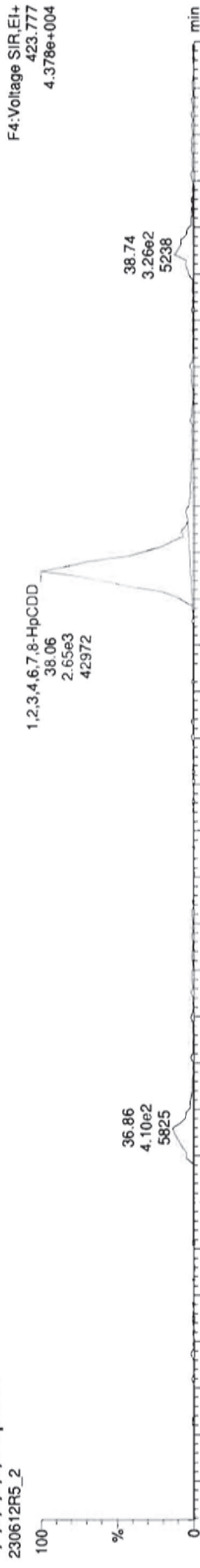


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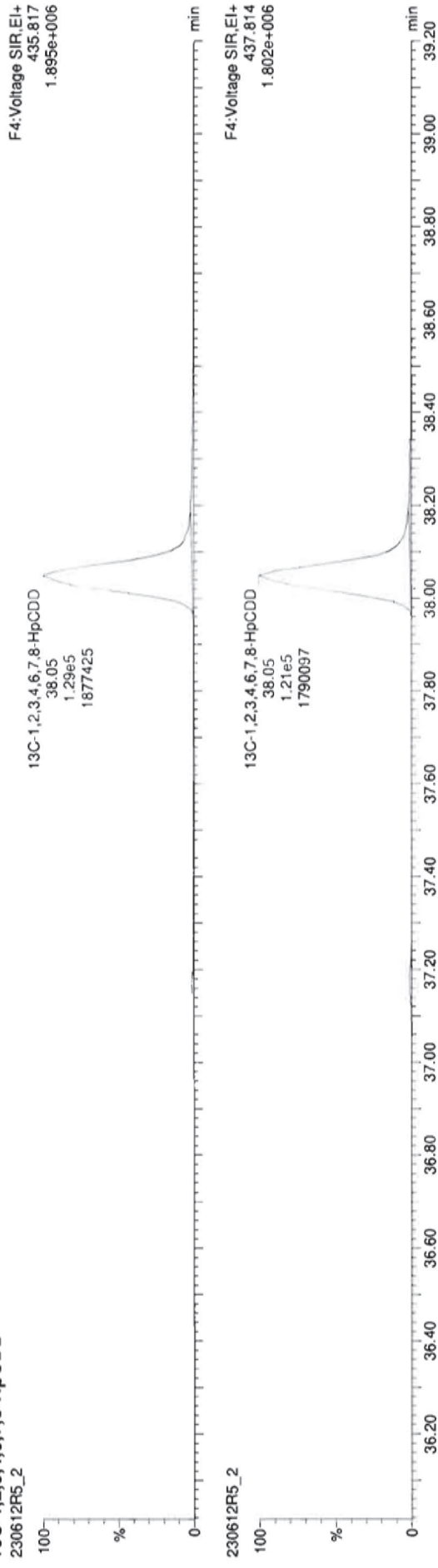
Last Altered: Tuesday, June 13, 2023 09:15 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_2, Date: 12-Jun-2023, Time: 19:37:03, ID: ST230612R5_2 1613 CS1 21G0803, Description: 1613 CS1 21G0803

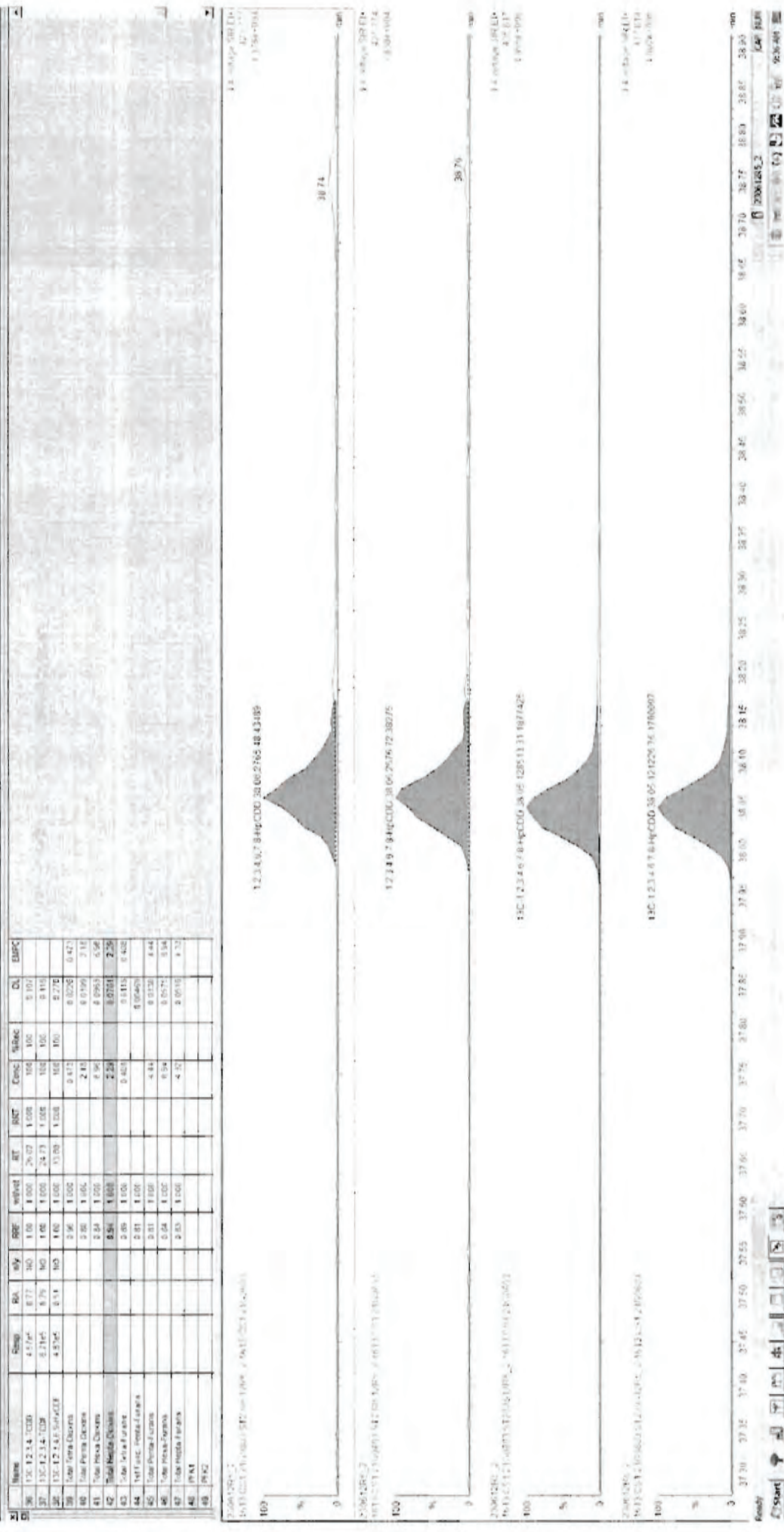
1,2,3,4,6,7,8-HpCDD



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

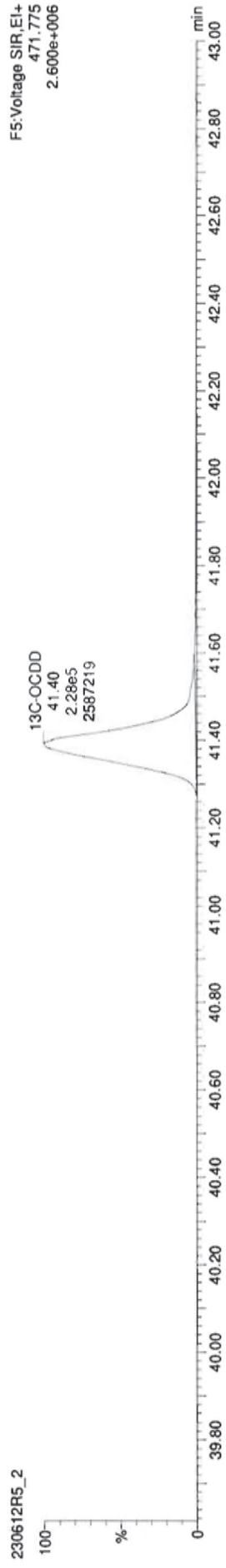
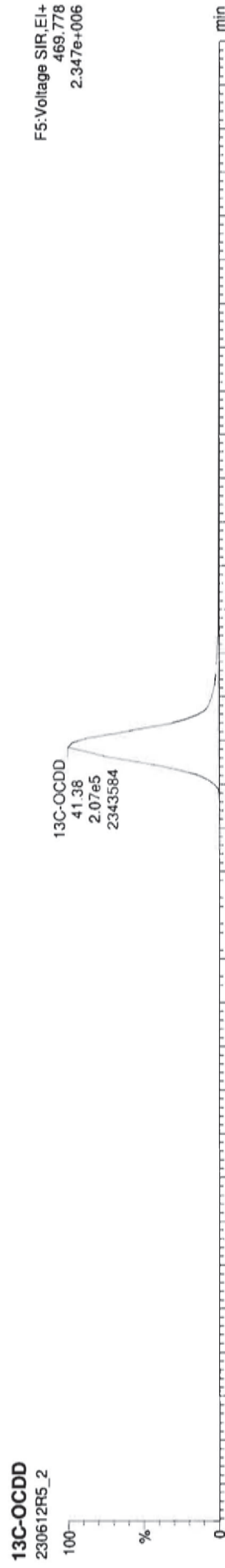
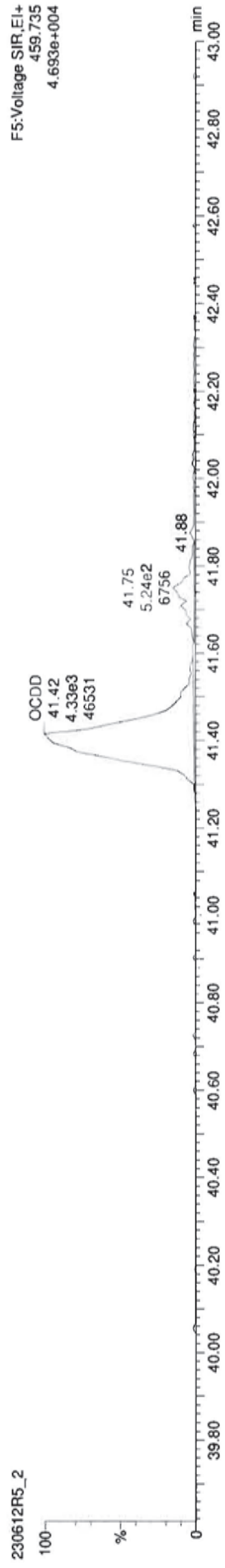
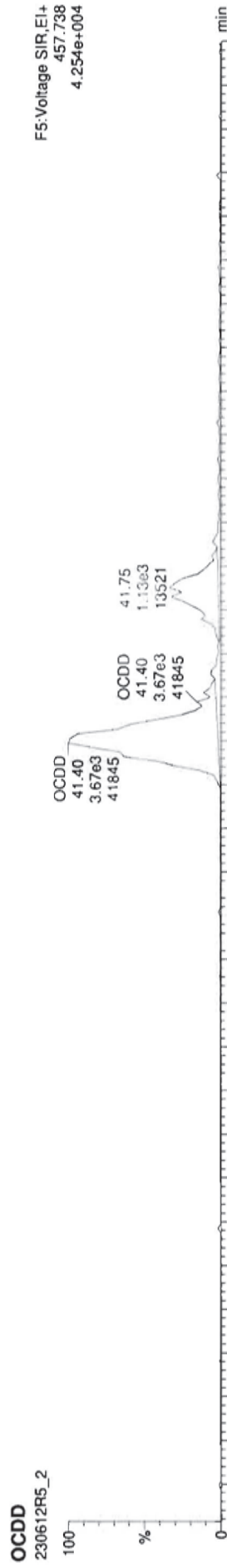


23051285 2- ST2305061285 2 1813 CST 21G0603 - 1813 CST 21G0603

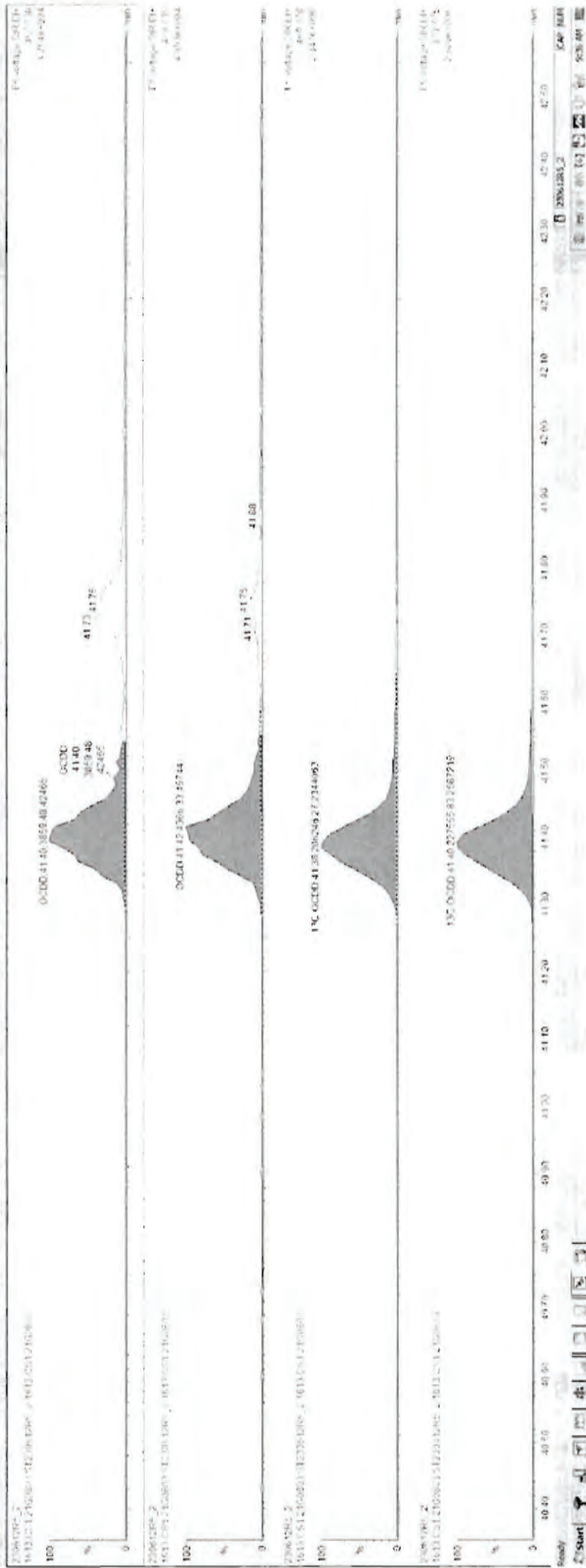


Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_2, Date: 12-Jun-2023, Time: 19:37:03, ID: ST230612R5_2 1613 CS1 21G0803, Description: 1613 CS1 21G0803



	Name	Resp	RA	my	ref	vel	WT	ERT	Comp	%Rec	DL	EUP
7	2.2.5.3	2.2.5.3	0.28	NO	0.21	1.052	41.47	1.054	4.48	38.3	0.0810	0.462
8	2.2.5.3-CDP	2.2.5.3	0.78	NO	0.89	1.052	26.12	1.054	3.40	41.7	0.1115	0.492
9	1.2.2.3.5-PCP	1.2094	1.60	NO	0.81	1.052	29.82	1.058	2.74	89.7	0.0327	2.26
10	2.2.5.4.2-PCP	1.2094	1.95	NO	0.91	1.052	36.78	1.058	2.50	87.9	0.0266	2.26
11	1.2.2.3.7.5-PCP	2.364.3	1.17	NO	0.84	1.052	43.36	1.058	2.15	39.3	0.0429	2.16
12	1.2.2.3.7.8-PCP	0.668.2	1.18	NO	0.82	1.052	33.48	1.058	2.22	89.6	0.0421	2.24
13	2.2.5.4.3-PCP	0.246.2	1.11	NO	0.86	1.052	34.17	1.051	2.24	59.7	0.0523	2.24
14	1.2.2.3.7.8.3-PCP	0.718.3	1.02	NO	0.81	1.052	25.54	1.058	2.27	87.6	0.0405	2.22
15	1.2.2.3.4.8.2-PCP	0.206.7	1.05	NO	0.85	1.052	35.66	1.058	2.72	39.2	0.0469	2.23
16	1.2.2.4.2.5.3-PCP	0.934.2	0.95	NO	0.87	1.052	45.78	1.058	2.08	83.8	0.0000	2.98
17	0.0000	1.209.4	0.92	NO	0.74	1.052	41.77	1.058	4.25	36.3	0.0639	4.28
18	1.2.2.3.2.5.8-PCP	0.489.6	0.89	NO	1.16	1.008	26.76	1.028	37.6	97.6	0.0708	0.548
19	1.2.2.3.7.7-PCP	1.234.2	0.41	NO	0.51	1.008	45.95	1.018	10.5	50.5	0.1148	0.548
20	1.2.2.3.4.2.7.5-PCP	2.302.4	1.29	NO	0.82	1.008	34.36	1.018	50.2	97.4	0.2248	0.548



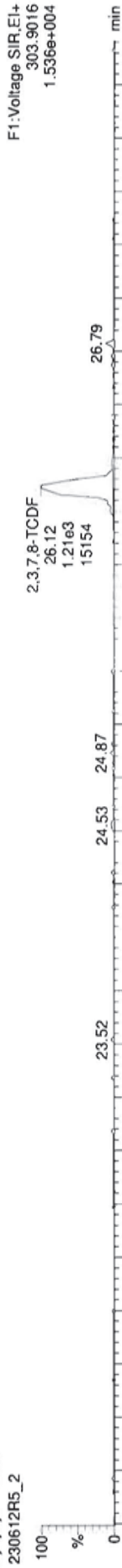
Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_2, Date: 12-Jun-2023, Time: 19:37:03, ID: ST230612R5_2 1613 CS1 21G0803, Description: 1613 CS1 21G0803

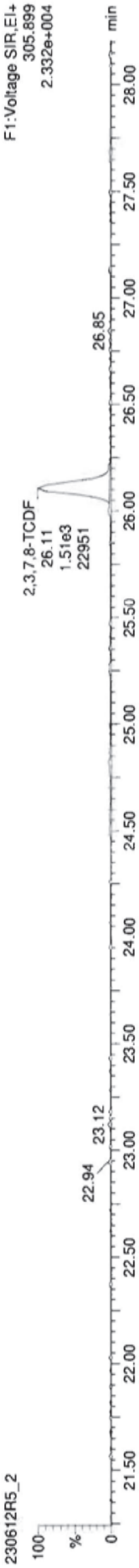
2,3,7,8-TCDF

230612R5_2



F1: Voltage SIR, EI+
303.9016
1.536e+004

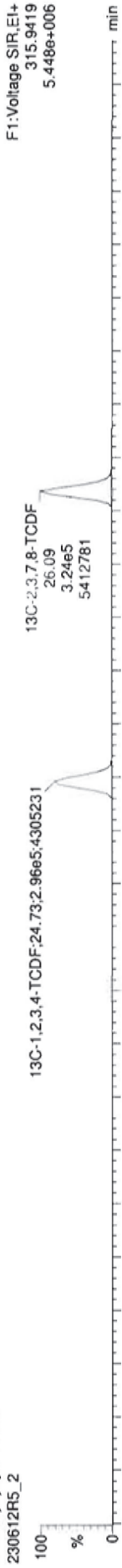
230612R5_2



F1: Voltage SIR, EI+
305.899
2.332e+004

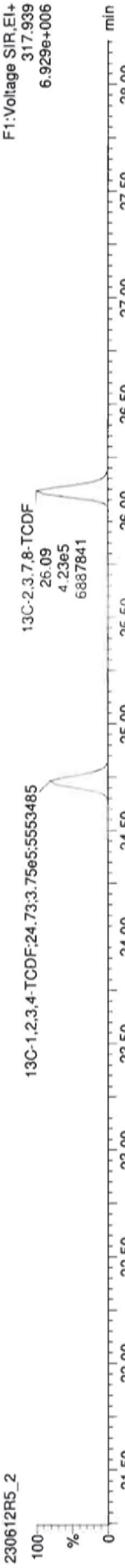
13C-2,3,7,8-TCDF

230612R5_2



F1: Voltage SIR, EI+
315.9419
5.448e+006

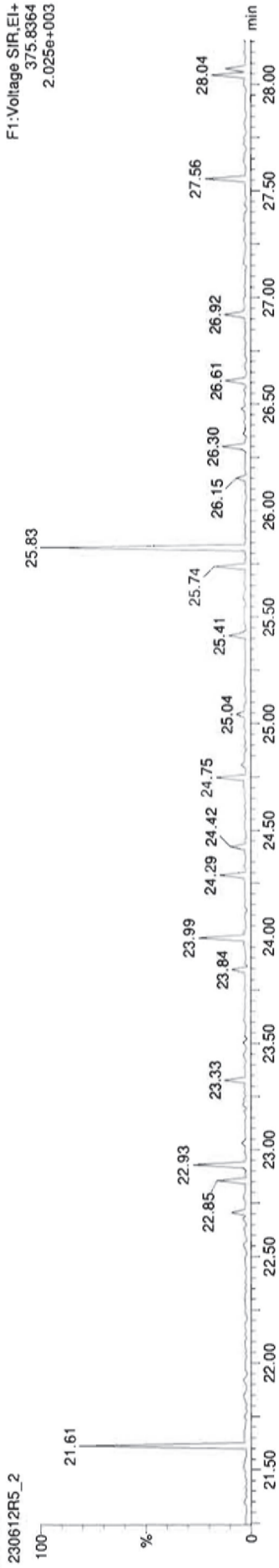
230612R5_2



F1: Voltage SIR, EI+
317.939
6.929e+006

DPE1

230612R5_2



F1: Voltage SIR, EI+
375.8364
2.025e+003

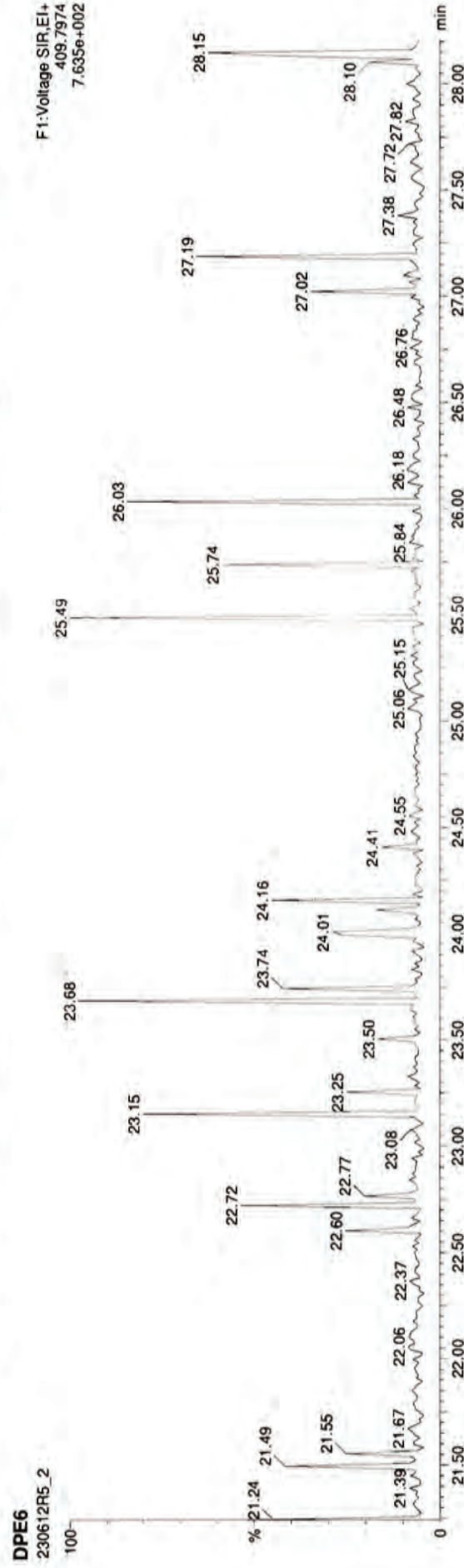
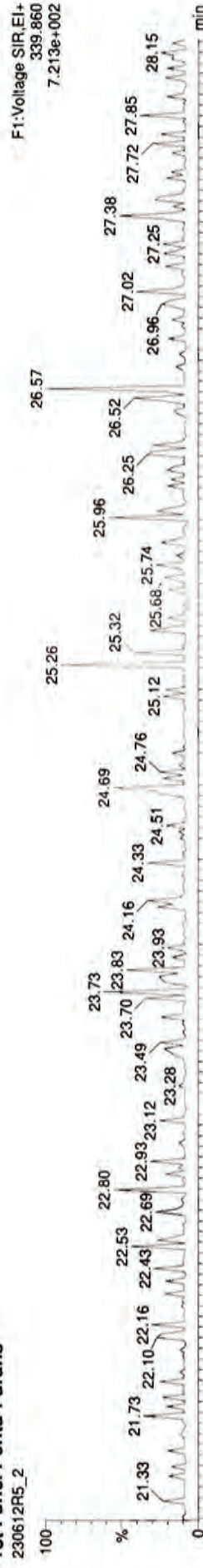
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Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time

Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_2, Date: 12-Jun-2023, Time: 19:37:03, ID: ST230612R5_2 1613 CS1 21G0803, Description: 1613 CS1 21G0803

1st Func. Penta-Furans



Enthalpy Analytical EDH VG-12

Dataset: Untitled

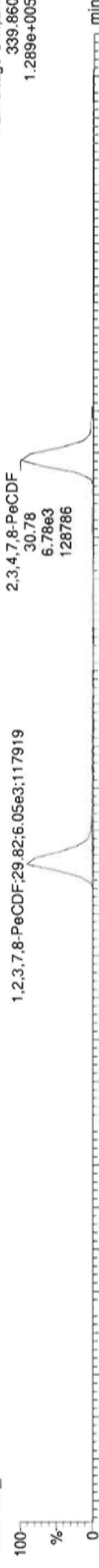
Last Altered: Tuesday, June 13, 2023 09:15 Pacific Daylight Time

Printed: Tuesday, June 13, 2023 09:32 Pacific Daylight Time

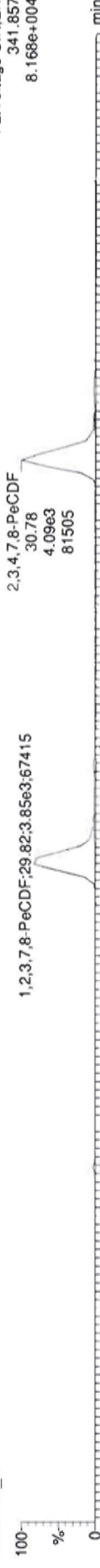
Name: 230612R5_2, Date: 12-Jun-2023, Time: 19:37:03, ID: ST230612R5_2 1613 CS1 21G0803, Description: 1613 CS1 21G0803

1,2,3,7,8-PeCDF

230612R5_2

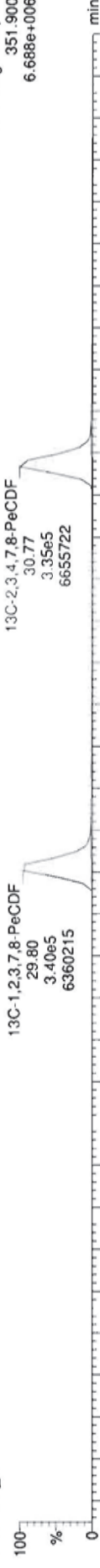


230612R5_2



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

230612R5_2

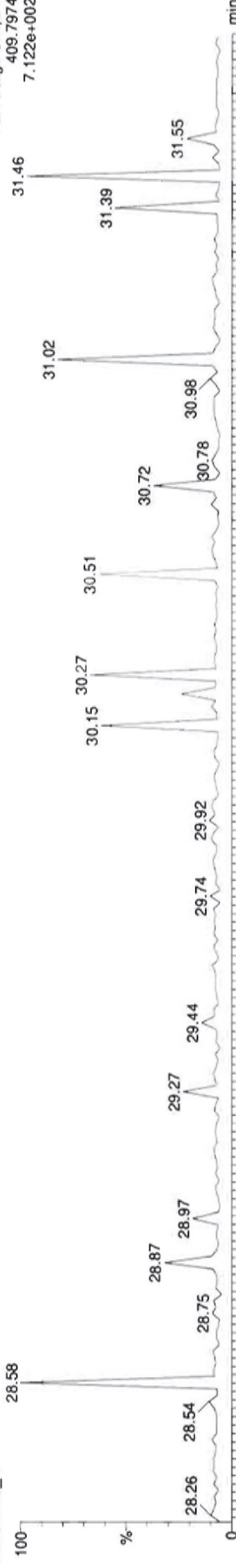


230612R5_2

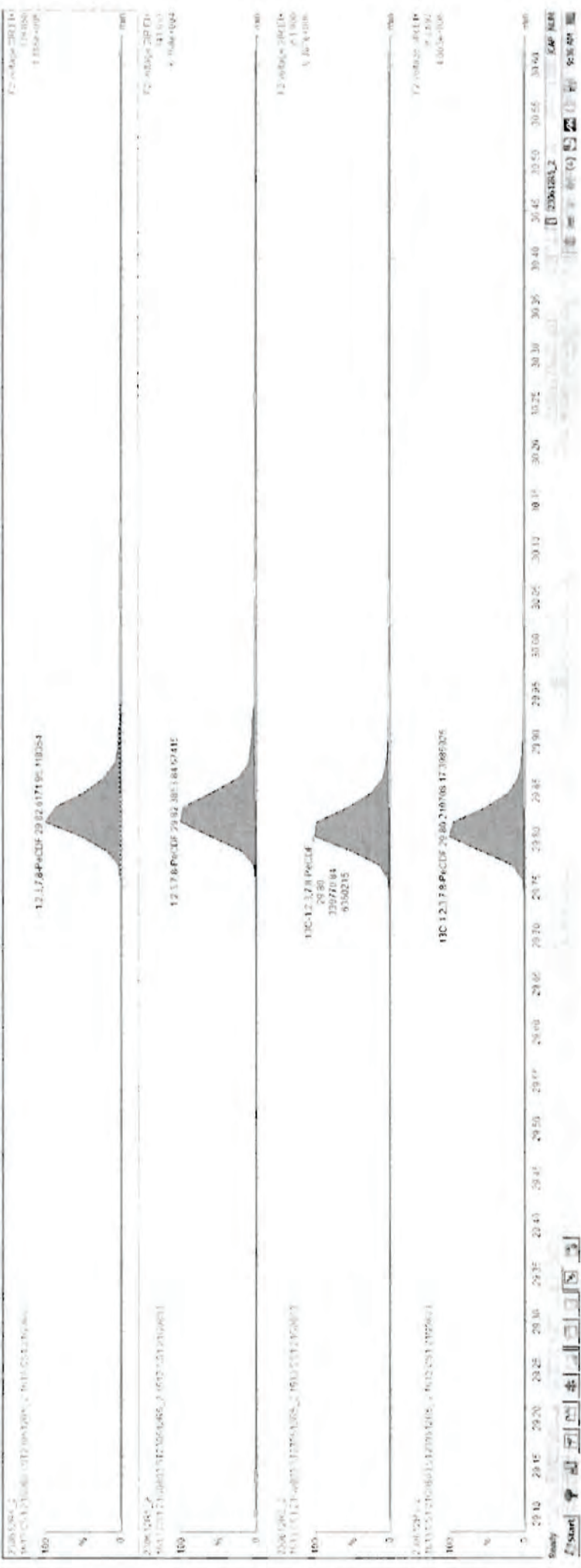


DPE2

230612R5_2



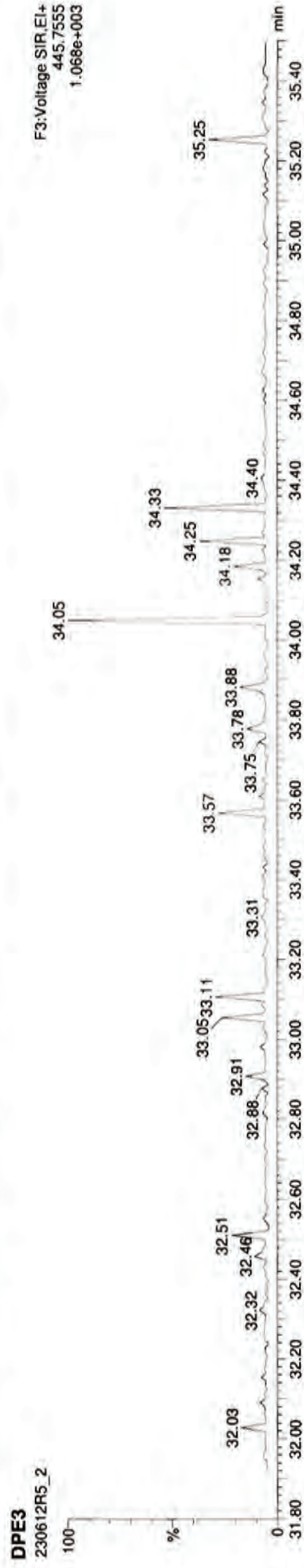
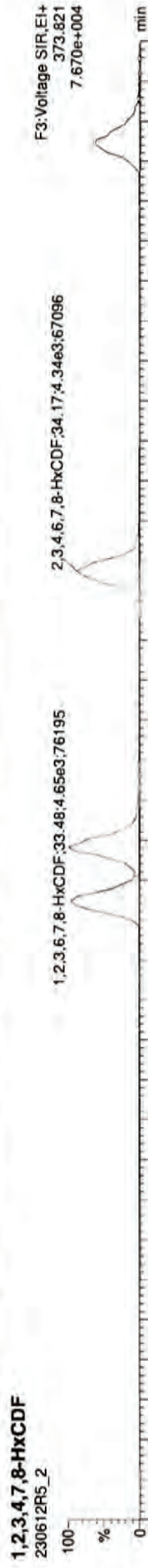
Name	Resid	MA	day	SW	refval	RST	Contc	Notes	DL	EUPC
7 UNCD	0.58	N0	N0	1.002	41.45	1.002	4.45	89.3	0.0052	4.48
8 2.2.7.5-TCDF	2.7245	0.70	N0	0.89	1.000	29.12	1.024	3.400	24.2	0.1115
9 1.2.2.3.5-PAH-CEP	1.8864	1.00	N0	1.004	29.02	1.008	2.24	28.2	0.0332	3.24
10 2.2.4.7.5-PAH-CEP	1.95	N0	N0	0.91	1.000	40.78	1.002	2.12	87.9	0.0269
11 1.2.3.4.7.5-PAH-CEP	2.8943	0.84	N0	0.60	1.000	13.76	1.008	2.15	56.1	0.0442
12 1.2.3.6.7.5-PAH-CEP	0.8643	1.16	N0	0.82	1.000	33.48	1.008	2.22	89.0	0.0242
13 2.2.4.6.7.5-PAH-CEP	0.2562	1.17	N0	0.84	1.000	54.17	1.024	2.24	39.7	0.0451
14 1.2.3.7.5.3-PAH-CEP	0.7447	1.72	N0	0.83	1.000	45.24	1.008	2.32	52.8	0.0305
15 2.2.3.6.7.5-PAH-CEP	0.2047	1.06	N0	0.89	1.000	96.98	1.008	2.37	89.2	0.0420
16 1.2.3.4.7.5-PAH-CEP	4.2943	0.95	N0	0.82	1.000	18.78	1.002	2.19	23.8	0.0255
17 UNCD	1.2564	0.35	N0	0.74	1.000	41.77	1.008	4.26	80.3	0.0939
18 1.5.2.3.7.5-UNCD	4.8394	0.78	N0	1.12	1.000	26.70	1.020	3.2	37.8	0.1409
19 1.5.1.2.7.5-UNCD	2.7265	0.61	N0	1.01	1.000	25.65	1.009	3.02	102	0.1409
20 1.5.1.2.3.7.5-PAH-CEP	2.2345	1.29	N0	2.05	1.000	14.28	1.114	92.2	39.2	0.2445

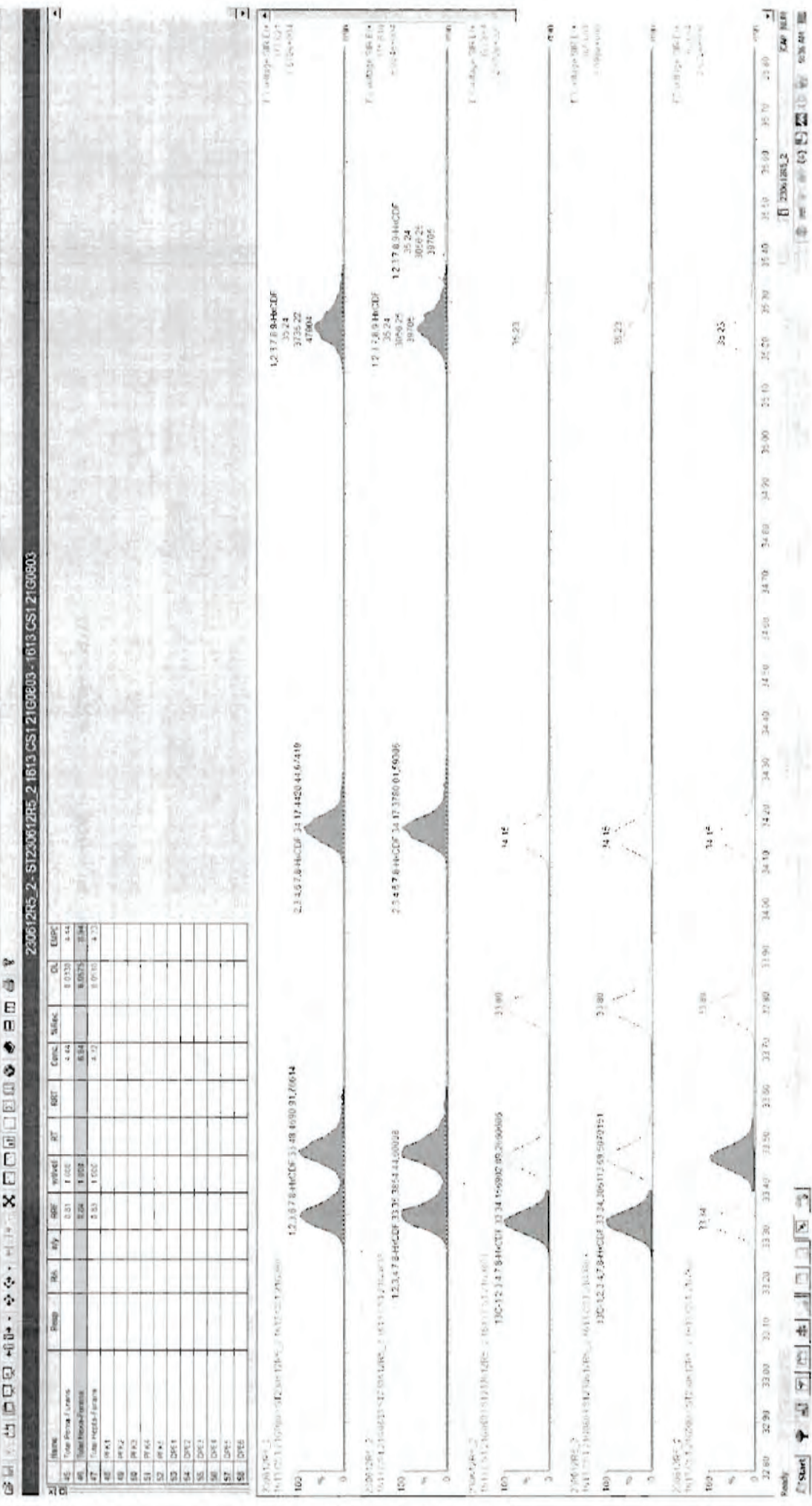


Untitled

Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_2, Date: 12-Jun-2023, Time: 19:37:03, ID: ST230612R5_2 1613 CS1 21G0803, Description: 1613 CS1 21G0803



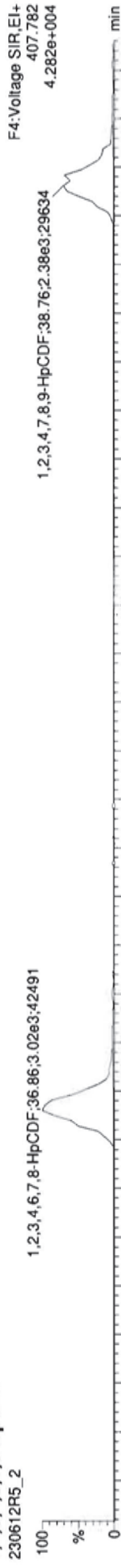


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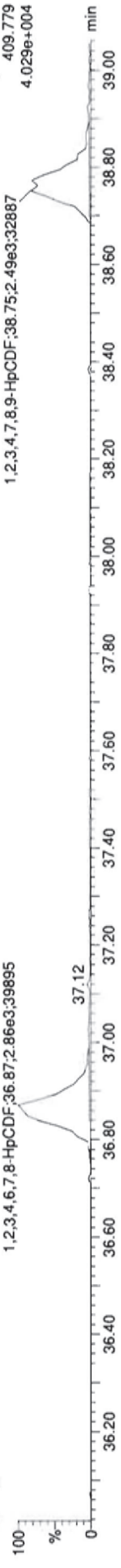
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Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

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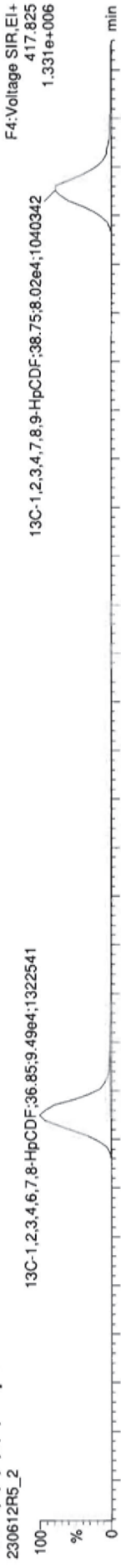
1,2,3,4,6,7,8-HpCDF



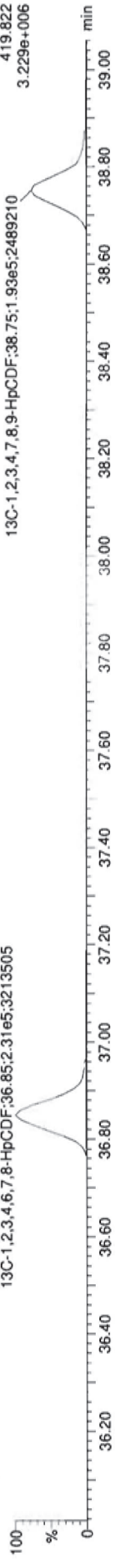
13C-1,2,3,4,6,7,8-HpCDF



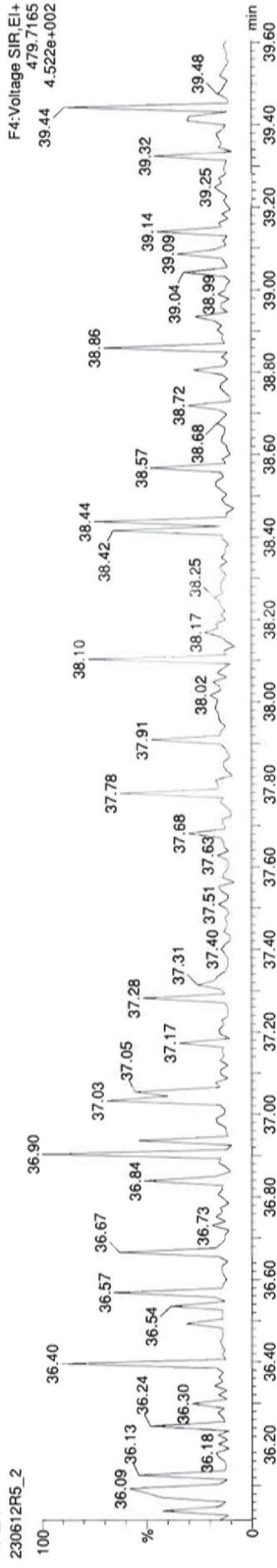
13C-1,2,3,4,6,7,8-HpCDF



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

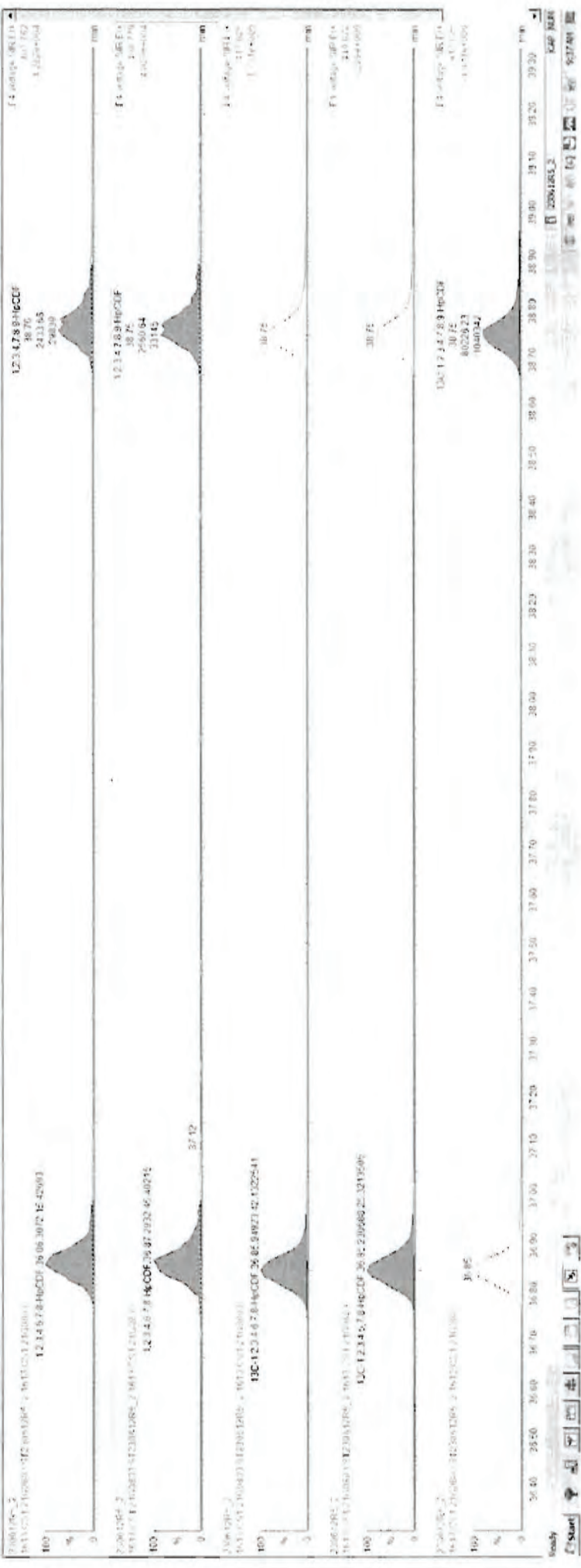


DPE4



230612R5-2 - ST230612R5-2 1613 GS121G0603 - 1613 GS121G0603

Station	Name	Temp	PA	WSP	WSP	BT	Comp	Notes	CL	EDPC
45	Top of Piling - Lumber			0.01	1.000			0.44	0.010	0.44
46	Top of Piling - Lumber			0.04	1.000			0.54	0.075	0.54
47	Top of Piling - Lumber			0.03	1.000			0.52	0.050	0.52
48	PA 1									
49	PA 2									
50	PA 3									
51	PA 4									
52	PA 5									
53	DP 1									
54	DP 2									
55	DP 3									
56	DP 4									
57	DP 5									
58	DP 6									



Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time

Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

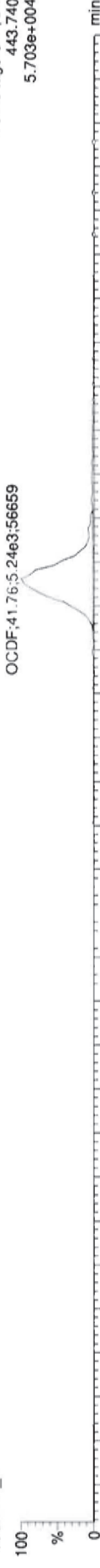
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OCDF

230612R5_2

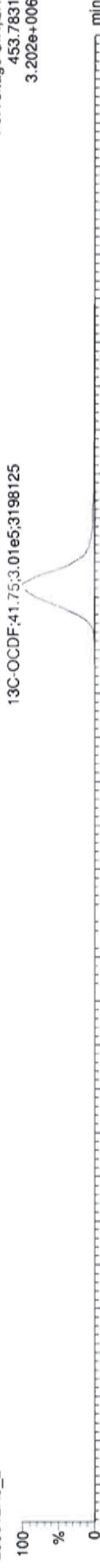


230612R5_2



13C-OCDF

230612R5_2

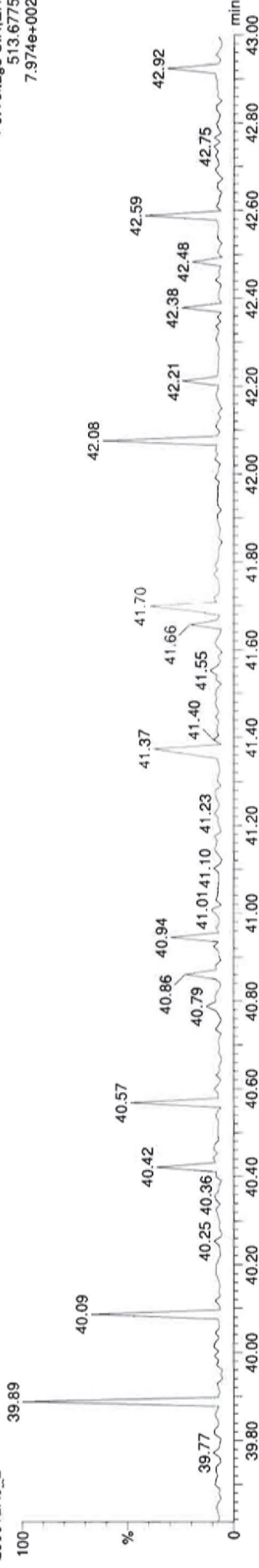


230612R5_2



DPE5

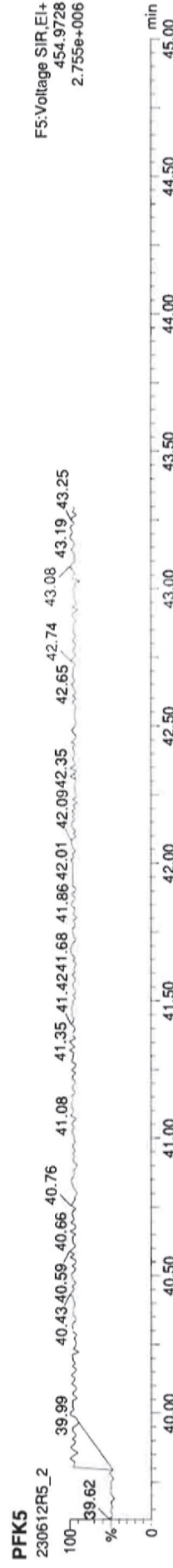
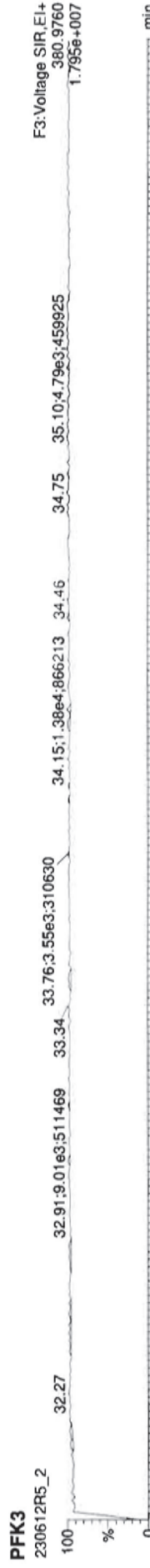
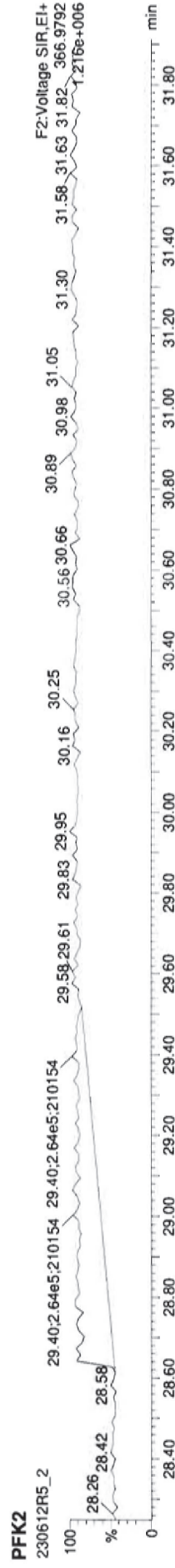
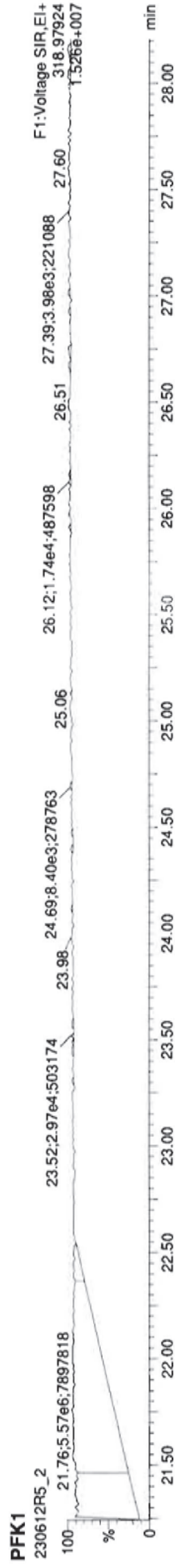
230612R5_2



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Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_2, Date: 12-Jun-2023, Time: 19:37:03, ID: ST230612R5_2 1613 CS1 21G0803, Description: 1613 CS1 21G0803



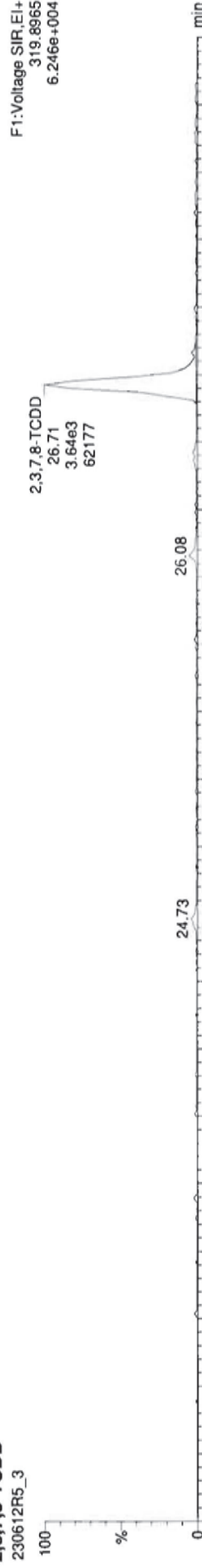
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Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

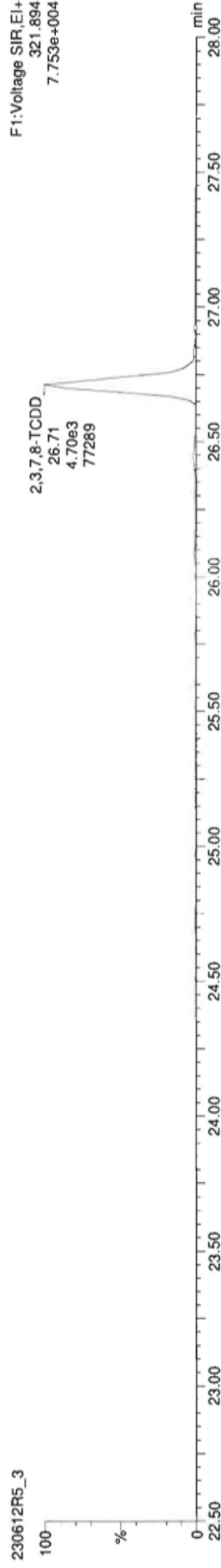
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2,3,7,8-TCDD

230612R5_3

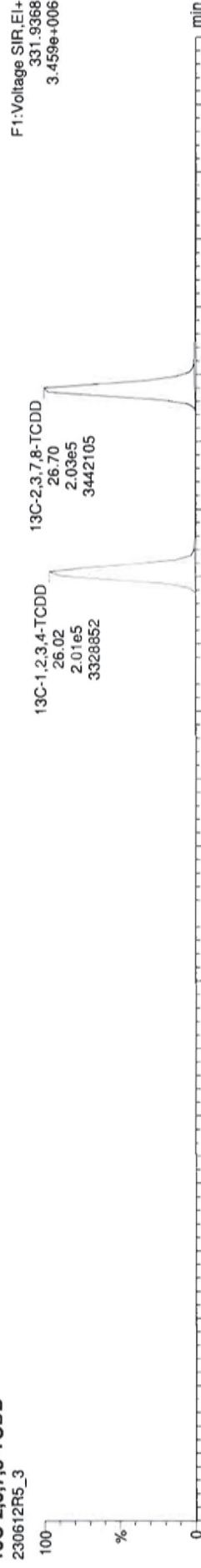


230612R5_3

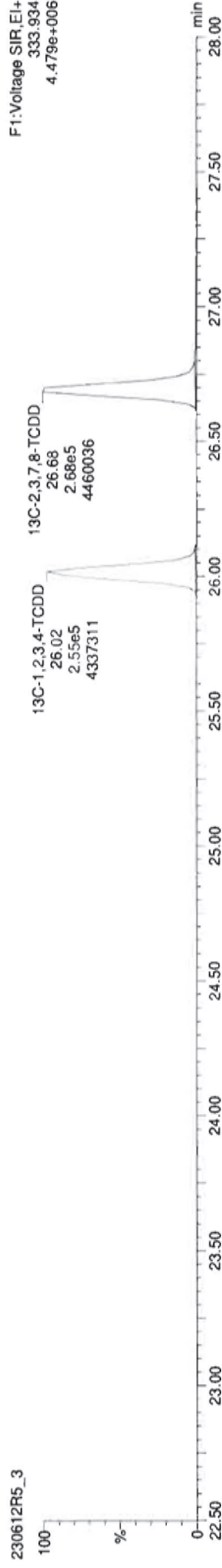


13C-2,3,7,8-TCDD

230612R5_3



230612R5_3



Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time

Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

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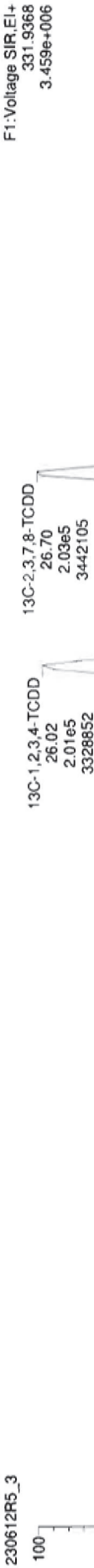
37Cl-2,3,7,8-TCDD

230612R5_3

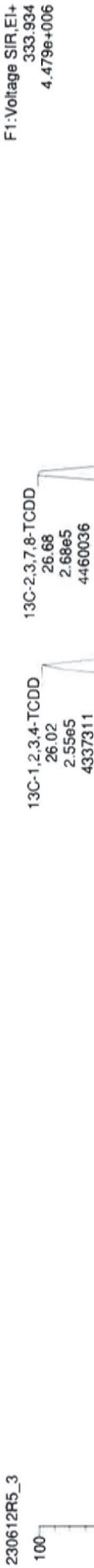


13C-1,2,3,4-TCDD

230612R5_3



230612R5_3



Dataset: Untitled

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Name: 230612R5_3, Date: 12-Jun-2023, Time: 20:21:36, ID: ST230612R5_3 1613 CS2 21G0804, Description: 1613 CS2 21G0804

1,2,3,7,8-PeCDD

230612R5_3



F2: Voltage SIR, EI+
 353.8576
 2.018e+005

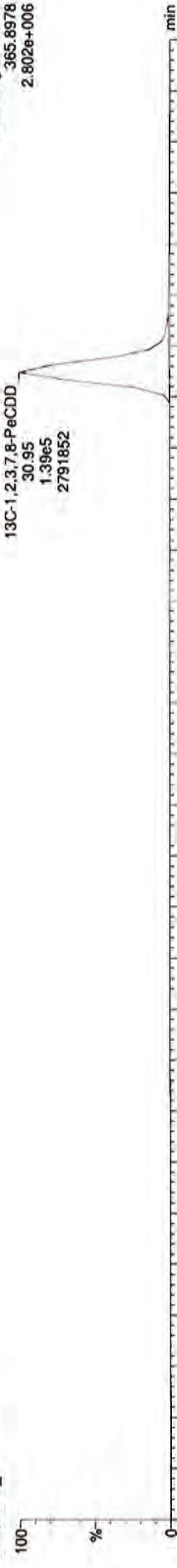
230612R5_3



F2: Voltage SIR, EI+
 355.8550
 3.333e+005

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

230612R5_3

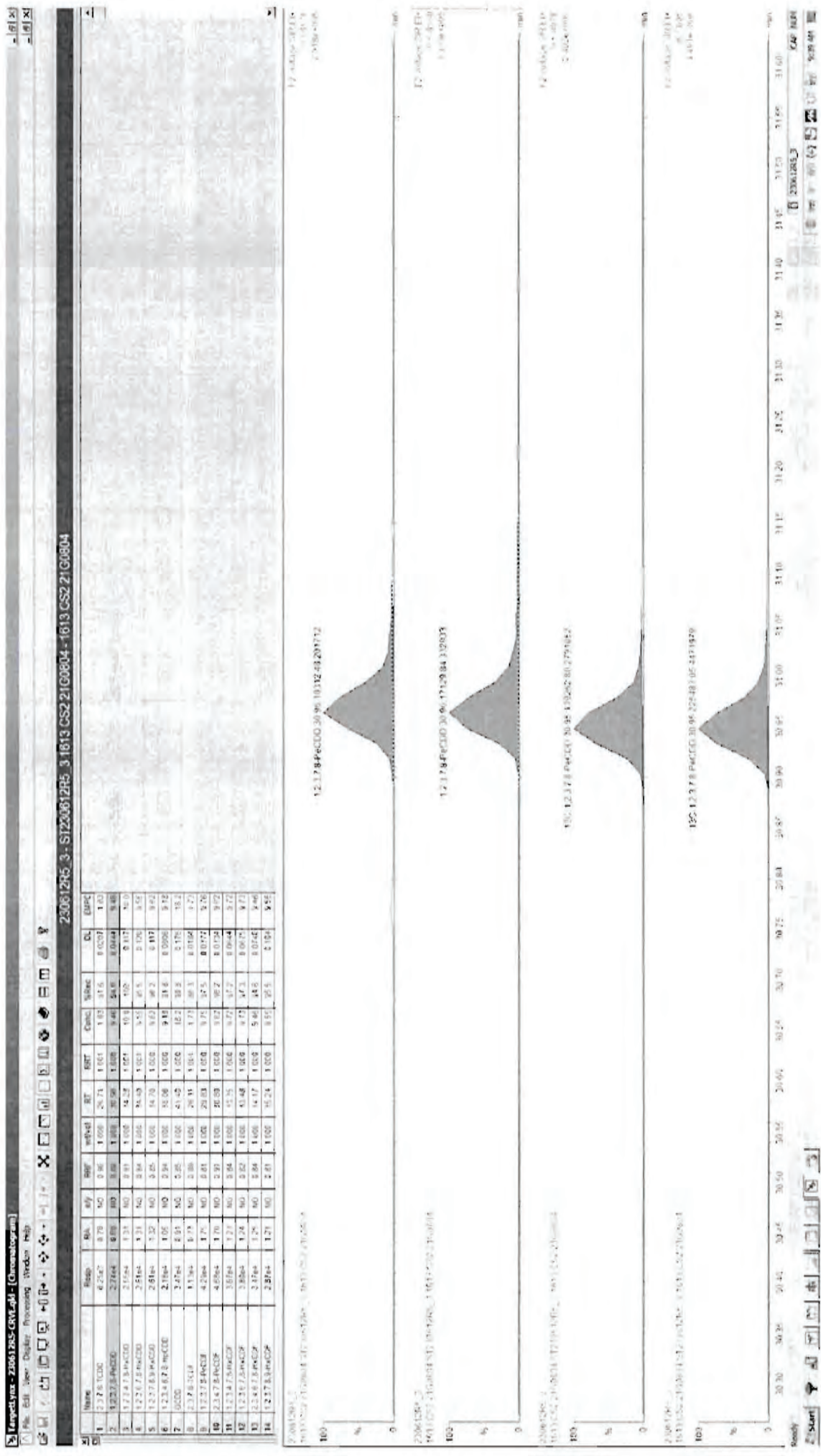


F2: Voltage SIR, EI+
 365.8978
 2.802e+006

230612R5_3



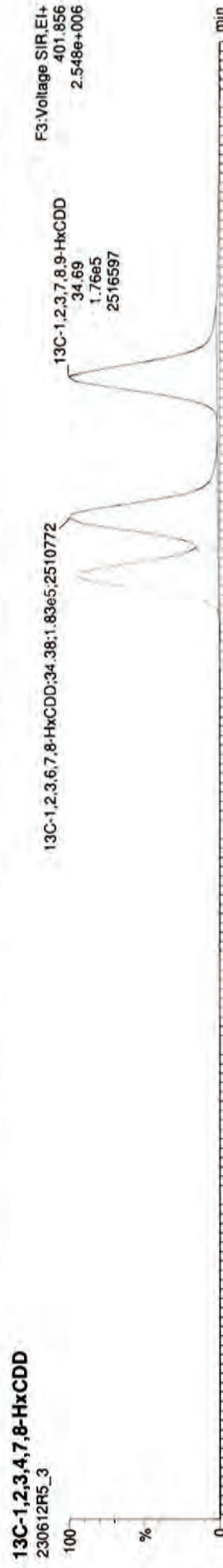
F2: Voltage SIR, EI+
 367.895
 4.491e+006



Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_3, **Date:** 12-Jun-2023, **Time:** 20:21:36, **ID:** ST230612R5_3 1613 CS2 21G0804, **Description:** 1613 CS2 21G0804

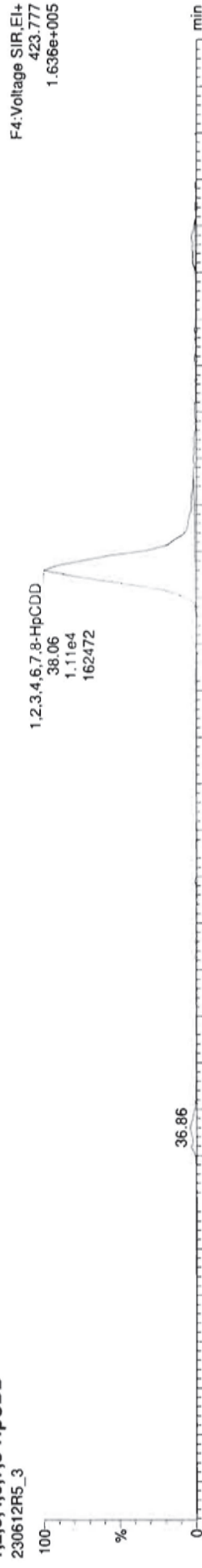


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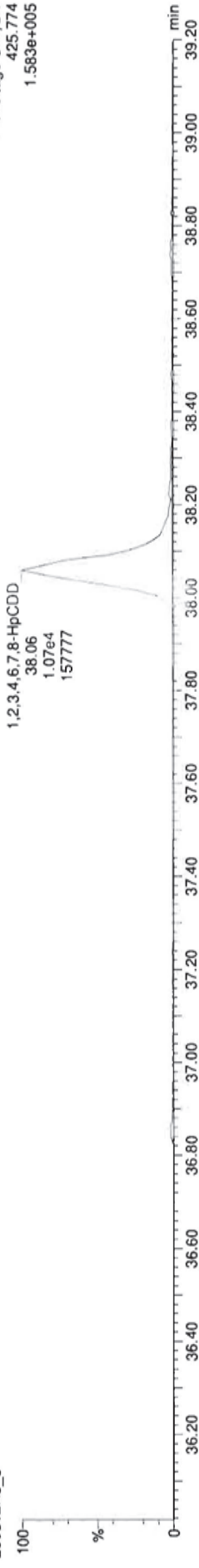
Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_3, Date: 12-Jun-2023, Time: 20:21:36, ID: ST230612R5_3 1613 CS2 21G0804, Description: 1613 CS2 21G0804

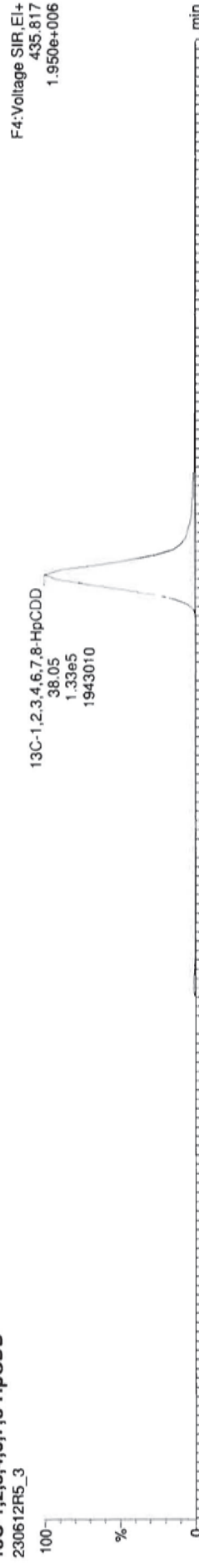
1,2,3,4,6,7,8-HpCDD



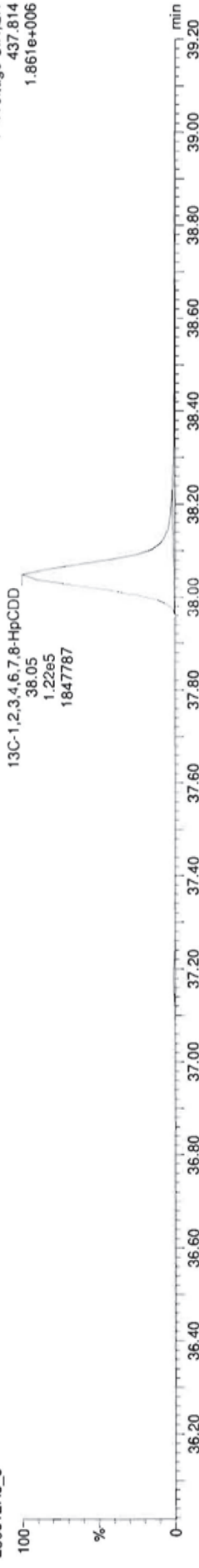
13C-1,2,3,4,6,7,8-HpCDD



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

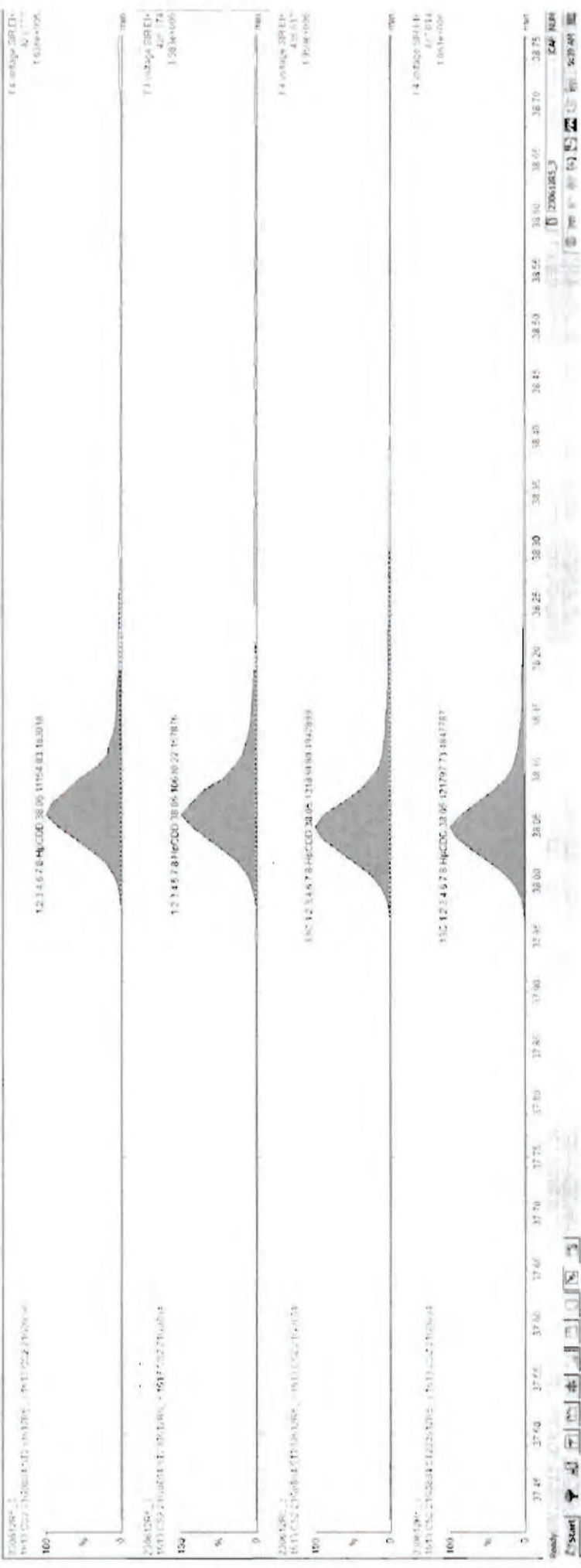


13C-1,2,3,4,6,7,8-HpCDD



230612R5 3 - ST230612R5 3 1613 CSZ 21G0804 - 1613 CSZ 21G0804

Peak	Name	Temp	RA	Wt%	Area	RT	Area	Area	Area
41	Total Peaks Observed				295.2				
42	Total Peaks Observed				295.2				
43	Total Peaks Observed				295.2				
44	Total Peaks Observed				295.2				
45	Total Peaks Observed				295.2				
46	Total Peaks Observed				295.2				
47	Total Peaks Observed				295.2				
48	Total Peaks Observed				295.2				
49	Total Peaks Observed				295.2				
50	Total Peaks Observed				295.2				
51	Total Peaks Observed				295.2				
52	Total Peaks Observed				295.2				
53	Total Peaks Observed				295.2				
54	Total Peaks Observed				295.2				



Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:15 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:32 Pacific Daylight Time

Name: 230612R5_3, Date: 12-Jun-2023, Time: 20:21:36, ID: ST230612R5_3 1613 CS2 21G0804, Description: 1613 CS2 21G0804



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Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

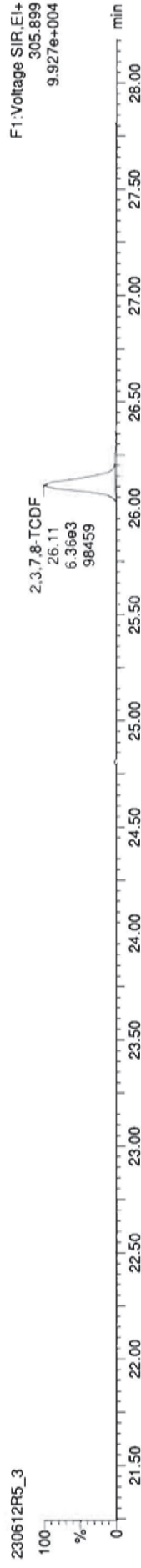
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2,3,7,8-TCDF

230612R5_3

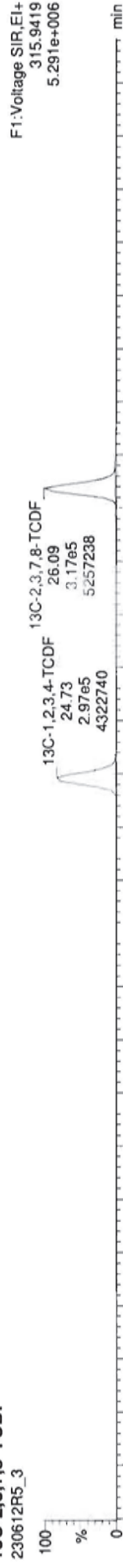


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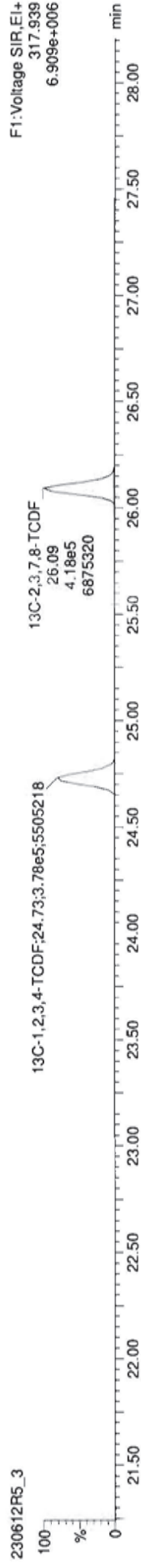


13C-2,3,7,8-TCDF

230612R5_3

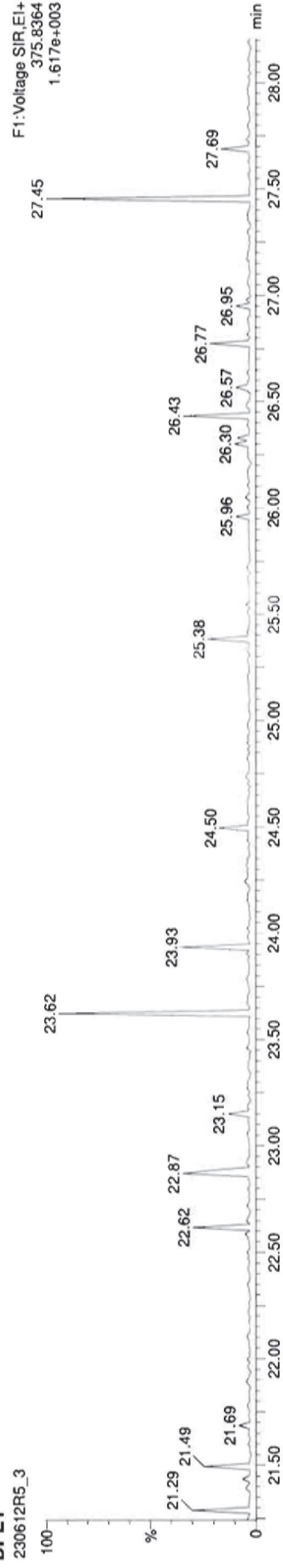


230612R5_3



DPE1

230612R5_3



Y	Name	Comp	Rel.	Qty	Ref	Weight	BT	Unit	Spec	OL	EMPC
7	UCCEC	2.47e4	0.91	60	0.95	1.000	41.40	1.000	16.2	0.170	18.2
8	23.76-UCCEC	1.12e4	0.93	60	0.98	1.000	28.11	1.001	1.72	0.004	1.72
9	1.2.2.1.8-UCCEC	4.29e4	1.76	60	0.91	1.000	29.03	1.000	3.75	0.017	3.75
10	2.3.4.7.8-UCCEC	4.02e4	1.76	60	0.91	1.000	16.00	1.000	36.2	0.054	36.2
11	1.2.3.4.7.8-UCCEC	3.81e4	1.74	60	0.94	1.000	13.79	1.000	37.2	0.046	37.2
12	1.2.3.4.7.8-UCCEC	2.83e4	1.24	60	0.92	1.000	13.42	1.000	37.2	0.046	37.2
13	2.3.4.7.8-UCCEC	2.47e4	1.25	60	0.94	1.000	14.17	1.000	34.5	0.046	34.5
14	1.2.3.4.7.8-UCCEC	2.83e4	1.71	60	0.91	1.000	16.24	1.000	36.2	0.054	36.2
15	1.2.3.4.7.8-UCCEC	2.83e4	1.00	60	0.93	1.000	16.00	1.000	36.2	0.054	36.2
16	1.2.3.4.7.8-UCCEC	2.72e4	0.94	60	0.97	1.000	16.77	1.001	36.2	0.054	36.2
17	UCCEC	4.18e4	0.97	60	0.74	1.000	41.76	1.000	12.5	0.11	12.5
18	1.8.2.3.4.7.8-UCCEC	4.71e4	0.76	60	1.10	1.000	26.75	1.026	34.0	0.170	34.0
19	1.8.2.3.4.7.8-UCCEC	3.69e4	0.92	60	0.91	1.000	40.46	1.000	34.0	0.170	34.0
20	1.8.2.3.4.7.8-UCCEC	2.83e4	1.77	60	0.95	1.000	34.26	1.014	37.6	0.257	37.6



Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time

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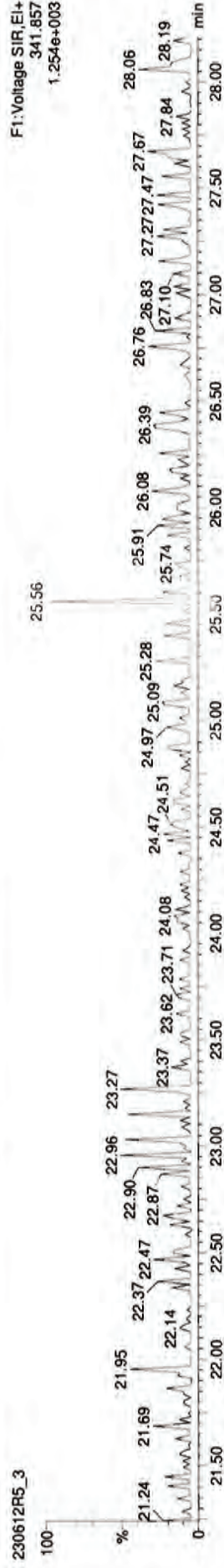
Name: 230612R5_3, Date: 12-Jun-2023, Time: 20:21:36, ID: ST230612R5_3 1613 CS2 21G0804, Description: 1613 CS2 21G0804

1st Func. Penta-Furans

230612R5_3

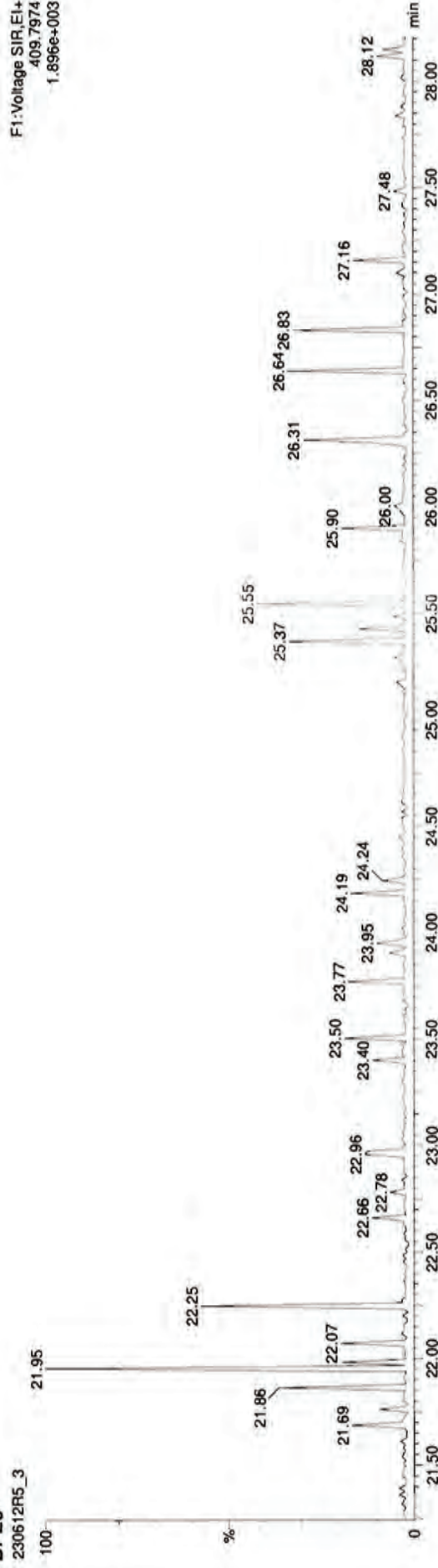


230612R5_3



DPE6

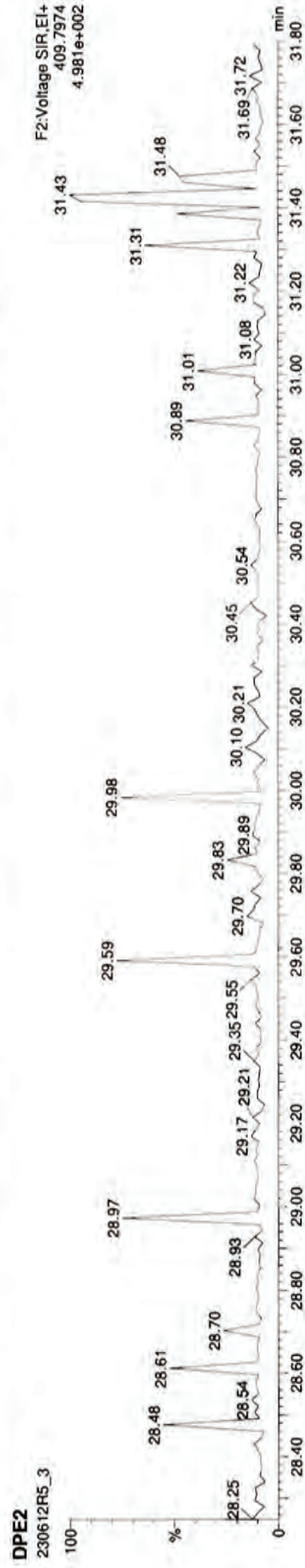
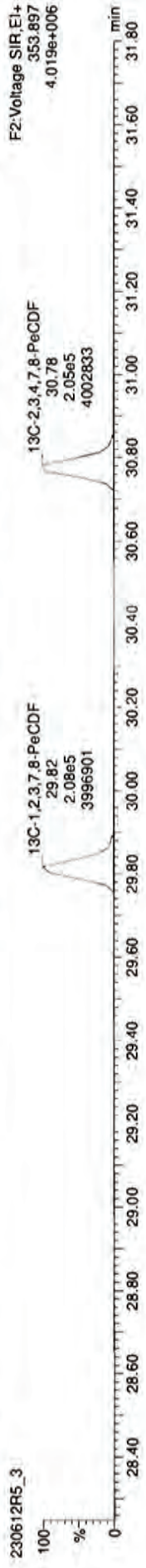
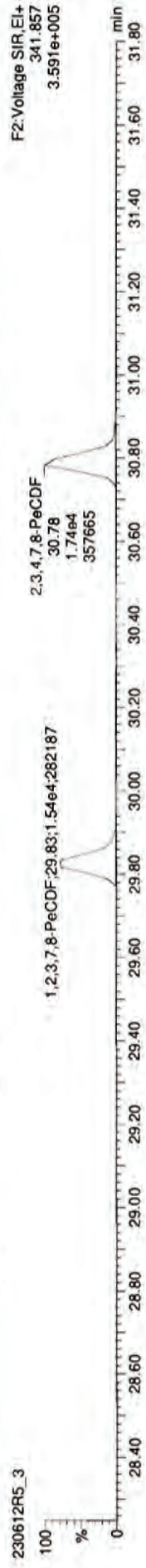
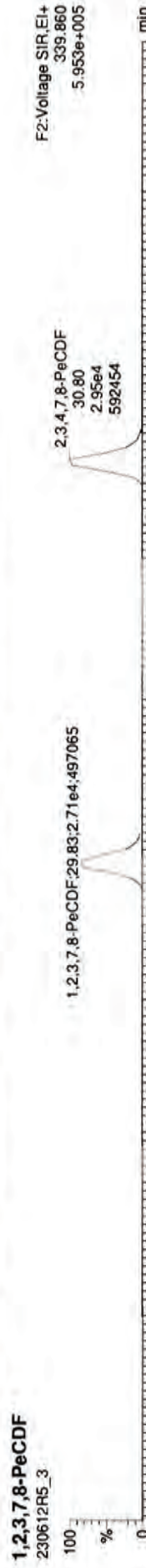
230612R5_3



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Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
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100



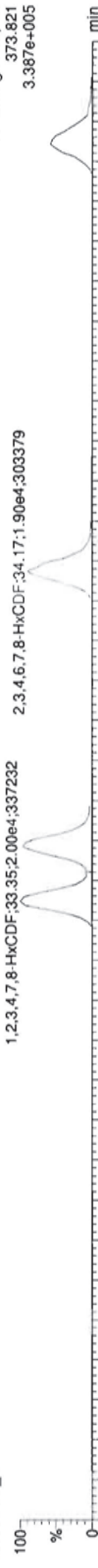
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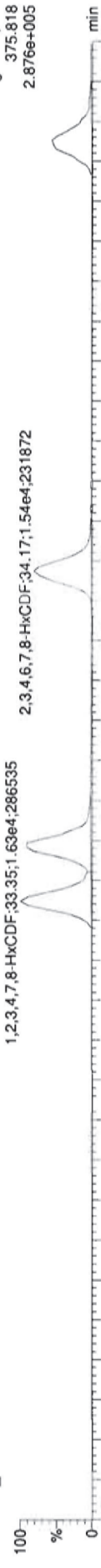
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1,2,3,4,7,8-HxCDF

230612R5_3

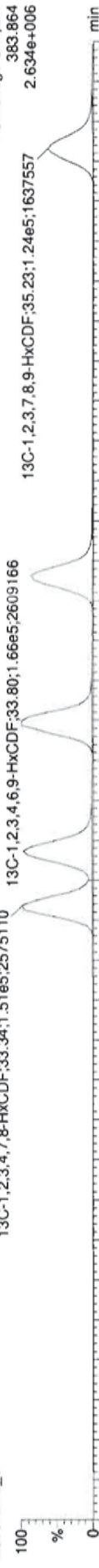


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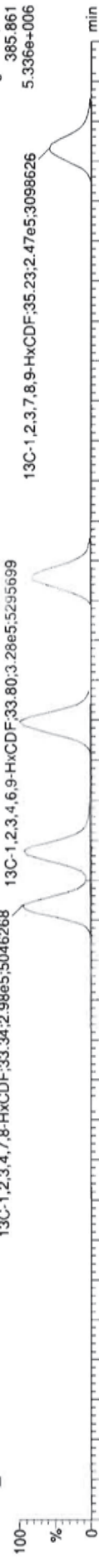


13C-1,2,3,4,7,8-HxCDF

230612R5_3

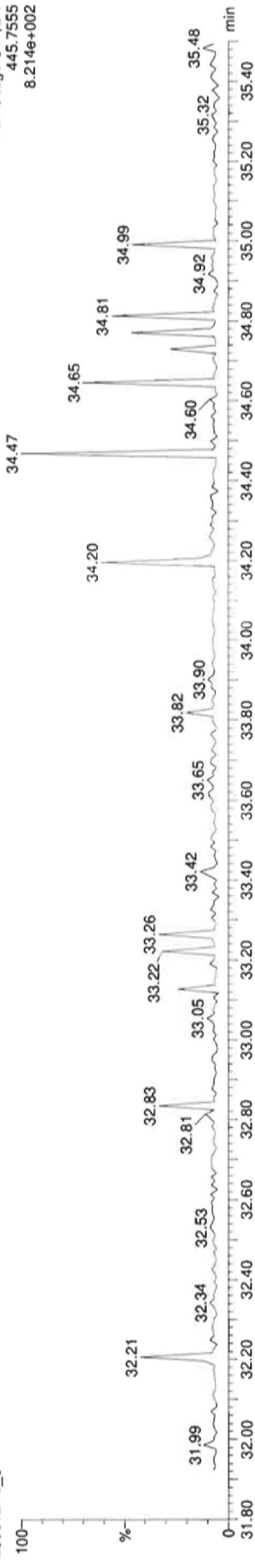


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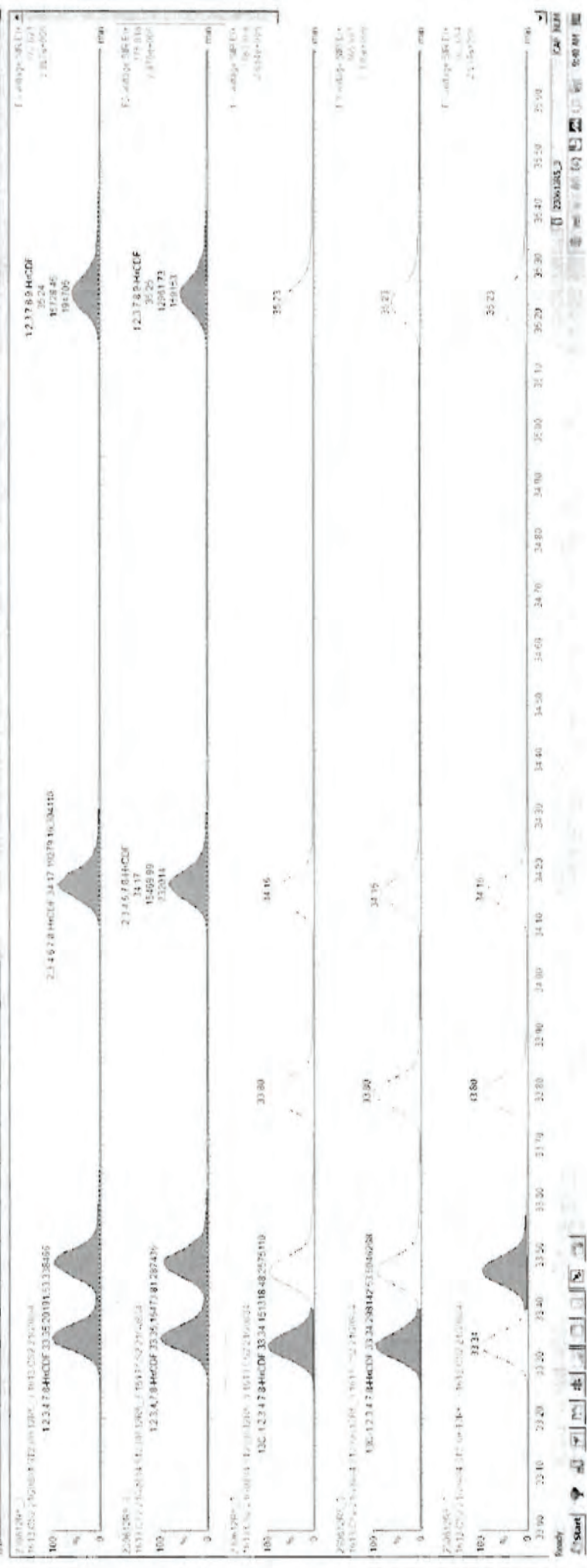
DPE3

230612R5_3



230612R5 3- ST2306012R5 3 1813 GS2 21G0804 - 1813 GS2 21G0804

SL	Name	Temp	RA	dy	RRP	RRP	RT	Conc	Slab	DL	ELPC
45	Total Design Forces				0.01	1.000		19.4		0.0745	19.4
46	Total Design Forces				0.01	1.000		19.4		0.0745	19.4
47	Total Design Forces				0.01	1.000		19.4		0.0745	19.4
48	DR1										
49	DR2										
50	DR3										
51	DR4										
52	DR5										
53	DR6										
54	DR7										
55	DR8										
56	DR9										
57	DR10										
58	DR11										

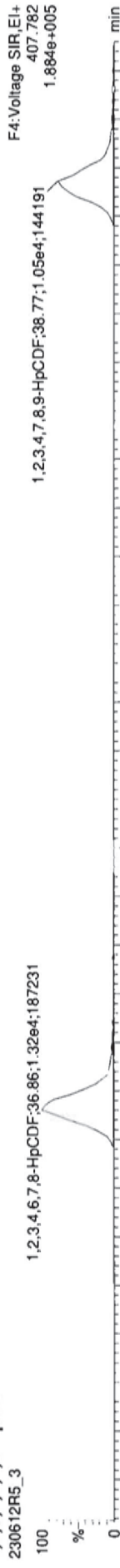


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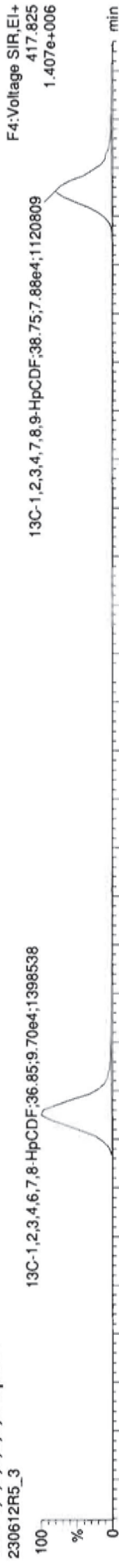
1,2,3,4,6,7,8-HpCDF



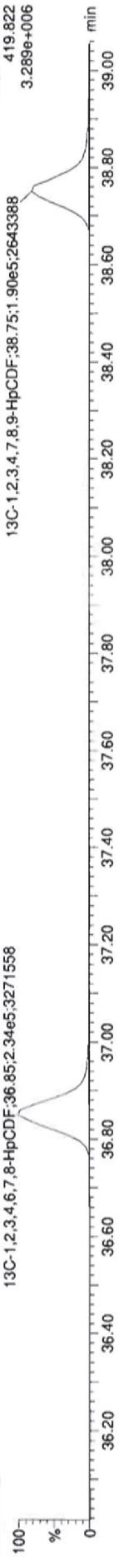
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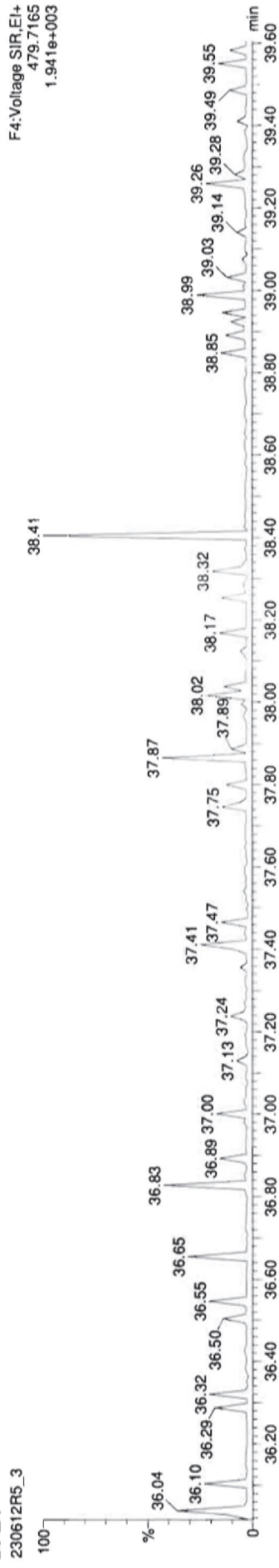
13C-1,2,3,4,6,7,8-HpCDF



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



DPE4



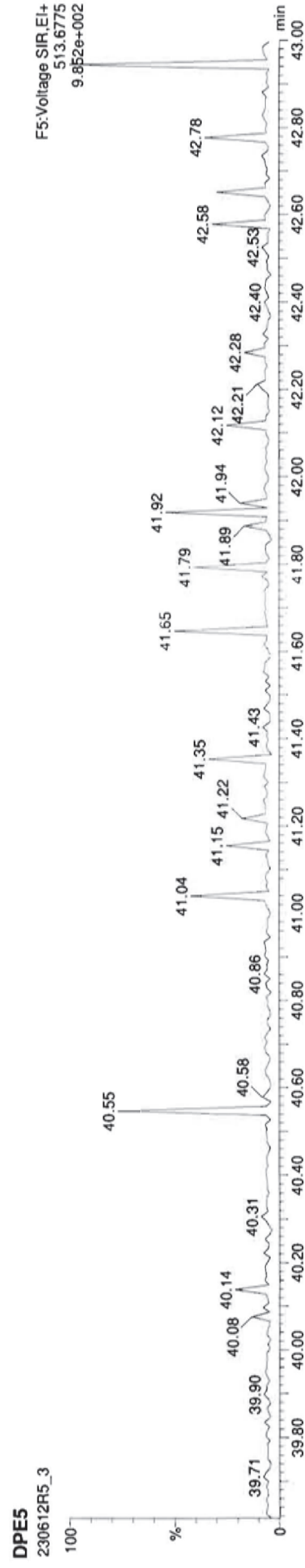
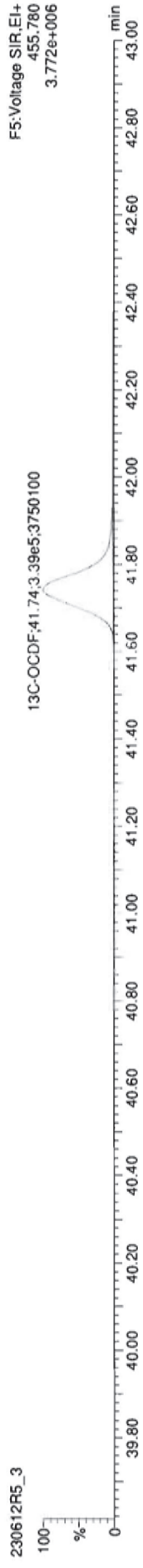
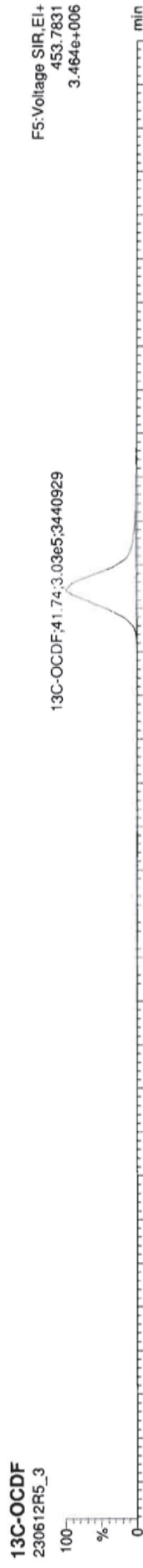
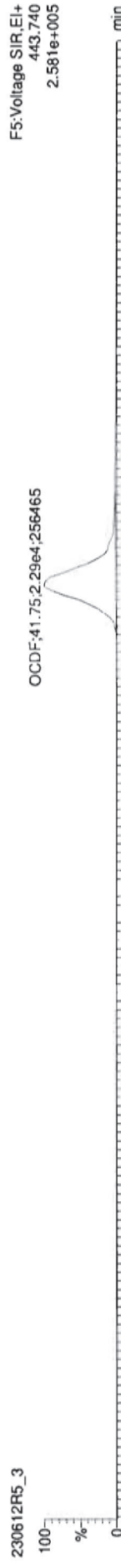
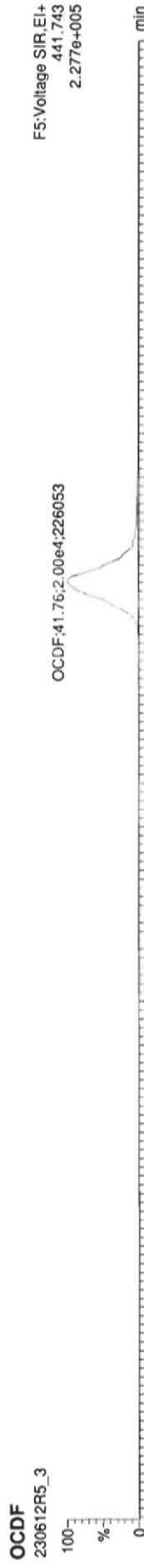
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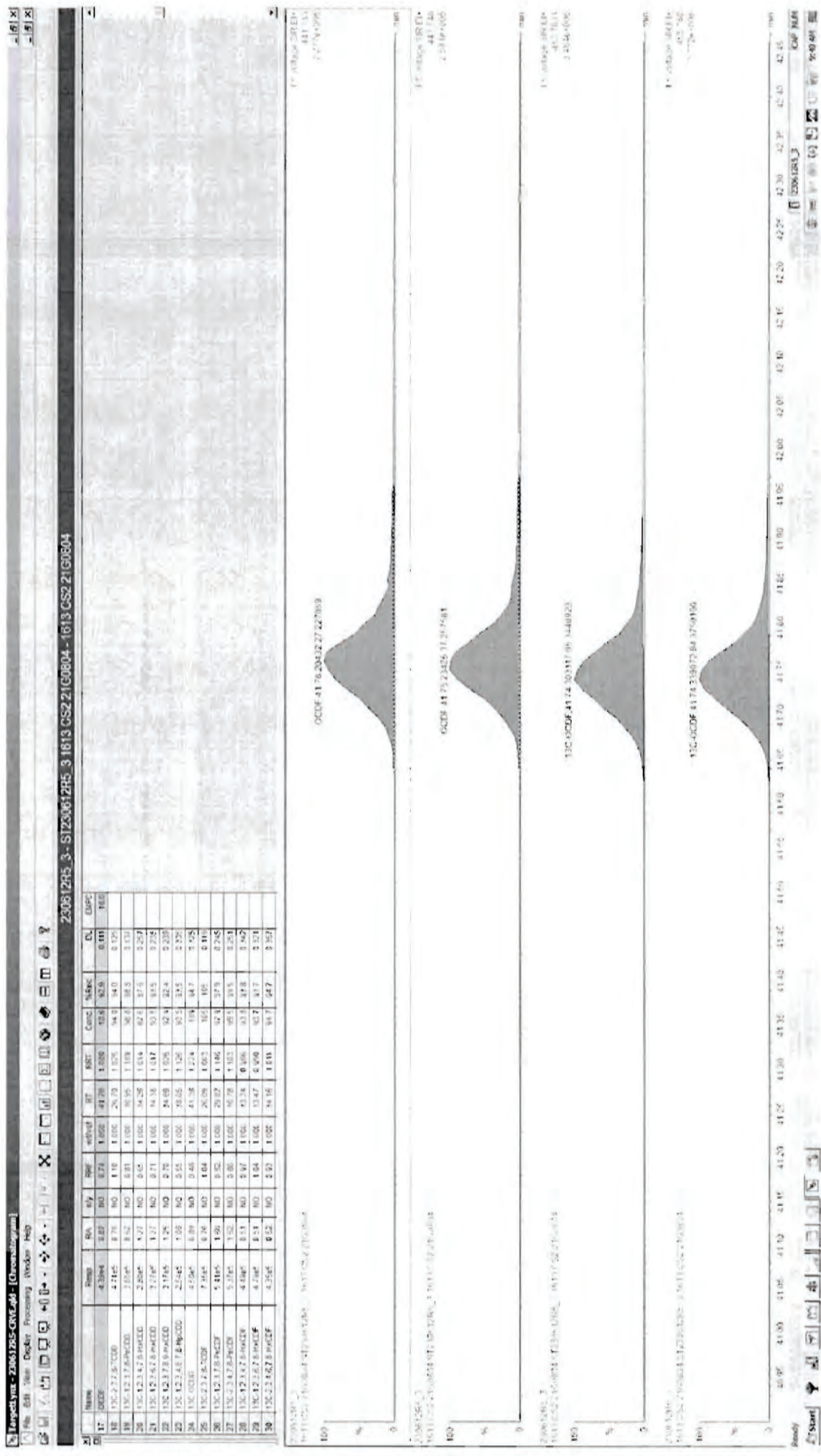


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Name: 230612R5_3, Date: 12-Jun-2023, Time: 20:21:36, ID: ST230612R5_3 1613 CS2 21G0804, Description: 1613 CS2 21G0804

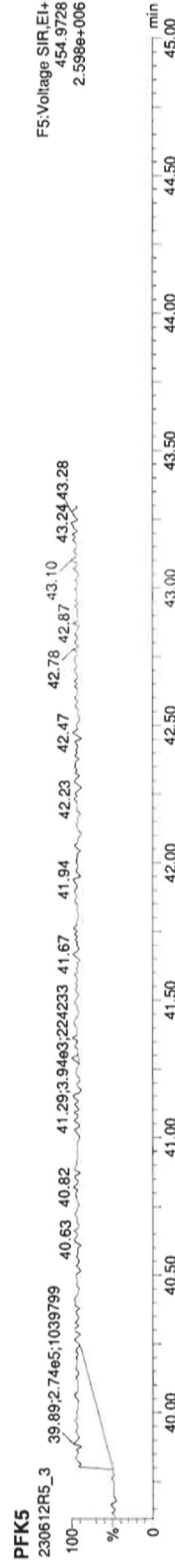
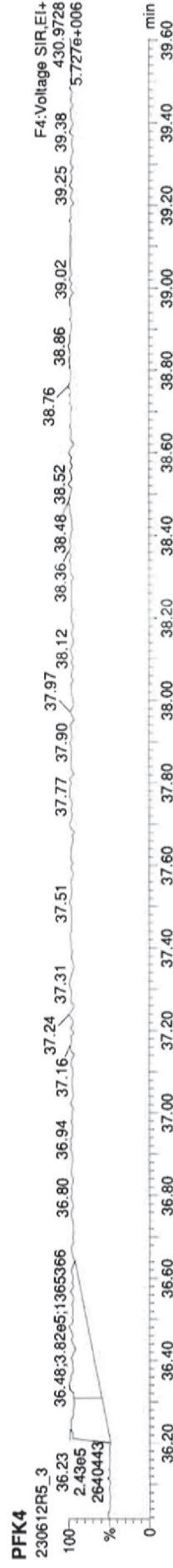
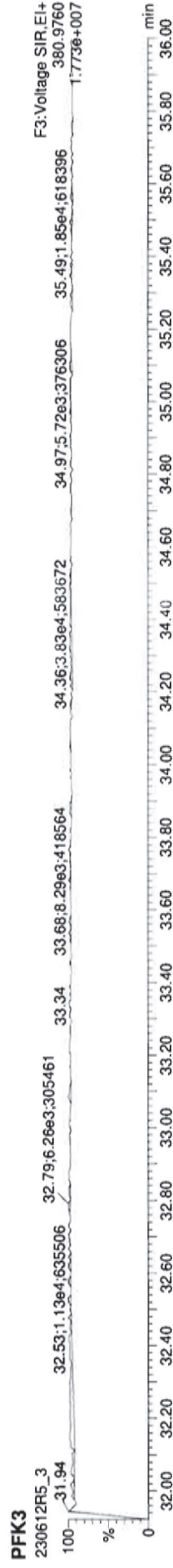
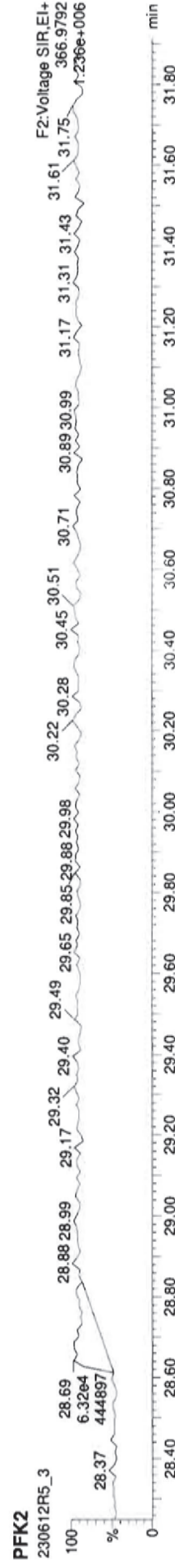
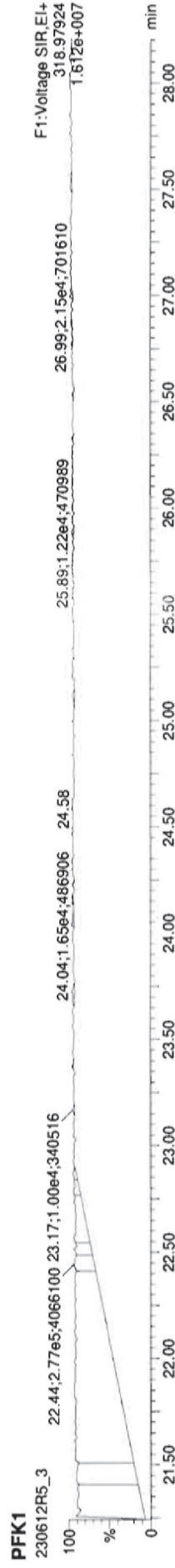




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Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

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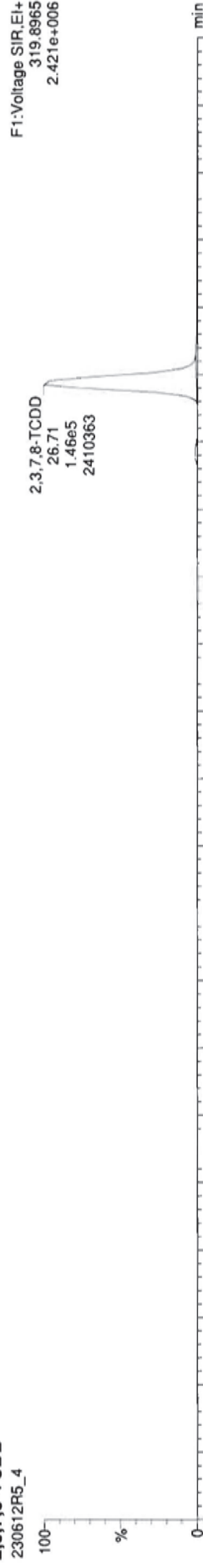
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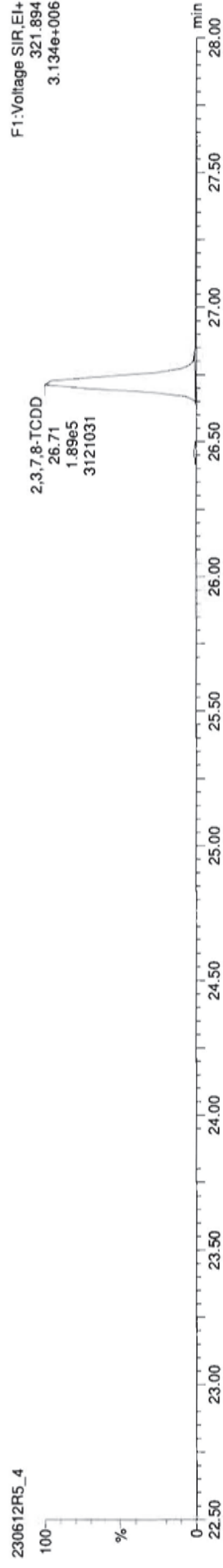
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2,3,7,8-TCDD

230612R5_4

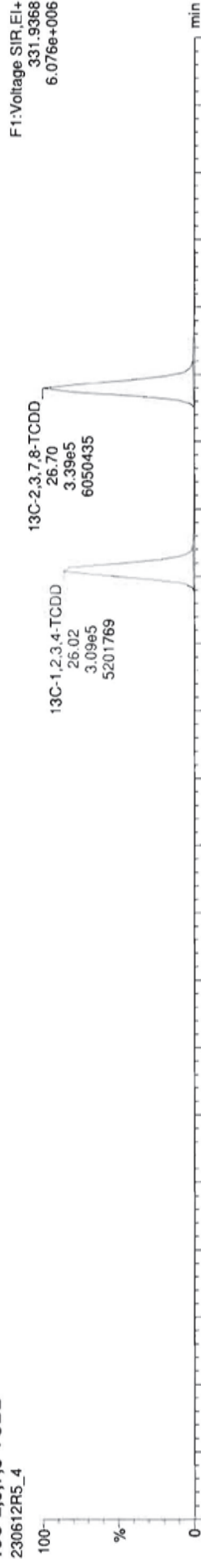


230612R5_4

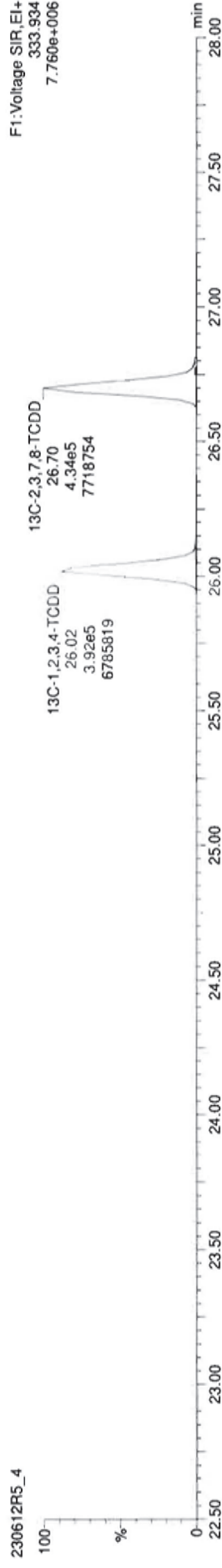


13C-2,3,7,8-TCDD

230612R5_4



230612R5_4



Quantify Sample Report

MassLynx 4.1 SCN815
Enthalpy Analytical EDH VG-12

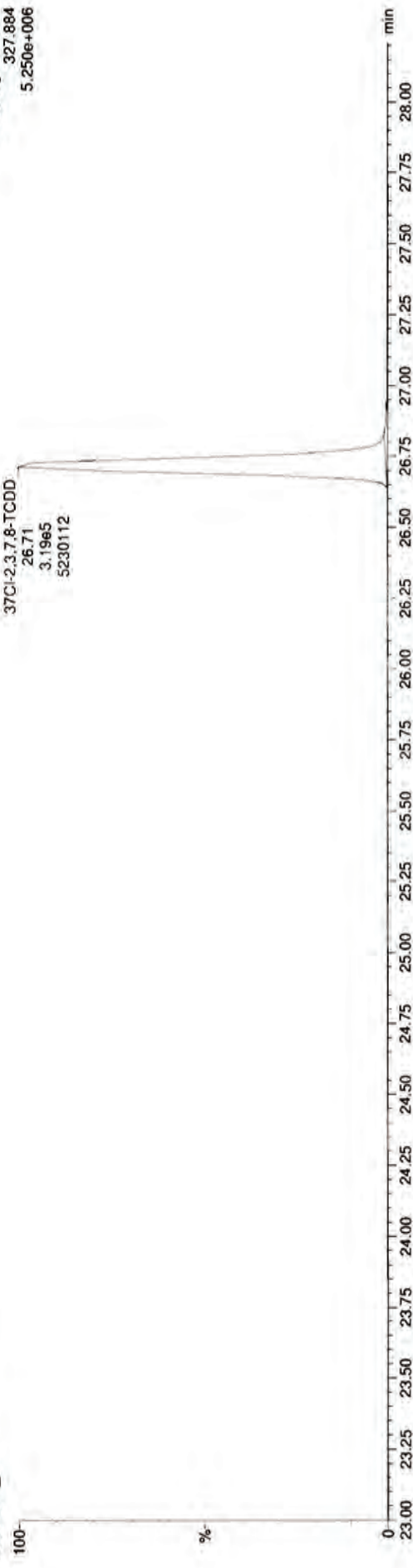
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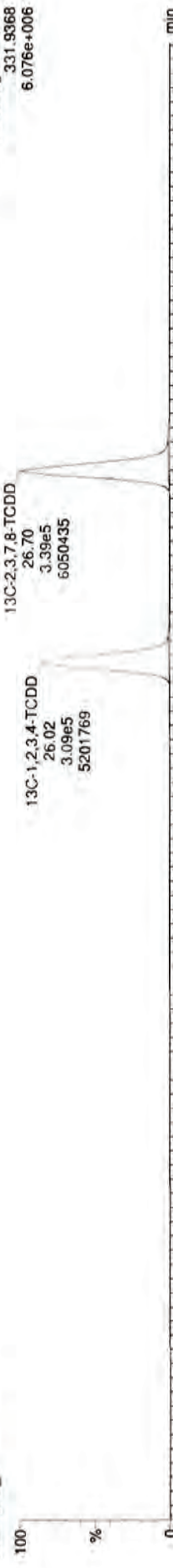
37Cl-2,3,7,8-TCDD

230612R5_4

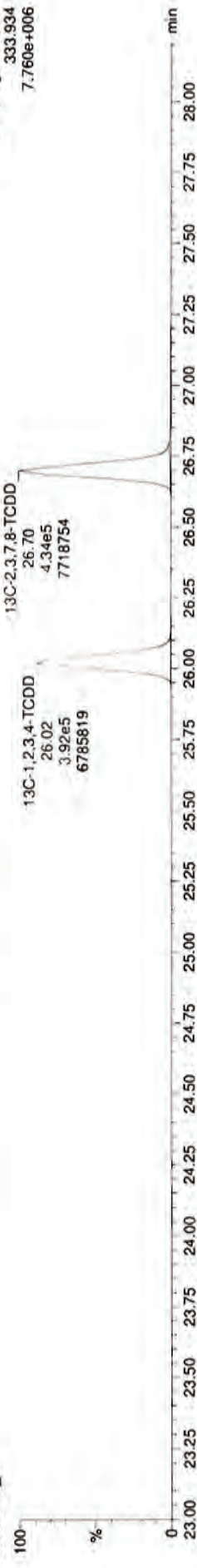


13C-1,2,3,4-TCDD

230612R5_4



230612R5_4



Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_4, Date: 12-Jun-2023, Time: 21:06:41, ID: ST230612R5_4 1613 CS4 23E1004, Description: 1613 CS4 23E1004

1,2,3,7,8-PeCDD

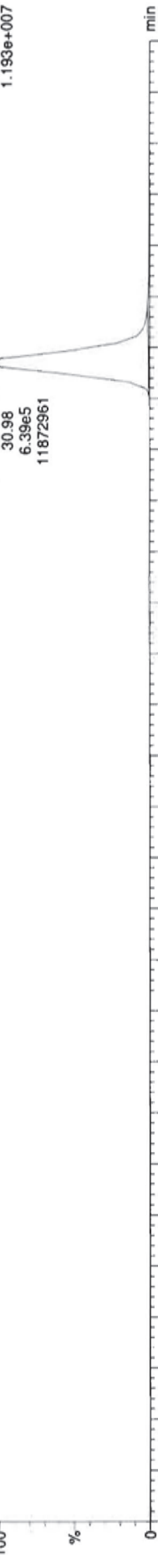
230612R5_4



F2: Voltage SIR, EI+
353.8576
7.621e+006

1,2,3,7,8-PeCDD

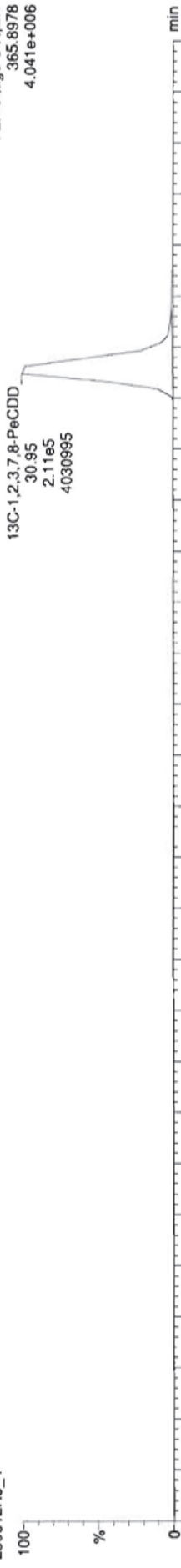
230612R5_4



F2: Voltage SIR, EI+
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1.193e+007

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

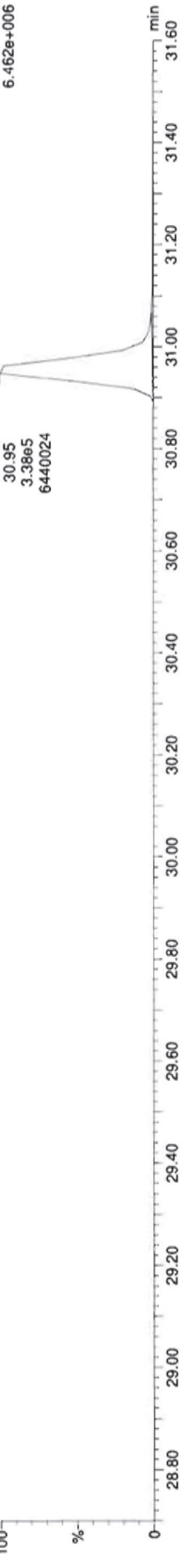
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F2: Voltage SIR, EI+
365.8978
4.041e+006

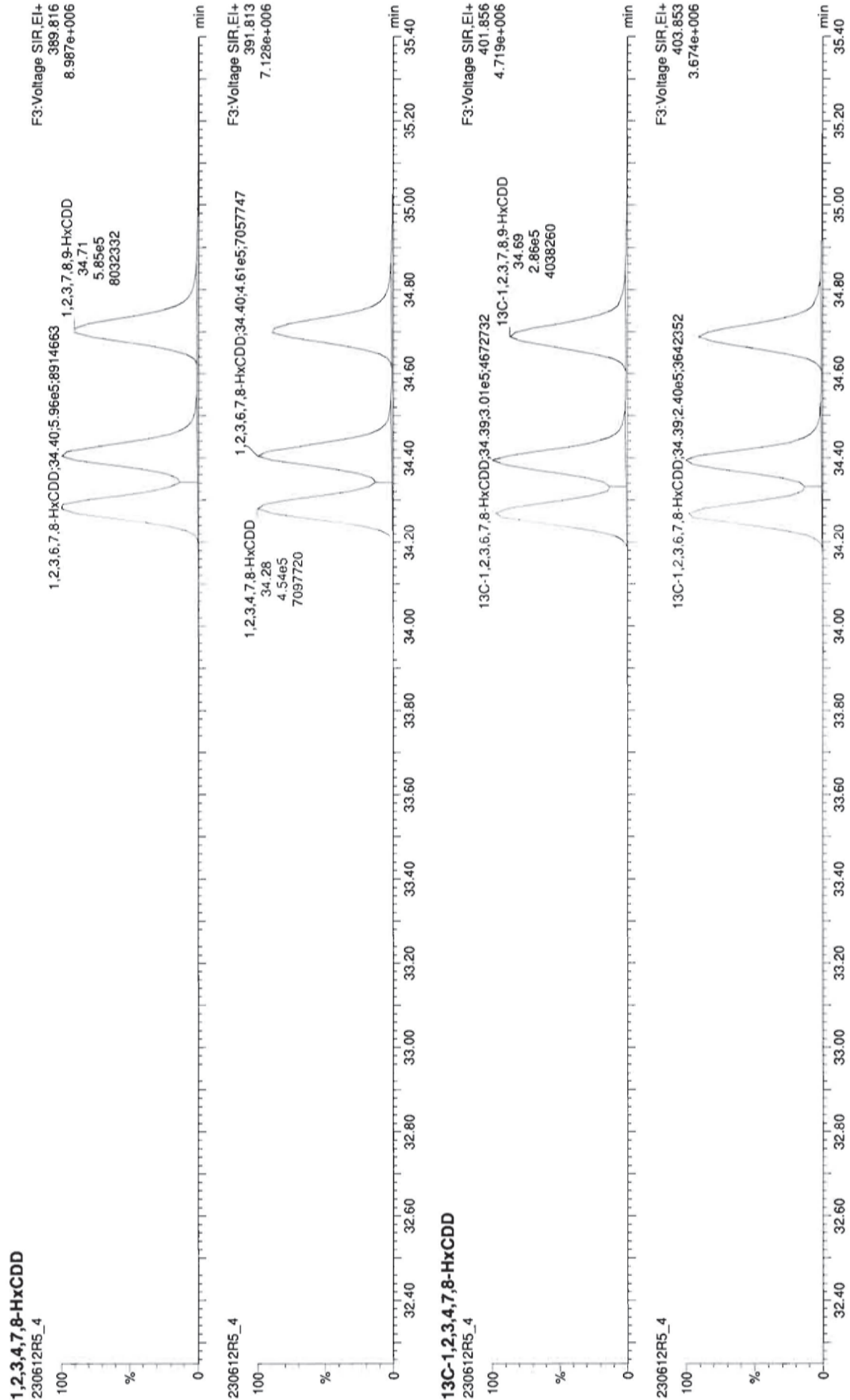
13C-1,2,3,7,8-PeCDD

230612R5_4



F2: Voltage SIR, EI+
367.895
6.462e+006

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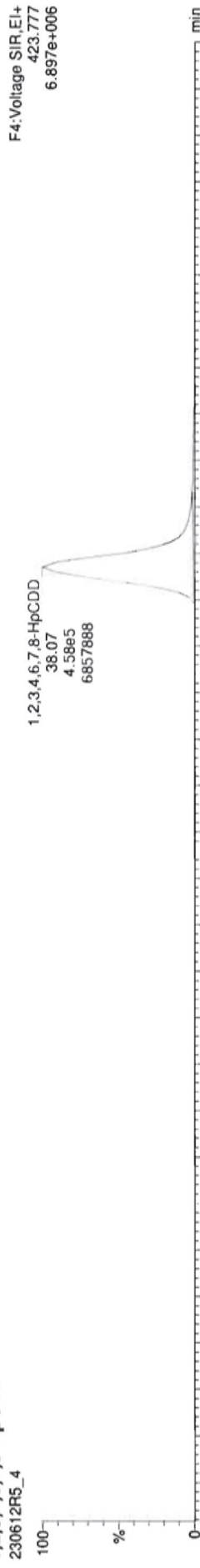
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Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
 Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

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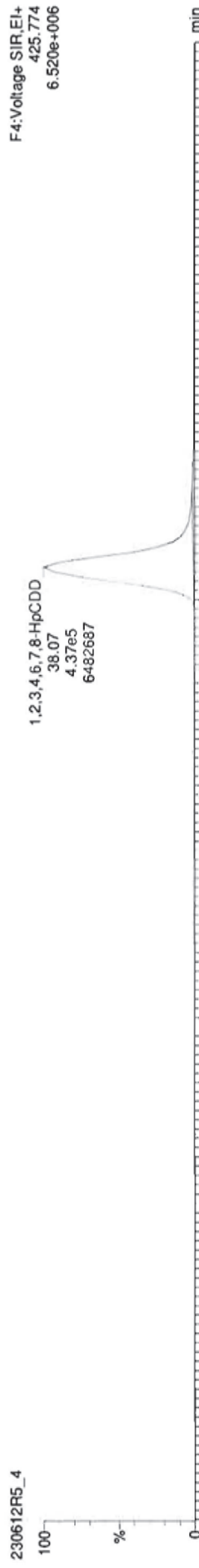
1,2,3,4,6,7,8-HpCDD

230612R5_4



F4:Voltage SIR, EI+
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 6.897e+006

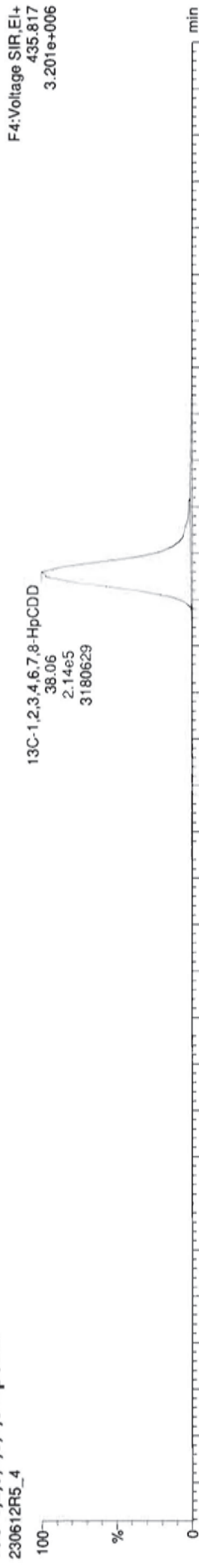
230612R5_4



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 6.520e+006

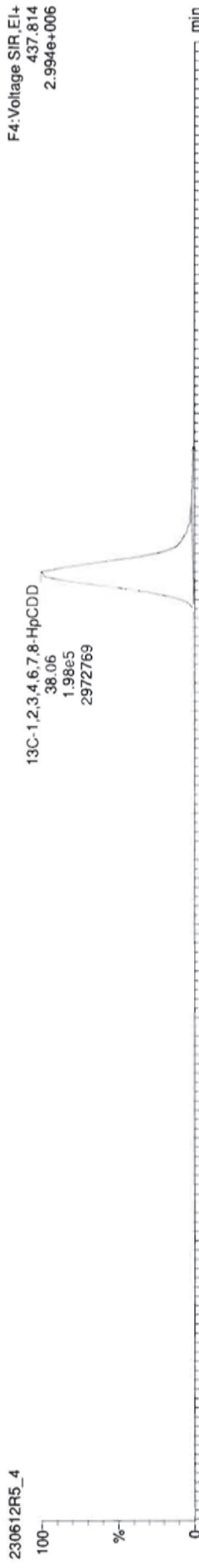
13C-1,2,3,4,6,7,8-HpCDD

230612R5_4



F4:Voltage SIR, EI+
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 3.201e+006

230612R5_4

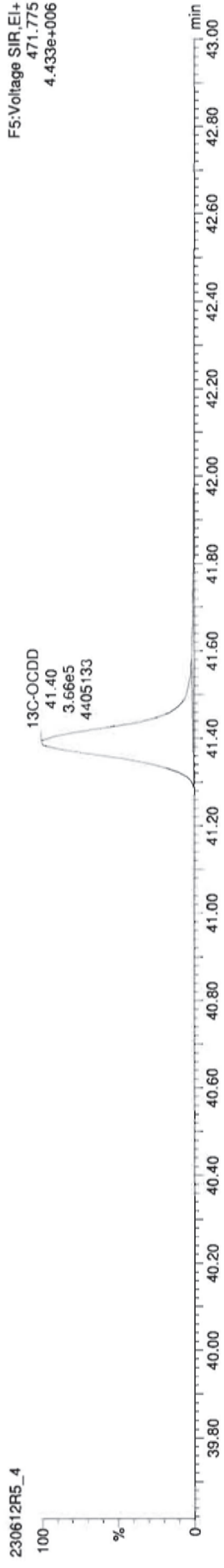
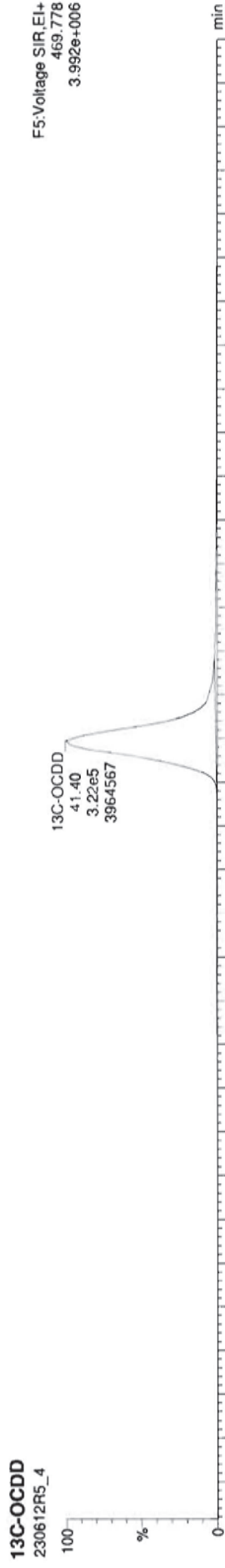
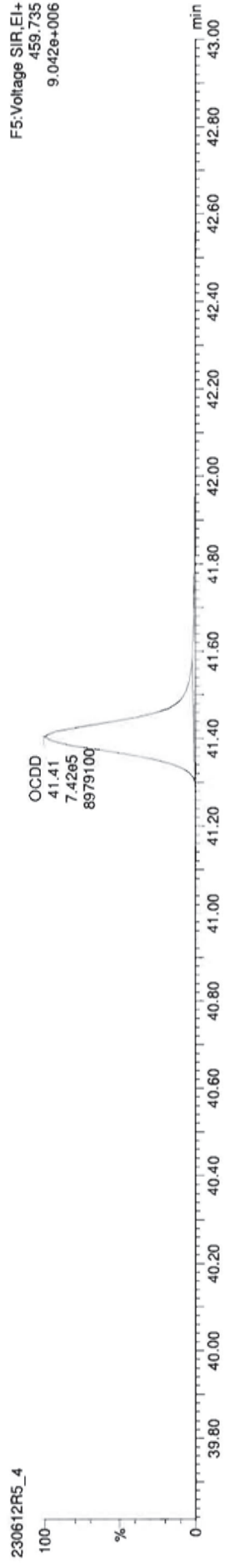
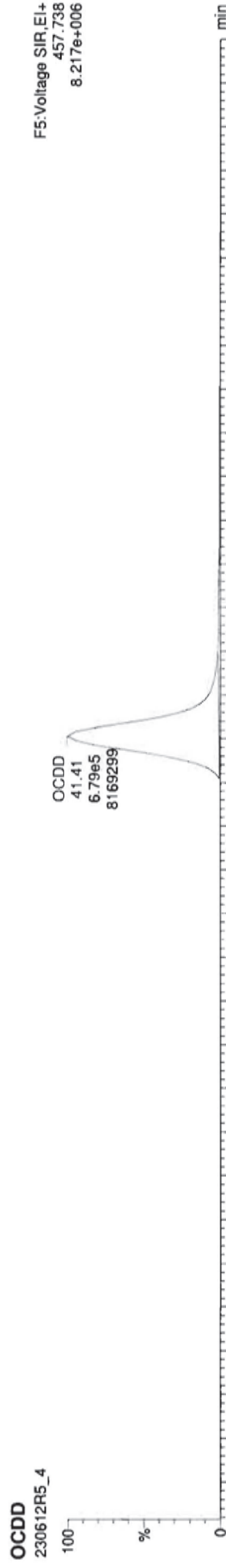


F4:Voltage SIR, EI+
 437.814
 2.994e+006

Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_4, Date: 12-Jun-2023, Time: 21:06:41, ID: ST230612R5_4 1613 CS4 23E1004, Description: 1613 CS4 23E1004



Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:15 Pacific Daylight Time
 Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

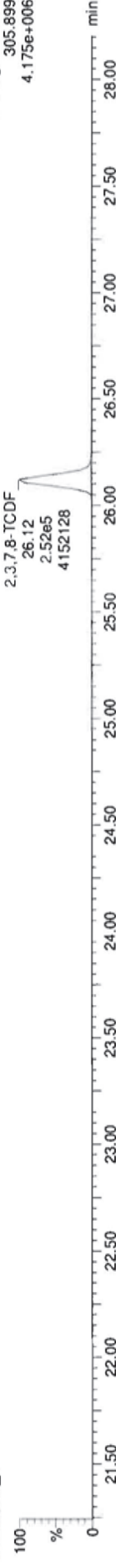
Name: 230612R5_4, Date: 12-Jun-2023, Time: 21:06:41, ID: ST230612R5_4 1613 CS4 23E1004, Description: 1613 CS4 23E1004

2,3,7,8-TCDF

230612R5_4

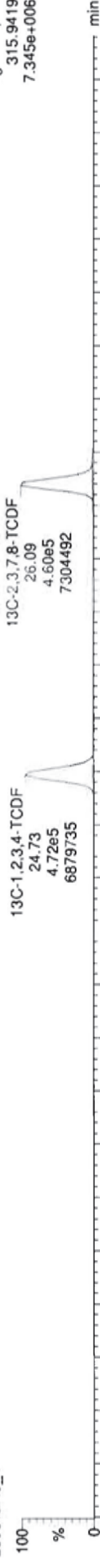


230612R5_4

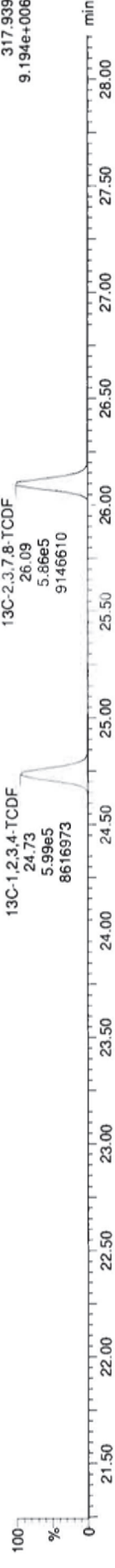


13C-2,3,7,8-TCDF

230612R5_4

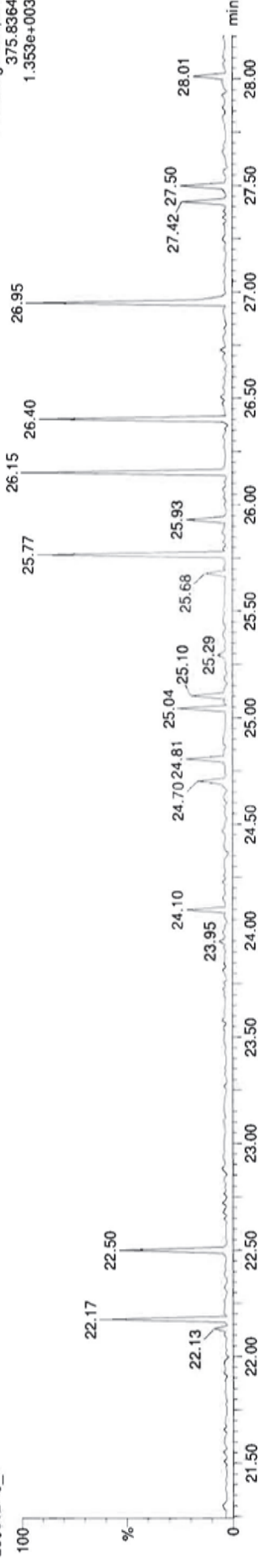


230612R5_4



DPE1

230612R5_4



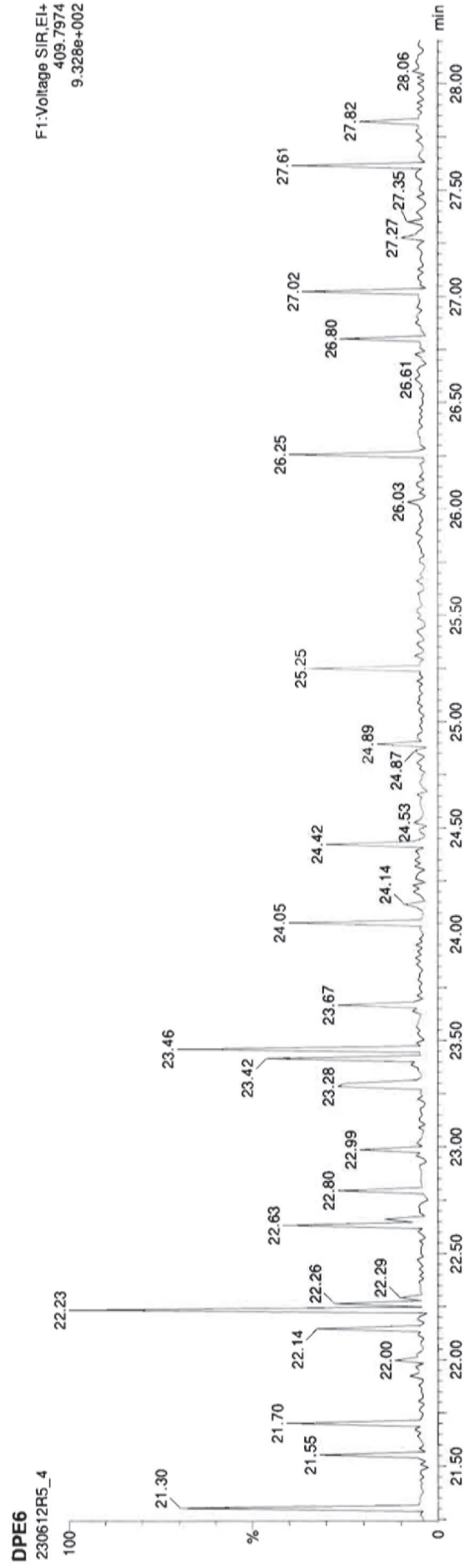
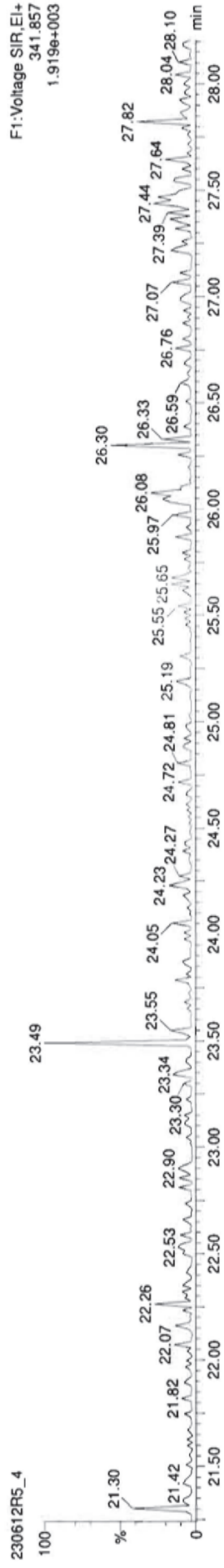
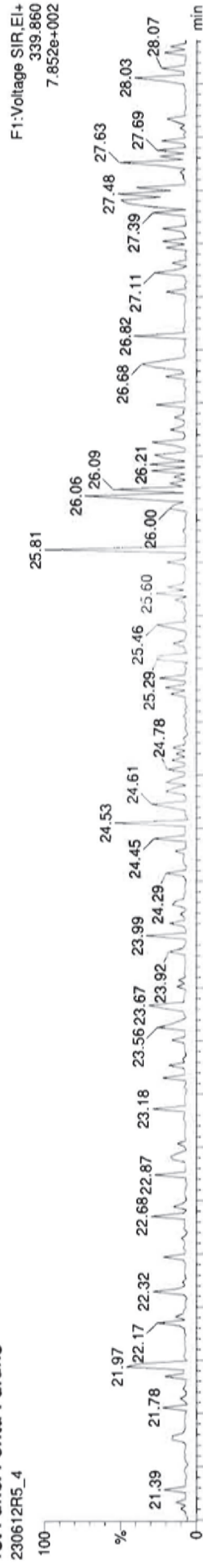
Quantify Sample Report
Enthalpy Analytical EDH VG-12

Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_4, Date: 12-Jun-2023, Time: 21:06:41, ID: ST230612R5_4 1613 CS4 23E1004, Description: 1613 CS4 23E1004

1st Func. Penta-Furans

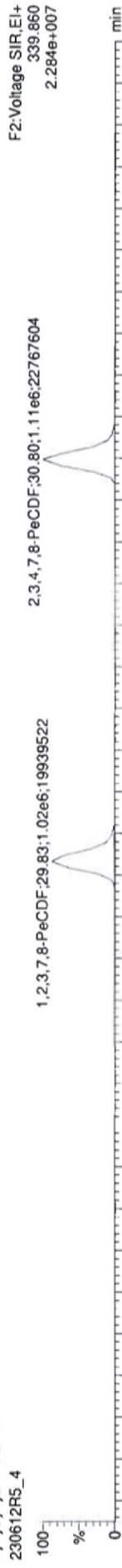


Dataset: Untitled

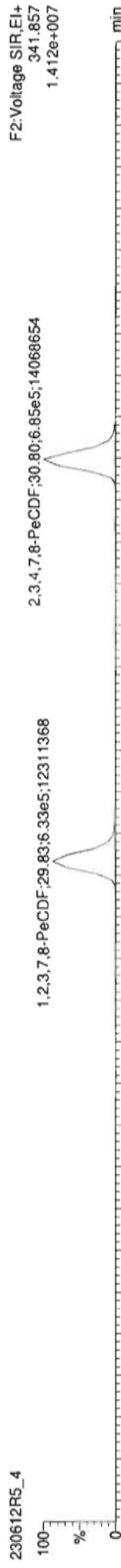
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Name: 230612R5_4, Date: 12-Jun-2023, Time: 21:06:41, ID: ST230612R5_4 1613 CS4 23E1004, Description: 1613 CS4 23E1004

1,2,3,7,8-PeCDF



230612R5_4



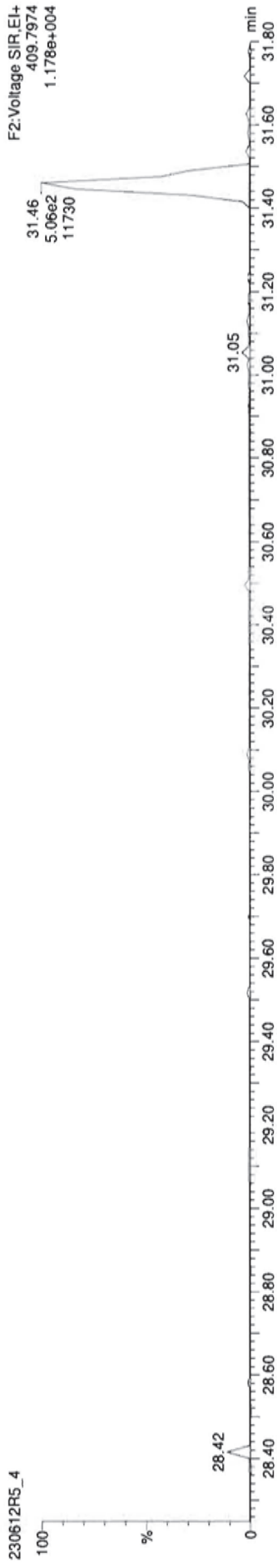
13C-1,2,3,7,8-PeCDF



230612R5_4



DPE2



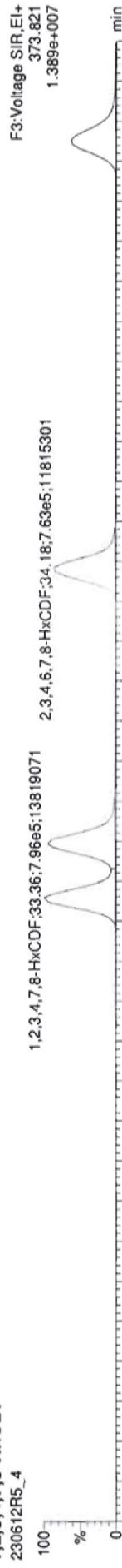
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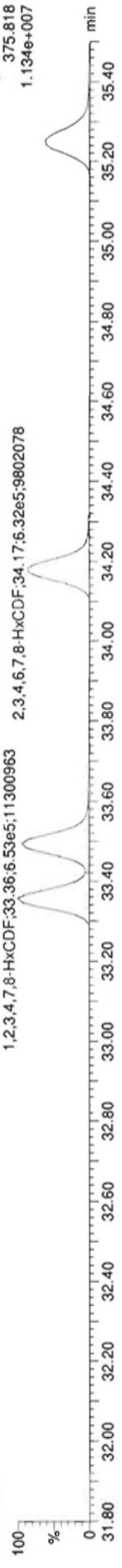
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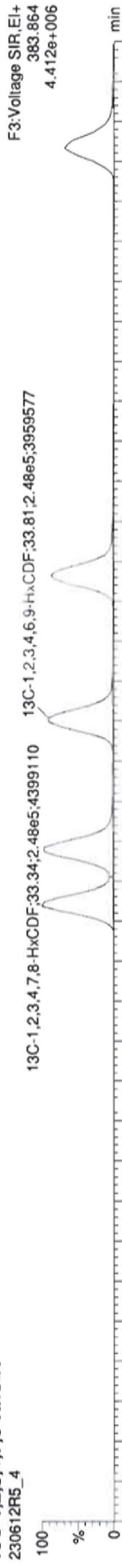
1,2,3,4,7,8-HxCDF



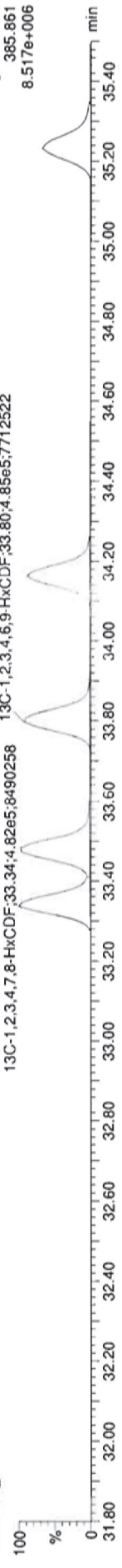
230612R5_4



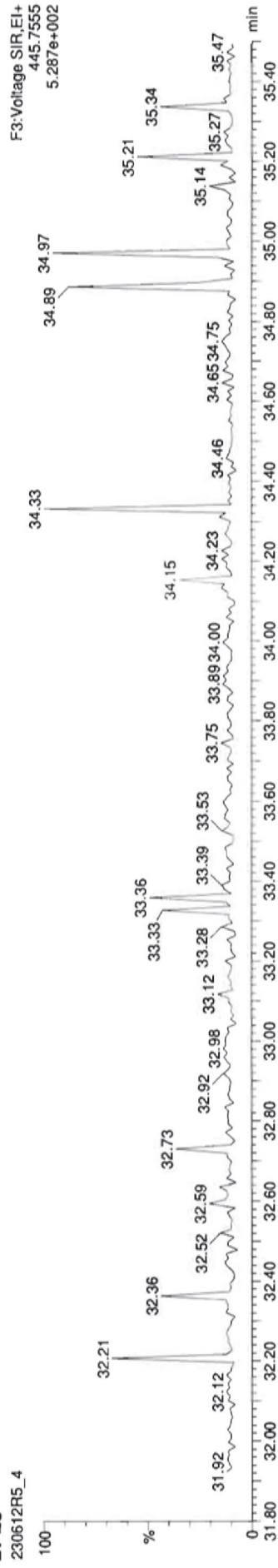
13C-1,2,3,4,7,8-HxCDF



230612R5_4



DPE3



Dataset: Untitled

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

230612R5_4

1,2,3,4,6,7,8-HpCDF;36.87;5.43e5;7852220

1,2,3,4,7,8,9-HpCDF;38.77;4.56e5;6332350
 F4:Voltage SIR,El+
 407.782
 7.907e+006

230612R5_4

1,2,3,4,6,7,8-HpCDF;36.87;5.42e5;7817738

1,2,3,4,7,8,9-HpCDF;38.77;4.55e5;6290865
 F4:Voltage SIR,El+
 409.779
 7.856e+006

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

230612R5_4

13C-1,2,3,4,6,7,8-HpCDF;36.86;1.67e5;2431753

13C-1,2,3,4,7,8,9-HpCDF;38.76;1.25e5;1756491
 F4:Voltage SIR,El+
 417.825
 2.444e+006

230612R5_4

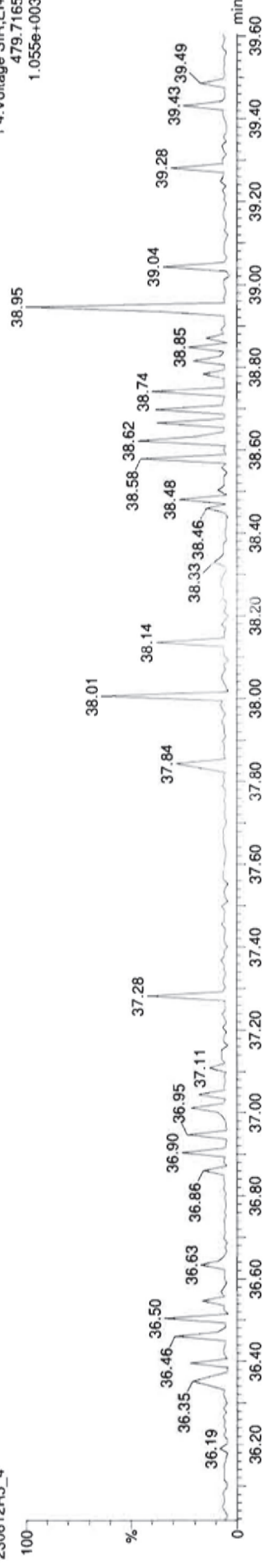
13C-1,2,3,4,6,7,8-HpCDF;36.86;3.95e5;5711911

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 F4:Voltage SIR,El+
 419.822
 5.737e+006

DPE4

230612R5_4

F4:Voltage SIR,El+
 479.7165
 1.055e+003



Dataset: Untitled

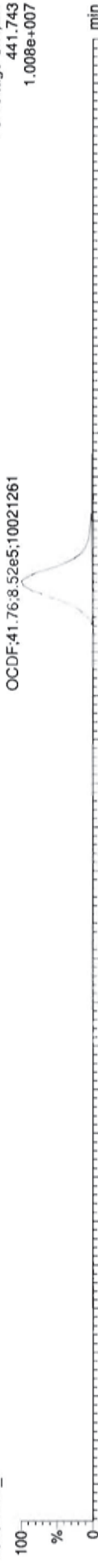
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Printed: Tuesday, June 13, 2023 09:32 Pacific Daylight Time

Name: 230612R5_4, Date: 12-Jun-2023, Time: 21:06:41, ID: ST230612R5_4 1613 CS4 23E1004, Description: 1613 CS4 23E1004

OCDF

230612R5_4

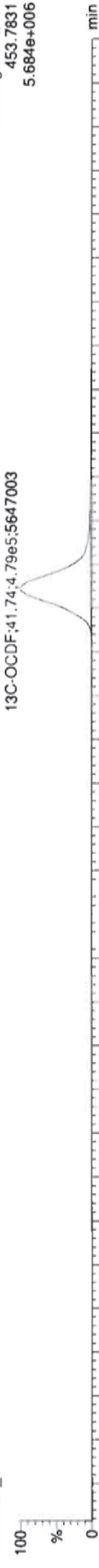


230612R5_4



13C-OCDF

230612R5_4



230612R5_4



DPE5

230612R5_4



Dataset: Untitled

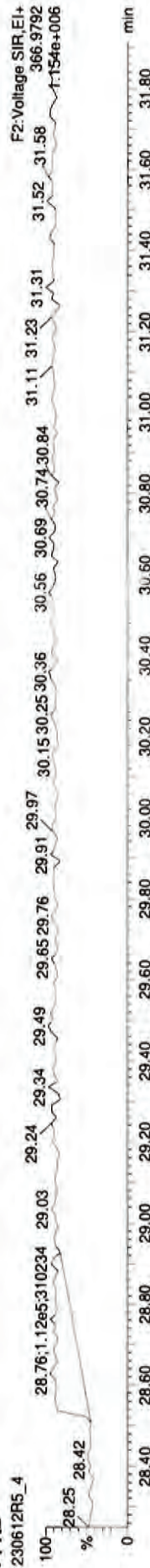
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Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

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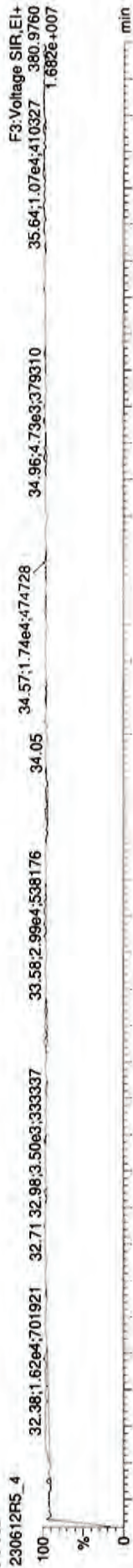
PFK1



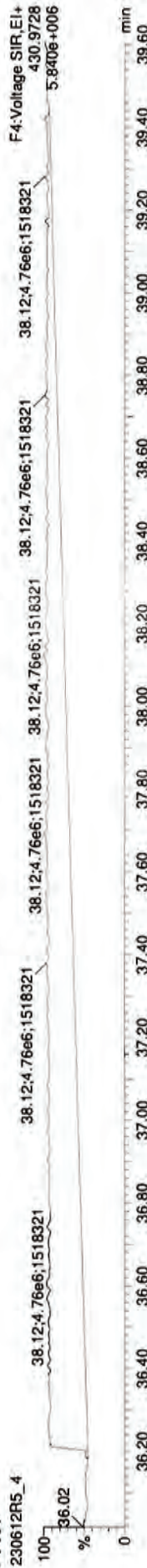
PFK2



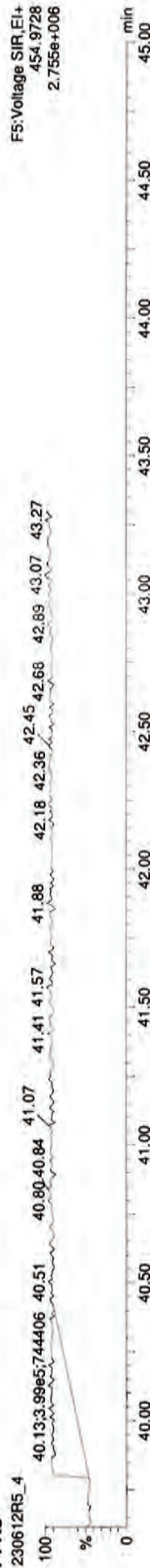
PFK3



PFK4



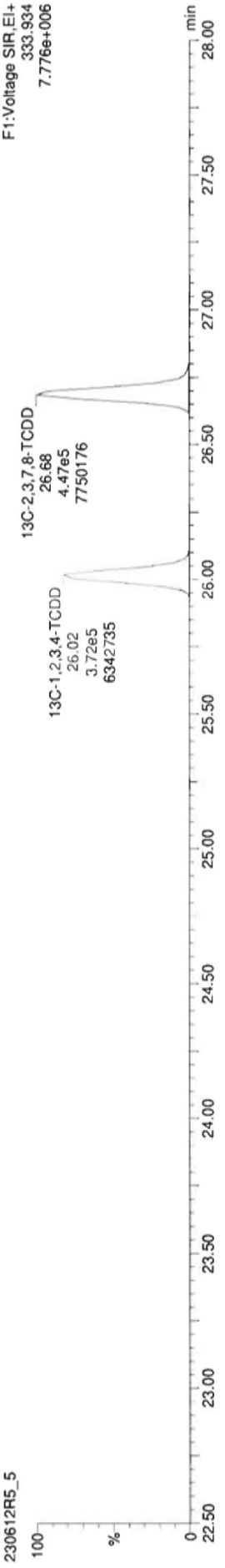
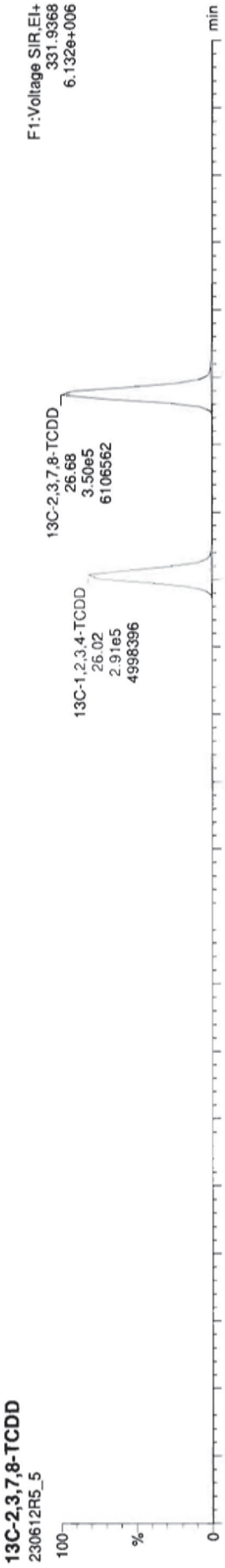
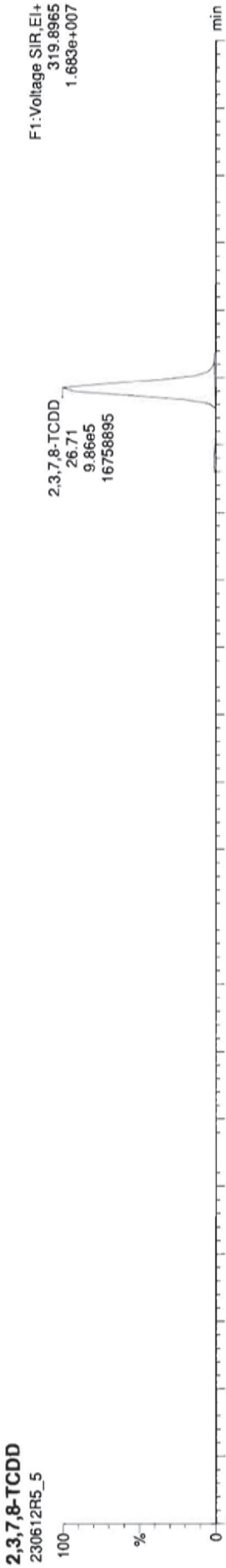
PFK5



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Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

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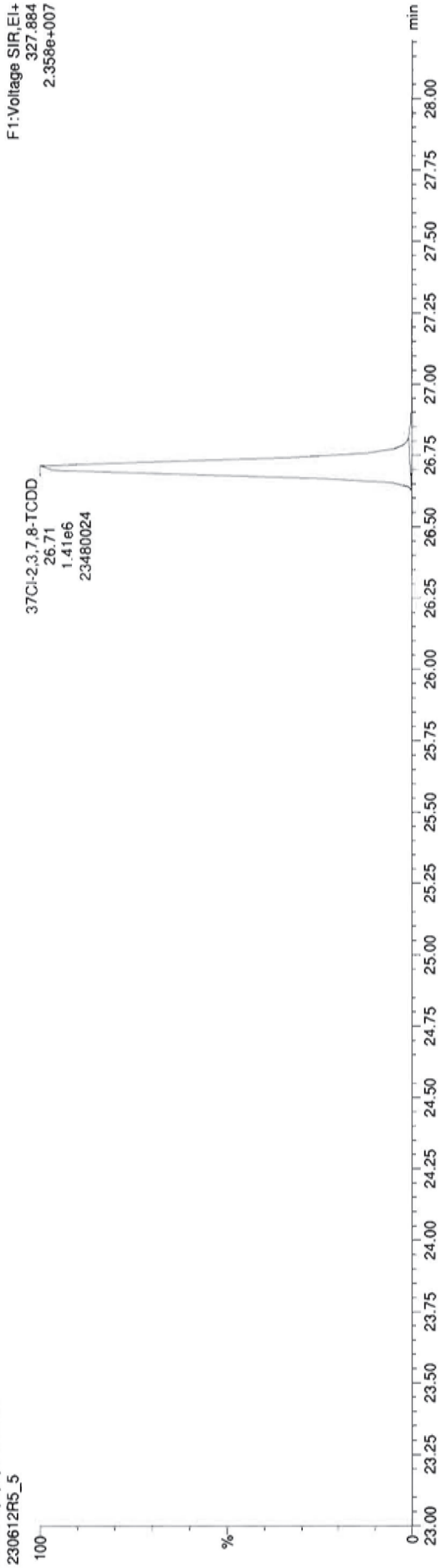
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Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

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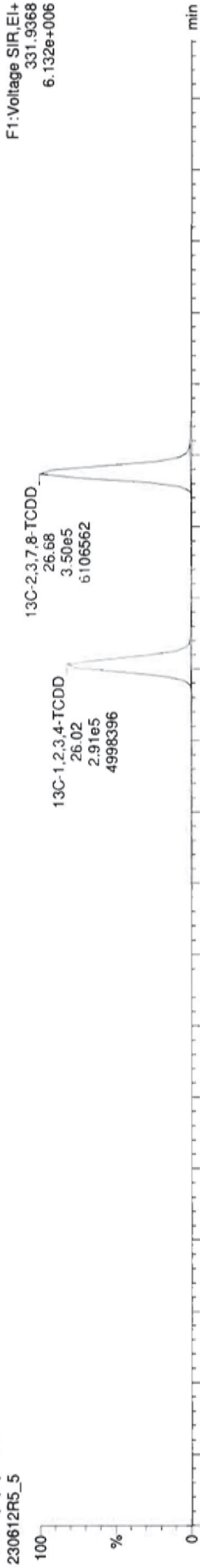
37Cl-2,3,7,8-TCDD

230612R5_5

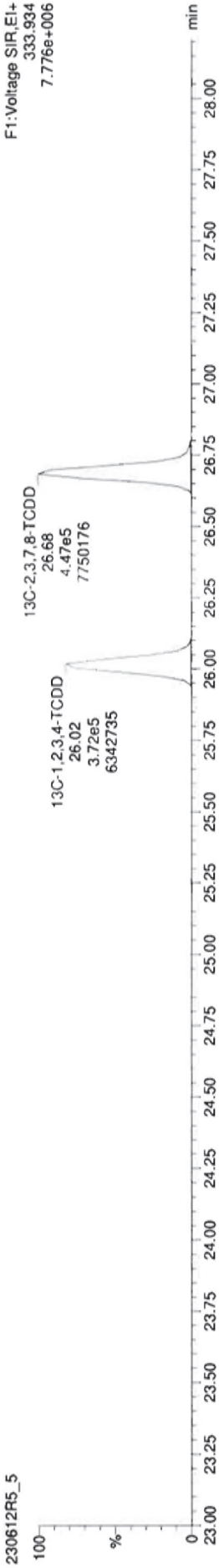


13C-1,2,3,4-TCDD

230612R5_5



230612R5_5



Dataset: Untitled

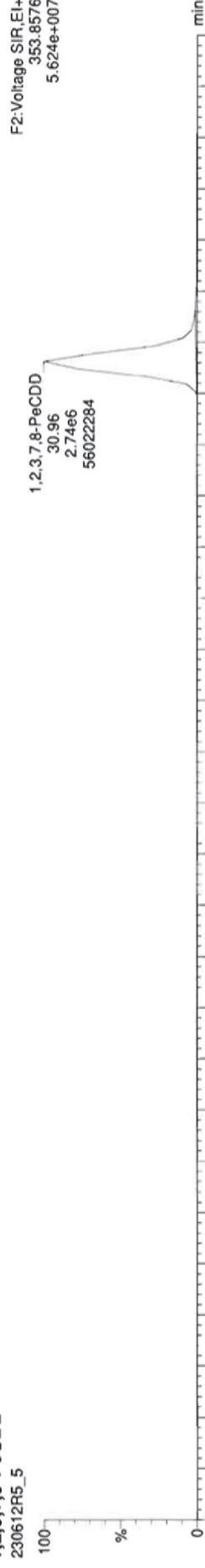
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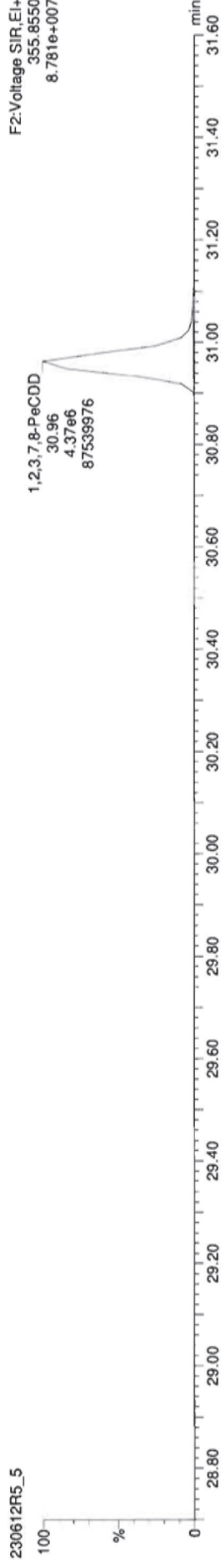
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1,2,3,7,8-PeCDD

230612R5_5

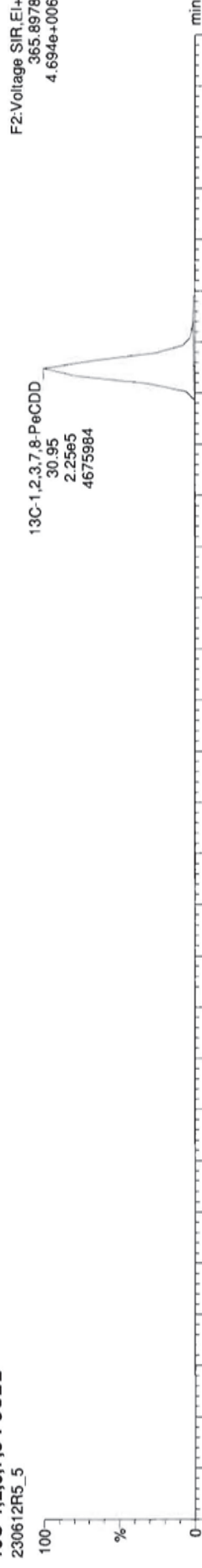


230612R5_5

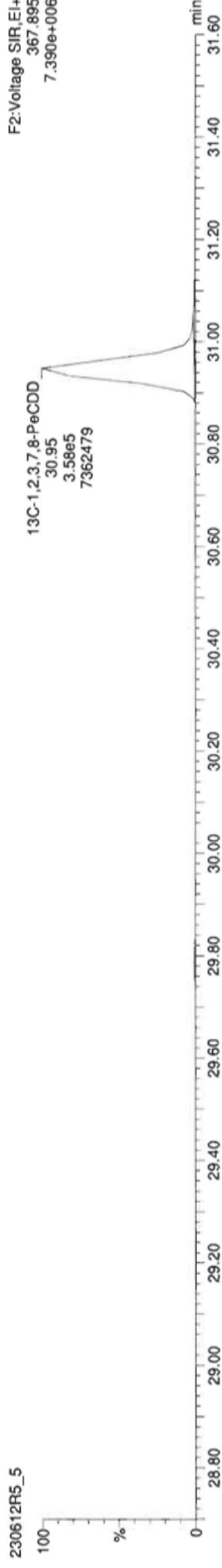


13C-1,2,3,7,8-PeCDD

230612R5_5



230612R5_5

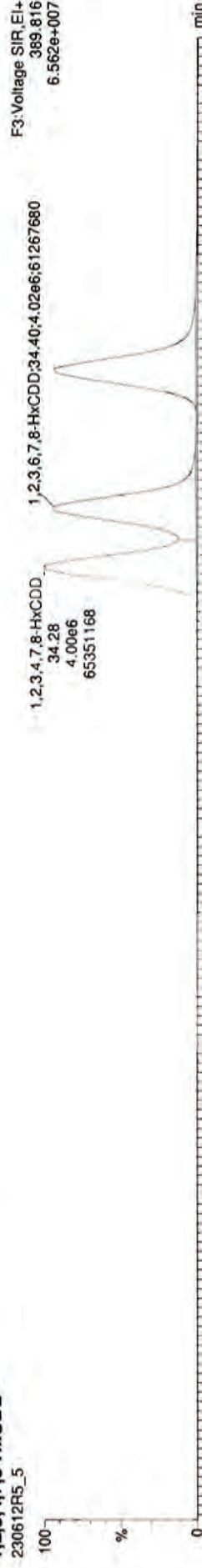


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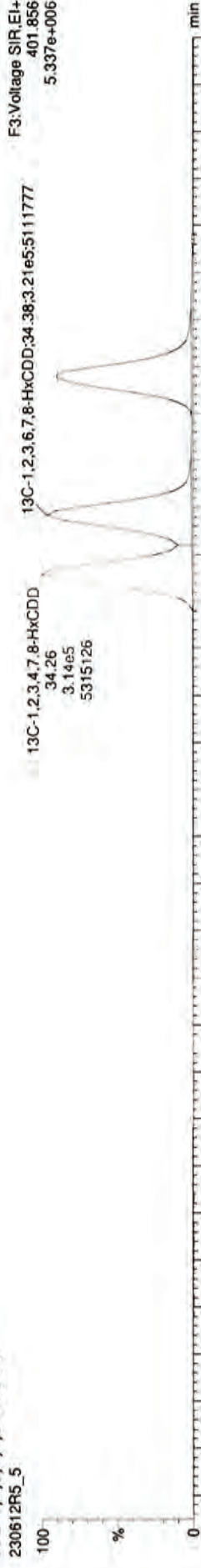
1,2,3,4,7,8-HxCDD



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



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



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



Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:15 Pacific Daylight Time
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Name: 230612R5_5, Date: 12-Jun-2023, Time: 21:51:37, ID: ST230612R5_5 1613 CS5 23E1005, Description: 1613 CS5 23E1005

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

230612R5_5



F4: Voltage SIR, EI+
423.777
5.192e+007

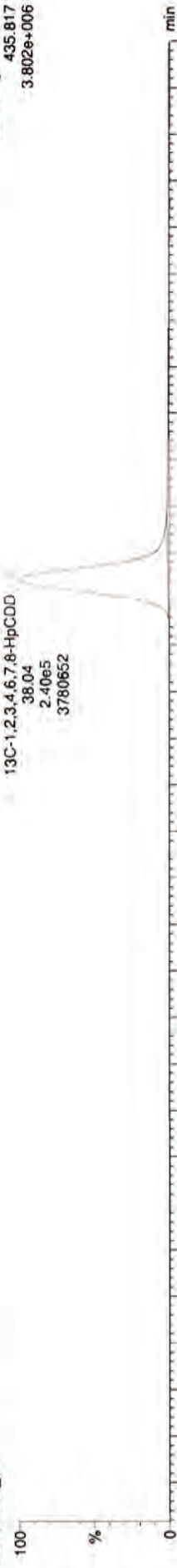
230612R5_5



F4: Voltage SIR, EI+
425.774
4.904e+007

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

230612R5_5



F4: Voltage SIR, EI+
435.817
3.802e+006

230612R5_5



F4: Voltage SIR, EI+
437.814
3.564e+006

Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:15 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:32 Pacific Daylight Time

Name: 230612R5_5, Date: 12-Jun-2023, Time: 21:51:37, ID: ST230612R5_5 1613 CS5 23E1005, Description: 1613 CS5 23E1005



Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_5, Date: 12-Jun-2023, Time: 21:51:37, ID: ST230612R5_5 1613 CS5 23E1005, Description: 1613 CS5 23E1005

2,3,7,8-TCDF

230612R5_5

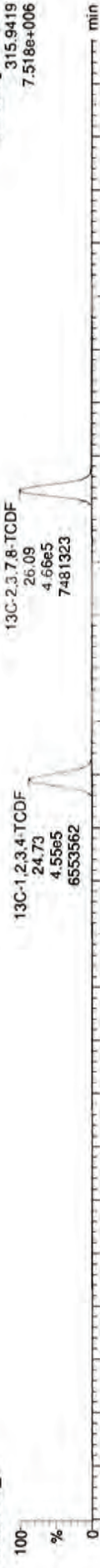


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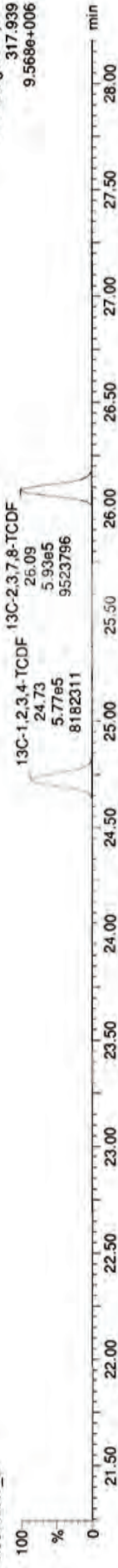


13C-2,3,7,8-TCDF

230612R5_5

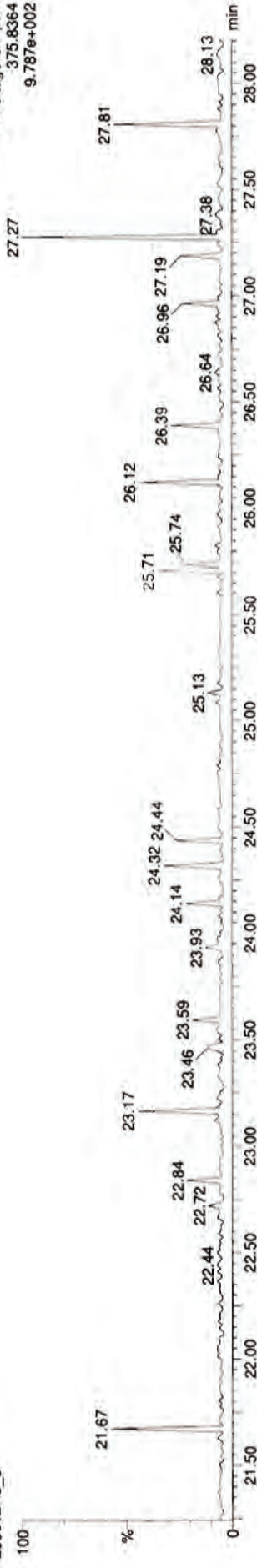


230612R5_5



DPE1

230612R5_5

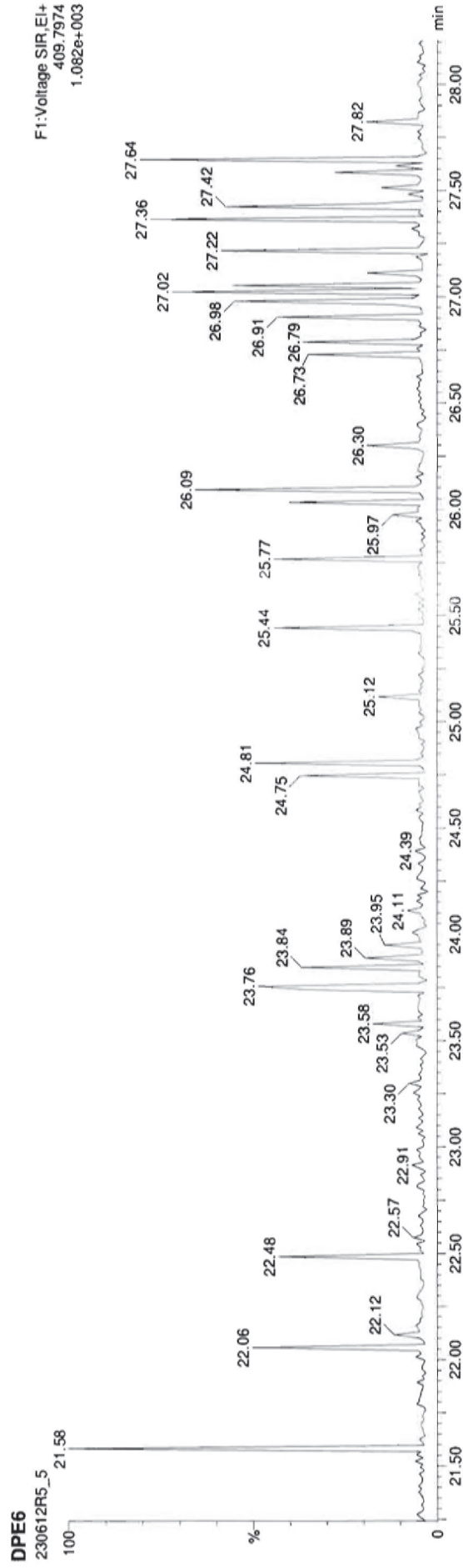
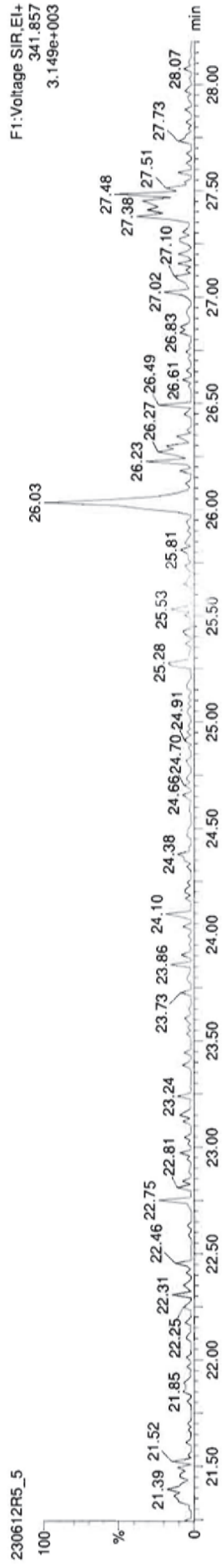


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Name: 230612R5_5, Date: 12-Jun-2023, Time: 21:51:37, ID: ST230612R5_5 1613 CS5 23E1005, Description: 1613 CS5 23E1005

1st Func. Penta-Furans



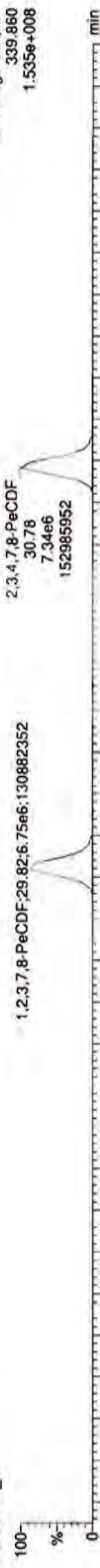
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Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_5, Date: 12-Jun-2023, Time: 21:51:37, ID: ST230612R5_5 1613 CS5 23E1005, Description: 1613 CS5 23E1005

1,2,3,7,8-PeCDF

230612R5_5

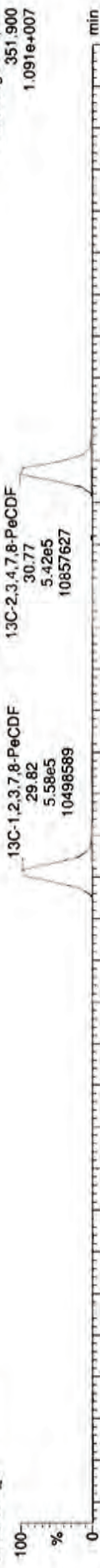


230612R5_5



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

230612R5_5



230612R5_5



DPE2

230612R5_5



Dataset: Untitled

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Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

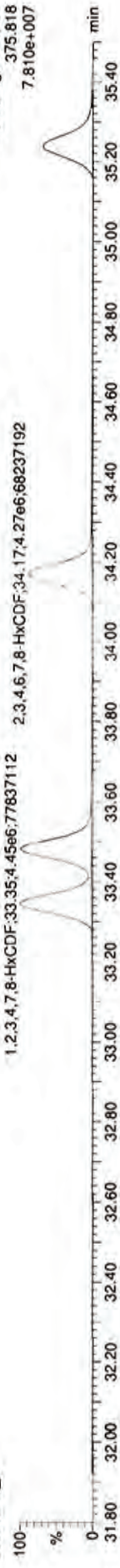
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1,2,3,4,7,8-HxCDF

230612R5_5



230612R5_5



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

230612R5_5



230612R5_5



DPE3

230612R5_5



Enthalpy Analytical EDH VG-12

Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time

Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_5, Date: 12-Jun-2023, Time: 21:51:37, ID: ST230612R5_5 1613 CS5 23E1005, Description: 1613 CS5 23E1005

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

230612R5_5

1,2,3,4,6,7,8-HpCDF:36.86;3.84e6;56400404

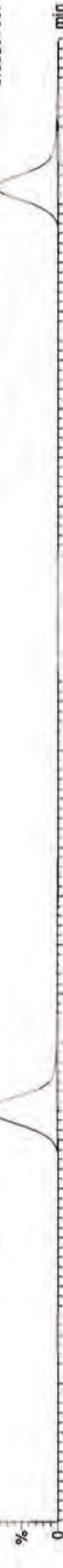
F4:Voltage SIR,EI+
407.782
5.670e+007



230612R5_5

1,2,3,4,6,7,8-HpCDF:36.86;3.81e6;56384376

F4:Voltage SIR,EI+
409.779
5.668e+007



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

230612R5_5

13C-1,2,3,4,6,7,8-HpCDF:36.85;1.85e5;2801076

F4:Voltage SIR,EI+
417.825
2.816e+006



230612R5_5

13C-1,2,3,4,6,7,8-HpCDF:36.85;4.31e5;6409226

F4:Voltage SIR,EI+
419.822
6.444e+006



DPE4

230612R5_5

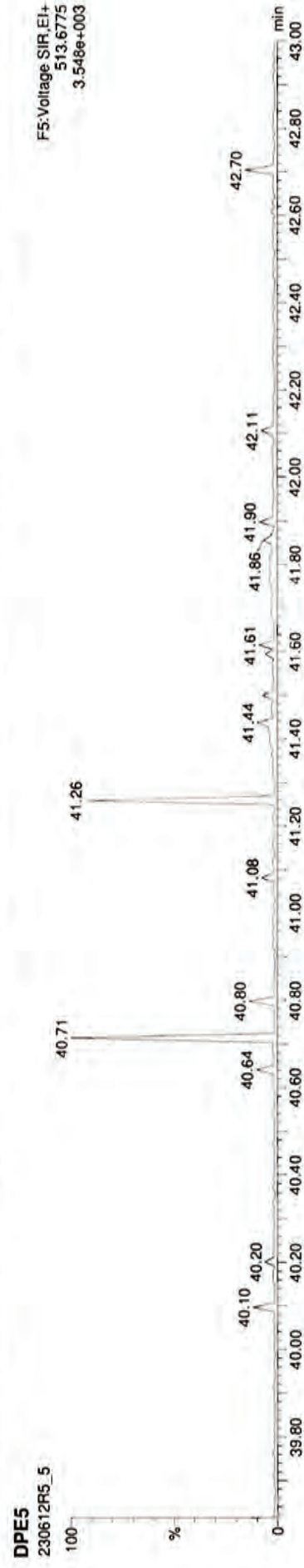
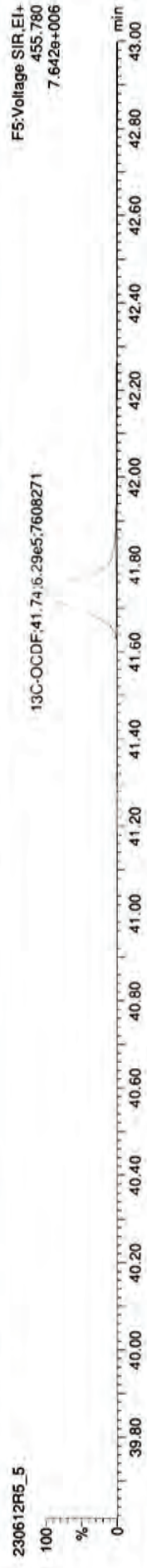
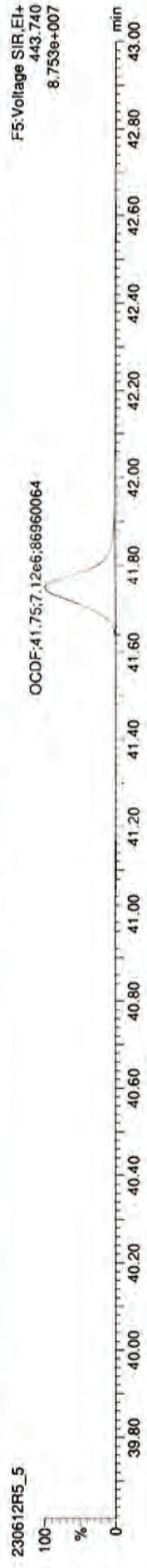
F4:Voltage SIR,EI+
479.7165
1.522e+003



Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
 Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

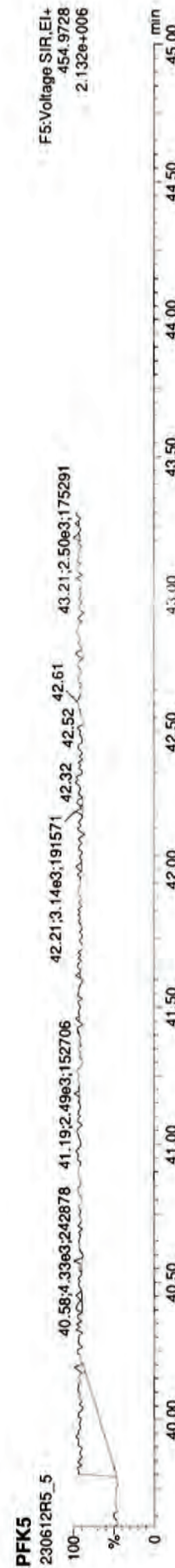
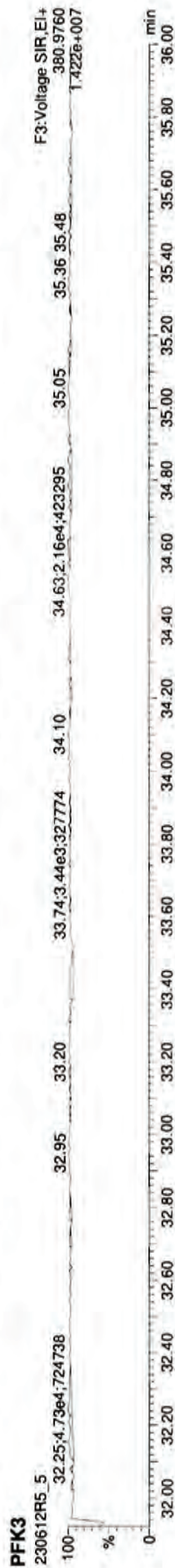
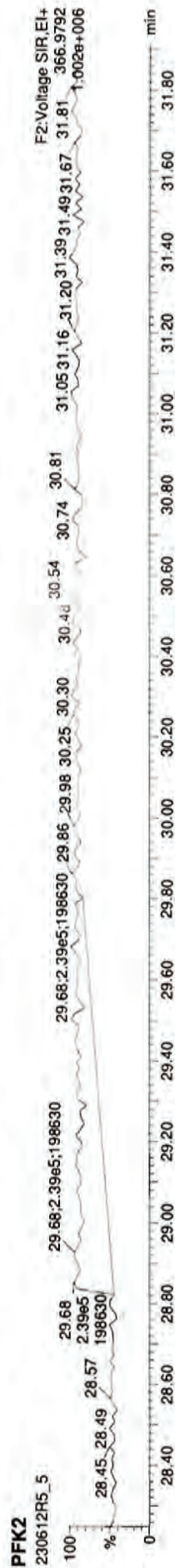
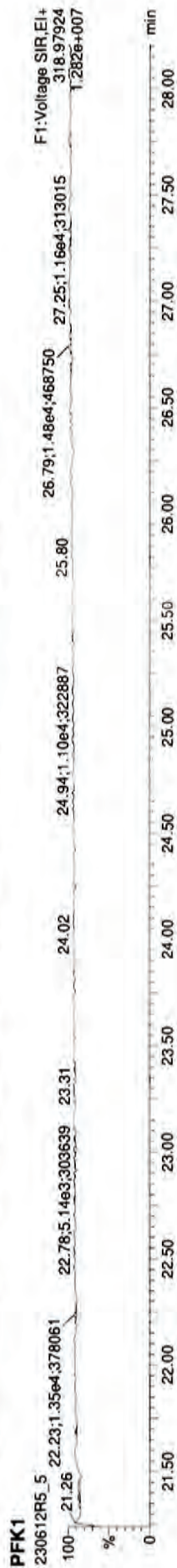
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Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_5, Date: 12-Jun-2023, Time: 21:51:37, ID: ST230612R5_5 1613 CS5 23E1005, Description: 1613 CS5 23E1005

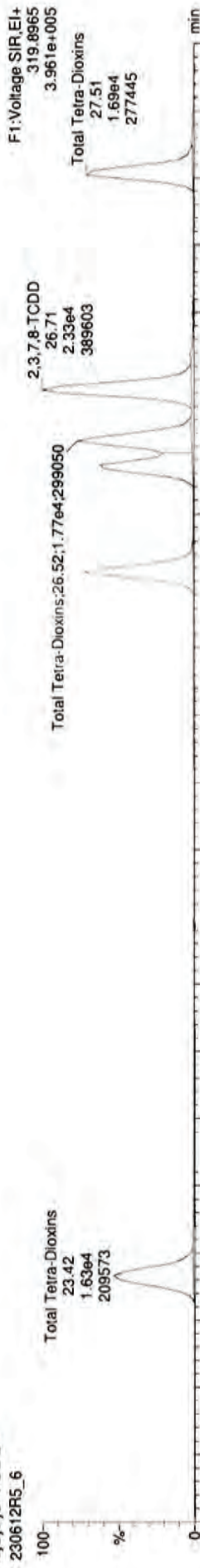


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Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_6, Date: 12-Jun-2023, Time: 22:36:44, ID: ST230612R5_6 1613 CS3 23E1003, Description: 1613 CS3 23E1003

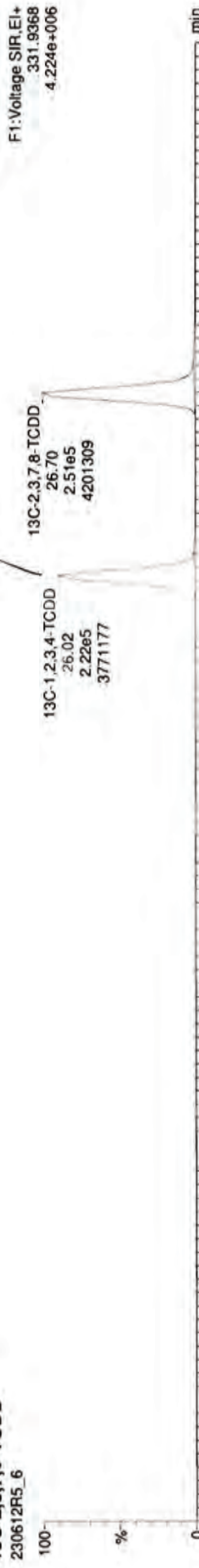
2,3,7,8-TCDD



230612R5_6



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



230612R5_6



Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_6, Date: 12-Jun-2023, Time: 22:36:44, ID: ST230612R5_6 1613 CS3 23E1003, Description: 1613 CS3 23E1003

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

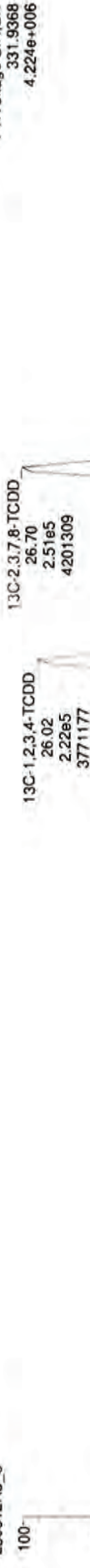
230612R5_6



F1: Voltage SIR.EI+
327.884
8.864e+005

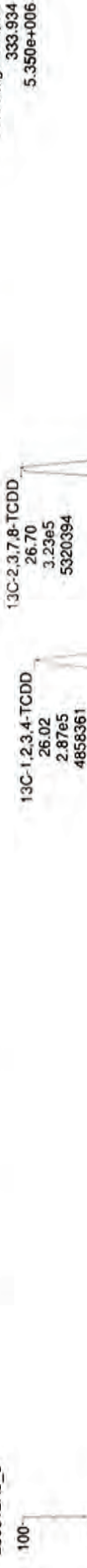
13C-1,2,3,4-TCDD

230612R5_6



F1: Voltage SIR.EI+
331.9368
4.224e+006

230612R5_6

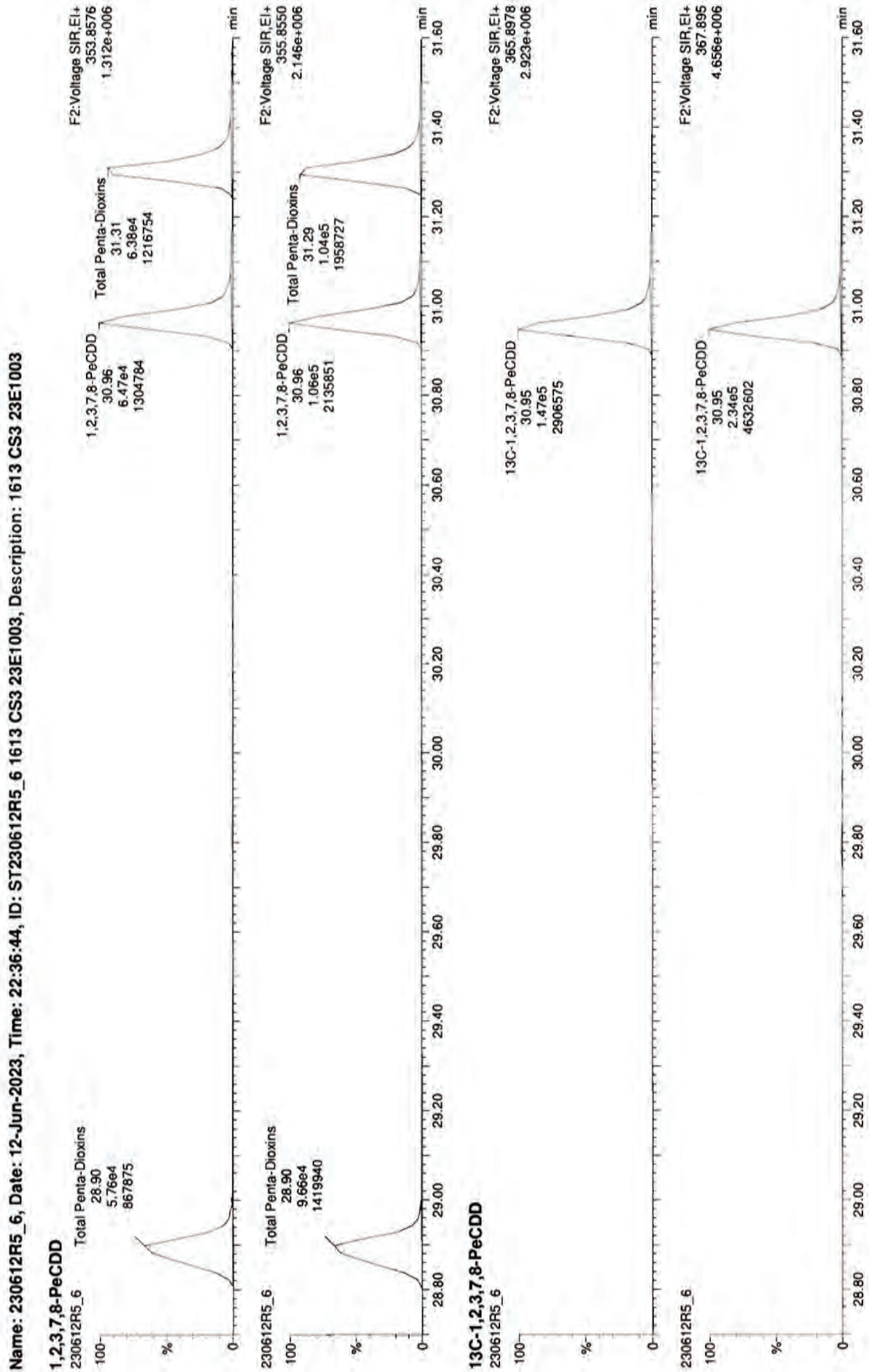


F1: Voltage SIR.EI+
333.934
5.350e+006

Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time

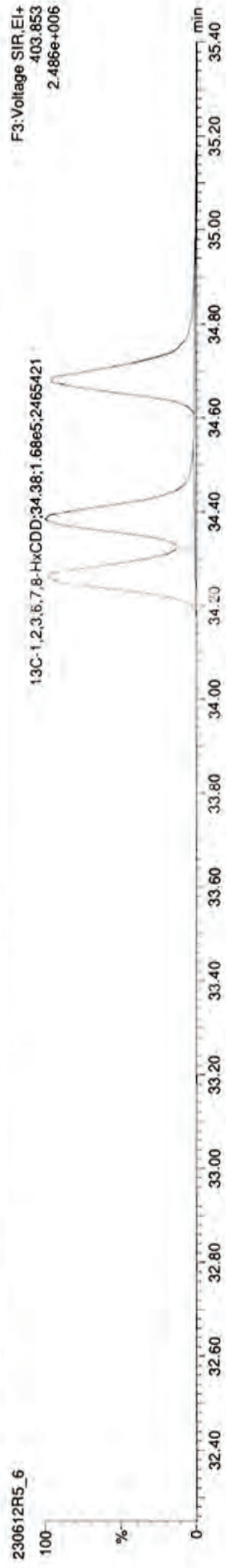
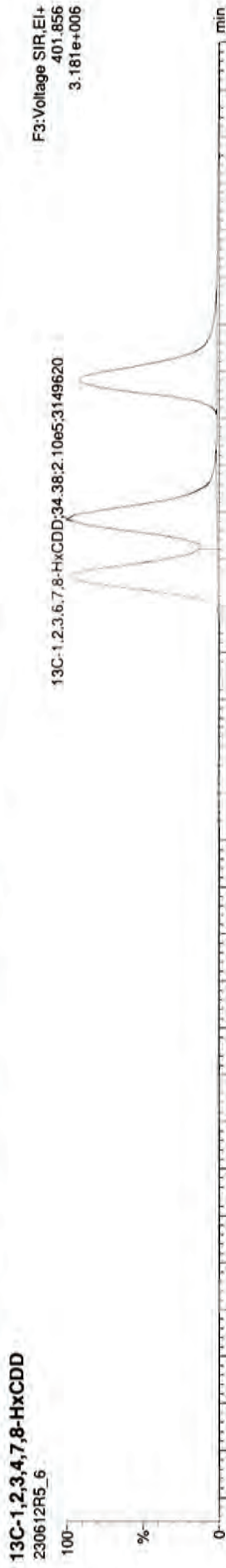
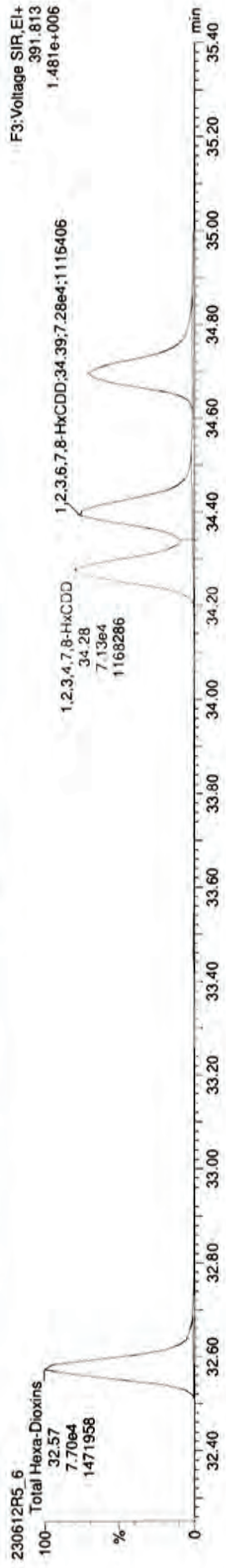
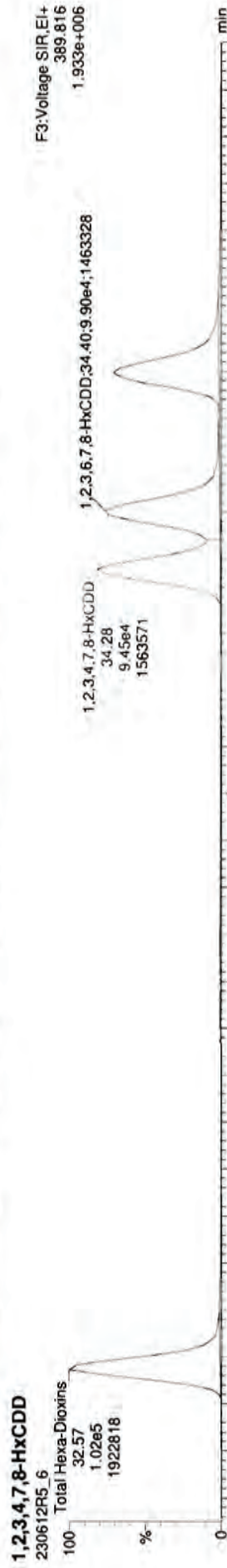
Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time



Dataset: Untitled

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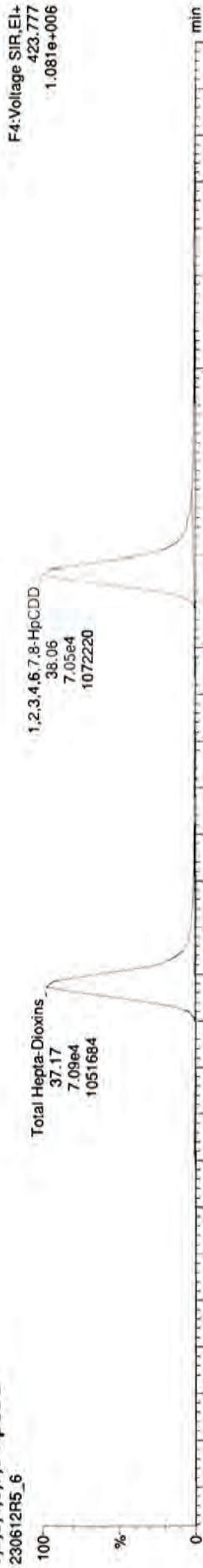


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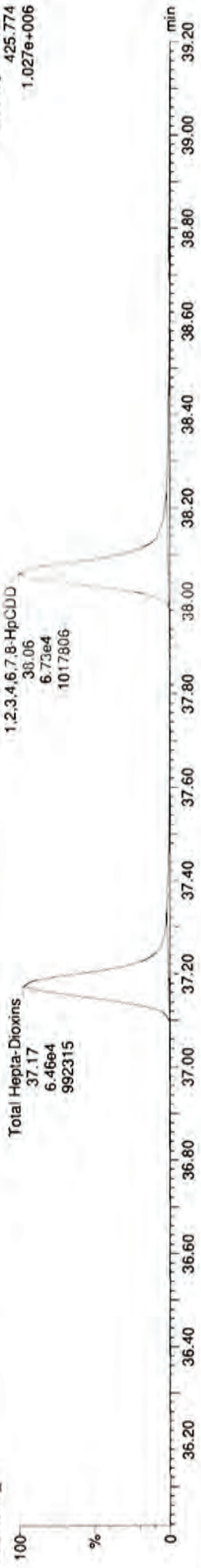
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Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

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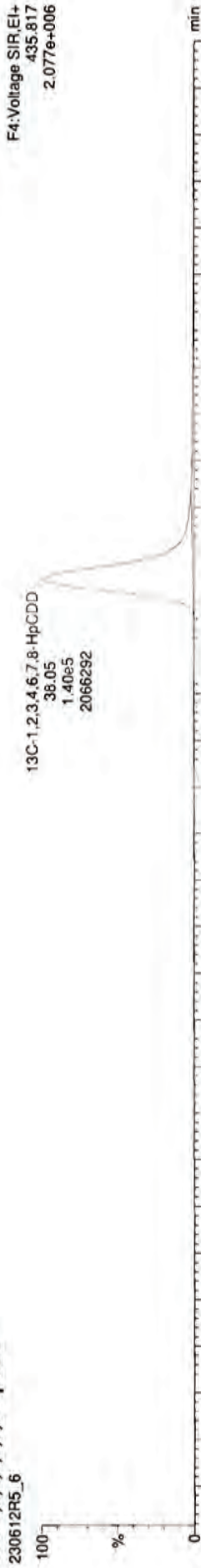
1,2,3,4,6,7,8-HpCDD



230612R5_6



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



230612R5_6

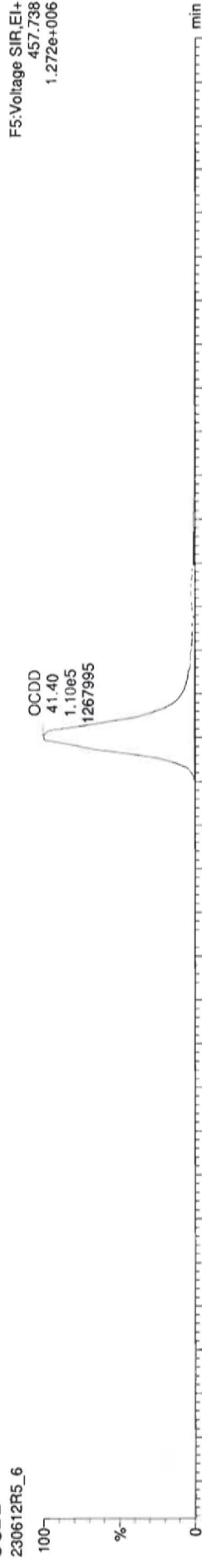


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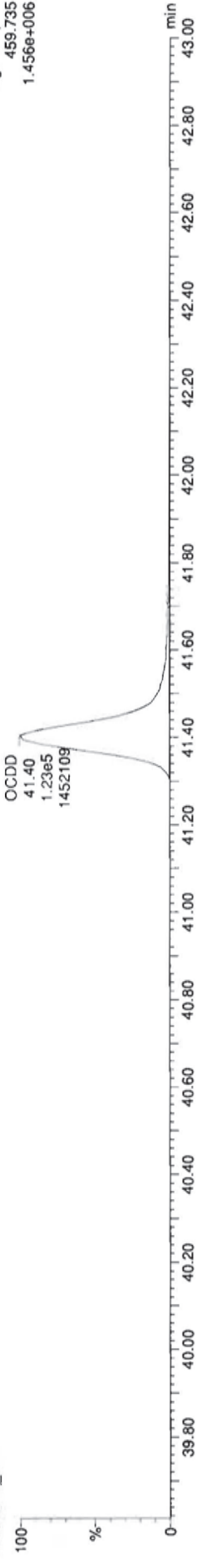
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Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

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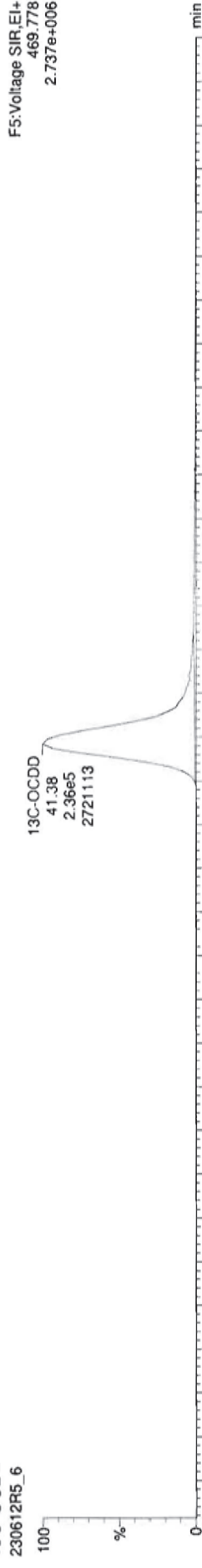
OCDD



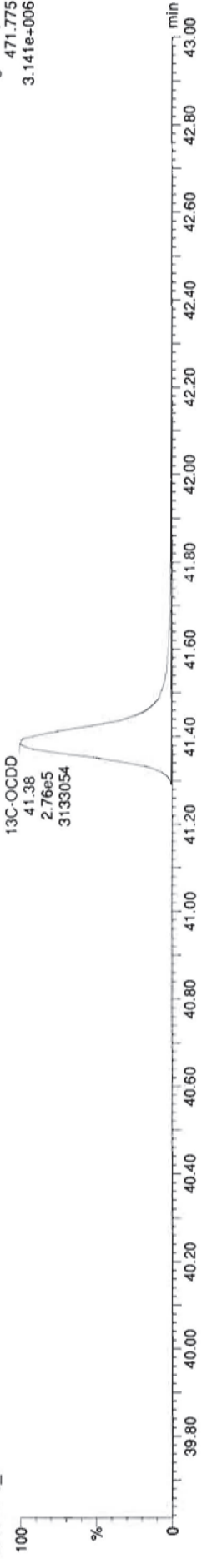
230612R5_6



13C-OCDD



230612R5_6



Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_6, Date: 12-Jun-2023, Time: 22:36:44, ID: ST230612R5_6 1613 CS3 23E1003, Description: 1613 CS3 23E1003

2,3,7,8-TCDF

230612R5_6



230612R5_6

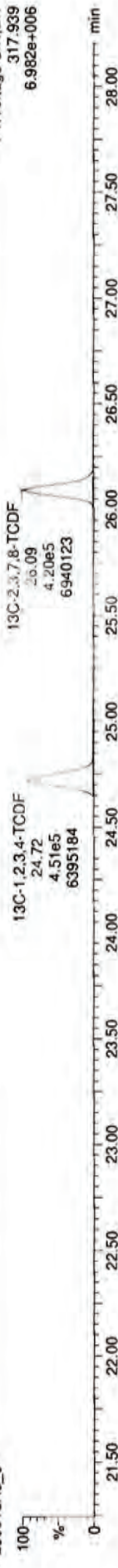


13C-2,3,7,8-TCDF

230612R5_6

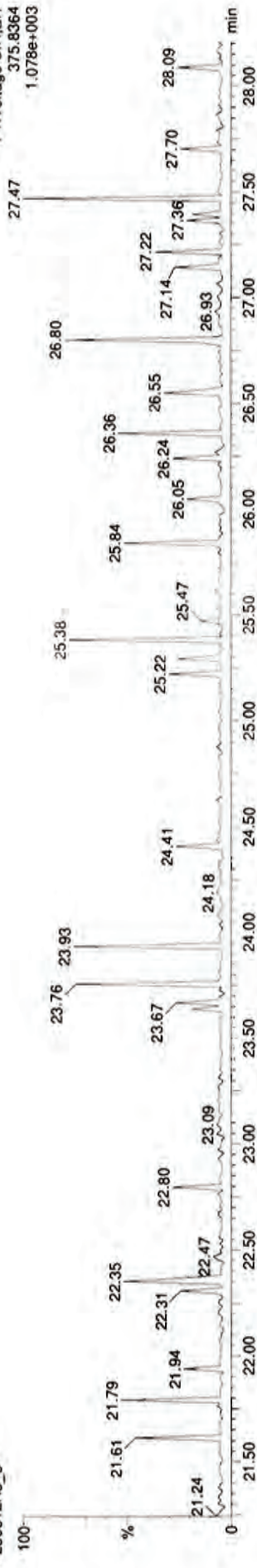


230612R5_6



DPE1

230612R5_6

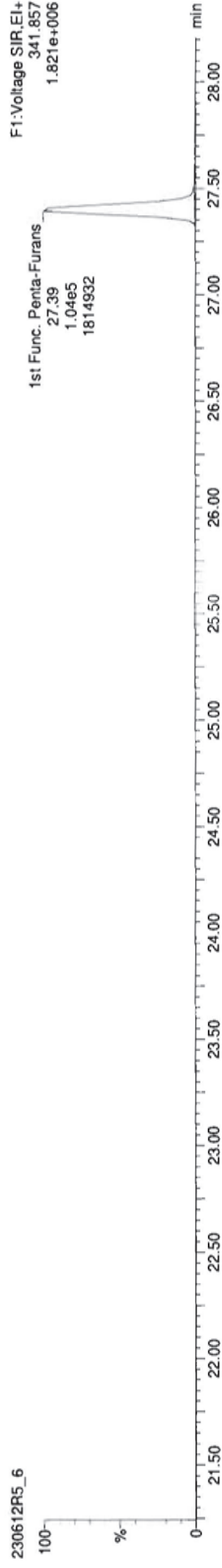
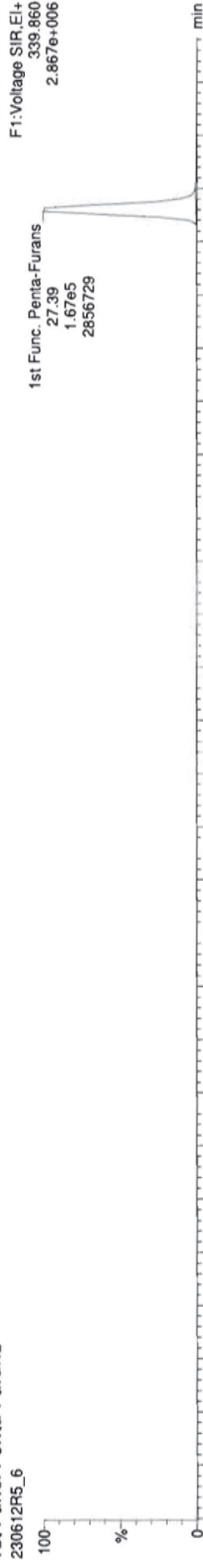


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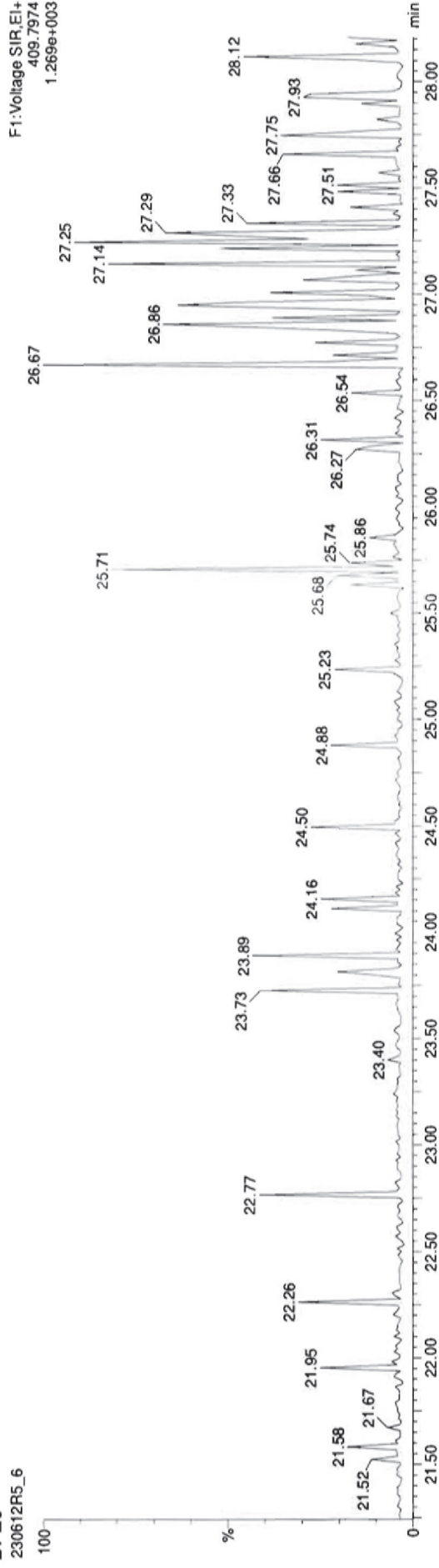
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Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_6, Date: 12-Jun-2023, Time: 22:36:44, ID: ST230612R5_6 1613 CS3 23E1003, Description: 1613 CS3 23E1003

1st Func. Penta-Furans



DPE6



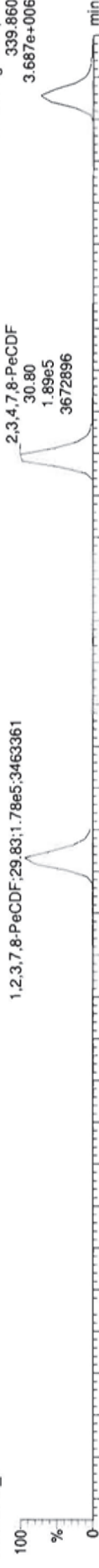
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 Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

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1,2,3,7,8-PeCDF

230612R5_6



230612R5_6



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

230612R5_6

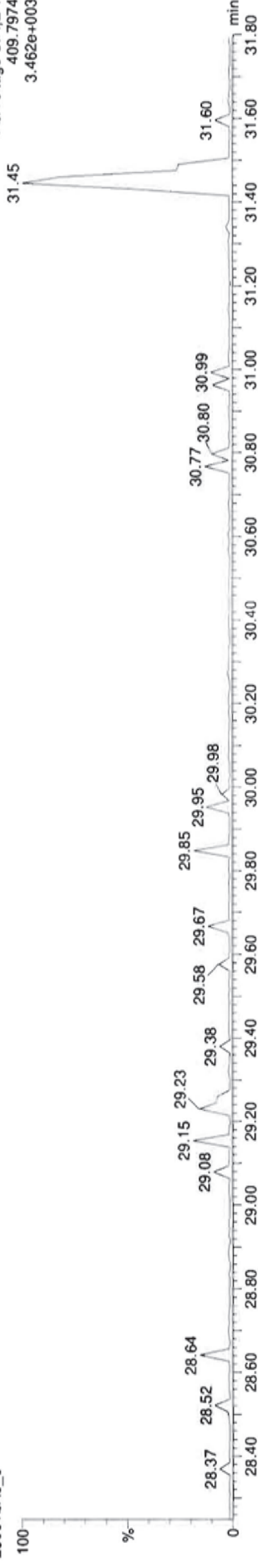


230612R5_6



DPE2

230612R5_6



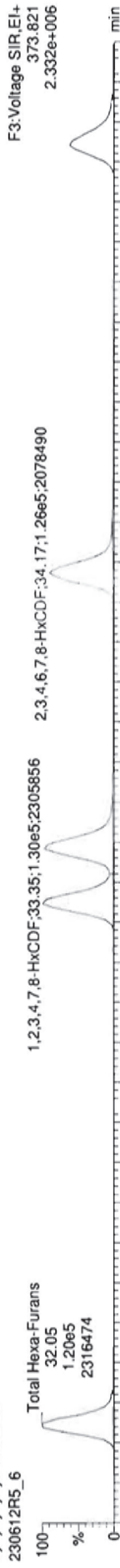
Enthalpy Analytical EDH VG-12

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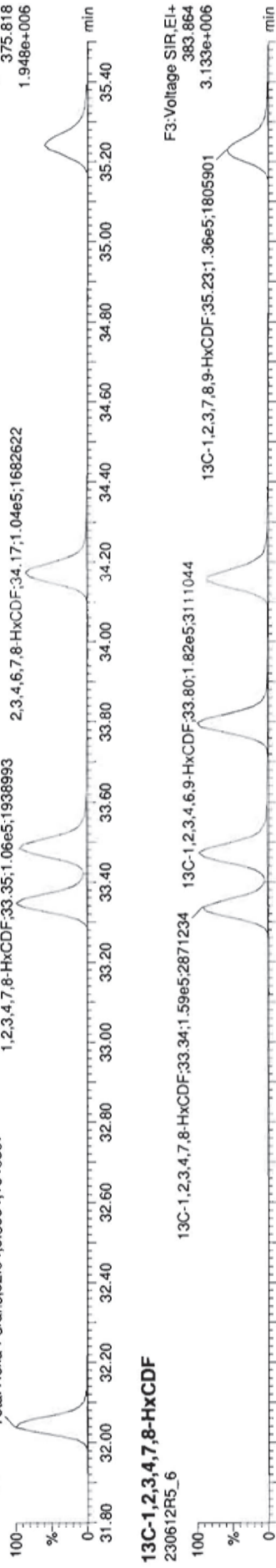
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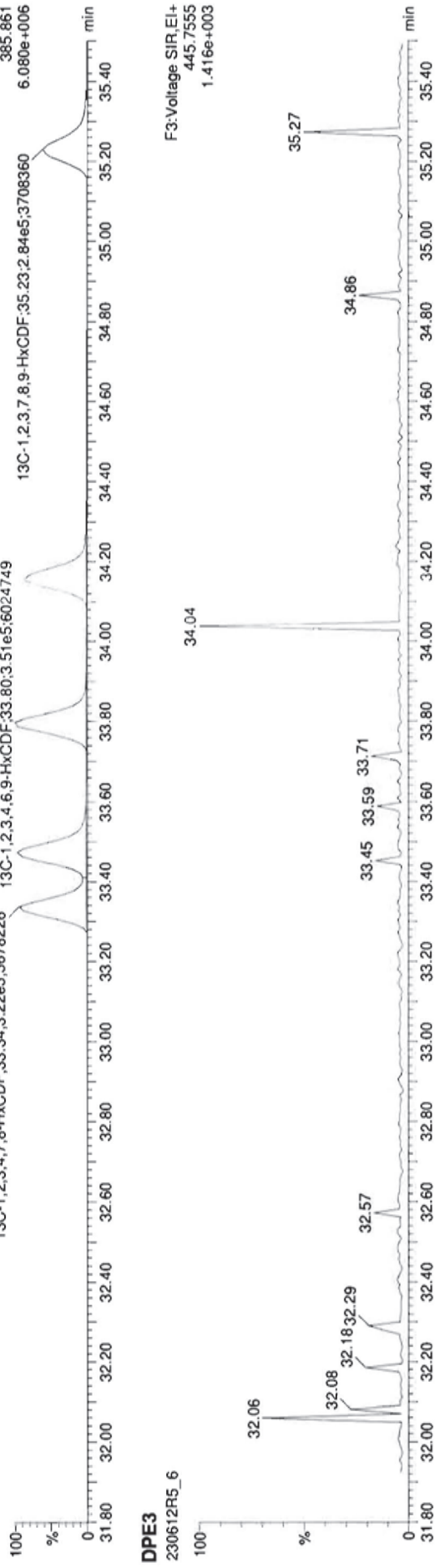
1,2,3,4,7,8-HxCDF



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



DPE3



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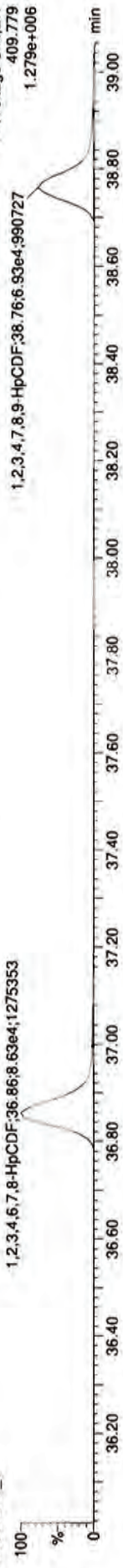
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1,2,3,4,6,7,8-HpCDF



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



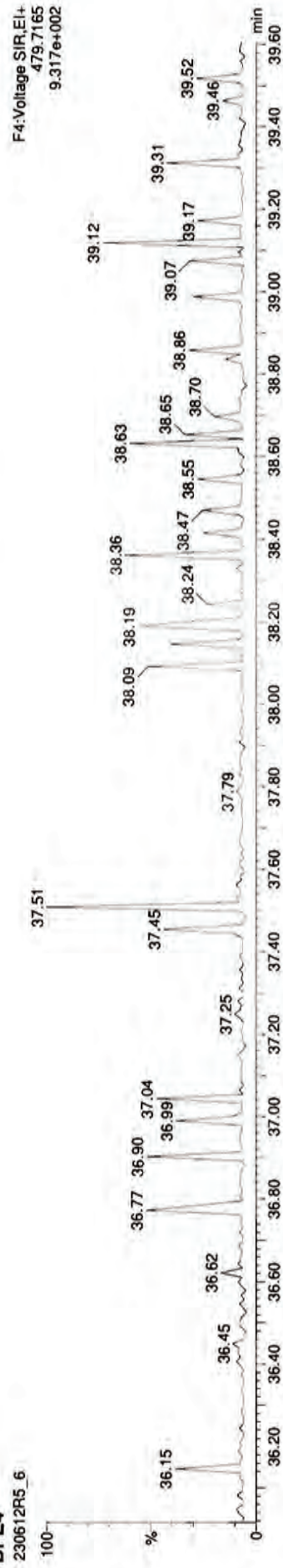
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13C-1,2,3,4,6,7,8-HpCDF



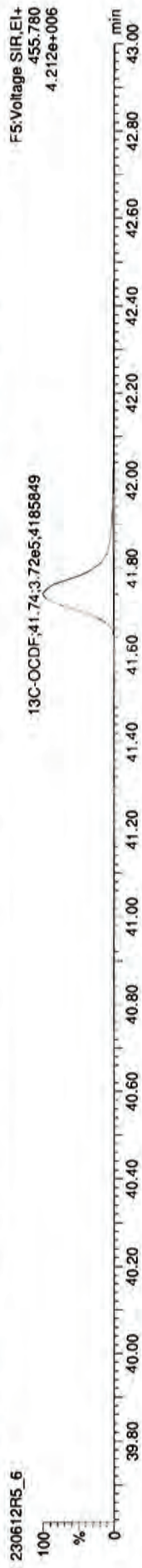
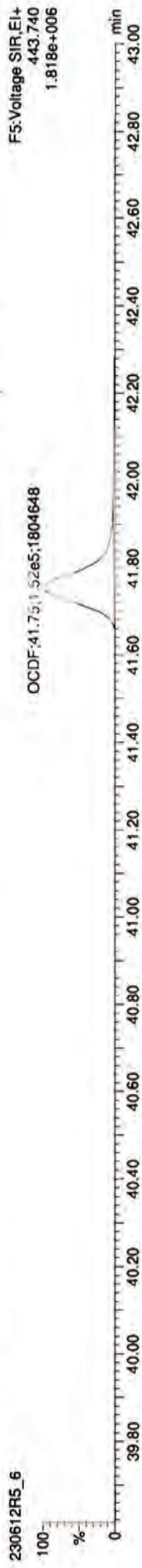
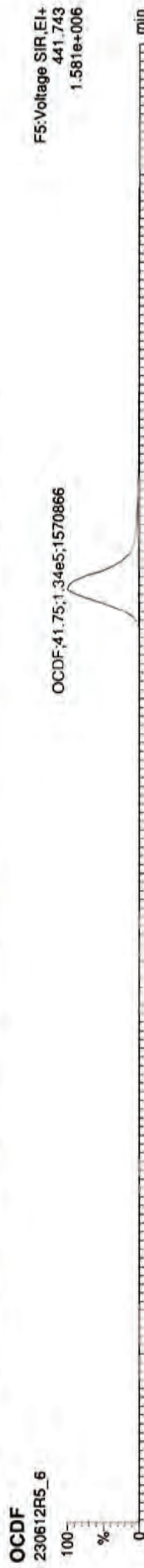
DPE4



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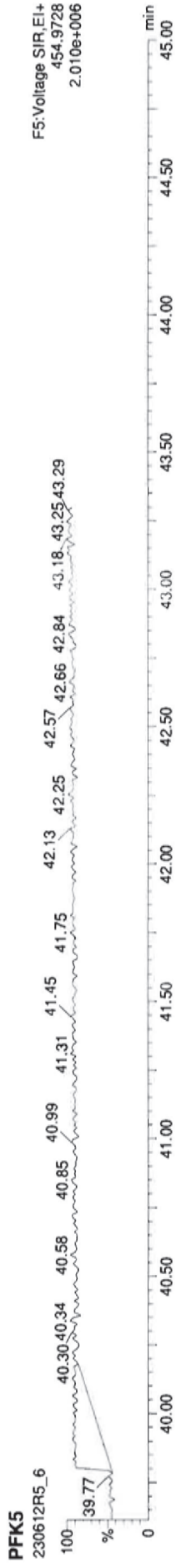
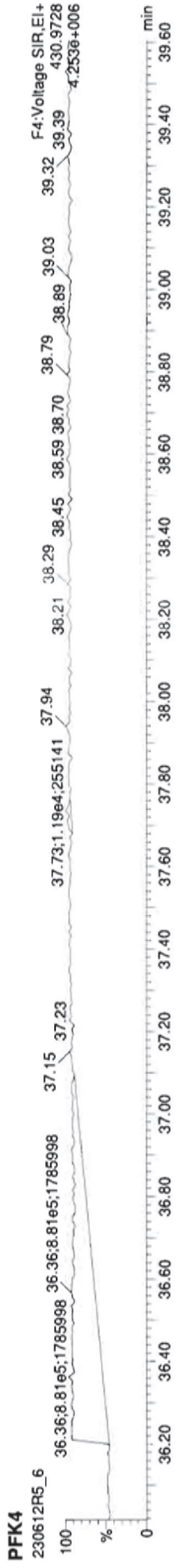
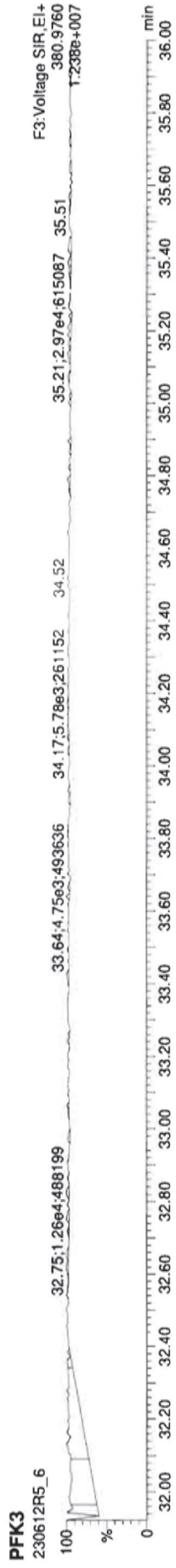
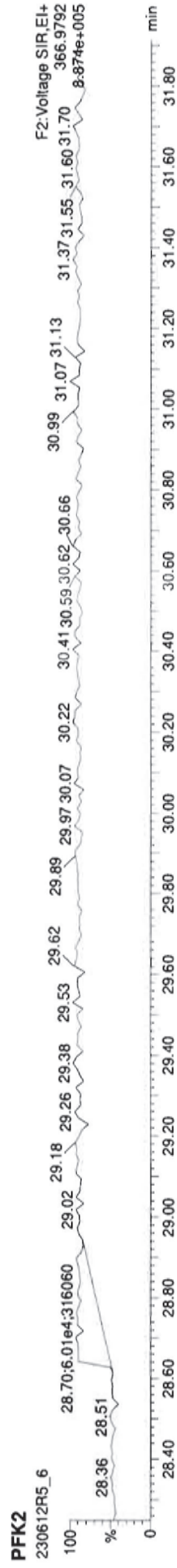
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Resolution Check Report

MassLynx 4.1 SCN815

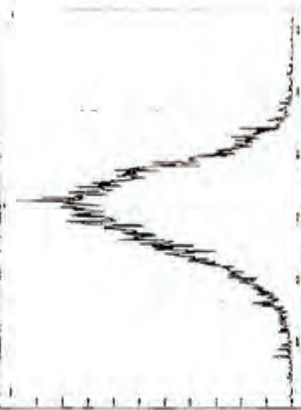
Page 1 of 4

Printed: Tuesday, June 13, 2023 10:46:52 Pacific Daylight Time

M 292.9824 R 10359



M 304.9824 R 10440



M 318.9792 R 10489



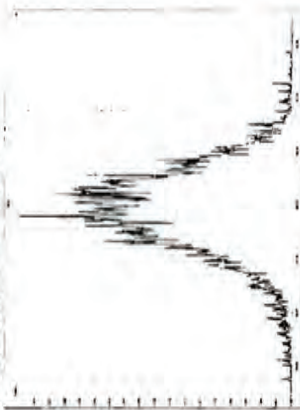
M 330.9792 R 9905 OK



M 342.9792 R 10484



M 354.9792 R 11421



M 366.9792 R 11592



M 380.9760 R 10911



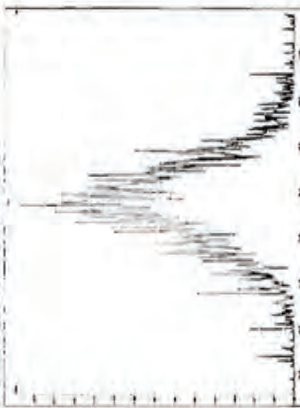
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M 404.9760 R 10668



M 416.9760 R 13175



M 318.9792 R 9815 OK



Resolution Check Report

MassLynx 4.1 SCN815

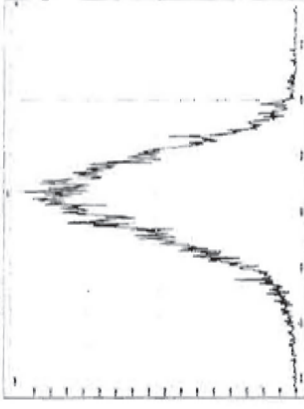
Page 2 of 4

Printed: Tuesday, June 13, 2023 10:46:52 Pacific Daylight Time

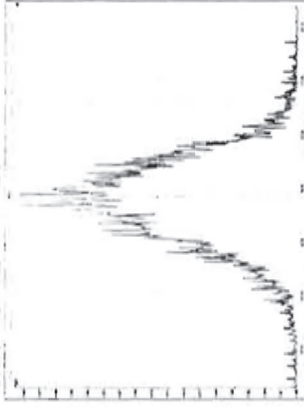
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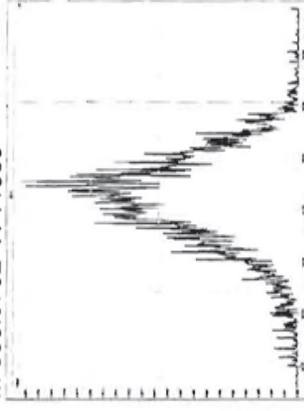
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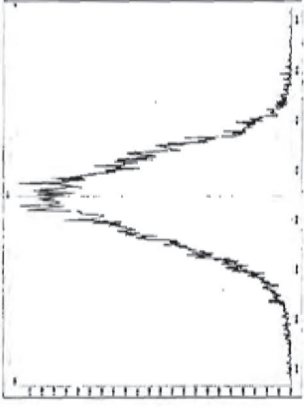
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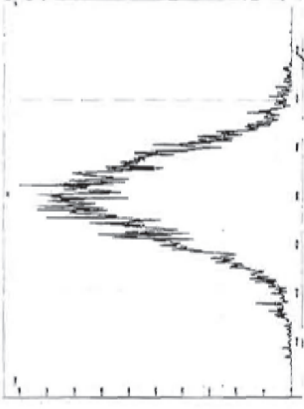
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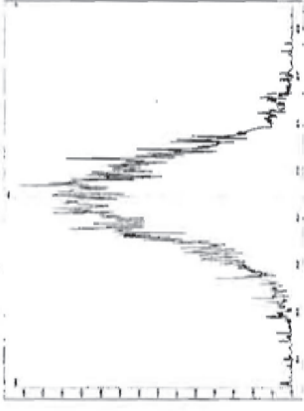
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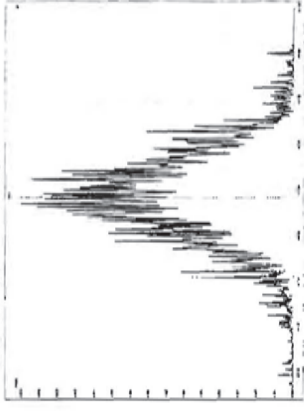
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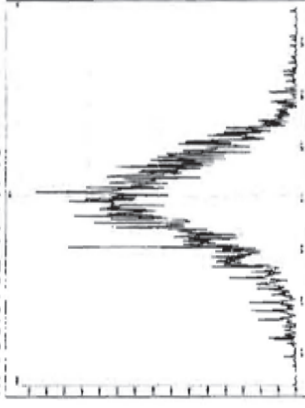
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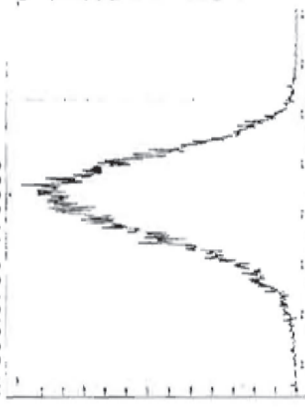
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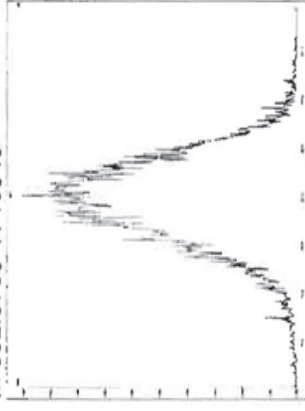
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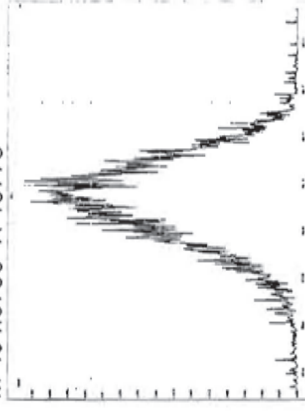
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M 392.9760 R 10848



M 404.9760 R 10778



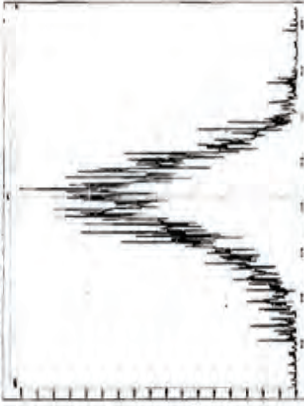
Resolution Check Report

MassLynx 4.1 SCN815

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Printed: Tuesday, June 13, 2023 10:46:52 Pacific Daylight Time

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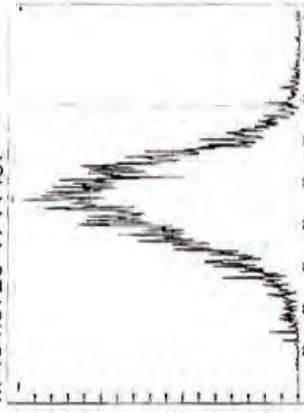
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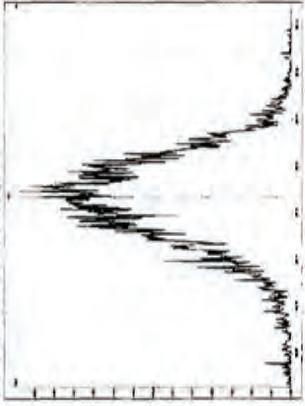
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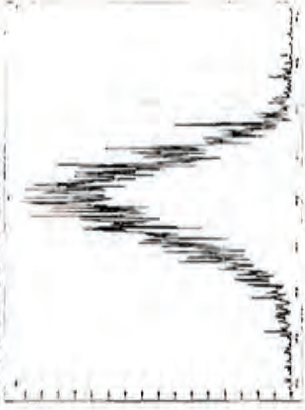
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M 404.9760 R 10899



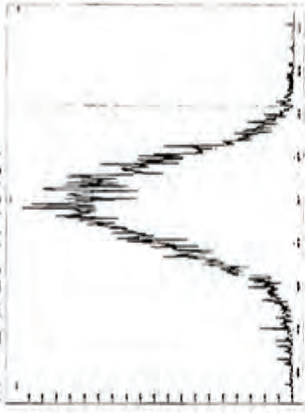
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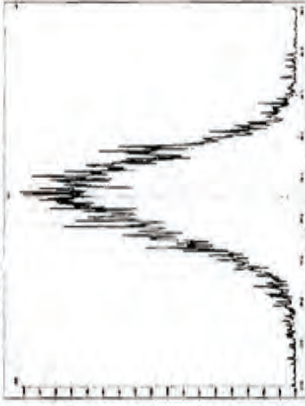
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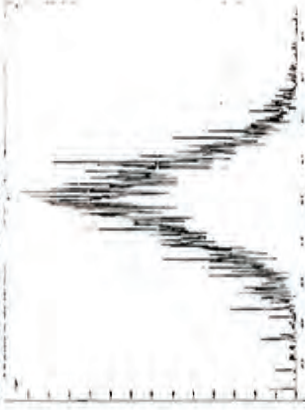
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M 454.9728 R 11275



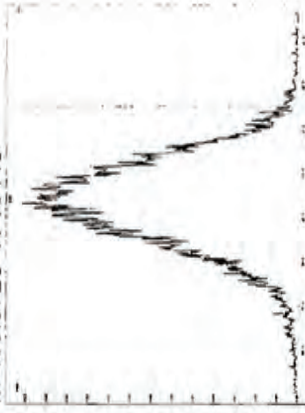
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M 480.9696 R 10946



M 430.9728 R 10445



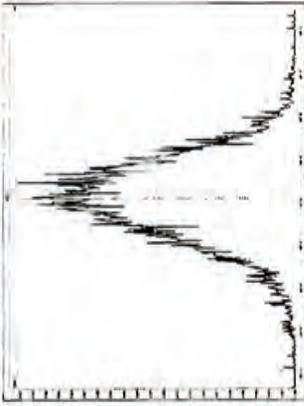
Resolution Check Report

MassLynx 4.1 SCN815

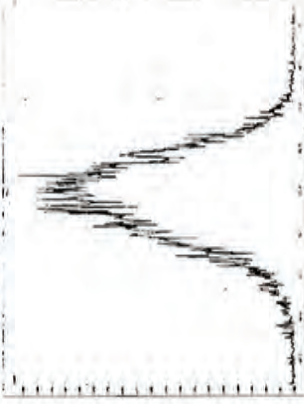
Page 4 of 4

Printed: Tuesday, June 13, 2023 10:46:52 Pacific Daylight Time

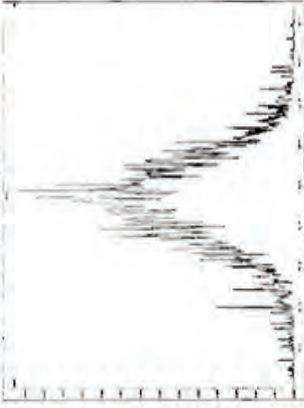
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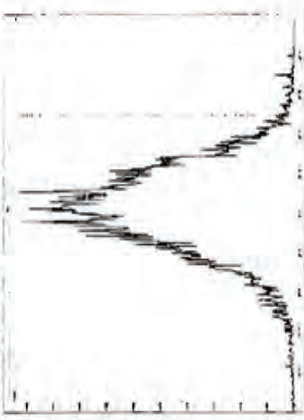
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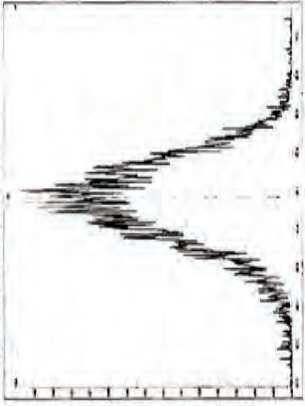
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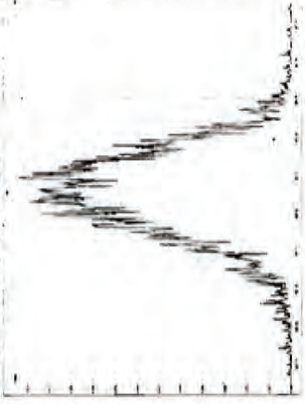
M 480.9696 R 10895



M 492.9696 R 11135



M 504.9696 R 11854



M 516.9697 R 13061



Quantify Sample Summary Report
Enthalpy Analytical EDH VG-12

Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:16:46 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:18:49 Pacific Daylight Time

NAF 86-13-2023

ATM 06/13/23

Method: C:\MassLynx\DEFAULT.PRO\MethDB\1613rrt-6-1-23.mdb 01 Jun 2023 15:09:04

Calibration: C:\MassLynx\Default.pro\Curvedb\dbDIOXIN_1613vg12-6-12-23.cdb 13 Jun 2023 09:11:49

Name: 230612R5_7, Date: 12-Jun-2023, Time: 23:21:42, ID: SS230612R5_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806, Task: ICAL230612R5_1

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1	2,3,7,8-TCDD	3.55e4	0.79	NO	0.955	1.000	26.74	1.001	9.3897	93.9	0.0337	9.39
2	1,2,3,7,8-PeCDD	1.28e5	0.59	NO	0.795	1.000	30.98	1.000	53.879	108	0.117	53.9
3	1,2,3,4,7,8-HxCDD	1.17e5	1.33	NO	0.908	1.000	34.30	1.001	59.341	119	0.236	59.3
4	1,2,3,6,7,8-HxCDD	1.28e5	1.29	NO	0.836	1.000	34.43	1.001	59.748	119	0.242	59.7
5	1,2,3,7,8,9-HxCDD	1.16e5	1.30	NO	0.854	1.000	34.72	1.000	55.338	111	0.251	55.3
6	1,2,3,4,6,7,8-HpCDD	9.52e4	1.03	NO	0.936	1.000	38.08	1.001	55.488	111	0.228	55.5
7	OCDD	1.56e5	0.86	NO	0.849	1.000	41.42	1.000	112.99	113	0.427	113
8	2,3,7,8-TCDF	4.95e4	0.73	NO	0.891	1.000	26.14	1.001	8.9505	89.5	0.0267	8.95
9	1,2,3,7,8-PeCDF	2.10e5	1.67	NO	0.812	1.000	29.85	1.001	57.955	116	0.116	58.0
10	2,3,4,7,8-PeCDF	2.36e5	1.66	NO	0.907	1.000	30.81	1.000	58.883	118	0.0975	58.9
11	1,2,3,4,7,8-HxCDF	1.72e5	1.24	NO	0.839	1.000	33.37	1.000	56.080	112	0.208	56.1
12	1,2,3,6,7,8-HxCDF	1.89e5	1.29	NO	0.815	1.000	33.50	1.000	57.079	114	0.213	57.1
13	2,3,4,6,7,8-HxCDF	1.72e5	1.22	NO	0.845	1.000	34.19	1.001	58.118	116	0.245	58.1
14	1,2,3,7,8,9-HxCDF	1.34e5	1.24	NO	0.811	1.000	35.26	1.000	56.531	113	0.341	56.5
15	1,2,3,4,6,7,8-HpCDF	1.28e5	0.98	NO	0.827	1.000	36.88	1.000	59.116	118	0.217	59.1
16	1,2,3,4,7,8,9-HpCDF	9.87e4	1.00	NO	0.873	1.000	38.78	1.000	55.218	110	0.280	55.2
17	OCDF	1.89e5	0.89	NO	0.735	1.000	41.77	1.000	106.71	107	0.254	107
18	13C-2,3,7,8-TCDD	3.98e5	0.78	NO	1.10	1.000	26.71	1.026	95.252	95.3	0.130	
19	13C-1,2,3,7,8-PeCDD	2.98e5	0.66	NO	0.810	1.000	30.96	1.189	97.426	97.4	0.143	
20	13C-1,2,3,4,7,8-HxCDD	2.18e5	1.30	NO	0.647	1.000	34.28	1.014	84.450	84.5	0.327	
21	13C-1,2,3,6,7,8-HxCDD	2.56e5	1.26	NO	0.708	1.000	34.40	1.017	90.772	90.8	0.299	
22	13C-1,2,3,7,8,9-HxCDD	2.45e5	1.27	NO	0.697	1.000	34.71	1.026	88.329	88.3	0.304	
23	13C-1,2,3,4,6,7,8-HpCDD	1.83e5	1.11	NO	0.550	1.000	38.06	1.125	83.612	83.6	0.404	
24	13C-OCDD	3.25e5	0.88	NO	0.482	1.000	41.40	1.224	169.37	84.7	0.455	
25	13C-2,3,7,8-TCDF	6.21e5	0.78	NO	1.04	1.000	26.12	1.003	104.38	104	0.163	
26	13C-1,2,3,7,8-PeCDF	4.46e5	1.61	NO	0.819	1.000	29.83	1.145	95.185	95.2	0.380	
27	13C-2,3,4,7,8-PeCDF	4.42e5	1.61	NO	0.799	1.000	30.80	1.182	96.695	96.7	0.390	
28	13C-1,2,3,4,7,8-HxCDF	3.65e5	0.50	NO	0.971	1.000	33.36	0.986	94.158	94.2	0.328	
29	13C-1,2,3,6,7,8-HxCDF	4.06e5	0.50	NO	1.04	1.000	33.49	0.990	98.287	98.3	0.307	
30	13C-2,3,4,6,7,8-HxCDF	3.51e5	0.52	NO	0.931	1.000	34.17	1.011	94.363	94.4	0.342	
31	13C-1,2,3,7,8,9-HxCDF	2.93e5	0.48	NO	0.817	1.000	35.25	1.042	89.922	89.9	0.390	
32	13C-1,2,3,4,6,7,8-HpCDF	2.62e5	0.41	NO	0.730	1.000	36.87	1.090	89.901	89.9	0.418	

Quantify Sample Summary Report
Enthalpy Analytical EDH VG-12

Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:16:46 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:18:49 Pacific Daylight Time

Name: 230612R5_7, Date: 12-Jun-2023, Time: 23:21:42, ID: SS230612R5_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806, Task: ICAL230612R5_1

	Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc.	%Rec	DL	EMPC
33	13C-1,2,3,4,7,8,9-HpCDF	2.05e5	0.42	NO	0.576	1.000	38.77	1.146	89.047	89.0	89-120% 0.529	
34	13C-OCDF	4.83e5	0.95	NO	0.696	1.000	41.76	1.235	173.31	87.0	0.323	
35	37Cl-2,3,7,8-TCDD	3.79e4			0.959	1.000	26.74	1.027	10.450	104	0.0363	
36	13C-1,2,3,4-TCDD	3.78e5	0.76	NO	1.00	1.000	26.05	1.000	100.00	100	0.143	
37	13C-1,2,3,4-TCDF	5.72e5	0.78	NO	1.00	1.000	24.76	1.000	100.00	100	0.169	
38	13C-1,2,3,4,6,9-HxCDF	3.99e5	0.49	NO	1.00	1.000	33.82	1.000	100.00	100	0.318	

Dataset: Untitled

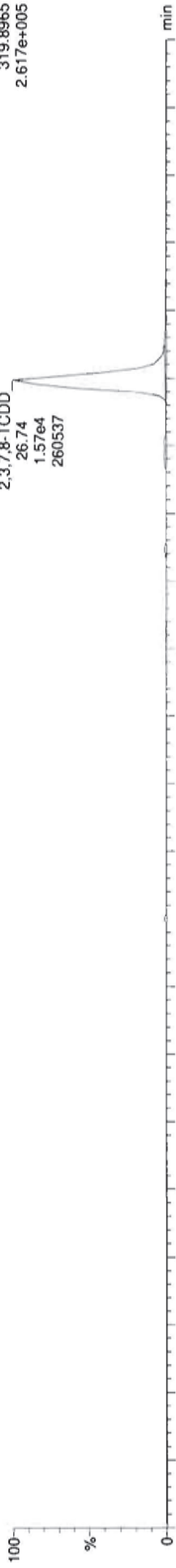
Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time

Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_7, Date: 12-Jun-2023, Time: 23:21:42, ID: SS230612R5_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806

2,3,7,8-TCDD

230612R5_7



F1: Voltage SIR, EI+
319.8965
2.617e+005

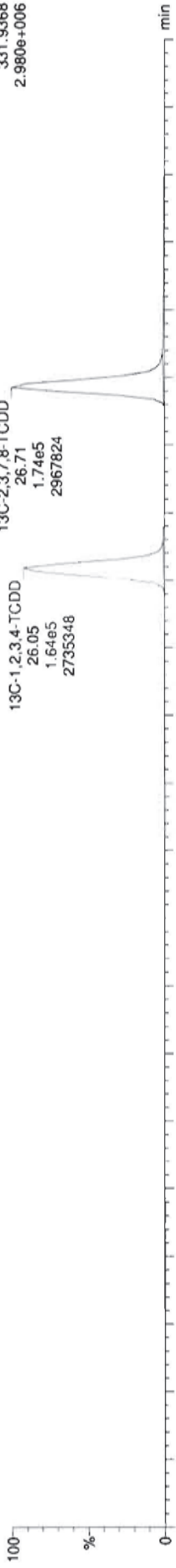
230612R5_7



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321.894
3.326e+005

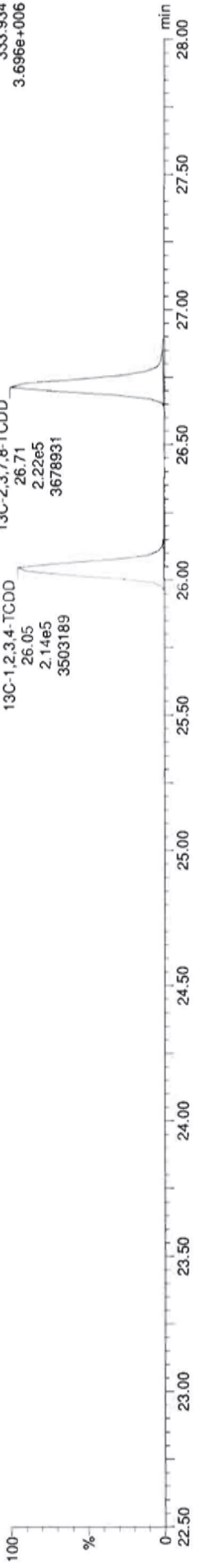
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230612R5_7



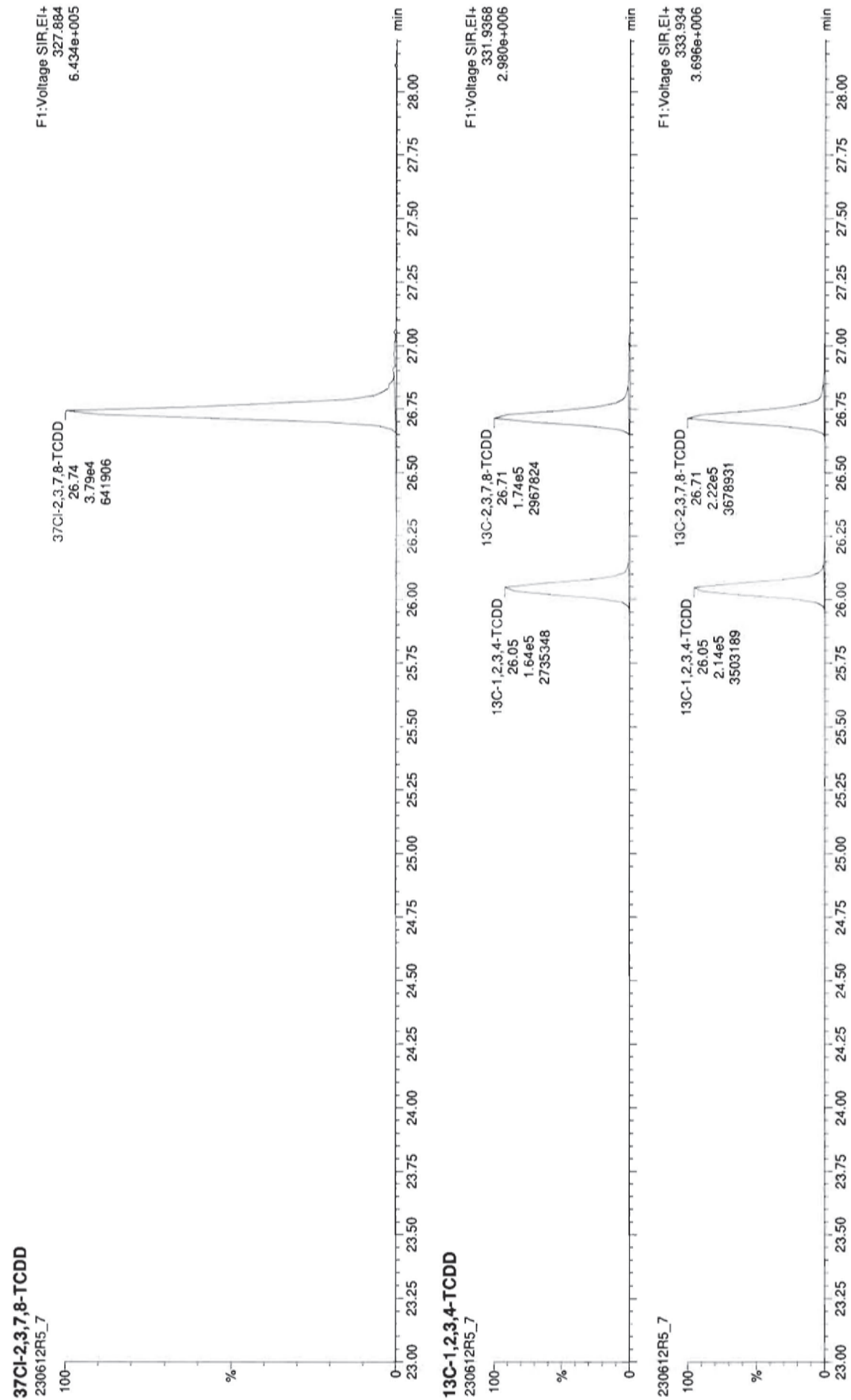
F1: Voltage SIR, EI+
331.9368
2.980e+006

230612R5_7



F1: Voltage SIR, EI+
333.934
3.696e+006

Name: 230612R5_7, Date: 12-Jun-2023, Time: 23:21:42, ID: SS230612R5_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806



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Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time

Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

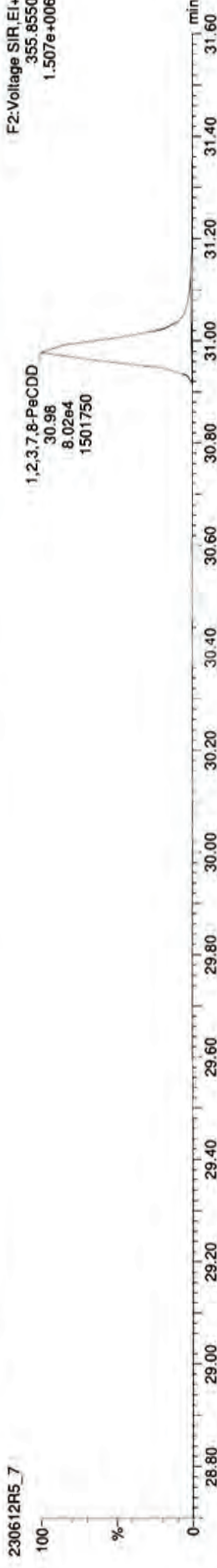
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1,2,3,7,8-PeCDD

230612R5_7

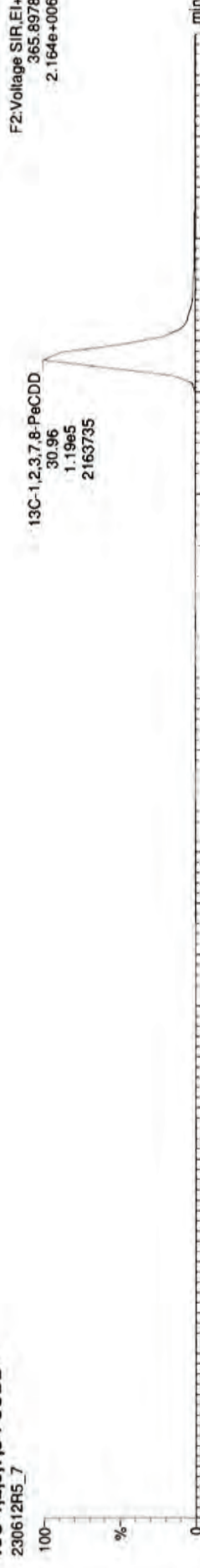


230612R5_7

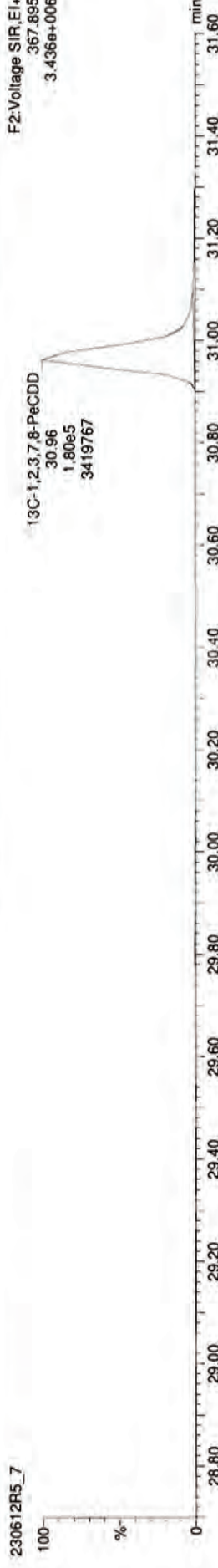


13C-1,2,3,7,8-PeCDD

230612R5_7



230612R5_7



Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_7, Date: 12-Jun-2023, Time: 23:21:42, ID: SS230612R5_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806

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

230612R5_7



230612R5_7



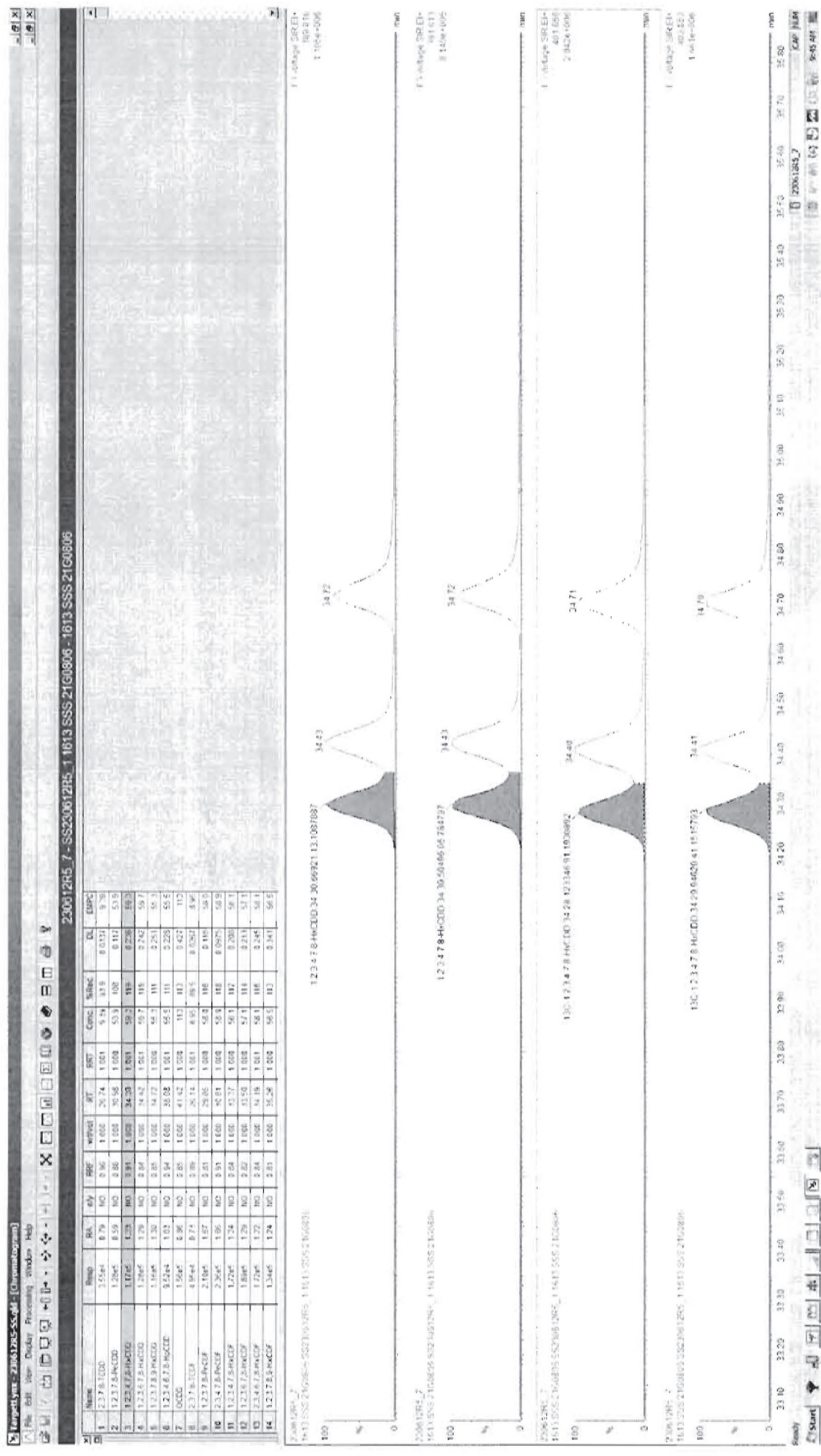
13C-1,2,3,4,7,8-HxCDD

230612R5_7



230612R5_7





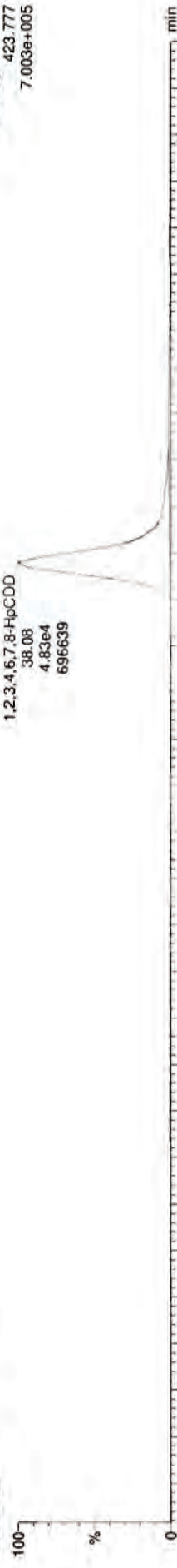
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Last Altered: Tuesday, June 13, 2023 09:15 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:32 Pacific Daylight Time

Name: 230612R5_7, Date: 12-Jun-2023, Time: 23:21:42, ID: SS230612R5_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806

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

230612R5_7



F4: Voltage SIR.EI+
423.777
7.003e+005

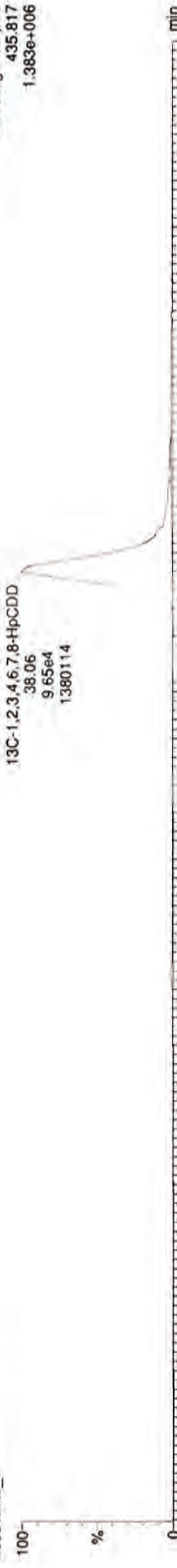
230612R5_7



F4: Voltage SIR.EI+
425.774
6.849e+005

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

230612R5_7



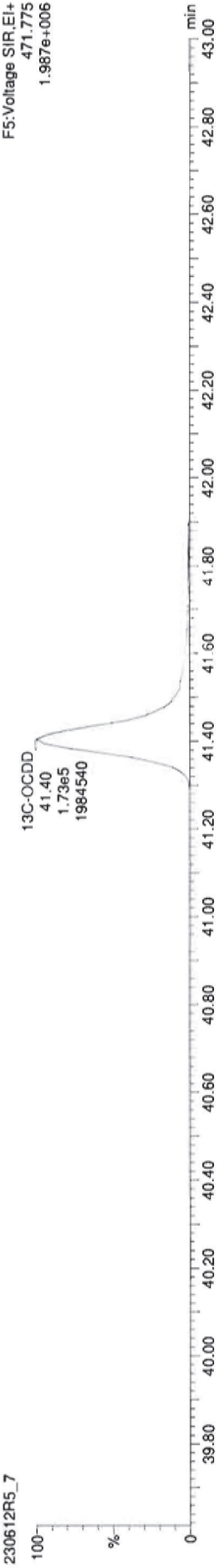
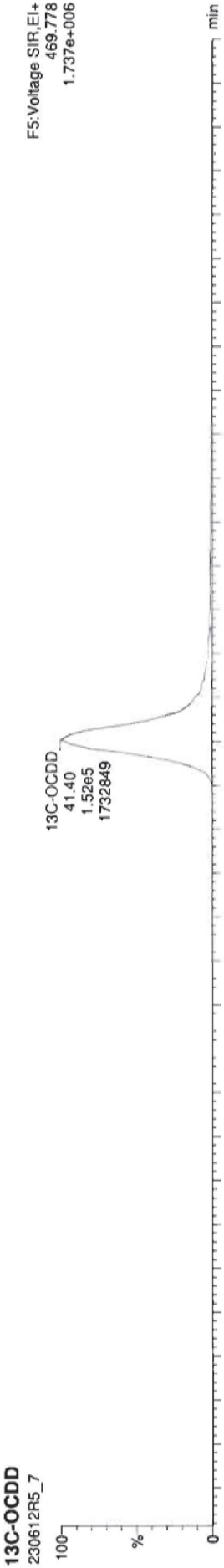
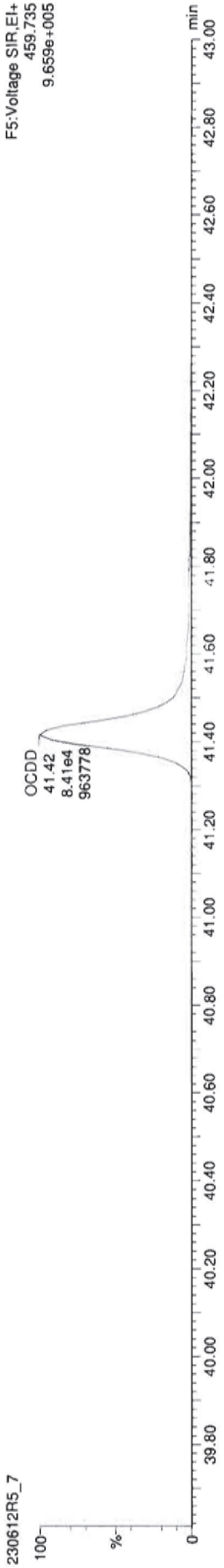
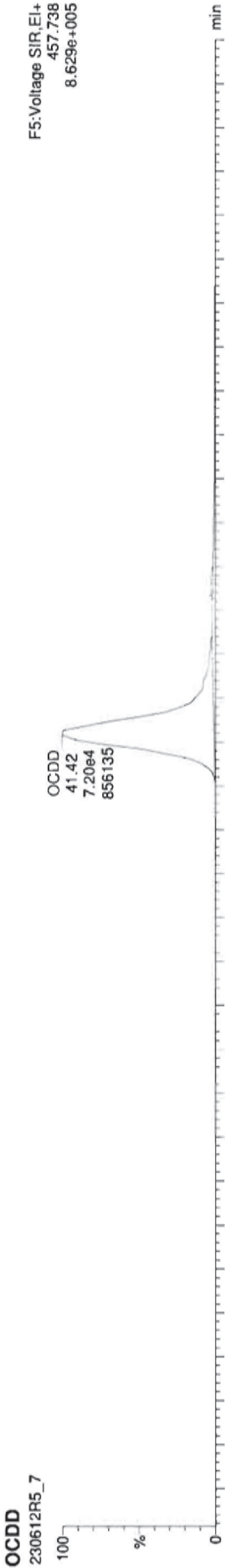
F4: Voltage SIR.EI+
435.817
1.383e+006

230612R5_7



F4: Voltage SIR.EI+
437.814
1.295e+006

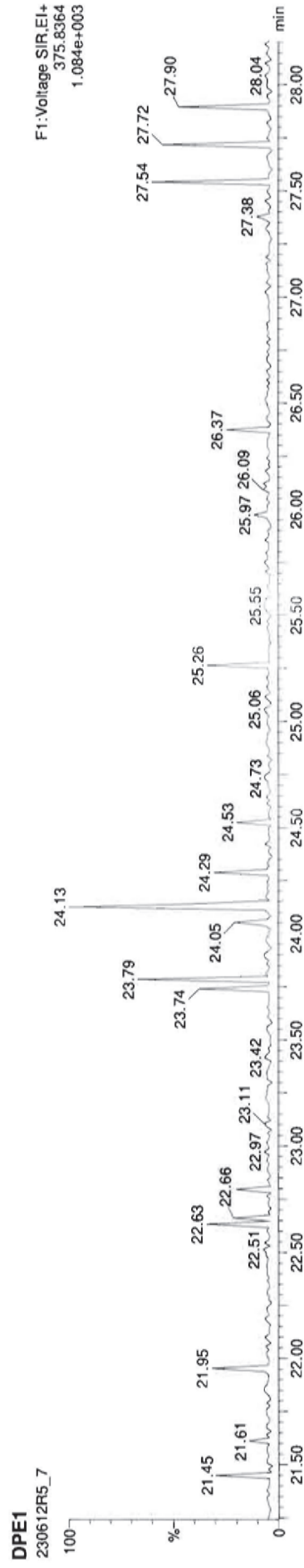
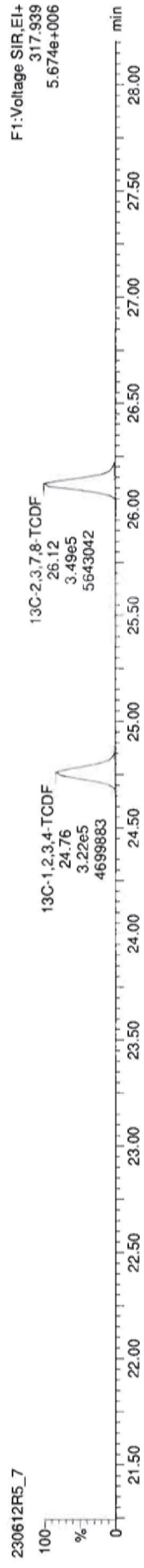
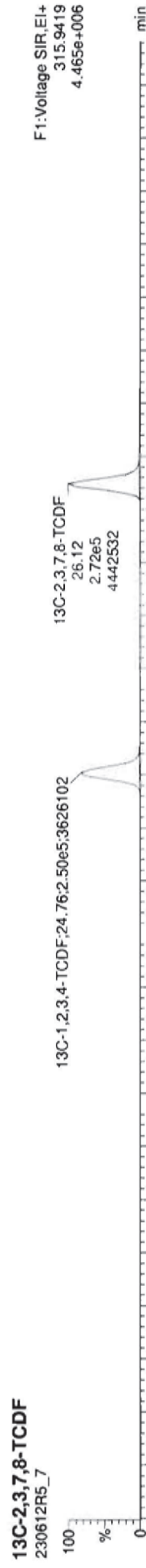
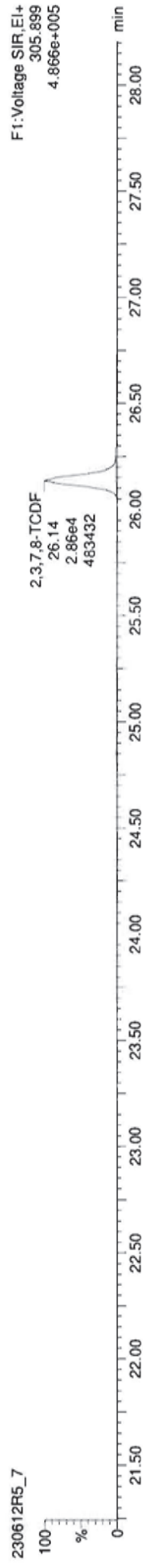
Name: 230612R5_7, Date: 12-Jun-2023, Time: 23:21:42, ID: SS230612R5_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806



Untitled

Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5 7, Date: 12-Jun-2023, Time: 23:21:42, ID: SS230612R5 1 1613 SSS 21G0806, Description: 1613 SSS 21G0806

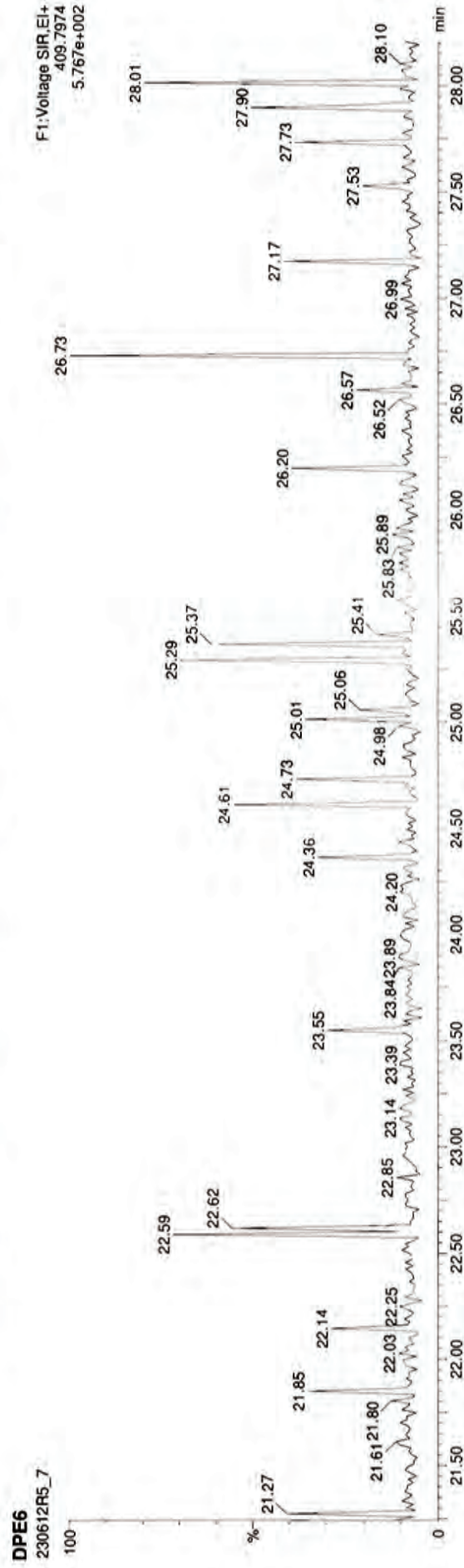
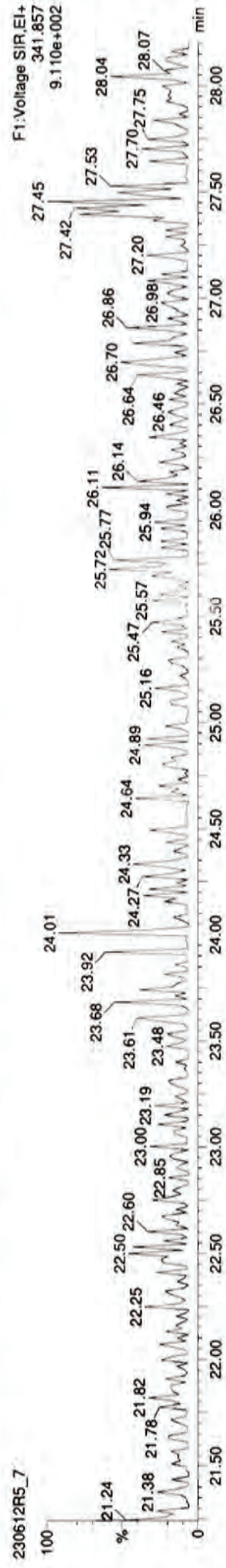
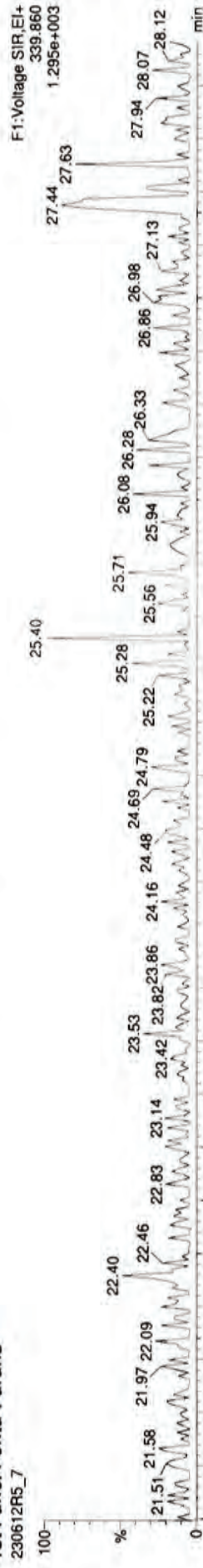


Dataset: Untitled

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Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_7, Date: 12-Jun-2023, Time: 23:21:42, ID: SS230612R5_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806

1st Func. Penta-Furans

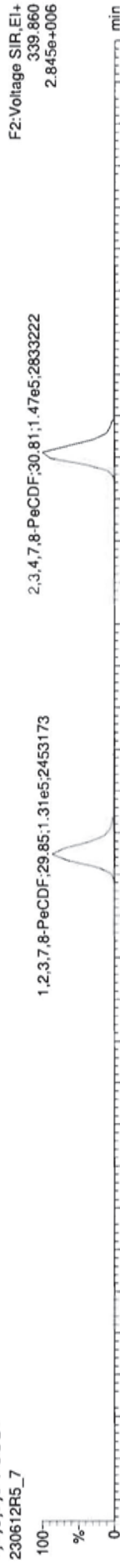


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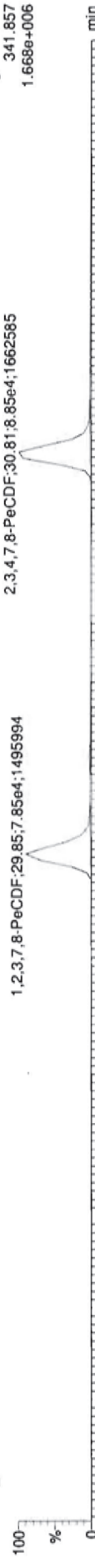
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Name: 230612R5_7, Date: 12-Jun-2023, Time: 23:21:42, ID: SS230612R5_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806

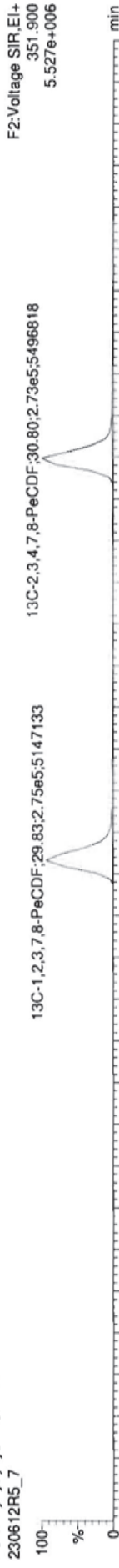
1,2,3,7,8-PeCDF



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



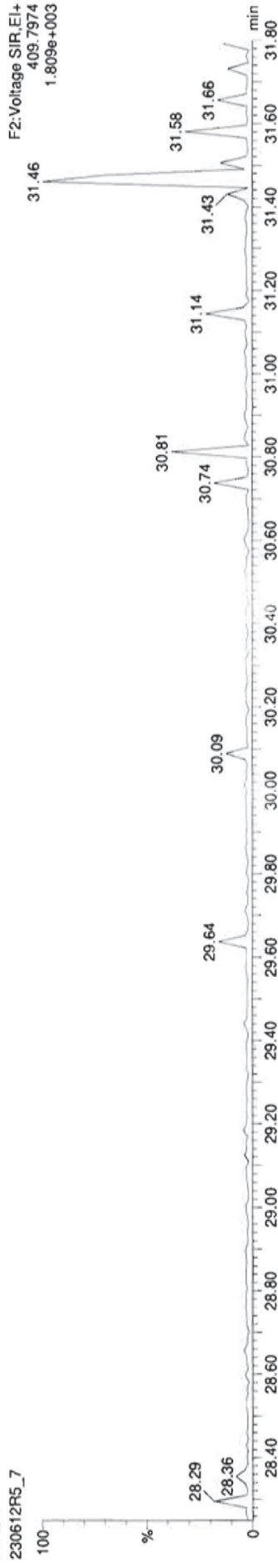
13C-1,2,3,7,8-PeCDF



230612R5_7



DPE2

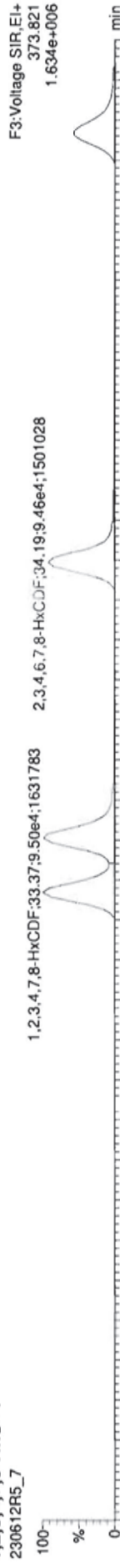


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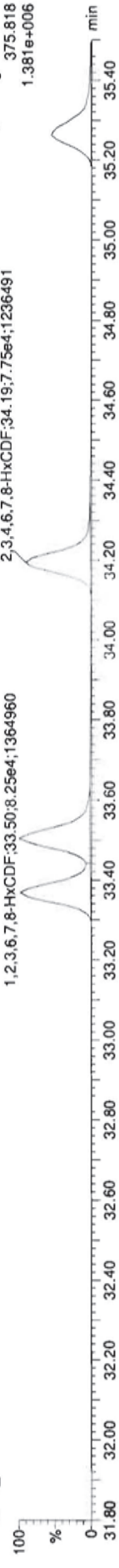
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Name: 230612R5_7, Date: 12-Jun-2023, Time: 23:21:42, ID: SS230612R5_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806

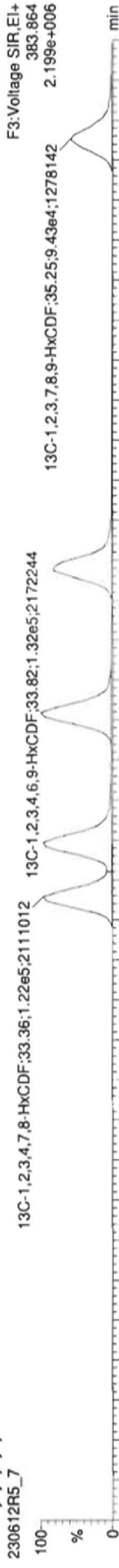
1,2,3,4,7,8-HxCDF



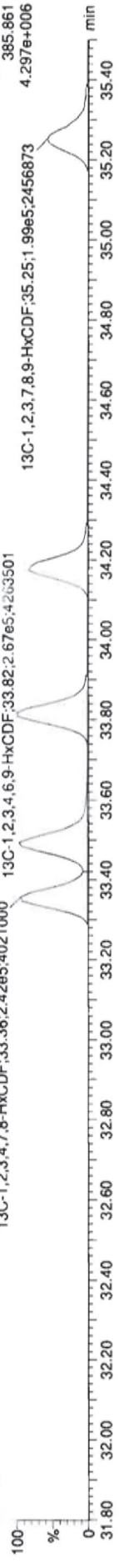
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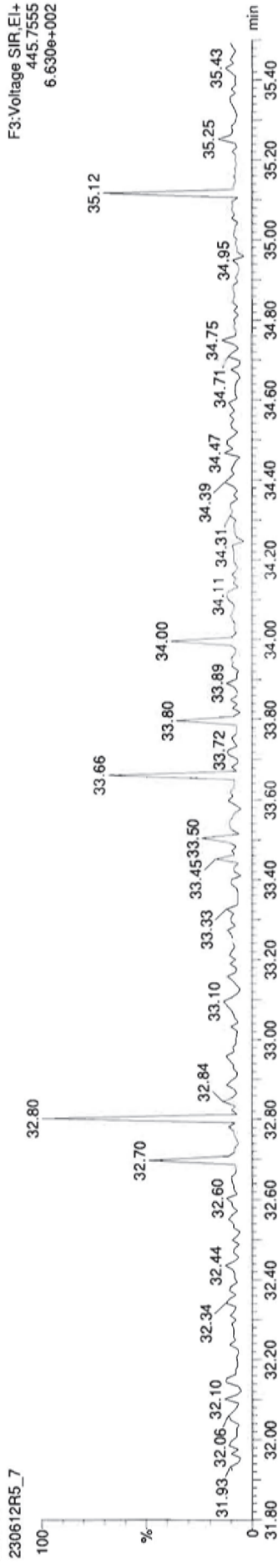
13C-1,2,3,4,7,8-HxCDF



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



DPE3



Dataset: Untitled

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



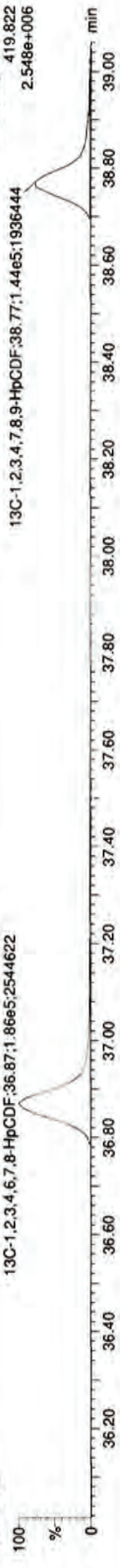
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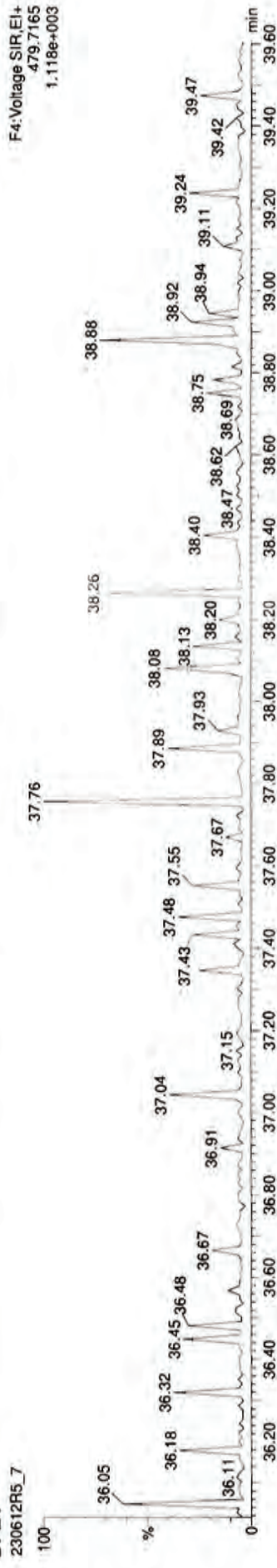
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13C-1,2,3,4,6,7,8-HpCDF



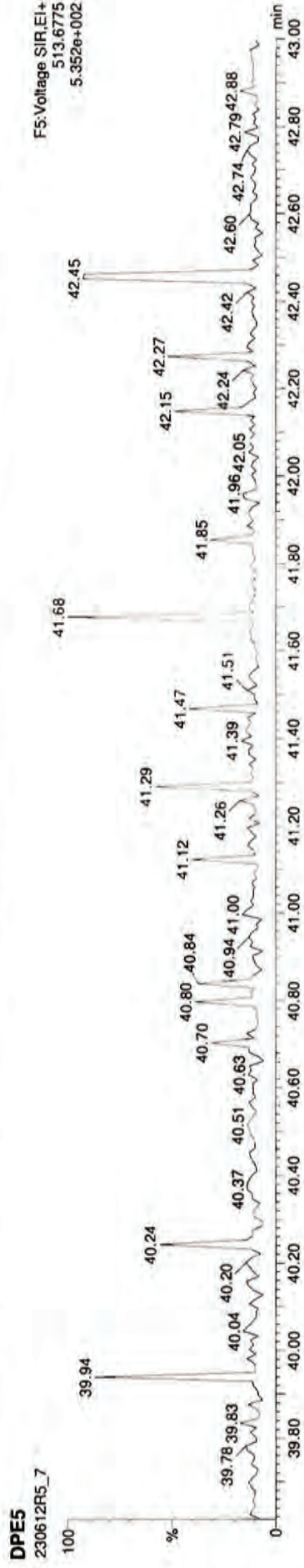
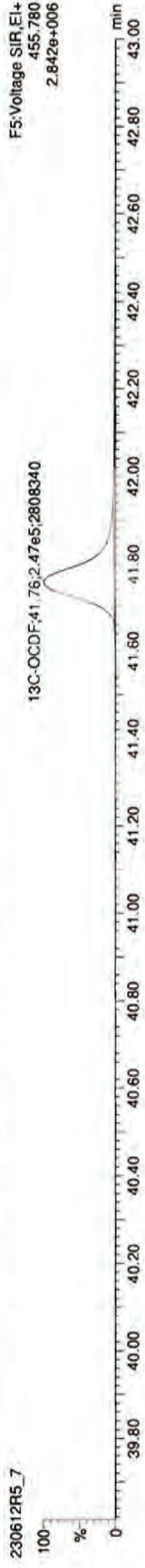
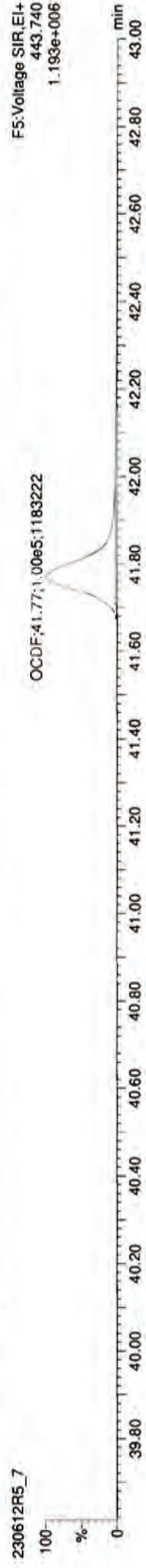
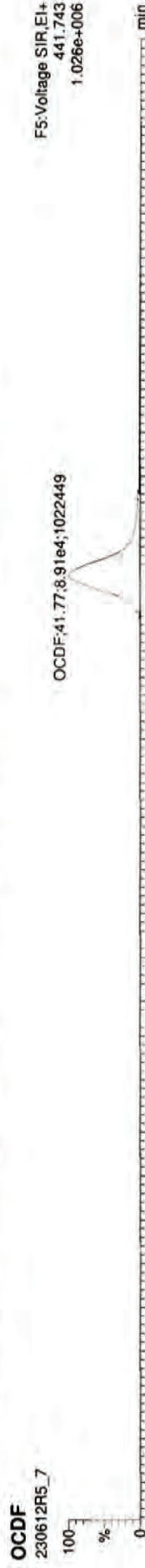
DPE4



Dataset: Untitled

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Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_7, Date: 12-Jun-2023, Time: 23:21:42, ID: SS230612R5_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806



Quantify Sample Report
Enthalpy Analytical EDH VG-12

MassLynx 4.1 SCN815
Dataset: Untitled

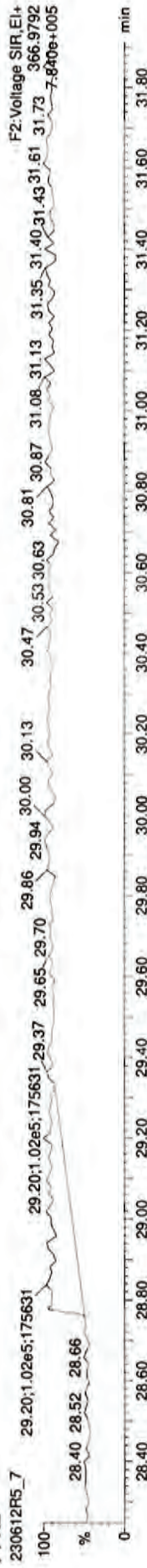
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Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_7, Date: 12-Jun-2023, Time: 23:21:42, ID: SS230612R5_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806

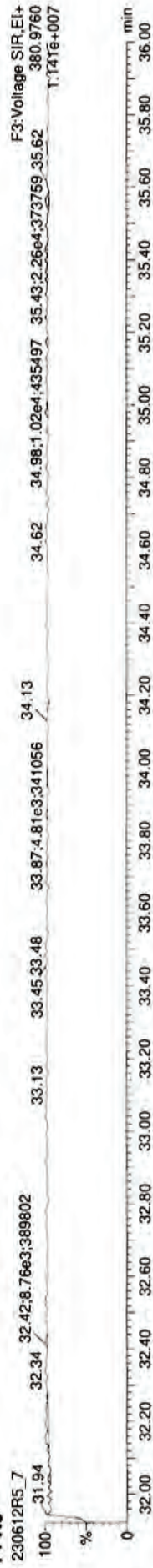
PFK1



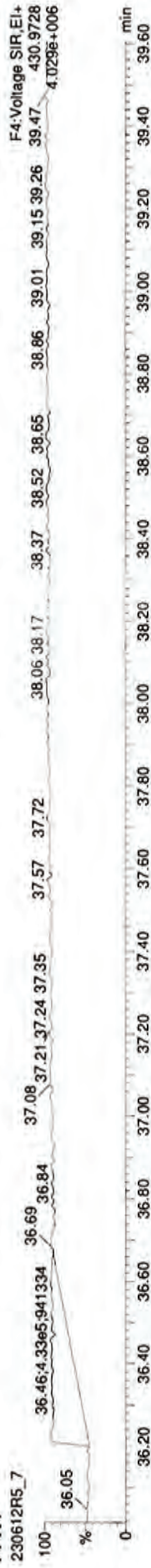
PFK2



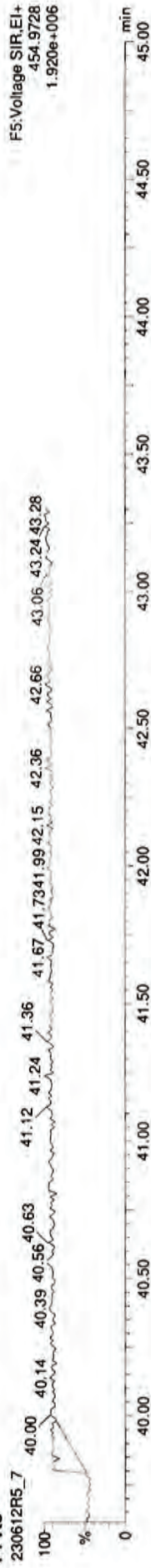
PFK3



PFK4



PFK5



Dataset: I:\VG12.PRO\Results\230621R2\230621R2-CRV.qld

Last Altered: Thursday, June 22, 2023 08:14:04 Pacific Daylight Time
Printed: Thursday, June 22, 2023 08:14:54 Pacific Daylight Time

Method: C:\MassLynx\DEFAULT.PRO\MethDB\1613rrt-6-20-23.mdb 20 Jun 2023 11:15:18
Calibration: C:\MassLynx\Default.pro\Curvedb\dbDIOXIN_1613vg12-6-21-23.cdb 22 Jun 2023 08:14:04

Compound name: 2,3,7,8-TCDD

Response Factor: 0.809988

RRF SD: 0.0807379, Relative SD: 9.96778

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	230621R2_1	0.250	0.76	NO	26.65	1.001	1.61e3	7.93e5	0.251	0.4	0.813	MM
2	230621R2_2	0.500	0.79	NO	26.62	1.001	2.94e3	8.37e5	0.433	-13.3	0.702	MM
3	230621R2_3	2.00	0.78	NO	26.64	1.001	9.02e3	6.15e5	1.81	-9.5	0.733	bb
4	230621R2_4	40.0	0.76	NO	26.64	1.001	3.63e5	9.86e5	45.4	13.6	0.920	bb
5	230621R2_5	300	0.77	NO	26.62	1.001	3.00e6	1.20e6	308	2.8	0.833	bb
6	230621R2_6	10.0	0.75	NO	26.64	1.001	8.17e4	9.50e5	10.6	6.1	0.859	db

Compound name: 1,2,3,7,8-PeCDD

Response Factor: 0.687857

RRF SD: 0.104168, Relative SD: 15.1439

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	230621R2_1	1.25	0.64	NO	30.93	1.001	5.05e3	7.10e5	1.03	-17.3	0.569	MM
2	230621R2_2	2.50	0.56	NO	30.92	1.000	9.92e3	6.75e5	2.14	-14.6	0.588	MM
3	230621R2_3	10.0	0.57	NO	30.92	1.000	3.15e4	4.89e5	9.39	-6.1	0.646	MM
4	230621R2_4	200	0.61	NO	30.92	1.000	1.18e6	7.24e5	236	18.0	0.812	bb
5	230621R2_5	1500	0.62	NO	30.90	1.000	9.73e6	9.07e5	1560	3.9	0.715	bb
6	230621R2_6	50.0	0.59	NO	30.92	1.000	2.75e5	6.89e5	58.0	16.1	0.799	bb

Compound name: 1,2,3,4,7,8-HxCDD

Response Factor: 0.772463

RRF SD: 0.0709022, Relative SD: 9.17872

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	230621R2_1	1.25	1.24	NO	34.23	1.000	3.85e3	4.49e5	1.11	-11.2	0.686	MM

MAF 06.22.23

ATM 06/22/23

End rescheck has some masses
210K, OK ATM 06/22/23

Not reporting any Full list
samples

Dataset: I:\VG12.PRO\Results\230621R2\230621R2-CRV.qld

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Compound name: 1,2,3,4,7,8-HxCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
2	230621R2_2	2.50	1.26	NO	34.23	1.001	8.31e3	4.64e5	2.32	-7.3	0.716	MM
3	230621R2_3	10.0	1.22	NO	34.23	1.000	2.50e4	3.30e5	9.84	-1.6	0.760	MM
4	230621R2_4	200	1.24	NO	34.23	1.000	9.96e5	5.75e5	224	12.1	0.866	bd
5	230621R2_5	1500	1.24	NO	34.21	1.000	8.53e6	7.47e5	1480	-1.5	0.761	bd
6	230621R2_6	50.0	1.25	NO	34.23	1.000	2.29e5	5.41e5	54.8	9.6	0.847	bd

Compound name: 1,2,3,6,7,8-HxCDD

Response Factor: 0.714604
RRF SD: 0.0900292, Relative SD: 12.5985
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	230621R2_1	1.25	1.31	NO	34.35	1.000	3.83e3	5.10e5	1.05	-16.0	0.601	MM
2	230621R2_2	2.50	1.19	NO	34.34	1.000	8.88e3	5.34e5	2.33	-7.0	0.665	MM
3	230621R2_3	10.0	1.22	NO	34.35	1.001	2.54e4	3.82e5	9.30	-7.0	0.664	MM
4	230621R2_4	200	1.24	NO	34.35	1.001	1.01e6	6.09e5	232	16.0	0.829	db
5	230621R2_5	1500	1.21	NO	34.33	1.000	8.46e6	7.86e5	1510	0.4	0.718	db
6	230621R2_6	50.0	1.24	NO	34.35	1.001	2.33e5	5.75e5	56.8	13.5	0.811	db

Compound name: 1,2,3,7,8,9-HxCDD

Response Factor: 0.718929
RRF SD: 0.0732911, Relative SD: 10.1945
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	230621R2_1	1.25	1.33	NO	34.65	1.001	4.16e3	5.17e5	1.12	-10.4	0.644	MM
2	230621R2_2	2.50	1.22	NO	34.65	1.001	8.91e3	5.37e5	2.31	-7.7	0.663	MM
3	230621R2_3	10.0	1.25	NO	34.65	1.000	2.60e4	3.82e5	9.46	-5.4	0.680	MM
4	230621R2_4	200	1.24	NO	34.65	1.000	1.02e6	6.19e5	229	14.7	0.825	bb
5	230621R2_5	1500	1.23	NO	34.62	1.000	8.65e6	8.13e5	1480	-1.4	0.709	bb
6	230621R2_6	50.0	1.25	NO	34.65	1.001	2.32e5	5.85e5	55.1	10.2	0.792	bb

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Compound name: 1,2,3,4,6,7,8-HpCDD

Response Factor: 0.745066

RRF SD: 0.0901169, Relative SD: 12.0952

Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230621R2_1	1.25	0.96	NO	38.01	1.000	3.10e3	3.83e5	1.09	-13.0	0.648	MM
2 230621R2_2	2.50	0.96	NO	38.00	1.000	6.57e3	3.87e5	2.28	-8.8	0.680	MM
3 230621R2_3	10.0	1.03	NO	38.02	1.000	1.90e4	2.75e5	9.24	-7.6	0.688	bb
4 230621R2_4	200	1.04	NO	38.02	1.000	7.74e5	4.41e5	236	17.8	0.878	bb
5 230621R2_5	1500	1.02	NO	37.99	1.000	6.84e6	6.06e5	1520	1.1	0.753	bb
6 230621R2_6	50.0	1.05	NO	38.02	1.001	1.72e5	4.18e5	55.2	10.5	0.823	bb

Compound name: OCDD

Response Factor: 0.706442

RRF SD: 0.0841638, Relative SD: 11.9137

Response type: Internal Std (Ref 24), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230621R2_1	2.50	0.93	NO	41.34	1.001	4.75e3	6.19e5	2.17	-13.0	0.614	MM
2 230621R2_2	5.00	0.87	NO	41.32	1.000	9.78e3	6.22e5	4.45	-11.0	0.629	MM
3 230621R2_3	20.0	0.90	NO	41.34	1.001	3.02e4	4.53e5	18.9	-5.5	0.668	MM
4 230621R2_4	400	0.88	NO	41.33	1.000	1.24e6	7.62e5	459	14.8	0.811	bb
5 230621R2_5	3000	0.88	NO	41.32	1.000	1.16e7	1.08e6	3050	1.8	0.719	bb
6 230621R2_6	100	0.86	NO	41.34	1.001	2.81e5	7.04e5	113	12.9	0.798	bb

Compound name: 2,3,7,8-TCDF

Response Factor: 0.684122

RRF SD: 0.121485, Relative SD: 17.7578

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 230621R2_1	0.250	0.80	NO	26.02	1.001	1.52e3	1.09e6	0.203	-18.6	0.557	MM
2 230621R2_2	0.500	0.78	NO	26.02	1.001	3.30e3	1.14e6	0.423	-15.5	0.578	MM
3 230621R2_3	2.00	0.72	NO	26.03	1.001	9.99e3	8.44e5	1.73	-13.5	0.592	MM
4 230621R2_4	40.0	0.73	NO	26.03	1.001	3.82e5	1.15e6	48.7	21.8	0.833	bb

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Compound name: 2,3,7,8-TCDF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
5	230621R2_5	300	NO	26.00	1.001	3.12e6	1.36e6	334	11.5	0.763	bb
6	230621R2_6	10.0	NO	26.02	1.001	8.61e4	1.10e6	11.4	14.3	0.782	db

Compound name: 1,2,3,7,8-PeCDF

Response Factor: 0.698427
RRF SD: 0.101377, Relative SD: 14.515
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	230621R2_1	1.25	NO	29.77	1.000	6.28e3	8.54e5	1.05	-15.8	0.588	bb
2	230621R2_2	2.50	NO	29.77	1.001	1.31e4	8.84e5	2.13	-14.9	0.594	bb
3	230621R2_3	10.0	NO	29.77	1.001	4.25e4	6.37e5	9.57	-4.3	0.668	bb
4	230621R2_4	200	NO	29.77	1.000	1.62e6	9.93e5	234	16.8	0.816	bb
5	230621R2_5	1500	NO	29.76	1.001	1.33e7	1.25e6	1520	1.5	0.709	bb
6	230621R2_6	50.0	NO	29.77	1.001	3.78e5	9.28e5	58.3	16.7	0.815	bb

Compound name: 2,3,4,7,8-PeCDF

Response Factor: 0.775217
RRF SD: 0.109134, Relative SD: 14.0778
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	230621R2_1	1.25	NO	30.75	1.000	7.34e3	8.88e5	1.07	-14.7	0.661	bb
2	230621R2_2	2.50	NO	30.74	1.000	1.40e4	8.60e5	2.09	-16.3	0.649	bb
3	230621R2_3	10.0	NO	30.75	1.000	4.77e4	6.29e5	9.78	-2.2	0.758	bb
4	230621R2_4	200	NO	30.74	1.000	1.75e6	9.74e5	232	15.8	0.898	bb
5	230621R2_5	1500	NO	30.72	1.000	1.44e7	1.22e6	1520	1.6	0.788	bb
6	230621R2_6	50.0	NO	30.74	1.000	4.14e5	9.23e5	57.9	15.8	0.898	bb

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Compound name: 1,2,3,4,7,8-HxCDF

Response Factor: 0.785482

RRF SD: 0.143355, Relative SD: 18.2506

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	230621R2_1	1.25	1.19	NO	33.31	1.001	4.49e3	5.69e5	1.01	-19.6	0.632	MM
2	230621R2_2	2.50	1.28	NO	33.29	1.000	9.38e3	5.95e5	2.01	-19.8	0.630	bd
3	230621R2_3	10.0	1.30	NO	33.31	1.001	3.07e4	4.18e5	9.35	-6.5	0.734	bd
4	230621R2_4	200	1.23	NO	33.31	1.001	1.21e6	6.37e5	243	21.3	0.953	bd
5	230621R2_5	1500	1.21	NO	33.28	1.000	1.03e7	8.31e5	1580	5.4	0.828	bd
6	230621R2_6	50.0	1.23	NO	33.31	1.001	2.83e5	6.06e5	59.5	19.1	0.935	bd

Compound name: 1,2,3,6,7,8-HxCDF

Response Factor: 0.747941

RRF SD: 0.112064, Relative SD: 14.983

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	230621R2_1	1.25	1.23	NO	33.44	1.000	4.60e3	5.89e5	1.05	-16.4	0.625	MM
2	230621R2_2	2.50	1.22	NO	33.44	1.001	1.00e4	6.22e5	2.16	-13.6	0.646	db
3	230621R2_3	10.0	1.24	NO	33.44	1.001	3.03e4	4.39e5	9.23	-7.7	0.690	db
4	230621R2_4	200	1.22	NO	33.44	1.001	1.24e6	7.04e5	236	18.2	0.884	db
5	230621R2_5	1500	1.21	NO	33.42	1.000	1.05e7	9.07e5	1550	3.1	0.771	db
6	230621R2_6	50.0	1.21	NO	33.44	1.001	2.90e5	6.66e5	58.2	16.5	0.871	db

Compound name: 2,3,4,6,7,8-HxCDF

Response Factor: 0.770286

RRF SD: 0.121088, Relative SD: 15.7199

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	230621R2_1	1.25	1.13	NO	34.14	1.001	4.12e3	5.30e5	1.01	-19.1	0.623	MM
2	230621R2_2	2.50	1.31	NO	34.12	1.001	9.31e3	5.56e5	2.17	-13.2	0.669	MM
3	230621R2_3	10.0	1.21	NO	34.12	1.000	2.84e4	3.98e5	9.27	-7.3	0.714	bb
4	230621R2_4	200	1.20	NO	34.12	1.000	1.16e6	6.36e5	237	18.6	0.914	bb

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Compound name: 2,3,4,6,7,8-HxCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
5	230621R2_5	1500	1.21	NO	34.11	1.001	9.74e6	8.09e5	1560	4.2	0.803	bb
6	230621R2_6	50.0	1.25	NO	34.12	1.000	2.66e5	5.92e5	58.4	16.7	0.899	bb

Compound name: 1,2,3,7,8,9-HxCDF

Response Factor: 0.765634
RRF SD: 0.105597, Relative SD: 13.7921
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	230621R2_1	1.25	1.30	NO	35.19	1.000	3.88e3	4.62e5	1.10	-12.3	0.671	MM
2	230621R2_2	2.50	1.21	NO	35.19	1.001	8.16e3	4.94e5	2.16	-13.6	0.661	MM
3	230621R2_3	10.0	1.29	NO	35.20	1.001	2.35e4	3.37e5	9.10	-9.0	0.696	bd
4	230621R2_4	200	1.22	NO	35.19	1.001	9.98e5	5.50e5	237	18.4	0.906	bb
5	230621R2_5	1500	1.21	NO	35.17	1.000	8.59e6	7.26e5	1550	3.1	0.789	bb
6	230621R2_6	50.0	1.26	NO	35.19	1.001	2.25e5	5.17e5	56.8	13.6	0.869	bb

Compound name: 1,2,3,4,6,7,8-HpCDF

Response Factor: 0.833898
RRF SD: 0.108622, Relative SD: 13.0258
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	230621R2_1	1.25	1.03	NO	36.82	1.000	3.31e3	3.72e5	1.07	-14.7	0.711	MM
2	230621R2_2	2.50	1.02	NO	36.81	1.000	7.16e3	3.91e5	2.20	-12.1	0.733	MM
3	230621R2_3	10.0	0.98	NO	36.82	1.000	2.10e4	2.69e5	9.35	-6.5	0.780	bb
4	230621R2_4	200	1.02	NO	36.81	1.000	8.90e5	4.61e5	232	15.8	0.966	bb
5	230621R2_5	1500	1.00	NO	36.79	1.000	7.96e6	6.09e5	1570	4.5	0.871	MM
6	230621R2_6	50.0	1.00	NO	36.81	1.000	2.08e5	4.42e5	56.6	13.1	0.943	MM

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Compound name: 1,2,3,4,7,8,9-HpCDF

Response Factor: 0.862818

RRF SD: 0.160062, Relative SD: 18.5511

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	230621R2_1	1.25	0.98	NO	38.73	1.001	2.62e3	3.05e5	0.994	-20.5	0.686 MM
2	230621R2_2	2.50	0.98	NO	38.71	1.000	5.77e3	3.22e5	2.08	-17.0	0.716 MM
3	230621R2_3	10.0	1.01	NO	38.72	1.000	1.74e4	2.26e5	8.90	-11.0	0.768 MM
4	230621R2_4	200	1.01	NO	38.71	1.000	7.47e5	3.49e5	248	24.0	1.07 bb
5	230621R2_5	1500	1.02	NO	38.70	1.000	6.72e6	4.75e5	1640	9.3	0.943 bb
6	230621R2_6	50.0	1.00	NO	38.71	1.000	1.69e5	3.39e5	57.6	15.2	0.994 MM

Compound name: OCDF

Response Factor: 0.65133

RRF SD: 0.105677, Relative SD: 16.2248

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	230621R2_1	2.50	0.88	NO	41.69	1.000	4.64e3	6.93e5	2.05	-17.8	0.535 MM
2	230621R2_2	5.00	0.86	NO	41.68	1.000	1.01e4	7.31e5	4.24	-15.2	0.552 MM
3	230621R2_3	20.0	0.86	NO	41.69	1.000	3.06e4	5.16e5	18.2	-8.8	0.594 MM
4	230621R2_4	400	0.88	NO	41.69	1.000	1.33e6	8.47e5	480	20.1	0.782 bb
5	230621R2_5	3000	0.87	NO	41.67	1.000	1.28e7	1.24e6	3180	6.0	0.691 bb
6	230621R2_6	100	0.86	NO	41.69	1.000	3.00e5	7.97e5	116	15.8	0.754 bb

Compound name: 13C-2,3,7,8-TCDD

Response Factor: 1.10451

RRF SD: 0.0806359, Relative SD: 7.30058

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	230621R2_1	100	0.75	NO	26.63	1.027	7.93e5	7.69e5	93.4	-6.6	1.03 bb
2	230621R2_2	100	0.76	NO	26.61	1.027	8.37e5	7.93e5	95.5	-4.5	1.06 bb
3	230621R2_3	100	0.76	NO	26.61	1.026	6.15e5	5.99e5	93.0	-7.0	1.03 bb
4	230621R2_4	100	0.75	NO	26.61	1.026	9.86e5	8.37e5	107	6.6	1.18 bb

Dataset: I:\VG12.PRO\Results\230621R2\230621R2-CRV.qld

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Compound name: 13C-2,3,7,8-TCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
5	230621R2_5	100	0.76	NO	26.59	1.026	1.20e6	9.86e5	110	10.4	1.22	bb
6	230621R2_6	100	0.76	NO	26.61	1.026	9.50e5	8.52e5	101	1.0	1.12	bb

Compound name: 13C-1,2,3,7,8-PeCDD

Response Factor: 0.864145
RRF SD: 0.0496569, Relative SD: 5.74636
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	230621R2_1	100	0.61	NO	30.90	1.192	7.10e5	7.69e5	107	6.9	0.924	bb
2	230621R2_2	100	0.62	NO	30.90	1.192	6.75e5	7.93e5	98.5	-1.5	0.851	bb
3	230621R2_3	100	0.60	NO	30.90	1.192	4.89e5	5.99e5	94.3	-5.7	0.815	bb
4	230621R2_4	100	0.61	NO	30.90	1.192	7.24e5	8.37e5	100	0.1	0.865	bb
5	230621R2_5	100	0.61	NO	30.89	1.192	9.07e5	9.86e5	106	6.5	0.920	bb
6	230621R2_6	100	0.60	NO	30.90	1.192	6.89e5	8.52e5	93.6	-6.4	0.809	bb

Compound name: 13C-1,2,3,4,7,8-HxCDD

Response Factor: 0.833967
RRF SD: 0.109759, Relative SD: 13.161
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	230621R2_1	100	1.27	NO	34.22	1.014	4.49e5	5.90e5	91.2	-8.8	0.760	bd
2	230621R2_2	100	1.27	NO	34.21	1.014	4.64e5	6.25e5	89.1	-10.9	0.743	bd
3	230621R2_3	100	1.28	NO	34.22	1.014	3.30e5	4.48e5	88.2	-11.8	0.735	bd
4	230621R2_4	100	1.26	NO	34.22	1.014	5.75e5	6.30e5	110	9.5	0.913	bd
5	230621R2_5	100	1.27	NO	34.19	1.014	7.47e5	7.41e5	121	20.9	1.01	bd
6	230621R2_6	100	1.25	NO	34.22	1.014	5.41e5	6.42e5	101	1.1	0.843	bd

Dataset: I:\VG12.PRO\Results\230621R2\230621R2-CRV.qld

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Compound name: 13C-1,2,3,6,7,8-HxCDD

Response Factor: 0.915749

RRF SD: 0.0830399, Relative SD: 9.06798

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 230621R2_1	100	1.22	NO	34.34	1.018	5.10e5	5.90e5	94.3	-5.7	0.864	db
2 230621R2_2	100	1.26	NO	34.33	1.018	5.34e5	6.25e5	93.3	-6.7	0.855	db
3 230621R2_3	100	1.23	NO	34.33	1.017	3.82e5	4.48e5	93.1	-6.9	0.853	dd
4 230621R2_4	100	1.21	NO	34.33	1.017	6.09e5	6.30e5	106	5.6	0.967	db
5 230621R2_5	100	1.23	NO	34.32	1.017	7.86e5	7.41e5	116	15.8	1.06	db
6 230621R2_6	100	1.22	NO	34.33	1.017	5.75e5	6.42e5	97.8	-2.2	0.896	db

Compound name: 13C-1,2,3,7,8,9-HxCDD

Response Factor: 0.929516

RRF SD: 0.0949305, Relative SD: 10.2129

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 230621R2_1	100	1.26	NO	34.63	1.026	5.17e5	5.90e5	94.2	-5.8	0.876	MM
2 230621R2_2	100	1.27	NO	34.62	1.026	5.37e5	6.25e5	92.5	-7.5	0.860	bd
3 230621R2_3	100	1.20	NO	34.63	1.026	3.82e5	4.48e5	91.5	-8.4	0.852	bb
4 230621R2_4	100	1.25	NO	34.63	1.026	6.19e5	6.30e5	106	5.7	0.982	bb
5 230621R2_5	100	1.26	NO	34.61	1.026	8.13e5	7.41e5	118	18.0	1.10	bd
6 230621R2_6	100	1.22	NO	34.62	1.026	5.85e5	6.42e5	97.9	-2.1	0.910	bb

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

Response Factor: 0.674947

RRF SD: 0.0761741, Relative SD: 11.2859

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 230621R2_1	100	1.03	NO	38.01	1.126	3.83e5	5.90e5	96.1	-3.9	0.649	bb
2 230621R2_2	100	1.03	NO	37.99	1.126	3.87e5	6.25e5	91.7	-8.3	0.619	bb
3 230621R2_3	100	1.00	NO	38.01	1.126	2.75e5	4.48e5	91.0	-9.0	0.614	bb
4 230621R2_4	100	1.04	NO	38.01	1.126	4.41e5	6.30e5	104	3.7	0.700	bb

Dataset: I:\VG12.PRO\Results\230621R2\230621R2-CRV.qld

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

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
5 230621R2_5	100	1.00	NO	37.98	1.126	6.06e5	7.41e5	121	21.1	0.817	bb
6 230621R2_6	100	1.03	NO	37.99	1.126	4.18e5	6.42e5	96.4	-3.6	0.651	bb

Compound name: 13C-OCDD

Response Factor: 0.567948
RRF SD: 0.0865368, Relative SD: 15.2368
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 230621R2_1	200	0.89	NO	41.32	1.225	6.19e5	5.90e5	185	-7.6	0.525	MM
2 230621R2_2	200	0.87	NO	41.31	1.225	6.22e5	6.25e5	175	-12.3	0.498	bb
3 230621R2_3	200	0.87	NO	41.32	1.225	4.53e5	4.48e5	178	-11.0	0.505	bd
4 230621R2_4	200	0.84	NO	41.32	1.224	7.52e5	6.30e5	213	6.6	0.605	bb
5 230621R2_5	200	0.86	NO	41.31	1.225	1.08e6	7.41e5	256	27.8	0.726	bb
6 230621R2_6	200	0.89	NO	41.32	1.225	7.04e5	6.42e5	193	-3.5	0.548	bb

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 1.06292
RRF SD: 0.0526709, Relative SD: 4.95528
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 230621R2_1	100	0.75	NO	26.00	1.003	1.09e6	9.79e5	105	5.0	1.12	bb
2 230621R2_2	100	0.75	NO	26.00	1.003	1.14e6	1.03e6	105	4.5	1.11	bb
3 230621R2_3	100	0.77	NO	26.00	1.003	8.44e5	7.81e5	102	1.7	1.08	bb
4 230621R2_4	100	0.77	NO	26.00	1.003	1.15e6	1.11e6	97.1	-2.9	1.03	bb
5 230621R2_5	100	0.76	NO	25.99	1.003	1.36e6	1.29e6	99.8	-0.2	1.06	bb
6 230621R2_6	100	0.76	NO	26.00	1.003	1.10e6	1.13e6	91.9	-8.1	0.977	bb

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Compound name: 13C-1,2,3,7,8-PeCDF

Response Factor: 0.872608

RRF SD: 0.0569888, Relative SD: 6.53085

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	230621R2_1	100	1.57	NO	29.77	1.148	8.54e5	9.79e5	100	-0.0	0.872	bb
2	230621R2_2	100	1.57	NO	29.76	1.148	8.84e5	1.03e6	98.6	-1.4	0.860	bb
3	230621R2_3	100	1.55	NO	29.76	1.148	6.37e5	7.81e5	93.4	-6.6	0.815	bb
4	230621R2_4	100	1.56	NO	29.76	1.148	9.93e5	1.11e6	102	2.4	0.894	bb
5	230621R2_5	100	1.55	NO	29.74	1.148	1.25e6	1.29e6	111	11.4	0.972	bb
6	230621R2_6	100	1.57	NO	29.76	1.148	9.28e5	1.13e6	94.3	-5.7	0.823	bb

Compound name: 13C-2,3,4,7,8-PeCDF

Response Factor: 0.86565

RRF SD: 0.0557719, Relative SD: 6.44278

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	230621R2_1	100	1.56	NO	30.74	1.185	8.88e5	9.79e5	105	4.8	0.907	bb
2	230621R2_2	100	1.53	NO	30.72	1.185	8.60e5	1.03e6	96.6	-3.4	0.836	bb
3	230621R2_3	100	1.56	NO	30.74	1.185	6.29e5	7.81e5	93.1	-6.9	0.806	bb
4	230621R2_4	100	1.56	NO	30.74	1.185	9.74e5	1.11e6	101	1.3	0.877	bb
5	230621R2_5	100	1.54	NO	30.71	1.185	1.22e6	1.29e6	110	9.7	0.950	bb
6	230621R2_6	100	1.56	NO	30.72	1.185	9.23e5	1.13e6	94.5	-5.5	0.818	bb

Compound name: 13C-1,2,3,4,7,8-HxCDF

Response Factor: 0.987467

RRF SD: 0.0712017, Relative SD: 7.21054

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	230621R2_1	100	0.49	NO	33.29	0.987	5.69e5	5.90e5	97.6	-2.4	0.964	bd
2	230621R2_2	100	0.50	NO	33.28	0.987	5.95e5	6.25e5	96.5	-3.5	0.952	bd
3	230621R2_3	100	0.48	NO	33.28	0.986	4.18e5	4.48e5	94.4	-5.6	0.932	bd
4	230621R2_4	100	0.50	NO	33.28	0.986	6.37e5	6.30e5	102	2.4	1.01	bd

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Compound name: 13C-1,2,3,4,7,8-HxCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
5	230621R2_5	100	0.50	NO	33.27	0.986	8.31e5	7.41e5	114	13.6	1.12	bd
6	230621R2_6	100	0.50	NO	33.28	0.986	6.06e5	6.42e5	95.6	-4.4	0.944	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF

Response Factor: 1.0585
RRF SD: 0.094946, Relative SD: 8.96987
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	230621R2_1	100	0.49	NO	33.43	0.991	5.89e5	5.90e5	94.2	-5.8	0.998	db
2	230621R2_2	100	0.50	NO	33.42	0.991	6.22e5	6.25e5	94.0	-6.0	0.995	db
3	230621R2_3	100	0.49	NO	33.42	0.990	4.39e5	4.48e5	92.6	-7.4	0.980	db
4	230621R2_4	100	0.50	NO	33.42	0.990	7.04e5	6.30e5	106	5.6	1.12	db
5	230621R2_5	100	0.50	NO	33.41	0.990	9.07e5	7.41e5	116	15.6	1.22	db
6	230621R2_6	100	0.51	NO	33.42	0.990	6.66e5	6.42e5	98.0	-2.0	1.04	db

Compound name: 13C-2,3,4,6,7,8-HxCDF

Response Factor: 0.949831
RRF SD: 0.0829734, Relative SD: 8.73559
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	230621R2_1	100	0.49	NO	34.11	1.011	5.30e5	5.90e5	94.5	-5.5	0.897	bb
2	230621R2_2	100	0.50	NO	34.10	1.011	5.56e5	6.25e5	93.8	-6.2	0.891	MM
3	230621R2_3	100	0.49	NO	34.11	1.011	3.98e5	4.48e5	93.4	-6.6	0.888	bb
4	230621R2_4	100	0.51	NO	34.11	1.011	6.36e5	6.30e5	106	6.3	1.01	bd
5	230621R2_5	100	0.51	NO	34.09	1.011	8.09e5	7.41e5	115	14.9	1.09	bb
6	230621R2_6	100	0.49	NO	34.11	1.011	5.92e5	6.42e5	97.1	-2.9	0.922	bb

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Compound name: 13C-1,2,3,7,8,9-HxCDF

Response Factor: 0.830479

RRF SD: 0.0834916, Relative SD: 10.0534

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	230621R2_1	100	0.49	NO	35.18	1.042	4.62e5	5.90e5	94.3	-5.7	0.783	bb
2	230621R2_2	100	0.51	NO	35.17	1.043	4.94e5	6.25e5	95.2	-4.8	0.790	MM
3	230621R2_3	100	0.47	NO	35.18	1.042	3.37e5	4.48e5	90.5	-9.5	0.751	bb
4	230621R2_4	100	0.49	NO	35.17	1.042	5.50e5	6.30e5	105	5.2	0.874	bb
5	230621R2_5	100	0.51	NO	35.16	1.042	7.26e5	7.41e5	118	17.9	0.980	bb
6	230621R2_6	100	0.51	NO	35.17	1.042	5.17e5	6.42e5	96.9	-3.1	0.805	bd

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

Response Factor: 0.682868

RRF SD: 0.0831484, Relative SD: 12.1763

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	230621R2_1	100	0.41	NO	36.81	1.091	3.72e5	5.90e5	92.4	-7.6	0.631	bb
2	230621R2_2	100	0.41	NO	36.79	1.091	3.91e5	6.25e5	91.6	-8.4	0.625	bb
3	230621R2_3	100	0.40	NO	36.81	1.091	2.69e5	4.48e5	87.8	-12.2	0.600	bb
4	230621R2_4	100	0.42	NO	36.79	1.090	4.61e5	6.30e5	107	7.2	0.732	bb
5	230621R2_5	100	0.42	NO	36.78	1.090	6.09e5	7.41e5	120	20.3	0.822	bb
6	230621R2_6	100	0.42	NO	36.79	1.090	4.42e5	6.42e5	101	0.7	0.588	bb

Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Response Factor: 0.543614

RRF SD: 0.0507182, Relative SD: 9.32981

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	230621R2_1	100	0.41	NO	38.71	1.147	3.05e5	5.90e5	95.1	-4.9	0.517	bb
2	230621R2_2	100	0.40	NO	38.70	1.147	3.22e5	6.25e5	94.8	-5.2	0.515	bb
3	230621R2_3	100	0.40	NO	38.71	1.147	2.26e5	4.48e5	92.9	-7.1	0.505	MM
4	230621R2_4	100	0.42	NO	38.70	1.147	3.49e5	6.30e5	102	2.0	0.555	bd

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Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
5 230621R2_5	100	0.41	NO	38.69	1.147	4.75e5	7.41e5	118	17.9	0.641	bb
6 230621R2_6	100	0.39	NO	38.70	1.147	3.39e5	6.42e5	97.2	-2.8	0.529	bb

Compound name: 13C-OCDF

Response Factor: 0.646166
RRF SD: 0.099828, Relative SD: 15.4493
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 230621R2_1	200	0.85	NO	41.68	1.235	6.93e5	5.90e5	182	-9.1	0.587	bb
2 230621R2_2	200	0.88	NO	41.67	1.235	7.31e5	6.25e5	181	-9.5	0.585	MM
3 230621R2_3	200	0.86	NO	41.68	1.235	5.16e5	4.48e5	178	-11.0	0.575	MM
4 230621R2_4	200	0.87	NO	41.68	1.235	8.47e5	6.30e5	208	4.1	0.673	bb
5 230621R2_5	200	0.87	NO	41.66	1.235	1.24e6	7.41e5	259	29.5	0.836	bb
6 230621R2_6	200	0.86	NO	41.68	1.235	7.97e5	6.42e5	192	-4.0	0.620	bb

Compound name: 37Cl-2,3,7,8-TCDD

Response Factor: 0.905083
RRF SD: 0.140478, Relative SD: 15.521
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 230621R2_1	0.250			26.64	1.027	1.48e3	7.69e5	0.212	-15.0	0.769	MM
2 230621R2_2	0.500			26.64	1.028	3.02e3	7.93e5	0.421	-15.8	0.762	MM
3 230621R2_3	2.00			26.62	1.027	1.00e4	5.99e5	1.85	-7.7	0.835	MM
4 230621R2_4	40.0			26.64	1.027	3.70e5	8.37e5	48.8	22.0	1.10	bb
5 230621R2_5	200			26.61	1.027	2.02e6	9.86e5	226	13.2	1.02	bb
6 230621R2_6	10.0			26.64	1.027	7.98e4	8.52e5	10.3	3.4	0.936	bb

Dataset: I:\VG12.PRO\Results\230621R2\230621R2-CRV.qld

Last Altered: Thursday, June 22, 2023 08:14:04 Pacific Daylight Time
Printed: Thursday, June 22, 2023 08:14:54 Pacific Daylight Time

Compound name: 13C-1,2,3,4-TCDD

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230621R2_1	100	0.77	NO	25.93	1.000	7.69e5	7.69e5	100	0.0	1.00	bb
2	230621R2_2	100	0.76	NO	25.92	1.000	7.93e5	7.93e5	100	0.0	1.00	bb
3	230621R2_3	100	0.77	NO	25.93	1.000	5.99e5	5.99e5	100	0.0	1.00	bb
4	230621R2_4	100	0.77	NO	25.93	1.000	8.37e5	8.37e5	100	0.0	1.00	bb
5	230621R2_5	100	0.76	NO	25.92	1.000	9.86e5	9.86e5	100	0.0	1.00	bb
6	230621R2_6	100	0.77	NO	25.93	1.000	8.52e5	8.52e5	100	0.0	1.00	bb

Compound name: 13C-1,2,3,4-TCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230621R2_1	100	0.77	NO	24.63	1.000	9.79e5	9.79e5	100	0.0	1.00	bb
2	230621R2_2	100	0.76	NO	24.61	1.000	1.03e6	1.03e6	100	0.0	1.00	bb
3	230621R2_3	100	0.78	NO	24.61	1.000	7.81e5	7.81e5	100	0.0	1.00	bb
4	230621R2_4	100	0.77	NO	24.61	1.000	1.11e6	1.11e6	100	0.0	1.00	bb
5	230621R2_5	100	0.76	NO	24.60	1.000	1.29e6	1.29e6	100	0.0	1.00	bb
6	230621R2_6	100	0.76	NO	24.61	1.000	1.13e6	1.13e6	100	0.0	1.00	bb

Compound name: 13C-1,2,3,4,6,9-HxCDF

Response Factor: 1

RRF SD: 4.96507e-017, Relative SD: 4.96507e-015

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	230621R2_1	100	0.50	NO	33.74	1.000	5.90e5	5.90e5	100	0.0	1.00	bb
2	230621R2_2	100	0.49	NO	33.73	1.000	6.25e5	6.25e5	100	0.0	1.00	bb
3	230621R2_3	100	0.49	NO	33.74	1.000	4.48e5	4.48e5	100	-0.0	1.00	bb
4	230621R2_4	100	0.51	NO	33.74	1.000	6.30e5	6.30e5	100	0.0	1.00	bb

Dataset: I:\VG12.PRO\Results\230621R2\230621R2-CRV.qld

Last Altered: Thursday, June 22, 2023 08:14:04 Pacific Daylight Time
Printed: Thursday, June 22, 2023 08:14:54 Pacific Daylight Time

Compound name: 13C-1,2,3,4,6,9-HxCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
5	230621R2_5	100	0.51	NO	33.73	1.000	7.41e5	7.41e5	100	0.0	1.00	bb
6	230621R2_6	100	0.49	NO	33.74	1.000	6.42e5	6.42e5	100	0.0	1.00	bb

Dataset: Untitled

Last Altered: Thursday, June 22, 2023 08:18:57 Pacific Daylight Time
Printed: Thursday, June 22, 2023 08:19:16 Pacific Daylight Time

Method: C:\MassLynx\DEFAULT.PRO\MethDB\1613rrt-6-20-23.mdb 20 Jun 2023 11:15:18
Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\BIOXIN_1613vg12-6-21-23.cdb 22 Jun 2023 08:14:04

Compound name: 2,3,7,8-TCDD

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2	230621R2_2	ST230621R2_2 1613 CS1 21G0803	21-Jun-23	11:57:06
3	230621R2_3	ST230621R2_3 1613 CS2 21G0804	21-Jun-23	12:41:39
4	230621R2_4	ST230621R2_4 1613 CS4 23E1004	21-Jun-23	13:26:46
5	230621R2_5	ST230621R2_5 1613 CS5 23E1005	21-Jun-23	14:11:53
6	230621R2_6	ST230621R2_6 1613 CS3 23E1003	21-Jun-23	14:56:52
7	230621R2_7	SS230621R2_1 1613 SSS 21G0806	21-Jun-23	15:42:52
8	230621R2_8	B23F080-BS2 OPR 10	21-Jun-23	16:40:45
9	230621R2_9	SOLVENT BLANK	21-Jun-23	17:25:22
10	230621R2_10	B23F080-BLK2 Method Blank 10	21-Jun-23	18:10:29
11	230621R2_11	2305176-04 051723-06 0.99641	21-Jun-23	18:55:36
12	230621R2_12	2305176-05 051723-05 1.06099	21-Jun-23	19:40:35
13	230621R2_13	2305176-07 051723-08 1.01012	21-Jun-23	20:25:33
14	230621R2_14	2305176-08 051723-09 1.0364	21-Jun-23	21:10:38
15	230621R2_15	2305176-09 051723-10 1.02897	21-Jun-23	21:55:36
16	230621R2_16	2305176-10 051723-12 1.0241	21-Jun-23	22:40:44
17	230621R2_17	2305176-11 051723-13 1.03256	21-Jun-23	23:25:50
18	230621R2_18	2305176-12 051723-14 1.04311	22-Jun-23	00:10:57
19	230621R2_19	2305176-13 051723-15 1.04812	22-Jun-23	00:56:03
20	230621R2_20	B23E315-MS1 Matrix Spike 1.00932	22-Jun-23	01:41:02
21	230621R2_21	B23E315-MSD1 Matrix Spike Dup 1.05239	22-Jun-23	02:26:09
22	230621R3_1	SOLVENT BLANK	22-Jun-23	03:20:02
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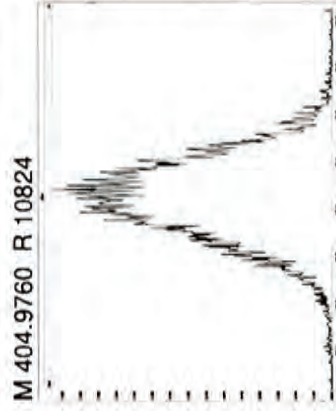
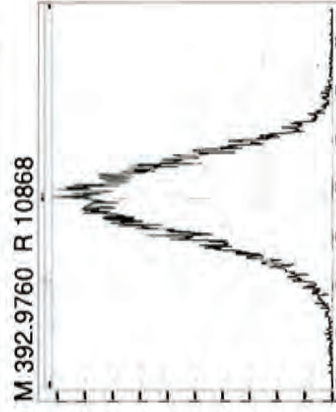
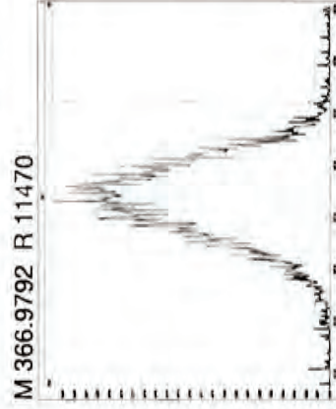
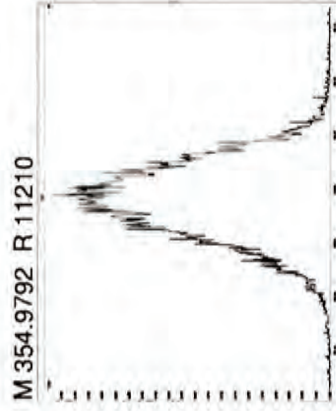
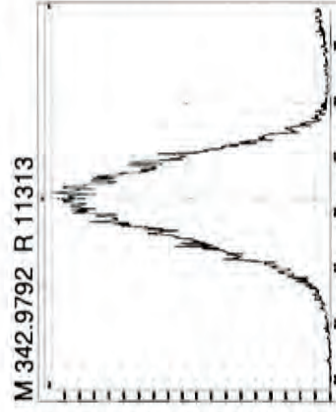
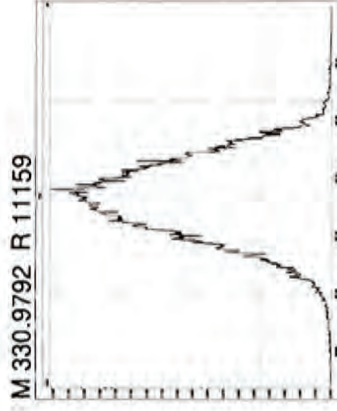
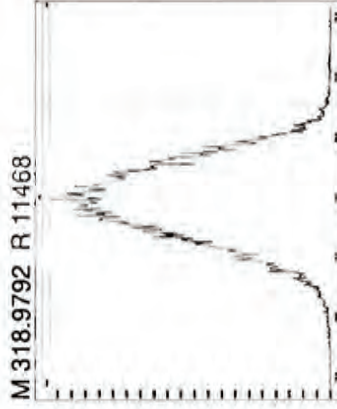
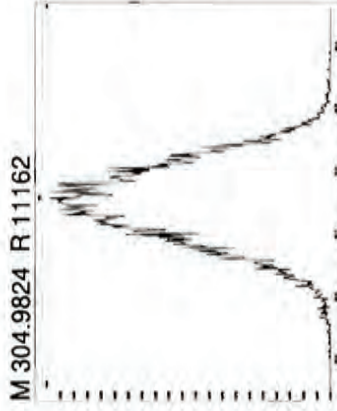
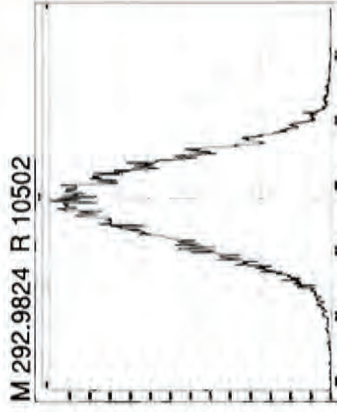
Experiment Calibration Report

MassLynx 4.1 SCN815

Page 1 of 1

File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, June 21, 2023 11:05:05 Pacific Daylight Time

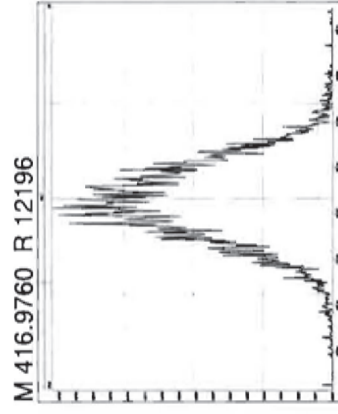
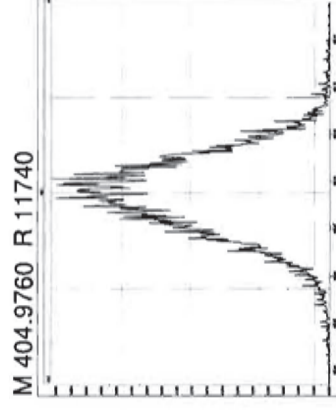
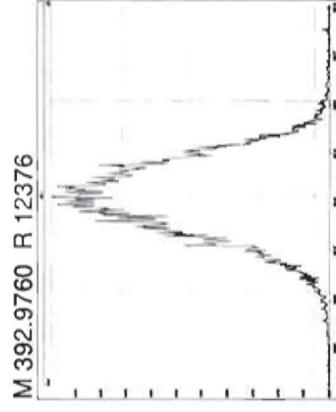
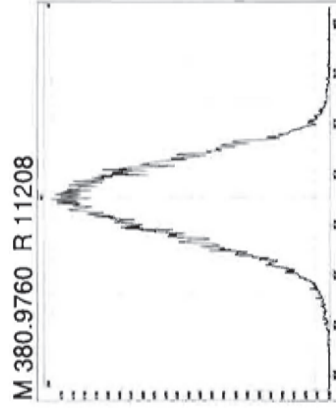
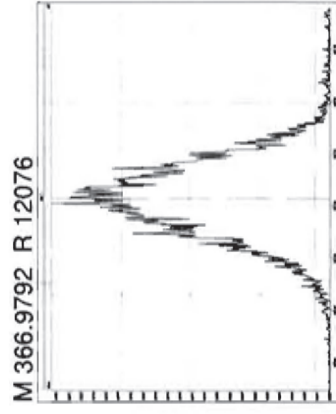
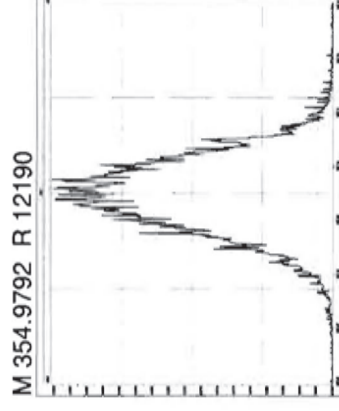
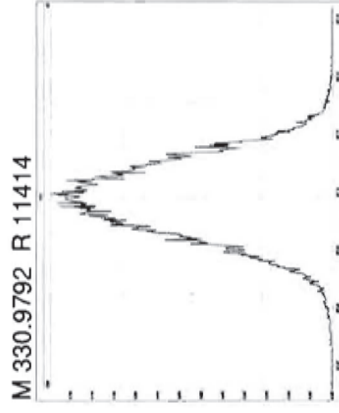
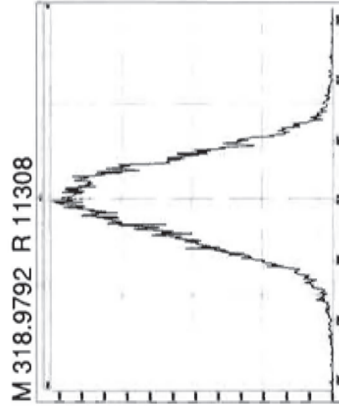


Experiment Calibration Report

MassLynx 4.1 SCN815

File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, June 21, 2023 11:06:07 Pacific Daylight Time

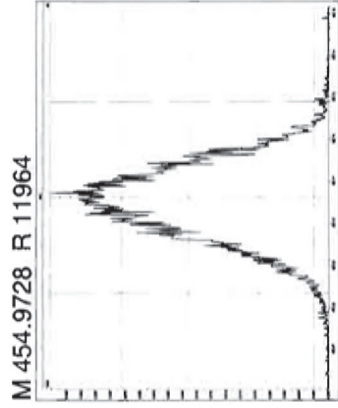
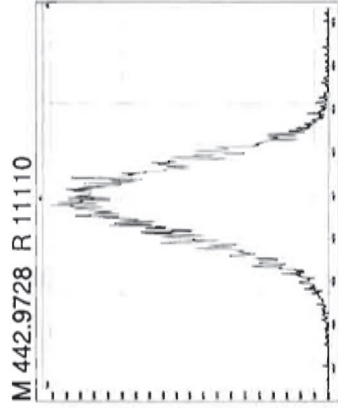
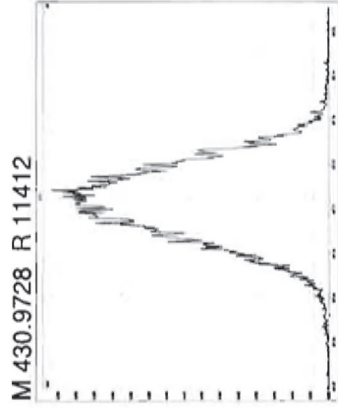
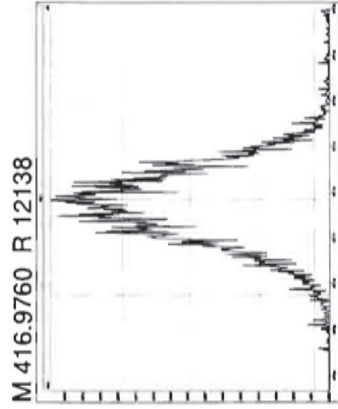
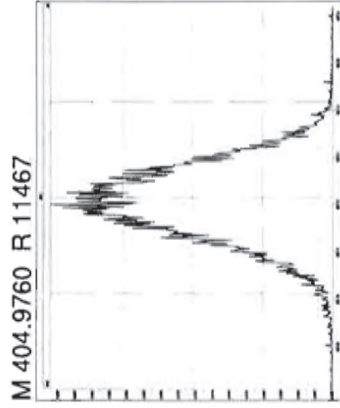
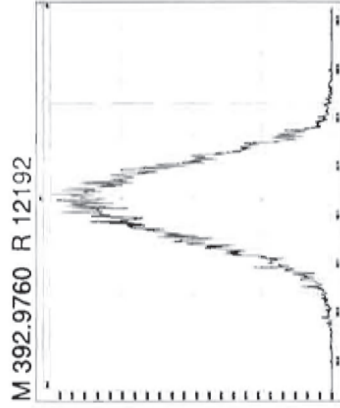
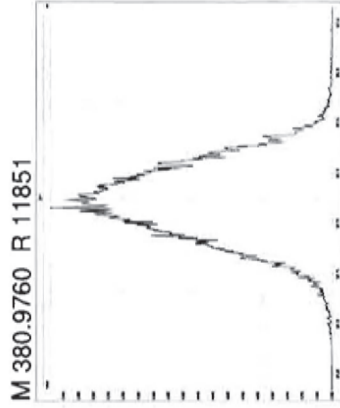
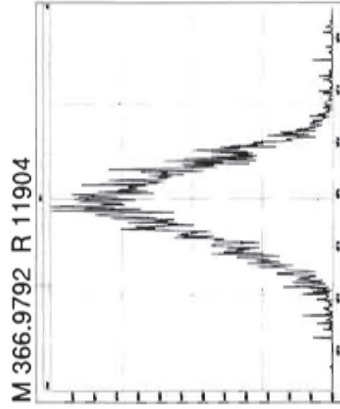


Experiment Calibration Report

MassLynx 4.1 SCN815

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Printed: Wednesday, June 21, 2023 11:06:46 Pacific Daylight Time



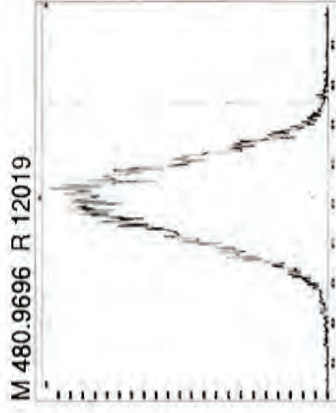
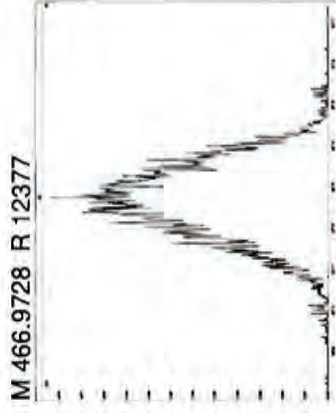
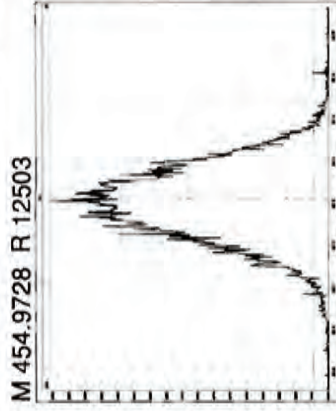
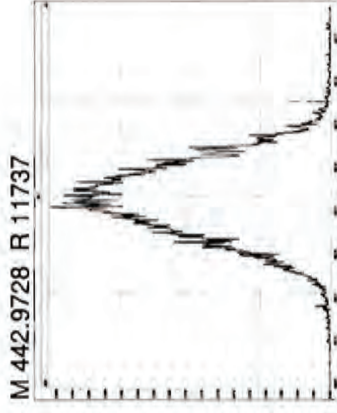
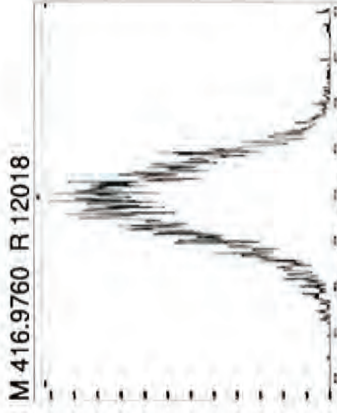
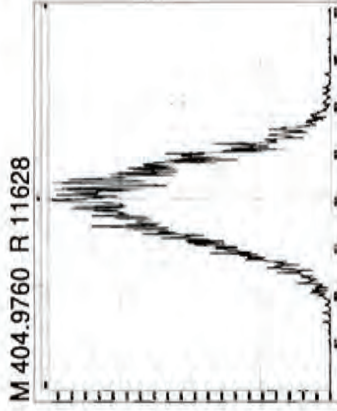
Experiment Calibration Report

MassLynx 4.1 SCN815

Page 1 of 1

File: Experiment: OCDD_DIOXIN.exp Reference: Plk.ref Function: 4 @ 200 (ppm)

Printed: Wednesday, June 21, 2023 11:07:20 Pacific Daylight Time



Experiment Calibration Report

MassLynx 4.1 SCN815

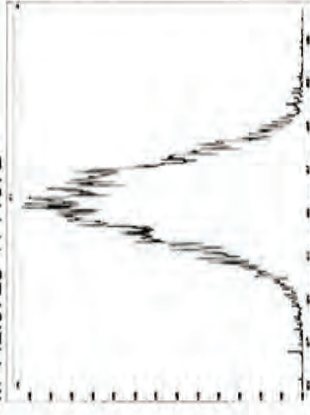
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Printed: Wednesday, June 21, 2023 11:07:51 Pacific Daylight Time

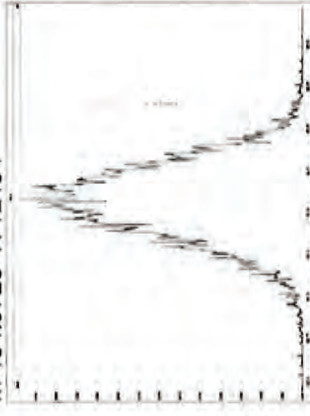
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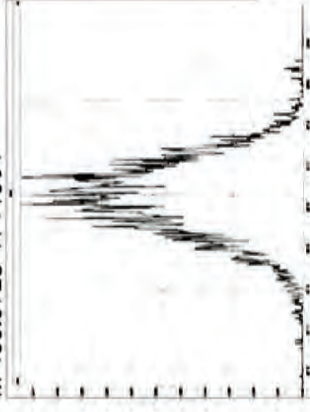
M 442.9728 R 11572



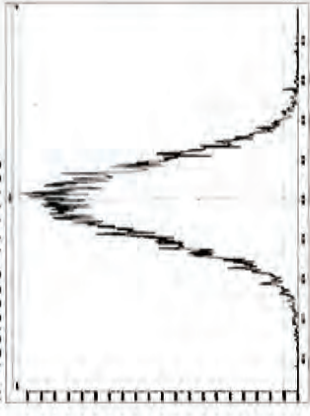
M 454.9728 R 12434



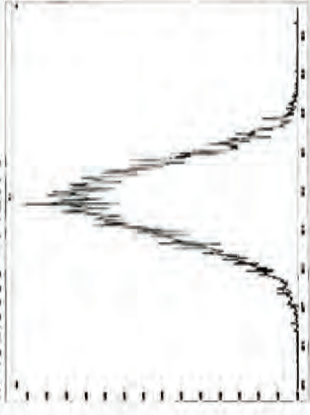
M 466.9728 R 11904



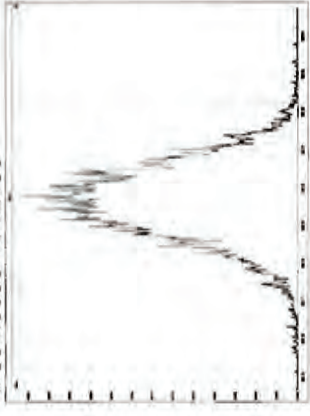
M 480.9696 R 11109



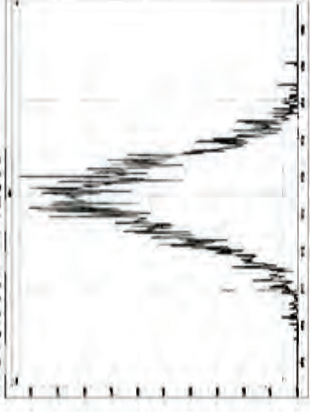
M 492.9696 R 12078



M 504.9696 R 12135



M 516.9697 R 12695



Quantify Sample Summary Report

Enthalpy Analytical EDH VG-12

Dataset: Untitled

Last Altered: Thursday, June 22, 2023 08:28:07 Pacific Daylight Time
Printed: Thursday, June 22, 2023 08:30:34 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSPM.mdb 24 May 2023 17:45:01
Calibration: 22 Jun 2023 08:28:06

Name: 230621R2_6, Date: 21-Jun-2023, Time: 14:56:52, ID: ST230621R2_6 1613 CS3 23E1003, Description: 1613 CS3 23E1003

	# Name	RT
1	1 1,3,6,8-TCDD (First)	23.28
2	2 1,2,8,9-TCDD (Last)	27.45
3	3 1,2,4,7,9-PeCDD (First)	28.84
4	4 1,2,3,8,9-PeCDD (Last)	31.26
5	5 1,2,4,6,7,9-HxCDD (First)	32.53
6	6 1,2,3,7,8,9-HxCDD (Last)	34.65
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.13
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.02
9	9 1,3,6,8-TCDF (First)	21.26
10	10 1,2,8,9-TCDF (Last)	27.75
11	11 1,3,4,6,8-PeCDF (First)	27.33
12	12 1,2,3,8,9-PeCDF (Last)	31.61
13	13 1,2,3,4,6,8-HxCDF (First)	32.00
14	14 1,2,3,7,8,9-HxCDF (Last)	35.19
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.81
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.71

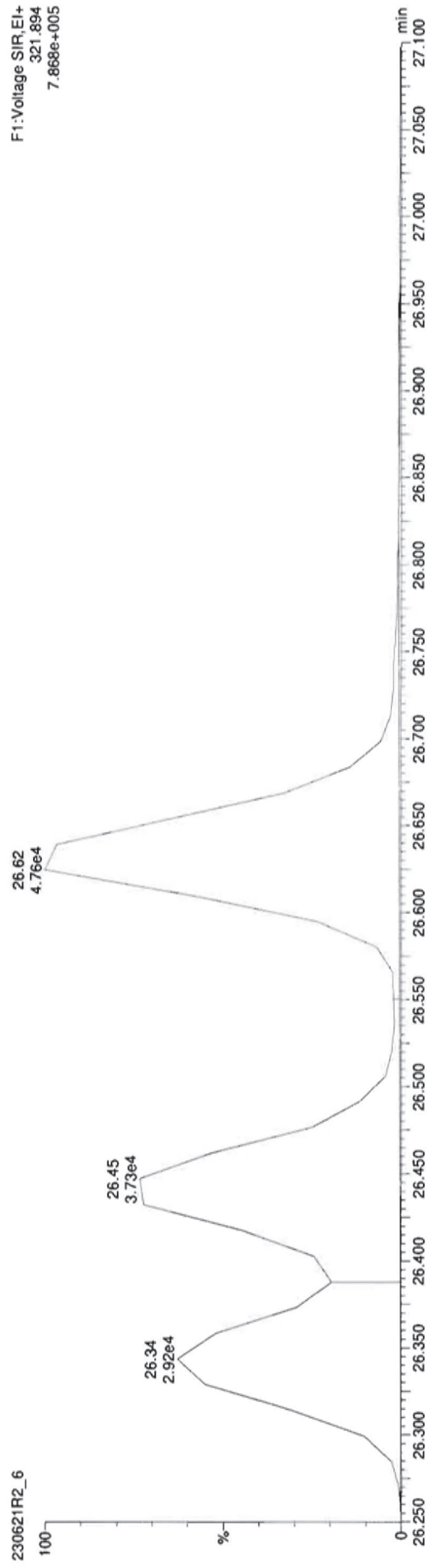
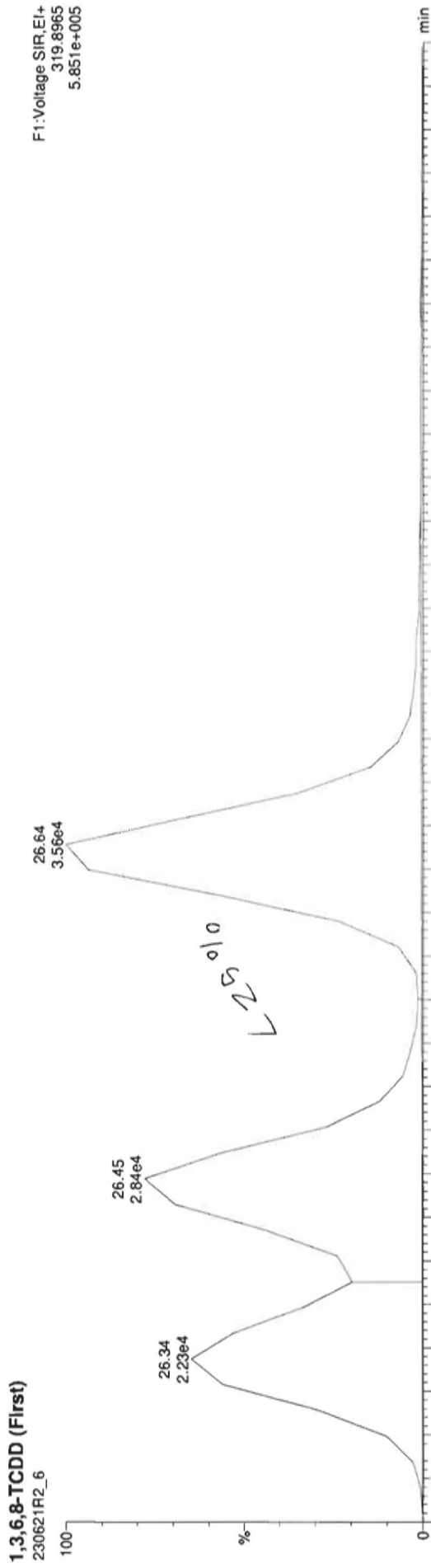
Quantify Sample Report
Enthalpy Analytical EDH VG-12

Dataset: Untitled

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Printed: Thursday, June 22, 2023 08:30:34 Pacific Daylight Time

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Calibration: 22 Jun 2023 08:28:06

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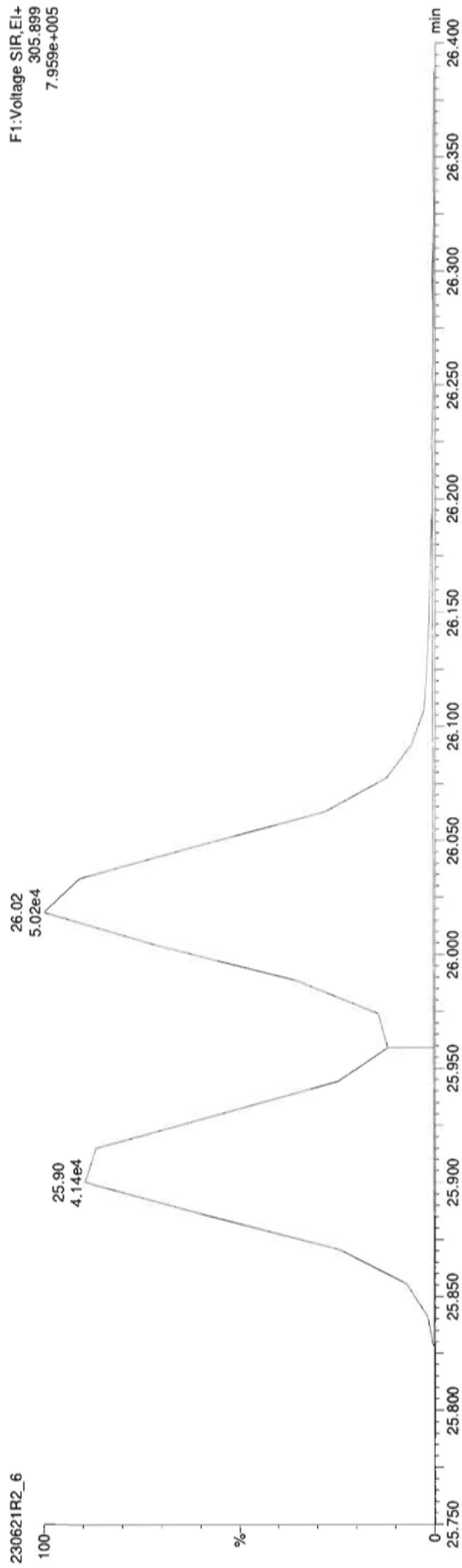
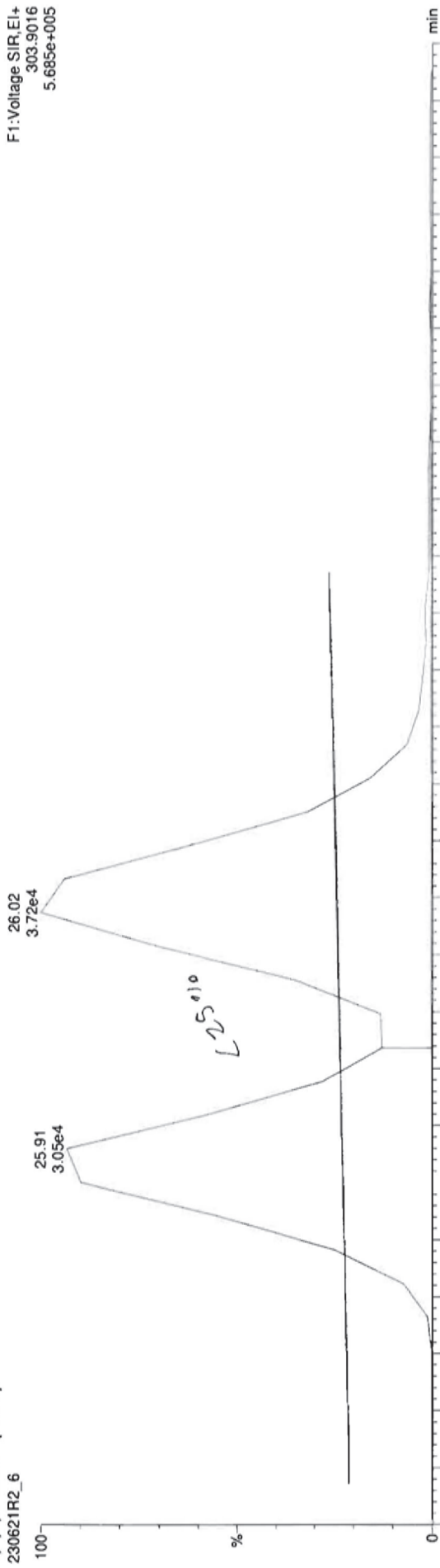


Dataset: Untitled

Last Altered: Thursday, June 22, 2023 08:28:07 Pacific Daylight Time
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1,3,6,8-TCDF (First)



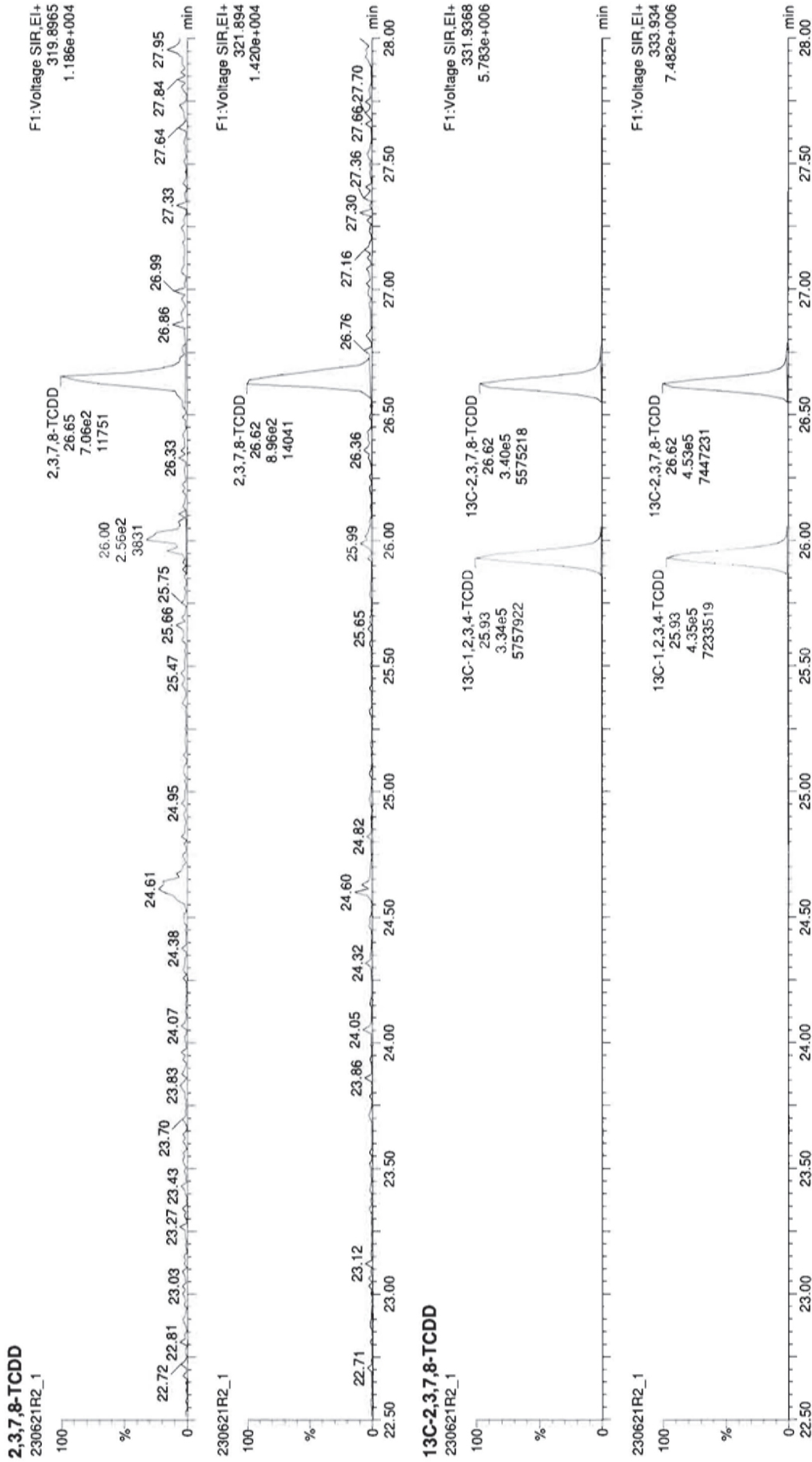
Quantify Sample Report MassLynx 4.1 SCN815
Enthalpy Analytical EDH VG-12

Dataset: Untitled

Last Altered: Thursday, June 22, 2023 08:18:57 Pacific Daylight Time
Printed: Thursday, June 22, 2023 08:20:55 Pacific Daylight Time

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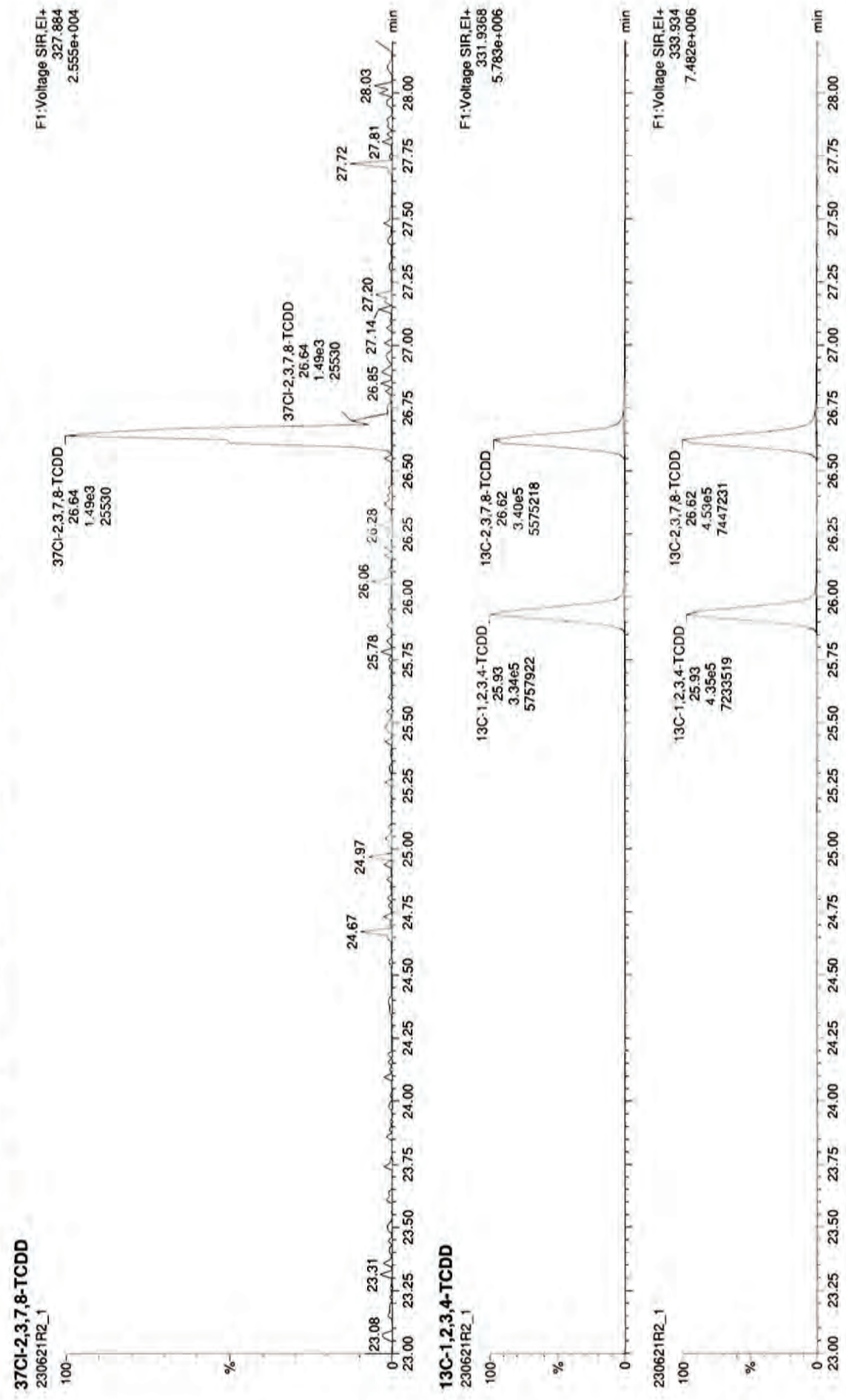
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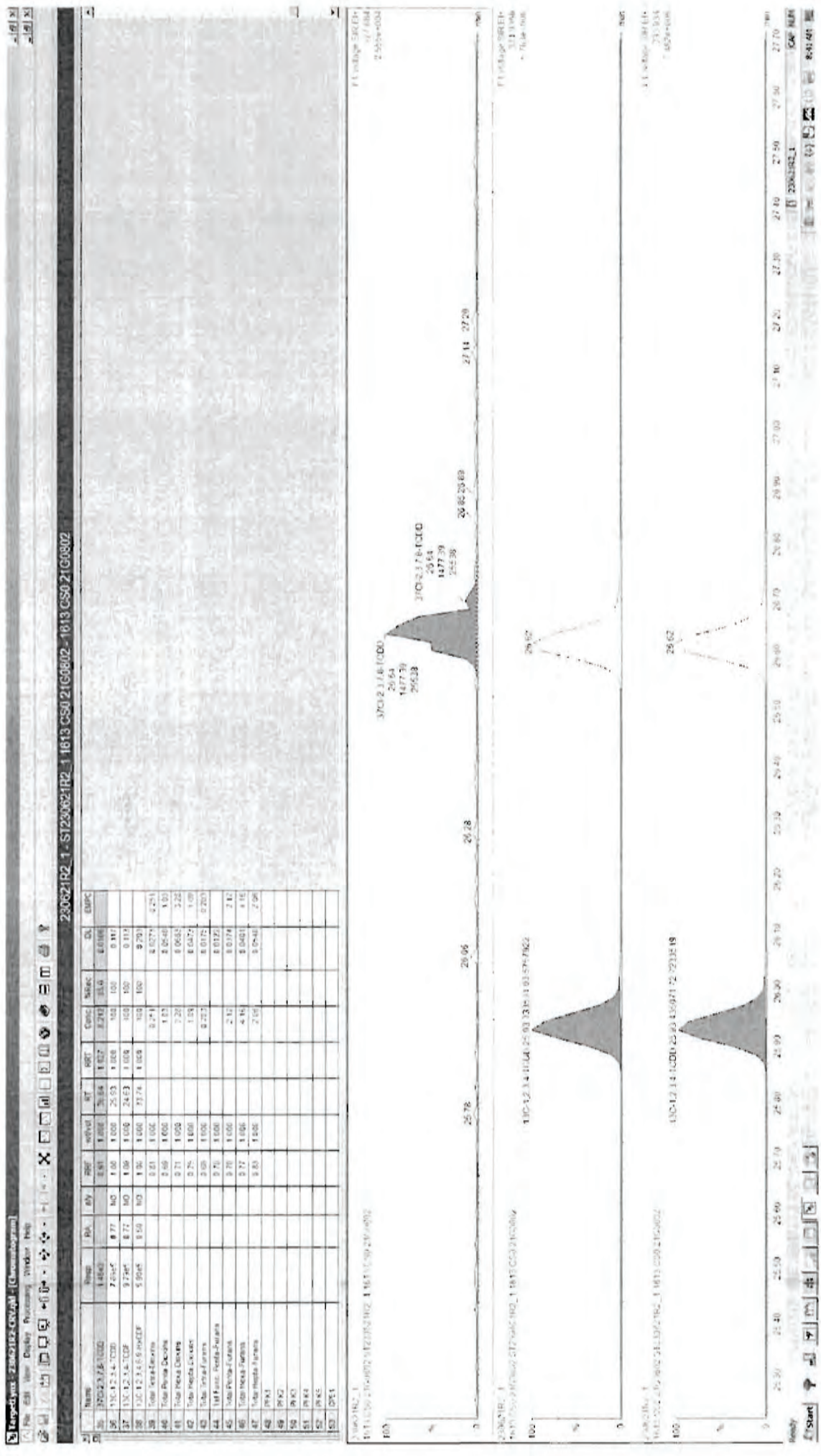


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Last Altered: Thursday, June 22, 2023 08:18:57 Pacific Daylight Time
Printed: Thursday, June 22, 2023 08:20:55 Pacific Daylight Time

Name: 230621R2_1, Date: 21-Jun-2023, Time: 11:11:07, ID: ST230621R2_1 1613 CS0 21G0802, Description: 1613 CS0 21G0802

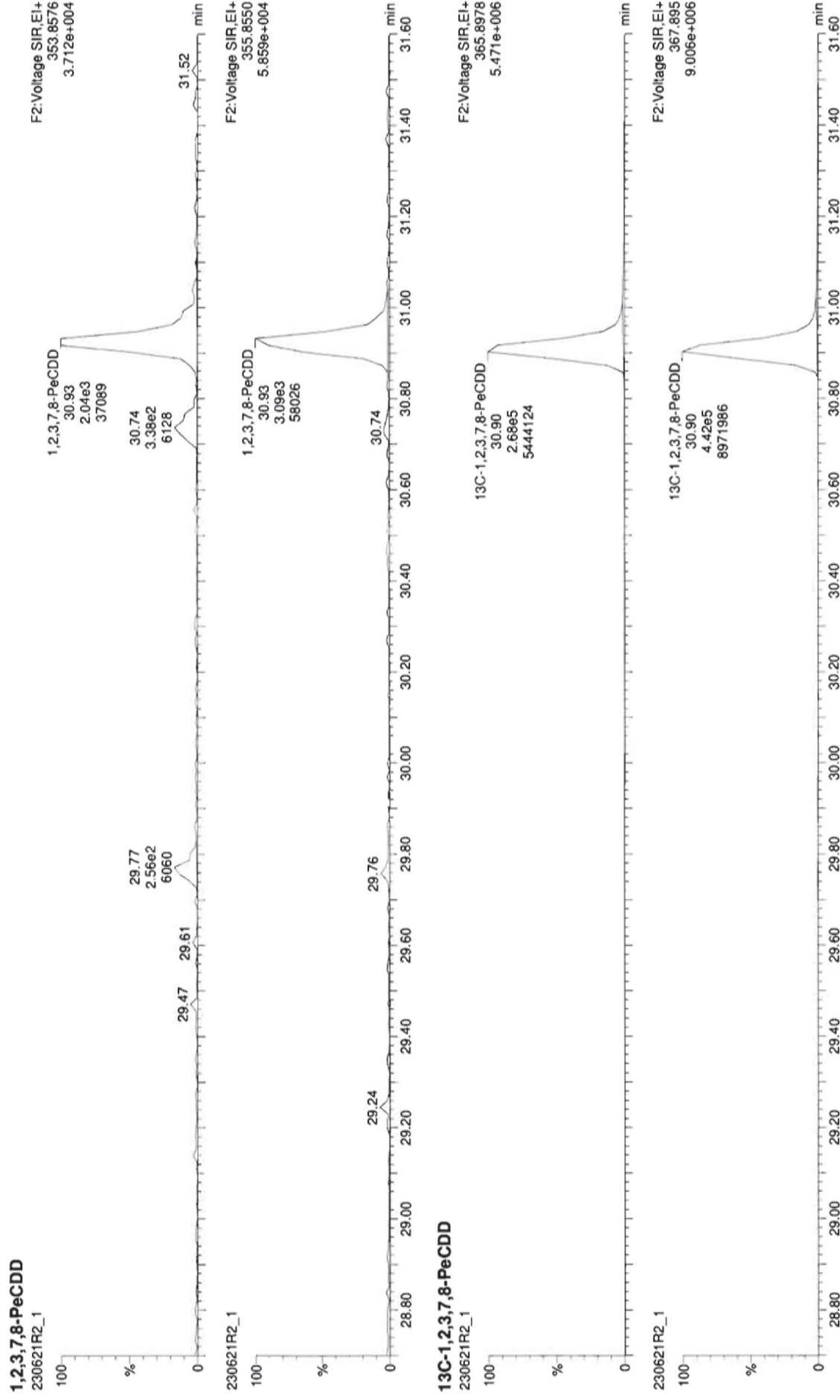


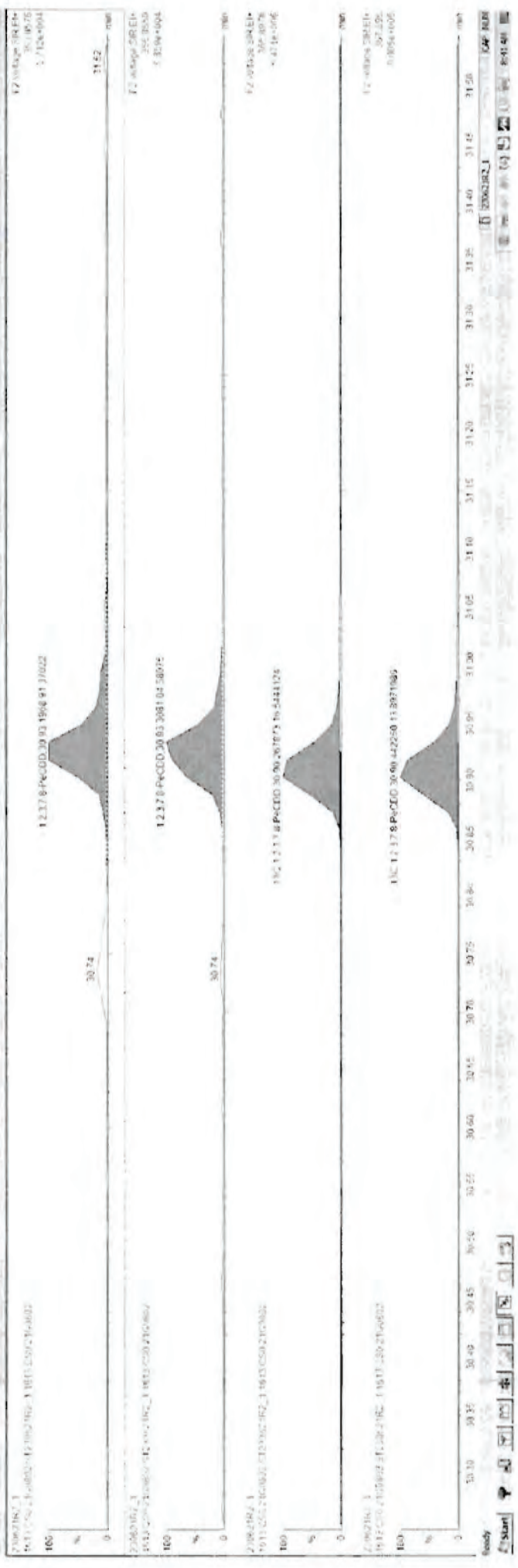


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Name: 230621R2_1, Date: 21-Jun-2023, Time: 11:11:07, ID: ST230621R2_1 1613 CS0 21G0802, Description: 1613 CS0 21G0802



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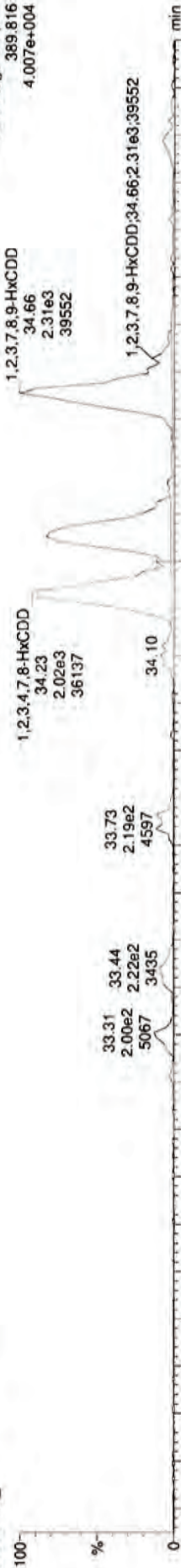
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Name: 230621R2_1, Date: 21-Jun-2023, Time: 11:11:07, ID: ST230621R2_1 1613 CS0 21G0802, Description: 1613 CS0 21G0802

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

230621R2_1



#	Items	RT	RA	yr	Area	Σ Area	Std. Dist.	% _{exp}	% _{obs}	RF #1	RF #2
5	1,2,3,7,12,8,9,10,11	34.21	1.234	N03	4.3036e-06	5.1635e-06	1.235	-18	-10.2	6.719	0.872
6	1,2,4,7,12,8,9,10,11	35.61	3.011	N03	3.1016e-02	3.2707e-02	1.249	-13.8	12.1	6.719	0.872
7	2,3,7,8,9,10,11	41.14	0.306	N04	7.84e-06	7.7188e-06	2.040	-13.8	11.1	7.707	0.864
8	7,8,9,12,8,9,10,11	26.52	0.811	N03	1.2426e-02	1.4021e-02	0.249	-24.9	17.6	0.654	0.741
9	2,3,7,8,9,10,11	29.71	1.611	N03	6.2191e-02	6.5156e-02	1.245	-11.2	16.1	0.656	0.741
10	1,2,3,4,7,8,9,10,11	29.71	1.616	N03	7.3467e-02	8.2123e-02	1.245	-12.7	16.1	5.776	6.109
11	1,2,3,4,7,8,9,10,11	33.11	1.156	N03	4.4915e-02	5.6965e-02	1.245	-10.7	10.7	5.765	6.113
12	1,2,3,4,7,8,9,10,11	33.11	1.211	N03	4.0123e-02	5.4906e-02	1.245	-10.1	10.0	7.741	8.111
13	1,2,3,4,7,8,9,10,11	33.11	1.115	N03	4.8235e-02	5.2491e-02	1.245	-10.1	10.1	8.776	9.211
14	1,2,3,4,7,8,9,10,11	30.16	1.295	N03	3.3755e-02	4.4748e-02	0.245	-35.2	13.0	7.707	8.108
15	1,2,3,4,7,8,9,10,11	28.16	1.038	N03	9.3999e-02	7.7248e-02	1.245	-14.1	11.0	8.784	9.108
16	1,2,3,4,7,8,9,10,11	28.71	0.964	N03	2.6173e-02	3.4541e-02	0.245	-35.2	10.1	8.651	9.100
17	1,2,3,4,7,8,9,10,11	41.14	0.315	N03	4.6112e-02	6.5256e-02	2.242	-17.2	16.1	6.651	8.104

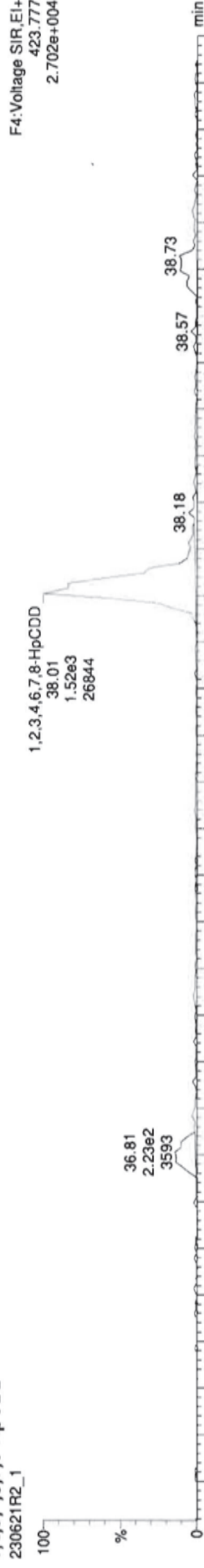


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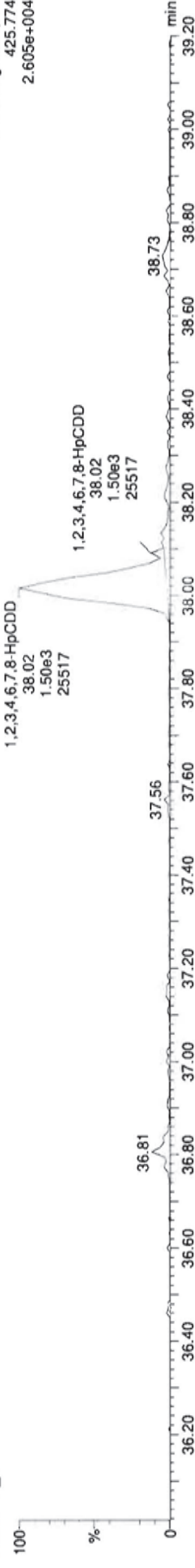
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Name: 230621R2_1, Date: 21-Jun-2023, Time: 11:11:07, ID: ST230621R2_1 1613 CS0 21G0802, Description: 1613 CS0 21G0802

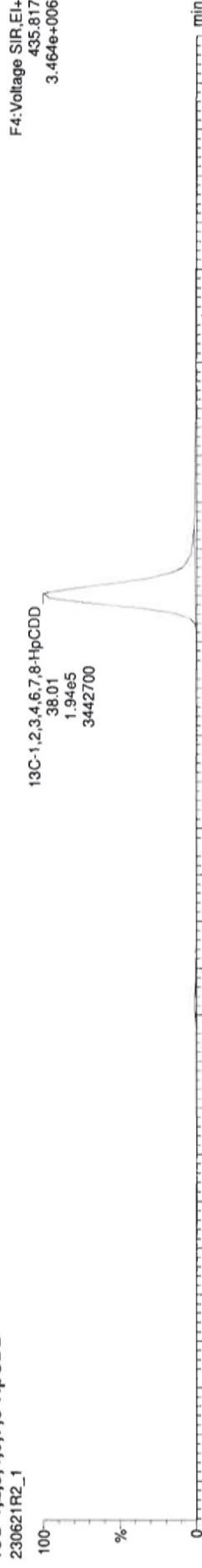
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230621R2_1



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



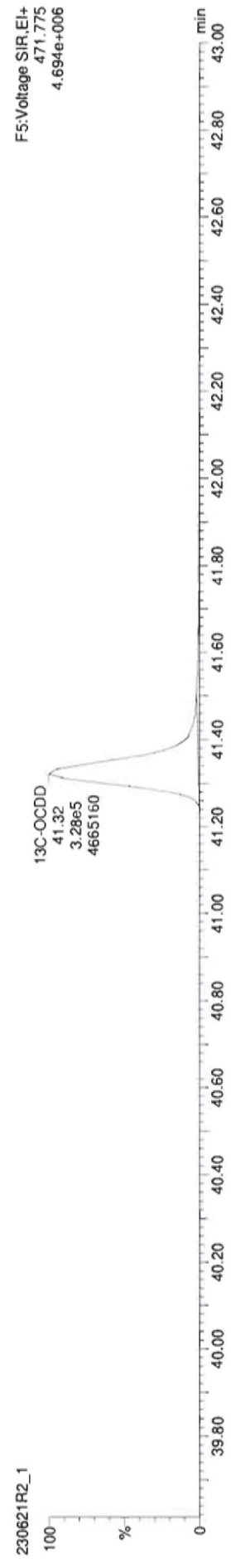
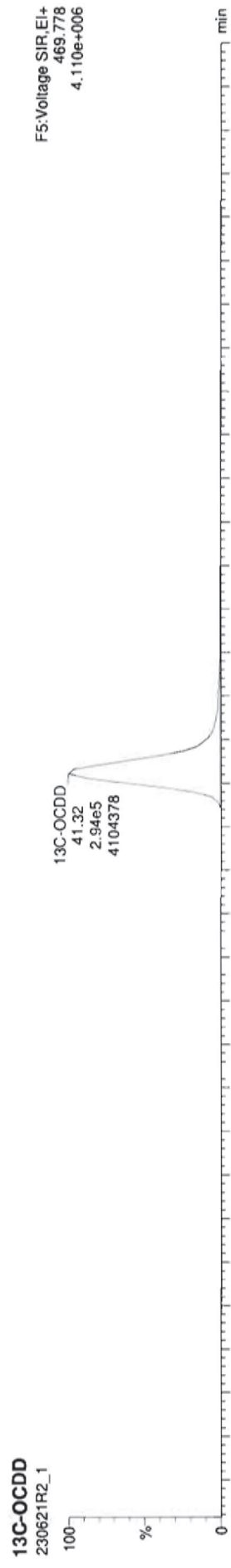
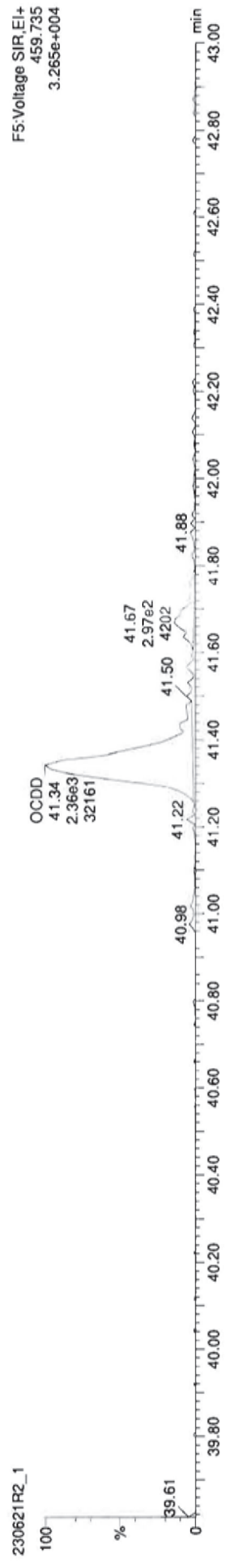
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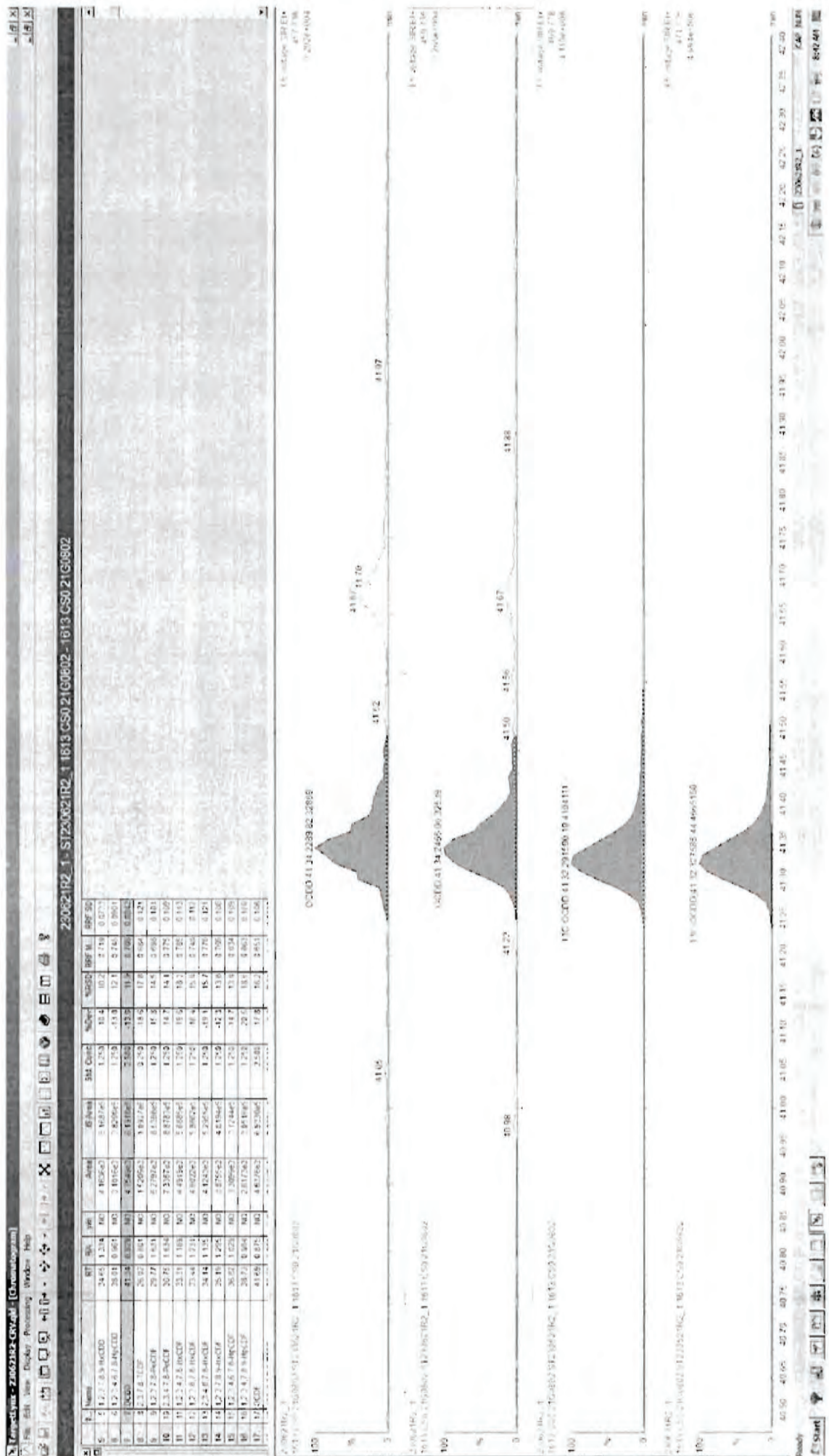


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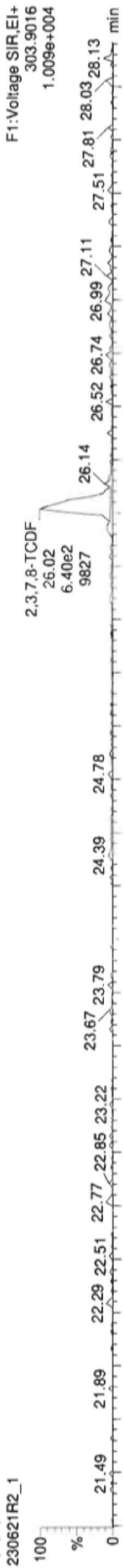
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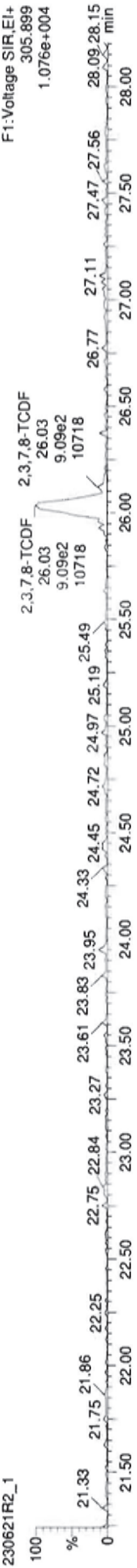
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2,3,7,8-TCDF

230621R2_1

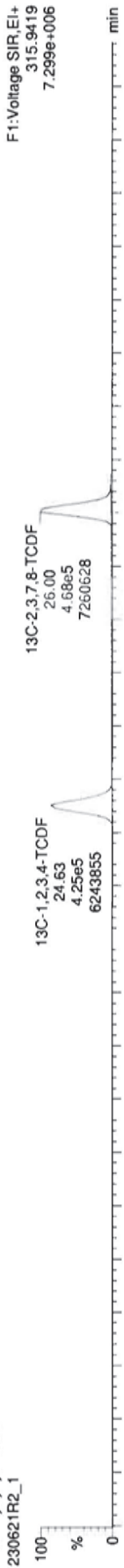


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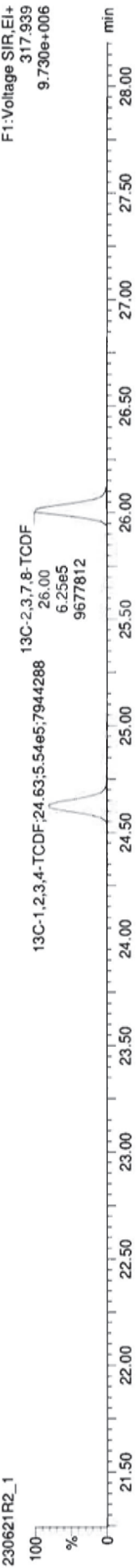


13C-2,3,7,8-TCDF

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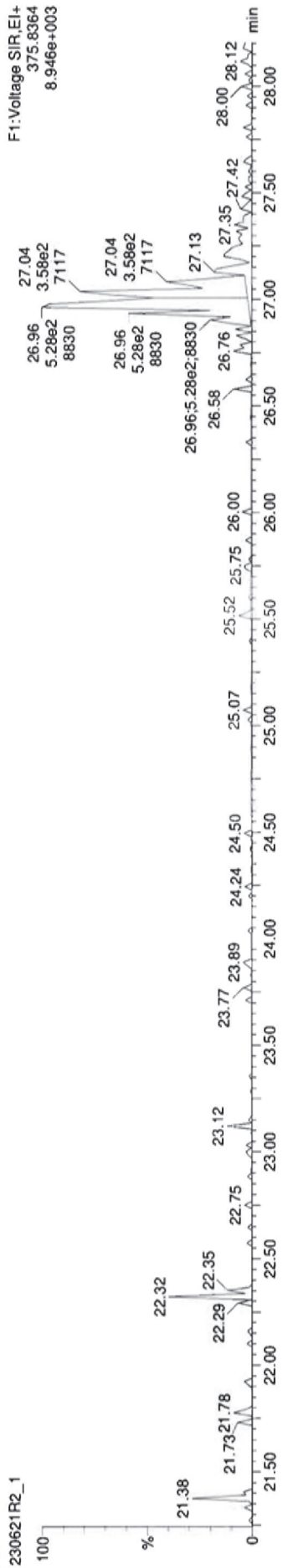


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DPE1

230621R2_1



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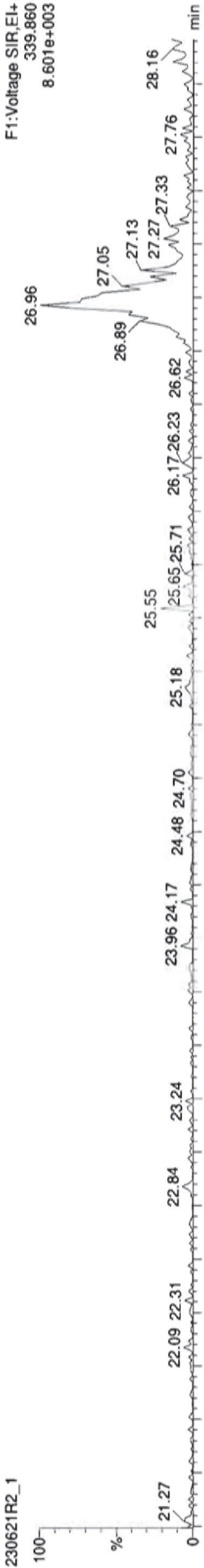
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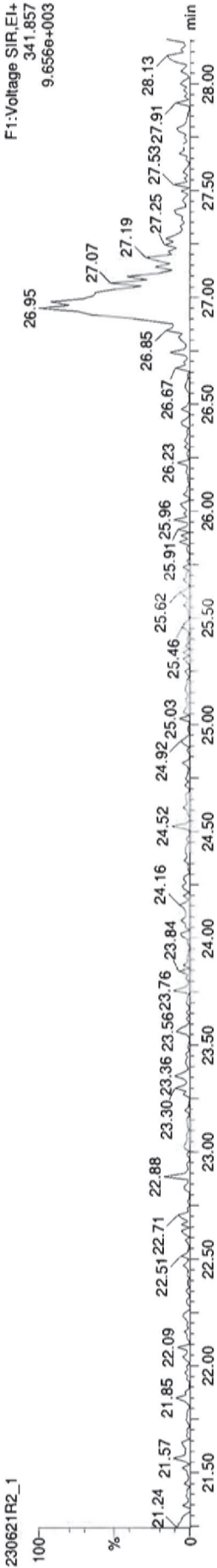
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1st Func. Penta-Furans

230621R2_1

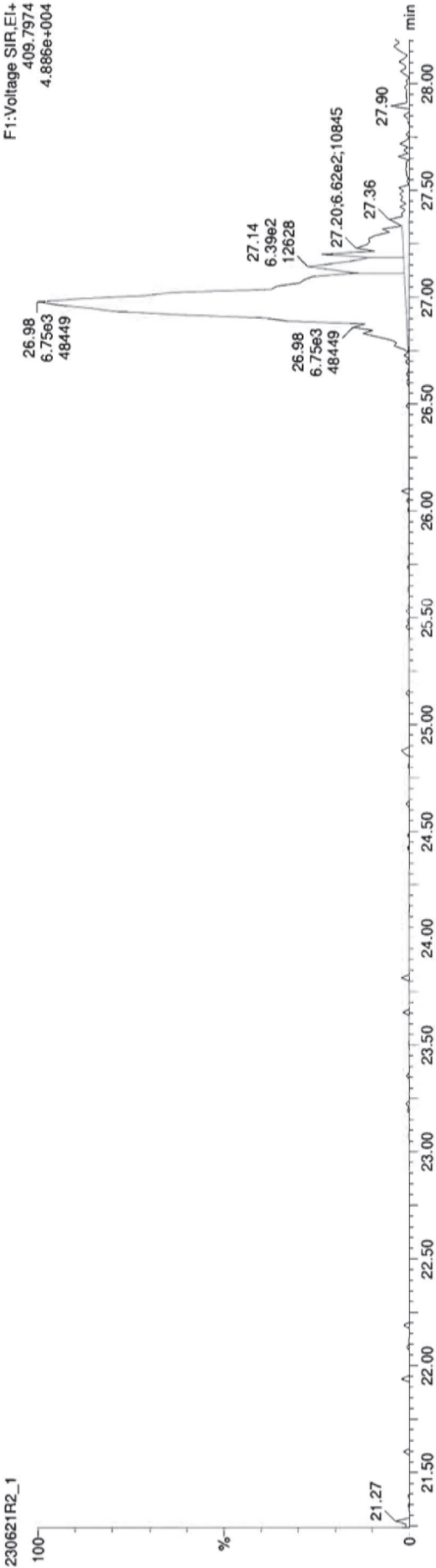


230621R2_1



DPE6

230621R2_1

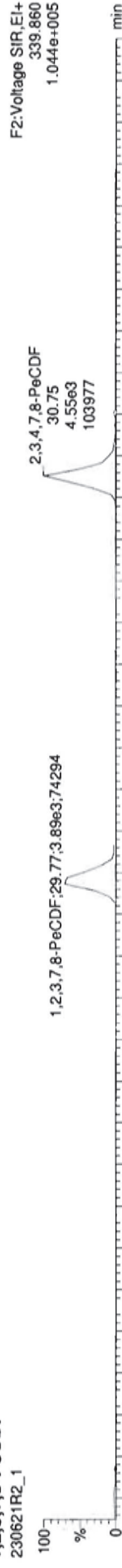


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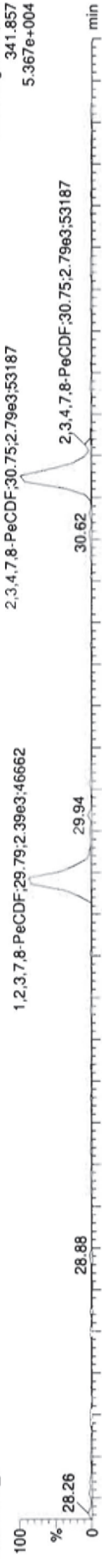
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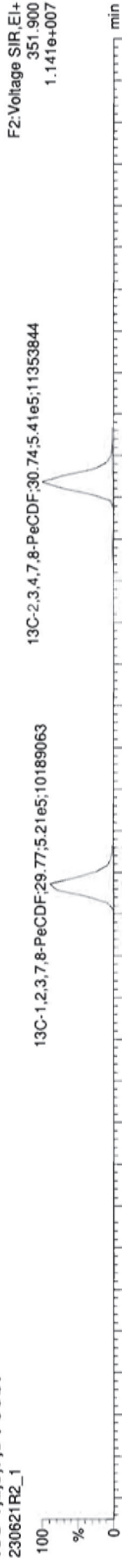
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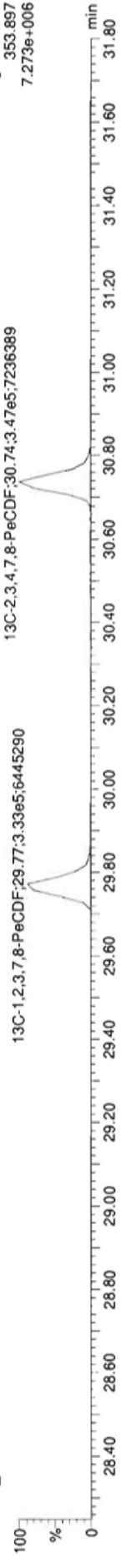
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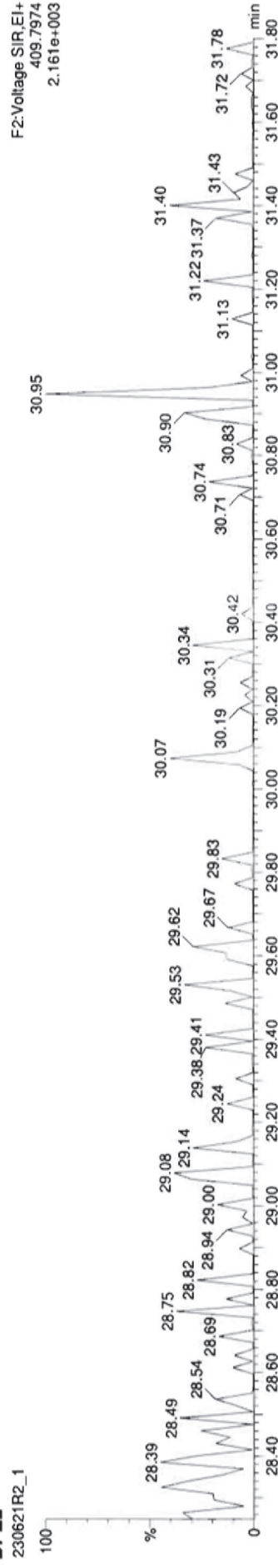
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13C-1,2,3,7,8-PeCDF



DPE2

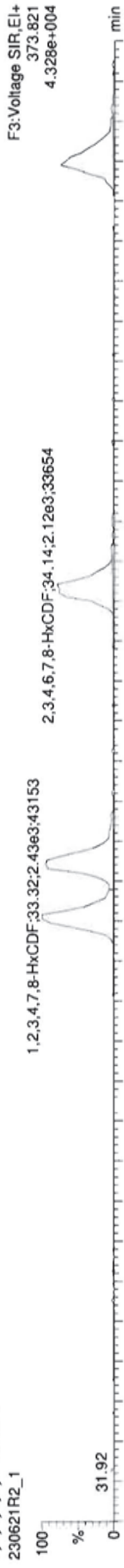


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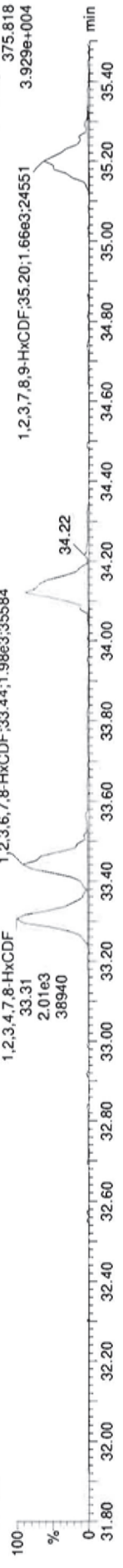
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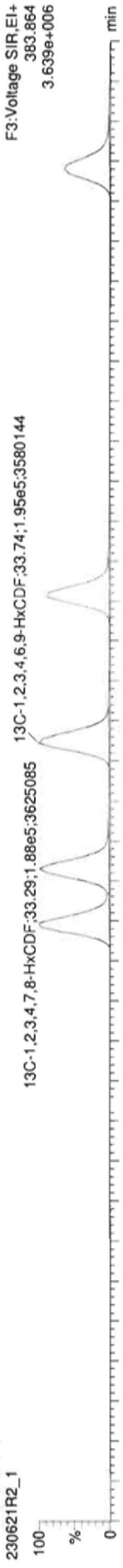
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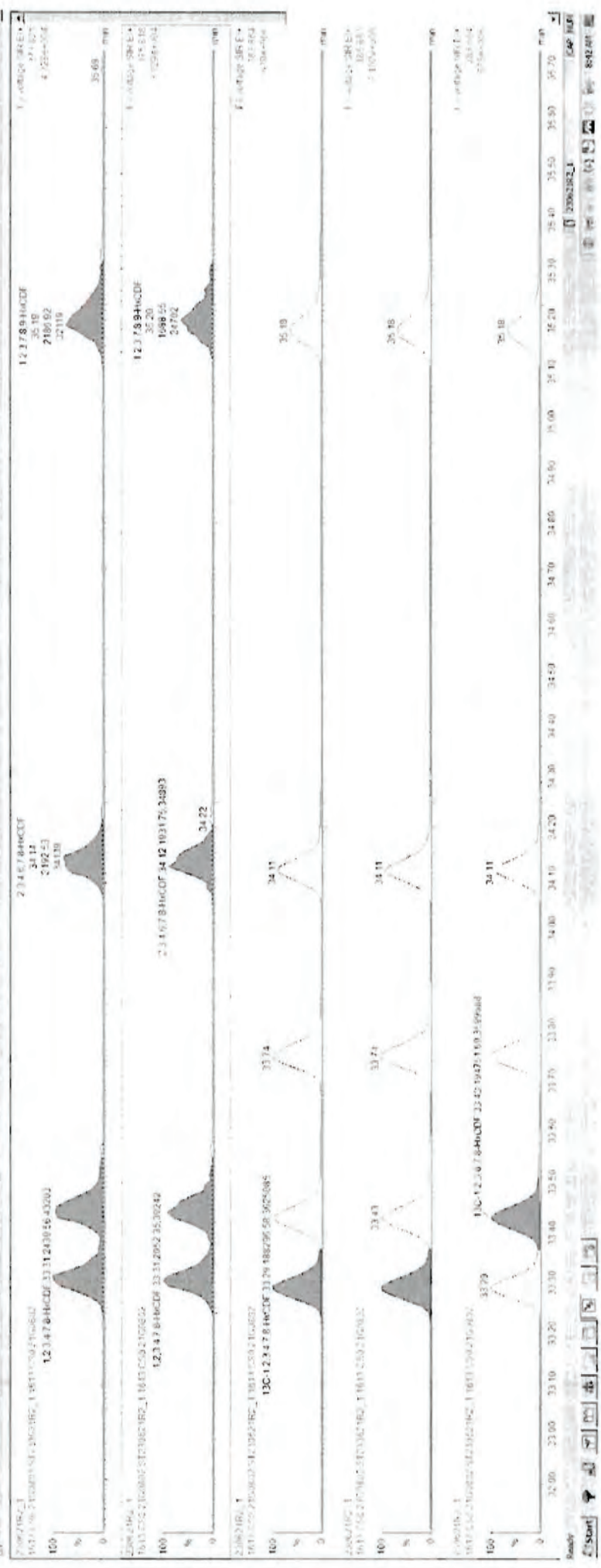
13C-1,2,3,4,7,8-HxCDF



DPE3



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51	Total Price 2 items								
52	Total Price 2 items								
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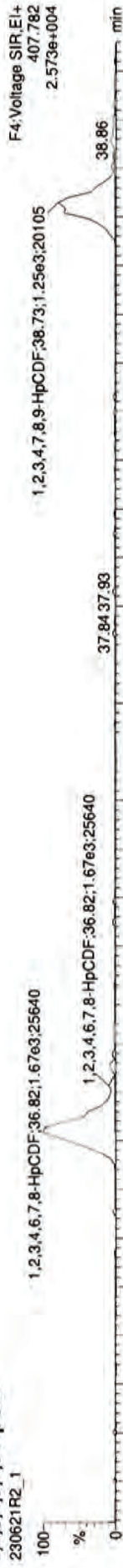
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1,2,3,4,6,7,8-HpCDF

230621R2_1



230621R2_1



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

230621R2_1



230621R2_1



DPE4

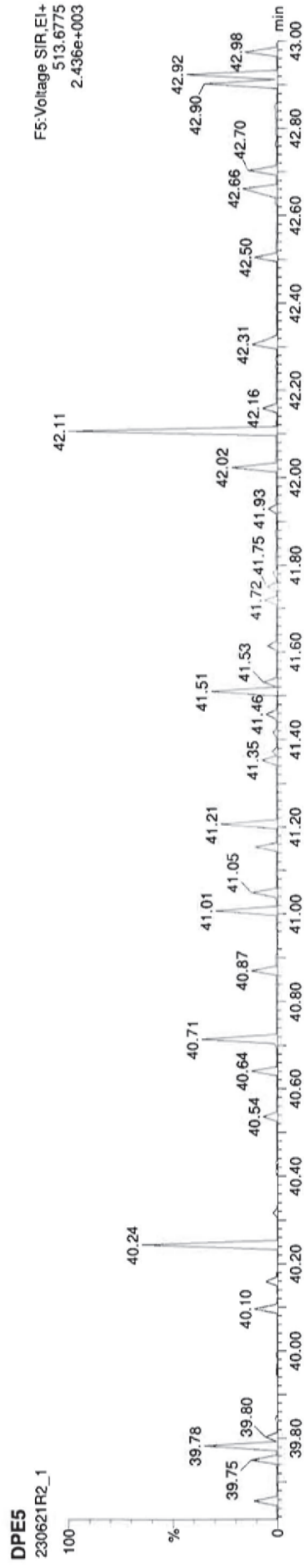
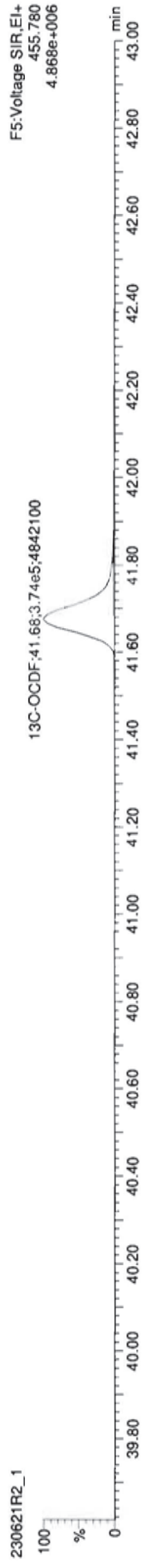
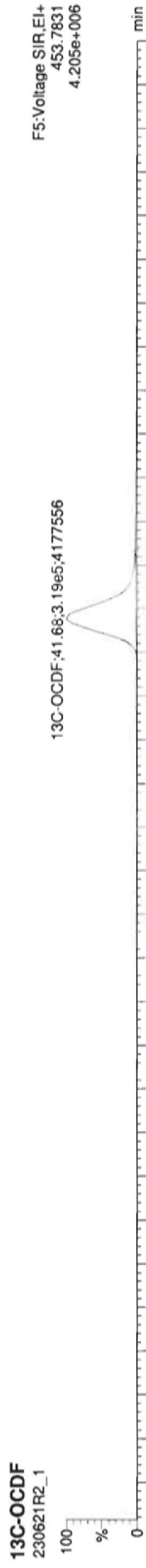
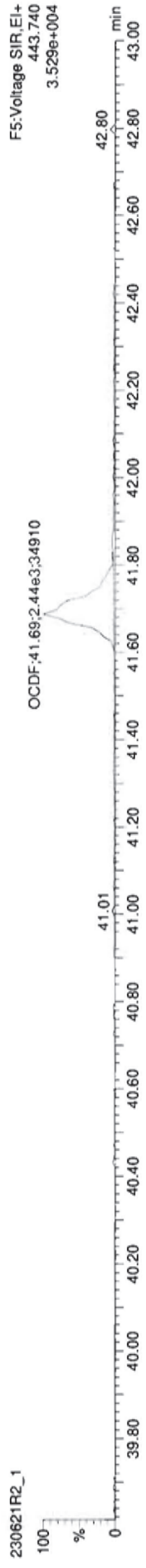
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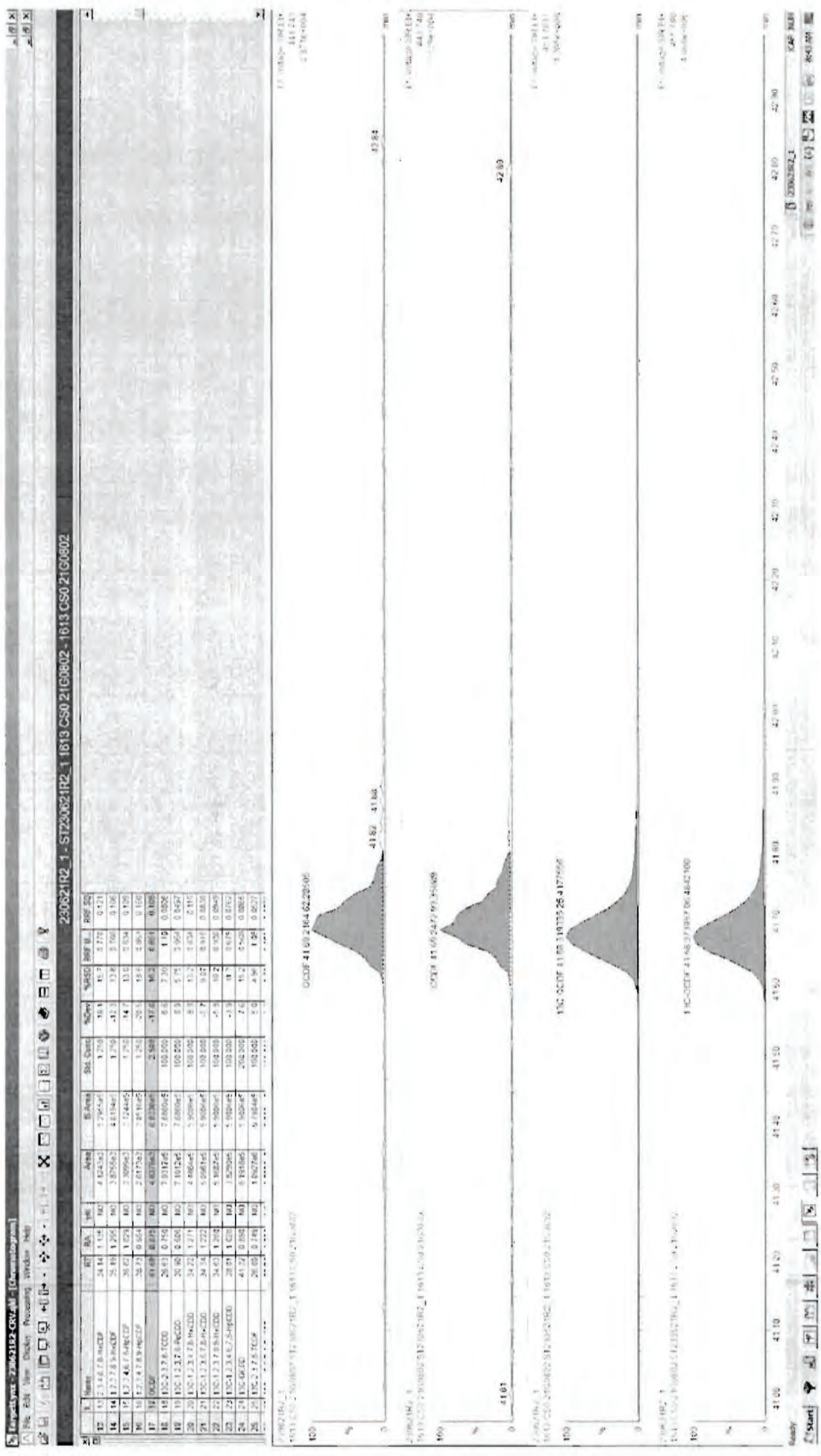


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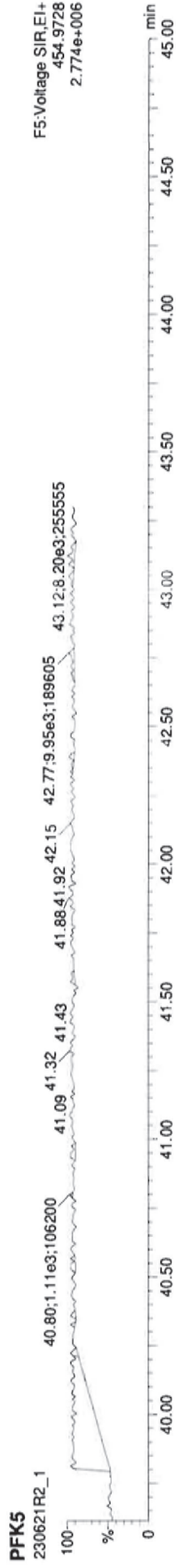
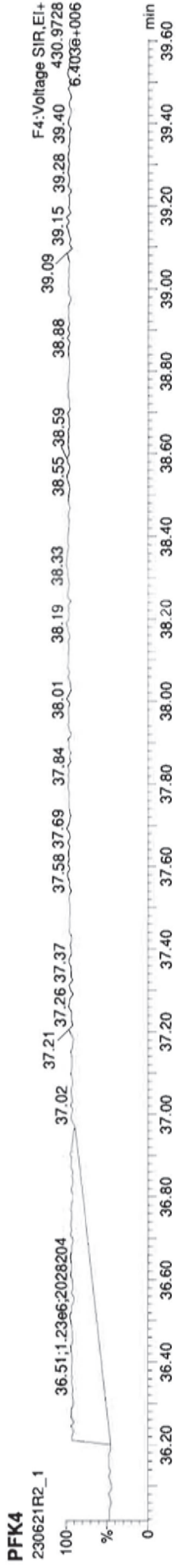
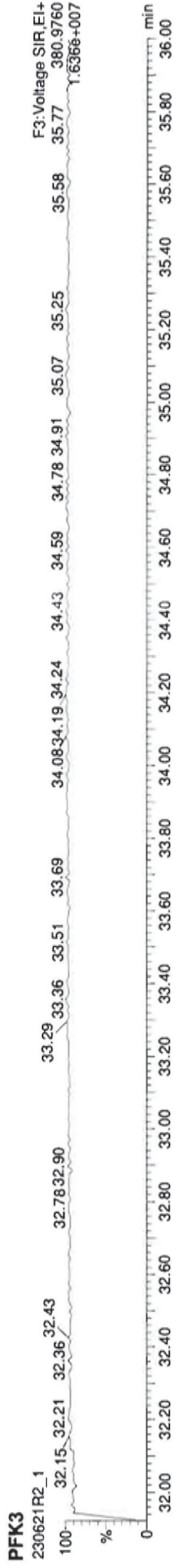
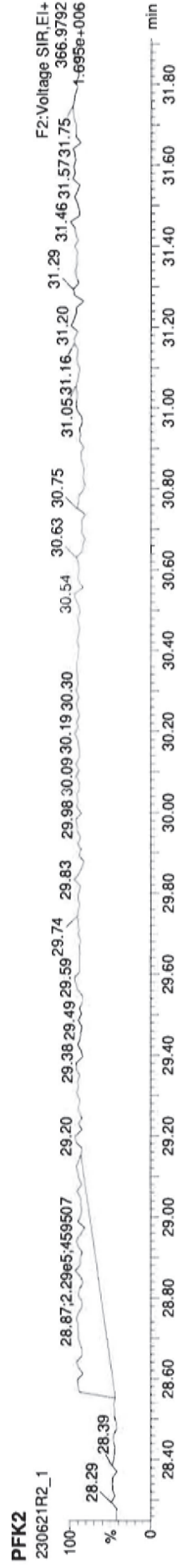
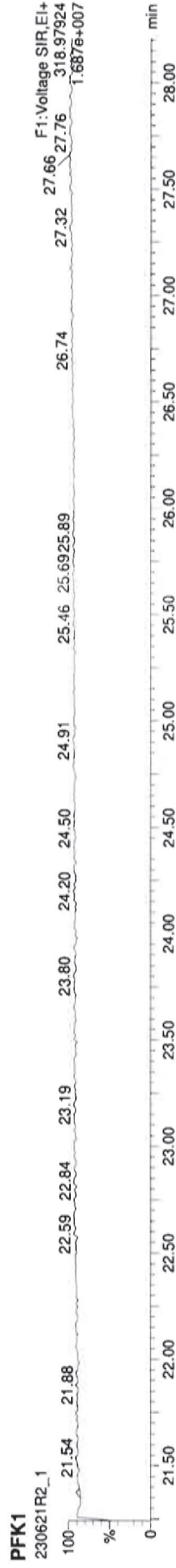




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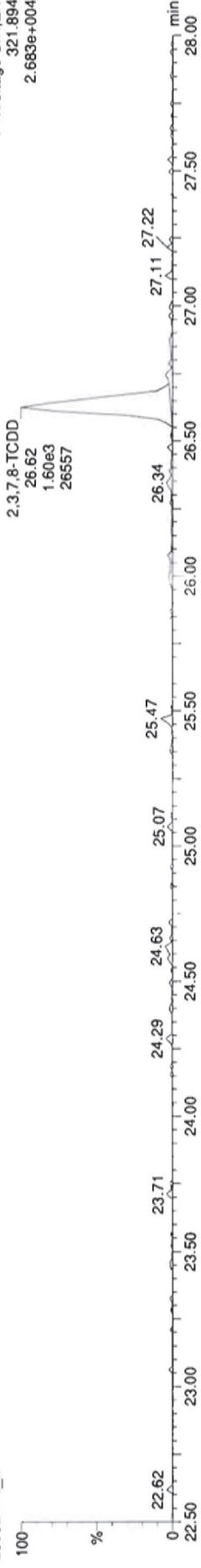
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2,3,7,8-TCDD

230621R2_2

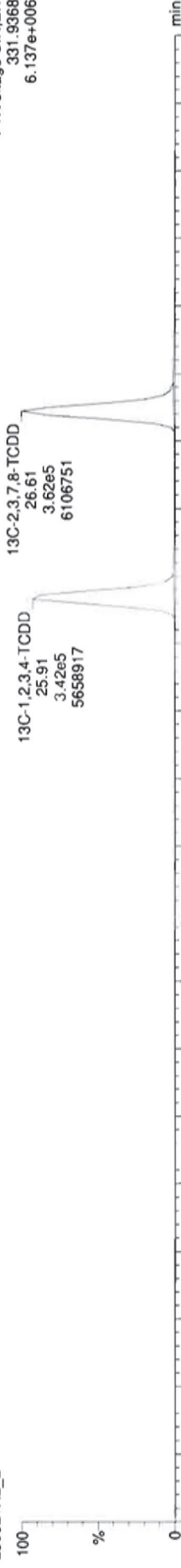


230621R2_2



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

230621R2_2



230621R2_2

