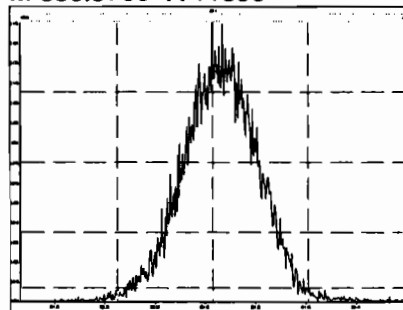
M 416.9760 R 12358



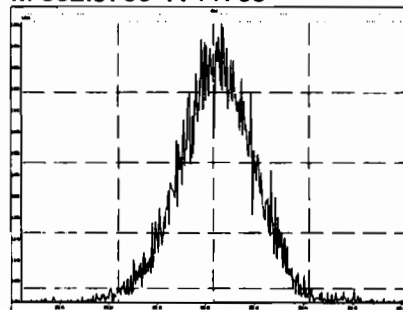
M 366.9792 R 11998



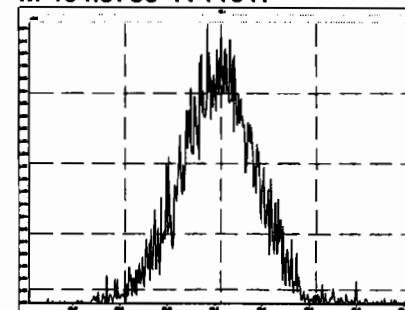
M 380.9760 R 11390



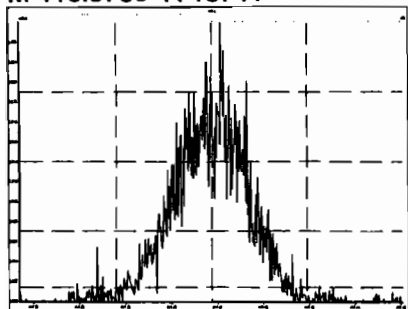
M 392.9760 R 11709



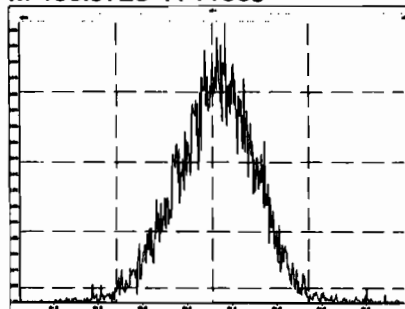
M 404.9760 R 11917



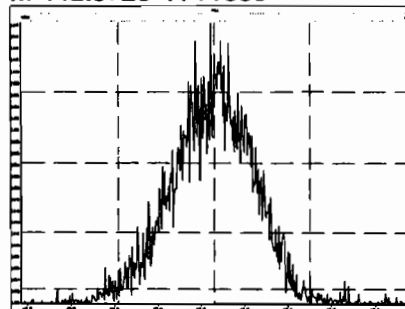
M 416.9760 R 13741



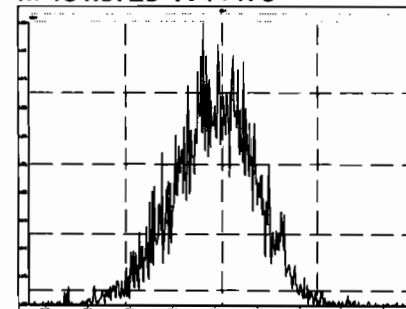
M 430.9728 R 11669



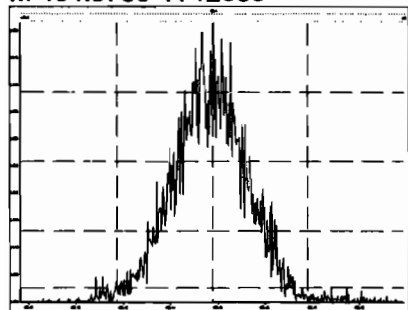
M 442.9728 R 11660



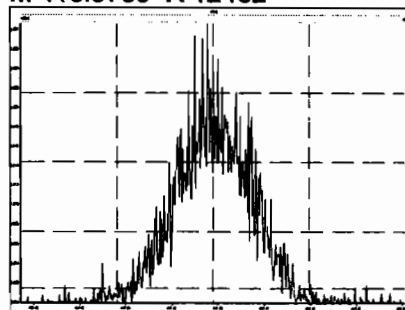
M 454.9728 R 11476



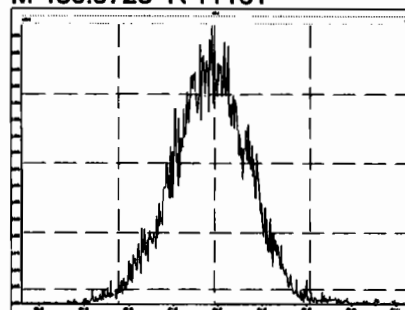
M 404.9760 R 12565



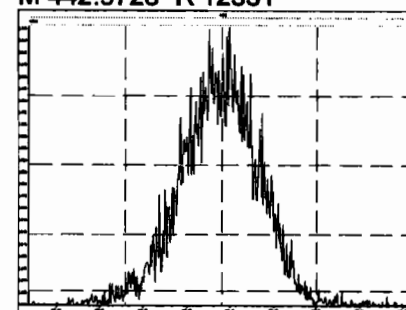
M 416.9760 R 12462



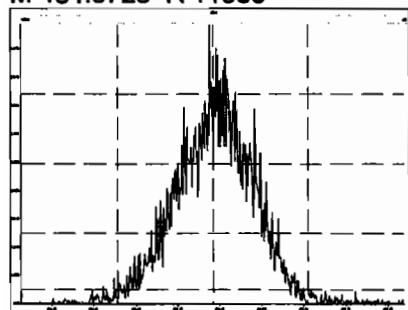
M 430.9728 R 11161



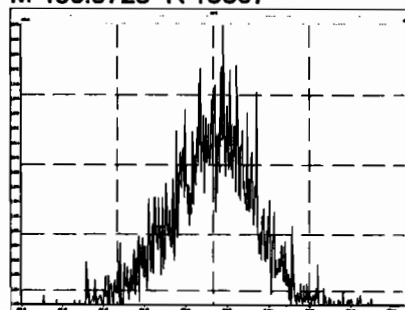
M 442.9728 R 12331



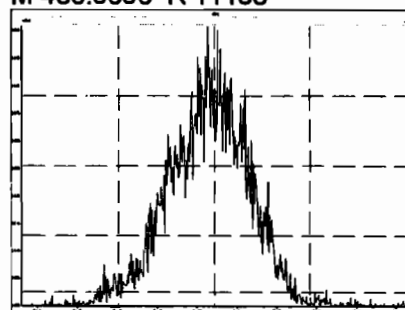
M 454.9728 R 11936



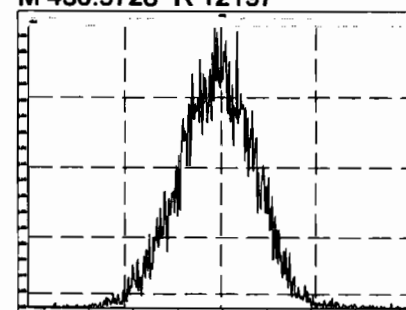
M 466.9728 R 13307



M 480.9696 R 11138

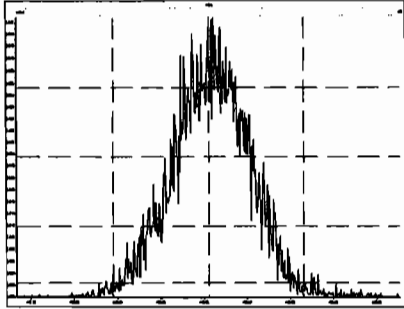


M 430.9728 R 12197

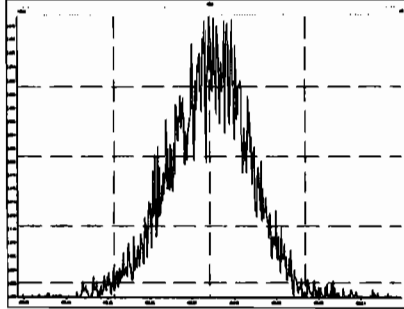


Printed: Thursday, January 30, 2020 03:25:31 Pacific Standard Time

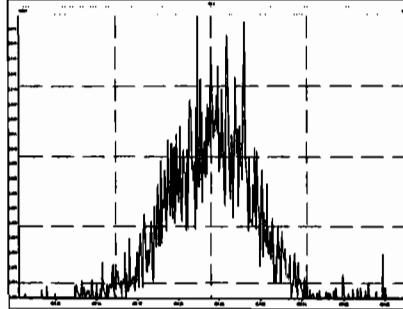
M 442.9728 R 11669



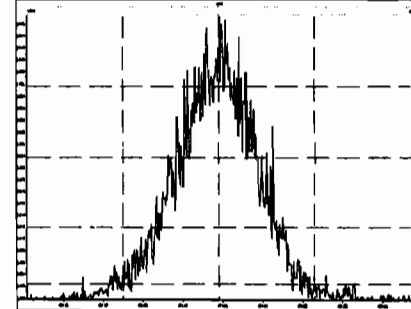
M 454.9728 R 11487



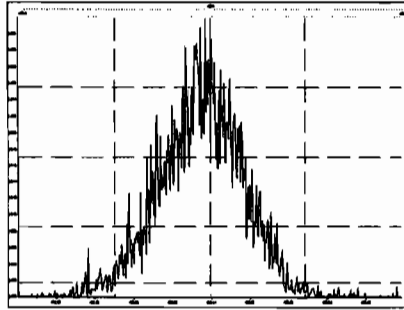
M 466.9728 R 13420



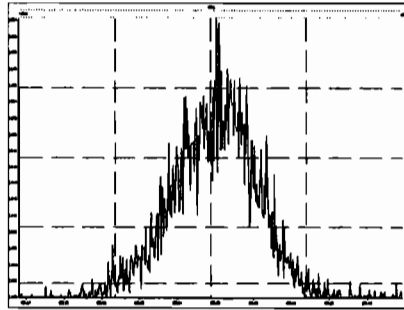
M 480.9696 R 11850



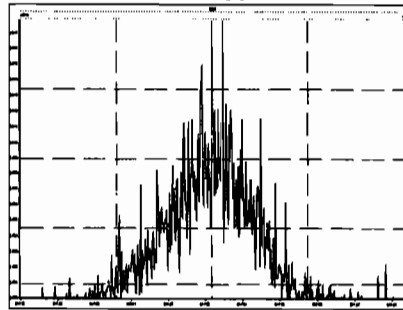
M 492.9696 R 10874



M 504.9696 R 11600



M 516.9697 R 15395



Dataset: Untitled

Last Altered: Thursday, January 30, 2020 10:53:37 Pacific Standard Time

Printed: Thursday, January 30, 2020 10:53:50 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\CPSM.mdb 18 Dec 2019 17:58:17

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K2_2, Date: 30-Jan-2020, Time: 04:12:28, ID: ST200129K2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1,3,6,8-TCDD (First)	21.73
2	1,2,8,9-TCDD (Last)	27.12
3	1,2,4,7,9-PeCDD (First)	29.01
4	1,2,3,8,9-PeCDD (Last)	31.65
5	1,2,4,6,7,9-HxCDD (First)	33.14
6	1,2,3,7,8,9-HxCDD (Last)	34.98
7	1,2,3,4,6,7,9-HpCDD (First)	37.43
8	1,2,3,4,6,7,8-HpCDD (Last)	38.45
9	1,3,6,8-TCDF (First)	19.70
10	1,2,8,9-TCDF (Last)	27.27
11	1,3,4,6,8-PeCDF (First)	27.25
12	1,2,3,8,9-PeCDF (Last)	31.87
13	1,2,3,4,6,8-HxCDF (First)	32.60
14	1,2,3,7,8,9-HxCDF (Last)	35.32
15	1,2,3,4,6,7,8-HpCDF (First)	37.04
16	1,2,3,4,7,8,9-HpCDF (Last)	39.08

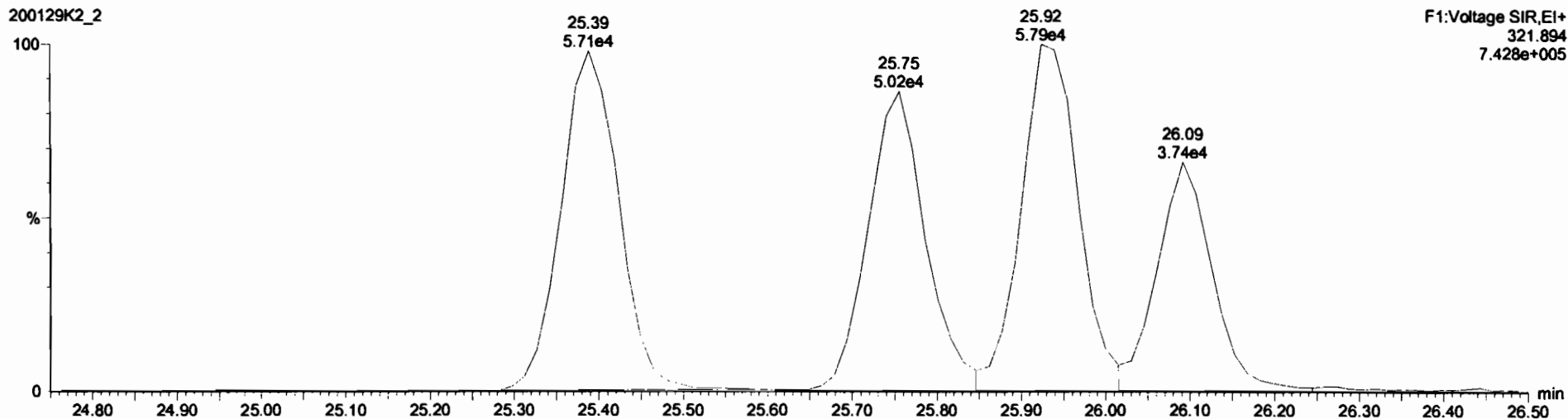
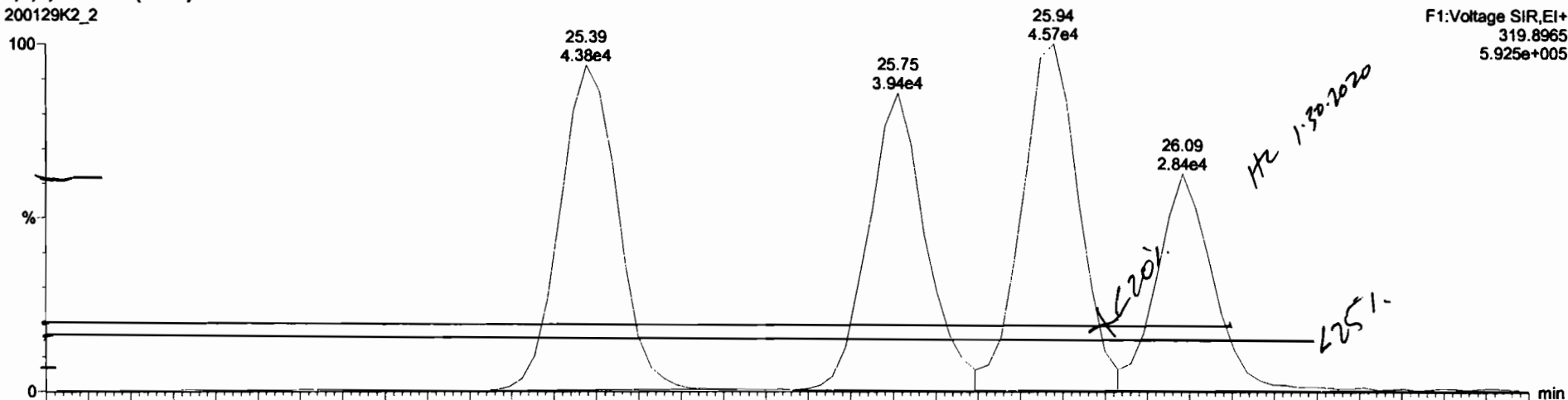
Dataset: Untitled

Last Altered: Thursday, January 30, 2020 10:53:37 Pacific Standard Time
Printed: Thursday, January 30, 2020 10:53:50 Pacific Standard Time

Method: U:\VG11.PROMethDB\CPSM.mdb 18 Dec 2019 17:58:17
Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200129K2_2, Date: 30-Jan-2020, Time: 04:12:28, ID: ST200129K2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,3,6,8-TCDD (First)
200129K2_2



Dataset: Untitled

Last Altered: Thursday, January 30, 2020 11:05:42 Pacific Standard Time

Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

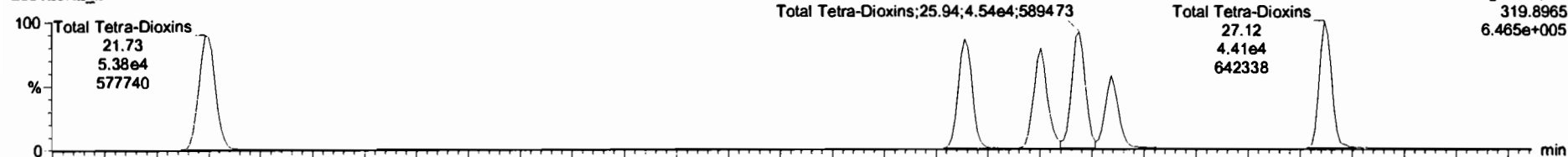
Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

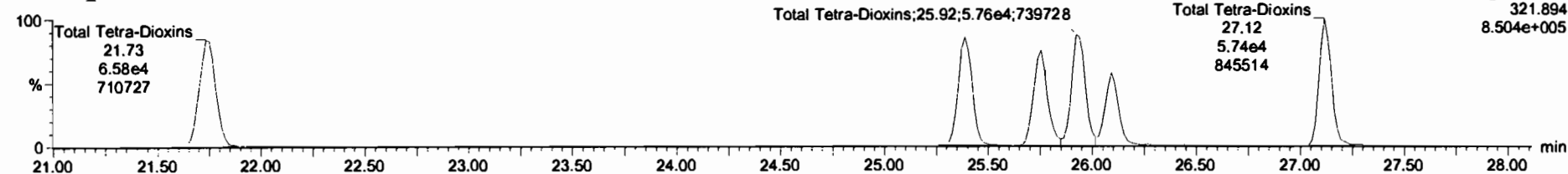
Name: 200129K2_2, Date: 30-Jan-2020, Time: 04:12:28, ID: ST200129K2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDD

200129K2_2

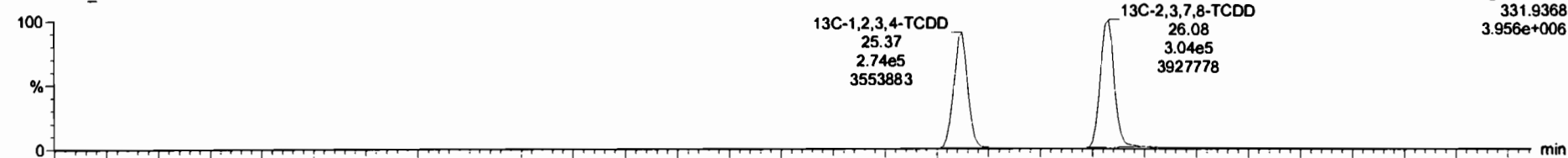


200129K2_2

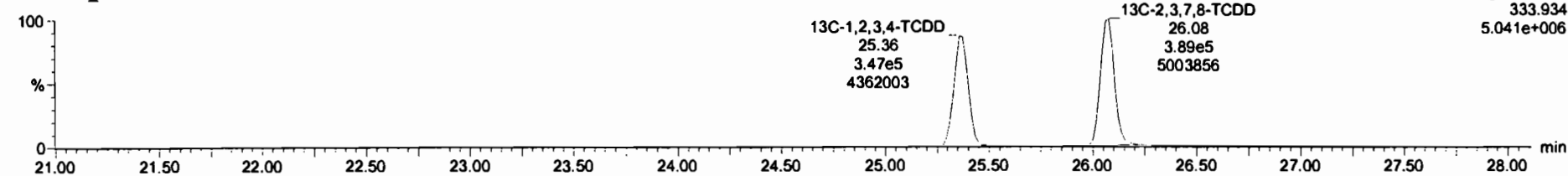


13C-2,3,7,8-TCDD

200129K2_2



200129K2_2



Dataset: Untitled

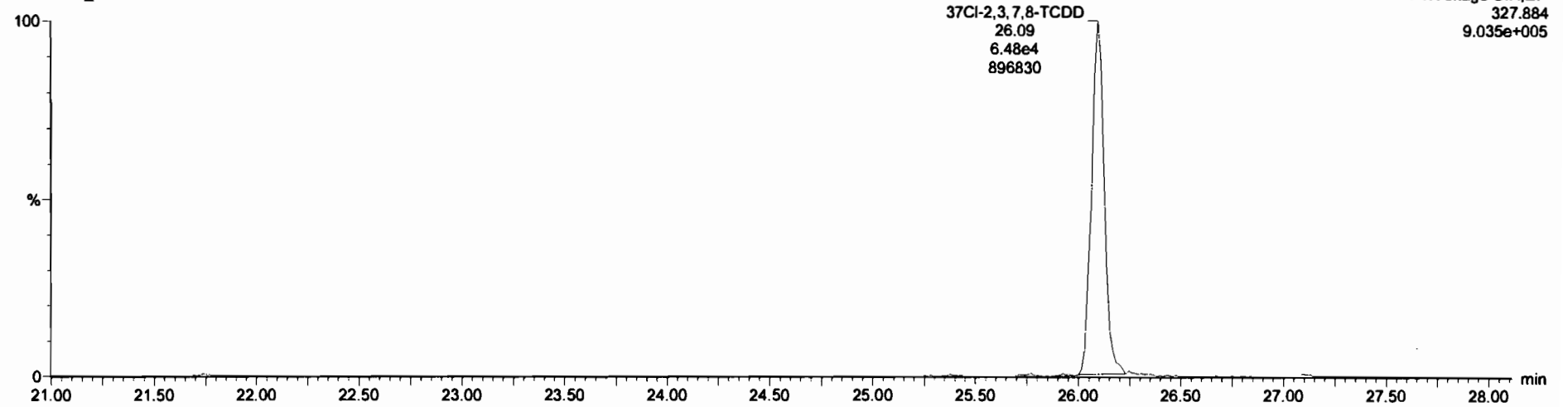
Last Altered: Thursday, January 30, 2020 11:05:42 Pacific Standard Time

Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

Name: 200129K2_2, Date: 30-Jan-2020, Time: 04:12:28, ID: ST200129K2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

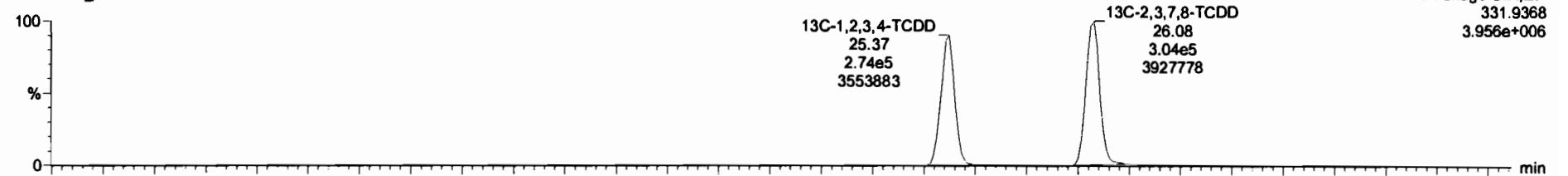
37Cl-2,3,7,8-TCDD

200129K2_2

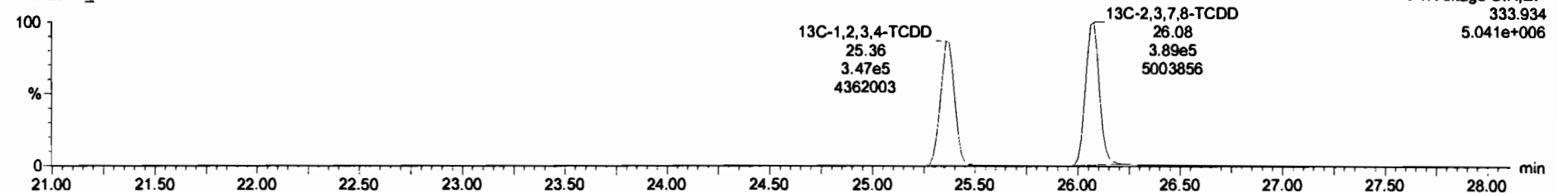


13C-1,2,3,4-TCDD

200129K2_2



200129K2_2



Dataset: Untitled

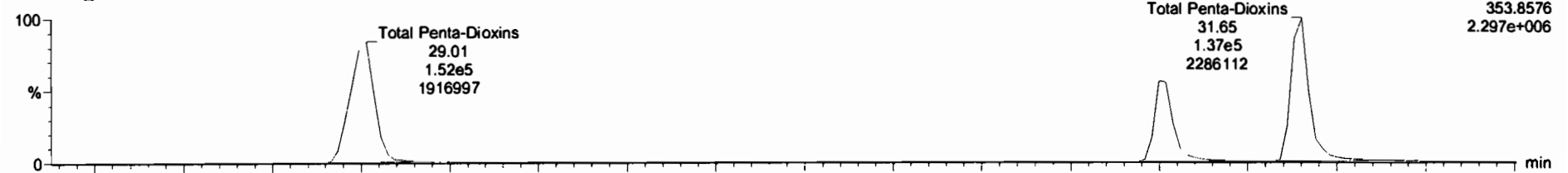
Last Altered: Thursday, January 30, 2020 11:05:42 Pacific Standard Time

Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

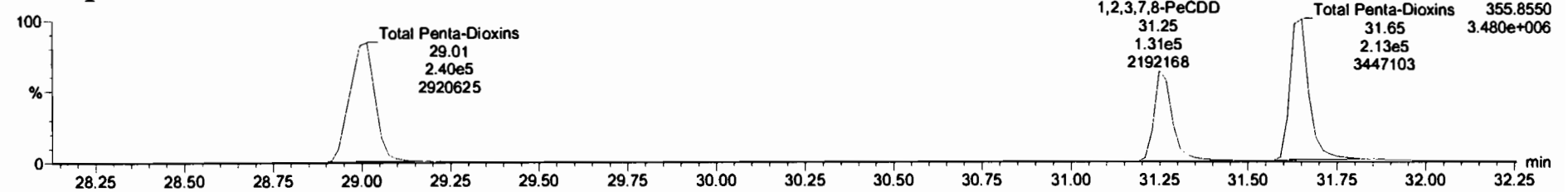
Name: 200129K2_2, Date: 30-Jan-2020, Time: 04:12:28, ID: ST200129K2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,2,3,7,8-PeCDD

200129K2_2

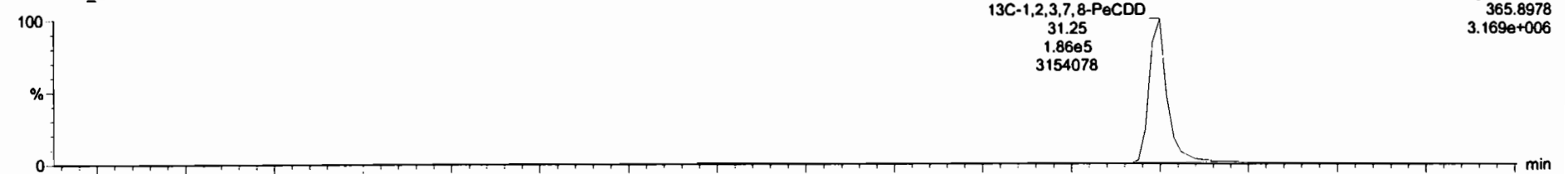


200129K2_2

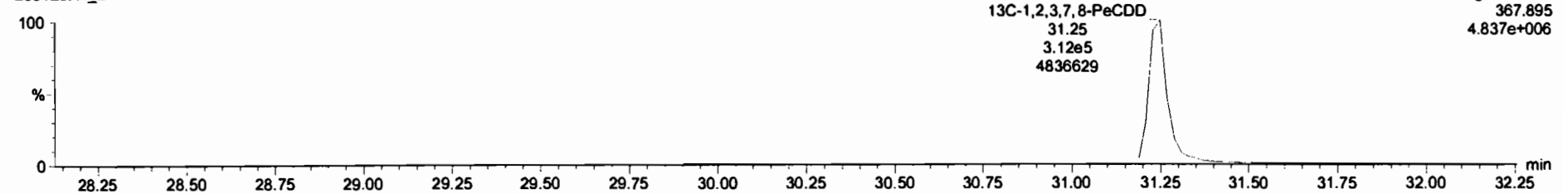


13C-1,2,3,7,8-PeCDD

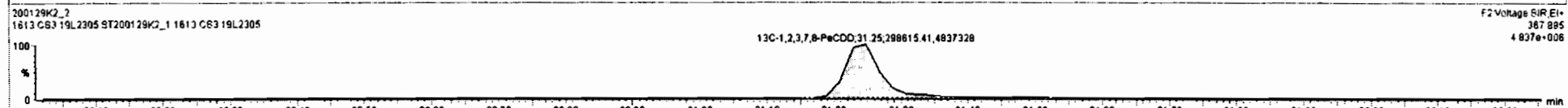
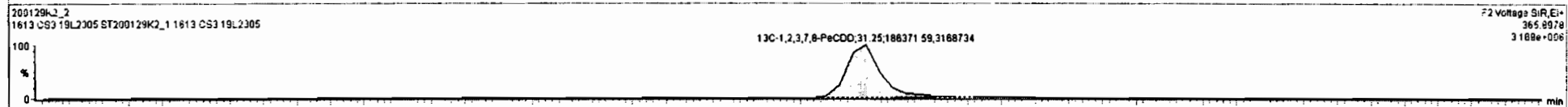
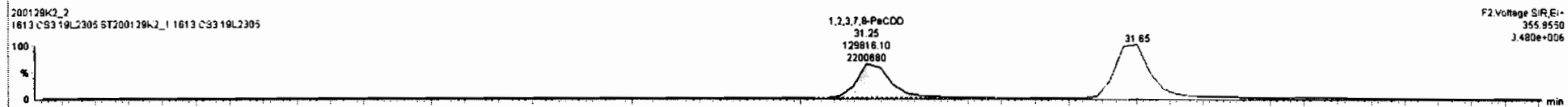
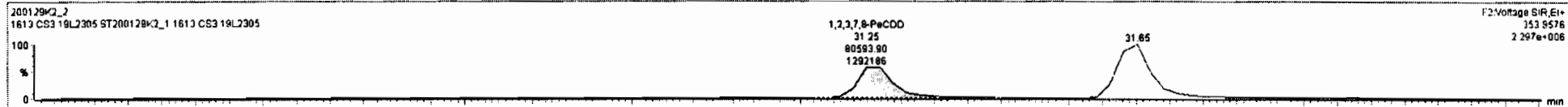
200129K2_2



200129K2_2



#	Name	Resp	IS Resp	Prod RA	RA	nY	RF	Prod RT	RT	RT Flag	Prod/RT	RRT	Conc.	%Rec	STD out
1	2,3,7,8-TCDD	6.52e4	6.94e5	0.77	0.76	NO	0.8431	26.11	26.09	NO	1.001	1.001	9.97	98.7	NO
2	1,2,3,7,8-PeCDD	2.10e5	4.85e5	0.83	0.82	NO	0.8874	31.27	31.25	NO	1.001	1.000	48.3	98.7	NO
3	1,2,3,4,7,8-HxCDD	1.72e5	2.95e5	1.24	1.25	NO	1.1680	34.60	34.60	NO	1.000	1.000	49.9	99.7	NO
4	1,2,3,6,7,8-HxCDD	1.97e5	4.04e5	1.24	1.19	NO	1.0088	34.69	34.70	NO	1.000	1.000	48.4	98.9	NO
5	1,2,3,7,8-HxCDF	1.70e5	3.34e5	1.24	1.06	NO	0.9620	35.00	34.88	NO	1.001	1.000	51.9	104	NO
6	1,2,3,4,6,7,8-HpCDD	1.22e5	2.40e5	1.04	1.08	NO	1.0622	36.46	36.46	NO	1.000	1.000	48.0	96.0	NO
7	OCDD	2.21e5	4.50e5	0.88	0.88	NO	1.0440	41.68	41.68	NO	1.000	1.000	94.2	94.2	NO
8	2,3,7,8-TCDF	8.92e4	1.06e5	0.77	0.78	NO	0.9700	25.09	25.10	NO	1.001	1.001	9.88	95.8	NO
9	1,2,3,7,8-PeCDF	3.63e5	7.84e5	1.55	1.58	NO	0.9580	29.98	29.94	NO	1.001	1.000	48.1	95.3	NO
10	1,2,3,4,7,8-HxCDF	3.80e5	7.83e5	1.55	1.57	NO	1.0074	30.96	30.95	NO	1.001	1.001	49.5	99.0	NO
11	1,2,3,4,6,7,8-HpCDF	2.88e5	5.10e5	1.24	1.24	NO	1.1632	33.74	33.75	NO	1.000	1.000	48.5	97.0	NO
12	1,2,3,6,7,8-HxCDF	3.43e5	6.15e5	1.24	1.26	NO	1.1431	33.88	33.87	NO	1.000	1.001	48.8	97.6	NO
13	1,2,3,4,6,7,8-HpCDF	3.09e5	5.38e5	1.24	1.16	NO	1.2131	34.45	34.44	NO	1.001	1.001	47.4	94.8	NO
14	1,2,3,7,8-HxCDF	2.19e5	4.12e5	1.24	1.29	NO	1.1349	35.29	35.32	NO	1.000	1.001	46.9	93.8	NO
15	1,2,3,4,6,7,8-HpCDF	2.26e5	3.85e5	1.04	1.05	NO	1.1881	37.07	37.04	NO	1.001	1.000	49.4	98.7	NO
16	1,2,3,4,7,8-HpCDF	1.51e5	2.33e5	1.04	1.04	NO	1.3896	39.07	39.08	NO	1.000	1.000	48.8	93.6	NO
17	OCDF	3.00e5	5.85e5	0.89	0.93	NO	1.0614	41.86	41.80	NO	1.000	1.001	96.7	96.7	NO
18	13C-2,3,7,8-TCDD	6.94e5	6.20e5	0.77	0.78	NO	1.1733	26.07	26.08	NO	1.027	1.028	95.4	95.4	NO
19	13C-1,2,3,7,8-PeCDD	4.85e5	6.20e5	0.63	0.62	NO	0.7731	31.25	31.25	NO	1.232	1.232	101	101	NO



Dataset: Untitled

Last Altered: Thursday, January 30, 2020 11:05:42 Pacific Standard Time
Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

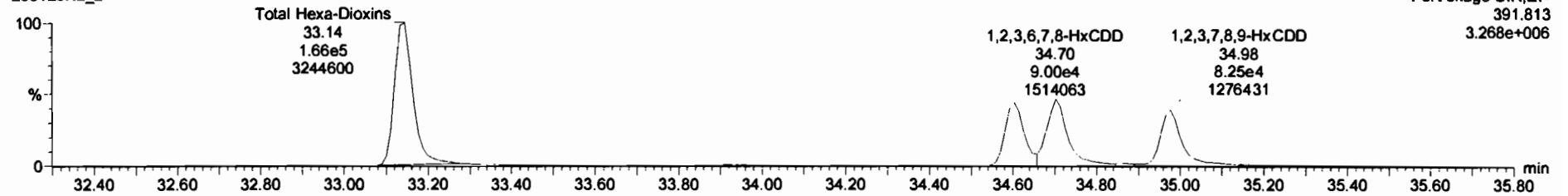
Name: 200129K2_2, Date: 30-Jan-2020, Time: 04:12:28, ID: ST200129K2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200129K2_2

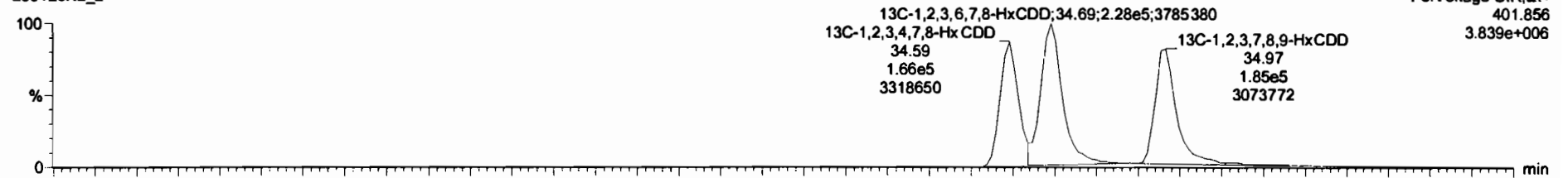


200129K2_2

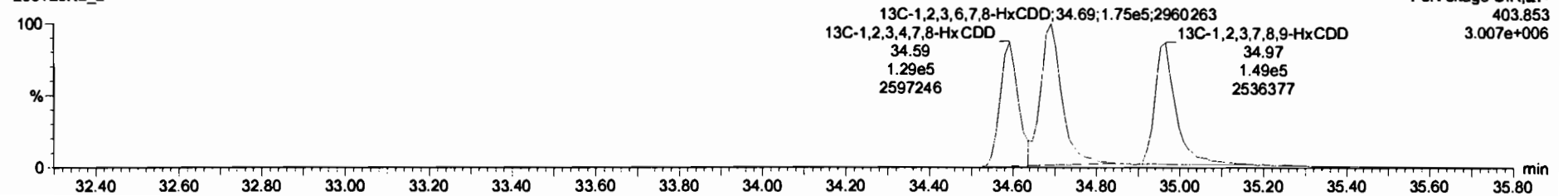


13C-1,2,3,4,7,8-HxCDD

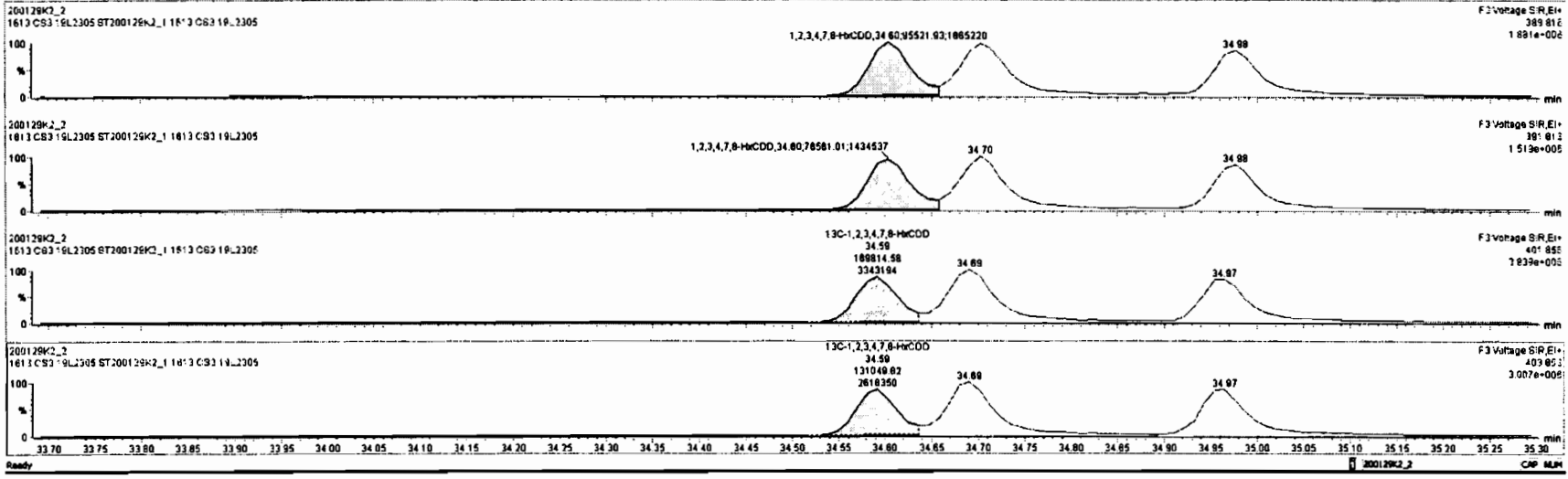
200129K2_2

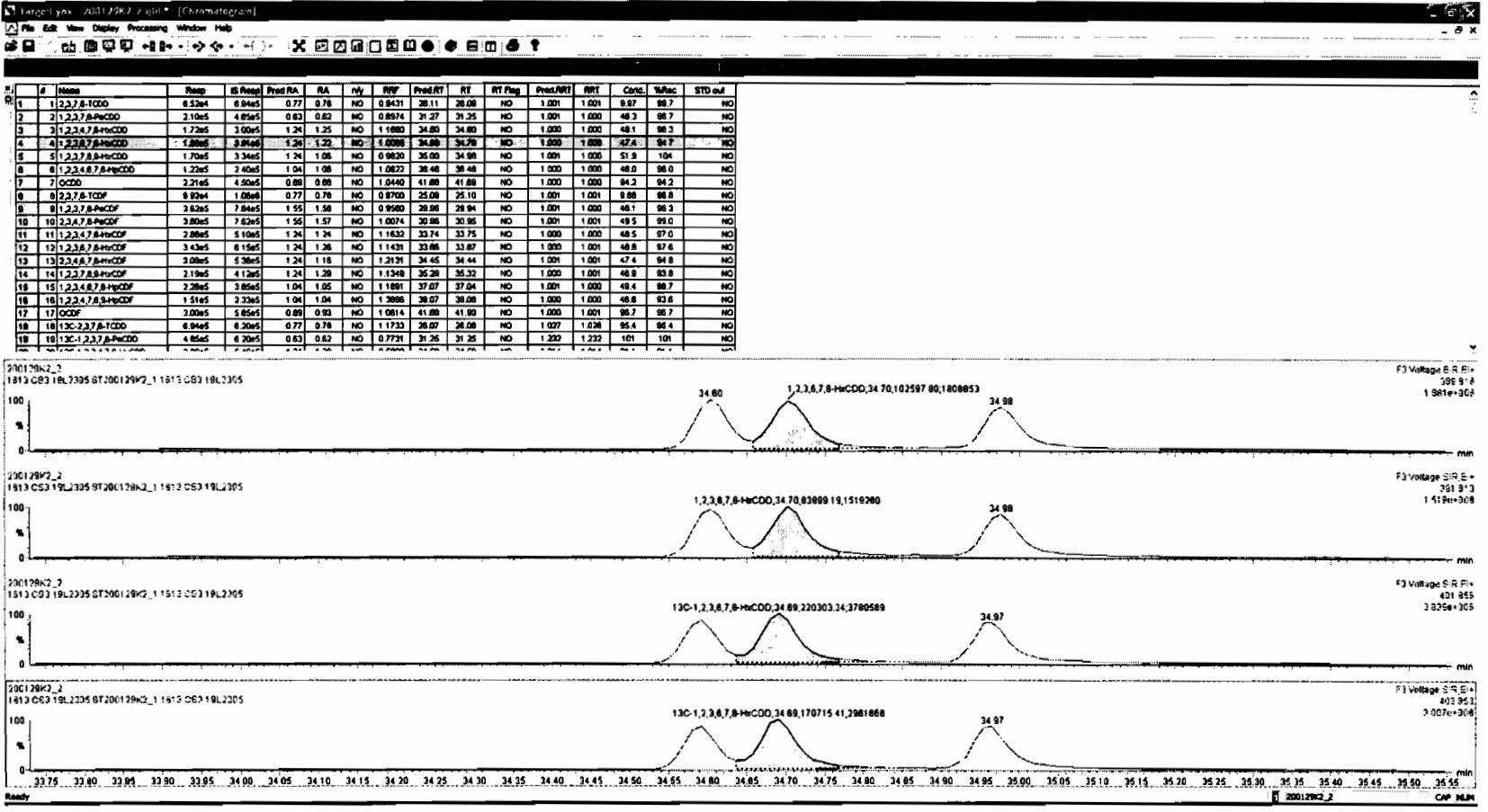


200129K2_2

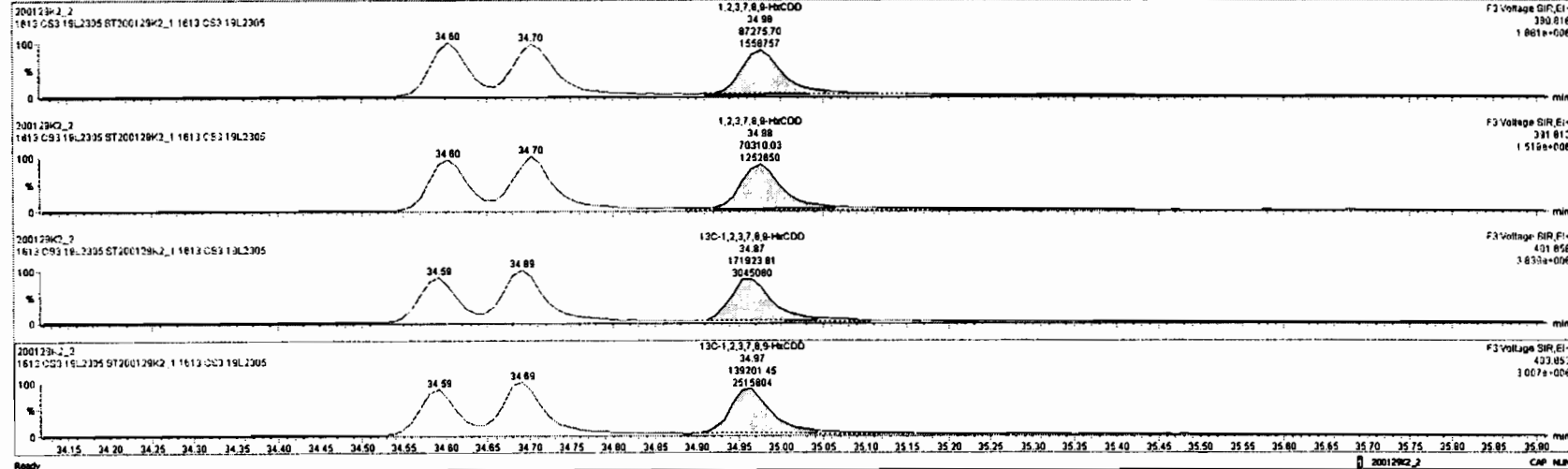


#	ID	Name	Resp	SI Resp	Prod RA	RA	nty	RNF	Prod RT	RT	RT Flag	Prod RRT	RRT	Comp	%Rec	STD out
1	1	2,3,7,8-TCDD	6.52e4	6.94e5	0.77	0.76	NO	0.9431	26.11	26.08	NO	1.001	1.001	9.97	96.7	NO
2	2	1,2,3,7,8-PeCDD	2.10e5	4.85e5	0.83	0.82	NO	0.8974	31.27	31.25	NO	1.001	1.000	49.3	96.7	NO
3	3	1,2,3,4,7,8-HxCDD	1.72e5	3.00e5	1.24	1.26	NO	1.3688	34.89	34.80	NO	1.880	1.880	49.1	96.3	NO
4	4	1,2,3,6,7,8-HxCDD	1.97e5	4.04e5	1.24	1.19	NO	1.0098	34.89	34.70	NO	1.000	1.000	49.4	96.9	NO
5	5	1,2,3,7,8,9-HxCDD	1.70e5	3.34e5	1.24	1.06	NO	0.9820	35.00	34.98	NO	1.001	1.000	51.8	104	NO
6	6	1,2,3,4,6,7,8-HpCDD	1.22e5	2.40e5	1.04	1.09	NO	1.0822	38.46	38.46	NO	1.000	1.000	48.0	96.0	NO
7	7	OCDD	2.21e5	4.50e5	0.89	0.89	NO	1.0440	41.88	41.88	NO	1.000	1.000	54.2	94.2	NO
8	8	2,3,7,8-TCDF	6.82e4	1.06e5	0.77	0.76	NO	0.9700	25.09	25.10	NO	1.001	1.001	9.88	96.8	NO
9	9	1,2,3,7,8-PeCDF	3.62e5	7.84e5	1.55	1.58	NO	0.9590	29.95	29.94	NO	1.001	1.000	48.1	96.3	NO
10	10	2,3,4,7,8-PeCDF	3.86e5	7.82e5	1.55	1.57	NO	1.0074	30.96	30.86	NO	1.001	1.001	48.5	99.0	NO
11	11	1,2,3,4,7,8-HxCDF	2.89e5	5.10e5	1.24	1.24	NO	1.1622	33.74	33.75	NO	1.000	1.000	48.5	97.0	NO
12	12	1,2,3,6,7,8-HxCDF	3.42e5	6.19e5	1.24	1.26	NO	1.1431	33.86	33.87	NO	1.000	1.001	48.8	97.6	NO
13	13	2,3,4,6,7,8-HxCDF	3.08e5	5.36e5	1.24	1.18	NO	1.2131	34.45	34.44	NO	1.001	1.001	47.4	94.6	NO
14	14	1,2,3,7,8,9-HxCDF	2.18e5	4.12e5	1.24	1.29	NO	1.1348	35.20	35.32	NO	1.000	1.001	48.9	93.8	NO
15	15	1,2,3,4,6,7,8-HpCDF	2.26e5	3.85e5	1.04	1.05	NO	1.1801	37.07	37.04	NO	1.001	1.000	49.4	98.7	NO
16	16	1,2,3,4,7,8,9-HpCDF	1.51e5	3.33e5	1.04	1.04	NO	1.3898	38.07	38.08	NO	1.000	1.000	46.8	93.6	NO
17	17	OCDF	3.00e5	5.85e5	0.89	0.83	NO	1.0814	41.88	41.80	NO	1.000	1.001	56.7	96.7	NO
18	18	1,2,3,7,8-TCDF	6.84e5	6.30e5	0.77	0.78	NO	1.1733	26.07	26.08	NO	1.027	1.028	95.4	95.4	NO
19	19	1,2,3,7,8-PeCDD	4.85e5	6.30e5	0.83	0.82	NO	0.7731	31.25	31.25	NO	1.232	1.232	101	101	NO





#	Peak	Height	Area	Area%	Height%	Retention	Retention	Retention	Predicted	Predicted	Retention	Concentration	Concentration	Std	
#	Peak	Height	Area	Area%	Height%	RT	RT	RT	RT	RT	RT	Conc	Conc	Std	
1	1,2,3,7,8-TCDD	6.52e4	6.34e5	0.77	0.78	NO	0.8431	26.11	26.08	NO	1.001	1.001	8.87	88.7	NO
2	1,2,3,7,8-PeCDD	2.10e5	4.85e5	0.83	0.82	NO	0.8874	31.27	31.25	NO	1.001	1.000	46.3	98.7	NO
3	1,2,3,4,7,8-HxCDD	1.72e5	3.00e5	1.24	1.25	NO	1.1880	34.80	34.80	NO	1.000	1.000	48.1	98.3	NO
4	1,2,3,6,7,8-HxCDD	1.88e5	3.91e5	1.24	1.22	NO	1.0088	34.89	34.70	NO	1.000	1.000	47.4	94.7	NO
5	1,2,3,7,8,9-HxCDD	1.28e5	3.11e5	1.24	1.24	NO	0.9929	34.89	34.88	NO	1.001	1.000	49.9	105	NO
6	1,2,3,4,6,7,8-HpCDD	1.22e5	2.40e5	1.04	1.08	NO	1.3822	38.46	38.45	NO	1.000	1.000	48.8	88.0	NO
7	OCDF	2.21e5	4.59e5	0.88	0.88	NO	1.0540	41.88	41.88	NO	1.000	1.000	94.2	94.2	NO
8	1,2,3,7,8,9-CDF	9.82e4	1.98e5	0.77	0.78	NO	0.8700	25.09	25.10	NO	1.001	1.001	9.88	98.8	NO
9	1,2,3,7,8-HxCDF	1.62e5	7.84e5	1.55	1.59	NO	0.8580	28.88	28.94	NO	1.001	1.000	48.1	98.3	NO
10	1,2,3,4,7,8-HxCDF	3.00e5	7.62e5	1.55	1.57	NO	1.0074	30.88	30.85	NO	1.001	1.001	49.5	98.0	NO
11	1,2,3,4,7,8-HxCDF	2.88e5	5.10e5	1.24	1.24	NO	1.1632	33.74	33.75	NO	1.000	1.000	48.5	87.0	NO
12	1,2,3,6,7,8-HpCDF	3.43e5	6.15e5	1.24	1.28	NO	1.1431	33.88	33.87	NO	1.000	1.001	48.8	87.8	NO
13	1,2,3,4,6,7,8-HpCDF	3.09e5	5.38e5	1.24	1.16	NO	1.2131	34.45	34.44	NO	1.001	1.001	47.4	94.8	NO
14	1,2,3,7,8,9-HxCDF	2.19e5	4.12e5	1.24	1.29	NO	1.1348	35.28	35.32	NO	1.000	1.001	46.8	83.8	NO
15	1,2,3,4,6,7,8-HpCDF	2.28e5	3.86e5	1.04	1.05	NO	1.1881	37.07	37.04	NO	1.001	1.000	49.4	89.7	NO
16	1,2,3,4,7,8,9-HxCDF	1.51e5	2.33e5	1.04	1.04	NO	1.3888	38.07	38.08	NO	1.000	1.000	46.8	83.8	NO
17	OCDF	3.00e5	5.85e5	0.88	0.83	NO	1.0814	41.88	41.80	NO	1.001	1.001	98.7	98.7	NO
18	1,2,3,7,8,9-HxCDF	6.84e5	6.29e5	0.77	0.78	NO	1.1733	28.07	28.08	NO	1.027	1.028	95.4	95.4	NO
19	1,2,3,4,7,8,9-HxCDF	4.85e5	6.20e5	0.83	0.82	NO	0.8730	31.25	31.25	NO	1.223	1.222	101	101	NO



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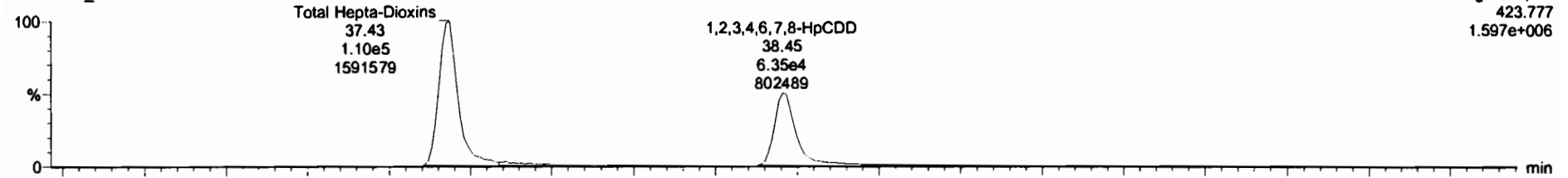
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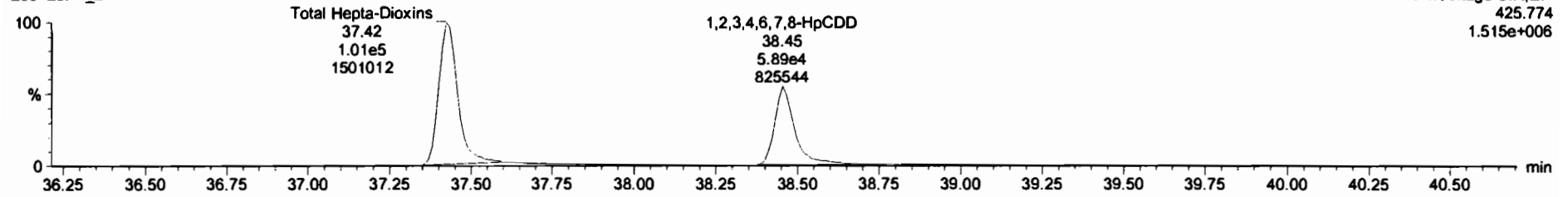
Name: 200129K2_2, Date: 30-Jan-2020, Time: 04:12:28, ID: ST200129K2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200129K2_2

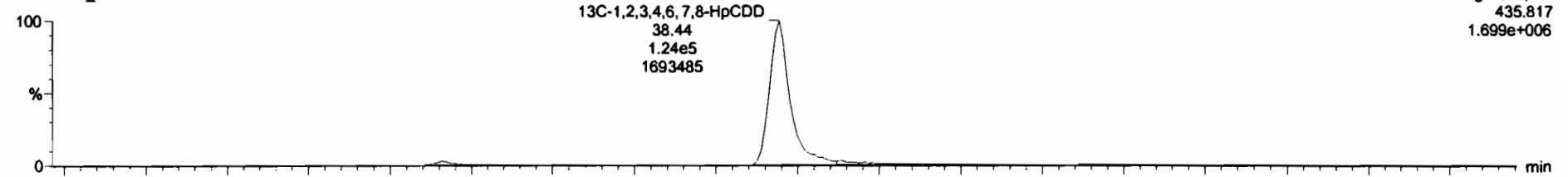


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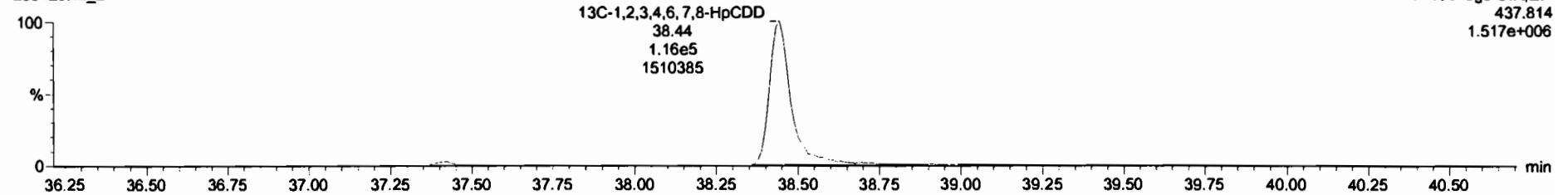


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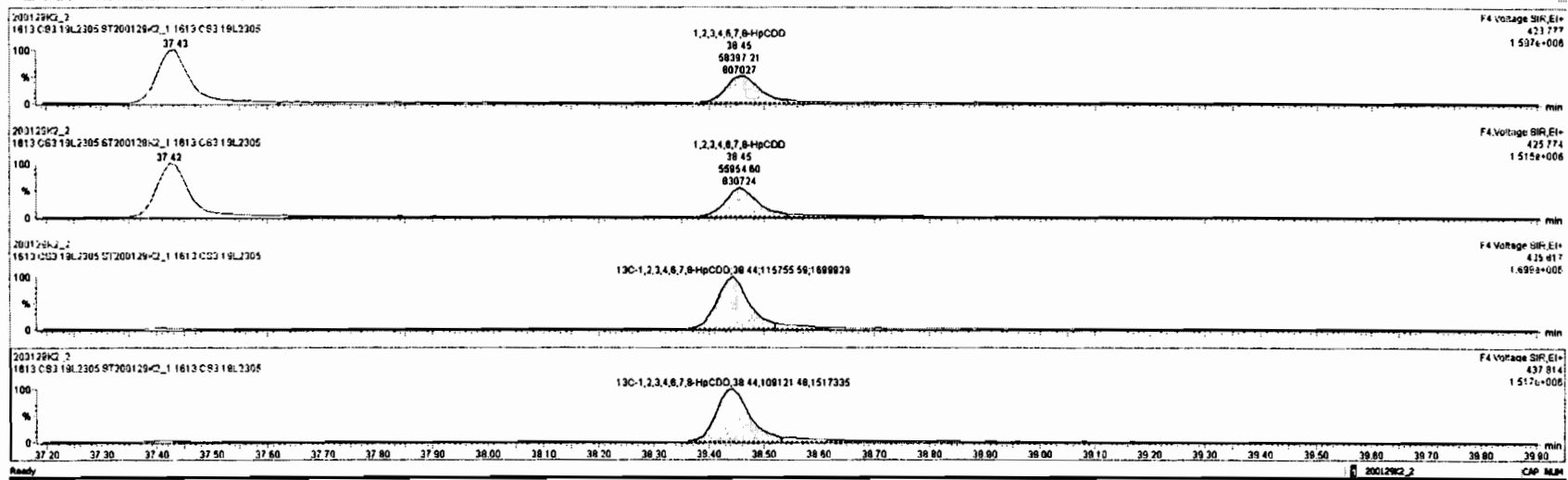
200129K2_2



200129K2_2



#	Name	Area	IS Area	Prod RA	RA	dy	RF	Prod RT	RT	RT Flag	Prod RN1	RF1	Conc.	%Re	STD dev
1	1,2,3,7,8-TCDD	6.52e4	6.94e5	0.77	0.78	NO	0.9431	28.11	28.09	NO	1.001	1.001	9.27	99.7	NO
2	1,2,3,7,8-PeCDD	2.10e5	4.85e5	0.83	0.62	NO	0.8074	31.27	31.25	NO	1.001	1.000	48.3	98.7	NO
3	1,2,3,4,7,8-HpCDD	1.72e5	3.00e5	1.24	1.25	NO	1.1080	34.80	34.80	NO	1.000	1.000	49.1	98.3	NO
4	1,2,3,6,7,8-HxCDD	1.85e5	3.91e5	1.24	1.22	NO	1.0088	34.88	34.70	NO	1.000	1.000	47.4	94.7	NO
5	1,2,3,7,8,9-HxCDD	1.58e5	3.11e5	1.24	1.24	NO	0.8920	35.00	34.98	NO	1.001	1.000	51.8	103	NO
6	1,2,3,4,6,7,8-HpCDD	1.14e5	2.25e5	1.04	1.04	NO	1.0022	36.48	36.48	NO	1.000	1.000	47.8	98.7	NO
7	OCDD	2.21e5	4.50e5	0.88	0.88	NO	1.0440	41.88	41.88	NO	1.000	1.000	94.2	94.2	NO
8	1,2,3,7,8-TCDF	9.82e4	1.08e5	0.77	0.78	NO	0.8700	25.09	25.10	NO	1.001	1.001	9.88	98.8	NO
9	1,2,3,7,8-PeCDF	3.82e5	7.84e5	1.55	1.58	NO	0.9580	29.98	29.94	NO	1.001	1.000	48.1	98.3	NO
10	1,2,3,7,8-HxCDF	3.80e5	7.82e5	1.55	1.57	NO	1.0074	30.98	30.95	NO	1.001	1.001	48.5	99.0	NO
11	1,2,3,4,7,8-HpCDF	2.88e5	5.10e5	1.24	1.24	NO	1.1632	33.74	33.75	NO	1.000	1.000	48.5	97.0	NO
12	1,2,3,6,7,8-HxCDF	3.43e5	8.14e5	1.24	1.28	NO	1.1431	33.88	33.87	NO	1.000	1.001	48.8	97.8	NO
13	1,2,3,4,6,7,8-HpCDF	3.09e5	5.28e5	1.24	1.18	NO	1.2131	34.45	34.44	NO	1.001	1.001	47.4	94.8	NO
14	1,2,3,7,8,9-HxCDF	2.19e5	4.12e5	1.24	1.20	NO	1.1349	35.28	35.32	NO	1.000	1.001	46.8	93.8	NO
15	1,2,3,4,6,7,8-HpCDF	2.28e5	3.85e5	1.04	1.05	NO	1.1881	37.07	37.04	NO	1.001	1.000	48.4	98.7	NO
16	1,2,3,4,7,8,9-HxCDF	1.51e5	2.33e5	1.04	1.04	NO	1.3888	39.07	39.08	NO	1.000	1.000	48.2	93.8	NO
17	OCDF	3.00e5	5.85e5	0.88	0.93	NO	1.0814	41.88	41.90	NO	1.000	1.001	96.7	96.7	NO
18	13C-1,2,3,7,8-TCDD	6.94e5	6.20e5	0.77	0.78	NO	1.1723	28.07	28.08	NO	1.027	1.028	95.4	95.4	NO
19	13C-1,2,3,7,8-PeCDD	4.85e5	6.20e5	0.83	0.82	NO	0.7721	31.25	31.25	NO	1.232	1.232	101	101	NO

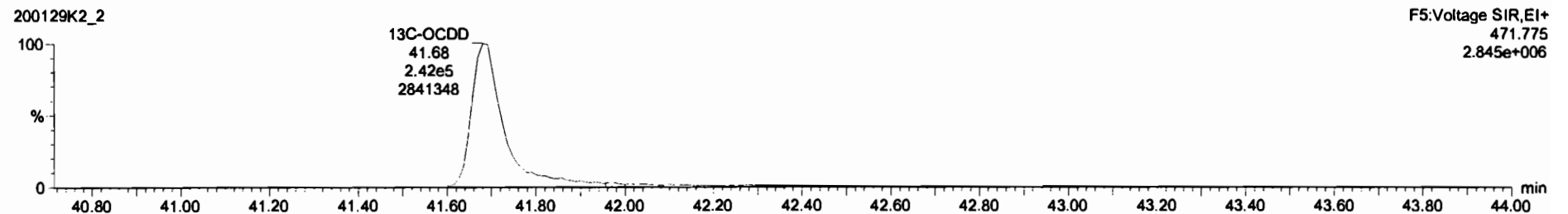
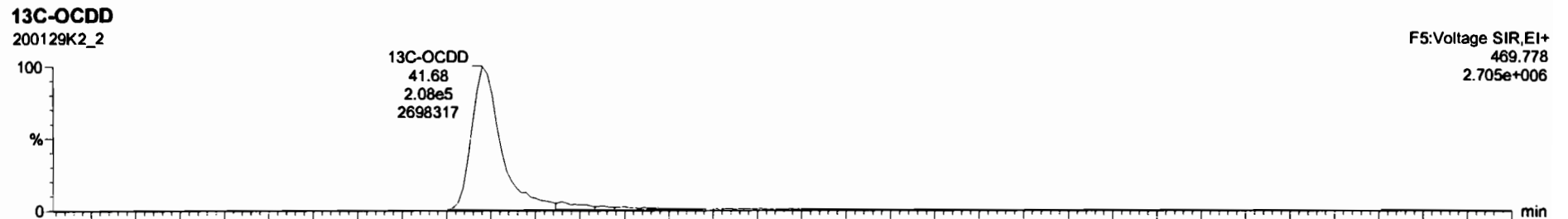
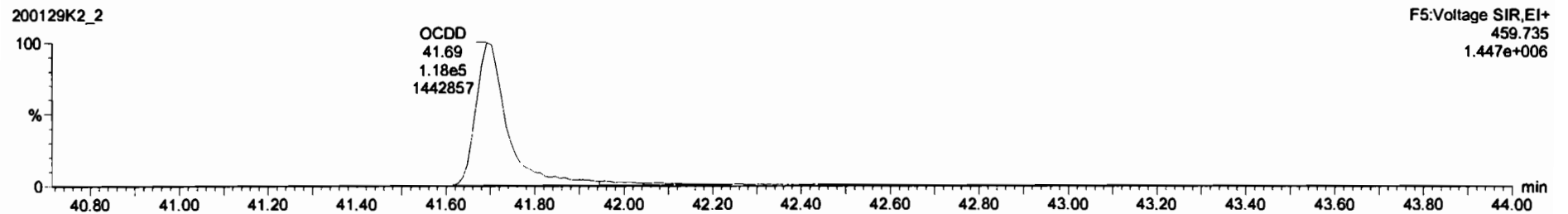
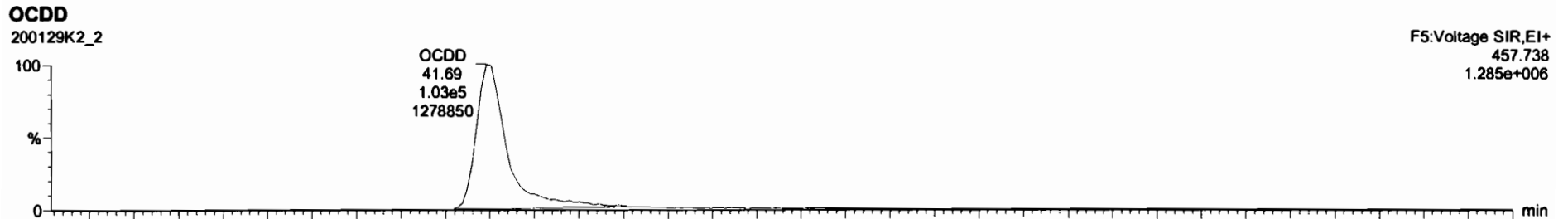


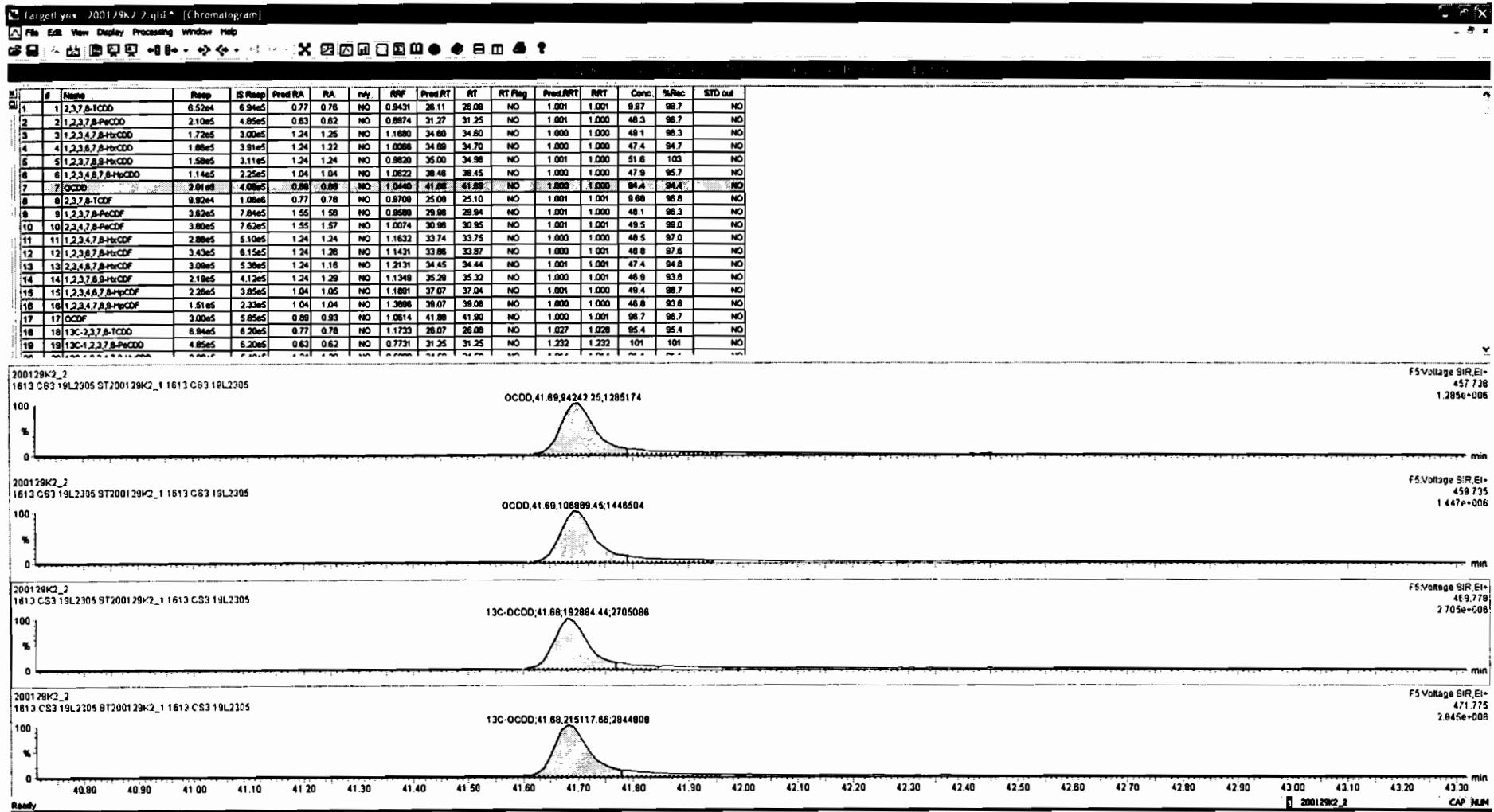
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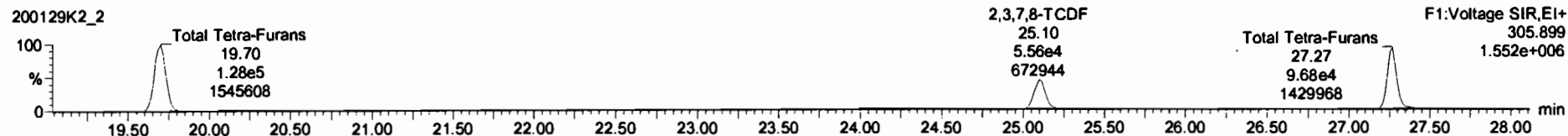


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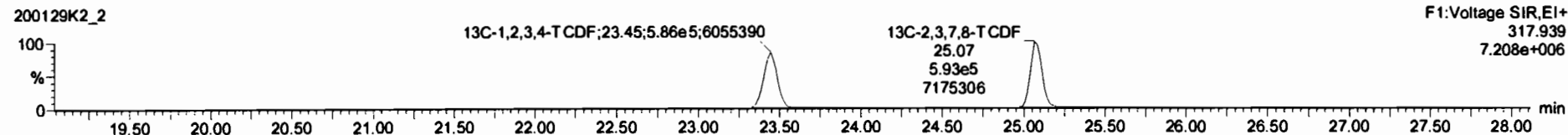
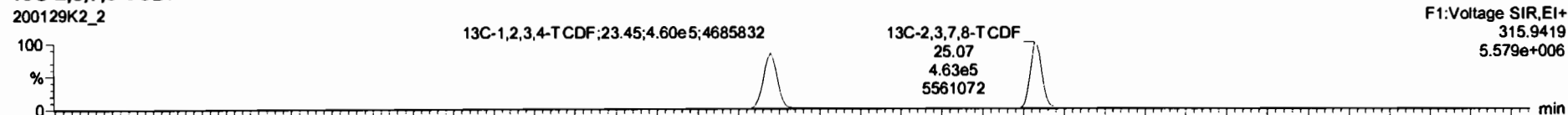
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Name: 200129K2_2, Date: 30-Jan-2020, Time: 04:12:28, ID: ST200129K2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

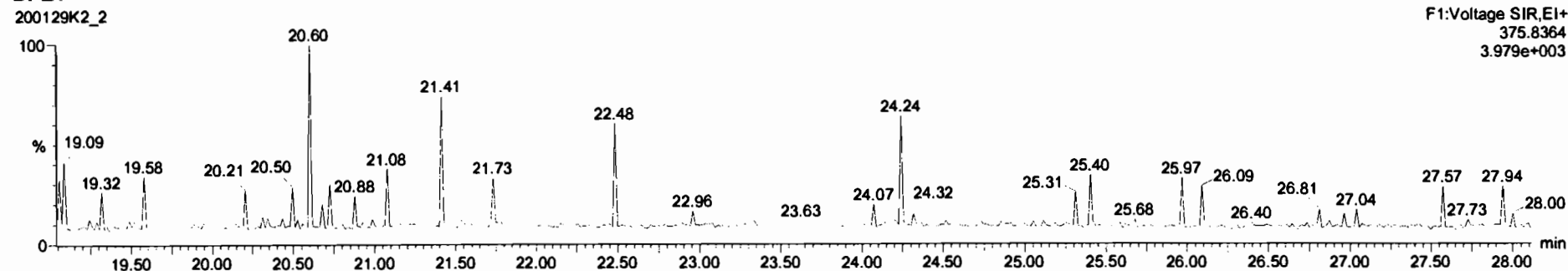
2,3,7,8-TCDF



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



DPE1



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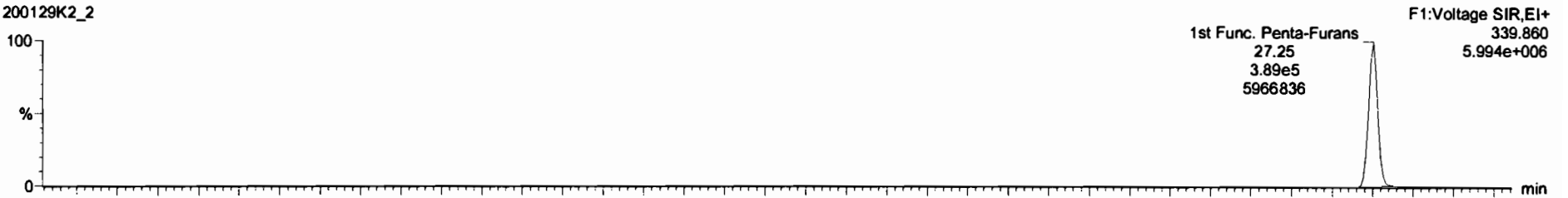
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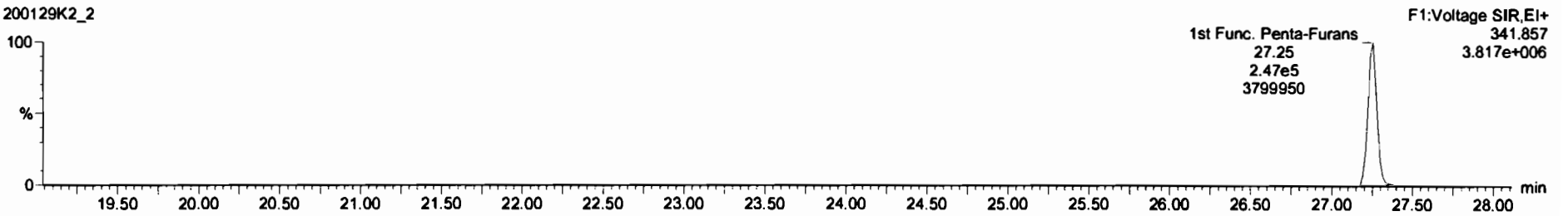
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1st Func. Penta-Furans

200129K2_2

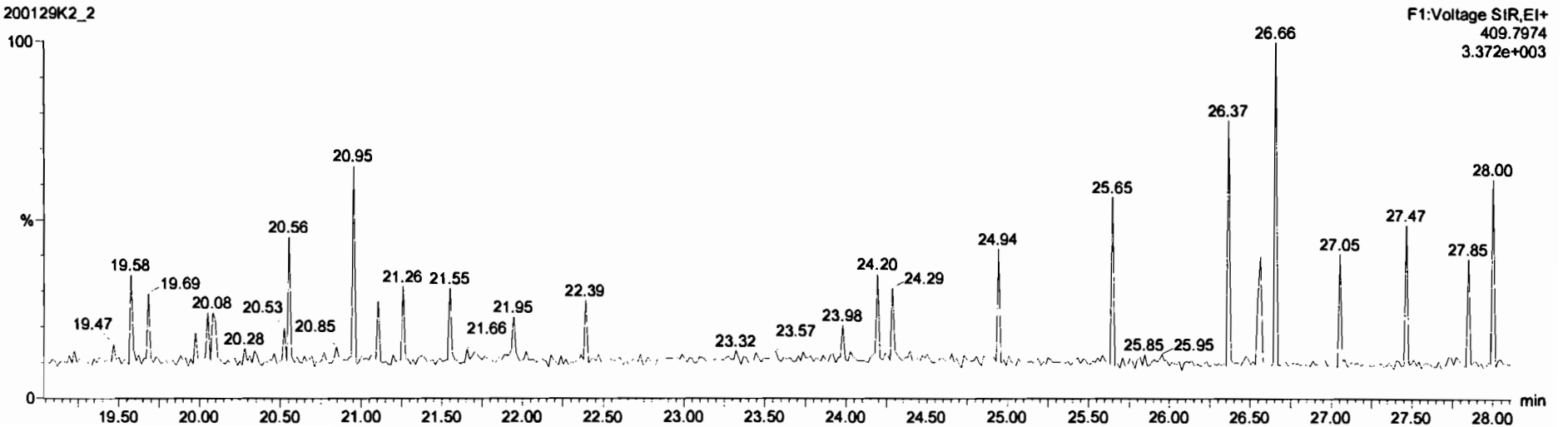


200129K2_2



DPE6

200129K2_2



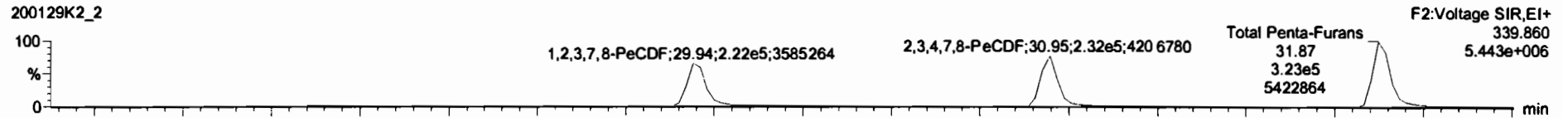
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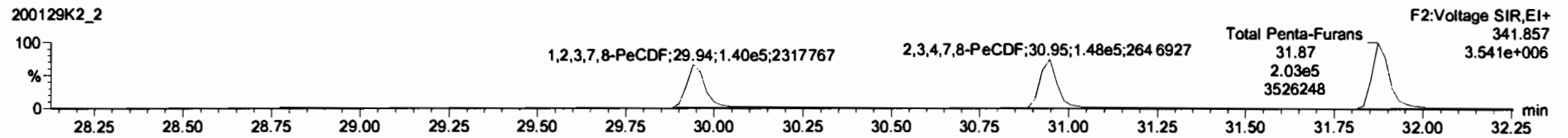
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1,2,3,7,8-PeCDF

200129K2_2

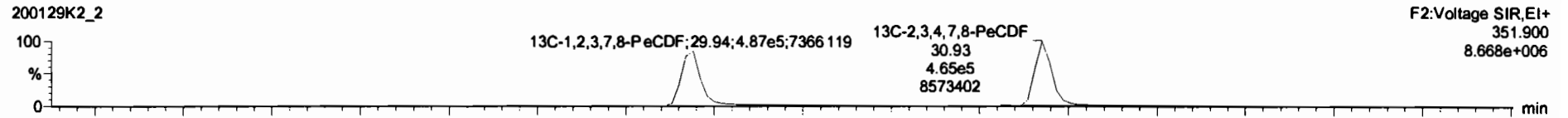


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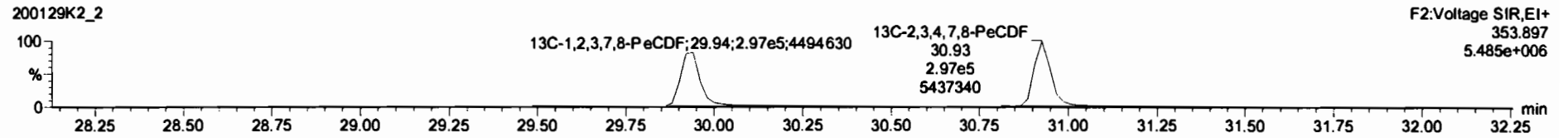


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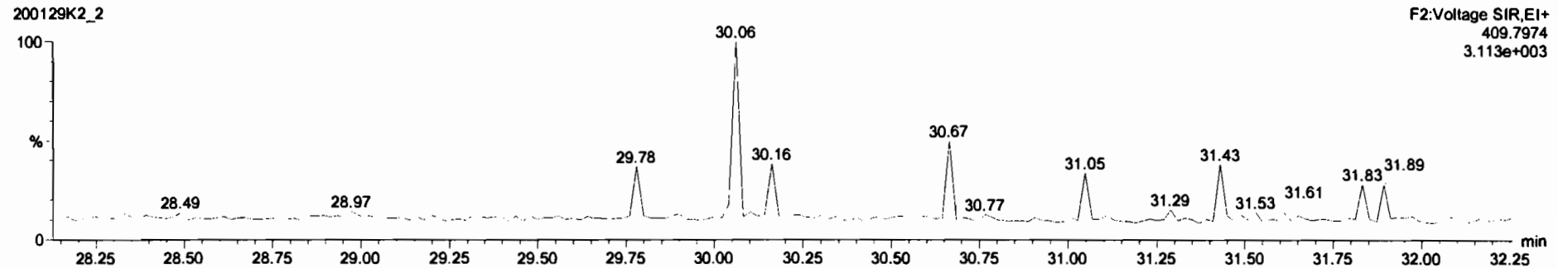


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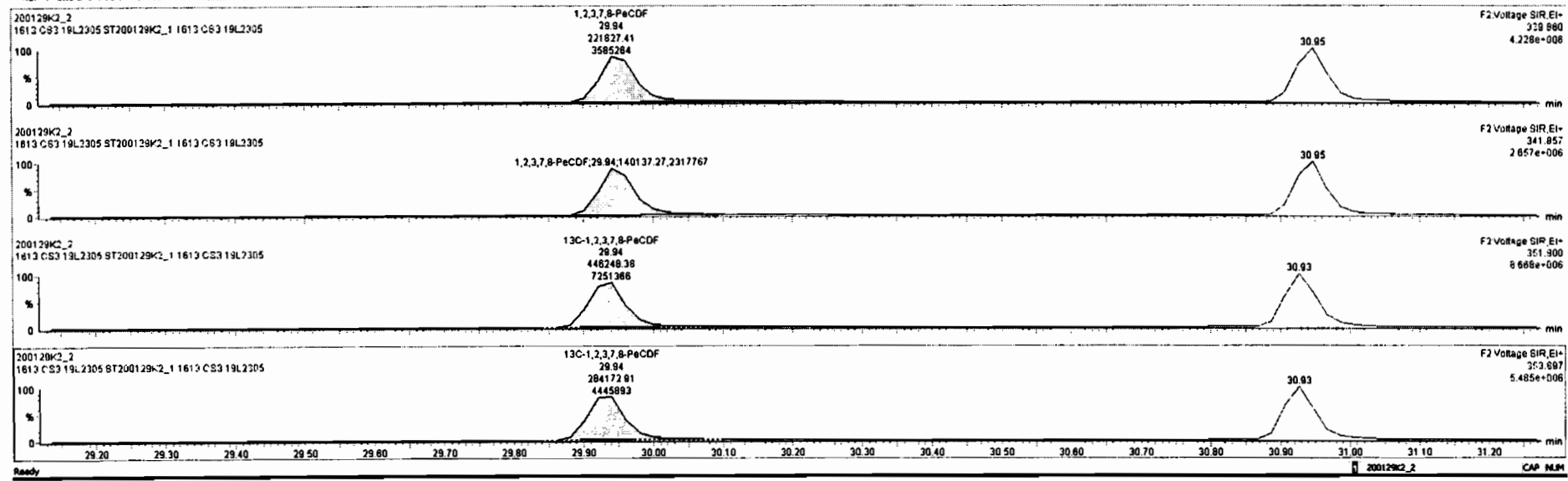


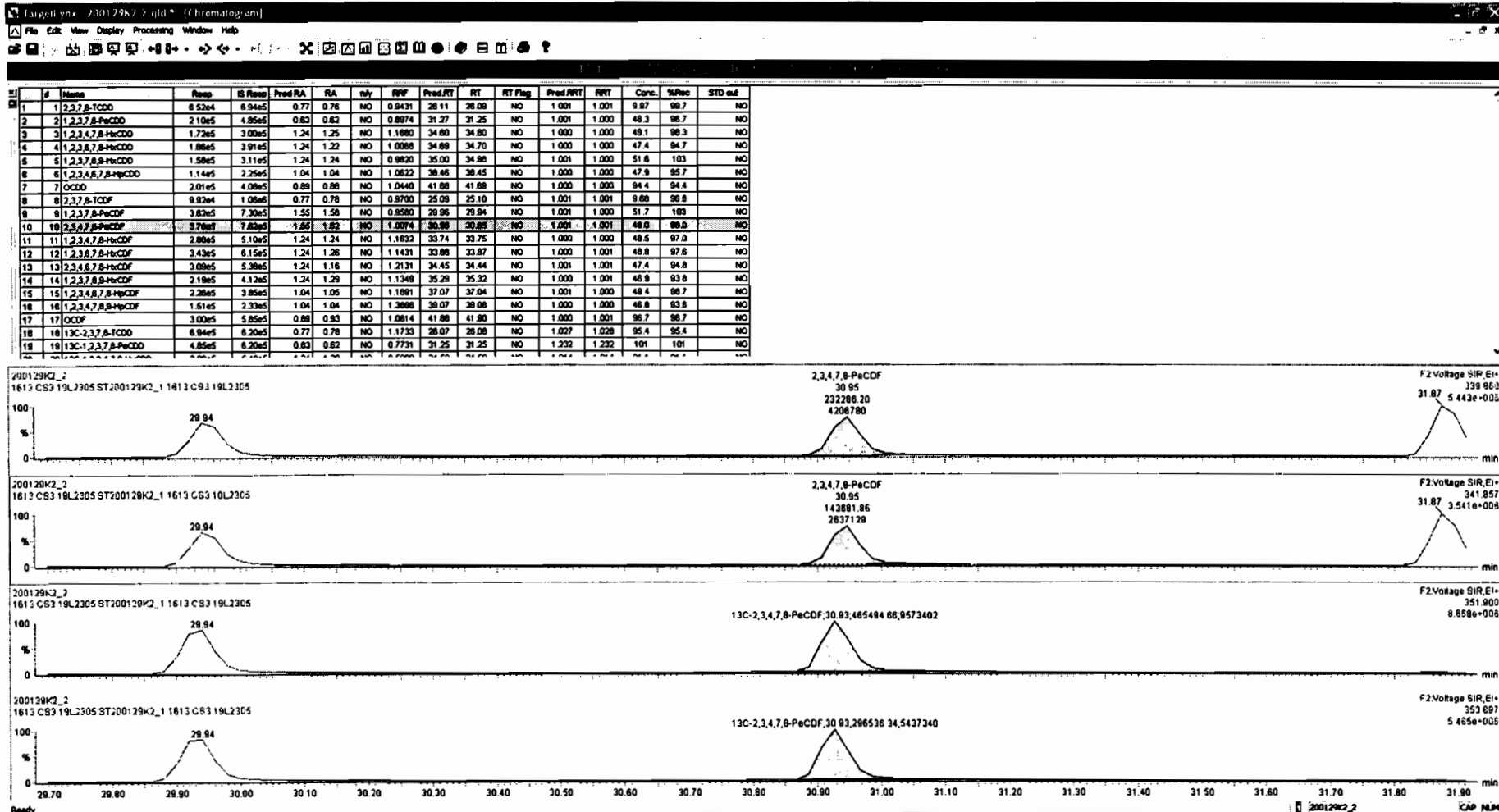
DPE2

200129K2_2



#	Name	Ratio	IS Resp	Pred RA	RA	n/y	RPF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	1,2,3,7,8-TCDD	6.52e4	6.94e5	0.77	0.76	NO	0.9431	26.11	26.08	NO	1.001	1.001	9.97	99.7	NO
2	1,2,3,7,8-PeCDD	2.10e5	4.85e5	0.63	0.62	NO	0.6974	31.27	31.25	NO	1.001	1.000	48.3	98.7	NO
3	1,2,3,4,7,8-HxCDD	1.72e5	3.00e5	1.24	1.25	NO	1.1690	34.60	34.60	NO	1.000	1.000	49.1	98.3	NO
4	1,2,3,6,7,8-HxCDD	1.86e5	3.91e5	1.24	1.22	NO	1.0068	34.69	34.70	NO	1.000	1.000	47.4	94.7	NO
5	1,2,3,7,8-HxCDD	1.58e5	3.11e5	1.24	1.24	NO	0.9820	35.00	34.98	NO	1.001	1.000	51.6	103	NO
6	1,2,3,4,6,7,8-HeCDD	1.14e5	2.25e5	1.04	1.04	NO	1.0822	36.48	36.45	NO	1.000	1.000	47.9	95.7	NO
7	OCDF	2.01e5	4.08e5	0.86	0.86	NO	1.0440	41.58	41.58	NO	1.000	1.000	94.4	94.4	NO
8	2,3,7,8-TCDF	9.82e4	1.05e5	0.77	0.78	NO	0.6700	25.09	25.10	NO	1.001	1.001	9.68	98.8	NO
9	1,2,3,7,8-PeCDF	3.82e5	7.30e5	1.56	1.56	NO	0.9898	29.86	29.84	NO	1.001	1.000	51.7	103	NO
10	1,2,3,4,7,8-PeCDF	3.80e5	7.82e5	1.55	1.57	NO	1.0074	30.98	30.95	NO	1.001	1.001	49.5	99.0	NO
11	1,2,3,4,7,8-HxCDF	2.88e5	5.10e5	1.24	1.24	NO	1.1632	33.74	33.75	NO	1.000	1.000	48.5	97.0	NO
12	1,2,3,6,7,8-HxCDF	3.43e5	6.15e5	1.24	1.26	NO	1.1431	33.86	33.87	NO	1.000	1.001	48.8	97.5	NO
13	2,3,4,6,7,8-HxCDF	3.09e5	5.38e5	1.24	1.18	NO	1.2131	34.45	34.44	NO	1.001	1.001	47.4	94.8	NO
14	1,2,3,7,8-HxCDF	2.19e5	4.12e5	1.24	1.29	NO	1.1349	35.28	35.32	NO	1.000	1.001	46.9	93.8	NO
15	1,2,3,4,6,7,8-HeCDF	2.26e5	3.85e5	1.04	1.05	NO	1.1891	37.07	37.04	NO	1.001	1.000	49.4	98.7	NO
16	1,2,3,4,7,8-HeCDF	1.51e5	2.33e5	1.04	1.04	NO	1.3896	38.07	38.06	NO	1.000	1.000	46.8	93.6	NO
17	OCDF	3.00e5	5.85e5	0.88	0.93	NO	1.0814	41.88	41.90	NO	1.000	1.001	96.7	96.7	NO
18	13C-1,2,3,7,8-TCDD	6.94e5	6.20e5	0.77	0.78	NO	1.1733	26.07	26.08	NO	1.027	1.028	95.4	95.4	NO
19	13C-1,2,3,7,8-PeCDD	4.85e5	6.20e5	0.63	0.62	NO	0.7731	31.25	31.25	NO	1.232	1.232	101	101	NO





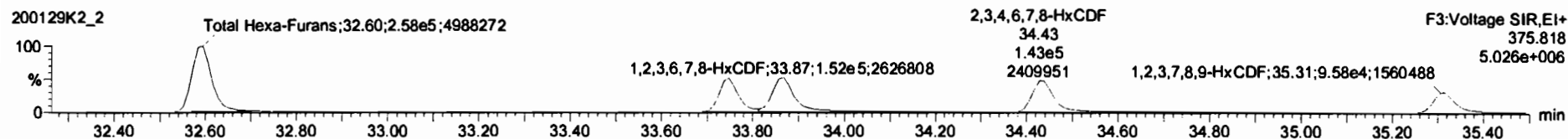
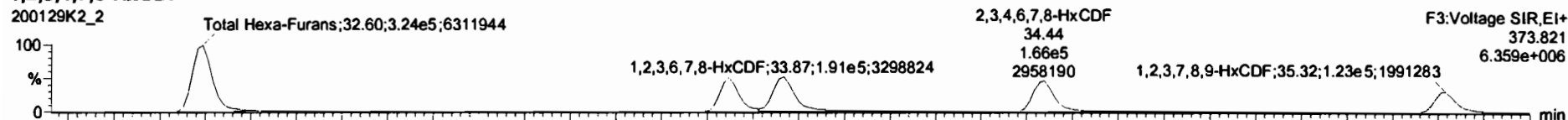
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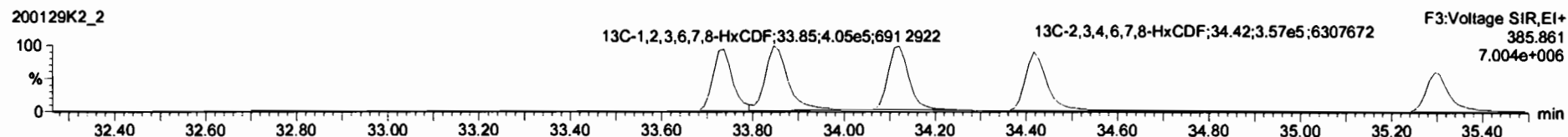
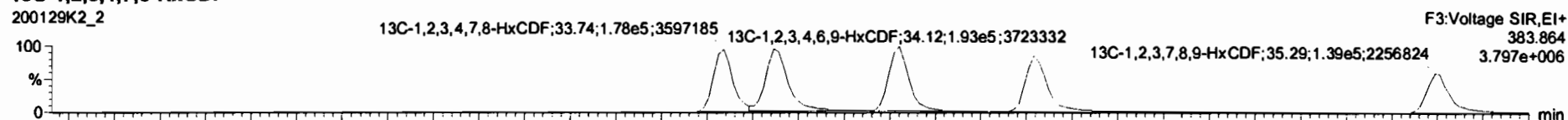
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Name: 200129K2_2, Date: 30-Jan-2020, Time: 04:12:28, ID: ST200129K2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

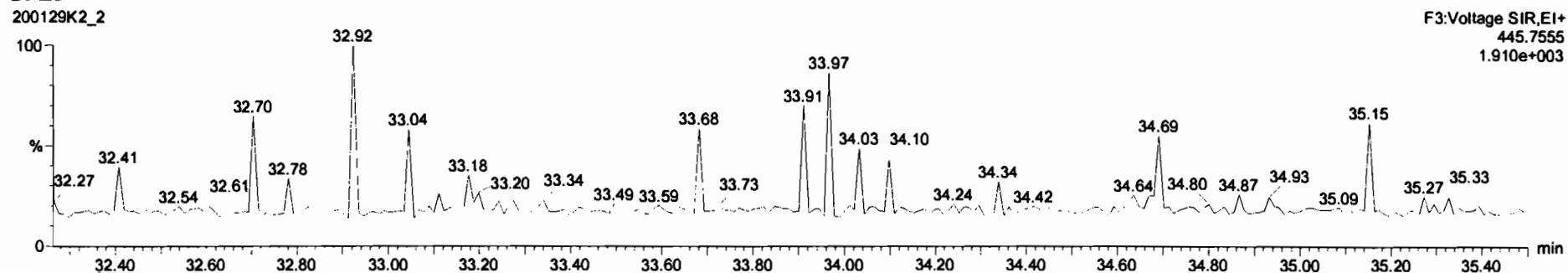
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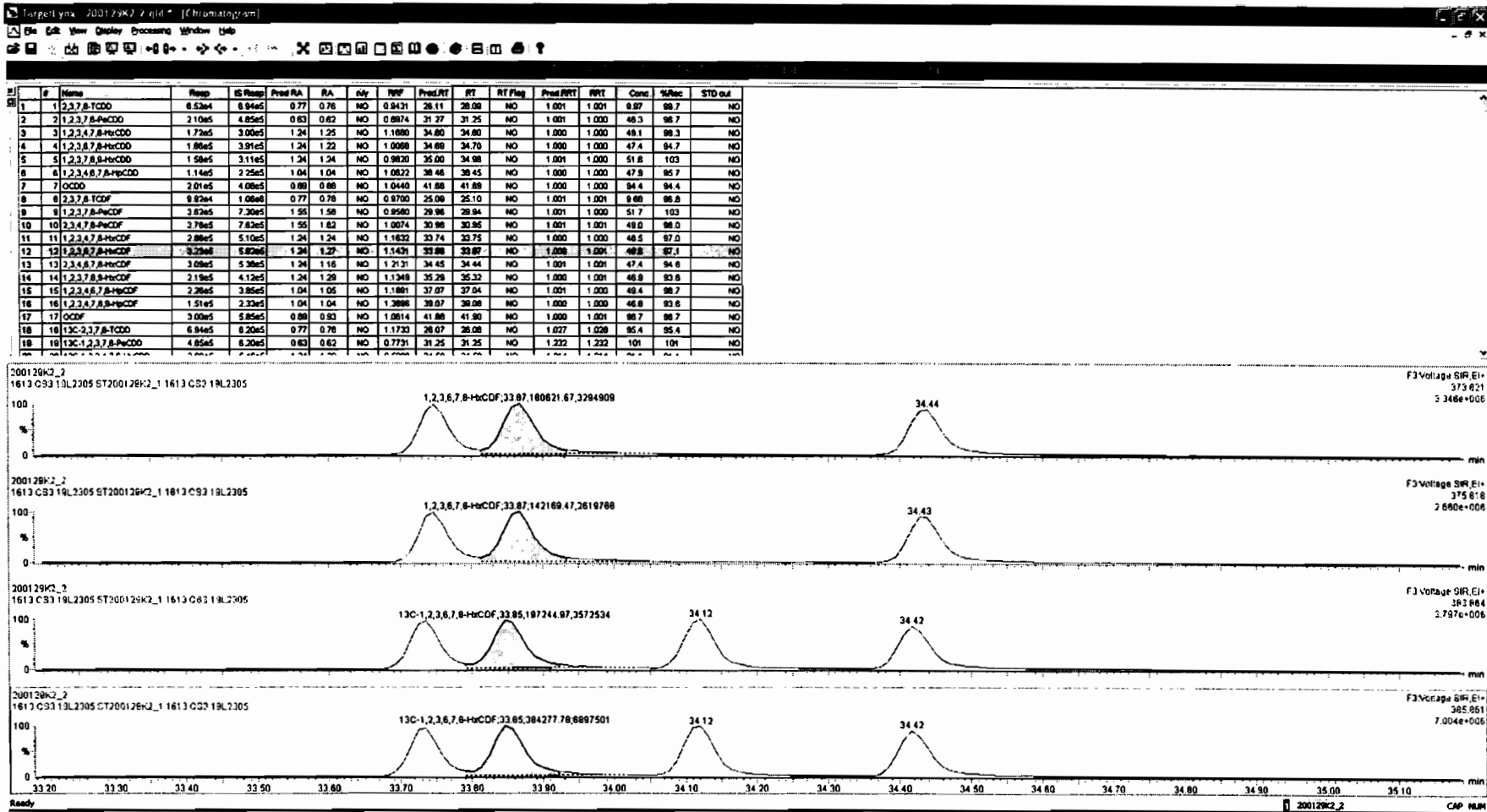


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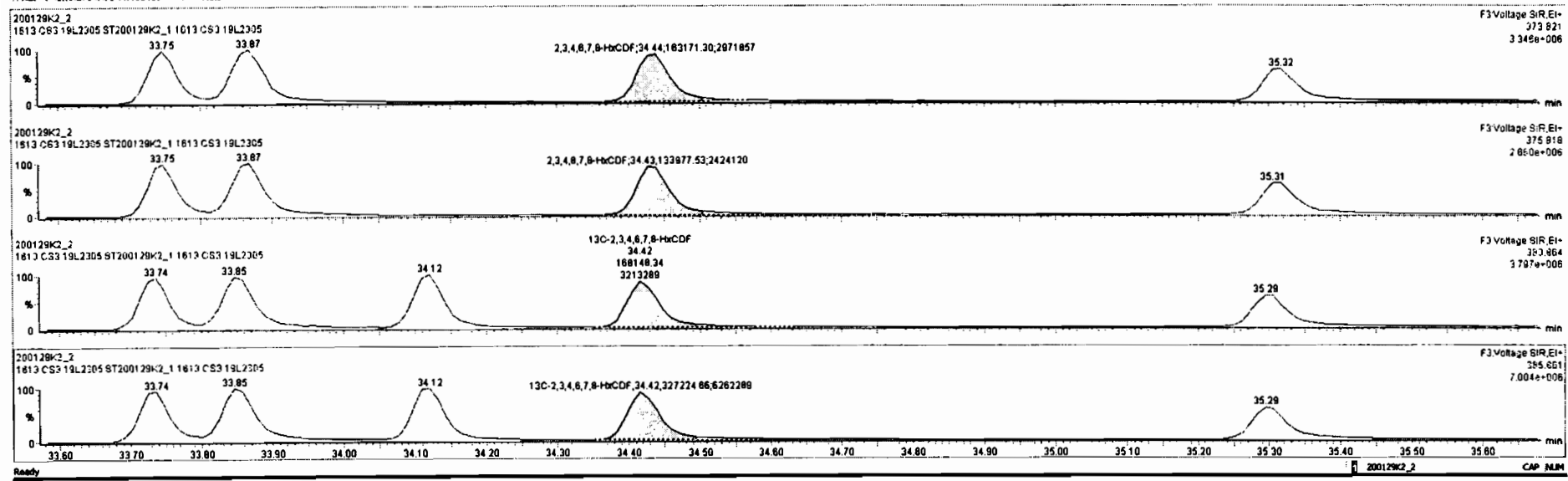


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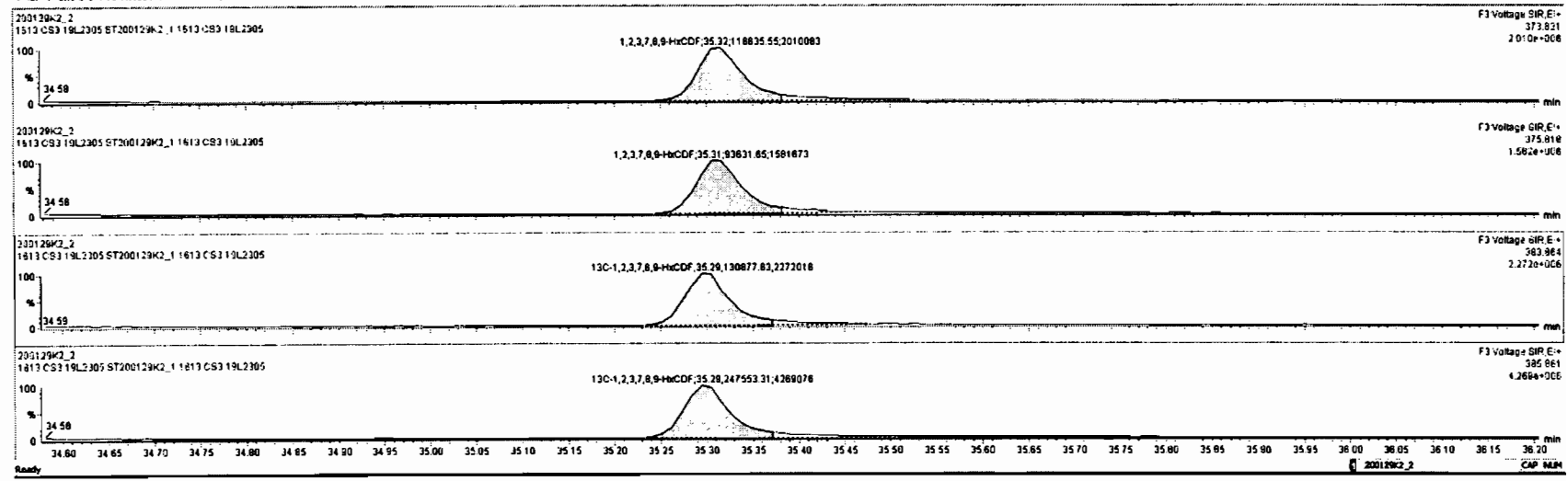




#	Name	Resp	IS Resp	Pred RA	RA	n/y	RWF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	6.52e4	6.94e5	0.77	0.76	NO	0.9431	26.11	26.08	NO	1.001	1.001	9.97	99.7	NO
2	1,2,3,7,8-PeCDD	2.10e5	4.85e5	0.63	0.62	NO	0.8974	31.27	31.25	NO	1.001	1.000	46.3	96.7	NO
3	1,2,3,4,7,8-HxCDD	1.72e5	3.00e5	1.24	1.25	NO	1.1680	34.80	34.80	NO	1.000	1.000	49.1	98.3	NO
4	1,2,3,6,7,8-HxCDD	1.86e5	3.91e5	1.24	1.22	NO	1.0068	34.89	34.70	NO	1.000	1.000	47.4	94.7	NO
5	1,2,3,7,8,9-HxCDD	1.58e5	3.11e5	1.24	1.24	NO	0.9920	35.00	34.98	NO	1.001	1.000	51.6	103	NO
6	1,2,3,4,6,7,8-HpCDD	1.14e5	2.25e5	1.04	1.04	NO	1.0822	38.46	38.45	NO	1.000	1.000	47.9	95.7	NO
7	OCDD	2.01e5	4.08e5	0.89	0.89	NO	1.0440	41.88	41.89	NO	1.000	1.000	94.4	94.4	NO
8	2,3,7,8-TCDF	9.92e4	1.06e5	0.77	0.78	NO	0.9700	25.08	25.10	NO	1.001	1.001	9.68	96.8	NO
9	1,2,3,7,8-PeCDF	3.62e5	7.30e5	1.55	1.56	NO	0.9580	29.96	29.94	NO	1.001	1.000	51.7	103	NO
10	2,3,4,7,8-PeCDF	3.78e5	7.62e5	1.55	1.62	NO	1.0074	30.96	30.95	NO	1.001	1.001	49.0	96.0	NO
11	1,2,3,4,7,8-HxCDF	2.89e5	5.10e5	1.24	1.24	NO	1.1632	33.74	33.75	NO	1.000	1.000	48.5	97.0	NO
12	1,2,3,6,7,8-HxCDF	2.22e5	5.62e5	1.24	1.27	NO	1.1431	33.86	33.87	NO	1.000	1.001	46.6	97.1	NO
13	2,3,4,6,7,8-HxCDF	2.87e5	4.88e5	1.24	1.22	NO	1.2191	34.46	34.44	NO	1.001	1.001	48.4	98.9	NO
14	1,2,3,7,8-HxCDF	2.19e5	4.12e5	1.24	1.29	NO	1.1349	35.28	35.32	NO	1.000	1.001	46.9	93.6	NO
15	1,2,3,4,6,7,8-HpCDF	2.26e5	3.85e5	1.04	1.05	NO	1.1891	37.07	37.04	NO	1.001	1.000	49.4	96.7	NO
16	1,2,3,4,7,8,9-HpCDF	1.51e5	2.30e5	1.04	1.04	NO	1.3896	39.07	39.06	NO	1.000	1.000	46.6	93.6	NO
17	OCDF	3.00e5	5.85e5	0.86	0.83	NO	1.0814	41.88	41.90	NO	1.000	1.001	96.7	96.7	NO
18	13C-2,3,7,8-TCDD	6.94e5	6.20e5	0.77	0.78	NO	1.1733	26.07	26.08	NO	1.027	1.028	85.4	95.4	NO
19	13C-1,2,3,7,8-PeCDD	4.85e5	6.20e5	0.63	0.62	NO	0.7731	31.25	31.25	NO	1.232	1.232	101	101	NO



#	#	Name	Resp	IS Resp	Pred RA	RA	Qty	RWF	Pred RT	RT	RT Flag	Pred_RRT	RRT	Conc.	%Rec	STD out
1	1	1,2,3,7,8-TCDD	6.53e4	6.84e5	0.77	0.76	NO	0.9431	28.11	28.08	NO	1.001	1.001	9.97	99.7	NO
2	2	1,2,3,7,8-PeCDD	2.10e5	4.85e5	0.63	0.62	NO	0.8874	31.27	31.25	NO	1.001	1.000	48.3	98.3	NO
3	3	1,2,3,4,7,8-HxCDD	1.72e5	3.00e5	1.24	1.25	NO	1.1880	34.80	34.80	NO	1.000	1.000	48.1	98.3	NO
4	4	1,2,3,6,7,8-HxCDD	1.89e5	3.81e5	1.24	1.22	NO	1.0288	34.80	34.70	NO	1.000	1.000	47.4	94.7	NO
5	5	1,2,3,6,7,8-HxCDD	1.58e5	3.11e5	1.24	1.24	NO	0.8620	35.00	34.98	NO	1.001	1.000	51.8	100	NO
6	6	1,2,3,4,6,7,8-HpCDD	1.14e5	2.25e5	1.04	1.04	NO	1.0222	38.45	38.45	NO	1.000	1.000	47.9	95.7	NO
7	7	OCDF	3.01e5	4.08e5	0.88	0.88	NO	1.0440	41.88	41.88	NO	1.000	1.000	94.4	94.4	NO
8	8	1,2,3,7,8-TCDF	9.92e4	1.08e5	0.77	0.78	NO	0.9700	25.09	25.10	NO	1.001	1.001	8.88	98.8	NO
9	9	1,2,3,7,8-PeCDF	3.62e5	7.30e5	1.55	1.58	NO	0.9580	28.98	28.84	NO	1.001	1.000	51.7	100	NO
10	10	1,2,3,4,7,8-HxCDF	3.78e5	7.82e5	1.55	1.62	NO	1.0074	30.98	30.95	NO	1.001	1.001	49.0	98.0	NO
11	11	1,2,3,4,7,8-HxCDF	2.88e5	5.10e5	1.24	1.24	NO	1.1632	33.74	33.75	NO	1.000	1.000	48.5	97.0	NO
12	12	1,2,3,6,7,8-HxCDF	3.23e5	5.82e5	1.24	1.27	NO	1.1431	33.86	33.87	NO	1.000	1.001	48.8	97.1	NO
13	13	1,2,3,4,6,7,8-HpCDF	2.97e5	4.95e5	1.24	1.22	NO	1.2131	34.45	34.44	NO	1.001	1.001	48.4	98.9	NO
14	14	1,2,3,7,8,9-HxCDF	2.10e5	3.78e5	1.24	1.25	NO	1.1348	35.28	35.32	NO	1.000	1.001	49.8	98.8	NO
15	15	1,2,3,4,6,7,8-HpCDF	2.26e5	3.85e5	1.04	1.05	NO	1.1881	37.07	37.04	NO	1.001	1.000	48.4	98.7	NO
16	16	1,2,3,4,7,8,9-HpCDF	1.51e5	2.33e5	1.04	1.04	NO	1.3886	38.07	38.08	NO	1.000	1.000	48.8	93.8	NO
17	17	OCDF	3.00e5	5.85e5	0.88	0.93	NO	1.2814	41.88	41.90	NO	1.000	1.001	88.7	88.7	NO
18	18	13C-1,2,3,7,8-TCDD	6.94e5	6.20e5	0.77	0.78	NO	1.1733	28.07	28.08	NO	1.027	1.028	95.4	95.4	NO
19	19	13C-1,2,3,7,8-PeCDD	4.85e5	8.20e5	0.63	0.62	NO	0.7731	31.25	31.25	NO	1.232	1.232	101	101	NO

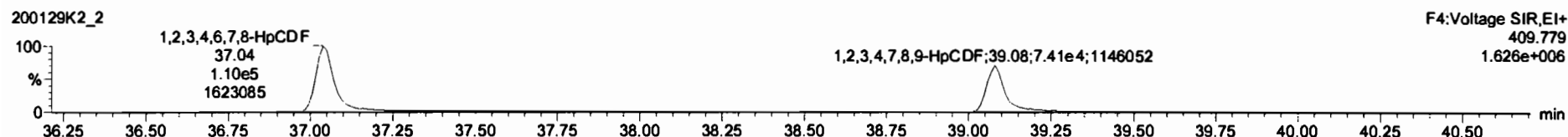
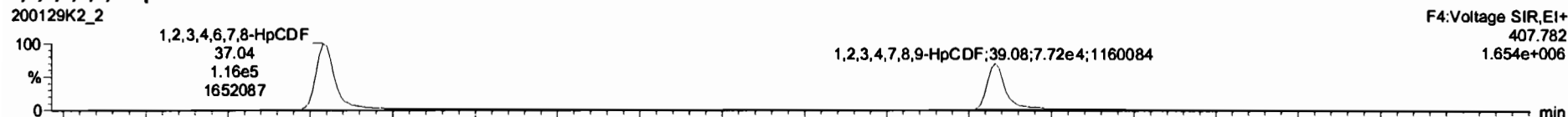


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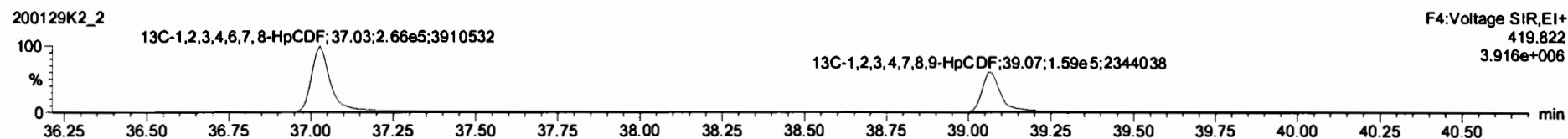
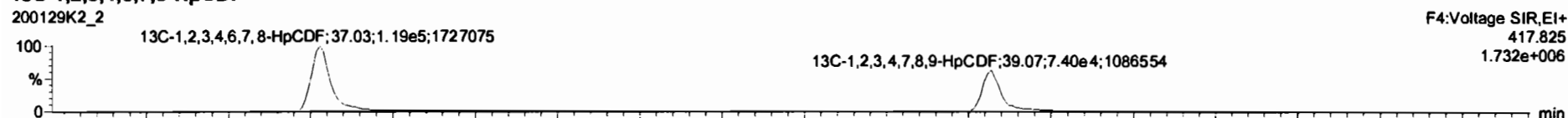
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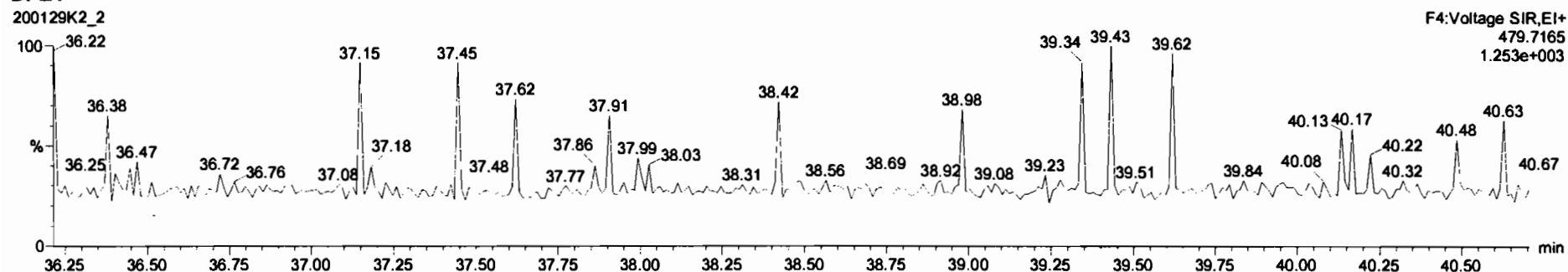
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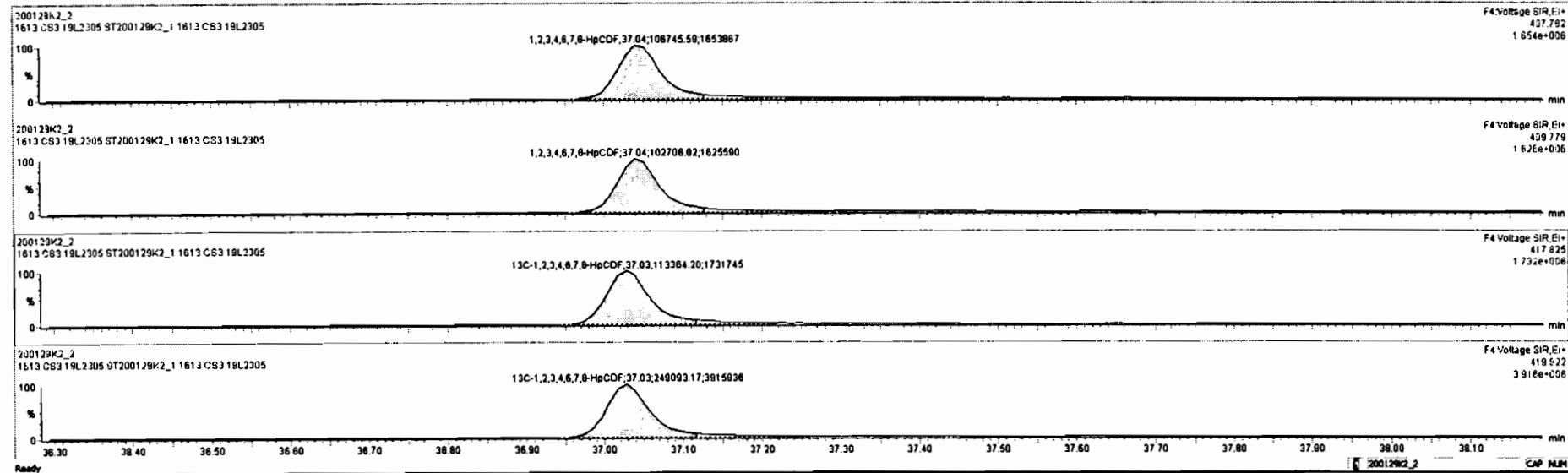
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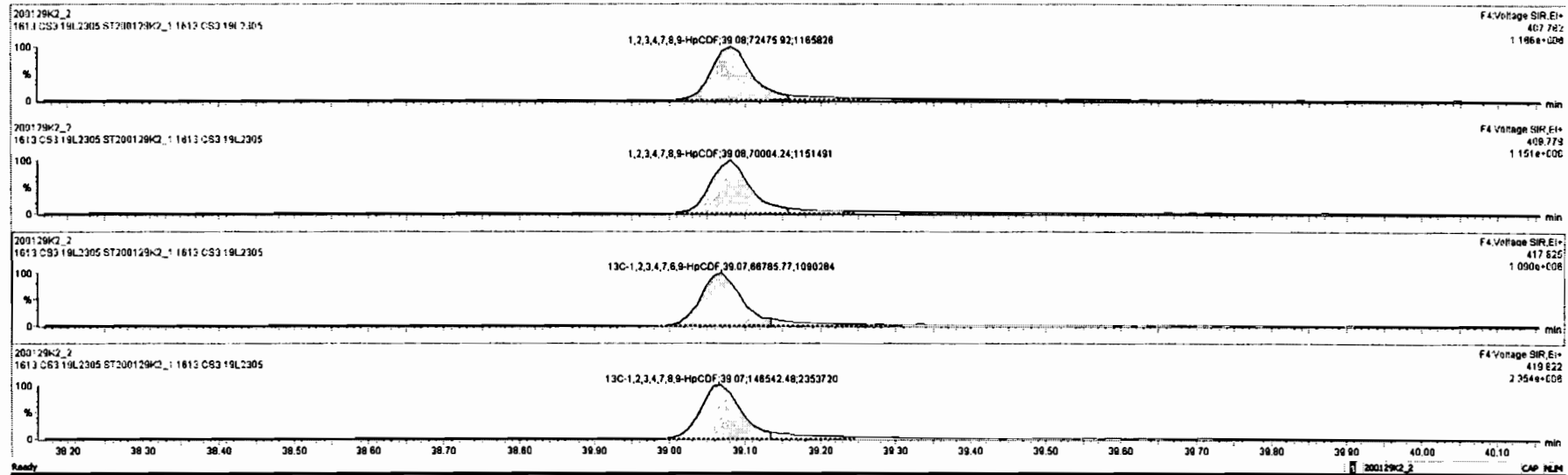
DPE4



#	Name	Resp	IS Resp	Pred RA	RA	dy	R/F	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	1,2,3,7,8-TCDD	6.52e4	6.84e5	0.77	0.76	NO	0.8431	26.11	26.08	NO	1.001	1.001	9.97	98.7	NO
2	1,2,3,7,8-PeCDD	2.10e5	4.85e5	0.63	0.62	NO	0.8874	31.27	31.25	NO	1.001	1.000	48.3	98.7	NO
3	1,2,3,4,7,8-HxCDD	1.72e5	3.00e5	1.24	1.25	NO	1.1680	34.60	34.60	NO	1.000	1.000	49.1	98.3	NO
4	1,2,3,6,7,8-HxCDD	1.86e5	3.91e5	1.24	1.22	NO	1.0058	34.69	34.70	NO	1.000	1.000	47.4	94.7	NO
5	1,2,3,7,8-HxCDF	1.58e5	3.11e5	1.24	1.24	NO	0.9820	35.00	34.98	NO	1.001	1.000	51.6	103	NO
6	1,2,3,4,6,7,8-HpCDD	1.14e5	2.25e5	1.04	1.04	NO	1.0522	36.48	36.45	NO	1.000	1.000	47.8	95.7	NO
7	OCDF	2.01e5	4.08e5	0.89	0.88	NO	1.0440	41.88	41.88	NO	1.000	1.000	94.4	94.4	NO
8	1,2,3,7,8-TCDF	9.92e4	1.06e5	0.77	0.78	NO	0.9700	25.09	25.10	NO	1.001	1.001	9.89	95.8	NO
9	1,2,3,7,8-PeCDF	3.62e5	7.39e5	1.55	1.58	NO	0.9580	28.96	29.94	NO	1.001	1.000	51.7	100	NO
10	1,2,3,4,7,8-PeCDF	3.76e5	7.83e5	1.55	1.62	NO	1.0074	30.96	30.95	NO	1.001	1.001	49.0	98.0	NO
11	1,2,3,4,7,8-HxCDF	2.89e5	5.10e5	1.24	1.24	NO	1.1832	33.74	33.75	NO	1.000	1.000	48.5	97.0	NO
12	1,2,3,6,7,8-HxCDF	3.23e5	5.82e5	1.24	1.27	NO	1.1431	33.86	33.87	NO	1.000	1.001	48.8	97.1	NO
13	1,2,3,4,6,7,8-HpCDF	2.97e5	4.85e5	1.24	1.22	NO	1.2121	34.45	34.44	NO	1.001	1.001	48.4	98.8	NO
14	1,2,3,7,8,9-HxCDF	2.10e5	3.78e5	1.24	1.25	NO	1.1349	35.29	35.32	NO	1.000	1.001	49.0	98.0	NO
15	1,2,3,4,6,7,8-HpCDF	2.08e5	3.82e5	1.04	1.04	NO	1.1081	37.07	37.04	NO	1.001	1.000	48.8	97.2	NO
16	1,2,3,4,7,8,9-HpCDF	1.51e5	2.33e5	1.04	1.04	NO	1.3996	38.07	38.08	NO	1.000	1.000	46.8	93.6	NO
17	OCDF	3.00e5	5.85e5	0.89	0.83	NO	1.0814	41.88	41.80	NO	1.000	1.001	96.7	98.7	NO
18	13C-1,2,3,7,8-TCDD	6.84e5	6.20e5	0.77	0.78	NO	1.1733	26.07	26.08	NO	1.027	1.028	85.4	85.4	NO
19	13C-1,2,3,7,8-PeCDD	4.85e5	6.20e5	0.63	0.62	NO	0.7731	31.25	31.25	NO	1.232	1.232	101	101	NO



#	Item	Resp	IS Resp	Pred RA	RA	RP	RIF	Pred RT	RT	RT Flag	Pred PRT	PRT	Conc.	%Rec	STD dev
1	1,2,3,7,8-TCDD	6.52e5	8.94e5	0.77	0.78	NO	0.9431	28.11	28.09	NO	1.001	1.001	9.97	99.7	NO
2	1,2,3,7,8-PeCDD	2.10e5	4.85e5	0.83	0.82	NO	0.8874	31.27	31.25	NO	1.001	1.000	48.3	96.7	NO
3	1,2,3,4,7,8-PeCDD	1.72e5	3.03e5	1.24	1.25	NO	1.1880	34.80	34.80	NO	1.000	1.000	49.1	98.3	NO
4	1,2,3,6,7,8-PeCDD	1.88e5	3.91e5	1.24	1.22	NO	1.0588	34.88	34.70	NO	1.000	1.000	47.4	94.7	NO
5	1,2,3,7,8-HxCDD	1.58e5	3.11e5	1.24	1.24	NO	0.9820	35.00	34.88	NO	1.001	1.000	51.6	103	NO
6	1,2,3,4,6,7,8-HpCDD	1.14e5	2.25e5	1.04	1.04	NO	1.0822	38.48	38.45	NO	1.000	1.000	47.9	95.7	NO
7	1,2,3,4,7,8-HxCDF	2.01e5	4.08e5	0.89	0.88	NO	1.0440	41.68	41.68	NO	1.000	1.000	94.4	94.4	NO
8	1,2,3,7,8-TCDF	8.92e4	1.08e5	0.77	0.78	NO	0.9700	25.09	25.10	NO	1.001	1.001	9.88	98.8	NO
9	1,2,3,7,8-PeCDF	3.62e5	7.20e5	1.55	1.58	NO	0.9580	28.86	28.84	NO	1.001	1.000	51.7	103	NO
10	1,2,3,4,7,8-HxCDF	3.78e5	7.82e5	1.55	1.62	NO	1.0074	30.88	30.85	NO	1.001	1.001	48.0	98.0	NO
11	1,2,3,4,7,8-HxCDF	2.88e5	5.10e5	1.24	1.24	NO	1.1832	33.74	33.75	NO	1.000	1.000	48.5	97.0	NO
12	1,2,3,6,7,8-HxCDF	2.23e5	5.83e5	1.24	1.27	NO	1.1431	33.86	33.87	NO	1.000	1.001	48.6	97.1	NO
13	1,2,3,4,6,7,8-HxCDF	2.87e5	4.95e5	1.24	1.22	NO	1.2121	34.45	34.44	NO	1.001	1.001	49.4	98.8	NO
14	1,2,3,7,8-HxCDF	2.10e5	3.78e5	1.24	1.25	NO	1.1348	35.26	35.32	NO	1.000	1.001	48.0	98.0	NO
15	1,2,3,4,6,7,8-HpCDF	2.09e5	3.82e5	1.04	1.04	NO	1.1881	37.07	37.04	NO	1.001	1.000	46.6	97.2	NO
16	1,2,3,4,7,8-HpCDF	1.42e5	2.13e5	1.04	1.04	NO	1.2885	38.87	38.88	NO	1.000	1.000	48.1	98.1	NO
17	1,2,3,4,7,8-HpCDF	3.00e5	5.85e5	0.89	0.83	NO	1.0814	41.88	41.80	NO	1.000	1.001	95.7	96.7	NO
18	1,2,3,7,8-TCDF	8.94e5	8.20e5	0.77	0.78	NO	1.1733	28.07	28.08	NO	1.027	1.028	95.4	95.4	NO
19	1,2,3,7,8-PeCDF	4.85e5	6.20e5	0.83	0.82	NO	0.7731	31.25	31.25	NO	1.232	1.232	101	101	NO

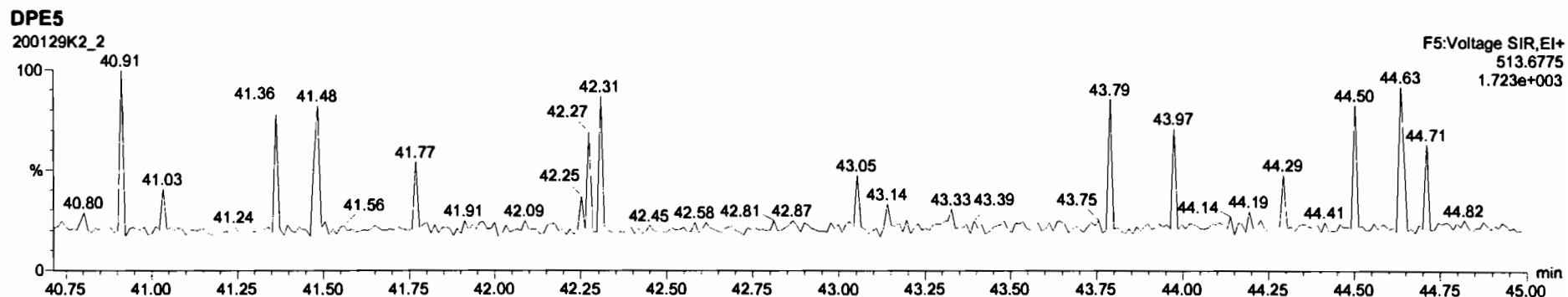
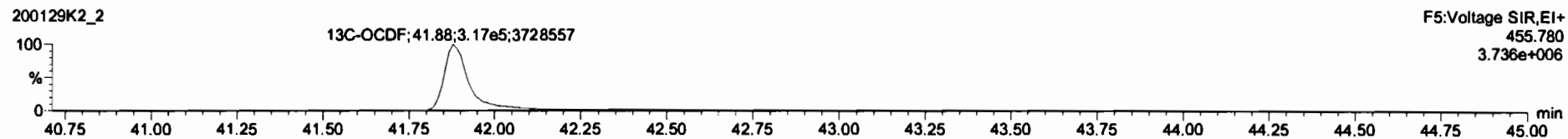
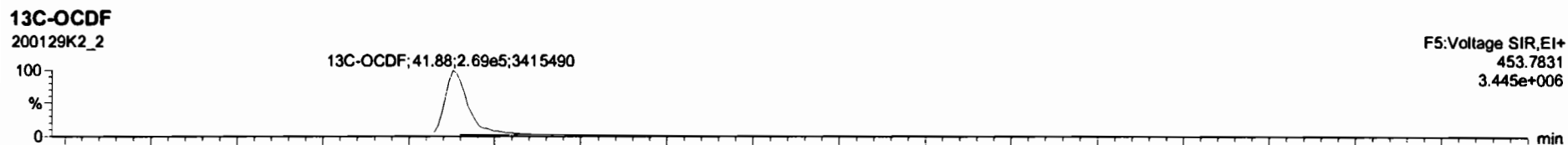
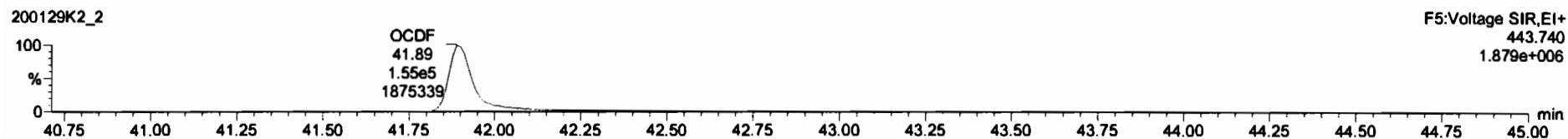
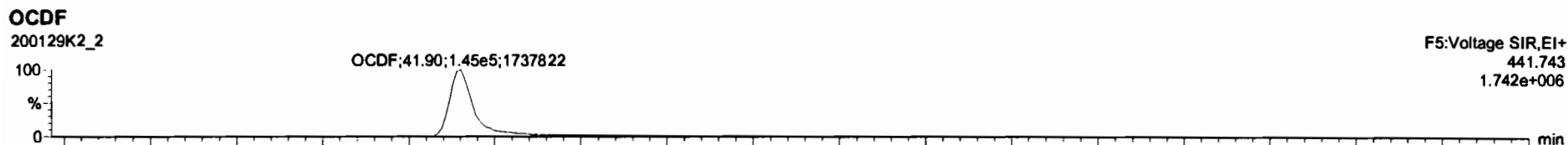


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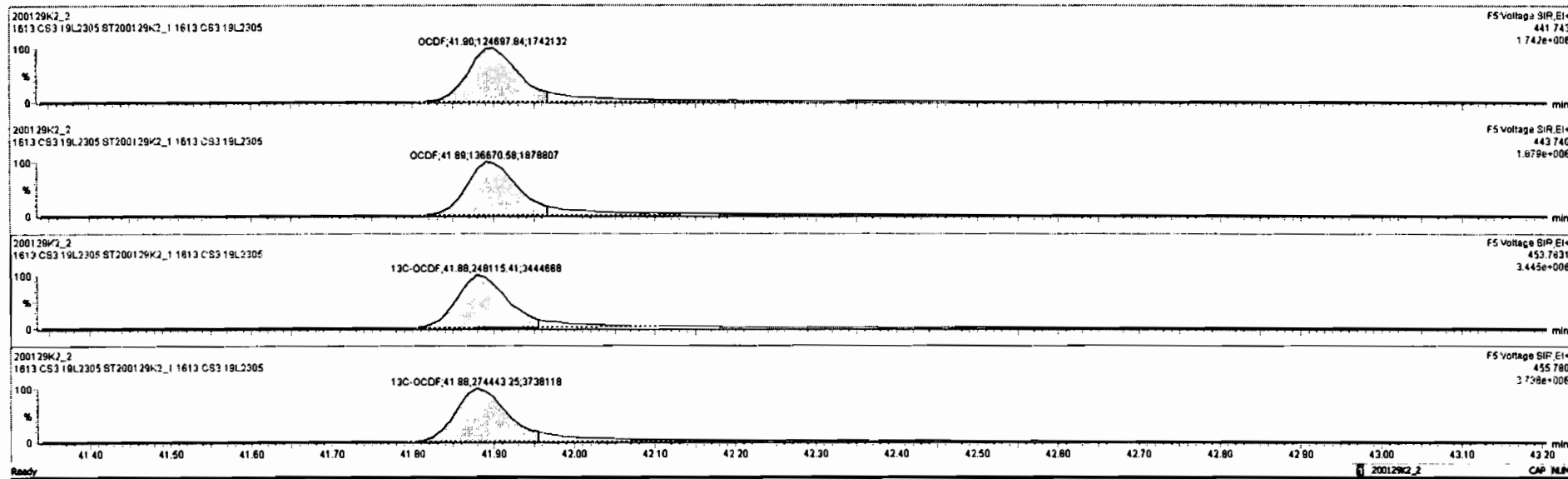
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Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

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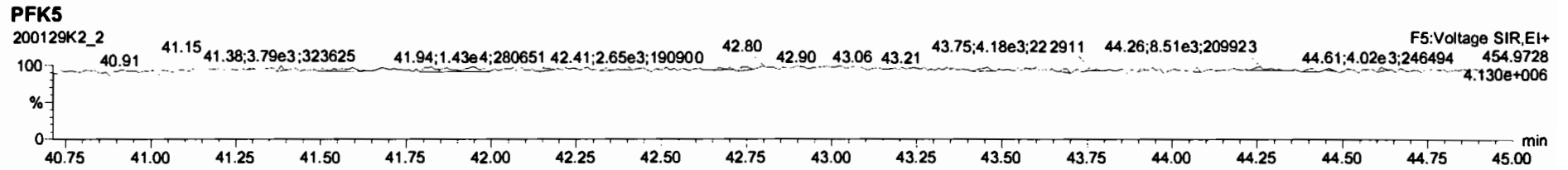
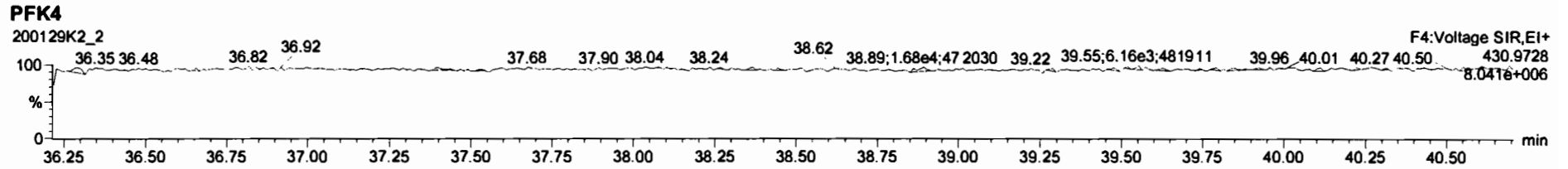
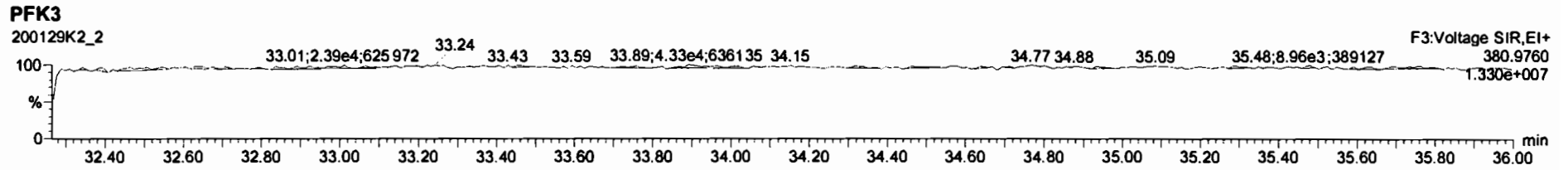
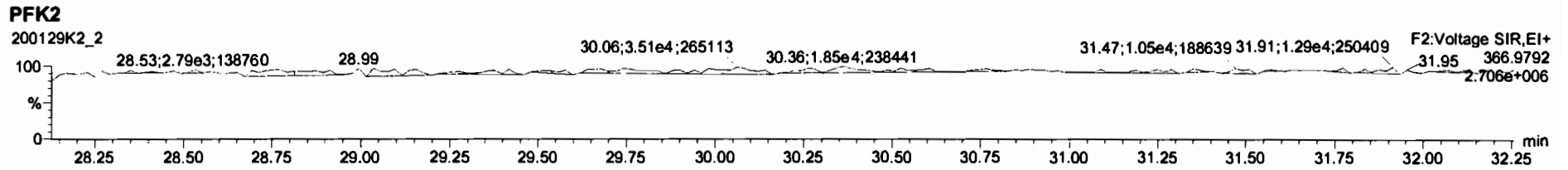
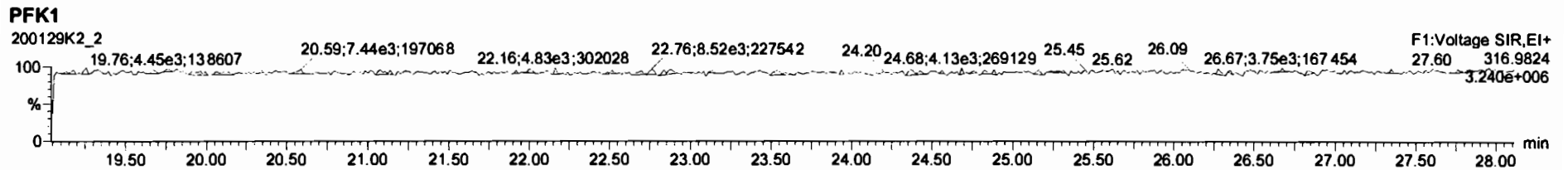
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1	1,2,3,7,8-TCDD	6.52e4	6.84e5	0.77	0.78	NO	0.9431	26.11	26.09	NO	1.001	1.001	9.97	99.7	NO
2	1,2,3,7,8-PeCDD	2.10e5	4.85e5	0.63	0.62	NO	0.8674	31.27	31.25	NO	1.001	1.000	48.3	98.7	NO
3	1,2,3,4,7,8-HxCDD	1.72e5	3.00e5	1.24	1.25	NO	1.1680	34.80	34.80	NO	1.000	1.000	48.1	98.3	NO
4	1,2,3,6,7,8-HxCDD	1.86e5	3.91e5	1.24	1.22	NO	1.0068	34.89	34.70	NO	1.000	1.000	47.4	94.7	NO
5	1,2,3,7,8,9-HxCDD	1.58e5	3.11e5	1.24	1.24	NO	0.9820	35.00	34.98	NO	1.001	1.000	51.8	103	NO
6	1,2,3,4,6,7,8-HpCDD	1.14e5	2.25e5	1.04	1.04	NO	1.0622	38.46	38.45	NO	1.000	1.000	47.8	95.7	NO
7	OCDF	2.01e5	4.08e5	0.86	0.86	NO	1.0440	41.68	41.69	NO	1.000	1.000	94.4	94.4	NO
8	1,2,3,7,8-TCDF	6.92e4	1.08e6	0.77	0.78	NO	0.9700	25.09	25.10	NO	1.001	1.001	9.88	96.8	NO
9	1,2,3,7,8-PeCDF	3.62e5	7.30e5	1.55	1.56	NO	0.9580	28.96	28.94	NO	1.001	1.000	51.7	103	NO
10	1,2,3,4,7,8-PeCDF	3.78e5	7.62e5	1.55	1.62	NO	1.0074	30.96	30.95	NO	1.001	1.001	49.0	98.0	NO
11	1,2,3,6,7,8-HxCDF	2.88e5	5.10e5	1.24	1.24	NO	1.1632	33.74	33.75	NO	1.000	1.000	48.5	97.0	NO
12	1,2,3,6,7,8-HxCDF	3.23e5	5.82e5	1.24	1.27	NO	1.1431	33.86	33.87	NO	1.000	1.001	48.6	97.1	NO
13	1,2,3,4,6,7,8-HpCDF	2.87e5	4.95e5	1.24	1.22	NO	1.2131	34.45	34.44	NO	1.001	1.001	48.4	98.9	NO
14	1,2,3,7,8,9-HxCDF	2.10e5	3.78e5	1.24	1.25	NO	1.1349	35.29	35.32	NO	1.000	1.001	49.0	98.0	NO
15	1,2,3,4,6,7,8-HpCDF	2.09e5	3.62e5	1.04	1.04	NO	1.1891	37.07	37.04	NO	1.001	1.000	48.8	97.2	NO
16	1,2,3,4,7,8,9-HpCDF	1.42e5	2.13e5	1.04	1.04	NO	1.2985	39.07	39.08	NO	1.000	1.000	48.1	96.1	NO
17	OCDF	2.81e5	6.22e6	0.86	0.81	NO	1.0814	41.88	41.88	NO	1.000	1.001	94.2	94.2	NO
18	13C-1,2,3,7,8-TCDD	6.84e5	6.20e5	0.77	0.78	NO	1.1733	26.07	26.08	NO	1.027	1.028	95.4	95.4	NO
19	13C-1,2,3,7,8-PeCDD	4.85e5	6.20e5	0.63	0.62	NO	0.7731	31.25	31.25	NO	1.232	1.232	101	101	NO



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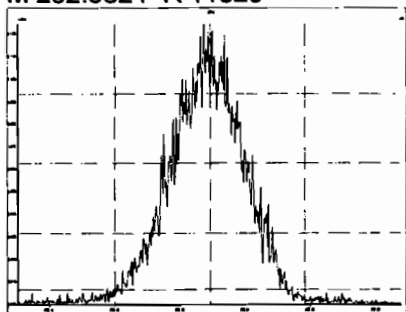
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Printed: Thursday, January 30, 2020 11:06:41 Pacific Standard Time

Name: 200129K2_2, Date: 30-Jan-2020, Time: 04:12:28, ID: ST200129K2_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

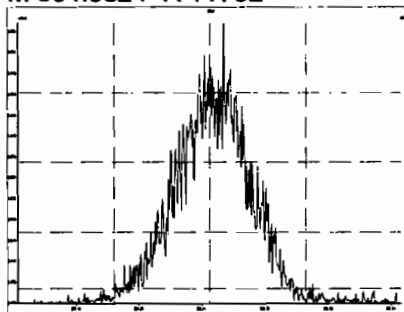


Printed: Thursday, January 30, 2020 16:26:56 Pacific Standard Time

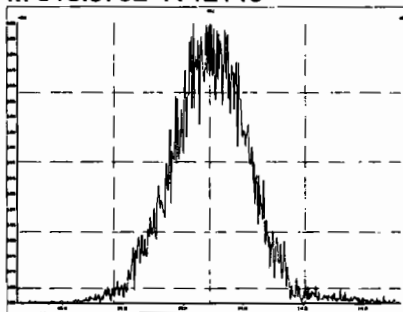
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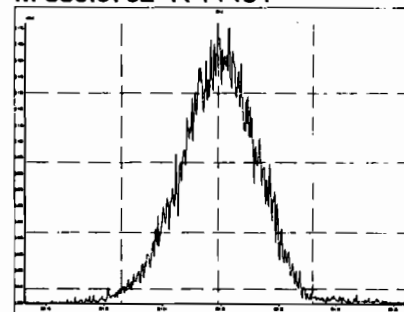
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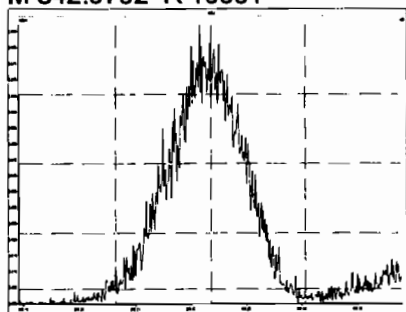
M 318.9792 R 12140



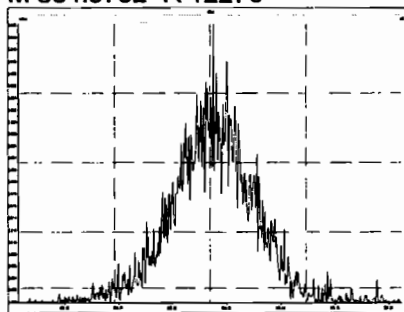
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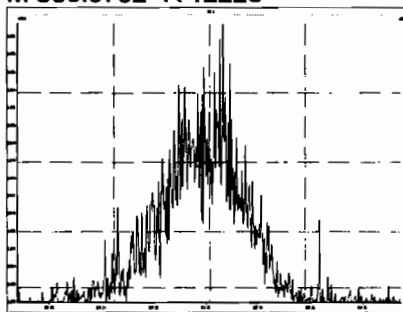
M 342.9792 R 10991



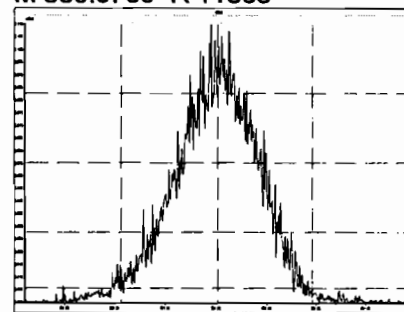
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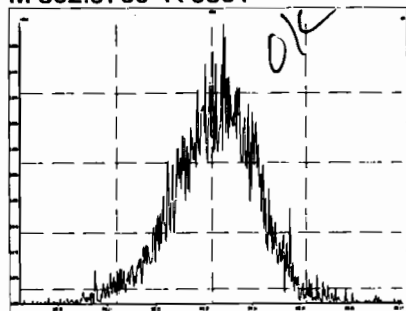
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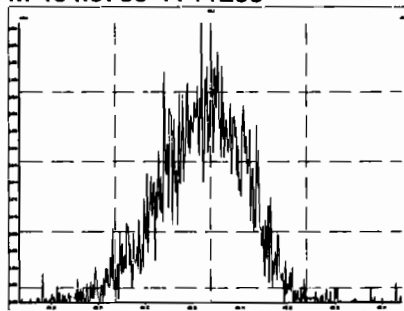
M 380.9760 R 11363



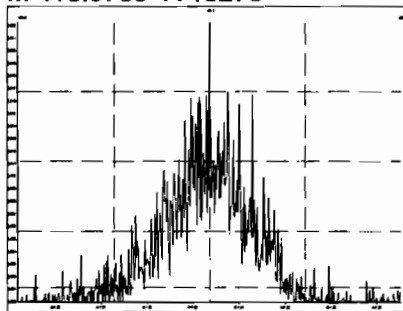
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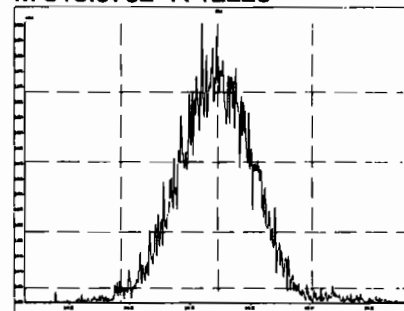
M 404.9760 R 11295



M 416.9760 R 13278

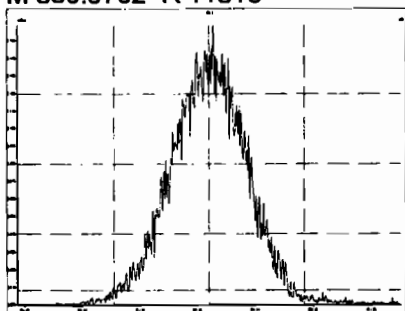


M 318.9792 R 12228

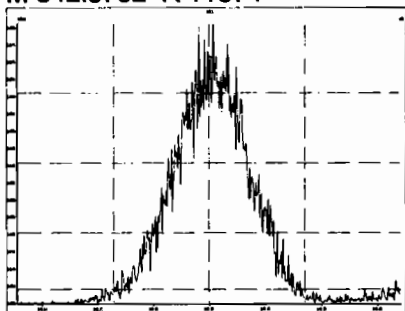


Printed: Thursday, January 30, 2020 16:26:56 Pacific Standard Time

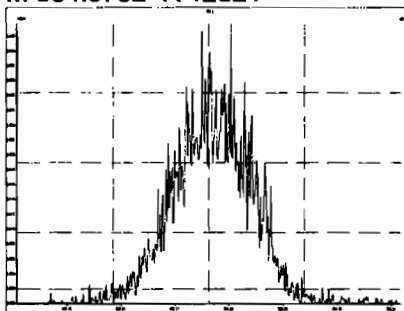
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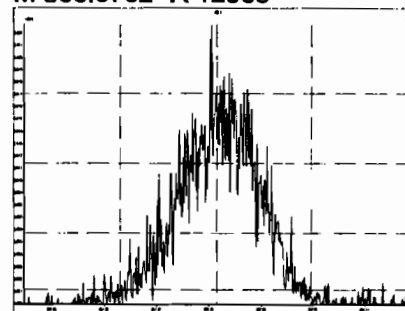
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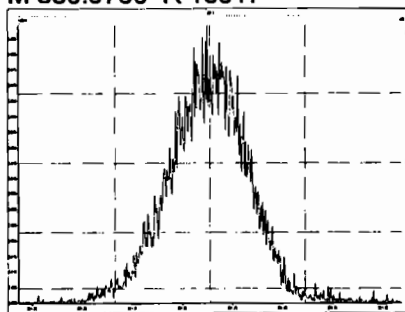
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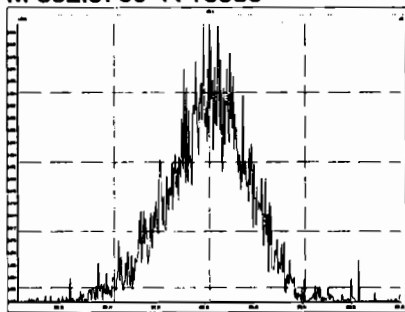
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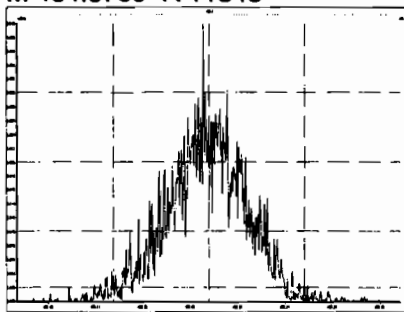
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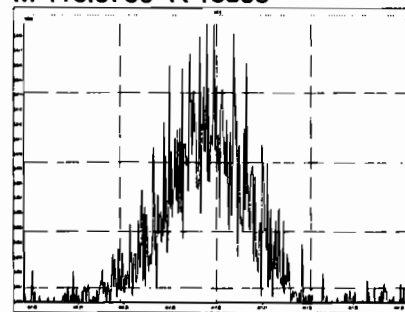
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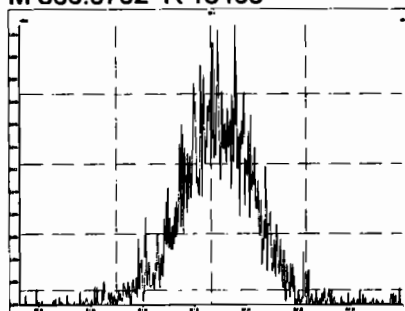
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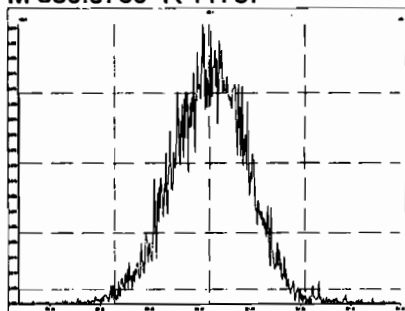
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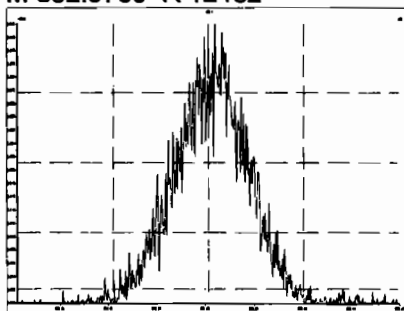
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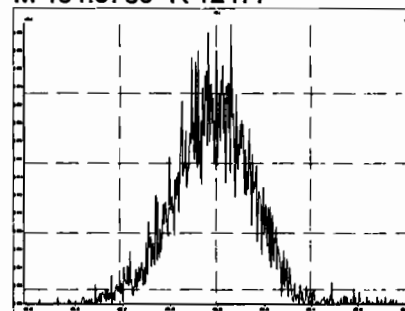
M 380.9760 R 11757



M 392.9760 R 12452

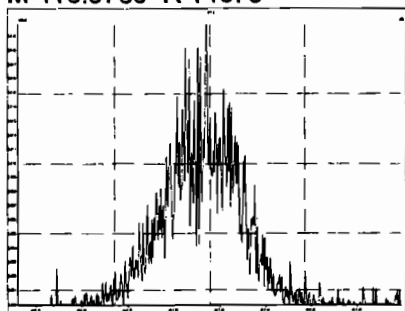


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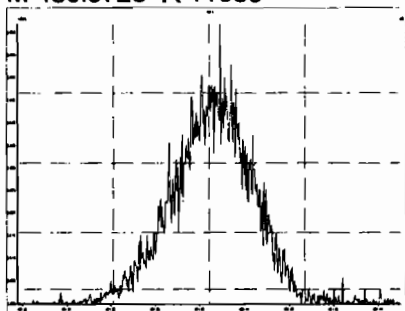


Printed: Thursday, January 30, 2020 16:26:56 Pacific Standard Time

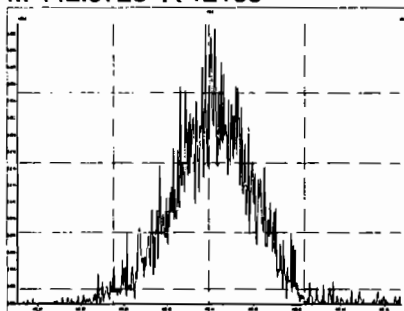
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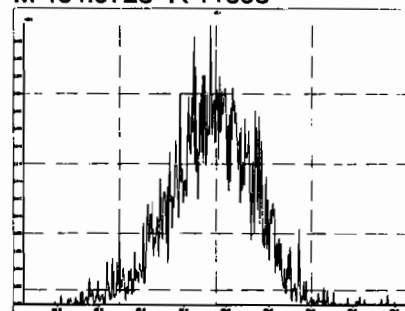
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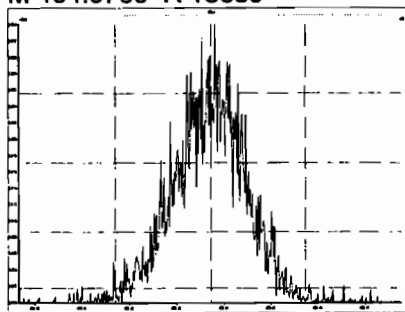
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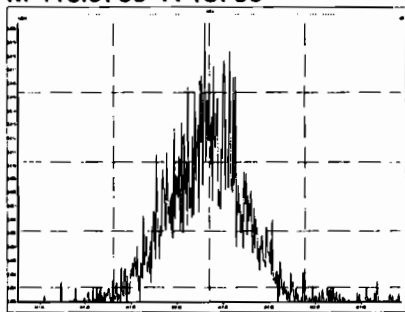
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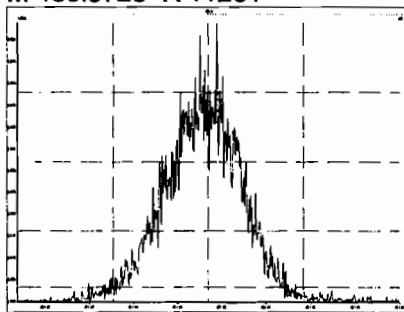
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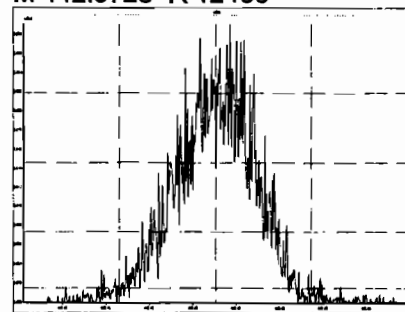
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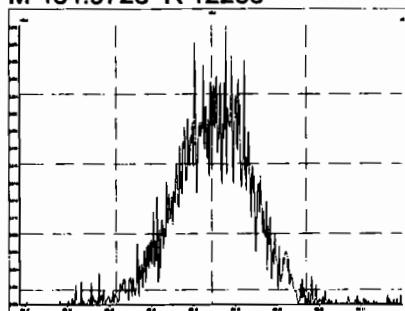
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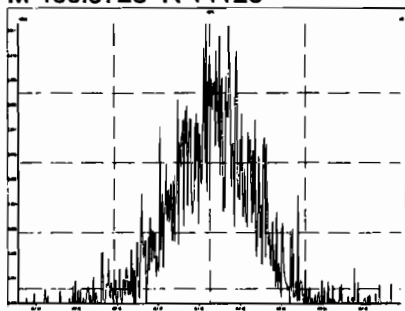
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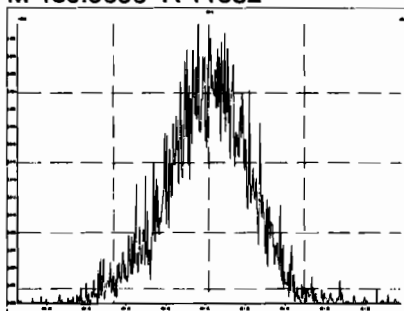
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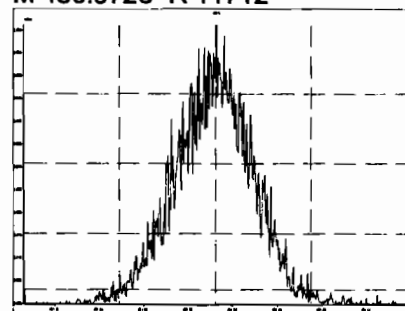
M 466.9728 R 14125



M 480.9696 R 11532

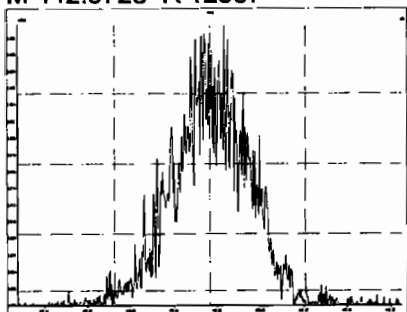


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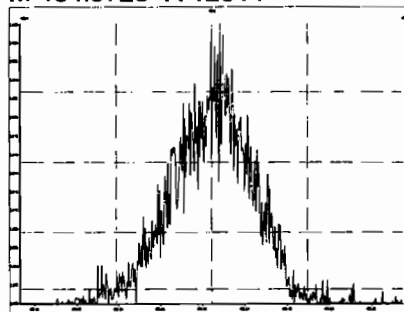


Printed: Thursday, January 30, 2020 16:26:56 Pacific Standard Time

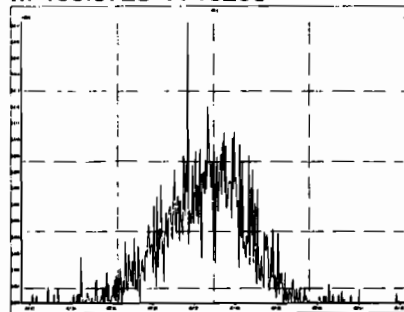
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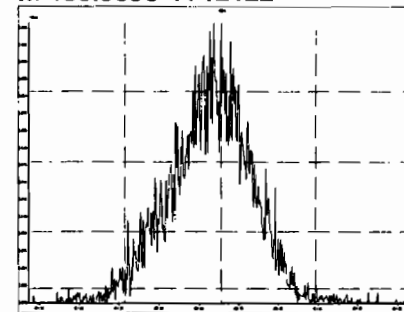
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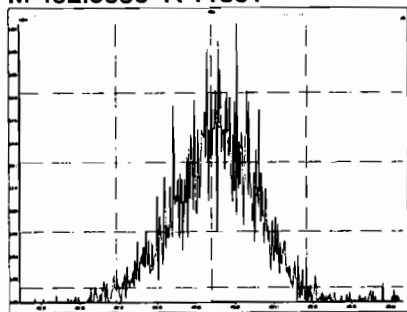
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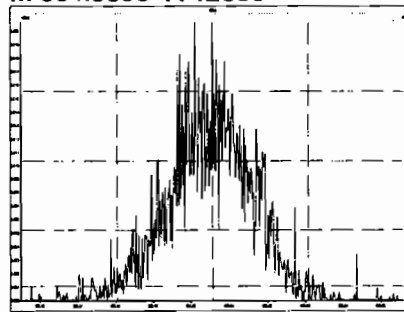
M 480.9696 R 12122



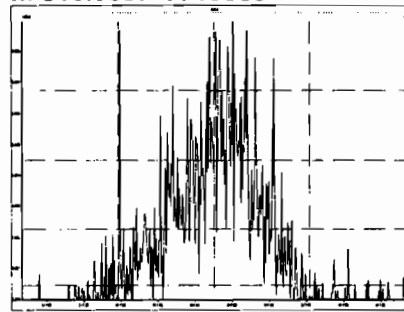
M 492.9696 R 11861



M 504.9696 R 12680



M 516.9697 R 15339



INITIAL CALIBRATION

Dataset: U:\VG11.PRO\Results\200128K1\200128K1-CRV.qld

Last Altered: Wednesday, January 29, 2020 07:17:59 Pacific Standard Time
 Printed: Wednesday, January 29, 2020 09:42:43 Pacific Standard Time

HZ 1-29-2020 CT 01/29/2020

Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19
 Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Compound name: 2,3,7,8-TCDD
 Response Factor: 0.943107
 RRF SD: 0.0679489, Relative SD: 7.2048
 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	200128K1_1	0.250	0.77	NO	26.06	1.000	1.24e3	5.33e5	0.247	-1.1	0.933	MM
2	200128K1_2	0.500	0.87	NO	26.08	1.001	2.92e3	5.43e5	0.569	13.9	1.07	MM
3	200128K1_3	2.00	0.79	NO	26.11	1.002	5.15e3	2.75e5	1.98	-0.8	0.936	MM
4	200128K1_4	40.0	0.76	NO	26.09	1.002	1.56e5	4.35e5	38.0	-5.1	0.895	bb
5	200128K1_5	300	0.78	NO	26.09	1.001	2.02e6	7.19e5	298	-0.8	0.936	bb
6	200128K1_6	10.0	0.79	NO	26.09	1.001	7.15e4	8.08e5	9.38	-6.2	0.885	db

Compound name: 1,2,3,7,8-PeCDD
 Response Factor: 0.897407
 RRF SD: 0.0416558, Relative SD: 4.6418
 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	200128K1_1	1.25	0.61	NO	31.25	1.001	3.31e3	3.22e5	1.15	-8.3	0.823	MM
2	200128K1_2	2.50	0.61	NO	31.25	1.001	8.18e3	3.45e5	2.64	5.6	0.948	bb
3	200128K1_3	10.0	0.64	NO	31.25	1.001	1.66e4	1.80e5	10.3	2.6	0.921	bb
4	200128K1_4	200	0.62	NO	31.25	1.001	5.02e5	2.79e5	201	0.3	0.900	bb
5	200128K1_5	1500	0.63	NO	31.25	1.001	7.29e6	5.38e5	1510	0.6	0.903	bb
6	200128K1_6	50.0	0.62	NO	31.25	1.001	2.41e5	5.41e5	49.6	-0.8	0.890	bb

Dataset: U:\VG11.PRO\Results\200128K1\200128K1-CRV.qld

Last Altered: Wednesday, January 29, 2020 07:17:59 Pacific Standard Time

Printed: Wednesday, January 29, 2020 09:42:43 Pacific Standard Time

Compound name: 1,2,3,4,7,8-HxCDD

Response Factor: 1.16804

RRF SD: 0.0431192, Relative SD: 3.69159

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 200128K1_1	1.25	1.38	NO	34.59	1.001	2.91e3	2.08e5	1.20	-4.1	1.12	bd
2 200128K1_2	2.50	1.27	NO	34.58	1.000	6.11e3	2.08e5	2.51	0.4	1.17	MM
3 200128K1_3	10.0	1.29	NO	34.59	1.000	1.30e4	1.05e5	10.6	6.3	1.24	MM
4 200128K1_4	200	1.26	NO	34.58	1.000	4.14e5	1.75e5	202	1.1	1.18	MM
5 200128K1_5	1500	1.25	NO	34.59	1.000	6.76e6	3.88e5	1490	-0.5	1.16	bd
6 200128K1_6	50.0	1.27	NO	34.59	1.001	1.97e5	3.48e5	48.4	-3.2	1.13	bd

Compound name: 1,2,3,6,7,8-HxCDD

Response Factor: 1.00682

RRF SD: 0.0589988, Relative SD: 5.85989

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 200128K1_1	1.25	1.34	NO	34.69	1.000	2.87e3	2.55e5	1.12	-10.5	0.902	MM
2 200128K1_2	2.50	1.17	NO	34.69	1.001	7.12e3	2.64e5	2.68	7.0	1.08	MM
3 200128K1_3	10.0	1.21	NO	34.69	1.000	1.37e4	1.33e5	10.3	2.8	1.04	MM
4 200128K1_4	200	1.26	NO	34.69	1.001	4.57e5	2.23e5	204	2.0	1.03	db
5 200128K1_5	1500	1.28	NO	34.69	1.000	7.68e6	5.13e5	1490	-1.0	0.997	db
6 200128K1_6	50.0	1.25	NO	34.69	1.000	2.21e5	4.40e5	49.8	-0.5	1.00	MM

Compound name: 1,2,3,7,8,9-HxCDD

Response Factor: 0.98198

RRF SD: 0.0544799, Relative SD: 5.54796

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 200128K1_1	1.25	1.32	NO	34.94	1.000	2.57e3	2.34e5	1.12	-10.5	0.878	MM
2 200128K1_2	2.50	1.24	NO	34.97	1.001	5.96e3	2.36e5	2.57	2.6	1.01	MM

Dataset: U:\VG11.PRO\Results\200128K1\200128K1-CRV.qld

Last Altered: Wednesday, January 29, 2020 07:17:59 Pacific Standard Time
 Printed: Wednesday, January 29, 2020 09:42:43 Pacific Standard 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
200128K1_3	10.0	1.27	NO	34.97	1.000	1.20e4	1.20e5	10.3	2.6	1.01	MM
200128K1_4	200	1.25	NO	34.95	1.000	3.95e5	2.00e5	201	0.7	0.989	bb
200128K1_5	1500	1.25	NO	34.97	1.001	6.54e6	4.22e5	1580	5.3	1.03	bb
200128K1_6	50.0	1.32	NO	34.95	1.000	1.93e5	3.97e5	49.7	-0.7	0.975	db

Compound name: 1,2,3,4,6,7,8-HpCDD

Response Factor: 1.06223

RRF SD: 0.0496215, Relative SD: 4.67144

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
200128K1_1	1.25	1.02	NO	38.44	1.001	1.89e3	1.54e5	1.15	-7.9	0.978	MM
200128K1_2	2.50	1.03	NO	38.43	1.000	4.44e3	1.59e5	2.63	5.1	1.12	MM
200128K1_3	10.0	1.04	NO	38.46	1.001	8.82e3	8.06e4	10.3	3.0	1.09	MM
200128K1_4	200	1.07	NO	38.43	1.000	2.94e5	1.39e5	198	-0.9	1.05	MM
200128K1_5	1500	1.05	NO	38.44	1.000	4.70e6	2.88e5	1540	2.5	1.09	MM
200128K1_6	50.0	1.05	NO	38.43	1.000	1.35e5	2.59e5	49.0	-1.9	1.04	MM

Compound name: OCDD

Response Factor: 1.04404

RRF SD: 0.0325638, Relative SD: 3.11902

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
200128K1_1	2.50	0.92	NO	41.64	1.000	2.90e3	2.33e5	2.38	-4.9	0.993	MM
200128K1_2	5.00	0.96	NO	41.67	1.000	6.71e3	2.50e5	5.15	2.9	1.07	MM
200128K1_3	20.0	0.90	NO	41.67	1.000	1.31e4	1.25e5	20.1	0.6	1.05	MM
200128K1_4	400	0.87	NO	41.66	1.000	4.53e5	2.18e5	398	-0.5	1.04	MM
200128K1_5	3000	0.90	NO	41.68	1.000	8.38e6	5.17e5	3110	3.6	1.08	MM
200128K1_6	100	0.90	NO	41.68	1.000	2.34e5	4.57e5	98.3	-1.7	1.03	MM

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Compound name: 2,3,7,8-TCDF

Response Factor: 0.970009

RRF SD: 0.0923254, Relative SD: 9.518

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	200128K1_1	0.250	0.88	NO	25.08	1.001	1.56e3	7.72e5	0.209	-16.5	0.810	MM
2	200128K1_2	0.500	0.75	NO	25.08	1.001	4.18e3	7.77e5	0.555	11.1	1.08	MM
3	200128K1_3	2.00	0.77	NO	25.11	1.001	8.15e3	3.93e5	2.14	6.9	1.04	MM
4	200128K1_4	40.0	0.79	NO	25.08	1.001	2.36e5	6.11e5	39.8	-0.5	0.966	bb
5	200128K1_5	300	0.78	NO	25.10	1.001	3.03e6	1.02e6	305	1.7	0.987	bb
6	200128K1_6	10.0	0.78	NO	25.10	1.001	1.06e5	1.12e6	9.72	-2.8	0.943	bb

Compound name: 1,2,3,7,8-PeCDF

Response Factor: 0.958044

RRF SD: 0.0352085, Relative SD: 3.67503

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	200128K1_1	1.25	1.54	NO	29.92	1.000	5.92e3	5.32e5	1.16	-7.1	0.890	MM
2	200128K1_2	2.50	1.64	NO	29.94	1.001	1.33e4	5.37e5	2.58	3.0	0.987	bb
3	200128K1_3	10.0	1.56	NO	29.94	1.001	2.71e4	2.78e5	10.2	1.7	0.975	bb
4	200128K1_4	200	1.60	NO	29.94	1.001	8.04e5	4.12e5	204	2.0	0.977	bb
5	200128K1_5	1500	1.57	NO	29.94	1.001	1.17e7	8.09e5	1510	1.0	0.967	bb
6	200128K1_6	50.0	1.61	NO	29.94	1.001	3.96e5	8.31e5	49.7	-0.6	0.952	bd

Compound name: 2,3,4,7,8-PeCDF

Response Factor: 1.00739

RRF SD: 0.0369278, Relative SD: 3.66571

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	200128K1_1	1.25	1.49	NO	30.93	1.001	5.73e3	4.89e5	1.16	-6.9	0.938	MM
2	200128K1_2	2.50	1.59	NO	30.93	1.001	1.28e4	5.11e5	2.48	-0.8	0.999	MM

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Compound name: 2,3,4,7,8-PeCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200128K1_3	10.0	1.52	NO	30.93	1.000	2.75e4	2.68e5	10.2	2.1	1.03	bb
4	200128K1_4	200	1.58	NO	30.93	1.001	8.36e5	4.08e5	204	1.8	1.03	bb
5	200128K1_5	1500	1.58	NO	30.93	1.000	1.19e7	7.59e5	1550	3.4	1.04	bb
6	200128K1_6	50.0	1.58	NO	30.93	1.000	3.96e5	7.83e5	50.2	0.4	1.01	bb

Compound name: 1,2,3,4,7,8-HxCDF

Response Factor: 1.16319

RRF SD: 0.0431643, Relative SD: 3.71085

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	200128K1_1	1.25	1.17	NO	33.74	1.001	4.76e3	3.41e5	1.20	-4.1	1.12	MM
2	200128K1_2	2.50	1.26	NO	33.74	1.001	1.03e4	3.46e5	2.57	2.8	1.20	MM
3	200128K1_3	10.0	1.24	NO	33.74	1.000	2.12e4	1.74e5	10.5	5.1	1.22	bd
4	200128K1_4	200	1.25	NO	33.72	1.000	6.92e5	2.95e5	201	0.7	1.17	MM
5	200128K1_5	1500	1.25	NO	33.74	1.001	9.80e6	5.64e5	1490	-0.3	1.16	bd
6	200128K1_6	50.0	1.25	NO	33.74	1.001	3.10e5	5.57e5	47.9	-4.2	1.11	bd

Compound name: 1,2,3,6,7,8-HxCDF

Response Factor: 1.14312

RRF SD: 0.067922, Relative SD: 5.94182

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	200128K1_1	1.25	1.24	NO	33.85	1.000	4.97e3	3.88e5	1.12	-10.2	1.03	db
2	200128K1_2	2.50	1.25	NO	33.85	1.000	1.11e4	3.68e5	2.64	5.8	1.21	MM
3	200128K1_3	10.0	1.21	NO	33.86	1.000	2.28e4	1.88e5	10.6	6.1	1.21	MM
4	200128K1_4	200	1.31	NO	33.85	1.001	7.65e5	3.39e5	197	-1.4	1.13	db
5	200128K1_5	1500	1.24	NO	33.85	1.000	1.16e7	6.74e5	1500	0.2	1.14	db
6	200128K1_6	50.0	1.20	NO	33.85	1.000	3.66e5	6.42e5	49.8	-0.4	1.14	db

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Compound name: 2,3,4,6,7,8-HxCDF

Response Factor: 1.21309

RRF SD: 0.0738226, Relative SD: 6.08552

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	200128K1_1	1.25	1.30	NO	34.42	1.000	4.77e3	3.49e5	1.13	-9.8	1.09	MM
2	200128K1_2	2.50	1.28	NO	34.42	1.000	1.13e4	3.44e5	2.71	8.4	1.32	MM
3	200128K1_3	10.0	1.27	NO	34.43	1.001	2.20e4	1.76e5	10.3	3.4	1.25	MM
4	200128K1_4	200	1.27	NO	34.42	1.000	7.06e5	2.96e5	196	-1.8	1.19	bb
5	200128K1_5	1500	1.25	NO	34.42	1.000	1.09e7	5.90e5	1520	1.2	1.23	bb
6	200128K1_6	50.0	1.26	NO	34.42	1.000	3.43e5	5.74e5	49.3	-1.4	1.20	bb

Compound name: 1,2,3,7,8,9-HxCDF

Response Factor: 1.13488

RRF SD: 0.0300169, Relative SD: 2.64495

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	200128K1_1	1.25	1.23	NO	35.29	1.000	3.74e3	2.75e5	1.20	-4.2	1.09	MM
2	200128K1_2	2.50	1.24	NO	35.29	1.000	7.91e3	2.76e5	2.53	1.0	1.15	bb
3	200128K1_3	10.0	1.27	NO	35.29	1.000	1.57e4	1.34e5	10.3	3.2	1.17	MM
4	200128K1_4	200	1.25	NO	35.29	1.000	5.26e5	2.35e5	197	-1.4	1.12	MM
5	200128K1_5	1500	1.26	NO	35.29	1.000	8.83e6	5.09e5	1530	2.0	1.16	bb
6	200128K1_6	50.0	1.25	NO	35.29	1.000	2.60e5	4.61e5	49.7	-0.6	1.13	bb

Compound name: 1,2,3,4,6,7,8-HpCDF

Response Factor: 1.18912

RRF SD: 0.0591206, Relative SD: 4.97181

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	200128K1_1	1.25	1.02	NO	37.02	1.000	3.46e3	2.47e5	1.18	-5.7	1.12	MM
2	200128K1_2	2.50	1.04	NO	37.02	1.000	7.75e3	2.44e5	2.67	6.9	1.27	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	200128K1_3	10.0	1.12	NO	37.03	1.000	1.67e4	1.35e5	10.4	4.0	1.24	MM
4	200128K1_4	200	1.05	NO	37.02	1.000	5.23e5	2.21e5	199	-0.3	1.18	bb
5	200128K1_5	1500	1.05	NO	37.03	1.000	7.97e6	4.45e5	1510	0.4	1.19	bb
6	200128K1_6	50.0	1.04	NO	37.03	1.001	2.56e5	4.55e5	47.4	-5.3	1.13	MM

Compound name: 1,2,3,4,7,8,9-HpCDF

Response Factor: 1.38965

RRF SD: 0.0565835, Relative SD: 4.07179

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	200128K1_1	1.25	1.18	NO	39.05	1.000	2.61e3	1.55e5	1.21	-2.9	1.35	MM
2	200128K1_2	2.50	0.93	NO	39.06	1.000	5.48e3	1.61e5	2.45	-1.9	1.36	MM
3	200128K1_3	10.0	1.02	NO	39.07	1.001	1.13e4	7.64e4	10.7	6.8	1.48	MM
4	200128K1_4	200	1.03	NO	39.06	1.001	3.85e5	1.40e5	198	-1.1	1.38	bb
5	200128K1_5	1500	1.03	NO	39.07	1.000	6.34e6	2.96e5	1540	2.9	1.43	bb
6	200128K1_6	50.0	1.06	NO	39.06	1.001	1.82e5	2.72e5	48.1	-3.8	1.34	MM

Compound name: OCDF

Response Factor: 1.06138

RRF SD: 0.0487622, Relative SD: 4.59423

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	200128K1_1	2.50	0.86	NO	41.86	1.000	3.77e3	3.00e5	2.37	-5.2	1.01	MM
2	200128K1_2	5.00	0.90	NO	41.86	1.000	8.85e3	3.22e5	5.18	3.7	1.10	MM
3	200128K1_3	20.0	0.91	NO	41.88	1.000	1.85e4	1.65e5	21.2	6.0	1.12	MM
4	200128K1_4	400	0.91	NO	41.86	1.000	6.14e5	2.94e5	394	-1.5	1.05	MM
5	200128K1_5	3000	0.91	NO	41.88	1.000	1.21e7	7.46e5	3060	1.9	1.08	MM
6	200128K1_6	100	0.90	NO	41.87	1.000	3.13e5	6.21e5	95.2	-4.8	1.01	MM

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Compound name: 13C-2,3,7,8-TCDD

Response Factor: 1.17333

RRF SD: 0.10556, Relative SD: 8.99663

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	200128K1_1	100	0.75	NO	26.06	1.028	5.33e5	4.06e5	112	11.8	1.31	bb
2	200128K1_2	100	0.79	NO	26.06	1.028	5.43e5	5.15e5	89.8	-10.2	1.05	bb
3	200128K1_3	100	0.77	NO	26.06	1.028	2.75e5	2.64e5	88.7	-11.3	1.04	bb
4	200128K1_4	100	0.76	NO	26.05	1.027	4.35e5	3.56e5	104	4.1	1.22	bd
5	200128K1_5	100	0.76	NO	26.06	1.028	7.19e5	5.93e5	103	3.3	1.21	bb
6	200128K1_6	100	0.78	NO	26.06	1.028	8.08e5	6.74e5	102	2.3	1.20	bb

Compound name: 13C-1,2,3,7,8-PeCDD

Response Factor: 0.773124

RRF SD: 0.0880519, Relative SD: 11.3891

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	200128K1_1	100	0.62	NO	31.23	1.232	3.22e5	4.06e5	103	2.6	0.793	MM
2	200128K1_2	100	0.64	NO	31.23	1.232	3.45e5	5.15e5	86.7	-13.3	0.670	bb
3	200128K1_3	100	0.59	NO	31.23	1.232	1.80e5	2.64e5	88.0	-12.0	0.681	bb
4	200128K1_4	100	0.62	NO	31.23	1.232	2.79e5	3.56e5	101	1.3	0.783	MM
5	200128K1_5	100	0.63	NO	31.23	1.232	5.38e5	5.93e5	117	17.4	0.908	bb
6	200128K1_6	100	0.64	NO	31.23	1.232	5.41e5	6.74e5	104	4.0	0.804	bb

Compound name: 13C-1,2,3,4,7,8-HxCDD

Response Factor: 0.599855

RRF SD: 0.0793753, Relative SD: 13.2324

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	200128K1_1	100	1.24	NO	34.57	1.014	2.08e5	3.22e5	108	7.5	0.645	bd
2	200128K1_2	100	1.24	NO	34.57	1.014	2.08e5	3.99e5	87.2	-12.8	0.523	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
200128K1_3	100	1.29	NO	34.58	1.014	1.05e5	2.00e5	87.5	-12.5	0.525	bd
200128K1_4	100	1.25	NO	34.57	1.014	1.75e5	3.08e5	94.9	-5.1	0.569	bd
200128K1_5	100	1.27	NO	34.58	1.014	3.88e5	5.31e5	122	21.7	0.730	MM
200128K1_6	100	1.29	NO	34.57	1.014	3.48e5	5.73e5	101	1.3	0.607	bd

Compound name: 13C-1,2,3,6,7,8-HxCDD

Response Factor: 0.763127

RRF SD: 0.112624, Relative SD: 14.7582

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
200128K1_1	100	1.22	NO	34.68	1.017	2.55e5	3.22e5	104	3.8	0.792	MM
200128K1_2	100	1.25	NO	34.67	1.017	2.64e5	3.99e5	86.9	-13.1	0.663	MM
200128K1_3	100	1.25	NO	34.68	1.017	1.33e5	2.00e5	87.2	-12.8	0.665	MM
200128K1_4	100	1.29	NO	34.67	1.017	2.23e5	3.08e5	94.7	-5.3	0.723	db
200128K1_5	100	1.22	NO	34.68	1.017	5.13e5	5.31e5	127	26.6	0.966	db
200128K1_6	100	1.34	NO	34.68	1.017	4.40e5	5.73e5	101	0.8	0.769	MM

Compound name: 13C-1,2,3,7,8,9-HxCDD

Response Factor: 0.675947

RRF SD: 0.0780148, Relative SD: 11.5416

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
200128K1_1	100	1.27	NO	34.94	1.025	2.34e5	3.22e5	108	7.7	0.728	MM
200128K1_2	100	1.22	NO	34.94	1.025	2.36e5	3.99e5	87.7	-12.3	0.593	bd
200128K1_3	100	1.24	NO	34.95	1.025	1.20e5	2.00e5	88.7	-11.3	0.599	MM
200128K1_4	100	1.27	NO	34.94	1.025	2.00e5	3.08e5	96.0	-4.0	0.649	bd
200128K1_5	100	1.23	NO	34.94	1.025	4.22e5	5.31e5	117	17.5	0.794	MM
200128K1_6	100	1.25	NO	34.94	1.025	3.97e5	5.73e5	102	2.4	0.692	bb

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

Response Factor: 0.454949
 RRF SD: 0.0528106, Relative SD: 11.608
 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	200128K1_1	100	1.05	NO	38.42	1.127	1.54e5	3.22e5	105	5.4	0.479	MM
2	200128K1_2	100	1.06	NO	38.42	1.127	1.59e5	3.99e5	87.6	-12.4	0.399	MM
3	200128K1_3	100	1.04	NO	38.43	1.127	8.06e4	2.00e5	88.8	-11.2	0.404	MM
4	200128K1_4	100	1.04	NO	38.42	1.127	1.39e5	3.08e5	99.6	-0.4	0.453	MM
5	200128K1_5	100	1.08	NO	38.43	1.127	2.88e5	5.31e5	119	19.1	0.542	MM
6	200128K1_6	100	1.05	NO	38.42	1.127	2.59e5	5.73e5	99.5	-0.5	0.453	MM

Compound name: 13C-OCDD

Response Factor: 0.371291
 RRF SD: 0.0649562, Relative SD: 17.4947
 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	200128K1_1	200	0.90	NO	41.64	1.221	2.33e5	3.22e5	195	-2.4	0.362	MM
2	200128K1_2	200	0.91	NO	41.66	1.222	2.50e5	3.99e5	169	-15.6	0.313	MM
3	200128K1_3	200	0.88	NO	41.66	1.221	1.25e5	2.00e5	169	-15.6	0.313	MM
4	200128K1_4	200	0.88	NO	41.65	1.221	2.18e5	3.08e5	191	-4.7	0.354	MM
5	200128K1_5	200	0.89	NO	41.67	1.222	5.17e5	5.31e5	262	31.0	0.486	MM
6	200128K1_6	200	0.93	NO	41.66	1.222	4.57e5	5.73e5	215	7.4	0.399	MM

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 1.06926
 RRF SD: 0.100364, Relative SD: 9.38632
 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	200128K1_1	100	0.77	NO	25.07	0.988	7.72e5	6.27e5	115	15.1	1.23	bb
2	200128K1_2	100	0.79	NO	25.07	0.988	7.77e5	8.05e5	90.2	-9.8	0.964	bb

Dataset: U:\VG11.PRO\Results\200128K1\200128K1-CRV.qld

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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	200128K1_3	100	0.77	NO	25.08	0.989	3.93e5	4.07e5	90.2	-9.8	0.965	bb
4	200128K1_4	100	0.76	NO	25.07	0.988	6.11e5	5.80e5	98.5	-1.5	1.05	bb
5	200128K1_5	100	0.78	NO	25.08	0.989	1.02e6	9.28e5	103	3.3	1.10	bb
6	200128K1_6	100	0.78	NO	25.07	0.989	1.12e6	1.02e6	103	2.6	1.10	bb

Compound name: 13C-1,2,3,7,8-PeCDF

Response Factor: 0.764982

RRF SD: 0.089259, Relative SD: 11.6681

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	200128K1_1	100	1.56	NO	29.92	1.180	5.32e5	6.27e5	111	10.8	0.848	bb
2	200128K1_2	100	1.58	NO	29.92	1.180	5.37e5	8.05e5	87.2	-12.8	0.667	bb
3	200128K1_3	100	1.62	NO	29.92	1.180	2.78e5	4.07e5	89.1	-10.9	0.682	bb
4	200128K1_4	100	1.58	NO	29.92	1.180	4.12e5	5.80e5	92.8	-7.2	0.710	MM
5	200128K1_5	100	1.61	NO	29.92	1.180	8.09e5	9.28e5	114	14.0	0.872	bb
6	200128K1_6	100	1.59	NO	29.92	1.180	8.31e5	1.02e6	106	6.1	0.811	bb

Compound name: 13C-2,3,4,7,8-PeCDF

Response Factor: 0.726124

RRF SD: 0.0727013, Relative SD: 10.0122

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	200128K1_1	100	1.55	NO	30.91	1.219	4.89e5	6.27e5	107	7.3	0.779	bb
2	200128K1_2	100	1.62	NO	30.91	1.219	5.11e5	8.05e5	87.4	-12.6	0.635	bb
3	200128K1_3	100	1.58	NO	30.93	1.220	2.68e5	4.07e5	90.4	-9.6	0.657	db
4	200128K1_4	100	1.57	NO	30.91	1.219	4.08e5	5.80e5	96.9	-3.1	0.704	bb
5	200128K1_5	100	1.55	NO	30.93	1.220	7.59e5	9.28e5	113	12.7	0.818	bb
6	200128K1_6	100	1.58	NO	30.93	1.220	7.83e5	1.02e6	105	5.3	0.765	bb

Dataset: U:\VG11.PRO\Results\200128K1\200128K1-CRV.qld

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Compound name: 13C-1,2,3,4,7,8-HxCDF

Response Factor: 0.964852

RRF SD: 0.0857537, Relative SD: 8.88775

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	200128K1_1	100	0.52	NO	33.71	0.989	3.41e5	3.22e5	110	9.8	1.06	bd
2	200128K1_2	100	0.53	NO	33.71	0.989	3.46e5	3.99e5	89.9	-10.1	0.867	bd
3	200128K1_3	100	0.53	NO	33.72	0.989	1.74e5	2.00e5	90.2	-9.8	0.870	MM
4	200128K1_4	100	0.54	NO	33.71	0.989	2.95e5	3.08e5	99.4	-0.6	0.959	MM
5	200128K1_5	100	0.53	NO	33.71	0.988	5.64e5	5.31e5	110	10.0	1.06	bd
6	200128K1_6	100	0.51	NO	33.71	0.989	5.57e5	5.73e5	101	0.8	0.972	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF

Response Factor: 1.09377

RRF SD: 0.138155, Relative SD: 12.631

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	200128K1_1	100	0.54	NO	33.83	0.992	3.88e5	3.22e5	110	10.1	1.20	dd
2	200128K1_2	100	0.54	NO	33.83	0.992	3.68e5	3.99e5	84.4	-15.6	0.923	MM
3	200128K1_3	100	0.52	NO	33.85	0.992	1.88e5	2.00e5	86.2	-13.8	0.943	MM
4	200128K1_4	100	0.50	NO	33.82	0.992	3.39e5	3.08e5	101	0.8	1.10	db
5	200128K1_5	100	0.52	NO	33.83	0.992	6.74e5	5.31e5	116	16.0	1.27	db
6	200128K1_6	100	0.53	NO	33.83	0.992	6.42e5	5.73e5	103	2.6	1.12	db

Compound name: 13C-2,3,4,6,7,8-HxCDF

Response Factor: 0.983619

RRF SD: 0.102329, Relative SD: 10.4033

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	200128K1_1	100	0.52	NO	34.41	1.009	3.49e5	3.22e5	110	10.2	1.08	bb
2	200128K1_2	100	0.54	NO	34.41	1.009	3.44e5	3.99e5	87.6	-12.4	0.862	bb

Dataset: U:\VG11.PRO\Results\200128K1\200128K1-CRV.qld

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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	200128K1_3	100	0.54	NO	34.40	1.009	1.76e5	2.00e5	89.5	-10.5	0.880	bb
4	200128K1_4	100	0.52	NO	34.41	1.009	2.96e5	3.08e5	97.9	-2.1	0.963	bd
5	200128K1_5	100	0.53	NO	34.41	1.009	5.90e5	5.31e5	113	12.9	1.11	bb
6	200128K1_6	100	0.55	NO	34.41	1.009	5.74e5	5.73e5	102	1.9	1.00	bd

Compound name: 13C-1,2,3,7,8,9-HxCDF

Response Factor: 0.790383

RRF SD: 0.106995, Relative SD: 13.5371

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	200128K1_1	100	0.52	NO	35.28	1.035	2.75e5	3.22e5	108	8.0	0.854	MM
2	200128K1_2	100	0.53	NO	35.28	1.035	2.76e5	3.99e5	87.5	-12.5	0.692	bb
3	200128K1_3	100	0.53	NO	35.28	1.034	1.34e5	2.00e5	84.8	-15.2	0.670	MM
4	200128K1_4	100	0.52	NO	35.28	1.035	2.35e5	3.08e5	96.6	-3.4	0.764	MM
5	200128K1_5	100	0.53	NO	35.28	1.034	5.09e5	5.31e5	121	21.2	0.958	MM
6	200128K1_6	100	0.51	NO	35.28	1.035	4.61e5	5.73e5	102	1.8	0.805	MM

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

Response Factor: 0.733528

RRF SD: 0.0826583, Relative SD: 11.2686

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	200128K1_1	100	0.44	NO	37.01	1.085	2.47e5	3.22e5	104	4.4	0.766	MM
2	200128K1_2	100	0.45	NO	37.01	1.085	2.44e5	3.99e5	83.3	-16.7	0.611	MM
3	200128K1_3	100	0.43	NO	37.02	1.085	1.35e5	2.00e5	92.1	-7.9	0.676	MM
4	200128K1_4	100	0.45	NO	37.02	1.086	2.21e5	3.08e5	97.7	-2.3	0.717	bb
5	200128K1_5	100	0.45	NO	37.02	1.085	4.45e5	5.31e5	114	14.2	0.838	MM
6	200128K1_6	100	0.45	NO	37.01	1.085	4.55e5	5.73e5	108	8.2	0.794	MM

Dataset: U:\VG11.PRO\Results\200128K1\200128K1-CRV.qld

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Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Response Factor: 0.458743

RRF SD: 0.0617207, Relative SD: 13.4543

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	200128K1_1	100	0.44	NO	39.05	1.145	1.55e5	3.22e5	105	4.6	0.480	bb
2	200128K1_2	100	0.43	NO	39.05	1.145	1.61e5	3.99e5	87.9	-12.1	0.403	bd
3	200128K1_3	100	0.44	NO	39.05	1.145	7.64e4	2.00e5	83.5	-16.5	0.383	MM
4	200128K1_4	100	0.43	NO	39.04	1.145	1.40e5	3.08e5	99.2	-0.8	0.455	bb
5	200128K1_5	100	0.45	NO	39.06	1.145	2.96e5	5.31e5	121	21.3	0.556	bb
6	200128K1_6	100	0.44	NO	39.04	1.145	2.72e5	5.73e5	104	3.5	0.475	MM

Compound name: 13C-OCDF

Response Factor: 0.500276

RRF SD: 0.110795, Relative SD: 22.1467

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	200128K1_1	200	0.91	NO	41.83	1.227	3.00e5	3.22e5	186	-7.0	0.465	MM
2	200128K1_2	200	0.91	NO	41.86	1.227	3.22e5	3.99e5	161	-19.4	0.403	MM
3	200128K1_3	200	0.88	NO	41.86	1.227	1.65e5	2.00e5	165	-17.6	0.412	MM
4	200128K1_4	200	0.90	NO	41.85	1.227	2.94e5	3.08e5	191	-4.7	0.477	MM
5	200128K1_5	200	0.90	NO	41.87	1.227	7.46e5	5.31e5	281	40.3	0.702	MM
6	200128K1_6	200	0.91	NO	41.86	1.227	6.21e5	5.73e5	217	8.3	0.542	MM

Compound name: 37Cl-2,3,7,8-TCDD

Response Factor: 1.12439

RRF SD: 0.0809483, Relative SD: 7.19934

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	200128K1_1	0.250			26.09	1.029	1.10e3	4.06e5	0.241	-3.5	1.09	bb
2	200128K1_2	0.500			26.09	1.029	3.13e3	5.15e5	0.540	8.1	1.22	bb

Dataset: U:\VG11.PRO\Results\200128K1\200128K1-CRV.qld

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Compound name: 37Cl-2,3,7,8-TCDD

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
200128K1_3	2.00			26.08	1.028	5.28e3	2.64e5	1.78	-11.2	0.999	bb
200128K1_4	40.0			26.08	1.028	1.66e5	3.56e5	41.4	3.5	1.16	bb
200128K1_5	200			26.09	1.029	1.41e6	5.93e5	212	6.0	1.19	bb
200128K1_6	10.0			26.08	1.028	7.35e4	6.74e5	9.71	-2.9	1.09	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
200128K1_1	100	0.78	NO	25.36	1.000	4.06e5	4.06e5	100	0.0	1.00	bb
200128K1_2	100	0.80	NO	25.36	1.000	5.15e5	5.15e5	100	0.0	1.00	bb
200128K1_3	100	0.79	NO	25.36	1.000	2.64e5	2.64e5	100	0.0	1.00	bb
200128K1_4	100	0.78	NO	25.36	1.000	3.56e5	3.56e5	100	0.0	1.00	bb
200128K1_5	100	0.80	NO	25.36	1.000	5.93e5	5.93e5	100	0.0	1.00	bb
200128K1_6	100	0.80	NO	25.36	1.000	6.74e5	6.74e5	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
200128K1_1	100	0.78	NO	23.43	1.000	6.27e5	6.27e5	100	0.0	1.00	bb
200128K1_2	100	0.79	NO	23.45	1.000	8.05e5	8.05e5	100	0.0	1.00	bb
200128K1_3	100	0.78	NO	23.45	1.000	4.07e5	4.07e5	100	0.0	1.00	bb
200128K1_4	100	0.78	NO	23.45	1.000	5.80e5	5.80e5	100	0.0	1.00	bb
200128K1_5	100	0.79	NO	23.45	1.000	9.28e5	9.28e5	100	0.0	1.00	bb
200128K1_6	100	0.79	NO	23.43	1.000	1.02e6	1.02e6	100	0.0	1.00	bb

Dataset: U:\VG11.PRO\Results\200128K1\200128K1-CRV.qld

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Compound name: 13C-1,2,3,4,6,9-HxCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200128K1_1	100	0.52	NO	34.10	1.000	3.22e5	3.22e5	100	0.0	1.00	db
2	200128K1_2	100	0.53	NO	34.10	1.000	3.99e5	3.99e5	100	0.0	1.00	bb
3	200128K1_3	100	0.52	NO	34.11	1.000	2.00e5	2.00e5	100	0.0	1.00	bb
4	200128K1_4	100	0.51	NO	34.10	1.000	3.08e5	3.08e5	100	0.0	1.00	bb
5	200128K1_5	100	0.52	NO	34.11	1.000	5.31e5	5.31e5	100	0.0	1.00	bb
6	200128K1_6	100	0.54	NO	34.10	1.000	5.73e5	5.73e5	100	0.0	1.00	bb

Dataset: Untitled

Last Altered: Wednesday, January 29, 2020 07:48:32 Pacific Standard Time
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Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19
Calibration: U:\VG11.PRO\CurveDB\1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	200128K1_1	ST200128K1_1 1613 CS0 19L2302	28-Jan-20	12:07:01
2	200128K1_2	ST200128K1_2 1613 CS1 19L2303	28-Jan-20	12:57:23
3	200128K1_3	ST200128K1_3 1613 CS2 19L2304	28-Jan-20	13:45:10
4	200128K1_4	ST200128K1_4 1613 CS4 19L2306	28-Jan-20	14:32:41
5	200128K1_5	ST200128K1_5 1613 CS5 19L2307	28-Jan-20	15:21:04
6	200128K1_6	ST200128K1_6 1613 CS3 19L2305	28-Jan-20	16:09:25
7	200128K1_7	SS200128K1_1 1613 SSS 19L2308	28-Jan-20	16:57:48
8	200128K1_8	B0A0163-BS1 OPR 1	28-Jan-20	17:47:17
9	200128K1_9	B0A0029-BS1 OPR 10	28-Jan-20	18:35:47
10	200128K1_10	B0A0083-BS1 OPR 10	28-Jan-20	19:23:42
11	200128K1_11	B0A0083-BS2 OPR 10	28-Jan-20	20:11:05
12	200128K1_12	B0A0083-BS3 OPR 10	28-Jan-20	20:59:25
13	200128K1_13	SOLVENT BLANK	28-Jan-20	21:47:45
14	200128K1_14	B0A0083-BLK1 Method Blank 10	28-Jan-20	22:37:26
15	200128K1_15	B0A0029-BLK1 Method Blank 10	28-Jan-20	23:25:19
16	200128K1_16	B0A0163-BLK1 Method Blank 1	29-Jan-20	00:12:42
17	200128K1_17	2000123-01 OF-031A BiWeekly Composite D/...	29-Jan-20	01:01:06
18	200128K1_18	1903973-08RE1 NEP C_20191101 12.52	29-Jan-20	01:49:31
19	200128K1_19	1904009-07RE1 PX-S23-SS47-0001 10.75	29-Jan-20	02:38:54
20	200128K1_20	1904009-10RE2 PX-S23-SS48-0001 19.35	29-Jan-20	03:26:17
21	200128K2_1	SOLVENT BLANK	29-Jan-20	04:23:30
22	200128K2_2	ST200128K2_1 1613 CS3 19L2305	29-Jan-20	05:10:21

Dataset: Untitled

Last Altered: Wednesday, January 29, 2020 07:40:57 Pacific Standard Time

Printed: Wednesday, January 29, 2020 07:41:18 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\CPSM-12-7-19.mdb 08 Dec 2019 15:54:09

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200128K1_6, Date: 28-Jan-2020, Time: 16:09:25, ID: ST200128K1_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1,3,6,8-TCDD (First)	21.73
2	1,2,8,9-TCDD (Last)	27.10
3	1,2,4,7,9-PeCDD (First)	28.99
4	1,2,3,8,9-PeCDD (Last)	31.63
5	1,2,4,6,7,9-HxCDD (First)	33.13
6	1,2,3,7,8,9-HxCDD (Last)	34.95
7	1,2,3,4,6,7,9-HpCDD (First)	37.40
8	1,2,3,4,6,7,8-HpCDD (Last)	38.43
9	1,3,6,8-TCDF (First)	19.69
10	1,2,8,9-TCDF (Last)	27.25
11	1,3,4,6,8-PeCDF (First)	27.24
12	1,2,3,8,9-PeCDF (Last)	31.87
13	1,2,3,4,6,8-HxCDF (First)	32.58
14	1,2,3,7,8,9-HxCDF (Last)	35.29
15	1,2,3,4,6,7,8-HpCDF (First)	37.03
16	1,2,3,4,7,8,9-HpCDF (Last)	39.06

Dataset: Untitled

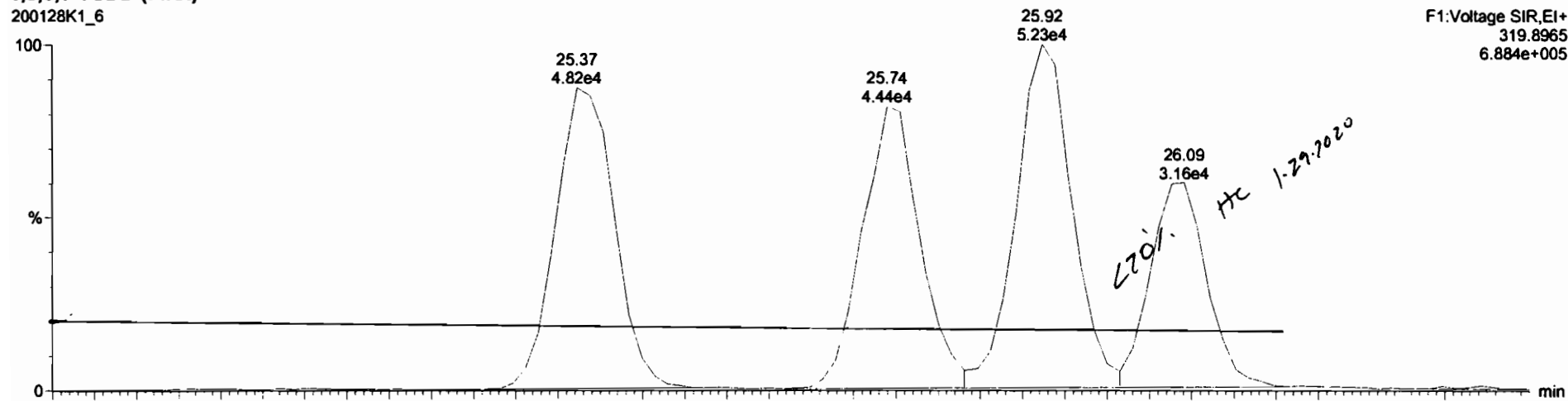
Last Altered: Wednesday, January 29, 2020 07:40:57 Pacific Standard Time
Printed: Wednesday, January 29, 2020 07:41:18 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\CPSM-12-7-19.mdb 08 Dec 2019 15:54:09
Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

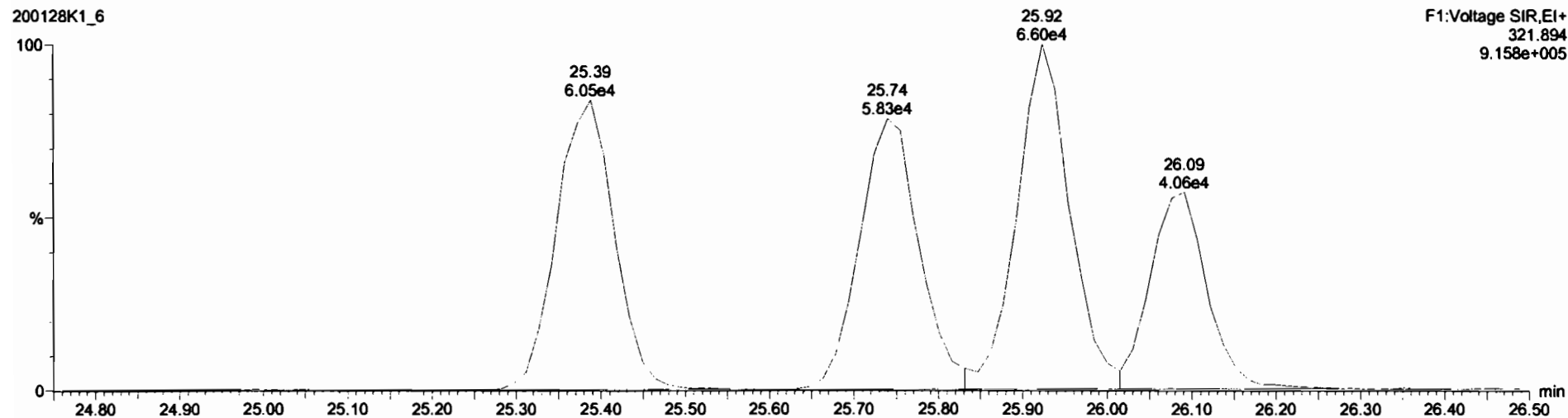
Name: 200128K1_6, Date: 28-Jan-2020, Time: 16:09:25, ID: ST200128K1_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,3,6,8-TCDD (First)

200128K1_6



200128K1_6



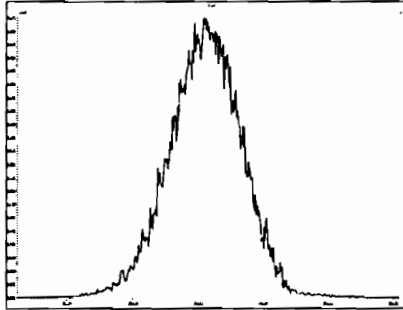
Experiment Calibration Report

MassLynx 4.1 SCN815

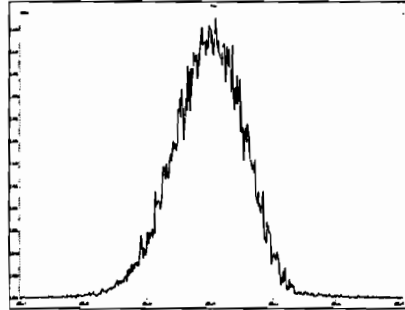
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, January 28, 2020 12:01:52 Pacific Standard Time

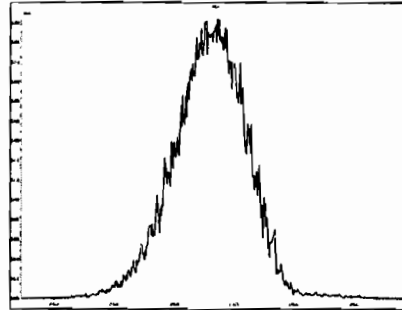
M 292.9824 R 11572



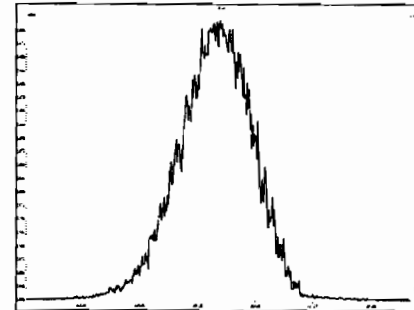
M 304.9824 R 11850



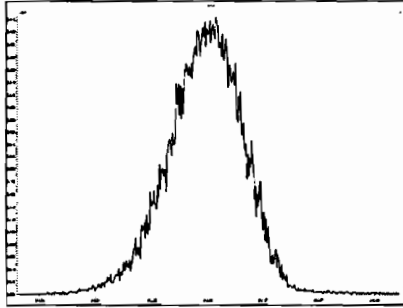
M 318.9792 R 11575



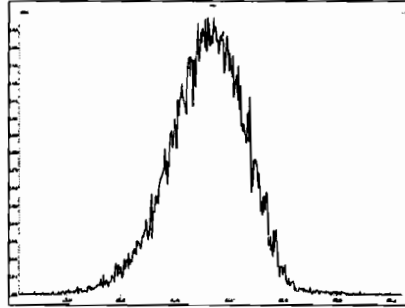
M 330.9792 R 11467



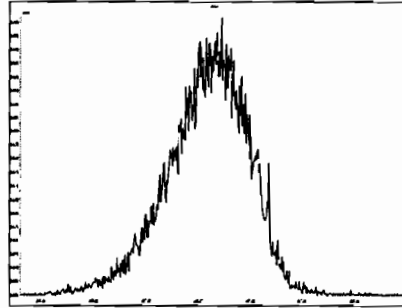
M 342.9792 R 11064



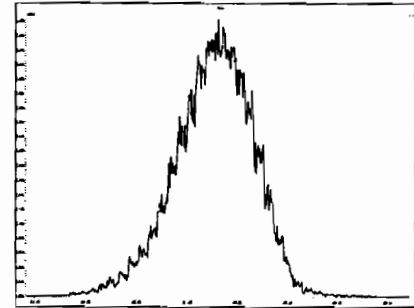
M 354.9792 R 10870



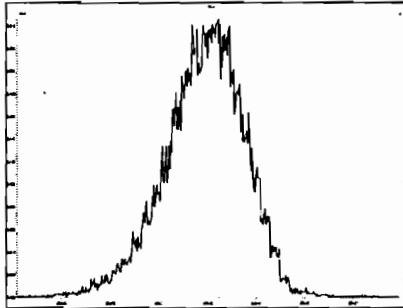
M 366.9792 R 10245



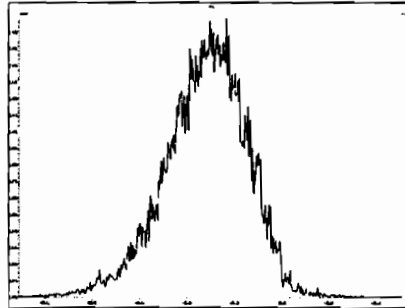
M 380.9760 R 10915



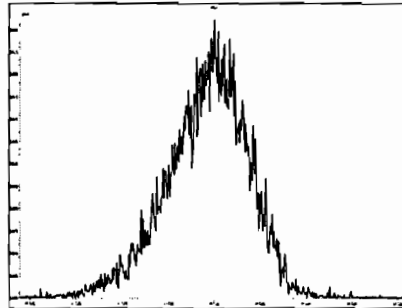
M 392.9760 R 10164



M 404.9760 R 10869



M 416.9760 R 11791



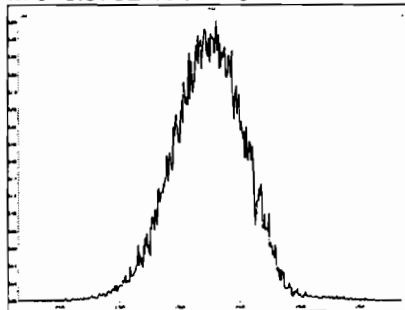
Experiment Calibration Report

MassLynx 4.1 SCN815

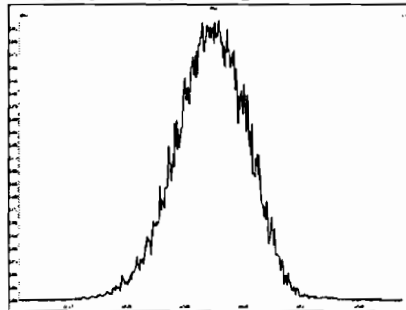
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Tuesday, January 28, 2020 12:02:40 Pacific Standard Time

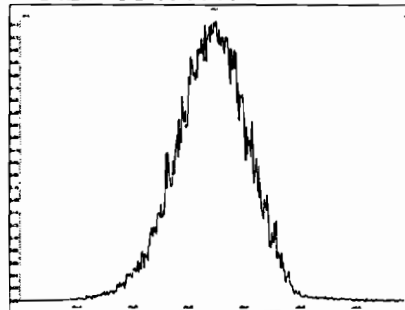
M 318.9792 R 11470



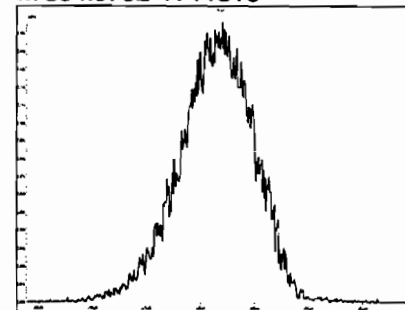
M 330.9792 R 11313



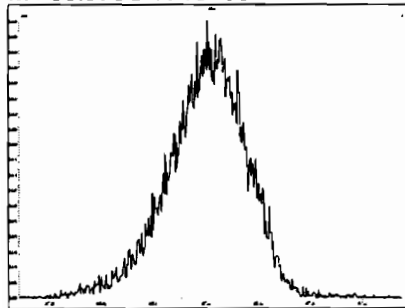
M 342.9792 R 11414



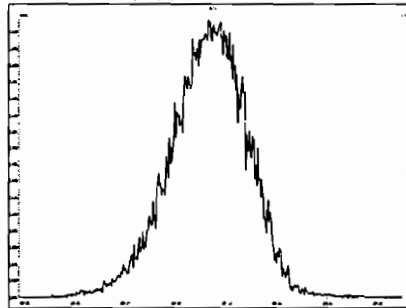
M 354.9792 R 11310



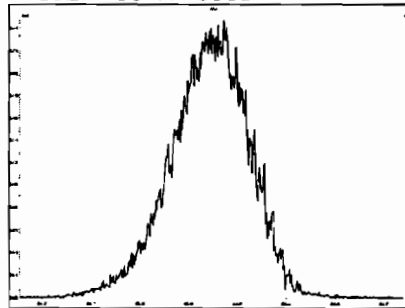
M 366.9792 R 10730



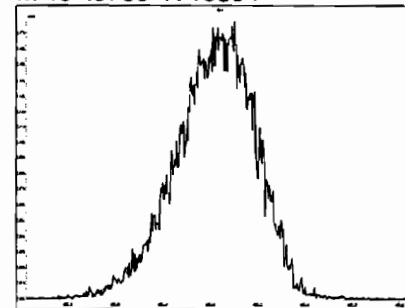
M 380.9760 R 10822



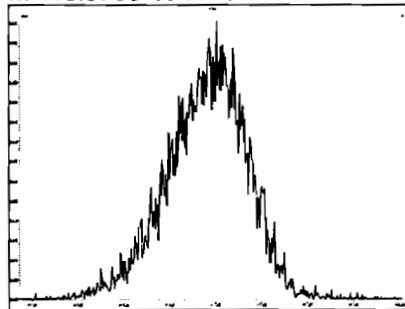
M 392.9760 R 10963



M 404.9760 R 10594

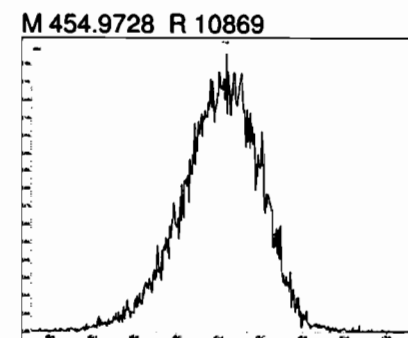
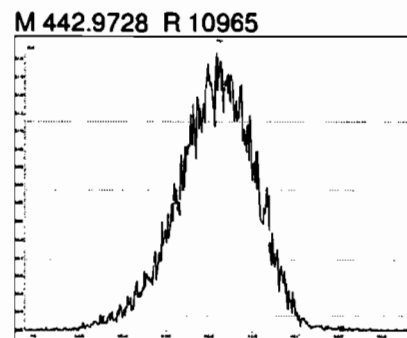
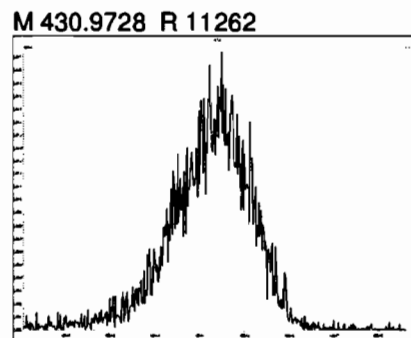
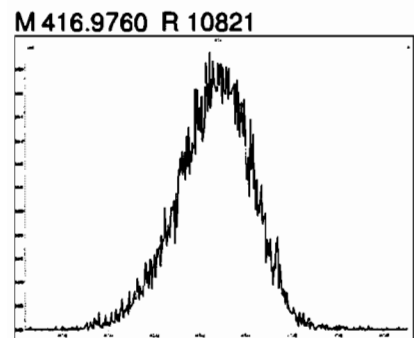
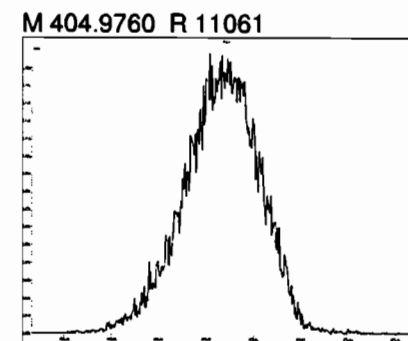
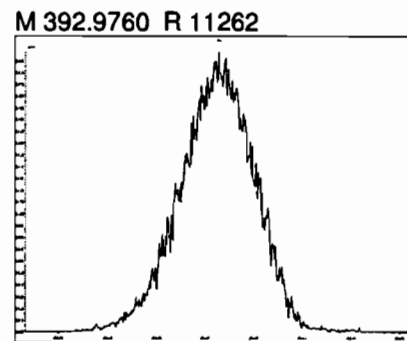
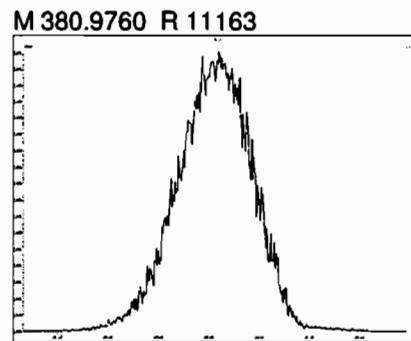
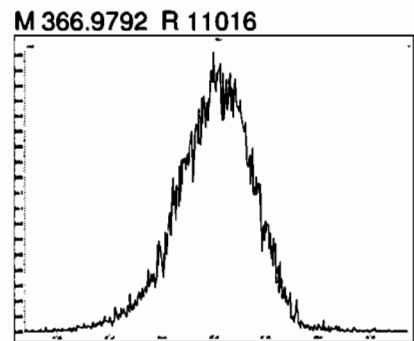


M 416.9760 R 11161



File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Tuesday, January 28, 2020 12:03:52 Pacific Standard Time



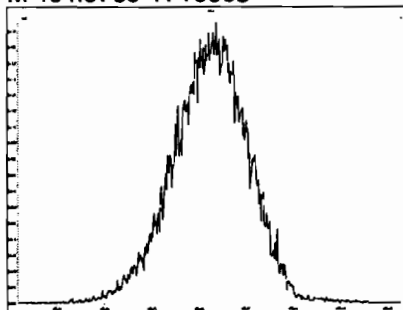
Experiment Calibration Report

MassLynx 4.1 SCN815

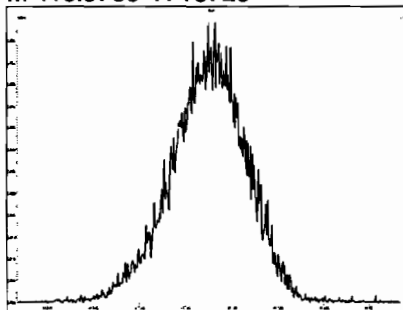
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Tuesday, January 28, 2020 12:05:13 Pacific Standard Time

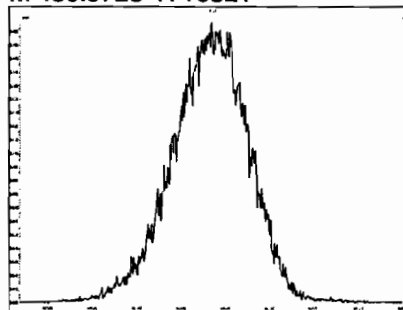
M 404.9760 R 10965



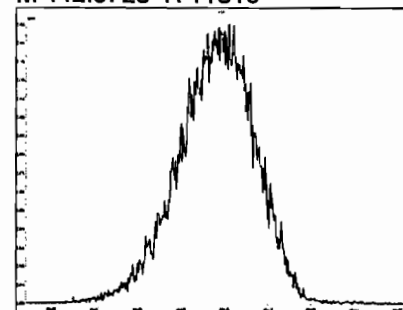
M 416.9760 R 10729



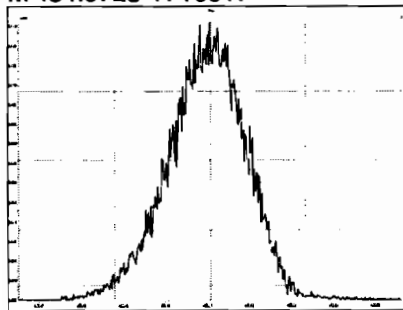
M 430.9728 R 10821



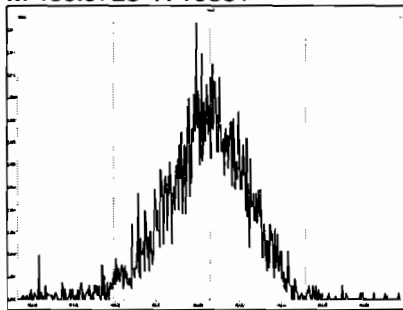
M 442.9728 R 11310



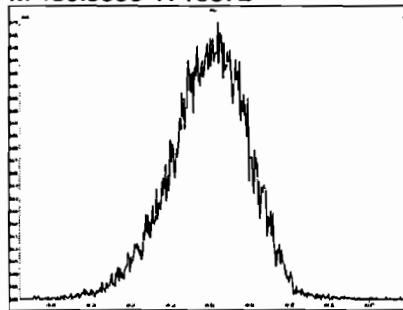
M 454.9728 R 10917



M 466.9728 R 10551



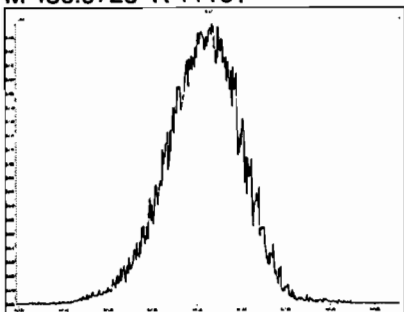
M 480.9696 R 10372



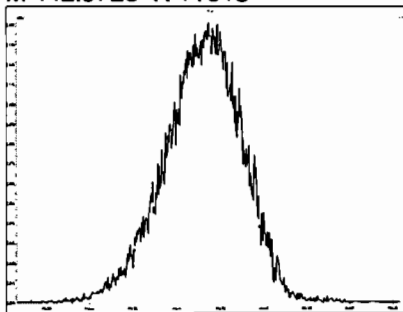
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Tuesday, January 28, 2020 12:06:32 Pacific Standard Time

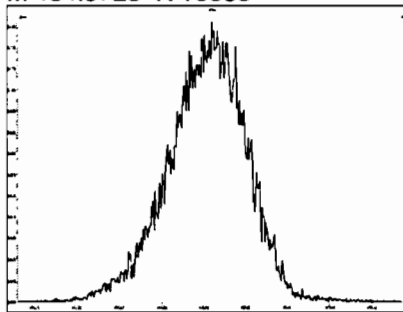
M 430.9728 R 11161



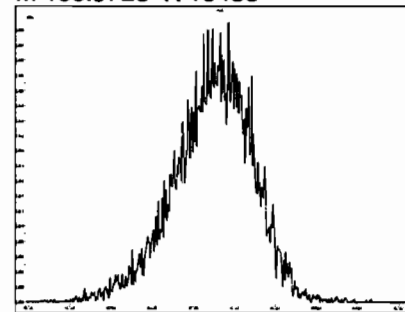
M 442.9728 R 11013



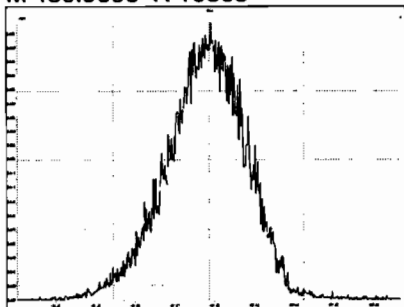
M 454.9728 R 10868



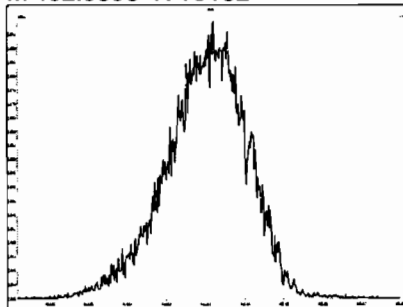
M 466.9728 R 10458



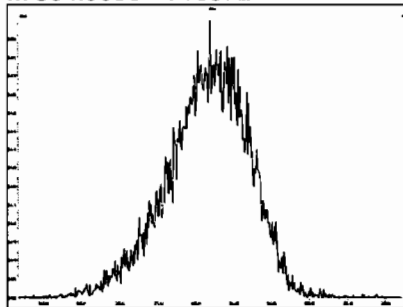
M 480.9696 R 10505



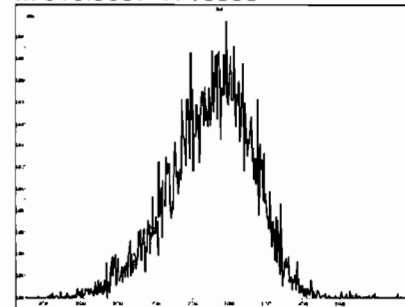
M 492.9696 R 10162



M 504.9696 R 10372



M 516.9697 R 10505



Dataset: Untitled

Last Altered: Wednesday, January 29, 2020 07:48:32 Pacific Standard Time

Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

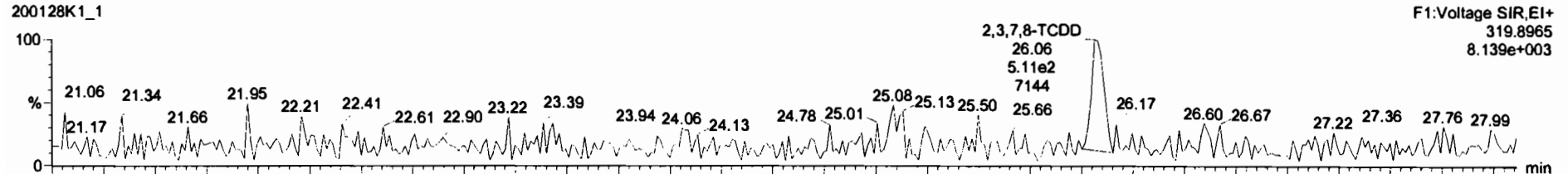
Method: U:\VG11.PRO\MethDB\1613_rrt-1-28-20.mdb 29 Jan 2020 06:50:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

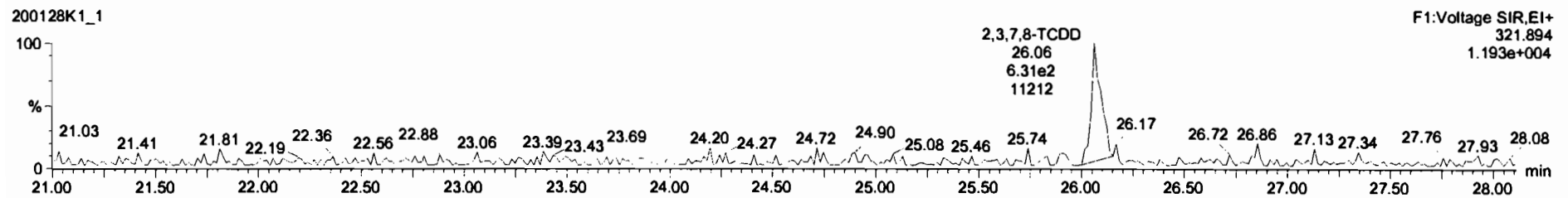
Name: 200128K1_1, Date: 28-Jan-2020, Time: 12:07:01, ID: ST200128K1_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

2,3,7,8-TCDD

200128K1_1

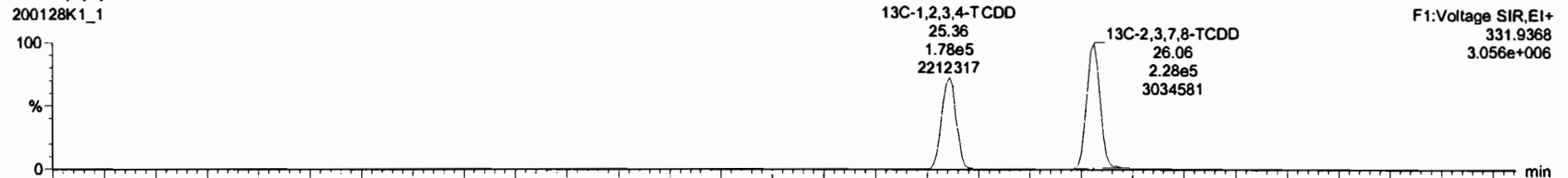


200128K1_1

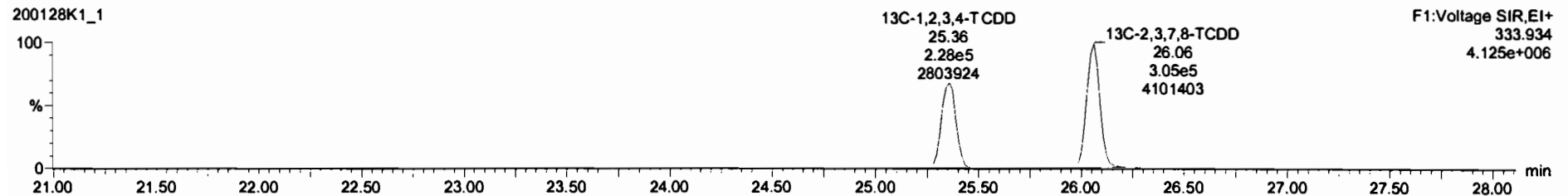


13C-2,3,7,8-TCDD

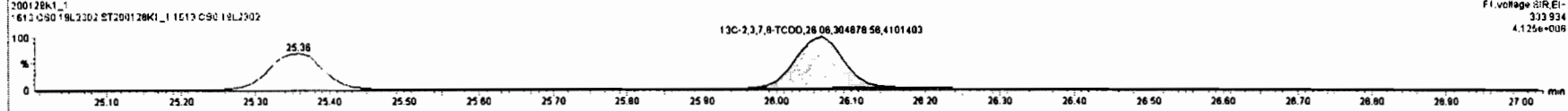
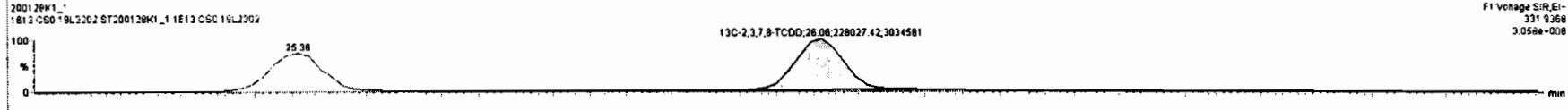
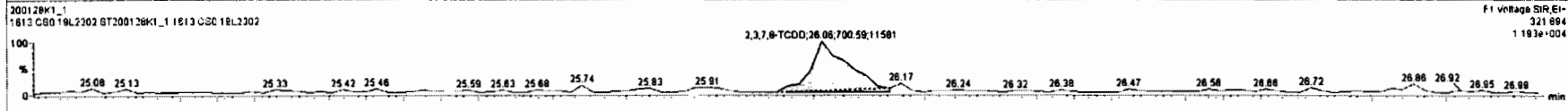
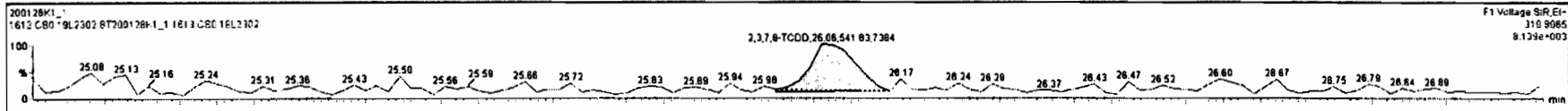
200128K1_1



200128K1_1



Name	Resp	RA	ref	RFV	value	RT	RRT	Conc.	%Rec	DL	StdPC
1 2,3,7,8-TCDD	1.25e3	0.77	NO	0.9439	1.000	26.08	1.000	0.247	99.8	0.0994	0.247
2 1,2,3,7,8-PeCDD	3.31e3	0.81	NO	0.8974	1.000	31.25	1.001	1.15	91.7	0.0660	1.15
3 1,2,3,4,7,8-HxCDD	2.91e3	1.38	NO	1.1680	1.000	34.59	1.001	1.20	95.9	0.0714	1.20
4 1,2,3,6,7,8-HxCDD	2.87e3	1.34	NO	1.0068	1.000	34.69	1.000	1.12	88.5	0.0729	1.12
5 1,2,3,7,8-HxCDD	2.57e3	1.32	NO	0.9870	1.000	34.94	1.000	1.12	88.5	0.0626	1.12
6 1,2,3,4,6,7,8-HpCDD	1.89e3	1.02	NO	1.0622	1.000	36.44	1.001	1.15	92.1	0.121	1.15
7 OCDD	2.90e3	0.92	NO	1.0440	1.000	41.84	1.000	2.36	95.1	0.210	2.36
8 2,3,7,8-TCDF	1.58e3	0.88	NO	0.9700	1.000	25.08	1.001	0.209	83.5	0.0380	0.209
9 1,2,3,7,8-PeCDF	5.92e3	1.54	NO	0.8580	1.000	29.92	1.000	1.16	92.9	0.0436	1.16
10 2,3,4,7,8-PeCDF	5.73e3	1.48	NO	1.0074	1.000	30.93	1.001	1.16	93.1	0.0427	1.16
11 1,2,3,4,7,8-HxCDF	4.76e3	1.17	NO	1.1632	1.000	33.74	1.001	1.20	95.9	0.0522	1.20
12 1,2,3,6,7,8-HxCDF	4.97e3	1.24	NO	1.1421	1.000	33.85	1.000	1.12	89.8	0.0502	1.12
13 2,3,4,6,7,8-HxCDF	4.77e3	1.30	NO	1.2131	1.000	34.42	1.000	1.13	90.2	0.0514	1.13
14 1,2,3,7,8-HxCDF	3.74e3	1.23	NO	1.1349	1.000	35.29	1.000	1.20	95.8	0.0736	1.20
15 1,2,3,4,6,7,8-HpCDF	3.46e3	1.02	NO	1.1891	1.000	37.02	1.000	1.18	94.3	0.0827	1.18
16 1,2,3,4,7,8-HpCDF	2.81e3	1.18	NO	1.3886	1.000	38.05	1.000	1.21	97.1	0.0845	1.21
17 OCDF	3.77e3	0.86	NO	1.0614	1.000	41.86	1.000	2.37	94.8	0.150	2.37
18 13C-2,3,7,8-TCDD	5.39e5	0.75	NO	1.1733	1.000	26.08	1.028	1.12	11.2	0.310	
19 13C-1,2,3,7,8-PeCDD	3.22e5	0.82	NO	0.7731	1.000	31.23	1.232	1.03	10.0	0.358	



Dataset: Untitled

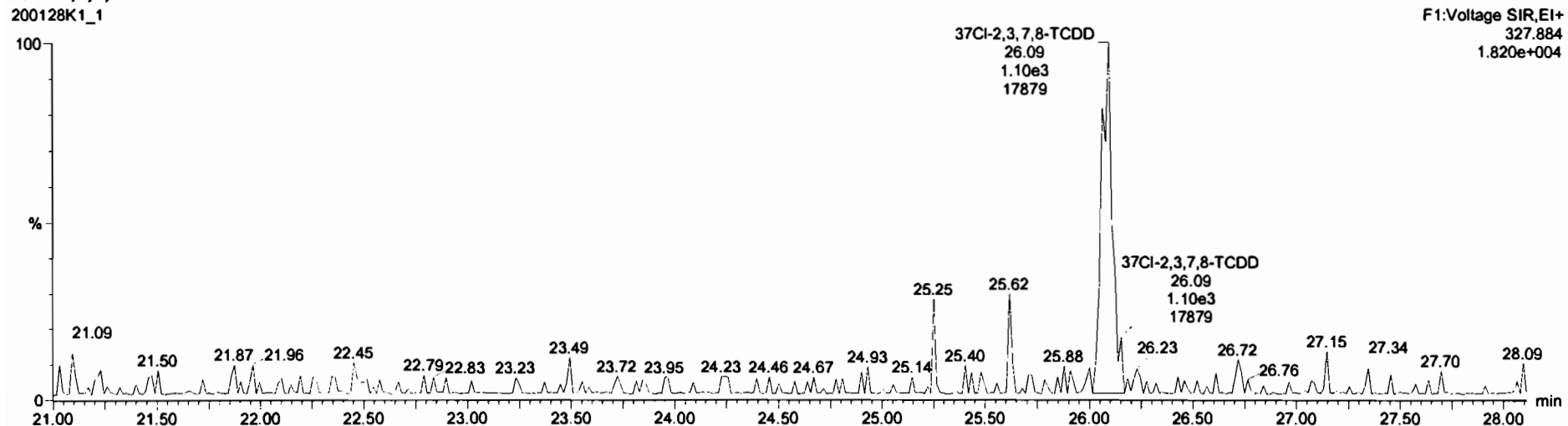
Last Altered: Wednesday, January 29, 2020 07:48:32 Pacific Standard Time

Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

Name: 200128K1_1, Date: 28-Jan-2020, Time: 12:07:01, ID: ST200128K1_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

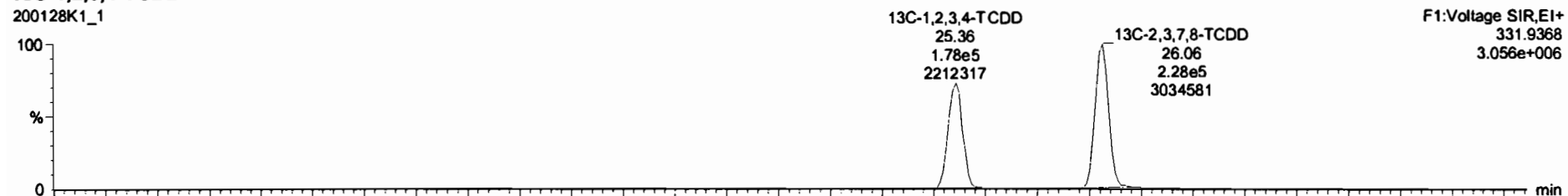
37Cl-2,3,7,8-TCDD

200128K1_1

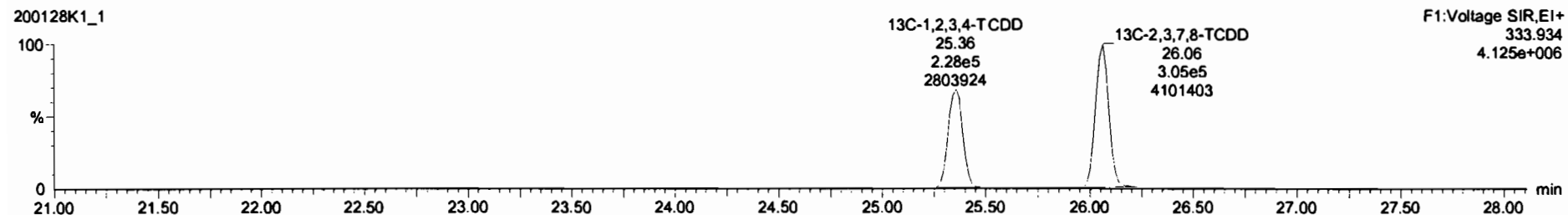


13C-1,2,3,4-TCDD

200128K1_1



200128K1_1



Dataset: Untitled

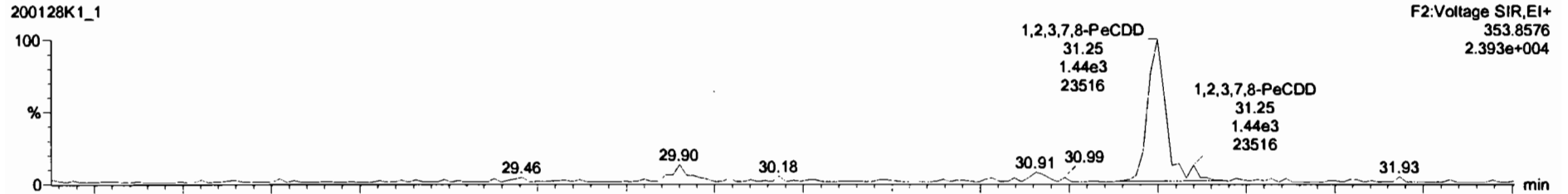
Last Altered: Wednesday, January 29, 2020 07:48:32 Pacific Standard Time

Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

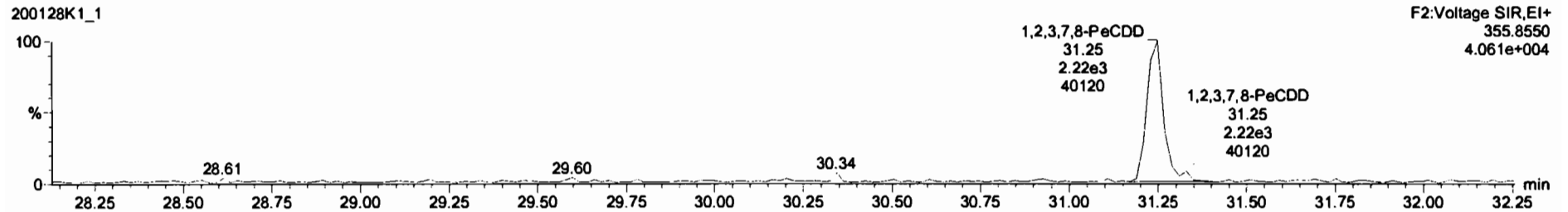
Name: 200128K1_1, Date: 28-Jan-2020, Time: 12:07:01, ID: ST200128K1_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

1,2,3,7,8-PeCDD

200128K1_1

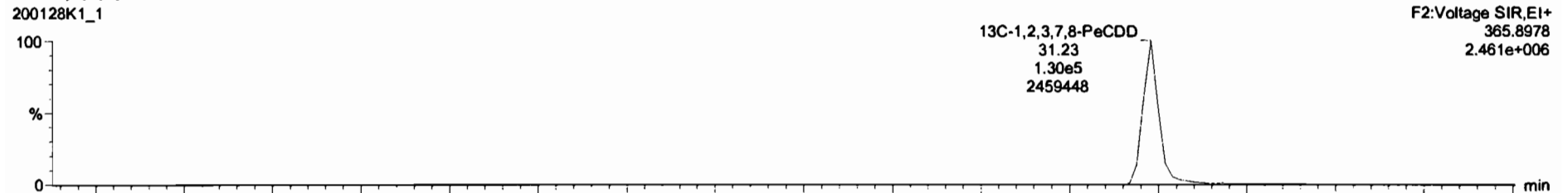


200128K1_1

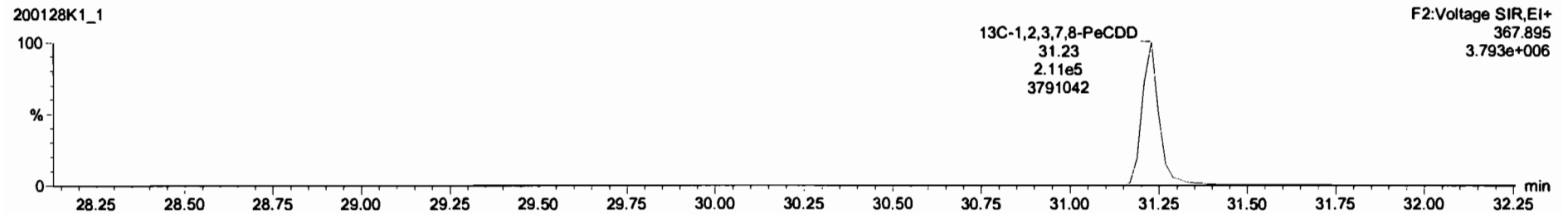


13C-1,2,3,7,8-PeCDD

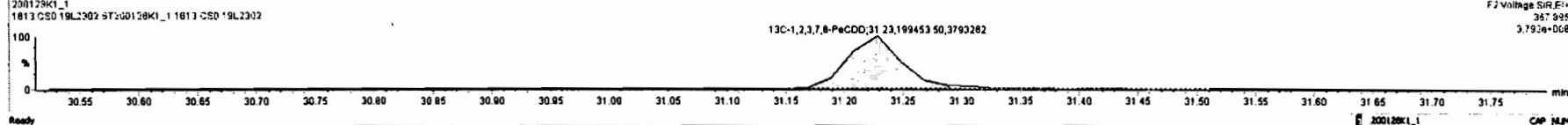
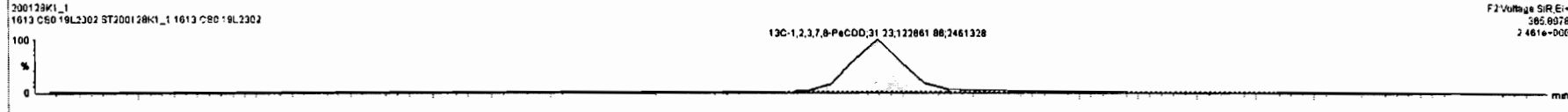
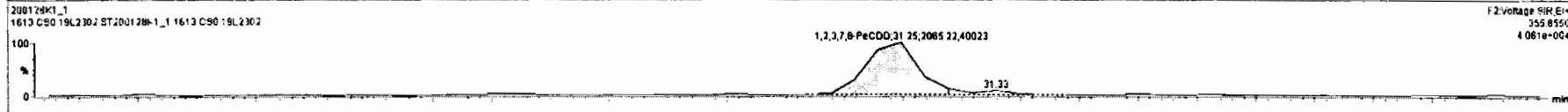
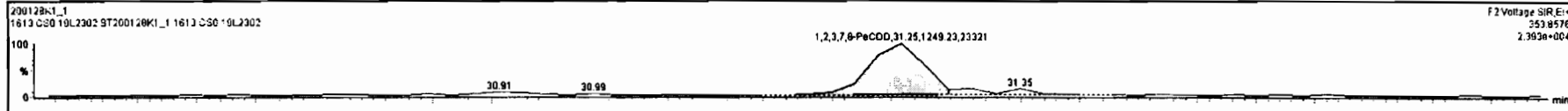
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200128K1_1



PKT	Name	Resp	RA	NY	RF	WtAnd	RT	RRT	Comp	%Area	DL	EMPC
1	2,3,7,8-TCDD	1.24e3	0.77	NO	0.9431	1.000	26.06	1.000	0.247	98.9	0.0894	0.247
2	1,2,3,7,8-PeCDD	3.31e3	0.81	NO	0.8974	1.000	31.25	1.001	1.18	91.7	0.0680	1.18
3	1,2,3,4,7,8-HxCDD	2.91e3	1.36	NO	1.1690	1.000	34.58	1.001	1.20	95.8	0.0714	1.20
4	1,2,3,6,7,8-HxCDD	2.87e3	1.34	NO	1.0268	1.000	34.88	1.000	1.13	88.5	0.0728	1.12
5	1,2,3,7,8,9-HxCDD	2.57e3	1.32	NO	0.9820	1.000	34.94	1.000	1.12	89.5	0.0628	1.12
6	1,2,3,4,6,7,8-HpCDD	1.86e3	1.03	NO	1.0832	1.000	38.44	1.001	1.15	93.1	0.121	1.15
7	OCDF	2.98e3	0.93	NO	1.0440	1.000	41.84	1.000	2.28	95.1	0.210	2.28
8	2,3,7,8-TCDF	1.56e3	0.86	NO	0.9700	1.000	25.08	1.001	0.209	83.5	0.0389	0.209
9	1,2,3,7,8-PeCDF	5.82e3	1.54	NO	0.9590	1.000	29.92	1.000	1.18	92.9	0.0438	1.18
10	2,3,4,7,8-PeCDF	5.73e3	1.49	NO	1.0074	1.000	30.83	1.001	1.18	93.1	0.0427	1.18
11	1,2,3,4,7,8-HxCDF	4.76e3	1.17	NO	1.1632	1.000	33.74	1.001	1.20	95.9	0.0522	1.20
12	1,2,3,6,7,8-HxCDF	4.97e3	1.24	NO	1.1431	1.000	33.95	1.000	1.12	89.8	0.0502	1.12
13	2,3,4,6,7,8-HxCDF	4.77e3	1.30	NO	1.2131	1.000	34.42	1.000	1.13	90.2	0.0514	1.13
14	1,2,3,7,8,9-HxCDF	3.74e3	1.23	NO	1.1349	1.000	35.26	1.000	1.20	95.8	0.0735	1.20
15	1,2,3,4,6,7,8-HpCDF	3.48e3	1.02	NO	1.1891	1.000	37.02	1.000	1.18	94.3	0.0627	1.18
16	1,2,3,4,7,8,9-HpCDF	2.81e3	1.18	NO	1.2896	1.000	38.05	1.000	1.21	97.1	0.0845	1.21
17	OCDF	3.77e3	0.88	NO	1.0614	1.000	41.86	1.000	2.37	94.8	0.150	2.37
18	13C-2,3,7,8-TCDD	5.33e5	0.75	NO	1.1733	1.000	26.06	1.028	112	112	0.310	
19	13C-1,2,3,7,8-PeCDD	3.22e5	0.82	NO	0.7731	1.000	31.23	1.232	103	103	0.358	



Dataset: Untitled

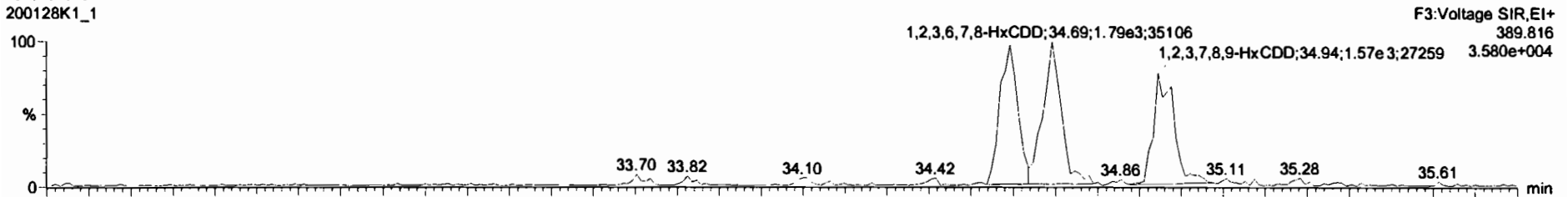
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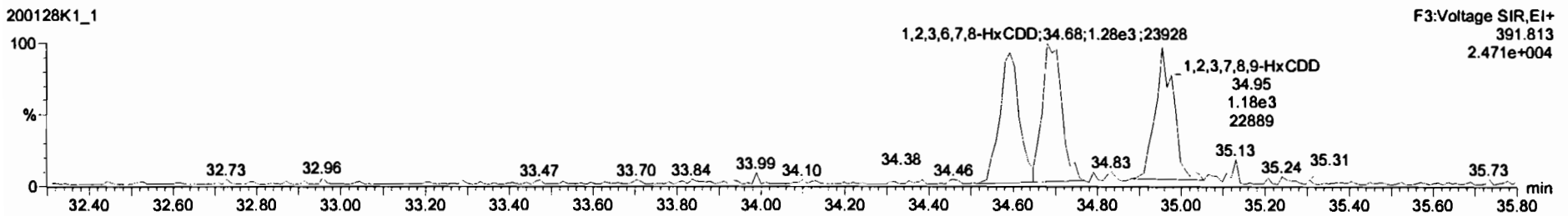
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200128K1_1

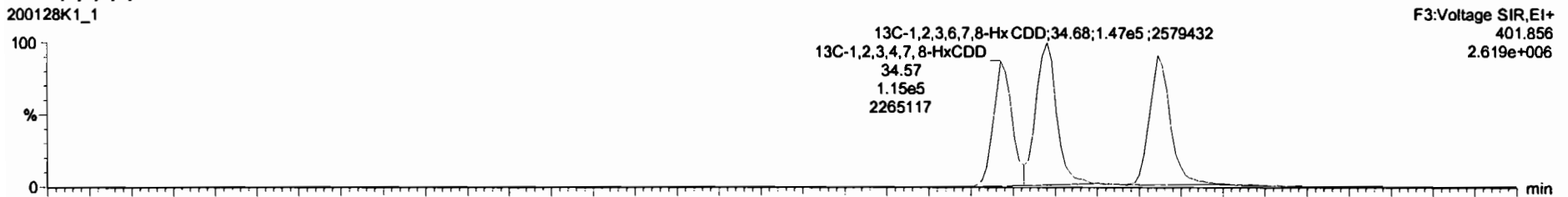


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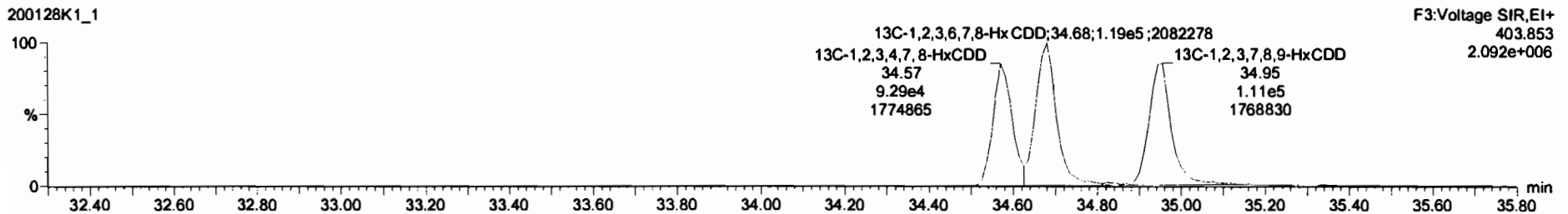


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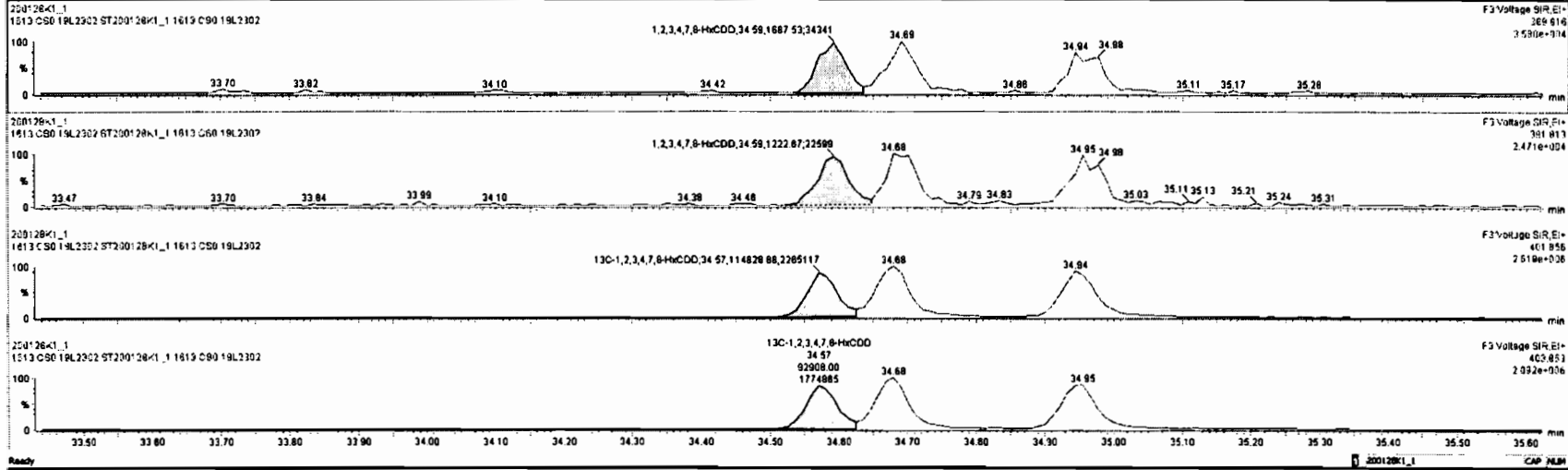
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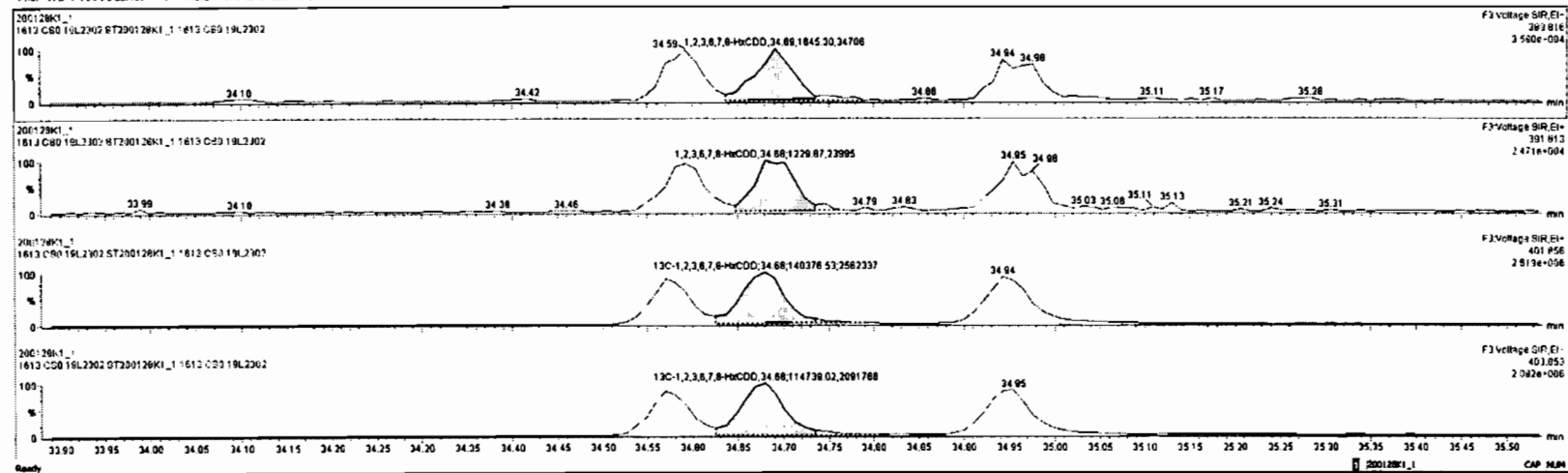
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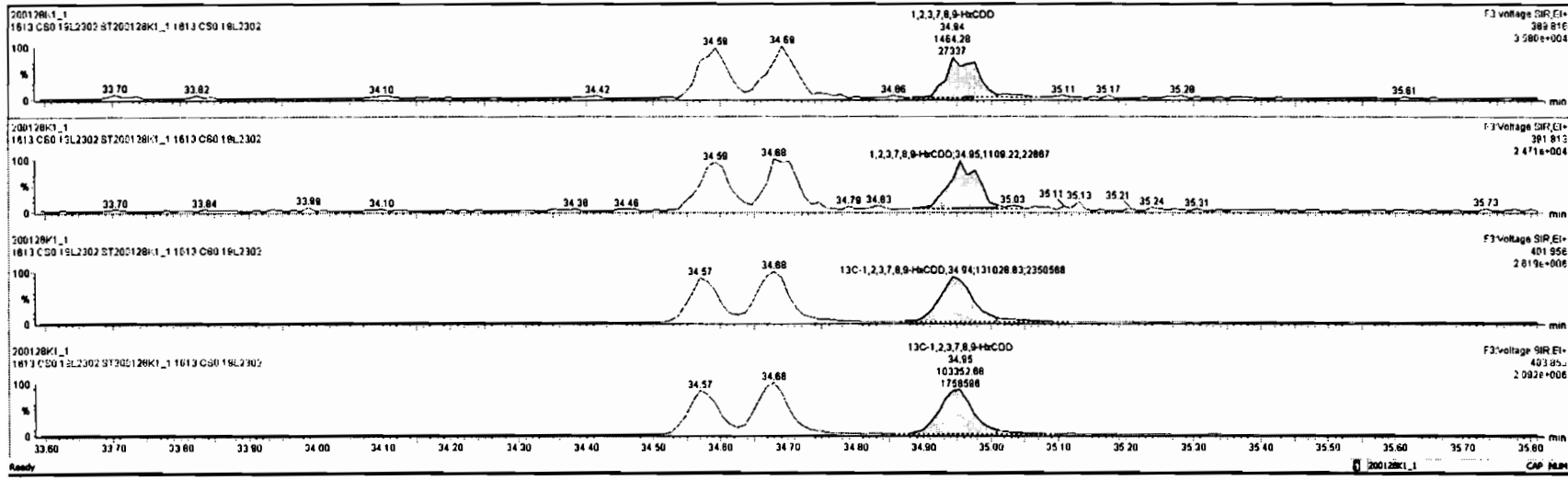
Name	Resp	RA	ry	RF	width	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.24e3	0.77	NO	0.9431	1.000	34.08	1.000	0.247	98.9	0.0984	0.247
2 1,2,3,7,8-PeCDD	3.31e3	0.81	NO	0.8974	1.000	31.25	1.001	1.15	91.7	0.0989	1.15
3 1,2,3,4,7,8-HxCDD	2.81e3	1.38	NO	1.1880	1.000	34.58	1.001	1.20	96.8	0.0714	1.20
4 1,2,3,6,7,8-HxCDD	2.87e3	1.34	NO	1.0098	1.000	34.89	1.000	1.12	86.5	0.0720	1.12
5 1,2,3,7,8,9-HxCDD	2.57e3	1.32	NO	0.9820	1.000	34.94	1.000	1.12	89.5	0.0828	1.12
6 1,2,3,4,6,7,8-HpCDD	1.88e3	1.02	NO	1.0822	1.000	38.44	1.001	1.15	92.1	0.121	1.15
7 OCDD	2.90e3	0.92	NO	1.0440	1.000	41.84	1.000	2.38	95.1	0.210	2.38
8 2,3,7,8-TCDF	1.58e3	0.88	NO	0.9700	1.000	25.08	1.001	0.208	83.5	0.0388	0.208
9 1,2,3,7,8-PeCDF	5.92e3	1.54	NO	0.9580	1.000	28.92	1.000	1.16	82.9	0.0438	1.16
10 2,3,4,7,8-PeCDF	5.72e3	1.48	NO	1.0074	1.000	30.83	1.001	1.16	83.1	0.0427	1.16
11 1,2,3,4,7,8-HxCDF	4.78e3	1.17	NO	1.1832	1.000	33.74	1.001	1.20	95.9	0.0522	1.20
12 1,2,3,6,7,8-HxCDF	4.87e3	1.24	NO	1.1431	1.000	33.65	1.000	1.12	88.8	0.0502	1.12
13 2,3,4,6,7,8-HxCDF	4.77e3	1.30	NO	1.2131	1.000	34.42	1.000	1.12	80.2	0.0514	1.12
14 1,2,3,7,8,9-HxCDF	3.74e3	1.23	NO	1.1348	1.000	35.28	1.000	1.20	95.8	0.0736	1.20
15 1,2,3,4,6,7,8-HpCDF	3.48e3	1.02	NO	1.1881	1.000	37.02	1.000	1.16	94.3	0.0827	1.16
16 1,2,3,4,7,8,9-HpCDF	2.81e3	1.18	NO	1.3888	1.000	38.05	1.000	1.21	87.1	0.0845	1.21
17 OCDF	3.73e3	0.88	NO	1.0814	1.000	41.88	1.000	2.37	94.8	0.150	2.37
18 1,2,3,6,7,8-HxCDF	5.52e3	0.75	NO	1.1723	1.000	36.08	1.000	1.12	112	0.210	
19 1,2,3,7,8,9-HxCDF	3.22e3	0.82	NO	0.7731	1.000	31.23	1.232	1.03	103	0.358	



#	Name	Area	RA	RF	RF	intval	RT	RT	Comp	Surf	DL	DFPC
1	1,2,3,7,8-TCDD	1.24e3	0.77	NO	0.9431	1.000	26.08	1.000	0.247	98.9	0.0084	0.247
2	1,2,3,7,8-PeCDD	3.31e3	0.81	NO	0.8874	1.000	31.25	1.001	1.15	91.7	0.0089	1.15
3	1,2,3,4,7,8-HxCDD	2.91e3	1.38	NO	1.1680	1.000	34.56	1.001	1.20	85.9	0.0714	1.20
4	1,2,3,6,7,8-HxCDD	2.87e3	1.34	NO	1.0088	1.000	34.88	1.000	1.12	88.5	0.0728	1.12
5	1,2,3,7,8-HxCDD	2.57e3	1.32	NO	0.8820	1.000	34.94	1.000	1.12	88.5	0.0828	1.12
6	1,2,3,4,6,7,8-HpCDD	1.88e3	1.02	NO	1.0822	1.000	38.44	1.001	1.15	92.1	0.121	1.15
7	OCDD	2.90e3	0.82	NO	1.0440	1.000	41.84	1.000	2.38	95.1	0.210	2.38
8	2,3,7,8-TCDF	1.56e3	0.88	NO	0.8700	1.000	25.08	1.001	0.208	83.5	0.0288	0.208
9	1,2,3,7,8-PeCDF	5.92e3	1.34	NO	0.9590	1.000	29.82	1.000	1.18	92.9	0.0428	1.18
10	2,3,4,7,8-PeCDF	5.73e3	1.48	NO	1.0074	1.000	30.82	1.001	1.18	92.1	0.0437	1.18
11	1,2,3,4,7,8-HxCDF	4.76e3	1.17	NO	1.1832	1.000	33.74	1.001	1.30	95.8	0.0522	1.30
12	1,2,3,6,7,8-HxCDF	4.87e3	1.34	NO	1.1431	1.000	33.85	1.000	1.12	88.8	0.0922	1.12
13	2,3,4,6,7,8-HxCDF	4.77e3	1.30	NO	1.2131	1.000	34.42	1.000	1.15	90.2	0.0914	1.15
14	1,2,3,7,8-HxCDF	3.74e3	1.23	NO	1.1349	1.000	35.28	1.000	1.20	85.8	0.0728	1.20
15	1,2,3,4,6,7,8-HpCDF	3.46e3	1.02	NO	1.1891	1.000	37.02	1.000	1.18	94.3	0.0827	1.18
16	1,2,3,4,7,8,9-HxCDF	2.81e3	1.18	NO	1.2888	1.000	38.05	1.000	1.21	97.1	0.0845	1.21
17	OCDF	3.77e3	0.88	NO	1.0814	1.000	41.88	1.000	2.37	94.8	0.150	2.37
18	13C-1,2,3,7,8-TCDD	5.32e5	0.75	NO	1.1723	1.000	28.06	1.000	1.12	112	0.210	
19	13C-1,2,3,7,8-PeCDD	3.22e5	0.82	NO	0.7731	1.000	31.23	1.000	1.02	103	0.208	



SI	Name	Resp	RA	rvj	RPF	retVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.24e3	0.77	NO	0.9431	1.000	26.06	1.000	0.247	98.9	0.0984	0.247
2	1,2,3,7,8-PeCDD	3.31e3	0.61	NO	0.6874	1.000	31.25	1.001	1.15	91.7	0.0680	1.15
3	1,2,3,4,7,8-HxCDD	2.91e3	1.28	NO	1.1680	1.000	34.58	1.001	1.20	95.9	0.0714	1.20
4	1,2,3,6,7,8-HxCDD	2.87e3	1.34	NO	1.0098	1.000	34.89	1.000	1.12	89.5	0.0720	1.12
5	1,2,3,7,8,9-HxCDD	2.67e3	1.52	NO	0.6820	1.000	34.94	1.000	1.62	89.5	0.0690	1.52
6	1,2,3,4,6,7,8-HpCDD	1.88e3	1.02	NO	1.0822	1.000	38.44	1.001	1.15	92.1	0.121	1.15
7	OCDD	2.80e3	0.92	NO	1.0440	1.000	41.64	1.000	2.38	95.1	0.210	2.38
8	2,3,7,8-TCDF	1.58e3	0.88	NO	0.9700	1.000	25.08	1.001	0.209	83.5	0.0388	0.209
9	1,2,3,7,8-PeCDF	5.92e3	1.54	NO	0.9580	1.000	28.92	1.000	1.16	92.9	0.0438	1.16
10	2,3,4,7,8-PeCDF	5.73e3	1.49	NO	1.0074	1.000	30.93	1.001	1.16	93.1	0.0477	1.16
11	1,2,3,4,7,8-HxCDF	4.78e3	1.17	NO	1.1832	1.000	33.74	1.001	1.20	95.9	0.0522	1.20
12	1,2,3,6,7,8-HxCDF	4.87e3	1.24	NO	1.1431	1.000	33.85	1.000	1.12	89.8	0.0502	1.12
13	2,3,4,6,7,8-HxCDF	4.77e3	1.30	NO	1.2131	1.000	34.42	1.000	1.13	80.2	0.0514	1.13
14	1,2,3,7,8,9-HxCDF	3.74e3	1.23	NO	1.1348	1.000	35.28	1.000	1.20	85.9	0.0738	1.20
15	1,2,3,4,6,7,8-HpCDF	3.48e3	1.02	NO	1.1881	1.000	37.02	1.000	1.18	84.3	0.0827	1.18
16	1,2,3,4,7,8,9-HpCDF	2.61e3	1.18	NO	1.3898	1.000	38.05	1.000	1.21	97.1	0.0845	1.21
17	OCDF	3.77e3	0.88	NO	1.0614	1.000	41.86	1.000	2.37	94.9	0.150	2.37
18	13C-2,3,7,8-TCDD	5.53e5	0.75	NO	1.1733	1.000	38.08	1.028	1.12	112	0.310	
19	13C-1,2,3,7,8-PeCDD	3.22e5	0.82	NO	0.7731	1.000	31.23	1.232	103	103	0.358	



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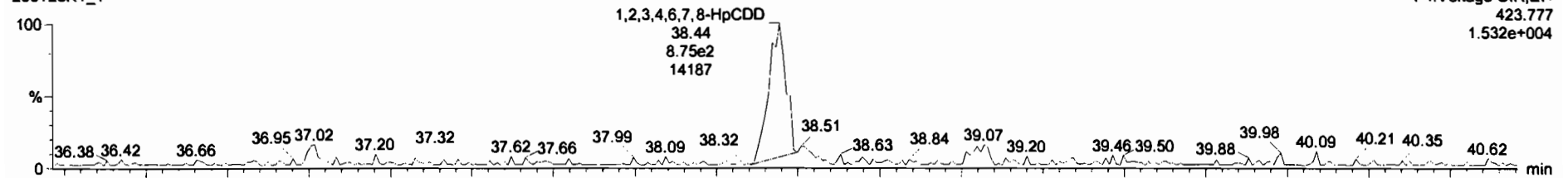
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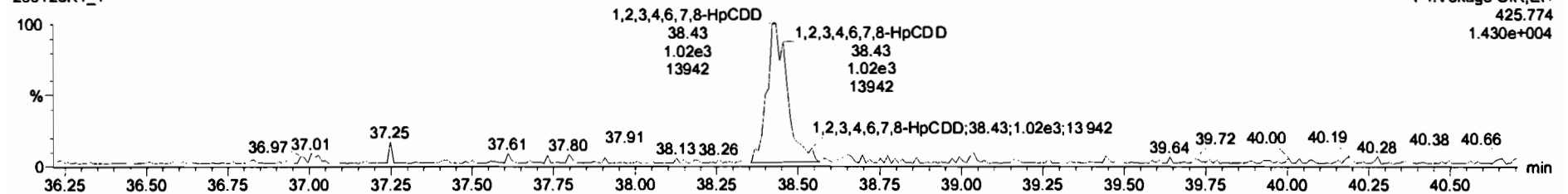
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200128K1_1

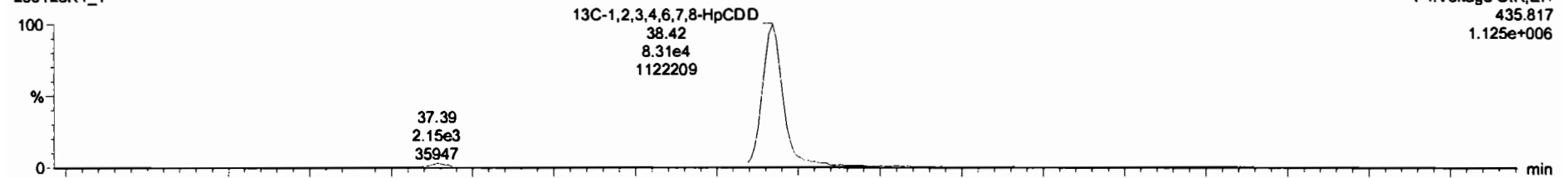


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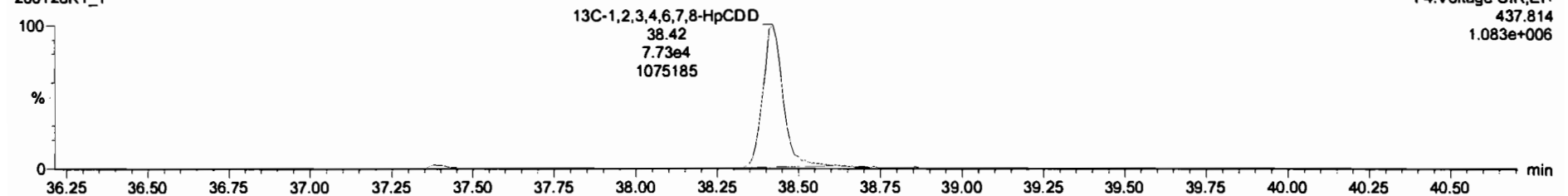


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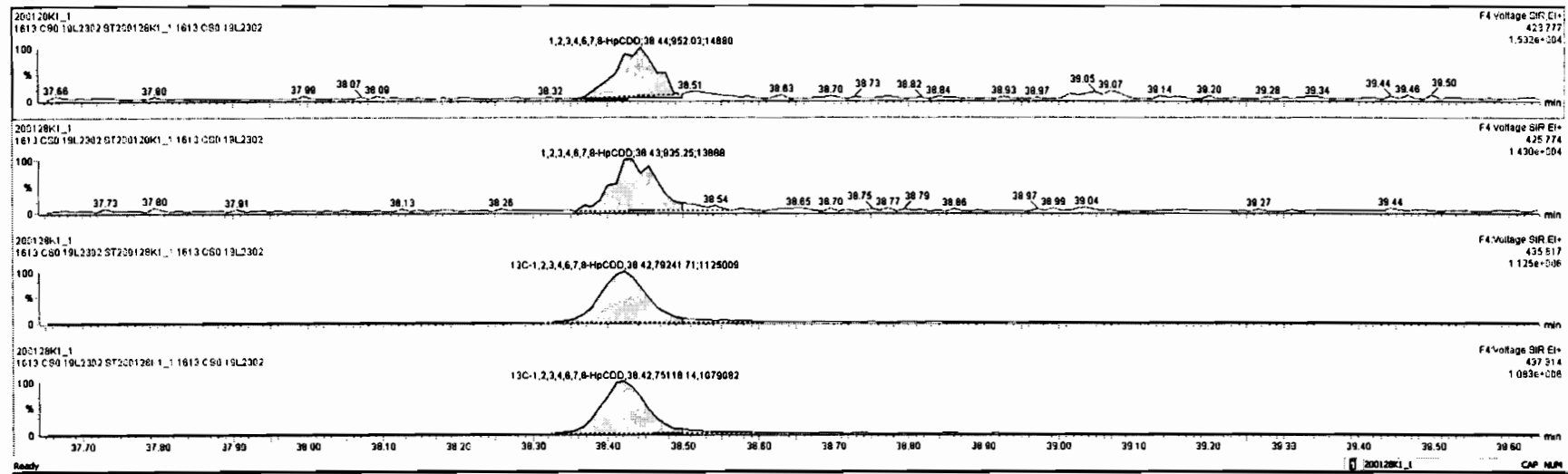
200128K1_1



200128K1_1



#	Name	Resp	RA	inj	RF	Weight	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDF	1.24e3	0.77	NO	0.9431	1.000	26.06	1.000	0.247	99.8	0.0864	0.247
2	1,2,3,7,8-PeCDD	3.31e3	0.61	NO	0.8874	1.000	31.25	1.000	1.15	81.7	0.0689	1.15
3	1,2,3,4,7,8-HxCDD	2.91e3	1.38	NO	1.1880	1.000	34.59	1.000	1.20	95.8	0.0714	1.20
4	1,2,3,6,7,8-HxCDD	2.87e3	1.34	NO	1.0068	1.000	34.69	1.000	1.12	89.5	0.0729	1.12
5	1,2,3,7,8,9-HxCDD	2.57e3	1.32	NO	0.9820	1.000	34.94	1.000	1.12	89.5	0.0628	1.12
6	1,2,3,4,6,7,8-HpCDD	1.88e3	1.82	NO	1.0822	1.000	38.44	1.000	1.36	82.1	0.121	1.18
7	OCDF	2.90e3	0.92	NO	1.0440	1.000	41.64	1.000	2.36	95.1	0.210	2.36
8	2,3,7,8-TCDF	1.58e3	0.88	NO	0.8700	1.000	25.08	1.000	0.208	83.5	0.0389	0.208
9	1,2,3,7,8-PeCDF	5.92e3	1.54	NO	0.9580	1.000	29.92	1.000	1.18	92.9	0.0436	1.18
10	2,3,4,7,8-PeCDF	5.73e3	1.49	NO	1.0074	1.000	30.83	1.000	1.16	93.1	0.0427	1.16
11	1,2,3,4,7,8-HxCDF	4.78e3	1.17	NO	1.1832	1.000	33.74	1.000	1.20	95.9	0.0522	1.20
12	1,2,3,6,7,8-HxCDF	4.97e3	1.24	NO	1.1431	1.000	33.85	1.000	1.12	88.6	0.0507	1.12
13	2,3,4,6,7,8-HxCDF	4.77e3	1.30	NO	1.2131	1.000	34.42	1.000	1.12	90.2	0.0514	1.12
14	1,2,3,7,8,9-HxCDF	3.74e3	1.23	NO	1.1349	1.000	35.29	1.000	1.20	95.8	0.0738	1.20
15	1,2,3,4,6,7,8-HpCDF	3.46e3	1.62	NO	1.1881	1.000	37.02	1.000	1.18	94.3	0.0627	1.18
16	1,2,3,4,7,8,9-HpCDF	2.81e3	1.18	NO	1.3886	1.000	38.05	1.000	1.21	97.1	0.0845	1.21
17	OCDF	3.77e3	0.88	NO	1.0814	1.000	41.86	1.000	2.37	94.8	0.150	2.37
18	1,3C-2,3,7,8-TCDF	5.32e5	0.75	NO	1.1733	1.000	28.08	1.028	112	112	0.310	
19	1,3C-1,2,3,7,8-PeCDD	7.23e5	0.62	NO	0.7731	1.000	31.23	1.232	103	103	0.358	



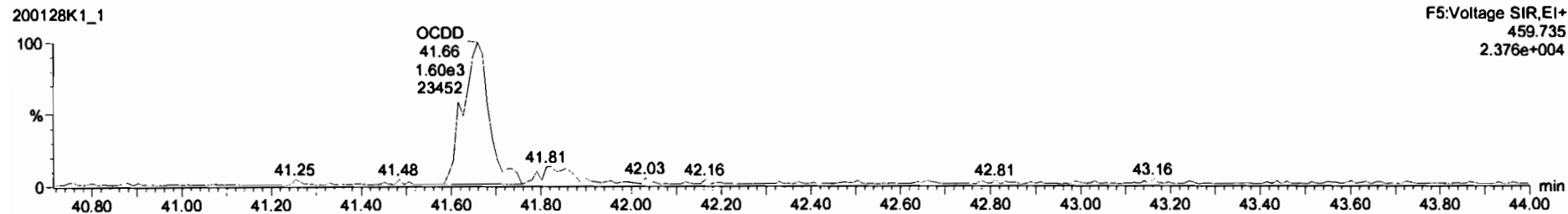
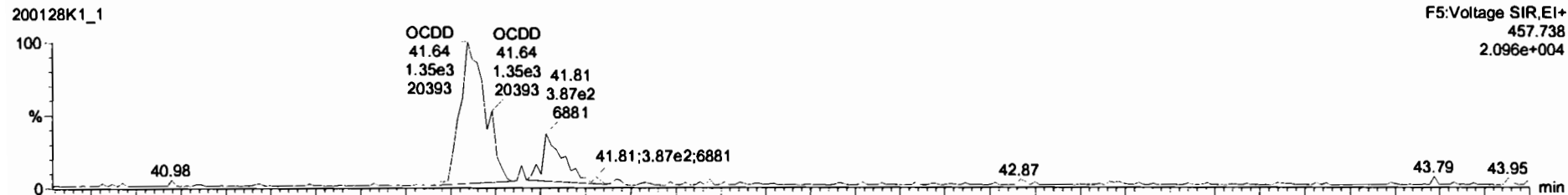
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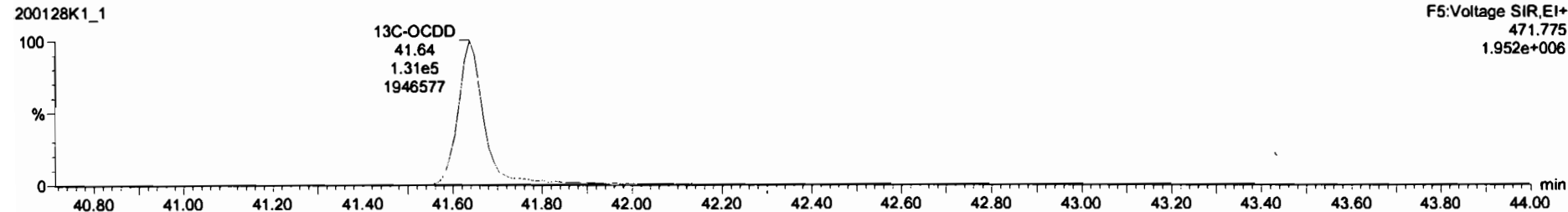
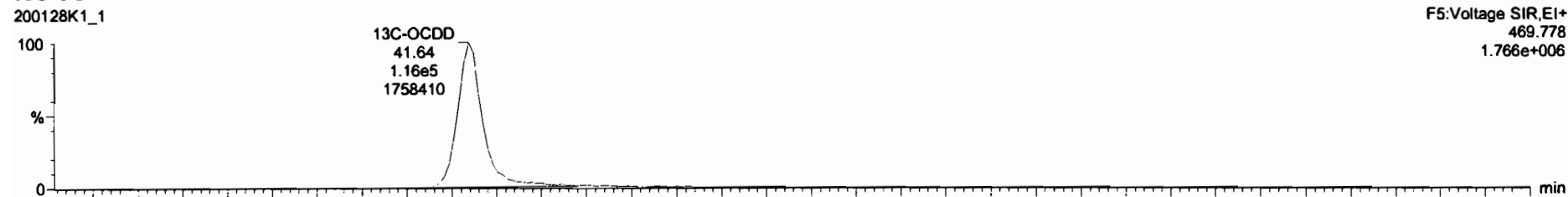
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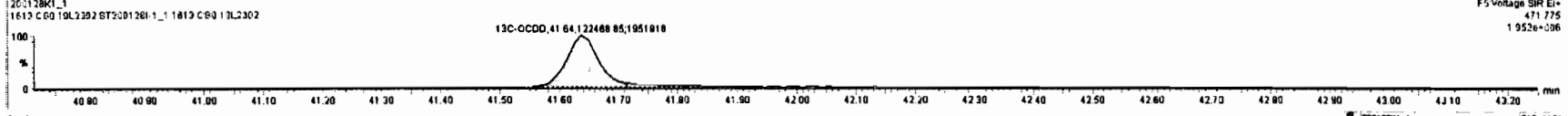
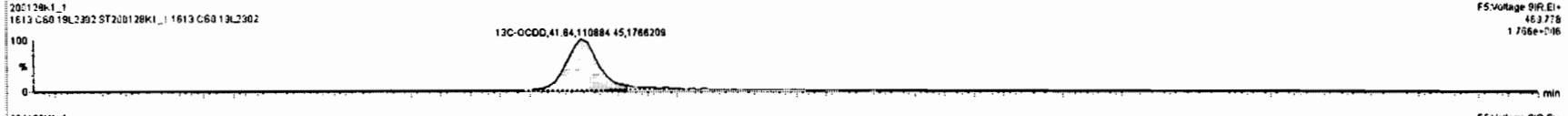
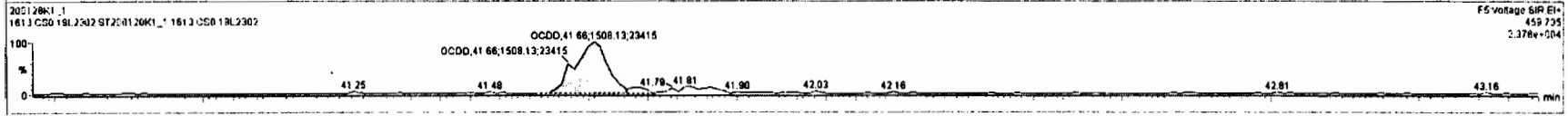
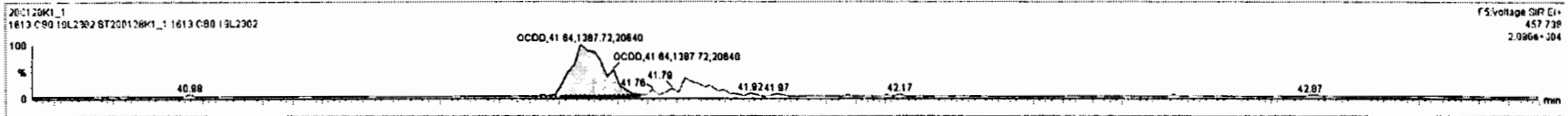
OCDD



13C-OCDD



#	Name	Resp	RA	obj	REF	width	RT	WRT	Comp	Area	SA	Area%
1	2,3,7,8-TCDD	1.24e3	0.77	NO	0.9431	1.000	26.08	1.000	0.247	98.9	0.0864	0.247
2	1,2,3,7,8-PeCDD	3.31e3	0.61	NO	0.8874	1.000	31.25	1.001	1.15	91.7	0.0669	1.15
3	1,2,3,4,7,8-HxCDD	2.81e3	1.38	NO	1.1880	1.000	34.59	1.001	1.20	95.9	0.0714	1.20
4	1,2,3,6,7,8-HxCDD	2.87e3	1.34	NO	1.0069	1.000	34.69	1.000	1.12	89.5	0.0729	1.12
5	1,2,3,7,8-HxCDD	2.57e3	1.32	NO	0.9820	1.000	34.94	1.000	1.12	89.5	0.0828	1.12
6	1,2,3,4,6,7,8-HpCDD	1.89e3	1.02	NO	1.0822	1.000	38.44	1.001	1.15	92.1	0.121	1.15
7	OCDD	2.80e3	0.82	NO	1.0440	1.000	41.84	1.000	2.38	86.1	0.210	2.38
8	2,3,7,8-TCDF	1.56e3	0.88	NO	0.9700	1.000	25.08	1.001	0.208	83.5	0.0385	0.208
9	1,2,3,7,8-PeCDF	5.92e3	1.54	NO	0.9580	1.000	28.92	1.000	1.18	92.8	0.0438	1.18
10	1,2,3,4,7,8-HxCDF	5.73e3	1.48	NO	1.0074	1.000	30.93	1.001	1.18	93.1	0.0427	1.18
11	1,2,3,4,7,8-HxCDF	4.78e3	1.17	NO	1.1832	1.000	33.74	1.001	1.20	95.9	0.0522	1.20
12	1,2,3,6,7,8-HxCDF	4.97e3	1.24	NO	1.1431	1.000	33.85	1.000	1.12	89.8	0.0502	1.12
13	2,3,4,6,7,8-HxCDF	4.77e3	1.30	NO	1.2131	1.000	34.42	1.000	1.13	90.2	0.0514	1.13
14	1,2,3,7,8-HxCDF	3.74e3	1.23	NO	1.1349	1.000	35.29	1.000	1.20	95.8	0.0736	1.20
15	1,2,3,4,6,7,8-HpCDF	3.46e3	1.02	NO	1.1891	1.000	37.52	1.000	1.18	94.3	0.0827	1.18
16	1,2,3,4,7,8-HpCDF	2.81e3	1.18	NO	1.2858	1.000	39.55	1.000	1.21	97.1	0.0845	1.21
17	OCDF	3.77e3	0.88	NO	1.0814	1.000	41.86	1.000	2.37	84.8	0.150	2.37
18	13C-2,3,7,8-TCDD	5.32e5	0.75	NO	1.1753	1.000	36.06	1.028	112	112	0.310	
19	13C-1,2,3,7,8-PeCDD	3.22e5	0.82	NO	0.7731	1.000	31.23	1.232	103	103	0.258	

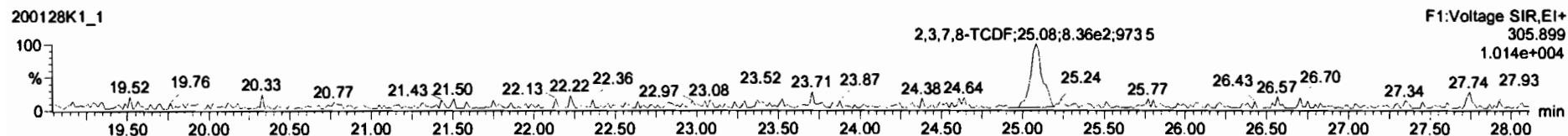
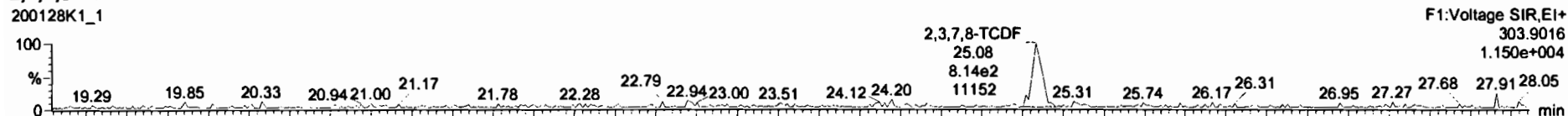


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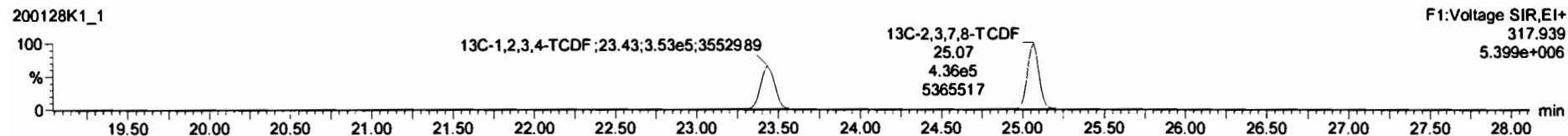
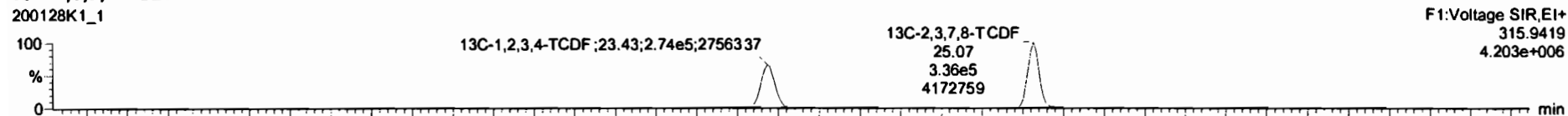
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Name: 200128K1_1, Date: 28-Jan-2020, Time: 12:07:01, ID: ST200128K1_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

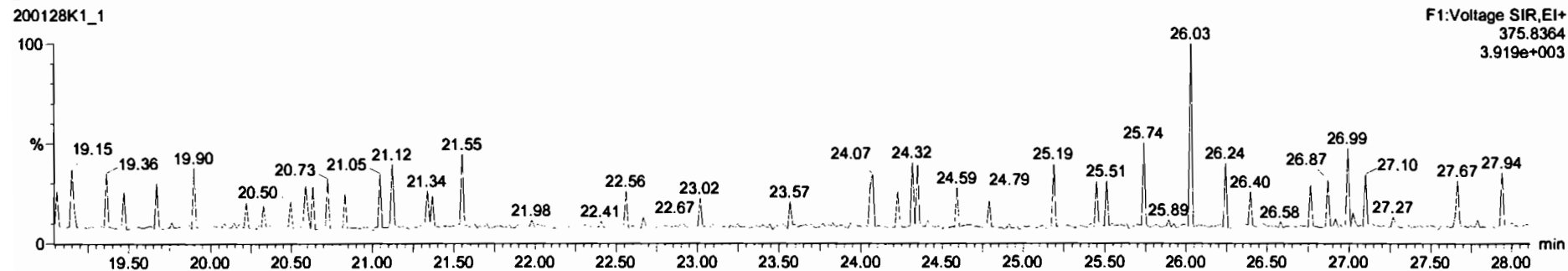
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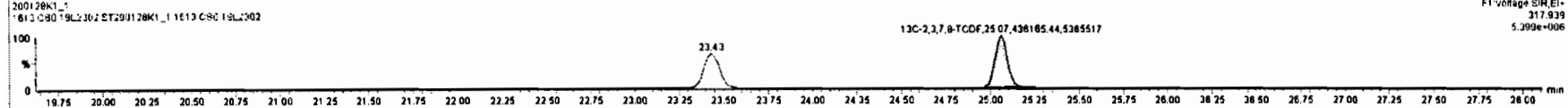
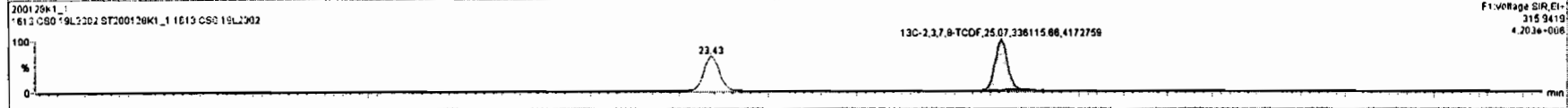
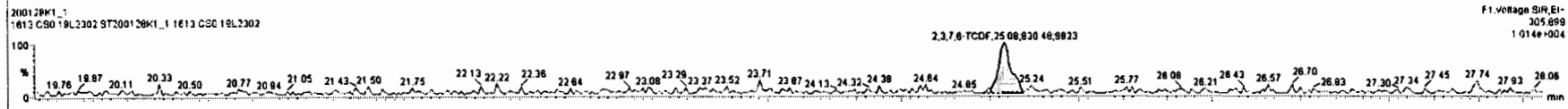
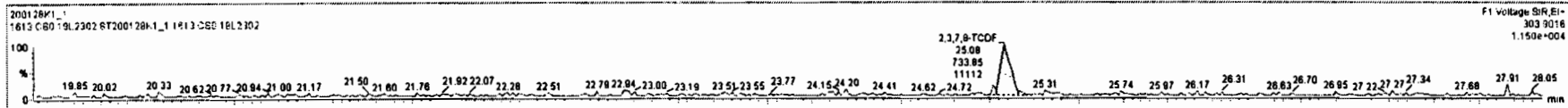
13C-2,3,7,8-TCDF



DPE1



SL	Name	Resp.	RA	rvy	RRF	wtdval	RT	RRT	Conc.	%Rec	DL	RMPC
1	2,3,7,8-TCDD	1.24e3	0.77	NO	0.9421	1.000	26.06	1.000	0.247	98.9	0.0884	0.247
2	1,2,3,7,8-PeCDD	3.31e3	0.81	NO	0.8974	1.000	31.25	1.001	1.15	91.7	0.0889	1.15
3	1,2,3,4,7,8-HxCDD	2.91e3	1.38	NO	1.1680	1.000	34.58	1.001	1.20	95.9	0.0714	1.20
4	1,2,3,6,7,8-HxCDD	2.87e3	1.34	NO	1.0088	1.000	34.68	1.000	1.12	88.5	0.0728	1.12
5	1,2,3,7,8,9-HxCDD	2.57e3	1.32	NO	0.9920	1.000	34.94	1.000	1.12	88.5	0.0828	1.12
6	1,2,3,4,6,7,8-HpCDD	1.89e3	1.02	NO	1.0622	1.000	38.44	1.001	1.15	82.1	0.121	1.15
7	OCDD	2.90e3	0.82	NO	1.0440	1.000	41.84	1.000	2.30	85.1	0.210	2.30
8	2,3,7,8-TCDF	1.68e3	0.88	NO	0.8700	1.000	26.06	1.001	0.209	89.5	0.0288	0.209
9	1,2,3,7,8-PeCDF	5.92e3	1.54	NO	0.9280	1.000	29.92	1.000	1.16	92.9	0.0436	1.16
10	2,3,4,7,8-PeCDF	5.73e3	1.48	NO	1.0074	1.000	30.93	1.001	1.16	93.1	0.0427	1.16
11	1,2,3,4,7,8-HxCDF	4.76e3	1.17	NO	1.1632	1.000	32.74	1.001	1.20	96.9	0.0522	1.20
12	1,2,3,6,7,8-HxCDF	4.87e3	1.24	NO	1.1431	1.000	33.85	1.000	1.12	89.8	0.0522	1.12
13	2,3,4,6,7,8-HxCDF	4.77e3	1.30	NO	1.2131	1.000	34.42	1.000	1.13	90.2	0.0514	1.13
14	1,2,3,7,8,9-HxCDF	3.76e3	1.23	NO	1.1349	1.000	35.28	1.000	1.20	95.8	0.0728	1.20
15	1,2,3,4,6,7,8-HpCDF	3.46e3	1.02	NO	1.1891	1.000	37.02	1.000	1.18	94.3	0.0827	1.18
16	1,2,3,4,7,8,9-HpCDF	2.61e3	1.18	NO	1.2886	1.000	38.02	1.000	1.21	97.1	0.0945	1.21
17	OCDF	3.77e3	0.86	NO	1.0614	1.000	41.88	1.000	2.37	94.8	0.150	2.37
18	13C-2,3,7,8-TCDD	5.32e5	0.75	NO	1.1723	1.000	26.06	1.008	112	112	0.310	
19	13C-1,2,3,7,8-PeCDD	3.22e5	0.82	NO	0.7721	1.000	31.23	1.232	103	103	0.358	
20	13C-1,2,3,4,7,8-HxCDD	1.76e5	1.34	NO	0.6788	1.000	34.42	1.064	108	108	0.401	



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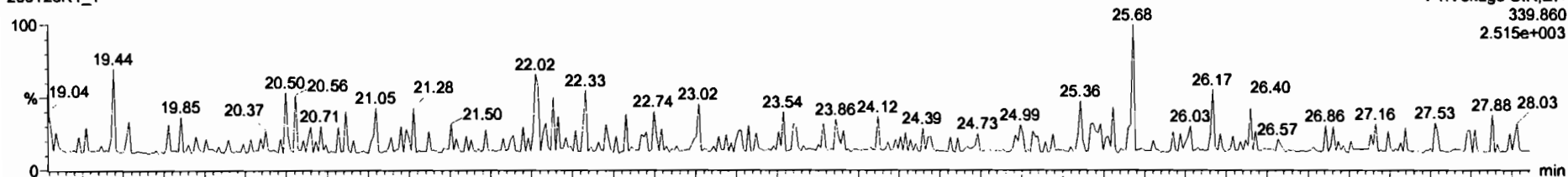
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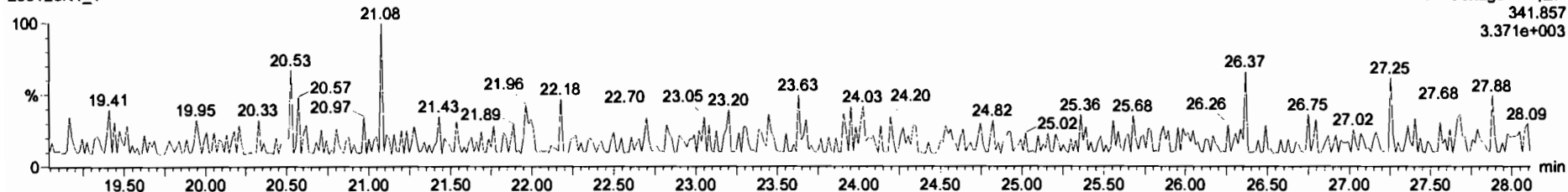
Name: 200128K1_1, Date: 28-Jan-2020, Time: 12:07:01, ID: ST200128K1_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

1st Func. Penta-Furans

200128K1_1

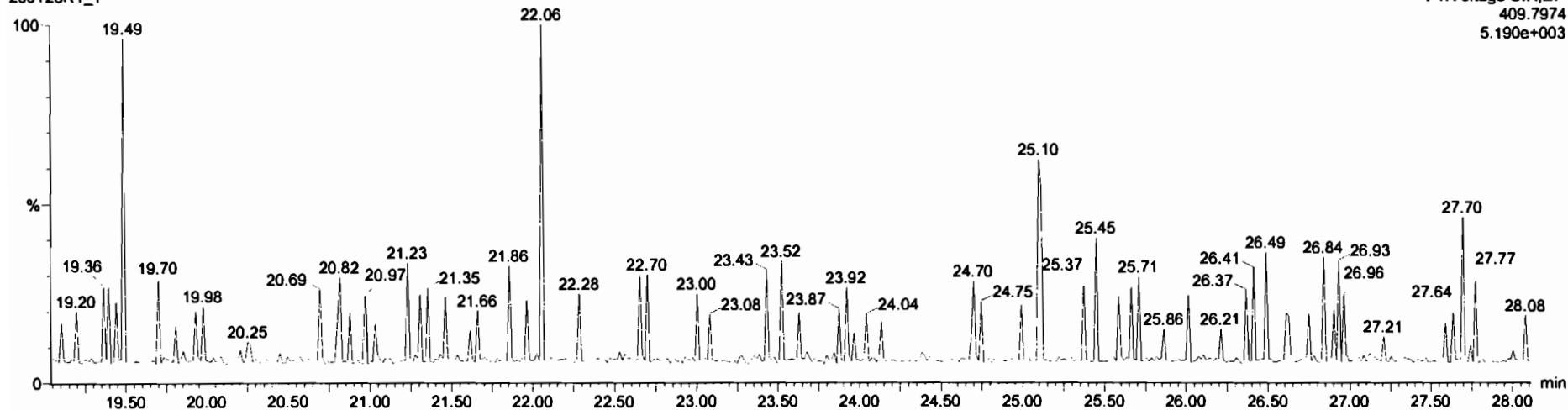


200128K1_1



DPE6

200128K1_1



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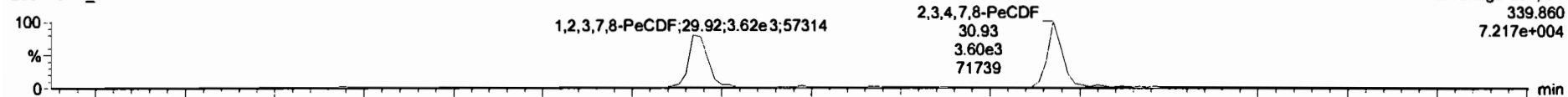
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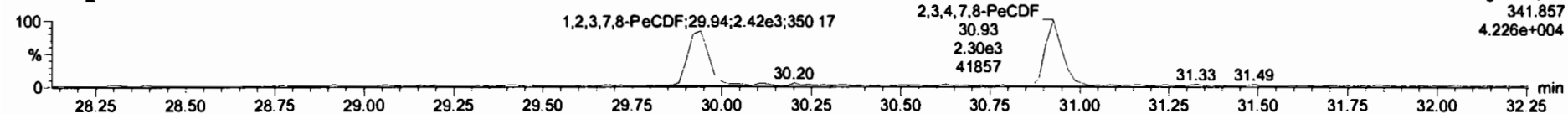
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1,2,3,7,8-PeCDF

200128K1_1

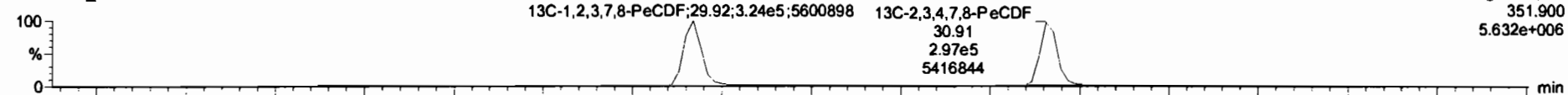


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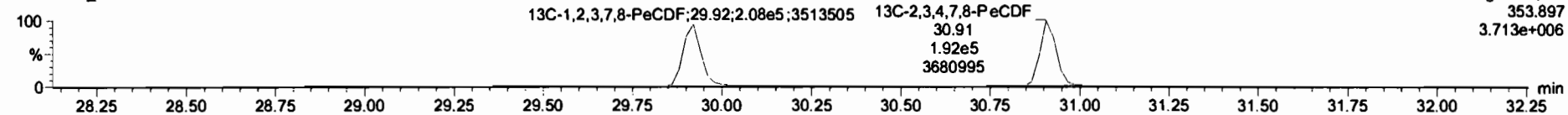


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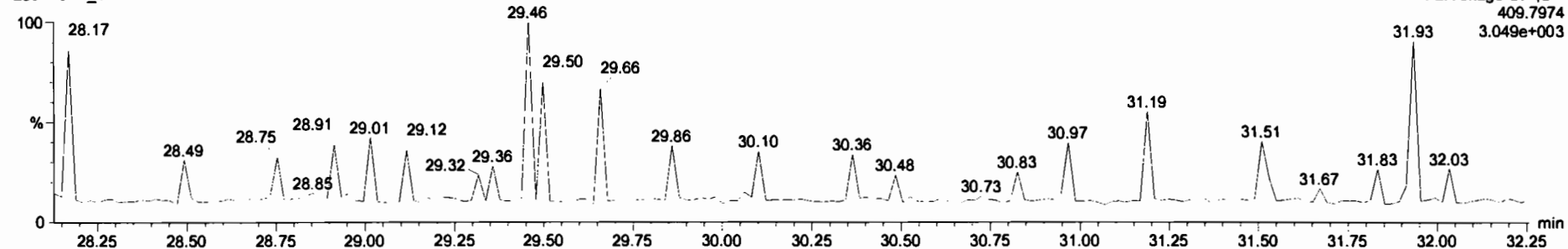


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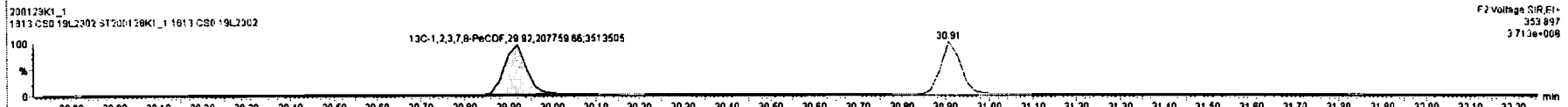
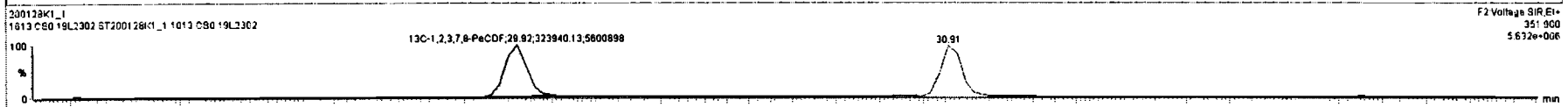
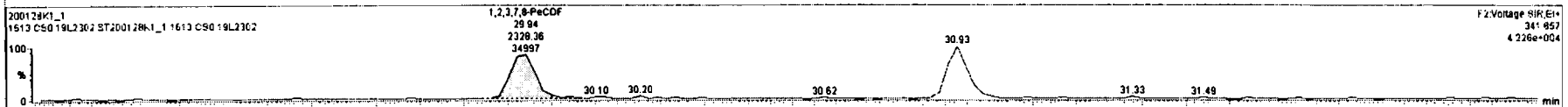
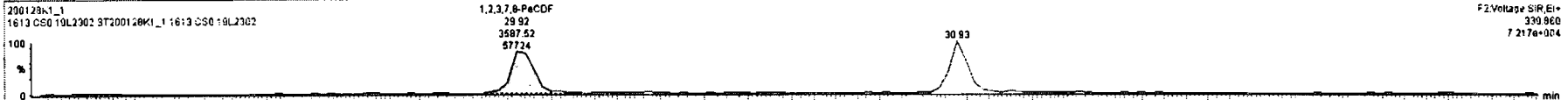


DPE2

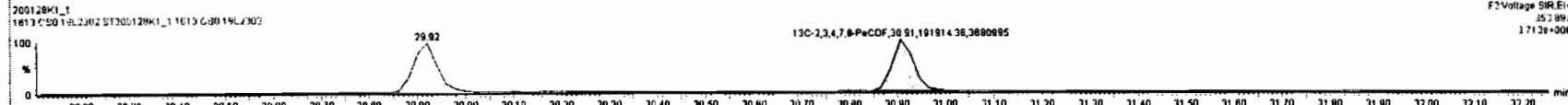
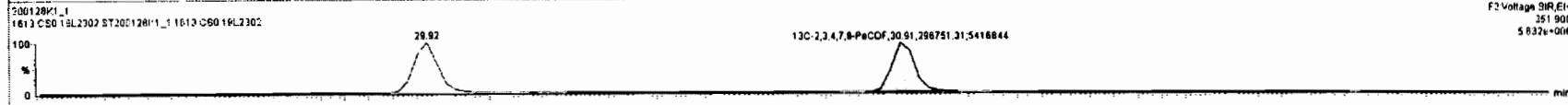
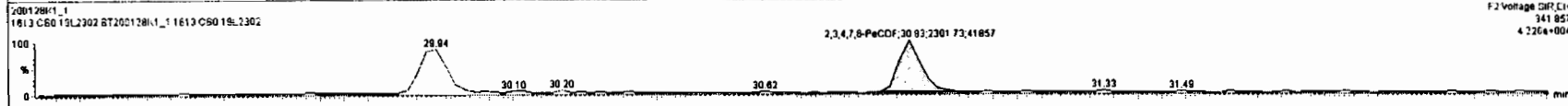
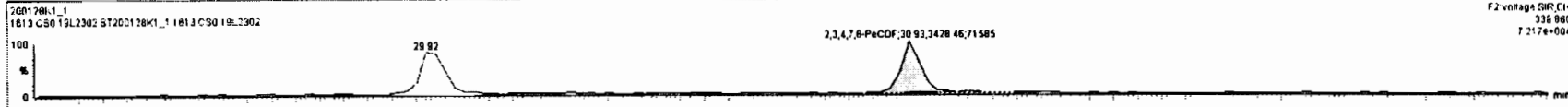
200128K1_1



#	Name	Resp	RA	Qty	RF	wtAve	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.24e3	0.77	NO	0.9431	1.000	28.06	1.000	0.247	98.9	0.0884	0.247
2	1,2,3,7,8-PeCDD	3.31e3	0.61	NO	0.8974	1.000	31.25	1.001	1.15	91.7	0.0668	1.15
3	1,2,3,4,7,8-HxCDD	2.81e3	1.38	NO	1.1680	1.000	34.58	1.001	1.20	95.9	0.0714	1.20
4	1,2,3,6,7,8-HxCDD	2.87e3	1.34	NO	1.0088	1.000	34.88	1.000	1.12	88.5	0.0728	1.12
5	1,2,3,7,8,9-HxCDD	2.57e3	1.32	NO	0.9820	1.000	34.94	1.000	1.12	88.5	0.0828	1.12
6	1,2,3,4,6,7,8-HpCDD	1.89e3	1.02	NO	1.0622	1.000	38.44	1.001	1.15	82.1	0.121	1.15
7	OCDD	2.90e3	0.82	NO	1.0440	1.000	41.84	1.000	2.38	95.1	0.210	2.38
8	2,3,7,8-TCDF	1.56e3	0.88	NO	0.9700	1.000	25.08	1.001	0.208	83.5	0.0388	0.209
9	1,2,3,7,8-PeCDF	5.82e3	1.54	NO	0.9580	1.000	28.82	1.000	1.18	82.8	0.0438	1.18
10	2,3,4,7,8-PeCDF	5.73e3	1.48	NO	1.0074	1.000	30.93	1.001	1.16	80.1	0.0427	1.16
11	1,2,3,4,7,8-HxCDF	4.76e3	1.17	NO	1.1632	1.000	33.74	1.001	1.20	85.8	0.0522	1.20
12	1,2,3,6,7,8-HxCDF	4.97e3	1.24	NO	1.1431	1.000	33.85	1.000	1.12	88.8	0.0502	1.12
13	2,3,4,6,7,8-HxCDF	4.77e3	1.30	NO	1.2131	1.000	34.42	1.000	1.13	80.2	0.0514	1.13
14	1,2,3,7,8,9-HxCDF	3.74e3	1.23	NO	1.1349	1.000	35.28	1.000	1.20	85.8	0.0738	1.20
15	1,2,3,4,6,7,8-HpCDF	3.48e3	1.02	NO	1.1881	1.000	37.02	1.000	1.18	84.3	0.0827	1.18
16	1,2,3,4,7,8,9-HpCDF	2.81e3	1.18	NO	1.3886	1.000	38.05	1.000	1.21	87.1	0.0845	1.21
17	OCDF	3.77e3	0.86	NO	1.0814	1.000	41.86	1.000	2.37	94.8	0.150	2.37
18	13C-2,3,7,8-TCDD	5.33e5	0.75	NO	1.1733	1.000	28.06	1.028	112	112	0.310	
19	13C-1,2,3,7,8-PeCDD	3.22e5	0.62	NO	0.7731	1.000	31.23	1.232	103	103	0.358	



#	Name	Resp	RA	rv	RPF	retVal	RT	RRT	Conc.	%Rec	DL	dBPC
1	2,3,7,8-TCDD	1.24e3	0.77	NO	0.9431	1.000	28.08	1.000	0.247	88.8	0.0884	0.247
2	1,2,3,7,8-PeCDD	3.31e3	0.61	NO	0.8874	1.000	31.25	1.001	1.15	91.7	0.0888	1.15
3	1,2,3,4,7,8-HxCDD	2.81e3	1.38	NO	1.1880	1.000	34.59	1.001	1.20	85.8	0.0714	1.20
4	1,2,3,6,7,8-HxCDD	2.67e3	1.34	NO	1.0088	1.000	34.80	1.000	1.12	88.5	0.0728	1.12
5	1,2,3,7,8,9-HxCDD	2.57e3	1.32	NO	0.9820	1.000	34.94	1.000	1.12	88.5	0.0828	1.12
6	1,2,3,4,6,7,8-HpCDD	1.88e3	1.02	NO	1.0822	1.000	38.44	1.001	1.15	82.1	0.121	1.15
7	OCDD	2.80e3	0.92	NO	1.0440	1.000	41.84	1.000	2.28	95.1	0.210	2.28
8	2,3,7,8-TCDF	1.56e3	0.88	NO	0.9700	1.000	25.08	1.001	0.208	83.5	0.0389	0.208
9	1,2,3,7,8-PeCDF	5.52e3	1.54	NO	0.9580	1.000	29.82	1.000	1.18	92.9	0.0438	1.18
10	2,3,4,7,8-PeCDF	5.78e3	1.48	NO	1.0074	1.000	30.80	1.001	1.18	88.1	0.0427	1.18
11	1,2,3,4,7,8-HxCDF	4.78e3	1.17	NO	1.1832	1.000	33.74	1.001	1.20	85.9	0.0522	1.20
12	1,2,3,6,7,8-HxCDF	4.67e3	1.24	NO	1.1431	1.000	33.85	1.000	1.12	88.8	0.0602	1.12
13	2,3,4,6,7,8-HxCDF	4.77e3	1.30	NO	1.2121	1.000	34.42	1.000	1.13	90.2	0.0614	1.13
14	1,2,3,7,8,9-HxCDF	3.74e3	1.23	NO	1.1348	1.000	35.29	1.000	1.20	85.8	0.0738	1.20
15	1,2,3,4,6,7,8-HpCDF	3.46e3	1.02	NO	1.1901	1.000	37.02	1.000	1.18	94.3	0.0827	1.18
16	1,2,3,4,7,8,9-HpCDF	2.81e3	1.18	NO	1.2888	1.000	38.05	1.000	1.21	87.1	0.0845	1.21
17	OCDF	3.77e3	0.88	NO	1.0814	1.000	41.88	1.000	2.37	94.8	0.150	2.37
18	13C-2,3,7,8-TCDD	5.33e5	0.75	NO	1.1733	1.000	28.08	1.028	112	112	0.310	
19	13C-1,2,3,7,8-PeCDD	3.22e5	0.82	NO	0.7731	1.000	31.23	1.232	103	103	0.358	



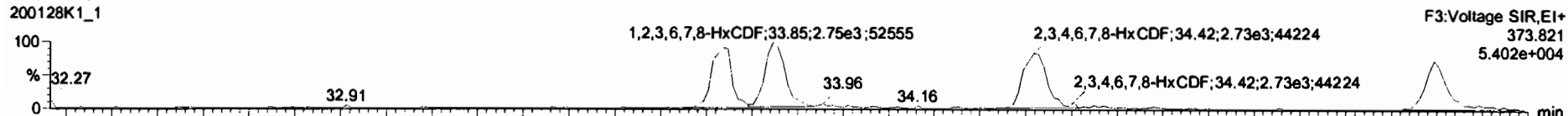
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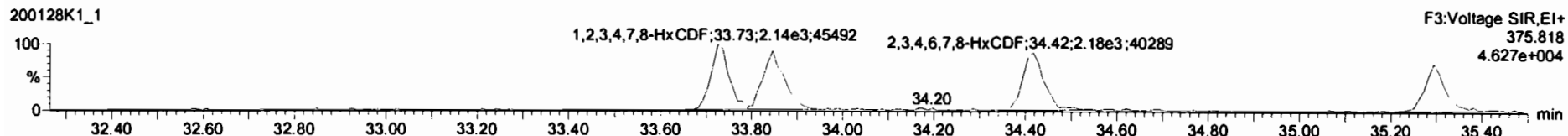
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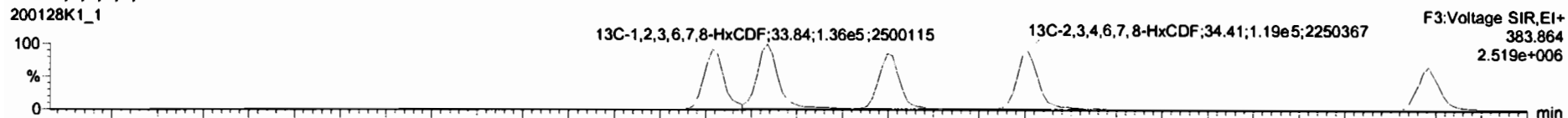


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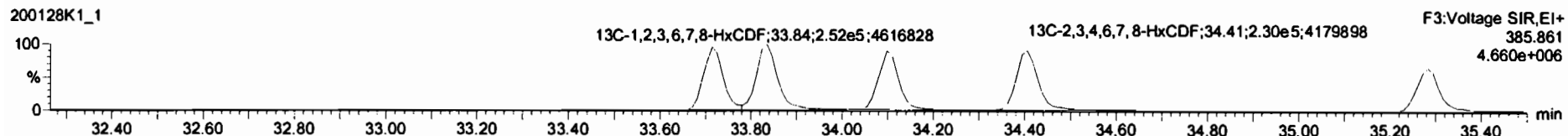


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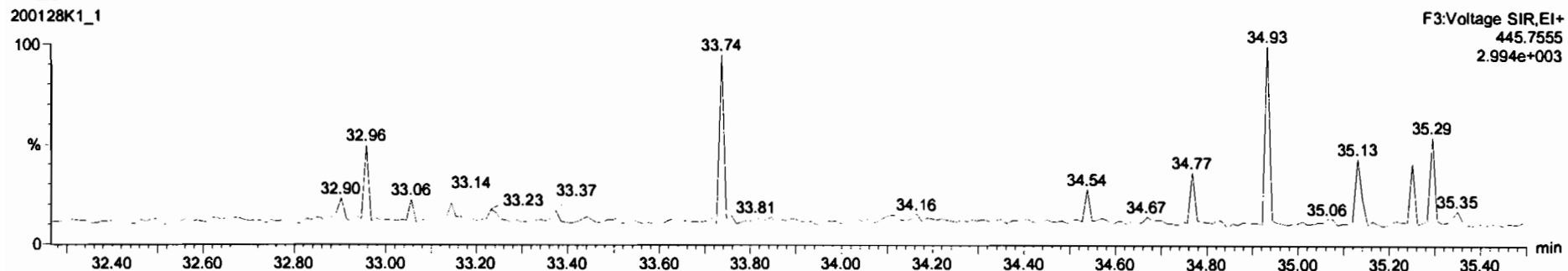


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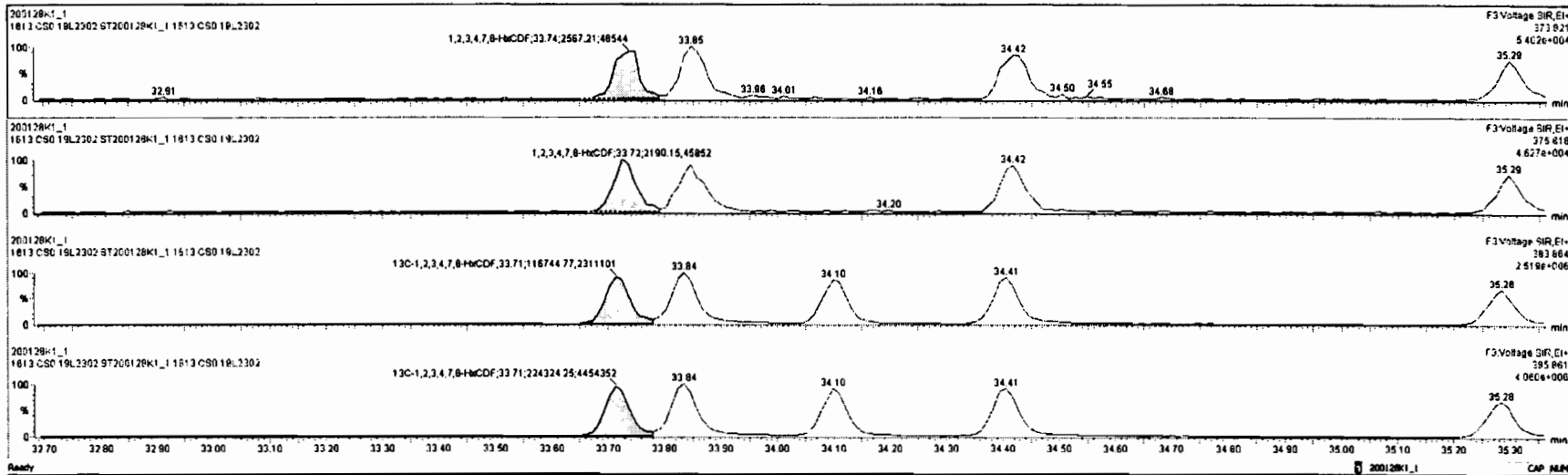


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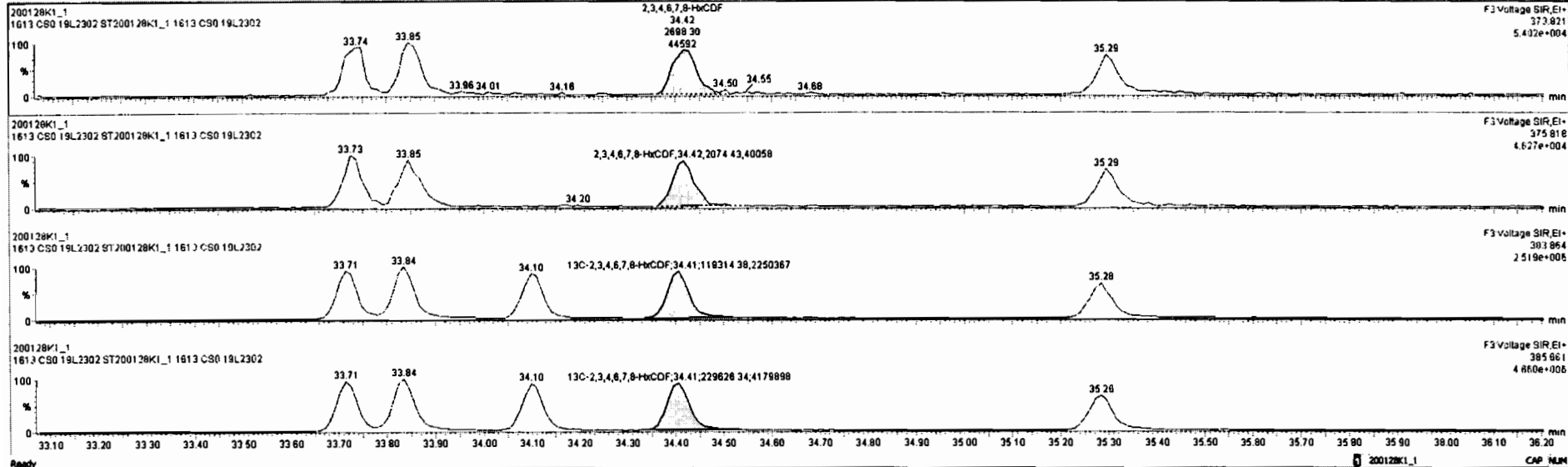


#	Name	Resp	RA	Inty	RNF	IntVal	RT	RRT	Comp	%Rec	DL	IMP
1	2,3,7,8-TCDD	1.24e3	0.77	NO	0.9431	1.000	28.08	1.000	0.247	88.8	0.0884	0.247
2	1,2,3,7,8-PeCDD	3.31e3	0.61	NO	0.9874	1.000	31.25	1.001	1.15	81.7	0.0885	1.15
3	1,2,3,4,7,8-HxCDD	2.91e3	1.38	NO	1.1680	1.000	34.38	1.001	1.20	95.8	0.0714	1.20
4	1,2,3,6,7,8-HxCDD	2.87e3	1.34	NO	1.0098	1.000	34.88	1.000	1.12	88.5	0.0728	1.12
5	1,2,3,7,8,9-HxCDD	2.57e3	1.32	NO	0.9820	1.000	34.94	1.000	1.12	88.5	0.0828	1.12
6	1,2,3,4,6,7,8-HpCDD	1.89e3	1.02	NO	1.0822	1.000	36.44	1.001	1.15	82.1	0.121	1.15
7	OCDD	2.90e3	0.92	NO	1.0440	1.000	41.84	1.000	2.38	95.1	0.210	2.38
8	2,3,7,8-TCDF	1.58e3	0.88	NO	0.9700	1.000	25.08	1.001	0.208	83.5	0.0388	0.208
9	1,2,3,7,8-PeCDF	5.52e3	1.54	NO	0.8580	1.000	29.83	1.000	1.18	82.9	0.0438	1.18
10	2,3,4,7,8-PeCDF	5.73e3	1.48	NO	1.0074	1.000	30.93	1.001	1.18	83.1	0.0437	1.18
11	1,2,3,4,7,8-HxCDF	4.78e3	1.17	NO	1.1852	1.000	33.74	1.001	1.20	85.8	0.0822	1.20
12	1,2,3,6,7,8-HxCDF	4.87e3	1.24	NO	1.1431	1.000	33.85	1.000	1.12	88.8	0.0802	1.12
13	2,3,4,6,7,8-HxCDF	4.77e3	1.20	NO	1.2131	1.000	34.42	1.000	1.13	80.2	0.0814	1.13
14	1,2,3,7,8,9-HxCDF	3.74e3	1.23	NO	1.1348	1.000	35.28	1.000	1.20	85.8	0.0738	1.20
15	1,2,3,4,6,7,8-HpCDF	3.48e3	1.02	NO	1.1881	1.000	37.02	1.000	1.18	84.3	0.0827	1.18
16	1,2,3,4,7,8,9-HpCDF	2.61e3	1.18	NO	1.2898	1.000	38.05	1.000	1.21	87.1	0.0845	1.21
17	OCDF	3.77e3	0.86	NO	1.0814	1.000	41.88	1.000	2.37	84.8	0.150	2.37
18	13C-2,3,7,8-TCDD	5.33e5	0.75	NO	1.1733	1.000	28.08	1.028	112	112	0.310	
19	13C-1,2,3,7,8-PeCDD	3.22e5	0.82	NO	0.7721	1.000	31.23	1.232	100	100	0.358	

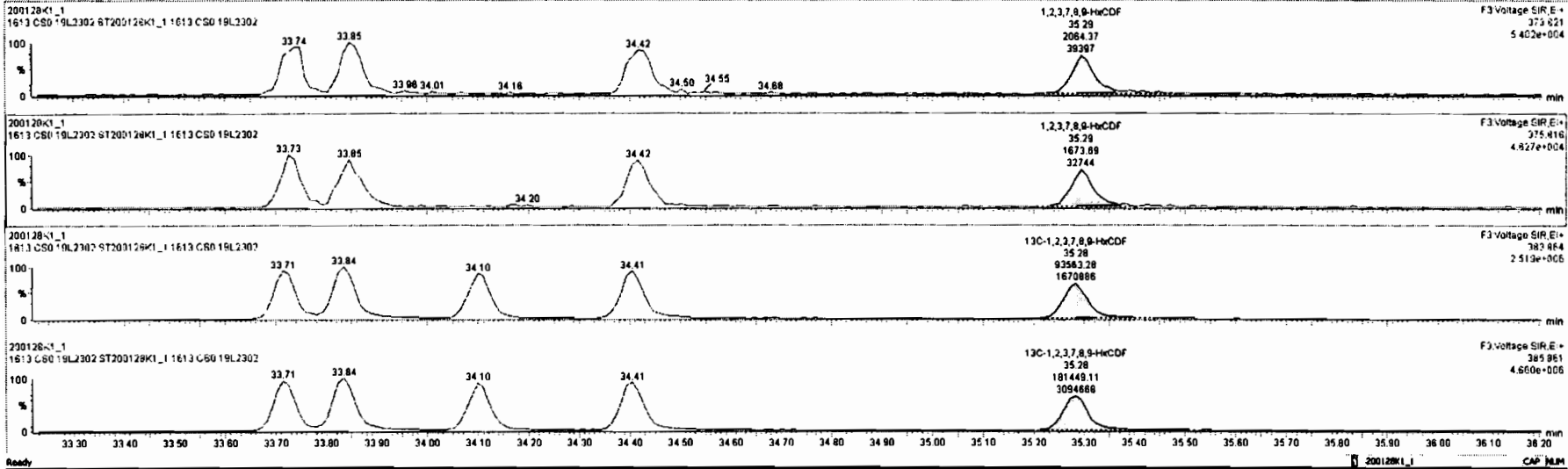




#	Name	Resp	RA	RIY	RIF	WtAve	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.24e3	0.77	NO	0.9431	1.000	26.06	1.000	0.247	98.9	0.0994	0.247
2	1,2,3,4,7,8-PeCDD	3.31e3	0.61	NO	0.8974	1.000	31.25	1.001	1.15	91.7	0.0669	1.15
3	1,2,3,4,7,8-HxCDD	2.91e3	1.38	NO	1.1690	1.000	34.59	1.001	1.20	95.0	0.0714	1.20
4	1,2,3,6,7,8-HxCDD	2.87e3	1.34	NO	1.0088	1.000	34.69	1.000	1.12	89.5	0.0728	1.12
5	1,2,3,7,8,9-HxCDD	2.57e3	1.32	NO	0.9820	1.000	34.94	1.000	1.12	89.5	0.0828	1.12
6	1,2,3,4,6,7,8-HpCDD	1.89e3	1.02	NO	1.0622	1.000	38.44	1.001	1.15	92.1	0.121	1.15
7	OCDD	2.90e3	0.92	NO	1.0440	1.000	41.64	1.000	2.38	95.1	0.210	2.38
8	2,3,7,8-TCDF	1.56e3	0.88	NO	0.9700	1.000	25.08	1.001	0.209	83.5	0.0389	0.209
9	1,2,3,7,8-PeCDF	5.92e3	1.54	NO	0.8580	1.000	28.82	1.000	1.16	92.9	0.0438	1.16
10	1,2,3,4,7,8-PeCDF	5.73e3	1.48	NO	1.0074	1.000	30.83	1.001	1.16	93.1	0.0427	1.16
11	1,2,3,4,7,8-HxCDF	4.78e3	1.17	NO	1.1632	1.000	33.74	1.001	1.20	95.9	0.0522	1.20
12	1,2,3,6,7,8-HxCDF	4.97e3	1.24	NO	1.1431	1.000	33.85	1.000	1.12	89.8	0.0502	1.12
13	2,3,4,6,7,8-HxCDF	4.77e3	1.30	NO	1.2131	1.000	34.42	1.000	1.13	90.2	0.0814	1.13
14	1,2,3,7,8,9-HxCDF	3.74e3	1.23	NO	1.1349	1.000	35.28	1.000	1.20	95.8	0.0738	1.20
15	1,2,3,4,6,7,8-HpCDF	3.46e3	1.02	NO	1.1891	1.000	37.02	1.000	1.18	94.3	0.0827	1.18
16	1,2,3,4,7,8,9-HpCDF	2.61e3	1.18	NO	1.2868	1.000	39.05	1.000	1.21	97.1	0.0845	1.21
17	OCDF	3.77e3	0.86	NO	1.0814	1.000	41.86	1.000	2.37	94.8	0.150	2.37
18	13C-2,3,7,8-TCDD	5.33e5	0.75	NO	1.1723	1.000	28.06	1.028	1.12	112	0.310	
19	13C-1,2,3,7,8-PeCDD	3.22e5	0.82	NO	0.7731	1.000	31.23	1.232	103	103	0.358	



Name	Resp	RA	rvf	RPF	wt/vol	RT	RRT	Conc.	%Rec	DL	dBPC
1 2,3,7,8-TCDD	1.24e3	0.77	NO	0.9431	1.000	26.08	1.000	0.247	98.9	0.0894	0.247
2 1,2,3,7,8-PeCDD	3.31e3	0.61	NO	0.8674	1.000	31.25	1.007	1.15	91.7	0.0889	1.15
3 1,2,3,4,7,8-HxCDD	2.91e3	1.38	NO	1.1880	1.000	34.58	1.001	1.20	95.9	0.0714	1.20
4 1,2,3,6,7,8-HxCDD	2.87e3	1.34	NO	1.0086	1.000	34.89	1.000	1.12	88.5	0.0729	1.12
5 1,2,3,7,8,9-HxCDD	2.57e3	1.32	NO	0.9820	1.000	34.94	1.000	1.12	89.5	0.0828	1.12
6 1,2,3,4,6,7,8-HpCDD	1.88e3	1.02	NO	1.0622	1.000	38.44	1.001	1.15	92.1	0.121	1.15
7 OCDD	2.90e3	0.92	NO	1.0440	1.000	41.84	1.000	2.38	95.1	0.210	2.38
8 2,3,7,8-TCDF	1.58e3	0.88	NO	0.8700	1.000	25.08	1.001	0.308	83.5	0.0396	0.308
9 1,2,3,7,8-PeCDF	5.82e3	1.54	NO	0.9590	1.000	29.92	1.000	1.16	92.9	0.0438	1.16
10 2,3,4,7,8-PeCDF	5.73e3	1.49	NO	1.0074	1.000	30.63	1.001	1.16	93.1	0.0427	1.16
11 1,2,3,4,7,8-HxCDF	4.78e3	1.17	NO	1.1632	1.000	33.74	1.001	1.20	95.9	0.0527	1.20
12 1,2,3,6,7,8-HxCDF	4.97e3	1.24	NO	1.1431	1.000	33.85	1.000	1.12	89.8	0.0550	1.12
13 2,3,4,6,7,8-HxCDF	4.77e3	1.30	NO	1.2131	1.000	34.42	1.000	1.13	92.2	0.0514	1.13
14 1,2,3,7,8,9-HxCDF	3.37e3	1.23	NO	1.1348	1.000	35.28	1.000	1.20	88.8	0.0738	1.20
15 1,2,3,4,6,7,8-HpCDF	3.48e3	1.02	NO	1.1881	1.000	37.62	1.000	1.18	84.3	0.0827	1.18
16 1,2,3,4,6,7,8,9-HpCDF	2.81e3	1.18	NO	1.3895	1.000	38.05	1.000	1.21	97.1	0.0845	1.21
17 OCDF	3.77e3	0.86	NO	1.0814	1.000	41.88	1.000	2.32	94.8	0.150	2.32
18 1,2,3,7,8-TCDF	5.33e3	0.75	NO	1.1723	1.000	38.66	1.008	1.12	112	0.310	
19 1,2,3,4,7,8,9-HxCDF	3.22e3	0.82	NO	0.7731	1.000	31.23	1.222	1.03	103	0.268	



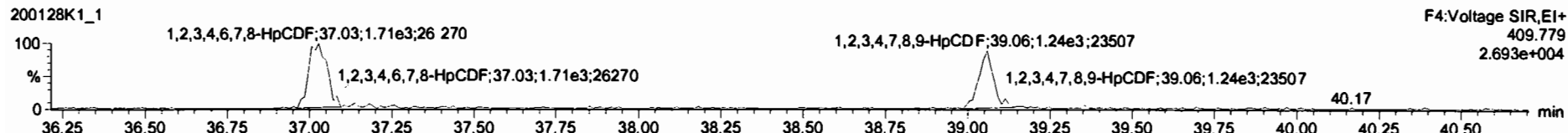
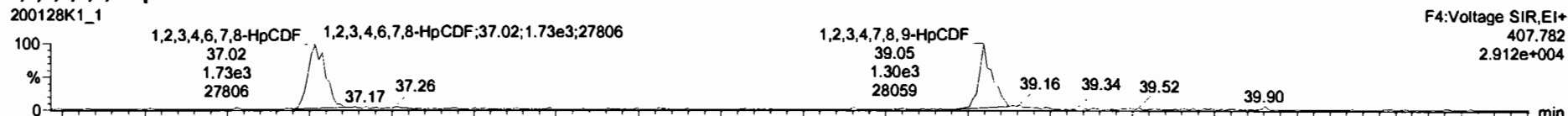
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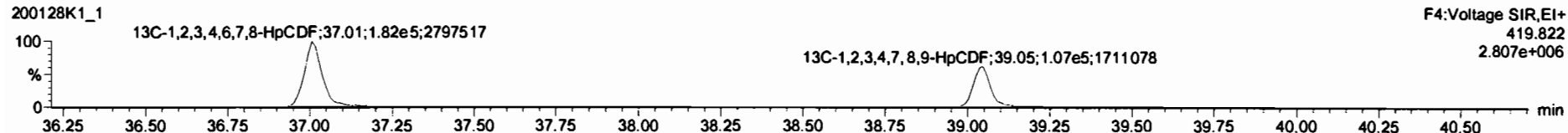
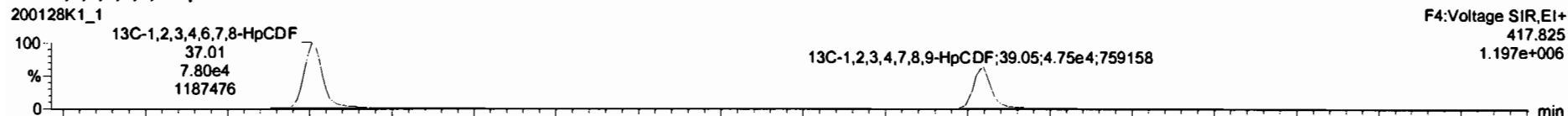
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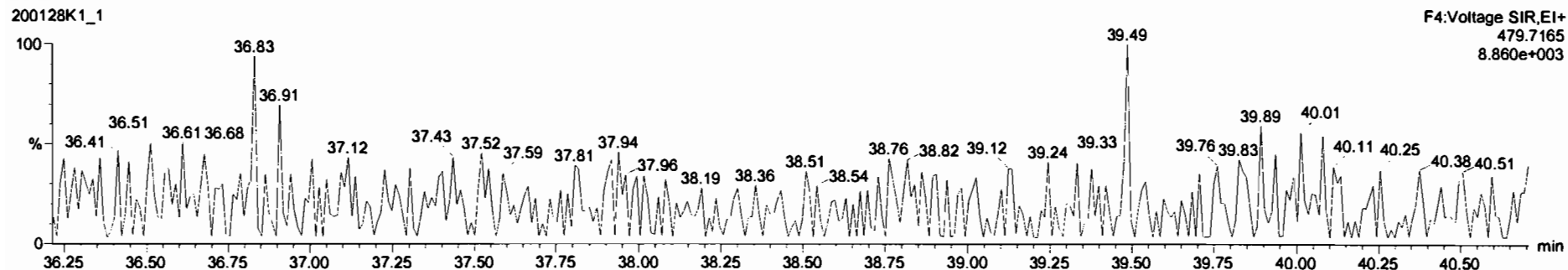
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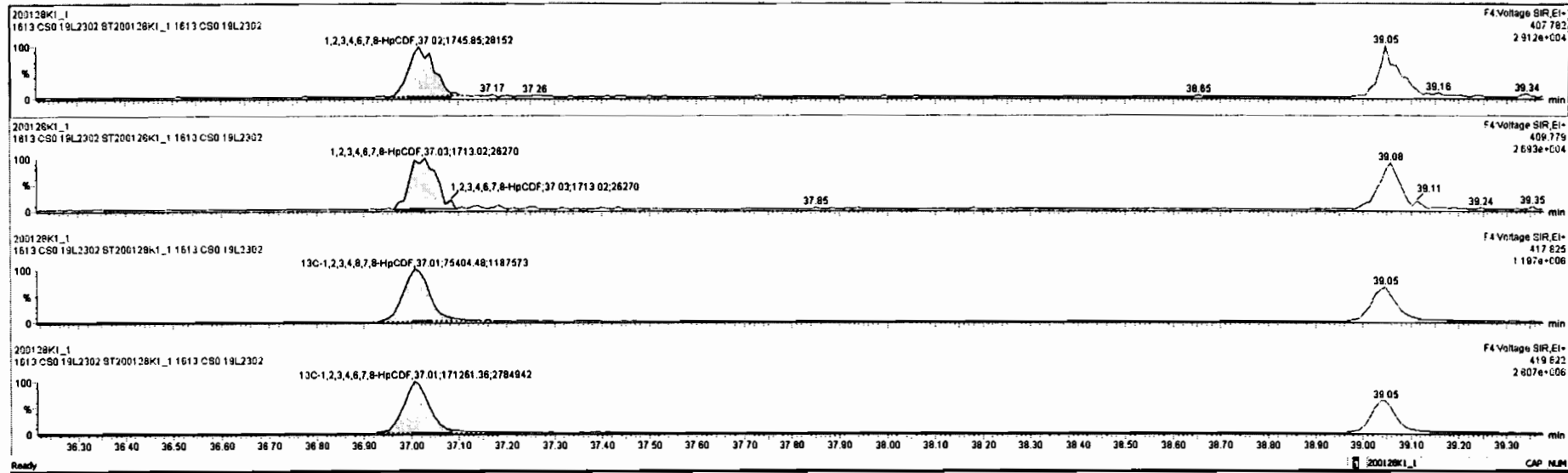
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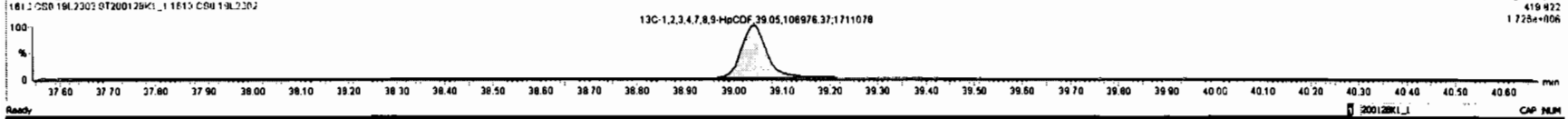
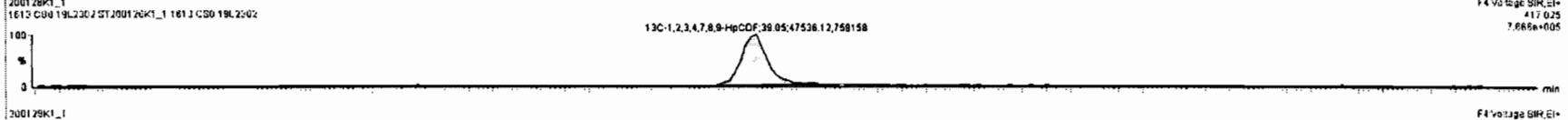
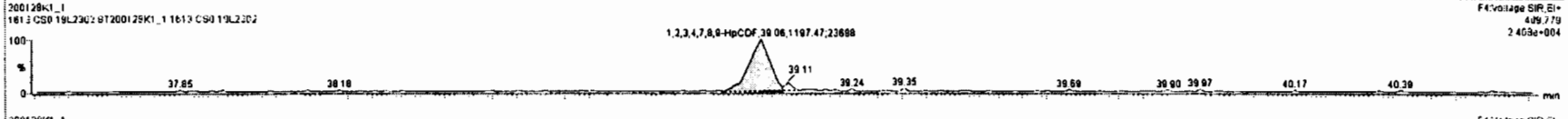
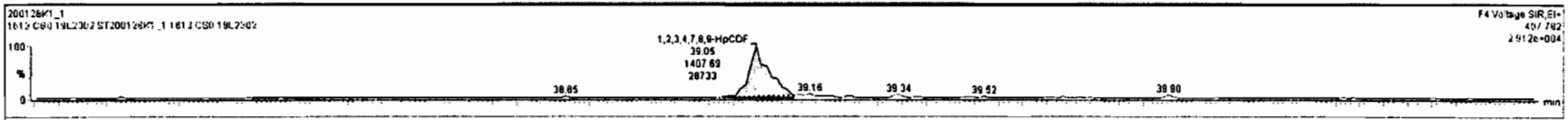
DPE4



Name	Resp	RA	rvy	RPF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.24e3	0.77	NO	0.9431	1.000	26.06	1.000	0.247	99.9	0.0864	0.247
2 1,2,3,7,8-PeCDD	3.31e3	0.81	NO	0.8974	1.000	31.25	1.001	1.15	91.7	0.0869	1.15
3 1,2,3,4,7,8-HxCDD	2.81e3	1.38	NO	1.1680	1.000	34.58	1.001	1.20	85.9	0.0714	1.20
4 1,2,3,6,7,8-HxCDD	2.87e3	1.34	NO	1.0088	1.000	34.68	1.000	1.12	89.5	0.0728	1.12
5 1,2,3,7,8,9-HxCDD	2.57e3	1.32	NO	0.9820	1.000	34.94	1.000	1.12	89.5	0.0828	1.12
6 1,2,3,4,6,7,8-HpCDD	1.89e3	1.02	NO	1.0622	1.000	38.44	1.001	1.15	92.1	0.121	1.15
7 OCDD	2.90e3	0.82	NO	1.0440	1.000	41.84	1.000	2.38	95.1	0.210	2.38
8 2,3,7,8-TCDF	1.56e3	0.88	NO	0.9700	1.000	25.08	1.001	0.209	83.5	0.0399	0.209
9 1,2,3,7,8-PeCDF	5.82e3	1.54	NO	0.9580	1.000	29.82	1.000	1.16	92.9	0.0438	1.16
10 2,3,4,7,8-PeCDF	5.73e3	1.49	NO	1.0074	1.000	30.83	1.001	1.16	93.1	0.0427	1.16
11 1,2,3,4,7,8-HxCDF	4.76e3	1.17	NO	1.1632	1.000	33.74	1.001	1.20	85.8	0.0522	1.20
12 1,2,3,6,7,8-HxCDF	4.97e3	1.24	NO	1.1431	1.000	33.85	1.000	1.12	88.8	0.0502	1.12
13 2,3,4,6,7,8-HxCDF	4.77e3	1.30	NO	1.2131	1.000	34.42	1.000	1.13	90.2	0.0514	1.13
14 1,2,3,7,8,9-HxCDF	3.74e3	1.23	NO	1.1348	1.000	35.29	1.000	1.20	95.8	0.0738	1.20
15 1,2,3,4,6,7,8-HpCDF	3.48e3	1.02	NO	1.1891	1.000	37.02	1.000	1.18	94.3	0.0827	1.18
16 1,2,3,4,7,8,9-HpCDF	2.61e3	1.18	NO	1.3896	1.000	39.05	1.000	1.21	97.1	0.0845	1.21
17 OCDF	3.77e3	0.86	NO	1.0814	1.000	41.86	1.000	2.37	94.8	0.150	2.37
18 13C-2,3,7,8-TCDD	5.33e5	0.75	NO	1.1733	1.000	26.06	1.028	112	112	0.310	
19 13C-1,2,3,7,8-PeCDD	3.22e5	0.62	NO	0.7731	1.000	31.22	1.232	103	103	0.358	



#	Name	Resp	RA	rvf	RPF	wt/wt	RT	RRT	Conc.	%Proc	DL	ExpC
1	2,3,7,8-TCDD	1.24e3	0.77	NO	0.8431	1.000	28.06	1.000	0.247	98.8	0.0864	0.247
2	1,2,3,7,8-PeCDD	3.31e3	0.81	NO	0.8674	1.000	31.25	1.001	1.15	91.7	0.0868	1.15
3	1,2,3,4,7,8-HxCDD	2.81e3	1.38	NO	1.1680	1.000	34.59	1.001	1.20	95.8	0.0714	1.20
4	1,2,3,6,7,8-HxCDD	2.87e3	1.34	NO	1.0088	1.000	34.88	1.000	1.12	89.5	0.0726	1.12
5	1,2,3,7,8,9-HxCDD	2.57e3	1.32	NO	0.9920	1.000	34.94	1.000	1.12	89.5	0.0628	1.12
6	1,2,3,4,6,7,8-HpCDD	1.88e3	1.02	NO	1.0622	1.000	38.44	1.001	1.15	92.1	0.121	1.15
7	OCDD	2.90e3	0.82	NO	1.0440	1.000	41.84	1.000	2.28	95.1	0.210	2.28
8	2,3,7,8-TCDF	1.56e3	0.86	NO	0.8700	1.000	25.08	1.001	0.209	89.5	0.0389	0.209
9	1,2,3,7,8-PeCDF	5.92e3	1.54	NO	0.9580	1.000	29.92	1.000	1.18	92.9	0.0438	1.18
10	2,3,4,7,8-HxCDF	5.72e3	1.49	NO	1.0074	1.000	30.93	1.001	1.16	93.1	0.0427	1.16
11	1,2,3,4,7,8-HxCDF	4.78e3	1.17	NO	1.1632	1.000	33.74	1.001	1.20	95.8	0.0522	1.20
12	1,2,3,6,7,8-HxCDF	4.87e3	1.24	NO	1.1431	1.000	33.85	1.000	1.12	89.8	0.0522	1.12
13	2,3,4,6,7,8-HxCDF	4.77e3	1.30	NO	1.2131	1.000	34.43	1.000	1.13	90.2	0.0514	1.13
14	1,2,3,7,8,9-HpCDF	3.74e3	1.22	NO	1.1349	1.000	35.29	1.000	1.20	95.8	0.0726	1.20
15	1,2,3,4,6,7,8-HpCDF	3.48e3	1.02	NO	1.1881	1.000	37.02	1.000	1.18	94.3	0.0627	1.18
16	1,2,3,4,7,8,9-HpCDF	2.81e3	1.18	NO	1.2088	1.000	38.85	1.000	1.21	97.7	0.0845	1.21
17	OCDF	3.77e3	0.86	NO	1.0614	1.000	41.86	1.000	2.37	94.8	0.150	2.37
18	13C-2,3,7,8-TCDD	5.33e5	0.75	NO	1.1723	1.000	28.06	1.000	112	112	0.310	
19	13C-1,2,3,7,8-PeCDD	3.22e5	0.82	NO	0.7721	1.000	31.23	1.232	103	103	0.358	

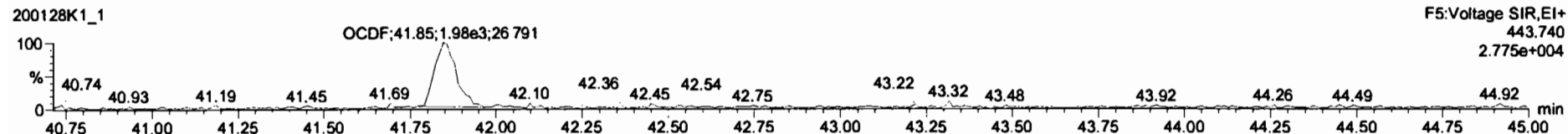
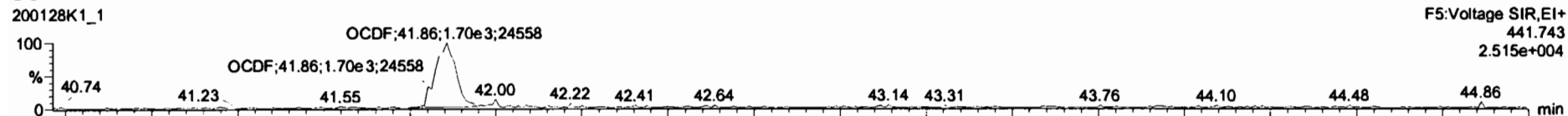


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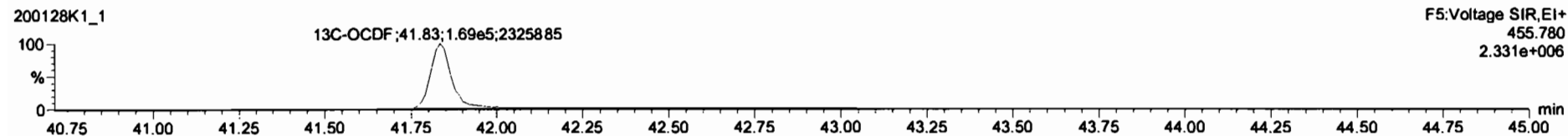
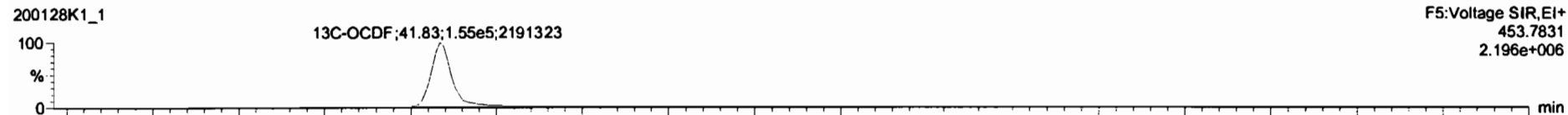
Last Altered: Wednesday, January 29, 2020 07:48:32 Pacific Standard Time
Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

Name: 200128K1_1, Date: 28-Jan-2020, Time: 12:07:01, ID: ST200128K1_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

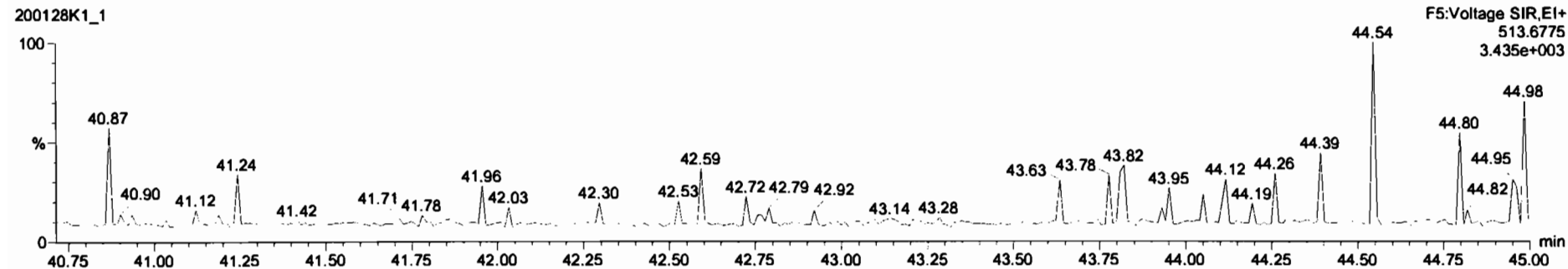
OCDF

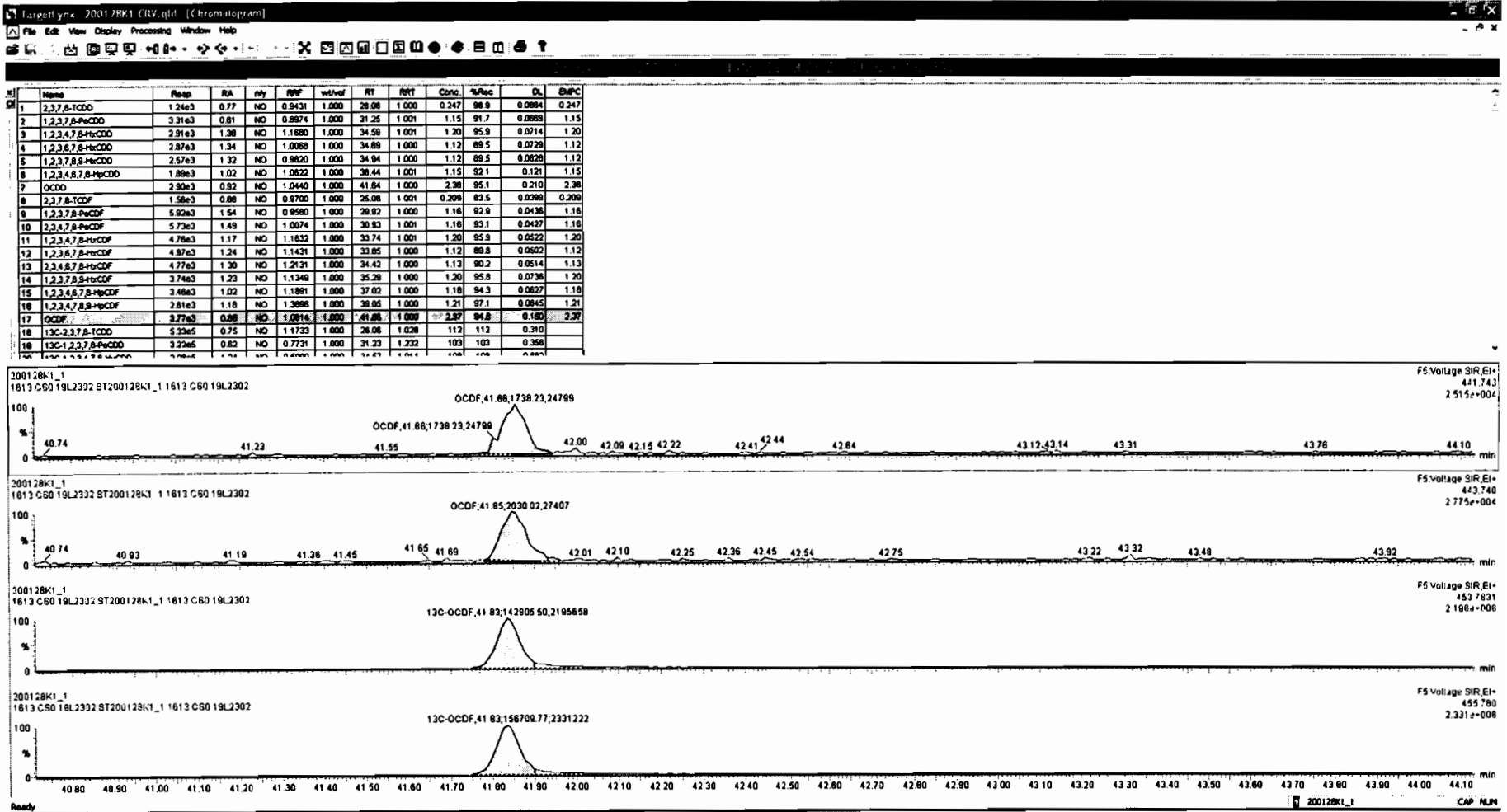


13C-OCDF



DPE5



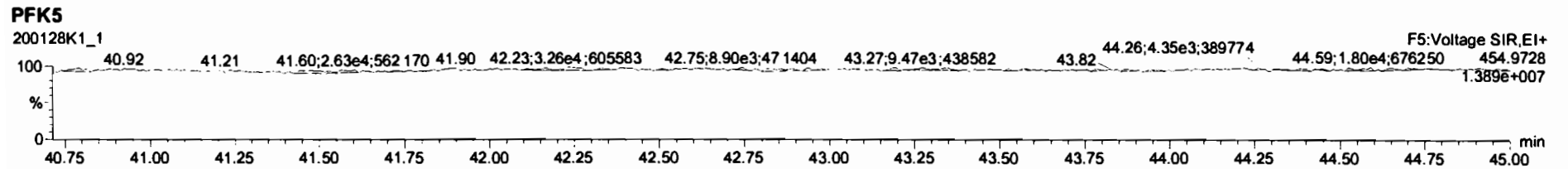
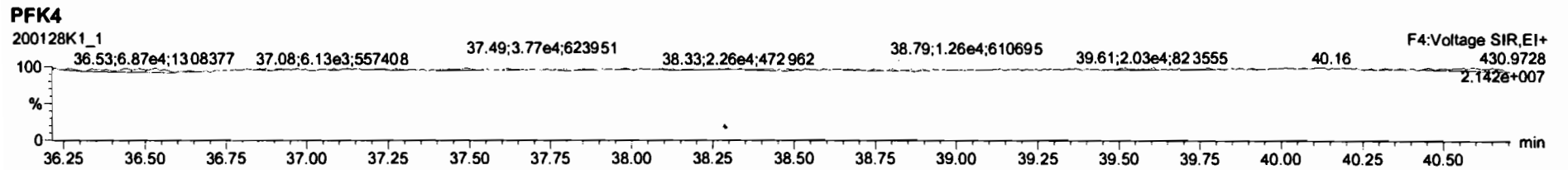
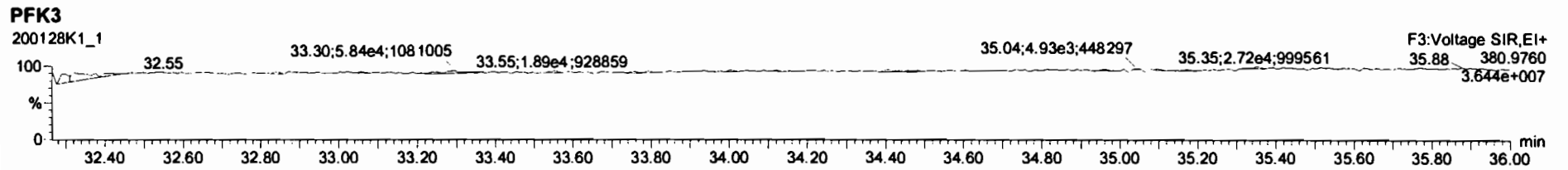
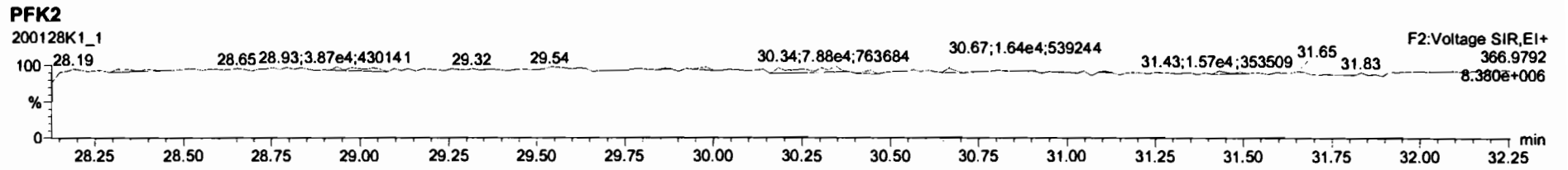
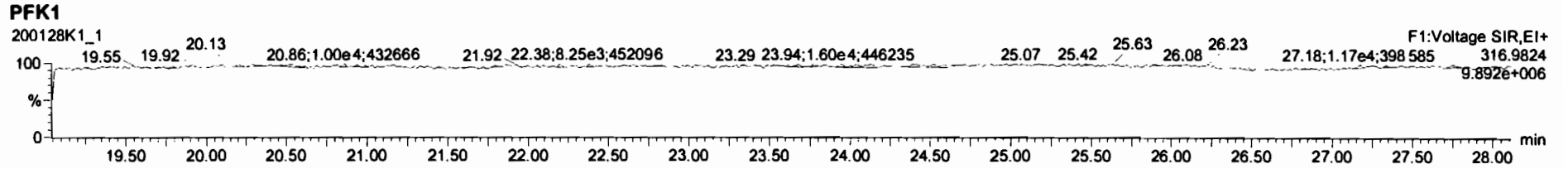


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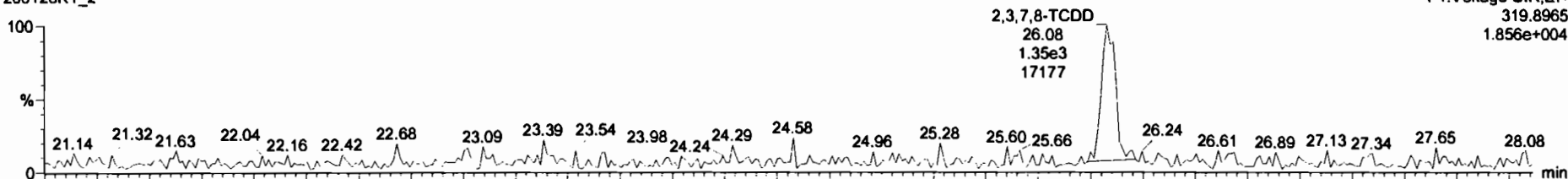
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2,3,7,8-TCDD

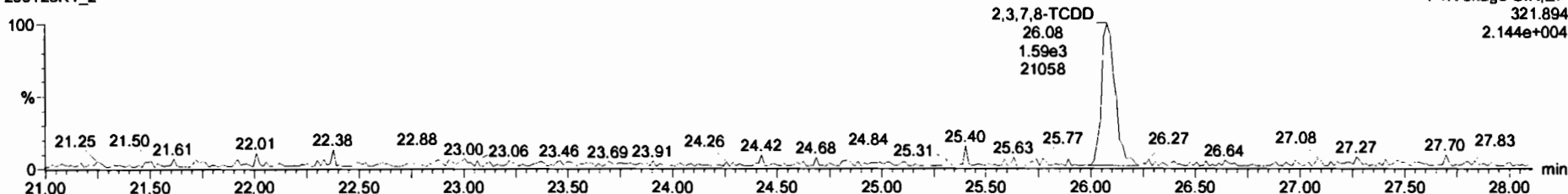
200128K1_2

F1: Voltage SIR, EI+
319.8965
1.856e+004



200128K1_2

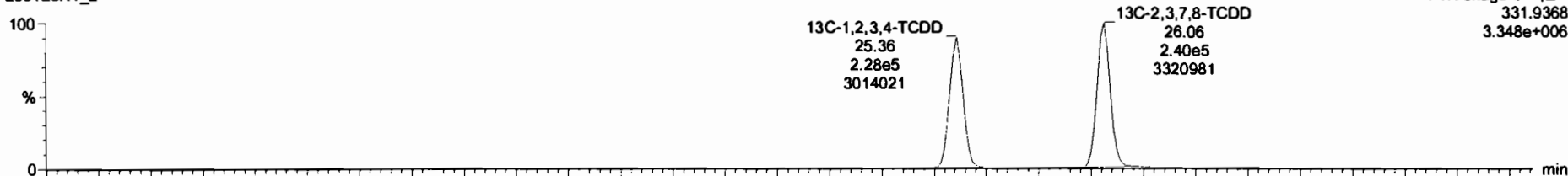
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13C-2,3,7,8-TCDD

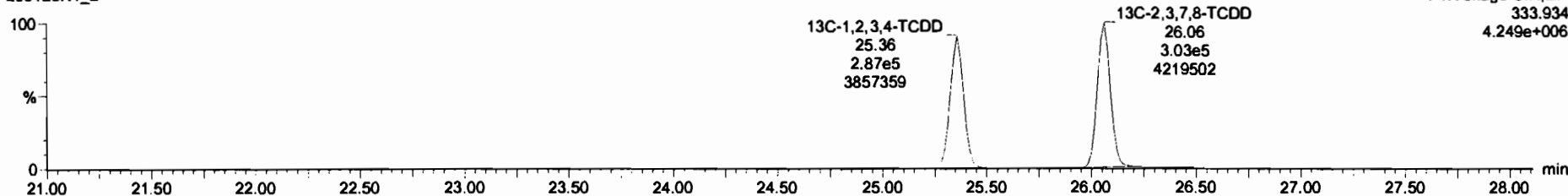
200128K1_2

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331.9368
3.348e+006

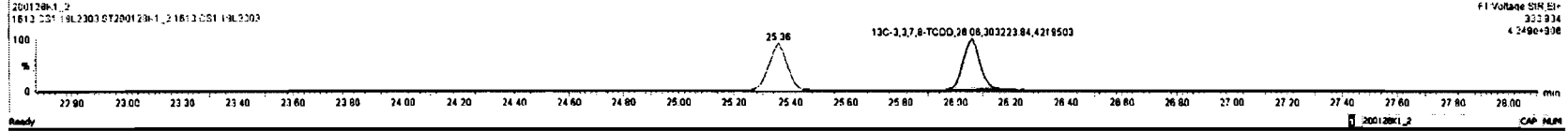
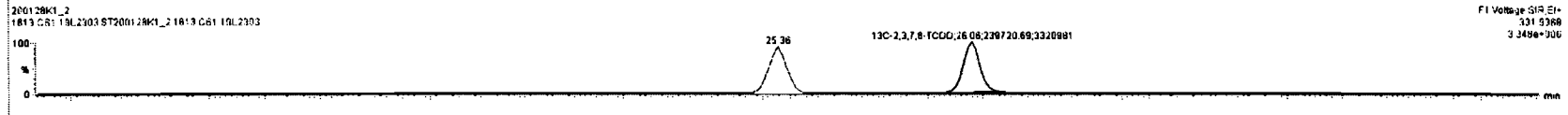
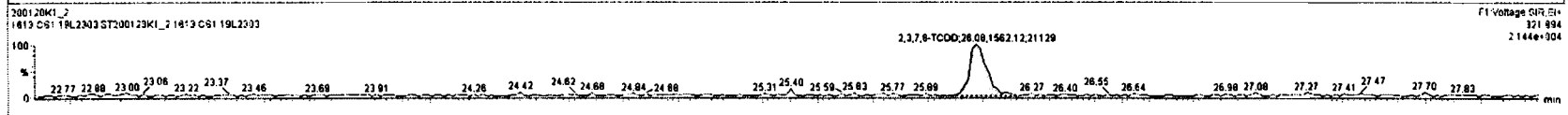
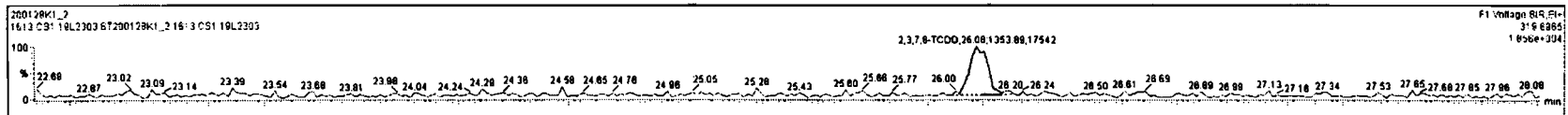


200128K1_2

F1: Voltage SIR, EI+
333.934
4.249e+006



#	Name	Mass	RA	only	RFV	valVol	RT	RRT	Conc.	%Rec	OL	SMPC
29	13C-1,2,3,6,7,8-HxCDF	3.68e5	0.54	NO	1.0000	1.000	33.83	0.982	84.4	84.4	0.474	
30	13C-2,3,4,6,7,8-HxCDF	3.44e5	0.54	NO	0.9836	1.000	34.41	1.028	87.6	87.6	0.527	
31	13C-1,2,3,7,8,9-HxCDF	2.79e5	0.53	NO	0.7804	1.000	35.28	1.035	87.5	87.5	0.658	
32	13C-1,2,3,4,6,7,8-HxCDF	2.44e5	0.45	NO	0.7325	1.000	37.01	1.065	83.3	83.3	0.444	
33	13C-1,2,3,4,7,8,9-HxCDF	1.81e5	0.43	NO	0.4287	1.000	38.05	1.145	87.8	87.8	0.708	
34	13C-OCDF	3.22e5	0.91	NO	0.5003	1.000	41.86	1.227	181	80.6	0.522	
35	13C-2,3,7,8-TCDD	3.13e3			1.1244	1.000	26.08	1.028	0.540	108	0.0280	
36	13C-1,2,3,4-TCDD	5.15e5	0.80	NO	1.0000	1.000	25.38	1.000	100	100	0.273	
37	13C-1,2,3,4-TCDF	8.05e5	0.78	NO	1.0000	1.000	23.45	1.000	100	100	0.438	
38	13C-1,2,3,4,6,8-HxCDF	3.89e5	0.53	NO	1.0000	1.000	34.10	1.000	100	100	0.519	
39	Total Tetra-Dioxins				0.8431	1.000		0.888		0.8774	0.888	
40	Total Penta-Dioxins				0.8874	1.000		2.84		0.6585	2.84	
41	Total Hexa-Dioxins				1.0085	1.000		7.75		0.100	7.75	
42	Total Hepta-Dioxins				1.0822	1.000		2.63		0.111	2.63	
43	Total Tetra-Furans				0.8700	1.000		0.555		0.0402	0.555	
44	1st Func. Penta-Furans				0.8590	1.000				0.0108		
45	Total Penta-Furans				0.8590	1.000		5.08		0.0258	5.08	
46	Total Hexa-Furans				1.2131	1.000		10.4		0.0788	10.4	
47	Total Hepta-Furans				1.1881	1.000		5.13		0.0845	5.13	



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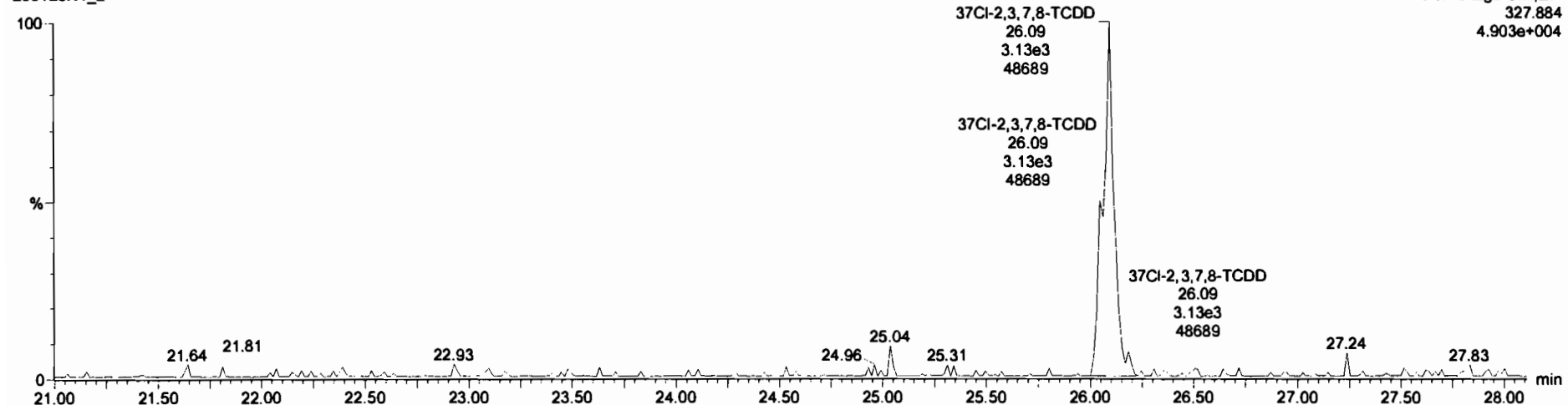
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Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

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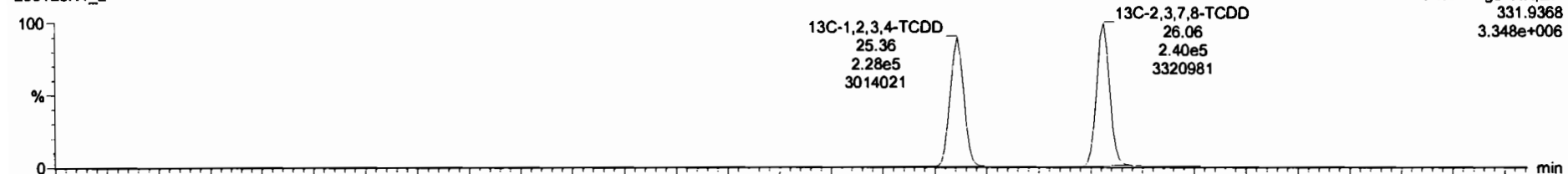
37Cl-2,3,7,8-TCDD

200128K1_2

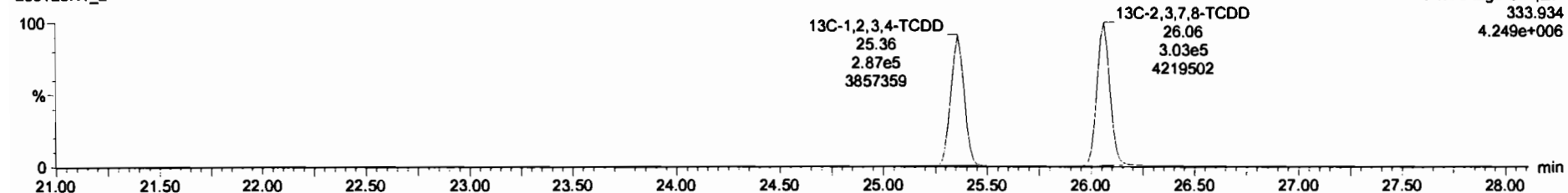


13C-1,2,3,4-TCDD

200128K1_2



200128K1_2



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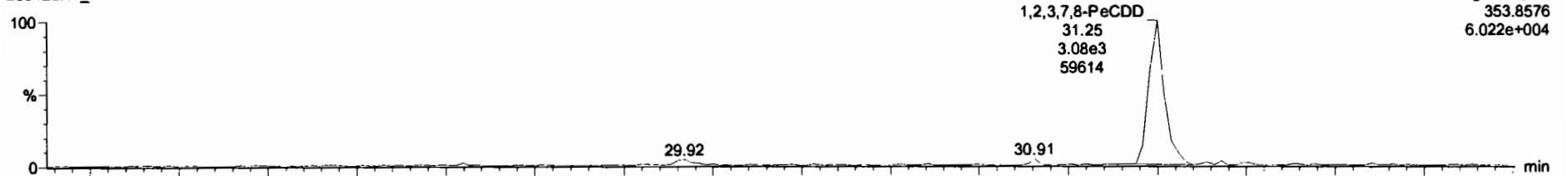
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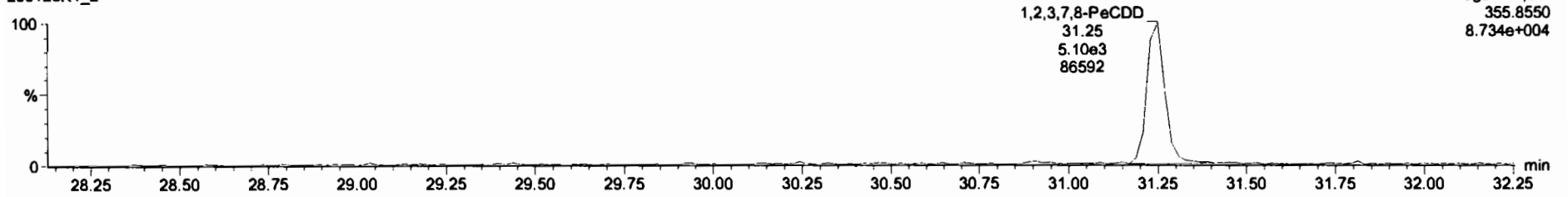
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1,2,3,7,8-PeCDD

200128K1_2

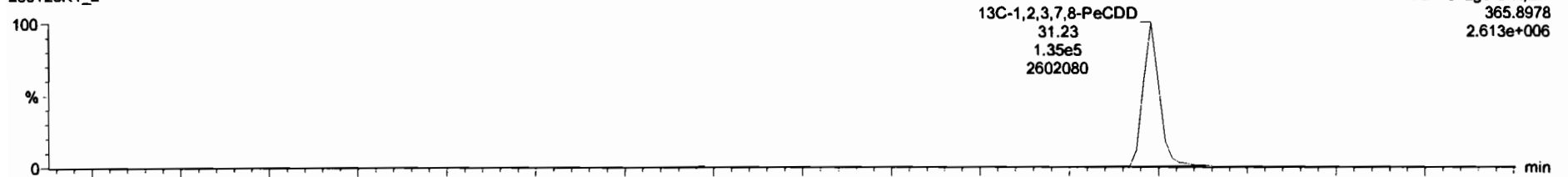


200128K1_2

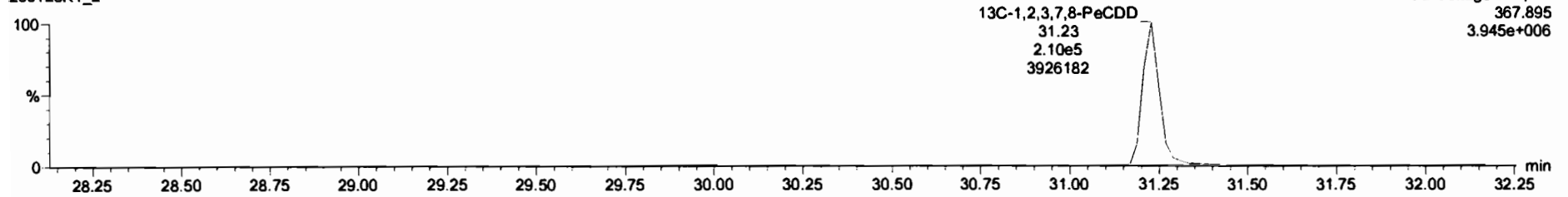


13C-1,2,3,7,8-PeCDD

200128K1_2



200128K1_2



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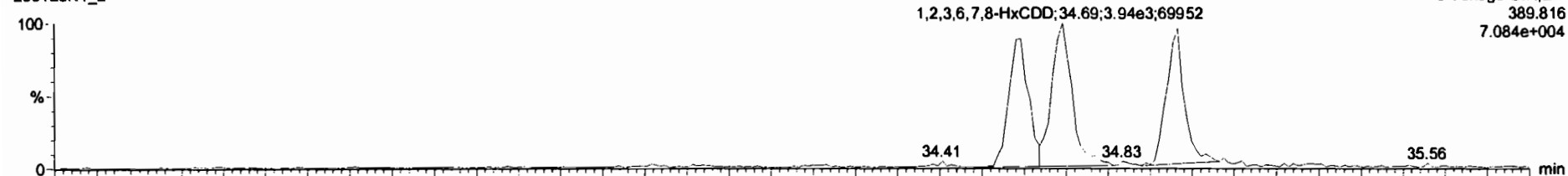
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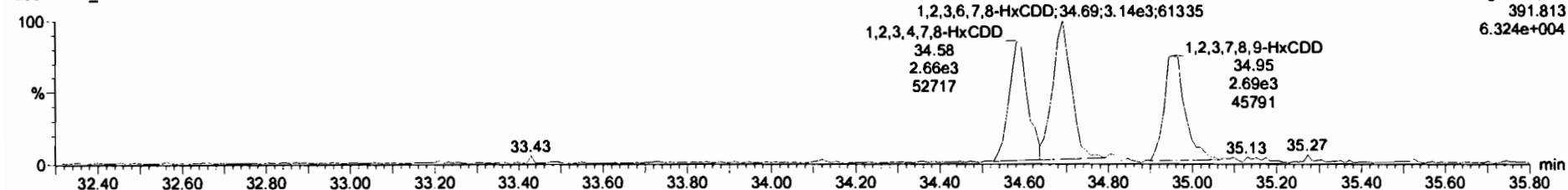
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1,2,3,4,7,8-HxCDD

200128K1_2

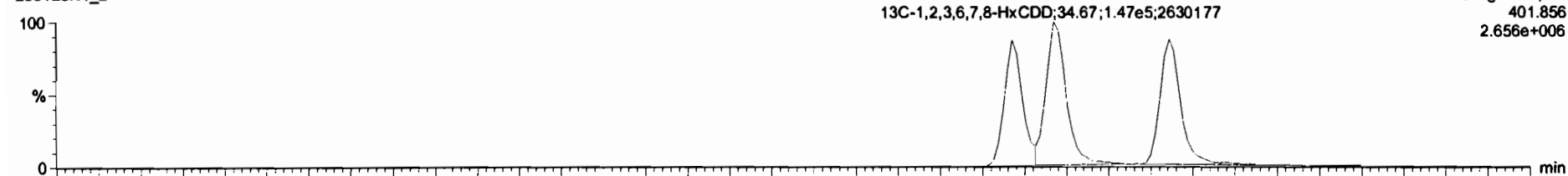


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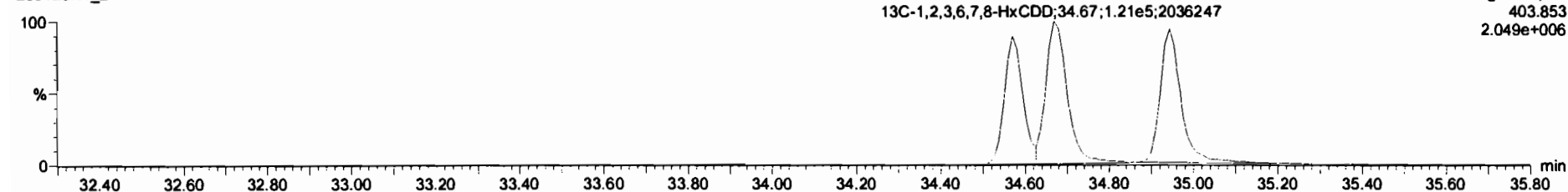


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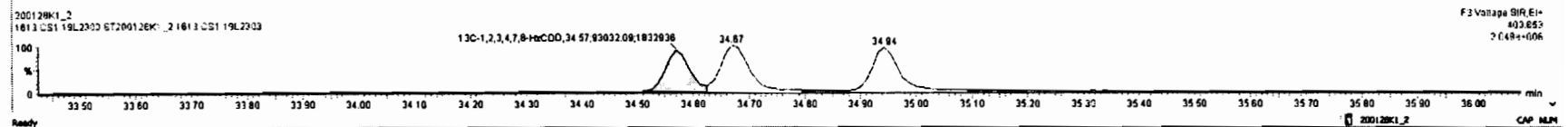
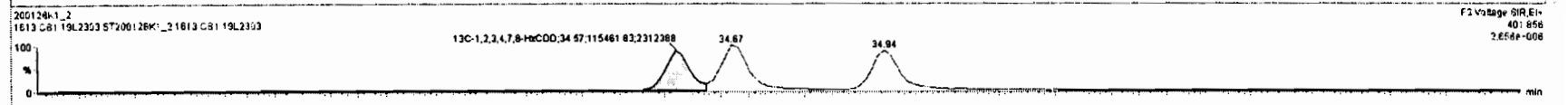
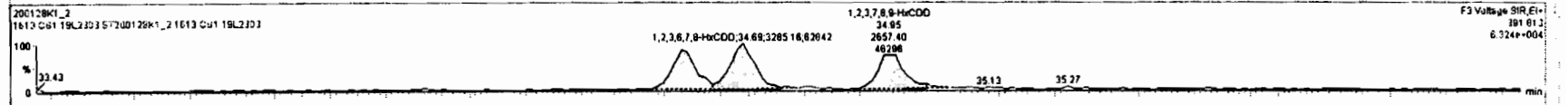
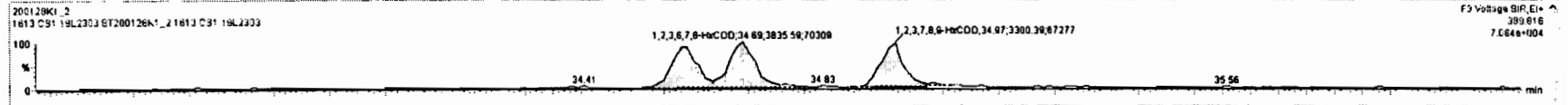
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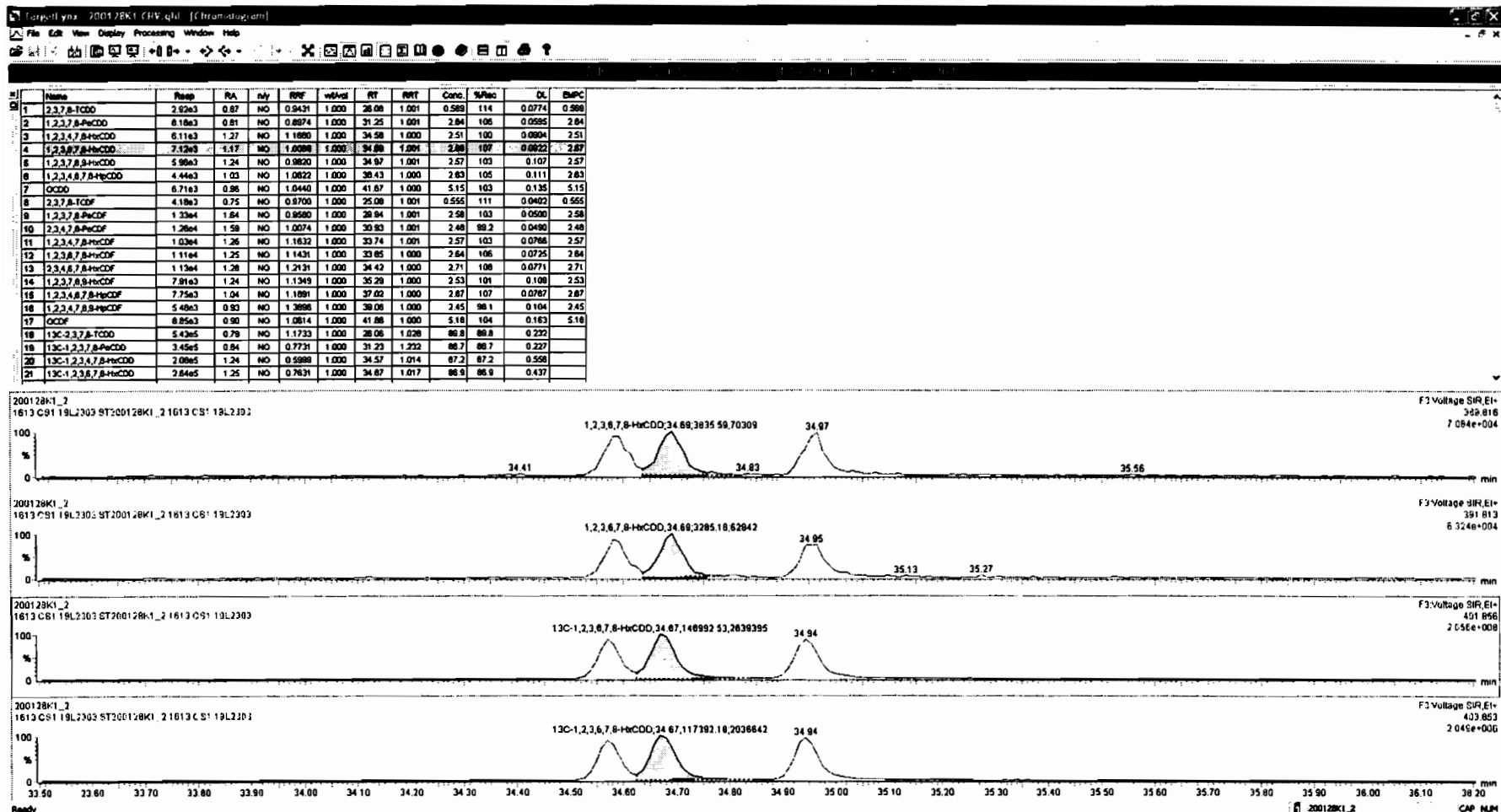


200128K1_2



#	Name	Mass	RA	Qty	RFI	WtWt	RT	RRT	Conc.	%Acc	DL	BWPC
29	13C-1,2,3,6,7,8-HxCDF	368e5	0.54	NO	1.0638	1.000	33.83	0.982	84.4	84.4	0.474	
30	13C-2,3,4,6,7,8-HxCDF	344e5	0.54	NO	0.9838	1.000	34.41	1.009	87.8	87.8	0.527	
31	13C-1,2,3,7,8,9-HxCDF	278e5	0.53	NO	0.7904	1.000	35.28	1.035	87.5	87.5	0.658	
32	13C-1,2,3,4,6,7,8-HpCDF	244e5	0.45	NO	0.7335	1.000	37.01	1.085	83.3	83.3	0.444	
33	13C-1,2,3,4,7,8,9-HpCDF	181e5	0.43	NO	0.4587	1.000	38.05	1.145	87.9	87.9	0.709	
34	13C-OCDF	322e5	0.91	NO	0.5003	1.000	41.86	1.227	181	80.8	0.502	
35	27O-2,3,7,8-TCDD	313e3			1.1244	1.000	26.08	1.028	0.540	108	0.0280	
36	13C-1,2,3,4-TCDD	515e5	0.80	NO	1.0000	1.000	25.38	1.000	100	100	0.273	
37	13C-1,2,3,4-TCDF	805e5	0.78	NO	1.0000	1.000	23.45	1.000	100	100	0.428	
38	13C-1,2,3,4,6,8-HxCDF	398e5	0.53	NO	1.0000	1.000	34.10	1.000	100	100	0.518	
39	Total Tetra-Dioxins				0.9431	1.000			0.589		0.0774	0.589
40	Total Penta-Dioxins				0.8974	1.000			2.84		0.0595	2.84
41	Total Hexa-Dioxins				1.0086	1.000			7.75		0.180	7.75
42	Total Hepta-Dioxins				1.0622	1.000			2.82		0.111	2.82
43	Total Tetra-Furans				0.8700	1.000			0.555		0.0452	0.555
44	1st Func. Penta-Furans				0.9580	1.000					0.0108	
45	Total Penta-Furans								5.08		0.0808	5.08
46	Total Hexa-Furans				1.2131	1.000			10.4		0.0786	10.4
47	Total Hepta-Furans				1.1881	1.000			5.13		0.0946	5.13
48	PFK1											
49	PFK2											





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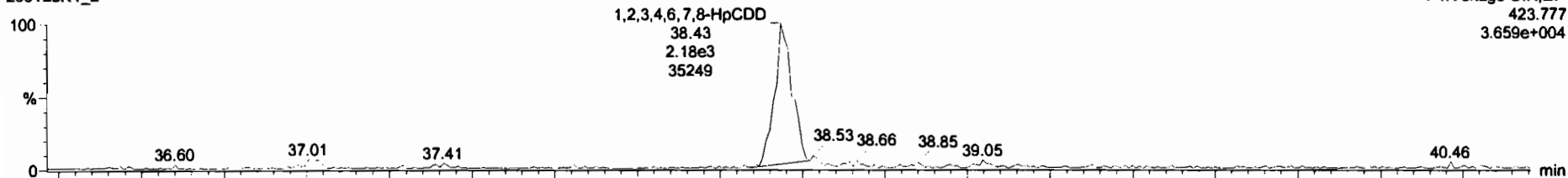
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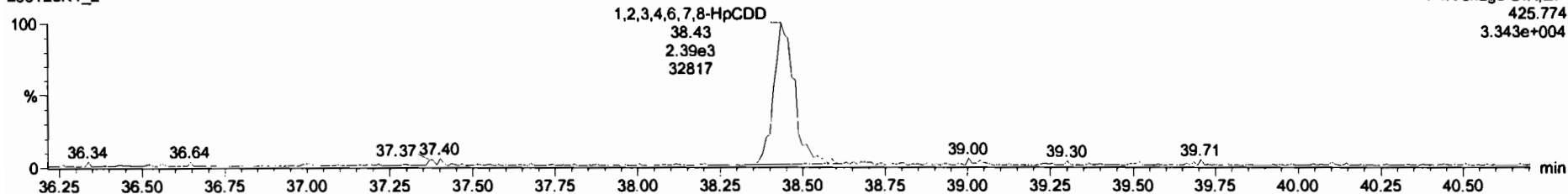
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1,2,3,4,6,7,8-HpCDD

200128K1_2

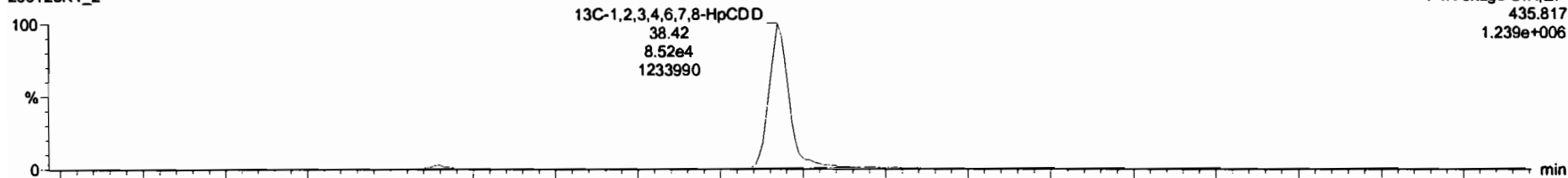


200128K1_2

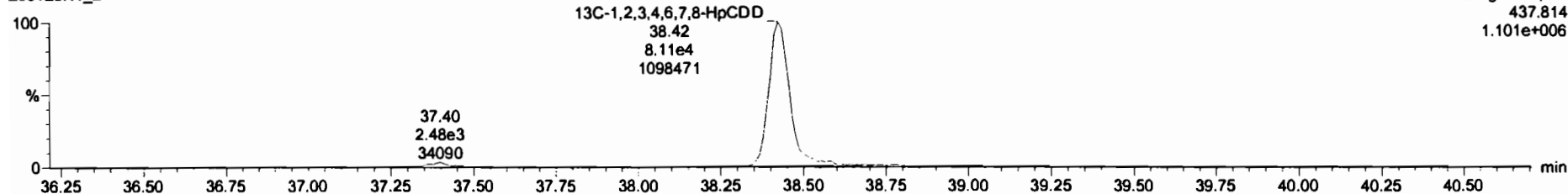


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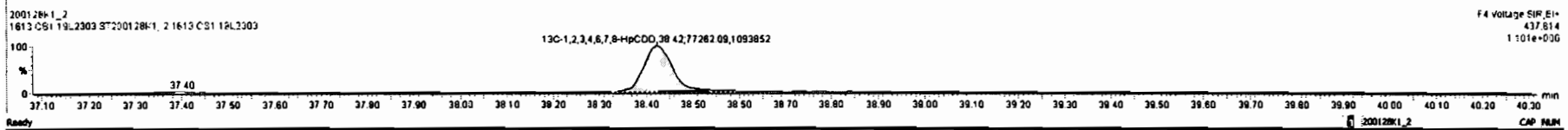
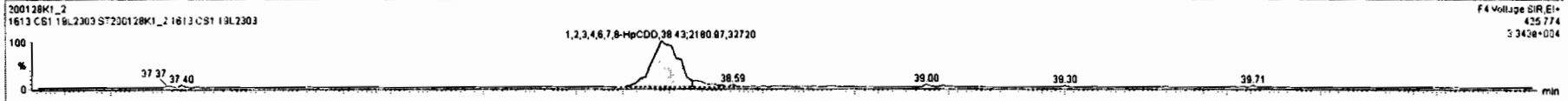
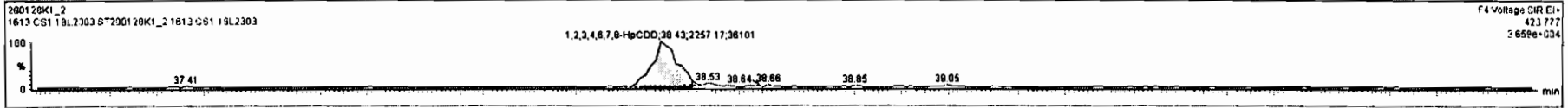
200128K1_2



200128K1_2



Name	Resp	RA	iny	RRF	wt-wei	RT	RRT	Conc.	%Rec	DL	RPIC
29 13C-1,2,3,6,7,8-HpCDF	3.88e5	0.54	NO	1.0938	1.000	33.83	0.992	84.4	84.4	0.474	
30 13C-2,3,4,6,7,8-HpCDF	3.44e5	0.54	NO	0.9836	1.000	34.41	1.008	87.6	87.6	0.527	
31 13C-1,2,3,7,8,9-HpCDF	2.78e5	0.53	NO	0.7904	1.000	35.28	1.035	87.5	87.5	0.666	
32 13C-1,2,3,4,6,7,8-HpCDF	2.44e5	0.45	NO	0.7335	1.000	37.01	1.085	83.3	83.3	0.444	
33 13C-1,2,3,4,7,8,9-HpCDF	1.81e5	0.43	NO	0.4587	1.000	38.05	1.145	87.9	87.9	0.709	
34 13C-OCDF	3.22e5	0.91	NO	0.5003	1.000	41.86	1.227	80.8	80.8	0.502	
35 37Cl-2,3,7,8-TCDD	3.13e3			1.1244	1.000	28.09	1.029	0.540	108	0.0280	
36 13C-1,2,3,4-TCDD	5.15e5	0.80	NO	1.0000	1.000	25.36	1.000	100	100	0.273	
37 13C-1,2,3,4-TCDF	8.05e5	0.79	NO	1.0000	1.000	23.45	1.000	100	100	0.428	
38 13C-1,2,3,4,6,8-HpCDF	3.99e5	0.53	NO	1.0000	1.000	34.10	1.000	100	100	0.518	
39 Total Tetra-Dioxins				0.9431	1.000			0.589		0.0774	0.589
40 Total Penta-Dioxins				0.8974	1.000			2.84		0.0595	2.84
41 Total Hexa-Dioxins				1.0068	1.000			7.75		0.100	7.75
42 Total Hepta-Dioxins				1.0822	1.000			2.83		0.111	2.83
43 Total Tetra-Furans				0.9700	1.000			0.555		0.0402	0.555
44 1st Func. Penta-Furans				0.9580	1.000					0.0106	
45 Total Penta-Furans				0.9580	1.000			5.06		0.0508	5.05
46 Total Hexa-Furans				1.2131	1.000			10.4		0.0786	10.4
47 Total Hepta-Furans				1.1891	1.000			5.13		0.0846	5.13
48 PPK1											
49 PPK2											



Dataset: Untitled

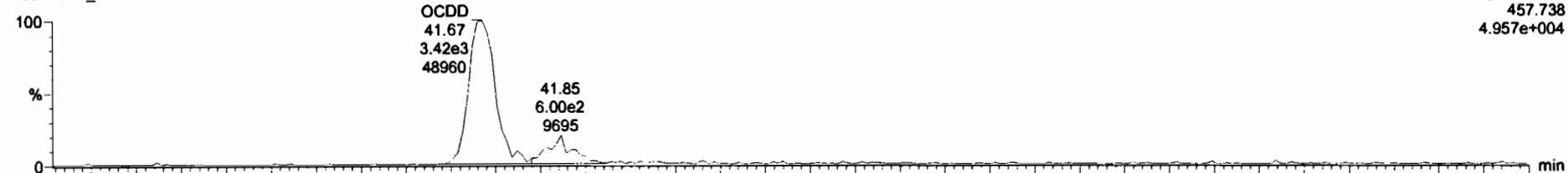
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Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

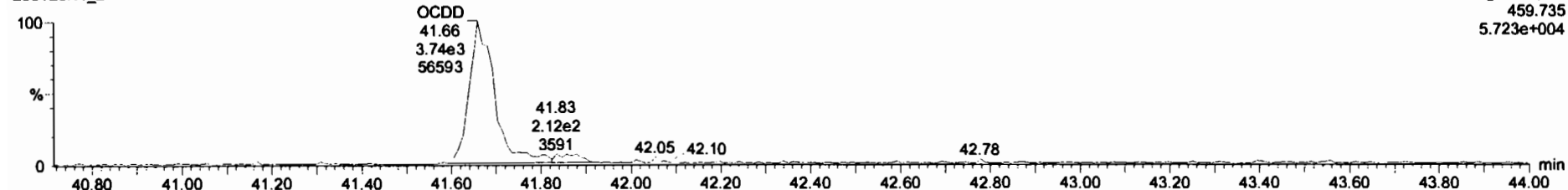
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OCDD

200128K1_2

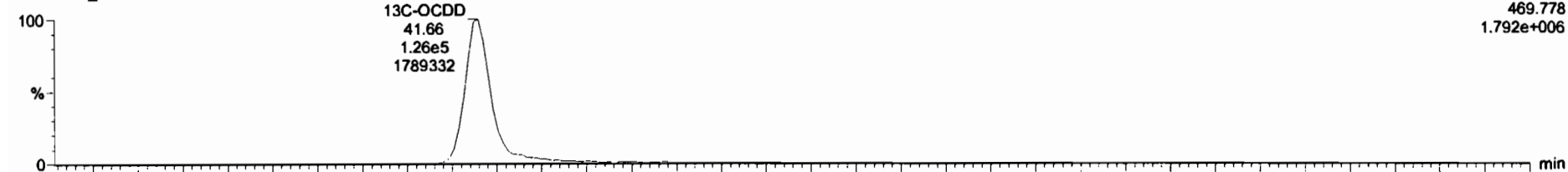


200128K1_2

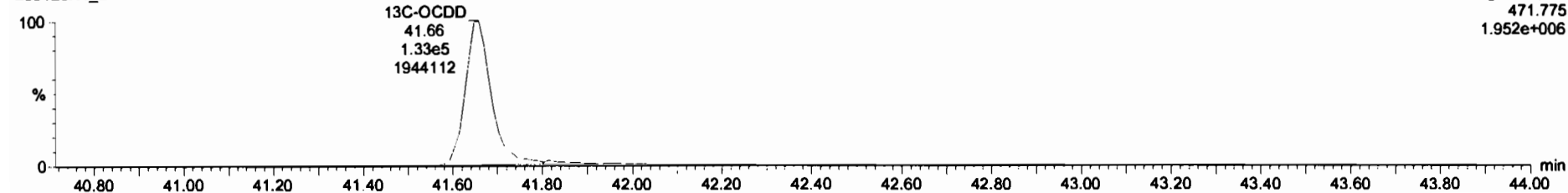


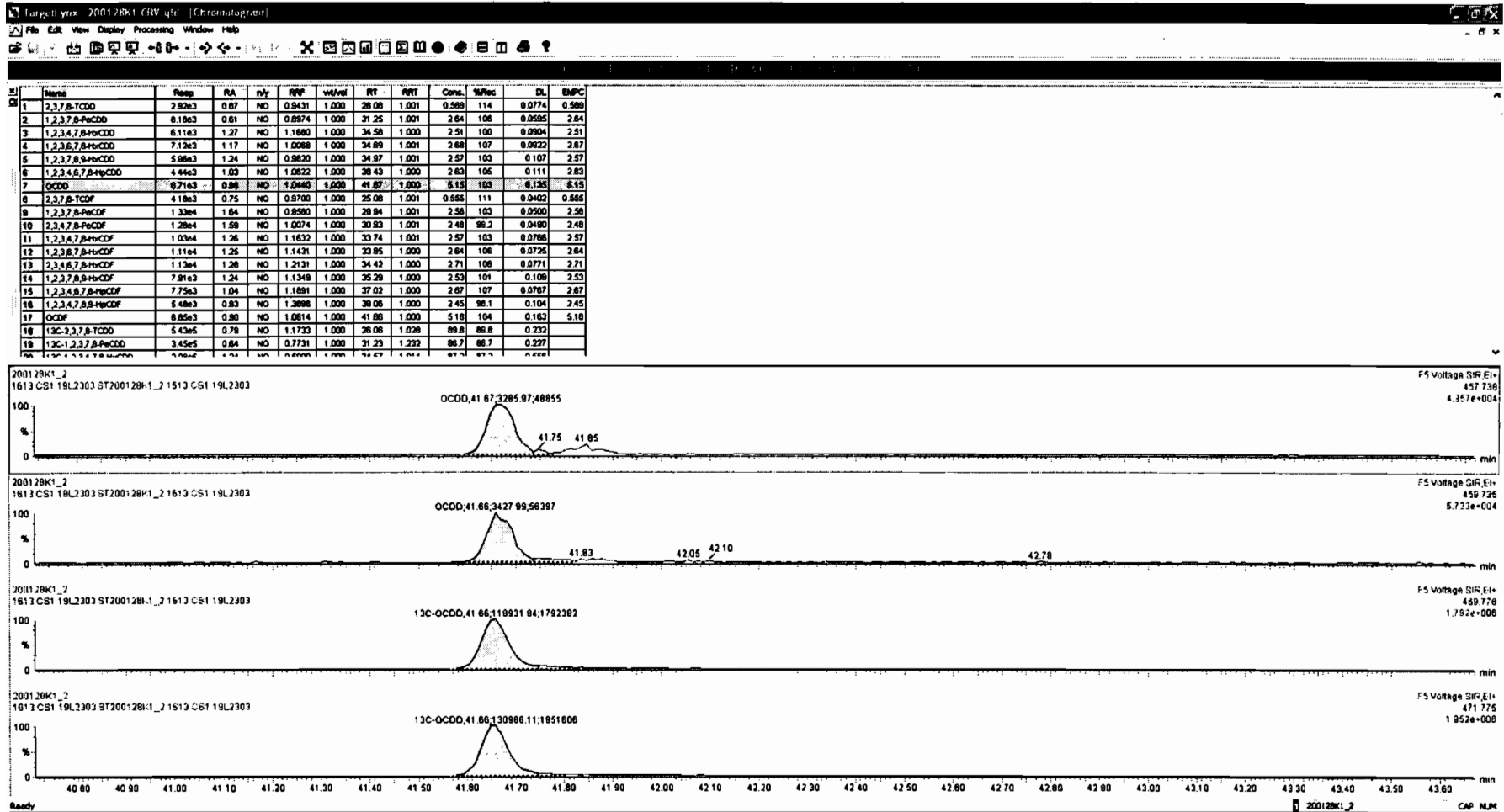
13C-OCDD

200128K1_2



200128K1_2





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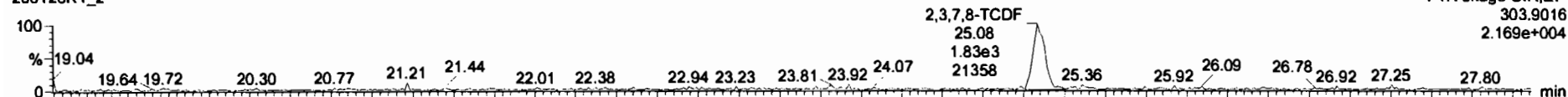
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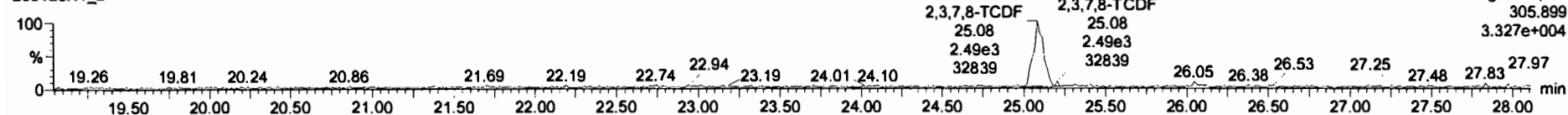
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2,3,7,8-TCDF

200128K1_2

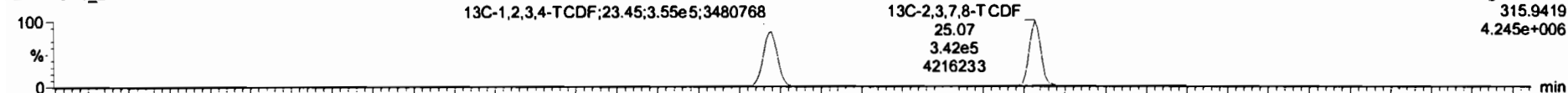


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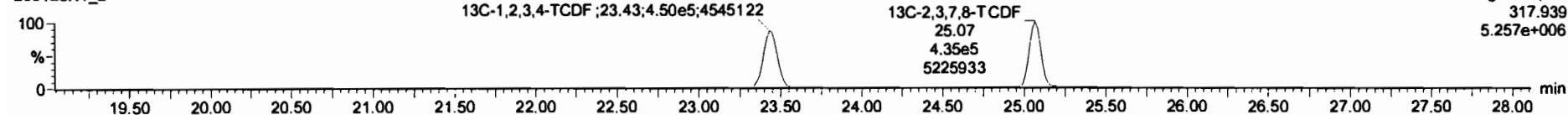


13C-2,3,7,8-TCDF

200128K1_2

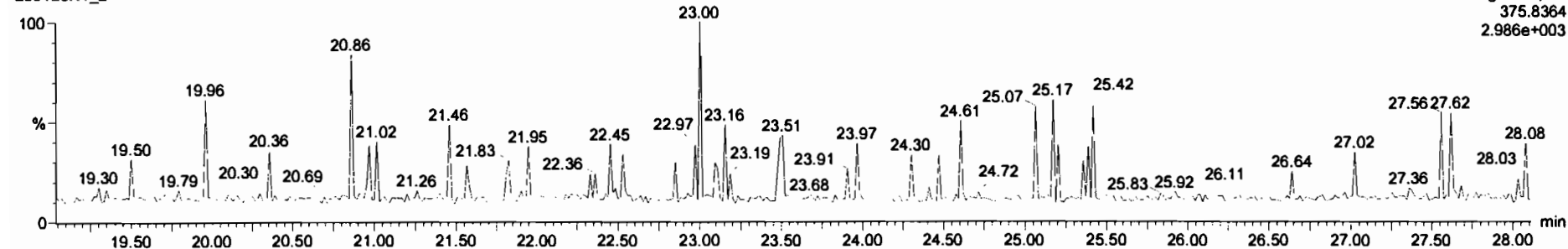


200128K1_2

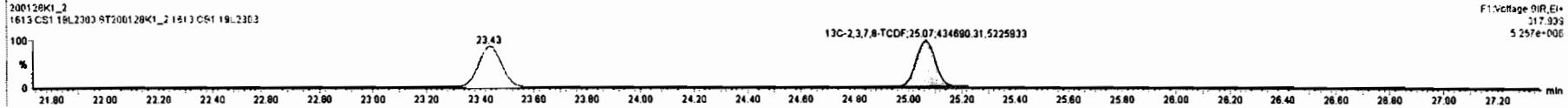
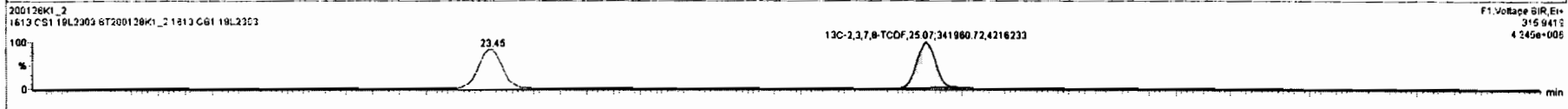
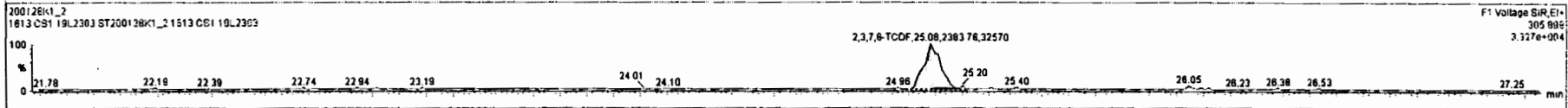
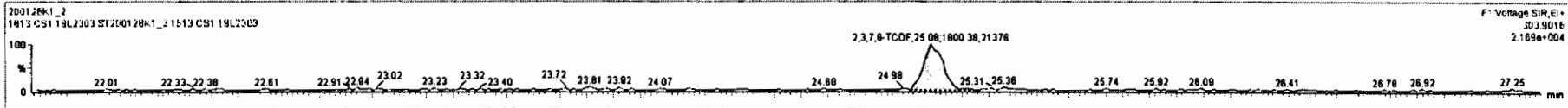


DPE1

200128K1_2



#	Name	Resp	RA	n/y	RF	wbwt	RT	RRT	Conc.	%Rec	DL	MPC
29	13C-1,2,3,6,7,8-HxCDF	3.88e5	0.54	NO	1.0038	1.000	33.83	0.982	84.4	84.4	0.474	
30	13C-2,3,4,6,7,8-HxCDF	3.44e5	0.54	NO	0.9838	1.000	34.41	1.009	87.6	87.6	0.527	
31	13C-1,2,3,7,8,9-HxCDF	2.78e5	0.53	NO	0.7904	1.000	35.26	1.035	87.5	87.5	0.656	
32	13C-1,2,3,4,6,7,8-HpCDF	2.44e5	0.45	NO	0.7335	1.000	37.01	1.085	83.3	83.3	0.444	
33	13C-1,2,3,4,7,8,9-HpCDF	1.81e5	0.43	NO	0.4587	1.000	39.05	1.145	87.9	87.9	0.708	
34	13C-OCDF	3.22e5	0.91	NO	0.5003	1.000	41.86	1.227	181	80.6	0.502	
35	37Cl-2,3,7,8-TCDD	3.13e3			1.1244	1.000	26.09	1.029	0.540	108	0.0280	
36	13C-1,2,3,4-TCDD	5.15e5	0.80	NO	1.0000	1.000	25.36	1.000	100	100	0.273	
37	13C-1,2,3,4-TCDF	8.05e5	0.79	NO	1.0000	1.000	23.45	1.000	100	100	0.428	
38	13C-1,2,3,4,6,9-HxCDF	3.98e5	0.52	NO	1.0000	1.000	34.10	1.000	100	100	0.518	
39	Total Tetra-Dioxins				0.9431	1.000		0.989			0.0774	0.589
40	Total Penta-Dioxins				0.8874	1.000		2.84			0.0595	2.84
41	Total Hexa-Dioxins				1.0088	1.000		7.75			0.100	7.75
42	Total Hepta-Dioxins				1.0822	1.000		2.83			0.111	2.83
43	Total Tetra-Furans				0.8790	1.000		0.595			0.0402	0.595
44	1st Func. Penta-Furans				0.9580	1.000					0.0108	
45	Total Penta-Furans				0.8580	1.000		5.08			0.0508	5.05
46	Total Hexa-Furans				1.2131	1.000		10.4			0.0788	10.4
47	Total Hepta-Furans				1.1891	1.000		5.13			0.0648	5.13
48	PPK1											
49	PPK2											



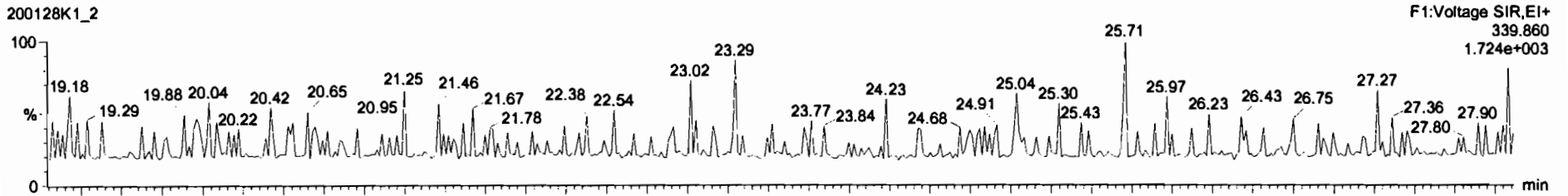
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Last Altered: Wednesday, January 29, 2020 07:48:32 Pacific Standard Time
Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

Name: 200128K1_2, Date: 28-Jan-2020, Time: 12:57:23, ID: ST200128K1_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

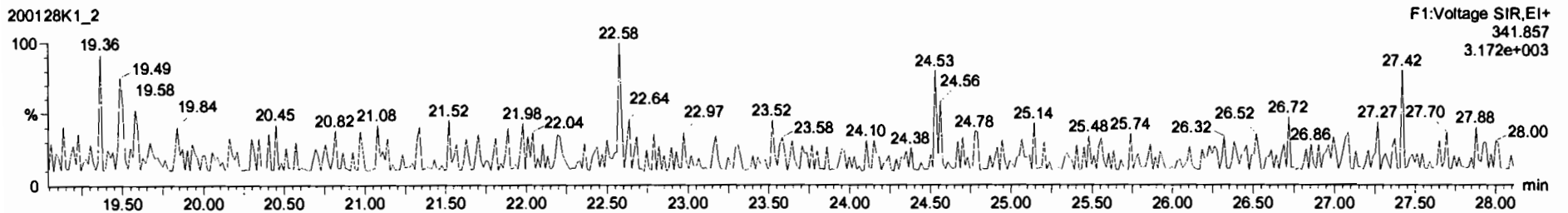
1st Func. Penta-Furans

200128K1_2



F1:Voltage SIR,EI+
339.860
1.724e+003

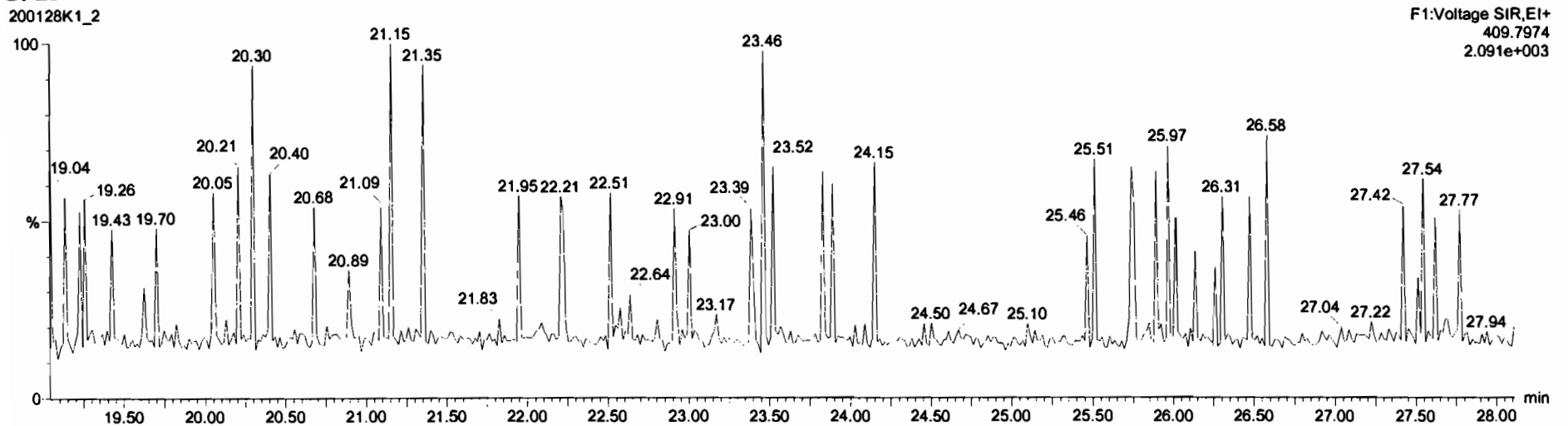
200128K1_2



F1:Voltage SIR,EI+
341.857
3.172e+003

DPE6

200128K1_2



F1:Voltage SIR,EI+
409.7974
2.091e+003

Dataset: Untitled

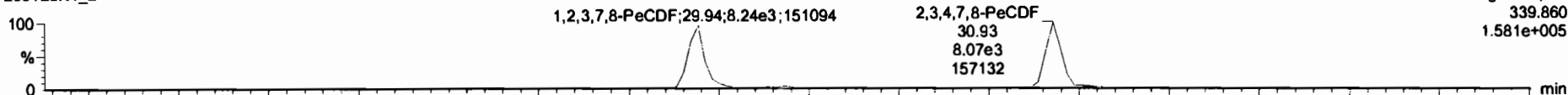
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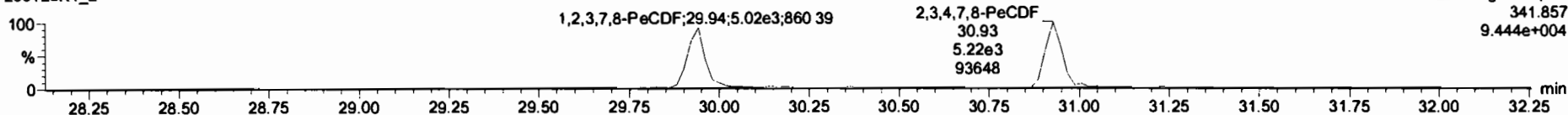
Name: 200128K1_2, Date: 28-Jan-2020, Time: 12:57:23, ID: ST200128K1_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

1,2,3,7,8-PeCDF

200128K1_2

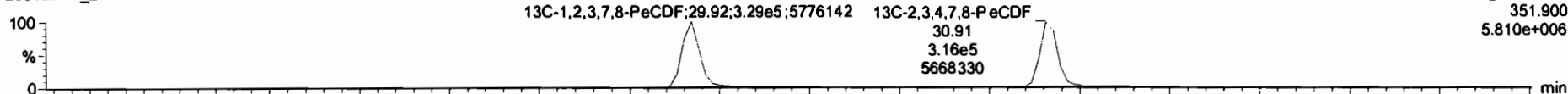


200128K1_2

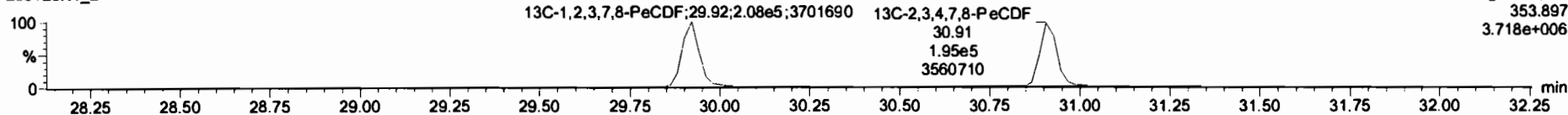


13C-1,2,3,7,8-PeCDF

200128K1_2

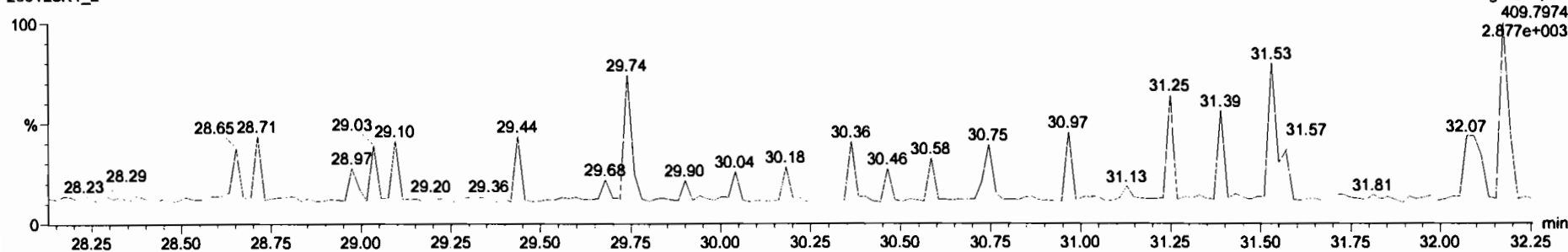


200128K1_2

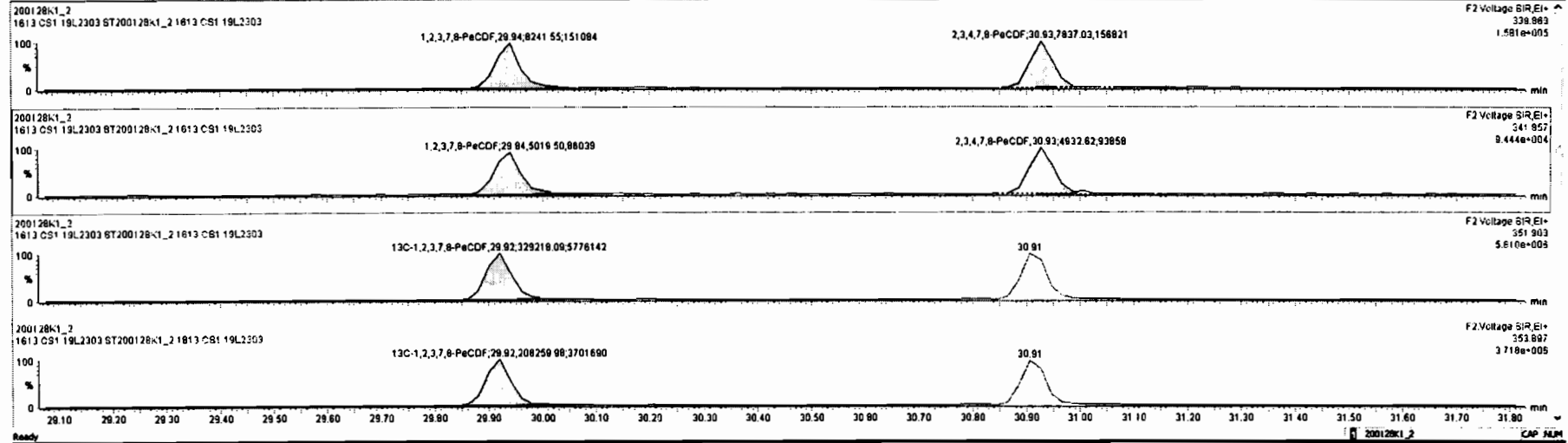


DPE2

200128K1_2



#	Name	Resp	RA	nly	RP	Wtval	RT	RRT	Conc	%Rec	DL	BWPC
28	13C-1,2,3,7,8-HxCDF	3.88e5	0.54	NO	1.0038	1.000	33.83	0.992	94.4	94.4	0.474	
30	13C-2,3,4,6,7,8-HxCDF	3.44e5	0.54	NO	0.9836	1.000	34.41	1.009	87.6	87.6	0.527	
31	13C-1,2,3,7,8-HxCDF	2.76e5	0.53	NO	0.7804	1.000	35.28	1.035	87.5	87.5	0.856	
32	13C-1,2,3,4,6,7,8-HxCDF	2.44e5	0.45	NO	0.7335	1.000	37.01	1.085	83.3	83.3	0.444	
33	13C-1,2,3,4,7,8-HxCDF	1.61e5	0.43	NO	0.4587	1.000	38.05	1.145	87.9	87.9	0.709	
34	13C-OCDF	3.22e5	0.91	NO	0.5000	1.000	41.86	1.227	161	80.8	0.502	
35	37Cl-2,3,7,8-TCDF	3.13e3			1.1244	1.000	28.08	1.029	0.540	108	0.0260	
36	13C-1,2,3,4-TCDF	5.15e5	0.80	NO	1.0000	1.000	25.38	1.000	100	100	0.273	
37	13C-1,2,3,4-TCDF	8.05e5	0.78	NO	1.0000	1.000	23.45	1.000	100	100	0.428	
38	13C-1,2,3,4,8-HxCDF	3.98e5	0.53	NO	1.0000	1.000	34.10	1.000	100	100	0.519	
39	Total Tetra-Dioxins				0.9431	1.000			0.589	0.0774	0.589	
40	Total Penta-Dioxins				0.8874	1.000			2.84	0.0995	2.84	
41	Total Hexa-Dioxins				1.0068	1.000			7.75	0.100	7.75	
42	Total Hepta-Dioxins				1.0622	1.000			2.63	0.111	2.63	
43	Total Tetra-Furans				0.9700	1.000			0.555	0.0402	0.555	
44	1st Func. Penta-Furans				0.9580	1.000				0.0108		
45	Total Penta-Furans				0.9580	1.000			5.08	0.0808	5.08	
46	Total Hexa-Furans				1.2131	1.000			10.4	0.0788	10.4	
47	Total Hepta-Furans				1.1891	1.000			5.13	0.0948	5.13	
48	PFK1											
49	PFK2											



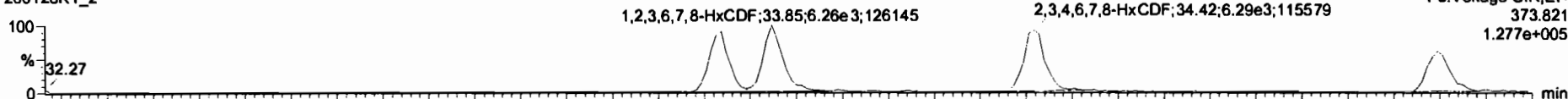
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Last Altered: Wednesday, January 29, 2020 07:48:32 Pacific Standard Time
Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

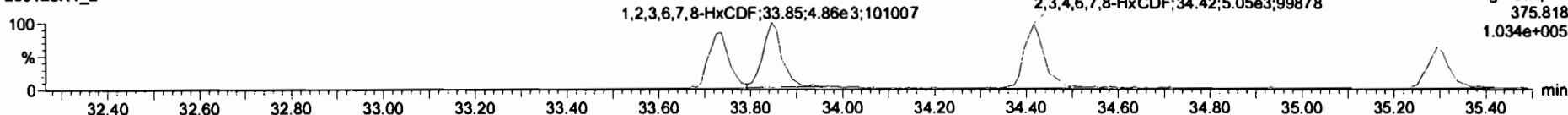
Name: 200128K1_2, Date: 28-Jan-2020, Time: 12:57:23, ID: ST200128K1_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

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

200128K1_2

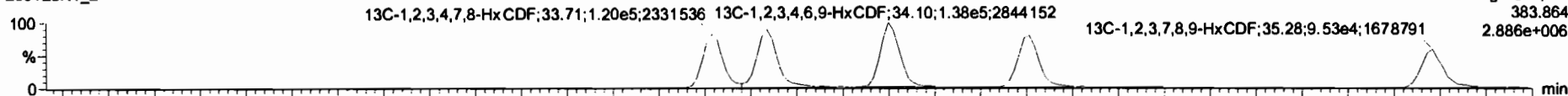


200128K1_2

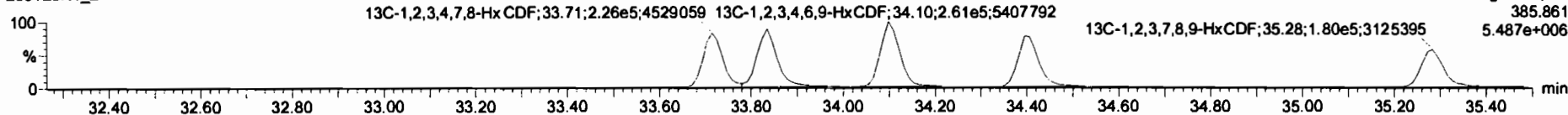


13C-1,2,3,4,7,8-HxCDF

200128K1_2

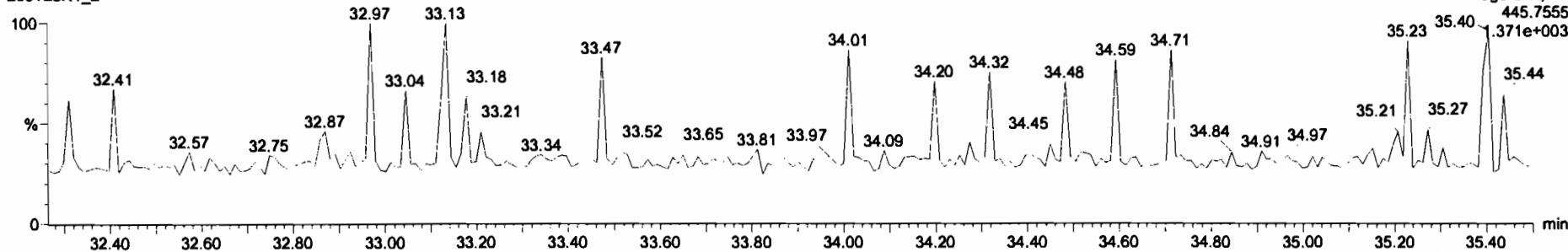


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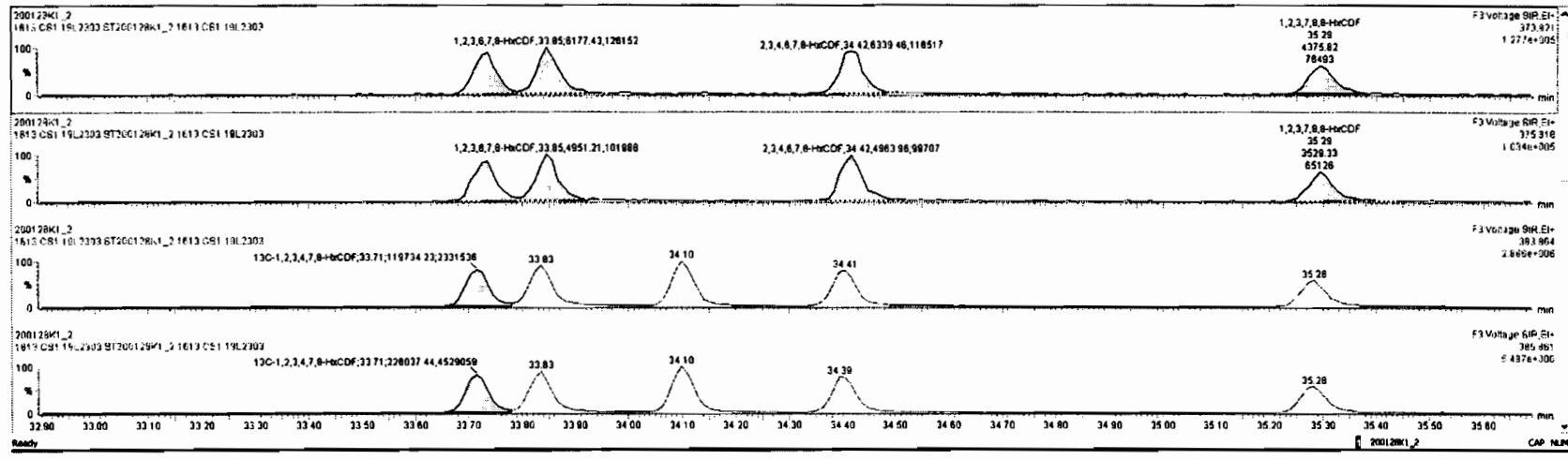


DPE3

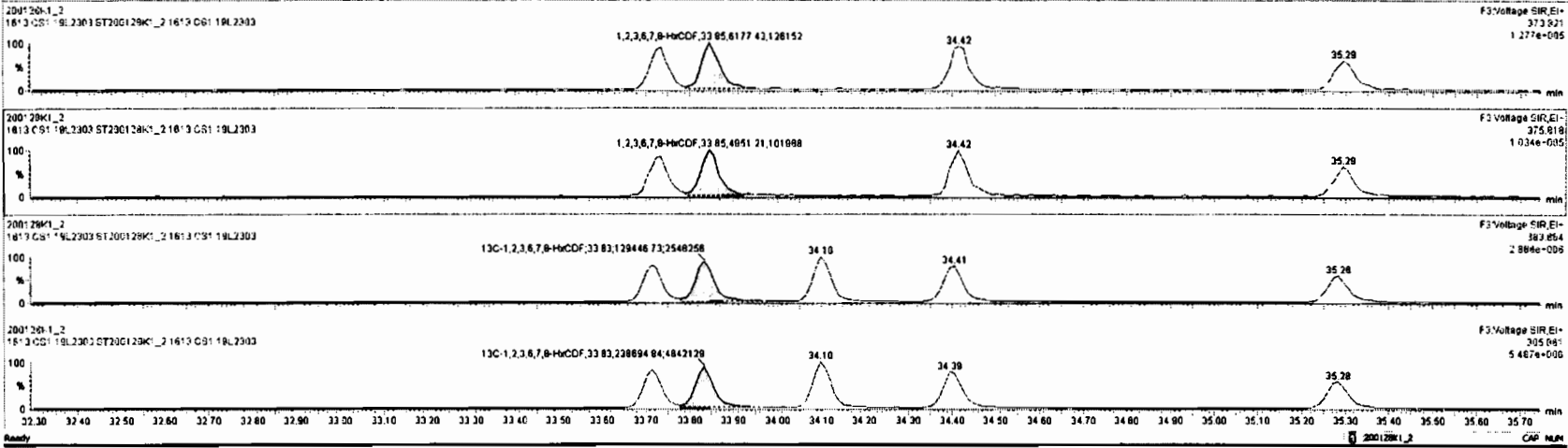
200128K1_2



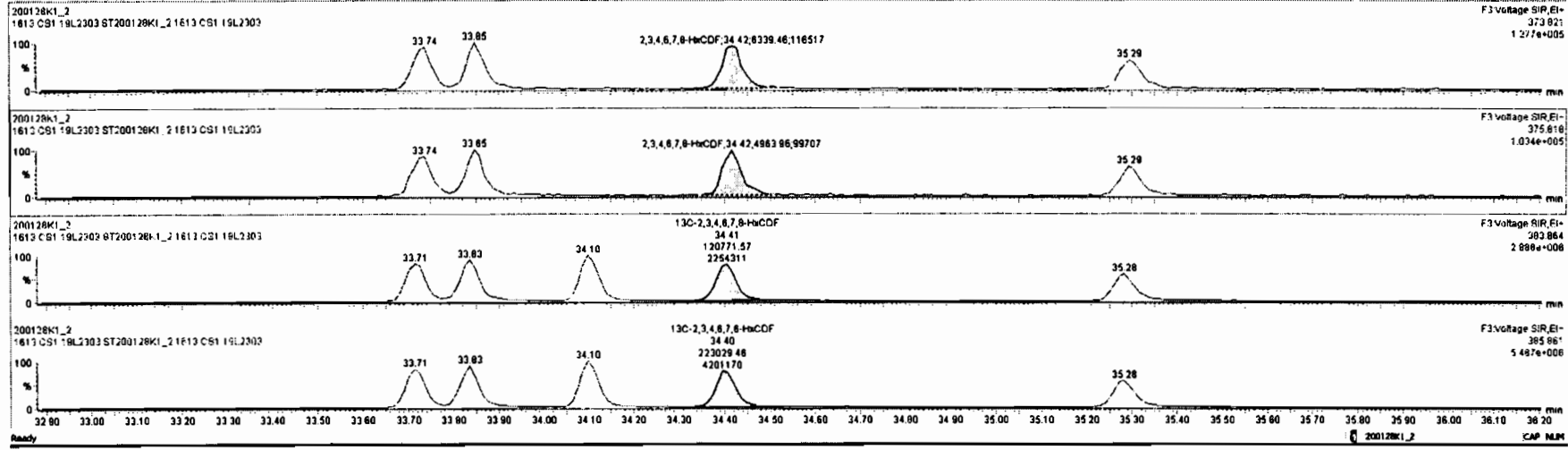
#	Name	Resp	RA	only	RPY	width	RT	RRT	Comp.	%Area	DL	BSPC
29	13C-1,2,3,6,7,8-HxCDF	3.68e5	0.54	NO	1.0030	1.000	33.83	0.882	84.4	84.4	0.474	
30	13C-2,3,4,6,7,8-HxCDF	3.44e5	0.54	NO	0.9838	1.000	34.41	1.008	87.6	87.6	0.527	
31	13C-1,2,3,7,8-HxCDF	2.76e5	0.53	NO	0.7904	1.000	35.28	1.035	87.5	87.5	0.868	
32	13C-1,2,3,4,6,7,8-HpCDF	2.44e5	0.45	NO	0.7335	1.000	37.01	1.085	82.3	82.3	0.444	
33	13C-1,2,3,4,7,8-HpCDF	1.61e5	0.43	NO	0.4587	1.000	39.05	1.145	87.9	87.9	0.709	
34	13C-OCDF	3.22e5	0.91	NO	0.5003	1.000	41.86	1.227	181	80.6	0.502	
35	3PG-3,3',7,8-TCDF	3.13e3			1.1244	1.000	28.09	1.079	0.540	108	0.0280	
36	13C-1,2,3,6,7-OCDF	5.15e5	0.80	NO	1.0000	1.000	25.38	1.000	100	100	0.273	
37	13C-1,2,3,4,7-OCDF	8.09e5	0.78	NO	1.0000	1.000	23.45	1.000	100	100	0.428	
38	13C-1,2,3,4,6,8-HxCDF	3.88e5	0.53	NO	1.0000	1.000	34.10	1.000	100	100	0.518	
39	Total Tetra-Dioxine				0.8431	1.000			0.588		0.0774	0.588
40	Total Penta-Dioxine				0.8674	1.000			2.84		0.0585	2.84
41	Total Hexa-Dioxine				1.0068	1.000			7.75		0.100	7.75
42	Total Hepta-Dioxine				1.0822	1.000			2.63		0.111	2.63
43	Total Tetra-Furane				0.8700	1.000			0.555		0.0452	0.555
44	1st Func. Penta-Furane				0.9580	1.000			5.05		0.0168	5.05
45	Total Penta-Furane				0.9580	1.000			5.05		0.0508	5.05
46	Total Hexa-Furane				1.2131	1.000			90.4		0.0788	90.4
47	Total Hepta-Furane				1.1891	1.000			5.13		0.0848	5.13
48	PFK1											
49	PFK2											



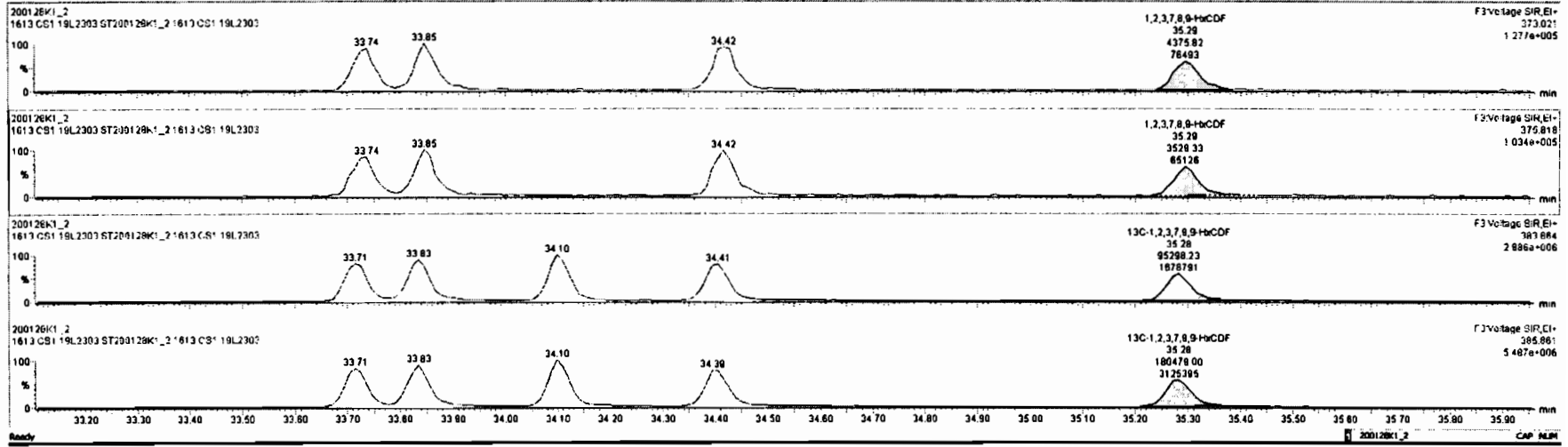
#	Name	Resp	PA	nty	RFV	wAve	RT	RRT	Conc	%Rec	OL	BPFC
1	1,2,3,7-TCDD	2.82e3	0.87	NO	0.9431	1.000	26.08	1.001	0.589	114	0.0774	0.569
2	1,2,3,7,8-PeCDD	8.18e3	0.81	NO	0.9874	1.000	31.25	1.001	2.84	106	0.0595	2.64
3	1,2,3,4,7,8-HxCDD	8.11e3	1.27	NO	1.1803	1.000	34.58	1.000	2.51	100	0.0884	2.51
4	1,2,3,6,7,8-HxCDD	7.12e3	1.17	NO	1.0588	1.000	34.88	1.001	2.88	107	0.0822	2.87
5	1,2,3,7,8,9-HxCDD	5.98e3	1.24	NO	0.9820	1.000	34.97	1.001	2.57	103	0.107	2.57
6	1,2,3,4,6,7,8-HpCDD	4.44e3	1.03	NO	1.0872	1.000	38.43	1.000	2.83	105	0.1111	2.63
7	OCDD	6.71e3	0.98	NO	1.0440	1.000	41.67	1.000	5.15	103	0.135	5.15
8	2,3,7,8-TCDF	4.18e3	0.75	NO	0.9100	1.000	25.08	1.001	0.555	111	0.0402	0.555
9	1,2,3,7,8-PeCDF	1.33e4	1.84	NO	0.9580	1.000	28.94	1.001	2.58	103	0.0600	2.58
10	1,2,3,4,7,8-HxCDF	1.28e4	1.58	NO	1.0074	1.000	30.83	1.001	2.48	88.2	0.0490	2.48
11	1,2,3,4,7,8,9-HpCDF	1.03e4	1.28	NO	1.1832	1.000	33.74	1.001	2.57	103	0.0786	2.57
12	1,2,3,6,7,8-HxCDF	1.31e4	1.26	NO	1.1431	1.000	33.86	1.000	2.84	108	0.0728	2.84
13	2,3,4,6,7,8-HxCDF	1.13e4	1.28	NO	1.2131	1.000	34.42	1.000	2.71	108	0.0771	2.71
14	1,2,3,7,8,9-HpCDF	7.81e3	1.24	NO	1.1348	1.000	35.29	1.000	2.53	101	0.108	2.53
15	1,2,3,4,6,7,8-HpCDF	7.75e3	1.04	NO	1.1801	1.000	37.02	1.000	2.87	107	0.0787	2.87
16	1,2,3,4,7,8,9-HpCDF	5.48e3	0.83	NO	1.2888	1.000	38.08	1.000	2.45	88.1	0.104	2.45
17	OCDF	8.85e3	0.80	NO	1.0814	1.000	41.88	1.000	5.18	104	0.183	5.18
18	13C-1,2,3,7,8-TCDD	3.45e5	0.78	NO	1.1735	1.000	28.08	1.008	88.8	88.8	0.233	
19	13C-1,2,3,7,8-PeCDD	2.45e5	0.84	NO	0.7731	1.000	31.23	1.232	88.7	88.7	0.237	
20	13C-1,2,3,4,7,8-HxCDD	2.08e5	1.24	NO	0.5888	1.000	34.57	1.014	87.2	87.2	0.556	
21	13C-1,2,3,6,7,8-HxCDD	2.84e5	1.28	NO	0.7831	1.000	34.87	1.017	88.9	88.9	0.437	



#	Name	Resp	RA	rv	RF	val	RT	RRT	Conc	WRet	DL	EMPC
1	2,3,7,8-TCDD	2.92e3	0.87	NO	0.9431	1.000	28.08	1.001	0.568	114	0.0774	0.589
2	1,2,3,7,8-PeCDD	8.18e3	0.81	NO	0.8874	1.000	31.25	1.001	2.84	106	0.0995	2.84
3	1,2,3,4,7,8-HxCDD	6.11e3	1.27	NO	1.1880	1.000	34.58	1.000	2.51	100	0.0804	2.51
4	1,2,3,6,7,8-HxCDD	7.12e3	1.17	NO	1.0088	1.000	34.65	1.001	2.88	107	0.0822	2.87
5	1,2,3,7,8-HxCDD	5.98e3	1.24	NO	0.9820	1.000	34.87	1.001	2.57	103	0.107	2.57
6	1,2,3,4,6,7,8-HpCDD	4.44e3	1.03	NO	1.0822	1.000	38.43	1.000	2.83	105	0.111	2.83
7	OCDD	8.71e3	0.98	NO	1.0440	1.000	41.87	1.000	5.15	103	0.135	5.15
8	2,3,7,8-TCDF	4.18e3	0.75	NO	0.9700	1.000	25.08	1.001	0.555	111	0.0402	0.555
9	1,2,3,7,8-PeCDF	1.33e4	1.84	NO	0.8580	1.000	28.94	1.001	2.58	103	0.0500	2.58
10	2,3,4,7,8-HxCDF	1.28e4	1.58	NO	1.0074	1.000	30.83	1.001	2.48	99.2	0.0480	2.48
11	1,2,3,4,7,8-HxCDF	1.03e4	1.26	NO	1.1632	1.000	33.74	1.001	2.57	103	0.0785	2.57
12	1,2,3,6,7,8-HxCDF	1.11e4	1.25	NO	1.1431	1.000	33.85	1.000	2.84	106	0.0725	2.84
13	2,3,4,6,7,8-HxCDF	1.13e4	1.28	NO	1.2131	1.000	36.43	1.000	2.71	109	0.0771	2.71
14	1,2,3,7,8-HxCDF	7.91e3	1.24	NO	1.1348	1.000	35.28	1.000	2.53	101	0.108	2.53
15	1,2,3,6,7,8-HpCDF	7.75e3	1.04	NO	1.1881	1.000	37.02	1.000	2.87	107	0.0787	2.87
16	1,2,3,4,7,8-HpCDF	5.49e3	0.83	NO	1.3888	1.000	38.06	1.000	2.45	98.1	0.104	2.45
17	OCDF	8.85e3	0.80	NO	1.0614	1.000	41.86	1.000	5.18	104	0.183	5.18
18	13C-2,3,7,8-TCDD	5.43e5	0.79	NO	1.1733	1.000	28.08	1.028	89.8	89.8	0.272	
19	13C-1,2,3,7,8-PeCDD	3.45e5	0.84	NO	0.7731	1.000	31.23	1.232	86.7	86.7	0.227	
20	13C-1,2,3,4,7,8-HxCDD	2.08e5	1.24	NO	0.5898	1.000	34.57	1.014	87.2	87.2	0.556	
21	13C-1,2,3,6,7,8-HxCDD	2.84e5	1.25	NO	0.7831	1.000	34.67	1.017	86.9	86.9	0.437	



Sl	Name	Resp	RA	rvy	RPF	WtVol	RT	RRT	Conc	WtPct	DL	EMPC
1	2,3,7,8-TCDD	2.92e3	0.87	NO	0.9431	1.000	26.08	1.001	0.580	114	0.0774	0.589
2	1,2,3,7,8-PeCDD	8.18e3	0.81	NO	0.8974	1.000	31.25	1.001	2.84	108	0.0995	2.84
3	1,2,3,4,7,8-HxCDD	6.11e3	1.27	NO	1.1680	1.000	34.58	1.000	2.51	100	0.0804	2.51
4	1,2,3,6,7,8-HxCDD	7.12e3	1.17	NO	1.0068	1.000	34.88	1.001	2.68	107	0.0872	2.67
5	1,2,3,7,8,9-HxCDD	5.98e3	1.24	NO	0.9820	1.000	34.97	1.001	2.57	100	0.107	2.57
6	1,2,3,4,6,7,8-HpCDD	4.44e3	1.03	NO	1.0622	1.000	36.43	1.000	2.63	105	0.111	2.63
7	OCDD	8.71e3	0.96	NO	1.0440	1.000	41.87	1.000	5.15	103	0.135	5.15
8	2,3,7,8-TCDF	4.18e3	0.75	NO	0.8700	1.000	25.08	1.001	0.555	111	0.0402	0.555
9	1,2,3,7,8-PeCDF	1.33e4	1.64	NO	0.9580	1.000	29.94	1.001	2.38	103	0.0500	2.58
10	2,3,4,7,8-PeCDF	1.28e4	1.59	NO	1.0074	1.000	30.93	1.001	2.48	98.2	0.0480	2.48
11	1,2,3,4,7,8-HxCDF	1.03e4	1.26	NO	1.1632	1.000	33.74	1.001	2.57	103	0.0788	2.57
12	1,2,3,6,7,8-HxCDF	1.11e4	1.25	NO	1.1421	1.000	33.85	1.000	2.84	108	0.0725	2.84
13	2,3,4,6,7,8-HxCDF	1.13e4	1.28	NO	1.2131	1.000	34.42	1.000	2.71	100	0.0771	2.71
14	1,2,3,7,8,9-HxCDF	7.91e3	1.24	NO	1.1348	1.000	35.28	1.000	2.63	101	0.108	2.63
15	1,2,3,4,6,7,8-HpCDF	7.75e3	1.04	NO	1.1891	1.000	37.02	1.000	2.67	107	0.0787	2.67
16	1,2,3,4,7,8,9-HpCDF	5.49e3	0.93	NO	1.2898	1.000	38.08	1.000	2.45	98.1	0.104	2.45
17	OCDF	8.85e3	0.90	NO	1.0614	1.000	41.86	1.000	5.18	104	0.163	5.18
18	13C-2,3,7,8-TCDD	5.43e5	0.79	NO	1.1723	1.000	26.06	1.028	89.8	89.8	0.232	
19	13C-1,2,3,7,8-PeCDD	3.45e5	0.84	NO	0.7721	1.000	31.23	1.232	86.7	86.7	0.227	
20	13C-1,2,3,4,7,8-HxCDD	2.08e5	1.24	NO	0.5889	1.000	34.57	1.014	87.2	87.2	0.558	
21	13C-1,2,3,6,7,8-HxCDD	2.84e5	1.25	NO	0.7621	1.000	34.67	1.017	86.9	86.9	0.437	



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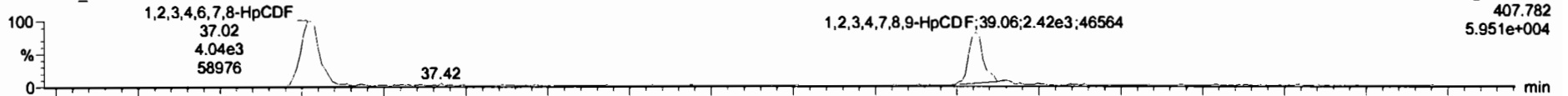
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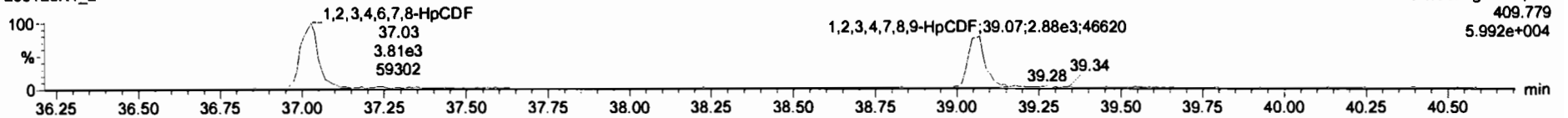
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1,2,3,4,6,7,8-HpCDF

200128K1_2

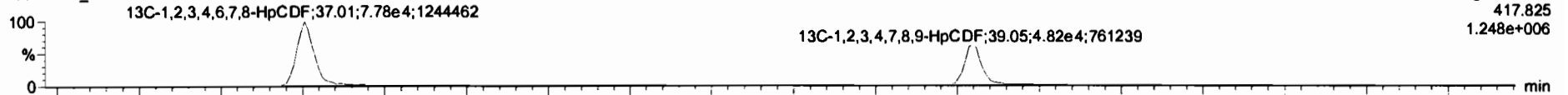


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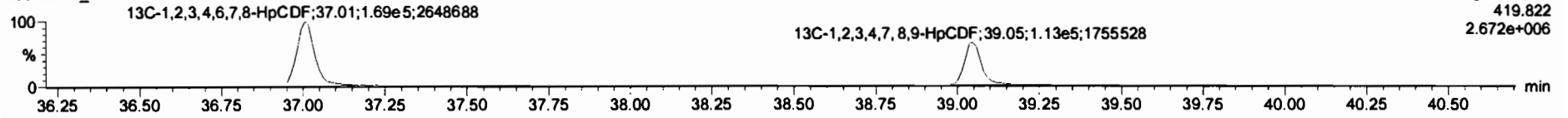


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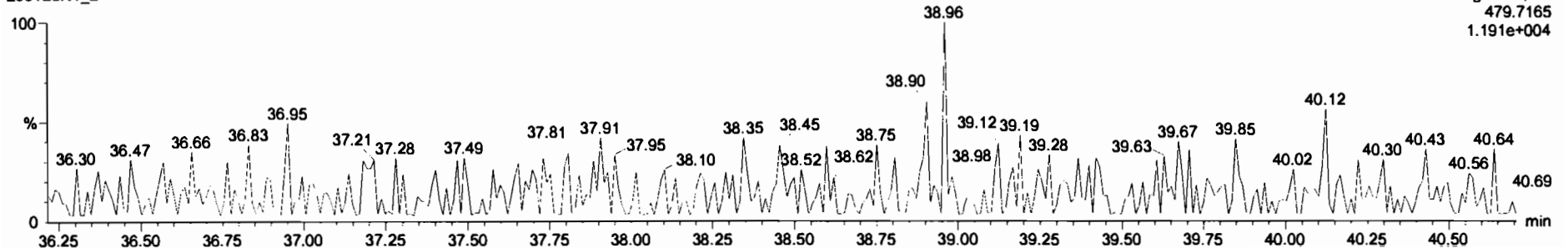


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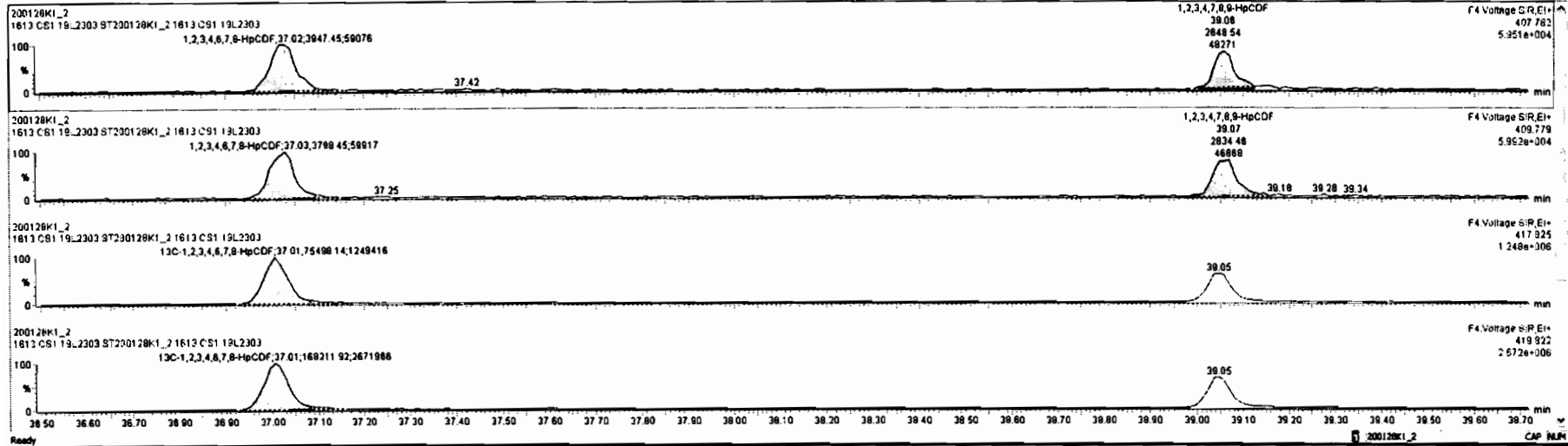


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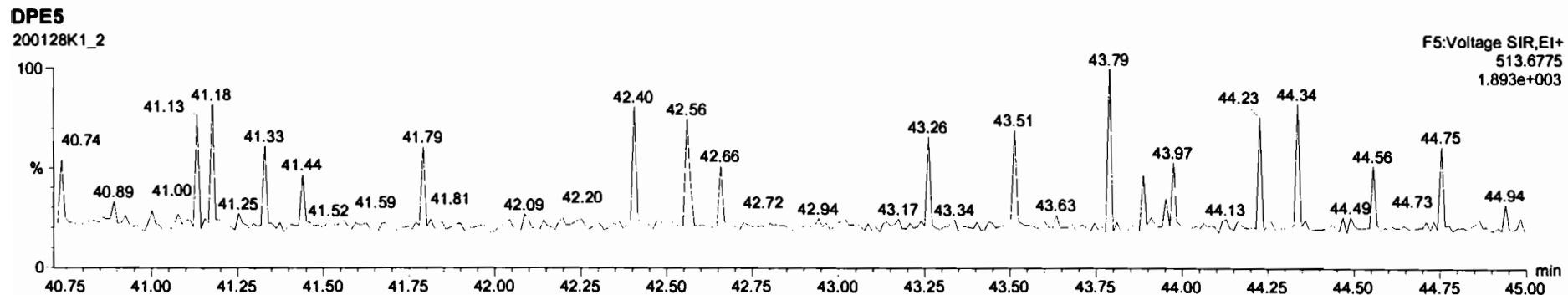
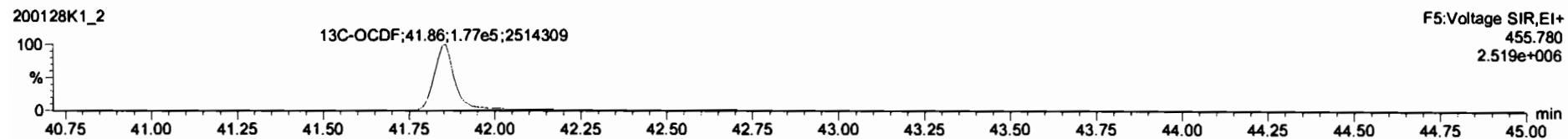
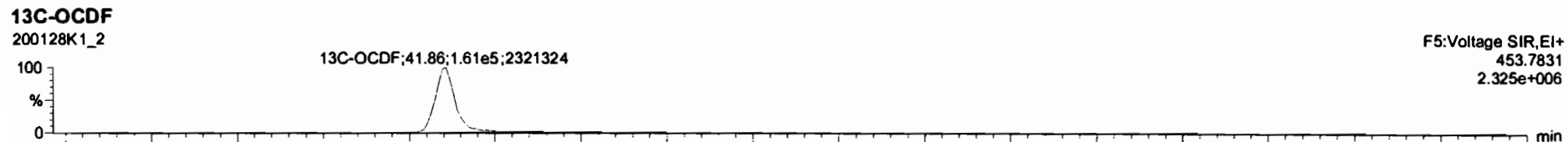
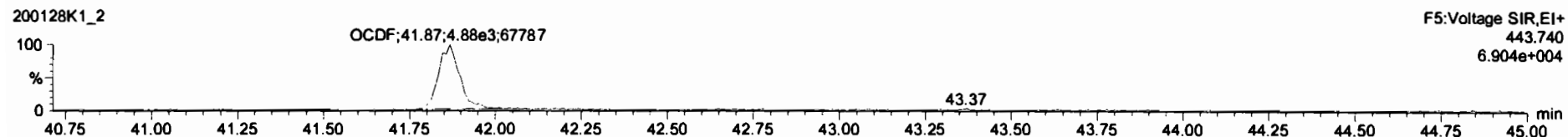
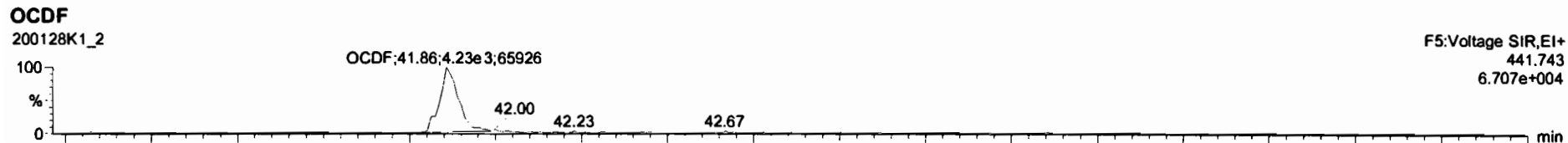
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29	13C-1,2,3,6,7,8-HpCDF	3.69e5	0.54	NO	1.0638	1.000	33.83	0.962	84.4	84.4	0.474	
30	13C-2,3,4,6,7,8-HpCDF	3.44e5	0.54	NO	0.9636	1.000	34.41	1.008	87.8	87.6	0.527	
31	13C-1,2,3,7,8,9-HpCDF	2.76e5	0.53	NO	0.7804	1.000	35.28	1.035	87.5	87.5	0.658	
32	13C-1,2,3,4,6,7,8-HpCDF	2.44e5	0.45	NO	0.7335	1.000	37.01	1.085	83.3	83.3	0.444	
33	13C-1,2,3,4,7,8,9-HpCDF	1.61e5	0.43	NO	0.4587	1.000	39.05	1.145	87.9	87.9	0.708	
34	13C-OCDF	3.22e5	0.91	NO	0.5003	1.000	41.88	1.227	181	80.8	0.502	
35	37Cl-2,3,7,8-TCDD	3.13e3			1.1244	1.000	38.69	1.028	0.540	108	0.0280	
36	13C-1,2,3,4-TCDD	5.15e5	0.80	NO	1.0000	1.000	25.36	1.000	100	100	0.273	
37	13C-1,2,3,4-TCDF	8.05e5	0.79	NO	1.0000	1.000	23.45	1.000	100	100	0.428	
38	13C-1,2,3,4,6,8-HpCDF	3.99e5	0.52	NO	1.0000	1.000	34.10	1.000	100	100	0.519	
39	Total Tetra-Dioxins				0.9431	1.000			0.588		0.0774	0.588
40	Total Penta-Dioxins				0.8974	1.000			2.84		0.0585	2.84
41	Total Hexa-Dioxins				1.0088	1.000			7.75		0.100	7.75
42	Total Hepta-Dioxins				1.0622	1.000			2.83		0.111	2.83
43	Total Tetra-Furans				0.9700	1.000			0.555		0.0402	0.555
44	1st Func. Penta-Furans				0.9580	1.000					0.0108	
45	Total Penta-Furans				0.9580	1.000			5.06		0.0508	5.06
46	Total Hexa-Furans				1.2131	1.000			10.4		0.0788	10.4
47	Total Hepta-Furans				1.1891	1.000			5.13		0.0848	5.13
48	PFK1											
49	PFK2											



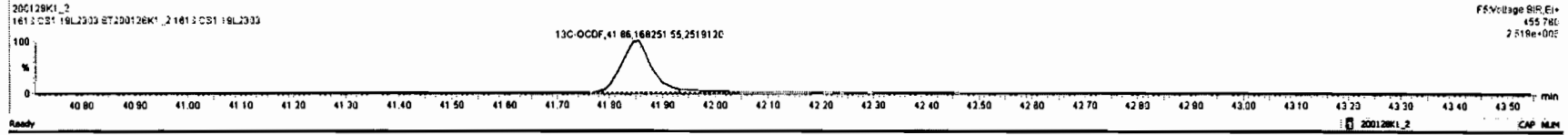
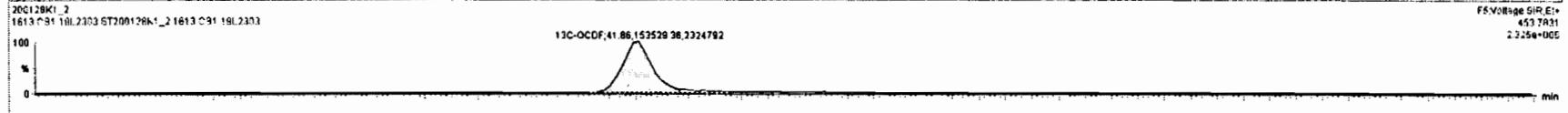
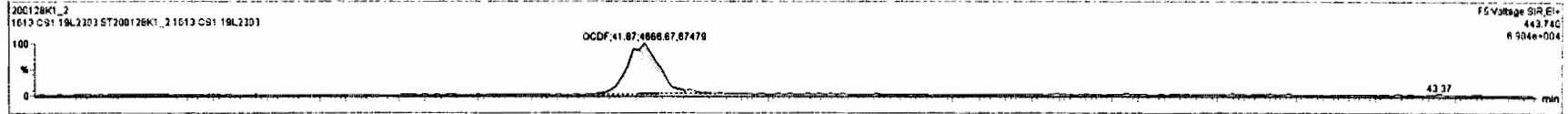
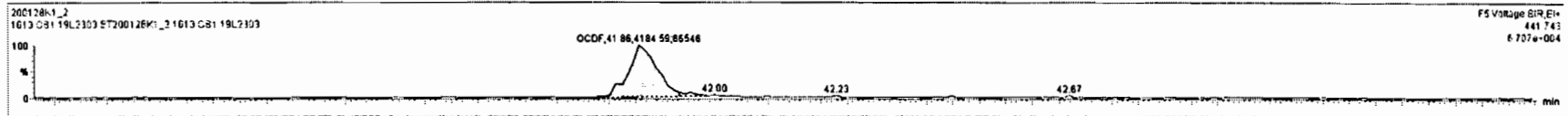
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Name: 200128K1_2, Date: 28-Jan-2020, Time: 12:57:23, ID: ST200128K1_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303



#	Name	Ring	BA	RV	RF	Wt%	RT	RRT	Comp.	%Rec	DL	SpIC
1	2,3,7,8-TCDD	2,3,6,3	0.87	NO	0.9431	1.000	38.08	1.001	0.568	114	0.0774	0.589
2	1,2,3,7,8-PeCDD	8,18,3	0.81	NO	0.8974	1.000	31.25	1.001	2.64	106	0.0585	2.64
3	1,2,3,4,7,8-HxCDD	8,11,3	1.27	NO	1.1880	1.000	34.58	1.000	2.51	100	0.0804	2.51
4	1,2,3,6,7,8-HxCDD	7,12,3	1.17	NO	1.0088	1.000	34.88	1.001	2.68	107	0.0822	2.67
5	1,2,3,7,8,9-HxCDD	5,9,6,3	1.24	NO	0.9820	1.000	34.97	1.001	2.57	103	0.107	2.57
6	1,2,3,4,6,7,8-HpCDD	4,4,4,3	1.03	NO	1.0622	1.000	38.43	1.000	2.83	105	0.111	2.83
7	OCDD	8,71,3	0.86	NO	1.0440	1.000	41.87	1.000	5.15	103	0.135	5.15
8	2,3,7,8-TCDF	4,18,3	0.75	NO	0.8700	1.000	25.08	1.001	0.555	111	0.0402	0.555
9	1,2,3,7,8-PeCDF	1,3,3,4	1.84	NO	0.9580	1.000	29.94	1.001	2.58	103	0.0500	2.58
10	1,2,3,4,7,8-HxCDF	1,2,8,4	1.58	NO	1.0074	1.000	30.93	1.001	2.48	86.2	0.0480	2.48
11	1,2,3,4,7,8-HxCDF	1,0,3,4	1.26	NO	1.1632	1.000	33.74	1.001	2.57	103	0.0788	2.57
12	1,2,3,6,7,8-HxCDF	1,11,4	1.25	NO	1.1421	1.000	33.85	1.000	2.84	106	0.0725	2.84
13	2,3,4,6,7,8-HxCDF	1,13,4	1.28	NO	1.2121	1.000	34.42	1.000	2.71	108	0.0771	2.71
14	1,2,2,7,8,9-HxCDF	7,9,1,3	1.24	NO	1.1348	1.000	35.26	1.000	2.52	101	0.108	2.52
15	1,2,3,4,6,7,8-HpCDF	7,7,5,3	1.04	NO	1.1881	1.000	37.02	1.000	2.87	107	0.0787	2.87
16	1,2,3,4,7,8-HpCDF	5,4,8,3	0.93	NO	1.2898	1.000	39.08	1.000	2.45	88.1	0.104	2.45
17	OCDF	8,9,5,3	0.80	NO	1.0814	1.000	41.88	1.000	8.08	104	0.143	8.18
18	1,3C-2,3,7,8-TCDF	5,4,3,3	0.79	NO	1.1723	1.000	26.06	1.028	88.8	88.8	0.222	
19	1,3C-1,2,3,7,8-PeCDD	3,4,5,3	0.84	NO	0.7721	1.000	31.22	1.222	88.7	88.7	0.227	

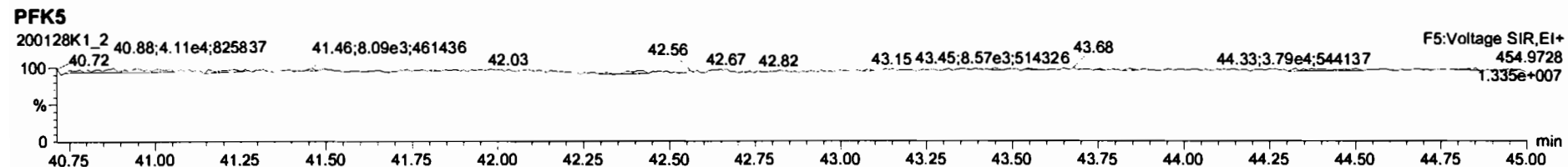
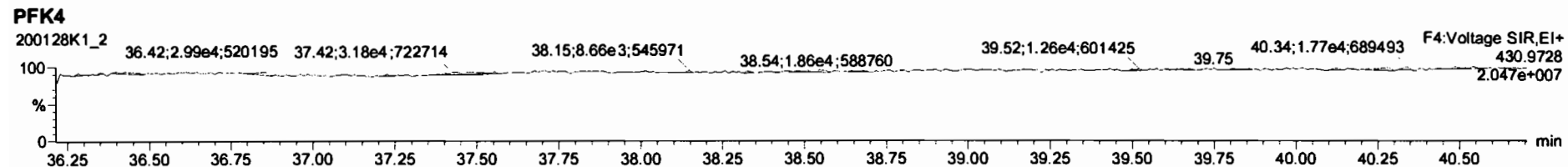
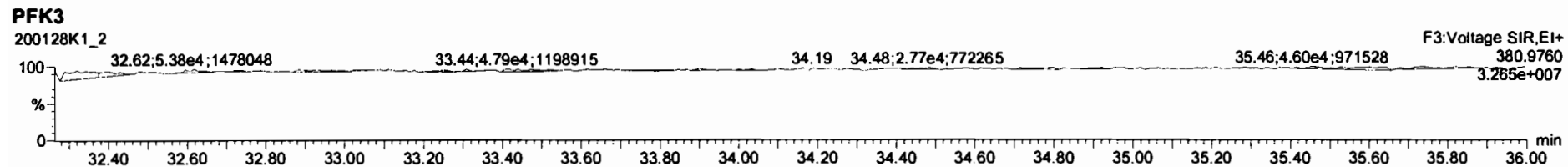
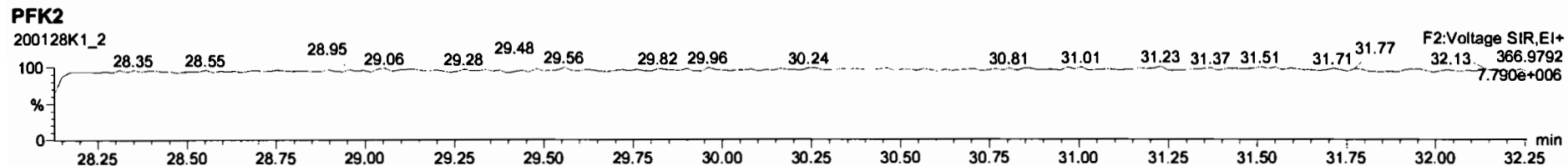
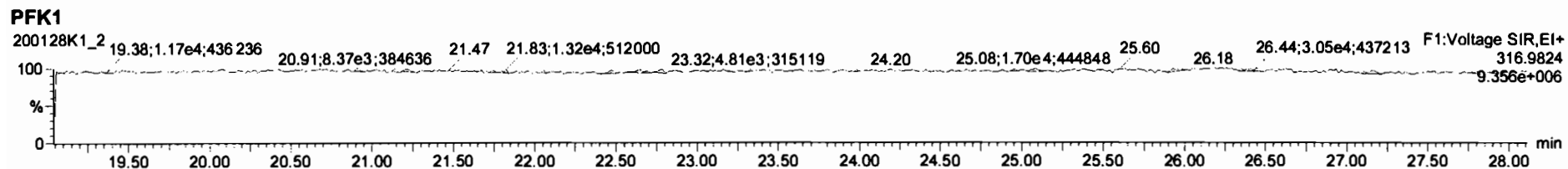


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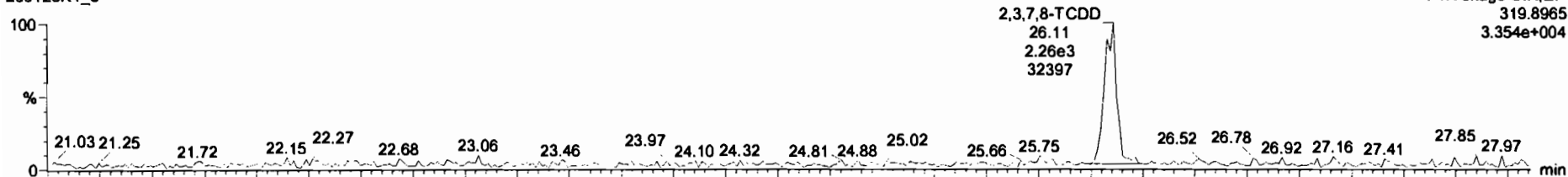
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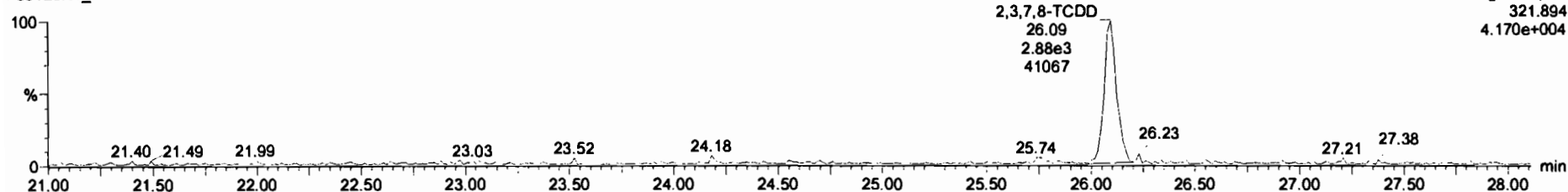
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2,3,7,8-TCDD

200128K1_3

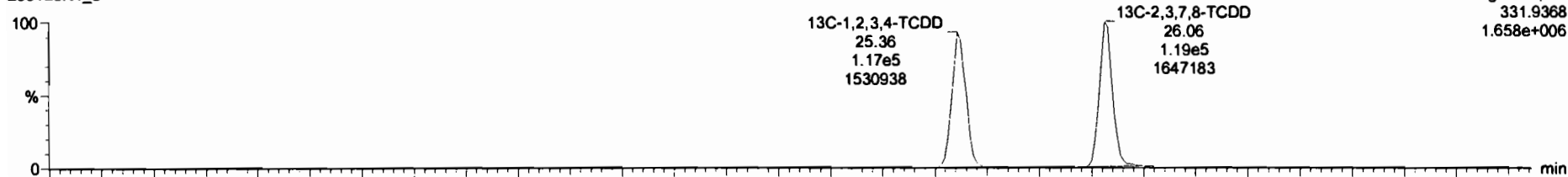


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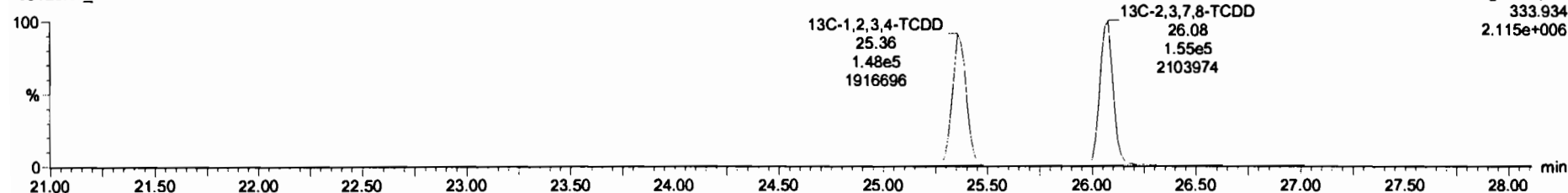


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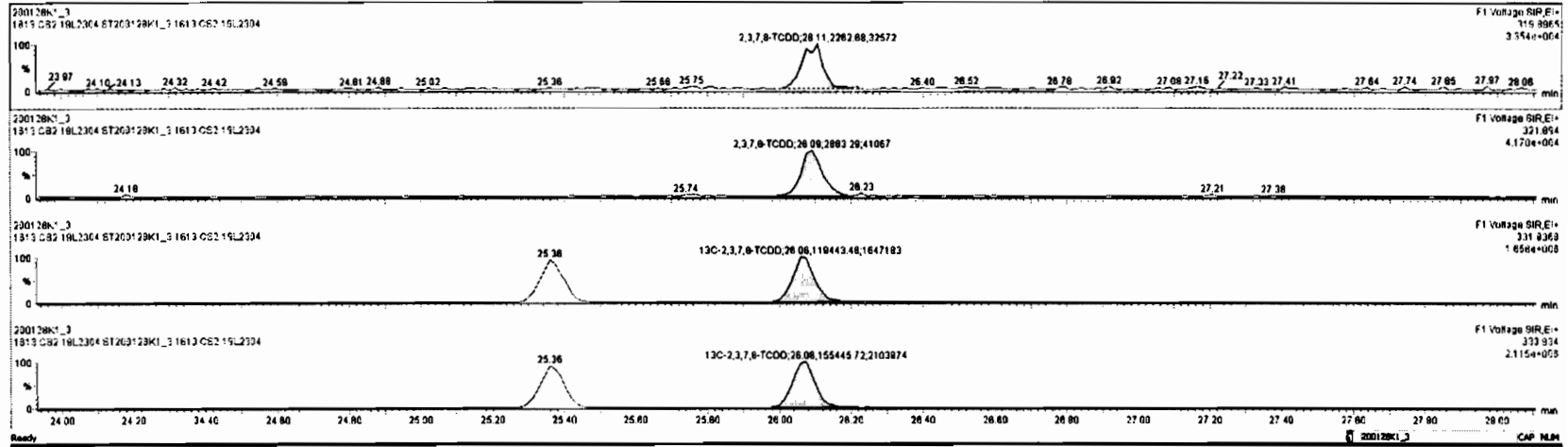
200128K1_3



200128K1_3



Peak	Name	Retp	RA	RI	RI	RI	RI	Conc.	%Rec	DL	EMPC	
1	2,3,7,8-TCDD	6.15e3	0.79	NO	0.8031	1.000	26.11	1.000	1.88	89.7	0.400	3.80
2	1,2,3,7,8-PeCDD	1.80e4	0.64	NO	0.8074	1.000	31.25	1.001	10.3	103	0.125	10.3
3	1,2,3,4,7,8-HxCDD	1.20e4	1.28	NO	1.1680	1.000	34.58	1.000	10.6	106	0.156	10.6
4	1,2,3,6,7,8-HxCDD	1.37e4	1.21	NO	1.0098	1.000	34.88	1.000	10.3	103	0.153	10.3
5	1,2,3,7,8-HxCDD	1.20e4	1.27	NO	0.8030	1.000	34.87	1.000	10.3	103	0.180	10.3
6	1,2,3,4,6,7,8-HpCDD	8.82e3	1.04	NO	1.0622	1.000	38.46	1.001	10.3	103	0.286	10.3
7	OCDD	1.31e4	0.80	NO	1.0440	1.000	41.67	1.000	20.1	101	0.442	30.1
8	2,3,7,8-TCDF	8.15e3	0.77	NO	0.8700	1.000	25.11	1.001	2.14	107	0.0725	2.14
9	1,2,3,7,8-PeCDF	2.71e4	1.56	NO	0.8680	1.000	29.94	1.001	10.2	102	0.126	10.2
10	2,3,4,7,8-PeCDF	2.75e4	1.53	NO	1.0074	1.000	30.93	1.000	10.2	102	0.126	10.2
11	1,2,3,4,7,8-HxCDF	2.13e4	1.24	NO	1.1630	1.000	33.74	1.000	10.5	105	0.187	10.5
12	1,2,3,6,7,8-HxCDF	2.28e4	1.21	NO	1.1471	1.000	33.86	1.000	10.8	108	0.177	10.8
13	2,3,4,6,7,8-HxCDF	2.20e4	1.27	NO	1.2121	1.000	34.43	1.001	10.3	103	0.182	10.3
14	1,2,3,7,8-HxCDF	1.57e4	1.27	NO	1.1348	1.000	35.28	1.000	10.3	103	0.283	10.3
15	1,2,3,4,6,7,8-HpCDF	1.87e4	1.13	NO	1.1891	1.000	37.00	1.000	10.4	104	0.187	10.4
16	1,2,3,4,7,8-HpCDF	1.13e4	1.02	NO	1.3886	1.000	38.07	1.001	10.7	107	0.298	10.7
17	OCDF	1.85e4	0.91	NO	1.0914	1.000	41.88	1.000	21.2	108	0.308	21.2
18	1,3C-2,3,7,8-TCDD	2.75e5	0.77	NO	1.1733	1.000	28.06	1.028	88.7	88.7	0.411	
19	1,3C-1,2,3,7,8-PeCDD	1.80e5	0.58	NO	0.7731	1.000	31.23	1.232	88.0	88.0	0.486	
20	1,3C-1,2,3,4,7,8-HxCDD	1.05e5	1.28	NO	0.5888	1.000	34.58	1.014	87.5	87.5	0.844	
21	1,3C-1,2,3,6,7,8-HxCDD	1.33e5	1.25	NO	0.7821	1.000	34.88	1.017	87.2	87.2	0.508	



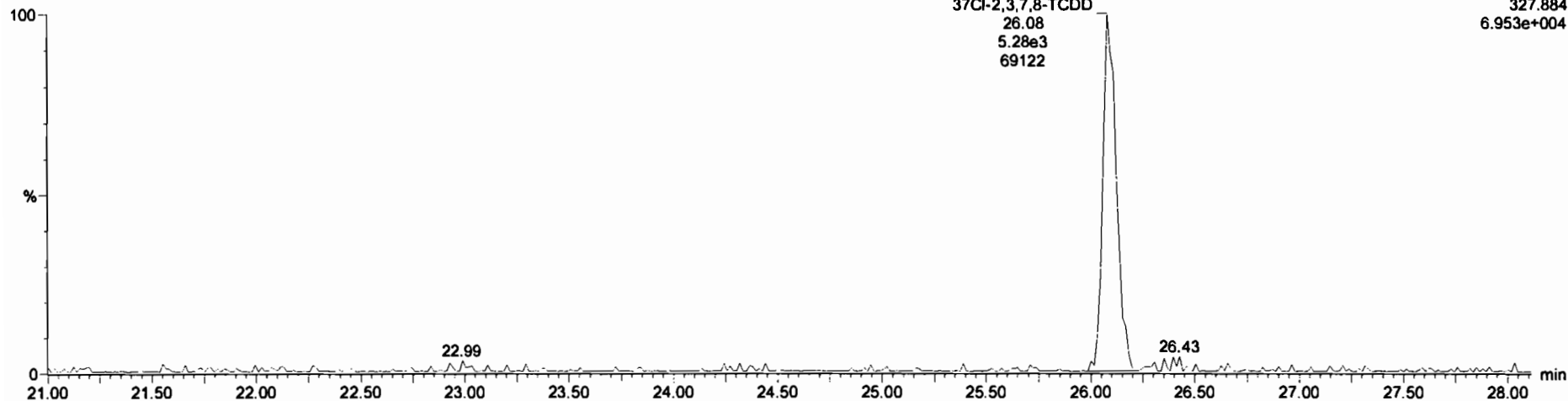
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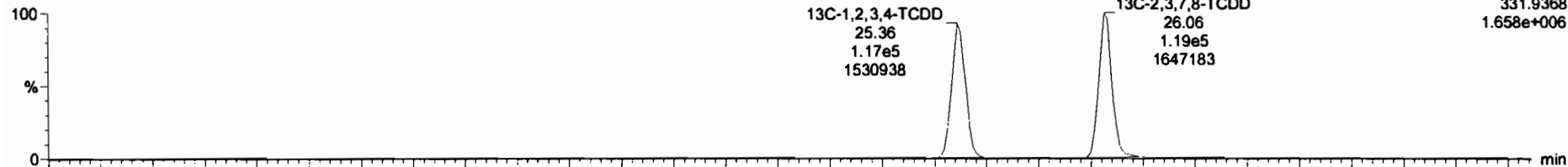
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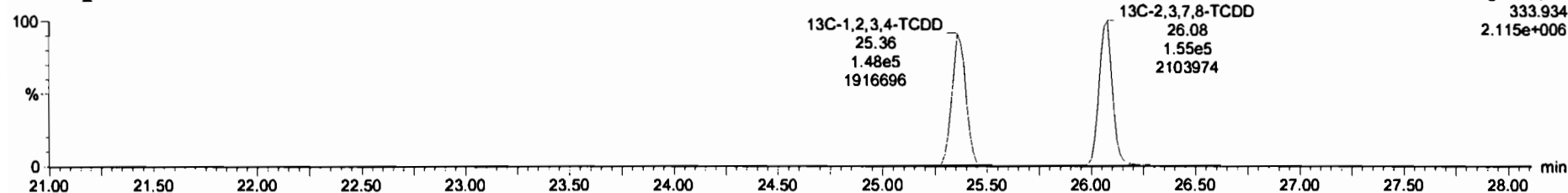


13C-1,2,3,4-TCDD

200128K1_3



200128K1_3



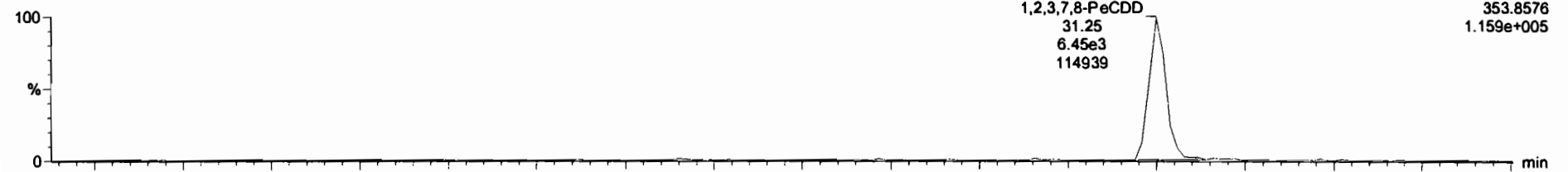
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Last Altered: Wednesday, January 29, 2020 07:48:32 Pacific Standard Time
Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

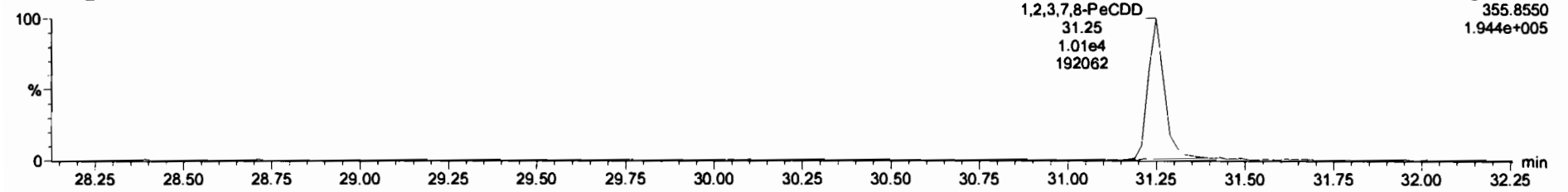
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1,2,3,7,8-PeCDD

200128K1_3

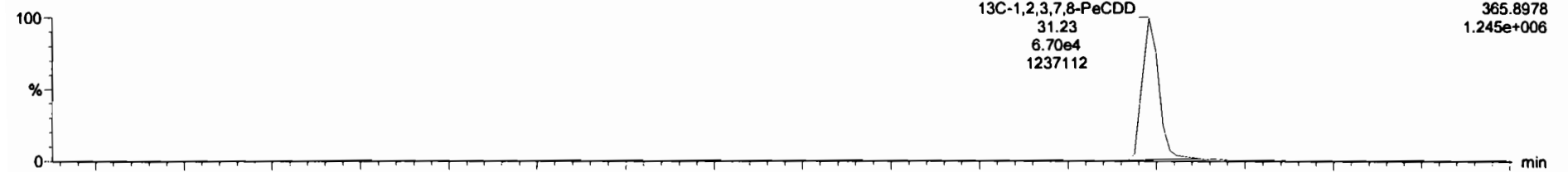


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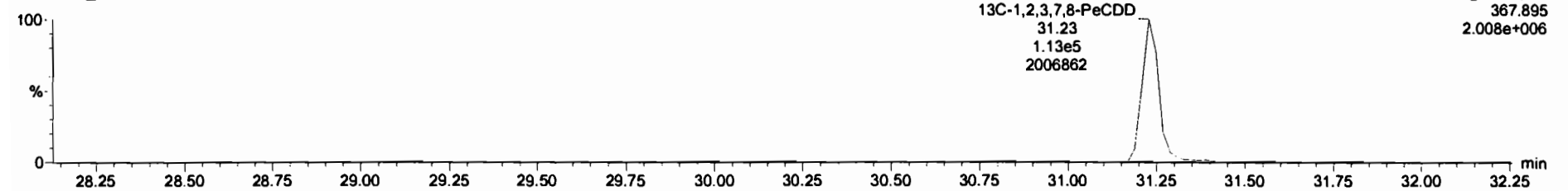


13C-1,2,3,7,8-PeCDD

200128K1_3



200128K1_3



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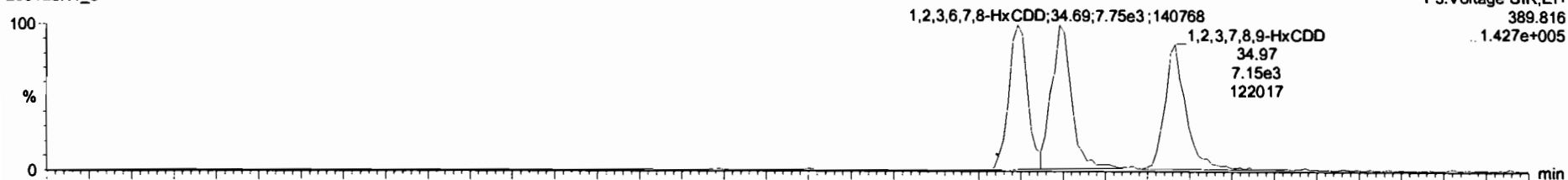
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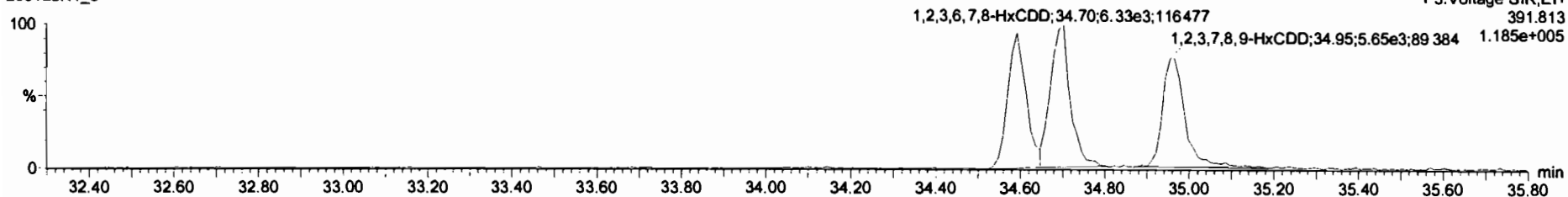
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1,2,3,4,7,8-HxCDD

200128K1_3

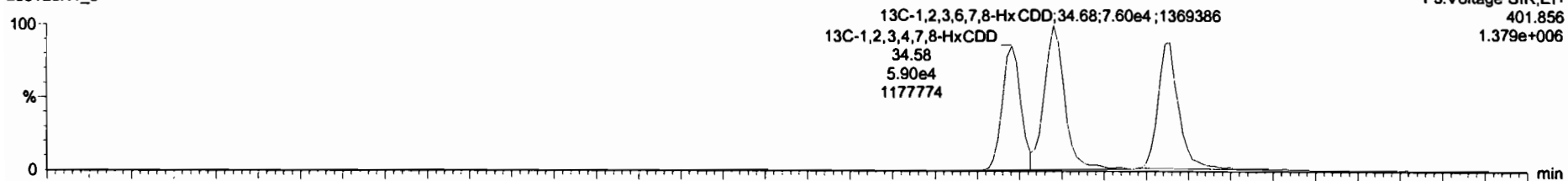


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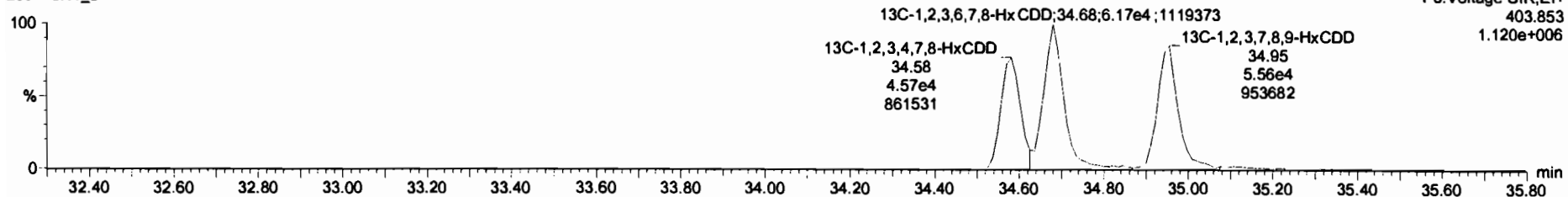


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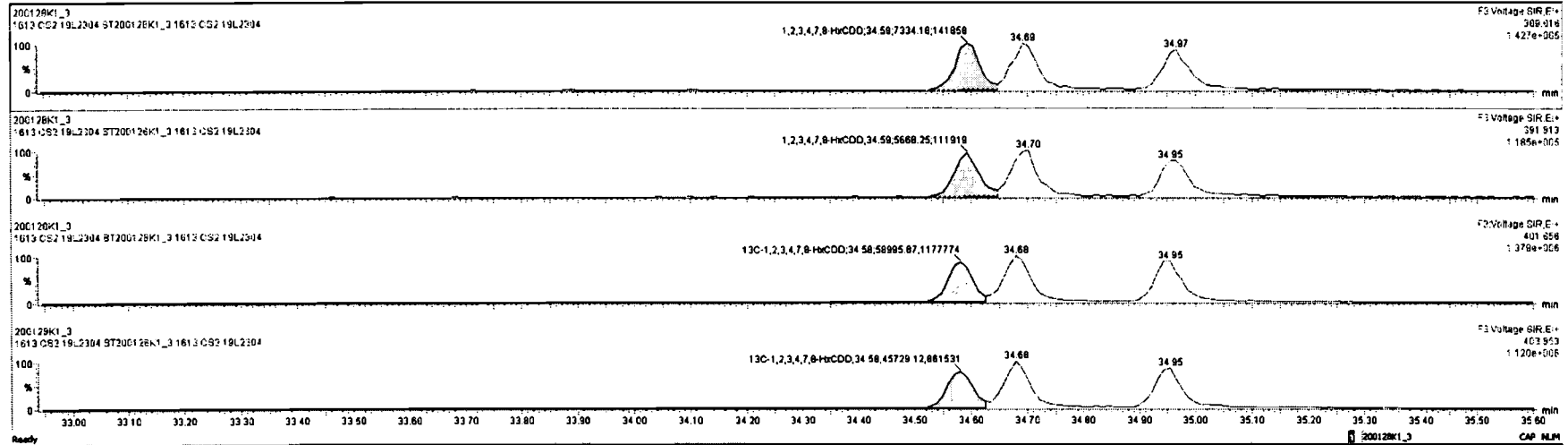
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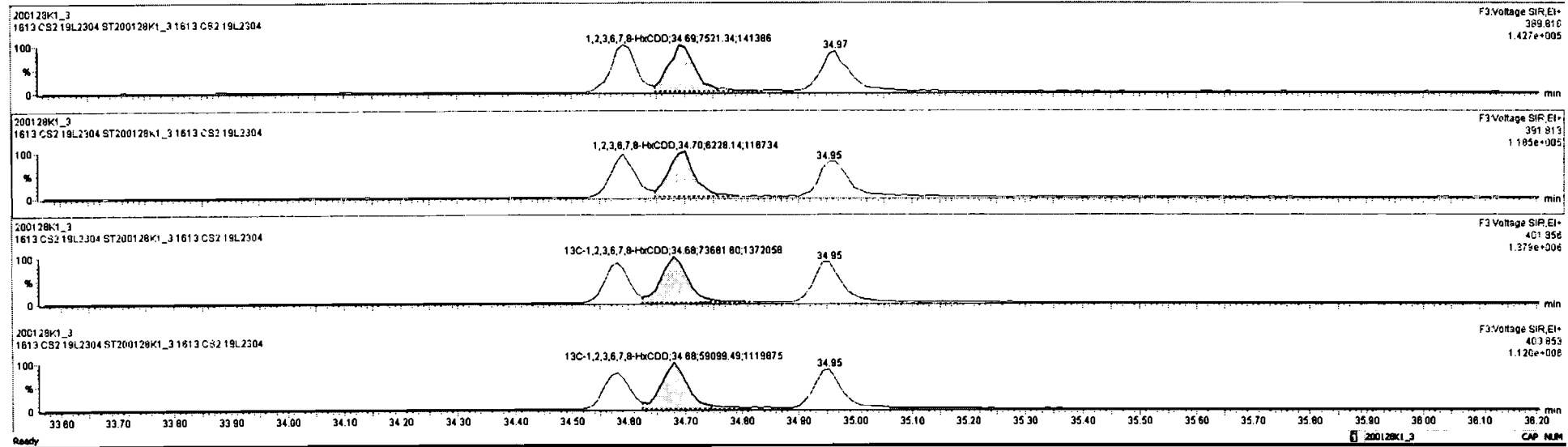
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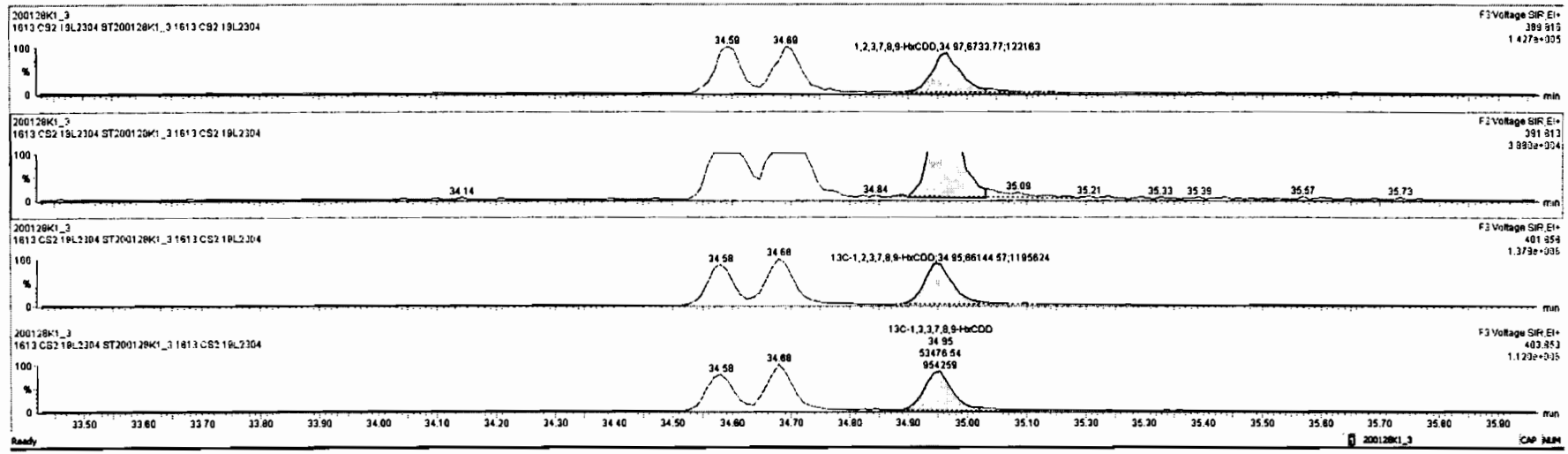
Name	Resp	RA	inj	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	5.15e4	0.78	NO	0.9431	1.000	28.11	1.002	1.96	88.2	0.150	1.98
2 1,2,3,7,8-PeCDD	1.88e4	0.84	NO	0.8874	1.000	31.25	1.001	10.3	103	0.135	10.3
3 1,2,3,4,7,8-HxCDD	1.30e4	1.28	NO	1.1880	1.000	34.88	1.000	10.6	108	0.158	10.6
4 1,2,3,6,7,8-HxCDD	1.37e4	1.21	NO	1.0368	1.000	34.88	1.000	10.3	103	0.153	10.3
5 1,2,3,7,8,9-HxCDD	1.20e4	1.27	NO	0.9920	1.000	34.97	1.000	10.3	103	0.180	10.3
6 1,2,3,4,6,7,8-HpCDD	8.82e3	1.04	NO	1.0622	1.000	38.46	1.001	10.3	103	0.268	10.3
7 OCDD	1.31e4	0.90	NO	1.0440	1.000	41.87	1.000	20.1	101	0.442	20.1
8 2,3,7,8-TCDF	8.15e3	0.77	NO	0.9700	1.000	25.11	1.001	2.14	107	0.0725	2.14
9 1,2,3,7,8-PeCDF	2.71e4	1.26	NO	0.8580	1.000	28.94	1.001	10.3	102	0.128	10.2
10 2,3,4,7,8-PeCDF	2.75e4	1.52	NO	1.0274	1.000	30.93	1.000	10.3	102	0.128	10.2
11 1,2,3,4,7,8-HxCDF	2.12e4	1.24	NO	1.1632	1.000	33.74	1.000	10.5	105	0.187	10.5
12 1,2,3,4,7,8-HxCDF	2.28e4	1.21	NO	1.1431	1.000	33.88	1.000	10.6	106	0.177	10.6
13 1,2,3,6,7,8-HxCDF	2.20e4	1.27	NO	1.2131	1.000	34.43	1.001	10.3	103	0.182	10.3
14 1,2,3,7,8,9-HxCDF	1.57e4	1.27	NO	1.1348	1.000	35.28	1.000	10.3	103	0.283	10.3
15 1,2,3,4,6,7,8-HpCDF	1.67e4	1.12	NO	1.1891	1.000	37.03	1.000	10.4	104	0.187	10.4
16 1,2,3,4,7,8-HpCDF	1.13e4	1.02	NO	1.3888	1.000	39.07	1.001	10.7	107	0.259	10.7
17 OCDF	1.88e4	0.91	NO	1.0814	1.000	41.88	1.000	21.2	108	0.358	21.2
18 1,3C-2,3,7,8-TCDD	2.75e5	0.77	NO	1.1733	1.000	26.06	1.028	88.7	88.7	0.411	
19 1,3C-1,2,3,7,8-PeCDD	1.80e5	0.59	NO	0.7731	1.000	31.23	1.222	88.0	88.0	0.486	
20 1,3C-1,2,3,4,7,8-HxCDD	1.05e5	1.28	NO	0.5880	1.000	34.58	1.014	87.5	87.5	0.644	
21 1,3C-1,2,3,6,7,8-HxCDD	1.33e5	1.25	NO	0.7831	1.000	34.88	1.017	87.2	87.2	0.505	



#	Name	Resp	RA	rvly	RPF	wt/wt	RT	RRT	Conc.	%Rec	DL	ENPC
1	2,3,7,8-TCDD	5.15e3	0.78	NO	0.9431	1.000	28.11	1.002	1.90	99.2	0.150	1.99
2	1,2,3,7,8-PeCDD	1.86e4	0.84	NO	0.8874	1.000	31.25	1.001	10.3	103	0.155	10.3
3	1,2,3,4,7,8-HxCDD	1.30e4	1.29	NO	1.1680	1.000	34.58	1.000	10.8	108	0.158	10.8
4	1,2,3,6,7,8-HxCDD	1.37e4	1.21	NO	1.0089	1.000	34.66	1.000	10.3	103	0.153	10.3
5	1,2,3,7,8-HxCDF	1.20e4	1.27	NO	0.9820	1.000	34.97	1.000	10.3	103	0.180	10.3
6	1,2,3,4,6,7,8-HpCDD	8.82e3	1.04	NO	1.0622	1.000	36.46	1.001	10.3	103	0.266	10.3
7	OCDD	1.31e4	0.90	NO	1.0440	1.000	41.87	1.000	20.1	101	0.442	20.1
8	2,3,7,8-TCDF	8.15e3	0.77	NO	0.9700	1.000	25.11	1.001	2.14	107	0.0725	2.14
9	1,2,3,7,8-PeCDF	2.71e4	1.56	NO	0.9590	1.000	29.94	1.001	10.2	102	0.128	10.2
10	2,3,4,7,8-PeCDF	2.75e4	1.52	NO	1.0074	1.000	30.83	1.000	10.2	102	0.128	10.2
11	1,2,3,4,7,8-HxCDF	2.12e4	1.24	NO	1.1632	1.000	33.74	1.000	10.5	105	0.187	10.5
12	1,2,3,6,7,8-HxCDF	2.28e4	1.21	NO	1.1431	1.000	33.86	1.000	10.6	106	0.177	10.6
13	2,3,4,6,7,8-HxCDF	2.20e4	1.27	NO	1.2131	1.000	34.43	1.001	10.3	103	0.193	10.3
14	1,2,3,7,8,9-HxCDF	1.57e4	1.27	NO	1.1349	1.000	35.28	1.000	10.3	103	0.263	10.3
15	1,2,3,4,6,7,8-HpCDF	1.67e4	1.12	NO	1.1891	1.000	37.03	1.000	10.4	104	0.187	10.4
16	1,2,3,4,7,8,9-HpCDF	1.13e4	1.02	NO	1.3696	1.000	39.07	1.001	10.7	107	0.259	10.7
17	OCDF	1.85e4	0.91	NO	1.0814	1.000	41.88	1.000	21.2	106	0.356	21.2
18	13C-2,3,7,8-TCDD	2.75e5	0.77	NO	1.1733	1.000	26.06	1.028	88.7	88.7	0.411	
19	13C-1,2,3,7,8-PeCDD	1.80e5	0.59	NO	0.7731	1.000	31.23	1.232	88.0	88.0	0.486	
20	13C-1,2,3,4,7,8-HxCDD	1.05e5	1.28	NO	0.5899	1.000	34.58	1.014	87.5	87.5	0.644	
21	13C-1,2,3,6,7,8-HxCDD	1.33e5	1.25	NO	0.7831	1.000	34.68	1.017	87.2	87.2	0.506	



#	Name	Area	RA	RF	RF%	Wt%	RT	RTT	Comp	Wt%	DL	BP/C
1	2,3,7,8-TCDD	5.15e3	0.70	NO	0.9431	1.000	26.11	1.022	1.98	99.2	0.150	1.98
2	1,2,3,7,8-PeCDD	1.65e4	0.84	NO	0.8874	1.000	31.25	1.001	10.3	103	0.135	10.3
3	1,2,3,4,7,8-HxCDD	1.30e4	1.29	NO	1.1680	1.000	34.58	1.000	10.6	106	0.156	10.6
4	1,2,3,6,7,8-HxCDD	1.37e4	1.21	NO	1.0098	1.000	34.88	1.000	10.3	103	0.153	10.3
5	1,2,3,7,8,9-HxCDD	1.28e4	1.27	NO	0.9820	1.000	34.97	1.000	10.3	103	0.180	10.3
6	1,2,3,4,6,7,8-HpCDD	8.82e3	1.04	NO	1.0822	1.000	36.46	1.001	10.3	103	0.208	10.3
7	OCDD	1.31e4	0.90	NO	1.0440	1.000	41.67	1.000	20.1	101	0.442	20.1
8	2,3,7,8-TCDF	8.15e3	0.77	NO	0.9700	1.000	25.11	1.001	2.14	107	0.0725	2.14
9	1,2,3,7,8-PeCDF	3.71e4	1.96	NO	0.9580	1.000	29.84	1.001	10.2	102	0.126	10.2
10	2,3,4,7,8-PeCDF	2.75e4	1.82	NO	1.0074	1.000	30.83	1.000	10.2	102	0.126	10.2
11	1,2,3,4,7,8-HxCDF	2.12e4	1.24	NO	1.1632	1.000	33.74	1.000	10.5	105	0.187	10.5
12	1,2,3,6,7,8-HxCDF	2.28e4	1.21	NO	1.1431	1.000	33.86	1.000	10.8	108	0.177	10.8
13	2,3,4,6,7,8-HxCDF	2.20e4	1.27	NO	1.2131	1.000	34.43	1.001	10.3	103	0.182	10.3
14	1,2,3,7,8,9-HxCDF	1.57e4	1.27	NO	1.1348	1.000	35.28	1.000	10.3	103	0.283	10.3
15	1,2,3,4,6,7,8-HpCDF	1.67e4	1.12	NO	1.1891	1.000	37.63	1.000	10.4	104	0.187	10.4
16	1,2,3,4,7,8,9-HpCDF	1.13e4	1.02	NO	1.3898	1.000	38.07	1.001	10.7	107	0.258	10.7
17	OCDF	1.65e4	0.91	NO	1.0514	1.000	41.88	1.000	21.2	106	0.356	21.2
18	13C-2,3,7,8-TCDD	2.75e5	0.77	NO	1.1733	1.000	26.08	1.028	88.7	88.7	0.411	
19	13C-1,2,3,7,8-PeCDD	1.80e5	0.98	NO	0.7731	1.000	31.23	1.232	86.0	86.0	0.486	
20	13C-1,2,3,4,7,8-HxCDD	1.05e5	1.28	NO	0.5999	1.000	34.58	1.014	87.5	87.5	0.844	
21	13C-1,2,3,6,7,8-HxCDD	1.33e5	1.25	NO	0.7631	1.000	34.88	1.017	87.2	87.2	0.508	



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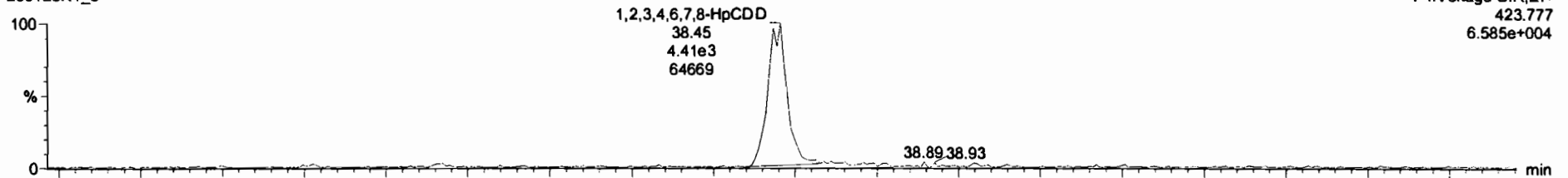
Last Altered: Wednesday, January 29, 2020 07:48:32 Pacific Standard Time

Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

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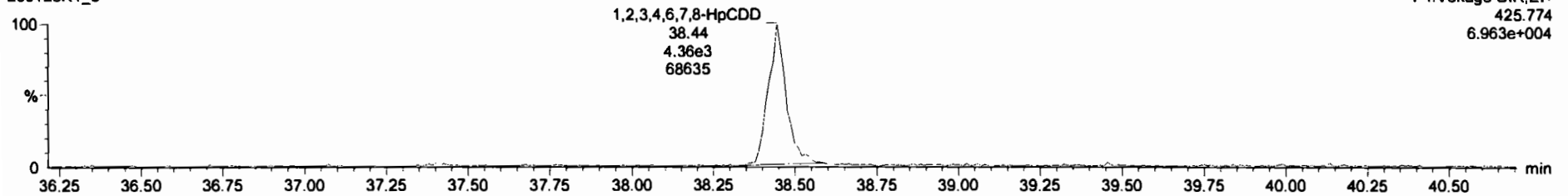
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200128K1_3



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6.585e+004

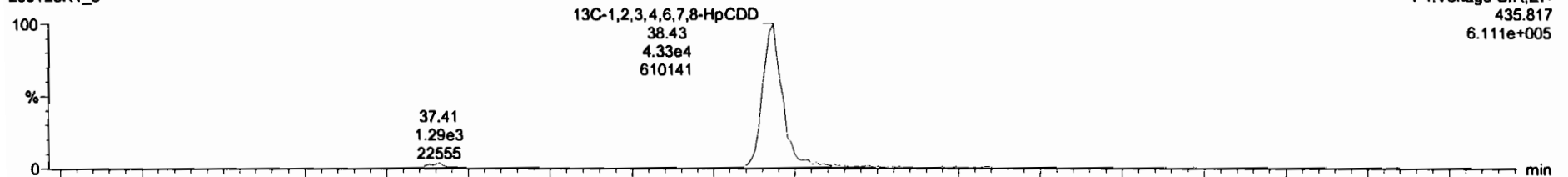
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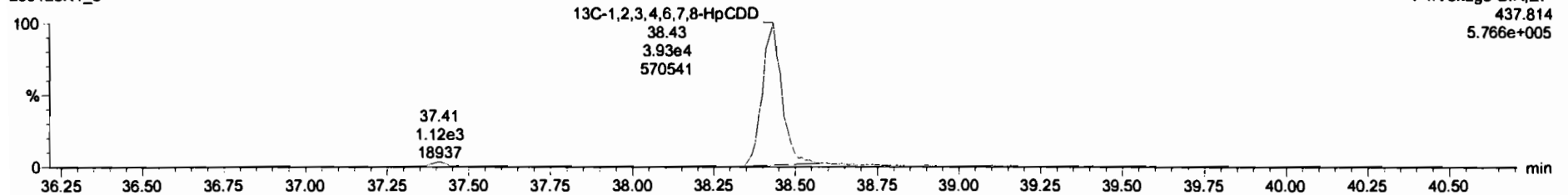
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200128K1_3



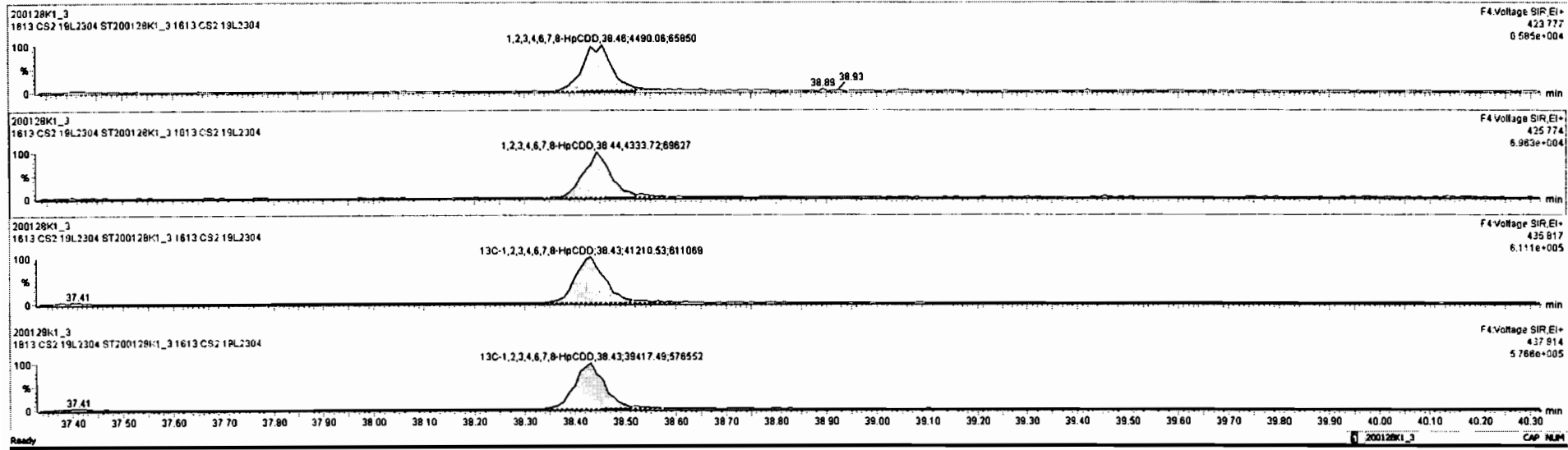
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200128K1_3



F4: Voltage SIR, EI+
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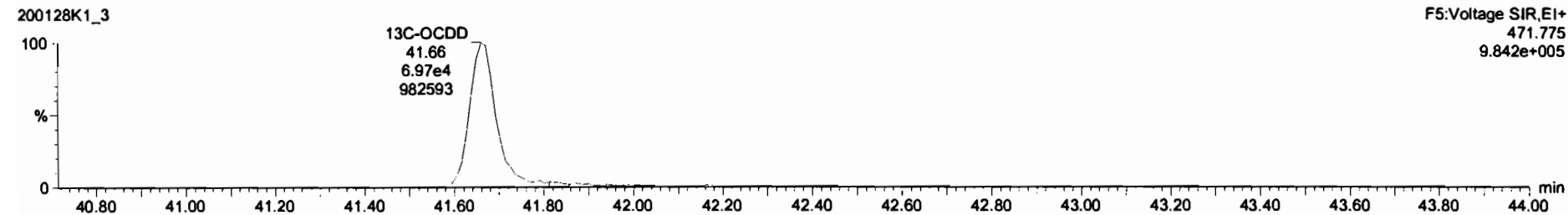
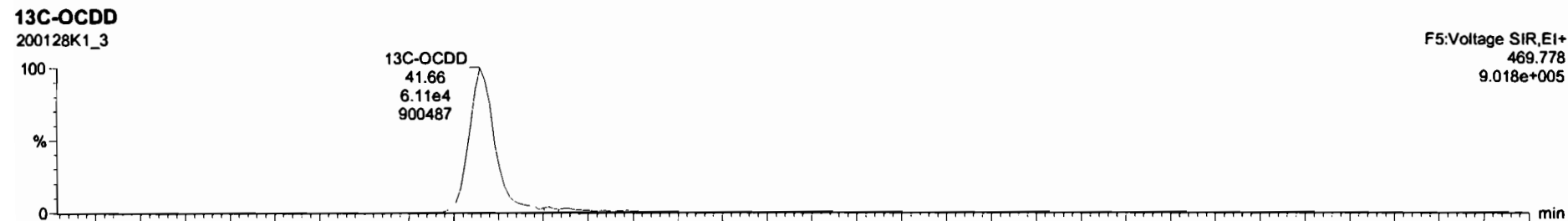
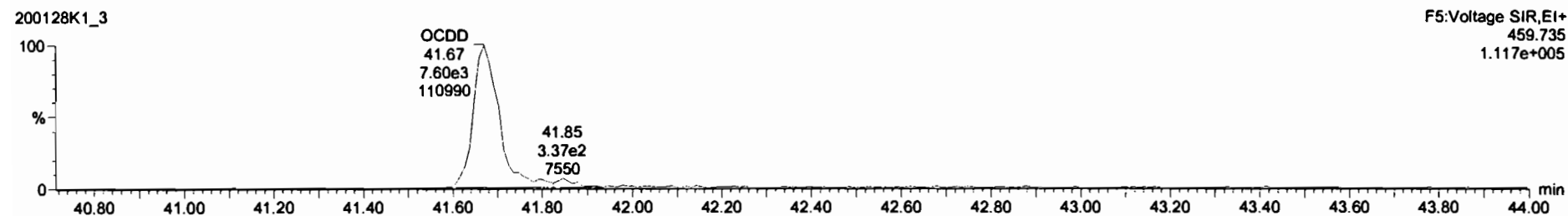
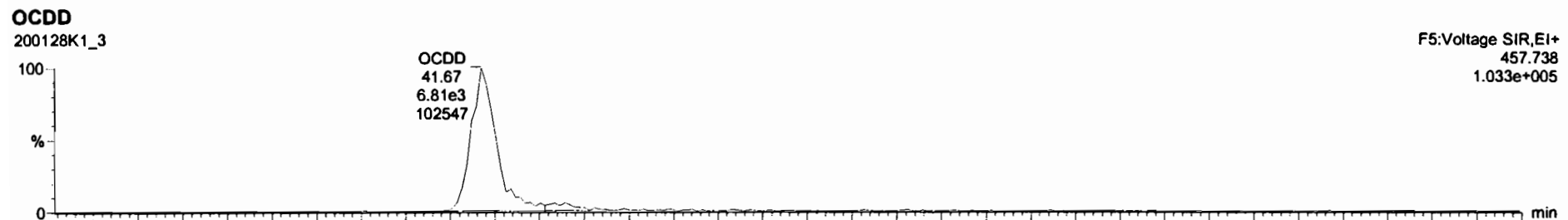
Name	Resp	RA	n/y	RF	wtVcl	RT	RRT	Conc.	%Rec	DL	ENPC
1 2,3,7,8-TCDD	5.15e3	0.79	NO	0.9431	1.000	26.11	1.002	1.38	99.2	0.150	1.99
2 1,2,3,7,8-PeCDD	1.88e4	0.64	NO	0.8974	1.000	31.25	1.001	10.3	100	0.135	10.3
3 1,2,3,4,7,8-HxCDD	1.30e4	1.29	NO	1.1660	1.000	34.59	1.000	10.6	106	0.156	10.6
4 1,2,3,6,7,8-HxCDD	1.37e4	1.21	NO	1.0068	1.000	34.69	1.000	10.3	103	0.153	10.3
5 1,2,3,7,8,9-HxCDD	1.20e4	1.27	NO	0.9820	1.000	34.97	1.000	10.3	103	0.180	10.3
6 1,2,3,4,6,7,8-HpCDD	8.82e3	1.04	NO	1.0822	1.000	38.46	1.001	16.3	103	0.288	10.3
7 OCDD	1.31e4	0.90	NO	1.0440	1.000	41.67	1.000	20.1	101	0.442	20.1
8 2,3,7,8-TCDF	8.15e3	0.77	NO	0.9700	1.000	25.11	1.001	2.14	107	0.0725	2.14
9 1,2,3,7,8-PeCDF	2.71e4	1.56	NO	0.9590	1.000	29.94	1.001	10.2	102	0.126	10.2
10 2,3,4,7,8-PeCDF	2.75e4	1.52	NO	1.0074	1.000	30.93	1.000	10.2	102	0.126	10.2
11 1,2,3,4,7,8-HxCDF	2.12e4	1.24	NO	1.1632	1.000	33.74	1.000	10.5	105	0.187	10.5
12 1,2,3,6,7,8-HxCDF	2.28e4	1.21	NO	1.1431	1.000	33.86	1.000	10.6	106	0.177	10.6
13 2,3,4,6,7,8-HxCDF	2.20e4	1.27	NO	1.2131	1.000	34.43	1.001	10.3	103	0.192	10.3
14 1,2,3,7,8,9-HxCDF	1.57e4	1.27	NO	1.1349	1.000	35.28	1.000	10.3	103	0.263	10.3
15 1,2,3,4,6,7,8-HpCDF	1.67e4	1.12	NO	1.1891	1.000	37.03	1.000	10.4	104	0.187	10.4
16 1,2,3,4,7,8,9-HpCDF	1.13e4	1.02	NO	1.3698	1.000	39.07	1.001	10.7	107	0.259	10.7
17 OCDF	1.85e4	0.81	NO	1.0614	1.000	41.88	1.000	21.2	106	0.358	21.2
18 13C-2,3,7,8-TCDD	2.75e5	0.77	NO	1.1733	1.000	26.06	1.028	88.7	88.7	0.411	
19 13C-1,2,3,7,8-PeCDD	1.80e5	0.59	NO	0.7731	1.000	31.23	1.232	88.0	88.0	0.488	
20 13C-1,2,3,4,7,8-HxCDD	1.05e5	1.29	NO	0.5999	1.000	34.58	1.014	87.5	87.5	0.644	
21 13C-1,2,3,6,7,8-HxCDD	1.33e5	1.25	NO	0.7631	1.000	34.68	1.017	87.2	87.2	0.506	

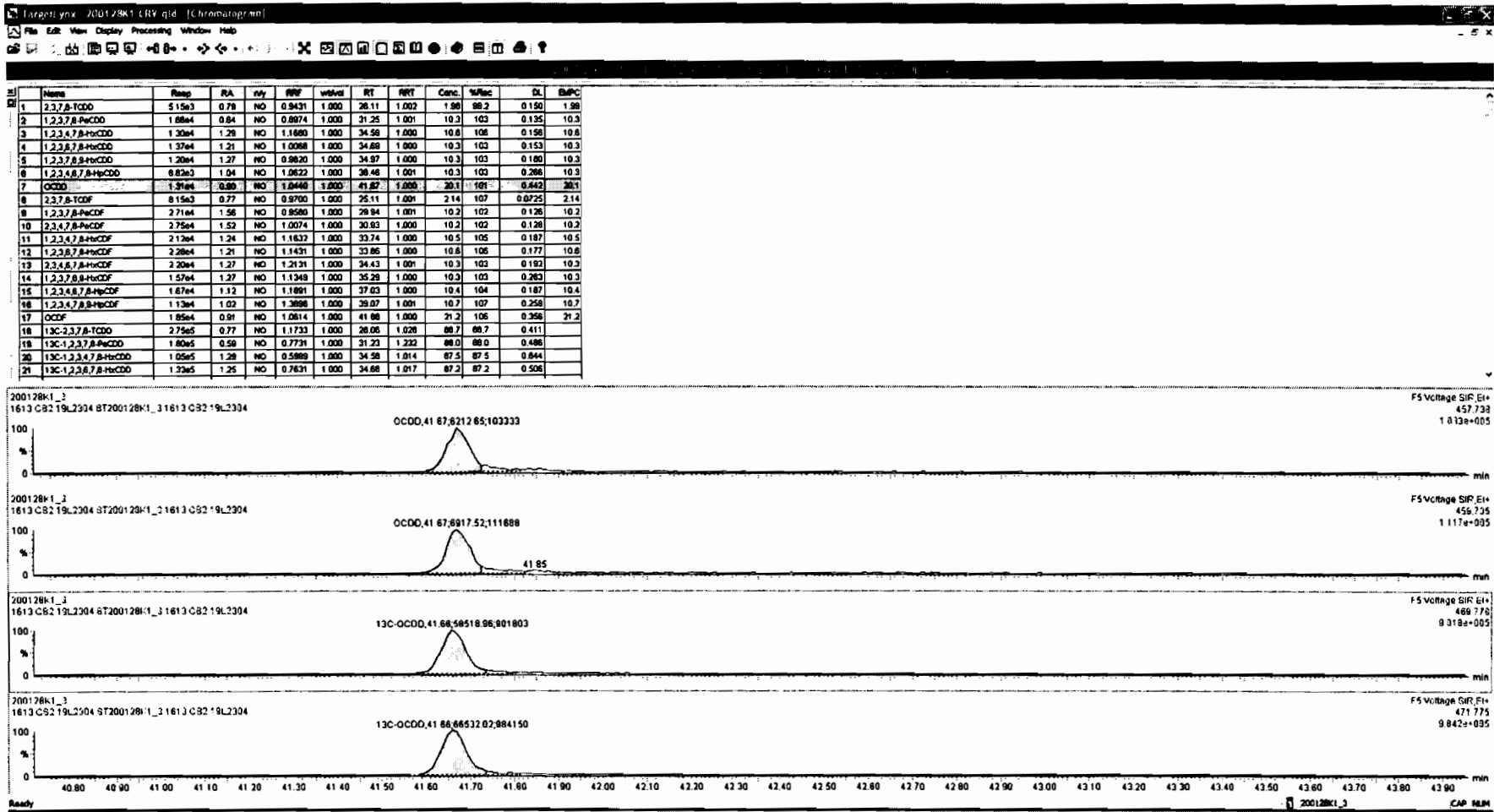


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Last Altered: Wednesday, January 29, 2020 07:48:32 Pacific Standard Time
Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

Name: 200128K1_3, Date: 28-Jan-2020, Time: 13:45:10, ID: ST200128K1_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304





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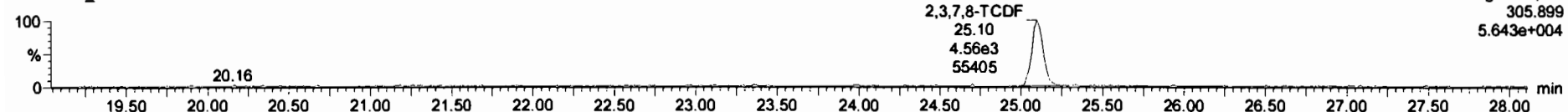
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2,3,7,8-TCDF

200128K1_3

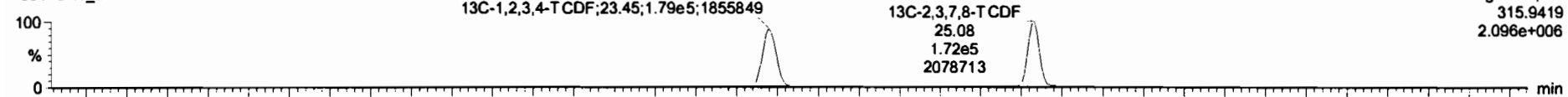


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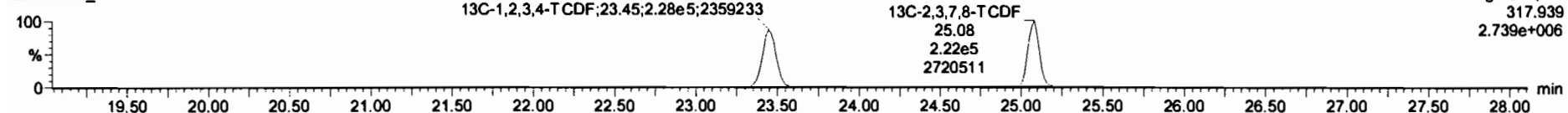


13C-2,3,7,8-TCDF

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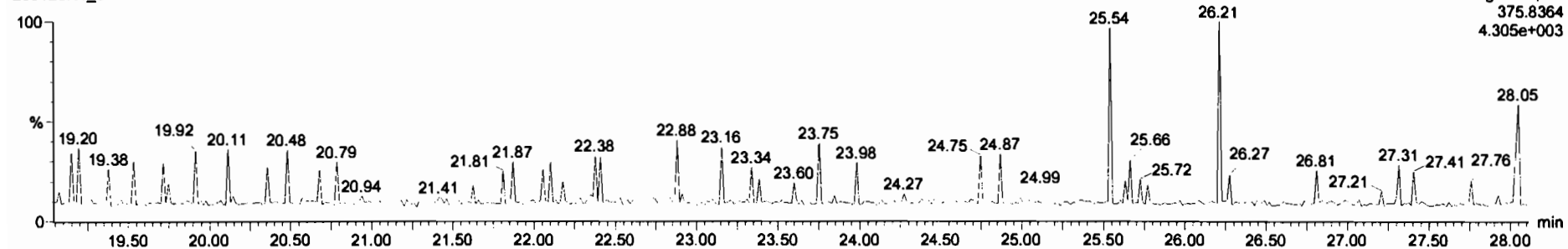


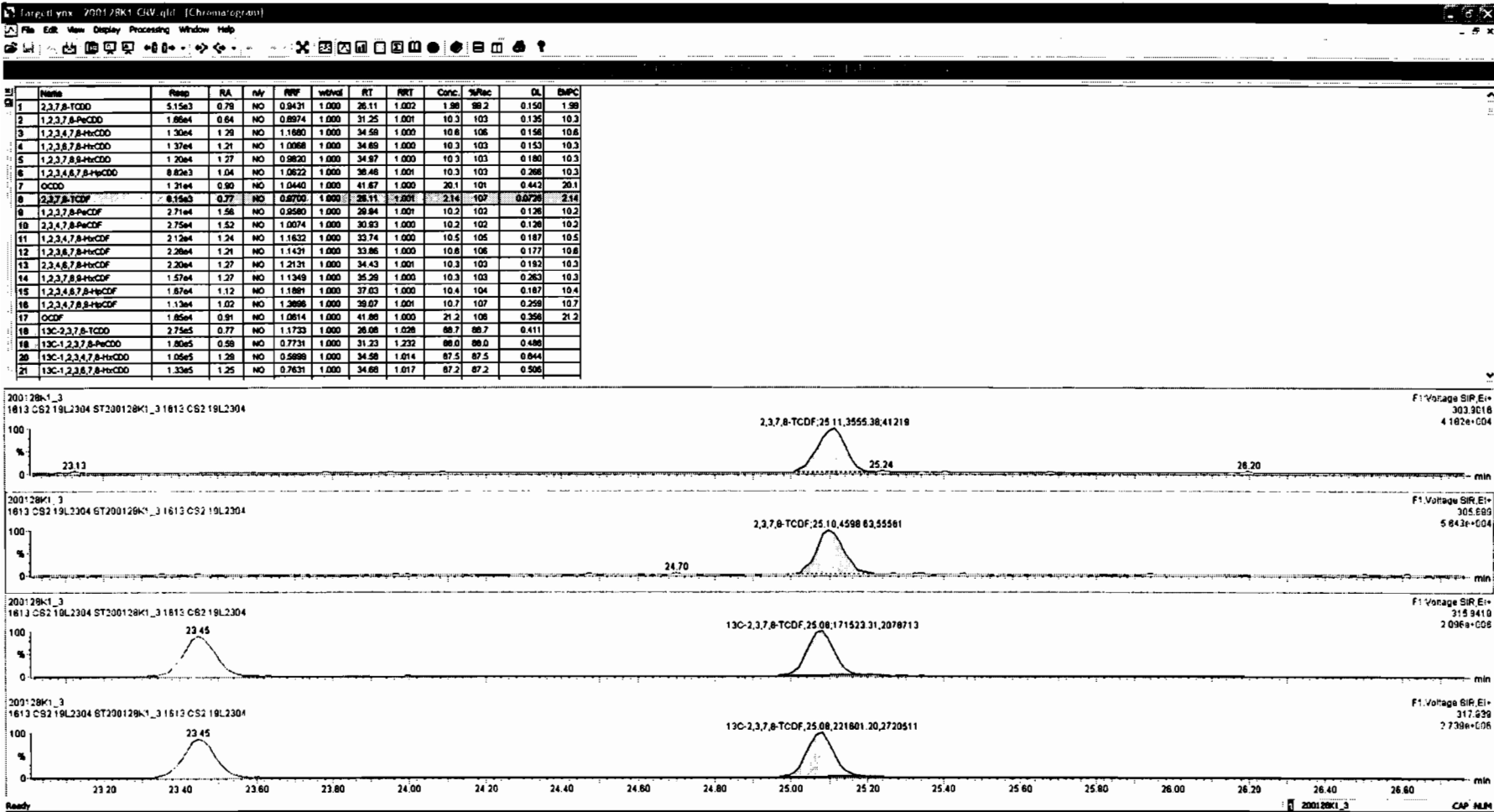
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DPE1

200128K1_3





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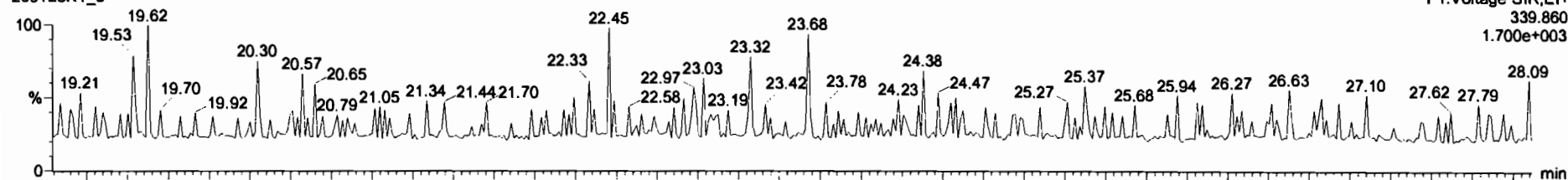
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Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

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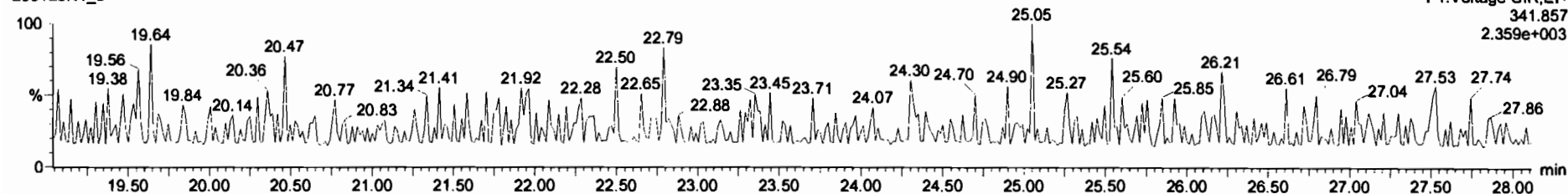
1st Func. Penta-Furans

200128K1_3



F1:Voltage SIR,EI+
339.860
1.700e+003

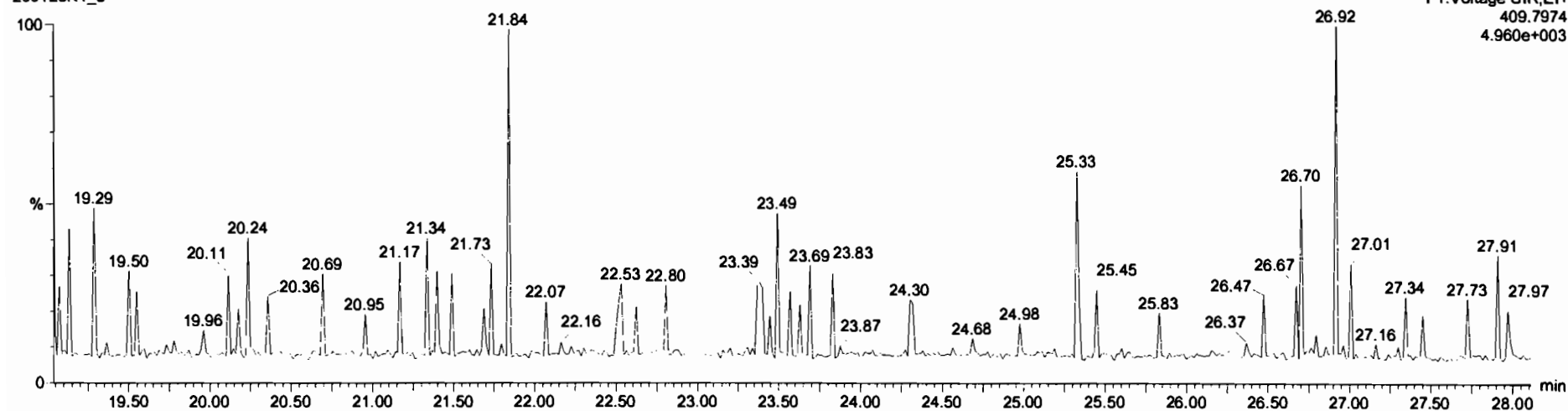
200128K1_3



F1:Voltage SIR,EI+
341.857
2.359e+003

DPE6

200128K1_3



F1:Voltage SIR,EI+
409.7974
4.960e+003

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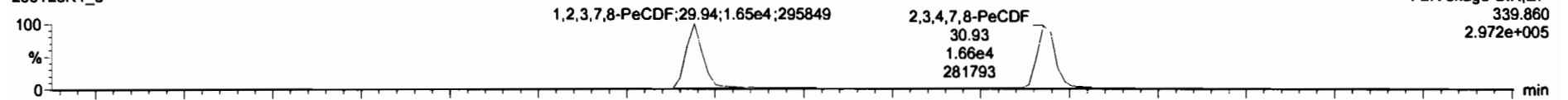
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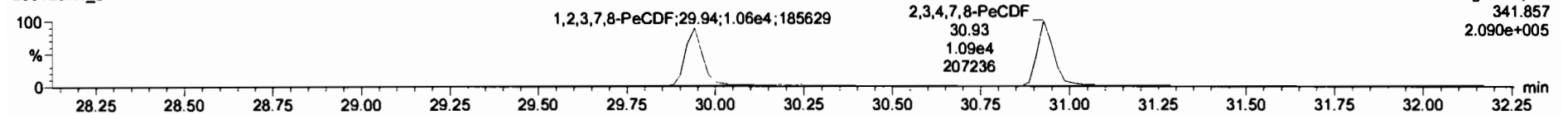
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1,2,3,7,8-PeCDF

200128K1_3

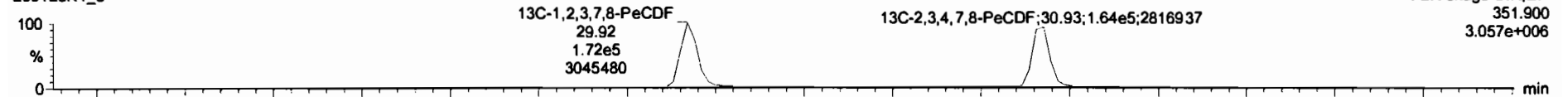


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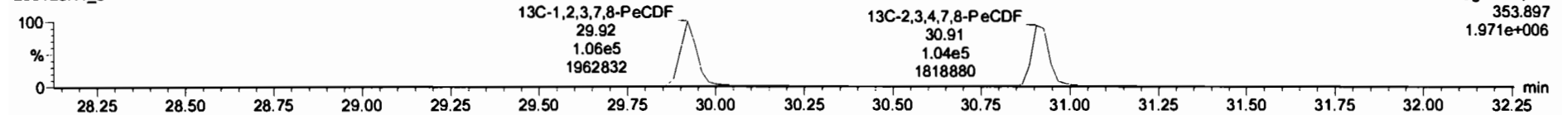


13C-1,2,3,7,8-PeCDF

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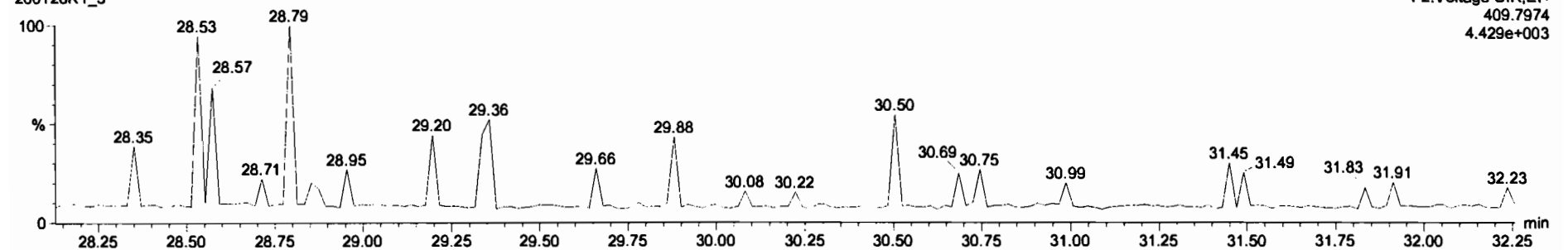


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DPE2

200128K1_3



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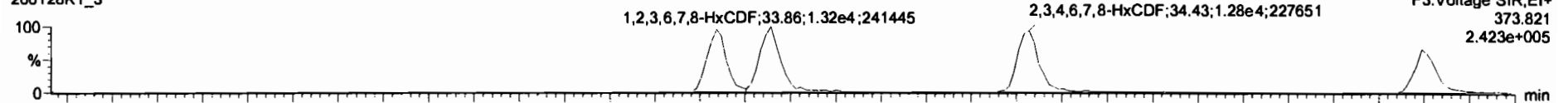
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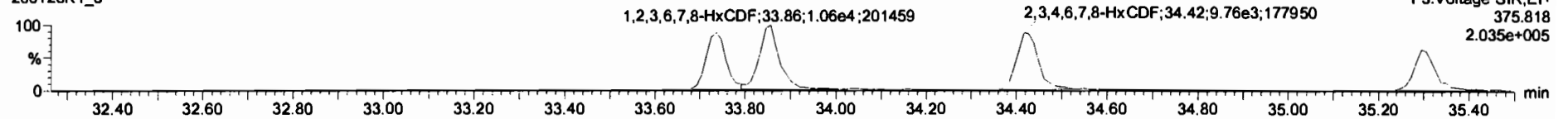
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1,2,3,4,7,8-HxCDF

200128K1_3

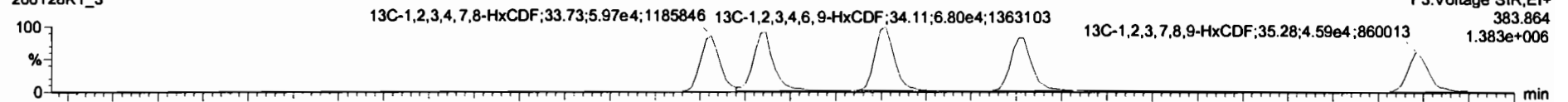


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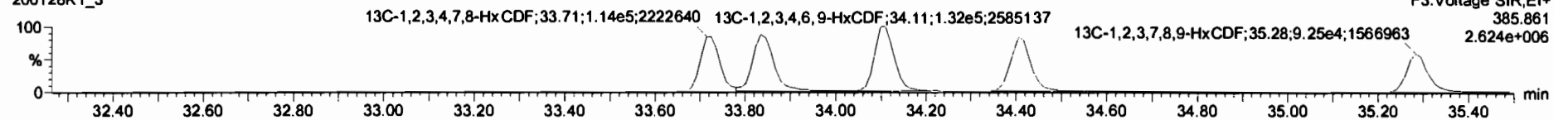


13C-1,2,3,4,7,8-HxCDF

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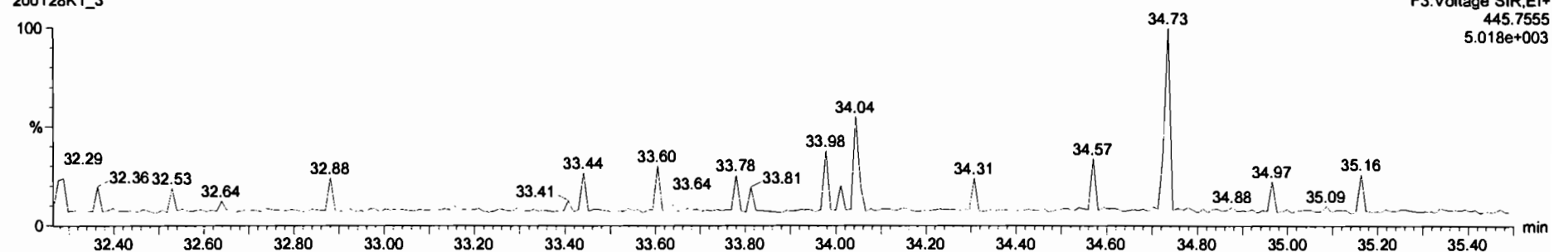


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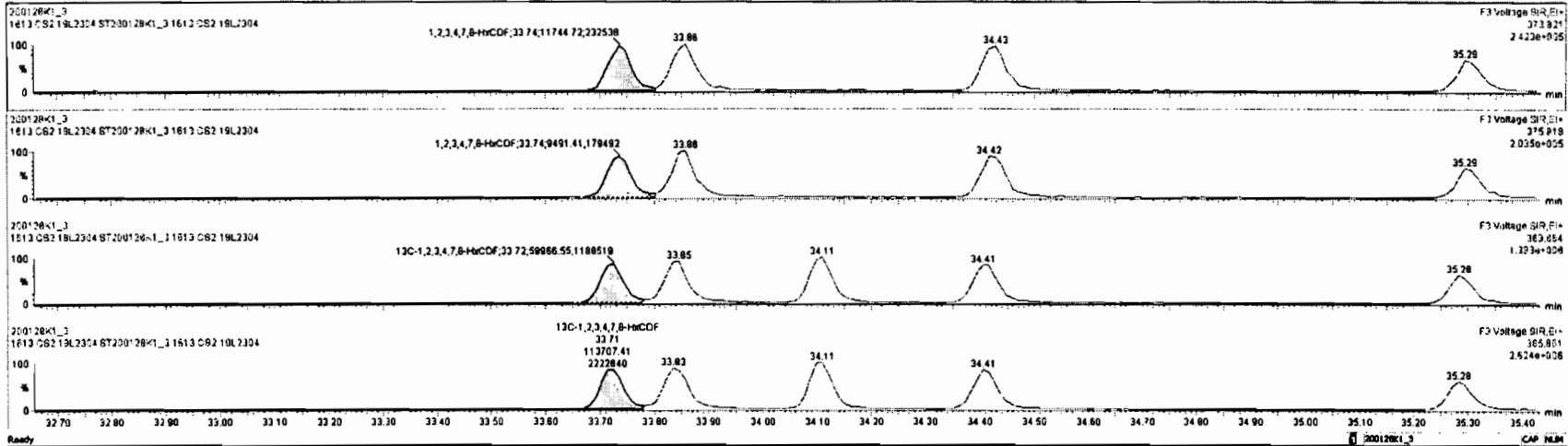


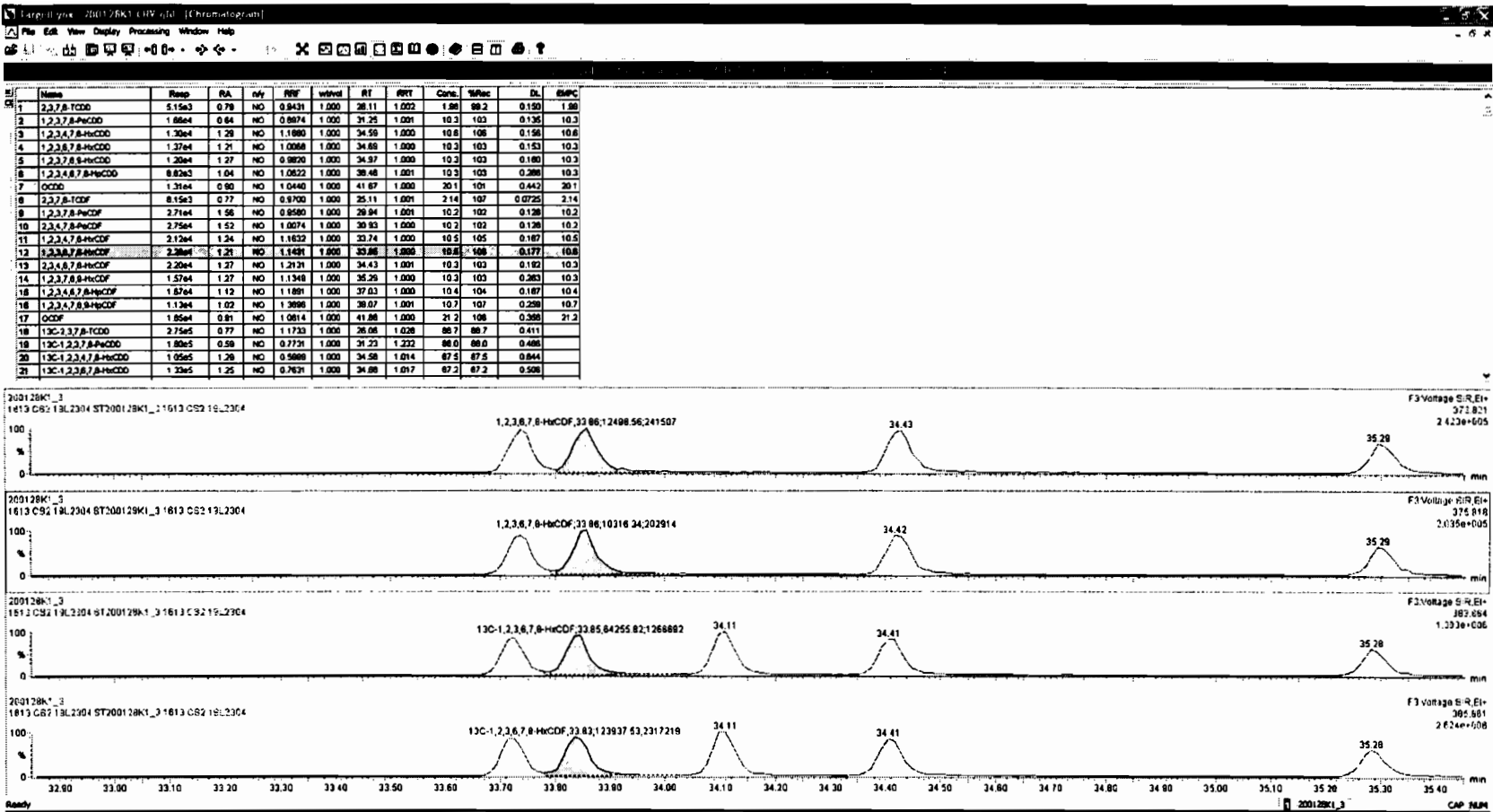
DPE3

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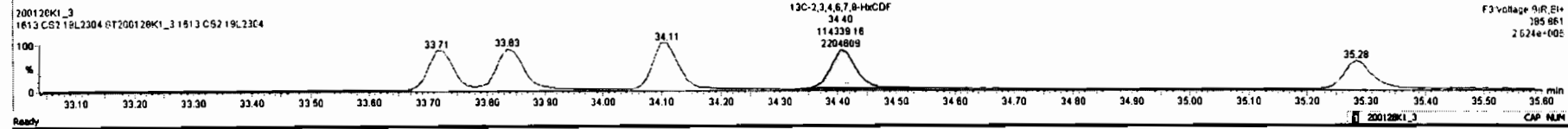
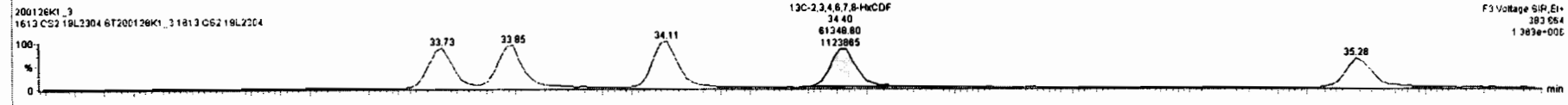
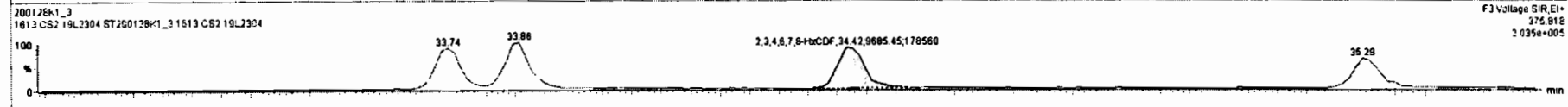
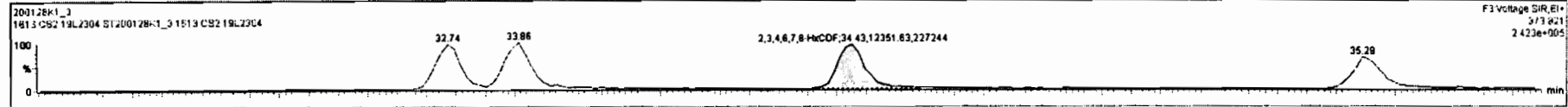


#	Name	Resp	RA	nHy	RF	wtVol	RT	RRT	Conc	%Rec	DL	BPIC
1	1,2,3,7,8-TCDD	5.15e3	0.78	NO	0.8431	1.000	26.11	1.002	1.98	99.2	0.150	1.88
2	1,2,3,7,8-PeCDD	1.88e4	0.84	NO	0.8974	1.000	31.25	1.001	10.2	103	0.135	10.3
3	1,2,3,4,7,8-HxCDD	1.30e4	1.28	NO	1.1880	1.000	34.58	1.000	10.6	108	0.158	10.6
4	1,2,3,6,7,8-HxCDD	1.37e4	1.21	NO	1.0088	1.000	34.89	1.000	10.3	103	0.153	10.3
5	1,2,3,7,8,9-HxCDD	1.20e4	1.27	NO	0.9820	1.000	34.87	1.000	10.3	103	0.180	10.3
6	1,2,3,4,6,7,8-HpCDD	8.82e3	1.04	NO	1.0822	1.000	38.46	1.001	10.3	103	0.288	10.3
7	OCDD	1.21e4	0.90	NO	1.0440	1.000	41.87	1.000	20.1	101	0.442	20.1
8	1,2,3,7,8-TCDF	8.15e3	0.77	NO	0.8700	1.000	25.11	1.001	2.14	107	0.0725	2.14
9	1,2,3,7,8-PeCDF	2.71e4	1.36	NO	0.8590	1.000	29.94	1.001	10.2	102	0.128	10.2
10	1,2,3,4,7,8-HxCDF	2.75e4	1.52	NO	1.0874	1.000	30.83	1.000	10.2	102	0.128	10.2
11	1,2,3,6,7,8-HxCDF	2.15e4	1.26	NO	1.1822	1.000	33.74	1.000	10.6	106	0.187	10.6
12	1,2,3,7,8,9-HxCDF	2.28e4	1.21	NO	1.1431	1.000	33.86	1.000	10.6	106	0.177	10.6
13	1,2,3,4,6,7,8-HpCDF	2.20e4	1.27	NO	1.2131	1.000	34.43	1.001	10.3	103	0.182	10.3
14	1,2,3,7,8,9-HpCDF	1.57e4	1.27	NO	1.1348	1.000	35.28	1.000	10.3	103	0.283	10.3
15	1,2,3,4,6,7,8-HxCDF	1.67e4	1.12	NO	1.1891	1.000	37.03	1.000	10.4	104	0.187	10.4
16	1,2,3,4,7,8,9-HpCDF	1.13e4	1.02	NO	1.3895	1.000	38.07	1.001	10.7	107	0.258	10.7
17	OCDF	1.85e4	0.91	NO	1.0814	1.000	41.88	1.000	21.2	108	0.358	21.2
18	13C-1,2,3,7,8-TCDD	2.75e5	0.77	NO	1.1733	1.000	26.06	1.026	88.7	88.7	0.411	
19	13C-1,2,3,7,8-PeCDD	1.80e5	0.58	NO	0.7731	1.000	31.23	1.232	88.0	88.0	0.486	
20	13C-1,2,3,4,7,8-HxCDD	1.05e5	1.28	NO	0.5888	1.000	34.58	1.014	87.5	87.5	0.644	
21	13C-1,2,3,6,7,8-HxCDD	1.33e5	1.25	NO	0.7831	1.000	34.68	1.017	87.2	87.2	0.508	



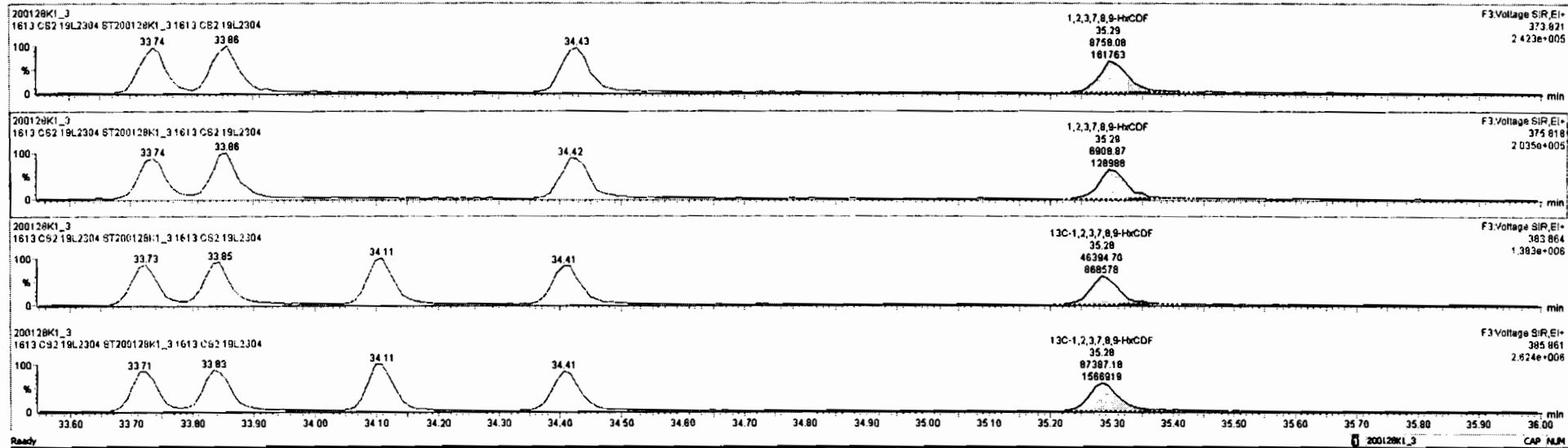


#	Name	Rate	RA	nly	RRF	wAval	RT	RRT	Conc	%Rec	DL	BaPC
1	2,3,7,8-TCDD	5.15e3	0.78	NO	0.8431	1.000	26.11	1.002	1.86	98.2	0.150	1.90
2	1,2,3,7,8-PeCDD	1.88e4	0.84	NO	0.8674	1.000	31.25	1.001	10.3	103	0.135	10.3
3	1,2,3,4,7,8-HxCDD	1.30e4	1.28	NO	1.1680	1.000	34.58	1.000	10.6	106	0.158	10.6
4	1,2,3,6,7,8-HxCDD	1.37e4	1.21	NO	1.0088	1.000	34.89	1.000	10.3	103	0.153	10.3
5	1,2,3,7,8,9-HxCDD	1.20e4	1.27	NO	0.9620	1.000	34.97	1.000	10.3	103	0.180	10.3
6	1,2,3,4,6,7,8-HpCDD	8.82e3	1.04	NO	1.0622	1.000	38.46	1.001	10.3	103	0.268	10.3
7	OCDD	1.31e4	0.80	NO	1.0440	1.000	41.87	1.000	20.1	101	0.442	20.1
8	2,3,7,8-TCDF	8.15e3	0.77	NO	0.8700	1.000	25.11	1.001	2.14	107	0.0725	2.14
9	1,2,3,7,8-PeCDF	2.71e4	1.58	NO	0.9580	1.000	29.94	1.001	10.2	102	0.128	10.2
10	1,2,3,4,7,8-HxCDF	2.75e4	1.52	NO	1.0074	1.000	30.93	1.000	10.2	102	0.128	10.2
11	1,2,3,4,7,8-HxCDF	2.12e4	1.24	NO	1.1632	1.000	33.74	1.000	10.5	105	0.187	10.5
12	1,2,3,6,7,8-HxCDF	2.28e4	1.21	NO	1.1431	1.000	33.86	1.000	10.6	106	0.177	10.6
13	2,3,4,6,7,8-HxCDF	2.20e4	1.27	NO	1.2131	1.000	34.43	1.001	10.3	103	0.182	10.3
14	1,2,3,7,8,9-HxCDF	1.57e4	1.27	NO	1.1249	1.000	35.29	1.000	10.3	103	0.283	10.3
15	1,2,3,4,6,7,8-HpCDF	1.67e4	1.12	NO	1.1881	1.000	37.03	1.000	10.4	104	0.187	10.4
16	1,2,3,4,7,8,9-HpCDF	1.13e4	1.02	NO	1.3898	1.000	38.07	1.001	10.7	107	0.259	10.7
17	OCDF	1.85e4	0.91	NO	1.0814	1.000	41.86	1.000	21.2	108	0.358	21.2
18	13C-2,3,7,8-TCDD	2.75e5	0.77	NO	1.1733	1.000	26.06	1.028	88.7	88.7	0.411	
19	13C-1,2,3,7,8-PeCDD	1.80e5	0.98	NO	0.7731	1.000	31.23	1.232	88.0	88.0	0.488	
20	13C-1,2,3,4,7,8-HxCDD	1.05e5	1.28	NO	0.9988	1.000	34.58	1.014	87.5	87.5	0.844	
21	13C-1,2,3,6,7,8-HxCDD	1.33e5	1.25	NO	0.7831	1.000	34.68	1.017	87.2	87.2	0.908	





#	Name	Resp	RA	inj	RRF	wtAdj	RT	RRT	Conc.	%Rec	DL	EMPC
1	1,2,3,7,8-TCDD	5.15e3	0.78	NO	0.9431	1.000	26.11	1.002	1.98	99.2	0.150	1.99
2	1,2,3,7,8-PeCDD	1.66e4	0.64	NO	0.6674	1.000	31.25	1.001	10.3	103	0.135	10.3
3	1,2,3,4,7,8-HxCDD	1.30e4	1.26	NO	1.1680	1.000	34.58	1.000	10.6	106	0.156	10.6
4	1,2,3,6,7,8-HxCDD	1.37e4	1.21	NO	1.0058	1.000	34.69	1.000	10.3	103	0.153	10.3
5	1,2,3,7,8,9-HxCDD	1.20e4	1.27	NO	0.9620	1.000	34.87	1.000	10.3	103	0.180	10.3
6	1,2,3,4,6,7,8-HpCDD	8.82e3	1.04	NO	1.0622	1.000	38.48	1.001	10.3	103	0.266	10.3
7	OCDD	1.31e4	0.90	NO	1.0440	1.000	41.87	1.000	20.1	101	0.442	20.1
8	1,2,3,7,8-TCDF	8.15e3	0.77	NO	0.9700	1.000	25.11	1.001	2.14	107	0.0725	2.14
9	1,2,3,7,8-PeCDF	2.71e4	1.56	NO	0.9580	1.000	29.94	1.001	10.2	102	0.126	10.2
10	1,2,3,4,7,8-PeCDF	2.75e4	1.52	NO	1.0074	1.000	30.83	1.000	10.2	102	0.126	10.2
11	1,2,3,4,7,8-HxCDF	2.12e4	1.24	NO	1.1632	1.000	33.74	1.000	10.5	105	0.187	10.5
12	1,2,3,6,7,8-HxCDF	2.28e4	1.21	NO	1.1431	1.000	33.86	1.000	10.6	106	0.177	10.6
13	1,2,3,4,6,7,8-HxCDF	2.20e4	1.27	NO	1.2131	1.000	34.43	1.001	10.3	103	0.192	10.3
14	1,2,3,7,8,9-HxCDF	1.52e4	1.27	NO	1.1348	1.000	35.29	1.000	10.3	103	0.283	10.3
15	1,2,3,4,6,7,8-HpCDF	1.67e4	1.12	NO	1.1991	1.000	37.03	1.000	10.4	104	0.197	10.4
16	1,2,3,4,7,8,9-HpCDF	1.13e4	1.02	NO	1.3696	1.000	39.07	1.001	10.7	107	0.298	10.7
17	OCDF	1.85e4	0.91	NO	1.0614	1.000	41.86	1.000	21.2	106	0.356	21.2
18	13C-1,2,3,7,8-TCDD	2.75e5	0.77	NO	1.1732	1.000	26.08	1.028	88.7	88.7	0.411	
19	13C-1,2,3,7,8-PeCDD	1.80e5	0.58	NO	0.7731	1.000	31.23	1.222	88.0	88.0	0.486	
20	13C-1,2,3,4,7,8-HxCDD	1.05e5	1.29	NO	0.9989	1.000	34.58	1.014	87.5	87.5	0.644	
21	13C-1,2,3,6,7,8-HxCDD	1.32e5	1.25	NO	0.7831	1.000	34.88	1.017	87.2	87.2	0.508	

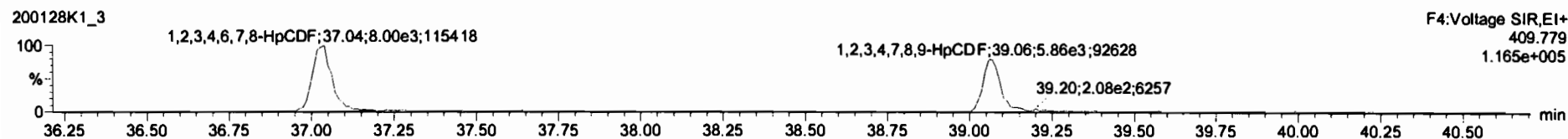
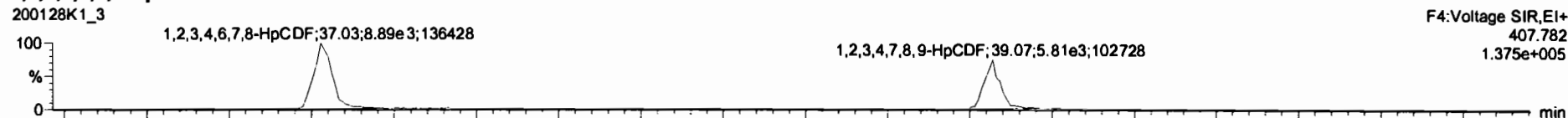


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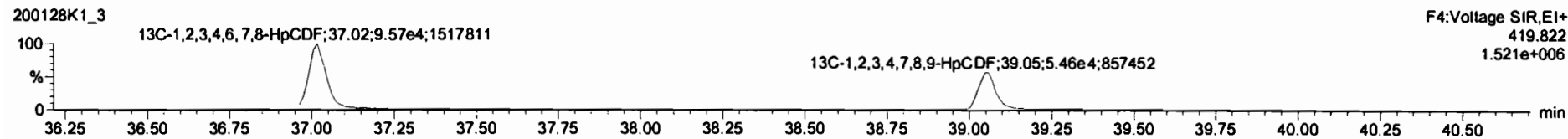
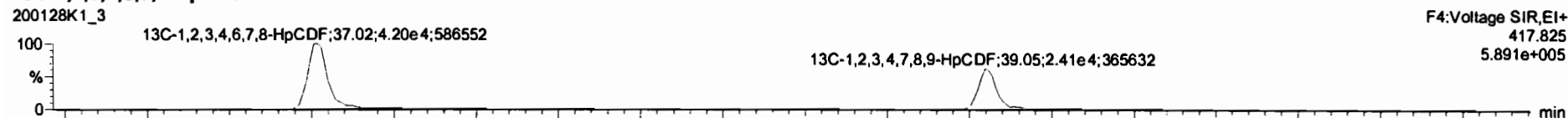
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Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

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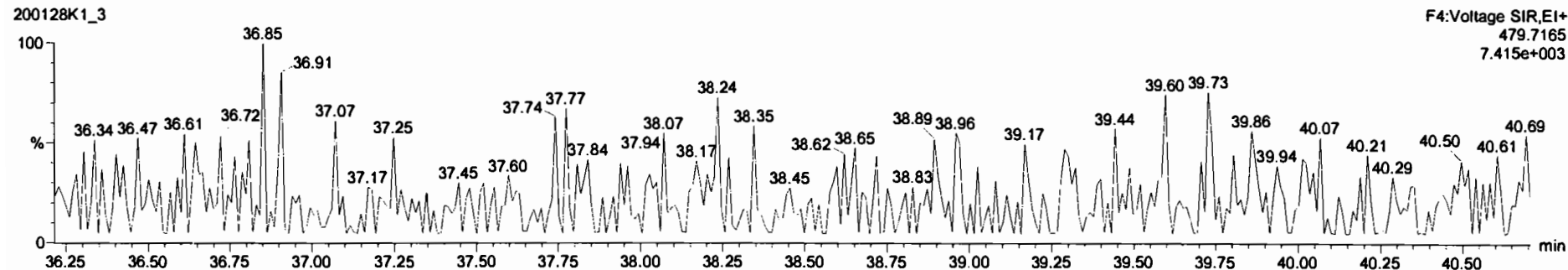
1,2,3,4,6,7,8-HpCDF

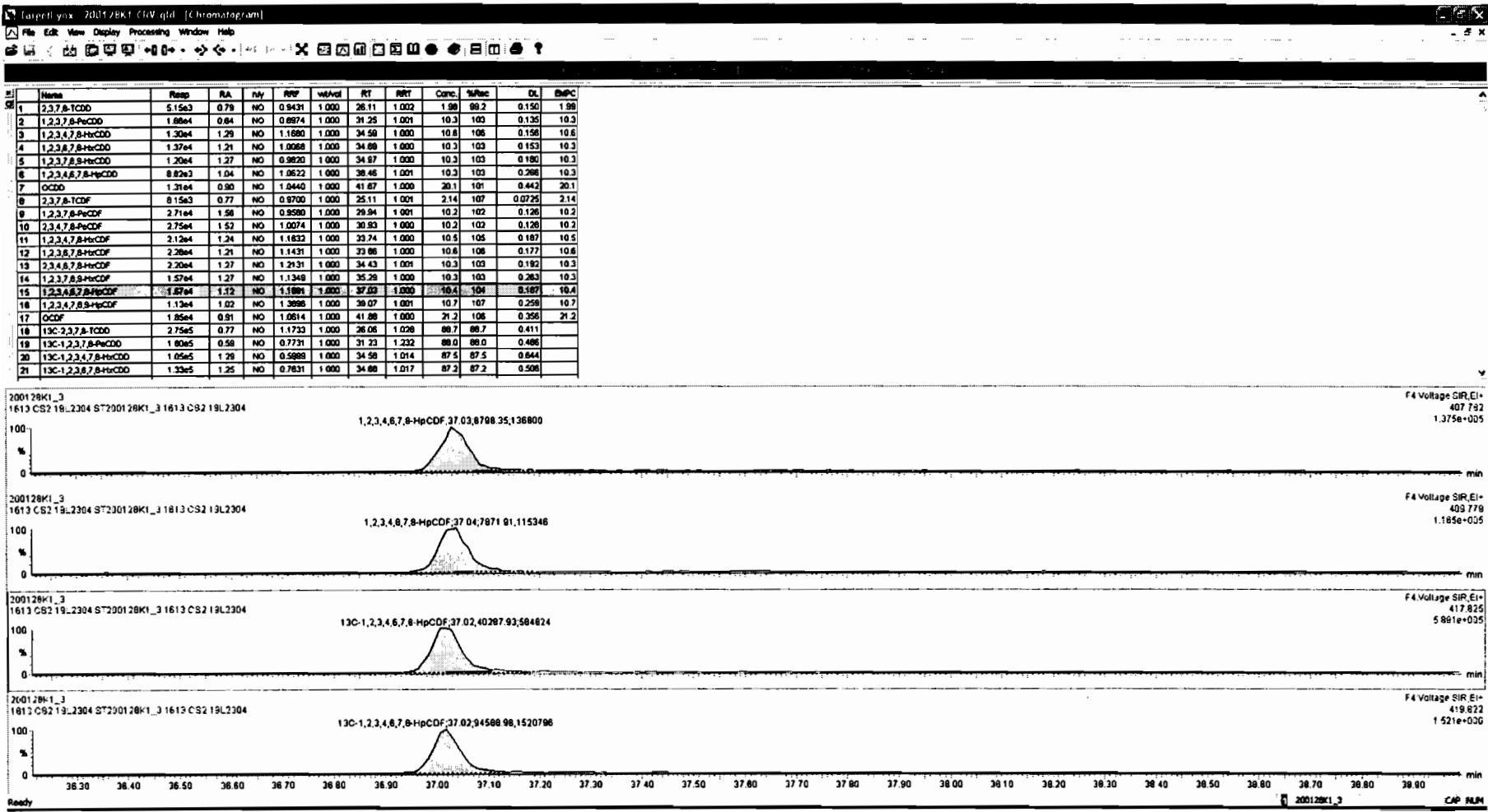


13C-1,2,3,4,6,7,8-HpCDF

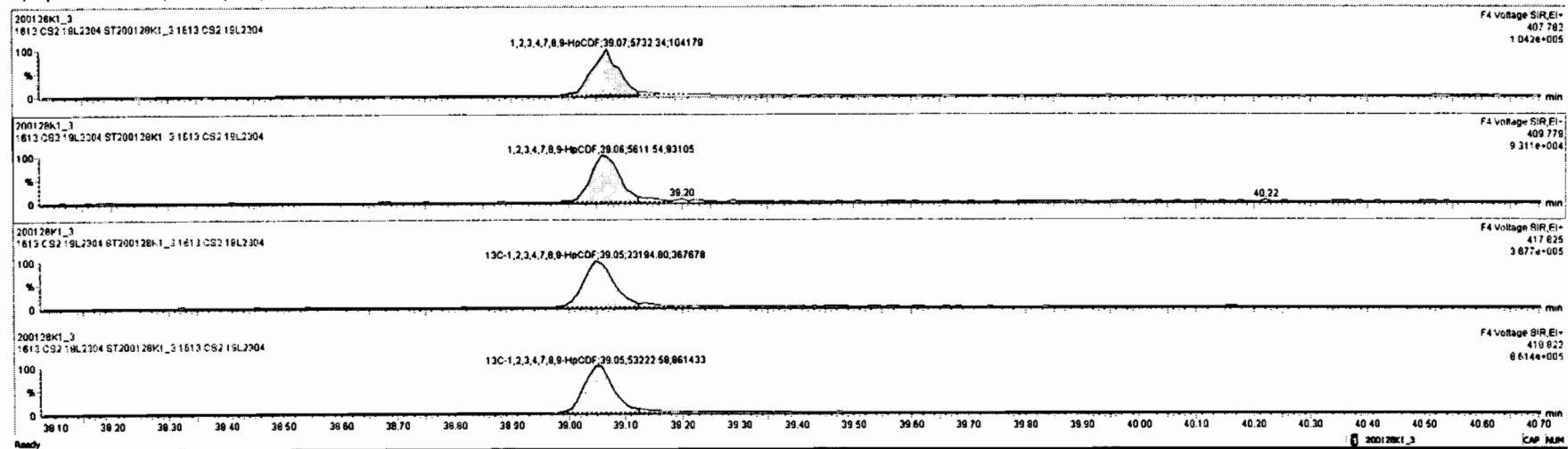


DPE4





SI	Name	Resp	RA	rvf	RRF	whval	RT	RRT	Conc	WRec	DL	BPC
1	2,3,7,8-TCDD	5.15e3	0.78	NO	0.9431	1.000	28.11	1.000	1.98	99.2	0.150	1.98
2	1,2,3,7,8-PeCDD	1.88e4	0.84	NO	0.8974	1.000	31.25	1.001	10.3	100	0.135	10.3
3	1,2,3,4,7,8-HxCDD	1.30e4	1.29	NO	1.1880	1.000	34.58	1.000	10.6	106	0.158	10.6
4	1,2,3,6,7,8-HxCDD	1.37e4	1.21	NO	1.0088	1.000	34.88	1.000	10.3	103	0.153	10.3
8	1,2,3,7,8,9-HxCDD	1.20e4	1.27	NO	0.9820	1.000	34.87	1.000	10.3	103	0.180	10.3
9	1,2,3,4,6,7,8-HpCDD	8.82e3	1.04	NO	1.0622	1.000	36.46	1.001	10.3	103	0.285	10.3
7	OCDD	1.31e4	0.90	NO	1.0440	1.000	41.87	1.000	20.1	101	0.442	20.1
8	2,3,7,8-TCDF	8.15e3	0.77	NO	0.9700	1.000	25.11	1.001	2.14	107	0.0725	2.14
9	1,2,3,7,8-PeCDF	2.71e4	1.36	NO	0.8580	1.000	29.34	1.001	10.3	103	0.128	10.3
10	2,3,4,7,8-PeCDF	2.75e4	1.52	NO	1.0074	1.000	30.83	1.000	10.2	102	0.128	10.2
11	1,2,3,4,7,8-HxCDF	2.12e4	1.24	NO	1.1432	1.000	33.74	1.000	10.5	105	0.187	10.5
12	1,2,3,6,7,8-HxCDF	2.28e4	1.21	NO	1.1231	1.000	34.43	1.001	10.3	103	0.192	10.3
13	2,3,4,6,7,8-HxCDF	2.28e4	1.27	NO	1.1429	1.000	33.86	1.000	10.6	106	0.177	10.6
14	1,2,3,7,8,9-HxCDF	1.57e4	1.27	NO	1.1349	1.000	35.29	1.000	10.3	103	0.263	10.3
16	1,2,3,5,6,7,8-HpCDF	1.67e4	1.12	NO	1.1891	1.000	37.03	1.000	10.4	104	0.187	10.4
18	2,3,4,6,7,8-HpCDF	1.13e4	1.02	NO	1.2898	1.000	38.87	1.001	10.7	107	0.288	10.7
17	OCDF	1.85e4	0.91	NO	1.0814	1.000	41.88	1.000	21.2	108	0.358	21.2
19	13C-2,3,7,8-TCDD	2.75e5	0.77	NO	1.1733	1.000	28.08	1.028	98.7	98.7	0.411	
18	13C-1,2,3,7,8-PeCDD	1.80e5	0.98	NO	0.7731	1.000	31.23	1.232	98.0	98.0	0.488	
20	13C-1,2,3,4,7,8-HxCDD	1.05e5	1.29	NO	0.5989	1.000	34.58	1.014	87.5	87.5	0.844	
21	13C-1,2,3,6,7,8-HxCDD	1.32e5	1.25	NO	0.7631	1.000	34.68	1.017	87.2	87.2	0.508	

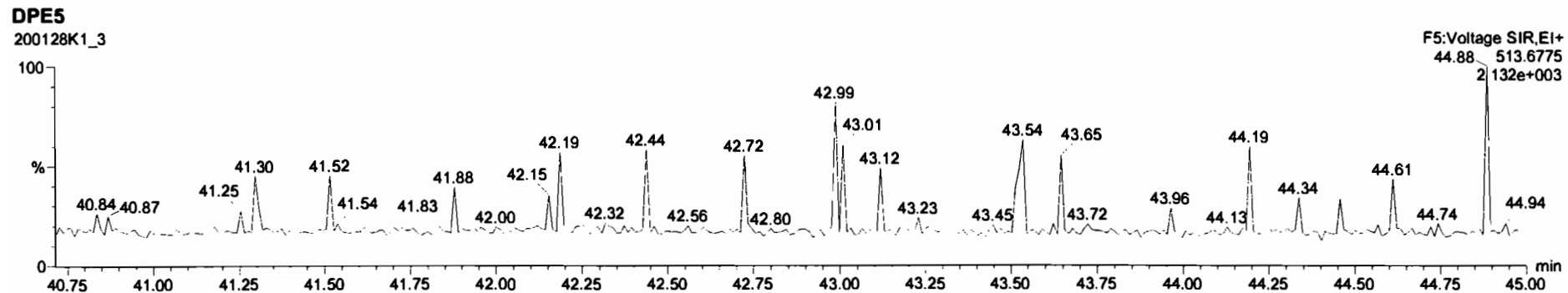
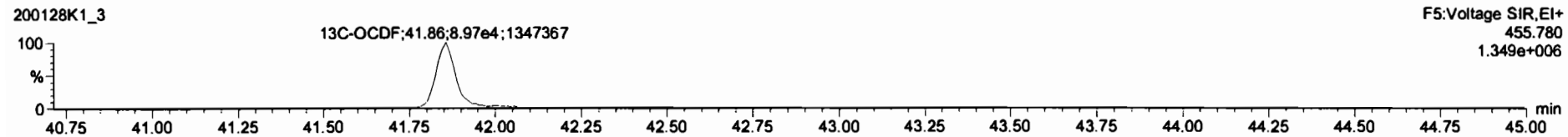
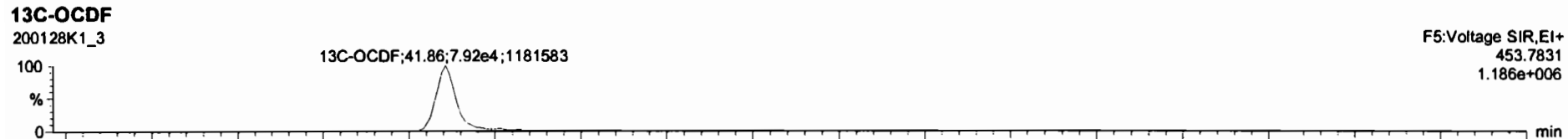
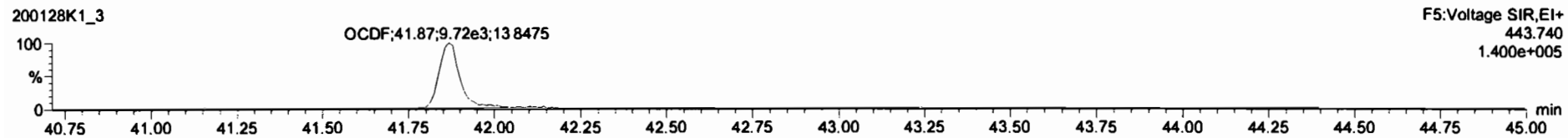
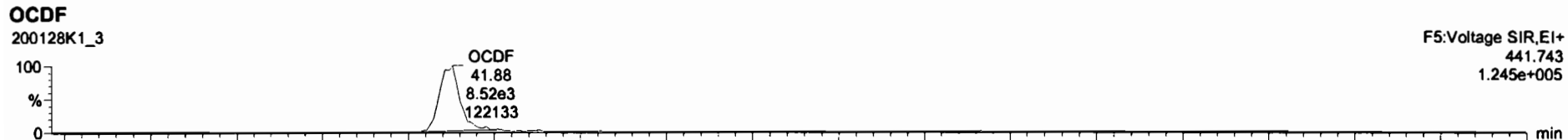


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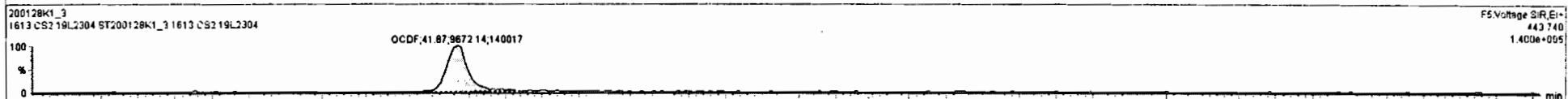
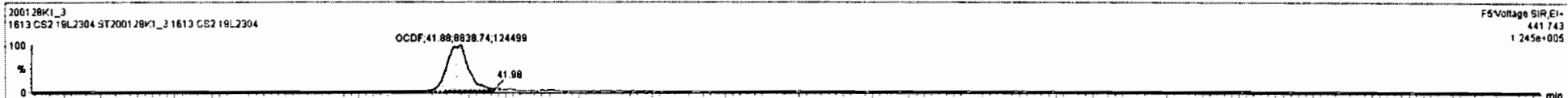
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Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

Name: 200128K1_3, Date: 28-Jan-2020, Time: 13:45:10, ID: ST200128K1_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304



Name	Resp	RA	nly	RRF	wtVal	RT	RRT	Conc.	%Rec	DL	ExPC
1 2,3,7,8-TCDD	5.15e3	0.79	NO	0.9431	1.000	26.11	1.002	1.98	99.2	0.150	1.98
2 1,2,3,7,8-PeCDD	1.66e4	0.64	NO	0.8974	1.000	31.25	1.001	10.3	103	0.135	10.3
3 1,2,3,4,7,8-HxCDD	1.30e4	1.29	NO	1.1680	1.000	34.59	1.000	10.6	106	0.156	10.6
4 1,2,3,6,7,8-HxCDD	1.37e4	1.21	NO	1.0068	1.000	34.68	1.000	10.3	103	0.153	10.3
5 1,2,3,7,8,9-HxCDD	1.20e4	1.27	NO	0.9820	1.000	34.97	1.000	10.3	103	0.180	10.3
6 1,2,3,4,6,7,8-HpCDD	8.82e3	1.04	NO	1.0522	1.000	38.46	1.001	10.3	103	0.266	10.3
7 OCDF	1.31e4	0.90	NO	1.0440	1.000	41.67	1.000	20.1	101	0.442	20.1
8 2,3,7,8-TCDF	8.15e3	0.77	NO	0.9700	1.000	25.11	1.001	2.14	107	0.0725	2.14
9 1,2,3,7,8-PeCDF	2.71e4	1.56	NO	0.9580	1.000	29.94	1.001	10.2	102	0.128	10.2
10 1,2,3,4,7,8-PeCDF	2.75e4	1.52	NO	1.0074	1.000	30.93	1.000	10.2	102	0.128	10.2
11 1,2,3,4,7,8-HxCDF	2.12e4	1.24	NO	1.1632	1.000	33.74	1.000	10.5	105	0.187	10.5
12 1,2,3,6,7,8-HxCDF	2.28e4	1.21	NO	1.1431	1.000	33.86	1.000	10.6	106	0.177	10.6
13 2,3,4,6,7,8-HxCDF	2.20e4	1.27	NO	1.2131	1.000	34.43	1.001	10.3	103	0.192	10.3
14 1,2,3,7,8,9-HxCDF	1.57e4	1.27	NO	1.1348	1.000	35.26	1.000	10.3	103	0.263	10.3
15 1,2,3,4,6,7,8-HpCDF	1.67e4	1.12	NO	1.1891	1.000	37.03	1.000	10.4	104	0.187	10.4
16 1,2,3,4,7,8,9-HpCDF	1.13e4	1.02	NO	1.3896	1.000	38.07	1.001	10.7	107	0.259	10.7
17 OCDF	1.86e4	0.91	NO	1.0914	1.000	41.88	1.000	21.2	108	0.566	21.2
18 13C-2,3,7,8-TCDD	2.75e5	0.77	NO	1.1733	1.000	26.06	1.028	88.7	88.7	0.411	
19 13C-1,2,3,7,8-PeCDD	1.80e5	0.59	NO	0.7731	1.000	31.23	1.232	88.0	88.0	0.486	
20 13C-1,2,3,4,7,8-HxCDD	1.05e5	1.29	NO	0.5998	1.000	34.58	1.014	87.5	87.5	0.844	
21 13C-1,2,3,6,7,8-HxCDD	1.33e5	1.25	NO	0.7831	1.000	34.68	1.017	87.2	87.2	0.506	



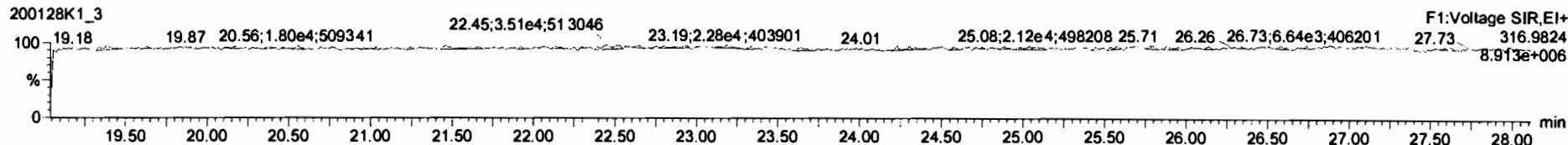
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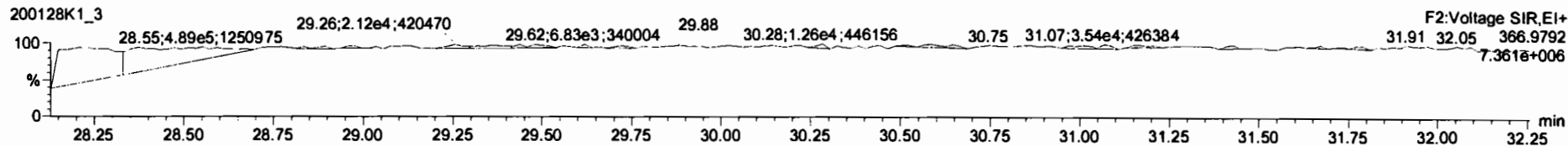
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Name: 200128K1_3, Date: 28-Jan-2020, Time: 13:45:10, ID: ST200128K1_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

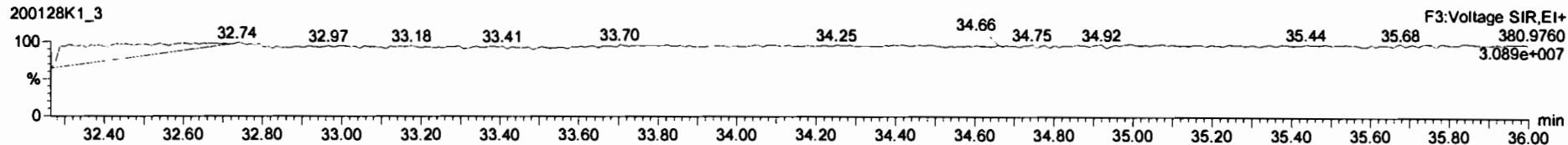
PFK1



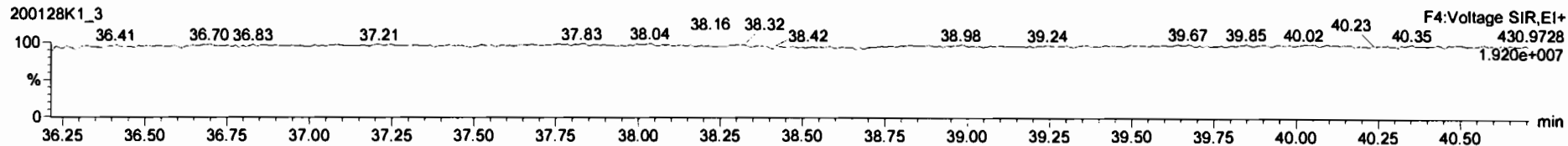
PFK2



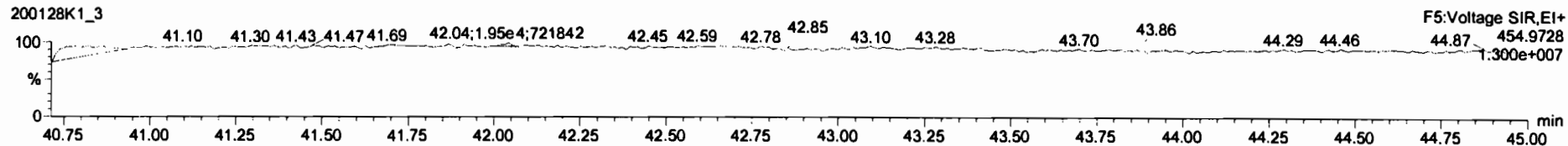
PFK3



PFK4



PFK5



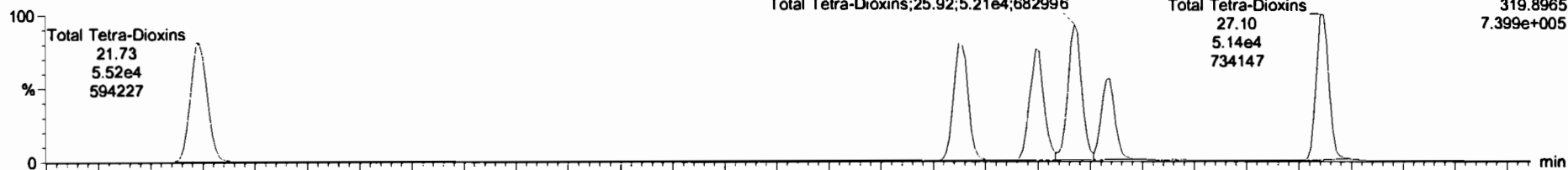
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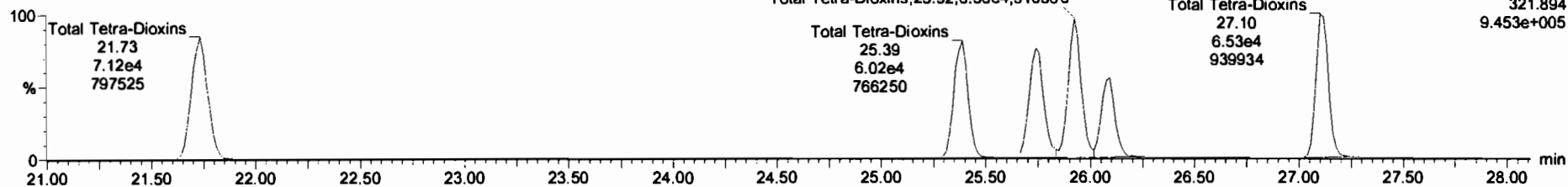
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2,3,7,8-TCDD

200128K1_6

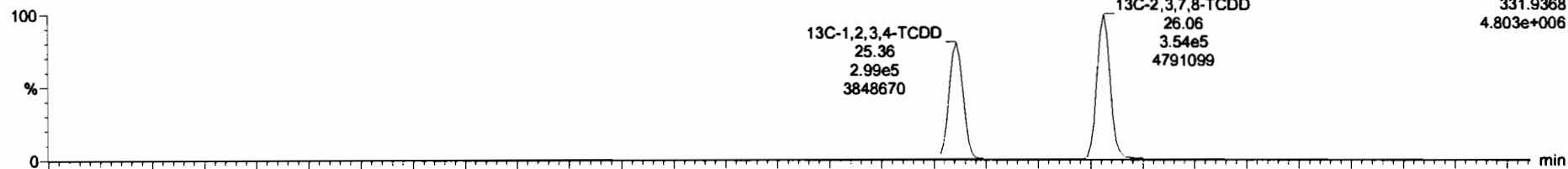


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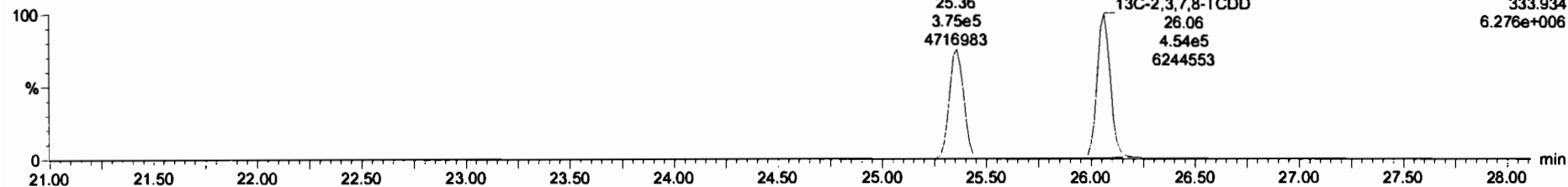


13C-2,3,7,8-TCDD

200128K1_6



200128K1_6



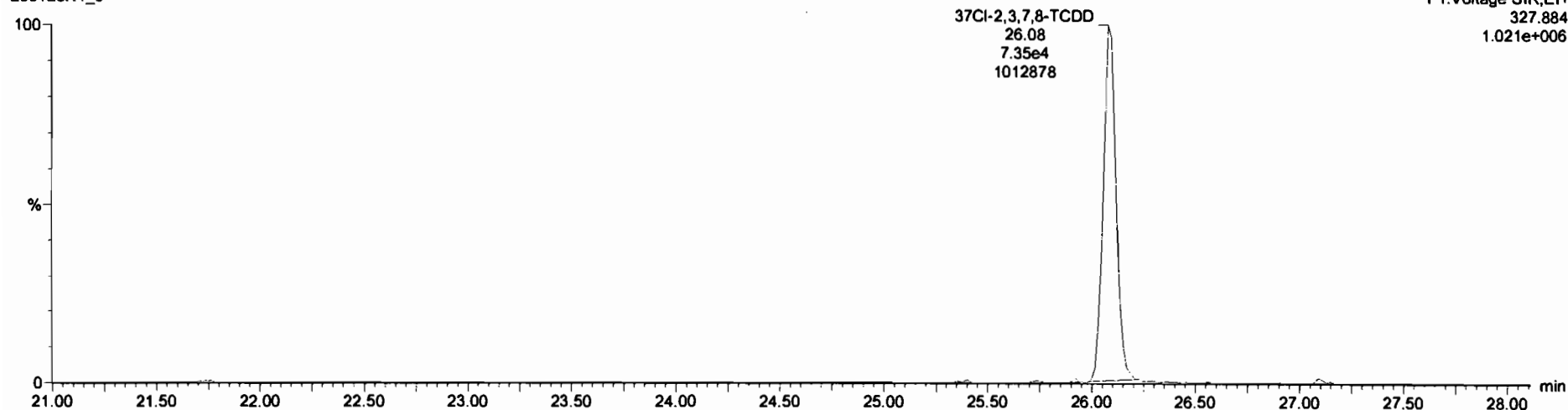
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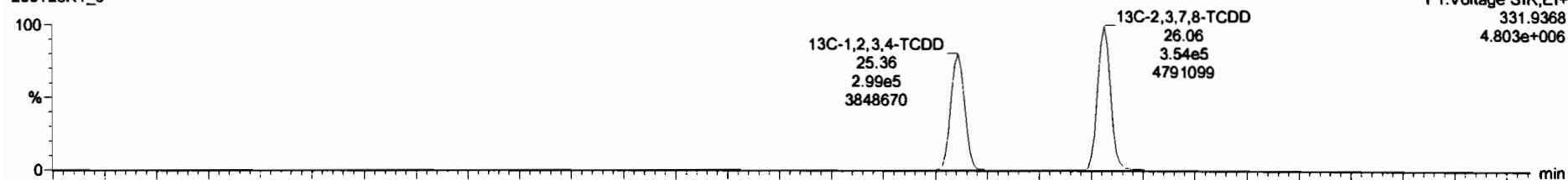
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200128K1_6

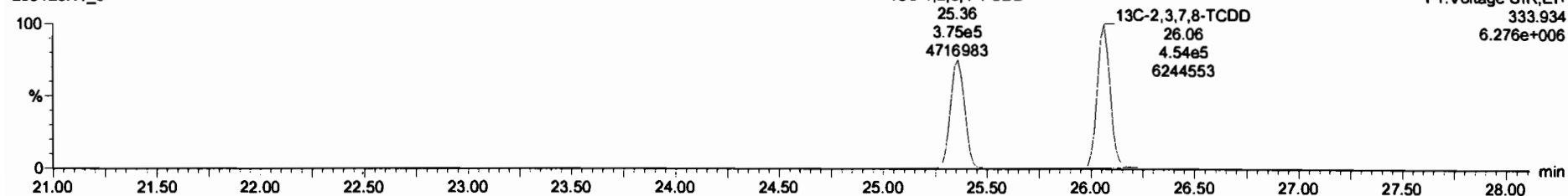


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200128K1_6



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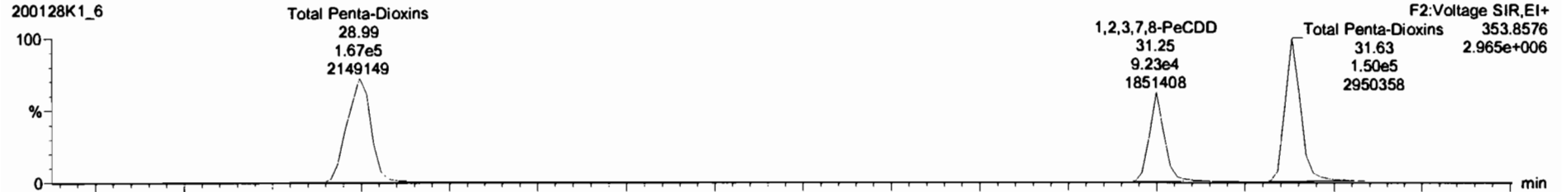
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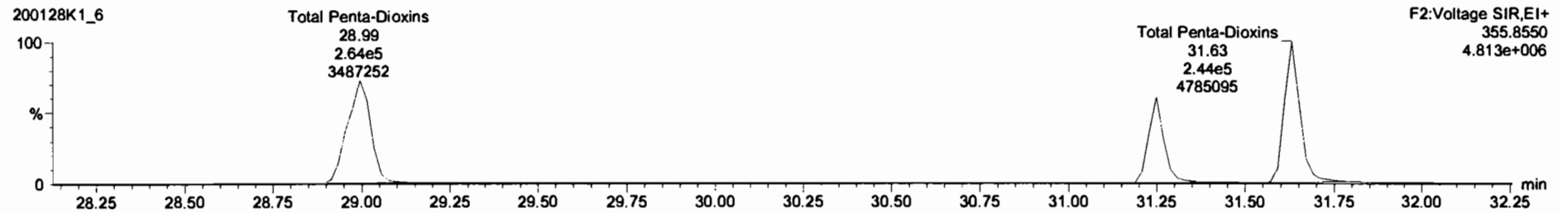
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1,2,3,7,8-PeCDD

200128K1_6

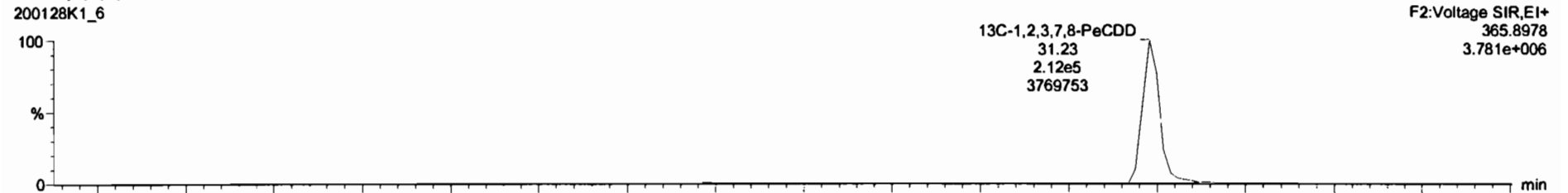


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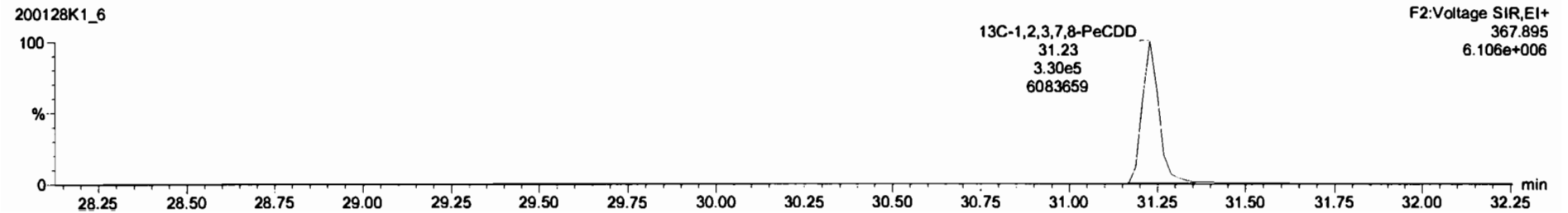


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200128K1_6



200128K1_6



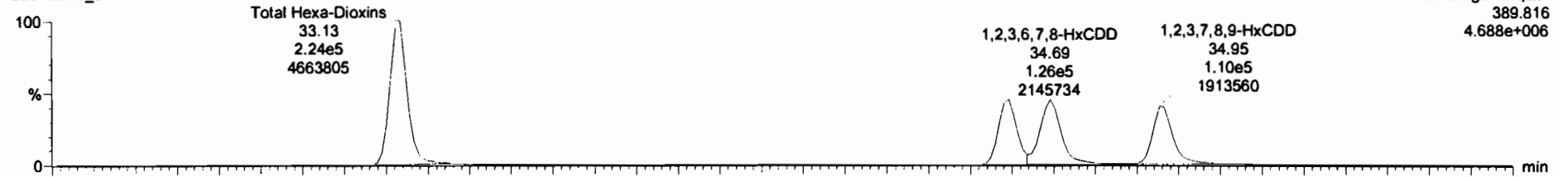
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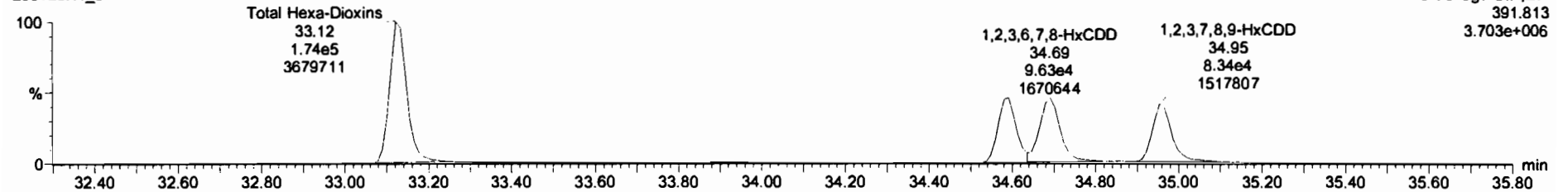
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1,2,3,4,7,8-HxCDD

200128K1_6

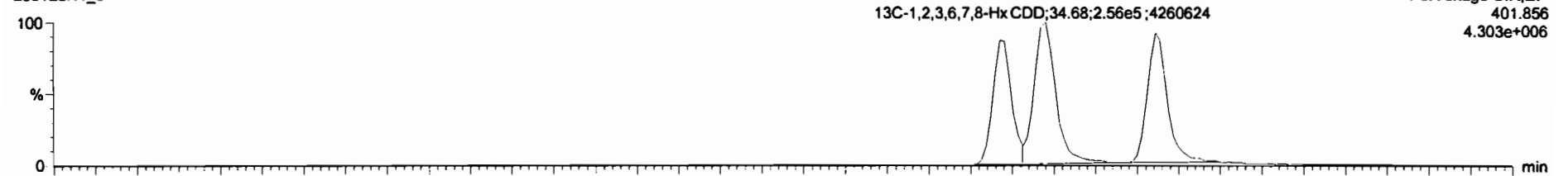


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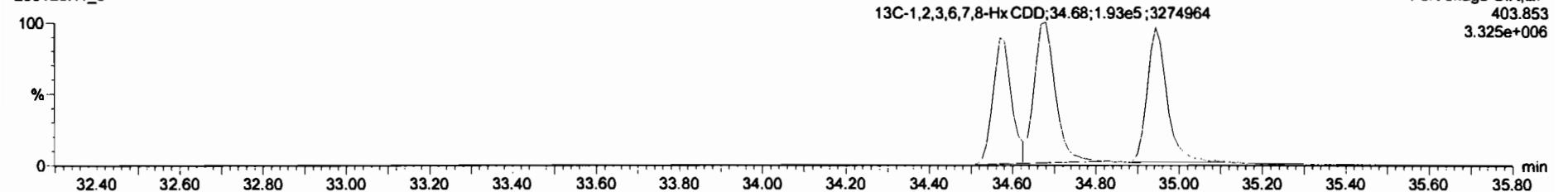


13C-1,2,3,4,7,8-HxCDD

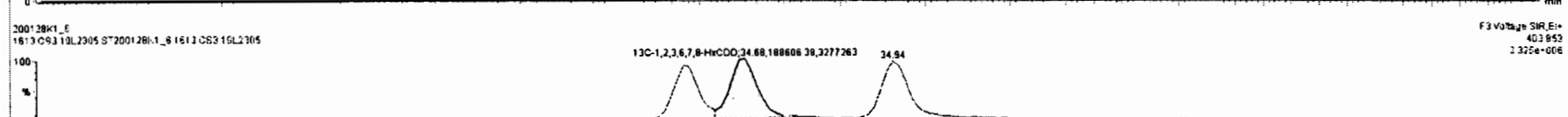
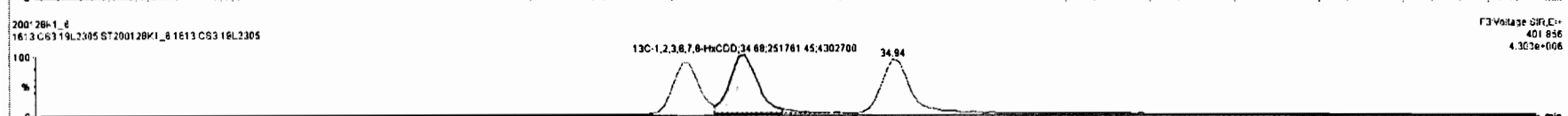
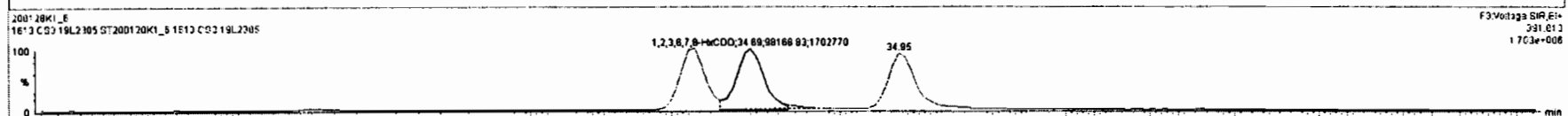
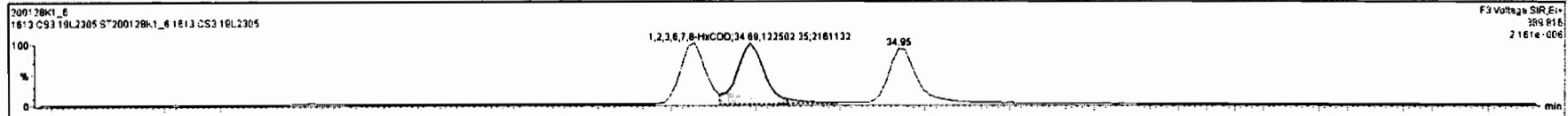
200128K1_6



200128K1_6



#	Name	Resp	RA	Int	RPV	WtVal	RT	RRT	Conc	%Rec	DL	ELPC
1	1,2,3,6,7,8-TCDD	7.15e4	0.78	NO	0.9431	1.000	28.08	1.001	9.30	93.8	0.0749	9.30
2	1,2,3,7,8-PeCDD	2.41e5	0.82	NO	0.8974	1.000	31.25	1.001	49.6	99.2	0.137	49.8
3	1,2,3,4,7,8-HxCDD	1.97e5	1.27	NO	1.1880	1.000	34.58	1.001	48.4	98.8	0.248	48.4
4	1,2,3,6,7,8-HxCDD	2.21e6	1.26	NO	1.0089	1.000	34.88	1.000	48.8	99.6	0.283	48.8
5	1,2,3,7,8-HxCDD	1.83e5	1.32	NO	0.9820	1.000	34.85	1.000	49.7	99.3	0.279	49.7
6	1,2,3,4,6,7,8-HpCDD	1.35e5	1.05	NO	1.0822	1.000	36.43	1.000	49.0	99.1	0.383	49.0
7	OCDD	2.34e5	0.90	NO	1.0440	1.000	41.88	1.000	98.3	98.3	0.351	98.3
8	2,3,7,8-TCDF	1.08e5	0.78	NO	0.9700	1.000	25.10	1.001	9.72	97.2	0.0869	9.72
9	1,2,3,7,8-PeCDF	3.98e5	1.61	NO	0.9580	1.000	29.94	1.001	49.7	98.4	0.0916	49.7
10	2,3,4,7,8-PeCDF	3.98e5	1.58	NO	1.0074	1.000	30.93	1.000	50.2	100	0.0849	50.2
11	1,2,3,4,7,8-HxCDF	3.10e5	1.25	NO	1.1832	1.000	33.74	1.001	47.9	95.8	0.211	47.9
12	1,2,3,6,7,8-HxCDF	3.88e5	1.20	NO	1.1431	1.000	33.85	1.000	49.8	99.6	0.203	49.8
13	2,3,4,6,7,8-HxCDF	3.43e5	1.26	NO	1.2131	1.000	34.42	1.000	49.3	98.8	0.214	49.3
14	1,2,3,7,8-HxCDF	2.80e5	1.25	NO	1.1349	1.000	35.29	1.000	49.7	99.4	0.296	49.7
15	1,2,3,4,6,7,8-HpCDF	2.58e5	1.04	NO	1.1881	1.000	37.03	1.001	47.4	94.7	0.216	47.4
16	1,2,3,4,7,8,9-HxCDF	1.82e5	1.06	NO	1.3888	1.000	38.06	1.001	48.1	96.2	0.305	48.1
17	OCDF	3.13e5	0.90	NO	1.0814	1.000	41.87	1.000	95.2	95.2	0.220	95.2



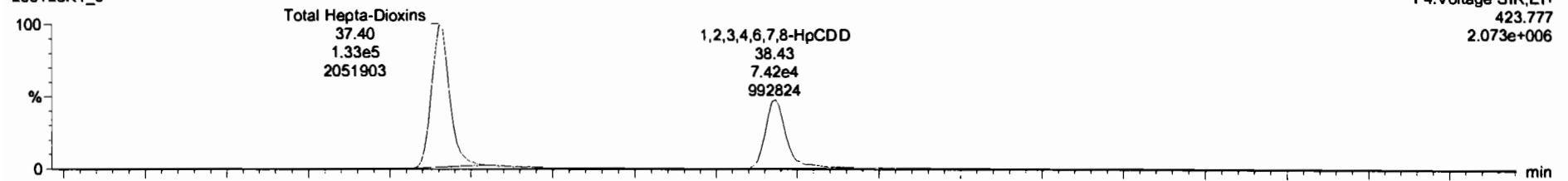
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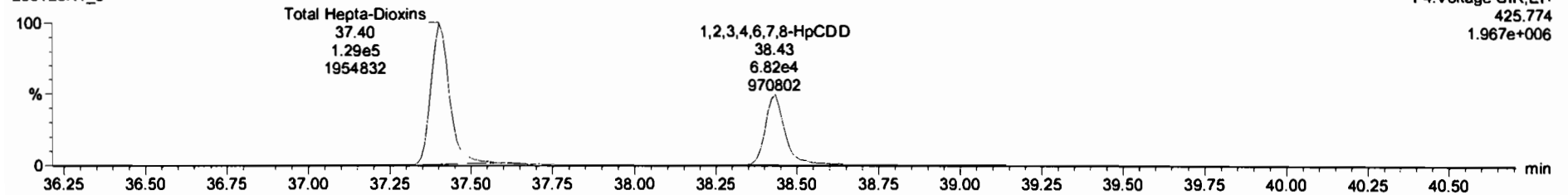
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1,2,3,4,6,7,8-HpCDD

200128K1_6

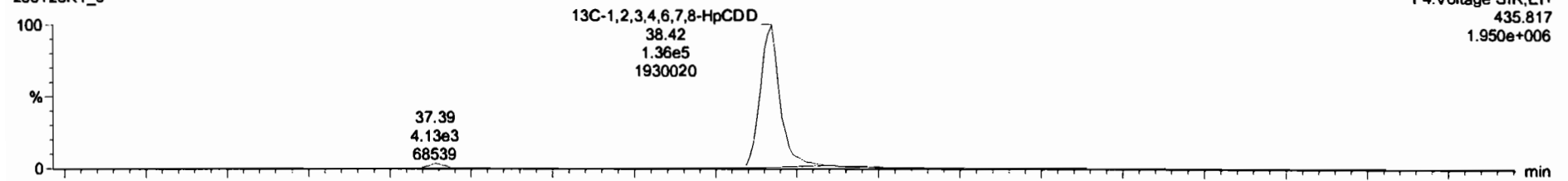


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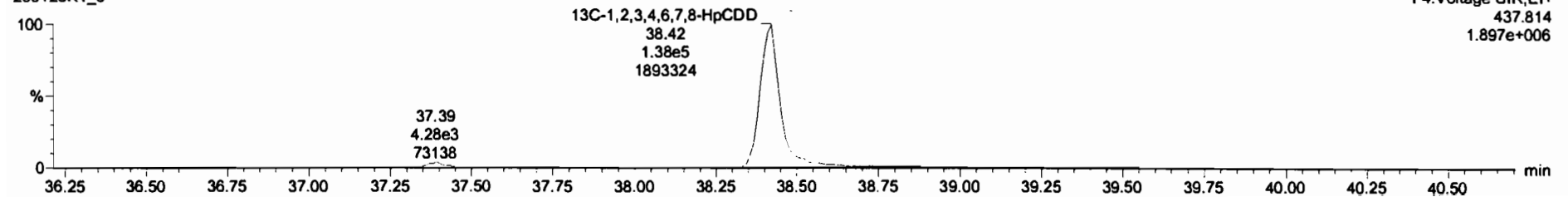


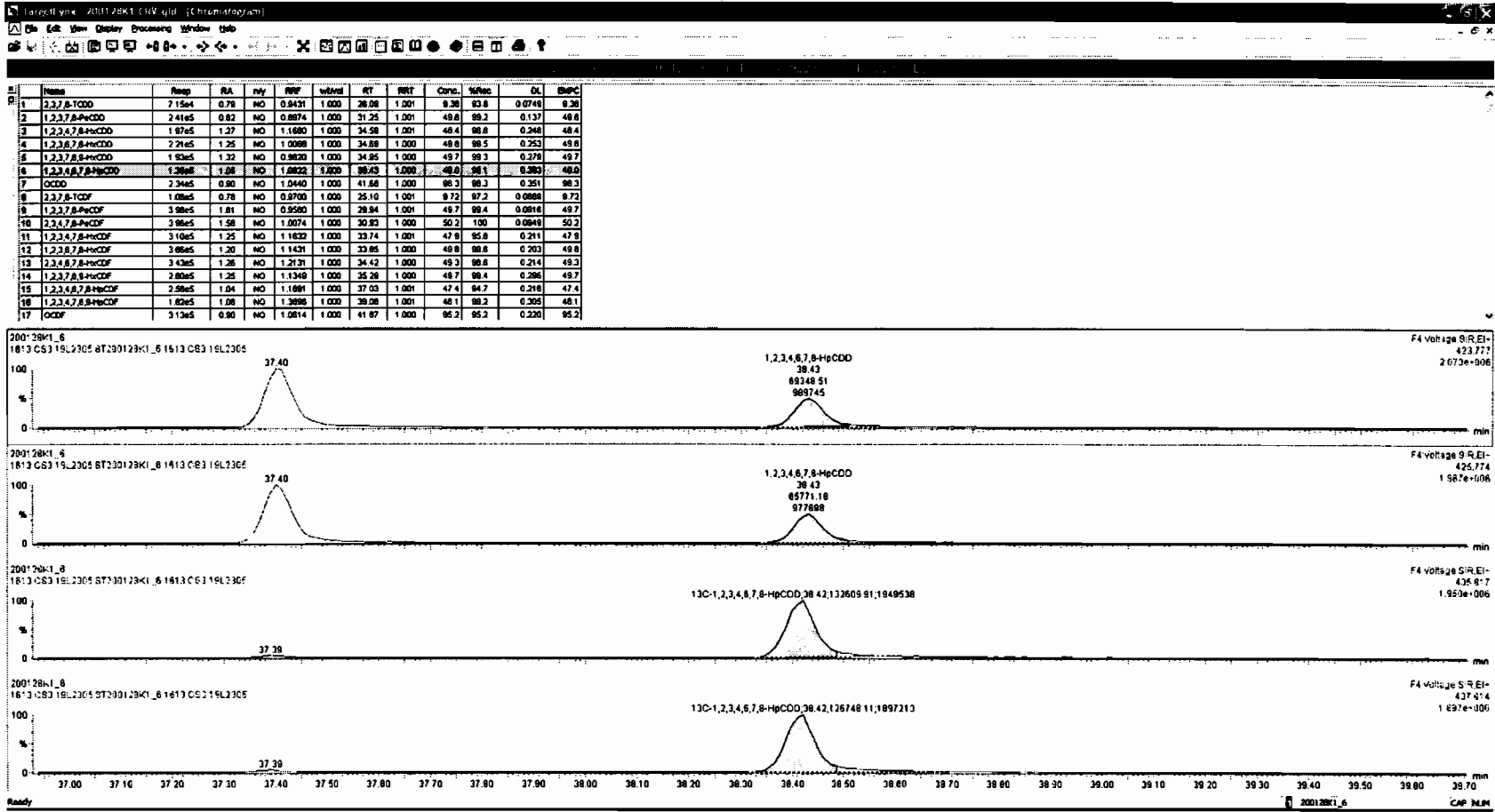
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200128K1_6



200128K1_6



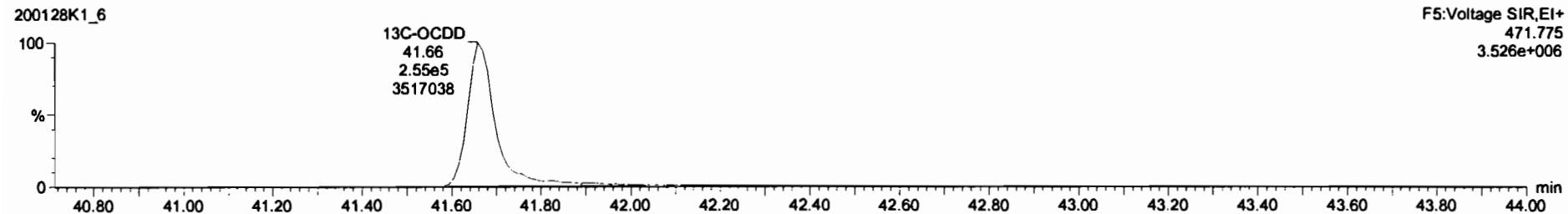
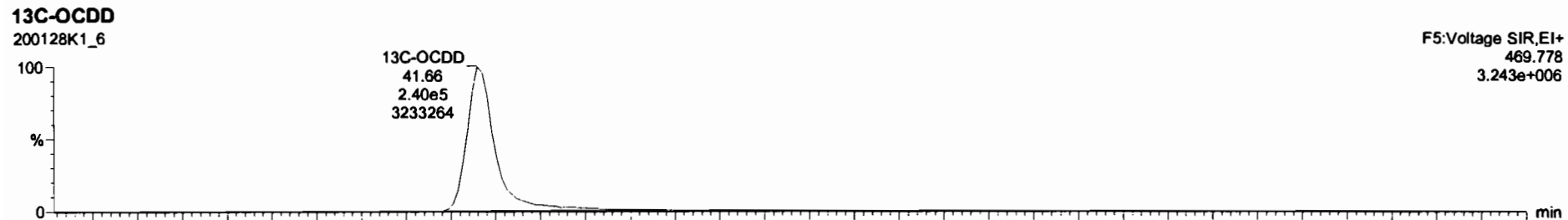
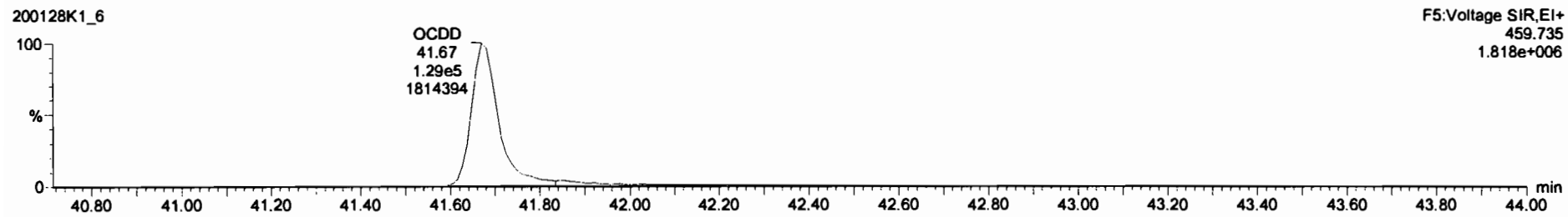
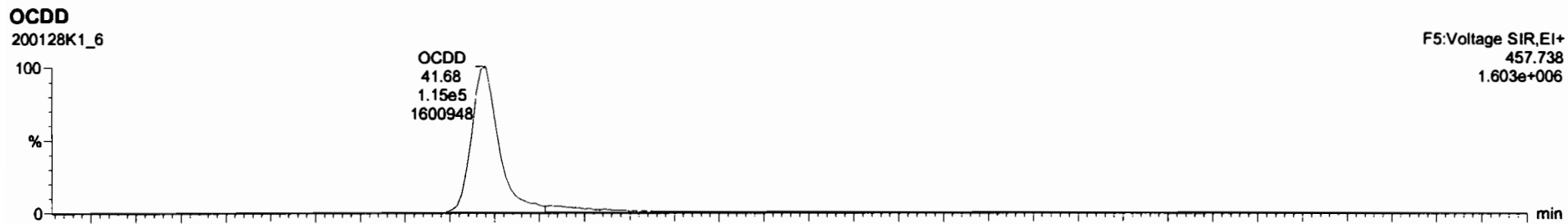


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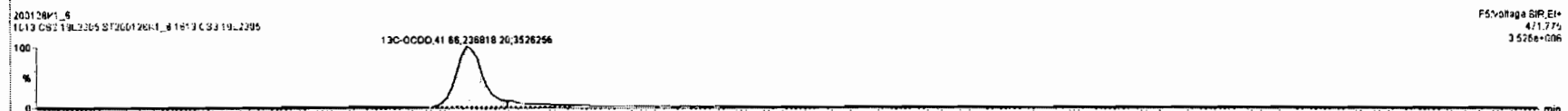
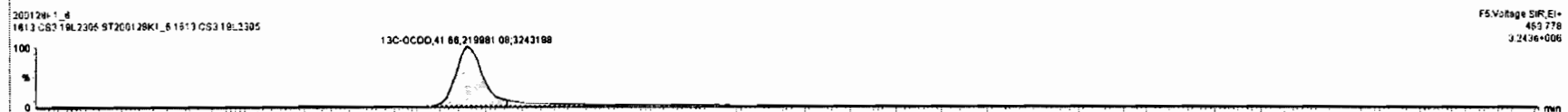
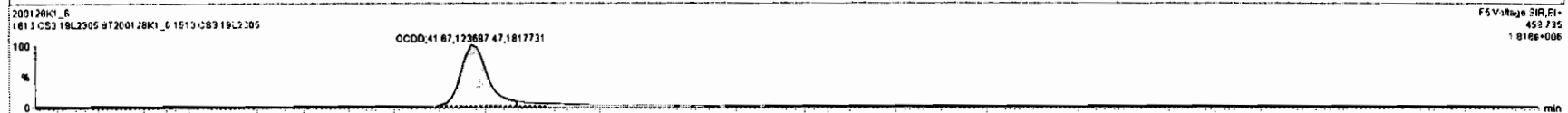
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Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

Name: 200128K1_6, Date: 28-Jan-2020, Time: 16:09:25, ID: ST200128K1_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305



#	Name	Resp	RA	NY	RF	WAV	RT	RRT	Conc	%Rec	CL	EMPC
1	2,2,7,8-TCDD	715e4	0.79	NO	0.9431	1.000	28.08	1.001	9.30	93.8	0.0749	9.38
2	1,2,3,7,8-PeCDD	241e5	0.82	NO	0.8874	1.000	31.25	1.001	46.8	99.2	0.137	46.8
3	1,2,3,4,7,8-HxCDD	1.97e5	1.27	NO	1.1680	1.000	34.58	1.001	48.4	98.8	0.248	48.4
4	1,2,3,6,7,8-HxCDD	2.21e5	1.25	NO	1.0088	1.000	34.88	1.000	48.8	98.5	0.253	48.8
5	1,2,3,7,8,9-HxCDD	1.93e5	1.32	NO	0.9820	1.000	34.95	1.000	48.7	99.3	0.278	48.7
6	1,2,3,4,6,7,8-HpCDD	1.35e5	1.65	NO	1.0822	1.000	38.43	1.000	49.0	98.1	0.283	49.0
7	OCDD	2.26e5	0.80	NO	1.0440	1.000	41.88	1.000	88.3	98.3	0.261	88.3
8	2,2,7,8-TCDF	1.08e5	0.78	NO	0.8700	1.000	25.10	1.001	9.72	97.2	0.0568	9.72
9	1,2,3,7,8-PeCDF	3.98e5	1.61	NO	0.9580	1.000	29.94	1.001	49.7	99.4	0.0818	49.7
10	2,2,4,7,8-PeCDF	3.96e5	1.58	NO	1.0074	1.000	30.93	1.000	50.2	100	0.0848	50.2
11	1,2,3,4,7,8-HxCDF	3.10e5	1.25	NO	1.1632	1.000	33.74	1.001	47.8	95.8	0.211	47.8
12	1,2,3,6,7,8-HxCDF	3.88e5	1.30	NO	1.1431	1.000	33.85	1.000	48.8	98.8	0.203	48.8
13	2,2,4,6,7,8-HxCDF	3.43e5	1.26	NO	1.2131	1.000	34.42	1.000	49.3	98.8	0.214	49.3
14	1,2,3,7,8,9-HxCDF	2.80e5	1.25	NO	1.1348	1.000	35.28	1.000	48.7	98.4	0.286	48.7
15	1,2,3,4,6,7,8-HpCDF	2.96e5	1.04	NO	1.1881	1.000	37.63	1.001	47.4	94.7	0.216	47.4
16	1,2,3,4,7,8,9-HpCDF	1.82e5	1.08	NO	1.2880	1.000	38.08	1.001	48.1	98.2	0.385	48.1
17	OCDF	3.13e5	0.90	NO	1.0814	1.000	41.87	1.000	95.2	95.2	0.220	95.2

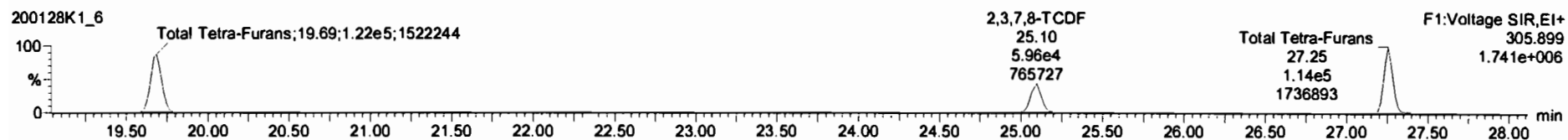


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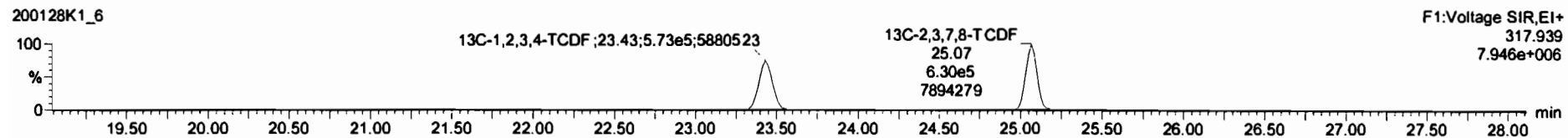
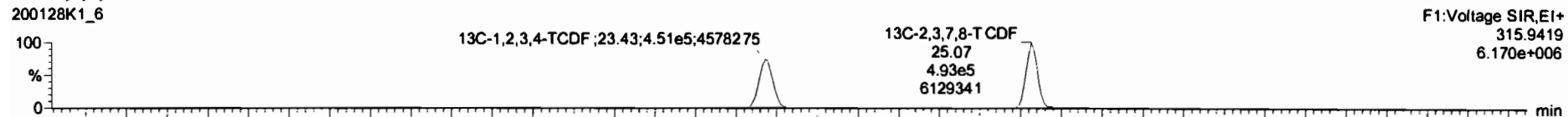
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Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

Name: 200128K1_6, Date: 28-Jan-2020, Time: 16:09:25, ID: ST200128K1_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

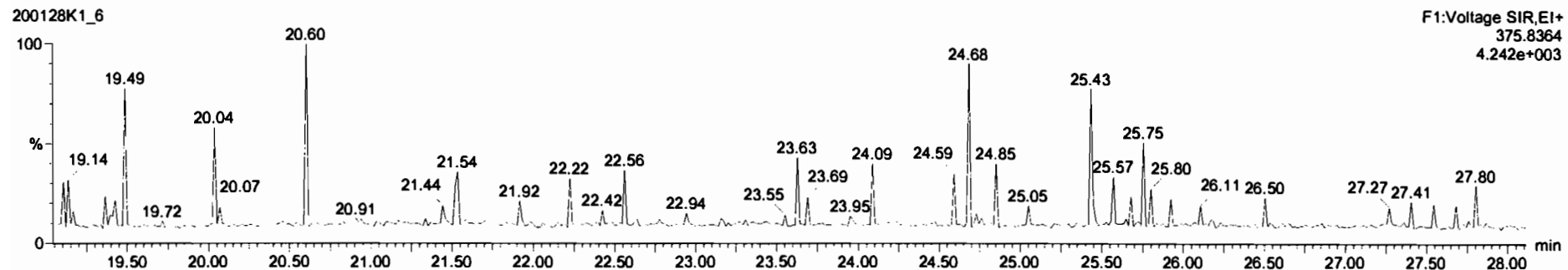
2,3,7,8-TCDF



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



DPE1



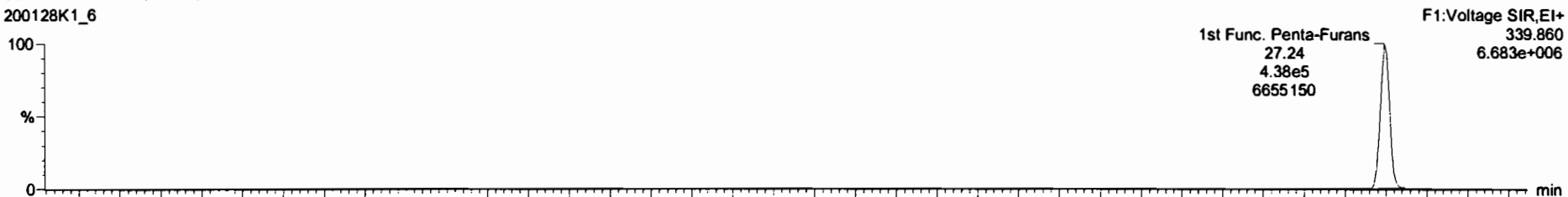
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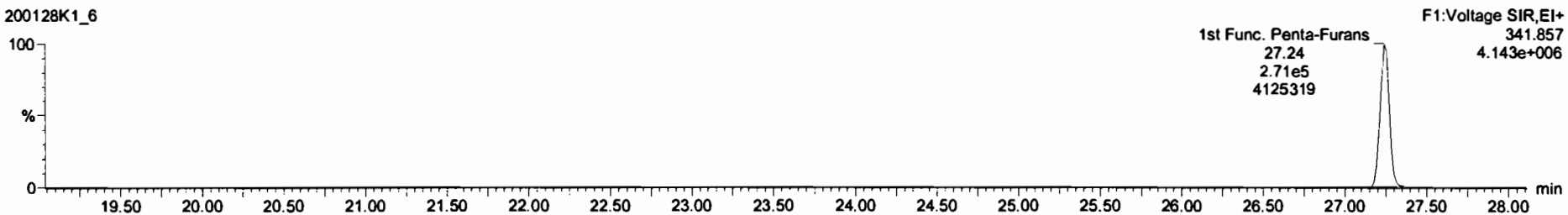
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1st Func. Penta-Furans

200128K1_6

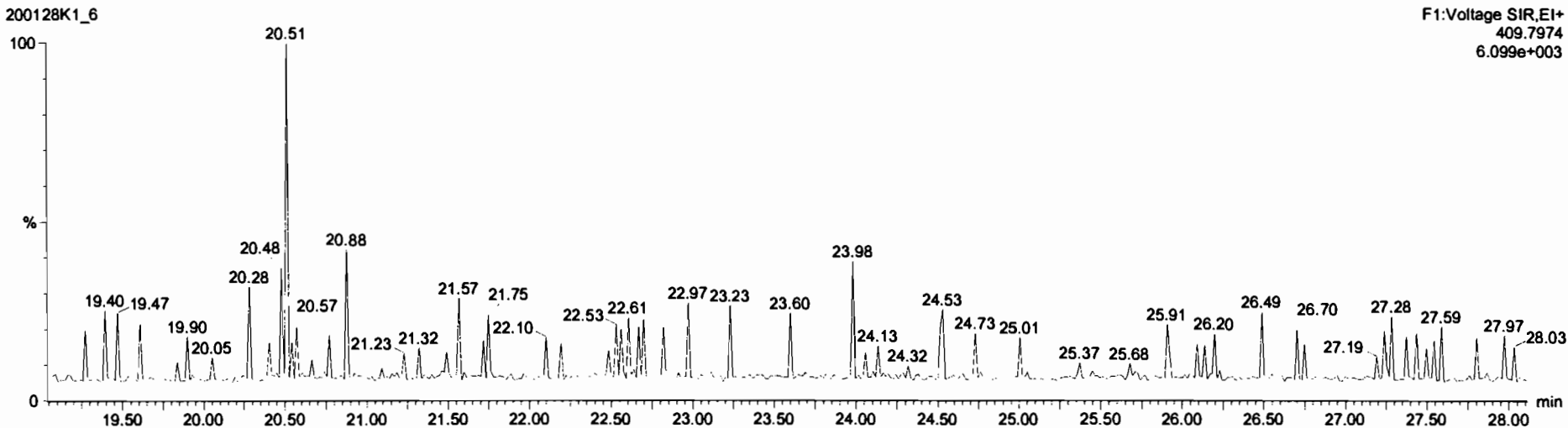


200128K1_6



DPE6

200128K1_6



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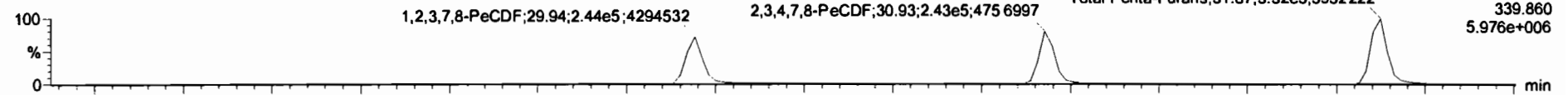
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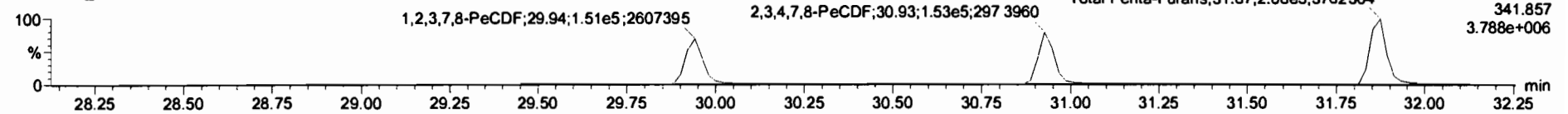
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1,2,3,7,8-PeCDF

200128K1_6

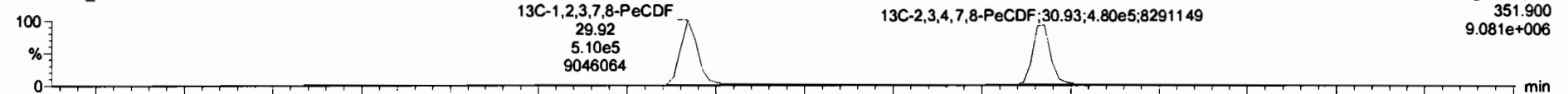


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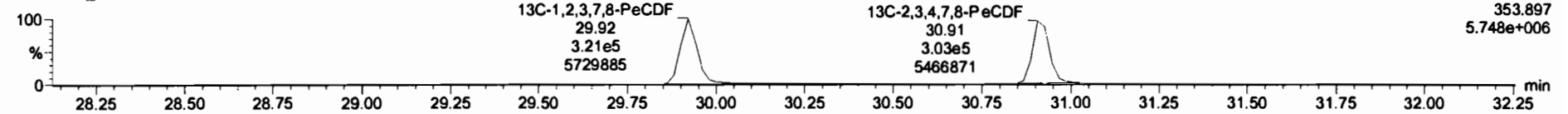


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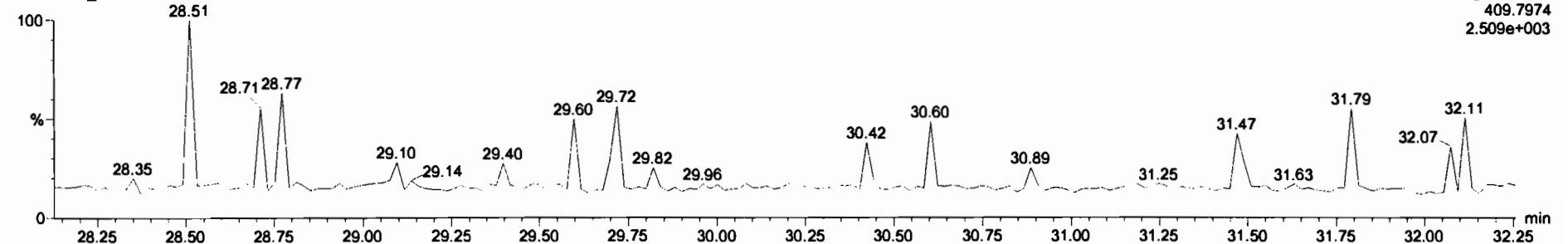


200128K1_6



DPE2

200128K1_6



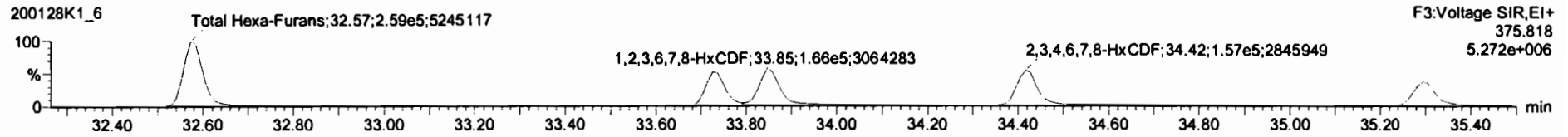
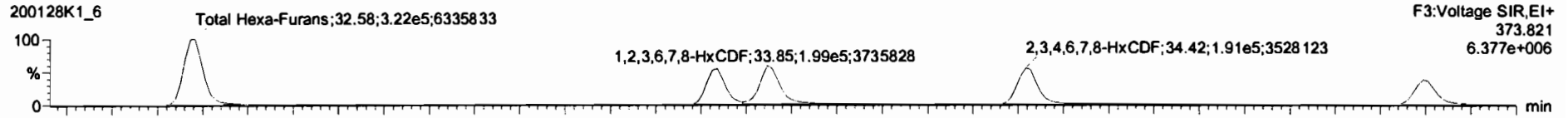
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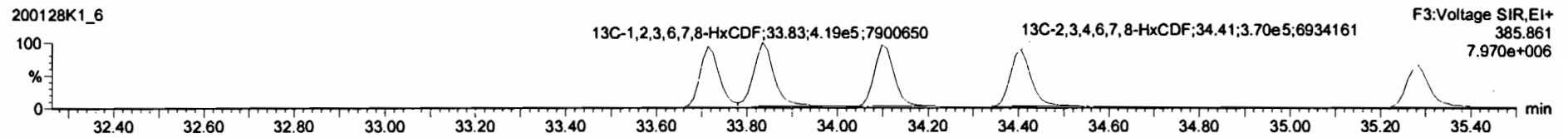
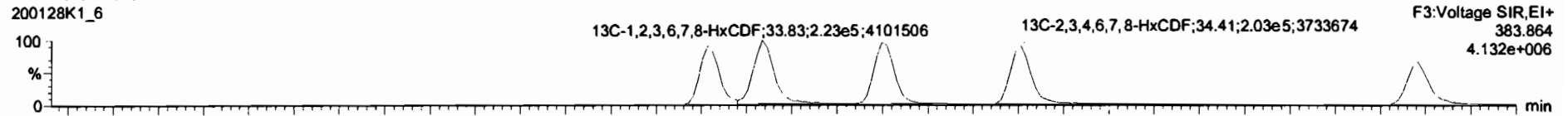
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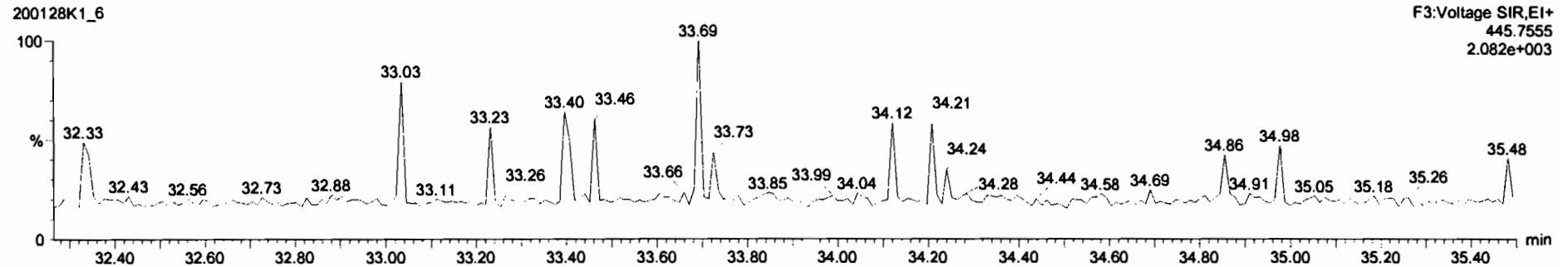
1,2,3,4,7,8-HxCDF

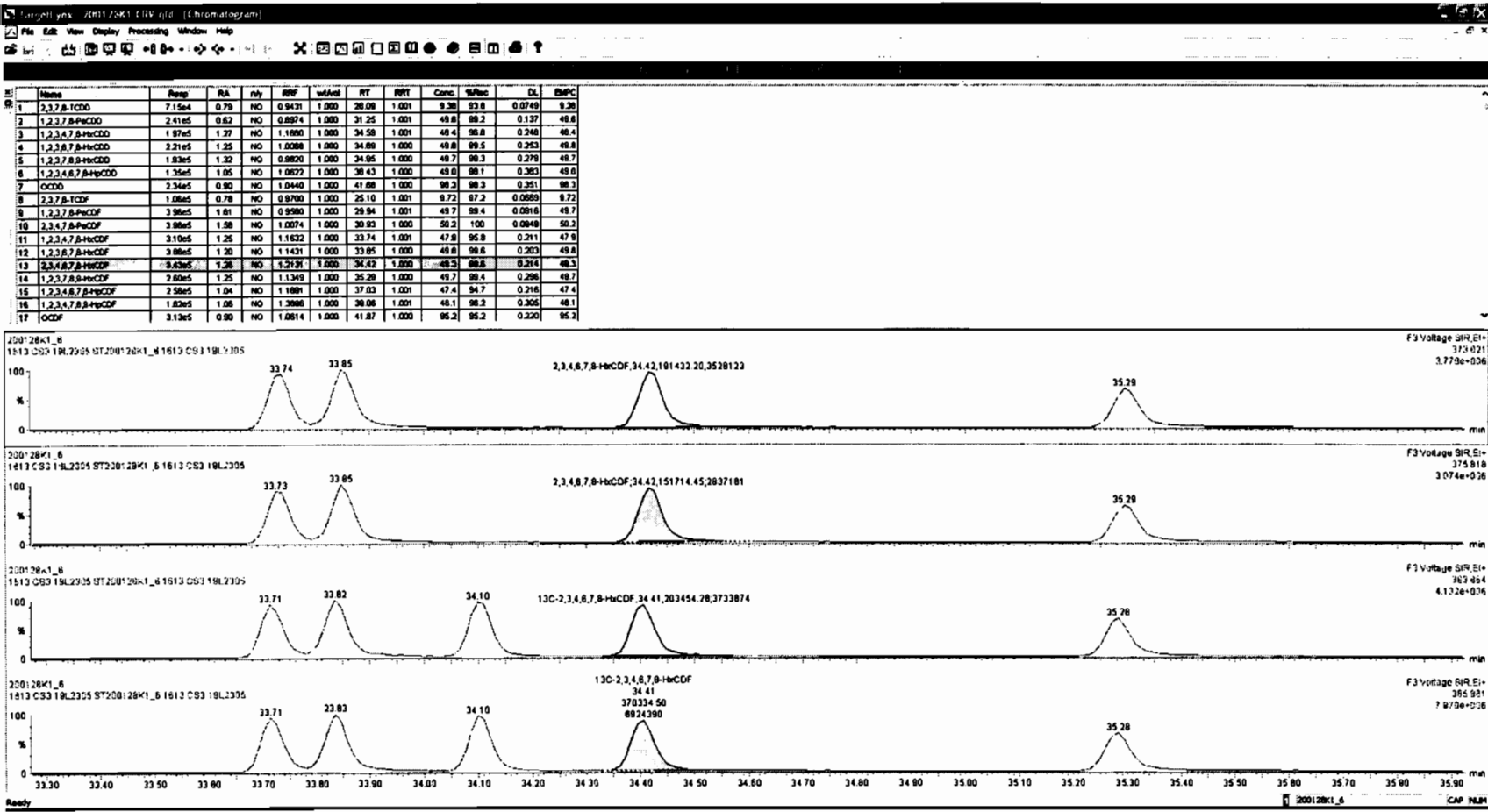


13C-1,2,3,4,7,8-HxCDF



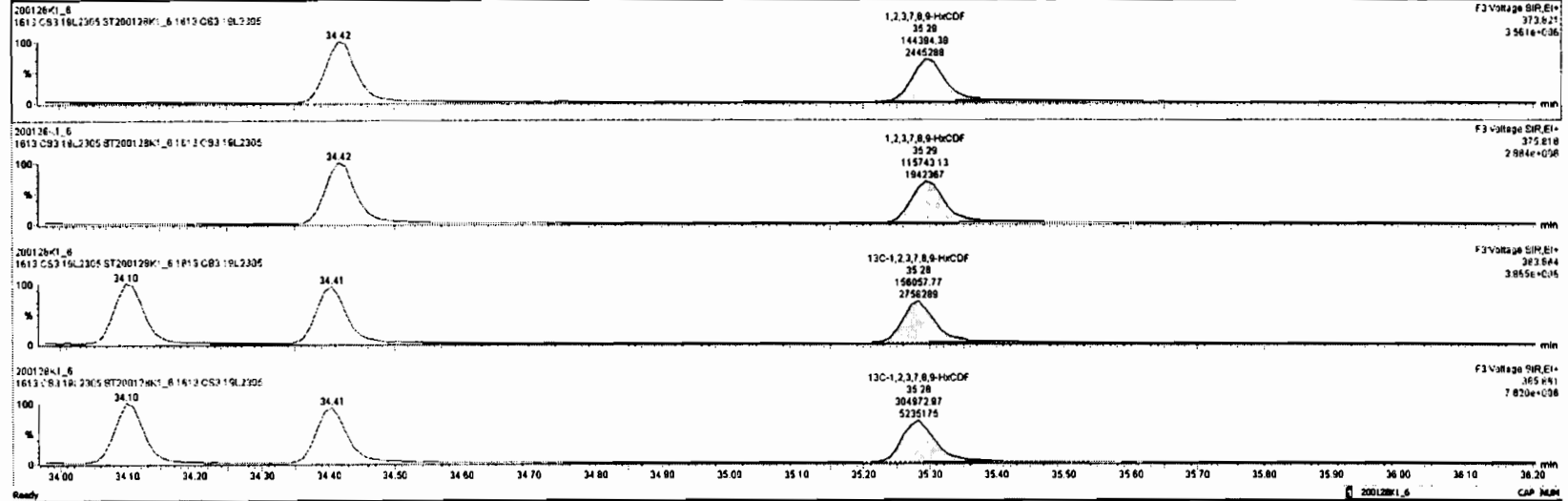
DPE3





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1	2,3,7,8-TCDF	715e5	0.78	NO	0.9431	1.000	28.09	1.001	9.30	93.8	0.0740	9.26
2	1,2,3,7,8-PeCDD	2.41e5	0.62	NO	0.8974	1.000	31.25	1.001	48.8	98.2	0.137	48.8
3	1,2,3,6,7,8-HxCDD	1.87e5	1.27	NO	1.1680	1.000	34.58	1.001	48.4	98.6	0.248	48.4
4	1,2,3,6,7,8-HxCDD	2.21e5	1.25	NO	1.0288	1.000	34.89	1.000	49.8	99.5	0.253	48.8
5	1,2,3,7,8,9-HxCDD	1.83e5	1.32	NO	0.8820	1.000	34.95	1.000	48.7	98.3	0.278	48.7
6	1,2,3,4,6,7,8-HpCDD	1.35e5	1.05	NO	1.0822	1.000	38.43	1.000	48.0	98.1	0.383	48.6
7	OCDD	2.34e5	0.80	NO	1.0440	1.000	41.88	1.000	98.3	98.3	0.351	98.3
8	2,3,7,8-TCDF	1.08e5	0.78	NO	0.9700	1.000	25.10	1.001	8.72	87.2	0.0889	8.72
9	1,2,3,7,8-PeCDF	3.98e5	1.61	NO	0.9580	1.000	29.94	1.001	48.7	98.4	0.0816	48.7
10	2,3,4,7,8-PeCDF	3.98e5	1.58	NO	1.0074	1.000	30.82	1.000	50.2	100	0.0848	50.2
11	1,2,3,4,7,8-PeCDF	3.10e5	1.25	NO	1.1632	1.000	33.74	1.001	47.8	95.8	0.211	47.8
12	1,2,3,6,7,8-HxCDF	3.88e5	1.20	NO	1.1431	1.000	33.85	1.000	48.8	98.6	0.203	48.8
13	2,3,4,6,7,8-HxCDF	3.43e5	1.28	NO	1.2131	1.000	34.42	1.000	48.3	98.6	0.214	48.3
14	1,2,3,7,8,9-HxCDF	2.80e5	1.25	NO	1.1349	1.000	35.29	1.000	49.7	98.4	0.296	49.7
15	1,2,3,4,6,7,8-HpCDF	2.58e5	1.04	NO	1.1891	1.000	37.03	1.001	47.4	94.7	0.216	47.4
16	1,2,3,4,7,8,9-HpCDF	1.82e5	1.08	NO	1.2888	1.000	38.06	1.001	48.1	98.2	0.305	48.1
17	OCDF	3.13e5	0.80	NO	1.0814	1.000	41.87	1.000	95.2	95.2	0.220	95.2

#	Name	Flow	RA	inj	RFV	WtVal	RT	RFT	Conc	%Rec	DL	EMPC
1	1,2,3,7,8-TCDD	7.15e4	0.78	NO	0.9431	1.000	26.08	1.001	8.30	93.8	0.0749	9.38
2	1,2,3,7,8-PeCDD	2.41e5	0.62	NO	0.8874	1.000	31.25	1.001	48.6	98.2	0.137	48.6
3	1,2,3,4,7,8-PeCDD	1.87e5	1.27	NO	1.1880	1.000	34.58	1.001	48.4	96.8	0.248	48.4
4	1,2,3,6,7,8-PeCDD	2.21e5	1.25	NO	1.0098	1.000	34.88	1.000	48.8	98.5	0.252	48.8
5	1,2,3,7,8,9-HxCDD	1.93e5	1.32	NO	0.9820	1.000	34.85	1.000	48.7	98.3	0.279	48.7
6	1,2,3,4,6,7,8-PeCDD	1.35e5	1.05	NO	1.0622	1.000	38.43	1.000	49.0	98.1	0.383	49.0
7	OCDD	2.34e5	0.80	NO	1.0440	1.000	41.88	1.000	88.3	98.3	0.351	88.3
8	1,2,3,7,8-TCDF	1.06e5	0.78	NO	0.8700	1.000	35.10	1.001	9.72	97.2	0.0888	9.72
9	1,2,3,7,8-PeCDF	3.88e5	1.81	NO	0.9580	1.000	39.94	1.001	49.7	98.4	0.0918	49.7
10	1,2,3,4,7,8-PeCDF	3.88e5	1.58	NO	1.0074	1.000	39.83	1.000	50.2	100	0.0948	50.2
11	1,2,3,4,7,8-HxCDF	3.10e5	1.25	NO	1.1832	1.000	33.74	1.001	47.9	98.8	0.211	47.9
12	1,2,3,6,7,8-PeCDF	3.66e5	1.30	NO	1.1431	1.000	33.85	1.000	48.8	98.6	0.203	48.8
13	1,2,3,6,7,8-HxCDF	2.43e5	1.28	NO	1.2131	1.000	34.42	1.000	49.3	98.8	0.214	49.3
14	1,2,3,7,8,9-HxCDF	2.89e5	1.25	NO	1.1388	1.000	36.26	1.000	48.7	98.4	0.288	48.7
15	1,2,3,4,6,7,8-PeCDF	2.58e5	1.04	NO	1.1881	1.000	37.03	1.001	47.4	98.7	0.218	47.4
16	1,2,3,4,7,8,9-PeCDF	1.82e5	1.08	NO	1.3088	1.000	39.08	1.001	48.1	98.2	0.305	48.1
17	OCDF	3.13e5	0.80	NO	1.0814	1.000	41.87	1.000	95.2	95.2	0.220	95.2



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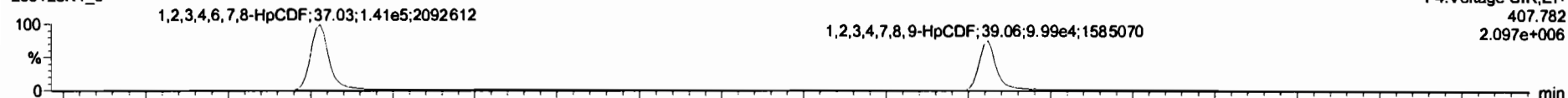
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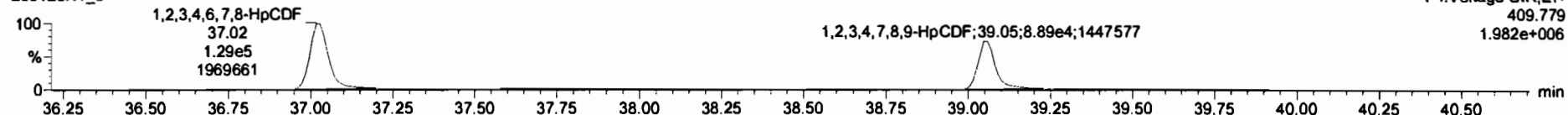
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1,2,3,4,6,7,8-HpCDF

200128K1_6

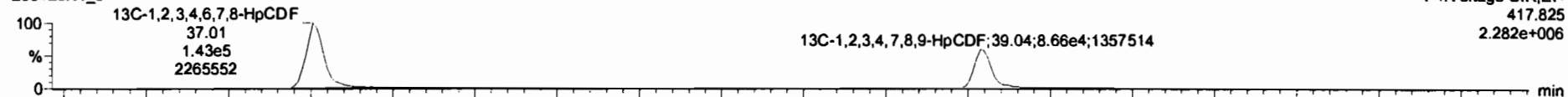


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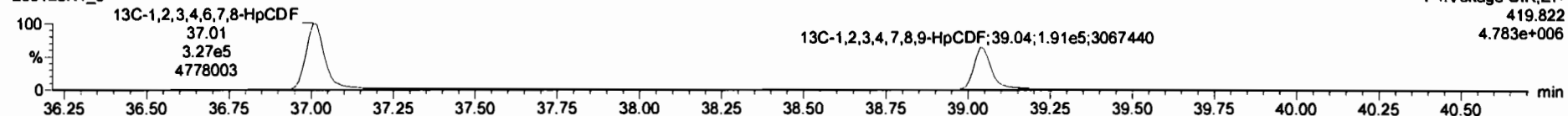


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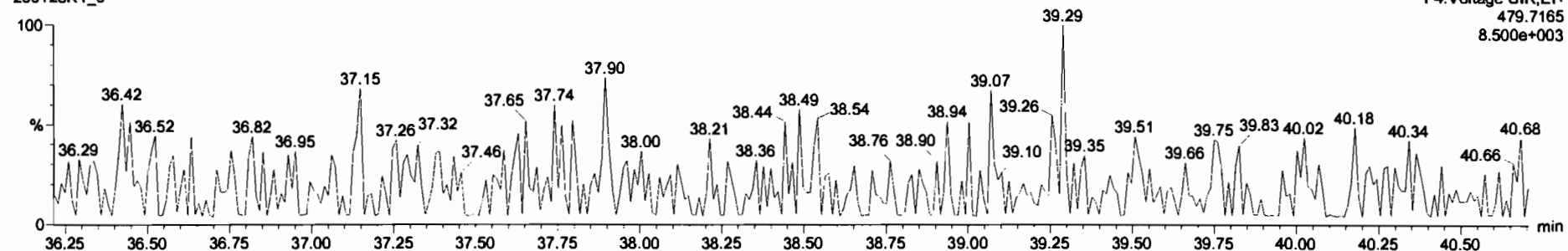


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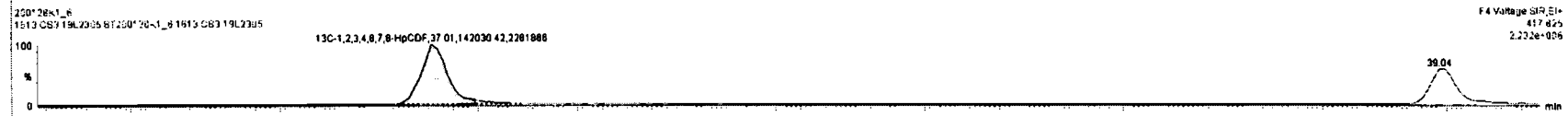
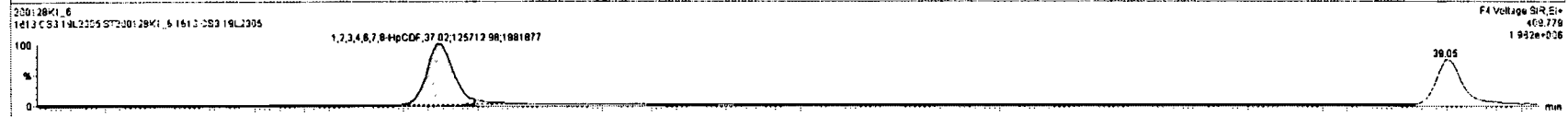
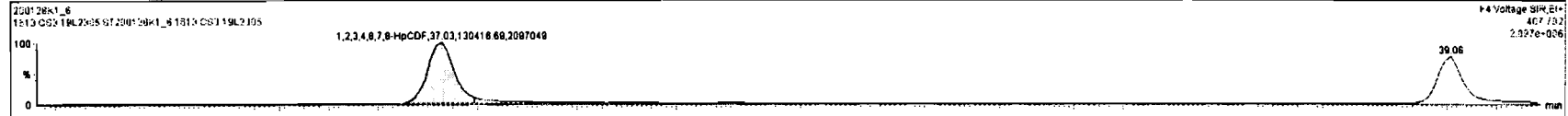


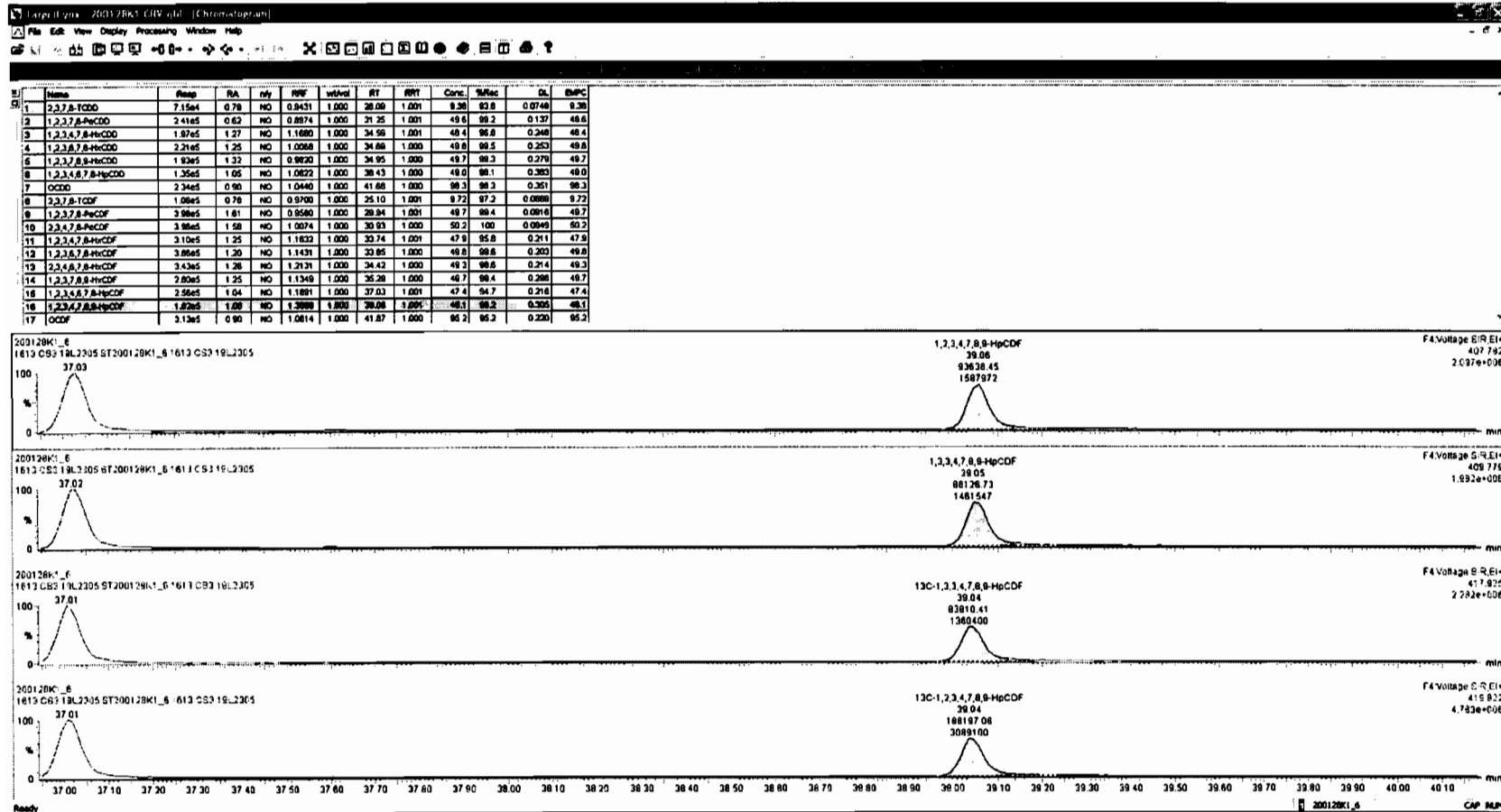
DPE4

200128K1_6



#	Name	Resp	RA	rvy	RRF	wRet	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDF	7.15e4	0.78	NO	0.8431	1.000	28.08	1.001	9.38	93.8	0.0748	9.38
2	1,2,3,7,8-PeCDD	2.41e5	0.82	NO	0.8874	1.000	31.25	1.001	49.8	99.2	0.137	49.8
3	1,2,3,4,7,8-PeCDD	1.97e5	1.27	NO	1.1680	1.000	34.58	1.001	48.4	98.8	0.248	48.4
4	1,2,3,6,7,8-PeCDD	2.21e5	1.25	NO	1.0088	1.000	34.89	1.000	49.8	99.5	0.253	49.8
5	1,2,3,7,8,9-PeCDD	1.52e5	1.32	NO	0.8820	1.000	34.95	1.000	49.7	99.3	0.278	49.7
6	1,2,3,4,6,7,8-HpCDD	1.35e5	1.05	NO	1.0822	1.000	38.43	1.000	49.0	98.1	0.303	49.0
7	OCDF	2.34e5	0.80	NO	1.0440	1.000	41.88	1.000	88.3	98.3	0.351	88.3
8	2,3,7,8-TCDF	1.08e5	0.78	NO	0.9700	1.000	25.10	1.001	9.72	97.2	0.0888	9.72
9	1,2,3,7,8-HpCDF	3.98e5	1.61	NO	0.9580	1.000	29.94	1.001	49.7	99.4	0.0816	49.7
10	2,3,4,7,8-PeCDF	3.88e5	1.58	NO	1.0074	1.000	30.92	1.000	50.2	100	0.0848	50.2
11	1,2,3,4,7,8-HpCDF	3.10e5	1.25	NO	1.1832	1.000	33.74	1.001	47.8	95.8	0.211	47.9
12	1,2,3,6,7,8-HpCDF	3.88e5	1.20	NO	1.1431	1.000	33.85	1.000	48.8	99.6	0.203	48.8
13	2,3,4,6,7,8-HpCDF	3.43e5	1.28	NO	1.2131	1.000	34.42	1.000	48.3	98.6	0.214	48.3
14	1,2,3,7,8,9-PeCDF	2.80e5	1.25	NO	1.1349	1.000	35.28	1.000	49.7	99.4	0.298	49.7
15	1,2,3,4,6,7,8-HpCDF	2.28e5	1.04	NO	1.1881	1.000	37.03	1.001	47.4	84.7	0.218	47.4
16	1,2,3,4,7,8,9-HpCDF	1.82e5	1.08	NO	1.2888	1.000	38.08	1.001	48.1	88.2	0.305	48.1
17	OCDF	3.13e5	0.80	NO	1.0814	1.000	41.87	1.000	85.2	85.2	0.220	85.2





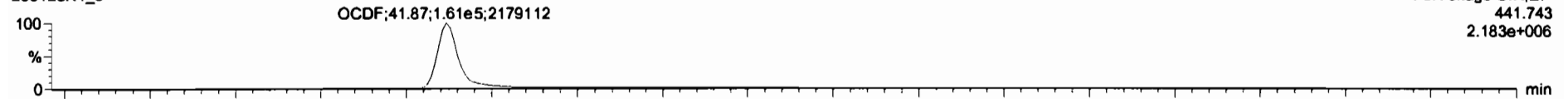
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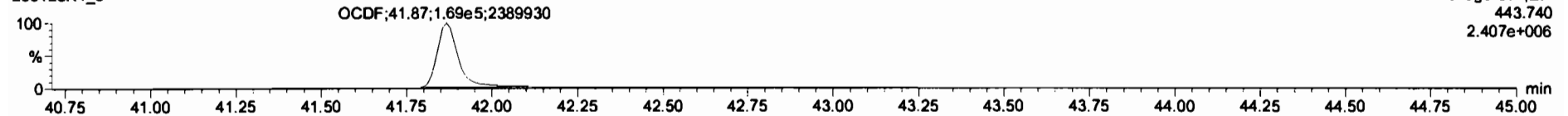
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OCDF

200128K1_6

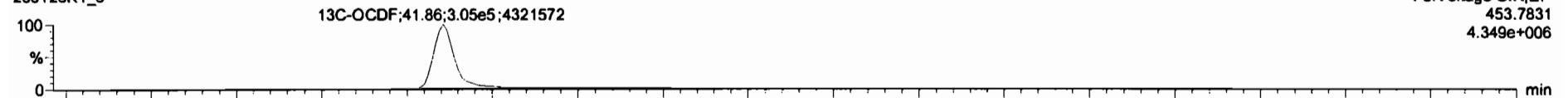


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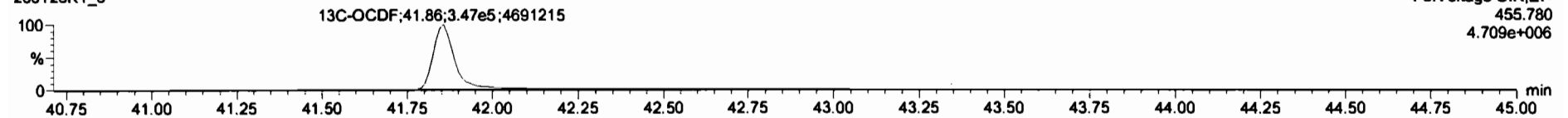


13C-OCDF

200128K1_6

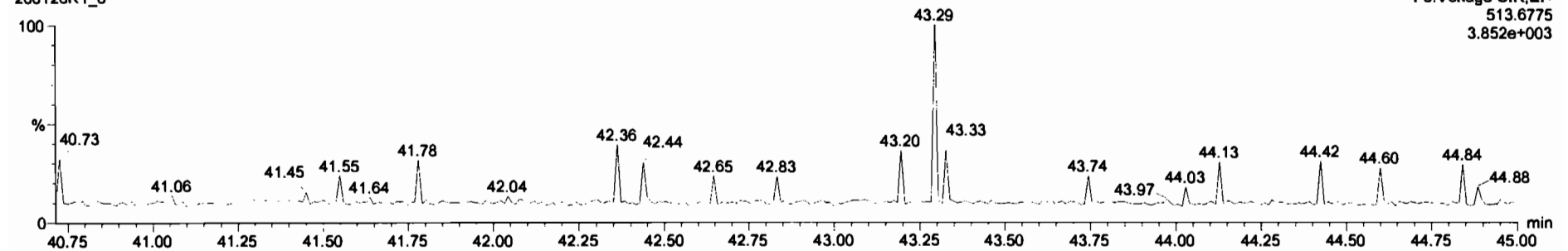


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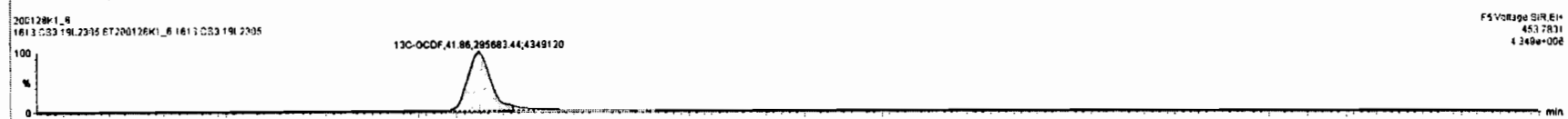
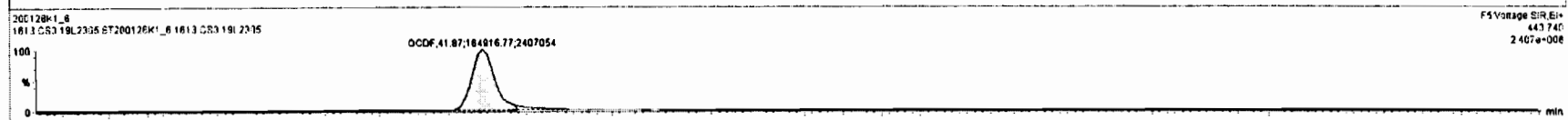
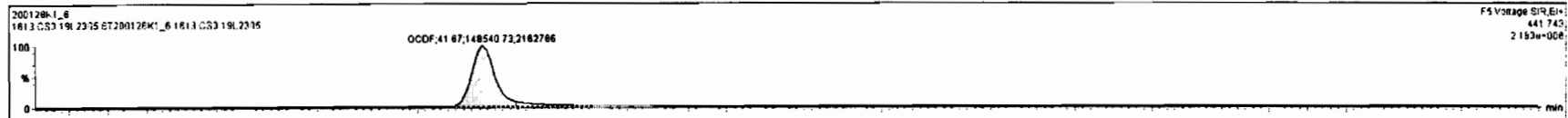


DPE5

200128K1_6



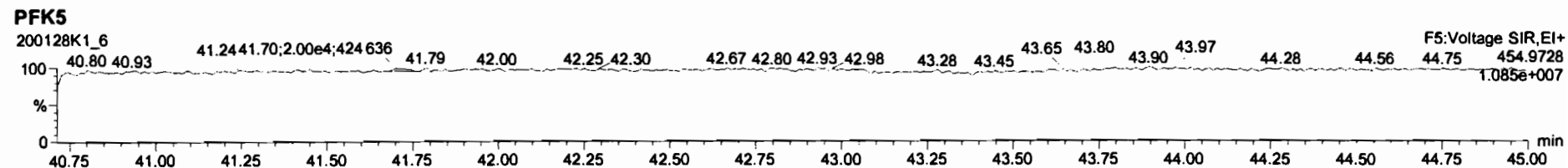
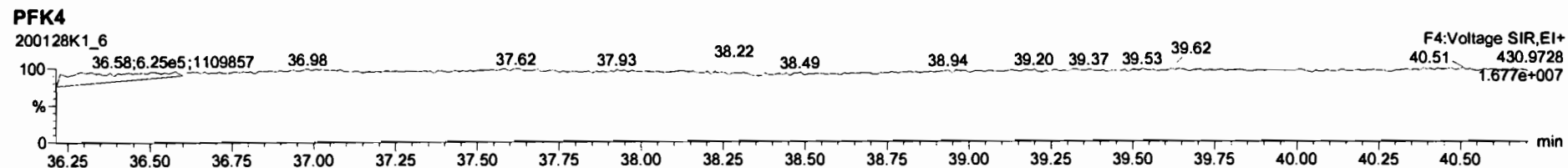
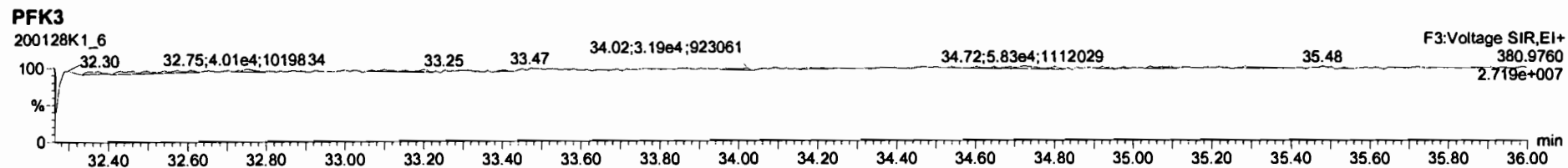
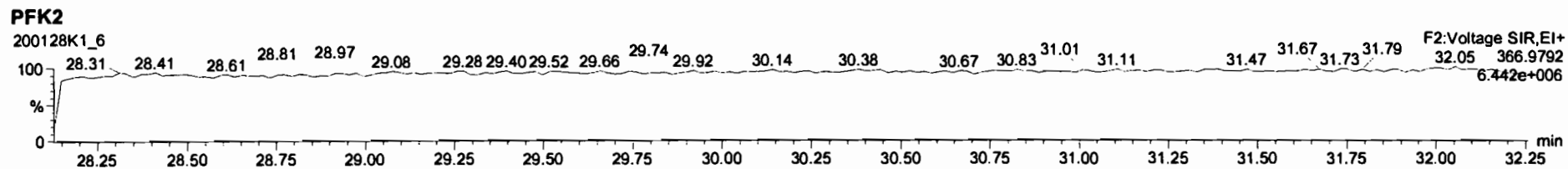
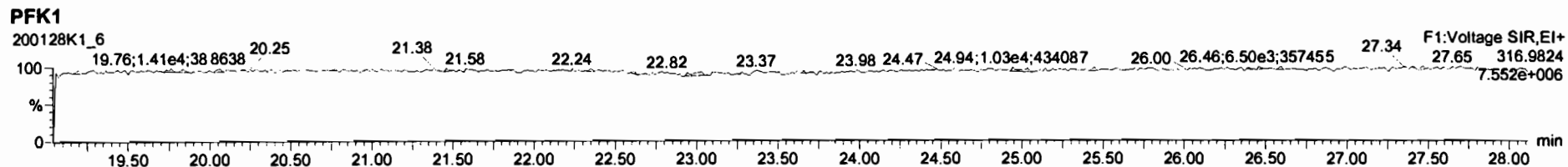
#	Name	Resp	RA	inj	RFP	Wt%	RT	NRT	Conc.	%Rec	DL	SPC
1	2,3,7,8-TCDF	7.15e4	0.78	NO	0.9431	1.000	26.06	1.001	8.36	83.8	0.0749	8.36
2	1,2,3,7,8-PeCDD	2.41e5	0.62	NO	0.8974	1.000	31.25	1.001	49.6	96.2	0.137	48.6
3	1,2,3,4,7,8-PeCDD	1.97e5	1.27	NO	1.1680	1.000	34.58	1.001	48.4	96.8	0.248	48.4
4	1,2,3,6,7,8-PeCDD	2.21e5	1.25	NO	1.0086	1.000	34.88	1.000	49.8	99.5	0.253	49.8
5	1,2,3,7,8,9-PeCDD	1.93e5	1.32	NO	0.9820	1.000	34.95	1.000	49.7	99.3	0.279	49.7
6	1,2,3,4,6,7,8-PeCDD	1.35e5	1.05	NO	1.0822	1.000	38.43	1.000	48.0	98.1	0.383	49.0
7	OCDF	2.34e5	0.90	NO	1.0440	1.000	41.88	1.000	98.3	99.3	0.351	98.3
8	2,3,7,8-TCDF	1.06e5	0.78	NO	0.9700	1.000	25.10	1.001	8.72	97.2	0.0888	8.72
9	1,2,3,7,8-PeCDF	3.96e5	1.61	NO	0.9290	1.000	29.94	1.001	49.7	98.4	0.0916	49.7
10	2,3,4,7,8-PeCDD	3.98e5	1.58	NO	1.0074	1.000	30.93	1.000	50.2	100	0.0949	50.2
11	1,2,3,4,7,8-PeCDF	3.10e5	1.25	NO	1.1632	1.000	33.74	1.001	47.9	95.8	0.211	47.9
12	1,2,3,6,7,8-PeCDF	3.96e5	1.20	NO	1.1431	1.000	33.85	1.000	49.8	99.6	0.200	49.8
13	2,3,4,6,7,8-PeCDF	3.43e5	1.28	NO	1.2131	1.000	34.42	1.000	49.3	99.6	0.214	49.3
14	1,2,3,7,8,9-PeCDF	2.80e5	1.25	NO	1.1349	1.000	35.26	1.000	49.7	99.4	0.206	49.7
15	1,2,3,4,6,7,8-PeCDF	2.59e5	1.04	NO	1.1691	1.000	37.03	1.001	47.4	94.7	0.218	47.4
16	1,2,3,4,7,8,9-PeCDF	1.82e5	1.08	NO	1.3698	1.000	38.08	1.001	48.1	96.2	0.305	48.1
17	OCDF	3.13e5	0.90	NO	1.0814	1.000	41.87	1.000	98.2	98.2	0.320	85.3



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Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

Name: 200128K1_6, Date: 28-Jan-2020, Time: 16:09:25, ID: ST200128K1_6 1613 CS3 19L2305, Description: 1613 CS3 19L2305



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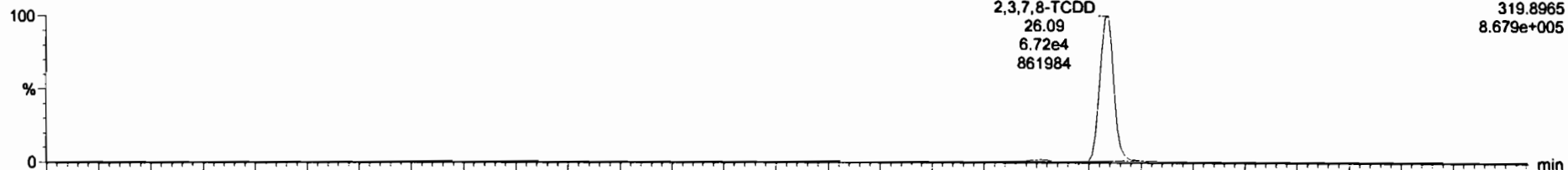
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2,3,7,8-TCDD

200128K1_4

2,3,7,8-TCDD
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6.72e4
861984

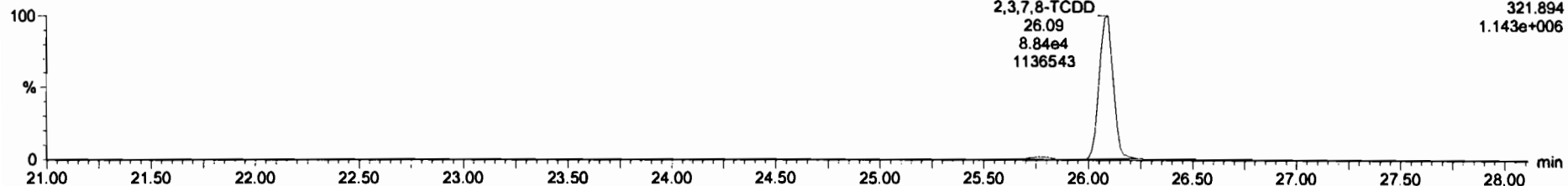
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319.8965
8.679e+005



200128K1_4

2,3,7,8-TCDD
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8.84e4
1136543

F1:Voltage SIR,EI+
321.894
1.143e+006



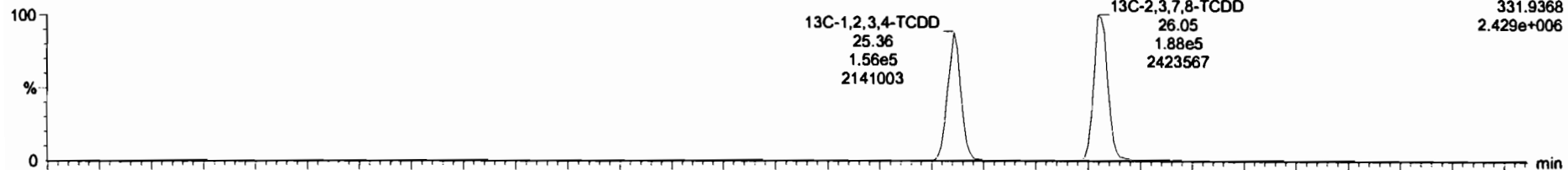
13C-2,3,7,8-TCDD

200128K1_4

13C-1,2,3,4-TCDD
25.36
1.56e5
2141003

13C-2,3,7,8-TCDD
26.05
1.88e5
2423567

F1:Voltage SIR,EI+
331.9368
2.429e+006

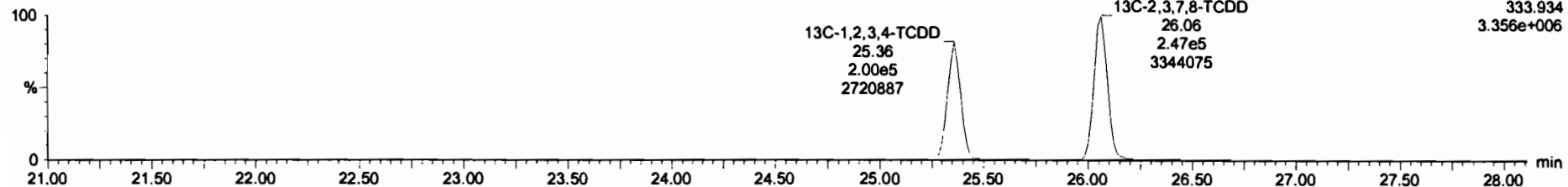


200128K1_4

13C-1,2,3,4-TCDD
25.36
2.00e5
2720887

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3344075

F1:Voltage SIR,EI+
333.934
3.356e+006



Dataset: Untitled

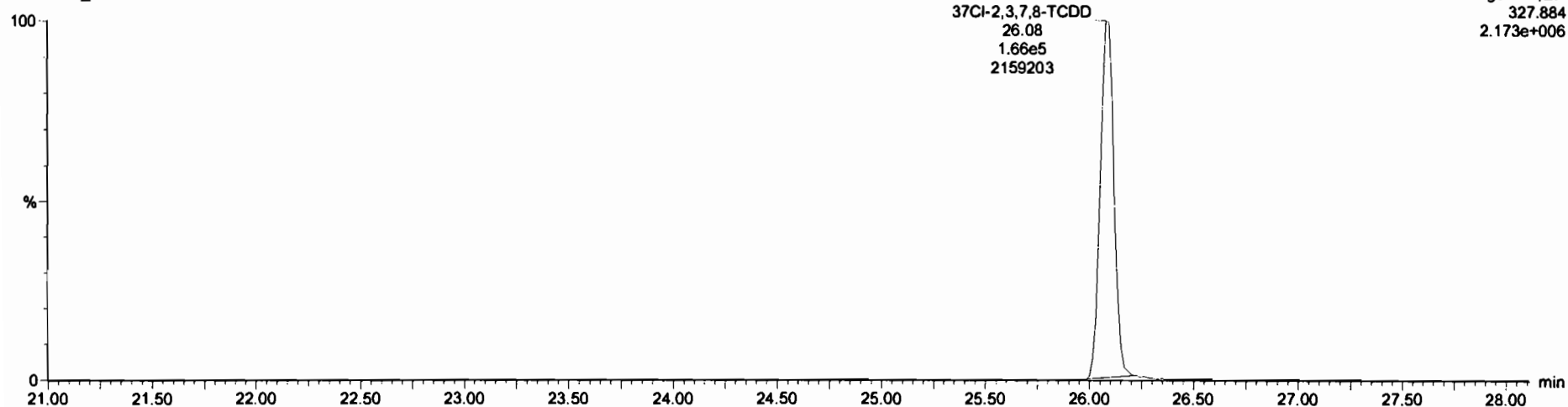
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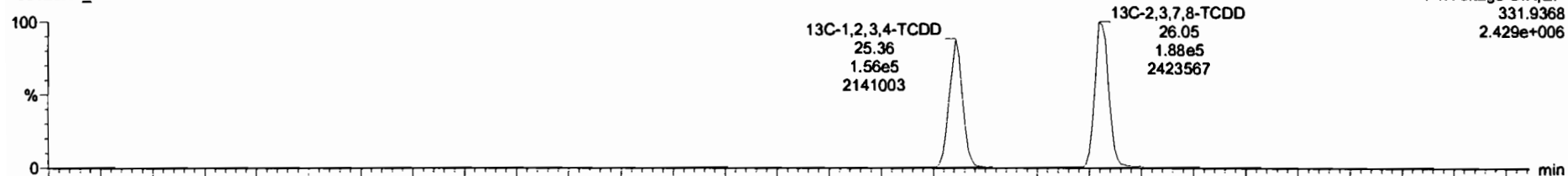
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200128K1_4

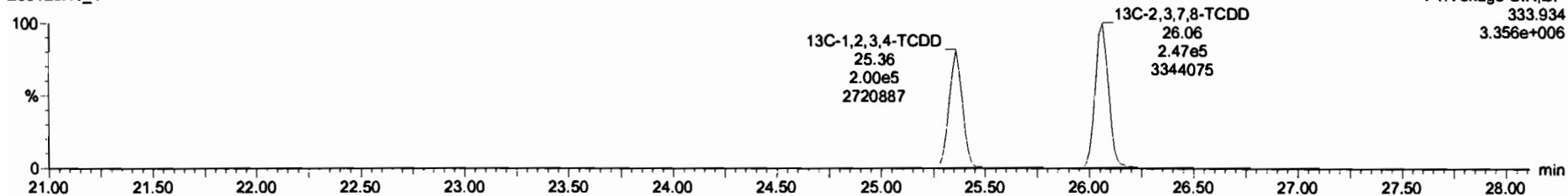


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200128K1_4



200128K1_4



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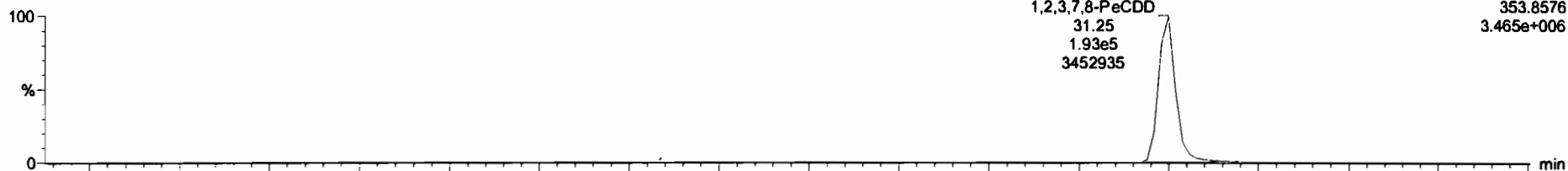
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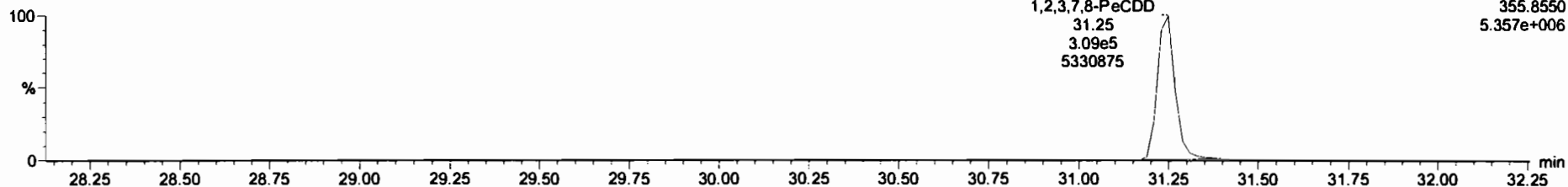
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1,2,3,7,8-PeCDD

200128K1_4

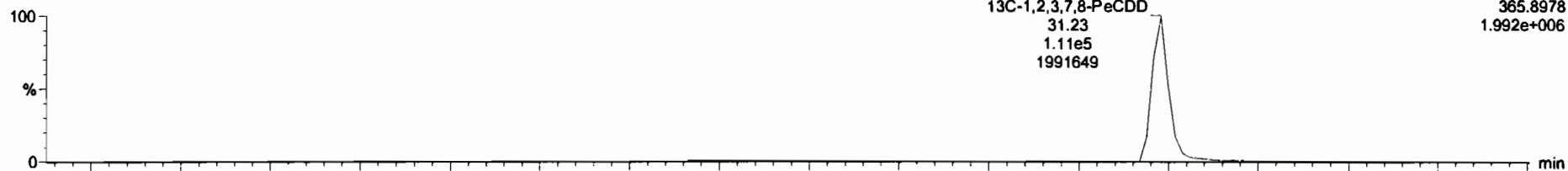


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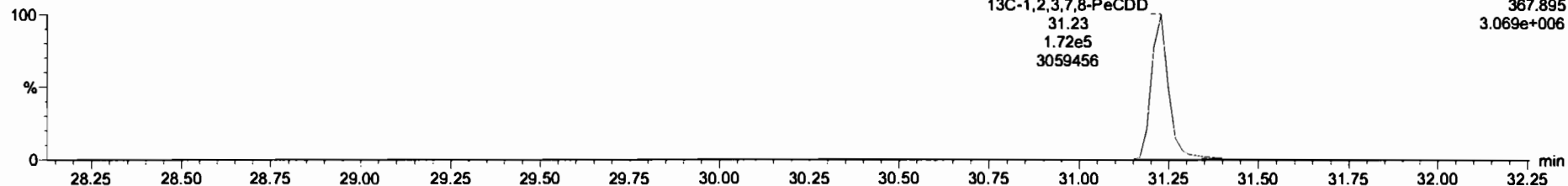


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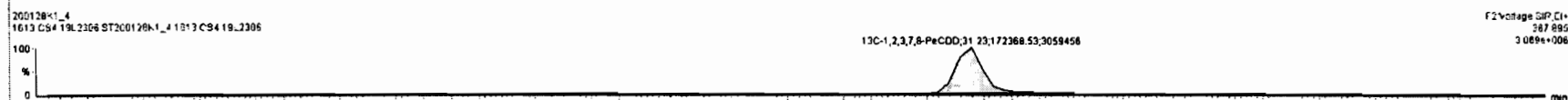
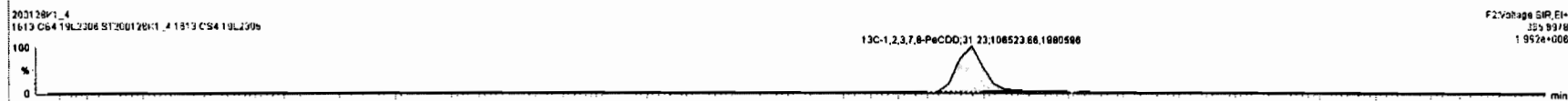
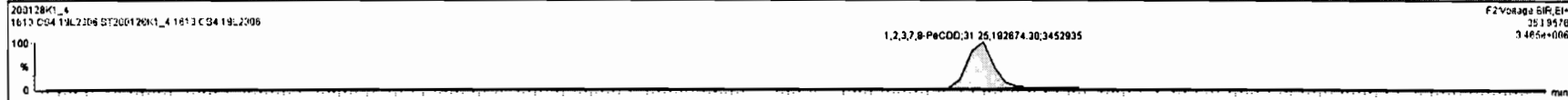
200128K1_4



200128K1_4



#	Name	Retap	RA	rvf	RVF	uVal	RT	RRT	Conc	%Rec	DL	EMPC
1	1,2,3,7,8-TCDD	1.56e5	0.78	NO	0.9431	1.000	28.00	1.002	30.0	94.9	0.112	30.0
2	1,2,3,7,8-PeCDD	6.02e5	0.82	NO	0.8874	1.000	31.28	1.001	201	100	0.371	201
3	1,2,3,4,7,8-PeCDD	4.14e5	1.28	NO	1.1880	1.000	34.58	1.000	202	101	0.391	202
4	1,2,3,6,7,8-HxCDD	4.57e5	1.28	NO	1.0068	1.000	34.68	1.001	204	102	0.357	204
5	1,2,3,7,8,9-HxCDD	3.95e5	1.25	NO	0.9820	1.000	34.85	1.000	201	101	0.398	201
6	1,2,3,4,6,7,8-HpCDD	2.84e5	1.07	NO	1.0822	1.000	38.43	1.000	198	99.1	0.540	198
7	OCDD	4.53e5	0.87	NO	1.0440	1.000	41.68	1.000	398	99.5	0.717	398
8	2,3,7,8-TCDF	2.36e5	0.78	NO	0.9700	1.000	25.08	1.001	30.8	99.5	0.0743	30.8
9	1,2,3,7,8-PeCDF	8.04e5	1.80	NO	0.9590	1.000	29.94	1.001	204	102	0.256	204
10	2,3,4,7,8-PeCDF	8.26e5	1.58	NO	1.0074	1.000	30.83	1.001	204	102	0.225	204
11	1,2,3,4,7,8-HxCDF	4.93e5	1.25	NO	1.1532	1.000	32.72	1.000	201	101	0.284	201
12	1,2,3,6,7,8-HxCDF	7.65e5	1.31	NO	1.1429	1.000	32.85	1.001	197	98.6	0.370	197
13	2,3,4,6,7,8-HxCDF	7.06e5	1.27	NO	1.2131	1.000	34.42	1.000	195	99.2	0.403	195
14	1,2,3,7,8,9-HxCDF	5.26e5	1.25	NO	1.1348	1.000	35.29	1.000	197	98.6	0.552	197
15	1,2,3,4,6,7,8-HpCDF	5.23e5	1.05	NO	1.1891	1.000	37.02	1.000	199	99.7	0.481	199
16	1,2,3,4,7,8,9-HpCDF	3.85e5	1.03	NO	1.3088	1.000	38.08	1.001	198	98.9	0.637	198
17	OCDF	6.14e5	0.91	NO	1.0814	1.000	41.88	1.000	394	98.5	0.583	394
18	13C-1,2,3,7,8-TCDD	4.56e5	0.78	NO	1.1733	1.000	28.05	1.027	104	104	0.291	
19	13C-1,2,3,7,8-PeCDD	2.79e5	0.82	NO	0.7731	1.000	31.23	1.232	101	101	0.502	
20	13C-1,2,3,4,7,8-HxCDD	1.75e5	1.25	NO	0.9888	1.000	34.57	1.014	94.9	94.9	0.357	
21	13C-1,2,3,6,7,8-HxCDD	2.23e5	1.28	NO	0.7831	1.000	34.67	1.017	94.7	94.7	0.280	



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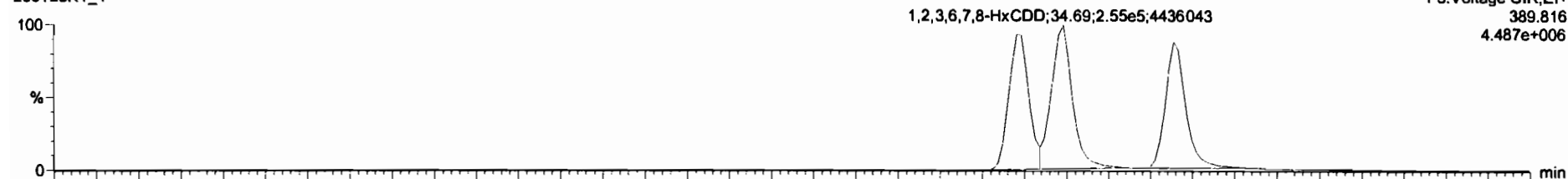
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Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

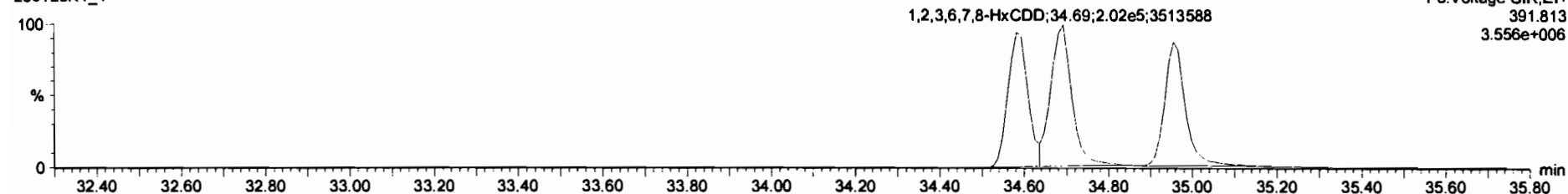
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1,2,3,4,7,8-HxCDD

200128K1_4

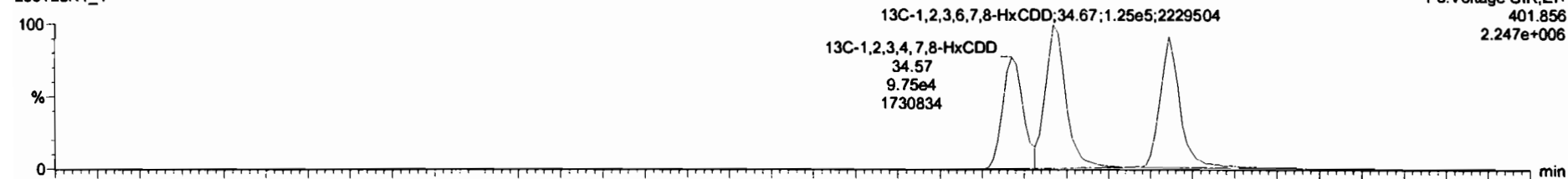


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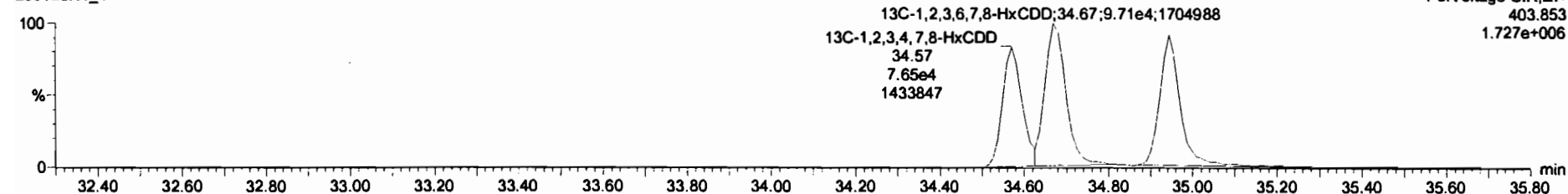


13C-1,2,3,4,7,8-HxCDD

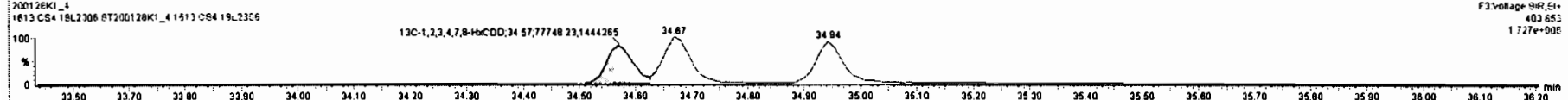
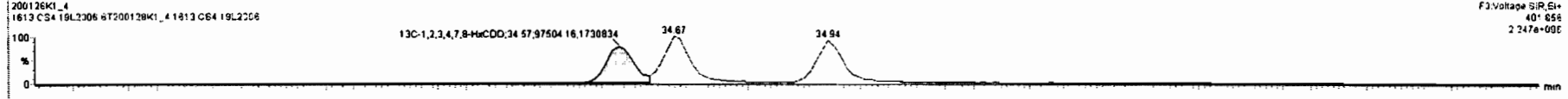
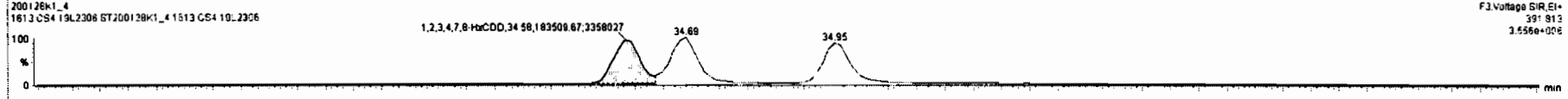
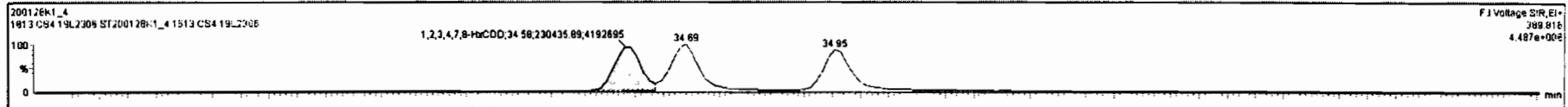
200128K1_4



200128K1_4



#	Name	Resp	RA	ch	RFI	intval	RT	RRT	Conc	%Rec	DL	thPC
1	2,3,7,8-TCDD	1.58e5	0.78	NO	0.9431	1.000	28.08	1.022	38.0	94.9	0.113	28.0
2	1,2,3,7,8-PeCDD	5.02e5	0.82	NO	0.8874	1.000	31.25	1.001	201	100	0.171	201
3	1,2,3,4,7,8-HxCDD	4.14e5	1.28	NO	1.1880	1.000	34.58	1.000	202	101	0.381	202
4	1,2,3,6,7,8-HxCDD	4.57e5	1.28	NO	1.0086	1.000	34.69	1.001	204	102	0.357	204
5	1,2,3,7,8-HxCDD	3.85e5	1.25	NO	0.9820	1.000	34.95	1.000	201	101	0.388	201
6	1,2,3,4,6,7,8-HpCDD	2.94e5	1.07	NO	1.0822	1.000	38.43	1.000	198	99.1	0.540	198
7	OCDD	4.53e5	0.87	NO	1.0440	1.000	41.88	1.000	388	98.5	0.717	388
8	2,3,7,8-TCDF	2.38e5	0.78	NO	0.9700	1.000	25.08	1.001	39.0	98.5	0.0743	39.8
9	1,2,3,7,8-PeCDF	8.04e5	1.80	NO	0.9580	1.000	29.94	1.001	204	102	0.258	204
10	1,2,3,4,7,8-HxCDF	8.26e5	1.58	NO	1.0074	1.000	30.93	1.001	204	102	0.225	204
11	1,2,3,4,7,8-HxCDF	8.82e5	1.25	NO	1.1632	1.000	33.72	1.000	201	101	0.384	201
12	1,2,3,6,7,8-HxCDF	7.85e5	1.31	NO	1.1431	1.000	33.85	1.001	197	98.8	0.370	197
13	1,2,3,4,6,7,8-HpCDF	7.08e5	1.27	NO	1.2131	1.000	34.42	1.000	198	98.2	0.403	198
14	1,2,3,7,8-HxCDF	5.28e5	1.25	NO	1.1349	1.000	35.29	1.000	197	98.8	0.552	197
15	1,2,3,4,6,7,8-HpCDF	5.23e5	1.05	NO	1.1891	1.000	37.02	1.000	198	99.7	0.491	198
16	1,2,3,4,7,8-HpCDF	3.85e5	1.03	NO	1.3086	1.000	38.06	1.001	198	98.9	0.637	198
17	OCDF	8.14e5	0.81	NO	1.0814	1.000	41.88	1.000	394	98.5	0.583	394
18	13C-2,3,7,8-TCDD	4.35e5	0.78	NO	1.1733	1.000	28.05	1.027	104	104	0.281	
19	13C-1,2,3,7,8-PeCDD	2.78e5	0.82	NO	0.7721	1.000	31.23	1.232	101	101	0.502	
20	13C-1,2,3,4,7,8-HxCDD	1.75e5	1.25	NO	0.9889	1.000	34.57	1.014	94.9	94.9	0.357	
21	13C-1,2,3,6,7,8-HxCDD	2.23e5	1.28	NO	0.7631	1.000	34.87	1.017	94.7	94.7	0.280	



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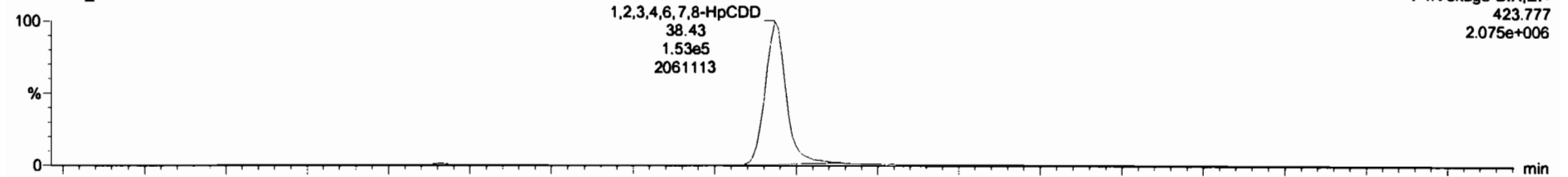
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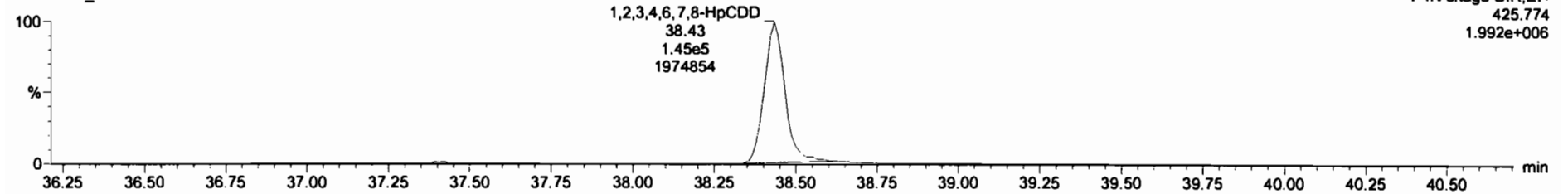
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1,2,3,4,6,7,8-HpCDD

200128K1_4

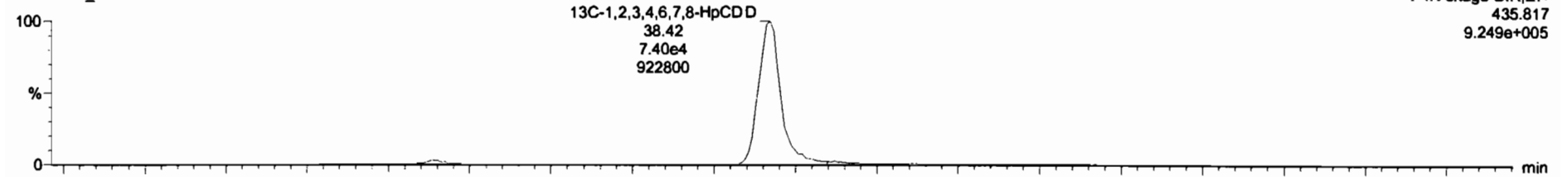


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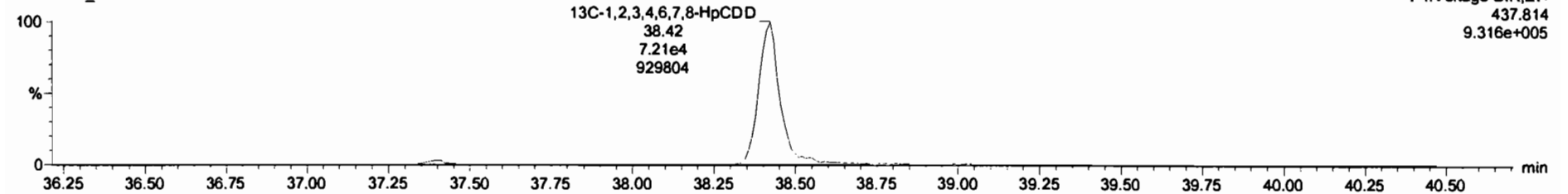


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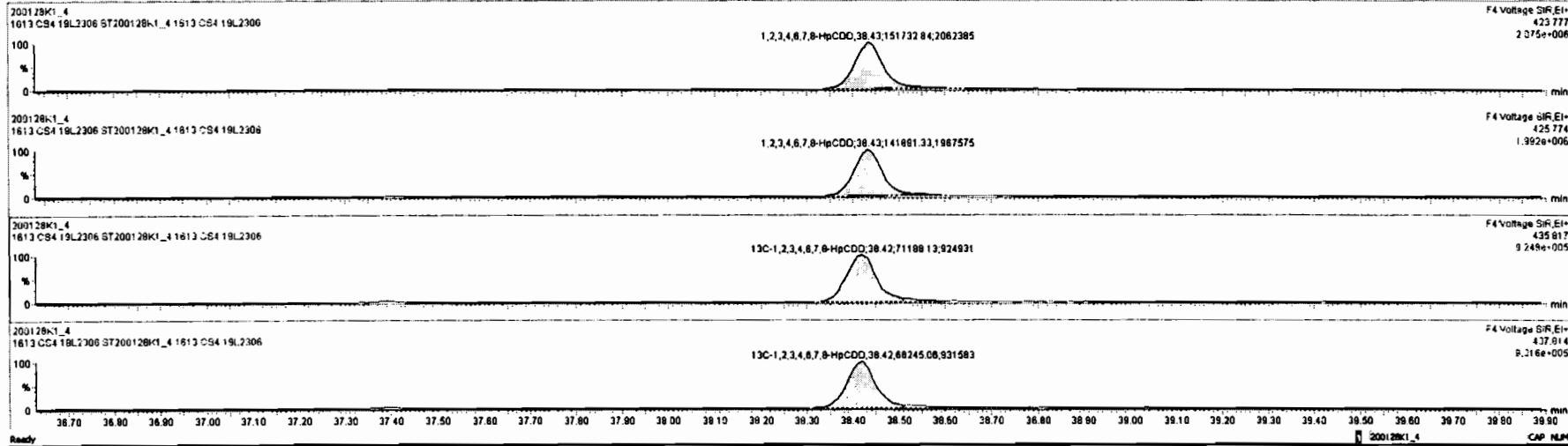
200128K1_4



200128K1_4



SI	Name	Resp	RA	rvf	RFV	wtVal	RT	RRT	Conc.	%Rec	DL	BlkPC
1	2,3,7,8-TCDD	1.58e5	0.76	NO	0.9431	1.000	28.08	1.002	38.0	94.9	0.112	38.0
2	1,2,3,7,8-PeCDD	5.02e5	0.82	NO	0.8974	1.000	31.25	1.001	201	100	0.171	201
3	1,2,3,4,7,8-HxCDD	4.14e5	1.26	NO	1.1880	1.000	34.58	1.000	202	101	0.381	202
4	1,2,3,6,7,8-HxCDD	4.57e5	1.26	NO	1.0068	1.000	34.69	1.001	204	102	0.357	204
5	1,2,3,7,8,9-HxCDD	3.95e5	1.25	NO	0.8620	1.000	34.85	1.000	201	101	0.398	201
6	1,2,3,4,6,7,8-HpCDD	2.89e6	1.07	NO	1.8522	1.000	38.43	1.000	198	98.3	0.548	198
7	OCDD	4.52e5	0.87	NO	1.0440	1.000	41.86	1.000	390	99.5	0.717	390
8	2,3,7,8-TCDF	2.39e5	0.78	NO	0.9700	1.000	25.08	1.001	38.8	99.5	0.0743	38.8
9	1,2,3,7,8-PeCDF	8.04e5	1.80	NO	0.9580	1.000	29.94	1.001	204	102	0.256	204
10	2,3,4,7,8-PeCDF	6.38e5	1.58	NO	1.0074	1.000	30.83	1.001	204	102	0.225	204
11	1,2,3,4,7,8-HxCDF	6.02e5	1.25	NO	1.1632	1.000	33.72	1.000	201	101	0.384	201
12	1,2,3,6,7,8-HxCDF	7.85e5	1.31	NO	1.1431	1.000	33.85	1.001	197	98.8	0.370	197
13	2,3,4,6,7,8-HxCDF	7.06e5	1.27	NO	1.2131	1.000	34.43	1.000	198	98.3	0.403	198
14	1,2,3,7,8,9-HxCDF	5.28e5	1.25	NO	1.1348	1.000	35.28	1.000	197	98.6	0.582	197
15	1,2,3,4,6,7,8-HpCDF	5.23e5	1.05	NO	1.1881	1.000	37.02	1.000	199	98.7	0.481	199
16	1,2,3,4,7,8,9-HpCDF	3.85e5	1.03	NO	1.3098	1.000	38.06	1.001	198	98.8	0.637	198
17	OCDF	6.14e5	0.91	NO	1.0814	1.000	41.88	1.000	394	99.5	0.583	394
18	13C-2,3,7,8-TCDD	4.35e5	0.76	NO	1.1733	1.000	36.05	1.027	104	104	0.281	
19	13C-1,2,3,7,8-PeCDD	2.78e5	0.82	NO	0.7731	1.000	31.23	1.232	101	101	0.502	
20	13C-1,2,3,4,7,8-HxCDD	1.75e5	1.25	NO	0.9988	1.000	34.57	1.014	94.9	94.8	0.357	
21	13C-1,2,3,6,7,8-HxCDD	2.23e5	1.26	NO	0.7631	1.000	34.67	1.017	94.7	94.7	0.380	

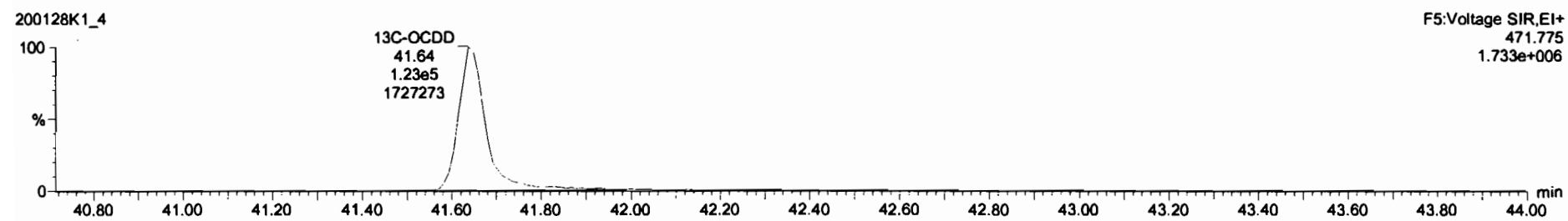
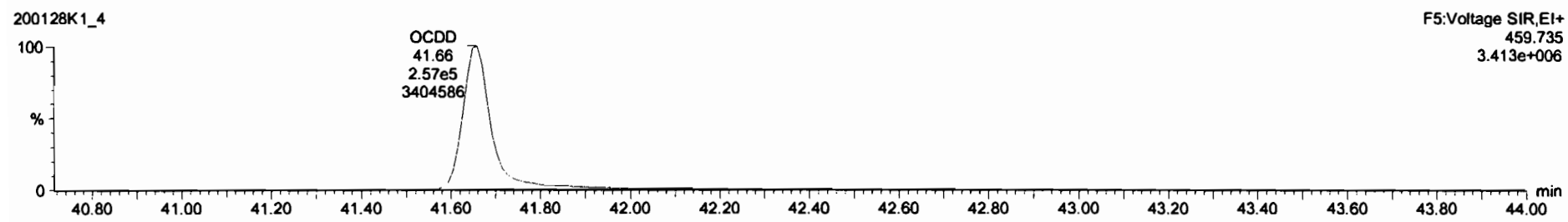
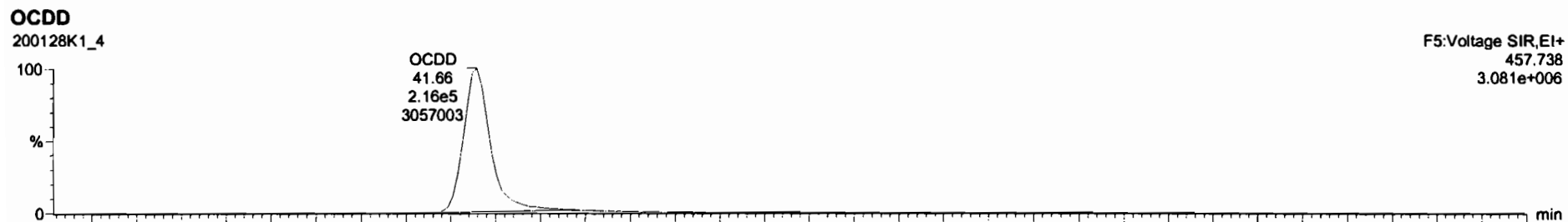


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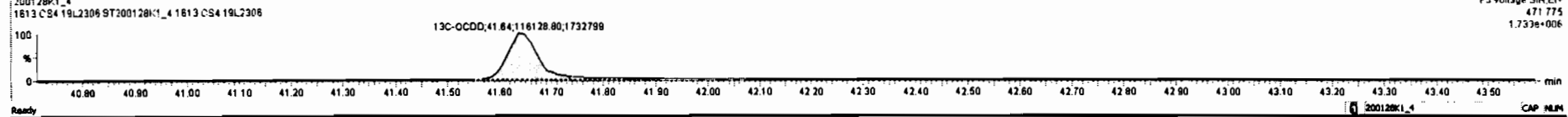
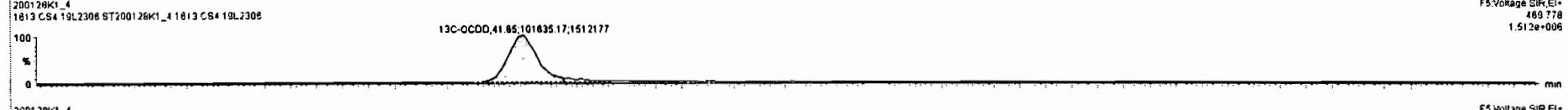
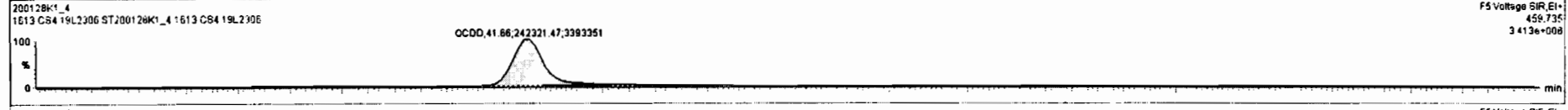
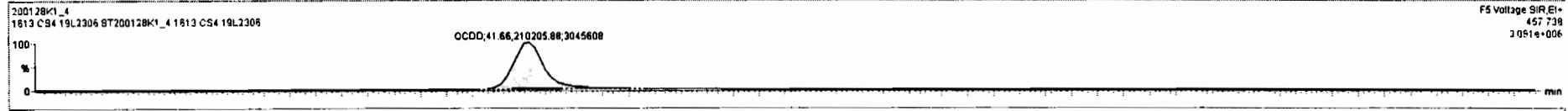
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Name: 200128K1_4, Date: 28-Jan-2020, Time: 14:32:41, ID: ST200128K1_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306



#	Name	Retp	RA	dy	RPF	wHwt	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.56e5	0.76	NO	0.9431	1.000	26.09	1.002	36.0	94.9	0.112	36.0
2	1,2,3,7,8-PeCDD	5.02e5	0.62	NO	0.8874	1.000	31.25	1.001	201	100	0.171	201
3	1,2,3,4,7,8-HxCDD	4.14e5	1.26	NO	1.1680	1.000	34.58	1.000	202	101	0.391	202
4	1,2,3,6,7,8-HxCDD	4.57e5	1.26	NO	1.0068	1.000	34.89	1.001	204	102	0.357	204
5	1,2,3,7,8,9-HxCDD	3.95e5	1.25	NO	0.9820	1.000	34.95	1.000	201	101	0.396	201
6	1,2,3,4,6,7,8-HpCDD	2.94e5	1.07	NO	1.0822	1.000	36.43	1.000	198	98.1	0.540	198
7	OCDD	4.83e5	0.87	NO	1.0440	1.000	41.86	1.000	368	98.5	0.717	368
8	2,3,7,8-TCDF	2.36e5	0.79	NO	0.9700	1.000	25.06	1.001	39.8	99.5	0.0743	39.8
9	1,2,3,7,8-PeCDF	8.04e5	1.80	NO	0.9580	1.000	29.94	1.001	204	102	0.258	204
10	2,3,4,7,8-PeCDF	8.36e5	1.58	NO	1.0074	1.000	30.93	1.001	204	102	0.225	204
11	1,2,3,4,7,8-HxCDF	6.92e5	1.25	NO	1.1632	1.000	33.72	1.000	201	101	0.384	201
12	1,2,3,6,7,8-HxCDF	7.65e5	1.31	NO	1.1431	1.000	33.85	1.001	197	98.8	0.370	197
13	2,3,4,6,7,8-HxCDF	7.06e5	1.27	NO	1.2131	1.000	34.42	1.000	198	98.2	0.400	198
14	1,2,3,7,8,9-HxCDF	5.28e5	1.25	NO	1.1349	1.000	35.29	1.000	197	98.6	0.552	197
15	1,2,3,4,6,7,8-HpCDF	5.23e5	1.05	NO	1.1891	1.000	37.02	1.000	199	99.7	0.491	199
16	1,2,3,4,7,8,9-HpCDF	3.85e5	1.03	NO	1.3886	1.000	38.08	1.001	198	98.9	0.637	198
17	OCDF	6.14e5	0.91	NO	1.0814	1.000	41.86	1.000	364	98.5	0.583	364
18	13C-2,3,7,8-TCDD	4.35e5	0.78	NO	1.1733	1.000	26.05	1.027	104	104	0.291	
19	13C-1,2,3,7,8-PeCDD	2.79e5	0.62	NO	0.7731	1.000	31.23	1.232	101	101	0.502	
20	13C-1,2,3,4,7,8-HxCDD	1.75e5	1.25	NO	0.5988	1.000	34.57	1.014	94.9	94.9	0.357	
21	13C-1,2,3,6,7,8-HxCDD	2.23e5	1.29	NO	0.7631	1.000	34.87	1.017	94.7	94.7	0.280	



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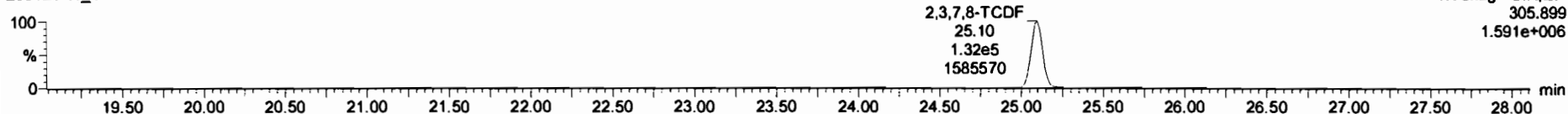
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2,3,7,8-TCDF

200128K1_4

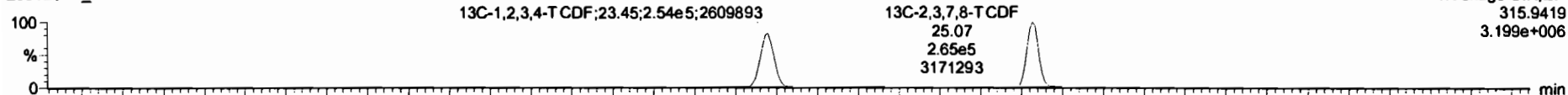


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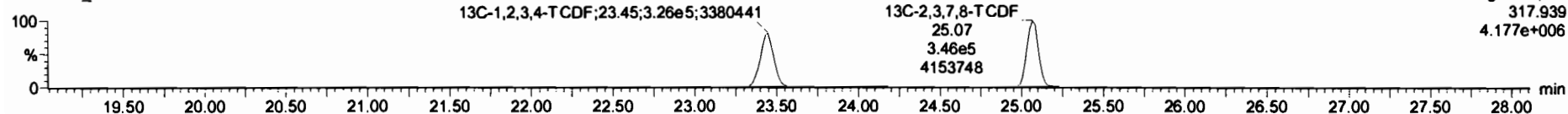


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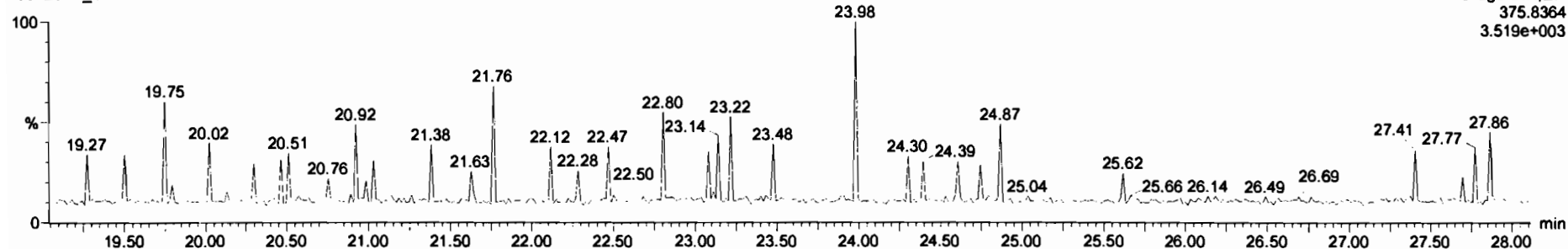


200128K1_4



DPE1

200128K1_4



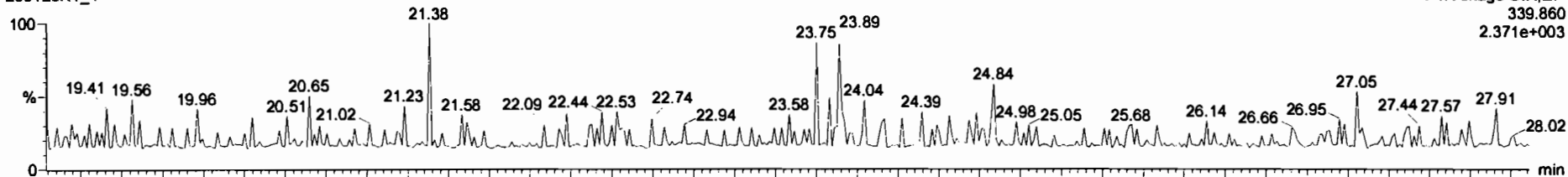
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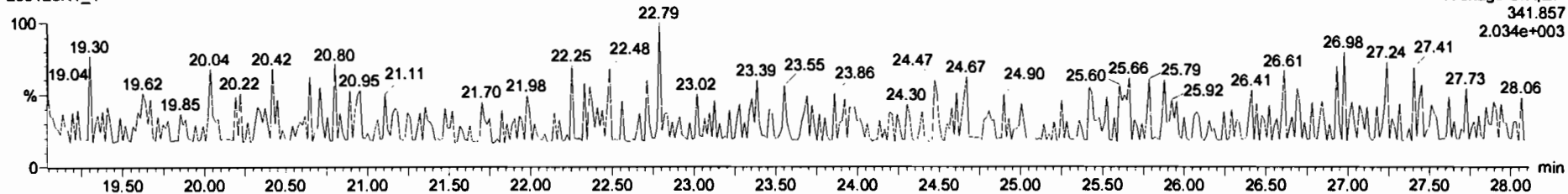
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1st Func. Penta-Furans

200128K1_4

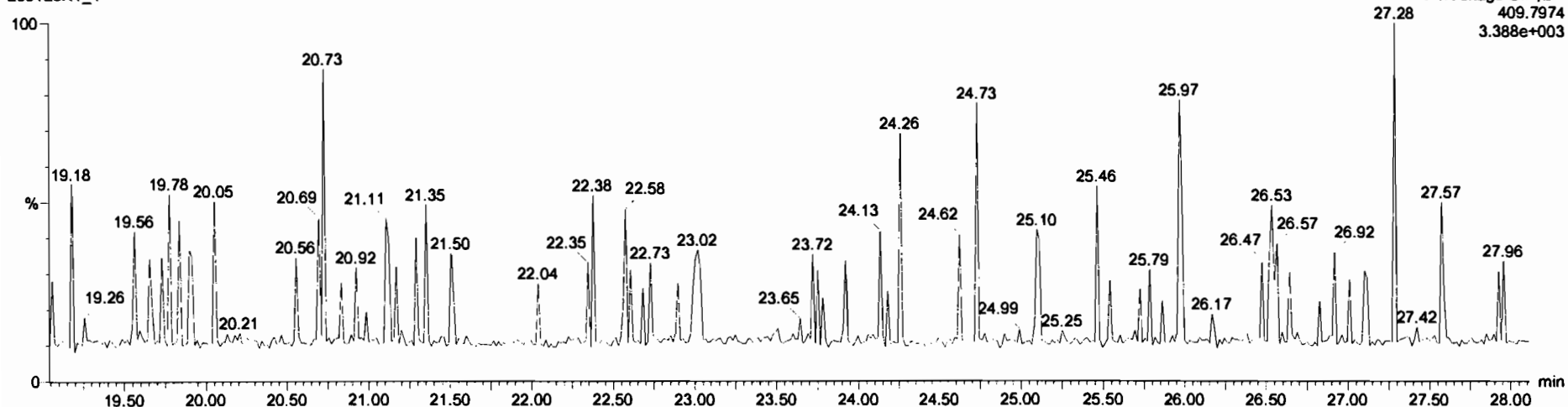


200128K1_4



DPE6

200128K1_4



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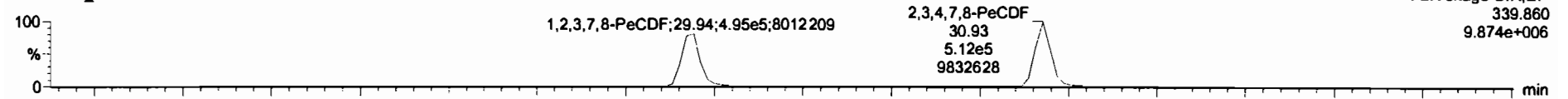
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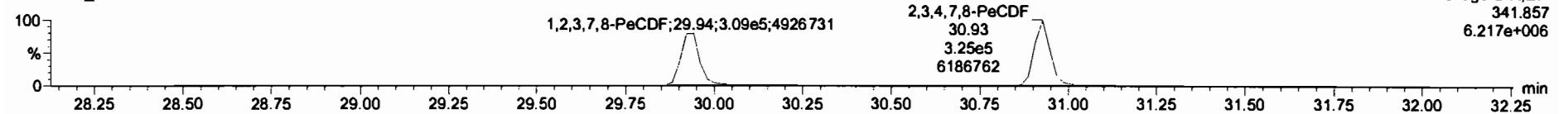
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1,2,3,7,8-PeCDF

200128K1_4

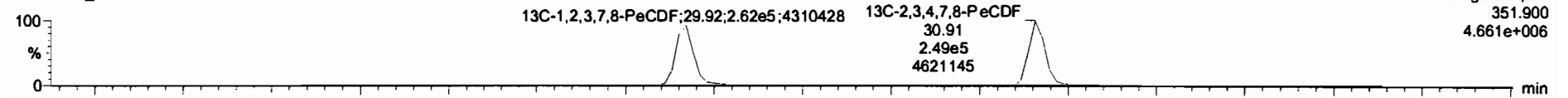


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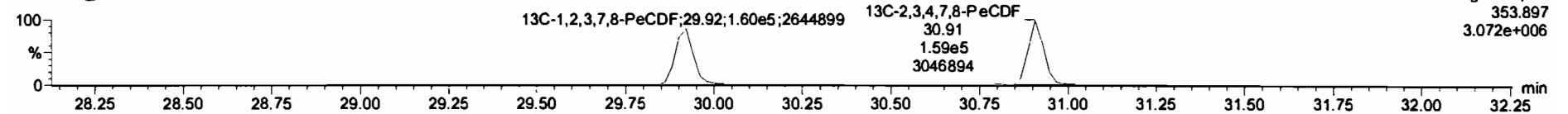


13C-1,2,3,7,8-PeCDF

200128K1_4

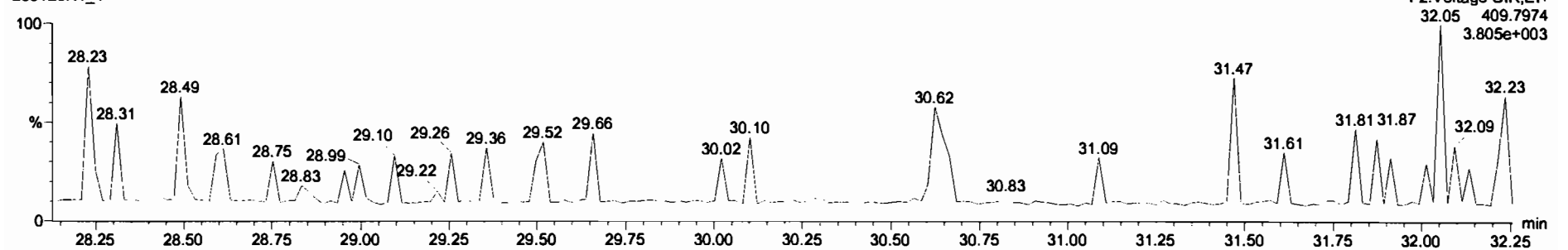


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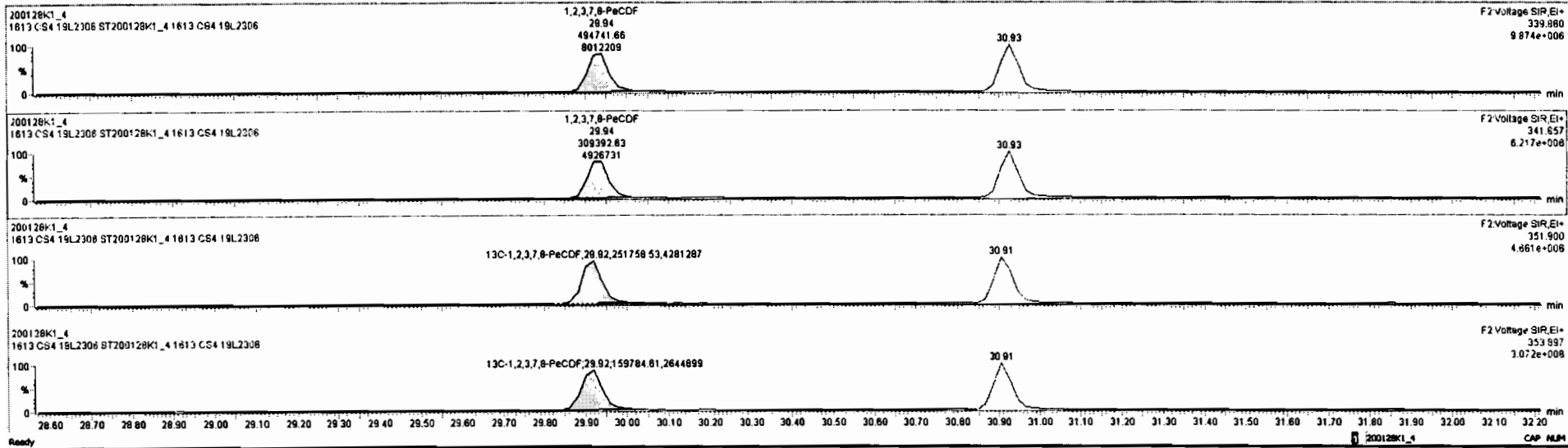


DPE2

200128K1_4



Name	Resp	RA	n/y	RRF	wtVol	RT	PRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.58e5	0.76	NO	0.9431	1.000	28.09	1.002	36.0	94.9	0.112	36.0
2 1,2,3,7,8-PeCDD	5.02e5	0.82	NO	0.8974	1.000	31.25	1.001	201	100	0.171	201
3 1,2,3,4,7,8-HxCDD	4.14e5	1.26	NO	1.1680	1.000	34.58	1.000	202	101	0.391	202
4 1,2,3,6,7,8-HxCDD	4.57e5	1.26	NO	1.0068	1.000	34.89	1.001	204	102	0.357	204
5 1,2,3,7,8,9-HxCDD	3.95e5	1.25	NO	0.9820	1.000	34.95	1.000	201	101	0.399	201
6 1,2,3,4,6,7,8-HpCDD	2.94e5	1.07	NO	1.0822	1.000	38.43	1.000	198	99.1	0.540	198
7 OCDD	4.53e5	0.87	NO	1.0440	1.000	41.68	1.000	399	99.5	0.717	399
8 2,3,7,8-TCDF	2.38e5	0.79	NO	0.8700	1.000	25.08	1.001	96.8	98.5	0.0743	96.8
9 1,2,3,7,8-PeCDF	8.04e5	1.80	NO	0.9890	1.000	29.94	1.001	294	102	0.295	294
10 2,3,4,7,8-PeCDF	8.38e5	1.58	NO	1.0074	1.000	30.93	1.001	204	102	0.225	204
11 1,2,3,4,7,8-HxCDF	8.92e5	1.25	NO	1.1632	1.000	33.72	1.000	201	101	0.364	201
12 1,2,3,6,7,8-HxCDF	7.65e5	1.31	NO	1.1431	1.000	33.85	1.001	187	98.8	0.370	187
13 2,3,4,6,7,8-HxCDF	7.08e5	1.27	NO	1.2131	1.000	34.42	1.000	199	98.2	0.403	199
14 1,2,3,7,8,9-HxCDF	5.26e5	1.25	NO	1.1349	1.000	35.29	1.000	197	98.6	0.552	197
15 1,2,3,4,6,7,8-HpCDF	5.23e5	1.05	NO	1.1891	1.000	37.02	1.000	199	98.7	0.481	199
16 1,2,3,4,7,8,9-HpCDF	3.85e5	1.03	NO	1.3898	1.000	39.06	1.001	198	98.9	0.637	198
17 OCDF	6.14e5	0.91	NO	1.0814	1.000	41.86	1.000	394	98.5	0.583	394
18 13C-2,3,7,8-TCDD	4.35e5	0.76	NO	1.1733	1.000	28.05	1.027	104	104	0.291	
19 13C-1,2,3,7,8-PeCDD	2.79e5	0.82	NO	0.7731	1.000	31.23	1.232	101	101	0.502	
20 13C-1,2,3,4,7,8-HxCDD	1.75e5	1.25	NO	0.9999	1.000	34.57	1.014	94.9	94.8	0.357	
21 13C-1,2,3,6,7,8-HxCDD	2.23e5	1.29	NO	0.7631	1.000	34.67	1.017	94.7	94.7	0.280	



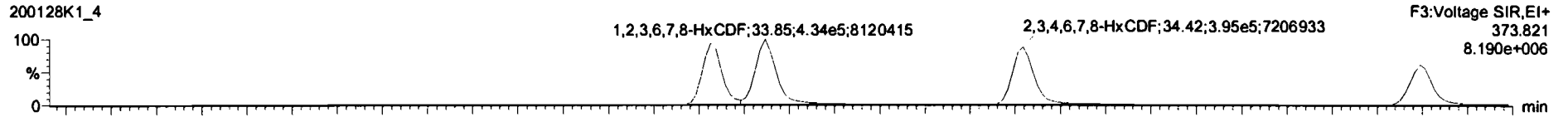
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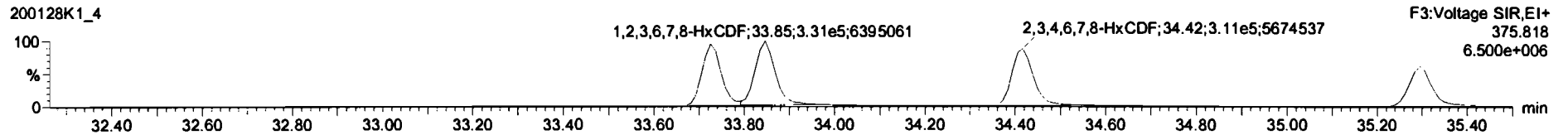
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1,2,3,4,7,8-HxCDF

200128K1_4

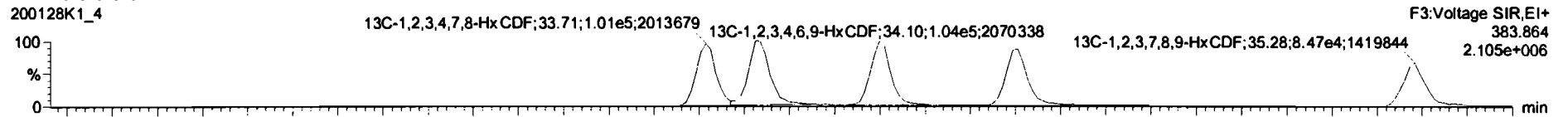


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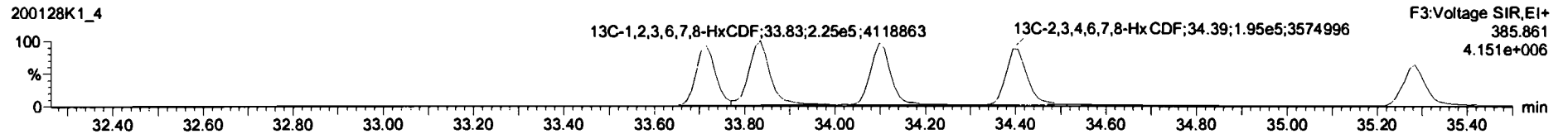


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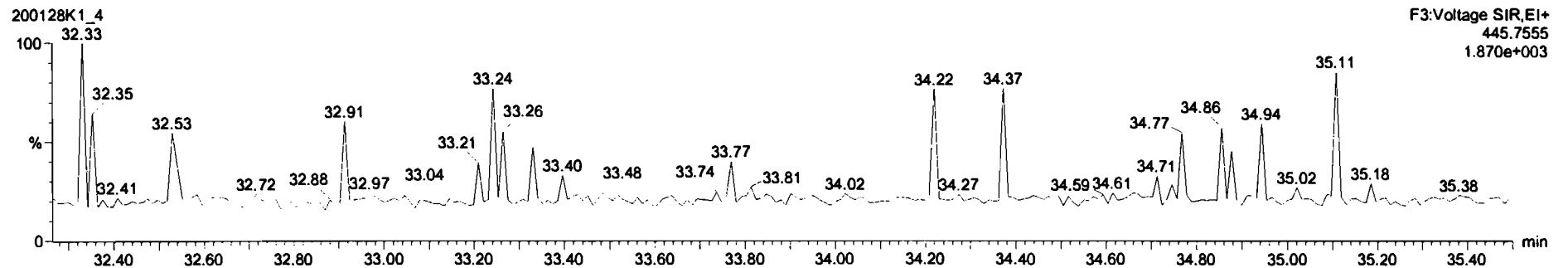


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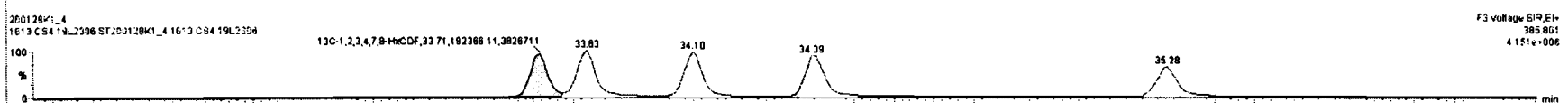
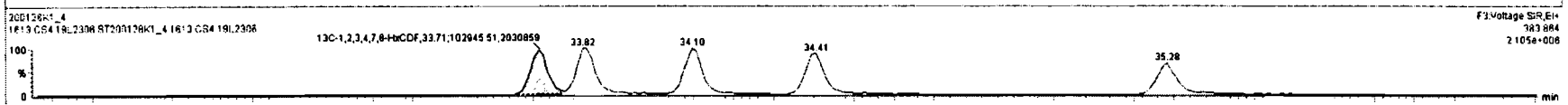
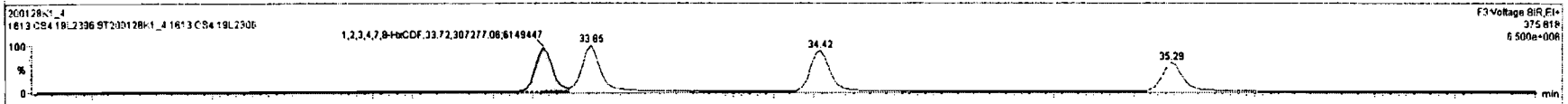
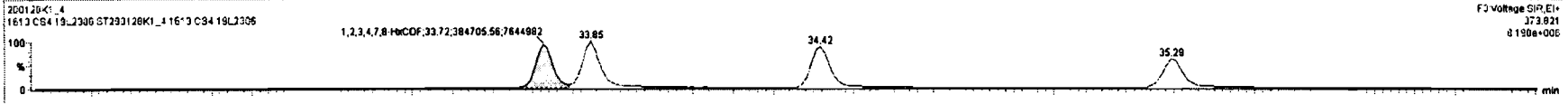


DPE3

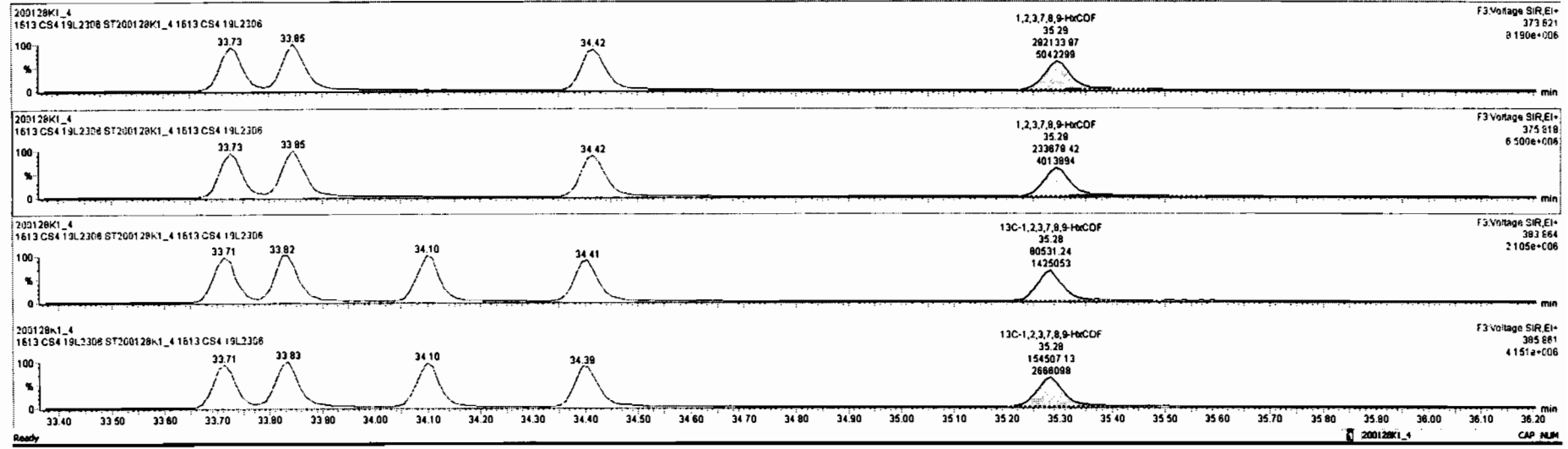
200128K1_4



#	Name	Resp	RA	rv	RPF	wtAve	RT	RRT	Conc.	%Rec	DL	DLPC
1	2,3,7,8-TCDF	1.58e5	0.76	NO	0.9431	1.000	28.08	1.002	38.0	94.9	0.112	38.0
2	1,2,3,7,8-PeCDD	5.02e5	0.82	NO	0.8874	1.000	31.25	1.001	201	100	0.171	201
3	1,2,3,4,7,8-HxCDD	4.14e5	1.28	NO	1.1880	1.000	34.58	1.000	202	101	0.381	202
4	1,2,3,6,7,8-HxCDD	4.57e5	1.26	NO	1.0068	1.000	34.68	1.001	204	102	0.357	204
5	1,2,3,7,8,9-HxCDD	3.95e5	1.25	NO	0.9820	1.000	34.95	1.000	201	101	0.398	201
6	1,2,3,4,6,7,8-HpCDD	2.94e5	1.07	NO	1.0822	1.000	38.43	1.000	198	99.1	0.540	198
7	OCDD	4.53e5	0.87	NO	1.0440	1.000	41.85	1.000	388	99.5	0.717	388
8	2,3,7,8-TCDF	2.38e5	0.78	NO	0.8700	1.000	28.08	1.001	38.8	99.5	0.0743	38.8
9	1,2,3,7,8-PeCDF	6.04e5	1.80	NO	0.9590	1.000	28.94	1.001	204	102	0.258	204
10	2,3,4,7,8-PeCDF	8.38e5	1.58	NO	1.0874	1.000	30.93	1.001	204	102	0.225	204
11	1,2,3,4,7,8-HxCDF	8.82e5	1.28	NO	1.1650	1.000	33.72	1.000	201	101	0.384	201
12	1,2,3,6,7,8-HxCDF	7.85e5	1.31	NO	1.1431	1.000	33.85	1.001	197	98.8	0.370	197
13	2,3,4,6,7,8-HxCDF	7.08e5	1.27	NO	1.2131	1.000	34.42	1.000	198	98.2	0.403	198
14	1,2,3,7,8,9-HxCDF	5.28e5	1.25	NO	1.1349	1.000	36.29	1.000	197	98.6	0.552	197
15	1,2,3,4,6,7,8-HpCDF	5.23e5	1.05	NO	1.1891	1.000	37.02	1.000	198	98.7	0.481	198
16	1,2,3,4,7,8,9-HpCDF	3.85e5	1.03	NO	1.2888	1.000	38.08	1.001	198	98.8	0.637	198
17	OCDF	6.14e5	0.91	NO	1.0814	1.000	41.86	1.000	384	98.5	0.583	384
18	13C-2,3,7,8-TCDD	4.35e5	0.78	NO	1.1733	1.000	28.05	1.027	104	104	0.281	
19	13C-1,2,3,7,8-PeCDD	2.78e5	0.82	NO	0.7731	1.000	31.23	1.232	101	101	0.502	
20	13C-1,2,3,4,7,8-HxCDD	1.75e5	1.25	NO	0.5899	1.000	34.57	1.014	94.9	94.9	0.357	
21	13C-1,2,3,6,7,8-HxCDD	2.23e5	1.29	NO	0.7831	1.000	34.67	1.017	94.7	94.7	0.280	



Sl	Name	Resp	RA	dy	RNF	retAcq	RT	RRT	Conc.	%RSD	DL	EMPC
1	2,3,7,8-TCDD	1.58e5	0.76	NO	0.9431	1.000	28.09	1.002	38.0	94.9	0.112	38.0
2	1,2,3,7,8-PeCDD	5.02e5	0.82	NO	0.8874	1.000	31.25	1.001	201	100	0.171	201
3	1,2,3,4,7,8-HxCDD	4.14e5	1.26	NO	1.1690	1.000	34.58	1.000	202	101	0.281	202
4	1,2,3,6,7,8-HxCDD	4.57e5	1.28	NO	1.0888	1.000	34.60	1.001	204	102	0.257	204
5	1,2,3,7,8,9-HxCDD	3.95e5	1.25	NO	0.9820	1.000	34.95	1.000	201	101	0.298	201
6	1,2,3,4,6,7,8-HpCDD	2.94e5	1.07	NO	1.0622	1.000	38.43	1.000	198	99.1	0.540	198
7	OCDD	4.53e5	0.87	NO	1.0440	1.000	41.86	1.000	388	98.5	0.717	388
8	2,3,7,8-TCDF	2.36e5	0.79	NO	0.9700	1.000	25.08	1.001	39.8	98.5	0.0743	39.8
9	1,2,3,7,8-PeCDF	8.04e5	1.80	NO	0.8590	1.000	29.94	1.001	204	102	0.258	204
10	2,3,4,7,8-PeCDF	8.36e5	1.58	NO	1.0074	1.000	30.93	1.001	204	102	0.225	204
11	1,2,3,4,7,8-HxCDF	8.82e5	1.25	NO	1.1832	1.000	33.72	1.000	201	101	0.264	201
12	1,2,3,6,7,8-HxCDF	7.85e5	1.31	NO	1.1431	1.000	33.85	1.001	197	98.6	0.370	197
13	2,3,4,6,7,8-HxCDF	7.08e5	1.27	NO	1.2131	1.000	34.42	1.000	198	98.2	0.403	198
14	1,2,3,7,8,9-HxCDF	6.28e5	1.26	NO	1.1388	1.000	35.29	1.000	187	98.6	0.393	187
15	1,2,3,4,6,7,8-HpCDF	5.23e5	1.05	NO	1.1891	1.000	37.02	1.000	199	99.7	0.491	199
16	1,2,3,4,7,8,9-HpCDF	3.85e5	1.03	NO	1.3898	1.000	39.08	1.001	198	98.9	0.637	198
17	OCDF	8.14e5	0.91	NO	1.0814	1.000	41.86	1.000	384	98.5	0.583	384
18	13C-2,3,7,8-TCDD	4.35e5	0.76	NO	1.1733	1.000	26.05	1.027	104	104	0.281	
19	13C-1,2,3,7,8-PeCDD	2.79e5	0.82	NO	0.7731	1.000	31.23	1.232	101	101	0.502	
20	13C-1,2,3,4,7,8-HxCDD	1.75e5	1.25	NO	0.5999	1.000	34.57	1.014	94.8	94.9	0.357	
21	13C-1,2,3,6,7,8-HxCDD	2.23e5	1.29	NO	0.7831	1.000	34.67	1.017	94.7	94.7	0.280	



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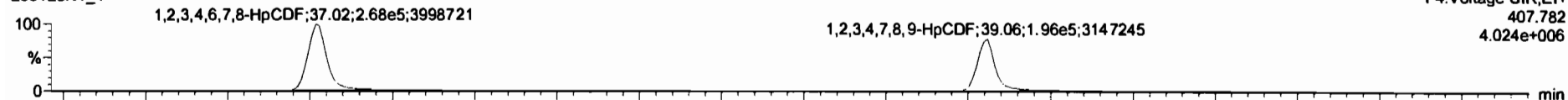
Last Altered: Wednesday, January 29, 2020 07:48:32 Pacific Standard Time

Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

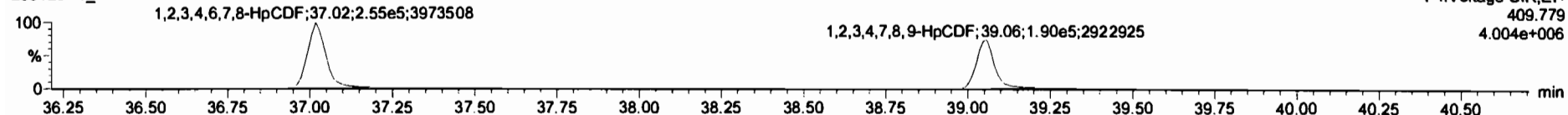
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1,2,3,4,6,7,8-HpCDF

200128K1_4

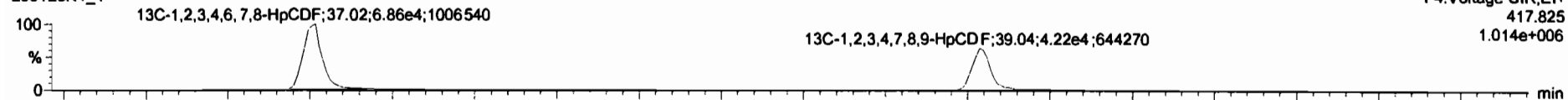


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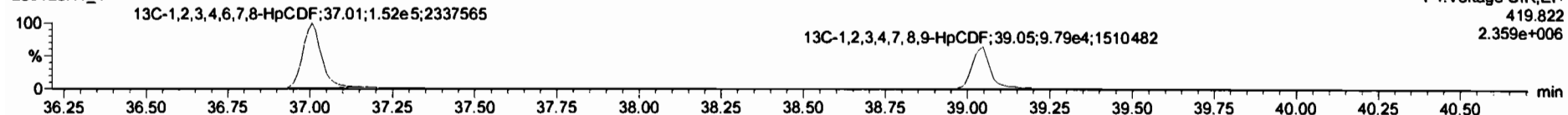


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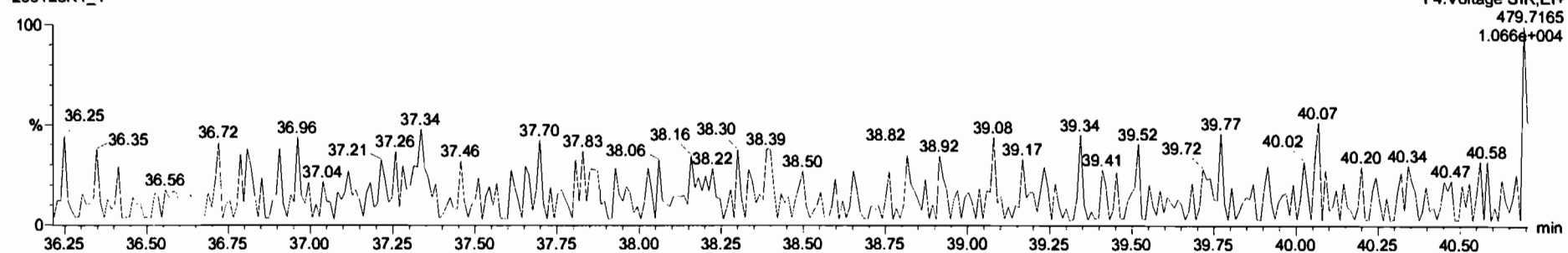


200128K1_4



DPE4

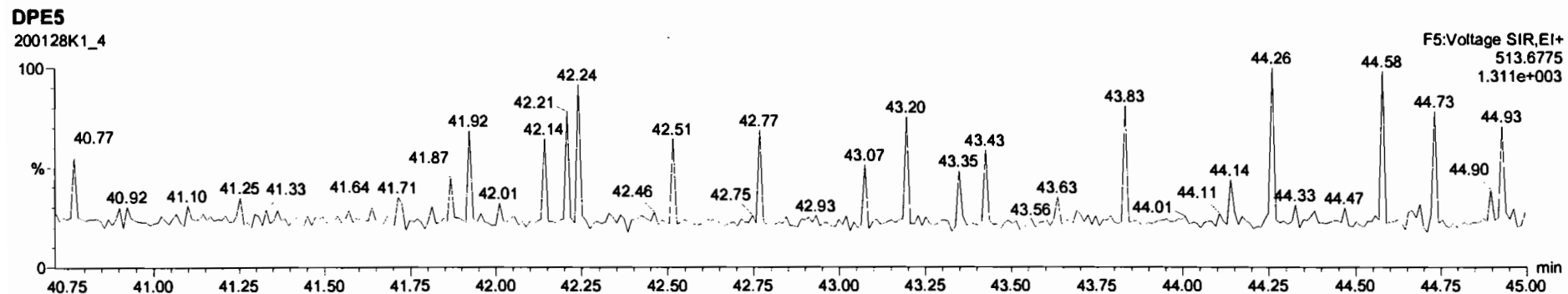
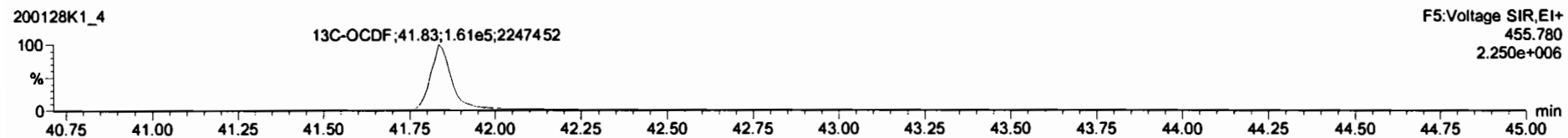
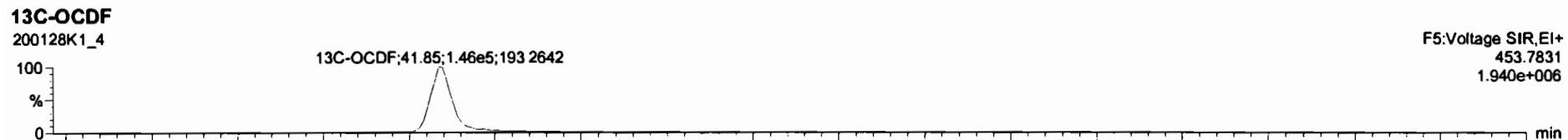
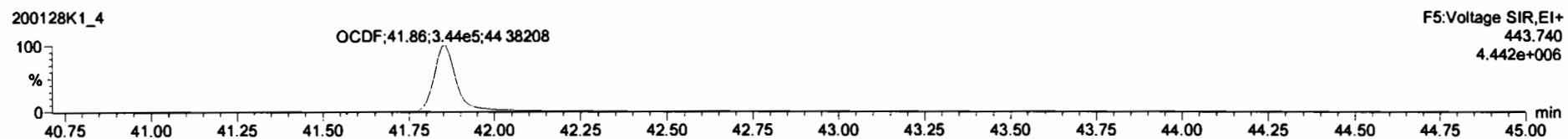
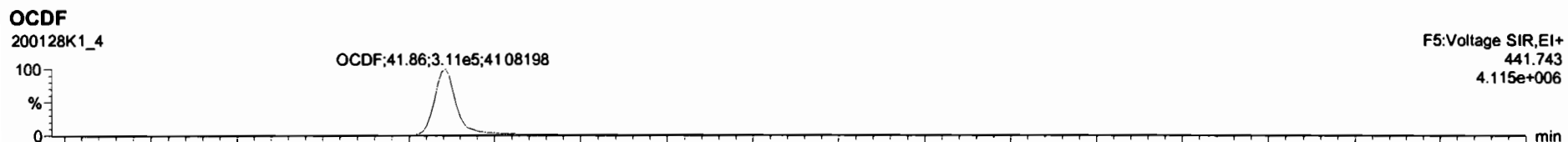
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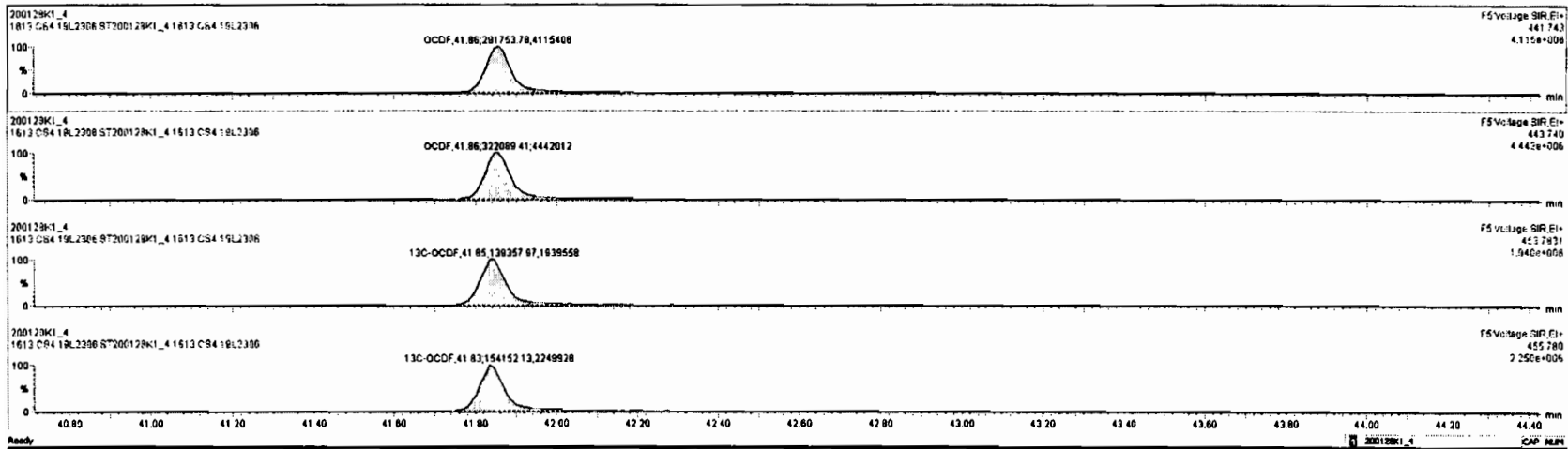
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Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

Name: 200128K1_4, Date: 28-Jan-2020, Time: 14:32:41, ID: ST200128K1_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306



#	Name	Resp	RA	Qty	RP	Wt/Wt	RT	RRT	Conc	%Rec	DL	ExpC
1	1,2,3,7,8-TCDD	1.58e5	0.78	NO	0.9431	1.000	26.08	1.002	38.0	94.8	0.112	36.0
2	1,2,3,7,8-PeCDD	5.02e5	0.82	NO	0.8874	1.000	31.25	1.001	201	100	0.171	201
3	1,2,3,4,7,8-HxCDD	4.14e5	1.28	NO	1.1880	1.000	34.98	1.000	202	101	0.381	202
4	1,2,3,6,7,8-HxCDD	4.57e5	1.26	NO	1.0088	1.000	34.88	1.001	204	102	0.257	204
5	1,2,3,7,8,9-HxCDD	3.85e5	1.25	NO	0.9820	1.000	34.95	1.000	201	101	0.398	201
6	1,2,3,4,6,7,8-HpCDD	7.84e5	1.07	NO	1.0622	1.000	38.43	1.000	198	98.1	0.540	198
7	OCDD	4.53e5	0.87	NO	1.0440	1.000	41.88	1.000	208	99.3	0.717	208
8	1,2,3,7,8-TCDF	2.38e5	0.79	NO	0.9700	1.000	25.08	1.001	38.8	88.5	0.0743	38.8
9	1,2,3,7,8-PeCDF	8.04e5	1.00	NO	0.8580	1.000	29.94	1.001	204	102	0.258	204
10	1,2,3,4,7,8-HxCDF	8.36e5	1.58	NO	1.0074	1.000	30.90	1.001	204	102	0.225	204
11	1,2,3,4,7,8,9-HxCDF	6.92e5	1.25	NO	1.1632	1.000	32.72	1.000	201	101	0.384	201
12	1,2,3,6,7,8-HxCDF	7.65e5	1.31	NO	1.1431	1.000	33.85	1.001	197	98.6	0.370	197
13	1,2,3,4,6,7,8-HpCDF	7.08e5	1.27	NO	1.2131	1.000	34.42	1.000	198	98.2	0.403	198
14	1,2,3,7,8,9-HxCDF	5.28e5	1.25	NO	1.1349	1.000	35.29	1.000	197	98.6	0.552	197
15	1,2,3,4,6,7,8-HpCDF	5.23e5	1.05	NO	1.1891	1.000	37.02	1.000	198	98.7	0.491	198
16	1,2,3,4,7,8,9-HpCDF	3.85e5	1.03	NO	1.2888	1.000	38.08	1.001	198	98.9	0.637	198
17	OCDF	8.14e6	0.81	NO	1.0914	1.000	41.88	1.000	204	98.8	0.880	204
18	13C-1,2,3,7,8-TCDD	4.25e5	0.78	NO	1.1733	1.000	26.05	1.027	104	104	0.291	
19	13C-1,2,3,7,8-PeCDD	2.79e5	0.82	NO	0.7731	1.000	31.23	1.232	101	101	0.502	
20	13C-1,2,3,4,7,8-HxCDD	1.75e5	1.25	NO	0.9888	1.000	34.57	1.014	94.9	94.9	0.357	
21	13C-1,2,3,6,7,8-HxCDD	2.22e5	1.29	NO	0.7631	1.000	34.87	1.017	94.7	94.7	0.280	

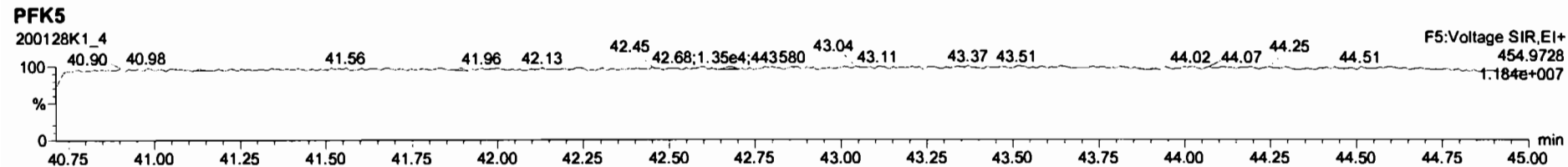
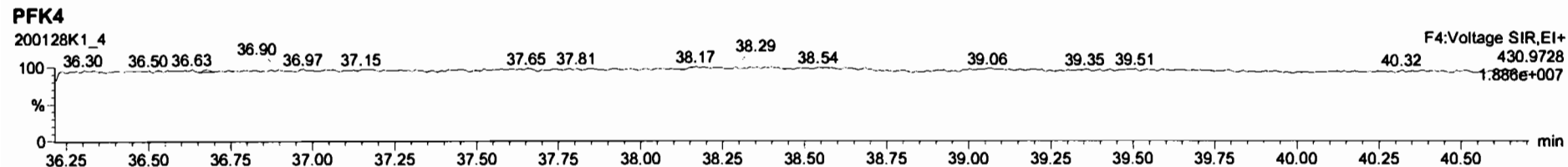
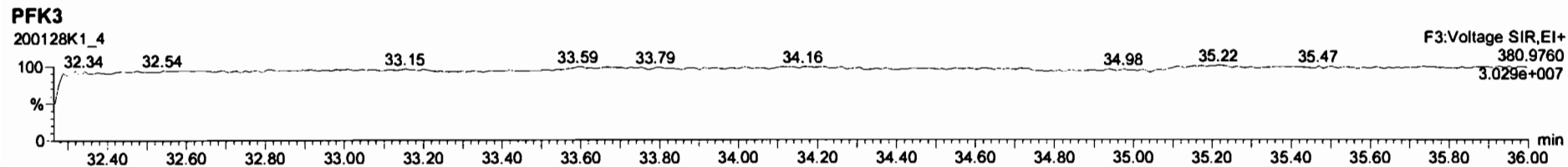
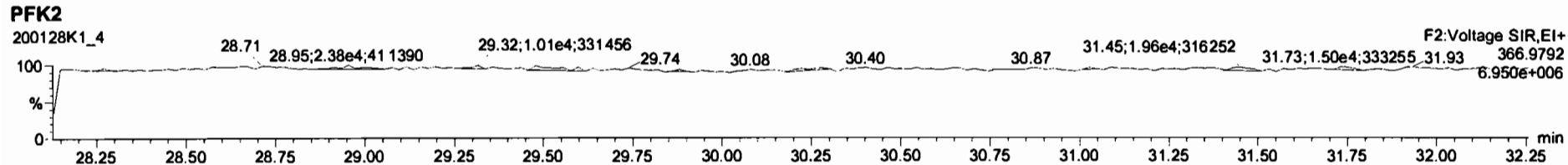
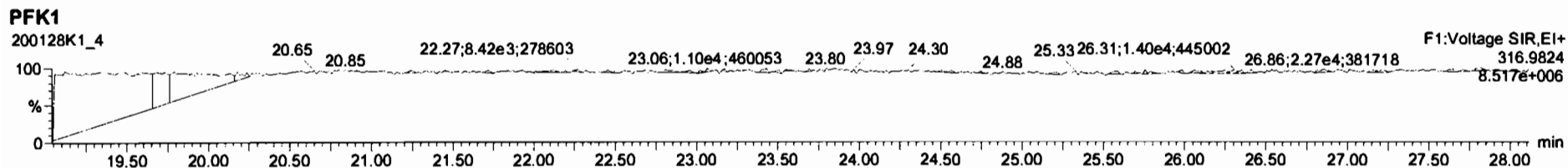


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Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

Name: 200128K1_4, Date: 28-Jan-2020, Time: 14:32:41, ID: ST200128K1_4 1613 CS4 19L2306, Description: 1613 CS4 19L2306



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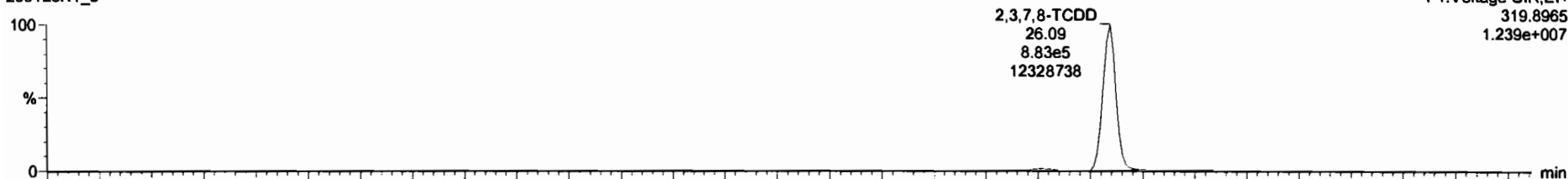
Last Altered: Wednesday, January 29, 2020 07:48:32 Pacific Standard Time

Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

Name: 200128K1_5, Date: 28-Jan-2020, Time: 15:21:04, ID: ST200128K1_5 1613 CS5 19L2307, Description: 1613 CS5 19L2307

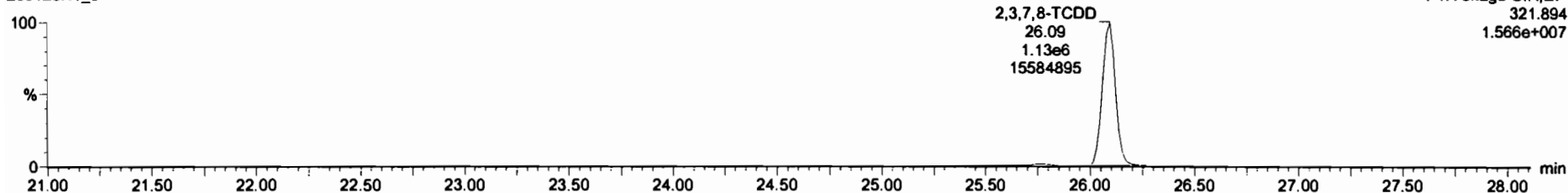
2,3,7,8-TCDD

200128K1_5



F1:Voltage SIR,EI+
319.8965
1.239e+007

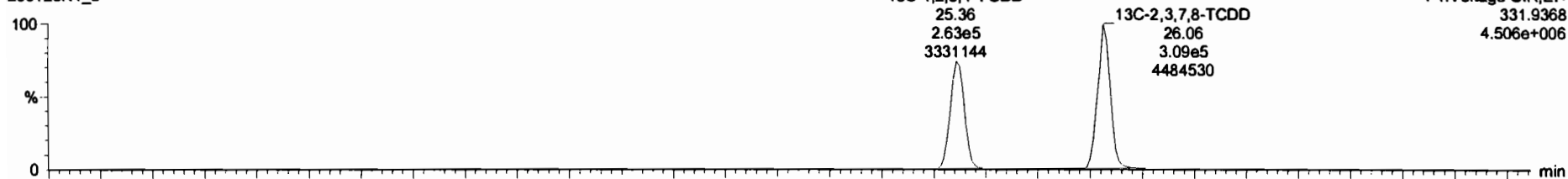
200128K1_5



F1:Voltage SIR,EI+
321.894
1.566e+007

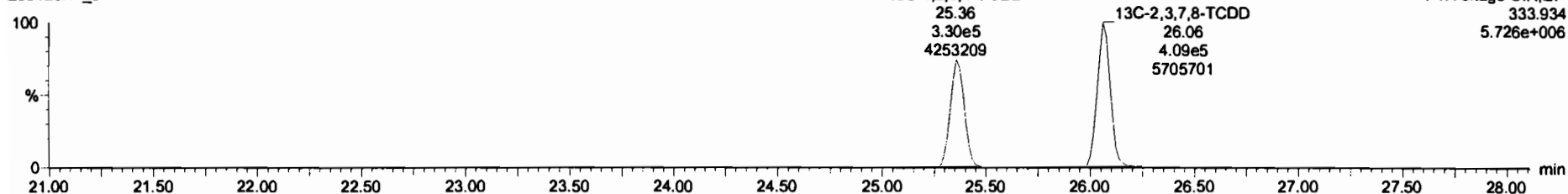
13C-2,3,7,8-TCDD

200128K1_5



F1:Voltage SIR,EI+
331.9368
4.506e+006

200128K1_5



F1:Voltage SIR,EI+
333.934
5.726e+006

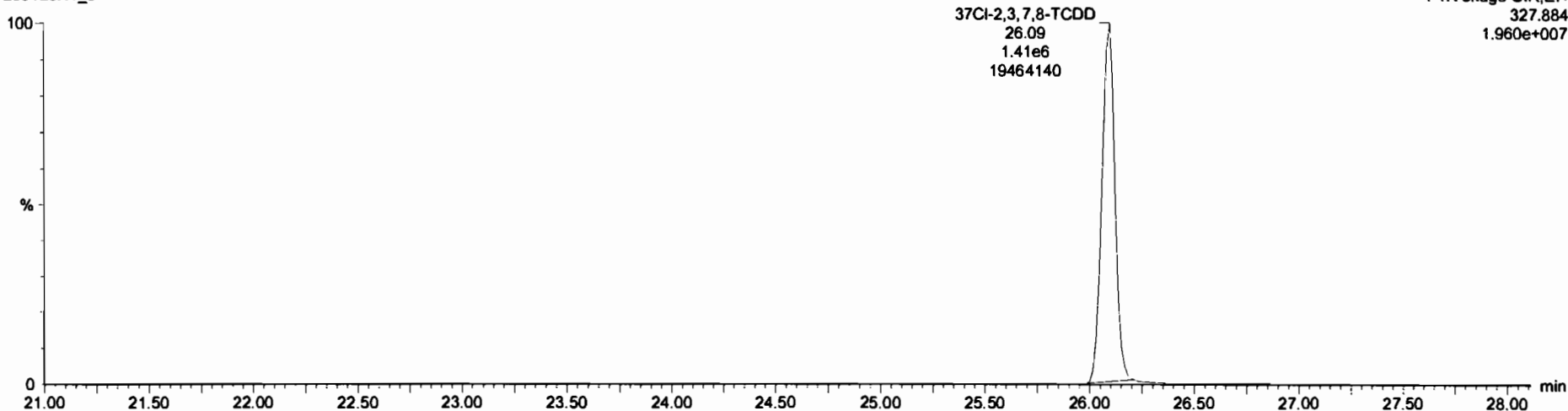
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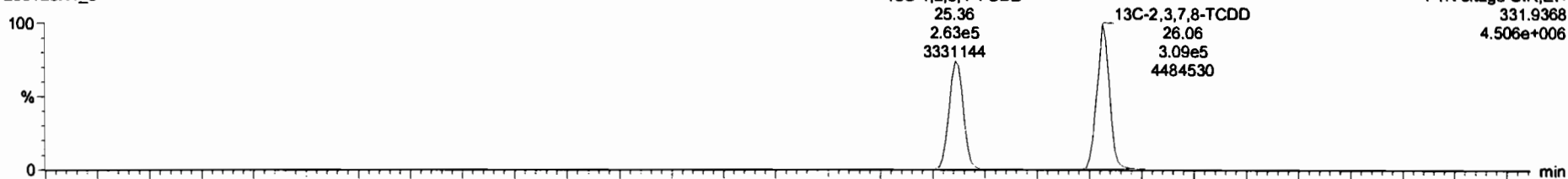
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200128K1_5

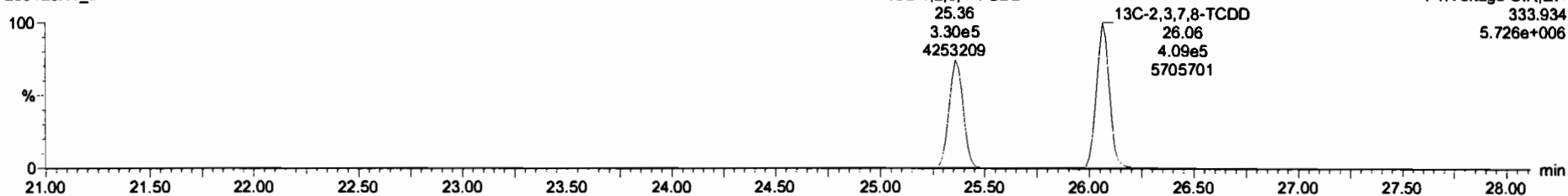


13C-1,2,3,4-TCDD

200128K1_5



200128K1_5



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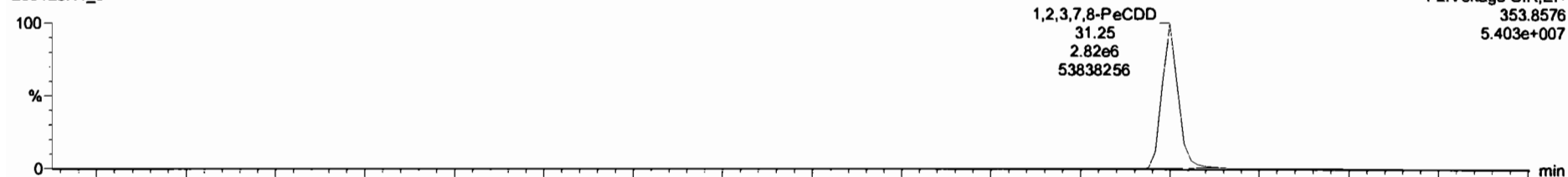
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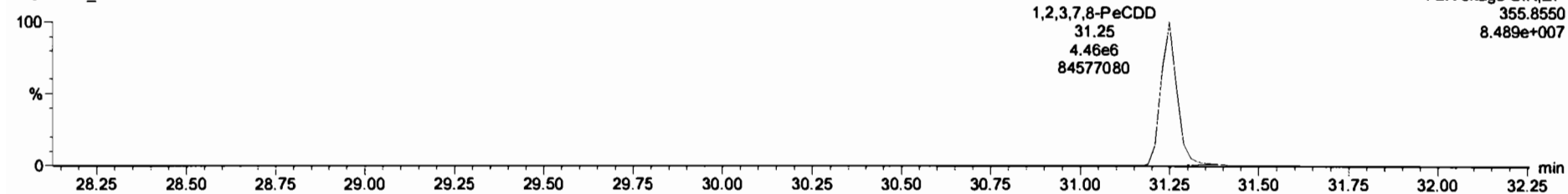
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1,2,3,7,8-PeCDD

200128K1_5

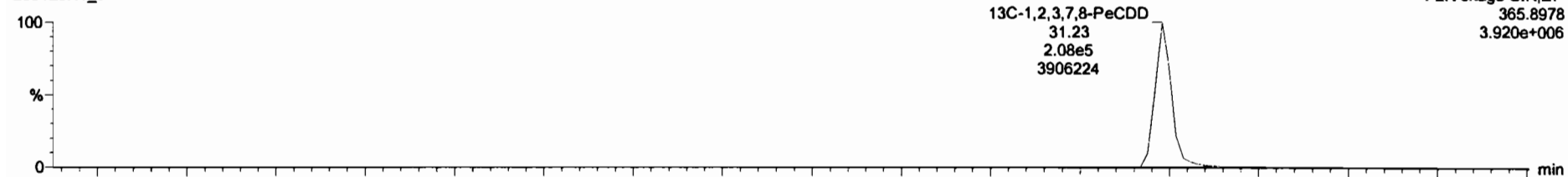


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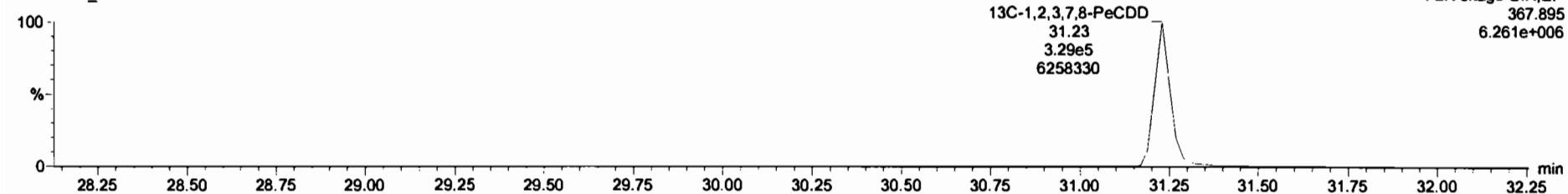


13C-1,2,3,7,8-PeCDD

200128K1_5



200128K1_5



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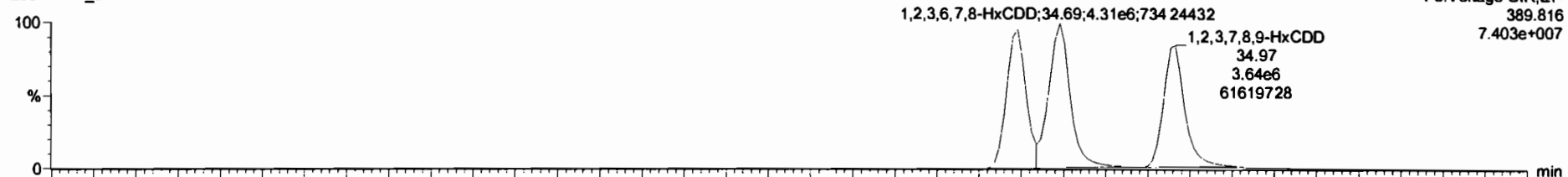
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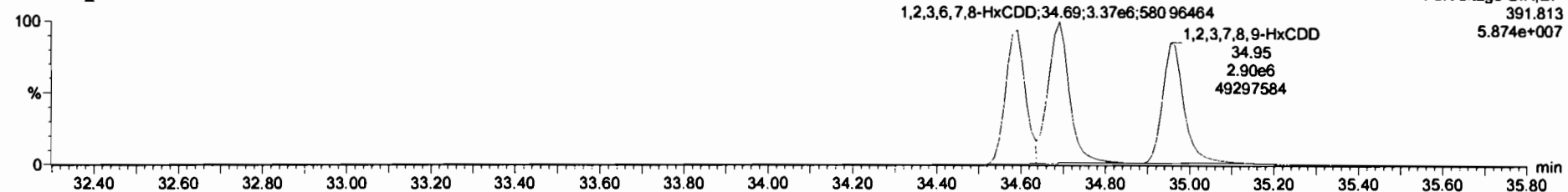
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1,2,3,4,7,8-HxCDD

200128K1_5

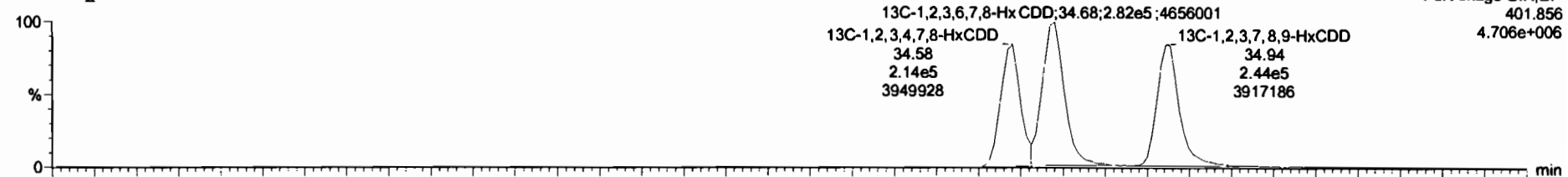


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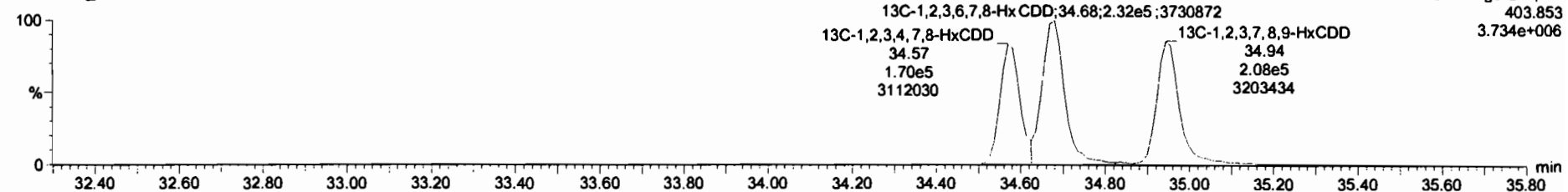


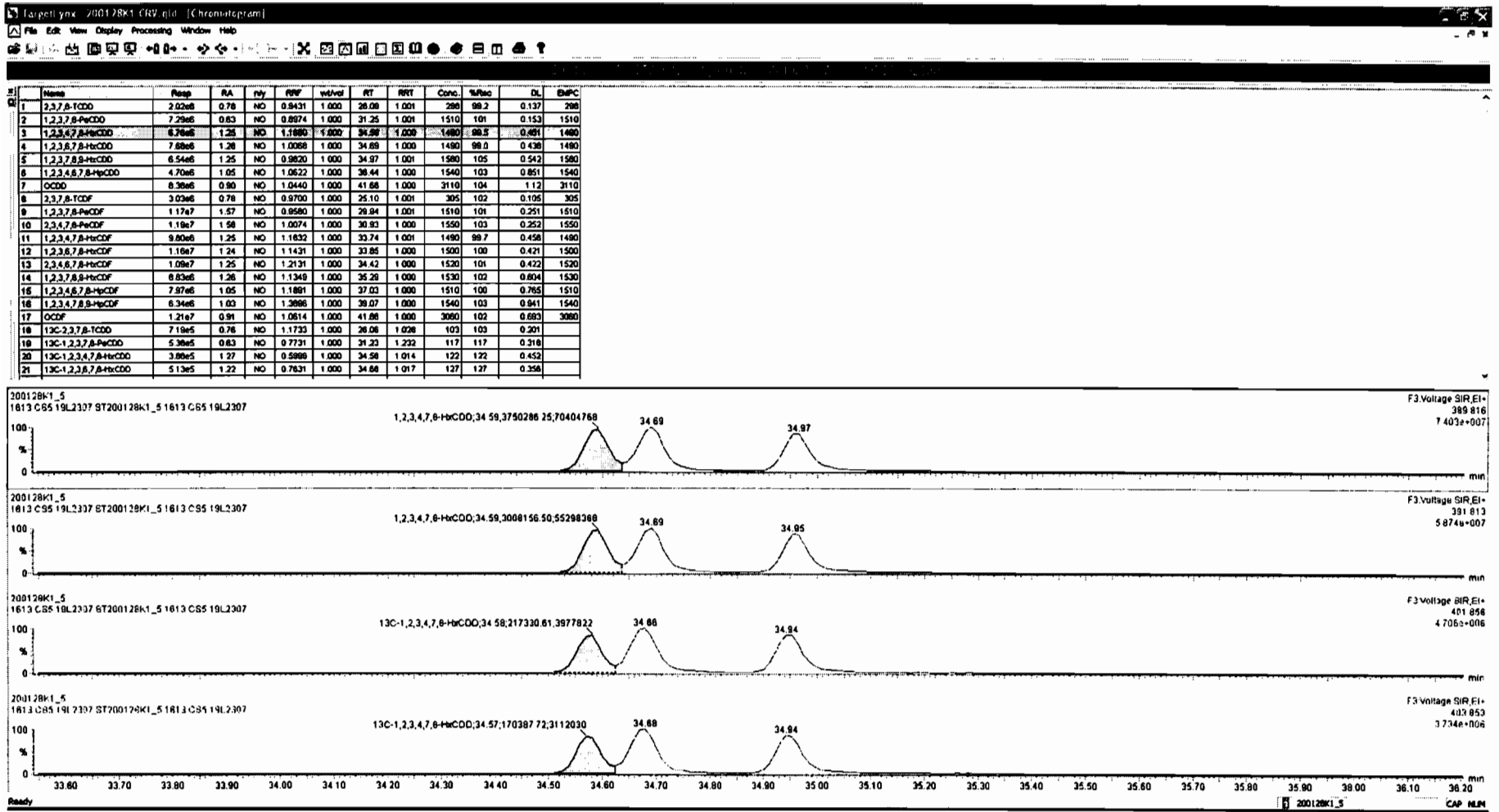
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200128K1_5

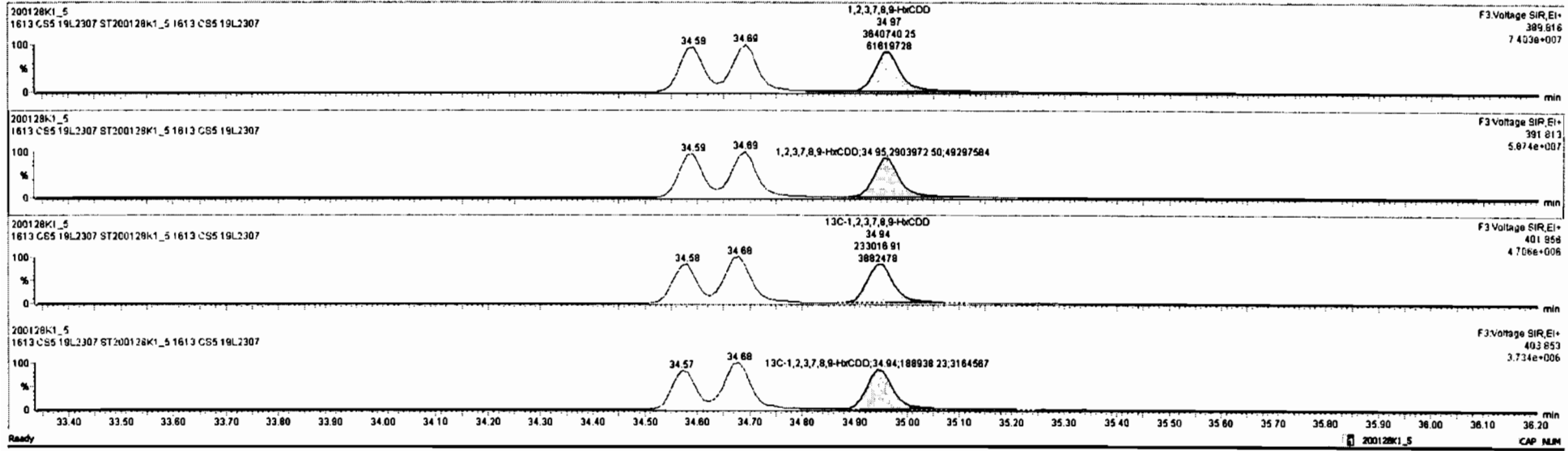


200128K1_5





Name	Resp	RA	n/y	RFV	wAval	RT	PKT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.02e6	0.78	NO	0.9431	1.000	26.09	1.001	298	98.2	0.137	298
2 1,2,3,7,8-PeCDD	7.29e6	0.83	NO	0.8974	1.000	31.25	1.001	1510	101	0.153	1510
3 1,2,3,4,7,8-HxCDD	6.76e6	1.25	NO	1.1680	1.000	34.59	1.000	1490	99.5	0.451	1490
4 1,2,3,6,7,8-HxCDD	7.68e6	1.28	NO	1.0068	1.000	34.69	1.000	1490	99.0	0.438	1490
5 1,2,3,7,8,9-HxCDD	8.54e6	1.25	NO	0.9820	1.000	34.87	1.001	1580	106	0.542	1580
6 1,2,3,4,6,7,8-HpCDD	4.70e6	1.05	NO	1.0622	1.000	38.44	1.000	1540	103	0.851	1540
7 OCDD	8.38e6	0.80	NO	1.0440	1.000	41.88	1.000	3110	104	1.12	3110
8 2,3,7,8-TCDF	3.03e6	0.78	NO	0.9700	1.000	25.10	1.001	305	102	0.106	305
9 1,2,3,7,8-PeCDF	1.17e7	1.57	NO	0.9580	1.000	29.94	1.001	1510	101	0.251	1510
10 2,3,4,7,8-PeCDF	1.19e7	1.58	NO	1.0074	1.000	30.93	1.000	1550	103	0.252	1550
11 1,2,3,4,7,8-HxCDF	9.80e6	1.25	NO	1.1632	1.000	33.74	1.001	1490	99.7	0.458	1490
12 1,2,3,6,7,8-HxCDF	1.18e7	1.24	NO	1.1431	1.000	33.85	1.000	1500	100	0.421	1500
13 2,3,4,6,7,8-HxCDF	1.08e7	1.25	NO	1.2131	1.000	34.42	1.000	1520	101	0.422	1520
14 1,2,3,4,6,7,8-HpCDF	8.83e6	1.26	NO	1.1349	1.000	35.29	1.000	1530	102	0.804	1530
15 1,2,3,4,6,7,8,9-HpCDF	7.97e6	1.05	NO	1.1881	1.000	37.03	1.000	1510	100	0.785	1510
16 1,2,3,4,7,8,9-HpCDF	6.34e6	1.03	NO	1.3888	1.000	38.07	1.000	1540	103	0.941	1540
17 OCDF	1.21e7	0.91	NO	1.0814	1.000	41.88	1.000	3080	102	0.893	3080
18 13C-2,3,7,8-TCDD	7.19e5	0.76	NO	1.1733	1.000	26.08	1.028	103	103	0.201	
19 13C-1,2,3,7,8-PeCDD	5.38e5	0.83	NO	0.7731	1.000	31.23	1.232	117	117	0.318	
20 13C-1,2,3,4,7,8-HxCDD	3.88e5	1.27	NO	0.5989	1.000	34.58	1.014	122	122	0.452	
21 13C-1,2,3,6,7,8-HxCDD	5.13e5	1.22	NO	0.7631	1.000	34.68	1.017	127	127	0.356	



Dataset: Untitled

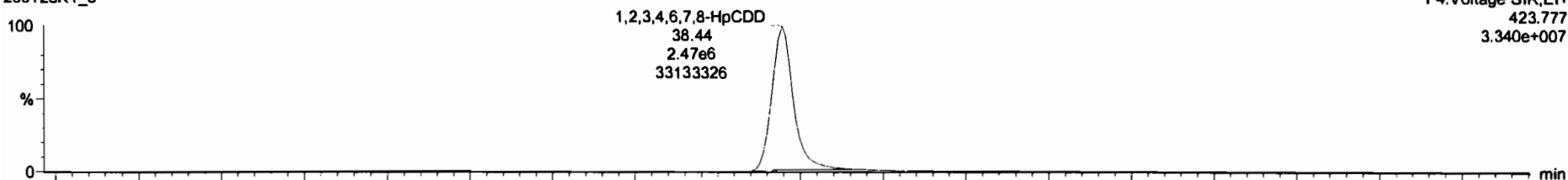
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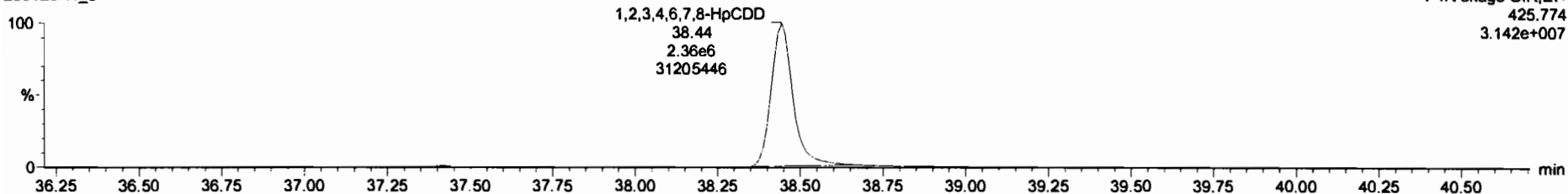
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1,2,3,4,6,7,8-HpCDD

200128K1_5

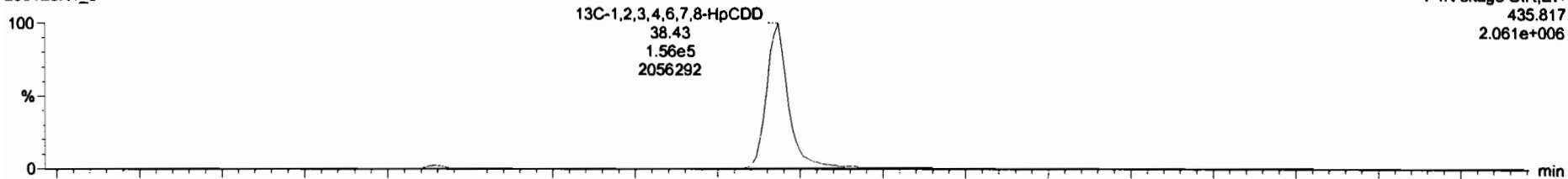


200128K1_5

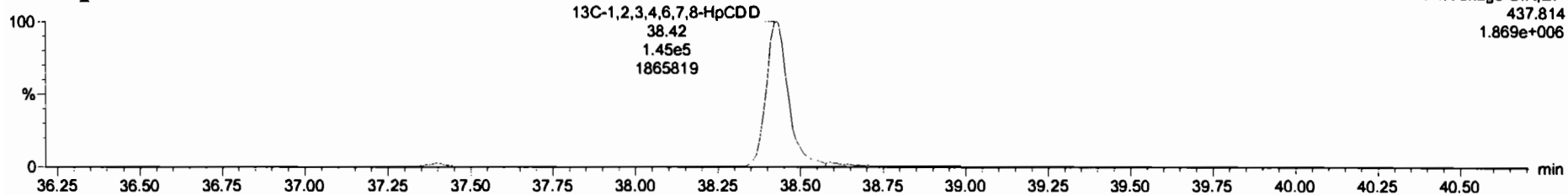


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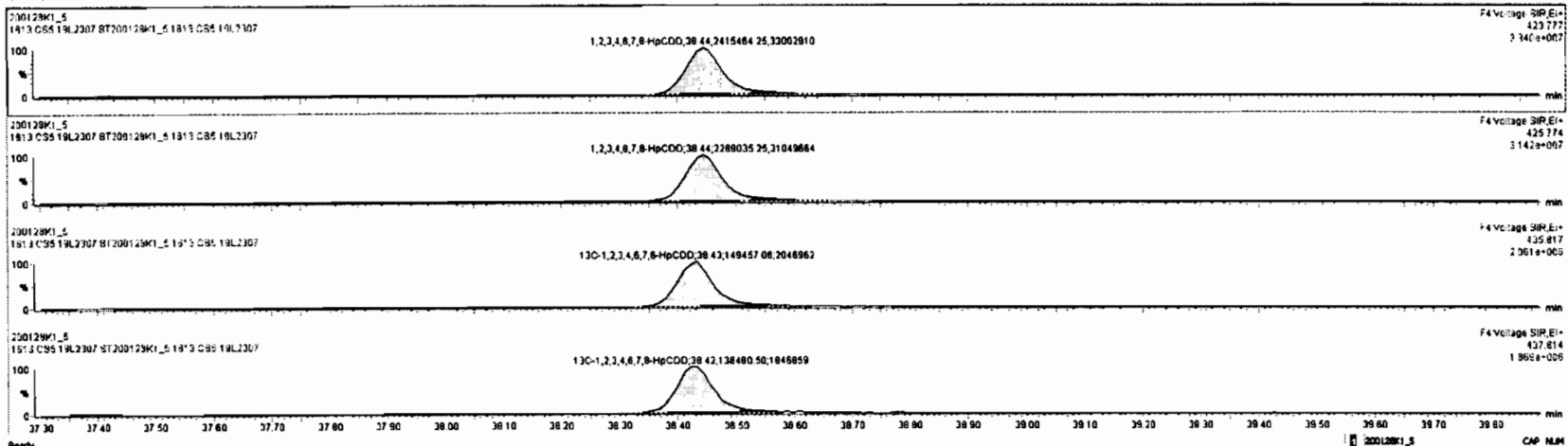
200128K1_5



200128K1_5



#	Name	Resp	RA	Qty	RFV	Wt-Val	RT	RFT	Conc.	%Rec	DL	QSPC
1	1,2,3,7,8-TCDD	2.02e5	0.78	NO	0.8431	1.000	26.08	1.001	288	99.2	0.137	298
2	1,2,3,7,8-PeCDD	7.29e5	0.83	NO	0.8974	1.000	31.25	1.001	1510	101	0.153	1510
3	1,2,3,4,7,8-HxCDD	6.79e5	1.25	NO	1.1680	1.000	34.59	1.000	1480	99.5	0.451	1480
4	1,2,3,6,7,8-HxCDD	7.66e5	1.26	NO	1.0068	1.000	34.68	1.000	1480	98.0	0.438	1480
5	1,2,3,7,8,9-HxCDD	8.54e5	1.25	NO	0.8820	1.000	34.97	1.001	1580	105	0.542	1580
6	1,2,3,6,8,9-HxCDD	4.20e5	1.05	NO	1.0832	1.000	36.44	1.000	1540	100	0.881	1540
7	OCDD	8.36e5	0.90	NO	1.0440	1.000	41.88	1.000	3110	104	1.12	3110
8	1,2,3,7,8-TCDF	3.03e5	0.78	NO	0.9700	1.000	25.10	1.001	305	102	0.105	305
9	1,2,3,7,8-PeCDF	1.17e7	1.57	NO	0.8580	1.000	28.84	1.001	1510	101	0.251	1510
10	1,2,3,4,7,8-PeCDF	1.18e7	1.58	NO	1.0074	1.000	30.92	1.000	1550	103	0.252	1550
11	1,2,3,4,7,8-HxCDF	9.80e5	1.25	NO	1.1430	1.000	33.74	1.001	1480	98.7	0.458	1480
12	1,2,3,6,7,8-HxCDF	1.18e7	1.24	NO	1.1431	1.000	33.85	1.000	1500	100	0.421	1500
13	1,2,3,4,6,7,8-HxCDF	1.09e7	1.25	NO	1.2131	1.000	34.42	1.000	1530	101	0.422	1530
14	1,2,3,7,8,9-HxCDF	8.63e5	1.26	NO	1.1348	1.000	35.26	1.000	1530	102	0.604	1530
15	1,2,3,4,6,7,8,9-HxCDF	7.97e5	1.05	NO	1.1881	1.000	37.03	1.000	1510	100	0.785	1510
16	1,2,3,4,7,8,9-HxCDF	8.34e5	1.03	NO	1.3888	1.000	38.07	1.000	1540	100	0.841	1540
17	OCDF	1.21e7	0.91	NO	1.0814	1.000	41.88	1.000	3080	102	0.883	3080
18	13C-1,2,3,7,8-TCDD	7.18e5	0.76	NO	1.1733	1.000	26.06	1.028	103	103	0.201	
19	13C-1,2,3,7,8-PeCDD	5.38e5	0.83	NO	0.7721	1.000	31.23	1.232	117	117	0.318	
20	13C-1,2,3,4,7,8-HxCDD	3.88e5	1.27	NO	0.5889	1.000	34.58	1.014	122	122	0.452	
21	13C-1,2,3,6,7,8-HxCDD	5.13e5	1.22	NO	0.7831	1.000	34.68	1.017	127	127	0.358	

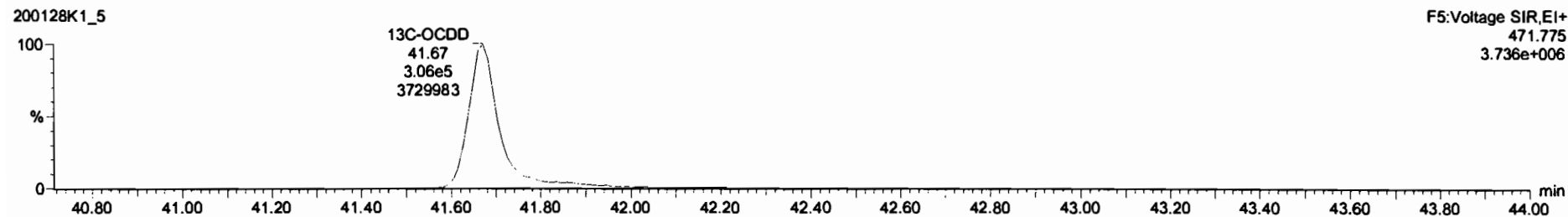
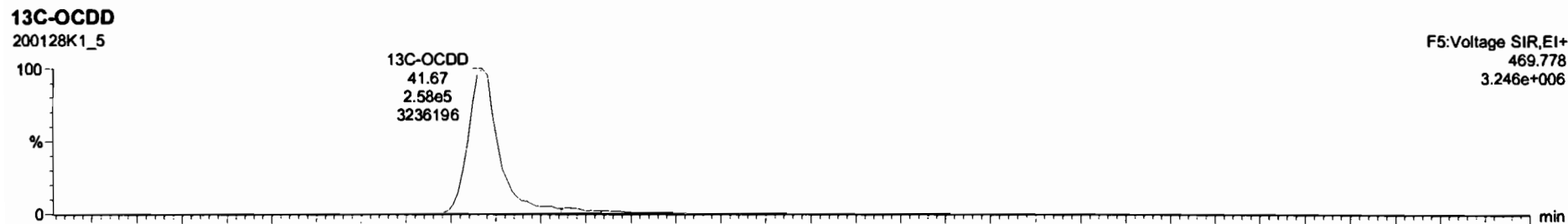
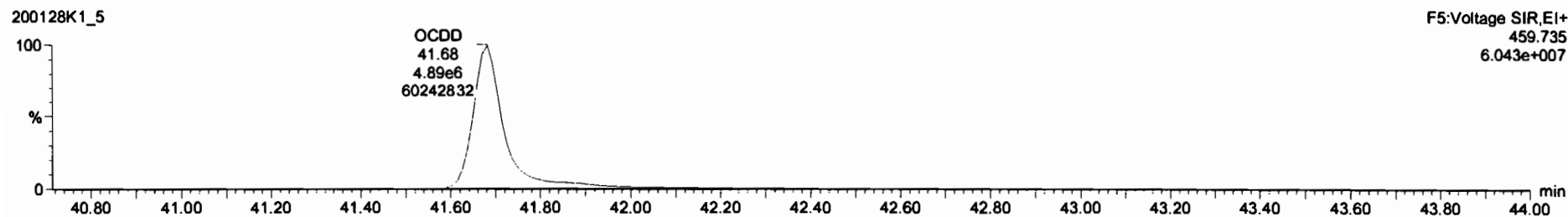
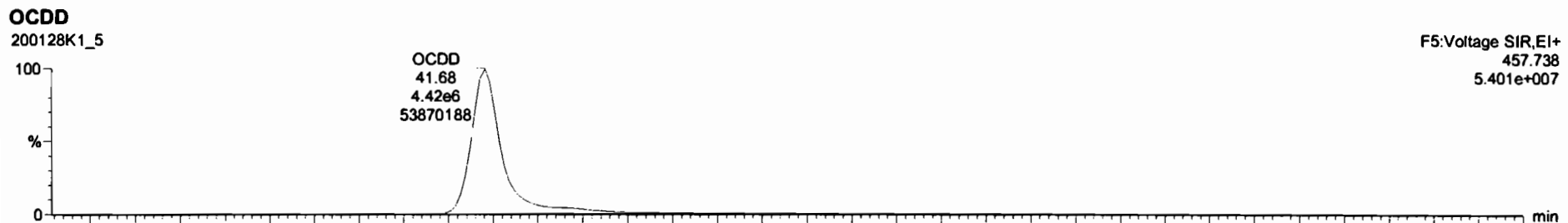


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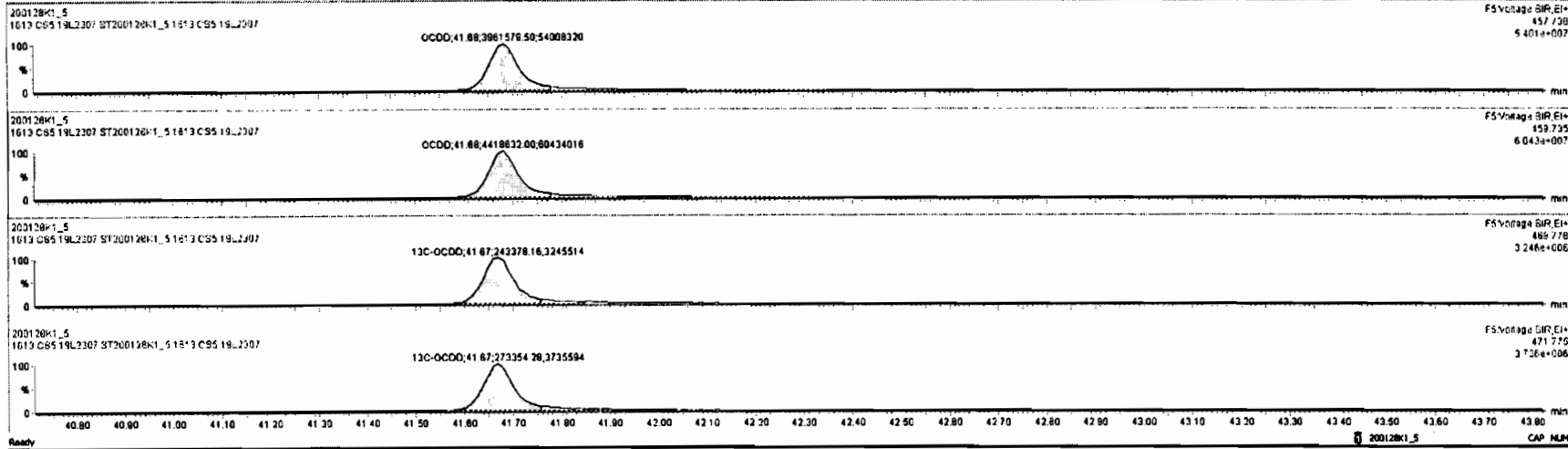
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Name: 200128K1_5, Date: 28-Jan-2020, Time: 15:21:04, ID: ST200128K1_5 1613 CS5 19L2307, Description: 1613 CS5 19L2307



SL	Name	Resp	RA	nty	RWF	valval	RT	RPT	Conc.	UI/Sec	DL	ELPC
1	2,3,7,8-TCDD	2.02e5	0.78	NO	0.9431	1.000	26.08	1.001	296	89.2	0.137	296
2	1,2,3,7,8-PeCDD	7.29e5	0.83	NO	0.8674	1.000	31.25	1.001	1510	101	0.153	1510
3	1,2,3,4,7,8-HxCDD	8.78e5	1.25	NO	1.1660	1.000	34.58	1.000	1480	89.5	0.451	1480
4	1,2,3,6,7,8-HxCDD	7.89e5	1.28	NO	1.0090	1.000	34.88	1.000	1480	89.0	0.438	1480
5	1,2,3,7,8,9-HxCDD	6.54e5	1.25	NO	0.8820	1.000	34.97	1.001	1580	105	0.543	1580
6	1,2,3,4,6,7,8-HpCDD	4.70e5	1.05	NO	1.0822	1.000	38.44	1.000	1540	103	0.851	1540
7	OCDD	8.50e5	0.80	NO	1.2448	1.000	41.88	1.000	3110	104	1.12	3110
8	2,3,7,8-TCDF	3.05e5	0.78	NO	0.9705	1.000	26.10	1.001	305	102	0.105	305
9	1,2,3,7,8-PeCDF	1.17e7	1.57	NO	0.9590	1.000	29.94	1.001	1510	101	0.251	1510
10	1,2,3,4,7,8-HxCDF	1.19e7	1.58	NO	1.0074	1.000	30.93	1.000	1550	103	0.252	1550
11	1,2,3,4,7,8-HxCDF	9.80e6	1.25	NO	1.1822	1.000	33.74	1.001	1480	89.7	0.456	1480
12	1,2,3,6,7,8-HxCDF	1.16e7	1.24	NO	1.1431	1.000	33.85	1.000	1500	100	0.421	1500
13	1,2,3,4,6,7,8-HpCDF	1.09e7	1.25	NO	1.2131	1.000	34.42	1.000	1520	101	0.422	1520
14	1,2,3,7,8,9-HxCDF	8.83e6	1.26	NO	1.1348	1.000	35.28	1.000	1530	102	0.804	1530
15	1,2,3,4,6,7,8-HpCDF	7.97e6	1.05	NO	1.1091	1.000	37.03	1.000	1510	100	0.785	1510
16	1,2,3,4,7,8,9-HpCDF	6.34e6	1.03	NO	1.2898	1.000	39.07	1.000	1540	103	0.841	1540
17	OCDF	1.21e7	0.91	NO	1.0614	1.000	41.88	1.000	3080	102	0.883	3080
18	13C-2,3,7,8-TCDD	7.19e5	0.78	NO	1.1733	1.000	26.08	1.028	103	103	0.201	
19	13C-1,2,3,7,8-PeCDD	5.38e5	0.83	NO	0.7731	1.000	31.23	1.232	117	117	0.318	
20	13C-1,2,3,4,7,8-HxCDD	3.88e5	1.27	NO	0.5888	1.000	34.58	1.014	122	122	0.452	
21	13C-1,2,3,6,7,8-HxCDD	5.13e5	1.22	NO	0.7831	1.000	34.88	1.017	127	127	0.358	



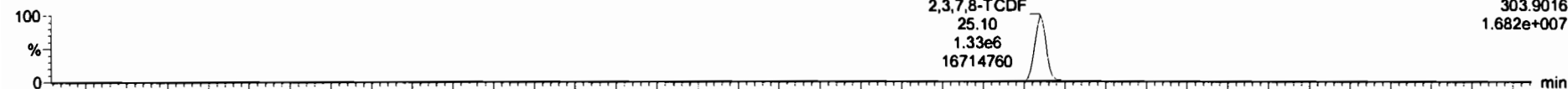
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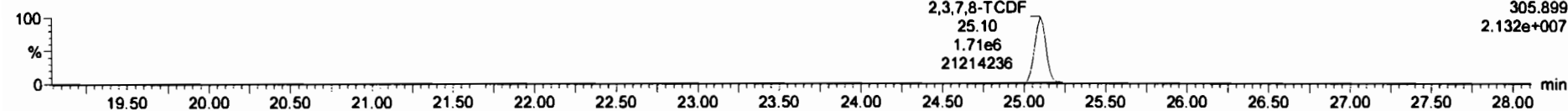
Name: 200128K1_5, Date: 28-Jan-2020, Time: 15:21:04, ID: ST200128K1_5 1613 CS5 19L2307, Description: 1613 CS5 19L2307

2,3,7,8-TCDF

200128K1_5

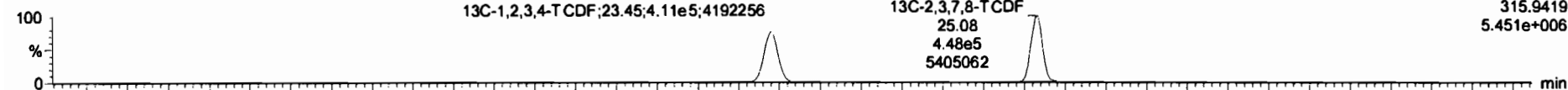


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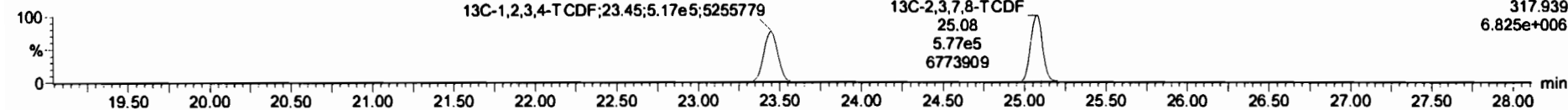


13C-2,3,7,8-TCDF

200128K1_5

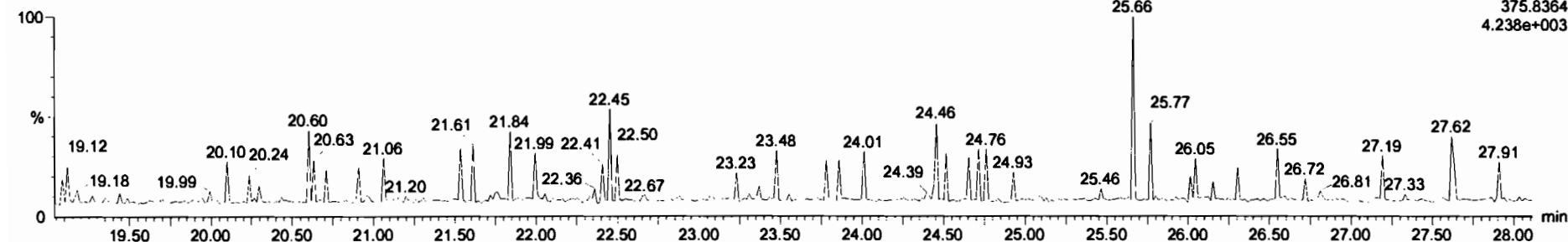


200128K1_5



DPE1

200128K1_5



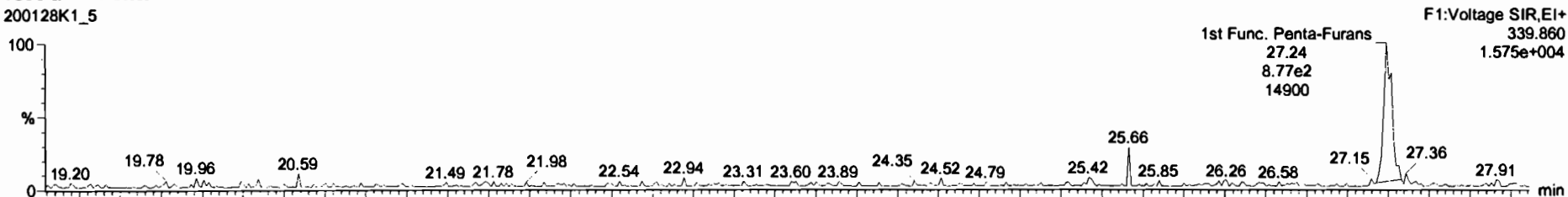
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Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

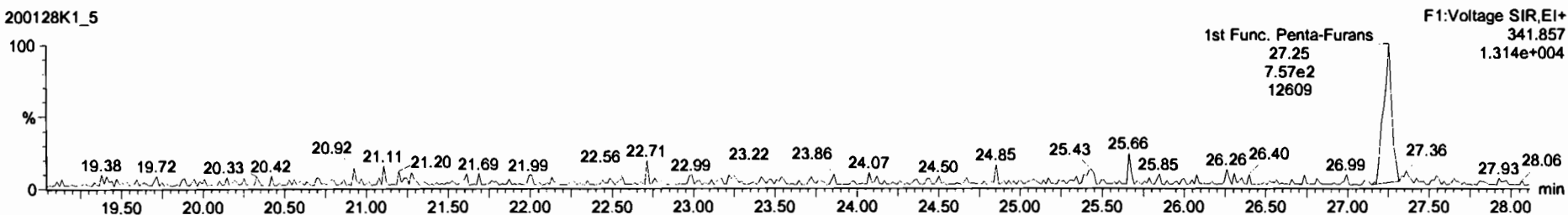
Name: 200128K1_5, Date: 28-Jan-2020, Time: 15:21:04, ID: ST200128K1_5 1613 CS5 19L2307, Description: 1613 CS5 19L2307

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200128K1_5

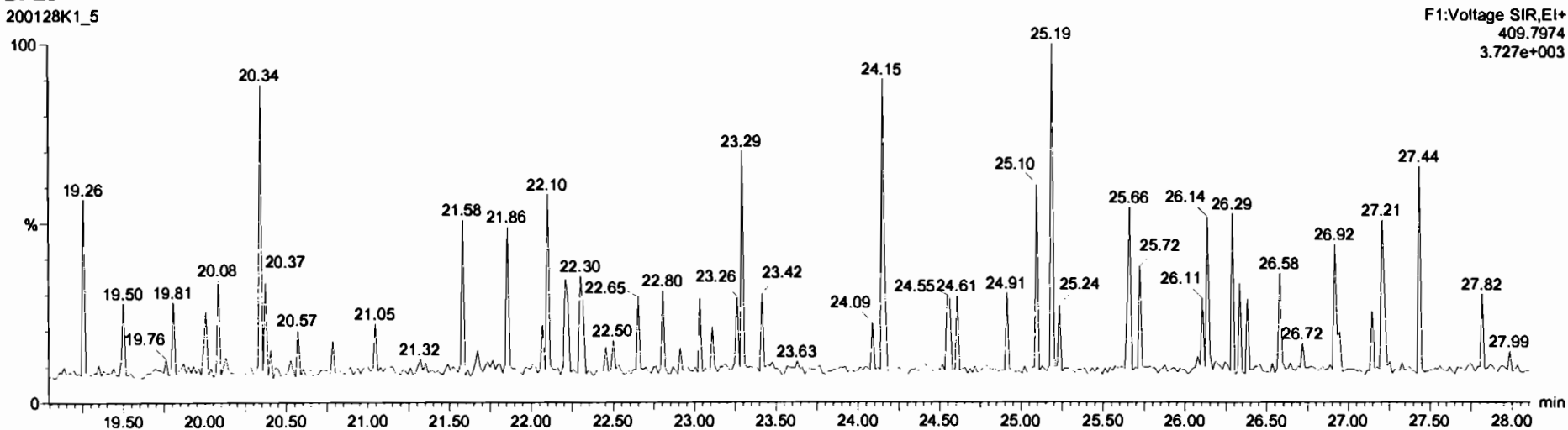


200128K1_5



DPE6

200128K1_5



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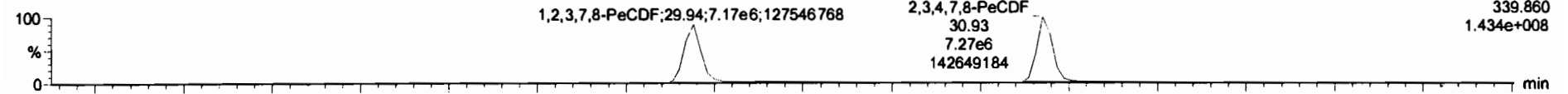
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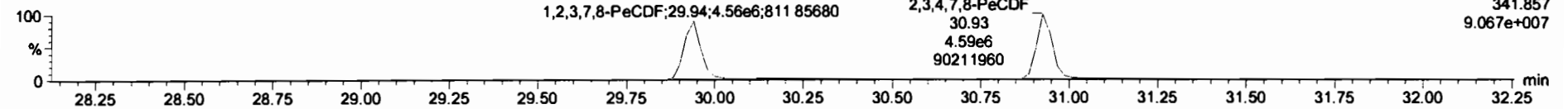
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1,2,3,7,8-PeCDF

200128K1_5

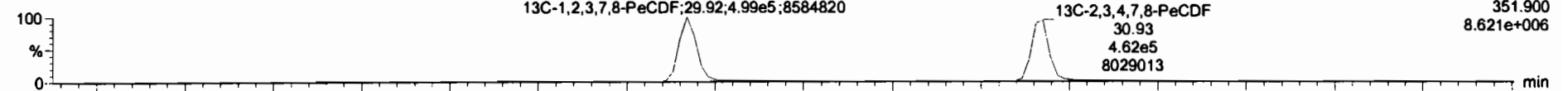


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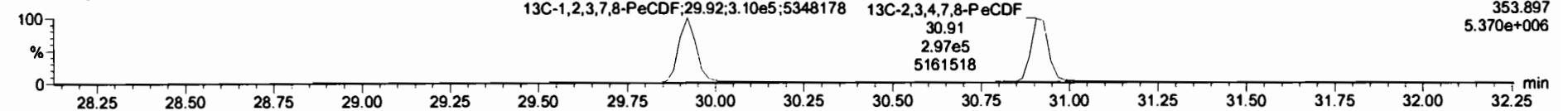


13C-1,2,3,7,8-PeCDF

200128K1_5

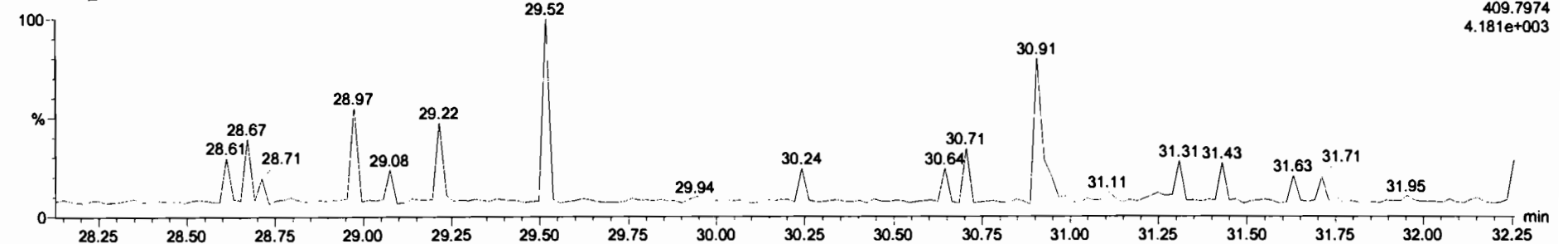


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DPE2

200128K1_5



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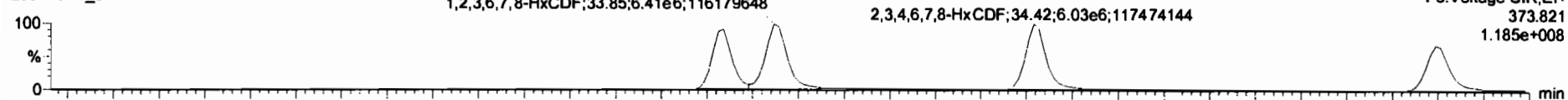
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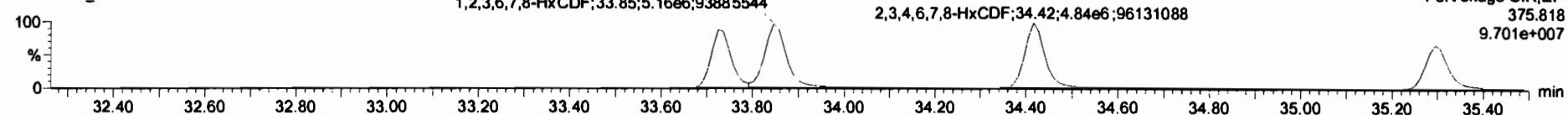
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1,2,3,4,7,8-HxCDF

200128K1_5

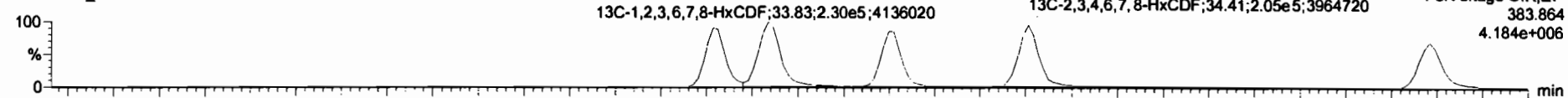


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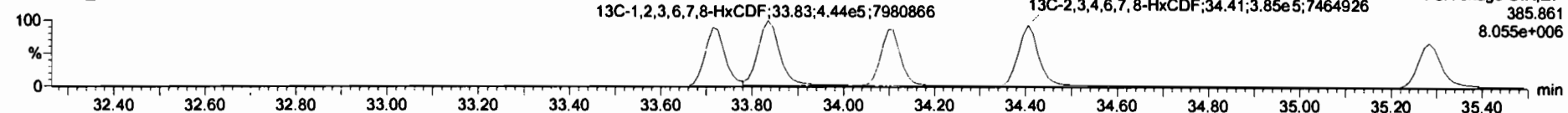


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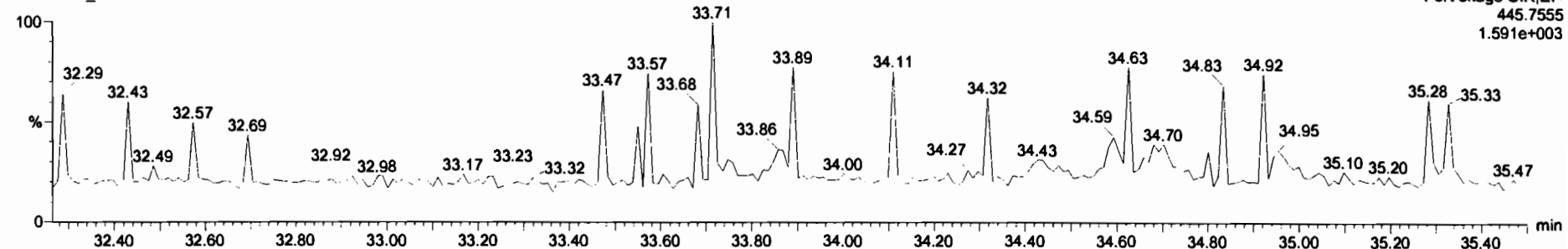


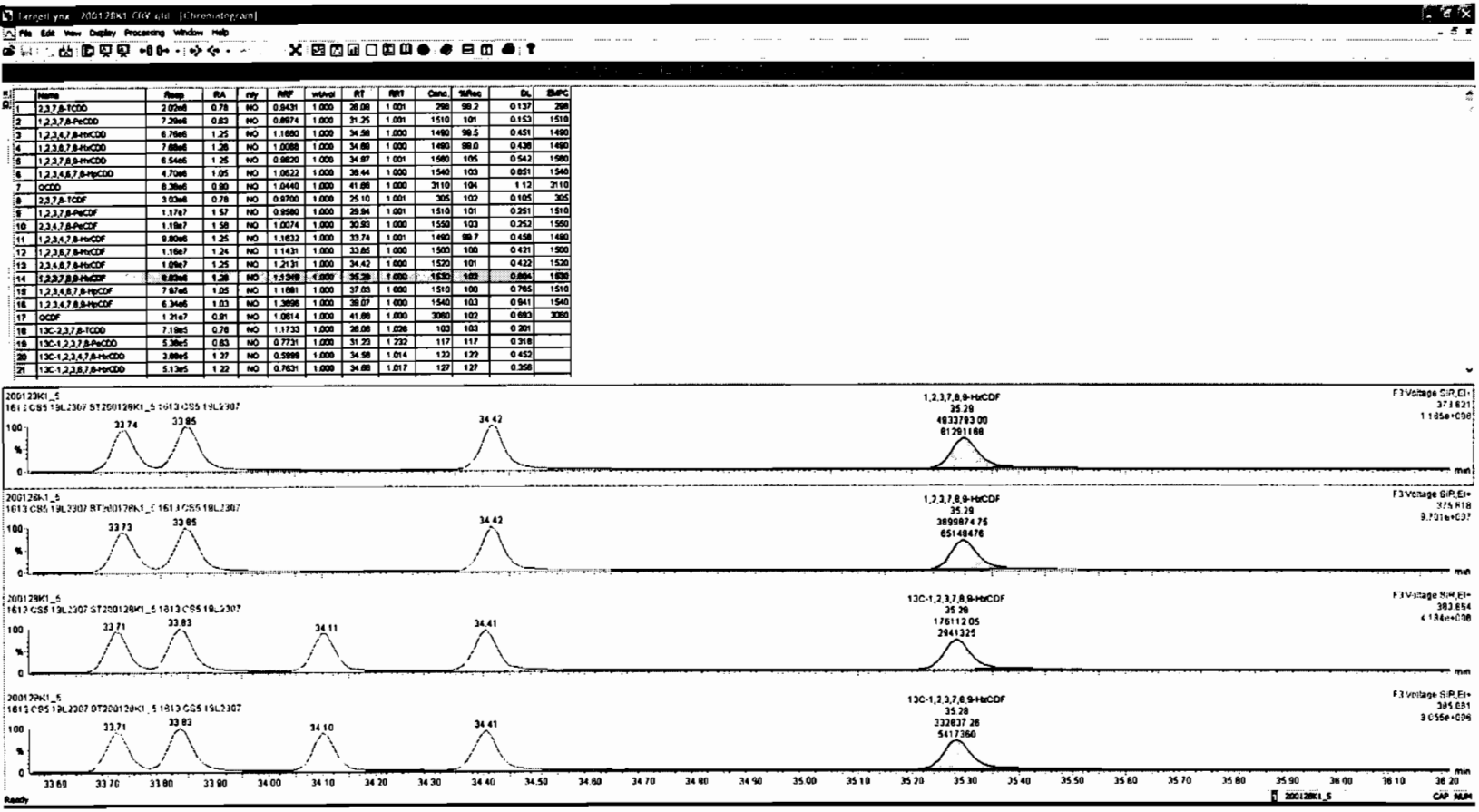
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DPE3

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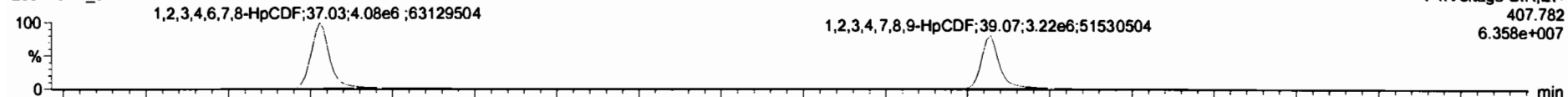
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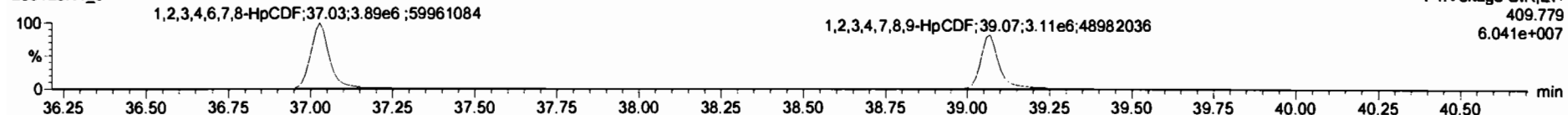
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1,2,3,4,6,7,8-HpCDF

200128K1_5

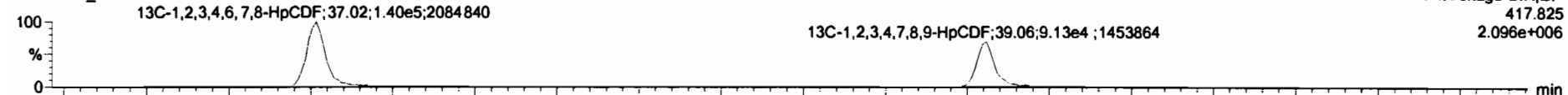


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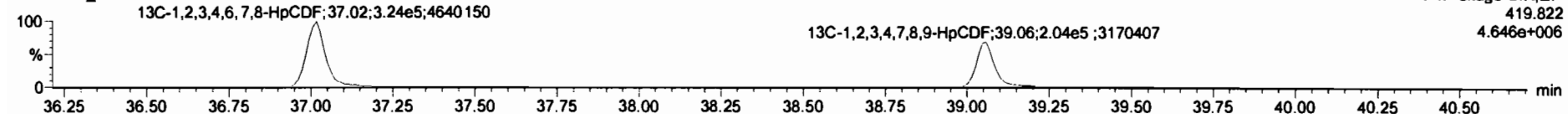


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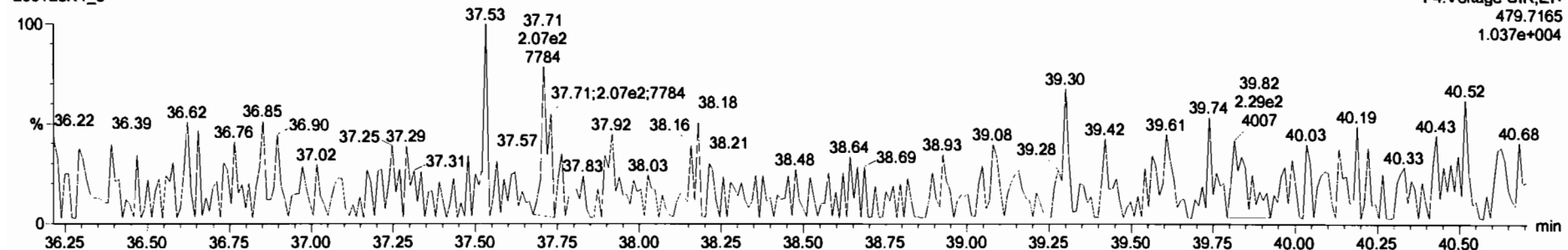


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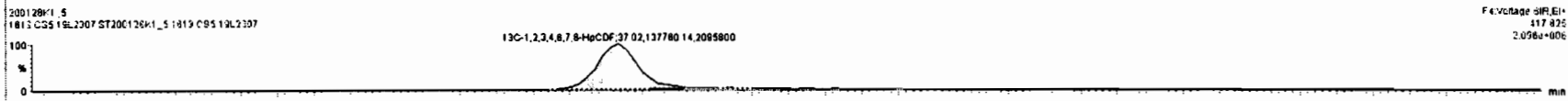
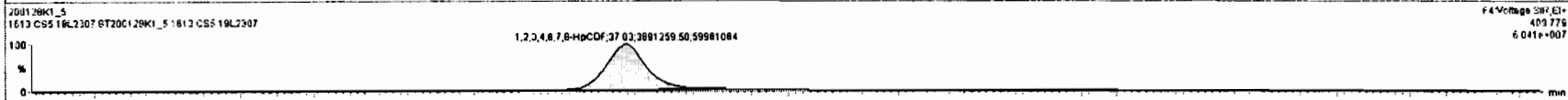
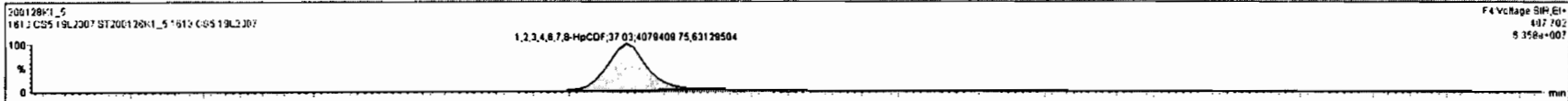


DPE4

200128K1_5



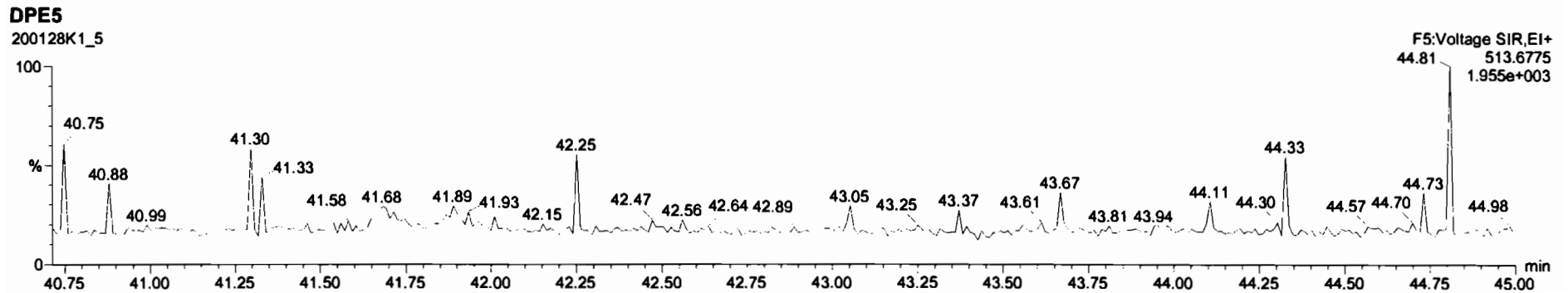
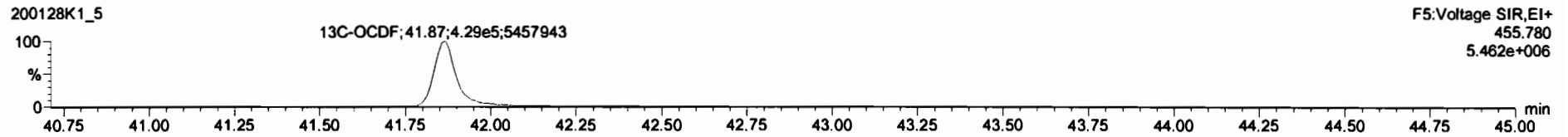
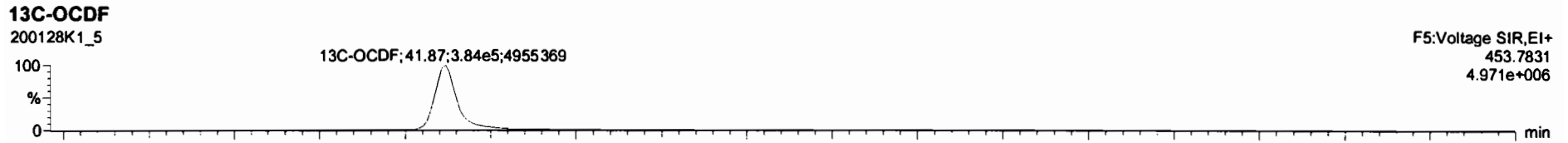
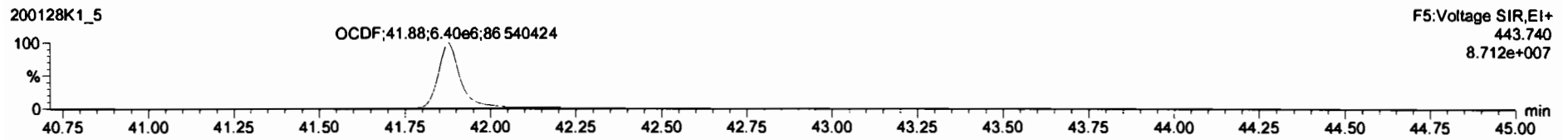
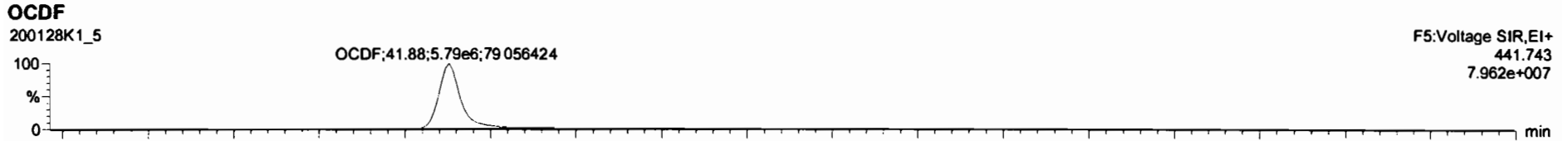
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2	1,2,3,7,8-PeCDD	7.29e6	0.63	NO	0.8974	1.000	31.25	1.001	1510	101	0.153	1510
3	1,2,3,4,7,8-HxCDD	6.76e6	1.25	NO	1.1680	1.000	34.99	1.000	1480	99.5	0.451	1480
4	1,2,3,6,7,8-HxCDD	7.69e6	1.28	NO	1.0088	1.000	34.89	1.000	1480	99.0	0.438	1480
5	1,2,3,7,8,9-HxCDD	6.54e6	1.25	NO	0.9820	1.000	34.97	1.001	1580	105	0.542	1580
6	1,2,3,4,6,7,8-HpCDD	4.70e6	1.05	NO	1.0822	1.000	38.44	1.000	1540	103	0.651	1540
7	OCDD	8.38e6	0.90	NO	1.0440	1.000	41.88	1.000	3110	104	1.12	3110
8	1,2,3,7,8-TCDF	3.03e6	0.78	NO	0.9700	1.000	25.10	1.001	305	102	0.105	305
9	1,2,3,7,8-PeCDF	1.17e7	1.57	NO	0.8580	1.000	28.94	1.001	1510	101	0.251	1510
10	1,2,3,4,7,8-PeCDF	1.19e7	1.58	NO	1.0274	1.000	30.83	1.000	1550	103	0.252	1550
11	1,2,3,4,7,8-HxCDF	6.80e6	1.25	NO	1.1532	1.000	33.74	1.001	1480	99.7	0.458	1480
12	1,2,3,6,7,8-HxCDF	1.18e7	1.24	NO	1.1431	1.000	33.85	1.000	1500	100	0.421	1500
13	1,2,3,4,6,7,8-HpCDF	1.08e7	1.25	NO	1.2121	1.000	34.42	1.000	1520	101	0.422	1520
14	1,2,3,7,8,9-HxCDF	8.83e6	1.26	NO	1.1349	1.000	35.29	1.000	1530	102	0.604	1530
15	1,2,3,6,8,9-HpCDF	7.97e6	1.05	NO	1.2881	1.000	37.02	1.000	1490	102	0.786	1510
16	1,2,3,4,7,8,9-HpCDF	6.34e6	1.03	NO	1.2895	1.000	38.07	1.000	1540	103	0.941	1540
17	OCDF	1.21e7	0.91	NO	1.0814	1.000	41.89	1.000	3080	102	0.883	3080
18	13C-1,2,3,7,8-TCDD	7.19e6	0.78	NO	1.1723	1.000	28.08	1.028	103	103	0.201	
19	13C-1,2,3,7,8-PeCDD	5.38e6	0.63	NO	0.7731	1.000	31.23	1.232	117	117	0.218	
20	13C-1,2,3,4,7,8-HxCDD	3.88e6	1.27	NO	0.5989	1.000	34.58	1.014	122	122	0.452	
21	13C-1,2,3,6,7,8-HxCDD	5.13e6	1.22	NO	0.7631	1.000	34.68	1.017	127	127	0.356	

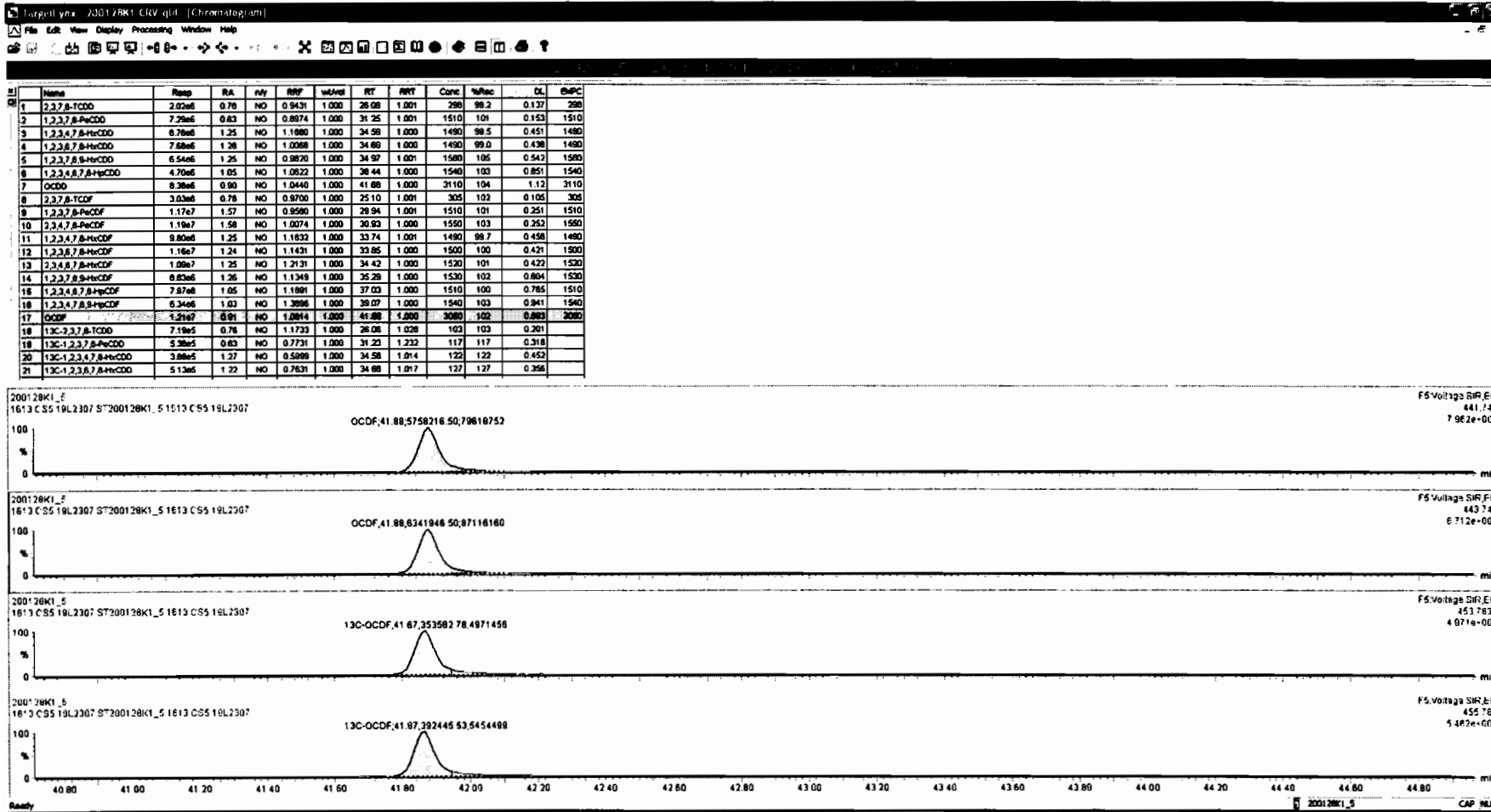


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Name: 200128K1_5, Date: 28-Jan-2020, Time: 15:21:04, ID: ST200128K1_5 1613 CS5 19L2307, Description: 1613 CS5 19L2307



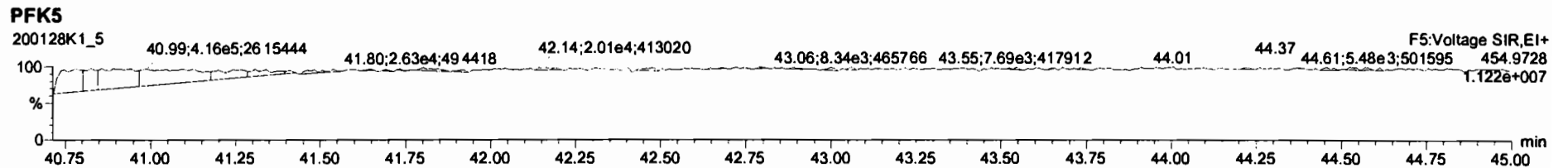
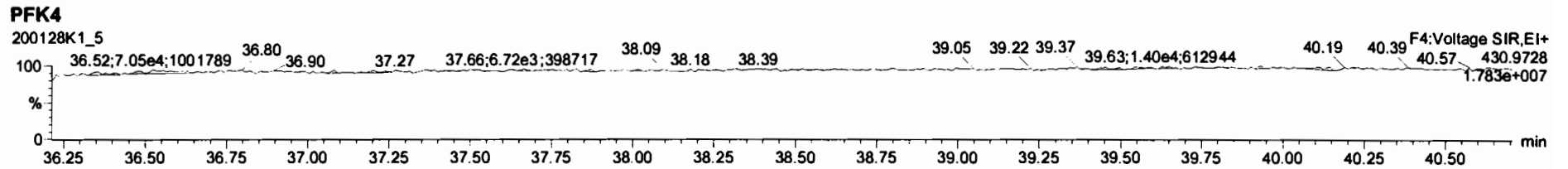
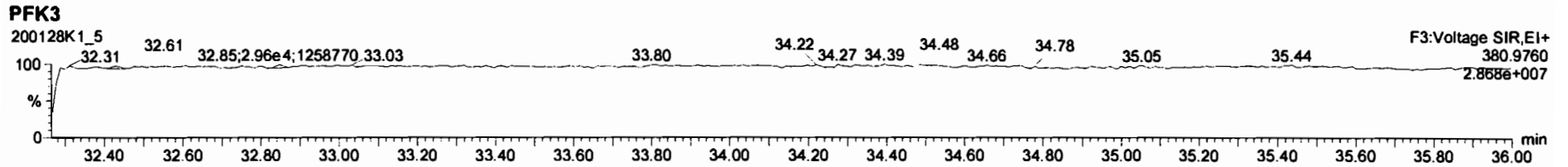
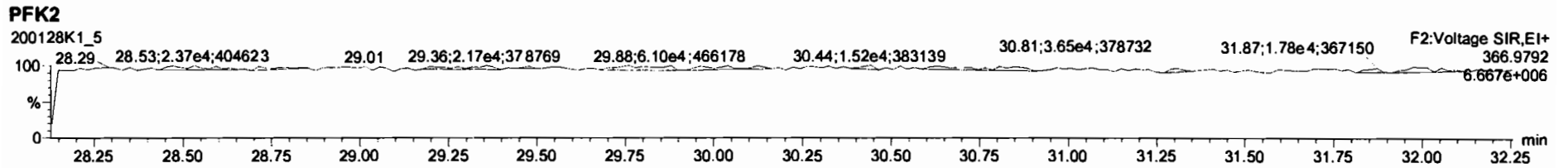
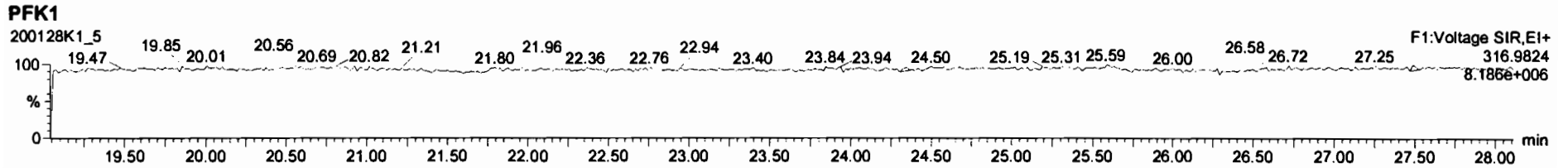


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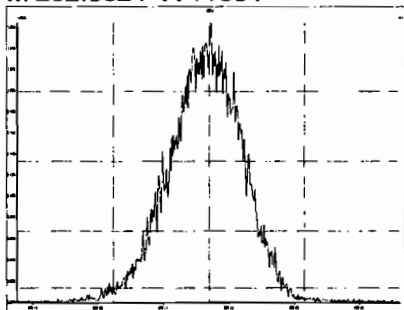
Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

Name: 200128K1_5, Date: 28-Jan-2020, Time: 15:21:04, ID: ST200128K1_5 1613 CS5 19L2307, Description: 1613 CS5 19L2307

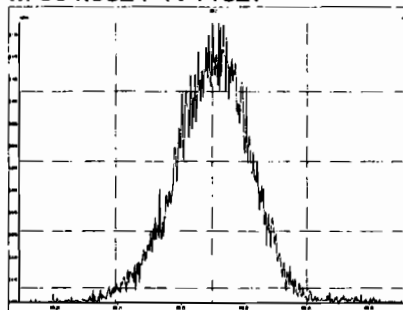


Printed: Wednesday, January 29, 2020 04:23:28 Pacific Standard Time

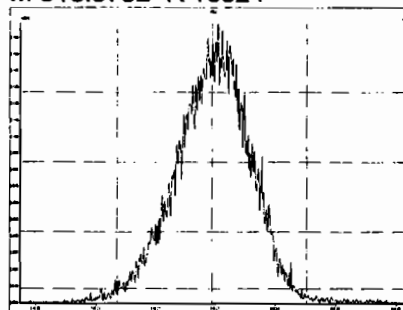
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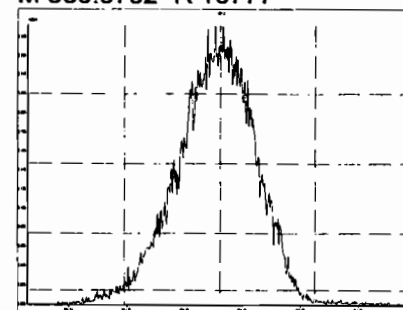
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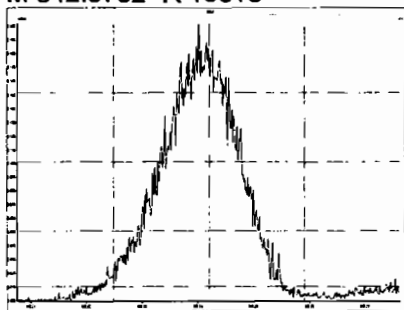
M 318.9792 R 10924



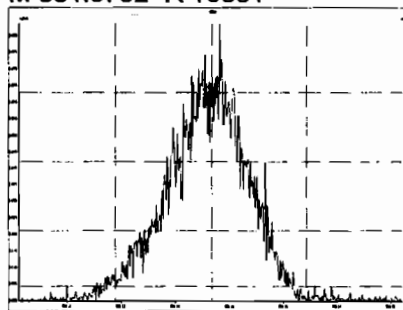
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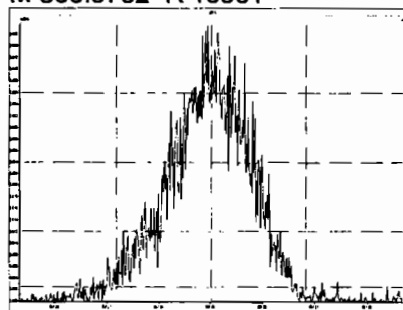
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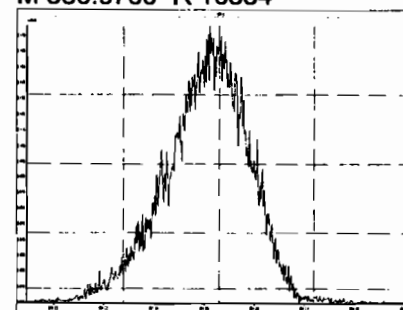
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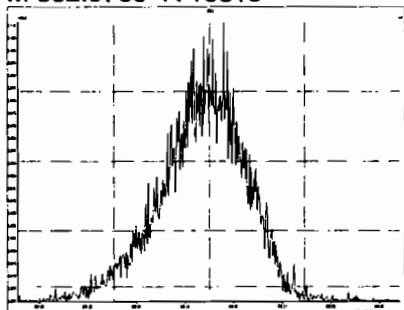
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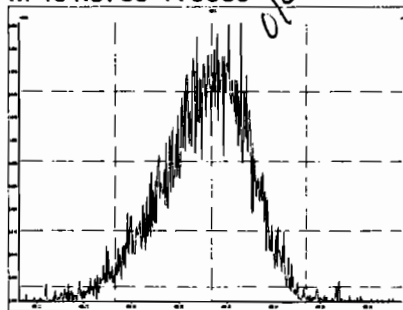
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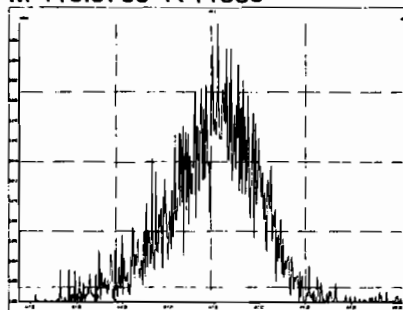
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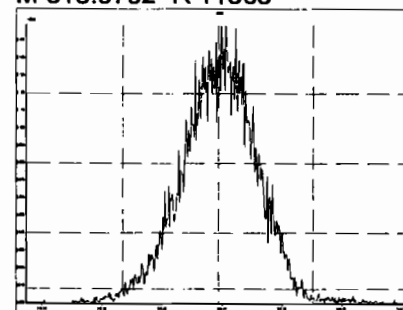
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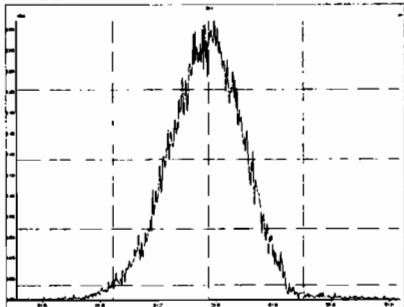


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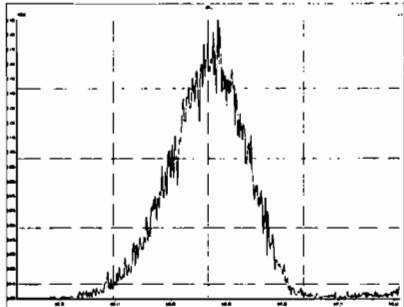


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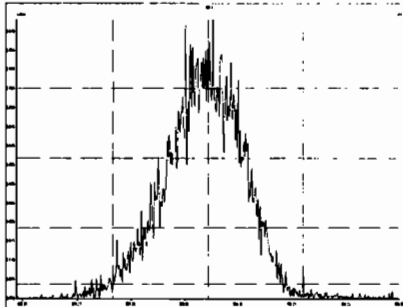
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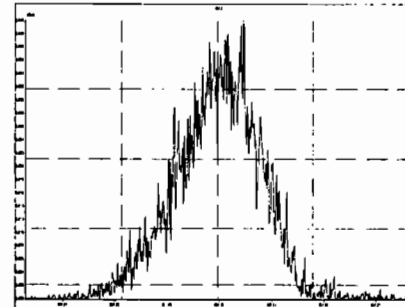
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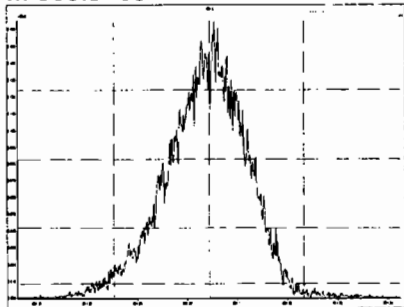
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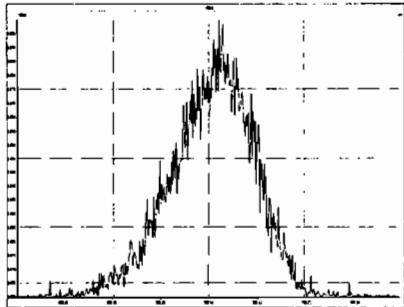
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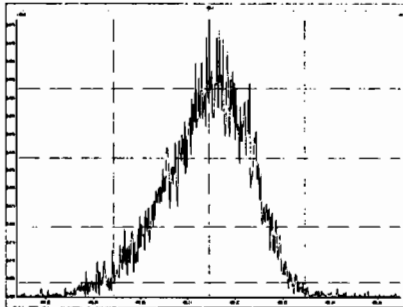
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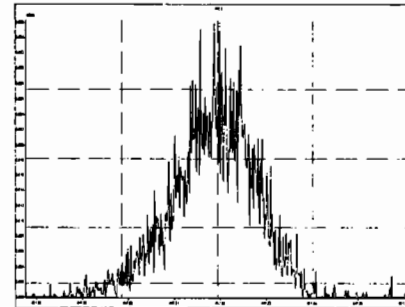
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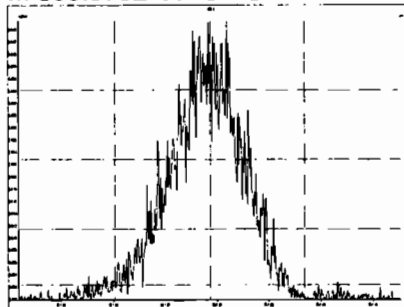
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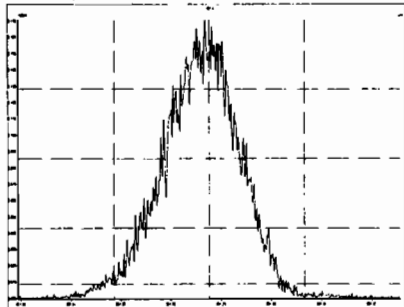
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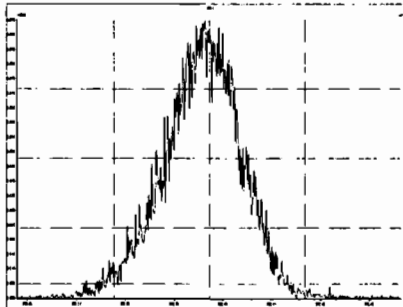
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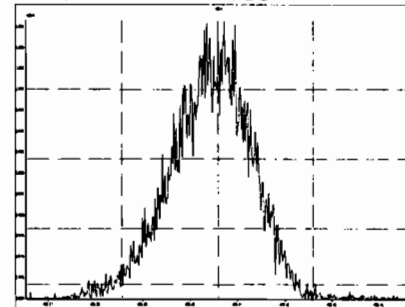
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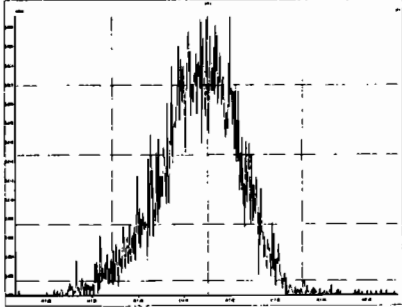
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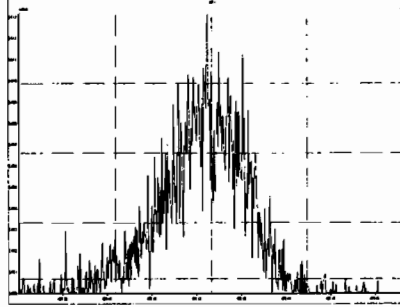
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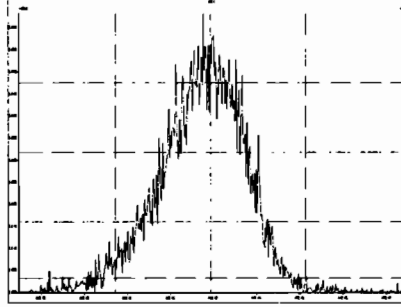
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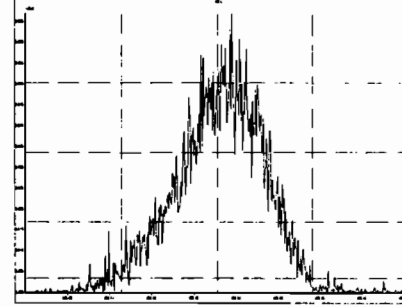
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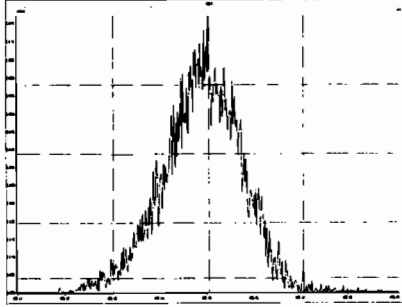
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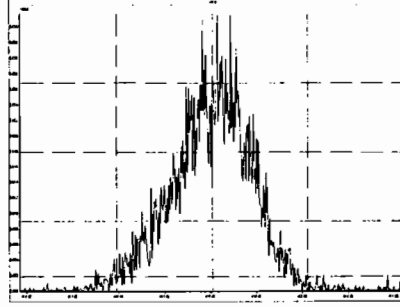
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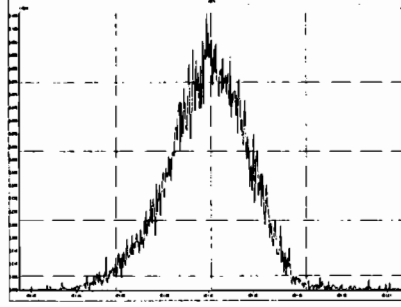
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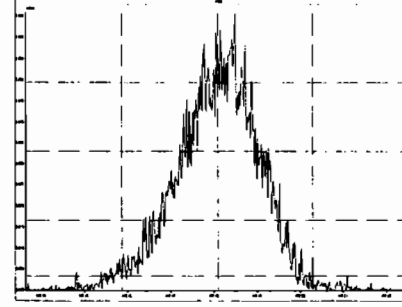
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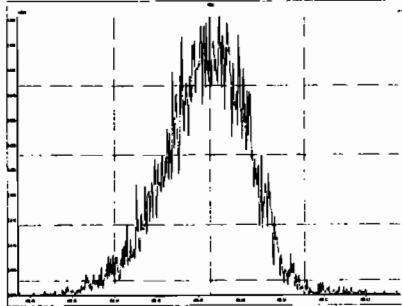
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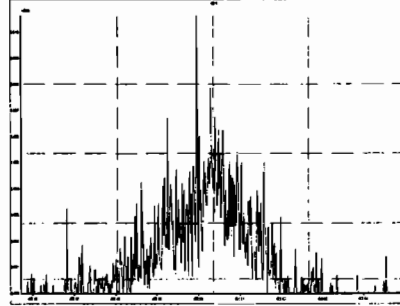
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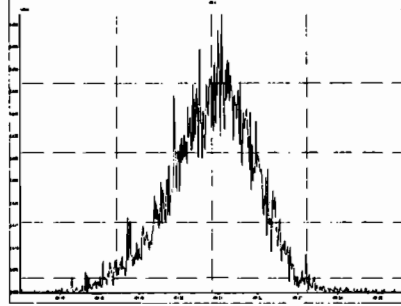
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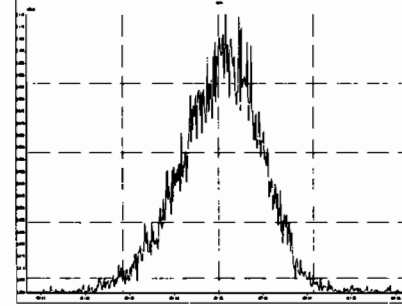
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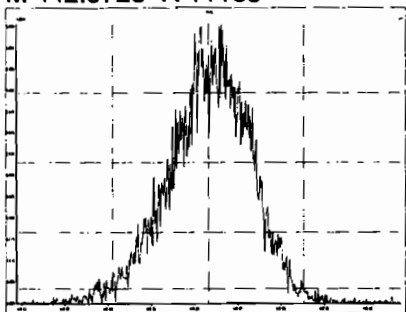


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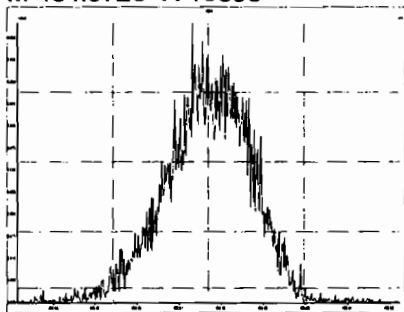


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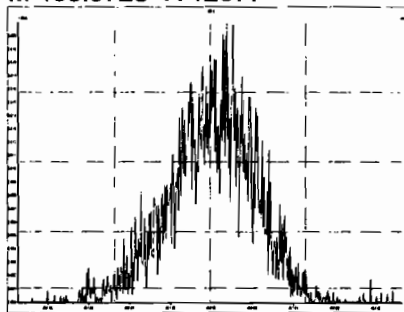
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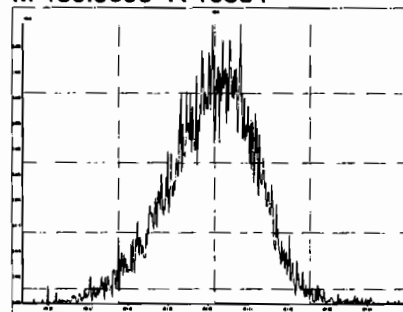
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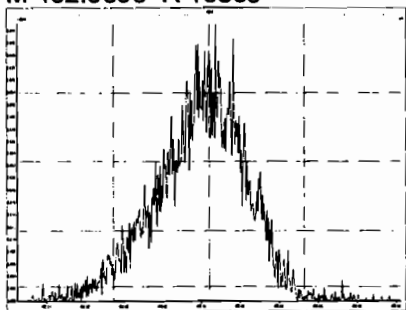
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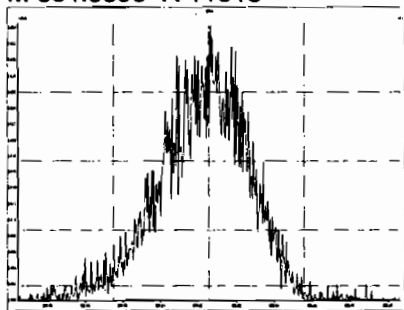
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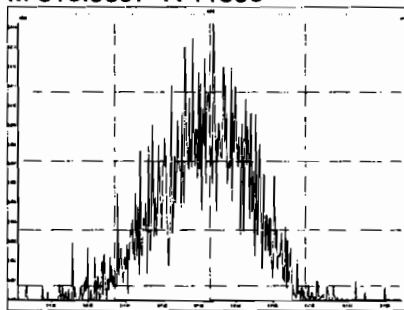
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Dataset: U:\VG11.PRO\Results\200128K1\200128K1-7.qld

Last Altered: Wednesday, January 29, 2020 07:25:46 Pacific Standard Time

Printed: Wednesday, January 29, 2020 09:45:05 Pacific Standard Time

Hz 1.29.2020 07:01/24/2020

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Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-1-28-20.cdb 29 Jan 2020 07:17:59

Name: 200128K1_7, Date: 28-Jan-2020, Time: 16:57:48, ID: SS200128K1_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

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1	1 2,3,7,8-TCDD	5.24e4	0.78	NO	0.943	1.000	26.092	26.08	1.001	1.001	10.582	106	0.0876	10.6
2	2 1,2,3,7,8-PeCDD	1.68e5	0.63	NO	0.897	1.000	31.250	31.23	1.001	1.000	53.194	106	0.110	53.2
3	3 1,2,3,4,7,8-HxCDD	1.42e5	1.27	NO	1.17	1.000	34.581	34.58	1.000	1.000	54.131	108	0.213	54.1
4	4 1,2,3,6,7,8-HxCDD	1.67e5	1.27	NO	1.01	1.000	34.669	34.68	1.000	1.000	57.588	115	0.212	57.6
5	5 1,2,3,7,8,9-HxCDD	1.35e5	1.23	NO	0.982	1.000	34.967	34.94	1.001	1.000	54.953	110	0.236	55.0
6	6 1,2,3,4,6,7,8-HpCDD	1.03e5	1.06	NO	1.06	1.000	38.433	38.44	1.000	1.001	54.481	109	0.317	54.5
7	7 OCDD	1.57e5	0.88	NO	1.04	1.000	41.648	41.67	1.000	1.000	106.09	106	0.440	106
8	8 2,3,7,8-TCDF	8.11e4	0.80	NO	0.970	1.000	25.092	25.08	1.001	1.001	10.758	108	0.0507	10.8
9	9 1,2,3,7,8-PeCDF	2.91e5	1.59	NO	0.958	1.000	29.941	29.92	1.001	1.000	54.956	110	0.106	55.0
10	10 2,3,4,7,8-PeCDF	3.14e5	1.54	NO	1.01	1.000	30.937	30.93	1.001	1.001	60.588	121	0.0937	60.6
11	11 1,2,3,4,7,8-HxCDF	2.44e5	1.25	NO	1.16	1.000	33.703	33.72	1.000	1.001	56.695	113	0.209	56.7
12	12 1,2,3,6,7,8-HxCDF	2.58e5	1.32	NO	1.14	1.000	33.834	33.85	1.000	1.001	56.065	112	0.200	56.1
13	13 2,3,4,6,7,8-HxCDF	2.38e5	1.25	NO	1.21	1.000	34.429	34.40	1.001	1.000	52.336	105	0.210	52.3
14	14 1,2,3,7,8,9-HxCDF	1.92e5	1.27	NO	1.13	1.000	35.272	35.28	1.000	1.000	55.688	111	0.293	55.7
15	15 1,2,3,4,6,7,8-HpCDF	1.90e5	1.01	NO	1.19	1.000	37.043	37.02	1.001	1.000	55.688	111	0.296	55.7
16	16 1,2,3,4,7,8,9-HpCDF	1.37e5	1.04	NO	1.39	1.000	39.047	39.06	1.000	1.000	56.173	112	0.360	56.2
17	17 OCDF	2.09e5	0.90	NO	1.06	1.000	41.846	41.86	1.000	1.000	104.84	105	0.320	105
18	18 13C-2,3,7,8-TCDD	5.25e5	0.75	NO	1.17	1.000	26.052	26.06	1.027	1.028	90.192	90.2	0.197	90.2
19	19 13C-1,2,3,7,8-PeCDD	3.52e5	0.64	NO	0.773	1.000	31.228	31.23	1.232	1.232	91.800	91.8	0.262	91.8
20	20 13C-1,2,3,4,7,8-HxCDD	2.24e5	1.29	NO	0.600	1.000	34.558	34.57	1.014	1.014	86.927	86.9	0.404	86.9
21	21 13C-1,2,3,6,7,8-HxCDD	2.87e5	1.21	NO	0.763	1.000	34.657	34.67	1.017	1.017	87.528	87.5	0.318	87.5
22	22 13C-1,2,3,7,8,9-HxCDD	2.51e5	1.18	NO	0.676	1.000	34.929	34.93	1.025	1.025	86.251	86.3	0.359	86.3
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.79e5	1.08	NO	0.455	1.000	38.420	38.42	1.127	1.127	91.291	91.3	0.501	91.3
24	24 13C-OCDD	2.84e5	0.91	NO	0.371	1.000	41.644	41.65	1.222	1.222	177.66	88.8	0.728	177.66
25	25 13C-2,3,7,8-TCDF	7.77e5	0.79	NO	1.07	1.000	25.068	25.07	0.989	0.988	89.410	89.4	0.322	89.4
26	26 13C-1,2,3,7,8-PeCDF	5.53e5	1.60	NO	0.765	1.000	29.917	29.92	1.180	1.180	89.012	89.0	0.586	89.0
27	27 13C-2,3,4,7,8-PeCDF	5.15e5	1.59	NO	0.726	1.000	30.926	30.91	1.220	1.219	87.233	87.2	0.618	87.2
28	28 13C-1,2,3,4,7,8-HxCDF	3.70e5	0.53	NO	0.965	1.000	33.699	33.70	0.989	0.989	89.149	89.1	0.418	89.1
29	29 13C-1,2,3,6,7,8-HxCDF	4.03e5	0.52	NO	1.09	1.000	33.815	33.82	0.992	0.992	85.632	85.6	0.369	85.6
30	30 13C-2,3,4,6,7,8-HxCDF	3.75e5	0.55	NO	0.984	1.000	34.387	34.40	1.009	1.009	88.625	88.6	0.410	88.6
31	31 13C-1,2,3,7,8,9-HxCDF	3.03e5	0.52	NO	0.790	1.000	35.287	35.27	1.035	1.035	89.248	89.2	0.510	89.2

Dataset: U:\VG11.PRO\Results\200128K1\200128K1-7.qld

Last Altered: Wednesday, January 29, 2020 07:25:46 Pacific Standard Time

Printed: Wednesday, January 29, 2020 09:45:05 Pacific Standard Time

Name: 200128K1_7, Date: 28-Jan-2020, Time: 16:57:48, ID: SS200128K1_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	2.87e5	0.45	NO	0.734	1.000	36.998	37.01	1.085	1.086	90.946	90.9	0.498	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.75e5	0.46	NO	0.459	1.000	39.020	39.05	1.145	1.145	88.652	88.7	0.796	
34	34 13C-OCDF	3.75e5	0.90	NO	0.500	1.000	41.880	41.85	1.229	1.228	174.25	87.1	0.521	
35	35 37Cl-2,3,7,8-TCDD	5.48e4			1.12	1.000	26.072	26.08	1.028	1.028	9.8218	98.2	0.0383	
36	36 13C-1,2,3,4-TCDD	4.96e5	0.77	NO	1.00	1.000	25.360	25.36	1.000	1.000	100.00	100	0.231	
37	37 13C-1,2,3,4-TCDF	8.13e5	0.79	NO	1.00	1.000	23.430	23.43	1.000	1.000	100.00	100	0.344	
38	38 13C-1,2,3,4,6,9-HxCDF	4.30e5	0.52	NO	1.00	1.000	34.100	34.09	1.000	1.000	100.00	100	0.403	

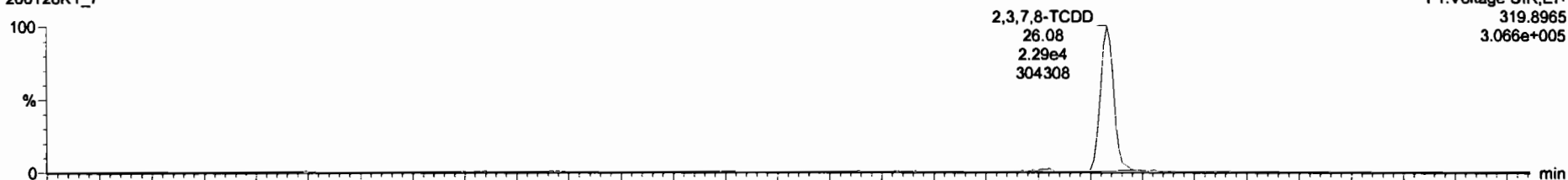
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Last Altered: Wednesday, January 29, 2020 07:48:32 Pacific Standard Time
Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

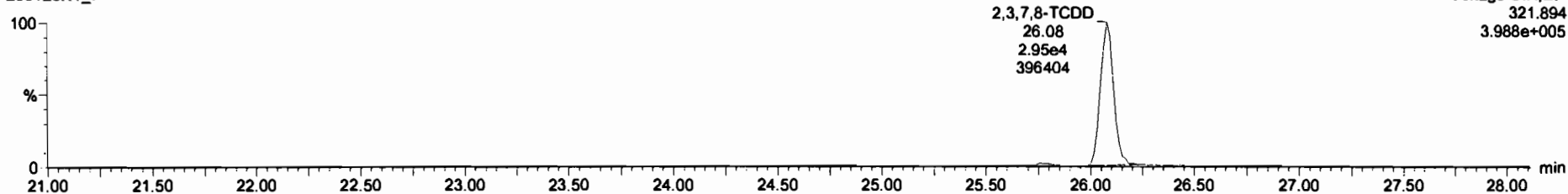
Name: 200128K1_7, Date: 28-Jan-2020, Time: 16:57:48, ID: SS200128K1_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

2,3,7,8-TCDD

200128K1_7

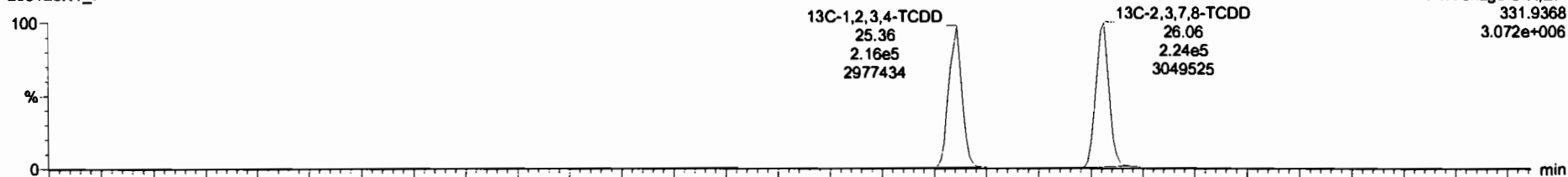


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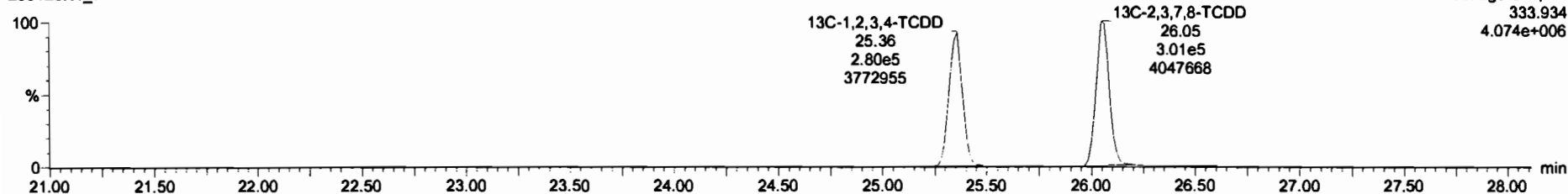


13C-2,3,7,8-TCDD

200128K1_7



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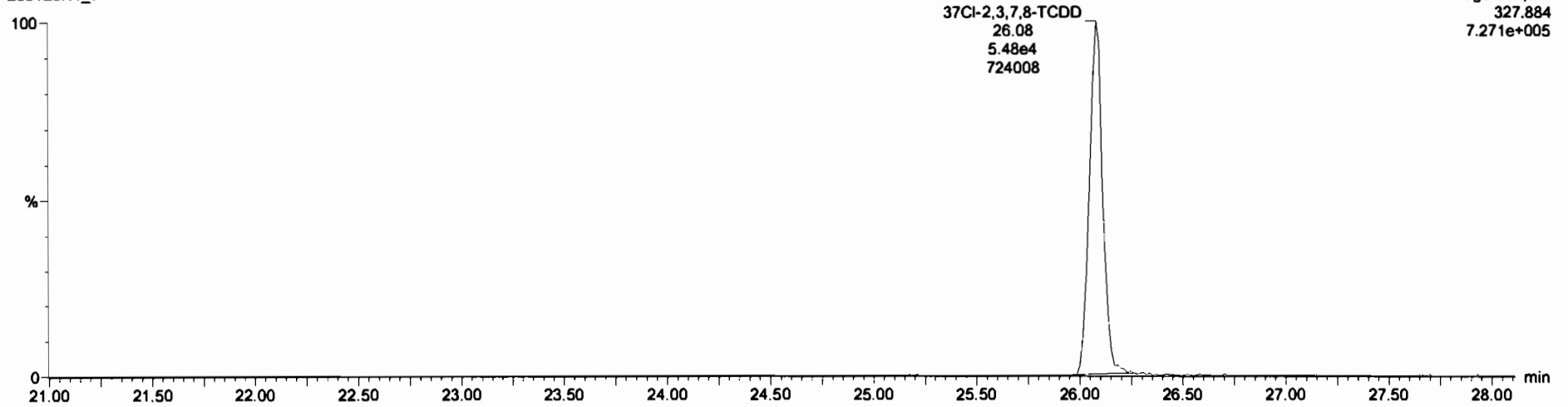
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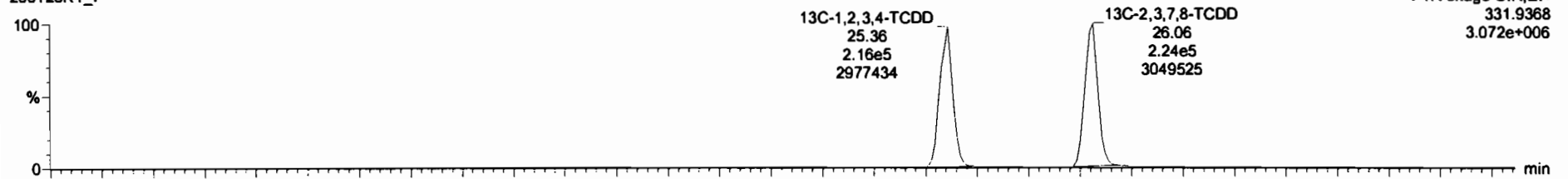
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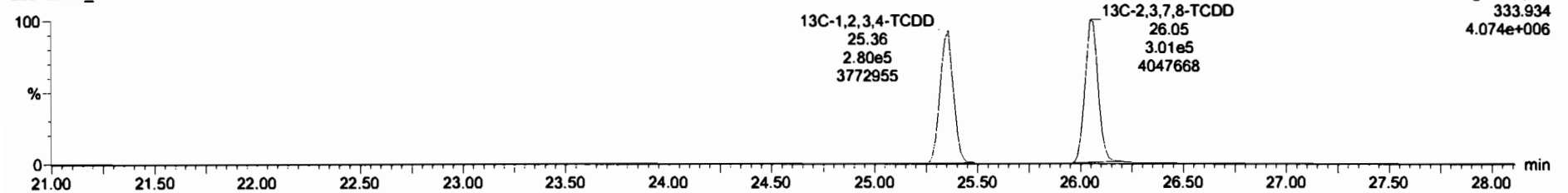


13C-1,2,3,4-TCDD

200128K1_7



200128K1_7



Dataset: Untitled

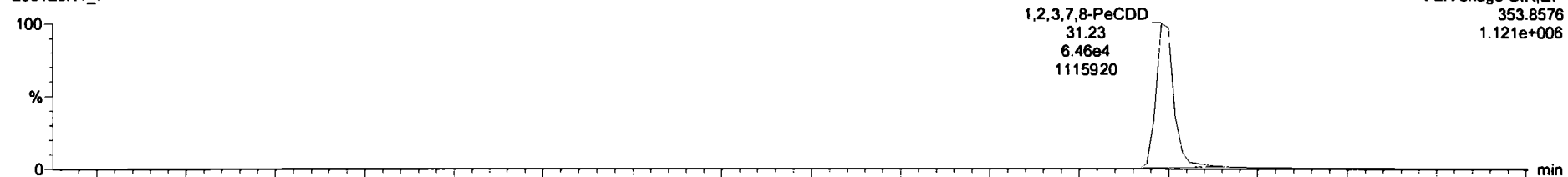
Last Altered: Wednesday, January 29, 2020 07:48:32 Pacific Standard Time

Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

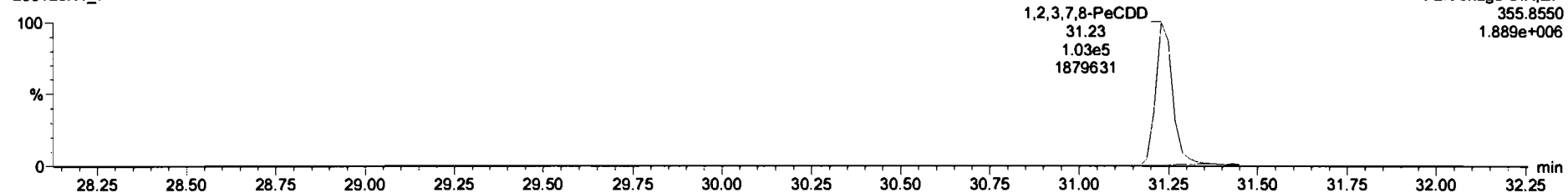
Name: 200128K1_7, Date: 28-Jan-2020, Time: 16:57:48, ID: SS200128K1_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

1,2,3,7,8-PeCDD

200128K1_7

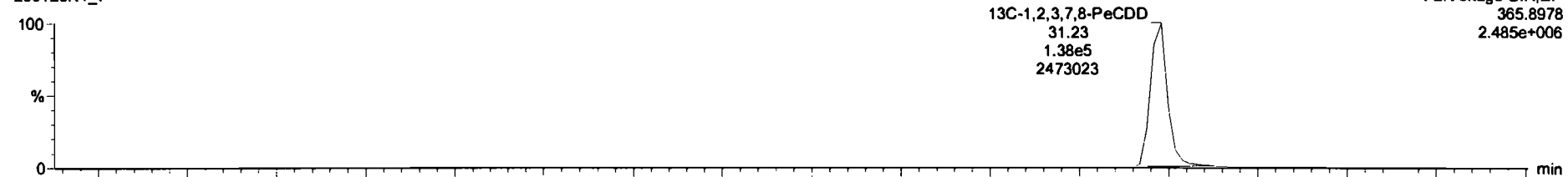


200128K1_7

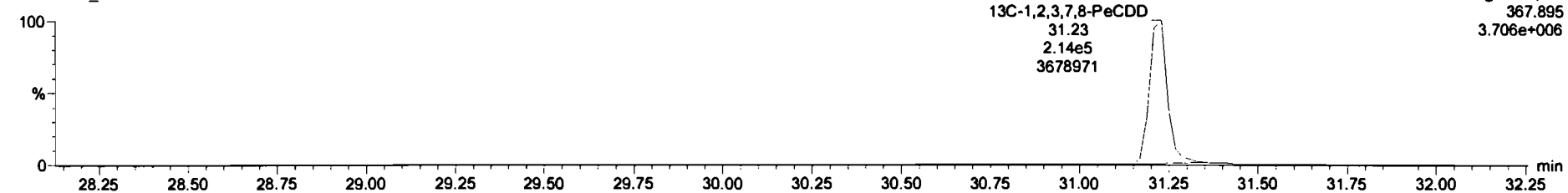


13C-1,2,3,7,8-PeCDD

200128K1_7



200128K1_7



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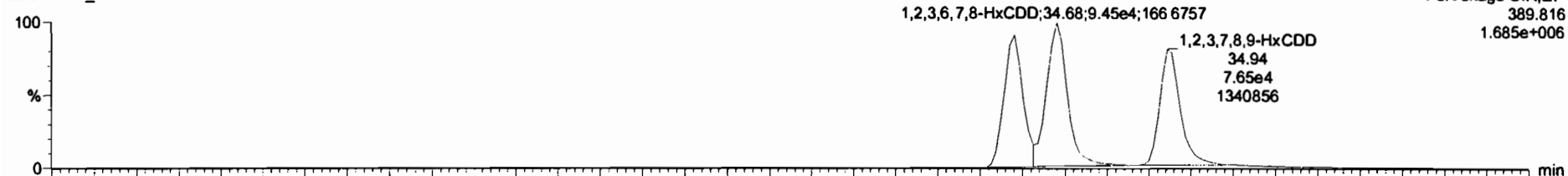
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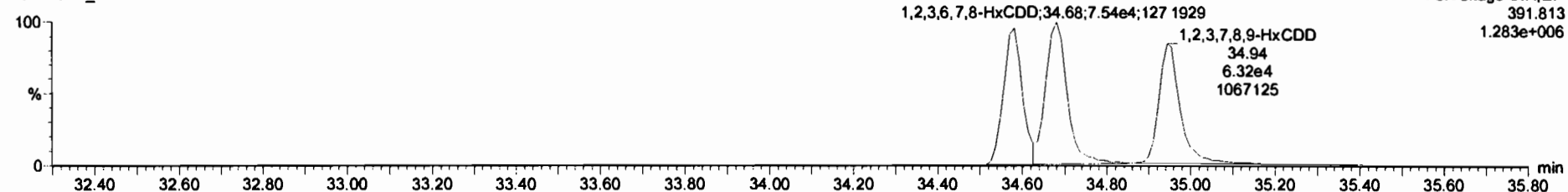
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1,2,3,4,7,8-HxCDD

200128K1_7

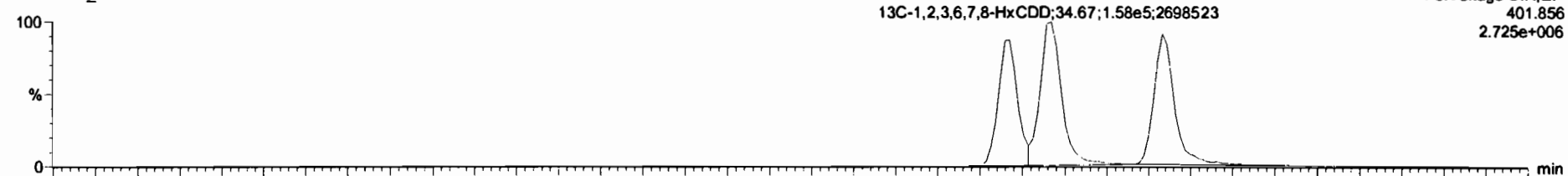


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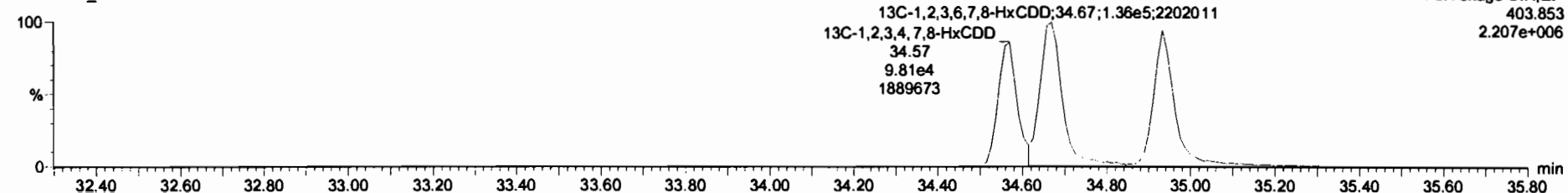


13C-1,2,3,4,7,8-HxCDD

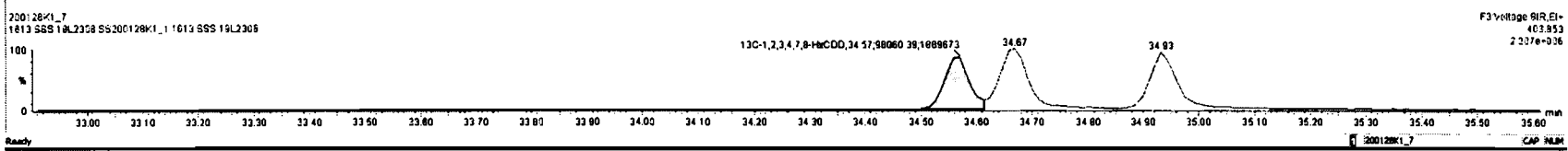
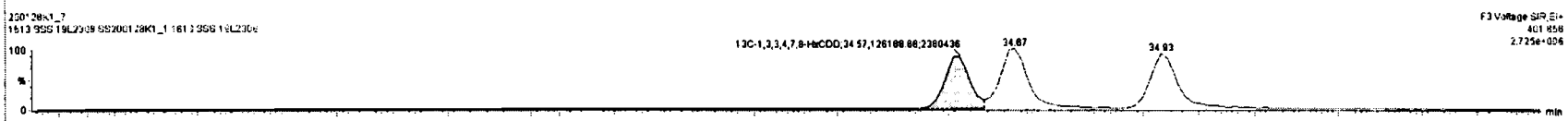
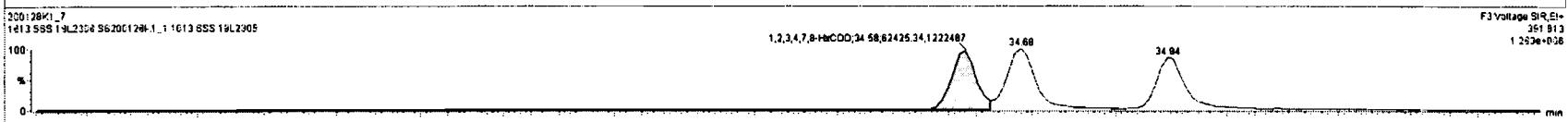
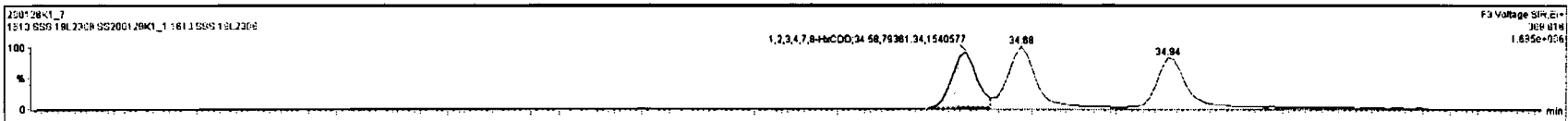
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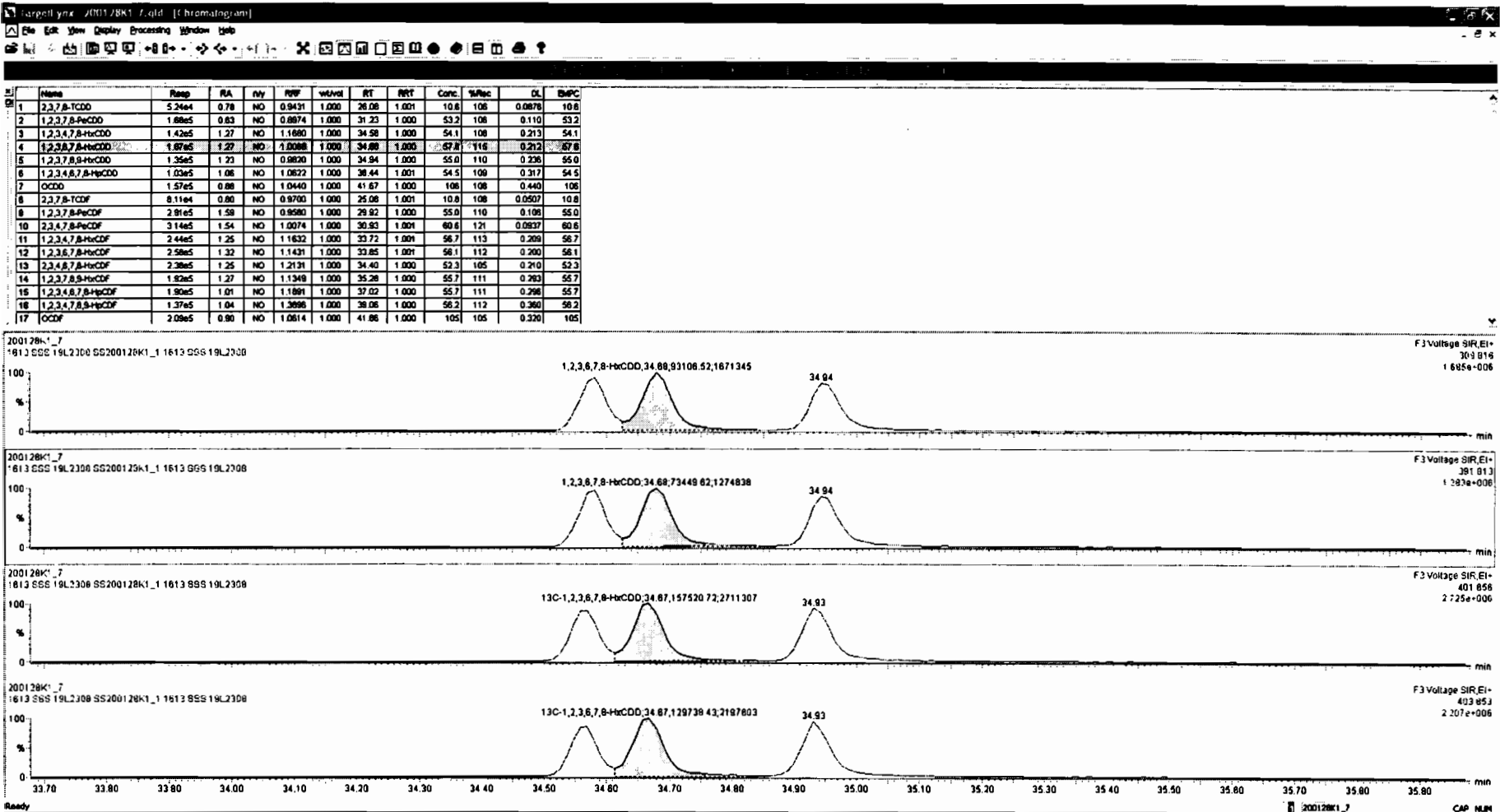


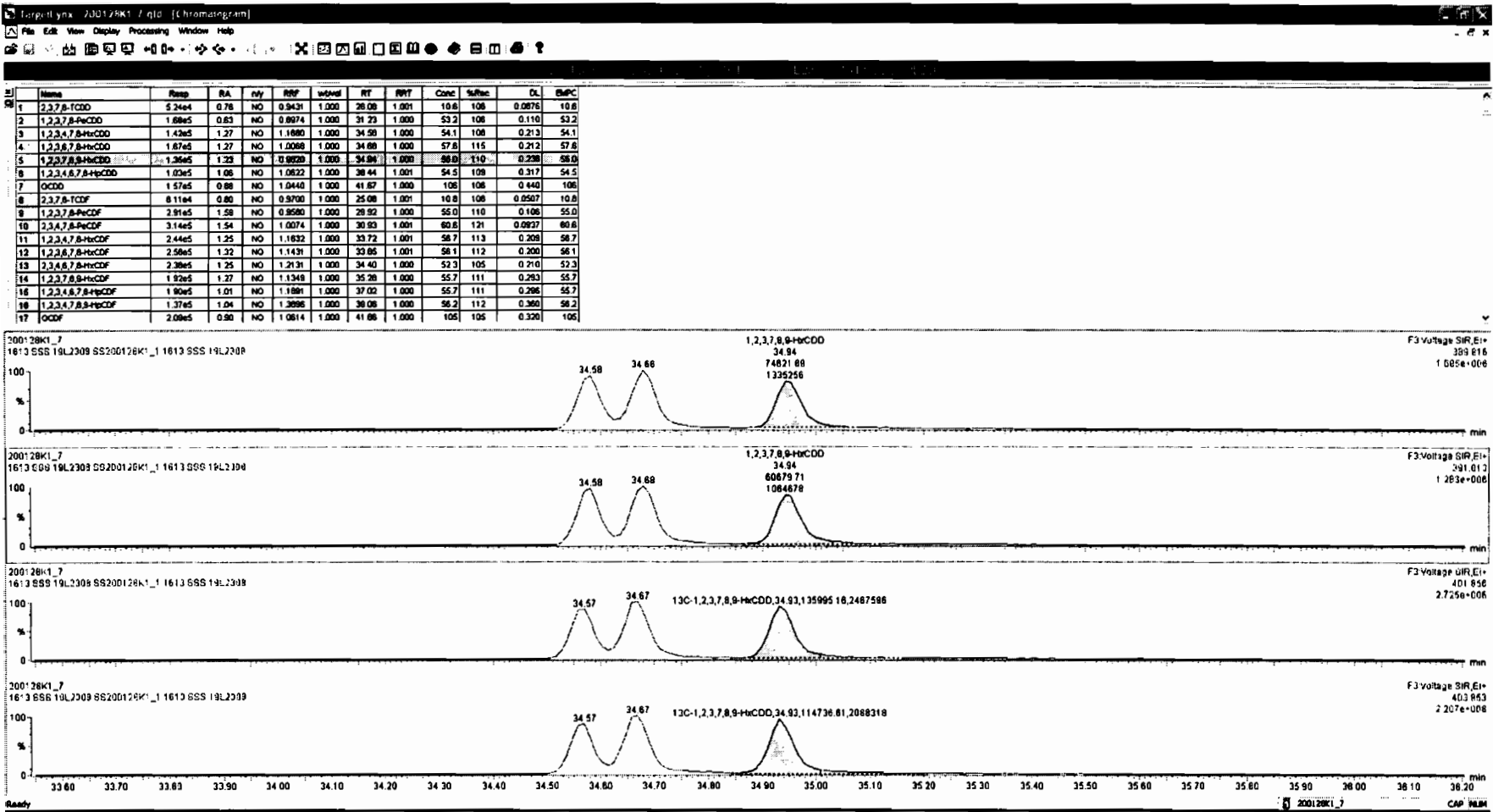
200128K1_7



#	Name	Resp	RA	n/y	RF	wRet	RT	RET	Conc.	%Rec	DL	BiPC
1	2,3,7,8-TCDF	5.24e4	0.78	NO	0.9431	1.000	26.08	1.001	10.8	108	0.0878	10.8
2	1,2,3,7,8-PeCDD	1.89e5	0.83	NO	0.8974	1.000	21.23	1.000	53.2	108	0.110	53.2
3	1,2,3,4,7,8-HxCDD	1.42e5	1.27	NO	1.1688	1.000	24.28	1.000	84.3	108	0.293	84.3
4	1,2,3,7,8-HxCDD	1.87e5	1.27	NO	1.0088	1.000	34.88	1.000	57.8	115	0.212	57.8
5	1,2,3,4,7,8-HxCDD	1.25e5	1.23	NO	0.8820	1.000	24.94	1.000	55.0	110	0.228	55.0
6	1,2,3,4,6,7,8-HpCDD	1.02e5	1.08	NO	1.0822	1.000	28.44	1.001	54.5	109	0.317	54.5
7	OCDD	1.57e5	0.88	NO	1.0440	1.000	41.87	1.000	108	108	0.440	108
8	2,3,7,8-TCDF	8.11e4	0.80	NO	0.9700	1.000	25.08	1.001	10.8	108	0.0807	10.8
9	1,2,3,7,8-PeCDF	2.91e5	1.58	NO	0.8590	1.000	28.92	1.000	55.0	110	0.108	55.0
10	2,3,4,7,8-PeCDF	3.14e5	1.54	NO	1.0074	1.000	30.83	1.001	80.8	121	0.0837	80.8
11	1,2,3,4,7,8-HxCDF	2.44e5	1.25	NO	1.1632	1.000	33.72	1.001	56.7	113	0.208	56.7
12	1,2,3,6,7,8-HxCDF	2.58e5	1.32	NO	1.1431	1.000	33.85	1.001	58.1	112	0.200	58.1
13	2,3,4,6,7,8-HxCDF	2.38e5	1.25	NO	1.2131	1.000	34.40	1.000	52.3	105	0.210	52.3
14	1,2,3,7,8,9-HxCDF	1.82e5	1.27	NO	1.1349	1.000	35.28	1.000	55.7	111	0.293	55.7
15	1,2,3,4,6,7,8-HpCDF	1.90e5	1.01	NO	1.1881	1.000	37.02	1.000	55.7	111	0.286	55.7
16	1,2,3,4,7,8,9-HpCDF	1.37e5	1.04	NO	1.3888	1.000	38.06	1.000	58.2	112	0.380	58.2
17	OCDF	2.08e5	0.90	NO	1.0814	1.000	41.88	1.000	106	105	0.320	105







Dataset: Untitled

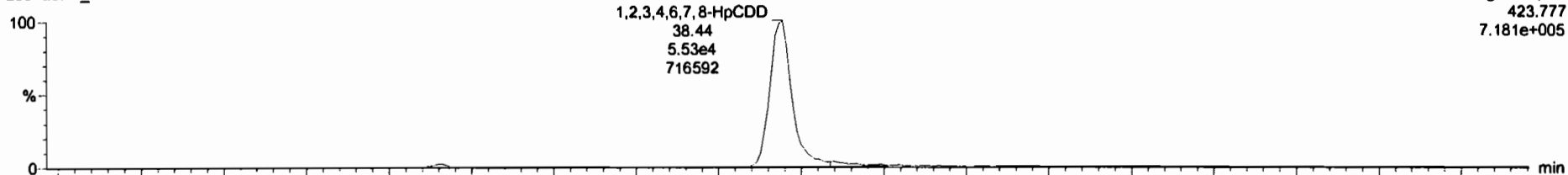
Last Altered: Wednesday, January 29, 2020 07:48:32 Pacific Standard Time

Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

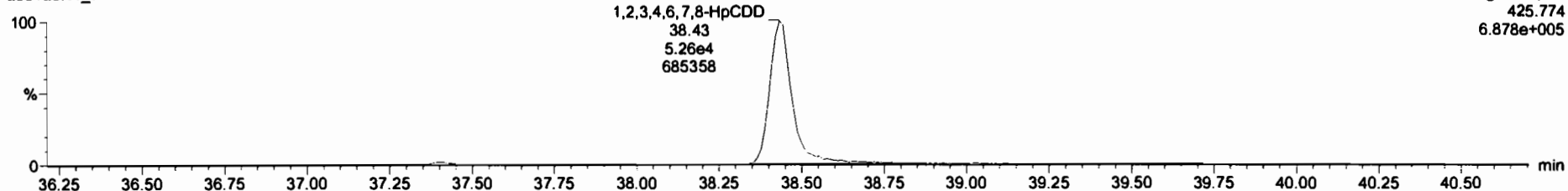
Name: 200128K1_7, Date: 28-Jan-2020, Time: 16:57:48, ID: SS200128K1_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

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

200128K1_7

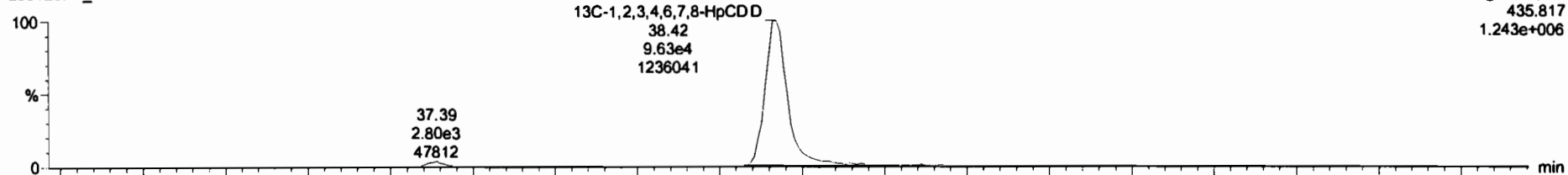


200128K1_7

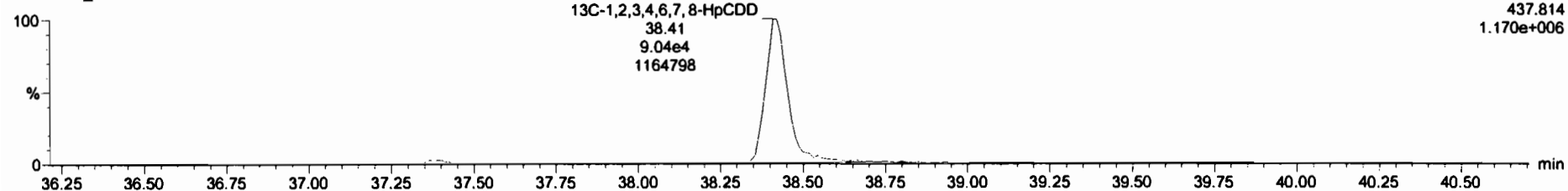


13C-1,2,3,4,6,7,8-HpCDD

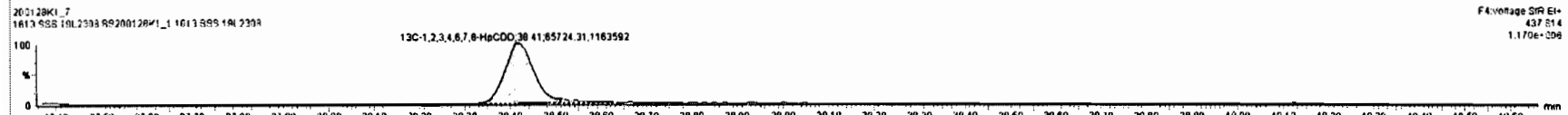
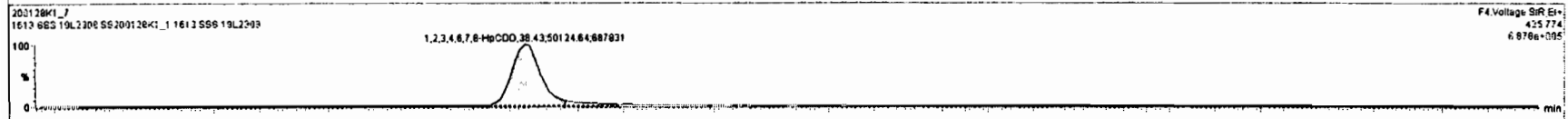
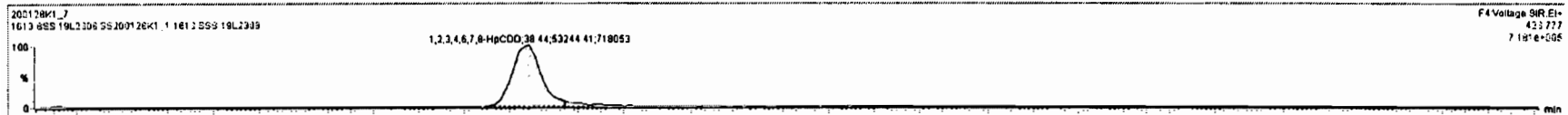
200128K1_7



200128K1_7



#	Name	Ret	SA	dy	RF	Wt%	RT	RTT	Comp	Wt%	CL	EMPC
1	2,3,7,8-TCDD	5.24e4	0.78	NO	0.9431	1.000	28.08	1.001	10.6	108	0.0878	10.6
2	1,2,3,7,8-PeCDD	1.68e5	0.63	NO	0.8874	1.000	31.23	1.000	53.2	108	0.110	53.2
3	1,2,3,4,7,8-HpCDD	1.42e5	1.27	NO	1.1080	1.000	34.58	1.000	54.1	108	0.213	54.1
4	1,2,3,6,7,8-HxCDD	1.67e5	1.27	NO	1.0088	1.000	34.68	1.000	57.6	115	0.212	57.6
5	1,2,3,7,8,9-HxCDD	1.35e5	1.23	NO	0.9820	1.000	34.94	1.000	55.0	110	0.236	55.0
6	1,2,3,4,6,7,8-HpCDD	1.03e5	1.08	NO	1.0822	1.000	38.44	1.001	94.8	108	0.317	94.8
7	OCDD	1.57e5	0.88	NO	1.0440	1.000	41.87	1.000	108	108	0.440	108
8	2,3,7,8-TCDF	8.11e4	0.80	NO	0.9700	1.000	25.08	1.001	10.8	108	0.0507	10.8
9	1,2,3,7,8-PeCDF	2.91e5	1.59	NO	0.8590	1.000	28.92	1.000	55.0	110	0.108	55.0
10	1,2,3,4,7,8-HxCDF	3.14e5	1.54	NO	1.0074	1.000	30.93	1.001	60.6	121	0.0837	60.6
11	1,2,3,4,7,8-HxCDF	2.44e5	1.25	NO	1.1832	1.000	32.72	1.001	58.7	113	0.209	58.7
12	1,2,3,6,7,8-HxCDF	2.58e5	1.22	NO	1.1431	1.000	33.85	1.001	58.1	112	0.200	58.1
13	2,3,4,6,7,8-HxCDF	2.38e5	1.25	NO	1.2131	1.000	34.40	1.000	52.3	105	0.210	52.3
14	1,2,3,7,8,9-HxCDF	1.82e5	1.27	NO	1.1349	1.000	36.28	1.000	55.7	111	0.280	55.7
15	1,2,3,4,6,7,8-HpCDF	1.80e5	1.01	NO	1.1891	1.000	37.02	1.000	55.7	111	0.298	55.7
16	1,2,3,4,7,8,9-HpCDF	1.37e5	1.04	NO	1.3985	1.000	38.08	1.000	59.2	112	0.380	59.2
17	OCDF	2.08e5	0.90	NO	1.0814	1.000	41.88	1.000	105	105	0.220	105



Dataset: Untitled

Last Altered: Wednesday, January 29, 2020 07:48:32 Pacific Standard Time

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Name: 200128K1_7, Date: 28-Jan-2020, Time: 16:57:48, ID: SS200128K1_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

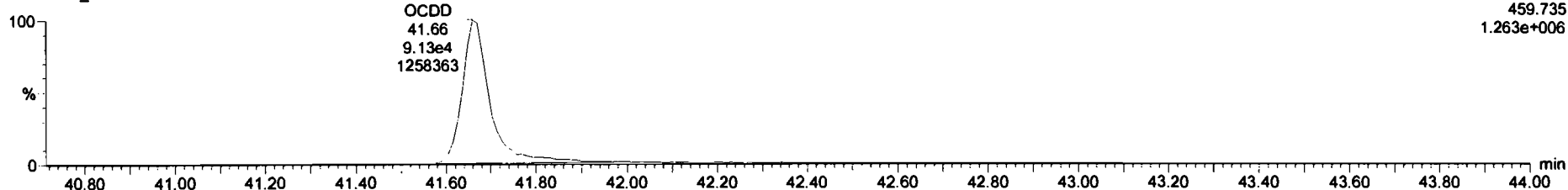
OCDD

200128K1_7



F5:Voltage SIR,EI+
457.738
1.114e+006

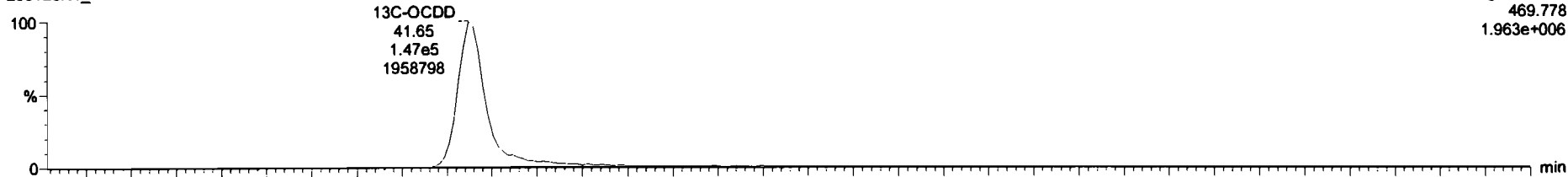
200128K1_7



F5:Voltage SIR,EI+
459.735
1.263e+006

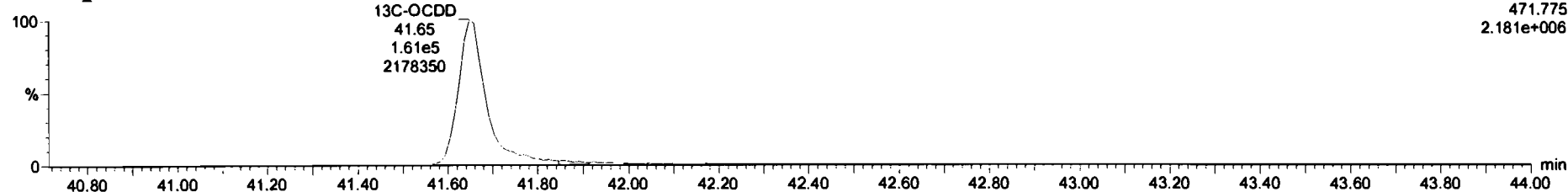
13C-OCDD

200128K1_7



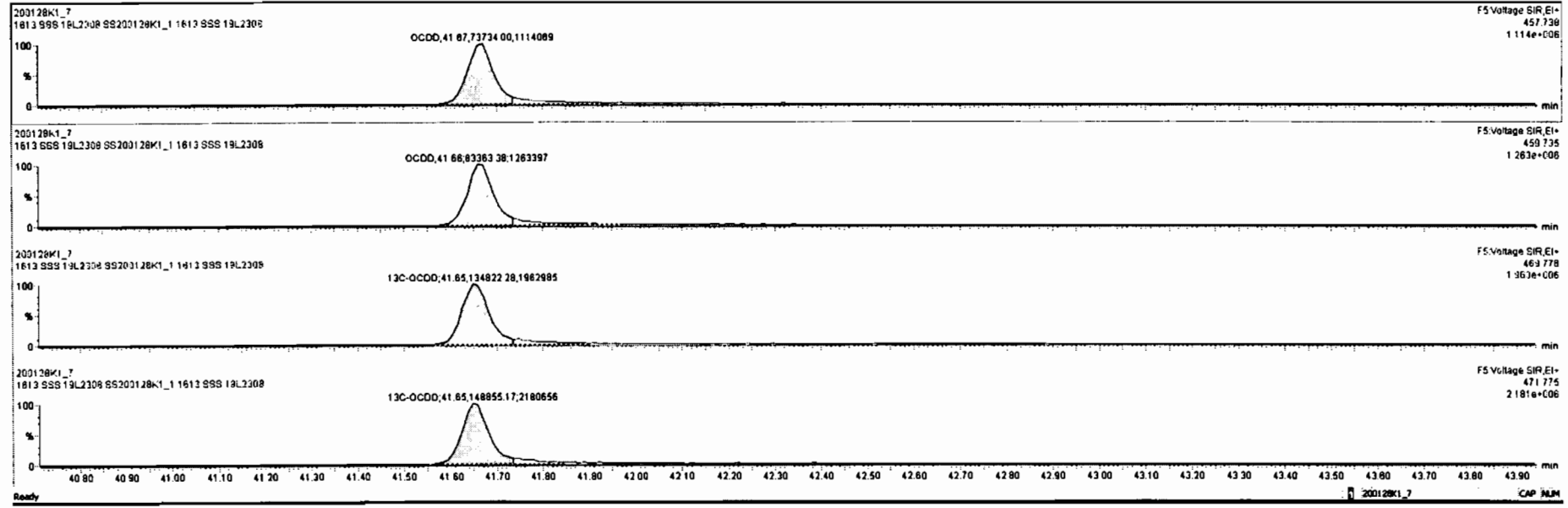
F5:Voltage SIR,EI+
469.778
1.963e+006

200128K1_7



F5:Voltage SIR,EI+
471.775
2.181e+006

Name	Resp	RA	nhv	RRF	wtAvd	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	5.24e4	0.78	NO	0.9431	1.000	26.06	1.001	10.8	106	0.0976	10.8
2 1,2,3,7,8-PeCDD	1.68e5	0.63	NO	0.8974	1.000	31.23	1.000	53.2	106	0.110	53.2
3 1,2,3,4,7,8-HxCDD	1.43e5	1.27	NO	1.1690	1.000	34.56	1.000	54.1	106	0.213	54.1
4 1,2,3,6,7,8-HxCDD	1.87e5	1.27	NO	1.0066	1.000	34.66	1.000	57.8	115	0.212	57.8
5 1,2,3,7,8,9-HxCDD	1.35e5	1.23	NO	0.9820	1.000	34.94	1.000	55.0	110	0.236	55.0
6 1,2,3,4,6,7,8-HpCDD	1.02e5	1.06	NO	1.0672	1.000	36.44	1.001	54.5	109	0.317	54.5
7 OCDD	1.67e5	0.69	NO	1.0448	1.000	41.87	1.000	109	106	0.448	109
8 2,3,7,8-TCDF	8.11e4	0.80	NO	0.9700	1.000	25.06	1.001	10.8	106	0.0907	10.8
9 1,2,3,7,8-PeCDF	2.91e5	1.59	NO	0.9580	1.000	29.82	1.000	55.0	110	0.106	55.0
10 2,3,4,7,8-HxCDF	3.14e5	1.54	NO	1.0074	1.000	30.83	1.001	60.6	121	0.0937	60.6
11 1,2,3,4,7,8-HxCDF	2.44e5	1.25	NO	1.1632	1.000	33.72	1.001	56.7	113	0.209	56.7
12 1,2,3,6,7,8-HxCDF	2.58e5	1.32	NO	1.1431	1.000	33.85	1.001	56.1	112	0.209	56.1
13 2,3,4,6,7,8-HxCDF	2.36e5	1.25	NO	1.2131	1.000	34.40	1.000	53.3	105	0.210	53.3
14 1,2,3,7,8,9-HxCDF	1.92e5	1.27	NO	1.1349	1.000	35.26	1.000	55.7	111	0.263	55.7
15 1,2,3,4,6,7,8-HpCDF	1.90e5	1.01	NO	1.1891	1.000	37.02	1.000	55.7	111	0.296	55.7
16 1,2,3,4,7,8,9-HpCDF	1.37e5	1.04	NO	1.3986	1.000	39.06	1.000	56.2	112	0.360	56.2
17 OCDF	2.09e5	0.90	NO	1.0614	1.000	41.86	1.000	105	105	0.320	105



Dataset: Untitled

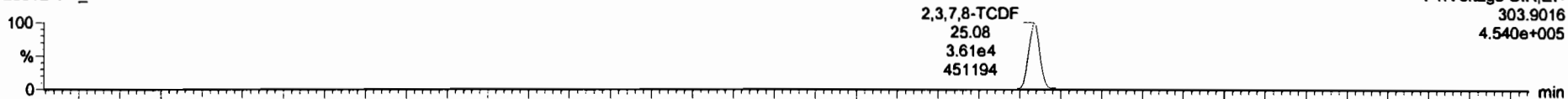
Last Altered: Wednesday, January 29, 2020 07:48:32 Pacific Standard Time

Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

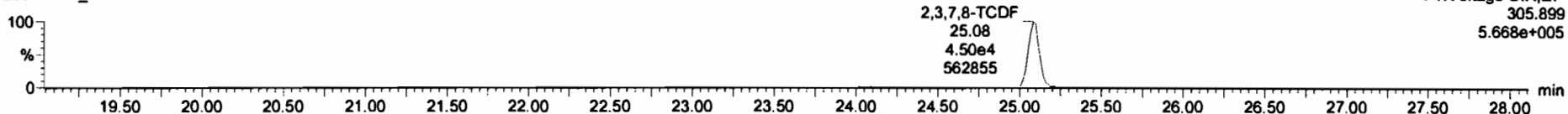
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2,3,7,8-TCDF

200128K1_7

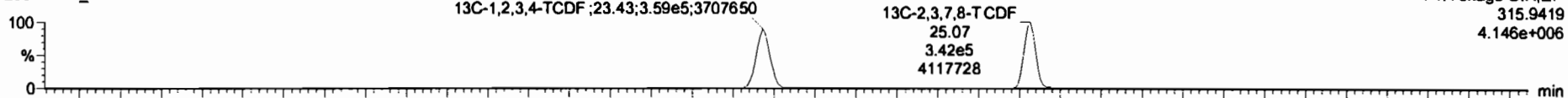


200128K1_7

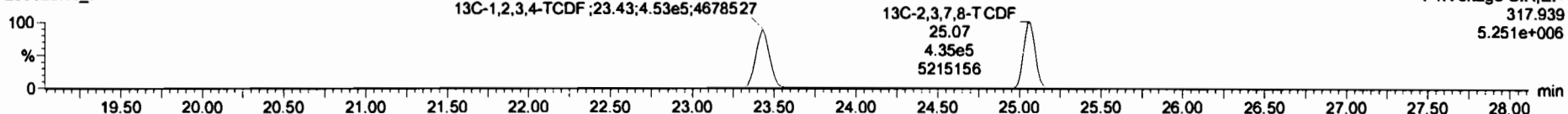


13C-2,3,7,8-TCDF

200128K1_7

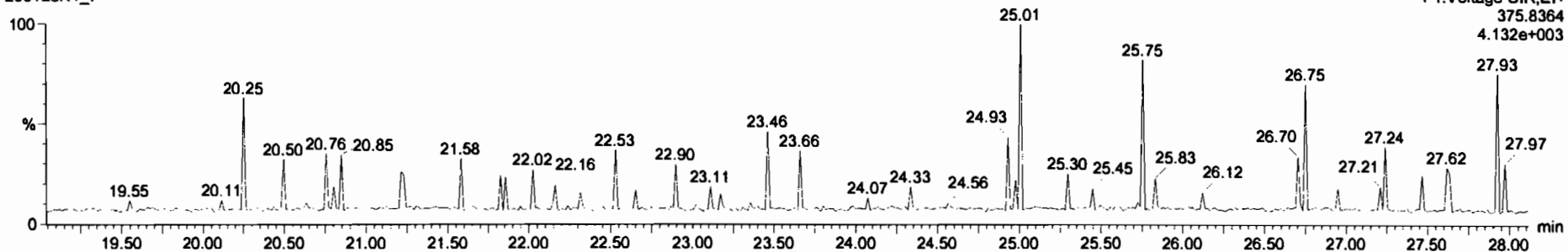


200128K1_7



DPE1

200128K1_7



Dataset: Untitled

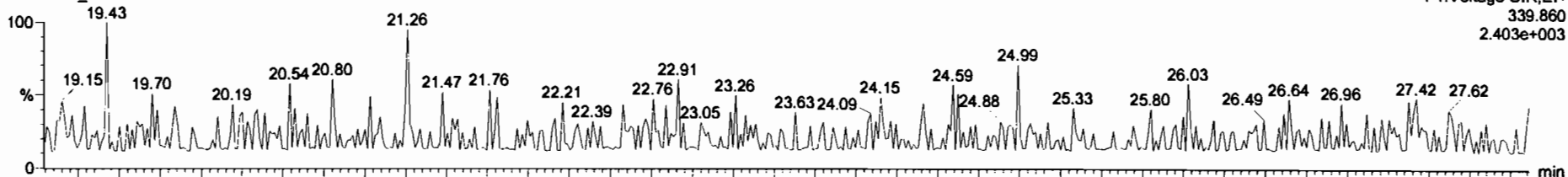
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Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

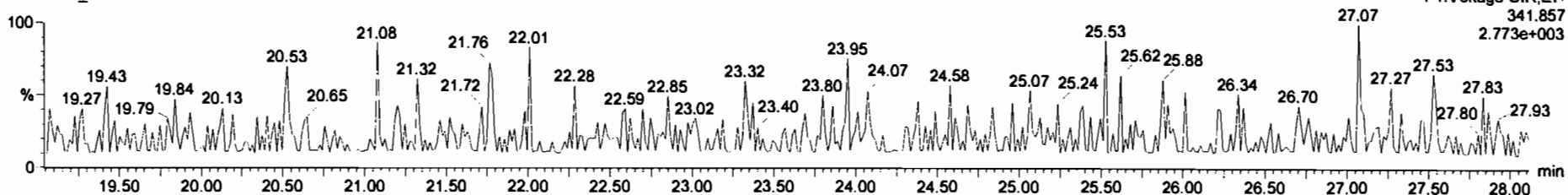
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1st Func. Penta-Furans

200128K1_7

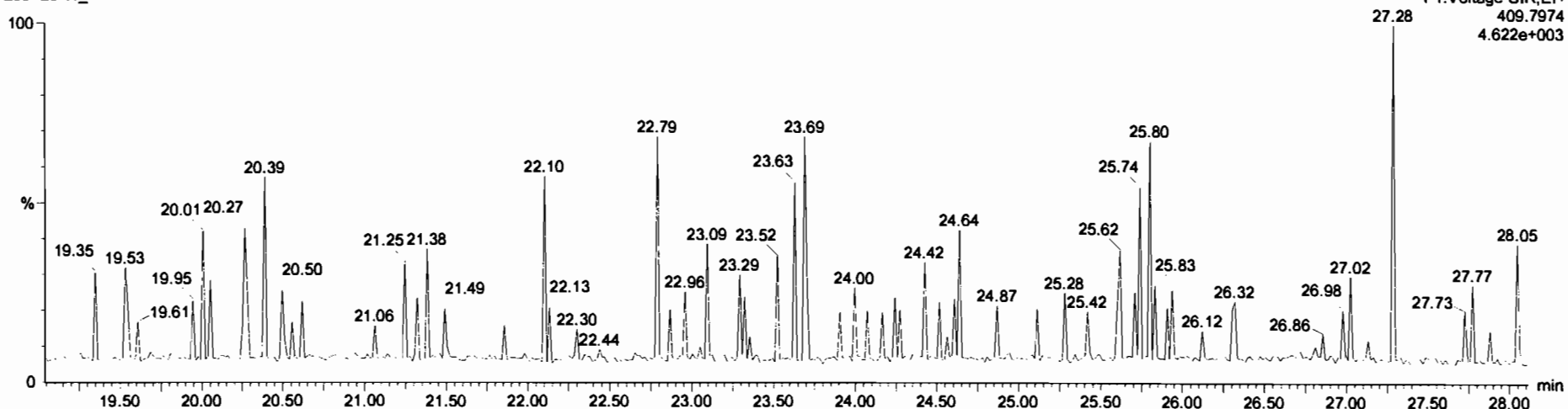


200128K1_7



DPE6

200128K1_7



Dataset: Untitled

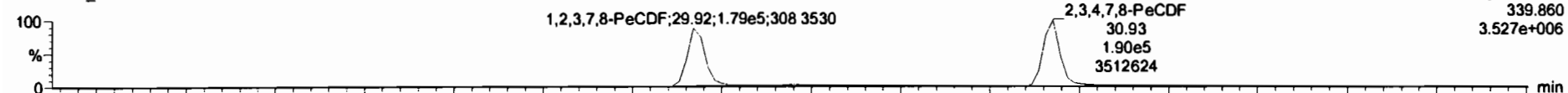
Last Altered: Wednesday, January 29, 2020 07:48:32 Pacific Standard Time

Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

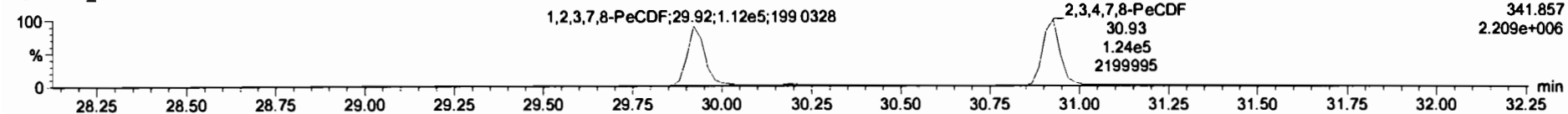
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1,2,3,7,8-PeCDF

200128K1_7

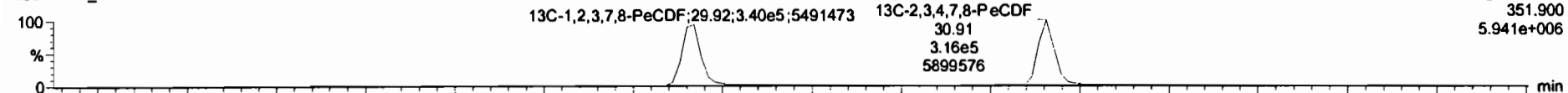


200128K1_7

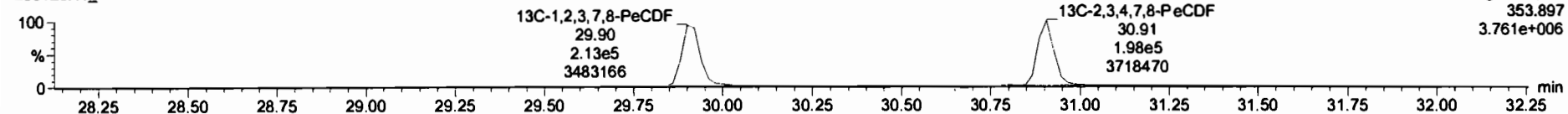


13C-1,2,3,7,8-PeCDF

200128K1_7

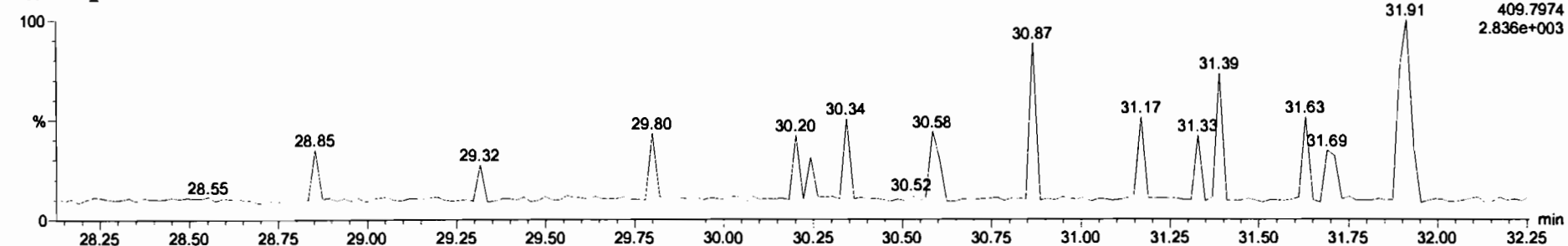


200128K1_7



DPE2

200128K1_7



Dataset: Untitled

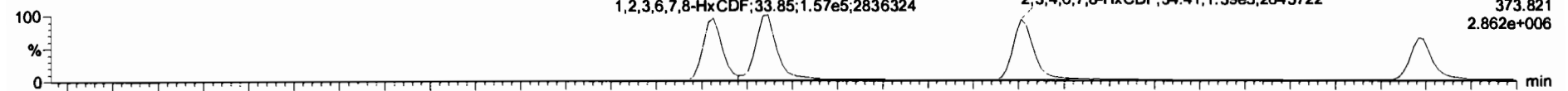
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Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

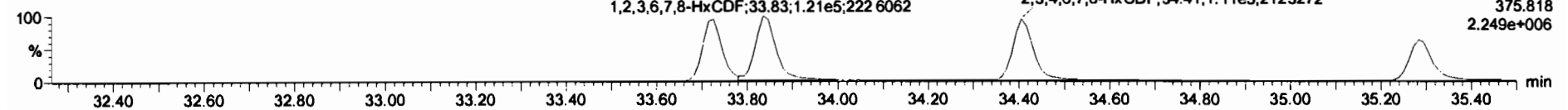
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1,2,3,4,7,8-HxCDF

200128K1_7

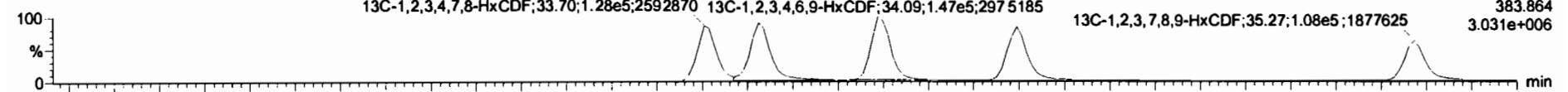


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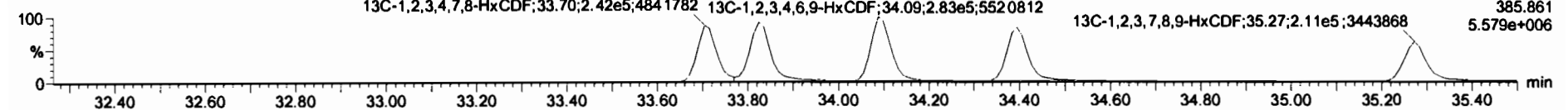


13C-1,2,3,4,7,8-HxCDF

200128K1_7

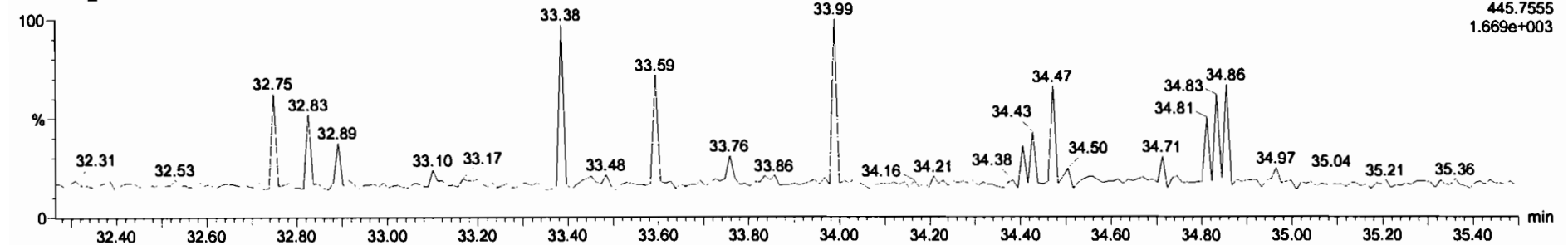


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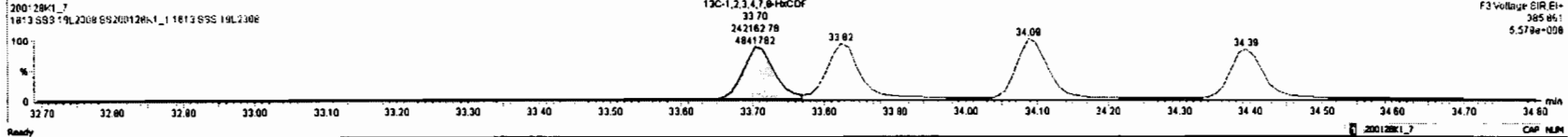
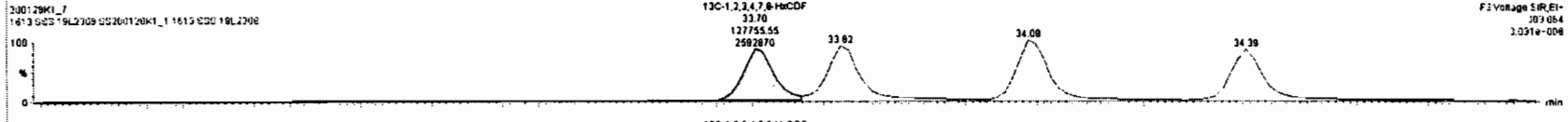
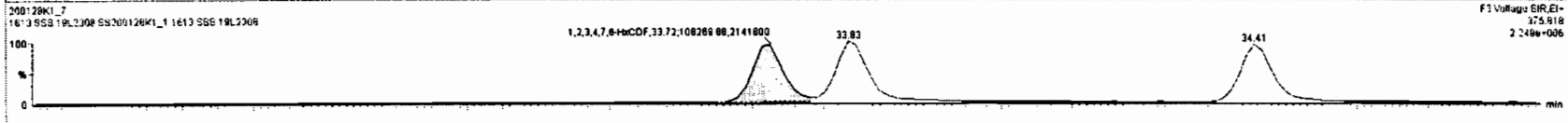
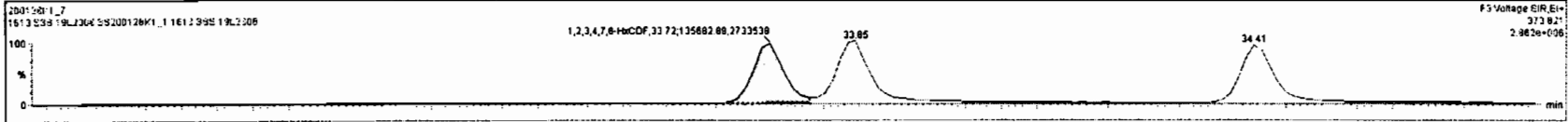


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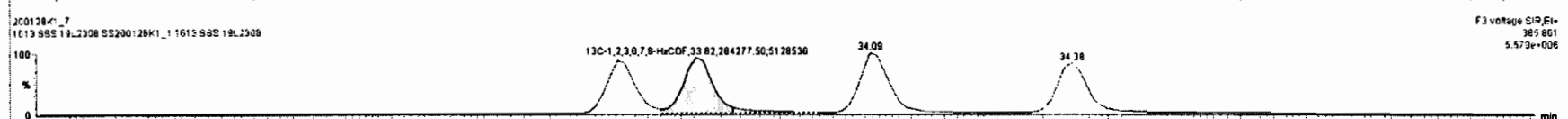
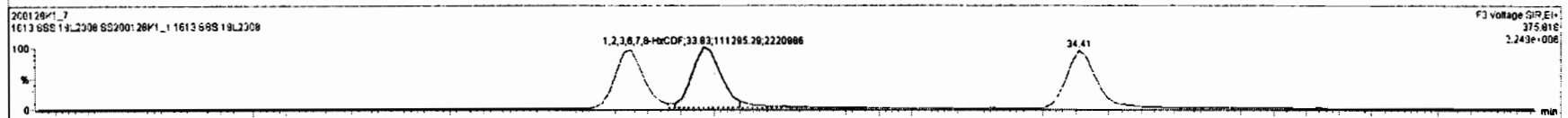
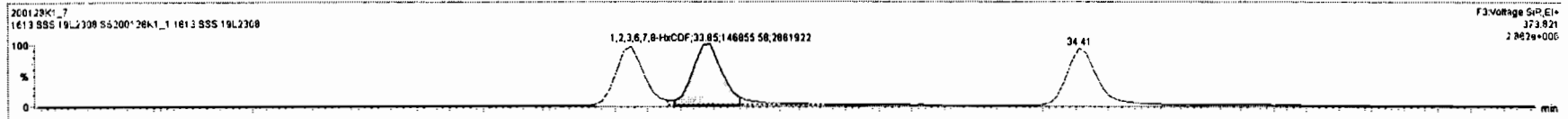
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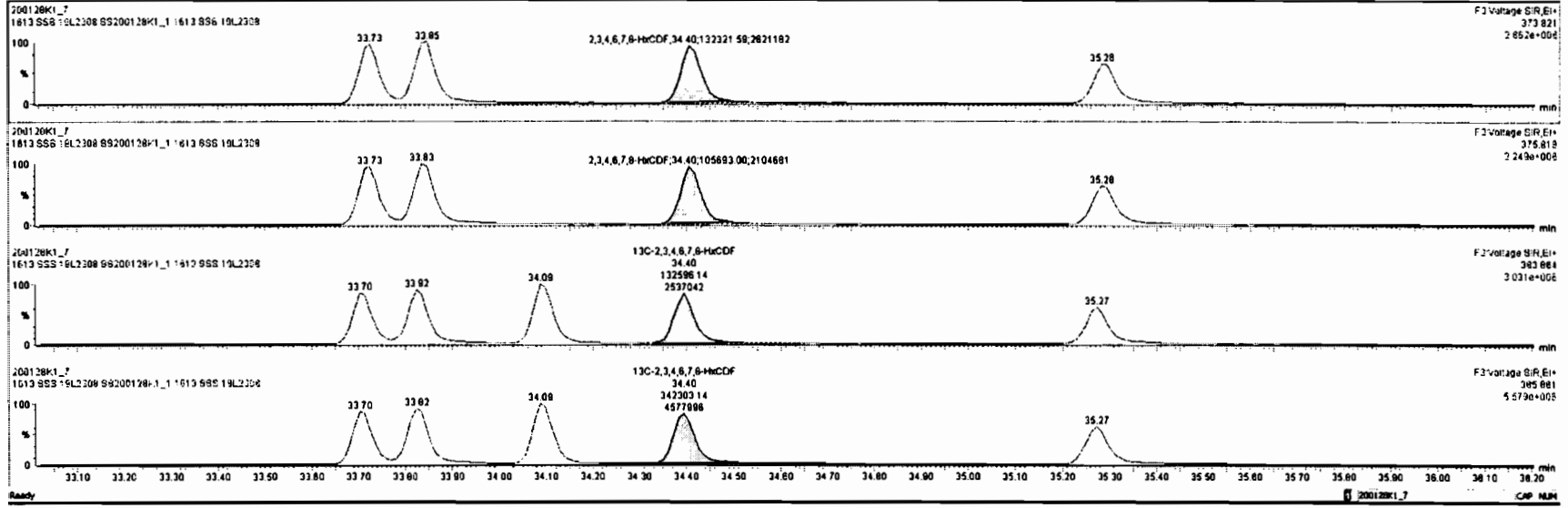
#	Name	Resp	RA	nly	RWF	wtVol	RT	RRT	Conc	%Rec	DL	Ref-C
1	2,3,7,8-TCDD	5.24e4	0.78	NO	0.9431	1.000	26.08	1.001	10.6	1.06	0.0876	10.6
2	1,2,3,7,8-PeCDD	1.89e5	0.83	NO	0.8974	1.000	31.23	1.000	53.3	1.08	0.110	53.3
3	1,2,3,4,7,8-HxCDD	1.42e5	1.27	NO	1.1820	1.000	34.58	1.000	54.1	1.08	0.213	54.1
4	1,2,3,6,7,8-HxCDD	1.67e5	1.27	NO	1.0098	1.000	34.88	1.000	57.6	1.15	0.212	57.6
5	1,2,3,7,8-PeCDF	1.35e5	1.23	NO	0.9820	1.000	34.94	1.000	55.0	1.10	0.236	55.0
6	1,2,3,4,6,7,8-HpCDD	1.03e5	1.08	NO	1.0822	1.000	38.44	1.001	54.5	1.08	0.217	54.5
7	OCDD	1.57e5	0.88	NO	1.0440	1.000	41.67	1.000	106	1.06	0.440	106
8	2,3,7,8-TCDF	8.11e4	0.80	NO	0.9703	1.000	25.08	1.001	10.8	1.08	0.0507	10.8
9	1,2,3,7,8-PeCDF	2.91e5	1.58	NO	0.9580	1.000	28.92	1.000	55.0	1.10	0.106	55.0
10	2,3,4,7,8-HxCDF	3.14e5	1.54	NO	1.0074	1.000	30.83	1.001	60.6	1.21	0.0837	60.6
11	1,2,2,4,7,8-HxCDF	2.44e5	1.28	NO	1.1832	1.000	32.72	1.001	88.7	1.19	0.200	88.7
12	1,2,3,6,7,8-HxCDF	2.58e5	1.32	NO	1.1431	1.000	33.85	1.001	88.1	1.12	0.200	88.1
13	2,3,4,6,7,8-HxCDF	2.38e5	1.25	NO	1.2131	1.000	34.40	1.000	52.3	1.06	0.210	52.3
14	1,2,3,7,8-PeCDF	1.82e5	1.27	NO	1.1348	1.000	35.28	1.000	55.7	1.11	0.283	55.7
15	1,2,3,4,6,7,8-HpCDF	1.90e5	1.07	NO	1.1891	1.000	37.02	1.000	55.7	1.11	0.286	55.7
16	1,2,3,4,7,8-HxCDF	1.37e5	1.04	NO	1.2888	1.000	38.08	1.000	88.2	1.12	0.280	88.2
17	OCDF	2.08e5	0.90	NO	1.0814	1.000	41.88	1.000	105	1.05	0.320	105



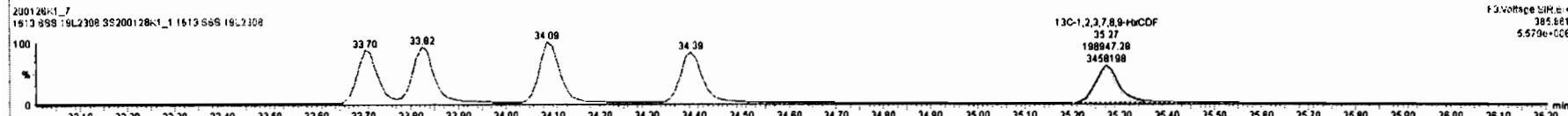
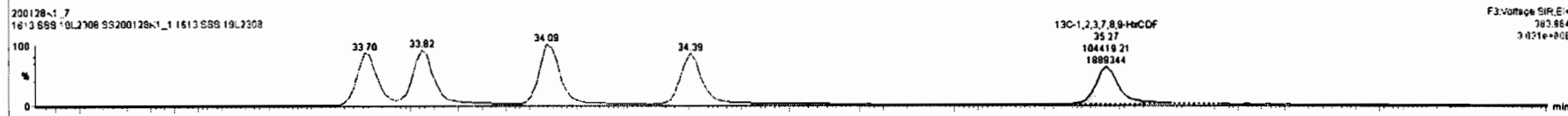
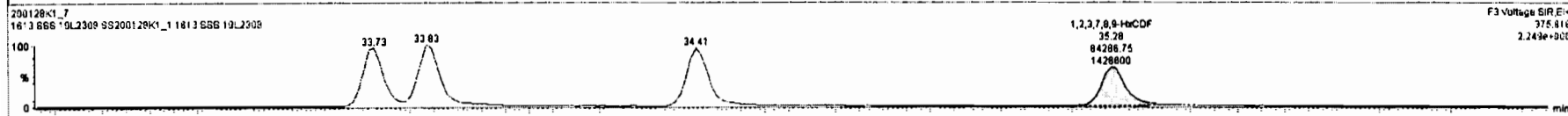
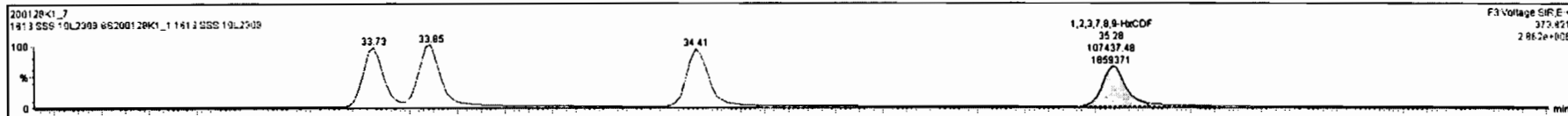
#	Name	Resp	BA	nty	RNF	width	RT	NRT	Conc.	S/Rec	DL	MSPC
1	1,2,3,7,8-TCDD	5.24e4	0.78	NO	0.9431	1.000	38.08	1.001	10.6	108	0.0026	10.6
2	1,2,3,7,8-PeCDD	1.68e5	0.63	NO	0.8974	1.000	31.23	1.000	53.2	106	0.110	53.2
3	1,2,3,4,7,8-HxCDD	1.42e5	1.27	NO	1.1080	1.000	34.58	1.000	54.1	108	0.213	54.1
4	1,2,3,6,7,8-HxCDD	1.67e5	1.27	NO	1.0098	1.000	34.88	1.000	57.6	115	0.212	57.6
5	1,2,3,7,8,9-HxCDD	1.35e5	1.23	NO	0.9820	1.000	34.94	1.000	55.0	110	0.236	55.0
6	1,2,3,4,6,7,8-HpCDD	1.03e5	1.08	NO	1.0822	1.000	38.44	1.001	54.5	109	0.317	54.5
7	OCDD	1.57e5	0.88	NO	1.0440	1.000	41.67	1.000	106	106	0.440	106
8	2,3,7,8-TCDF	8.11e4	0.80	NO	0.9700	1.000	35.08	1.001	10.8	108	0.0507	10.8
9	1,2,3,7,8-PeCDF	2.91e5	1.58	NO	0.9590	1.000	28.92	1.000	55.0	110	0.108	55.0
10	1,2,3,4,7,8-HxCDF	3.14e5	1.54	NO	1.0074	1.000	30.83	1.001	60.6	121	0.0897	60.6
11	1,2,3,4,7,8-HxCDF	2.44e5	1.25	NO	1.1832	1.000	33.72	1.001	58.7	113	0.208	58.7
12	1,2,3,6,7,8-HxCDF	2.59e5	1.30	NO	1.1431	1.000	33.85	1.001	68.1	112	0.208	68.1
13	1,2,3,4,6,7,8-HpCDF	2.38e5	1.25	NO	1.2131	1.000	34.40	1.000	52.3	105	0.210	52.3
14	1,2,3,7,8,9-HxCDF	1.92e5	1.27	NO	1.1349	1.000	35.28	1.000	55.7	111	0.282	55.7
15	1,2,3,4,6,7,8-HpCDF	1.80e5	1.01	NO	1.1891	1.000	37.02	1.000	55.7	111	0.296	55.7
16	1,2,3,4,7,8,9-HpCDF	1.37e5	1.04	NO	1.3885	1.000	38.08	1.000	58.2	112	0.380	58.2
17	OCDF	2.08e5	0.90	NO	1.0814	1.000	41.88	1.000	105	105	0.320	105



#	Name	Resp	SA	Int	RFI	VolVol	RT	RRT	Conc.	%Rec	DL	SDPC
1	2,3,7,8-TCDD	5.24e4	0.78	NO	0.9431	1.000	28.08	1.001	10.8	108	0.0878	10.8
2	1,2,3,7,8-PeCDD	1.88e5	0.83	NO	0.8874	1.000	31.23	1.000	53.2	108	0.110	53.2
3	1,2,3,4,7,8-HxCDD	1.43e5	1.27	NO	1.1880	1.000	34.58	1.000	54.1	108	0.213	54.1
4	1,2,3,7,8-HxCDD	1.87e5	1.27	NO	1.0088	1.000	34.88	1.000	57.8	115	0.212	57.8
5	1,2,3,7,8,9-HxCDD	1.35e5	1.23	NO	0.9820	1.000	34.94	1.000	55.0	110	0.238	55.0
6	1,2,3,4,6,7,8-HpCDD	1.03e5	1.08	NO	1.0822	1.000	38.44	1.001	54.5	108	0.317	54.5
7	OCDD	1.57e5	0.88	NO	1.0440	1.000	41.87	1.000	106	106	0.440	108
8	2,3,7,8-TCDF	8.11e4	0.80	NO	0.9700	1.000	25.08	1.001	10.8	108	0.0507	10.8
9	1,2,3,7,8-PeCDF	2.91e5	1.58	NO	0.9580	1.000	28.92	1.000	55.0	110	0.108	55.0
10	1,2,3,4,7,8-HxCDF	3.14e5	1.54	NO	1.0074	1.000	30.93	1.001	60.8	121	0.0837	60.8
11	1,2,3,4,7,8-HxCDF	2.44e5	1.25	NO	1.1832	1.000	33.72	1.001	58.7	113	0.208	58.7
12	1,2,3,4,7,8-HxCDF	2.58e5	1.32	NO	1.1431	1.000	33.85	1.001	58.1	112	0.200	58.1
13	2,3,4,6,7,8-HpCDF	2.28e6	1.25	NO	1.2131	1.000	34.40	1.000	82.3	106	0.210	82.3
14	1,2,3,7,8,9-HxCDF	1.82e5	1.27	NO	1.1348	1.000	35.28	1.000	55.7	111	0.280	55.7
15	1,2,3,4,6,7,8-HpCDF	1.80e5	1.01	NO	1.1881	1.000	37.82	1.000	55.7	111	0.288	55.7
16	1,2,3,4,7,8,9-HxCDF	1.37e5	1.04	NO	1.2888	1.000	38.88	1.000	98.2	112	0.280	58.2
17	OCDF	2.08e5	0.80	NO	1.0814	1.000	41.88	1.000	105	105	0.320	108



#	Name	Resp	RA	dy	RRF	WtHnd	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDF	5.24e4	0.78	NO	0.9431	1.000	26.08	1.001	10.8	106	0.0878	10.8
2	1,2,3,7,8-HxCDD	1.68e5	0.63	NO	0.8974	1.000	31.23	1.000	53.2	106	0.110	53.2
3	1,2,3,4,7,8-HxCDD	1.42e5	1.27	NO	1.1880	1.000	34.58	1.000	54.1	108	0.213	54.1
4	1,2,3,6,7,8-HxCDD	1.87e5	1.27	NO	1.0288	1.000	34.68	1.000	57.8	115	0.212	57.8
5	1,2,3,7,8-HxCDF	1.25e5	1.23	NO	0.9820	1.000	34.94	1.000	55.0	110	0.236	55.0
6	1,2,3,4,6,7,8-HpCDD	1.02e5	1.06	NO	1.0622	1.000	36.44	1.001	54.5	109	0.317	54.5
7	OCDD	1.57e5	0.86	NO	1.0440	1.000	41.67	1.000	108	106	0.440	108
8	2,3,7,8-TCDF	8.11e4	0.80	NO	0.9700	1.000	25.08	1.001	10.8	108	0.0507	10.8
9	1,2,3,7,8-HxCDF	2.91e5	1.59	NO	0.9580	1.000	29.92	1.000	55.0	110	0.106	55.0
10	2,3,4,7,8-HxCDF	3.14e5	1.54	NO	1.0074	1.000	30.83	1.001	60.8	121	0.0937	60.8
11	1,2,3,4,7,8-HxCDF	2.44e5	1.25	NO	1.1632	1.000	33.72	1.001	56.7	113	0.209	56.7
12	1,2,3,6,7,8-HxCDF	2.58e5	1.32	NO	1.1421	1.000	33.85	1.001	56.1	112	0.200	56.1
13	2,3,4,6,7,8-HxCDF	2.28e5	1.25	NO	1.2131	1.000	34.40	1.000	52.3	105	0.210	52.3
14	1,2,3,7,8-HxCDF	1.92e5	1.27	NO	1.1349	1.000	36.28	1.000	65.7	111	0.283	65.7
15	1,2,3,4,6,7,8-HpCDF	1.80e5	1.01	NO	1.1081	1.000	37.02	1.000	55.7	111	0.298	55.7
16	1,2,3,4,7,8-HxCDF	1.27e5	1.04	NO	1.3888	1.000	38.08	1.000	58.2	112	0.380	58.2
17	OCDF	2.08e5	0.90	NO	1.0814	1.000	41.86	1.000	105	105	0.320	105



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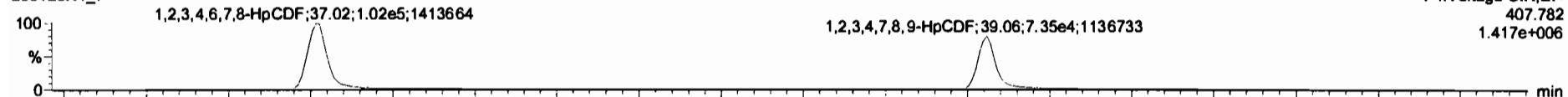
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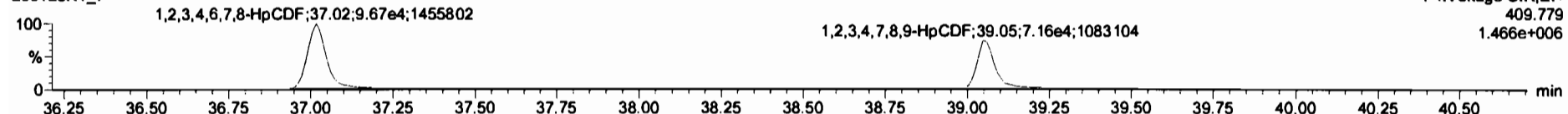
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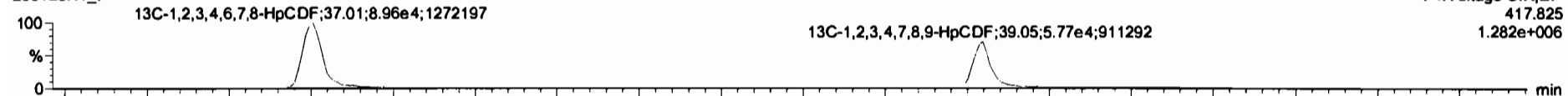


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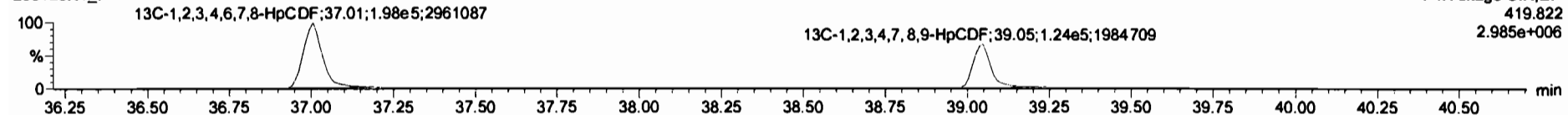


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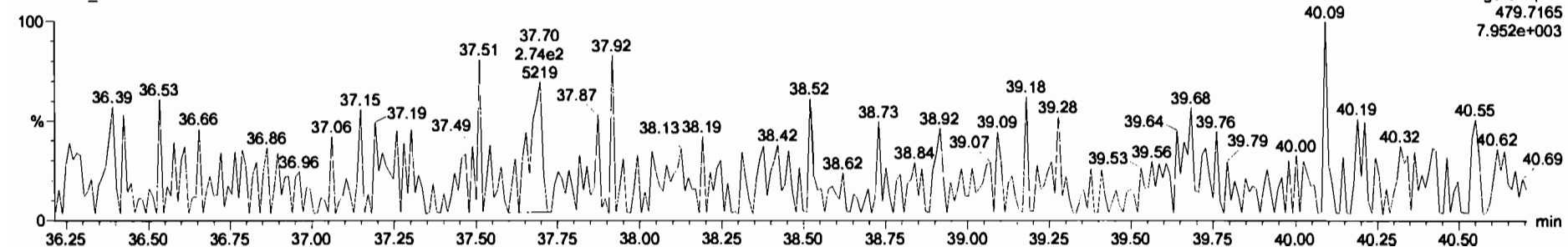


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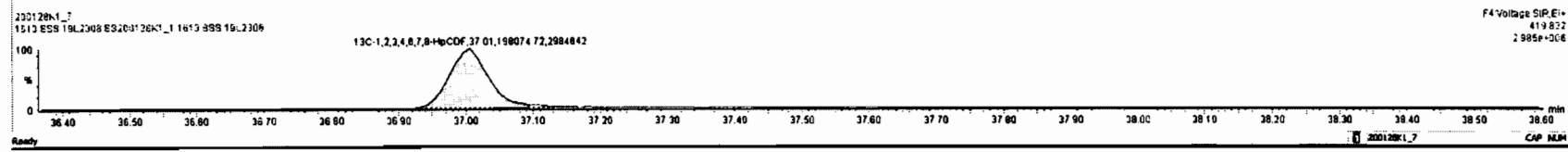
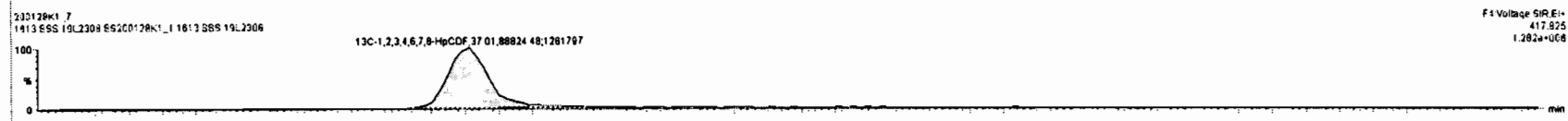
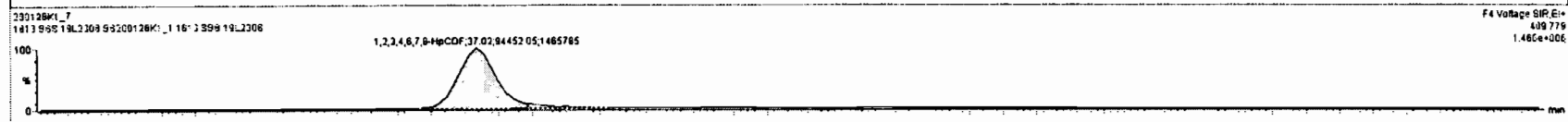
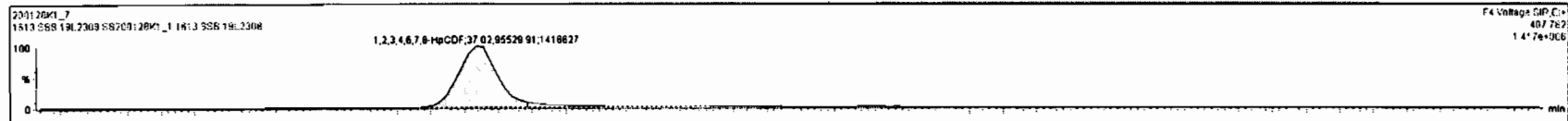


DPE4

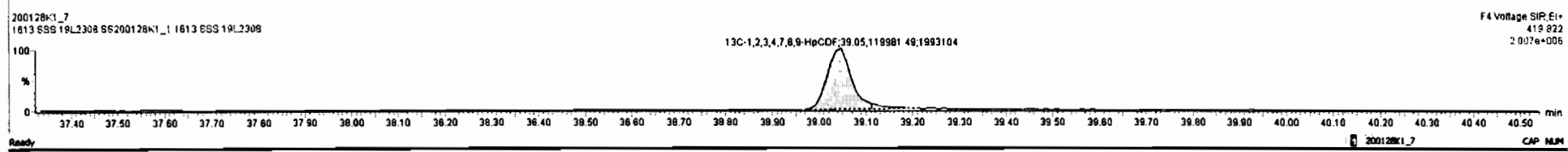
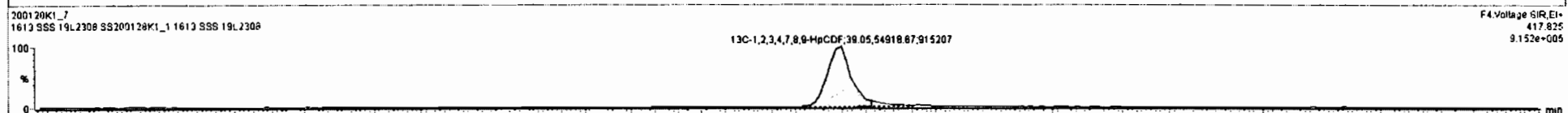
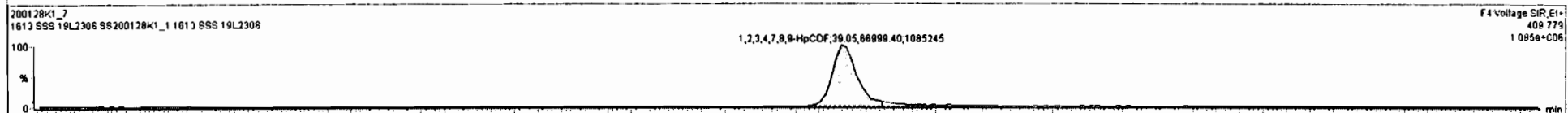
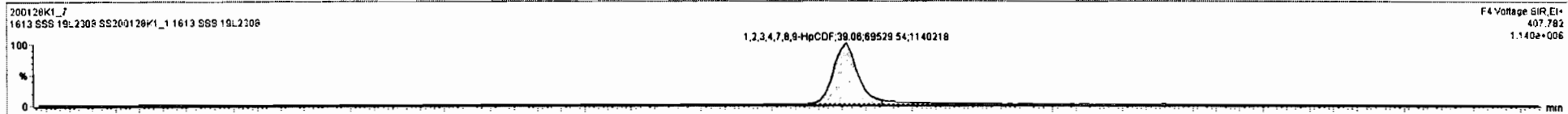
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#	Name	Resp	RA	ndy	RPV	wt/wt	RT	RRT	Conc.	%Rec	DL	ShPC
1	2,3,7,8-TCDD	5.24e4	0.78	NO	0.9431	1.000	26.06	1.001	10.6	106	0.0876	10.6
2	1,2,3,7,8-PeCDD	1.68e5	0.63	NO	0.8974	1.000	31.23	1.000	53.2	106	0.110	53.2
3	1,2,3,4,7,8-HxCDD	1.42e5	1.27	NO	1.1880	1.000	34.56	1.000	54.1	106	0.213	54.1
4	1,2,3,6,7,8-HxCDD	1.67e5	1.27	NO	1.0068	1.000	34.66	1.000	57.6	115	0.212	57.6
5	1,2,3,7,8,9-HxCDD	1.35e5	1.23	NO	0.9920	1.000	34.94	1.000	55.0	110	0.228	55.0
6	1,2,3,4,6,7,8-HpCDD	1.02e5	1.08	NO	1.0222	1.000	36.44	1.001	54.5	109	0.317	54.5
7	OCDF	1.57e5	0.66	NO	1.0440	1.000	41.67	1.000	106	106	0.440	106
8	2,3,7,8-TCDF	8.11e4	0.80	NO	0.9700	1.000	25.08	1.001	10.6	106	0.0507	10.6
9	1,2,3,7,8-PeCDF	2.81e5	1.59	NO	0.9580	1.000	29.92	1.000	55.0	110	0.108	55.0
10	2,3,4,7,8-HxCDF	3.14e5	1.54	NO	1.0074	1.000	30.93	1.001	80.6	121	0.0937	80.6
11	1,2,3,4,7,8-HxCDF	2.44e5	1.25	NO	1.1632	1.000	33.72	1.001	56.7	113	0.208	56.7
12	1,2,3,6,7,8-HxCDF	2.59e5	1.32	NO	1.1431	1.000	33.85	1.001	56.1	112	0.200	56.1
13	2,3,4,6,7,8-HxCDF	2.38e5	1.25	NO	1.2131	1.000	34.40	1.000	52.3	105	0.210	52.3
14	1,2,3,7,8,9-HxCDF	1.92e5	1.27	NO	1.1349	1.000	35.28	1.000	55.7	111	0.283	55.7
15	1,2,3,4,6,7,8-HpCDF	1.80e5	1.01	NO	1.1881	1.000	37.02	1.000	89.7	111	0.289	89.7
16	1,2,3,4,7,8,9-HpCDF	1.37e5	1.04	NO	1.3888	1.000	39.06	1.000	56.2	112	0.360	56.2
17	OCDF	2.08e5	0.90	NO	1.0614	1.000	41.66	1.000	105	105	0.320	105



SL	Name	Resp	RA	nly	RF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.24e4	0.78	NO	0.9431	1.000	26.08	1.001	10.8	106	0.0876	10.6
2	1,2,3,7,8-PeCDD	1.68e5	0.63	NO	0.8974	1.000	31.23	1.000	53.2	106	0.110	53.2
3	1,2,3,4,7,8-HxCDD	1.42e5	1.27	NO	1.1680	1.000	34.58	1.000	54.1	108	0.213	54.1
4	1,2,3,6,7,8-HxCDD	1.67e5	1.27	NO	1.0068	1.000	34.68	1.000	57.6	115	0.212	57.6
5	1,2,3,7,8,9-HxCDD	1.35e5	1.23	NO	0.9820	1.000	34.94	1.000	55.0	110	0.296	55.0
6	1,2,3,4,6,7,8-HpCDD	1.03e5	1.06	NO	1.0622	1.000	38.44	1.001	54.5	109	0.317	54.5
7	OCDD	1.57e5	0.88	NO	1.0440	1.000	41.87	1.000	106	106	0.440	106
8	2,3,7,8-TCDF	8.11e4	0.80	NO	0.9700	1.000	25.08	1.001	10.8	108	0.0507	10.8
9	1,2,3,7,8-PeCDF	2.91e5	1.59	NO	0.9590	1.000	28.92	1.000	55.0	110	0.106	55.0
10	2,3,4,7,8-PeCDF	3.14e5	1.54	NO	1.0074	1.000	30.93	1.001	60.6	121	0.0837	60.6
11	1,2,3,4,7,8-HxCDF	2.44e5	1.25	NO	1.1832	1.000	33.72	1.001	58.7	113	0.208	58.7
12	1,2,3,6,7,8-HxCDF	2.58e5	1.32	NO	1.1431	1.000	33.85	1.001	58.1	112	0.200	58.1
13	2,3,4,6,7,8-HpCDF	2.38e5	1.25	NO	1.2131	1.000	34.40	1.000	52.3	105	0.210	52.3
14	1,2,3,7,8,9-HxCDF	1.92e5	1.27	NO	1.1349	1.000	35.28	1.000	55.7	111	0.263	55.7
15	1,2,3,4,6,7,8-HpCDF	1.90e5	1.01	NO	1.1891	1.000	37.02	1.000	55.7	111	0.296	55.7
16	1,2,3,4,7,8,9-HpCDF	1.37e5	1.04	NO	1.2888	1.000	38.08	1.000	58.2	112	0.380	58.2
17	OCDF	2.09e5	0.90	NO	1.0614	1.000	41.86	1.000	105	105	0.320	105



Dataset: Untitled

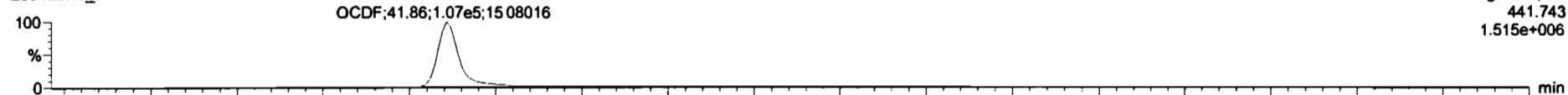
Last Altered: Wednesday, January 29, 2020 07:48:32 Pacific Standard Time

Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

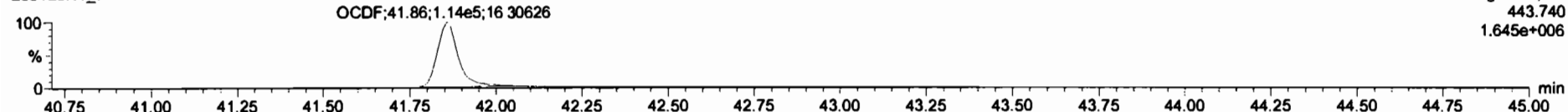
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OCDF

200128K1_7

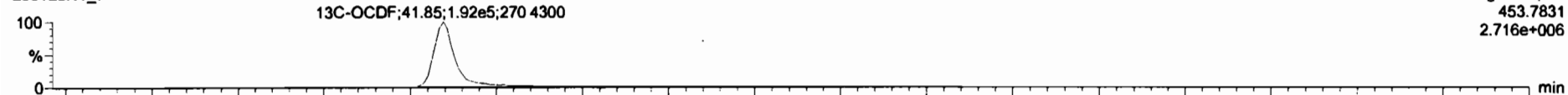


200128K1_7

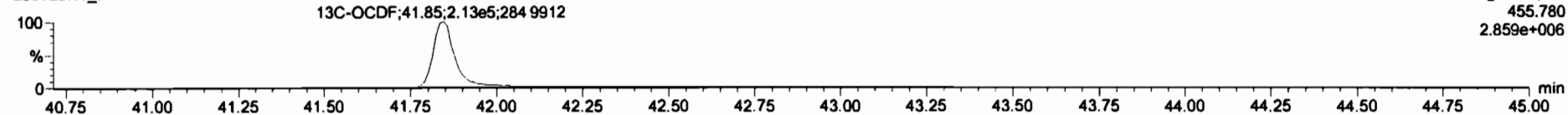


13C-OCDF

200128K1_7

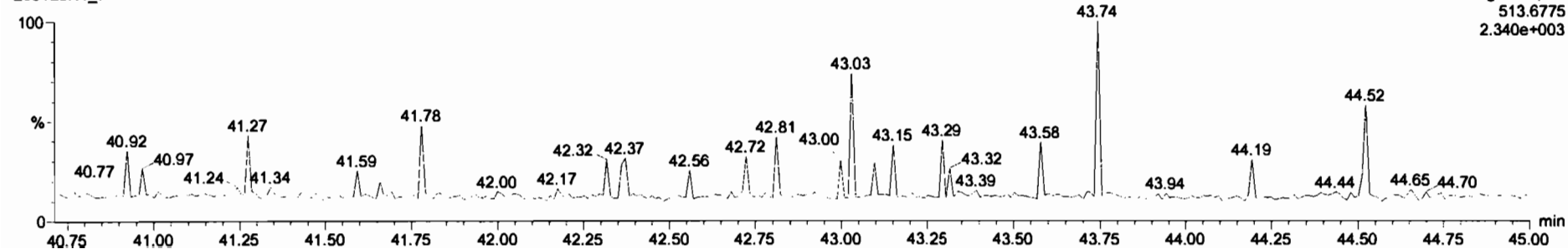


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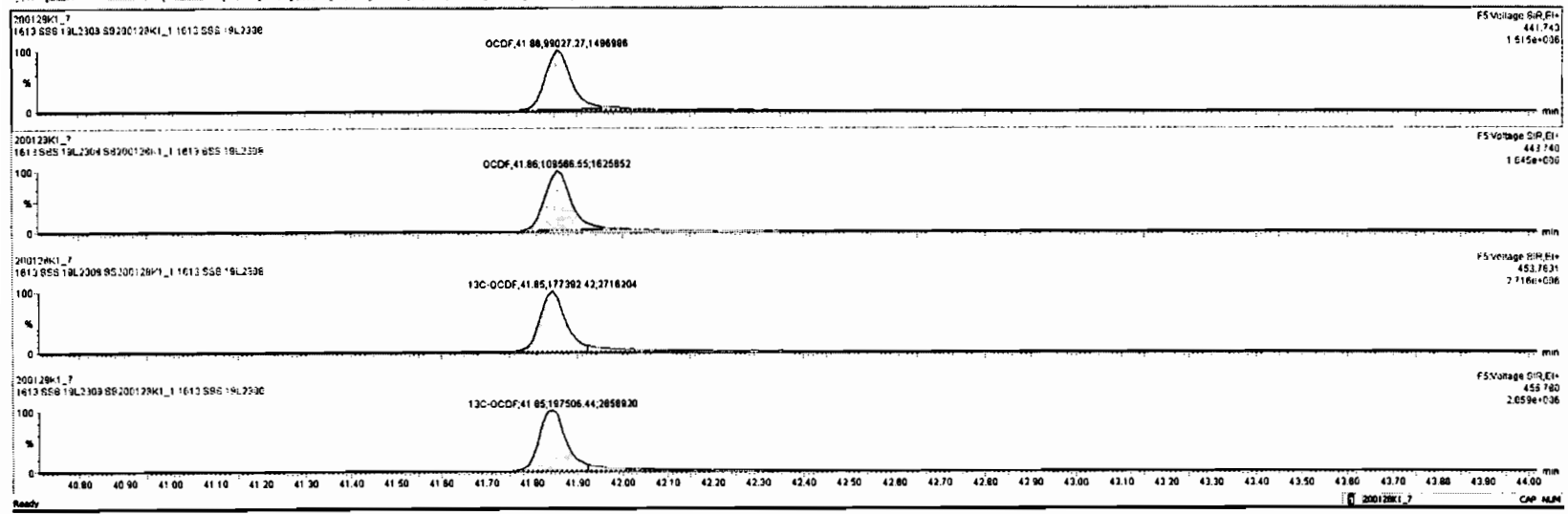


DPE5

200128K1_7



#	Name	Resp	RA	rel	RF	intVal	RT	RT1	Comp	%Rec	DL	thCPC
1	2,3,7,8-TCDD	5.24e4	0.78	NO	0.9431	1.000	26.08	1.001	10.8	108	0.0078	10.8
2	1,2,3,7,8-PeCDD	1.88e5	0.83	NO	0.8074	1.000	31.23	1.000	53.2	108	0.1110	53.2
3	1,2,3,4,7,8-HxCDD	4.42e5	1.37	NO	1.1090	1.000	34.58	1.000	54.1	108	0.213	54.1
4	1,2,3,6,7,8-HxCDD	1.87e5	1.27	NO	1.0088	1.000	34.88	1.000	57.8	115	0.212	57.8
5	1,2,3,7,8,9-HxCDD	1.35e5	1.23	NO	0.9820	1.000	34.94	1.000	56.0	110	0.236	56.0
6	1,2,3,4,6,7,8-HpCDD	1.03e5	1.08	NO	1.0822	1.000	38.44	1.001	54.5	108	0.317	54.5
7	OCDD	1.57e5	0.88	NO	1.0440	1.000	41.67	1.000	108	108	0.440	108
8	2,3,7,8-TCDF	8.11e4	0.80	NO	0.9790	1.000	26.08	1.001	10.8	108	0.0957	10.8
9	1,2,3,7,8-PeCDF	2.91e5	1.39	NO	0.9580	1.000	29.92	1.000	55.0	110	0.188	55.0
10	2,3,4,7,8-PeCDF	2.14e5	1.54	NO	1.0074	1.000	30.93	1.001	60.6	121	0.0937	60.6
11	1,2,3,4,7,8-HpCDF	2.44e5	1.25	NO	1.1822	1.000	33.72	1.001	58.7	113	0.208	58.7
12	1,2,3,6,7,8-HpCDF	2.58e5	1.32	NO	1.1431	1.000	33.86	1.001	58.1	112	0.200	58.1
13	2,3,4,6,7,8-HxCDF	2.38e5	1.25	NO	1.2131	1.000	34.40	1.000	53.3	105	0.210	53.3
14	1,2,3,7,8,9-HxCDF	1.92e5	1.27	NO	1.1348	1.000	35.28	1.000	56.7	111	0.283	56.7
15	1,2,3,4,6,7,8-HpCDF	1.92e5	1.01	NO	1.1881	1.000	37.02	1.000	56.7	111	0.288	56.7
16	1,2,3,4,7,8,9-HpCDF	1.37e5	1.04	NO	1.3898	1.000	39.08	1.000	58.2	112	0.380	58.2
17	OCDF	2.08e5	0.80	NO	1.0814	1.000	41.88	1.000	108	108	0.228	108

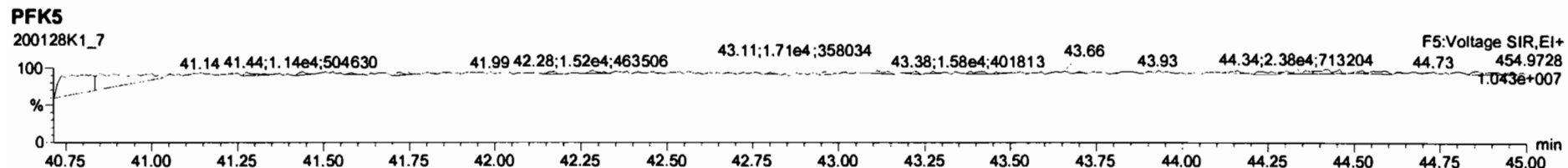
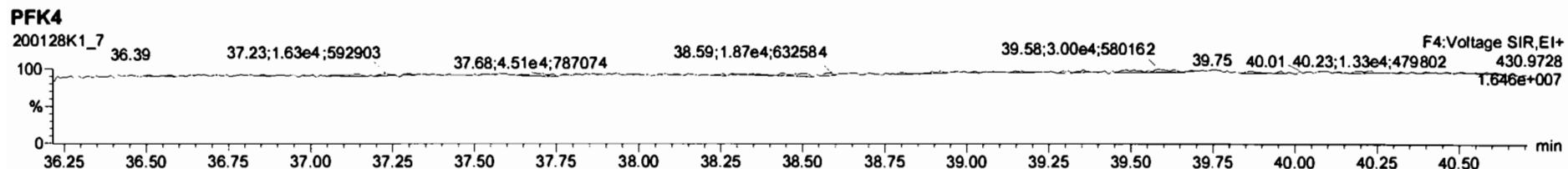
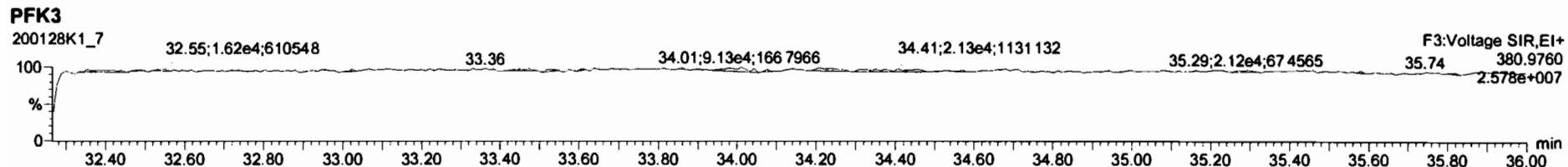
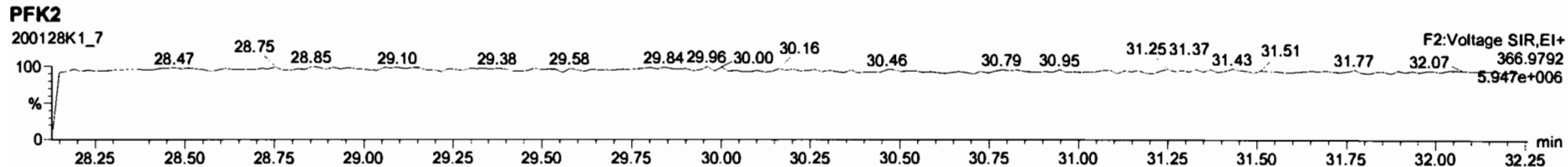
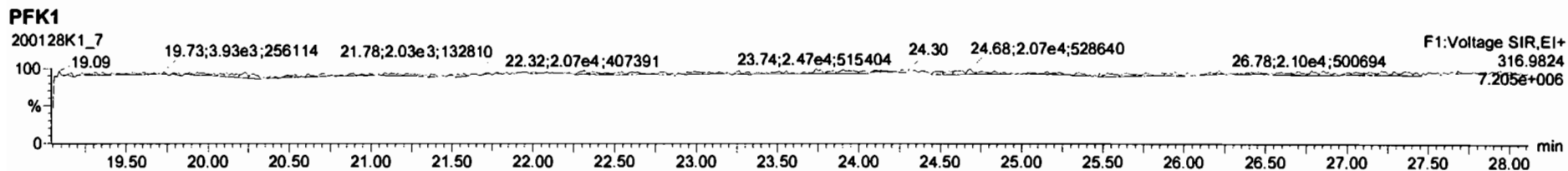


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Last Altered: Wednesday, January 29, 2020 07:48:32 Pacific Standard Time

Printed: Wednesday, January 29, 2020 07:49:43 Pacific Standard Time

Name: 200128K1_7, Date: 28-Jan-2020, Time: 16:57:48, ID: SS200128K1_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308



Dataset: U:\VG11.PRO\Results\200130K1\200130K1-CRV.qld

Last Altered: Friday, January 31, 2020 07:22:32 Pacific Standard Time
 Printed: Friday, January 31, 2020 07:33:20 Pacific Standard Time

HC 1-31-2020 CT 01/31/2020

Method: U:\VG11.PRO\MethDB\tcdf.mdb 06 May 2019 14:09:24
 Calibration: U:\VG11.PRO\CurveDB\db225_1613TCDFvg11-1-30-20.cdb 31 Jan 2020 07:22:32

Compound name: 2,3,7,8-TCDF
 Response Factor: 1.00044
 RRF SD: 0.0660431, Relative SD: 6.60142
 Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
 Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200130K1_2	0.250	0.75	NO	16.38	1.001	6.78e3	2.41e6	0.281	12.4	1.12	MM
200130K1_3	0.500	0.84	NO	16.39	1.001	1.43e4	2.95e6	0.485	-3.0	0.971	MM
200130K1_4	2.00	0.75	NO	16.38	1.001	5.51e4	2.68e6	2.05	2.6	1.03	bb
200130K1_5	10.0	0.77	NO	16.38	1.001	2.83e5	2.97e6	9.53	-4.7	0.953	bb
200130K1_6	40.0	0.78	NO	16.38	1.001	8.24e5	2.15e6	38.4	-4.0	0.961	bb
200130K1_7	300	0.78	NO	16.37	1.001	5.17e6	1.78e6	290	-3.4	0.967	bb

Compound name: 13C-2,3,7,8-TCDF
 Response Factor: 1.0704
 RRF SD: 0.0793967, Relative SD: 7.41747
 Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)
 Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
200130K1_2	100	0.79	NO	16.37	1.132	2.41e6	2.02e6	111	11.5	1.19	bb
200130K1_3	100	0.79	NO	16.38	1.132	2.95e6	2.90e6	94.9	-5.1	1.02	bb
200130K1_4	100	0.80	NO	16.35	1.131	2.68e6	2.75e6	91.2	-8.8	0.976	bb
200130K1_5	100	0.79	NO	16.35	1.131	2.97e6	2.73e6	102	1.6	1.09	bb
200130K1_6	100	0.78	NO	16.35	1.131	2.15e6	1.91e6	105	4.7	1.12	bb
200130K1_7	100	0.78	NO	16.35	1.132	1.78e6	1.73e6	96.1	-3.9	1.03	bb

Dataset: U:\VG11.PRO\Results\200130K1\200130K1-CRV.qld

Last Altered: Friday, January 31, 2020 07:22:32 Pacific Standard Time
 Printed: Friday, January 31, 2020 07:33:20 Pacific Standard Time

Compound name: 13C-1,2,3,4-TCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200130K1_2	100	0.79	NO	14.46	1.000	2.02e6	2.02e6	100	0.0	1.00	bb
2	200130K1_3	100	0.79	NO	14.47	1.000	2.90e6	2.90e6	100	0.0	1.00	bb
3	200130K1_4	100	0.79	NO	14.46	1.000	2.75e6	2.75e6	100	0.0	1.00	bb
4	200130K1_5	100	0.80	NO	14.46	1.000	2.73e6	2.73e6	100	0.0	1.00	bb
5	200130K1_6	100	0.79	NO	14.46	1.000	1.91e6	1.91e6	100	0.0	1.00	bb
6	200130K1_7	100	0.80	NO	14.45	1.000	1.73e6	1.73e6	100	0.0	1.00	bb

Compound name: 13C-1,2,3,4-TCDD

No Calibration

Response type: External Std, Area

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200130K1_2	0.000	0.80	NO	15.11	0.000	1.41e6				0.000	db
2	200130K1_3	0.000	0.85	NO	15.13	0.000	2.05e6				0.000	db
3	200130K1_4	0.000	0.76	NO	15.11	0.000	1.85e6				0.000	db
4	200130K1_5	0.000	0.80	NO	15.11	0.000	1.88e6				0.000	db
5	200130K1_6	0.000	0.81	NO	15.11	0.000	1.30e6				0.000	dd
6	200130K1_7	0.000	0.80	NO	15.11	0.000	1.22e6				0.000	db

Dataset: Untitled

Last Altered: Friday, January 31, 2020 9:39:56 AM Pacific Standard Time
Printed: Friday, January 31, 2020 9:40:16 AM Pacific Standard Time

Method: U:\VG11.PRO\MethDB\cdf.mdb 31 Jan 2020 07:42:36
Calibration: U:\VG11.PRO\CurveDB\db225_1613TCDFvg11-1-30-20.cdb 31 Jan 2020 07:22:32

Compound name: 2,3,7,8-TCDF

	Name	ID	Acq.Date	Acq.Time
1	200130K1_1	CP200130K1-1 225 CPSM	30-Jan-20	17:33:37
2	200130K1_2	ST200130K1-1 1613 CS0 19L2302	30-Jan-20	18:05:16
3	200130K1_3	ST200130K1-2 1613 CS1 19L2303	30-Jan-20	18:41:12
4	200130K1_4	ST200130K1-3 1613 CS2 19L2304	30-Jan-20	19:11:58
5	200130K1_5	ST200130K1-4 1613 CS3 19L2305	30-Jan-20	19:43:17
6	200130K1_6	ST200130K1-5 1613 CS4 19L2306	30-Jan-20	20:14:31
7	200130K1_7	ST200130K1-6 1613 CS5 19L2307	30-Jan-20	20:45:48
8	200130K1_8	SOLVENT BLANK	30-Jan-20	21:17:05
9	200130K1_9	SS200130K1-1 1613 SSS 19L2308	30-Jan-20	21:48:22
10	200130K1_10	SOLVENT BLANK	30-Jan-20	22:20:43
11	200130K1_11	1904009-10RE3 PX-S23-SS48-0001 19.35	30-Jan-20	22:51:01
12	200130K1_12	1903973-08RE2 NEP C_20191101 12.52	30-Jan-20	23:23:16
13	200130K1_13	1903973-10RE2 SR B_20191101 12.35	30-Jan-20	23:53:32
14	200130K1_14	B0A0018-DUP1 Duplicate 17.02	31-Jan-20	00:24:48
15	200130K1_15	1903650-03RE1 PDI-066SC-B-04-06-191011 ...	31-Jan-20	00:56:04
16	200130K1_16	1903650-05RE1 PDI-088SC-B-00-02-191011 ...	31-Jan-20	01:28:40
17	200130K1_17	1903650-06RE1 PDI-088SC-B-02-04-191011 ...	31-Jan-20	02:00:12
18	200130K1_18	1903650-07RE1 PDI-088SC-B-04-06-191011 ...	31-Jan-20	02:31:25
19	200130K1_19	1903650-08RE1 PDI-088SC-B-06-08-191011 ...	31-Jan-20	03:01:48
20	200130K1_20	1903650-09RE1 PDI-1088SC-B-04-06-191011...	31-Jan-20	03:33:07
21	200130K1_21	1903650-10RE1 PDI-092SC-B-00-02-191011 ...	31-Jan-20	04:04:26
22	200130K1_22	1903650-11RE1 PDI-092SC-B-02-04-191011 ...	31-Jan-20	04:35:45
23	200130K1_23	1903650-12RE1 PDI-092SC-B-04-06-191011 ...	31-Jan-20	05:07:04
24	200130K1_24	1903650-02RE1 PDI-066SC-B-02-04-191011 ...	31-Jan-20	05:38:22
25	200130K1_25	1903650-01RE1 PDI-066SC-B-00-02-191011 ...	31-Jan-20	06:11:05
26	200130K1_26	1904207-04RE2 PDI-076SC-A-05-06-191013 ...	31-Jan-20	06:42:36
27	200130K1_27	SOLVENT BLANK	31-Jan-20	07:15:42
28	200130K1_28	SOLVENT BLANK	31-Jan-20	07:46:00
29	200130K1_29	ST200130K1-7 1613 CS3 19L2305	31-Jan-20	08:17:16
30	200130K1_30	CP200130K1-2 225 CPSM	31-Jan-20	08:48:34

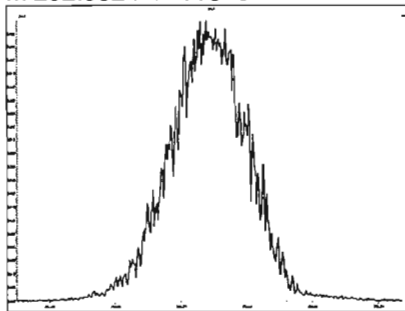
Experiment Calibration Report

MassLynx 4.1 SCN815

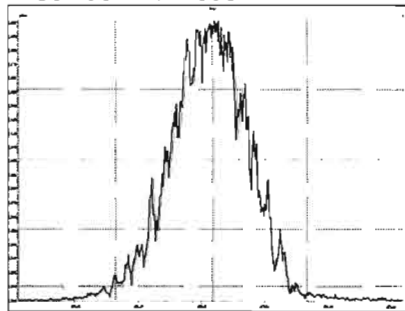
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Printed: Thursday, January 30, 2020 17:31:13 Pacific Standard Time

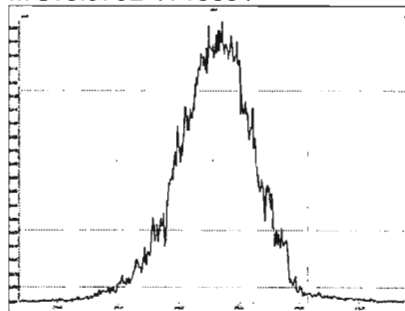
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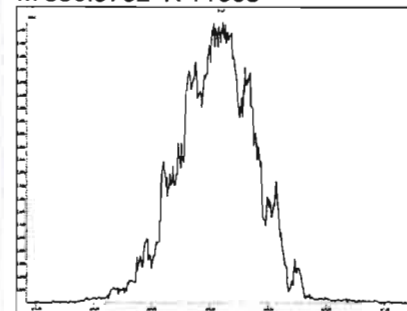
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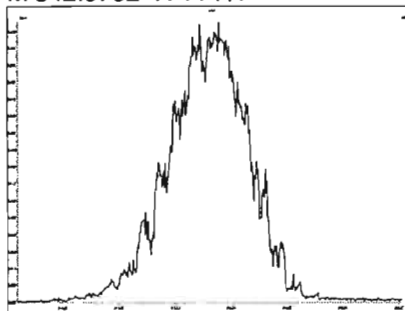
M 318.9792 R 10684



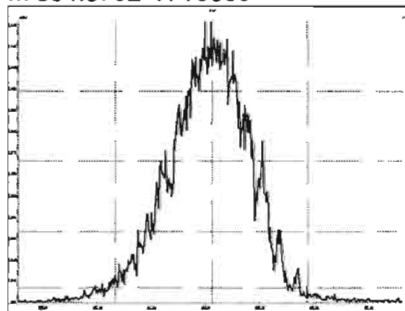
M 330.9792 R 11903



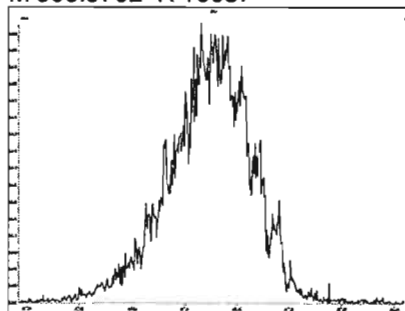
M 342.9792 R 11417



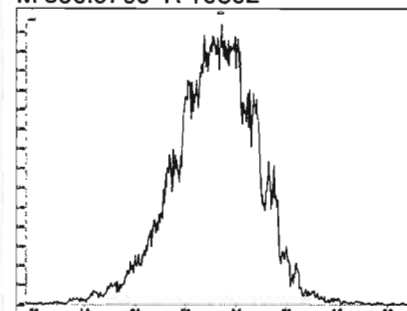
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M 366.9792 R 10637



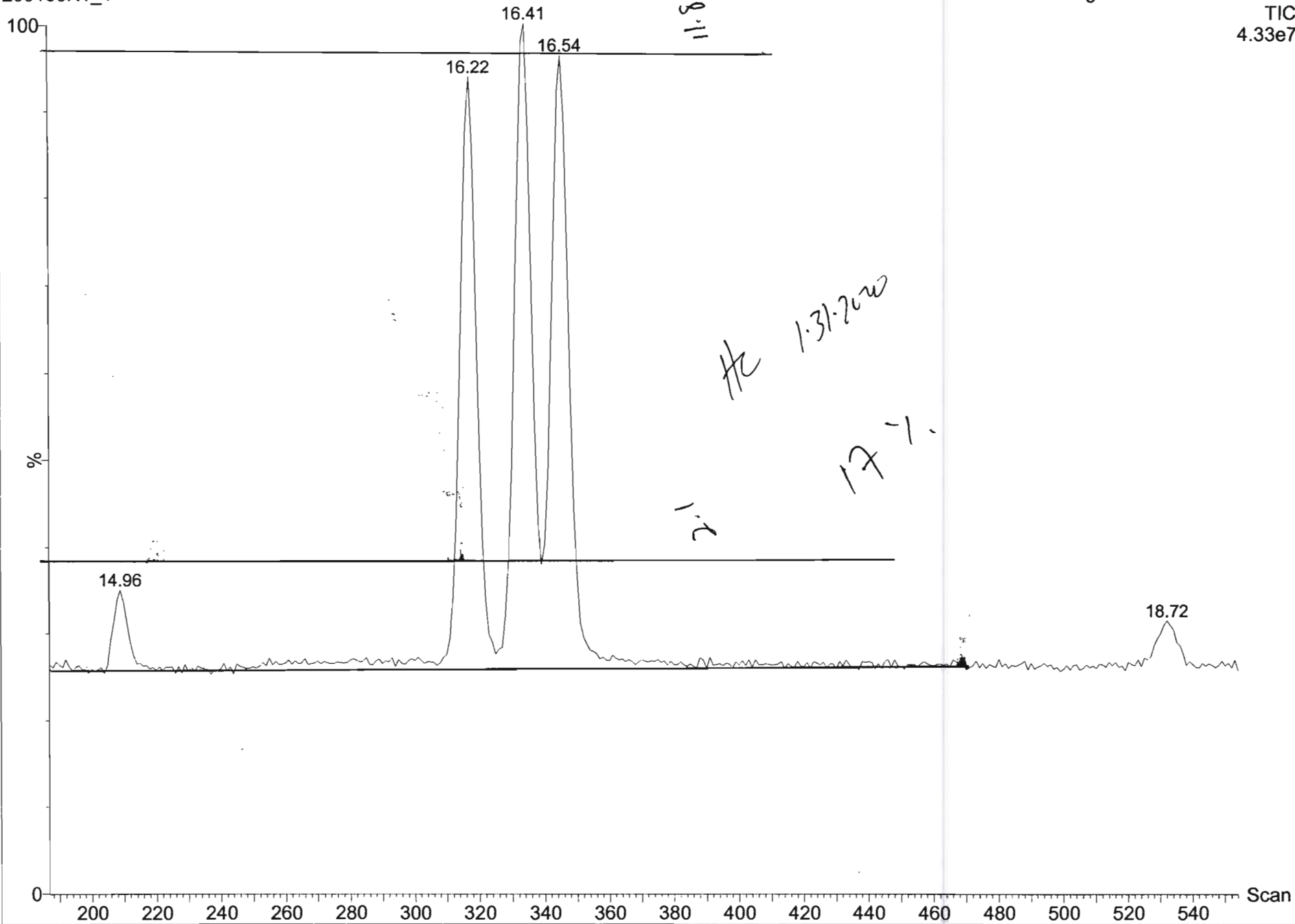
M 380.9760 R 10502



225 CPSM
200130K1_1

M658

30-Jan-2020 17:33:37
Voltage SIR 12 Channels EI+
TIC
4.33e7



Dataset: Untitled

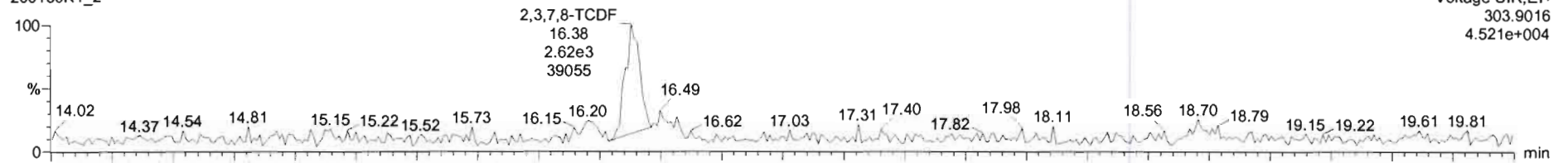
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Method: U:\VG11.PRO\MethDB\tcdf.mdb 06 May 2019 14:09:24
Calibration: U:\VG11.PRO\CurveDB\db225_1613TCDFvg11-1-30-20.cdb 31 Jan 2020 07:22:32

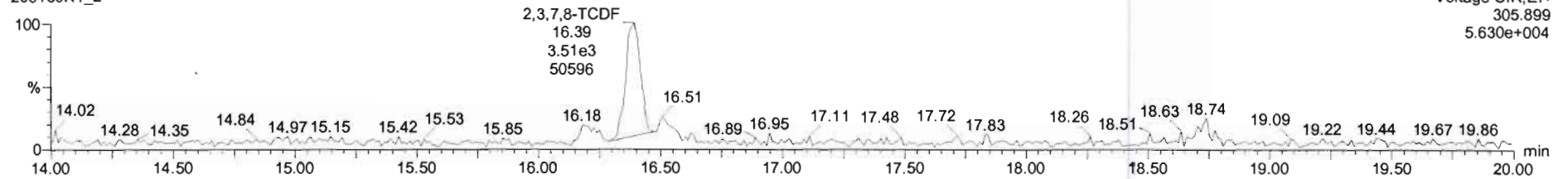
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2,3,7,8-TCDF

200130K1_2

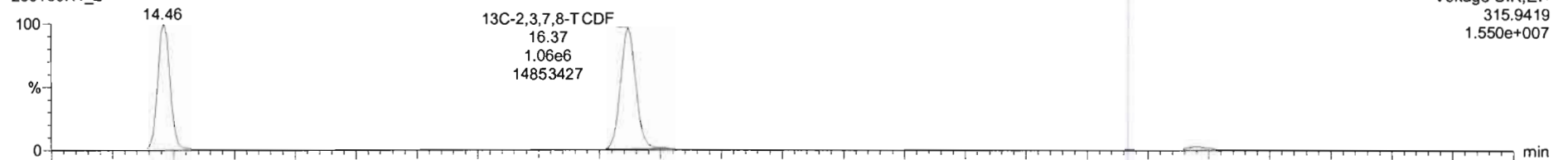


200130K1_2

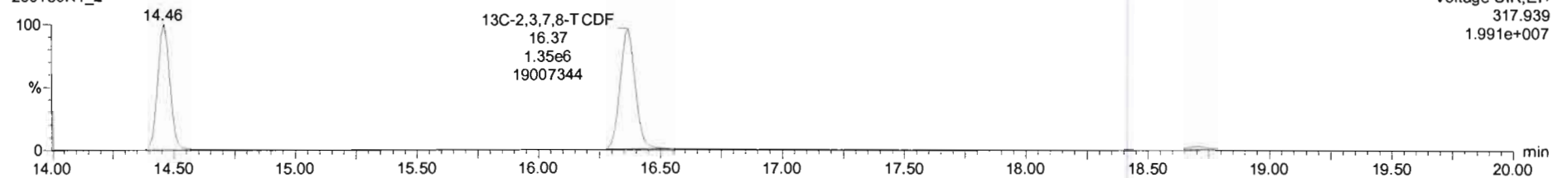


13C-2,3,7,8-TCDF

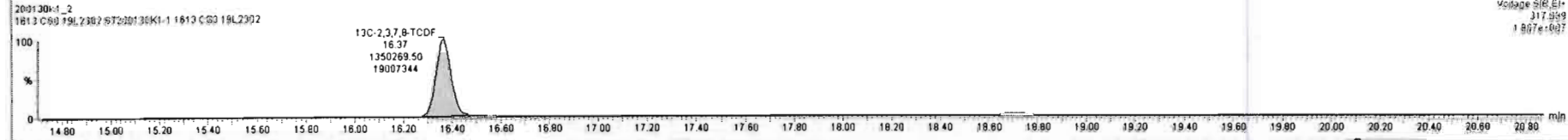
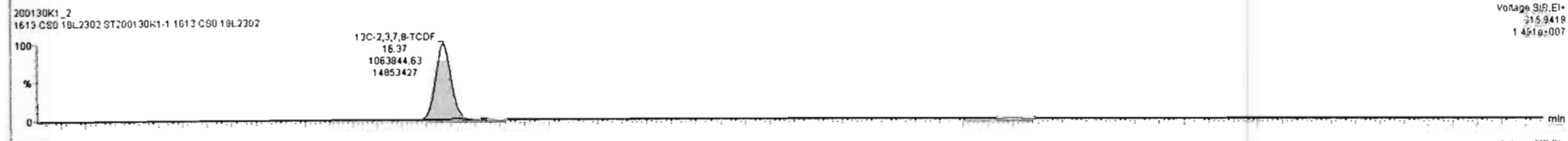
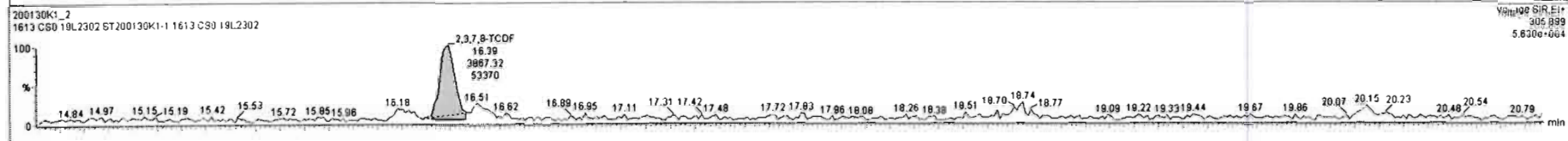
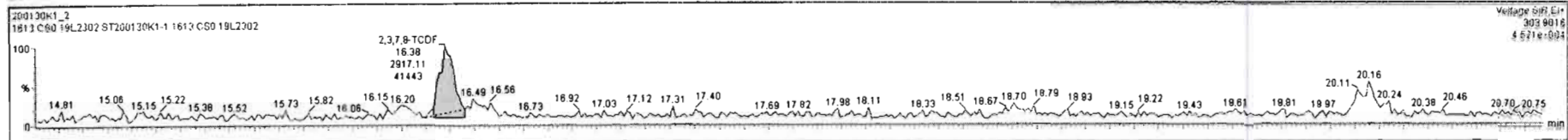
200130K1_2



200130K1_2



Sl	Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDF	6.78e3	0.75	NO	1.00	1.000	16.38	1.001	0.281	112	0.0535	0.281
2	13C-2,3,7,8-TCDF	2.41e6	0.79	NO	1.07	1.000	16.37	1.132	111	111	0.165	
3	13C-1,2,3,4-TCDF	2.02e6	0.79	NO	1.00	1.000	14.46	1.000	100	100	0.176	
4	13C-1,2,3,4-TCDD	1.41e6	0.80	NO		1.000	15.11	0.000				
5	PFK1					1.000						
6	DPK1					1.000						



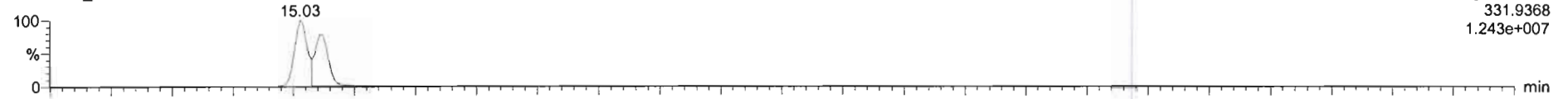
Dataset: Untitled

Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

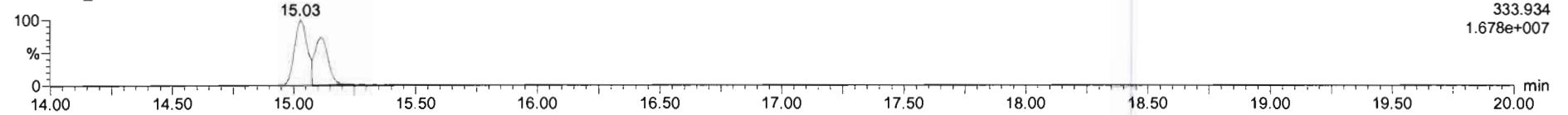
Name: 200130K1_2, Date: 30-Jan-2020, Time: 18:05:16, ID: ST200130K1-1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

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

200130K1_2

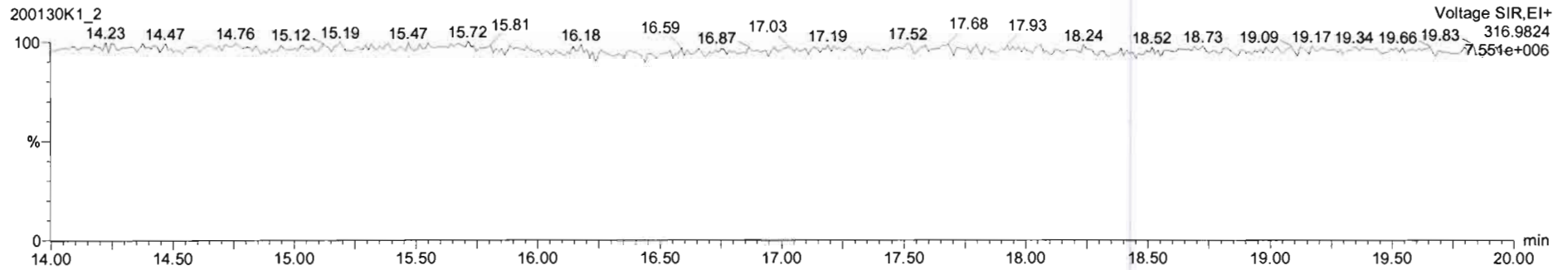


200130K1_2



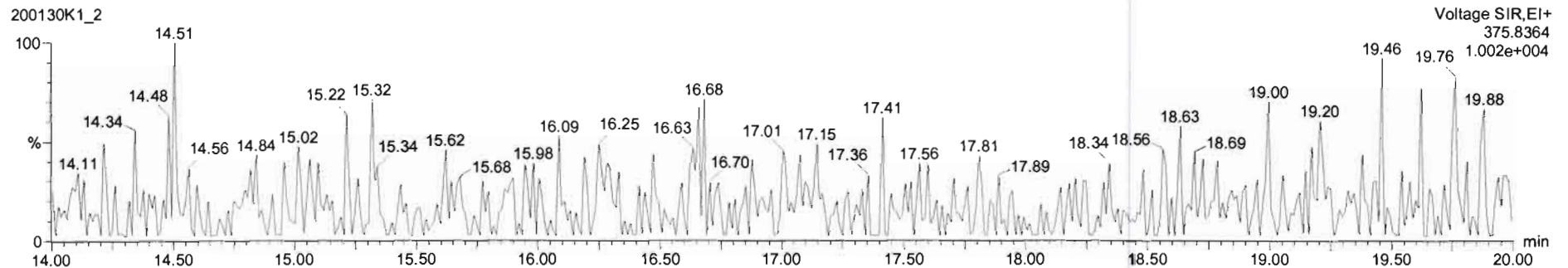
PFK1

200130K1_2



DPE1

200130K1_2



Dataset: Untitled

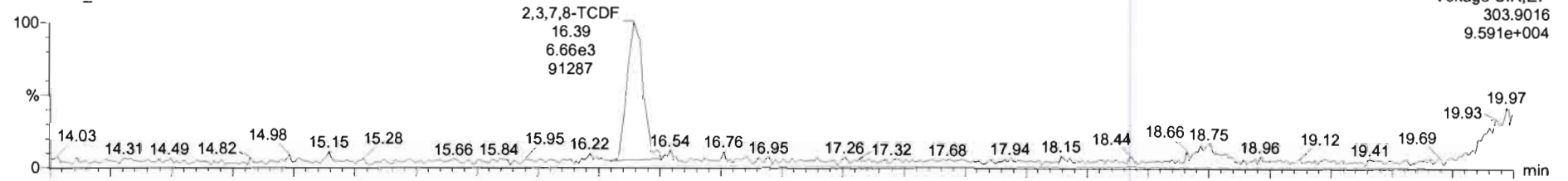
Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time

Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

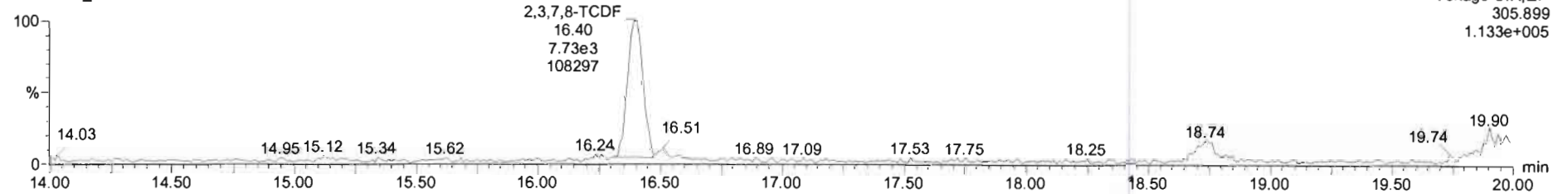
Name: 200130K1_3, Date: 30-Jan-2020, Time: 18:41:12, ID: ST200130K1-2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

2,3,7,8-TCDF

200130K1_3

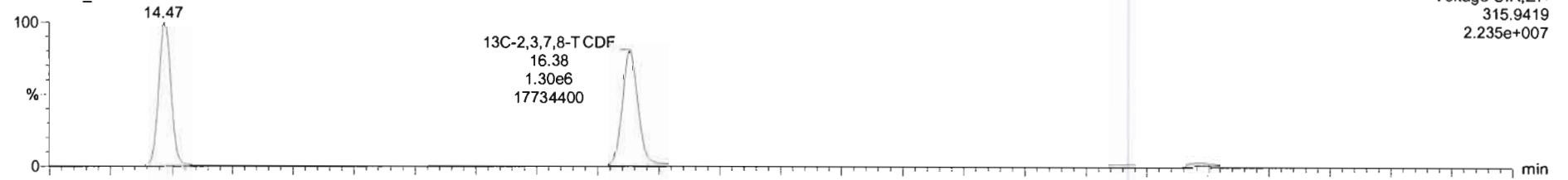


200130K1_3

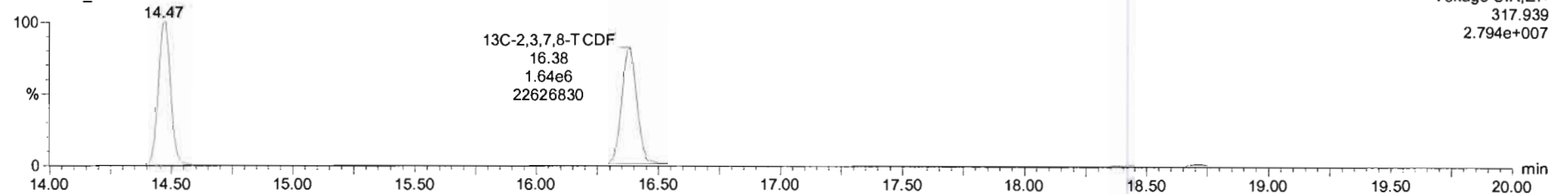


13C-2,3,7,8-TCDF

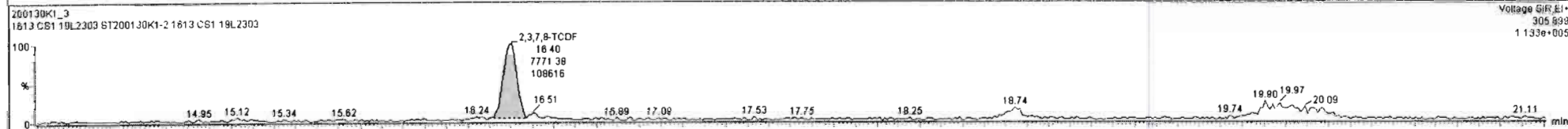
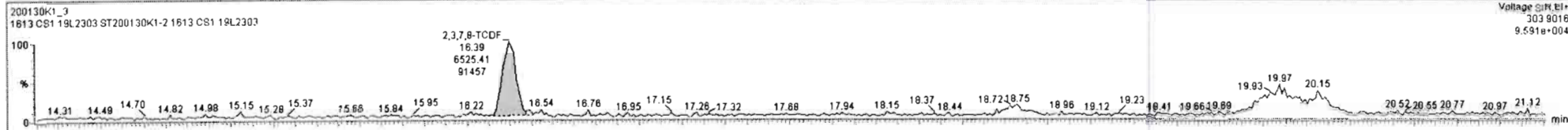
200130K1_3



200130K1_3



Name	Resp	RA	nly	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDF	1.43e4	0.84	NO	1.00	1.000	16.39	1.001	0.485	97.0	0.0476	0.485
2 13C-2,3,7,8-TCDF	2.95e6	0.79	NO	1.07	1.000	16.38	1.132	94.9	94.9	0.110	
3 13C-1,2,3,4-TCDF	2.90e6	0.79	NO	1.00	1.000	14.47	1.000	100	100	0.117	
4 13C-1,2,3,4-TCDD	2.05e6	0.85	NO		1.000	15.13	0.000				
5 PFK1					1.000						
6 DPE1					1.000						



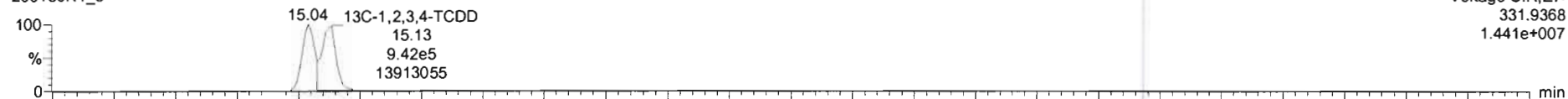
Dataset: Untitled

Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

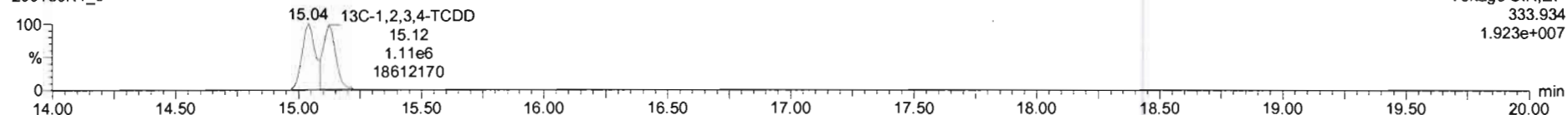
Name: 200130K1_3, Date: 30-Jan-2020, Time: 18:41:12, ID: ST200130K1-2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

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

200130K1_3

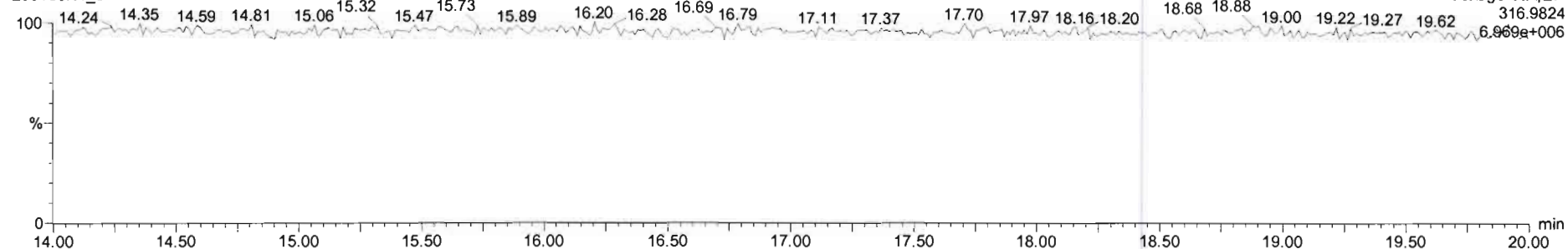


200130K1_3



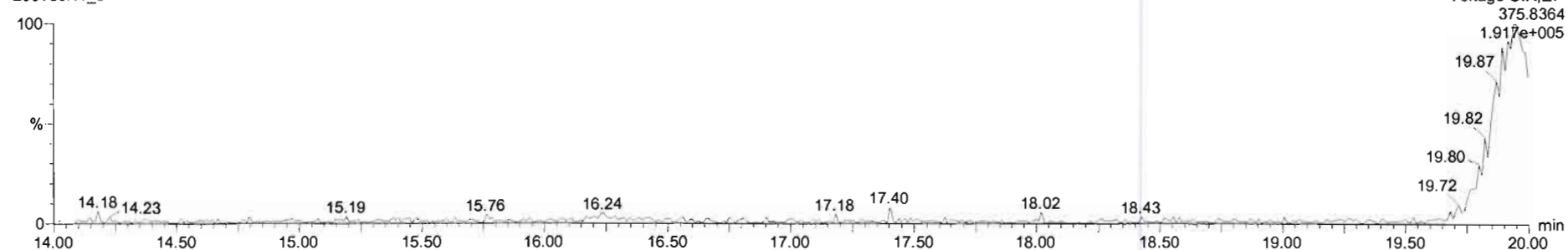
PFK1

200130K1_3



DPE1

200130K1_3



Dataset: Untitled

Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time

Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

Name: 200130K1_4, Date: 30-Jan-2020, Time: 19:11:58, ID: ST200130K1-3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

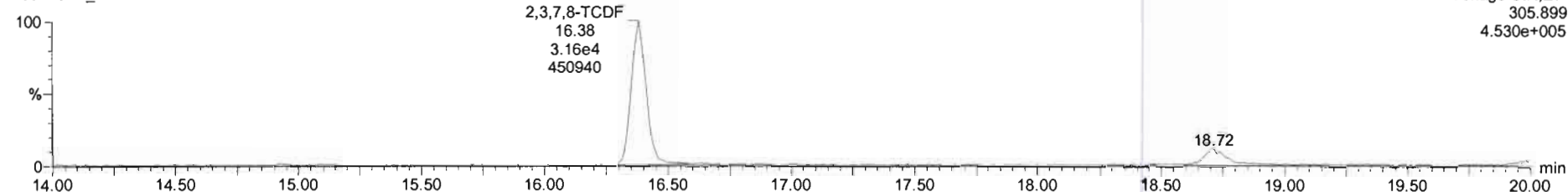
2,3,7,8-TCDF

200130K1_4



Voltage SIR,EI+
303.9016
3.307e+005

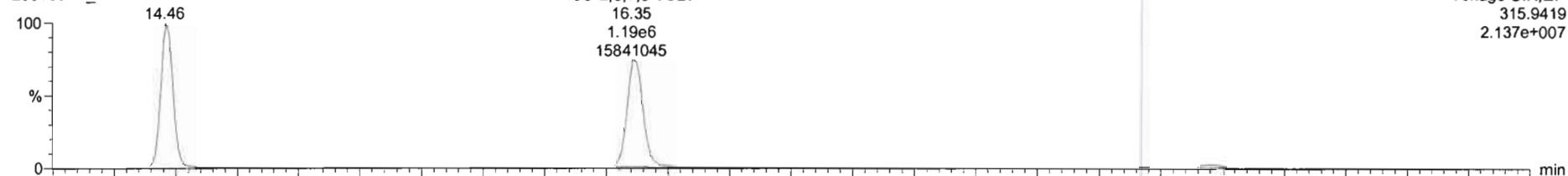
200130K1_4



Voltage SIR,EI+
305.899
4.530e+005

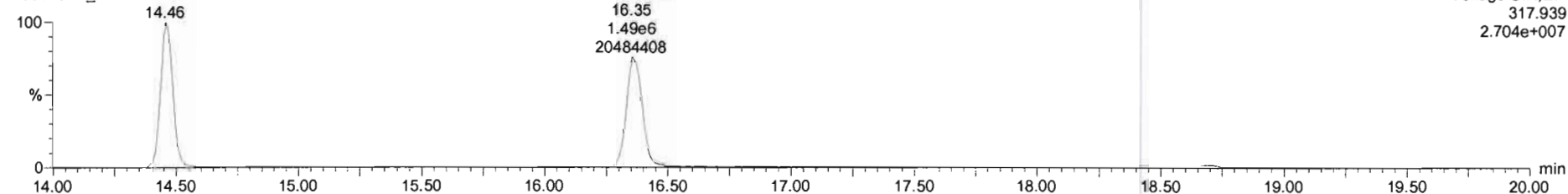
13C-2,3,7,8-TCDF

200130K1_4



Voltage SIR,EI+
315.9419
2.137e+007

200130K1_4



Voltage SIR,EI+
317.939
2.704e+007

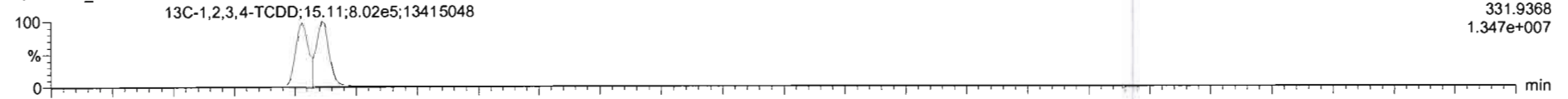
Dataset: Untitled

Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

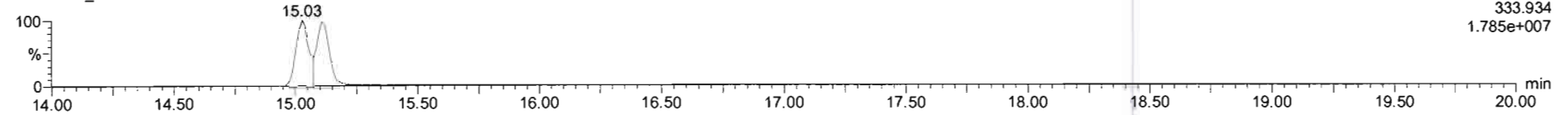
Name: 200130K1_4, Date: 30-Jan-2020, Time: 19:11:58, ID: ST200130K1-3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

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

200130K1_4

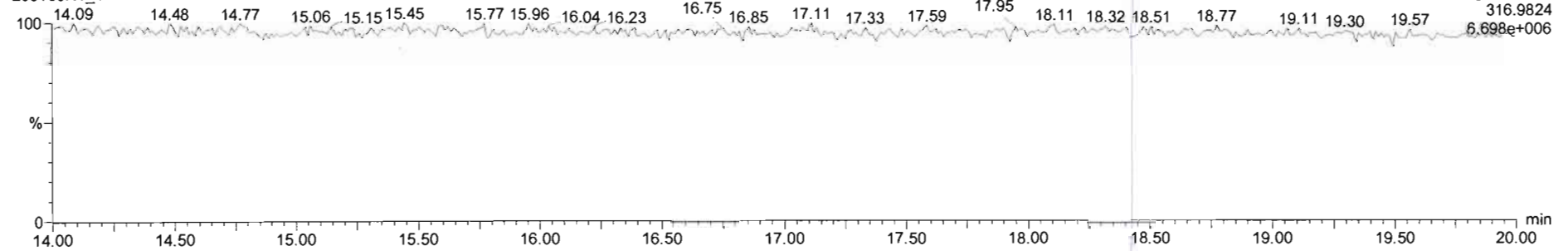


200130K1_4



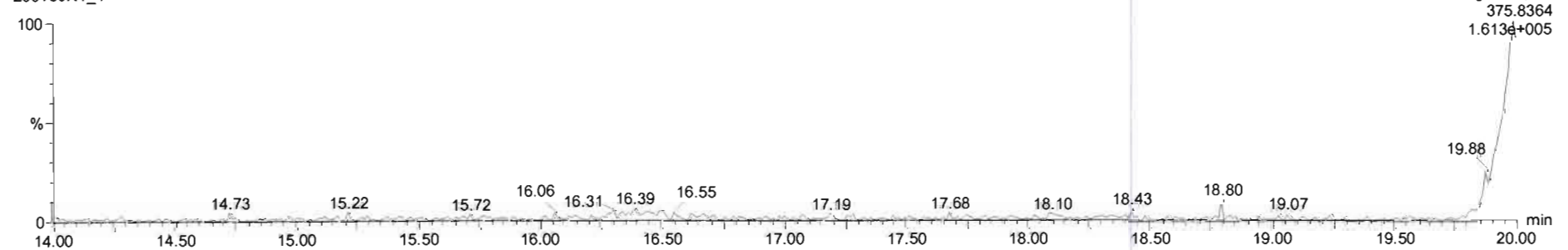
PFK1

200130K1_4



DPE1

200130K1_4



Dataset: Untitled

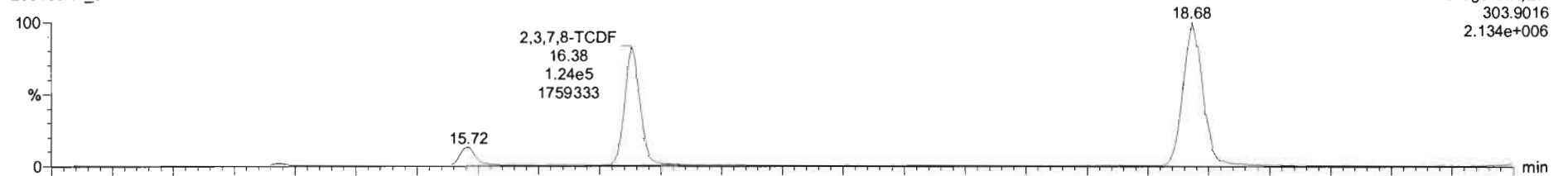
Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time

Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

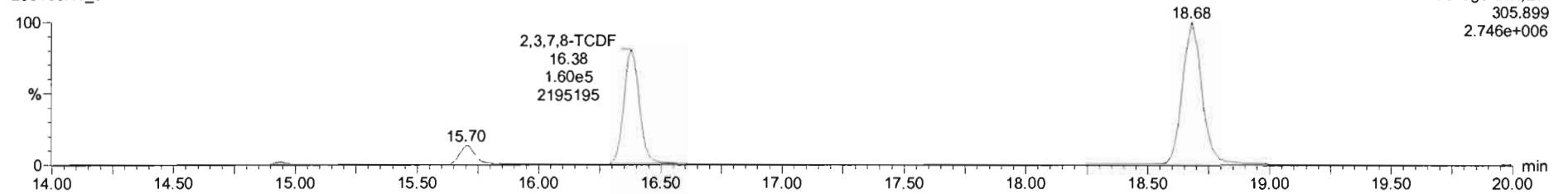
Name: 200130K1_5, Date: 30-Jan-2020, Time: 19:43:17, ID: ST200130K1-4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDF

200130K1_5

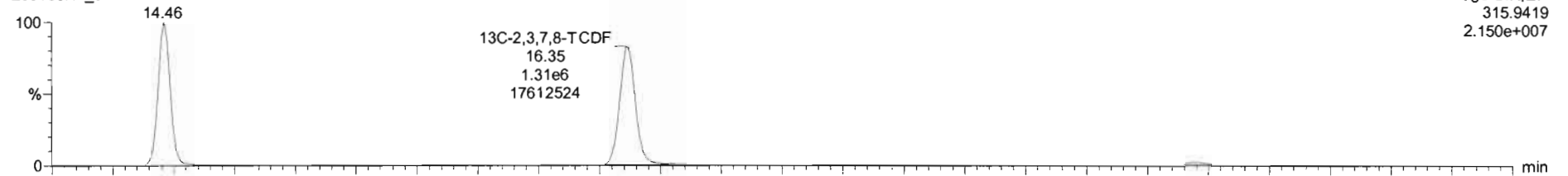


200130K1_5

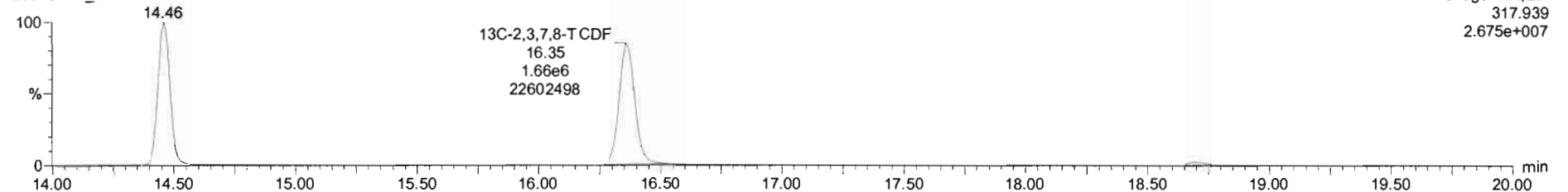


13C-2,3,7,8-TCDF

200130K1_5



200130K1_5



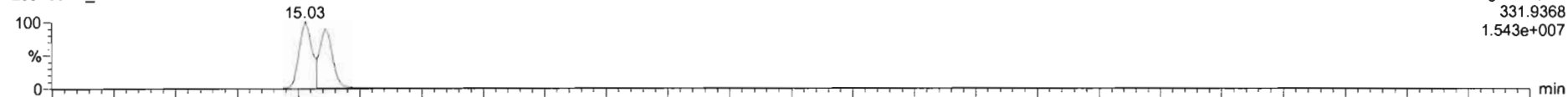
Dataset: Untitled

Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

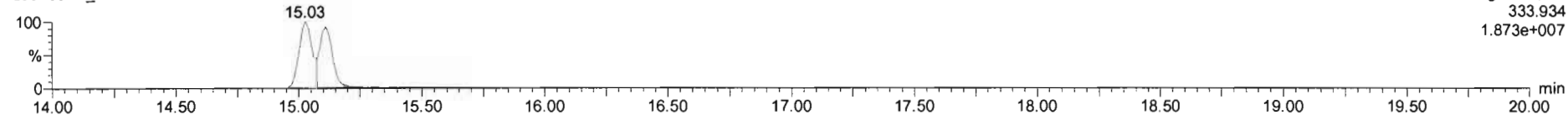
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13C-1,2,3,4-TCDD

200130K1_5

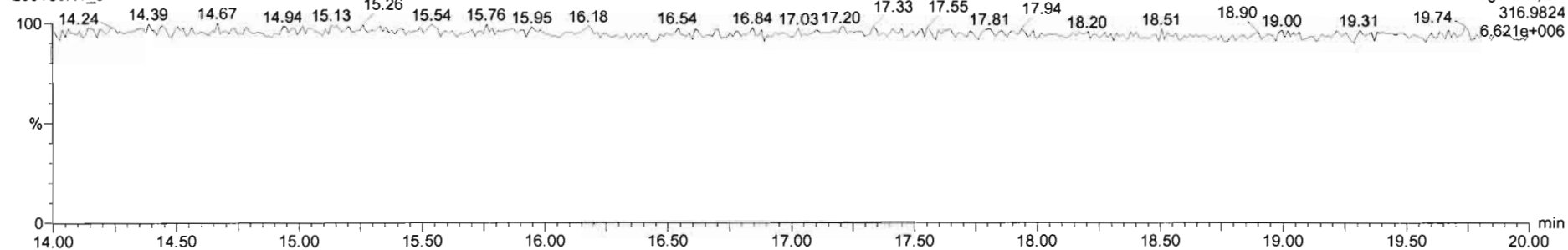


200130K1_5



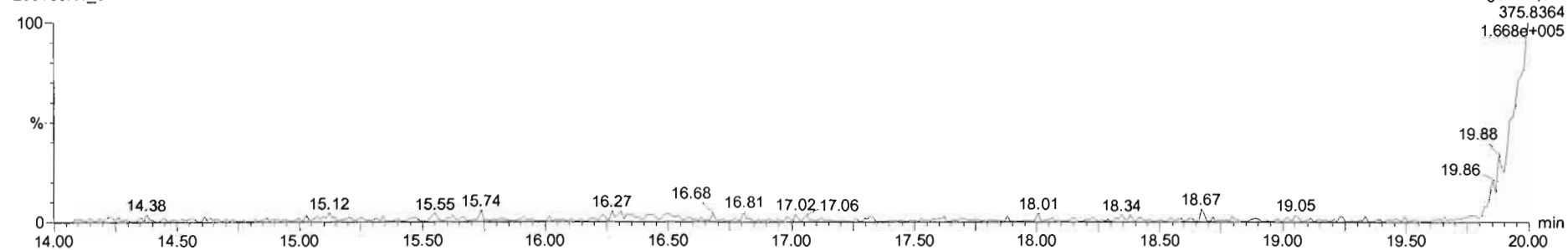
PFK1

200130K1_5



DPE1

200130K1_5



Dataset: Untitled

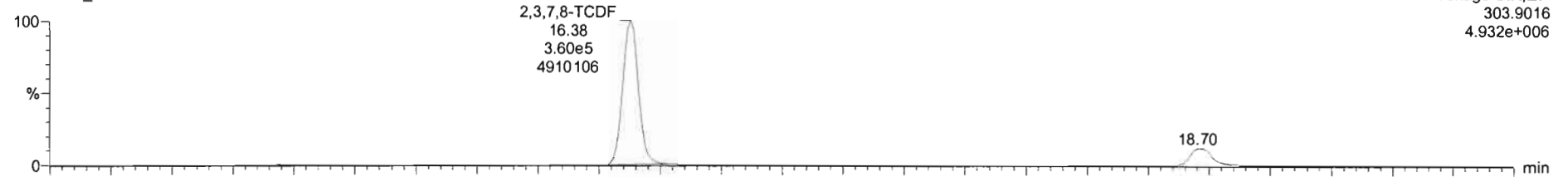
Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time

Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

Name: 200130K1_6, Date: 30-Jan-2020, Time: 20:14:31, ID: ST200130K1-5 1613 CS4 19L2306, Description: 1613 CS4 19L2306

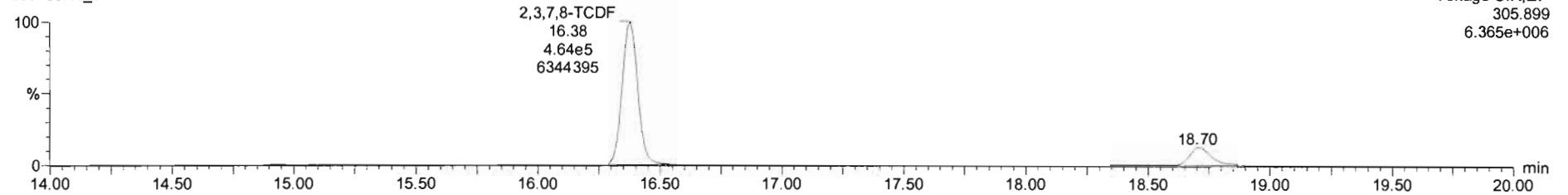
2,3,7,8-TCDF

200130K1_6



Voltage SIR,EI+
303.9016
4.932e+006

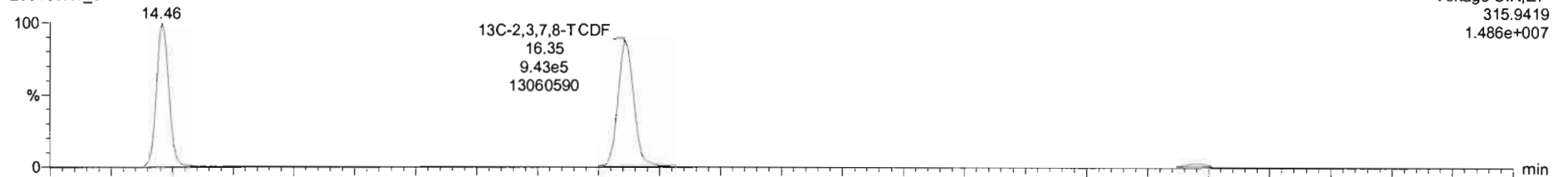
200130K1_6



Voltage SIR,EI+
305.899
6.365e+006

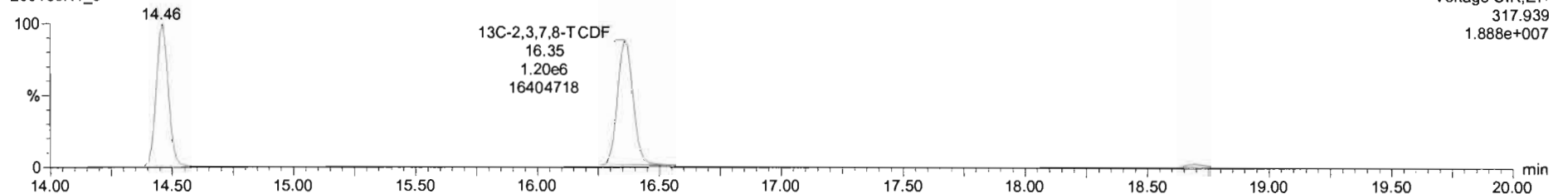
13C-2,3,7,8-TCDF

200130K1_6



Voltage SIR,EI+
315.9419
1.486e+007

200130K1_6



Voltage SIR,EI+
317.939
1.888e+007

Dataset: Untitled

Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time

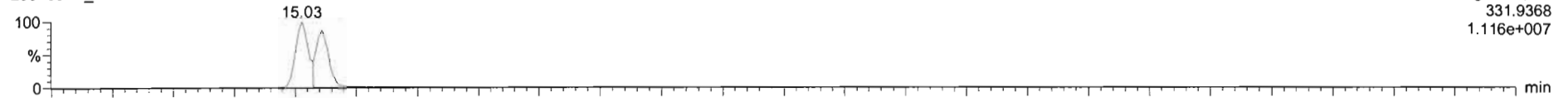
Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

Name: 200130K1_6, Date: 30-Jan-2020, Time: 20:14:31, ID: ST200130K1-5 1613 CS4 19L2306, Description: 1613 CS4 19L2306

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

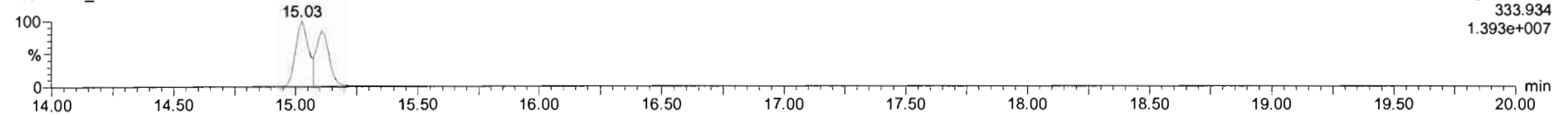
200130K1_6

Voltage SIR,EI+
331.9368
1.116e+007



200130K1_6

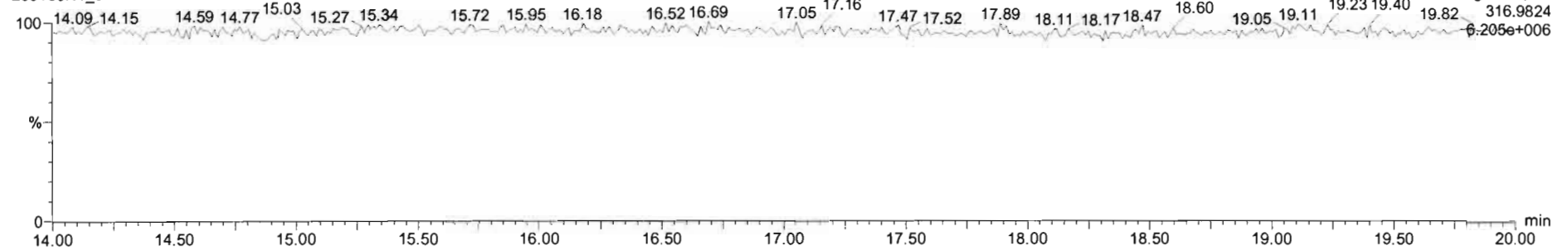
Voltage SIR,EI+
333.934
1.393e+007



PFK1

200130K1_6

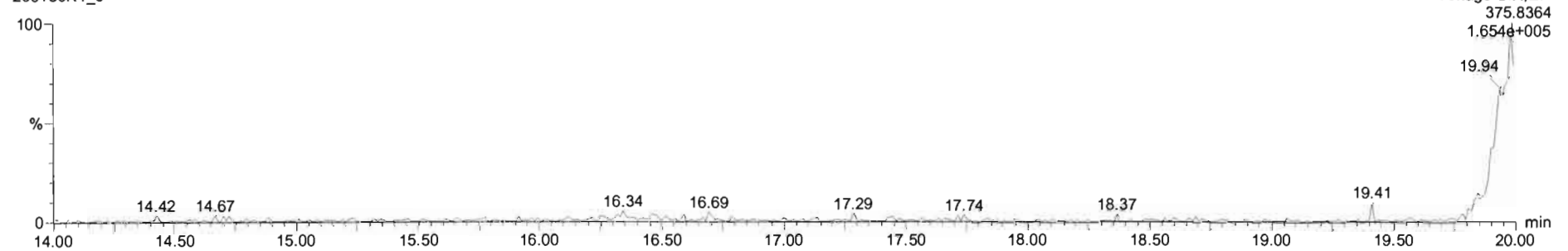
Voltage SIR,EI+
316.9824
6.205e+006



DPE1

200130K1_6

Voltage SIR,EI+
375.8364
1.654e+005



Dataset: Untitled

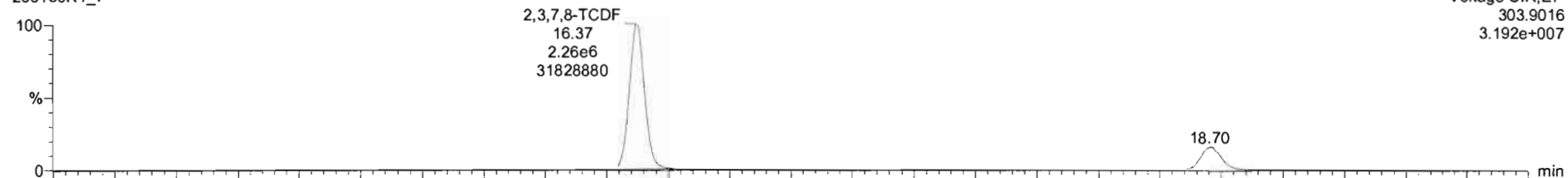
Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time

Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

Name: 200130K1_7, Date: 30-Jan-2020, Time: 20:45:48, ID: ST200130K1-6 1613 CS5 19L2307, Description: 1613 CS5 19L2307

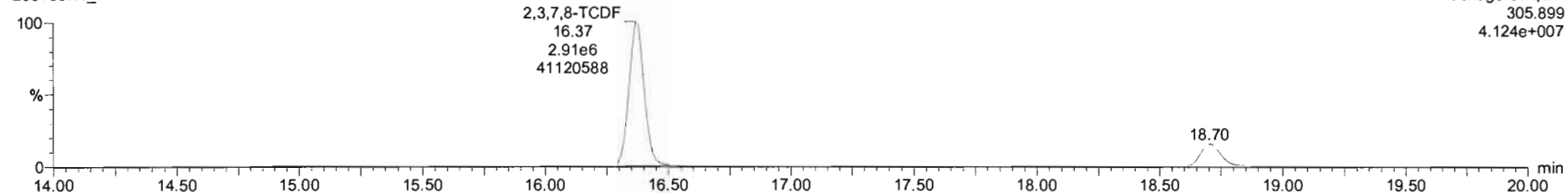
2,3,7,8-TCDF

200130K1_7



Voltage SIR,EI+
303.9016
3.192e+007

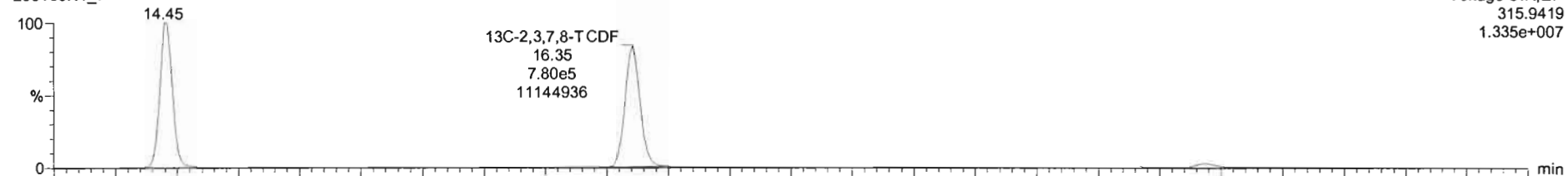
200130K1_7



Voltage SIR,EI+
305.899
4.124e+007

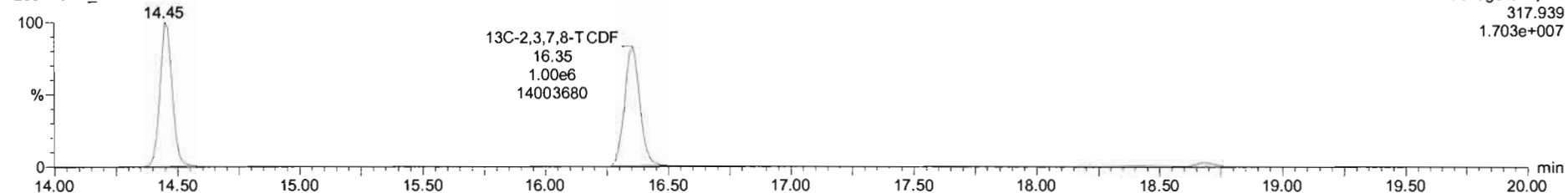
13C-2,3,7,8-TCDF

200130K1_7



Voltage SIR,EI+
315.9419
1.335e+007

200130K1_7



Voltage SIR,EI+
317.939
1.703e+007

Dataset: Untitled

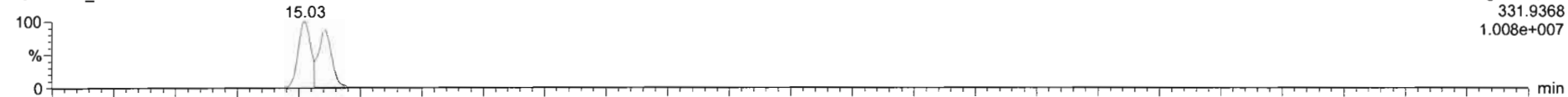
Last Altered: Friday, January 31, 2020 07:25:32 Pacific Standard Time

Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

Name: 200130K1_7, Date: 30-Jan-2020, Time: 20:45:48, ID: ST200130K1-6 1613 CS5 19L2307, Description: 1613 CS5 19L2307

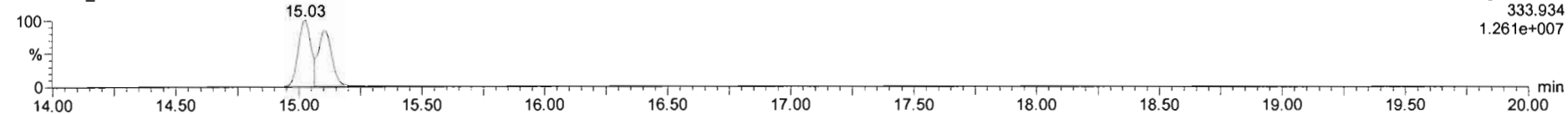
13C-1,2,3,4-TCDD

200130K1_7



Voltage SIR,EI+
331.9368
1.008e+007

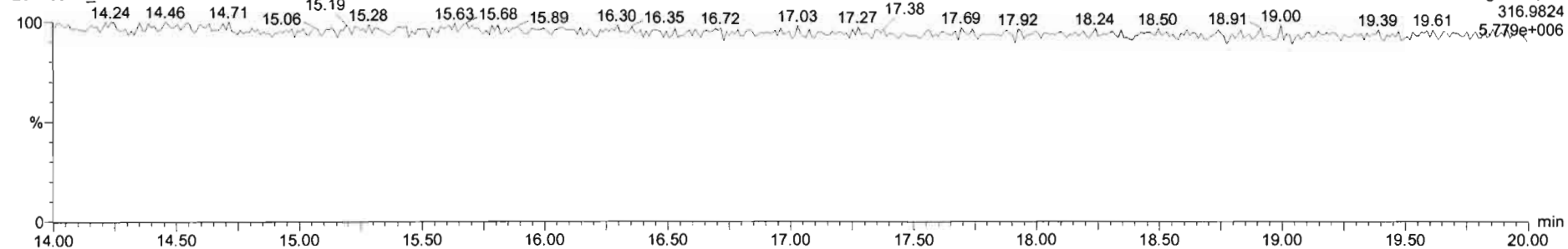
200130K1_7



Voltage SIR,EI+
333.934
1.261e+007

PFK1

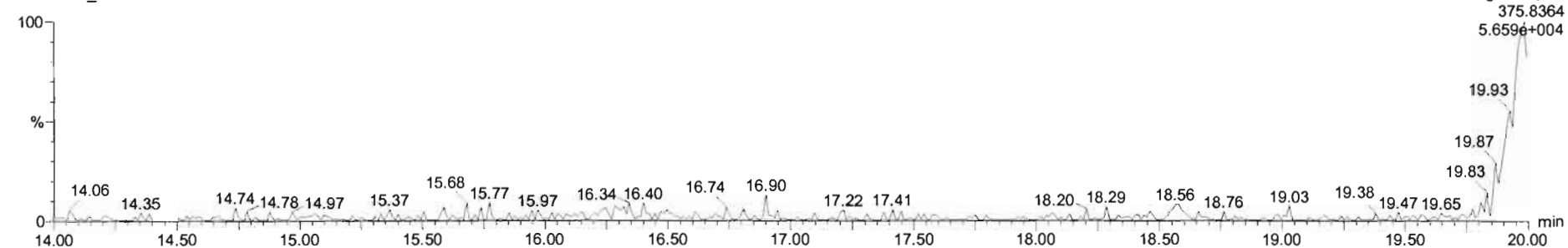
200130K1_7



Voltage SIR,EI+
316.9824
5.779e+006

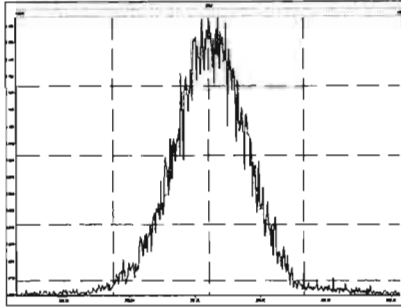
DPE1

200130K1_7

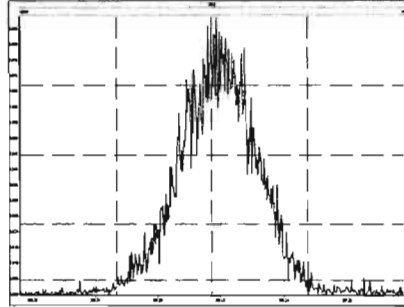


Voltage SIR,EI+
375.8364
5.659e+004

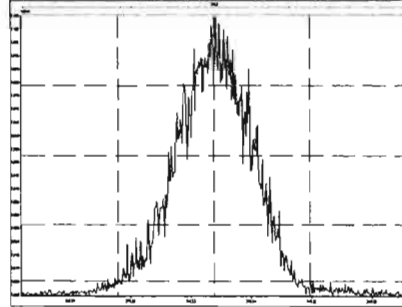
M 292.9824 R 11709



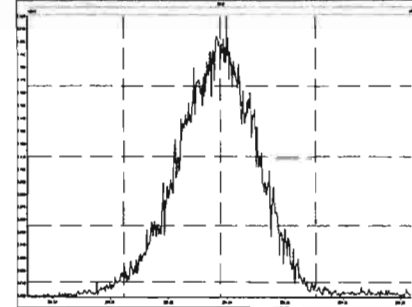
M 304.9824 R 11160



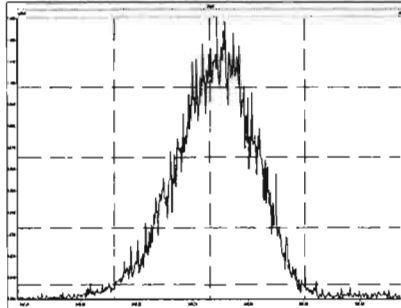
M 318.9792 R 10943



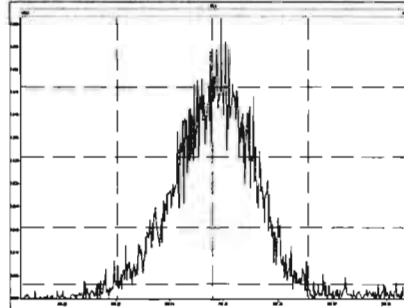
M 330.9792 R 10288



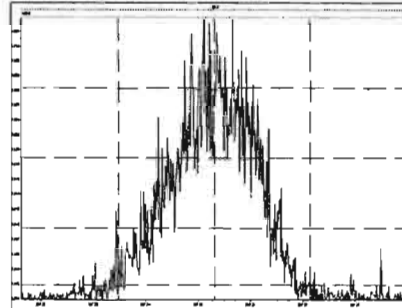
M 342.9792 R 10482



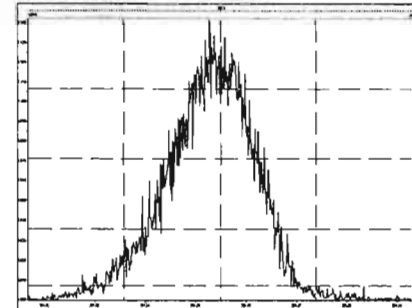
M 354.9792 R 11065



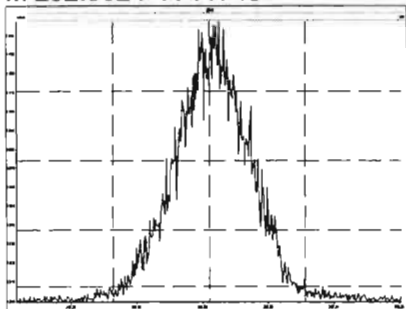
M 366.9792 R 10666



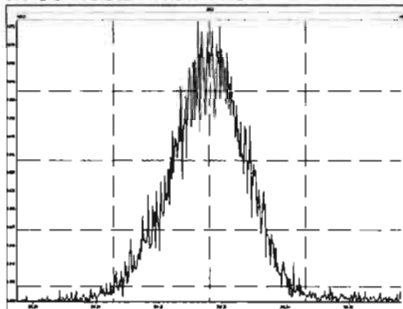
M 380.9760 R 10364



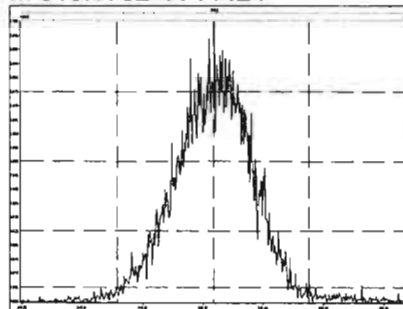
M 292.9824 R 11749



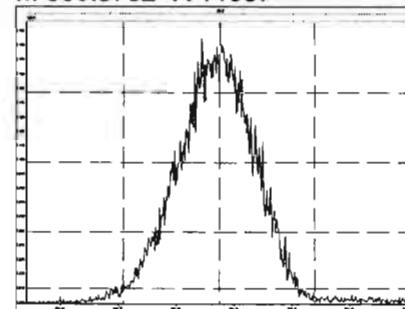
M 304.9824 R 11794



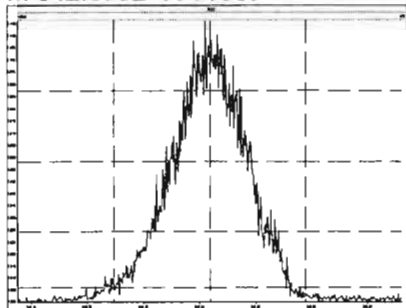
M 318.9792 R 11424



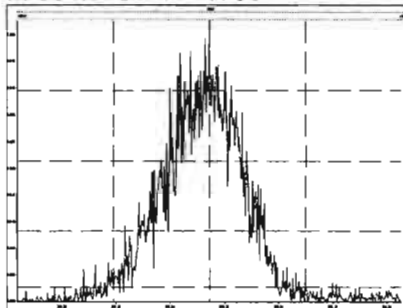
M 330.9792 R 11087



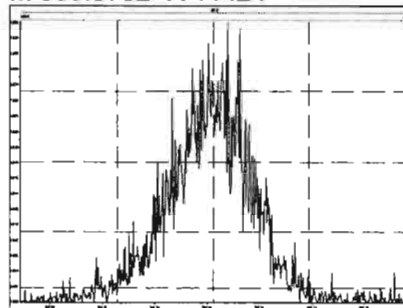
M 342.9792 R 11067



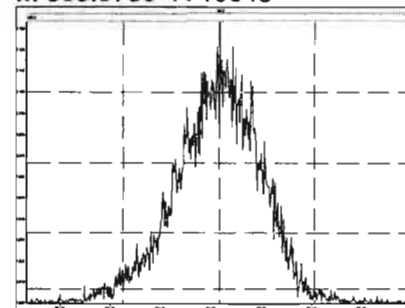
M 354.9792 R 11700



M 366.9792 R 11424



M 380.9760 R 10548



Dataset: U:\VG11.PRO\Results\200130K1\200130K1-9.qld

Last Altered: Friday, January 31, 2020 07:24:08 Pacific Standard Time

Printed: Friday, January 31, 2020 07:35:35 Pacific Standard Time

He 1-31-2020

CT 01/31/2020

Method: U:\VG11.PRO\MethDB\tcdf.mdb 06 May 2019 14:09:24

Calibration: U:\VG11.PRO\CurveDB\db225_1613TCDFvg11-1-30-20.cdb 31 Jan 2020 07:22:32

Name: 200130K1_9, Date: 30-Jan-2020, Time: 21:48:22, ID: SS200130K1-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

#	Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	2.25e5	0.76	NO	1.00	1.000	16.37	10.669	107	0.0628
2	2 13C-2,3,7,8-TCDF	2.11e6	0.77	NO	1.07	1.000	16.35	89.895	89.9	0.117
3	3 13C-1,2,3,4-TCDF	2.19e6	0.79	NO	1.00	1.000	14.45	100.00	100	0.126

8-14-7%

Dataset: Untitled

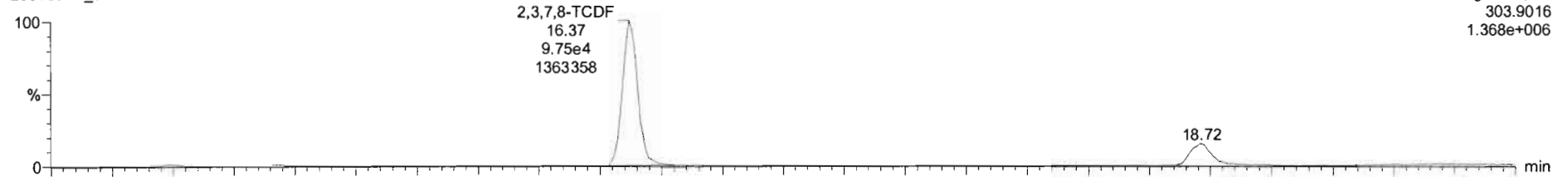
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Printed: Friday, January 31, 2020 07:26:56 Pacific Standard Time

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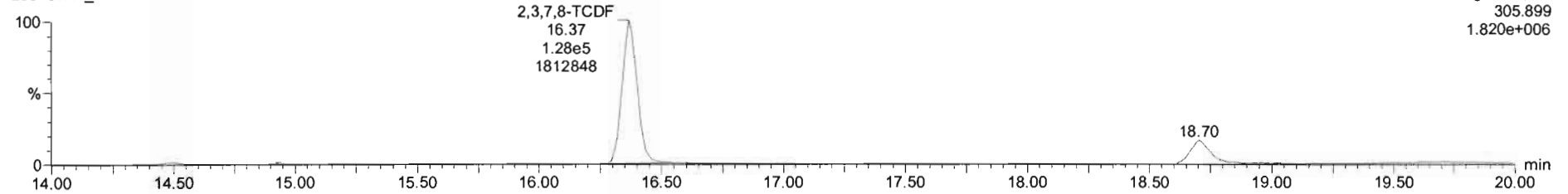
2,3,7,8-TCDF

200130K1_9



Voltage SIR,EI+
303.9016
1.368e+006

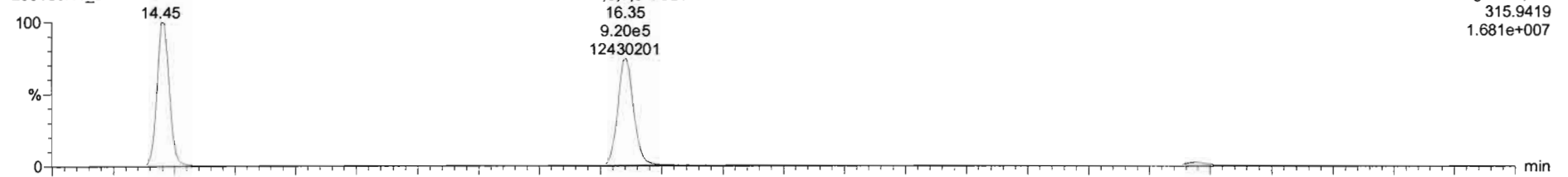
200130K1_9



Voltage SIR,EI+
305.899
1.820e+006

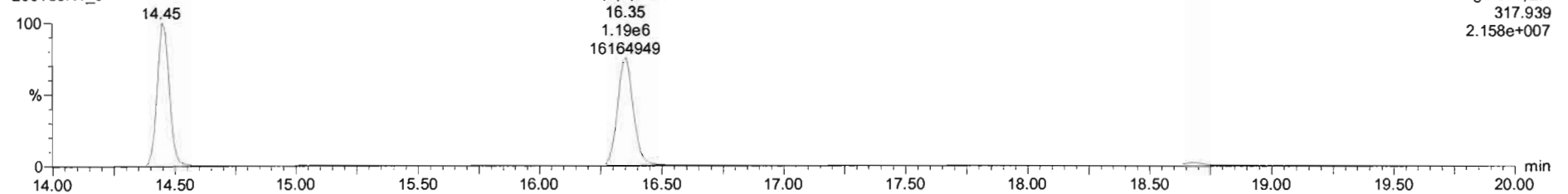
13C-2,3,7,8-TCDF

200130K1_9



Voltage SIR,EI+
315.9419
1.681e+007

200130K1_9



Voltage SIR,EI+
317.939
2.158e+007

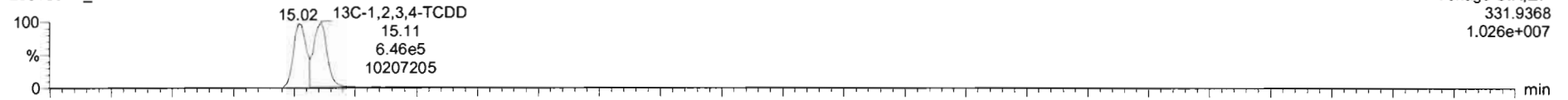
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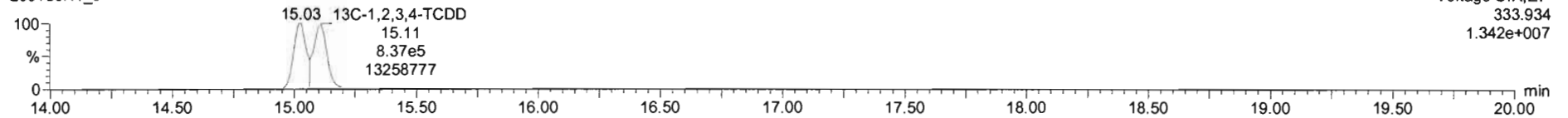
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13C-1,2,3,4-TCDD

200130K1_9

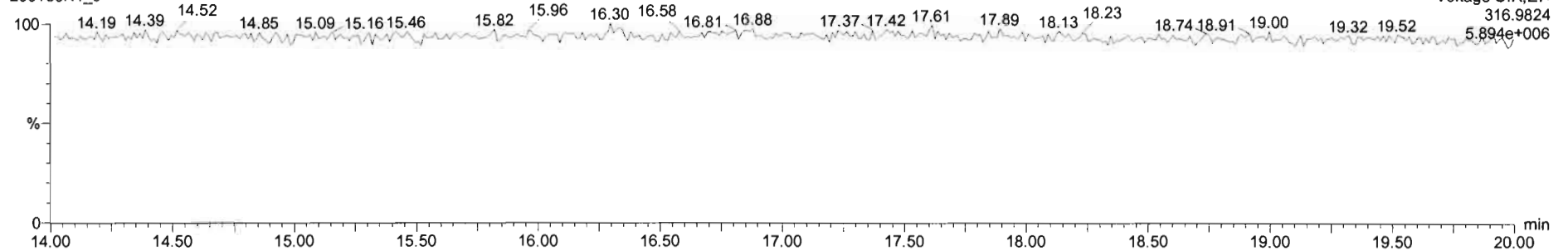


200130K1_9



PFK1

200130K1_9



DPE1

200130K1_9

