

Dataset: C:\MassLynx\Dioxin.pro\170124\CAL.qld

Last Altered: Wednesday, January 25, 2017 09:33:34 Pacific Standard Time

Printed: Wednesday, January 25, 2017 09:38:21 Pacific Standard Time

ID: CS3, Name: 17012408, Date: 24-Jan-2017, Time: 19:17:52, Conditions: AUTOSPEC01, User: pk

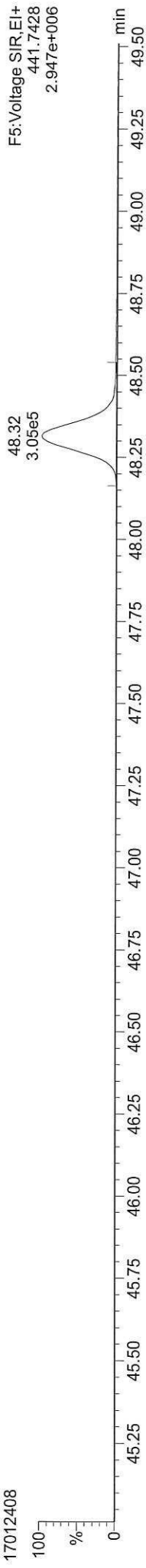
37CL-2378-TCDD

17012408



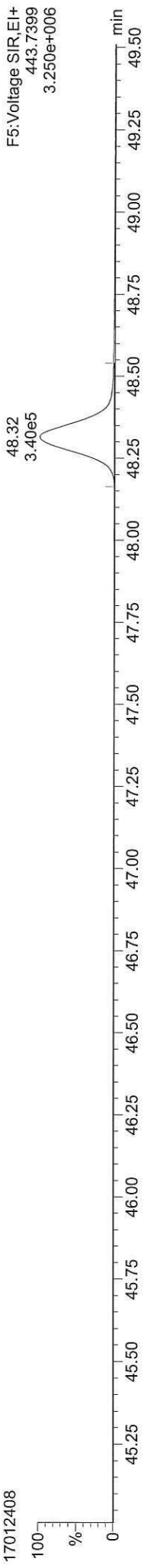
OCDF

17012408



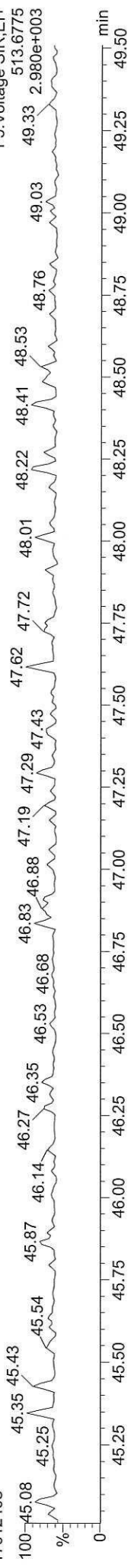
OCDF

17012408



FUNCTION5 DCDPE

17012408



**Quantify Sample Summary Report**      **MassLynx MassLynx V4.1 SCN909**

Dataset: C:\MassLynx\Dioxin.pro\170124\CAL.qld

Last Altered: Wednesday, January 25, 2017 09:33:34 Pacific Standard Time

Printed: Wednesday, January 25, 2017 09:38:23 Pacific Standard Time

Method: C:\MassLynx\Dioxin.pro\MethDB\Dioxin170112.mdb 12 Jan 2017 14:01:03

Calibration: C:\MassLynx\Dioxin.pro\CurveDB\170124\CAL.cdb 25 Jan 2017 09:33:34

**ID: CS4, Name: 17012409, Date: 24-Jan-2017, Time: 20:11:05, Conditions: AUTOSPEC01, User: pk**

Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	pg
2378-TCDF	26.527	1.001	4.29e5	5.56e5	0.924	0.771	0.770	1114	1297	6.33e6	8.16e6	5682.4	NO	40.989
12378-PeCDF	30.689	1.000	2.52e6	1.65e6	0.954	1.529	1.550	5404	2767	3.82e7	2.47e7	7070.4	NO	199.964
23478-PeCDF	32.037	1.001	2.51e6	1.63e6	0.966	1.540	1.550	5404	2767	3.82e7	2.48e7	7071.0	NO	202.347
123478-HxCDF	35.731	1.000	2.05e6	1.66e6	1.141	1.230	1.240	5555	5079	3.11e7	2.52e7	5594.6	NO	199.609
234678-HxCDF	36.827	1.001	2.01e6	1.66e6	1.181	1.214	1.240	5555	5079	3.03e7	2.44e7	5453.9	NO	201.749
123678-HxCDF	35.884	1.001	2.14e6	1.74e6	1.089	1.233	1.240	5555	5079	3.20e7	2.59e7	5768.8	NO	201.346
123789-HxCDF	37.945	1.001	1.57e6	1.27e6	1.110	1.238	1.240	5555	5079	2.39e7	1.93e7	4299.3	NO	199.095
1234678-HpCDF	40.049	1.000	1.76e6	1.70e6	1.267	1.032	1.050	4944	4728	2.58e7	2.51e7	5218.6	NO	204.727
1234789-HpCDF	42.833	1.001	1.15e6	1.11e6	1.295	1.031	1.050	4944	4728	1.44e7	1.40e7	2920.7	NO	196.174
OCDF	48.315	1.007	1.58e6	1.72e6	1.067	0.915	0.890	2836	2613	1.51e7	1.67e7	5315.5	NO	398.952
2378-TCDD	27.169	1.001	3.02e5	3.84e5	1.150	0.786	0.770	1508	1487	4.42e6	5.67e6	2929.3	NO	40.027
12378-PeCDD	32.289	1.000	1.58e6	1.00e6	1.017	1.570	1.550	1819	1308	2.36e7	1.51e7	12986.3	NO	198.187
123478-HxCDD	36.958	1.000	1.45e6	1.15e6	1.017	1.256	1.240	2632	4343	2.20e7	1.75e7	8359.1	NO	204.695
123678-HxCDD	37.090	1.001	1.43e6	1.15e6	0.964	1.246	1.240	2632	4343	2.16e7	1.72e7	8189.9	NO	199.217
123789-HxCDD	37.507	1.012	1.34e6	1.10e6	0.948	1.222	1.240	2632	4343	2.07e7	1.68e7	7851.7	NO	198.138
1234678-HpCDD	41.913	1.001	1.07e6	1.04e6	1.051	1.024	1.050	2934	2948	1.39e7	1.35e7	4728.7	NO	197.170
OCDD	48.028	1.001	1.49e6	1.67e6	1.030	0.897	0.890	2749	2643	1.44e7	1.62e7	5248.1	NO	395.737
13C-2378-TCDF	26.511	1.007	1.13e6	1.46e6	1.515	0.774	0.770	5831	2901	1.65e7	2.11e7	2827.8	NO	99.248
13C-12378-PeCDF	30.678	1.165	1.34e6	8.45e5	1.276	1.583	1.550	2985	4560	2.00e7	1.26e7	6706.7	NO	98.963
13C-23478-PeCDF	32.015	1.216	1.30e6	8.16e5	1.257	1.592	1.550	2985	4560	1.93e7	1.23e7	6453.1	NO	97.359
13C-123478-HxCDF	35.720	0.953	5.56e5	1.07e6	1.431	0.518	0.510	2840	3768	8.30e6	1.58e7	2923.5	NO	99.037
13C-123678-HxCDF	35.862	0.956	6.04e5	1.17e6	1.552	0.518	0.510	2840	3768	9.04e6	1.73e7	3183.4	NO	99.141
13C-234678-HxCDF	36.805	0.982	5.23e5	1.01e6	1.349	0.516	0.510	2840	3768	7.91e6	1.53e7	2785.6	NO	99.132
13C-123789-HxCDF	37.923	1.011	4.40e5	8.41e5	1.111	0.523	0.510	2840	3768	6.80e6	1.32e7	2393.4	NO	100.250
13C-1234678-HpCDF	40.039	1.068	4.18e5	9.16e5	1.160	0.456	0.440	1779	2502	6.15e6	1.33e7	3456.4	NO	100.001
13C-1234789-HpCDF	42.812	1.142	2.76e5	6.14e5	0.758	0.450	0.440	1779	2502	3.41e6	7.49e6	1917.1	NO	102.172
13C-1234-TCDD	26.332	0.000	7.65e5	9.63e5	1.000	0.794	0.770	2731	1678	1.14e7	1.45e7	4191.6	NO	100.000
13C-2378-TCDD	27.139	1.031	6.59e5	8.30e5	0.872	0.794	0.770	2731	1678	9.46e6	1.20e7	3464.8	NO	98.829
13C-12378-PeCDD	32.278	1.226	7.89e5	4.92e5	0.754	1.604	1.550	1108	1181	1.18e7	7.33e6	10616.1	NO	98.294
13C-123478-HxCDD	36.948	0.985	7.00e5	5.51e5	1.106	1.270	1.240	2210	1210	1.06e7	8.31e6	4808.7	NO	98.308
13C-123678-HxCDD	37.068	0.989	7.46e5	5.97e5	1.165	1.249	1.240	2210	1210	1.09e7	8.71e6	4932.1	NO	100.218
13C-1234678-HpCDD	41.891	1.117	5.13e5	5.05e5	0.872	1.015	1.050	2225	2050	6.65e6	6.44e6	2987.9	NO	101.415
13C-OCDD	48.001	1.280	7.35e5	8.15e5	0.655	0.902	0.890	2155	1947	7.27e6	7.94e6	3373.0	NO	205.607

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Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	pg
13C-123789-HxCDD	37.496	0.000	6.38e5	5.12e5	1.000	1.245	1.240	2210	1210	9.96e6	7.92e6	4505.4	NO	100.000
Total-tetrafurans			4.38e5	0.924			1114			6.48e6				41.953
Total-penta1			4.33e3				491			5.92e4				0.347
Total-pentafurans			5.10e6	0.960			5404			7.77e7				409.902
Total-hexafurans			7.78e6	1.130			5555			1.18e8				803.146
Total-heptafurans			2.91e6	1.281			4944			4.03e7				401.423
Total-Furans			1.78e7	1.100			1114			2.57e8				2055.723
Total-tetra-dioxins			3.12e5	1.150			1508			4.53e6				41.359
Total-penta-dioxins			1.59e6	1.017			1819			2.38e7				199.381
Total-hexa-dioxins			4.22e6	0.977			2632			6.43e7				602.429
Total-hepta-dioxins			1.07e6	1.051			2934			1.40e7				198.510
Total-Dioxins			8.69e6	1.025			1508			1.21e8				1437.416
Total-TEQ			2.65e7				1508			3.78e8				3493.139
37CL-2378-TCDD	27.169	1.032	7.18e5	1.073			1189			1.06e7		8911.6		38.706
FUNCTION1 PFK			2.66e5				426831			5.54e6				
FUNCTION2 PFK			5.51e4				102575			1.97e6				0.000
FUNCTION3 PFK			9.75e5				318442			2.15e7				0.000
FUNCTION4 PFK			5.32e5				287399			1.41e7				
FUNCTION5 PFK			2.90e5				217521			9.35e6				
FUNCTION1 HXCDPE			7.06e1				341			2.27e3				0.000
FUNCTION1 HPCDPE			4.60e2				523			1.10e4				0.000
FUNCTION2 HPCDPE			3.36e3				622			5.87e4				0.000
FUNCTION3 OCDPE			0.00e0				257			0.00e0				
FUNCTION4 NCDPE			8.64e1				380			2.27e3				0.000
FUNCTION5 DCDPE			0.00e0				156			0.00e0				

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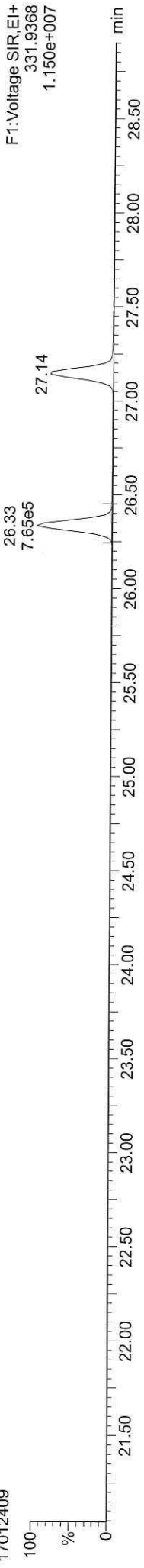
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Method: C:\MassLynx\Dioxin.pro\MethDB\Dioxin170112.mdb 12 Jan 2017 14:01:03  
Calibration: C:\MassLynx\Dioxin.pro\CurveDB\170124\CAL.cdb 25 Jan 2017 09:33:34

ID: CS4, Name: 17012409, Date: 24-Jan-2017, Time: 20:11:05, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD

17012409



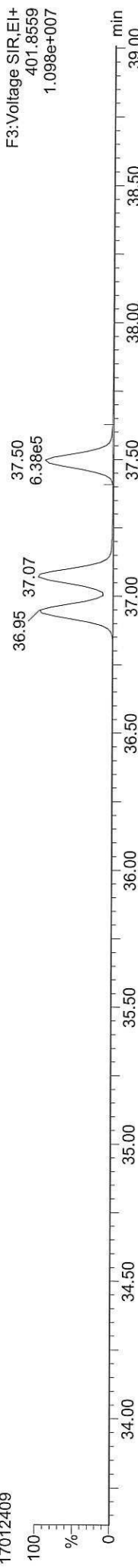
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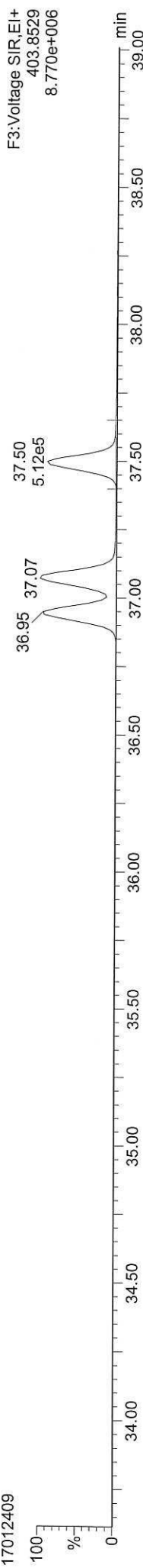
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17012409



13C-123789-HxCDD

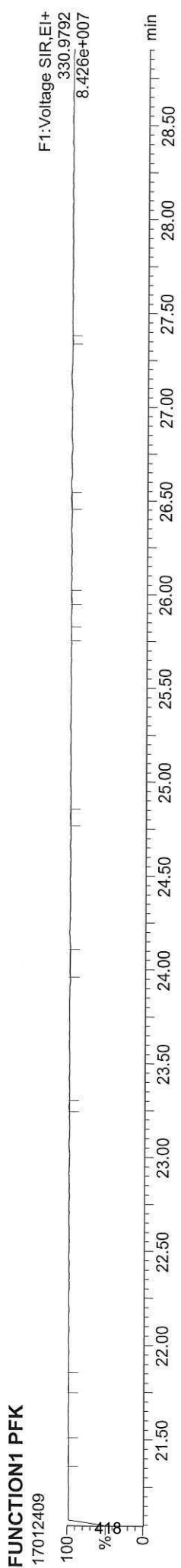
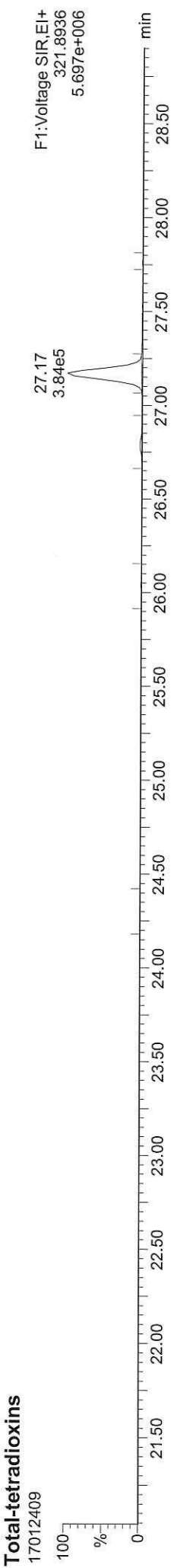
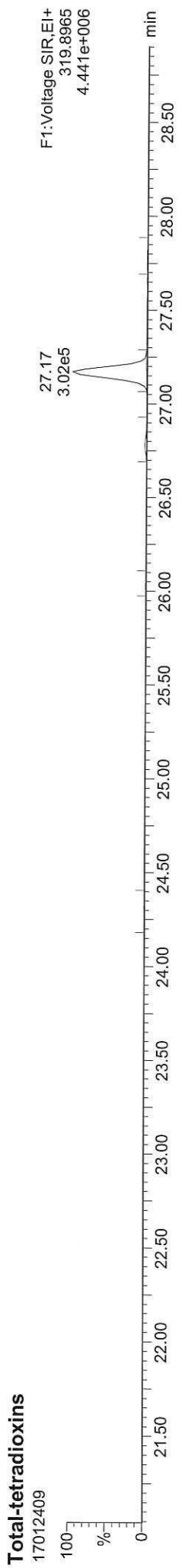
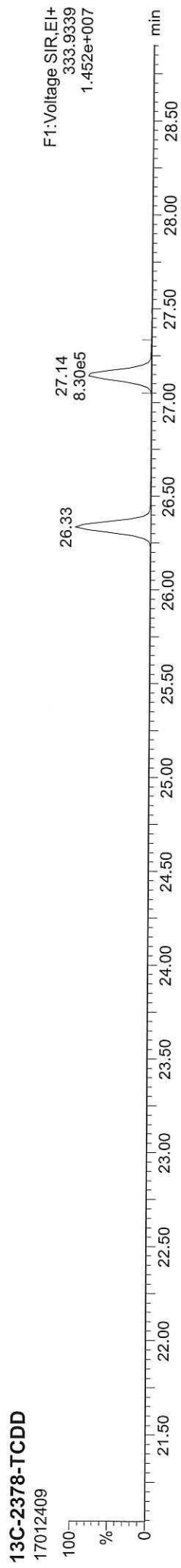
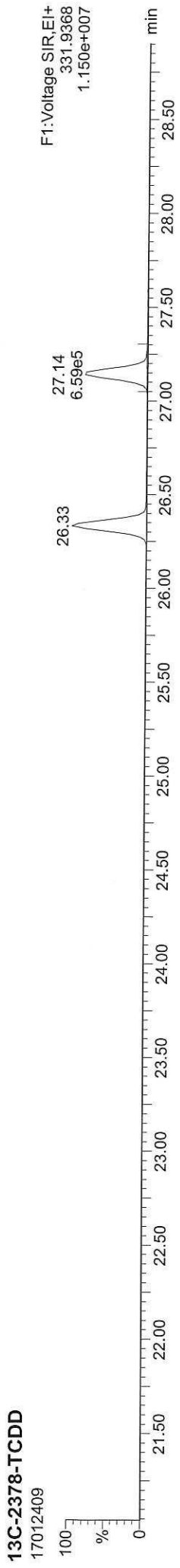
17012409



Quantify Sample Report MassLynx MassLynx V4.1 SCN909

Dataset: C:\MassLynx\Dioxin.pro\170124\CAL.qld  
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Dataset: C:\MassLynx\Dioxin.pro\170124\CAL.qld

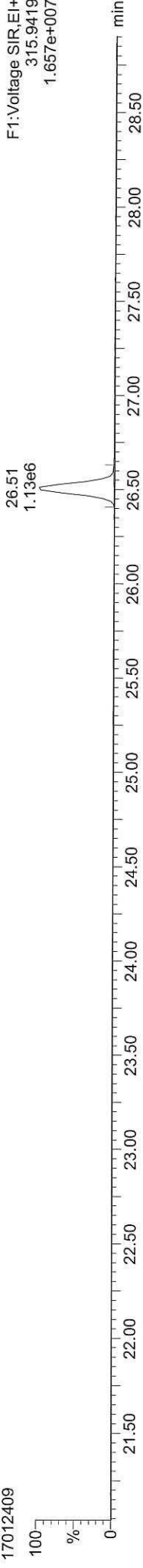
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**13C-2378-TCDF**

17012409



F1: Voltage SIR, EI+  
315.9419  
1.657e+007

**13C-2378-TCDF**

17012409



F1: Voltage SIR, EI+  
317.9389  
2.117e+007

**Total-tetrafurans**

17012409



F1: Voltage SIR, EI+  
303.9016  
6.355e+006

**Total-tetrafurans**

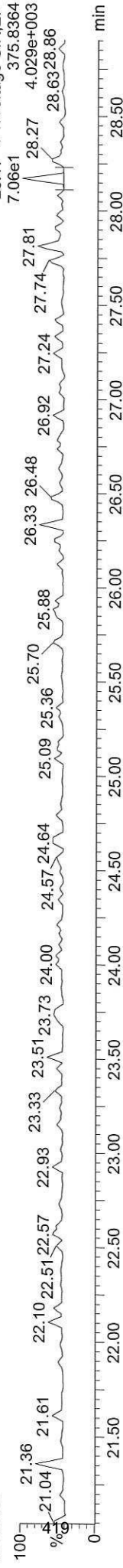
17012409



F1: Voltage SIR, EI+  
305.8987  
8.185e+006

**FUNCTION1 HXCDPE**

17012409

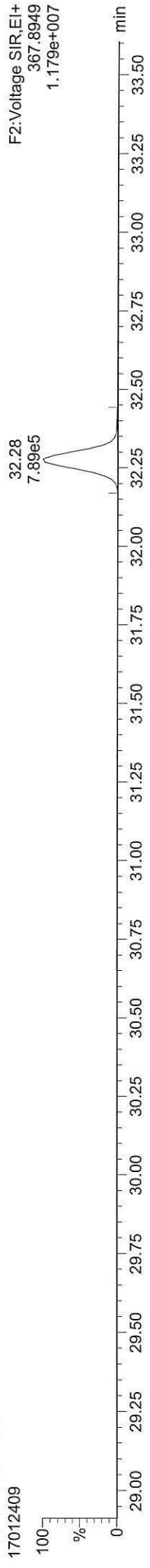


F1: Voltage SIR, EI+  
375.8364  
7.06e1

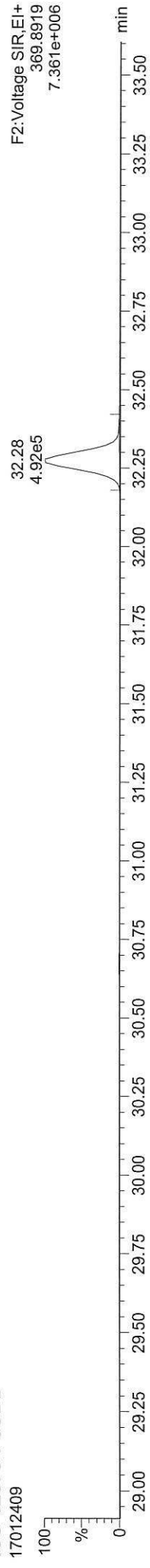
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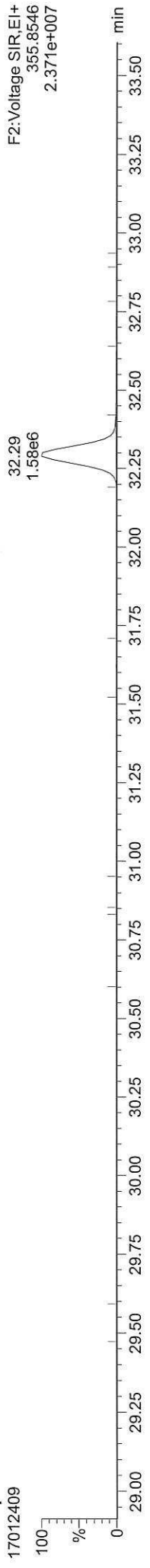
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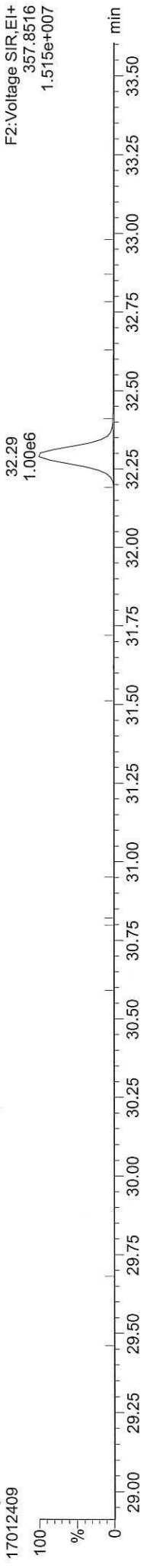
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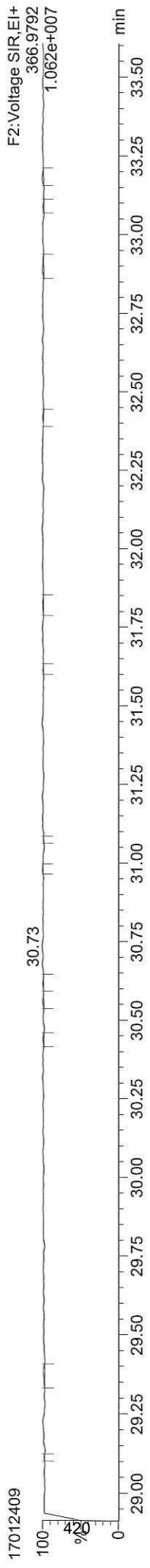
Total-pentadioxins



Total-pentadioxins



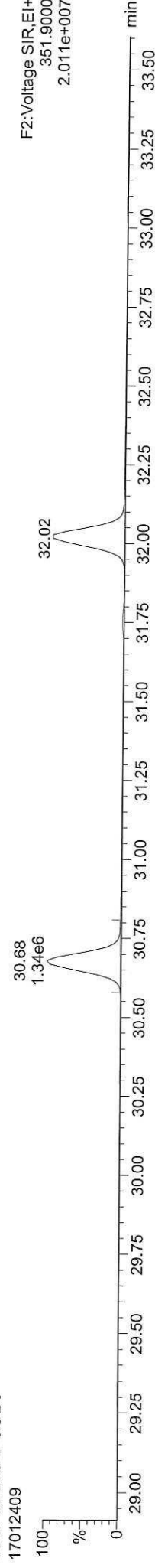
FUNCTION2 PFK



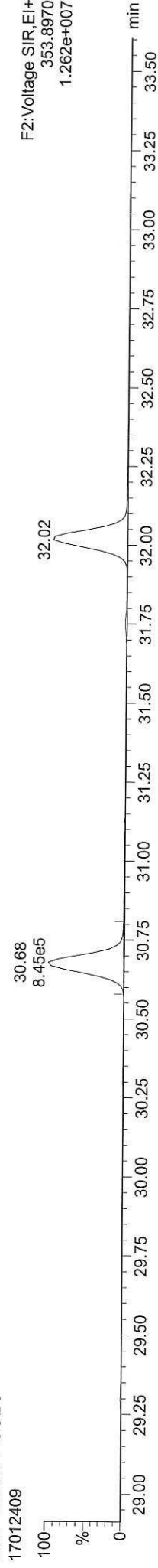
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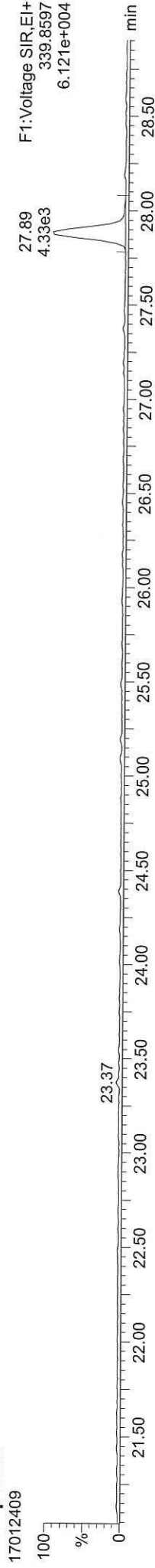
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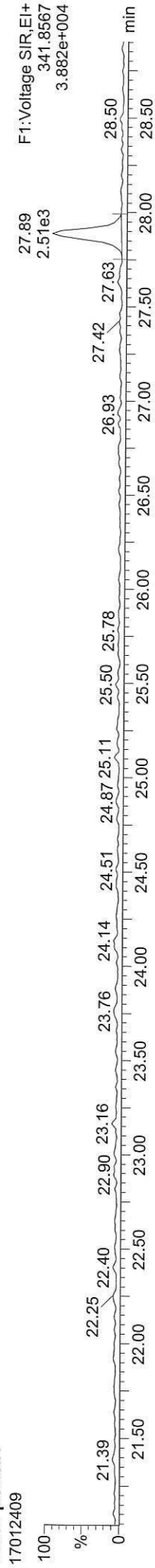
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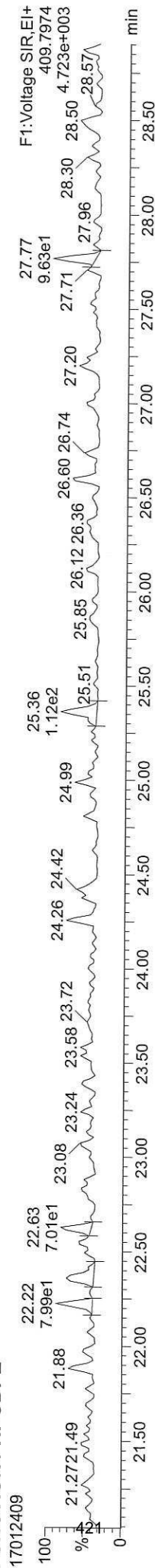
Total-penta1



Total-penta1



FUNCTION1 HPCDPE



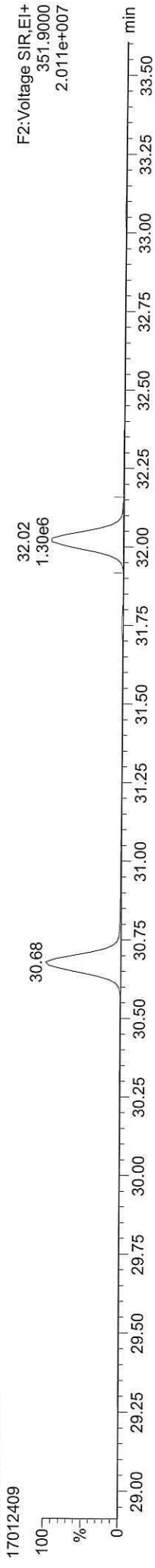


Quantify Sample Report MassLynx MassLynx V4.1 SCN909

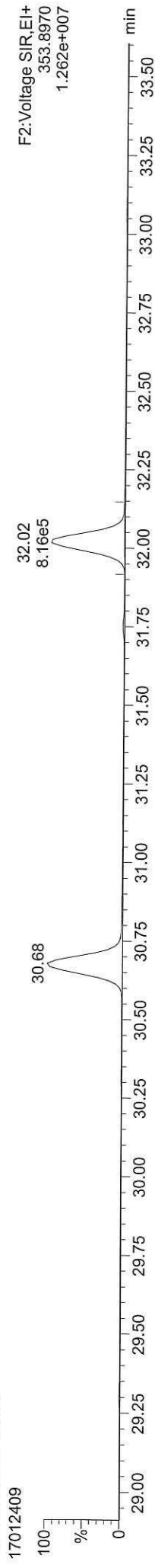
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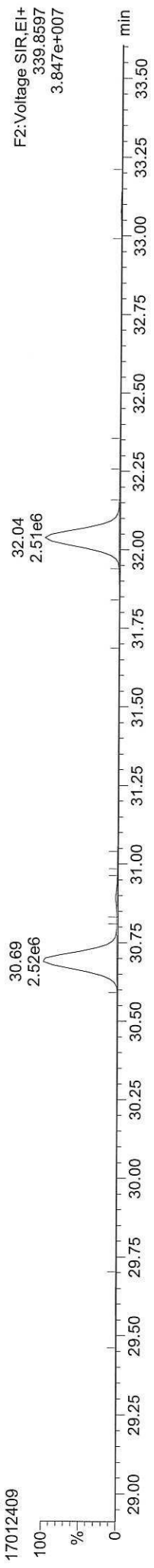
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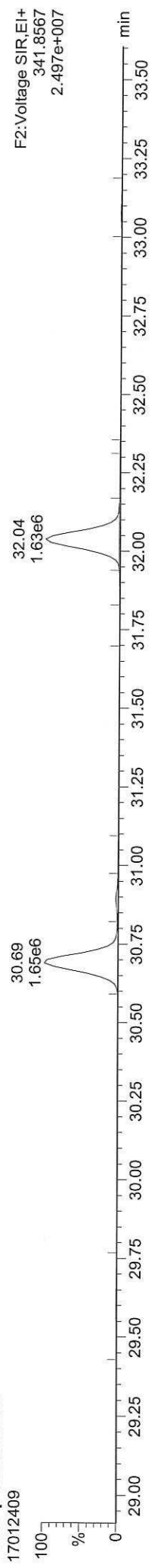
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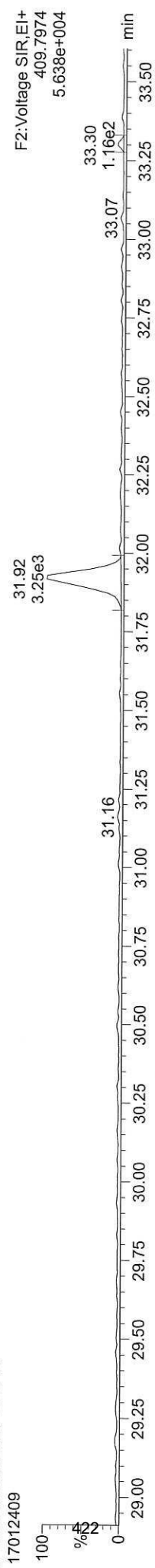
Total-pentafurans



Total-pentafurans



FUNCTION2 HPCDPE



Dataset: C:\MassLynx\Dioxin.pro\170124\CAL.qld

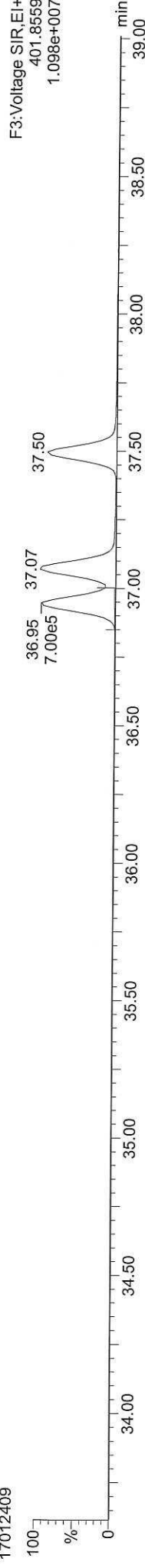
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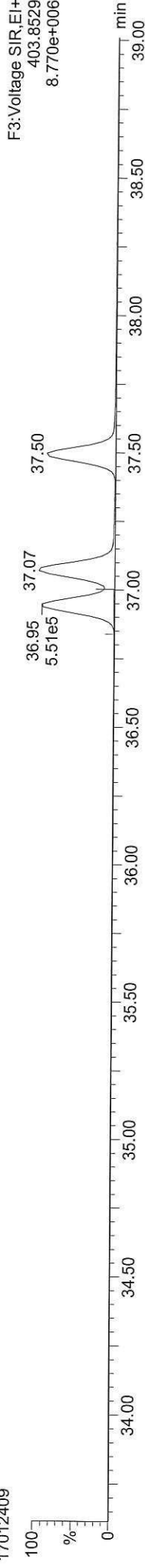
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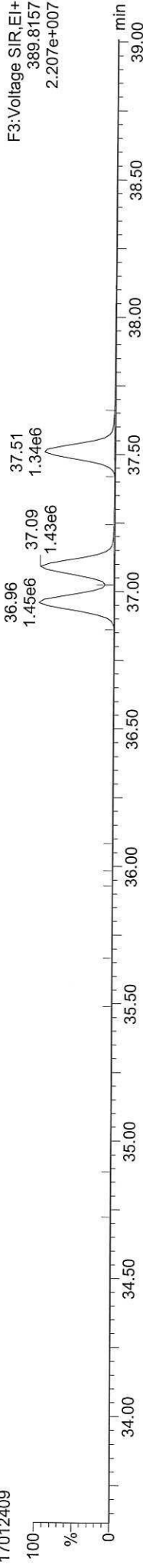
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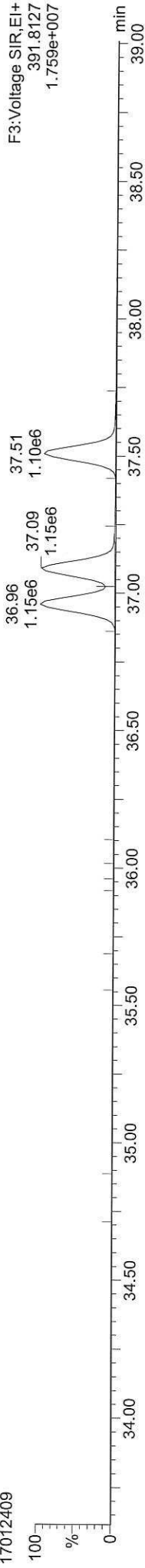
Total-hexadioxins

17012409



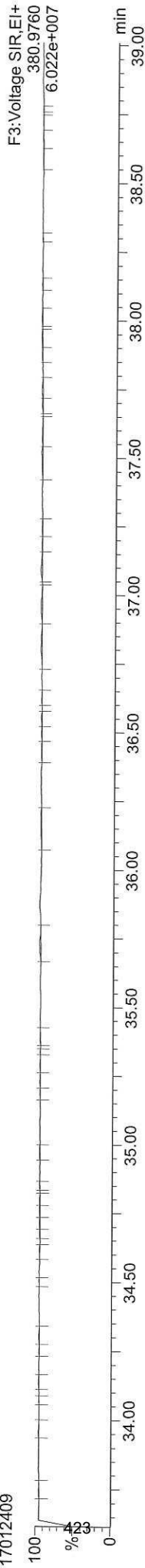
Total-hexadioxins

17012409



FUNCTION3 PFK

17012409



Dataset: C:\MassLynx\Dioxin.pro\170124\CAL.qld

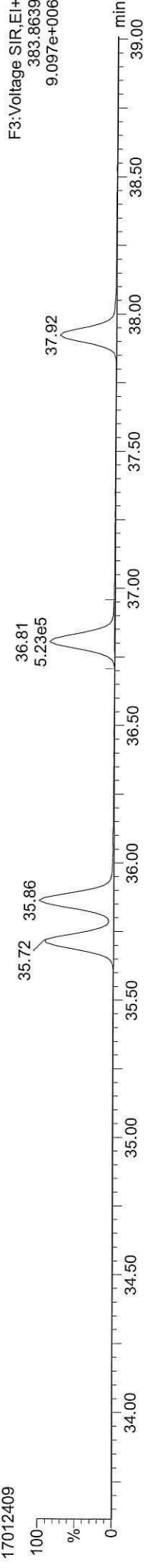
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Printed: Wednesday, January 25, 2017 09:38:23 Pacific Standard Time

ID: CS4, Name: 17012409, Date: 24-Jan-2017, Time: 20:11:05, Conditions: AUTOSPEC01, User: pk

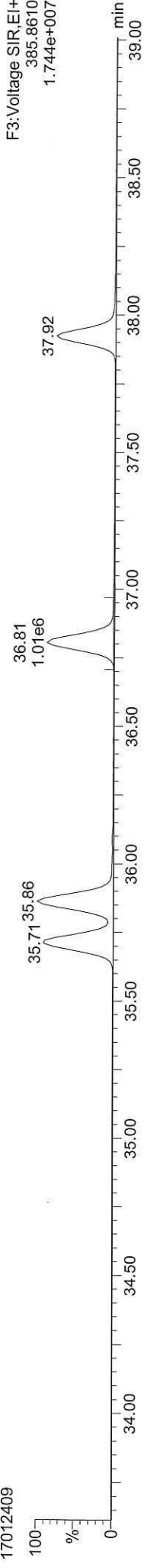
13C-234678-HxCDF

17012409



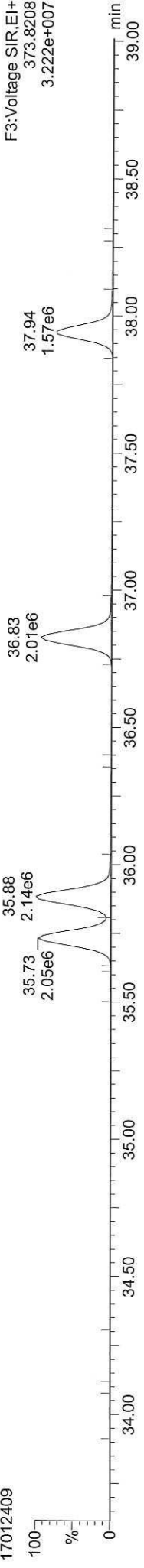
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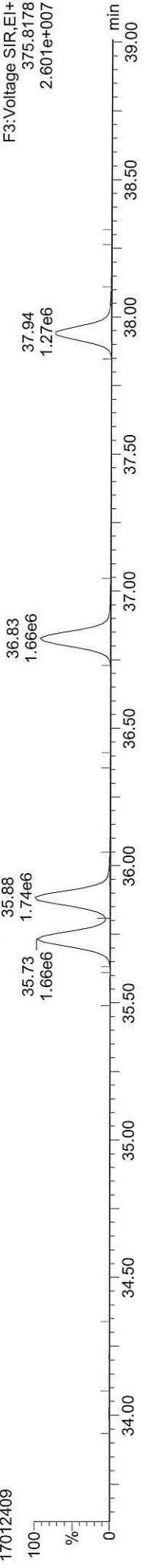
Total-hexafurans

17012409



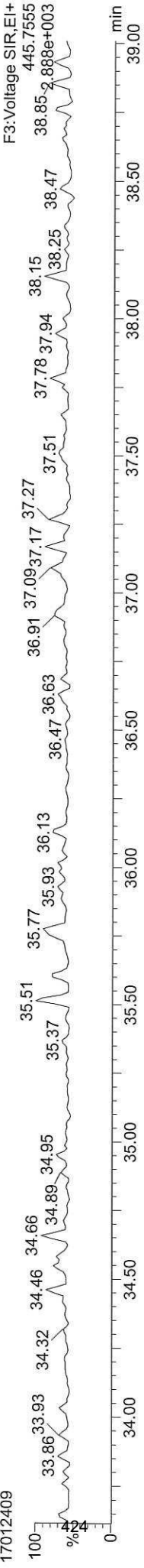
Total-hexafurans

17012409



FUNCTION3 OCDFE

17012409

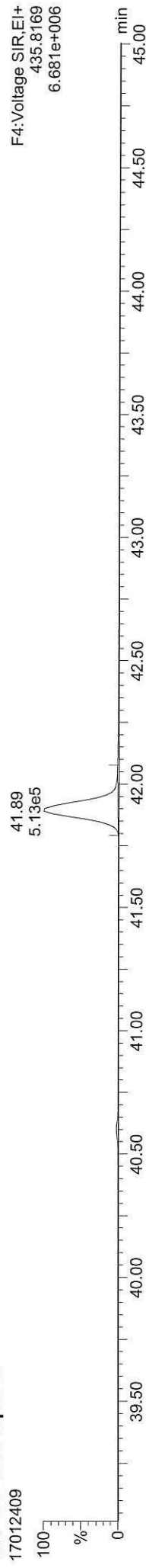


Quantify Sample Report MassLynx MassLynx V4.1 SCN909

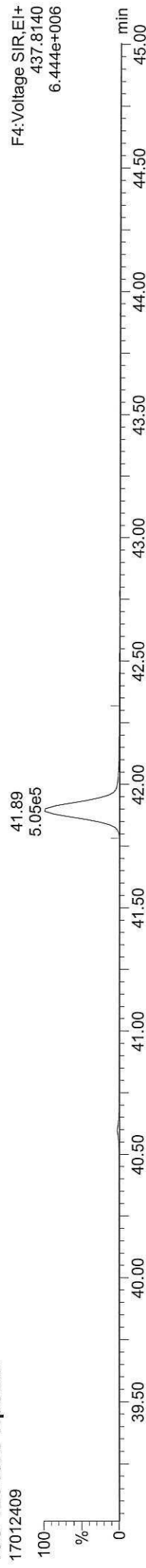
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Last Altered: Wednesday, January 25, 2017 09:33:34 Pacific Standard Time  
Printed: Wednesday, January 25, 2017 09:38:23 Pacific Standard Time

ID: CS4, Name: 17012409, Date: 24-Jan-2017, Time: 20:11:05, Conditions: AUTOSPEC01, User: pk

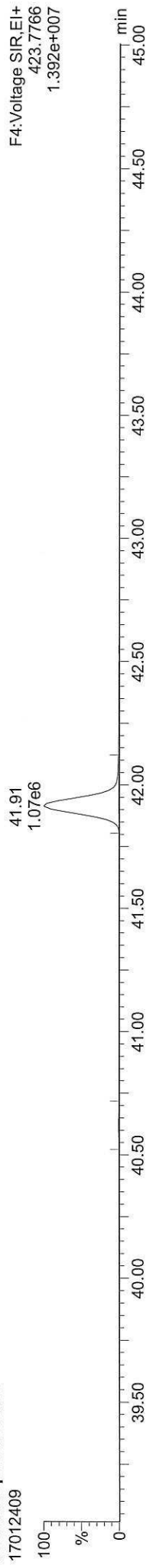
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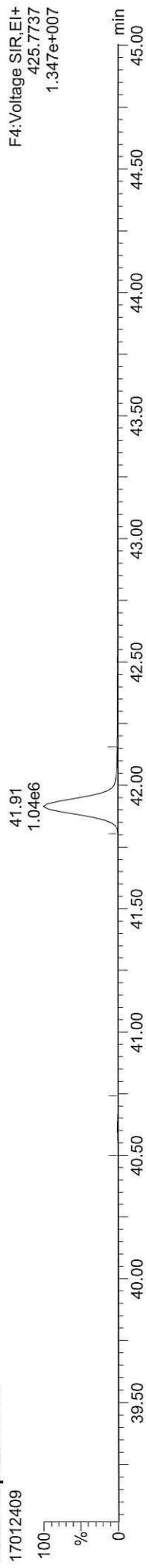
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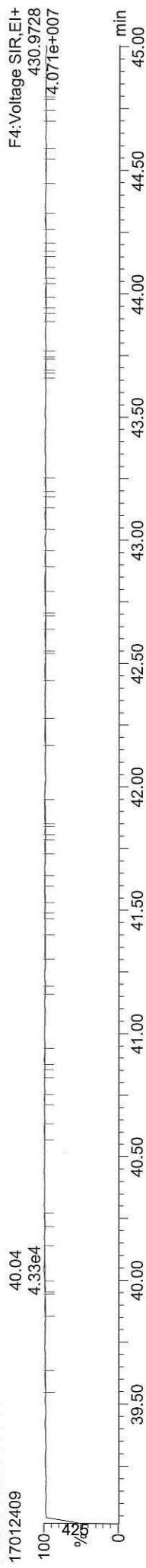
Total-heptadioxins



Total-heptadioxins



FUNCTION4 PFK



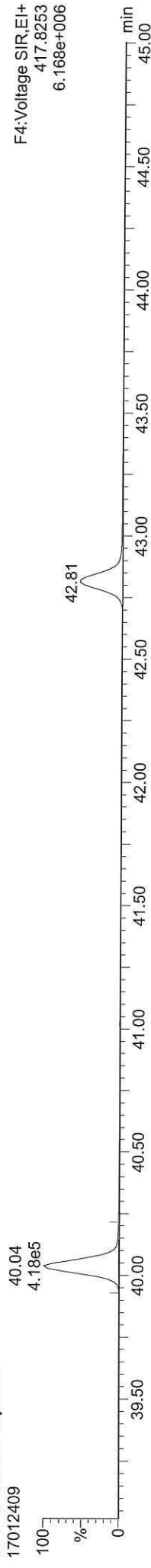
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Last Altered: Wednesday, January 25, 2017 09:33:34 Pacific Standard Time

Printed: Wednesday, January 25, 2017 09:38:23 Pacific Standard Time

ID: CS4, Name: 17012409, Date: 24-Jan-2017, Time: 20:11:05, Conditions: AUTOSPEC01, User: pk

13C-1234678-HpCDF



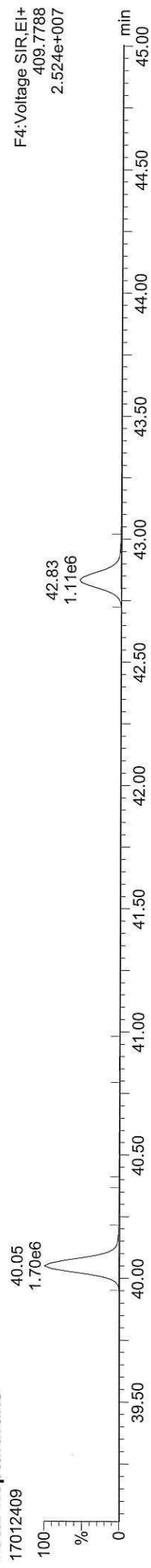
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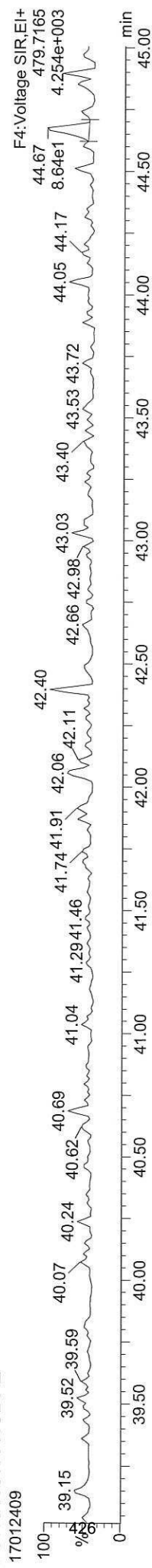
Total-heptafurans



Total-heptafurans



FUNCTION4 NCDPE



Dataset: C:\MassLynx\Dioxin.pro\170124\CAL.qld

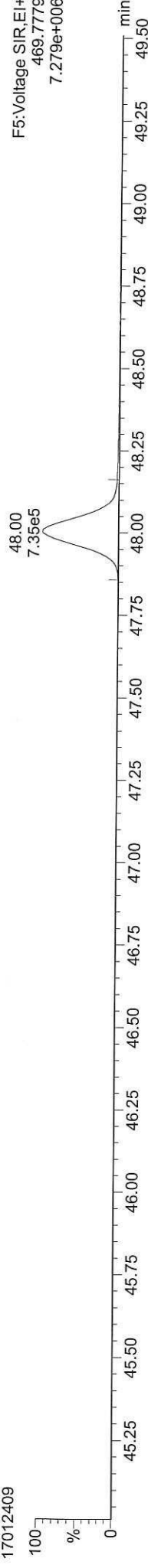
Last Altered: Wednesday, January 25, 2017 09:33:34 Pacific Standard Time

Printed: Wednesday, January 25, 2017 09:38:23 Pacific Standard Time

ID: CS4, Name: 17012409, Date: 24-Jan-2017, Time: 20:11:05, Conditions: AUTOSPEC01, User: pk

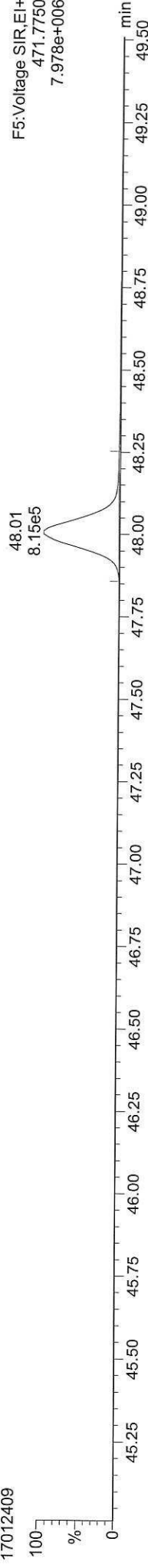
13C-OCDD

17012409



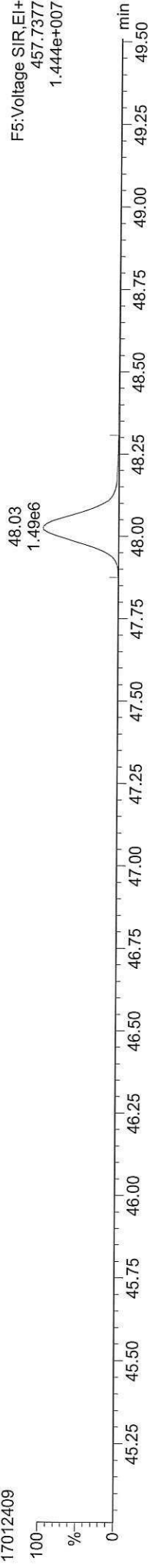
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17012409



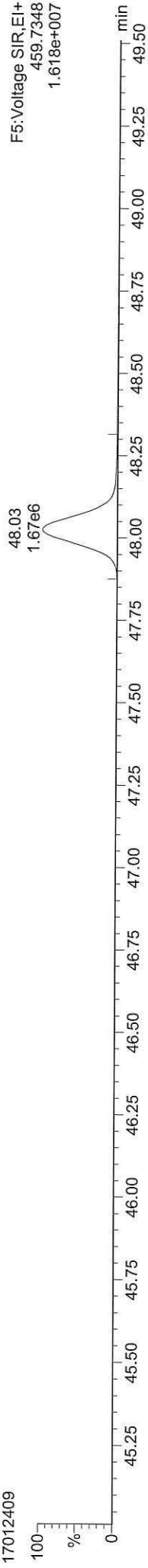
OCDD

17012409



OCDD

17012409



FUNCTION5 PFK

17012409



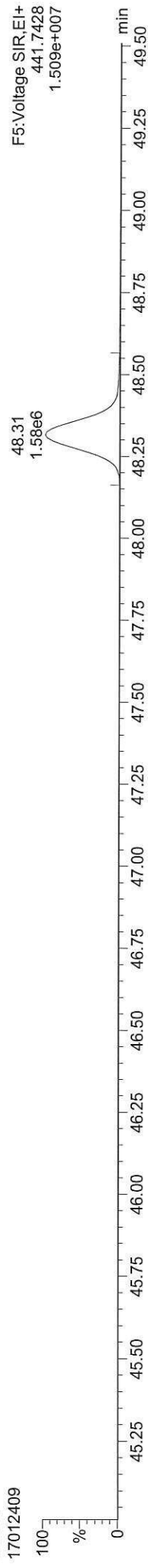
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ID: CS4, Name: 17012409, Date: 24-Jan-2017, Time: 20:11:05, Conditions: AUTOSPEC01, User: pk

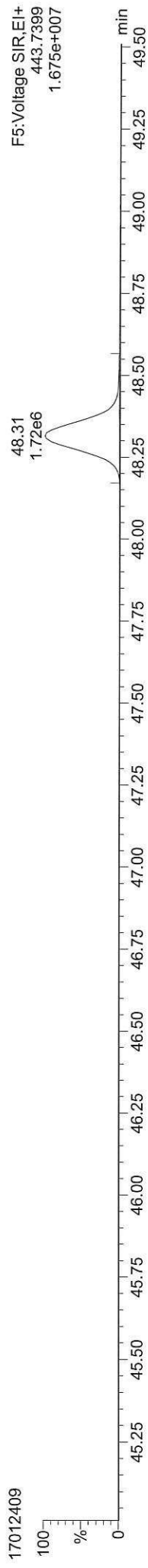
37CL-2378-TCDD



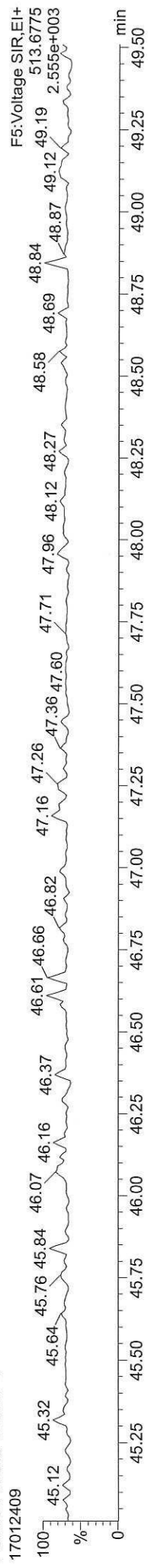
OCDF



OCDF



FUNCTION5 DCDPE



Dataset: C:\MassLynx\Dioxin.pro\170124\CAL.qld

Last Altered: Wednesday, January 25, 2017 09:33:34 Pacific Standard Time

Printed: Wednesday, January 25, 2017 09:38:25 Pacific Standard Time

Method: C:\MassLynx\Dioxin.pro\MethDB\Dioxin170112.mdb 12 Jan 2017 14:01:03

Calibration: C:\MassLynx\Dioxin.pro\CurveDB\170124\CAL.cdb 25 Jan 2017 09:33:34

ID: CS5, Name: 17012410, Date: 24-Jan-2017, Time: 21:04:19, Conditions: AUTOSPEC01, User: pk

Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	pg
2378-TCDF	26.512	1.001	2.48e6	3.22e6	0.924	0.768	0.770	1653	2768	3.70e7	4.82e7	22373.8	NO	207.326
12378-PeCDF	30.689	1.001	1.63e7	1.05e7	0.954	1.548	1.550	6141	5685	2.50e8	1.60e8	40658.5	NO	1017.724
23478-PeCDF	32.026	1.000	1.63e7	1.06e7	0.966	1.544	1.550	6141	5685	2.54e8	1.65e8	41393.8	NO	1026.528
123478-HxCDF	35.731	1.001	1.34e7	1.09e7	1.141	1.237	1.240	7449	8474	2.06e8	1.66e8	27592.9	NO	1014.201
234678-HxCDF	36.816	1.000	1.36e7	1.10e7	1.181	1.237	1.240	7449	8474	2.07e8	1.68e8	27850.9	NO	1023.445
123678-HxCDF	35.874	1.000	1.40e7	1.13e7	1.089	1.240	1.240	7449	8474	2.17e8	1.76e8	29087.5	NO	1007.971
123789-HxCDF	37.934	1.000	1.11e7	8.96e6	1.110	1.234	1.240	7449	8474	1.82e8	1.47e8	24429.0	NO	1015.971
1234678-HpCDF	40.050	1.001	1.18e7	1.14e7	1.267	1.032	1.050	8054	8881	1.77e8	1.70e8	22015.1	NO	1034.534
1234789-HpCDF	42.823	1.000	8.35e6	8.01e6	1.295	1.042	1.050	8054	8881	1.07e8	1.03e8	13342.4	NO	1018.561
OCDF	48.315	1.007	1.23e7	1.37e7	1.067	0.902	0.890	3908	5074	1.27e8	1.41e8	32375.4	NO	2135.231
2378-TCDD	27.154	1.001	1.83e6	2.30e6	1.150	0.794	0.770	1238	1364	2.72e7	3.45e7	21950.4	NO	206.303
12378-PeCDD	32.289	1.001	1.03e7	6.62e6	1.017	1.552	1.550	2061	1990	1.60e8	1.02e8	77687.0	NO	1019.539
123478-HxCDD	36.959	1.001	9.62e6	7.67e6	1.017	1.253	1.240	4033	4073	1.51e8	1.19e8	37403.7	NO	1006.498
123678-HxCDD	37.079	1.000	9.49e6	7.62e6	0.964	1.246	1.240	4033	4073	1.45e8	1.17e8	36069.3	NO	1027.377
123789-HxCDD	37.507	1.012	9.23e6	7.40e6	0.948	1.248	1.240	4033	4073	1.49e8	1.19e8	37012.0	NO	1026.871
1234678-HpCDD	41.902	1.000	7.35e6	7.04e6	1.051	1.044	1.050	5154	6366	9.84e7	9.50e7	19097.6	NO	1013.767
OCDD	48.019	1.000	1.10e7	1.23e7	1.030	0.897	0.890	2671	4535	1.15e8	1.28e8	43101.5	NO	1982.713
13C-2378-TCDF	26.497	1.006	1.31e6	1.67e6	1.515	0.784	0.770	4775	2645	1.96e7	2.48e7	4098.5	NO	107.043
13C-12378-PeCDF	30.667	1.165	1.69e6	1.07e6	1.276	1.587	1.550	3800	2402	2.57e7	1.62e7	6755.4	NO	117.963
13C-23478-PeCDF	32.015	1.216	1.65e6	1.05e6	1.257	1.572	1.550	3800	2402	2.54e7	1.63e7	6684.5	NO	117.363
13C-123478-HxCDF	35.709	0.953	7.16e5	1.38e6	1.431	0.518	0.510	2089	3347	1.11e7	2.12e7	5301.0	NO	94.259
13C-123678-HxCDF	35.862	0.957	7.92e5	1.52e6	1.552	0.521	0.510	2089	3347	1.19e7	2.25e7	5700.0	NO	95.757
13C-234678-HxCDF	36.805	0.982	6.93e5	1.34e6	1.349	0.516	0.510	2089	3347	1.06e7	2.01e7	5063.0	NO	97.028
13C-123789-HxCDF	37.923	1.012	6.12e5	1.16e6	1.111	0.526	0.510	2089	3347	9.80e6	1.84e7	4693.6	NO	102.620
13C-1234678-HpCDF	40.028	1.068	5.51e5	1.22e6	1.160	0.453	0.440	2247	2098	8.18e6	1.82e7	3641.2	NO	98.006
13C-1234789-HpCDF	42.812	1.142	3.83e5	8.57e5	0.758	0.447	0.440	2247	2098	4.83e6	1.08e7	2148.9	NO	105.202
13C-1234-TCDD	26.332	0.000	8.13e5	1.02e6	1.000	0.795	0.770	2655	1232	1.18e7	1.47e7	4442.7	NO	100.000
13C-2378-TCDD	27.139	1.031	7.71e5	9.70e5	0.872	0.794	0.770	2655	1232	1.14e7	1.44e7	4303.3	NO	108.758
13C-12378-PeCDD	32.267	1.225	9.99e5	6.30e5	0.754	1.585	1.550	1406	1058	1.55e7	9.75e6	11020.1	NO	117.712
13C-123478-HxCDD	36.937	0.985	9.48e5	7.41e5	1.106	1.280	1.240	2667	1678	1.47e7	1.14e7	5501.5	NO	98.130
13C-123678-HxCDD	37.068	0.989	9.62e5	7.65e5	1.165	1.258	1.240	2667	1678	1.48e7	1.18e7	5539.8	NO	95.324
13C-1234678-HpCDD	41.891	1.118	6.95e5	6.56e5	0.872	1.060	1.050	2093	2150	9.42e6	8.91e6	4502.0	NO	99.568
13C-OCDD	48.001	1.281	1.08e6	1.20e6	0.655	0.904	0.890	1828	1153	1.11e7	1.23e7	6054.8	NO	223.933



Dataset: C:\MassLynx\170124\ICAL.qld  
 Last Altered: Wednesday, January 25, 2017 09:33:34 Pacific Standard Time  
 Printed: Wednesday, January 25, 2017 09:38:25 Pacific Standard Time

ID: CS5, Name: 17012410, Date: 24-Jan-2017, Time: 21:04:19, Conditions: AUTOSPEC01, User: pk

Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	pg
13C-123789-HxCDD	37.485	0.000	8.66e5	6.89e5	1.000	1.257	1.240	2667	1678	1.37e7	1.09e7	5138.3	NO	100.000
Total-tetrafurans			2.52e6		0.924			1653		3.77e7				211.170
Total-penta1			5.36e2					574		8.66e3				0.034
Total-pentafurans			3.31e7		0.960			6141		5.12e8				2075.029
Total-hexafurans			5.22e7		1.130			7449		8.13e8				4068.868
Total-heptafurans			2.01e7		1.281			8054		2.85e8				2055.274
Total-Furans			1.20e8		1.100			1653		1.77e9				10545.605
Total-tetradioxins			1.87e6		1.150			1238		2.78e7				211.619
Total-pentadioxins			1.03e7		1.017			2061		1.61e8				1021.931
Total-hexadioxins			2.83e7		0.977			4033		4.46e8				3060.977
Total-heptadioxins			7.38e6		1.051			5154		9.88e7				1017.718
Total-Dioxins			5.89e7		1.025			1238		8.48e8				7294.981
Total-TEQ			1.79e8					1238		2.62e9				17840.586
37CL-2378-TCDD	27.154	1.031	4.29e6		1.073			1792		6.42e7		35829.5		218.109
FUNCTION1 PFK			9.56e7					398640		6.84e8				
FUNCTION2 PFK			2.72e5					120561		7.47e6				0.000
FUNCTION3 PFK			1.96e6					384493		2.63e7				0.000
FUNCTION4 PFK			4.03e5					253764		5.12e6				
FUNCTION5 PFK			0.00e0					195949		0.00e0				
FUNCTION1 HXCDPE			0.00e0					467		0.00e0				
FUNCTION1 HPCDPE			7.09e1					529		9.23e2				0.000
FUNCTION2 HPCDPE			1.81e4					529		2.83e5				0.000
FUNCTION3 OCDPE			0.00e0					287		0.00e0				
FUNCTION4 NCDPE			7.05e1					528		2.54e3				0.000
FUNCTION5 DCDPE			0.00e0					259		0.00e0				

Dataset: C:\MassLynx\Dioxin.pro\170124\CAL.qld

Last Altered: Wednesday, January 25, 2017 09:33:34 Pacific Standard Time

Printed: Wednesday, January 25, 2017 09:38:25 Pacific Standard Time

Method: C:\MassLynx\Dioxin.pro\MethDB\Dioxin170112.mdb 12 Jan 2017 14:01:03  
Calibration: C:\MassLynx\Dioxin.pro\CurveDB\170124\CAL.cdb 25 Jan 2017 09:33:34

ID: CS5, Name: 17012410, Date: 24-Jan-2017, Time: 21:04:19, Conditions: AUTOSPEC01, User: pk

13C-1234-TCDD

17012410



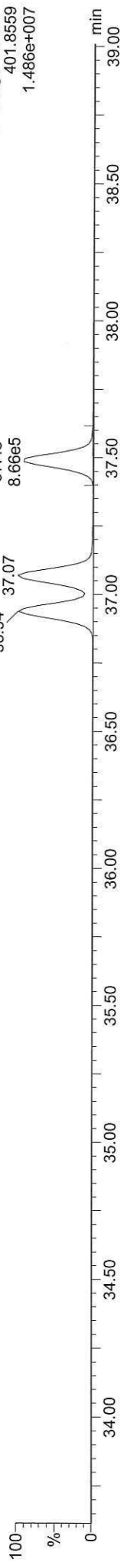
13C-1234-TCDD

17012410



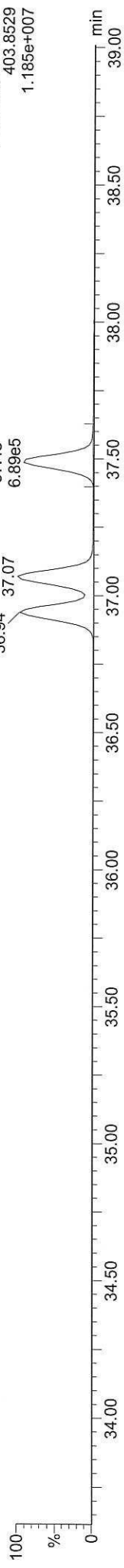
13C-123789-HxCDD

17012410



13C-123789-HxCDD

17012410



Quantify Sample Report

MassLynx MassLynx V4.1 SCN909

Dataset: C:\MassLynx\Dioxin.pro\170124\CAL.qld

Last Altered: Wednesday, January 25, 2017 09:33:34 Pacific Standard Time

Printed: Wednesday, January 25, 2017 09:38:25 Pacific Standard Time

ID: CS5, Name: 17012410, Date: 24-Jan-2017, Time: 21:04:19, Conditions: AUTOSPEC01, User: pk

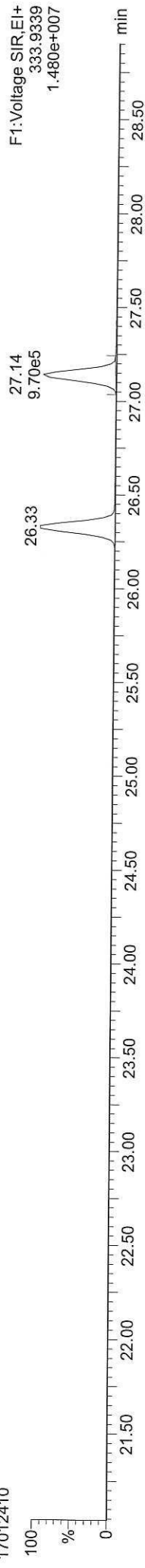
13C-2378-TCDD

17012410



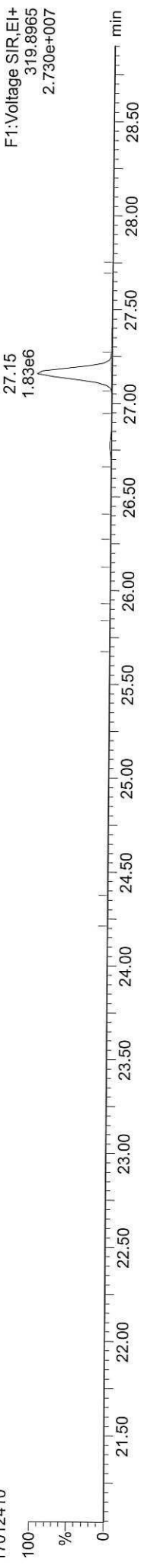
13C-2378-TCDD

17012410



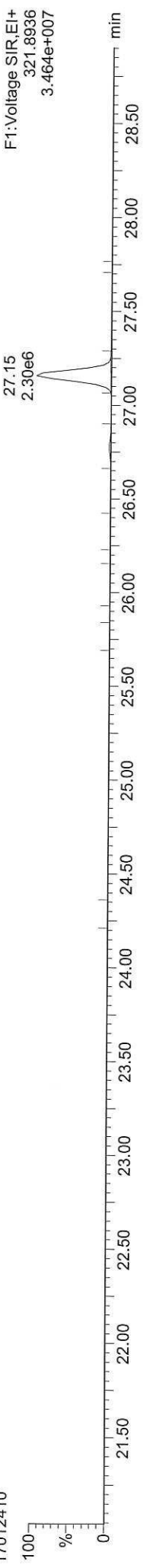
Total-tetradoxins

17012410



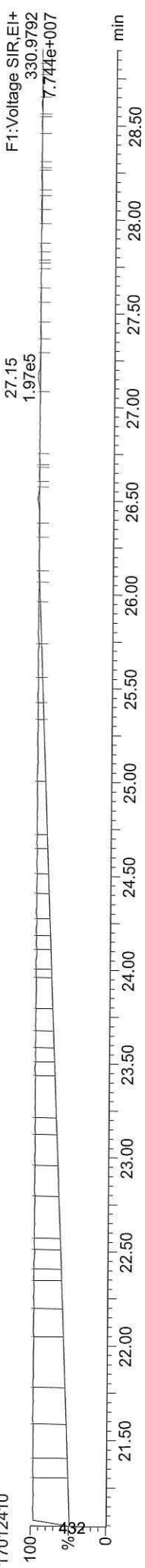
Total-tetradoxins

17012410



FUNCTION1 PFK

17012410

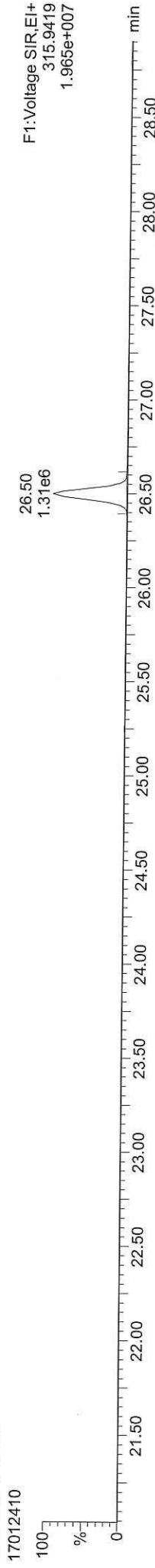


Quantify Sample Report MassLynx MassLynx V4.1 SCN909

Dataset: C:\MassLynx\Dioxin.pro\170124\CAL.qld  
Last Altered: Wednesday, January 25, 2017 09:33:34 Pacific Standard Time  
Printed: Wednesday, January 25, 2017 09:38:25 Pacific Standard Time

ID: CS5, Name: 17012410, Date: 24-Jan-2017, Time: 21:04:19, Conditions: AUTOSPEC01, User: pk

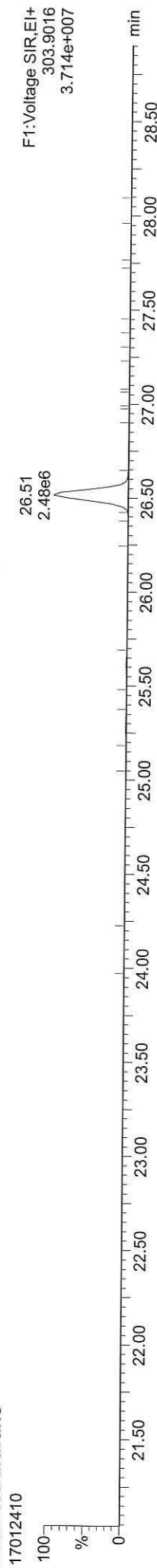
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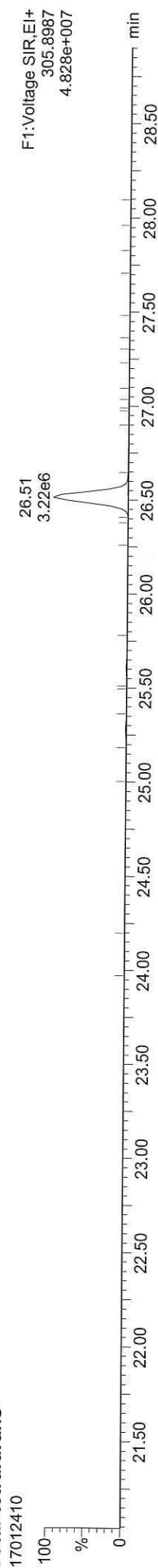
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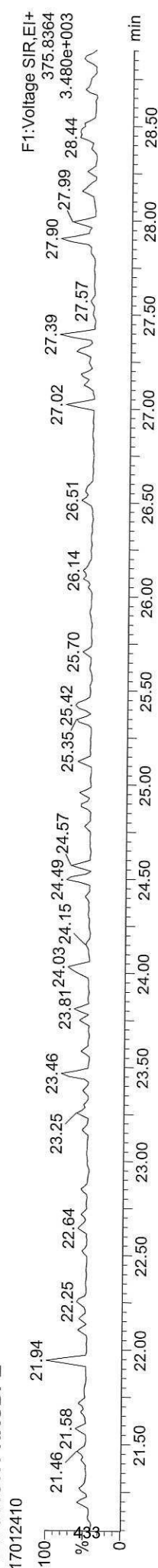
Total-tetrafurans



Total-tetrafurans



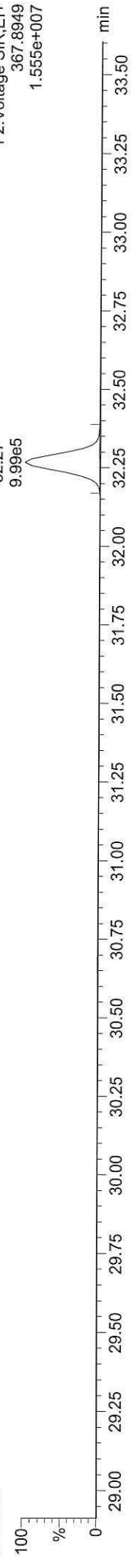
FUNCTION1 HXCDFE



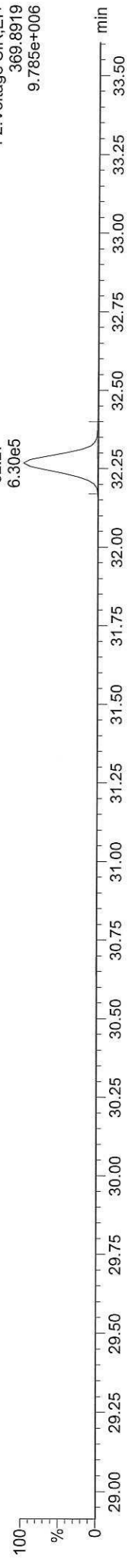
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Last Altered: Wednesday, January 25, 2017 09:33:34 Pacific Standard Time  
Printed: Wednesday, January 25, 2017 09:38:25 Pacific Standard Time

ID: CS5, Name: 17012410, Date: 24-Jan-2017, Time: 21:04:19, Conditions: AUTOSPEC01, User: pk

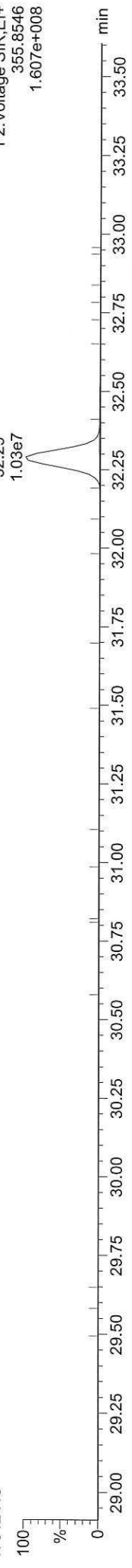
**13C-12378-PeCDD**  
17012410



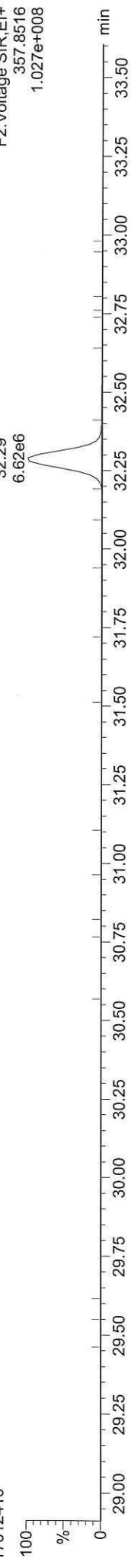
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17012410



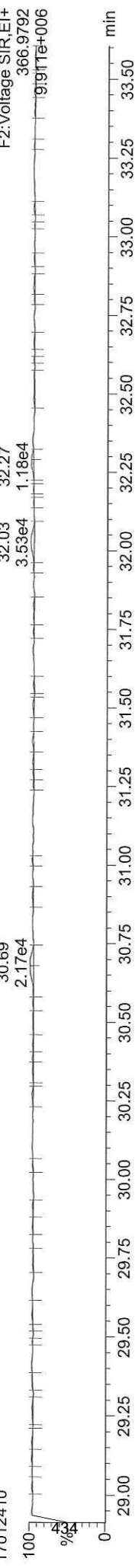
**Total-pentadioxins**  
17012410



**Total-pentadioxins**  
17012410



**FUNCTION2 PFK**  
17012410



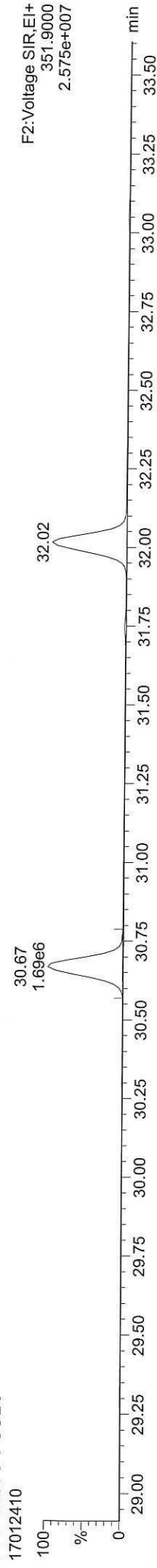
Dataset: C:\MassLynx\17012410\17012410.CAL.qld

Last Altered: Wednesday, January 25, 2017 09:33:34 Pacific Standard Time

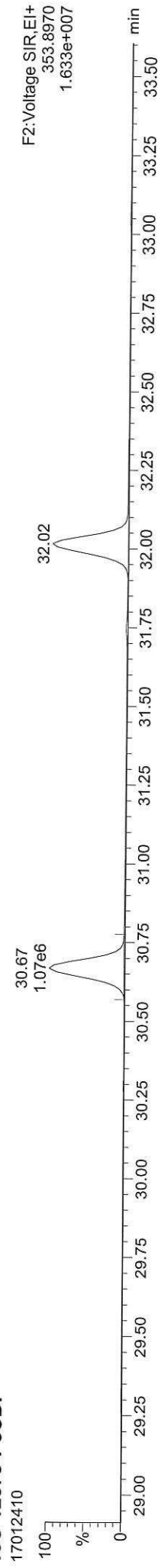
Printed: Wednesday, January 25, 2017 09:38:25 Pacific Standard Time

ID: CS5, Name: 17012410, Date: 24-Jan-2017, Time: 21:04:19, Conditions: AUTOSPEC01, User: pk

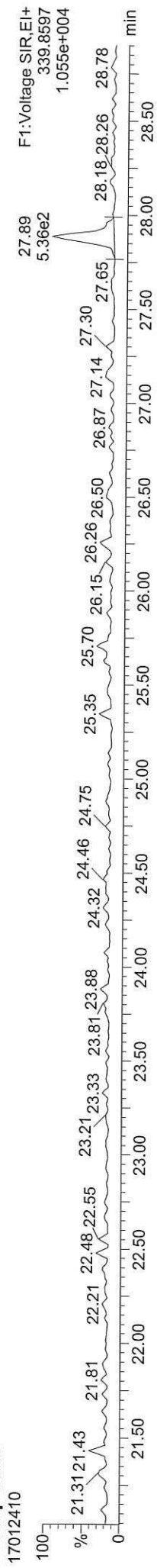
13C-12378-PeCDF



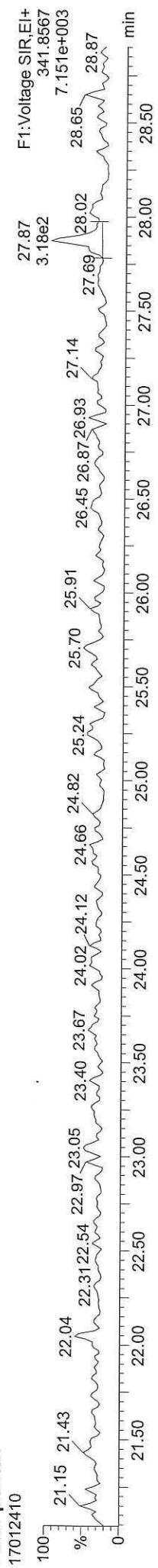
13C-12378-PeCDF



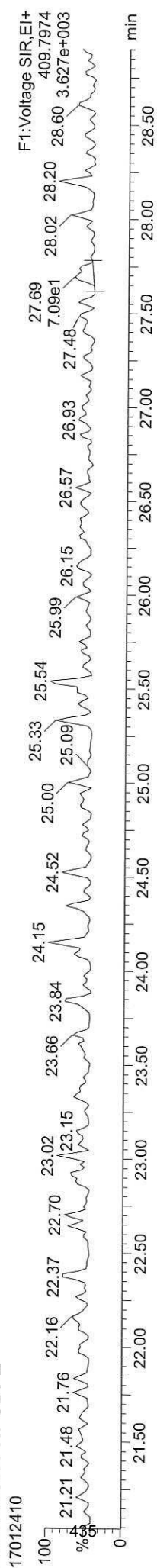
Total-penta1



Total-penta1



FUNCTION1 HPCDPE



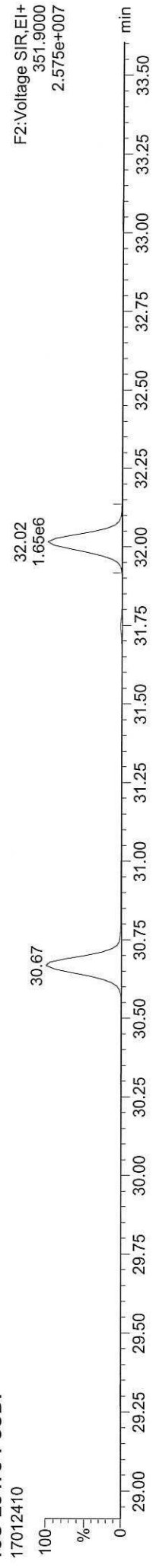
Dataset: C:\MassLynx\Dioxin.pro\170124\ICAL.qld

Last Altered: Wednesday, January 25, 2017 09:33:34 Pacific Standard Time

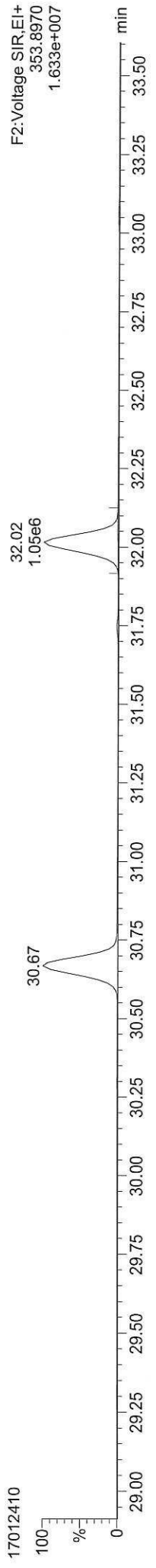
Printed: Wednesday, January 25, 2017 09:38:25 Pacific Standard Time

ID: CS5, Name: 17012410, Date: 24-Jan-2017, Time: 21:04:19, Conditions: AUTOSPEC01, User: pk

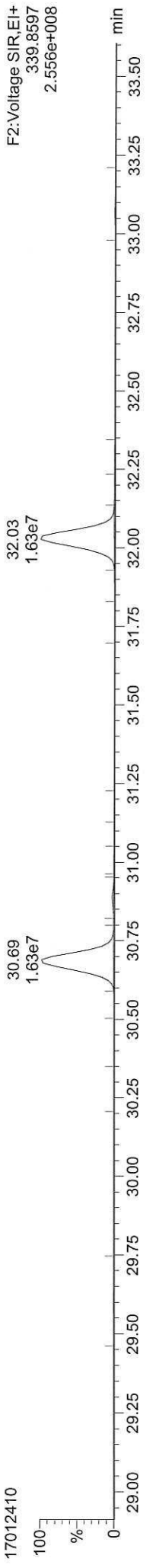
13C-23478-PeCDF



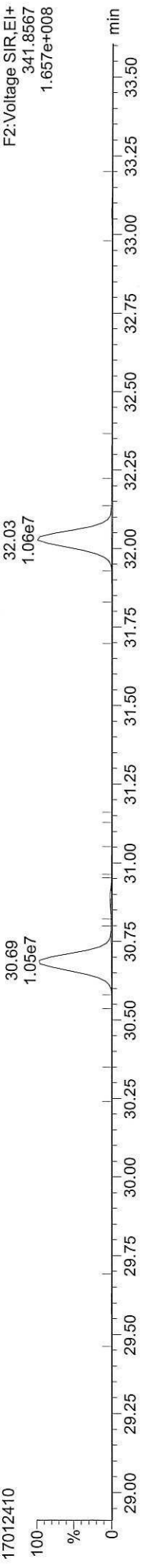
13C-23478-PeCDF



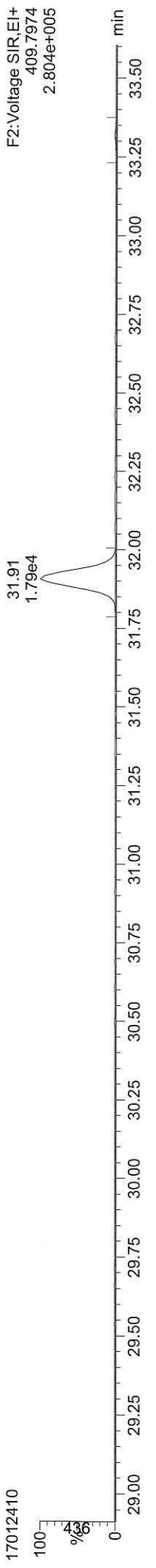
Total-pentafurans



Total-pentafurans



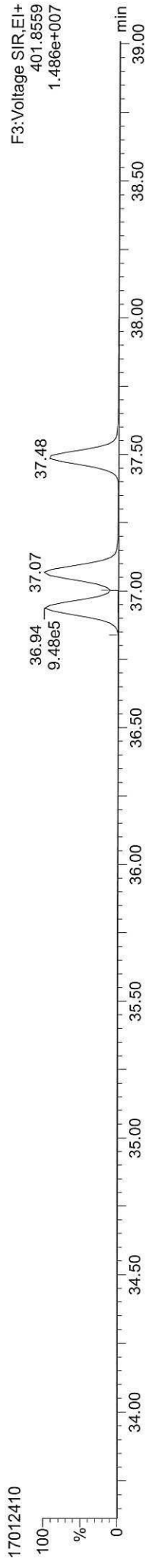
FUNCTION2 HPCDPE



Dataset: C:\MassLynx\Dioxin.pro\170124\CAL.qld  
Last Altered: Wednesday, January 25, 2017 09:33:34 Pacific Standard Time  
Printed: Wednesday, January 25, 2017 09:38:25 Pacific Standard Time

ID: CS5, Name: 17012410, Date: 24-Jan-2017, Time: 21:04:19, Conditions: AUTOSPEC01, User: pk

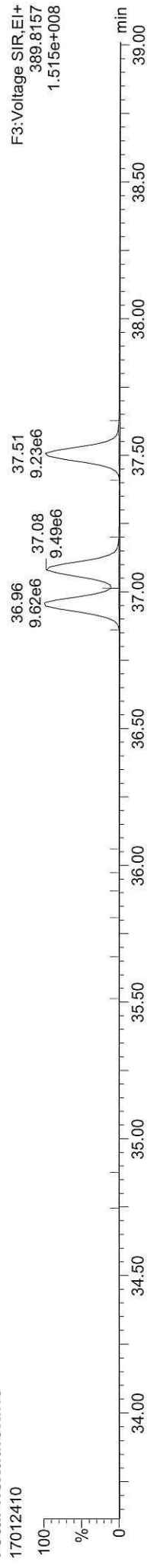
13C-123478-HxCDD



13C-123478-HxCDD



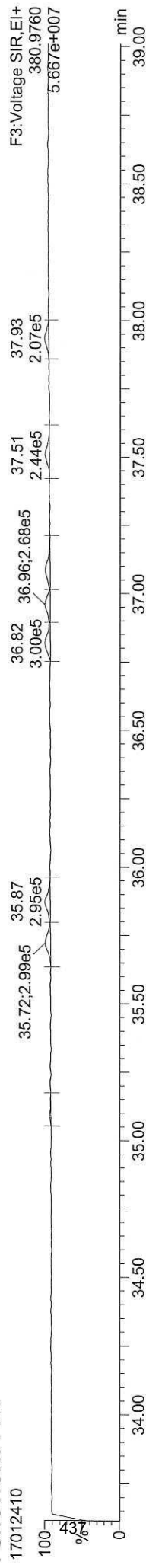
Total-hexadioxins



Total-hexadioxins



FUNCTION3 PFK





Dataset: C:\MassLynx\Dioxin.pro\170124\CAL.qld

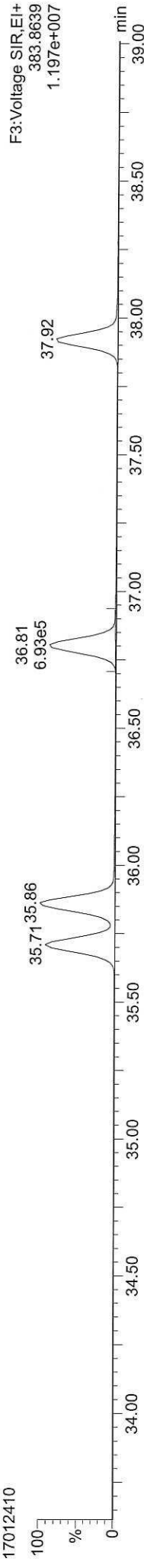
Last Altered: Wednesday, January 25, 2017 09:33:34 Pacific Standard Time

Printed: Wednesday, January 25, 2017 09:38:25 Pacific Standard Time

ID: CS5, Name: 17012410, Date: 24-Jan-2017, Time: 21:04:19, Conditions: AUTOSPEC01, User: pk

13C-234678-HxCDF

17012410



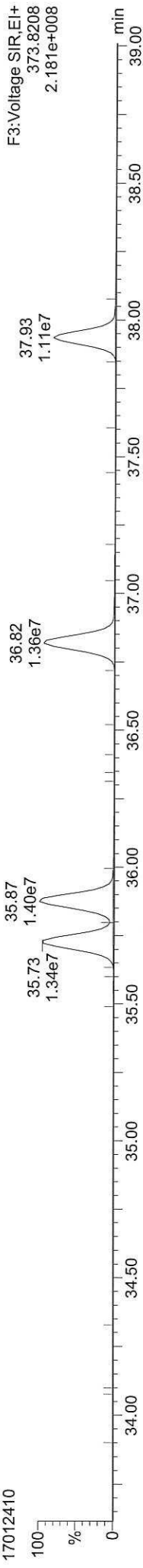
13C-234678-HxCDF

17012410



Total-hexafurans

17012410



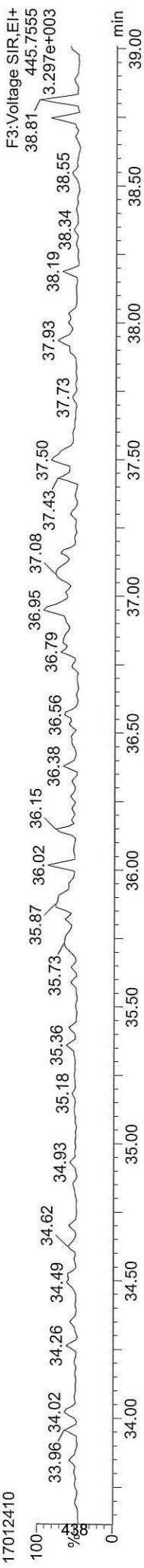
Total-hexafurans

17012410



FUNCTION3 OCDPE

17012410



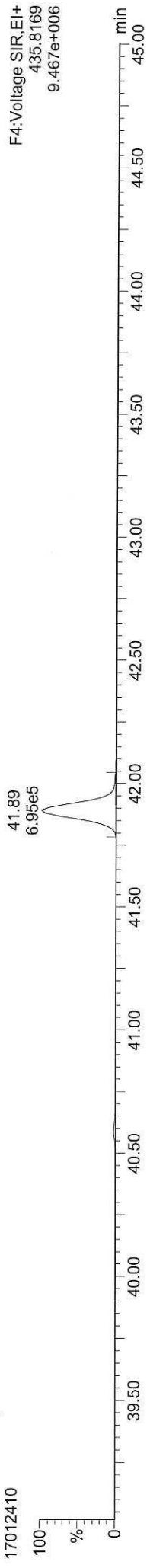
Dataset: C:\MassLynx\Dioxin.pro\170124\CAL.qld

Last Altered: Wednesday, January 25, 2017 09:33:34 Pacific Standard Time

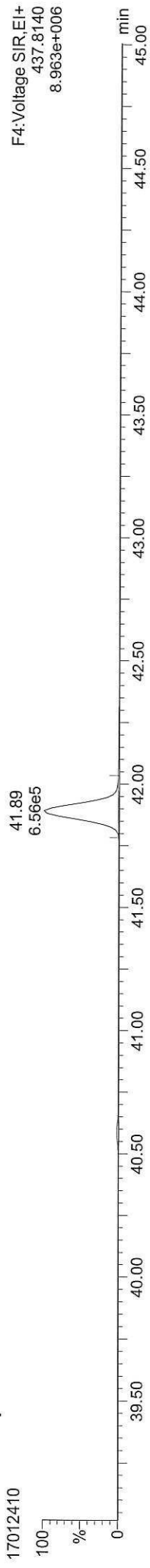
Printed: Wednesday, January 25, 2017 09:38:25 Pacific Standard Time

ID: CS5, Name: 17012410, Date: 24-Jan-2017, Time: 21:04:19, Conditions: AUTOSPEC01, User: pk

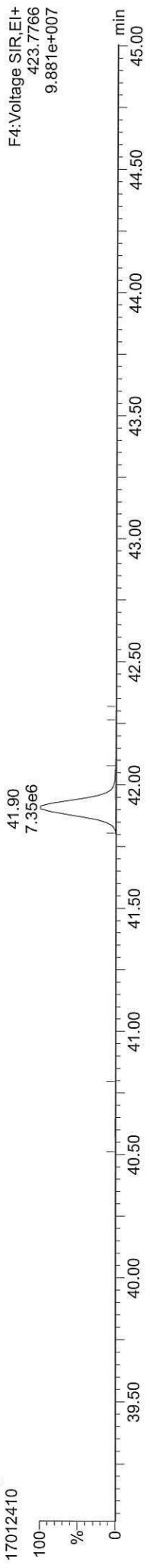
13C-1234678-HpCDD



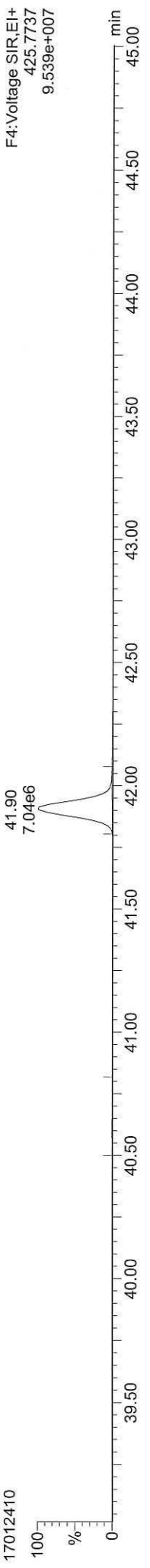
13C-1234678-HpCDD



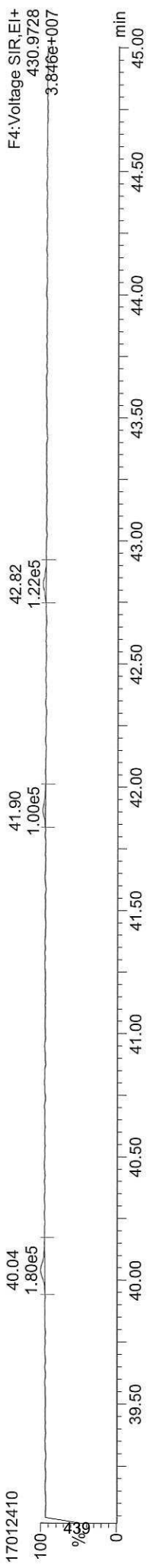
Total-heptadioxins



Total-heptadioxins



FUNCTION4 PFK



Dataset: C:\MassLynx\DIoxin.pro\170124\CAL.qld

Last Altered: Wednesday, January 25, 2017 09:33:34 Pacific Standard Time

Printed: Wednesday, January 25, 2017 09:38:25 Pacific Standard Time

ID: CS5, Name: 17012410, Date: 24-Jan-2017, Time: 21:04:19, Conditions: AUTOSPEC01, User: pk

13C-1234678-HpCDF



13C-1234678-HpCDF



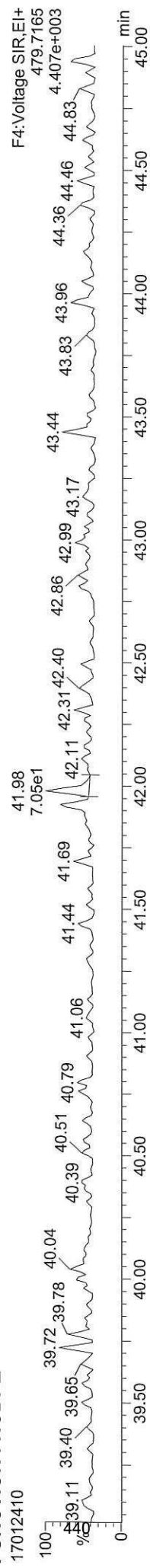
Total-heptafurans



Total-heptafurans

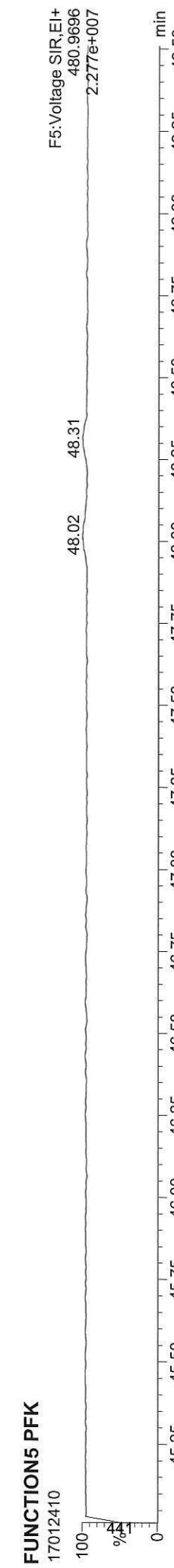
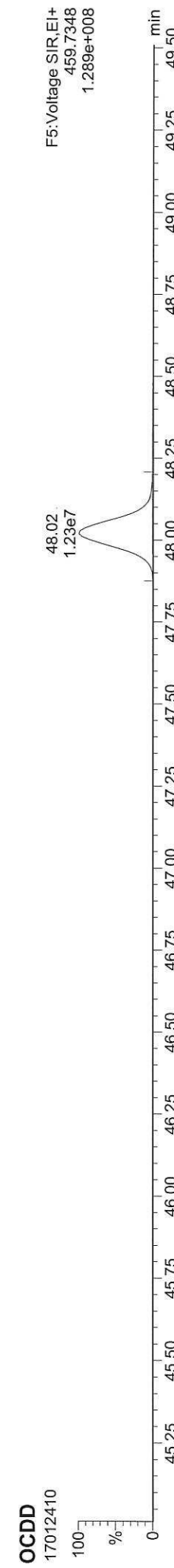
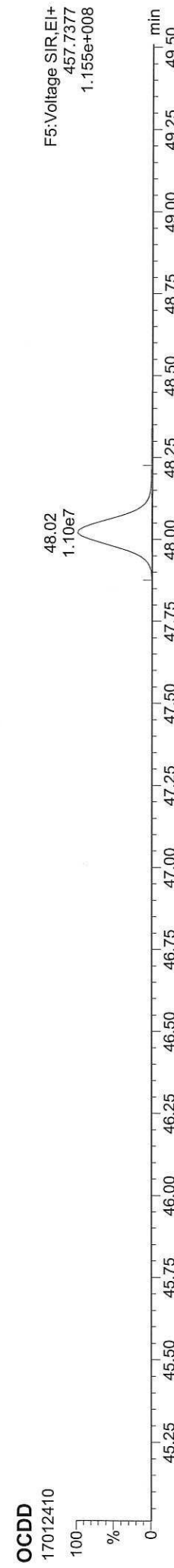
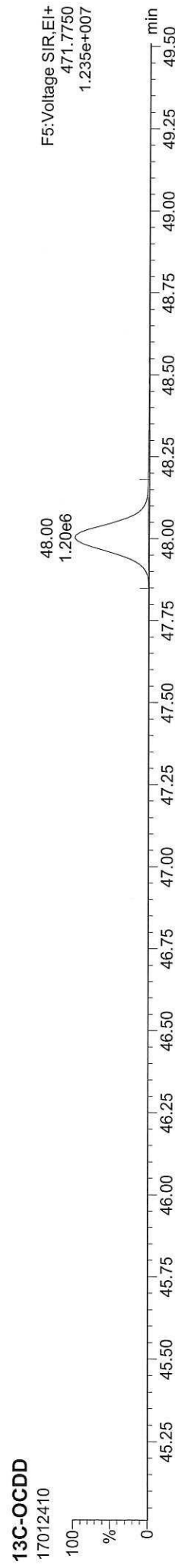
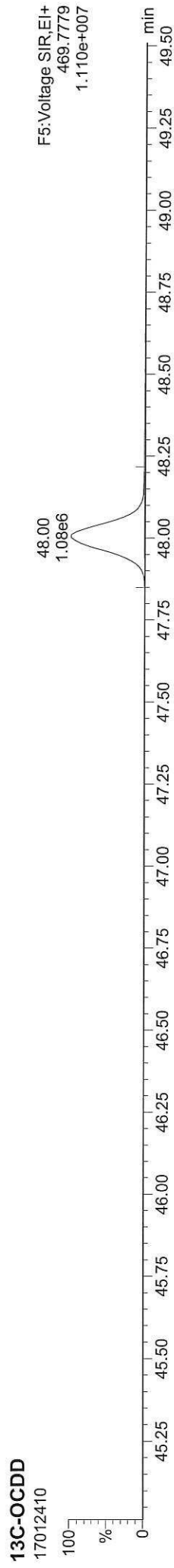


FUNCTION4 NCDPE



**Quantify Sample Report**    MassLynx MassLynx V4.1 SCN909  
Dataset: C:\MassLynx\Dioxin.pro\170124\CAL.qld  
Last Altered: Wednesday, January 25, 2017 09:33:34 Pacific Standard Time  
Printed: Wednesday, January 25, 2017 09:38:25 Pacific Standard Time

**ID: CS5, Name: 17012410, Date: 24-Jan-2017, Time: 21:04:19, Conditions: AUTOSPEC01, User: pk**



Quantify Sample Report MassLynx MassLynx V4.1 SCN909

Dataset: C:\MassLynx\Dioxin.pro\170124\CAL.qld  
Last Altered: Wednesday, January 25, 2017 09:33:34 Pacific Standard Time  
Printed: Wednesday, January 25, 2017 09:38:25 Pacific Standard Time

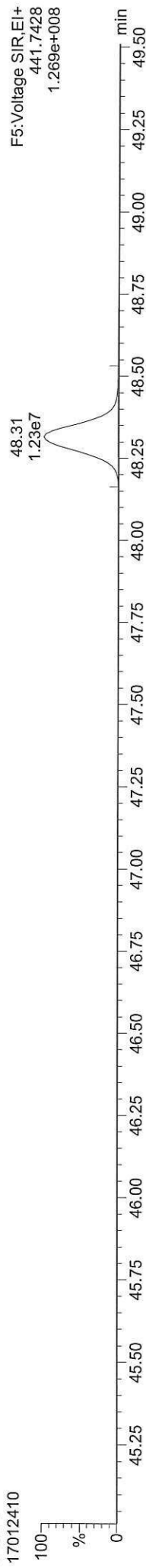
ID: CS5, Name: 17012410, Date: 24-Jan-2017, Time: 21:04:19, Conditions: AUTOSPEC01, User: pk

37CL-2378-TCDD



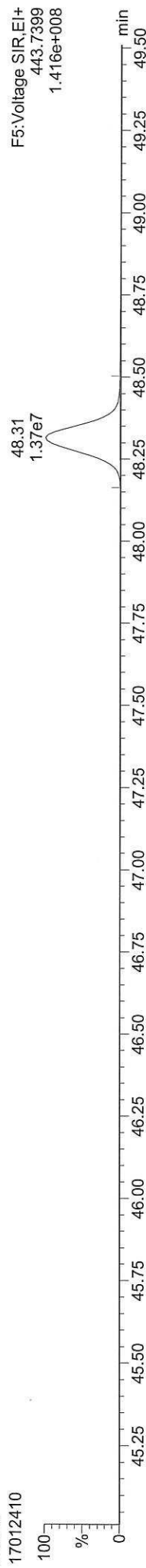
F1: Voltage SIR, EI+  
327.8847  
6.448e+007

OCDF



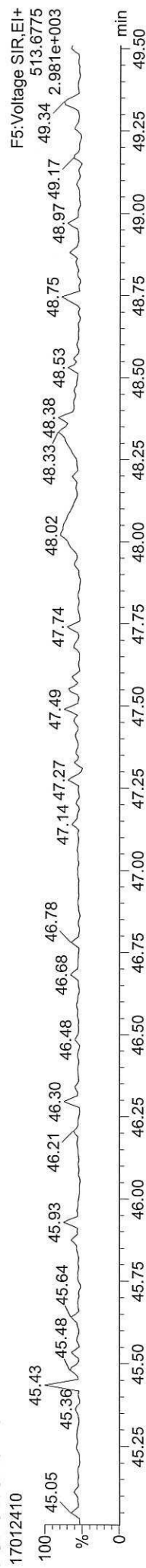
F5: Voltage SIR, EI+  
441.7428  
1.269e+008

OCDF



F5: Voltage SIR, EI+  
443.7399  
1.416e+008

FUNCTION5 DCDPE



F5: Voltage SIR, EI+  
513.6775  
2.981e+003

Quantify Sample Summary Report MassLynx MassLynx V4.1 SCN909

Dataset: C:\MassLynx\Dioxin.pro\170124ICV.H.qld  
 Last Altered: Wednesday, January 25, 2017 10:17:18 Pacific Standard Time  
 Printed: Wednesday, January 25, 2017 10:17:49 Pacific Standard Time

Method: C:\MassLynx\Dioxin.pro\MethDB\Dioxin170112.mdb 12 Jan 2017 14:01:03  
 Calibration: C:\MassLynx\Dioxin.pro\CurveDB\170124ICAL.cdb 25 Jan 2017 09:33:34

ID: ICV, Name: 17012411, Date: 24-Jan-2017, Time: 21:57:32, Conditions: AUTOSPEC01, User: pk

Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	pg
2378-TCDF	26.512	1.001	1.04e5	1.34e5	0.924	0.781	0.770	1386	1679	1.58e6	1.96e6	1143.4	NO	10.974
12378-PeCDF	30.678	1.001	6.08e5	3.83e5	0.954	1.587	1.550	3631	2527	9.10e6	5.78e6	2506.8	NO	54.368
23478-PeCDF	32.027	1.001	5.92e5	3.87e5	0.966	1.531	1.550	3631	2527	8.88e6	5.72e6	2446.4	NO	54.283
123478-HxCDF	35.721	1.001	4.77e5	3.88e5	1.141	1.230	1.240	2759	3534	7.07e6	5.77e6	2563.2	NO	52.253
234678-HxCDF	36.806	1.000	4.74e5	3.79e5	1.181	1.252	1.240	2759	3534	7.10e6	5.80e6	2571.7	NO	54.526
123678-HxCDF	35.863	1.000	5.04e5	4.04e5	1.089	1.245	1.240	2759	3534	7.35e6	6.05e6	2663.6	NO	53.511
123789-HxCDF	37.924	1.000	3.67e5	3.00e5	1.110	1.224	1.240	2759	3534	5.74e6	4.73e6	2079.6	NO	55.722
1234678-HpCDF	40.039	1.001	4.13e5	3.92e5	1.267	1.054	1.050	2068	2979	5.85e6	5.59e6	2830.4	NO	56.009
1234789-HpCDF	42.813	1.000	2.65e5	2.56e5	1.295	1.034	1.050	2068	2979	3.24e6	3.15e6	1566.9	NO	55.317
OCDF	48.298	1.007	3.35e5	3.65e5	1.067	0.919	0.890	1349	1783	3.25e6	3.55e6	2408.5	NO	105.195
2378-TCDD	27.154	1.001	7.02e4	9.35e4	1.150	0.751	0.770	1053	863	1.04e6	1.38e6	987.8	NO	10.590
12378-PeCDD	32.278	1.001	3.72e5	2.39e5	1.017	1.554	1.550	2749	1774	5.70e6	3.61e6	2075.0	NO	53.684
123478-HxCDD	36.948	1.001	3.42e5	2.66e5	1.017	1.286	1.240	2610	1853	5.09e6	3.99e6	1951.1	NO	54.871
123678-HxCDD	37.069	1.000	3.29e5	2.73e5	0.964	1.202	1.240	2610	1853	4.88e6	3.90e6	1870.2	NO	54.363
123789-HxCDD	37.496	1.012	3.19e5	2.55e5	0.948	1.245	1.240	2610	1853	4.81e6	3.93e6	1844.0	NO	54.046
1234678-HpCDD	41.903	1.001	2.47e5	2.36e5	1.051	1.044	1.050	2376	2214	3.16e6	3.02e6	1332.0	NO	54.372
OCDD	48.002	1.000	3.23e5	3.59e5	1.030	0.898	0.890	1980	1677	3.12e6	3.48e6	1575.2	NO	106.165
13C-2378-TCDF	26.497	1.007	1.03e6	1.31e6	1.515	0.783	0.770	4795	2298	1.52e7	1.91e7	3164.7	NO	98.050
13C-12378-PeCDF	30.656	1.165	1.16e6	7.47e5	1.276	1.561	1.550	4453	2578	1.74e7	1.13e7	3900.6	NO	94.908
13C-23478-PeCDF	32.005	1.216	1.14e6	7.22e5	1.257	1.585	1.550	4453	2578	1.72e7	1.09e7	3856.2	NO	94.082
13C-123478-HxCDF	35.699	0.953	4.94e5	9.57e5	1.431	0.516	0.510	2062	2488	7.54e6	1.45e7	3657.3	NO	102.226
13C-123678-HxCDF	35.852	0.957	5.27e5	1.03e6	1.552	0.511	0.510	2062	2488	7.71e6	1.49e7	3738.6	NO	101.227
13C-234678-HxCDF	36.795	0.982	4.53e5	8.71e5	1.349	0.520	0.510	2062	2488	6.80e6	1.31e7	3298.5	NO	99.000
13C-123789-HxCDF	37.913	1.012	3.65e5	7.13e5	1.111	0.511	0.510	2062	2488	5.68e6	1.11e7	2756.6	NO	97.792
13C-1234678-HpCDF	40.017	1.068	3.54e5	7.80e5	1.160	0.453	0.440	1604	2932	5.08e6	1.13e7	3165.2	NO	98.592
13C-1234789-HpCDF	42.802	1.142	2.24e5	5.04e5	0.758	0.444	0.440	1604	2932	2.71e6	6.14e6	1689.4	NO	96.771
13C-1234-TCDD	26.317	0.000	7.03e5	8.75e5	1.000	0.803	0.770	2350	1324	1.05e7	1.31e7	4457.7	NO	100.000
13C-2378-TCDD	27.124	1.031	5.86e5	7.59e5	0.872	0.772	0.770	2350	1324	8.43e6	1.08e7	3587.0	NO	97.670
13C-2378-PeCDD	32.257	1.226	6.82e5	4.37e5	0.754	1.560	1.550	1137	907	1.03e7	6.65e6	9024.6	NO	94.032
13C-123478-HxCDD	36.926	0.985	6.13e5	4.78e5	1.106	1.282	1.240	2139	1291	9.29e6	7.29e6	4344.0	NO	99.398
13C-123678-HxCDD	37.058	0.989	6.37e5	5.09e5	1.165	1.251	1.240	2139	1291	9.47e6	7.63e6	4426.6	NO	99.262
13C-1234678-HpCDD	41.881	1.118	4.35e5	4.10e5	0.872	1.062	1.050	2127	1988	5.79e6	5.44e6	2723.4	NO	97.696
13C-OCDD	47.984	1.280	5.89e5	6.58e5	0.655	0.896	0.890	1843	2200	5.71e6	6.37e6	3096.5	NO	191.922

Quantify Sample Summary Report MassLynx MassLynx V4.1 SCN909

Dataset: C:\MassLynx\DIoxin.pro\170124\ICV\IH.qld

Last Altered: Wednesday, January 25, 2017 10:17:18 Pacific Standard Time

Printed: Wednesday, January 25, 2017 10:17:49 Pacific Standard Time

ID: ICV, Name: 17012411, Date: 24-Jan-2017, Time: 21:57:32, Conditions: AUTOSPEC01, User: pk

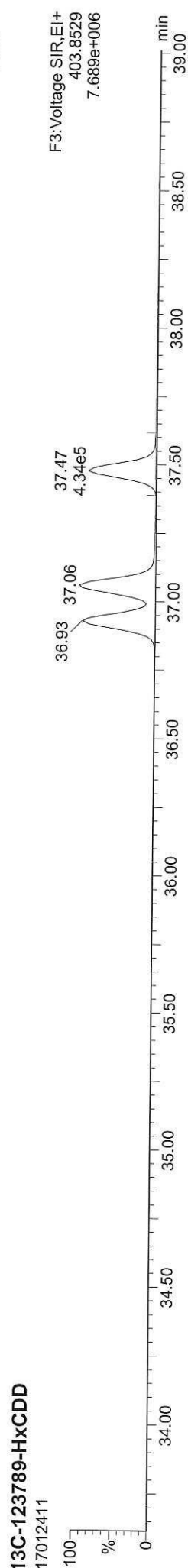
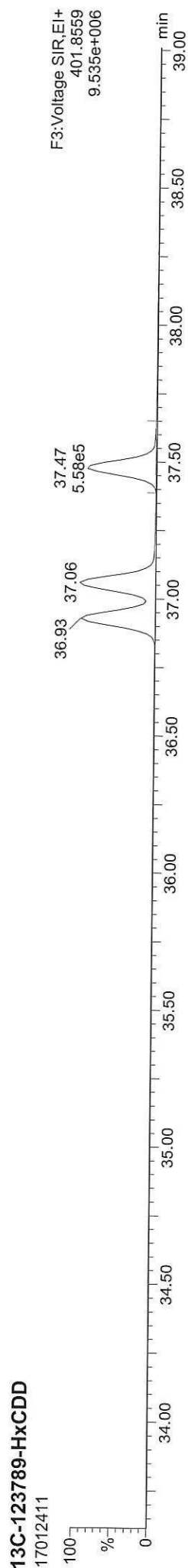
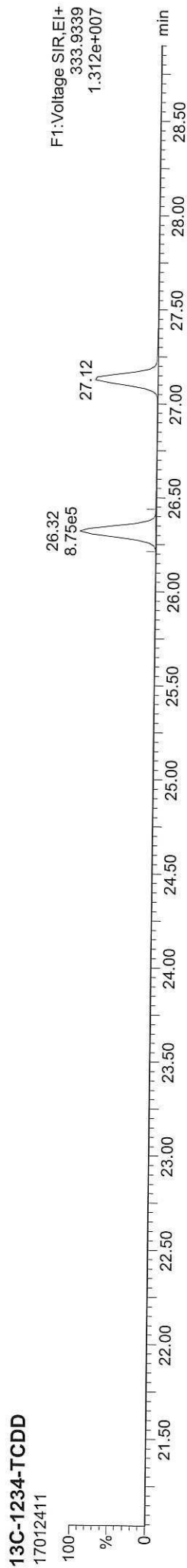
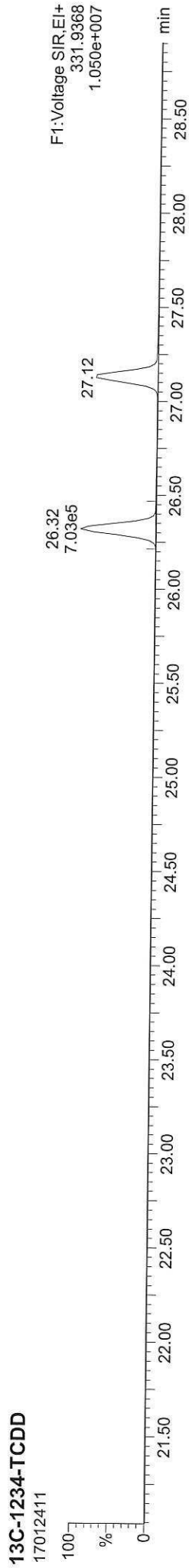
Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	pg
13C-123789-HxCDD	37.474	0.000	5.58e5	4.34e5	1.000	1.284	1.240	2139	1291	8.66e6	6.79e6	4046.7	NO	100.000
Total-tetrafurans			3.12e5		0.924			1386		4.63e6				32.924
Total-penta1			6.74e5					890		9.65e6				64.649
Total-pentafurans			1.77e6		0.960			3631		2.62e7				159.535
Total-hexafurans			2.37e6		1.130			2759		3.53e7				280.124
Total-heptafurans			6.79e5		1.281			2068		9.13e6				111.591
Total-Furans			6.13e6		1.100			1386		8.81e7				754.035
Total-tetra-dioxins			3.90e5		1.150			1053		4.89e6				57.524
Total-penta-dioxins			1.28e6		1.017			2749		1.65e7				185.218
Total-hexa-dioxins			1.42e6		0.977			2610		2.13e7				234.748
Total-hepta-dioxins			5.24e5		1.051			2376		7.17e6				116.121
Total-Dioxins			3.94e6		1.025			1053		5.30e7				699.776
Total-TEQ			1.01e7					1053		1.41e8				1453.811
37CL-2378-TCDD	27.154	1.032	1.74e5		1.073			912		2.56e6		2807.3		10.251
FUNCTION1 PFK			7.29e5					340872		1.49e7				
FUNCTION2 PFK			2.25e5					114180		5.96e6				0.000
FUNCTION3 PFK			1.33e5					249759		1.95e6				0.000
FUNCTION4 PFK			1.58e5					244880		5.84e6				
FUNCTION5 PFK			2.37e5					180244		7.99e6				
FUNCTION1 HXCDPE			0.00e0					368		0.00e0				
FUNCTION1 HPCDPE			3.59e2					564		6.45e3				0.000
FUNCTION2 HPCDPE			8.52e2					439		1.58e4				0.000
FUNCTION3 OCDPE			0.00e0					251		0.00e0				
FUNCTION4 NCDPE			0.00e0					466		0.00e0				
FUNCTION5 DCDPE			0.00e0					231		0.00e0				

Quantify Sample Report MassLynx MassLynx V4.1 SCN909

Dataset: C:\MassLynx\Dioxin.pro\170124ICV\H.qld  
Last Altered: Wednesday, January 25, 2017 10:17:18 Pacific Standard Time  
Printed: Wednesday, January 25, 2017 10:17:49 Pacific Standard Time

Method: C:\MassLynx\Dioxin.pro\MethDB\Dioxin170112.mdb 12 Jan 2017 14:01:03  
Calibration: C:\MassLynx\Dioxin.pro\CurveDB\170124ICAL.cdb 25 Jan 2017 09:33:34

ID: ICV, Name: 17012411, Date: 24-Jan-2017, Time: 21:57:32, Conditions: AUTOSPEC01, User: pk





Quantify Sample Report

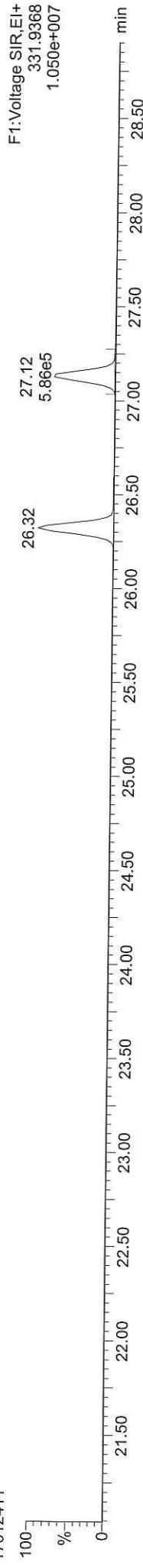
MassLynx MassLynx V4.1 SCN909

Dataset: C:\MassLynx\DIoxin.pro\170124\CVI.H.qld  
Last Altered: Wednesday, January 25, 2017 10:17:18 Pacific Standard Time  
Printed: Wednesday, January 25, 2017 10:17:49 Pacific Standard Time

ID: ICV, Name: 17012411, Date: 24-Jan-2017, Time: 21:57:32, Conditions: AUTOSPEC01, User: pk

13C-2378-TCDD

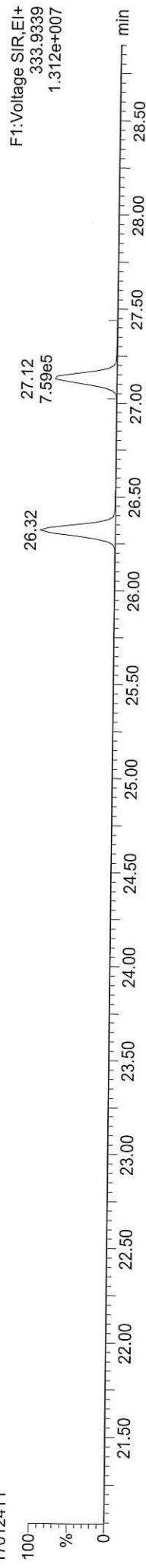
17012411



F1:Voltage SIR,EI+  
331.9368  
1.050e+007

13C-2378-TCDD

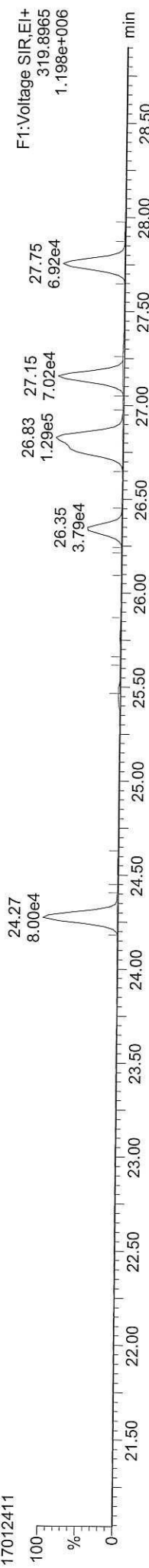
17012411



F1:Voltage SIR,EI+  
333.9339  
1.312e+007

Total-tetradoxins

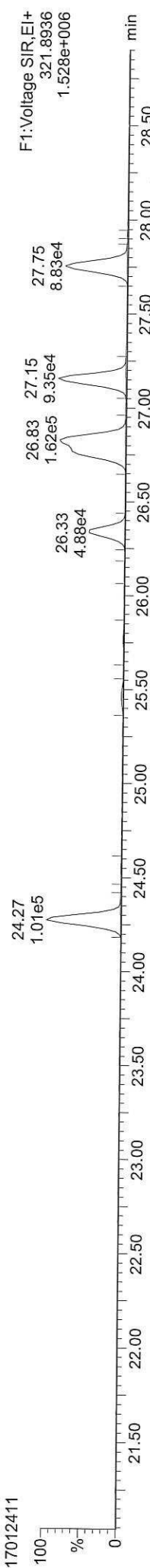
17012411



F1:Voltage SIR,EI+  
319.8965  
1.198e+006

Total-tetradoxins

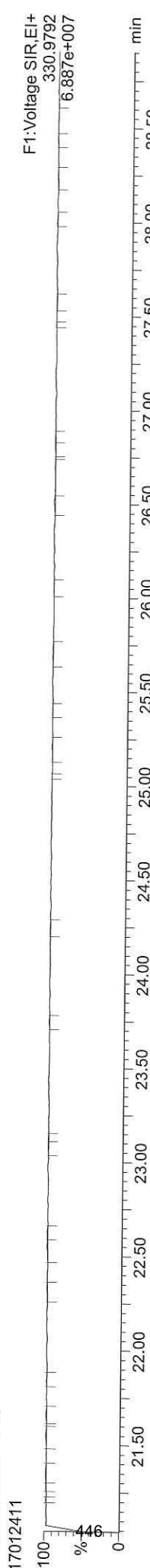
17012411



F1:Voltage SIR,EI+  
321.8936  
1.528e+006

FUNCTION1 PFK

17012411



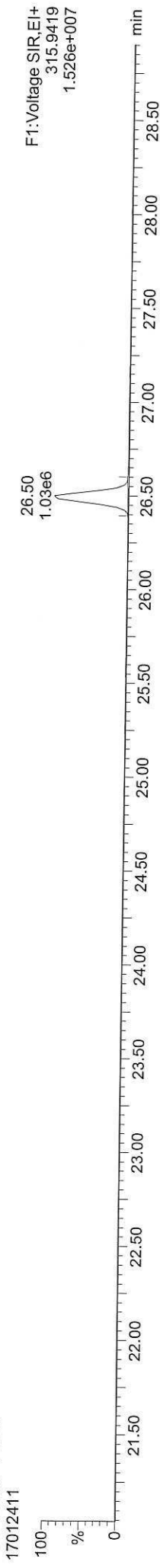
F1:Voltage SIR,EI+  
330.9792  
6.887e+007

Quantify Sample Report

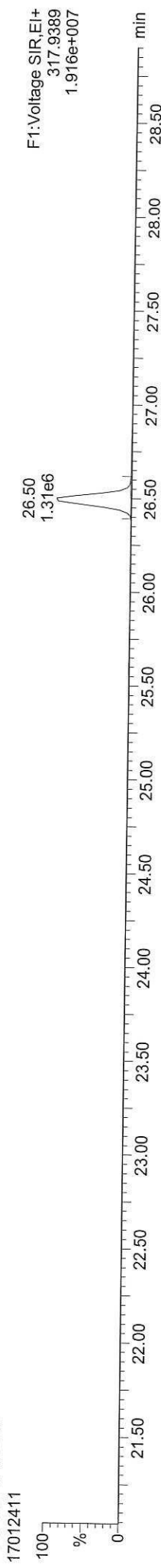
MassLynx MassLynx V4.1 SCN909  
Dataset: C:\MassLynx\DIoxin.pro\170124\CVI.H.qld  
Last Altered: Wednesday, January 25, 2017 10:17:18 Pacific Standard Time  
Printed: Wednesday, January 25, 2017 10:17:49 Pacific Standard Time

ID: ICV, Name: 17012411, Date: 24-Jan-2017, Time: 21:57:32, Conditions: AUTOSPEC01, User: pk

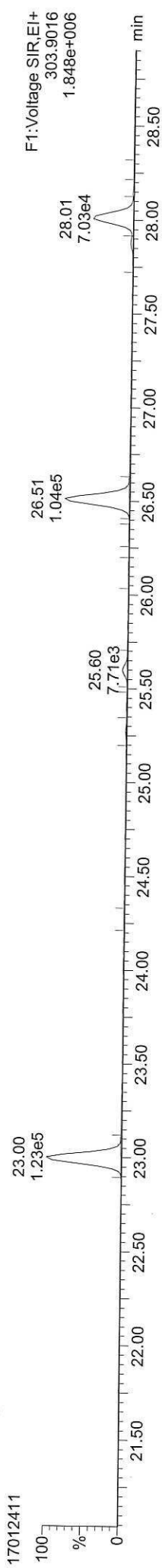
13C-2378-TCDF



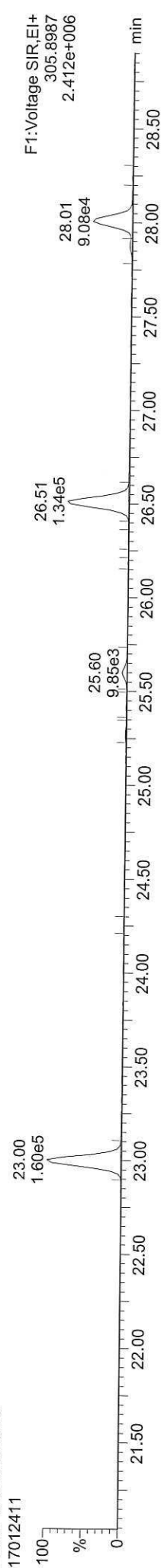
13C-2378-TCDF



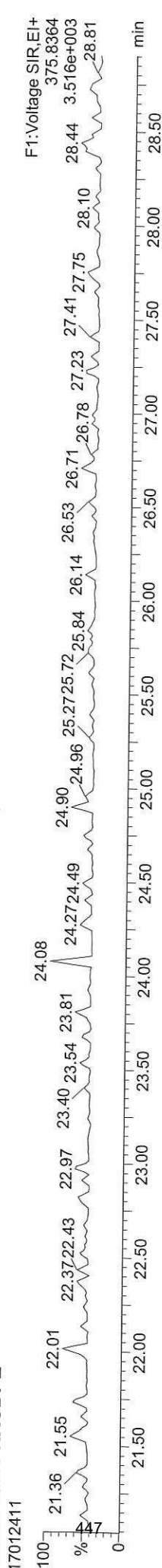
Total-tetrafurans



Total-tetrafurans



FUNCTION1 HXCDPE

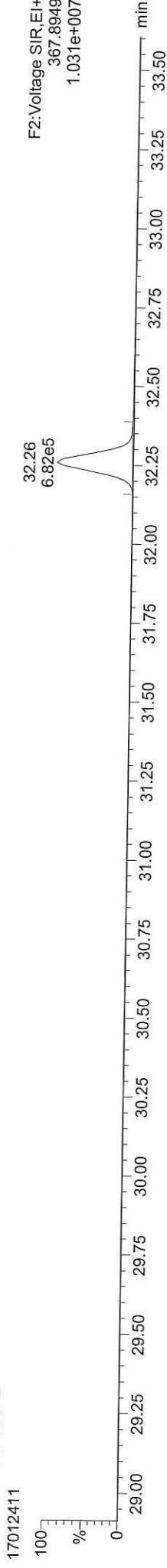


**Quantify Sample Report** MassLynx MassLynx V4.1 SCN909

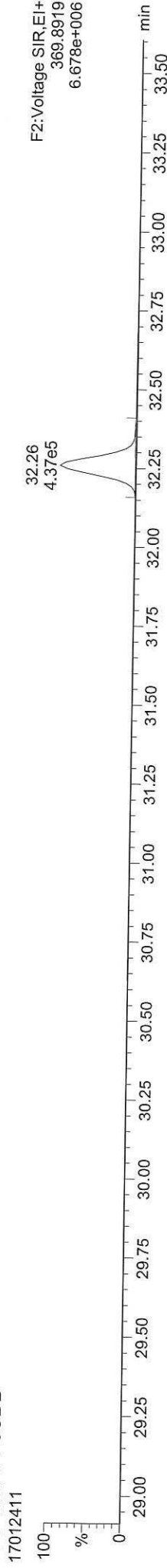
Dataset: C:\MassLynx\DIoxin.pro\170124\CVI.H.qld  
Last Altered: Wednesday, January 25, 2017 10:17:18 Pacific Standard Time  
Printed: Wednesday, January 25, 2017 10:17:49 Pacific Standard Time

**ID: ICV, Name: 17012411, Date: 24-Jan-2017, Time: 21:57:32, Conditions: AUTOSPEC01, User: pk**

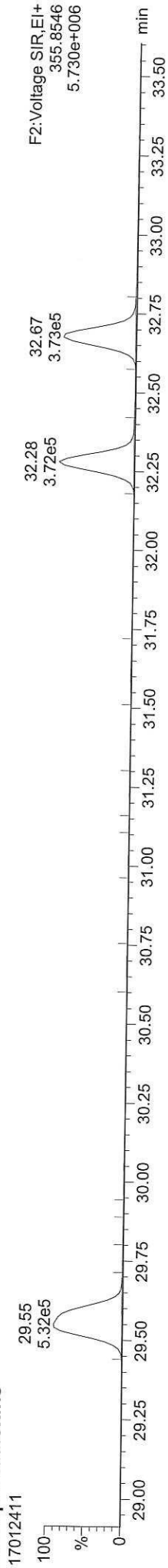
**13C-12378-PeCDD**



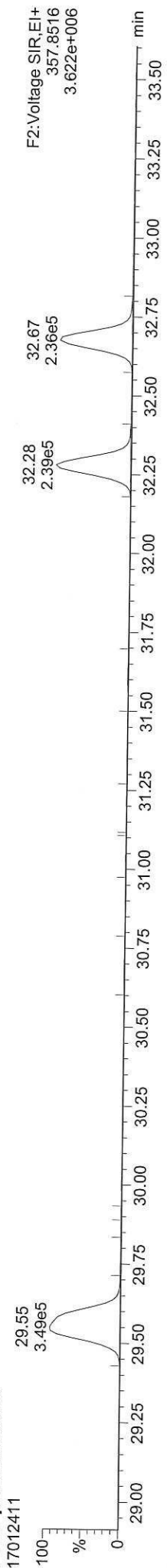
**13C-12378-PeCDD**



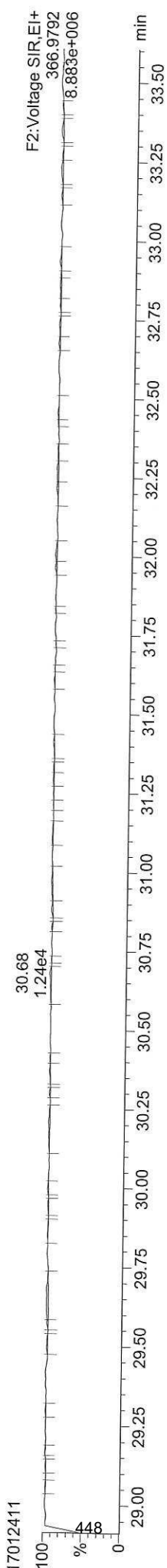
**Total-pentadioxins**



**Total-pentadioxins**



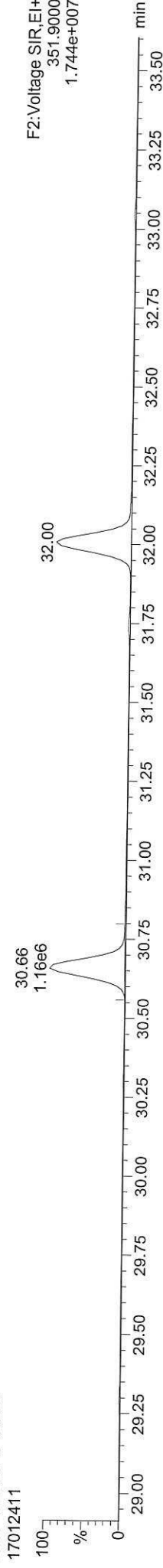
**FUNCTION2 PFK**



Dataset: C:\MassLynx\DIoxin.pro\170124\CVI.H.qld  
Last Altered: Wednesday, January 25, 2017 10:17:18 Pacific Standard Time  
Printed: Wednesday, January 25, 2017 10:17:49 Pacific Standard Time

ID: ICV, Name: 17012411, Date: 24-Jan-2017, Time: 21:57:32, Conditions: AUTOSPEC01, User: pk

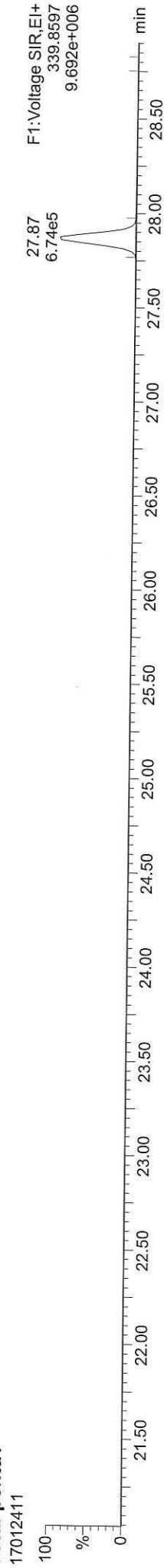
13C-12378-PeCDF



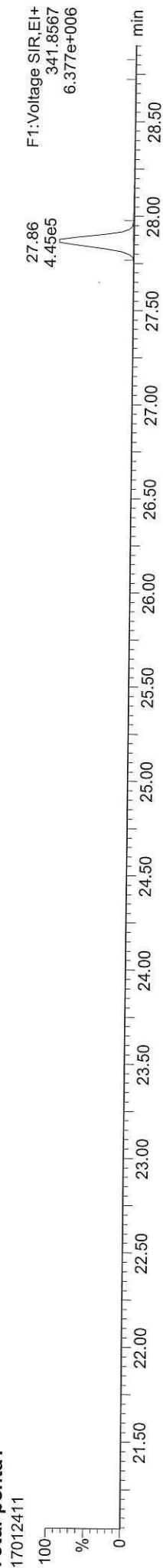
13C-12378-PeCDF



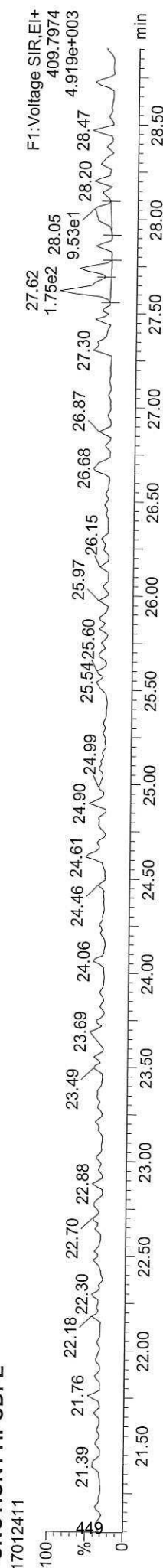
Total-penta1



Total-penta1



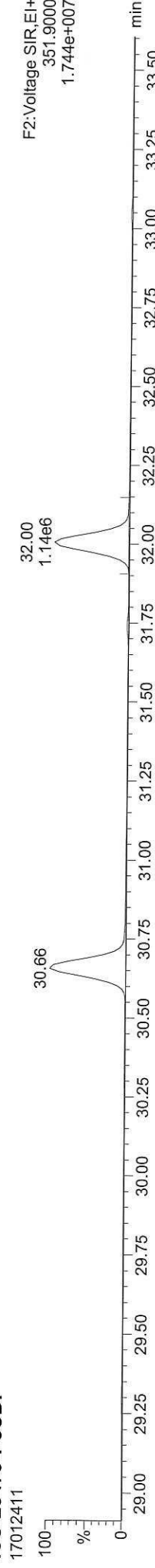
FUNCTION1 HPCDPE



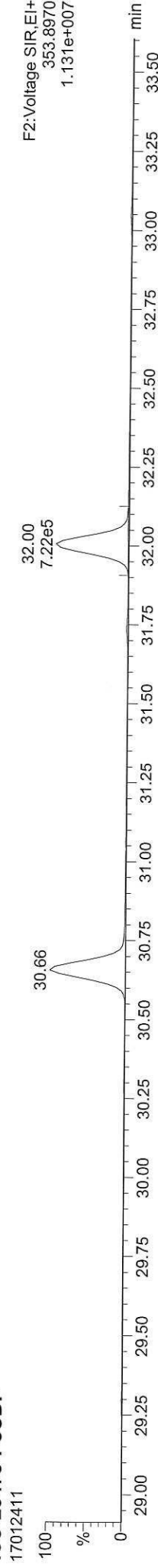
Dataset: C:\MassLynx\Dioxin.pro\170124\CVI.H.qld  
Last Altered: Wednesday, January 25, 2017 10:17:18 Pacific Standard Time  
Printed: Wednesday, January 25, 2017 10:17:49 Pacific Standard Time

ID: ICV, Name: 17012411, Date: 24-Jan-2017, Time: 21:57:32, Conditions: AUTOSPEC01, User: pk

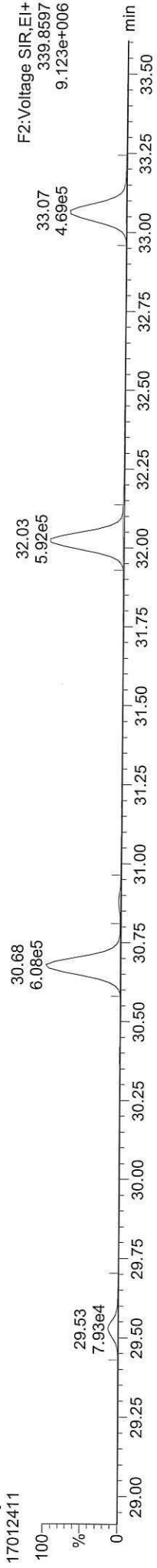
13C-23478-PeCDF



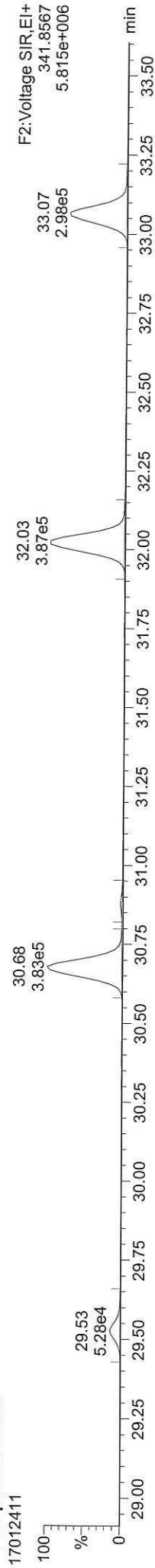
13C-23478-PeCDF



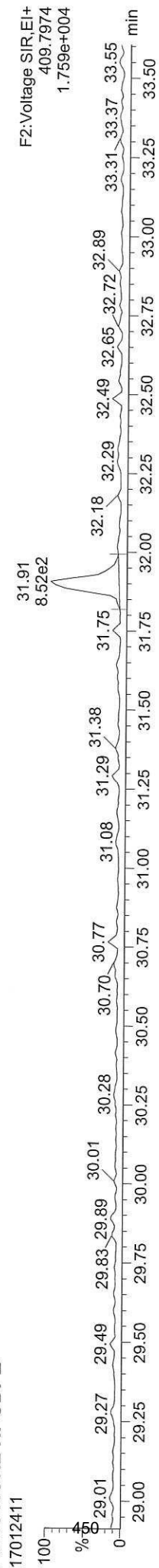
Total-pentafurans



Total-pentafurans



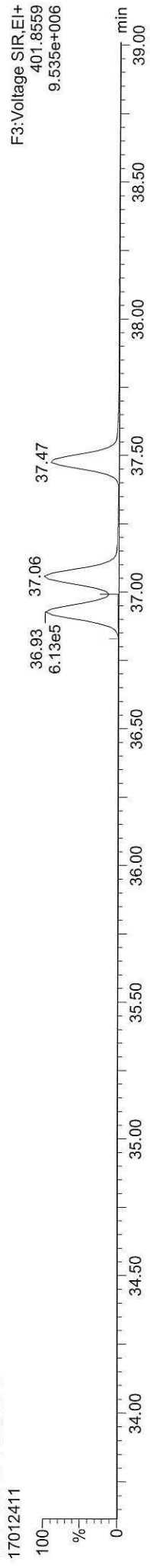
FUNCTION2 HPCDPE



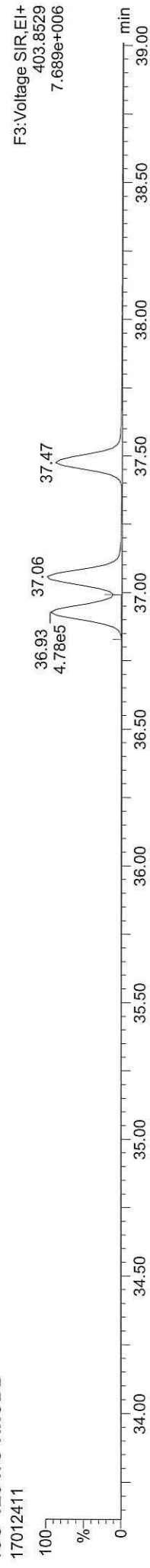
Dataset: C:\MassLynx\Dioxin.pro\1701241C\VIH.qld  
Last Altered: Wednesday, January 25, 2017 10:17:18 Pacific Standard Time  
Printed: Wednesday, January 25, 2017 10:17:49 Pacific Standard Time

ID: ICV, Name: 17012411, Date: 24-Jan-2017, Time: 21:57:32, Conditions: AUTOSPEC01, User: pk

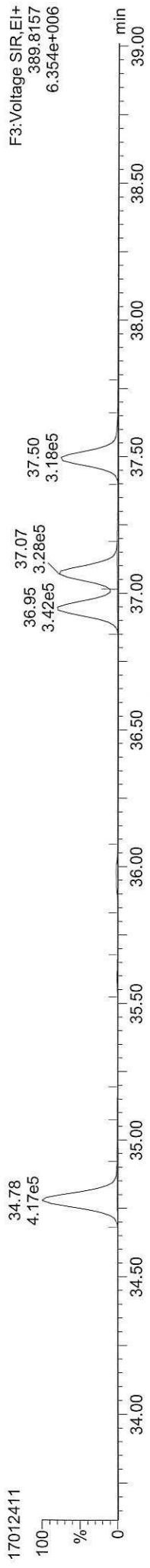
13C-123478-HxCDD



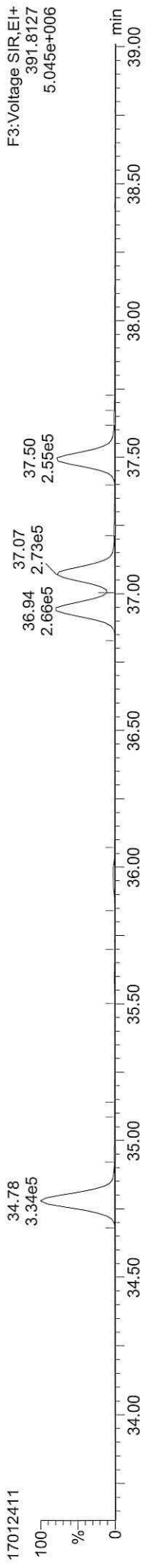
13C-123478-HxCDD



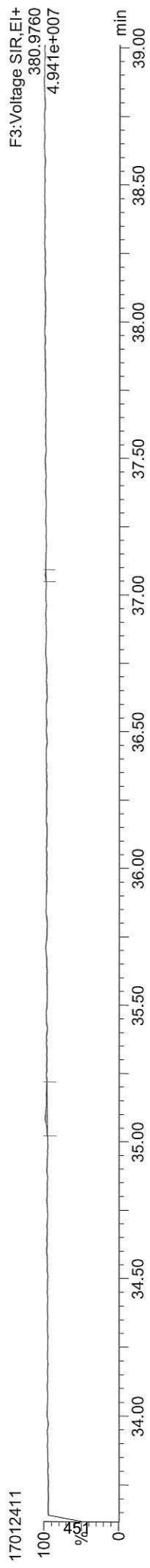
Total-hexadioxins



Total-hexadioxins



FUNCTION3 PFK



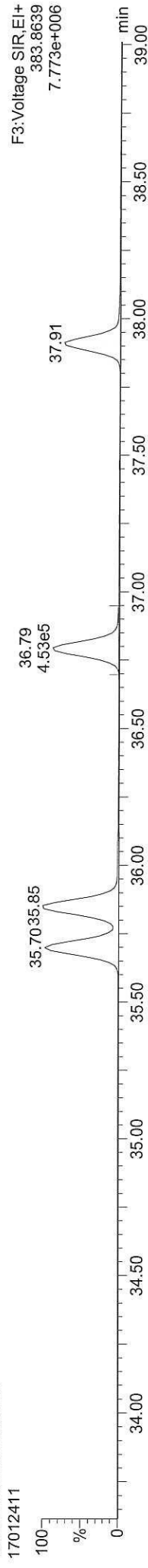
Dataset: C:\MassLynx\Dioxin.pro\170124\CVI.H.qld

Last Altered: Wednesday, January 25, 2017 10:17:18 Pacific Standard Time

Printed: Wednesday, January 25, 2017 10:17:49 Pacific Standard Time

ID: ICV, Name: 17012411, Date: 24-Jan-2017, Time: 21:57:32, Conditions: AUTOSPEC01, User: pk

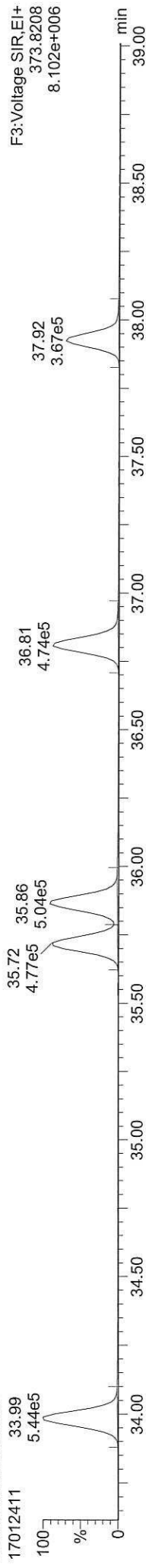
13C-234678-HxCDF



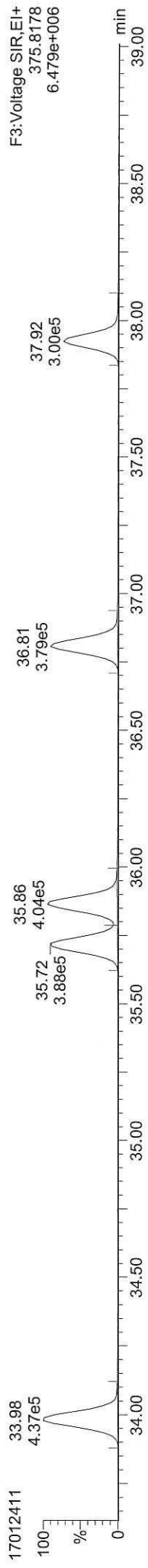
13C-234678-HxCDF



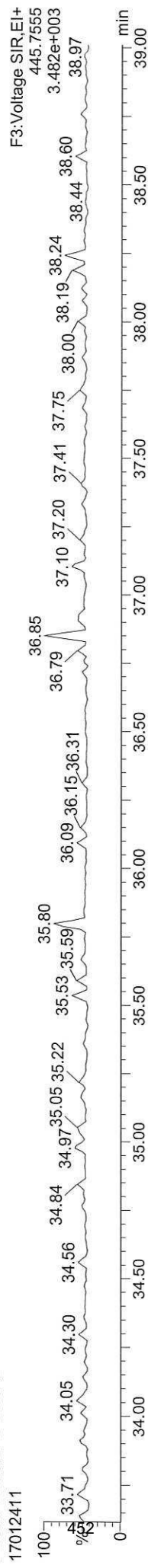
Total-hexafurans



Total-hexafurans



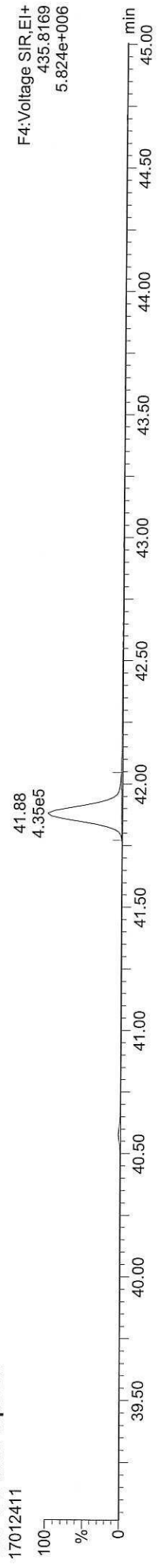
FUNCTION3 OCDPE



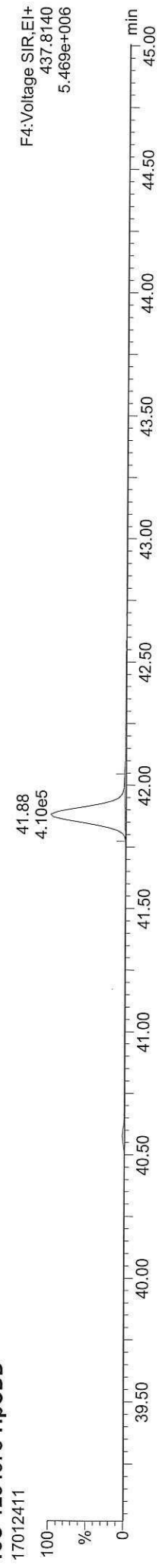
Dataset: C:\MassLynx\Dioxin.pro\170124\CVI.H.gld  
Last Altered: Wednesday, January 25, 2017 10:17:18 Pacific Standard Time  
Printed: Wednesday, January 25, 2017 10:17:49 Pacific Standard Time

ID: ICV, Name: 17012411, Date: 24-Jan-2017, Time: 21:57:32, Conditions: AUTOSPEC01, User: pk

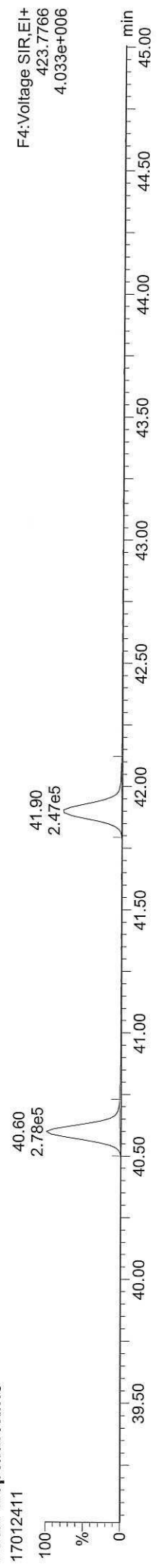
**13C-1234678-HpCDD**



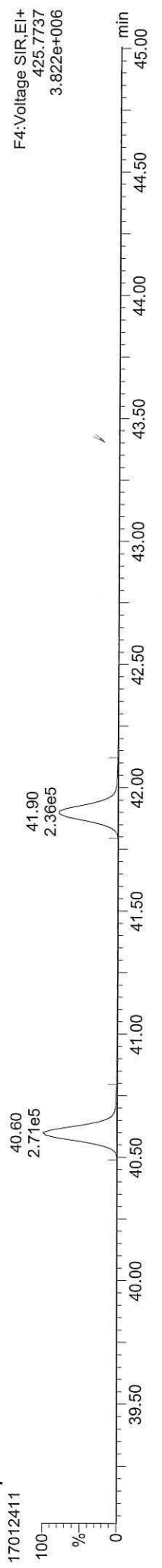
**13C-1234678-HpCDD**



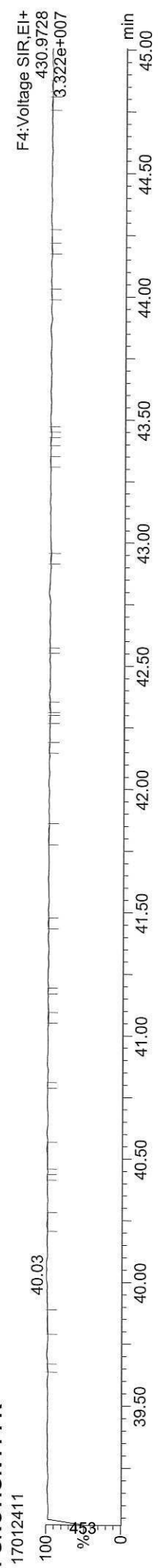
**Total-heptadioxins**



**Total-heptadioxins**



**FUNCTION4 PFK**



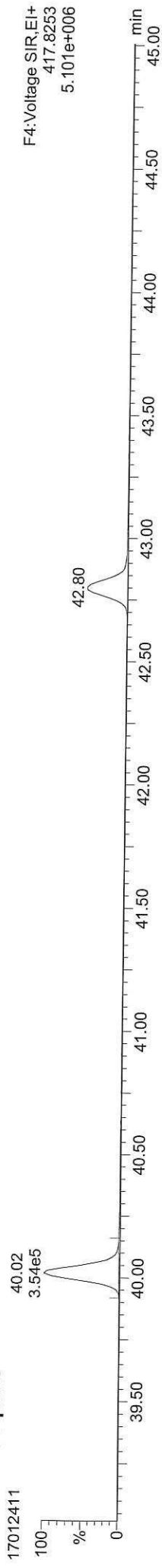


Quantify Sample Report MassLynx MassLynx V4.1 SCN909

Dataset: C:\MassLynx\Dioxin.pro\1701241C\VIH.qld  
Last Altered: Wednesday, January 25, 2017 10:17:18 Pacific Standard Time  
Printed: Wednesday, January 25, 2017 10:17:49 Pacific Standard Time

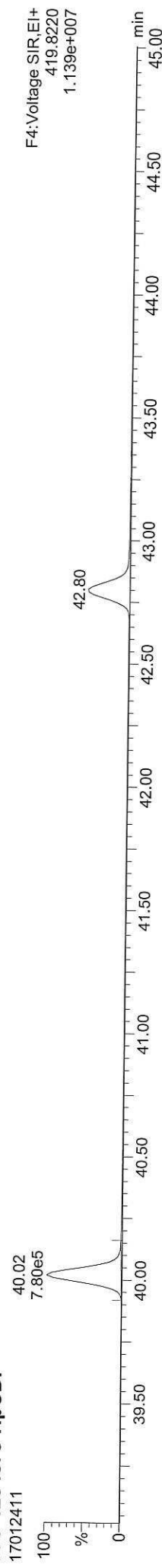
ID: ICV, Name: 17012411, Date: 24-Jan-2017, Time: 21:57:32, Conditions: AUTOSPEC01, User: pk

13C-1234678-HpCDF



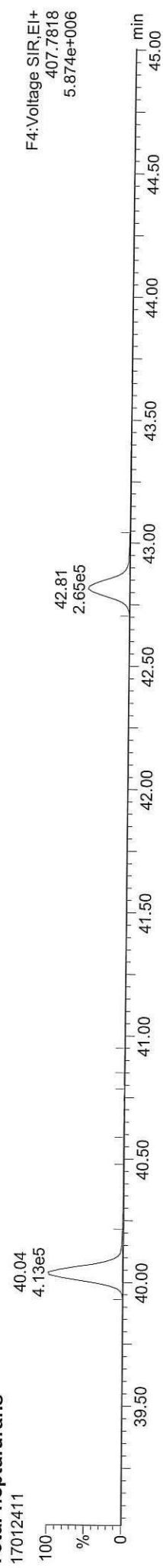
F4: Voltage SIR, EI+  
417.8253  
5.101e+006

13C-1234678-HpCDF



F4: Voltage SIR, EI+  
419.8220  
1.139e+007

Total-heptafulurans



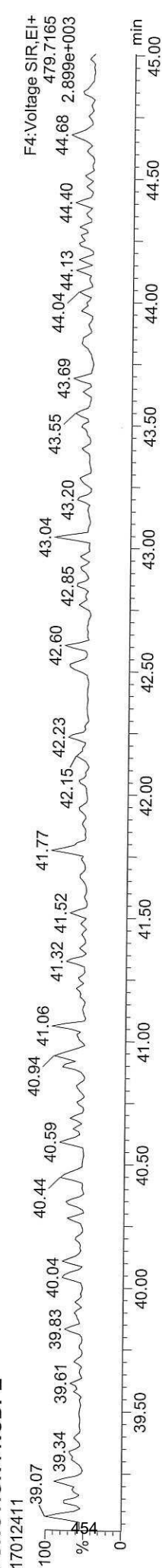
F4: Voltage SIR, EI+  
407.7818  
5.874e+006

Total-heptafulurans



F4: Voltage SIR, EI+  
409.7788  
5.611e+006

FUNCTION4 NCDPE



F4: Voltage SIR, EI+  
479.7165  
44.68 2.899e+003

Dataset: C:\MassLynx\Dioxin.pro\170124\CVI.H.qld

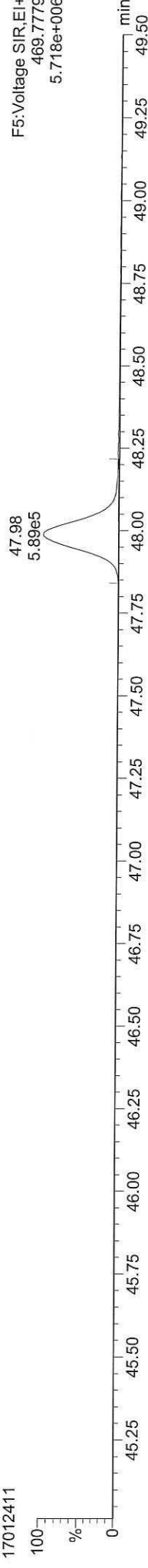
Last Altered: Wednesday, January 25, 2017 10:17:18 Pacific Standard Time

Printed: Wednesday, January 25, 2017 10:17:49 Pacific Standard Time

ID: ICV, Name: 17012411, Date: 24-Jan-2017, Time: 21:57:32, Conditions: AUTOSPEC01, User: pk

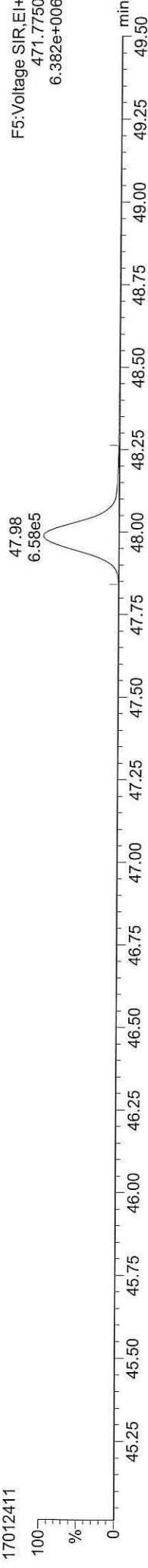
13C-OCDD

17012411



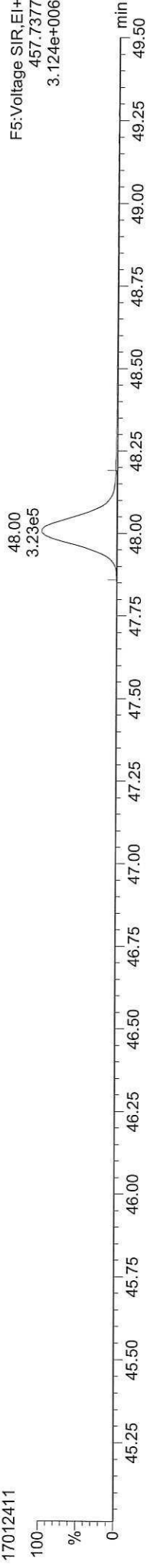
13C-OCDD

17012411



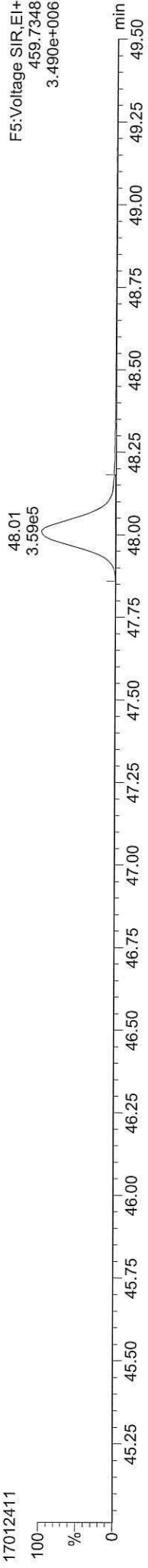
OCDD

17012411



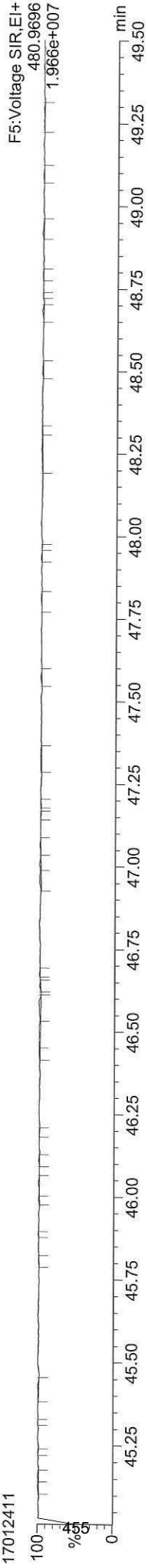
OCDD

17012411



FUNCTION5 PFK

17012411



Quantify Sample Report MassLynx MassLynx V4.1 SCN909

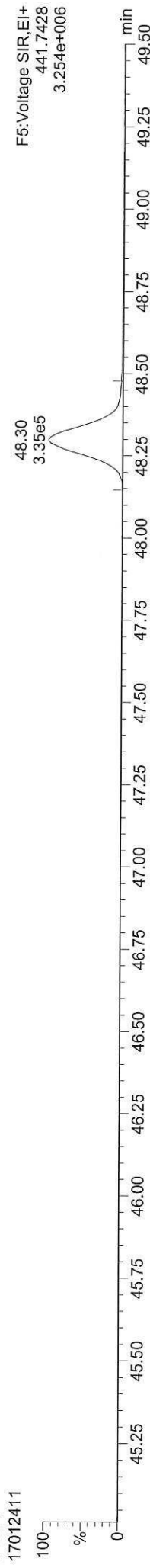
Dataset: C:\MassLynx\Dioxin.pro\170124\CVI.H.gld  
Last Altered: Wednesday, January 25, 2017 10:17:18 Pacific Standard Time  
Printed: Wednesday, January 25, 2017 10:17:49 Pacific Standard Time

ID: ICV, Name: 17012411, Date: 24-Jan-2017, Time: 21:57:32, Conditions: AUTOSPEC01, User: pk

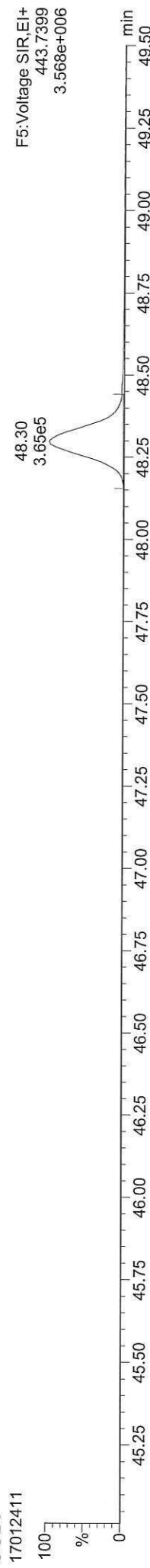
37CL-2378-TCDD



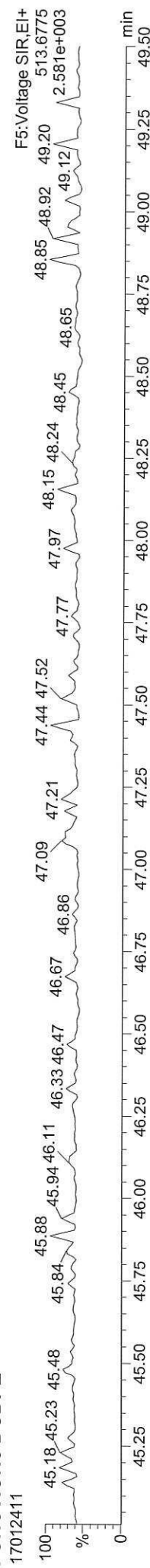
OCDF



OCDF



FUNCTION5 DCDPE



## SECOND-SOURCE CALIBRATION VERIFICATION

**EPA 1613B**

**Laboratory:** Analytical Resources, Inc.

**SDG:** 17A0053

**Client:** Anchor QEA, LLC

**Project:** Port Gamble Shellfish Monitoring

**Calibration:** AA00071

**Laboratory ID:** SFA0265-SCV1

**Sequence:** SFA0265

**Sequence Name:** ICV

**Standard ID:** E000002

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
2,3,7,8-TCDF	10.000	11.0	9.7	20.00
2,3,7,8-TCDD	10.000	10.6	5.9	20.00
1,2,3,7,8-PeCDF	50.000	54.4	8.7	20.00
2,3,4,7,8-PeCDF	50.000	54.3	8.6	20.00
1,2,3,7,8-PeCDD	50.000	53.7	7.4	20.00
1,2,3,4,7,8-HxCDF	50.000	52.3	4.5	20.00
1,2,3,6,7,8-HxCDF	50.000	53.5	7.0	20.00
2,3,4,6,7,8-HxCDF	50.000	54.5	9.1	20.00
1,2,3,7,8,9-HxCDF	50.000	55.7	11.4	20.00
1,2,3,4,7,8-HxCDD	50.000	54.9	9.7	20.00
1,2,3,6,7,8-HxCDD	50.000	54.4	8.7	20.00
1,2,3,7,8,9-HxCDD	50.000	54.0	8.1	20.00
1,2,3,4,6,7,8-HpCDF	50.000	56.0	12.0	20.00
1,2,3,4,7,8,9-HpCDF	50.000	55.3	10.6	20.00
1,2,3,4,6,7,8-HpCDD	50.000	54.4	8.7	20.00
OCDF	100.00	105	5.2	20.00
OCDD	100.00	106	6.2	20.00
13C12-2,3,7,8-TCDF	100.00	98.0	-2.0	20.00
13C12-2,3,7,8-TCDD	100.00	97.7	-2.3	20.00
13C12-1,2,3,7,8-PeCDF	100.00	94.9	-5.1	20.00
13C12-2,3,4,7,8-PeCDF	100.00	94.1	-5.9	20.00
13C12-1,2,3,7,8-PeCDD	100.00	94.0	-6.0	20.00
13C12-1,2,3,4,7,8-HxCDF	100.00	102	2.2	20.00
13C12-1,2,3,6,7,8-HxCDF	100.00	101	1.2	20.00
13C12-2,3,4,6,7,8-HxCDF	100.00	99.0	-1.0	20.00
13C12-1,2,3,7,8,9-HxCDF	100.00	97.8	-2.2	20.00
13C12-1,2,3,4,7,8-HxCDD	100.00	99.4	-0.6	20.00
13C12-1,2,3,6,7,8-HxCDD	100.00	99.3	-0.7	20.00
13C12-1,2,3,4,6,7,8-HpCDF	100.00	98.6	-1.4	20.00
13C12-1,2,3,4,7,8,9-HpCDF	100.00	96.8	-3.2	20.00
13C12-1,2,3,4,6,7,8-HpCDD	100.00	97.7	-2.3	20.00
13C12-OCDD	200.00	192	-4.0	20.00
37C14-2,3,7,8-TCDD	10.000	10.3	2.5	20.00

\* Indicates values outside of QC limits



## SECOND-SOURCE CALIBRATION VERIFICATION

EPA 1613B

**Laboratory:** Analytical Resources, Inc.

**SDG:** 17A0053

**Client:** Anchor QEA, LLC

**Project:** Port Gamble Shellfish Monitoring

**Calibration:** AA00071

**Laboratory ID:** SFA0265-SCV1

**Sequence:** SFA0265

**Standard ID:** E000002

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
OCDF	100.00	105	5.2	20.00
OCDD	100.00	106	6.2	20.00
13C12-2,3,7,8-TCDF	100.00	98.0	-2.0	20.00
13C12-2,3,7,8-TCDD	100.00	97.7	-2.3	20.00
13C12-1,2,3,7,8-PeCDF	100.00	94.9	-5.1	20.00
13C12-2,3,4,7,8-PeCDF	100.00	94.1	-5.9	20.00
13C12-1,2,3,7,8-PeCDD	100.00	94.0	-6.0	20.00
13C12-1,2,3,4,7,8-HxCDF	100.00	102	2.2	20.00
13C12-1,2,3,6,7,8-HxCDF	100.00	101	1.2	20.00
13C12-2,3,4,6,7,8-HxCDF	100.00	99.0	-1.0	20.00
13C12-1,2,3,7,8,9-HxCDF	100.00	97.8	-2.2	20.00
13C12-1,2,3,4,7,8-HxCDD	100.00	99.4	-0.6	20.00
13C12-1,2,3,6,7,8-HxCDD	100.00	99.3	-0.7	20.00
13C12-1,2,3,4,6,7,8-HpCDF	100.00	98.6	-1.4	20.00
13C12-1,2,3,4,7,8,9-HpCDF	100.00	96.8	-3.2	20.00
13C12-1,2,3,4,6,7,8-HpCDD	100.00	97.7	-2.3	20.00
13C12-OCDD	200.00	192	-4.0	20.00
37C14-2,3,7,8-TCDD	10.000	10.3	2.5	20.00

\* Values outside of QC limits



## INITIAL CALIBRATION CHECK EPA 1613B

Laboratory:	<u>Analytical Resources, Inc.</u>	SDG:	<u>17A0053</u>
Client:	<u>Anchor QEA, LLC</u>	Project:	<u>Port Gamble Shellfish Monitoring</u>
Instrument ID:	<u>AUTOSPEC01</u>	Calibration:	<u>AA00071</u>
Lab File ID:	<u>17020802</u>	Calibration Date:	<u>01/25/17 11:42</u>
Sequence:	<u>SFB0085</u>	Injection Date:	<u>02/08/17</u>
Lab Sample ID:	<u>SFB0085-ICV1</u>	Injection Time:	<u>11:22</u>
Sequence Name:	<u>CS301</u>		

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
2,3,7,8-TCDF	A	10.000	10.1	0.9244412	0.9356624		1.2	20
2,3,7,8-TCDD	A	10.000	9.79	1.1500690	1.1264420		-2.1	20
1,2,3,7,8-PeCDF	A	50.000	47.9	0.9538591	0.9139080		-4.2	20
2,3,4,7,8-PeCDF	A	50.000	49.4	0.9661353	0.9540333		-1.3	20
1,2,3,7,8-PeCDD	A	50.000	48.4	1.0171420	0.9852345		-3.1	20
1,2,3,4,7,8-HxCDF	A	50.000	50.1	1.1406820	1.1429330		0.2	20
1,2,3,6,7,8-HxCDF	A	50.000	50.2	1.0892170	1.0928910		0.3	20
2,3,4,6,7,8-HxCDF	A	50.000	49.4	1.1814840	1.1674890		-1.2	20
1,2,3,7,8,9-HxCDF	A	50.000	47.8	1.1099540	1.0606140		-4.4	20
1,2,3,4,7,8-HxCDD	A	50.000	50.5	1.0172780	1.0269380		0.9	20
1,2,3,6,7,8-HxCDD	A	50.000	51.7	0.9644562	0.9969918		3.4	20
1,2,3,7,8,9-HxCDD	A	50.000	52.7	0.9481378	1.0001160		5.5	20
1,2,3,4,6,7,8-HpCDF	A	50.000	48.9	1.2670090	1.2393890		-2.2	20
1,2,3,4,7,8,9-HpCDF	A	50.000	48.1	1.2951710	1.2465920		-3.8	20
1,2,3,4,6,7,8-HpCDD	A	50.000	49.2	1.0509220	1.0332580		-1.7	20
OCDF	A	100.00	110	1.0671380	1.1722570		9.9	20
OCDD	A	100.00	98.4	1.0297990	1.0129470		-1.6	20
13C12-2,3,7,8-TCDF	A	100.00	102	1.5145410	1.5505901		2.4	30
13C12-2,3,7,8-TCDD	A	100.00	104	0.8721411	0.9092620		4.3	30
13C12-1,2,3,7,8-PeCDF	A	100.00	104	1.2760880	1.3220501		3.6	30
13C12-2,3,4,7,8-PeCDF	A	100.00	111	1.2570200	1.4011039		11.5	30
13C12-1,2,3,7,8-PeCDD	A	100.00	110	0.7543716	0.8333051		10.5	30
13C12-1,2,3,4,7,8-HxCDF	A	100.00	94.8	1.4308690	1.3560537		-5.2	30
13C12-1,2,3,6,7,8-HxCDF	A	100.00	93.7	1.5517170	1.4544114		-6.3	30
13C12-2,3,4,6,7,8-HxCDF	A	100.00	96.1	1.3486910	1.2959697		-3.9	30
13C12-1,2,3,7,8,9-HxCDF	A	100.00	105	1.1112340	1.1655641		4.9	30
13C12-1,2,3,4,7,8-HxCDD	A	100.00	95.5	1.1060120	1.0567900		-4.5	30
13C12-1,2,3,6,7,8-HxCDD	A	100.00	94.5	1.1646380	1.1009230		-5.5	30
13C12-1,2,3,4,6,7,8-HpCDF	A	100.00	96.3	1.1595440	1.1169538		-3.7	30
13C12-1,2,3,4,7,8,9-HpCDF	A	100.00	113	0.7577241	0.8577487		13.2	30
13C12-1,2,3,4,6,7,8-HpCDD	A	100.00	103	0.8721821	0.9021652		3.4	30

\* Values outside of QC limits



**INITIAL CALIBRATION CHECK**  
**EPA 1613B**

Laboratory:	<u>Analytical Resources, Inc.</u>	SDG:	<u>17A0053</u>
Client:	<u>Anchor QEA, LLC</u>	Project:	<u>Port Gamble Shellfish Monitoring</u>
Instrument ID:	<u>AUTOSPEC01</u>	Calibration:	<u>AA00071</u>
Lab File ID:	<u>17020802</u>	Calibration Date:	<u>01/25/17 11:42</u>
Sequence:	<u>SFB0085</u>	Injection Date:	<u>02/08/17</u>
Lab Sample ID:	<u>SFB0085-ICV1</u>	Injection Time:	<u>11:22</u>
Sequence Name:	<u>CS301</u>		

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
13C12-OCDD	A	200.00	207	0.6553896	0.6781289		3.5	30
37C14-2,3,7,8-TCDD	A	10.000	10.3	1.0732750	1.1001365		2.5	

\* Values outside of QC limits

**Quantify Sample Summary Report**      **MassLynx MassLynx V4.1 SCN909**

Dataset: C:\MassLynx\Dioxin.pro\170208OP.qld

Last Altered: Wednesday, February 08, 2017 13:07:42 Pacific Standard Time

Printed: Wednesday, February 22, 2017 13:55:49 Pacific Standard Time

**Method:** C:\MassLynx\Dioxin.pro\MethDB\Dioxin170201.mdb 01 Feb 2017 14:00:04

**Calibration:** C:\MassLynx\Dioxin.pro\CurveDB\170124ICAL.cdb 25 Jan 2017 09:33:34

**ID:** CS301, **Name:** 17020802, **Date:** 08-Feb-2017, **Time:** 11:22:44, **Conditions:** AUTOSPEC01, **User:** PK

Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	pg
2378-TCDF	26.153	1.001	8.98e4	1.17e5	0.924	0.765	0.770	1114	1377	1.35e6	1.80e6	1208.9	NO	10.121
12378-PeCDF	30.306	1.001	5.18e5	3.45e5	0.954	1.504	1.550	3289	3091	7.64e6	5.07e6	2323.5	NO	47.906
23478-PeCDF	31.654	1.001	5.75e5	3.80e5	0.966	1.512	1.550	3289	3091	8.74e6	5.68e6	2656.2	NO	49.374
123478-HxCDF	35.337	1.001	4.70e5	3.84e5	1.141	1.224	1.240	3415	2828	7.22e6	5.86e6	2113.5	NO	50.099
234678-HxCDF	36.433	1.001	4.63e5	3.70e5	1.181	1.251	1.240	3415	2828	6.82e6	5.52e6	1996.6	NO	49.408
123678-HxCDF	35.479	1.001	4.85e5	3.91e5	1.089	1.242	1.240	3415	2828	7.22e6	5.80e6	2113.2	NO	50.169
123789-HxCDF	37.562	1.000	3.81e5	3.00e5	1.110	1.270	1.240	3415	2828	5.79e6	4.59e6	1695.8	NO	47.777
1234678-HpCDF	39.634	1.000	3.86e5	3.77e5	1.267	1.024	1.050	1942	2330	5.61e6	5.51e6	2888.7	NO	48.910
1234789-HpCDF	42.352	1.000	3.02e5	2.87e5	1.295	1.052	1.050	1942	2330	3.80e6	3.63e6	1959.0	NO	48.125
OCDF	47.668	1.006	4.12e5	4.64e5	1.067	0.887	0.890	2075	1576	4.08e6	4.58e6	1966.6	NO	109.850
2378-TCDD	26.796	1.001	6.29e4	8.34e4	1.150	0.755	0.770	1794	1999	9.02e5	1.20e6	502.6	NO	9.795
12378-PeCDD	31.906	1.001	3.59e5	2.28e5	1.017	1.575	1.550	2604	2387	5.39e6	3.40e6	2071.9	NO	48.432
123478-HxCDD	36.565	1.001	3.31e5	2.67e5	1.017	1.243	1.240	2431	1931	5.06e6	4.00e6	2081.8	NO	50.475
123678-HxCDD	36.685	1.000	3.32e5	2.73e5	0.964	1.217	1.240	2431	1931	4.97e6	4.06e6	2042.9	NO	51.687
123789-HxCDD	37.124	1.012	3.32e5	2.63e5	0.948	1.260	1.240	2431	1931	4.90e6	3.90e6	2015.2	NO	52.741
1234678-HpCDD	41.453	1.000	2.62e5	2.51e5	1.051	1.044	1.050	1609	1831	3.53e6	3.36e6	2192.4	NO	49.160
OCDD	47.390	1.000	3.52e5	4.05e5	1.030	0.868	0.890	2059	1391	3.62e6	4.11e6	1760.1	NO	98.364
13C-2378-TCDF	26.138	1.007	9.74e5	1.24e6	1.515	0.785	0.770	6952	3521	1.45e7	1.84e7	2082.6	NO	102.380
13C-12378-PeCDF	30.284	1.167	1.16e6	7.29e5	1.276	1.592	1.550	3918	3844	1.79e7	1.11e7	4559.6	NO	103.602
13C-23478-PeCDF	31.632	1.219	1.23e6	7.76e5	1.257	1.580	1.550	3918	3844	1.87e7	1.19e7	4775.5	NO	111.462
13C-123478-HxCDF	35.315	0.952	5.08e5	9.87e5	1.431	0.515	0.510	2379	3332	7.90e6	1.52e7	3320.2	NO	94.771
13C-123678-HxCDF	35.458	0.956	5.50e5	1.05e6	1.552	0.522	0.510	2379	3332	8.03e6	1.55e7	3374.1	NO	93.729
13C-234678-HxCDF	36.411	0.981	4.88e5	9.40e5	1.349	0.519	0.510	2379	3332	7.37e6	1.41e7	3096.6	NO	96.091
13C-123789-HxCDF	37.551	1.012	4.43e5	8.42e5	1.111	0.526	0.510	2379	3332	6.75e6	1.31e7	2835.5	NO	104.889
13C-1234678-HpCDF	39.623	1.068	3.79e5	8.52e5	1.160	0.445	0.440	2182	2261	5.54e6	1.23e7	2539.3	NO	96.327
13C-1234789-HpCDF	42.330	1.141	2.93e5	6.53e5	0.758	0.448	0.440	2182	2261	3.71e6	8.25e6	1698.4	NO	113.201
13C-1234-TCDD	25.959	0.000	6.36e5	7.92e5	1.000	0.803	0.770	2743	1680	9.48e6	1.20e7	3455.9	NO	100.000
13C-2378-TCDD	26.766	1.031	5.69e5	7.30e5	0.872	0.779	0.770	2743	1680	8.08e6	1.03e7	2944.0	NO	104.256
13C-2378-PeCDD	31.884	1.228	7.26e5	4.64e5	0.754	1.565	1.550	1684	1275	1.10e7	7.02e6	6533.1	NO	110.463
13C-123478-HxCDD	36.543	0.985	6.54e5	5.11e5	1.106	1.280	1.240	2667	2407	1.00e7	7.88e6	3753.4	NO	95.550
13C-123678-HxCDD	36.674	0.988	6.85e5	5.29e5	1.165	1.295	1.240	2667	2407	1.01e7	7.89e6	3784.7	NO	94.529
13C-1234678-HpCDD	41.431	1.117	5.07e5	4.87e5	0.872	1.041	1.050	2609	2116	6.75e6	6.45e6	2587.2	NO	103.438
13C-OCDD	47.372	1.277	7.15e5	7.80e5	0.655	0.916	0.890	1763	2032	7.10e6	7.87e6	4028.8	NO	206.939



**Quantify Sample Summary Report**      **MassLynx MassLynx V4.1 SCN909**

Dataset: C:\MassLynx\Dioxin.pro\170208OP.qld  
 Last Altered: Wednesday, February 08, 2017 13:07:42 Pacific Standard Time  
 Printed: Wednesday, February 22, 2017 13:55:49 Pacific Standard Time

**ID: CS301, Name: 17020802, Date: 08-Feb-2017, Time: 11:22:44, Conditions: AUTOSPEC01, User: PK**

Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	pg
13C-123769-HxCDD	37.102	0.000	6.14e5	4.88e5	1.000	1.260	1.240	2667	2407	9.30e6	7.41e6	3485.8	NO	100.000
Total-tetrafurans			2.93e5		0.924		1114			4.33e6				33.108
Total-penta1			7.20e5				707			1.05e7				67.063
Total-pentafurans			1.74e6		0.960		3289			2.58e7				154.007
Total-hexafurans			2.29e6		1.130		3415			3.45e7				251.859
Total-heptafurans			6.91e5		1.281		1942			9.48e6				97.444
Total-Furans			6.14e6		1.100		1114			8.87e7				713.366
Total-tetraDioxins			3.43e5		1.150		1794			4.49e6				52.802
Total-pentadioxins			1.39e6		1.017		2604			1.78e7				188.162
Total-hexadioxins			1.36e6		0.977		2431			2.05e7				212.114
Total-heptadioxins			5.70e5		1.051		1609			7.85e6				106.456
Total-Dioxins			4.02e6		1.025		1794			5.43e7				657.897
Total-TEQ			1.02e7				1794			1.43e8				1371.264
37CL-2378-TCDD	26.796	1.032	1.57e5		1.073		1503			2.25e6		1499.6		10.250
FUNCTION1 PFK			4.55e6				1211007			6.72e7				
FUNCTION2 PFK			1.22e5				156186			3.97e6				0.000
FUNCTION3 PFK			7.62e5				501398			7.13e6				0.000
FUNCTION4 PFK			8.43e5				332612			1.51e7				
FUNCTION5 PFK			2.25e5				261437			8.92e6				
FUNCTION1 HXCDPE			3.94e2				518			7.04e3				0.000
FUNCTION1 HPCDPE			1.75e2				530			2.28e3				0.000
FUNCTION2 HPCDPE			5.93e2				481			8.58e3				0.000
FUNCTION3 OCDPE			0.00e0				361			0.00e0				
FUNCTION4 NCDPE			7.94e1				681			1.86e3				0.000
FUNCTION5 DCDPE			0.00e0				421			0.00e0				

Quantify Sample Report MassLynx MassLynx V4.1 SCN909

Dataset: C:\MassLynx\Dioxin.pro\1702080P.qld  
Last Altered: Wednesday, February 08, 2017 13:07:42 Pacific Standard Time  
Printed: Wednesday, February 22, 2017 13:55:49 Pacific Standard Time

Method: C:\MassLynx\Dioxin.pro\MethDB\Dioxin170201.mdb 01 Feb 2017 14:00:04  
Calibration: C:\MassLynx\Dioxin.pro\CurveDB\170124ICAL.cdb 25 Jan 2017 09:33:34

ID: CS301, Name: 17020802, Date: 08-Feb-2017, Time: 11:22:44, Conditions: AUTOSPEC01, User: PK

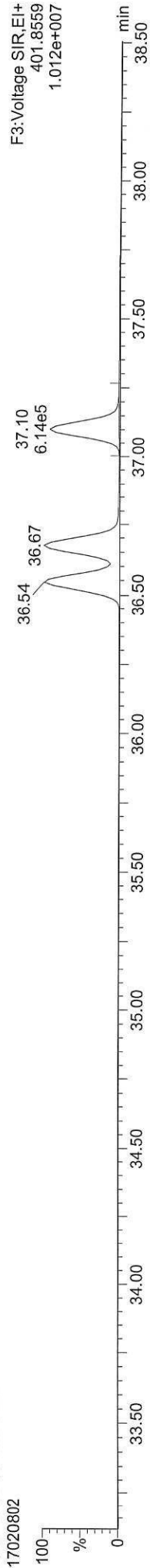
13C-1234-TCDD



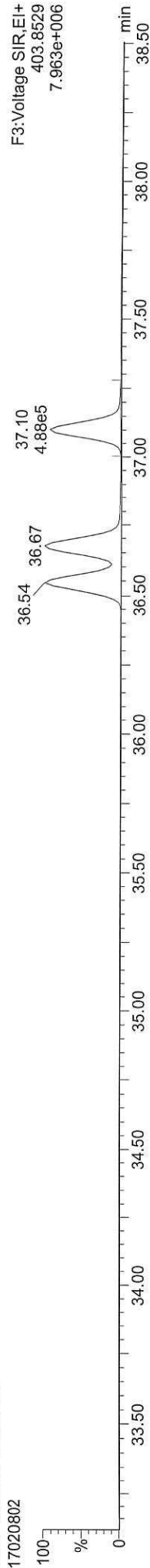
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13C-123789-HxCDD



13C-123789-HxCDD

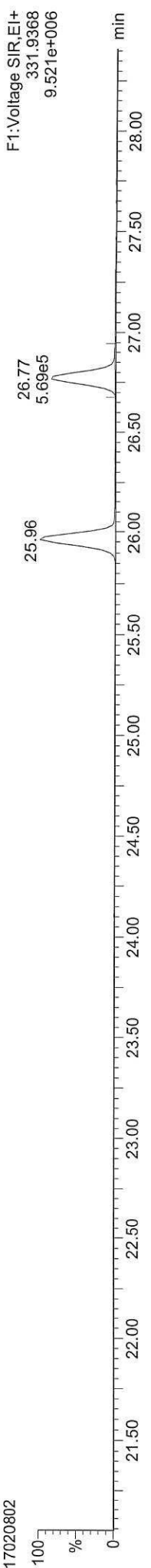


Quantify Sample Report MassLynx MassLynx V4.1 SCN909

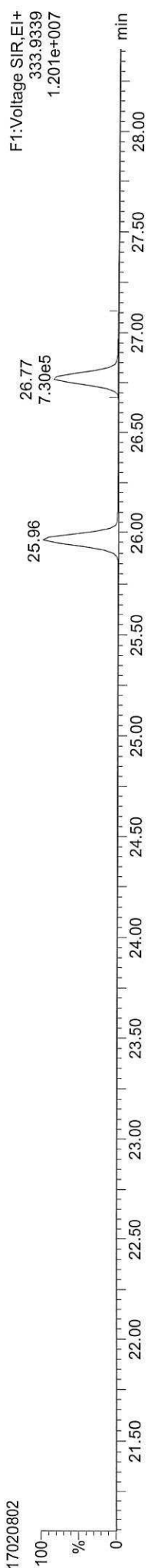
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Last Altered: Wednesday, February 08, 2017 13:07:42 Pacific Standard Time  
Printed: Wednesday, February 22, 2017 13:55:49 Pacific Standard Time

ID: CS301, Name: 17020802, Date: 08-Feb-2017, Time: 11:22:44, Conditions: AUTOSPEC01, User: PK

13C-2378-TCDD



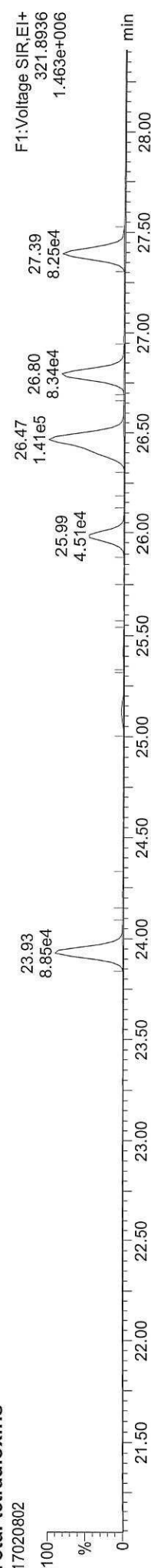
13C-2378-TCDD



Total-tetradioxins



Total-tetradioxins



FUNCTION1 PFK



Quantify Sample Report MassLynx MassLynx V4.1 SCN909

Dataset: C:\MassLynx\Dioxin.pro\1702080P.qld  
Last Altered: Wednesday, February 08, 2017 13:07:42 Pacific Standard Time  
Printed: Wednesday, February 22, 2017 13:55:49 Pacific Standard Time

ID: CS301, Name: 17020802, Date: 08-Feb-2017, Time: 11:22:44, Conditions: AUTOSPEC01, User: PK

13C-2378-TCDF



13C-2378-TCDF



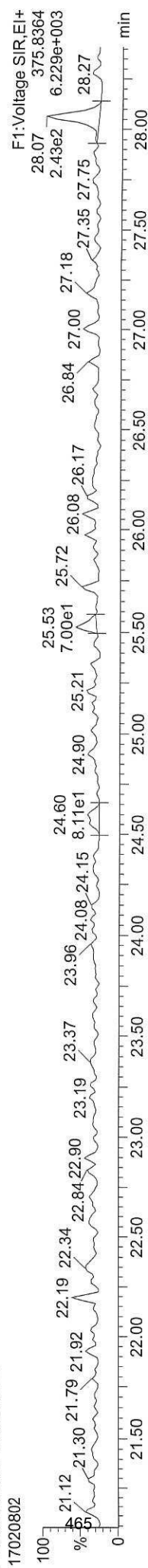
Total-tetrafurans



Total-tetrafurans



FUNCTION1 HXCDPE

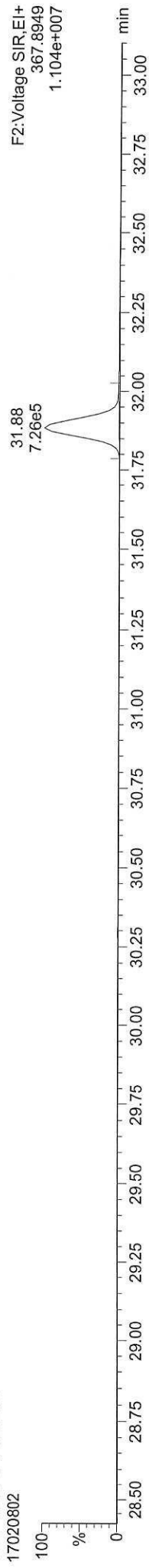


Quantify Sample Report MassLynx MassLynx V4.1 SCN909

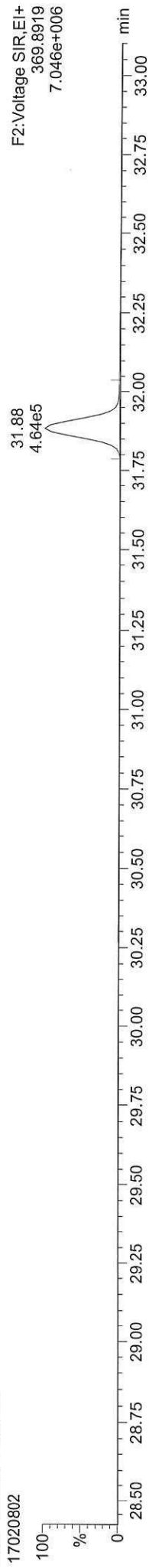
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Last Altered: Wednesday, February 08, 2017 13:07:42 Pacific Standard Time  
Printed: Wednesday, February 22, 2017 13:55:49 Pacific Standard Time

ID: CS301, Name: 17020802, Date: 08-Feb-2017, Time: 11:22:44, Conditions: AUTOSPEC01, User: PK

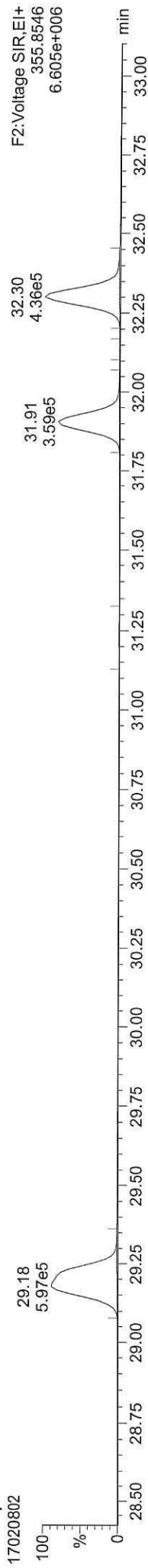
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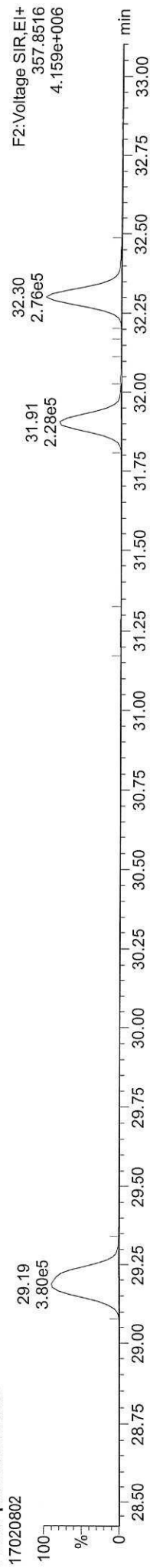
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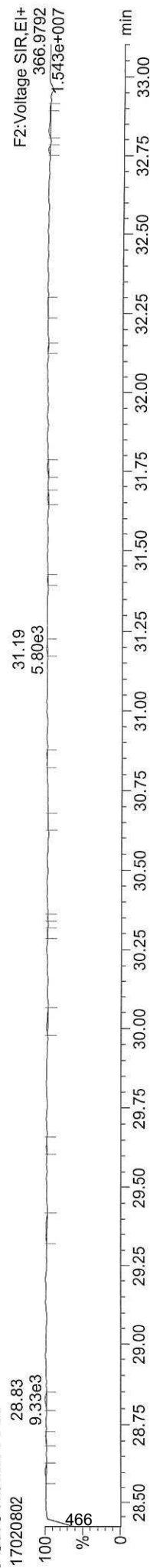
Total-pentadioxins



Total-pentadioxins



FUNCTION2 PFK

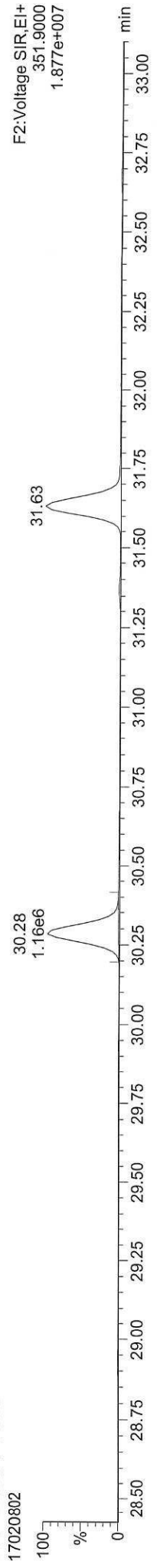


Quantify Sample Report MassLynx MassLynx V4.1 SCN909

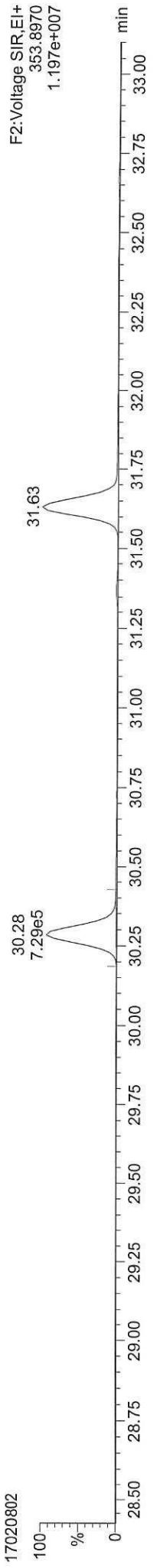
Dataset: C:\MassLynx\Dioxin.pro\1702080P.qld  
Last Altered: Wednesday, February 08, 2017 13:07:42 Pacific Standard Time  
Printed: Wednesday, February 22, 2017 13:55:49 Pacific Standard Time

ID: CS301, Name: 17020802, Date: 08-Feb-2017, Time: 11:22:44, Conditions: AUTOSPEC01, User: PK

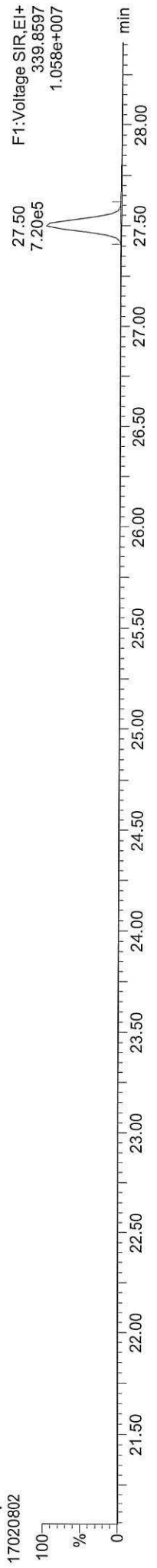
13C-12378-PeCDF



13C-12378-PeCDF



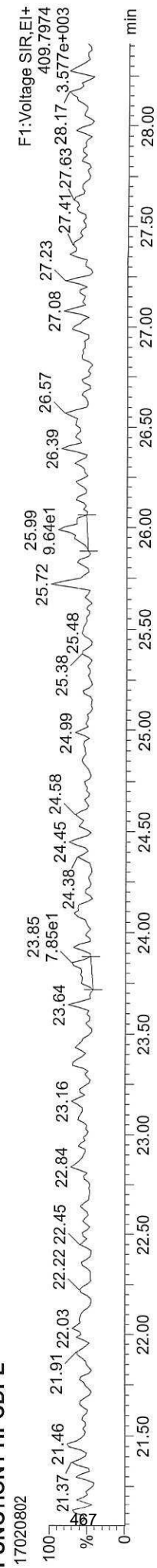
Total-penta1



Total-penta1



FUNCTION1 HPCDPE

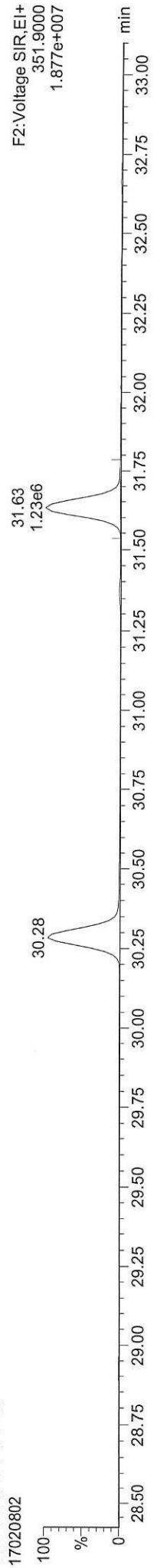


Quantify Sample Report MassLynx MassLynx V4.1 SCN909

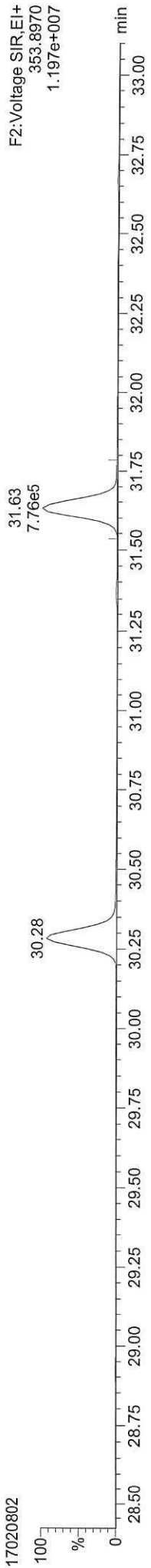
Dataset: C:\MassLynx\Dioxin.pro\1702080P.qld  
Last Altered: Wednesday, February 08, 2017 13:07:42 Pacific Standard Time  
Printed: Wednesday, February 22, 2017 13:55:49 Pacific Standard Time

ID: CS301, Name: 17020802, Date: 08-Feb-2017, Time: 11:22:44, Conditions: AUTOSPEC01, User: PK

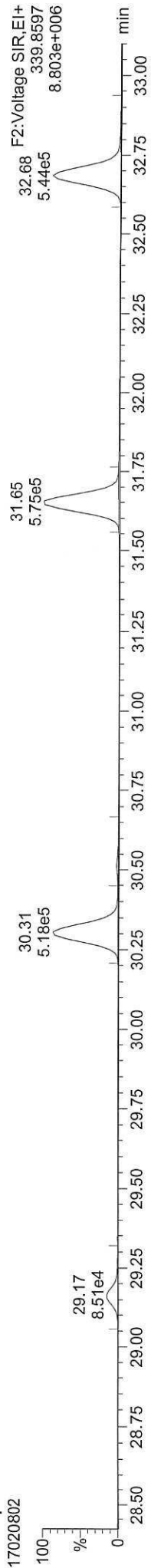
13C-23478-PeCDF



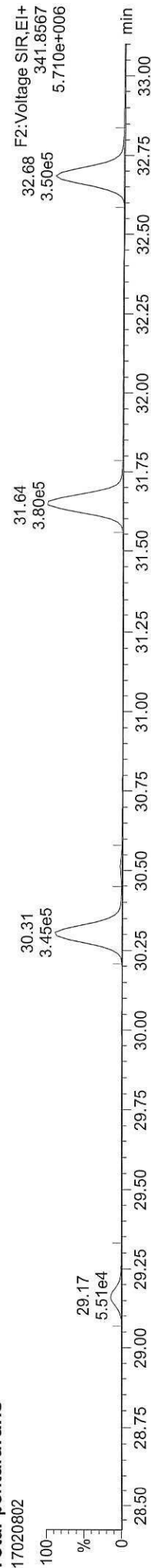
13C-23478-PeCDF



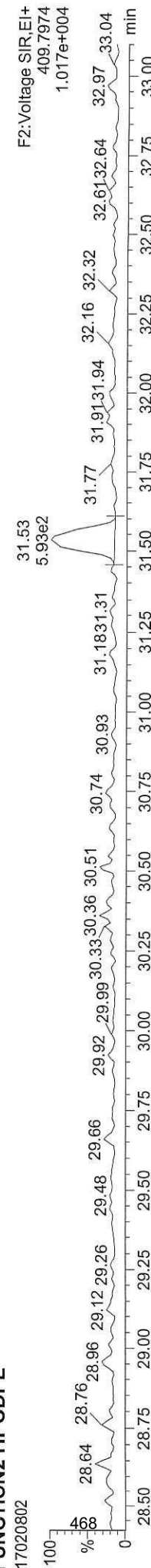
Total-pentafurans



Total-pentafurans



FUNCTION2 HPCDPE

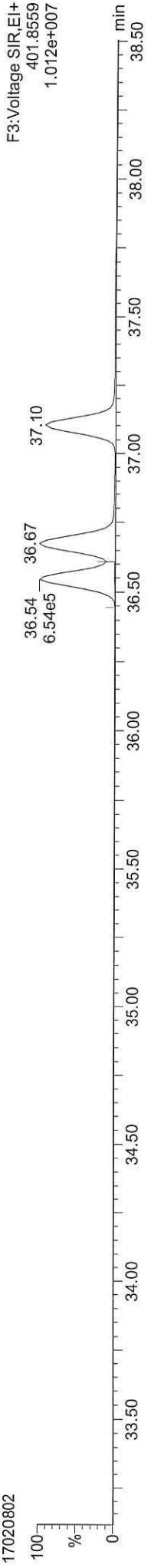


Quantify Sample Report MassLynx MassLynx V4.1 SCN909

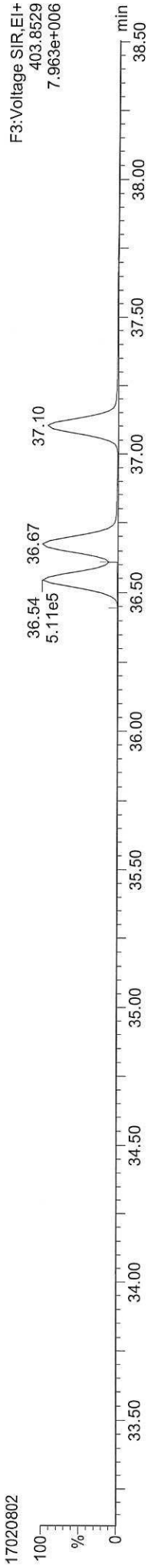
Dataset: C:\MassLynx\Dioxin.pro\1702080P.qld  
Last Altered: Wednesday, February 08, 2017 13:07:42 Pacific Standard Time  
Printed: Wednesday, February 22, 2017 13:55:49 Pacific Standard Time

ID: CS301, Name: 17020802, Date: 08-Feb-2017, Time: 11:22:44, Conditions: AUTOSPEC01, User: PK

13C-123478-HxCDD



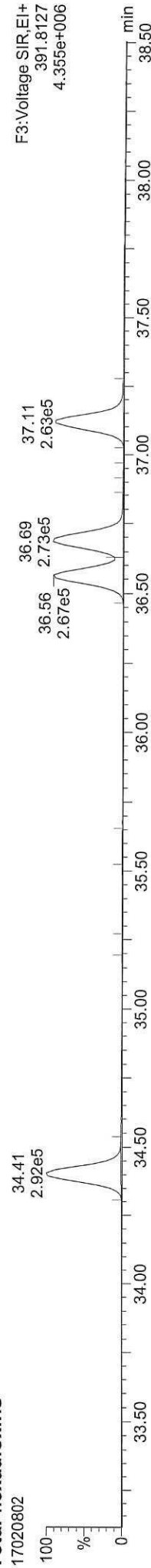
13C-123478-HxCDD



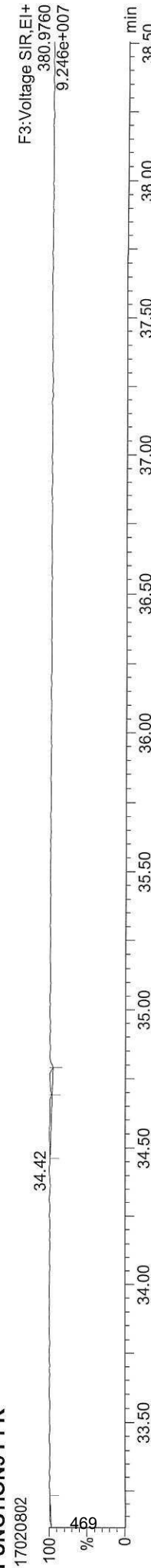
Total-hexadioxins



Total-hexadioxins



FUNCTION3 PFK



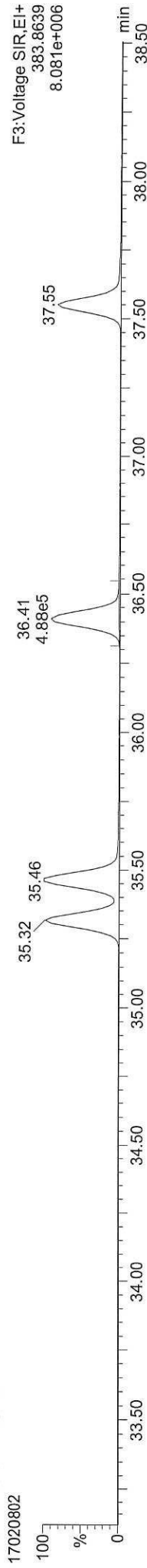


Quantify Sample Report MassLynx MassLynx V4.1 SCN909

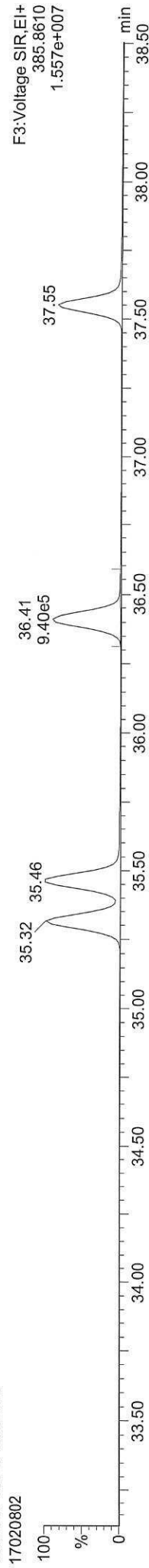
Dataset: C:\MassLynx\Dioxin.pro\1702080P.qld  
Last Altered: Wednesday, February 08, 2017 13:07:42 Pacific Standard Time  
Printed: Wednesday, February 22, 2017 13:55:49 Pacific Standard Time

ID: CS301, Name: 17020802, Date: 08-Feb-2017, Time: 11:22:44, Conditions: AUTOSPEC01, User: PK

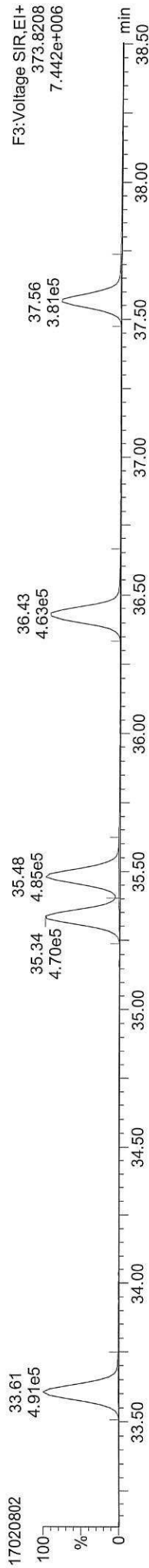
13C-234678-HxCDF



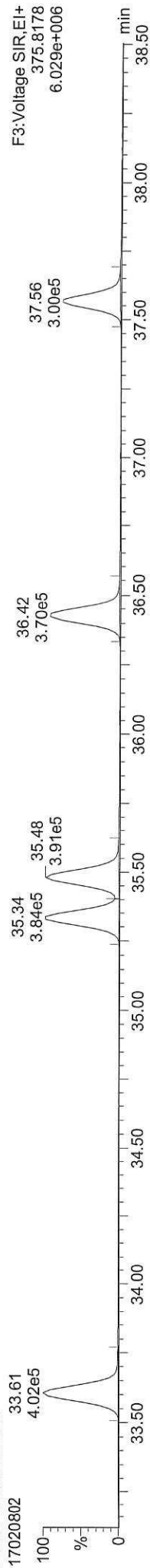
13C-234678-HxCDF



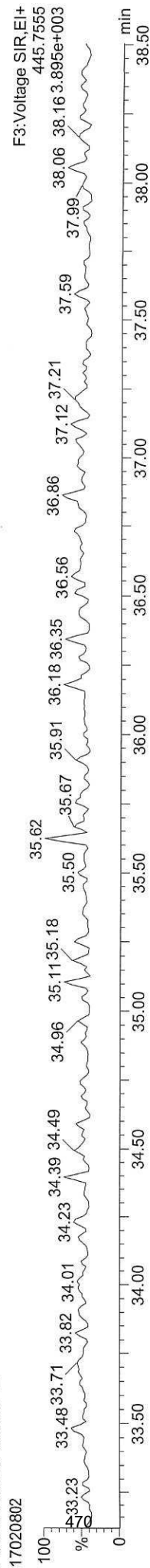
Total-hexafurans



Total-hexafurans



FUNCTION3 OCDFE

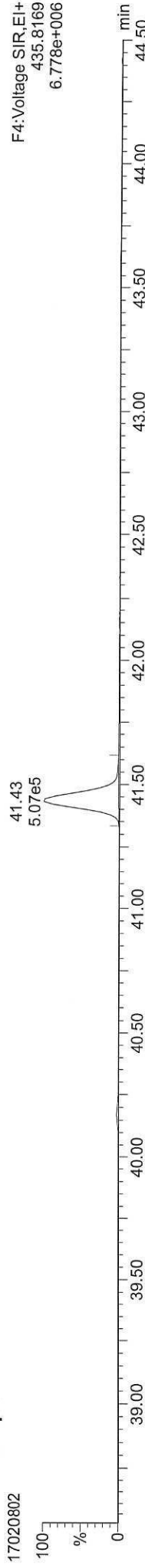


Quantify Sample Report MassLynx MassLynx V4.1 SCN909

Dataset: C:\MassLynx\Dioxin.pro\1702080P.gld  
Last Altered: Wednesday, February 08, 2017 13:07:42 Pacific Standard Time  
Printed: Wednesday, February 22, 2017 13:55:49 Pacific Standard Time

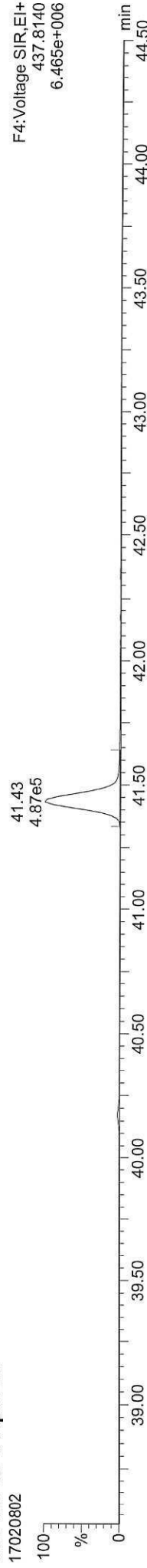
ID: CS301, Name: 17020802, Date: 08-Feb-2017, Time: 11:22:44, Conditions: AUTOSPEC01, User: PK

13C-1234678-HpCDD



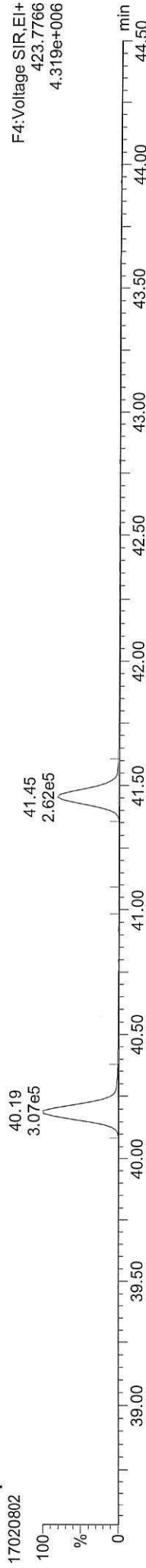
F4: Voltage SIR, EI+  
435.8169  
6.778e+006

13C-1234678-HpCDD



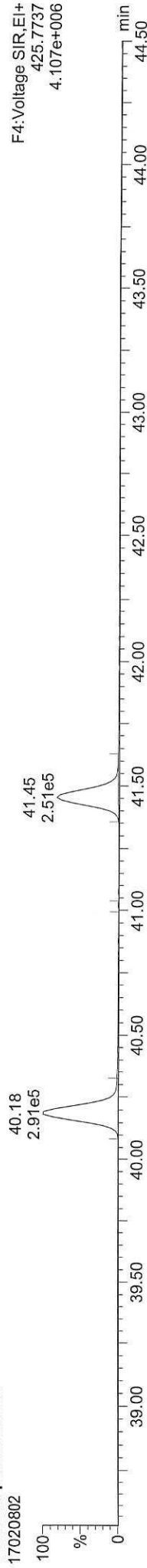
F4: Voltage SIR, EI+  
437.8140  
6.465e+006

Total-heptadioxins



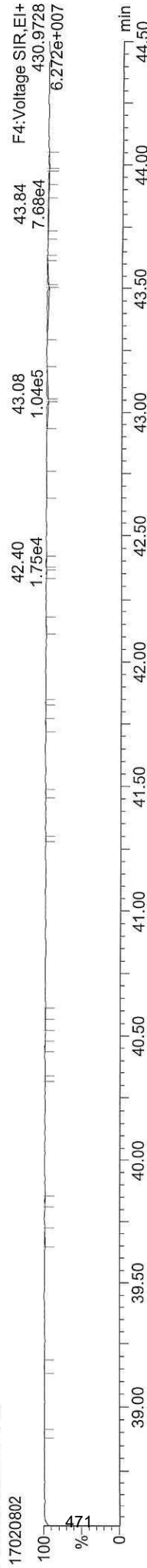
F4: Voltage SIR, EI+  
423.7766  
4.319e+006

Total-heptadioxins



F4: Voltage SIR, EI+  
425.7737  
4.107e+006

FUNCTION4 PFK



F4: Voltage SIR, EI+  
430.9728  
6.272e+007

Quantify Sample Report MassLynx MassLynx V4.1 SCN909

Dataset: C:\MassLynx\Dioxin.pro\1702080P.qld  
Last Altered: Wednesday, February 08, 2017 13:07:42 Pacific Standard Time  
Printed: Wednesday, February 22, 2017 13:55:49 Pacific Standard Time

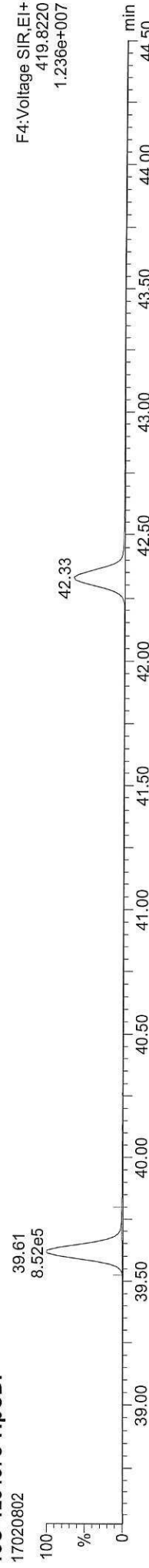
ID: CS301, Name: 17020802, Date: 08-Feb-2017, Time: 11:22:44, Conditions: AUTOSPEC01, User: PK

13C-1234678-HpCDF



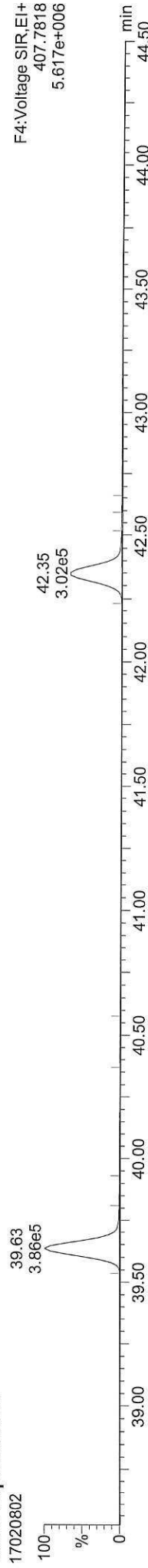
F4: Voltage SIR, EI+  
417.8253  
5.568e+006

13C-1234678-HpCDF



F4: Voltage SIR, EI+  
419.8220  
1.236e+007

Total-heptafurans



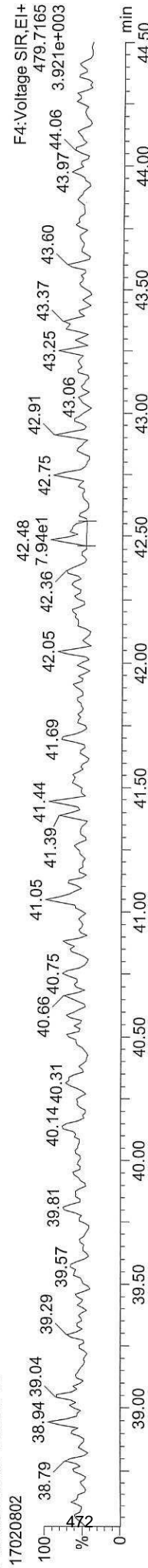
F4: Voltage SIR, EI+  
407.7818  
5.617e+006

Total-heptafurans



F4: Voltage SIR, EI+  
409.7788  
5.517e+006

FUNCTION4 NCDPE



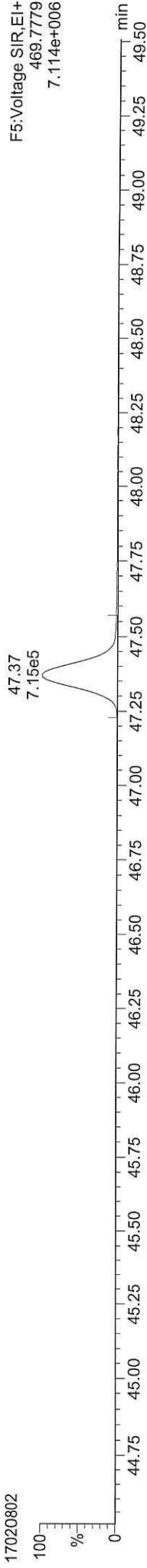
F4: Voltage SIR, EI+  
479.7165  
3.921e+003

**Quantify Sample Report**    **MassLynx MassLynx V4.1 SCN909**  
Dataset: C:\MassLynx\Dioxin.pro\1702080P.qld  
Last Altered: Wednesday, February 08, 2017 13:07:42 Pacific Standard Time  
Printed: Wednesday, February 22, 2017 13:55:49 Pacific Standard Time

**ID: CS301, Name: 17020802, Date: 08-Feb-2017, Time: 11:22:44, Conditions: AUTOSPEC01, User: PK**

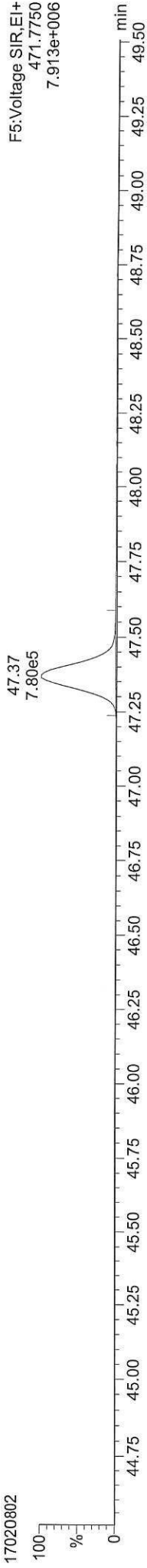
**13C-OCDD**

17020802



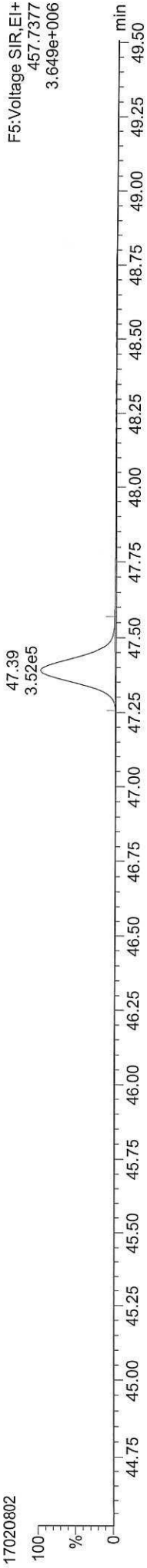
**13C-OCDD**

17020802



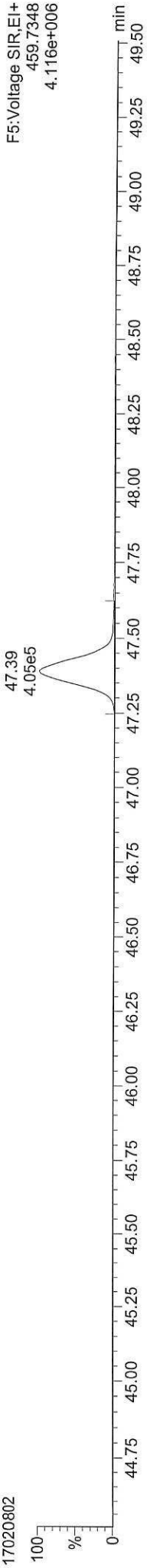
**OCDD**

17020802



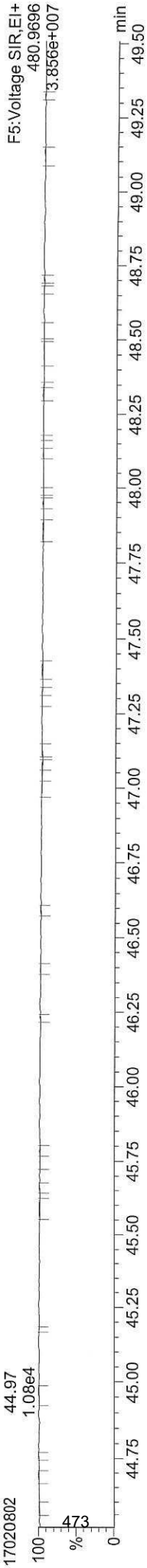
**OCDD**

17020802



**FUNCTION5 PFK**

17020802



Quantify Sample Report MassLynx MassLynx V4.1 SCN909

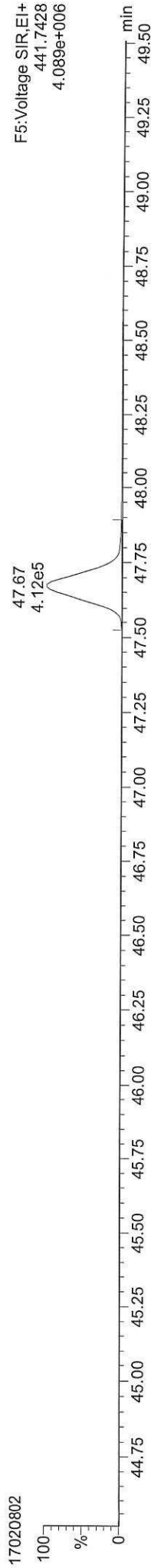
Dataset: C:\MassLynx\Dioxin.pro\1702080P.qld  
Last Altered: Wednesday, February 08, 2017 13:07:42 Pacific Standard Time  
Printed: Wednesday, February 22, 2017 13:55:49 Pacific Standard Time

ID: CS301, Name: 17020802, Date: 08-Feb-2017, Time: 11:22:44, Conditions: AUTOSPEC01, User: PK

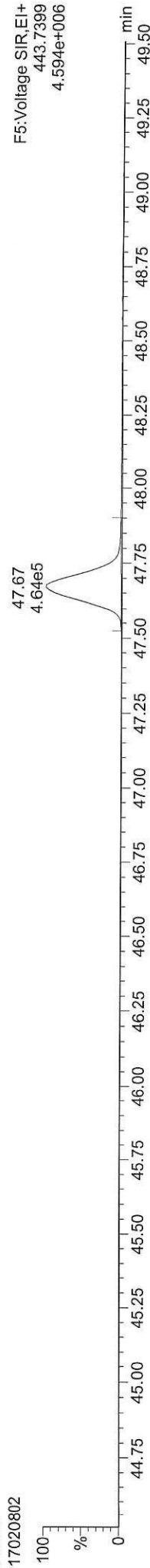
37CL-2378-TCDD



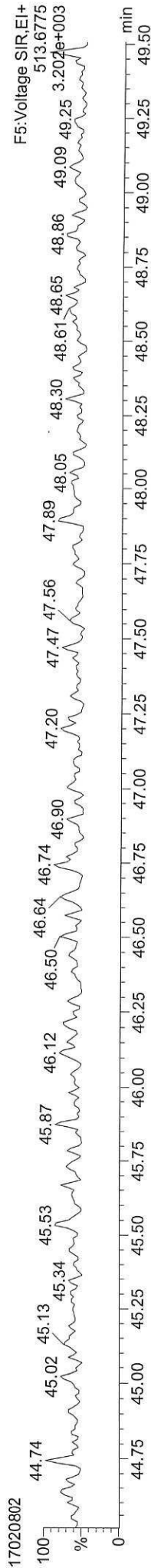
OCDF



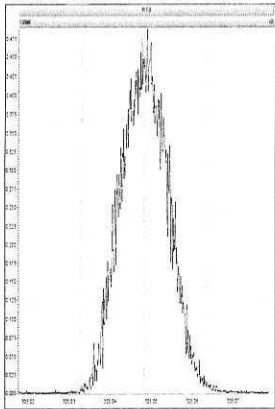
OCDF



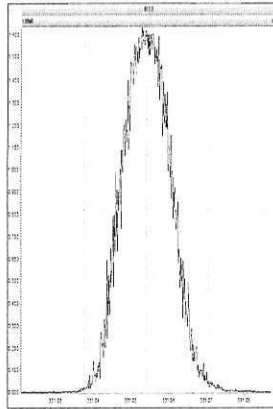
FUNCTION5 DCDPE



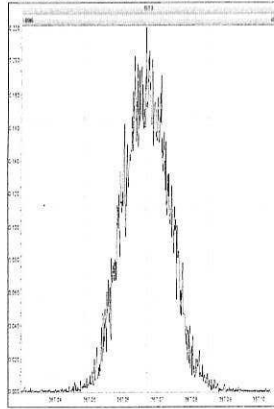
M 304.9824 R 12438



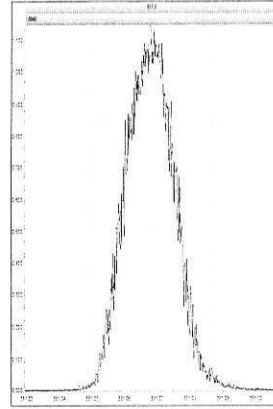
M 330.9792 R 12412



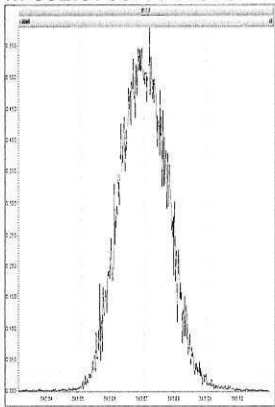
M 366.9792 R 12877



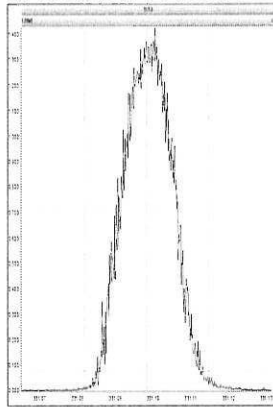
M 380.9760 R 11881



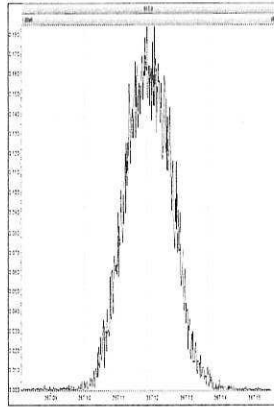
M 392.9760 R 11876



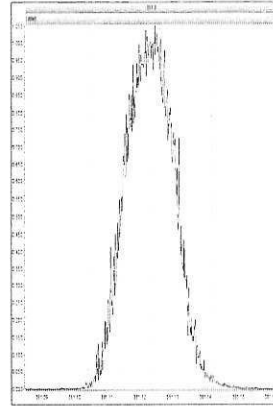
M 330.9792 R 12502



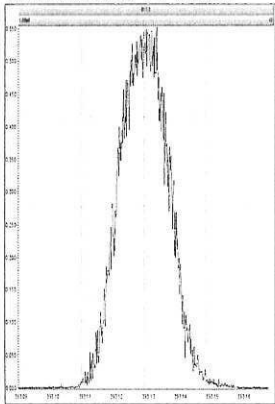
M 366.9792 R 12504



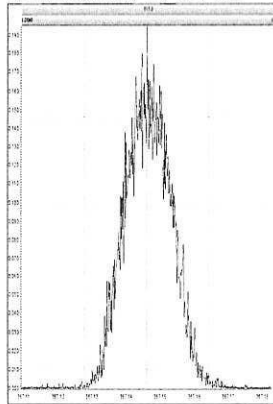
M 380.9760 R 11798



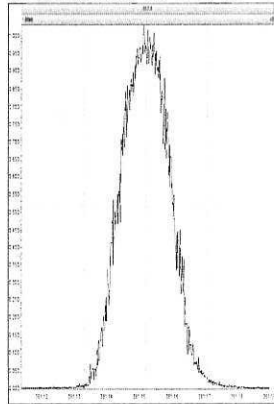
M 392.9760 R 12201



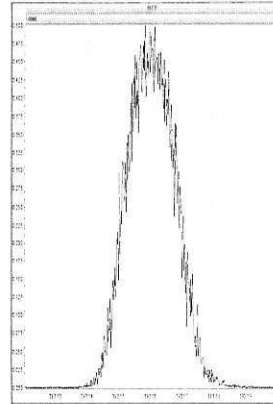
M 366.9792 R 12766



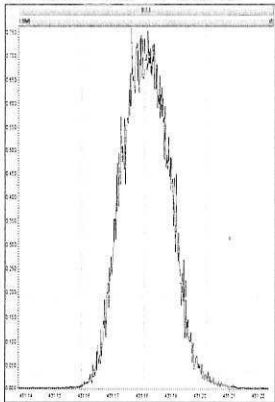
M 380.9760 R 12445



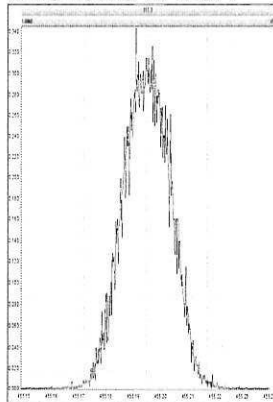
M 392.9760 R 12225



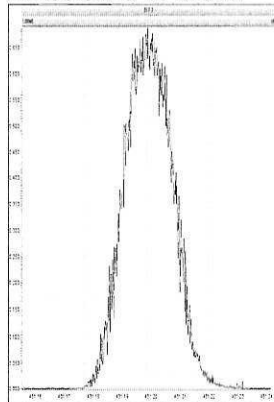
M 430.9728 R 12049



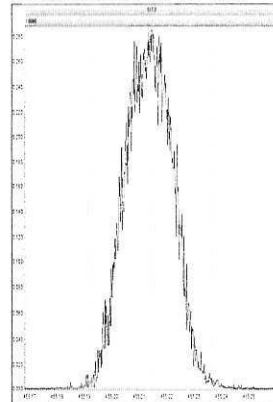
M 454.9728 R 12077



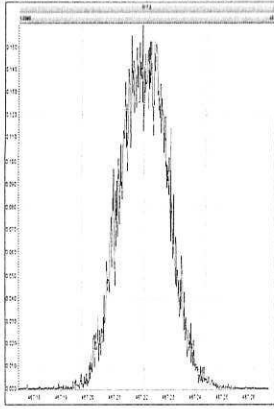
M 430.9728 R 12019



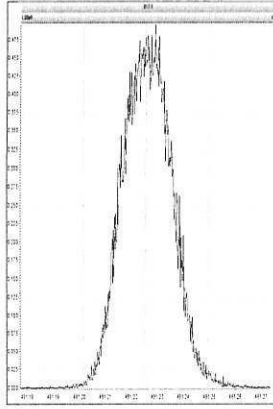
M 454.9728 R 12106



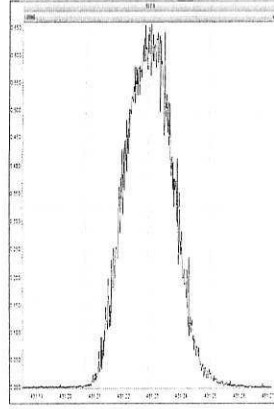
M 466.9728 R 12037



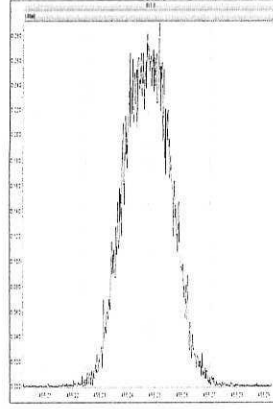
M 480.9696 R 11876



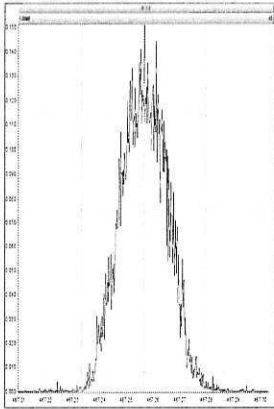
M 430.9728 R 12254



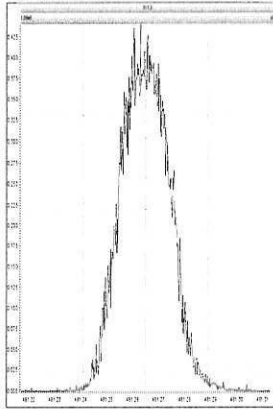
M 454.9728 R 12225



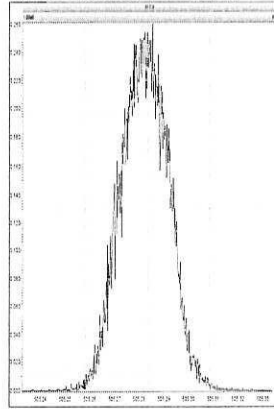
M 466.9728 R 12603

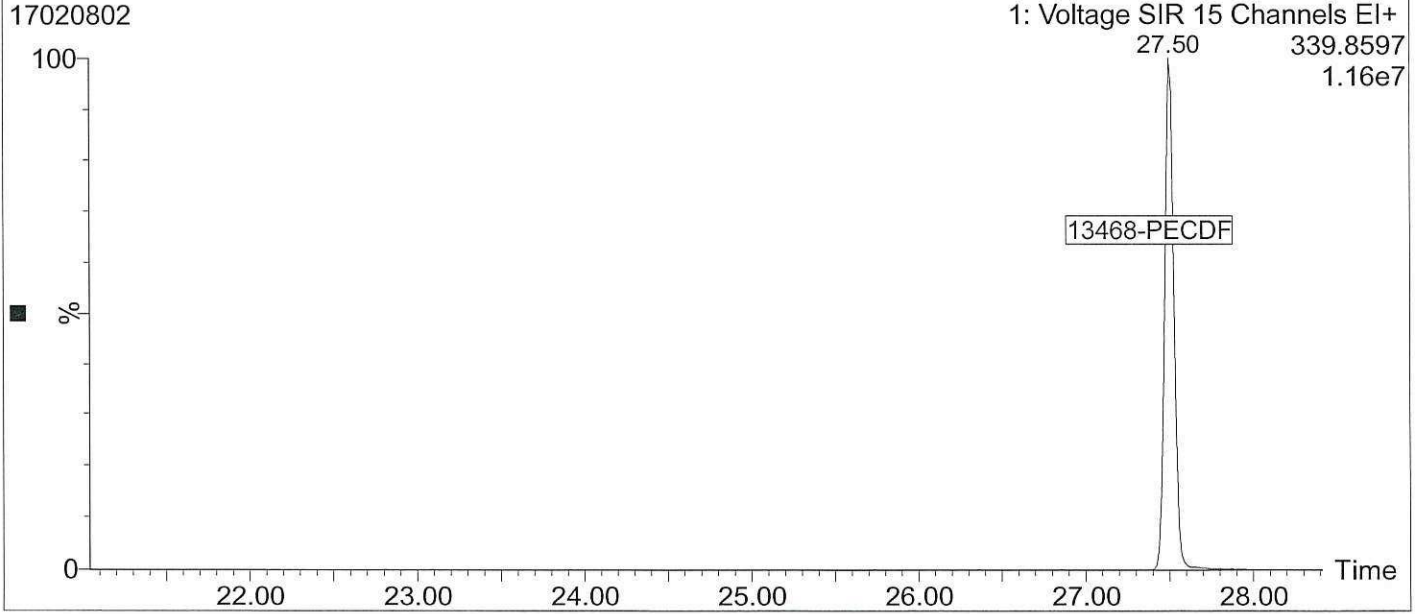
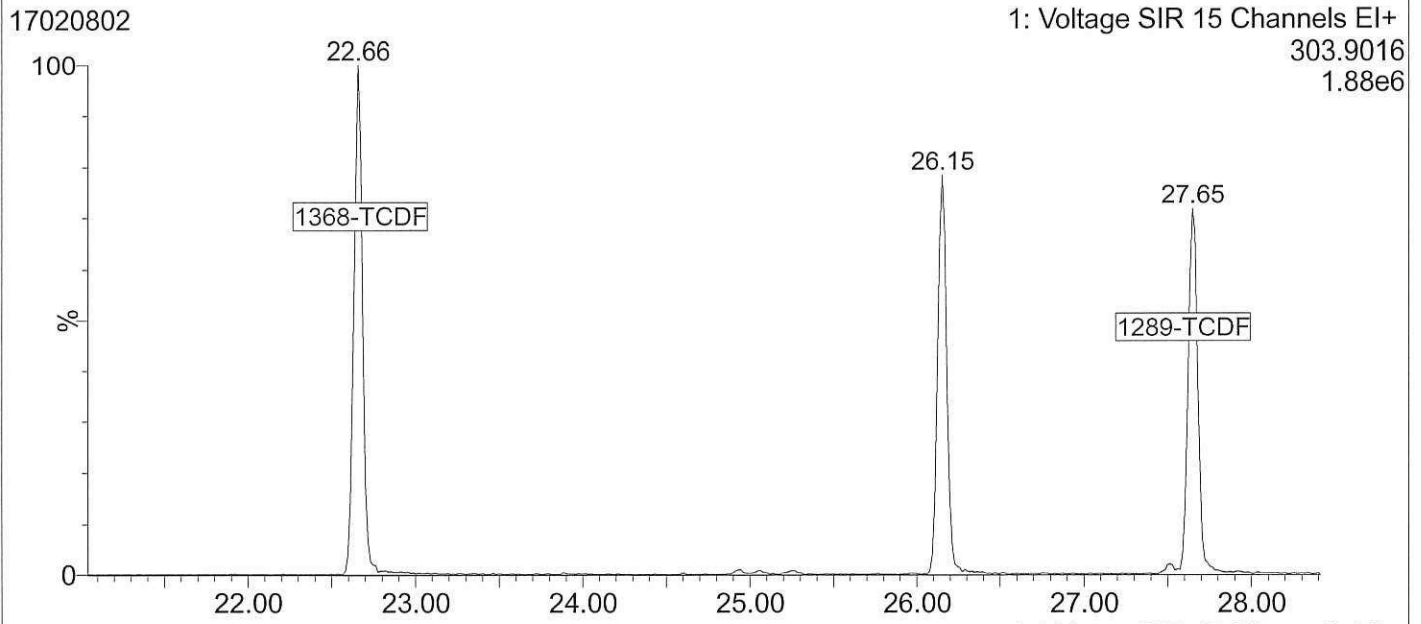
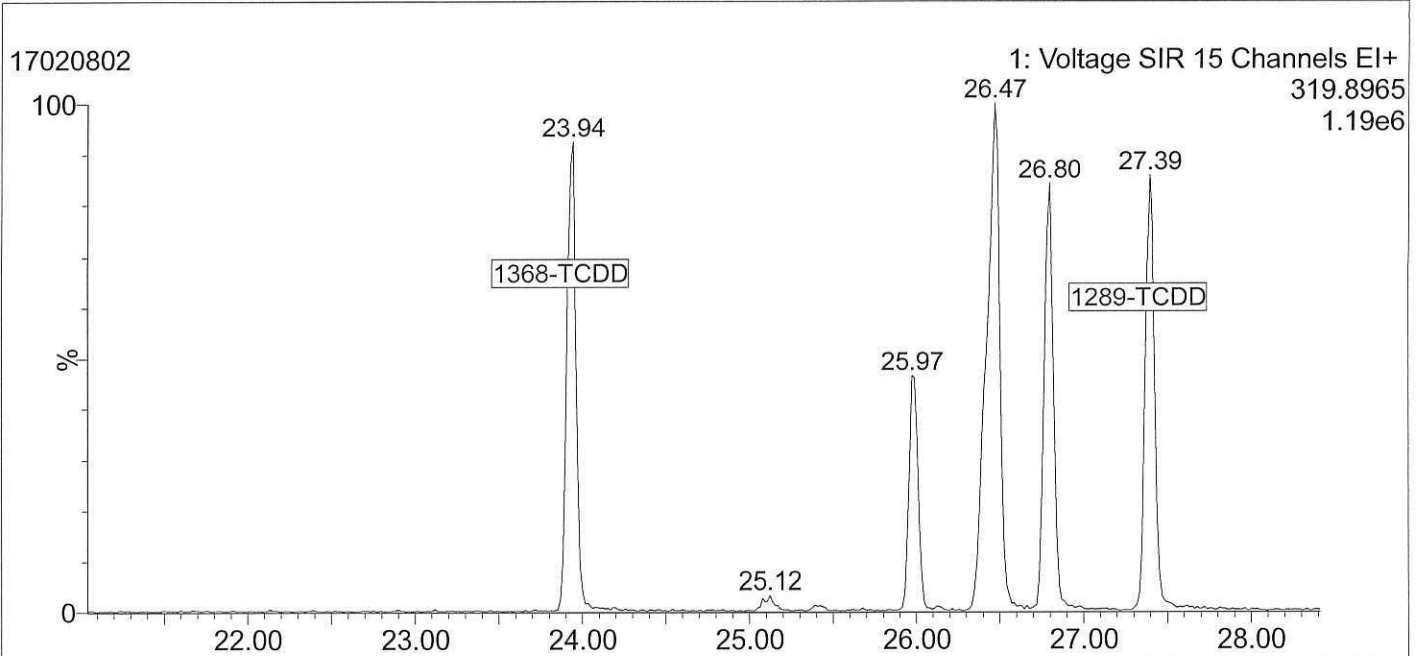


M 480.9696 R 12574



M 504.9696 R 12226

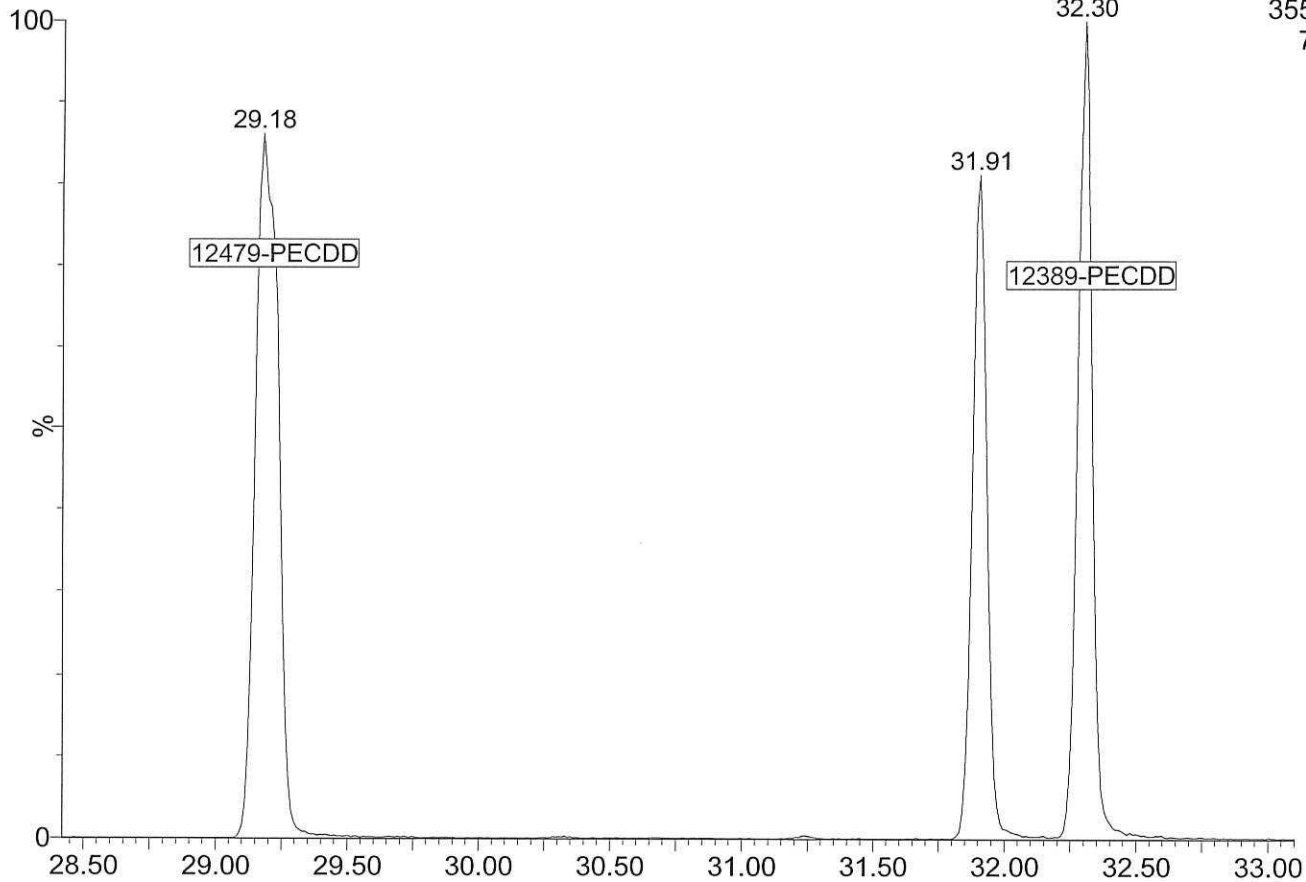






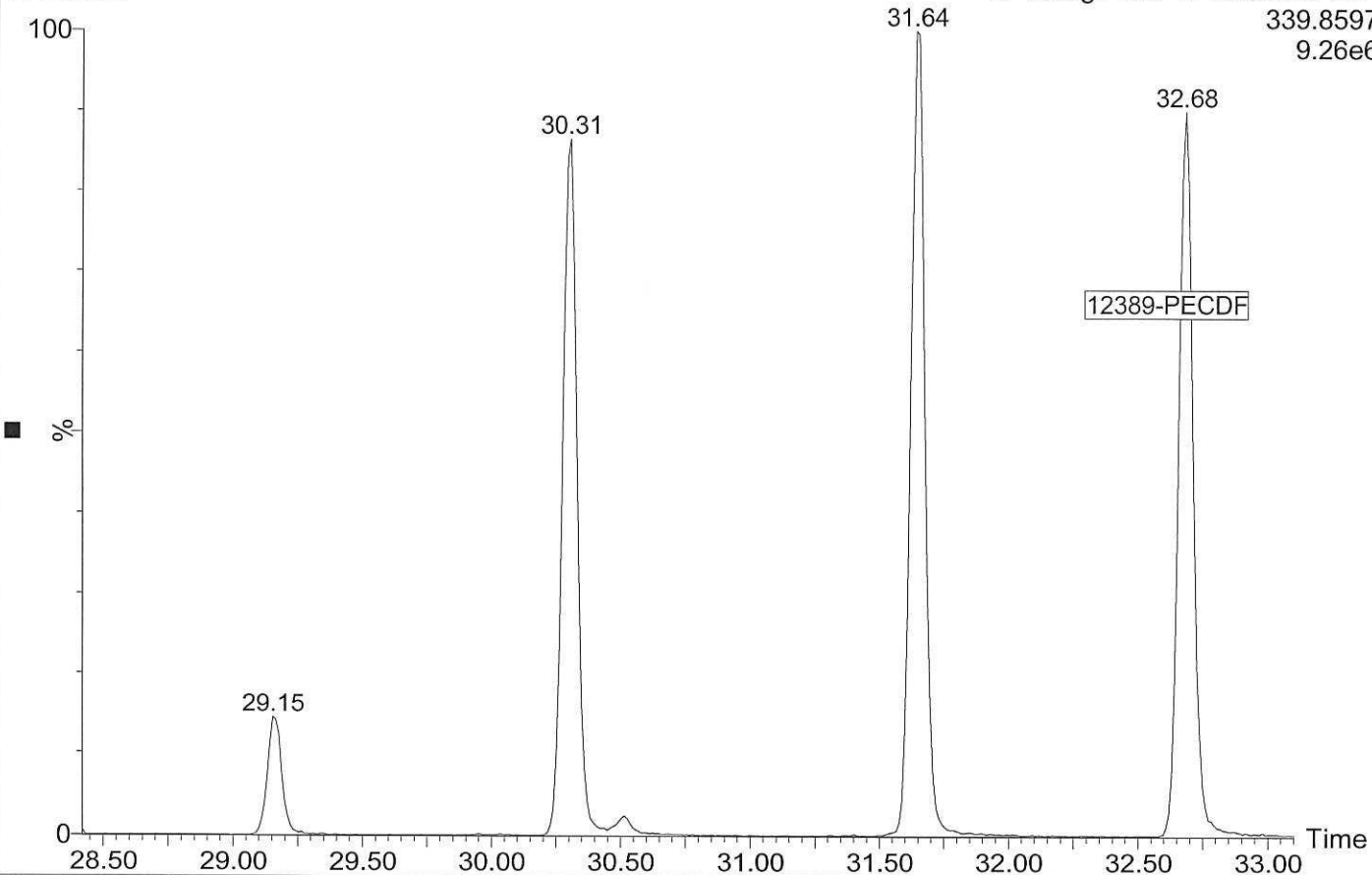
17020802

2: Voltage SIR 11 Channels EI+  
355.8546  
7.01e6



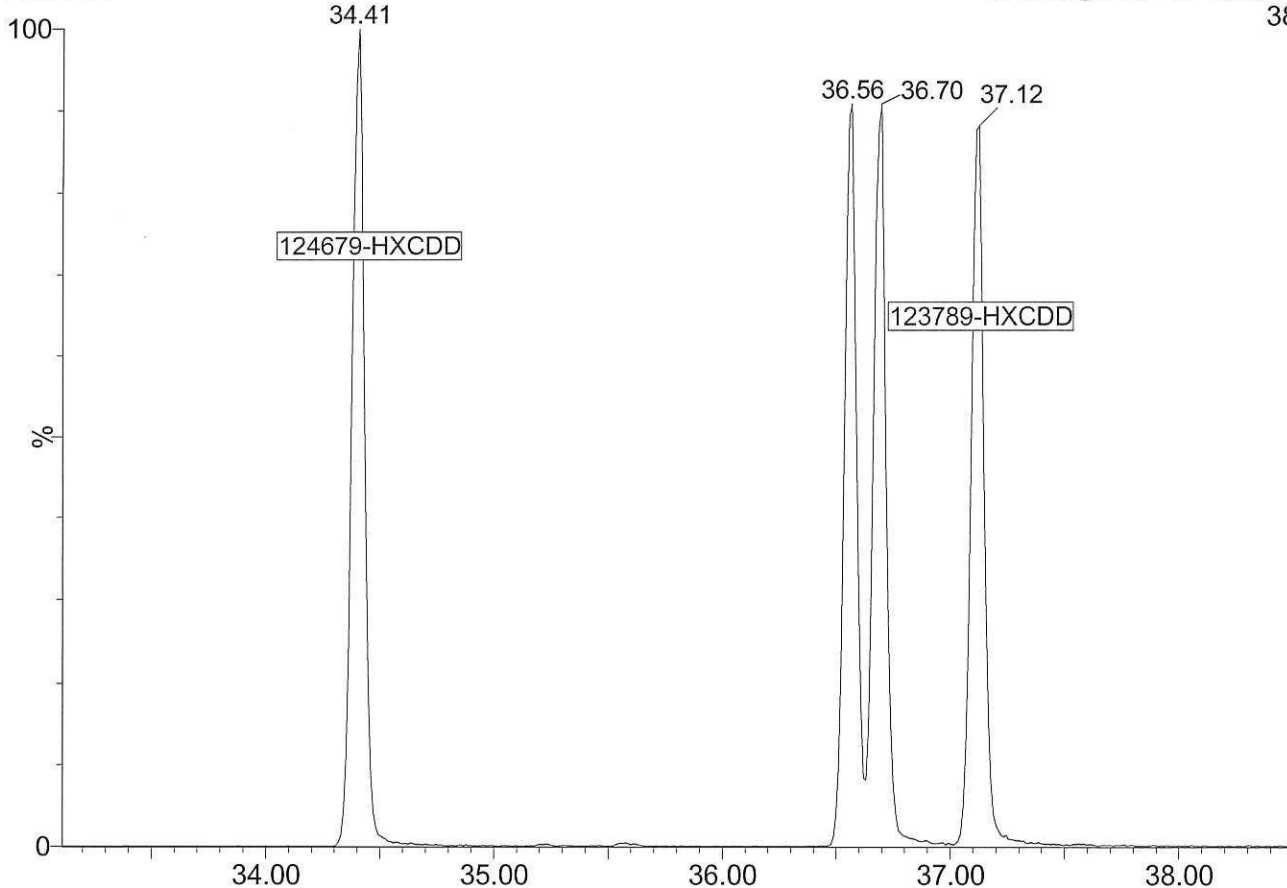
17020802

2: Voltage SIR 11 Channels EI+  
339.8597  
9.26e6



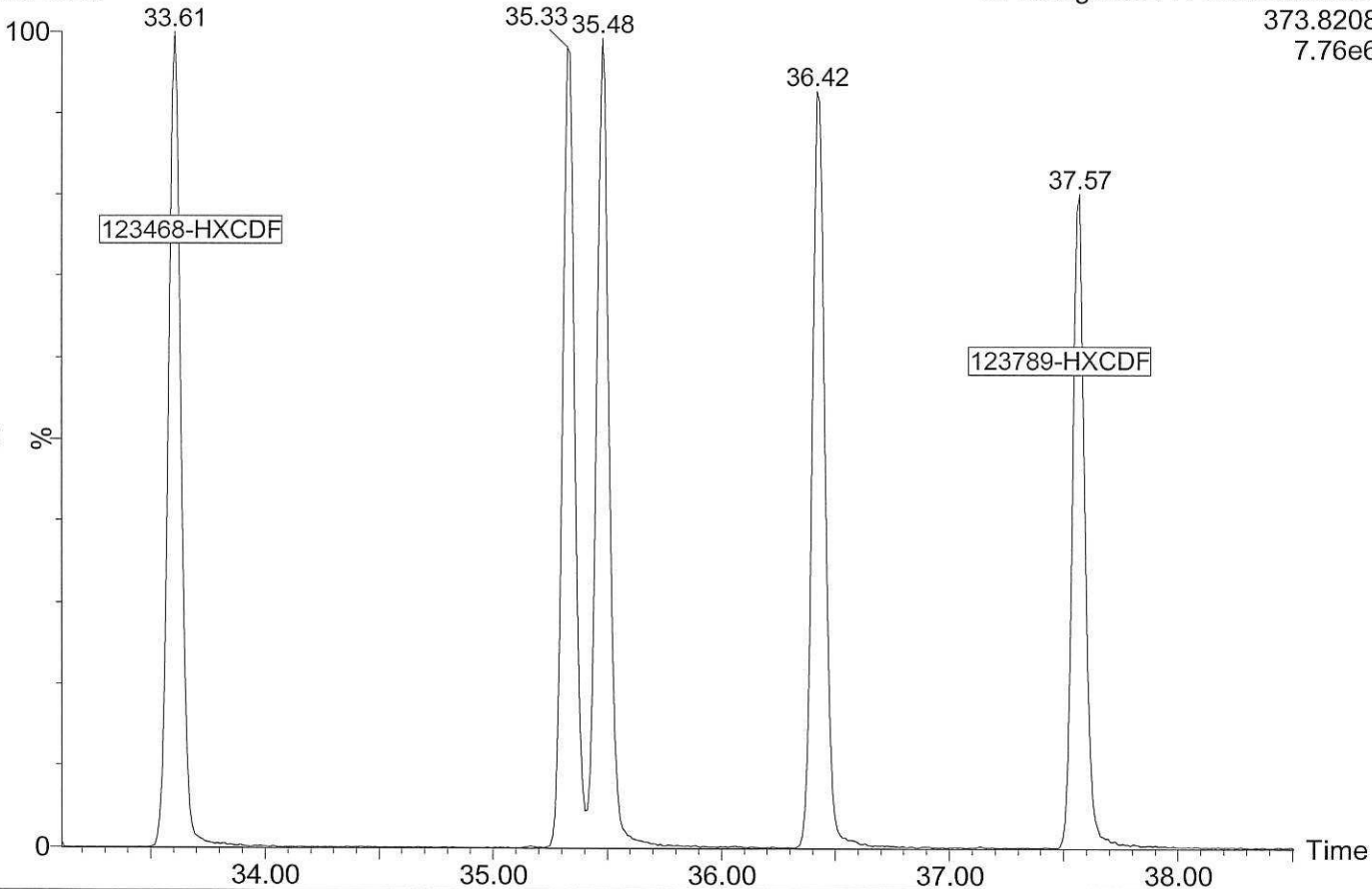
17020802

3: Voltage SIR 11 Channels EI+  
389.8157  
5.85e6



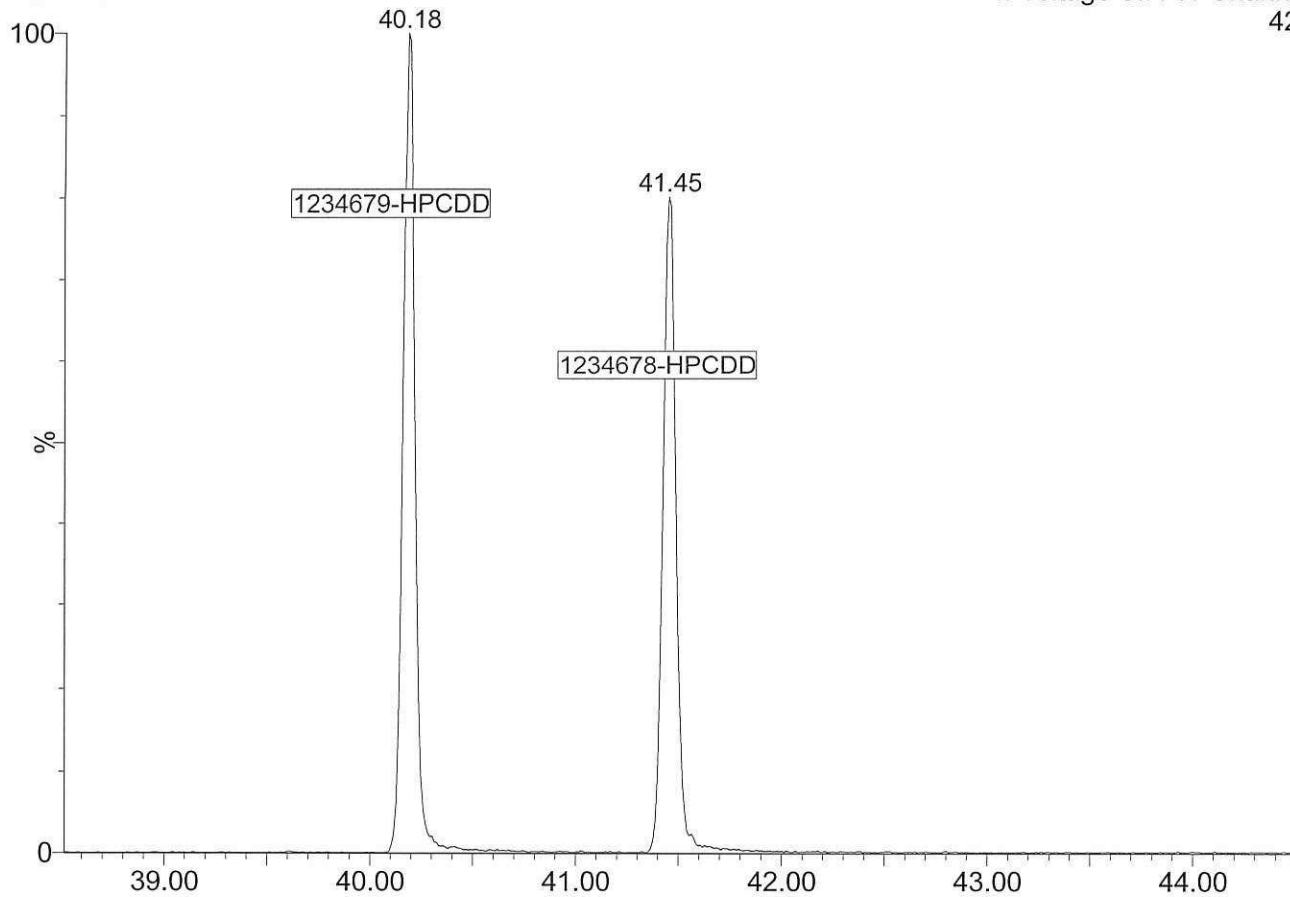
17020802

3: Voltage SIR 11 Channels EI+  
373.8208  
7.76e6



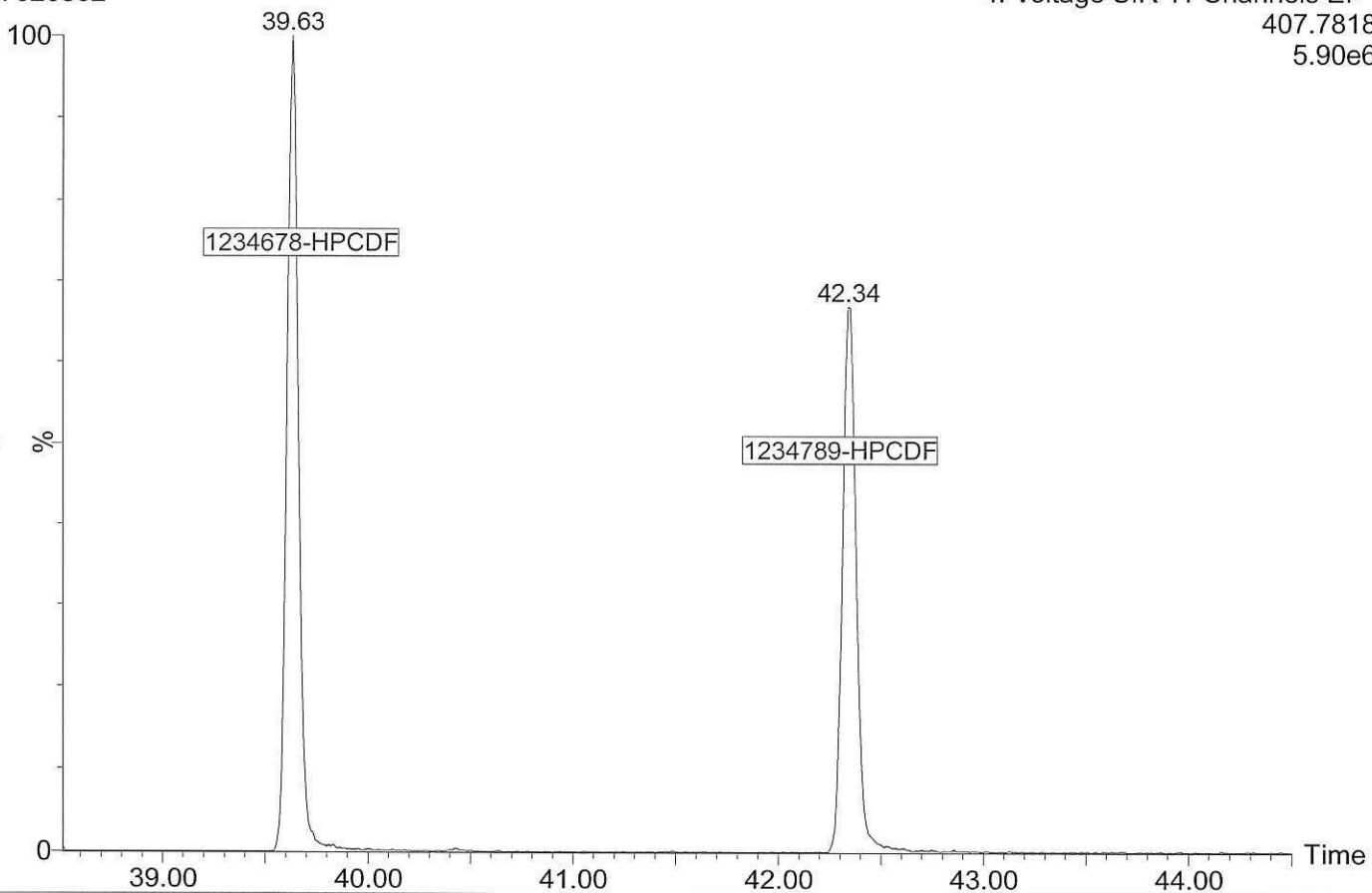
17020802

4: Voltage SIR 11 Channels EI+  
423.7766  
4.54e6



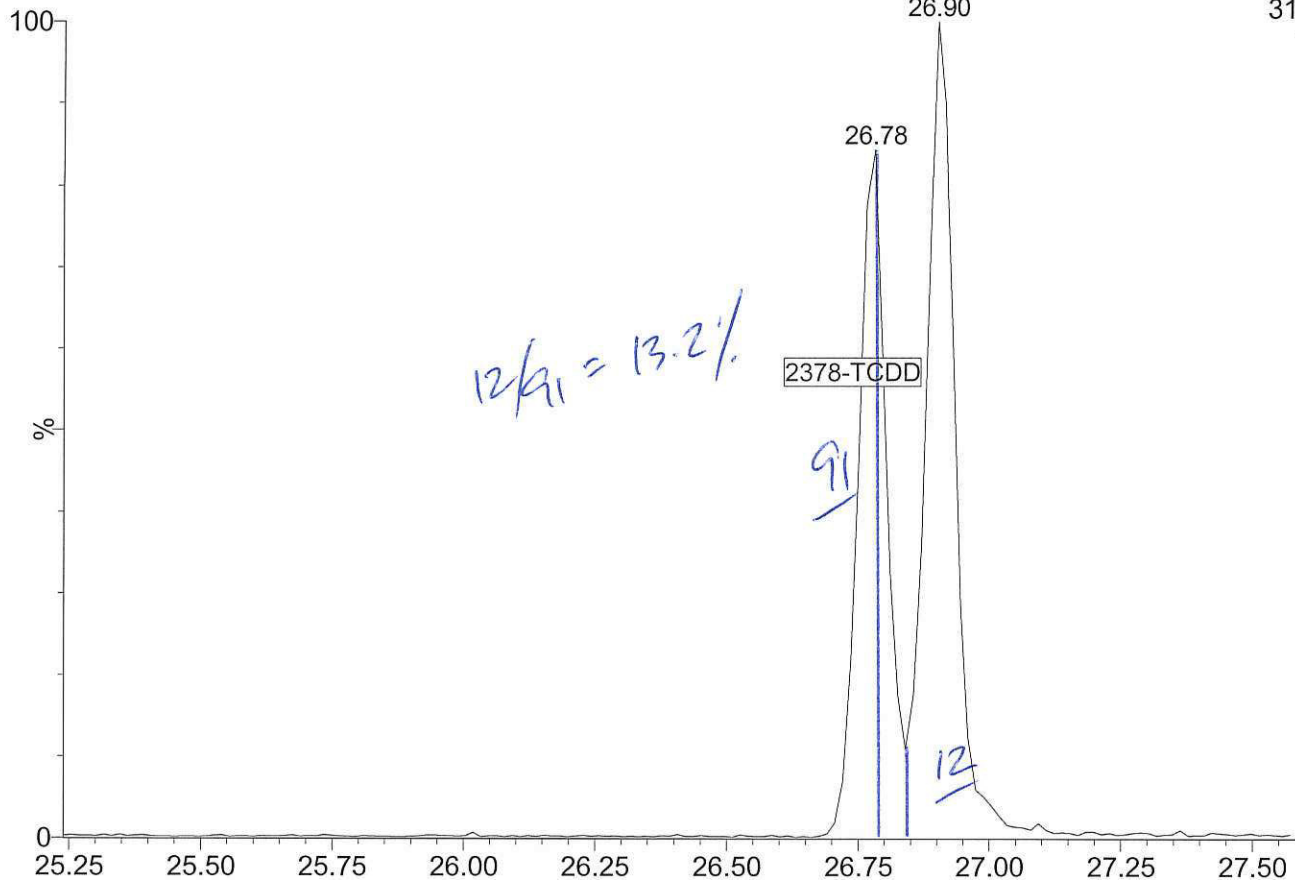
17020802

4: Voltage SIR 11 Channels EI+  
407.7818  
5.90e6



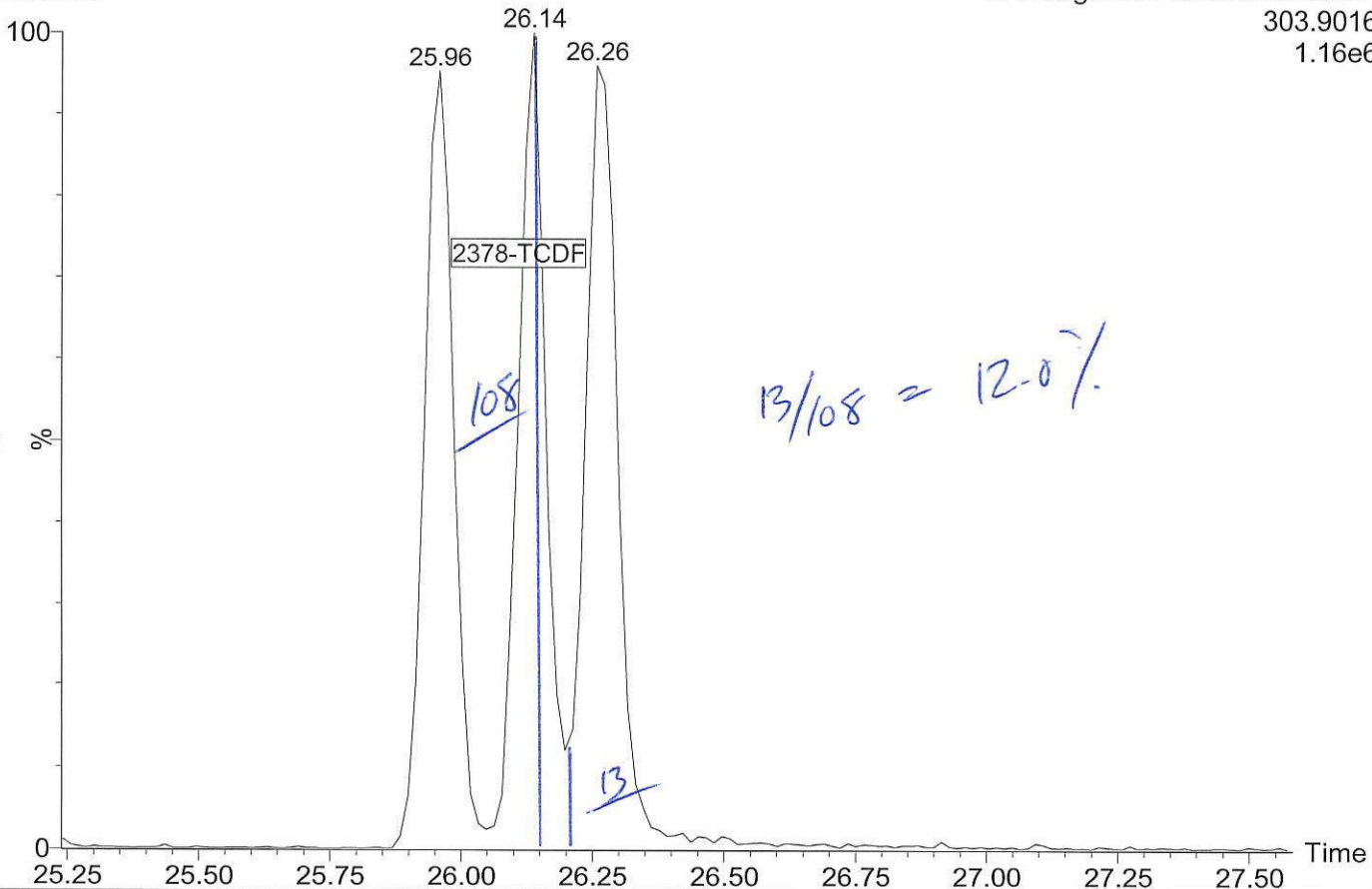
17020803

1: Voltage SIR 15 Channels EI+  
319.8965  
1.01e6



17020803

1: Voltage SIR 15 Channels EI+  
303.9016  
1.16e6





## INITIAL CALIBRATION CHECK EPA 1613B

Laboratory:	<u>Analytical Resources, Inc.</u>	SDG:	<u>17A0053</u>
Client:	<u>Anchor QEA, LLC</u>	Project:	<u>Port Gamble Shellfish Monitoring</u>
Instrument ID:	<u>AUTOSPEC01</u>	Calibration:	<u>AA00071</u>
Lab File ID:	<u>17022402</u>	Calibration Date:	<u>01/25/17 11:42</u>
Sequence:	<u>SFB0342</u>	Injection Date:	<u>02/24/17</u>
Lab Sample ID:	<u>SFB0342-ICV1</u>	Injection Time:	<u>14:07</u>
Sequence Name:	<u>CS301</u>		

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
2,3,7,8-TCDF	A	10.000	10.3	0.9244412	0.9528953		3.1	20
2,3,7,8-TCDD	A	10.000	9.92	1.1500690	1.1404780		-0.8	20
1,2,3,7,8-PeCDF	A	50.000	47.1	0.9538591	0.8978731		-5.9	20
2,3,4,7,8-PeCDF	A	50.000	50.6	0.9661353	0.9773122		1.2	20
1,2,3,7,8-PeCDD	A	50.000	48.1	1.0171420	0.9789664		-3.8	20
1,2,3,4,7,8-HxCDF	A	50.000	50.2	1.1406820	1.1462940		0.5	20
1,2,3,6,7,8-HxCDF	A	50.000	48.4	1.0892170	1.0537910		-3.3	20
2,3,4,6,7,8-HxCDF	A	50.000	49.4	1.1814840	1.1664750		-1.3	20
1,2,3,7,8,9-HxCDF	A	50.000	48.7	1.1099540	1.0808560		-2.6	20
1,2,3,4,7,8-HxCDD	A	50.000	50.5	1.0172780	1.0267530		0.9	20
1,2,3,6,7,8-HxCDD	A	50.000	52.0	0.9644562	1.0020990		3.9	20
1,2,3,7,8,9-HxCDD	A	50.000	53.2	0.9481378	1.0087740		6.4	20
1,2,3,4,6,7,8-HpCDF	A	50.000	49.4	1.2670090	1.2513280		-1.2	20
1,2,3,4,7,8,9-HpCDF	A	50.000	48.3	1.2951710	1.2520810		-3.3	20
1,2,3,4,6,7,8-HpCDD	A	50.000	49.7	1.0509220	1.0453660		-0.5	20
OCDF	A	100.00	109	1.0671380	1.1654660		9.2	20
OCDD	A	100.00	98.9	1.0297990	1.0185330		-1.1	20
13C12-2,3,7,8-TCDF	A	100.00	101	1.5145410	1.5282040		0.9	30
13C12-2,3,7,8-TCDD	A	100.00	105	0.8721411	0.9148897		4.9	30
13C12-1,2,3,7,8-PeCDF	A	100.00	101	1.2760880	1.2920806		1.3	30
13C12-2,3,4,7,8-PeCDF	A	100.00	103	1.2570200	1.3004880		3.5	30
13C12-1,2,3,7,8-PeCDD	A	100.00	107	0.7543716	0.8083325		7.2	30
13C12-1,2,3,4,7,8-HxCDF	A	100.00	92.4	1.4308690	1.3215047		-7.6	30
13C12-1,2,3,6,7,8-HxCDF	A	100.00	93.9	1.5517170	1.4571251		-6.1	30
13C12-2,3,4,6,7,8-HxCDF	A	100.00	93.8	1.3486910	1.2652568		-6.2	30
13C12-1,2,3,7,8,9-HxCDF	A	100.00	104	1.1112340	1.1555361		4.0	30
13C12-1,2,3,4,7,8-HxCDD	A	100.00	94.1	1.1060120	1.0406981		-5.9	30
13C12-1,2,3,6,7,8-HxCDD	A	100.00	93.3	1.1646380	1.0863196		-6.7	30
13C12-1,2,3,4,6,7,8-HpCDF	A	100.00	95.6	1.1595440	1.1083783		-4.4	30
13C12-1,2,3,4,7,8,9-HpCDF	A	100.00	117	0.7577241	0.8856950		16.9	30
13C12-1,2,3,4,6,7,8-HpCDD	A	100.00	103	0.8721821	0.9017205		3.4	30

\* Values outside of QC limits



Quantify Sample Summary Report MassLynx MassLynx V4.1 SCN909

Dataset: C:\MassLynx\Dioxin.pro\170224OP.qld  
 Last Altered: Monday, February 27, 2017 09:31:01 Pacific Standard Time  
 Printed: Monday, February 27, 2017 09:32:19 Pacific Standard Time

Method: C:\MassLynx\Dioxin.pro\MethDB\Dioxin170224.mdb 27 Feb 2017 09:30:36  
 Calibration: C:\MassLynx\Dioxin.pro\CurveDB\170124ICAL.cdb 25 Jan 2017 09:33:34

ID: CS301, Name: 17022402, Date: 24-Feb-2017, Time: 14:07:36, Conditions: AUTOSPEC01, User: PK

Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	SIN	EMPC?	pg
2378-TCDF	25.570	1.001	1.21e5	1.61e5	0.924	0.749	0.770	2146	3312	1.70e6	2.28e6	791.6	NO	10.308
12378-PeCDF	29.688	1.000	6.71e5	4.54e5	0.954	1.479	1.550	4513	4634	9.74e6	6.62e6	2158.0	NO	47.065
23478-PeCDF	31.036	1.000	7.46e5	4.86e5	0.966	1.533	1.550	4513	4634	1.12e7	7.23e6	2476.0	NO	50.578
123478-HxCDF	34.708	1.001	6.08e5	5.02e5	1.141	1.211	1.240	4507	4171	8.94e6	7.43e6	1983.9	NO	50.246
234678-HxCDF	35.804	1.001	5.99e5	4.82e5	1.181	1.243	1.240	4507	4171	8.82e6	7.20e6	1956.0	NO	49.365
123678-HxCDF	34.851	1.000	6.16e5	5.09e5	1.089	1.209	1.240	4507	4171	8.96e6	7.36e6	1987.5	NO	48.374
123789-HxCDF	36.944	1.001	5.04e5	4.11e5	1.110	1.224	1.240	4507	4171	7.23e6	5.92e6	1604.7	NO	48.689
1234678-HpCDF	39.005	1.000	5.14e5	5.02e5	1.267	1.023	1.050	3114	2208	7.61e6	7.49e6	2444.4	NO	49.381
1234789-HpCDF	41.614	1.000	4.07e5	4.05e5	1.295	1.005	1.050	3114	2208	5.32e6	5.28e6	1707.1	NO	48.336
OCDF	46.724	1.006	6.29e5	7.28e5	1.067	0.864	0.890	1610	2608	6.30e6	7.39e6	3914.8	NO	109.214
2378-TCDD	26.198	1.001	9.01e4	1.12e5	1.150	0.803	0.770	2101	1219	1.24e6	1.58e6	590.0	NO	9.917
12378-PeCDD	31.299	1.001	4.71e5	2.97e5	1.017	1.587	1.550	2710	2595	6.83e6	4.33e6	2519.3	NO	48.123
123478-HxCDD	35.936	1.000	4.36e5	3.47e5	1.017	1.256	1.240	2943	3272	6.64e6	5.30e6	2256.3	NO	50.466
123678-HxCDD	36.068	1.001	4.43e5	3.54e5	0.964	1.251	1.240	2943	3272	6.40e6	5.16e6	2175.2	NO	51.951
123789-HxCDD	36.495	1.012	4.39e5	3.47e5	0.948	1.264	1.240	2943	3272	6.54e6	5.16e6	2222.4	NO	53.198
1234678-HpCDD	40.770	1.001	3.49e5	3.42e5	1.051	1.020	1.050	1952	2262	4.85e6	4.61e6	2483.3	NO	49.736
OCDD	46.464	1.001	5.59e5	6.27e5	1.030	0.892	0.890	1677	2733	5.83e6	6.56e6	3473.7	NO	98.906
13C-2378-TCDF	25.555	1.007	1.30e6	1.66e6	1.515	0.780	0.770	11700	4362	1.86e7	2.37e7	1588.4	NO	100.902
13C-12378-PeCDF	29.677	1.169	1.53e6	9.74e5	1.276	1.574	1.550	4773	2136	2.27e7	1.42e7	4759.7	NO	101.253
13C-23478-PeCDF	31.025	1.223	1.54e6	9.78e5	1.257	1.579	1.550	4773	2136	2.27e7	1.45e7	4751.4	NO	103.458
13C-123478-HxCDF	34.686	0.951	6.55e5	1.28e6	1.431	0.511	0.510	2214	7847	9.55e6	1.89e7	4314.4	NO	92.357
13C-123678-HxCDF	34.840	0.955	7.34e5	1.40e6	1.552	0.524	0.510	2214	7847	1.05e7	2.00e7	4747.0	NO	93.904
13C-234678-HxCDF	35.783	0.981	6.41e5	1.21e6	1.349	0.529	0.510	2214	7847	9.68e6	1.83e7	4372.5	NO	93.814
13C-123789-HxCDF	36.923	1.012	5.77e5	1.12e6	1.111	0.518	0.510	2214	7847	8.23e6	1.58e7	3717.4	NO	103.987
13C-1234678-HpCDF	38.994	1.069	5.13e5	1.11e6	1.160	0.461	0.440	2325	2962	7.46e6	1.67e7	3210.7	NO	95.587
13C-1234789-HpCDF	41.603	1.141	4.01e5	8.97e5	0.758	0.447	0.440	2325	2962	5.23e6	1.16e7	2251.5	NO	116.889
13C-1234-TCDD	25.376	0.000	8.59e5	1.08e6	1.000	0.795	0.770	4244	1996	1.26e7	1.59e7	2971.9	NO	100.000
13C-2378-TCDD	26.183	1.032	7.89e5	9.86e5	0.872	0.800	0.770	4244	1996	1.13e7	1.43e7	2673.8	NO	104.902
13C-23378-PeCDD	31.277	1.233	9.55e5	6.13e5	0.754	1.559	1.550	1684	1880	1.42e7	9.04e6	8443.8	NO	107.153
13C-123478-HxCDD	35.925	0.985	8.56e5	6.69e5	1.106	1.281	1.240	2794	1781	1.32e7	1.03e7	4721.1	NO	94.095
13C-123678-HxCDD	36.046	0.988	8.85e5	7.06e5	1.165	1.253	1.240	2794	1781	1.26e7	1.01e7	4509.2	NO	93.275
13C-1234678-HpCDD	40.748	1.117	6.74e5	6.47e5	0.872	1.041	1.050	2030	2651	9.19e6	8.79e6	4527.1	NO	103.387
13C-OCDD	46.437	1.273	1.10e6	1.23e6	0.655	0.895	0.890	2671	2451	1.14e7	1.27e7	4253.8	NO	242.628

**Quantify Sample Summary Report**      **MassLynx MassLynx V4.1 SCN909**

Dataset: C:\MassLynx\Dioxin.pro\170224OP.qld

Last Altered: Monday, February 27, 2017 09:31:01 Pacific Standard Time

Printed: Monday, February 27, 2017 09:32:19 Pacific Standard Time

**ID: CS301, Name: 17022402, Date: 24-Feb-2017, Time: 14:07:36, Conditions: AUTOSPEC01, User: PK**

Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	pg
13C-123789-HxCDD	36.473	0.000	8.16e5	6.49e5	1.000	1.256	1.240	2794	1781	1.23e7	9.72e6	4397.5	NO	100.000
Total-tetrafurans			3.95e5	0.924			2146			5.60e6				33.491
Total-penta1			9.79e5				846			1.36e7				70.227
Total-pentafurans			2.22e6	0.960			4513			3.25e7				152.938
Total-hexafurans			2.95e6	1.130			4507			4.33e7				249.425
Total-heptafurans			9.23e5	1.281			3114			1.30e7				97.911
Total-Furans			8.10e6	1.100			2146			1.14e8				713.250
Total-tetra-dioxins			4.71e5	1.150			2101			6.02e6				53.064
Total-pentadioxins			1.83e6	1.017			2710			2.26e7				187.647
Total-hexadioxins			1.80e6	0.977			2943			2.66e7				212.176
Total-heptadioxins			7.50e5	1.051			1952			1.06e7				105.836
Total-Dioxins			5.41e6	1.025			2101			7.16e7				657.630
Total-TEQ			1.35e7				2101			1.86e8				1370.880
37CL-2378-TCDD	26.198	1.032	2.11e5	1.073			2304			3.00e6		1302.7		10.141
FUNCTION1 PFK			1.05e7				1337654			7.75e7				
FUNCTION2 PFK			8.74e4				254919			2.91e6				0.000
FUNCTION3 PFK			5.96e5				762385			1.93e7				0.000
FUNCTION4 PFK			2.41e5				503946			9.53e6				
FUNCTION5 PFK			1.38e6				437833			4.17e7				
FUNCTION1 HXCDPE			3.96e2				555			9.82e3				0.000
FUNCTION1 HPCDPE			8.75e2				1123			1.79e4				0.000
FUNCTION2 HPCDPE			1.44e3				1296			3.16e4				0.000
FUNCTION3 OCDPE			0.00e0				325			0.00e0				
FUNCTION4 NCDPE			0.00e0				894			0.00e0				
FUNCTION5 DCDPE			7.42e1				487			3.81e3				0.000



Quantify Sample Report MassLynx MassLynx V4.1 SCN909

Dataset: C:\MassLynx\Dioxin.pro\170224OP.qld  
Last Altered: Monday, February 27, 2017 09:31:01 Pacific Standard Time  
Printed: Monday, February 27, 2017 09:32:19 Pacific Standard Time

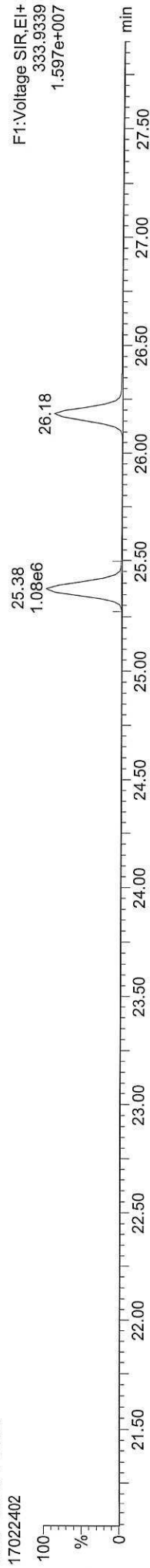
Method: C:\MassLynx\Dioxin.pro\MethDB\Dioxin170224.mdb 27 Feb 2017 09:30:36  
Calibration: C:\MassLynx\Dioxin.pro\CurveDB\170124ICAL.cdb 25 Jan 2017 09:33:34

ID: CS301, Name: 17022402, Date: 24-Feb-2017, Time: 14:07:36, Conditions: AUTOSPEC01, User: PK

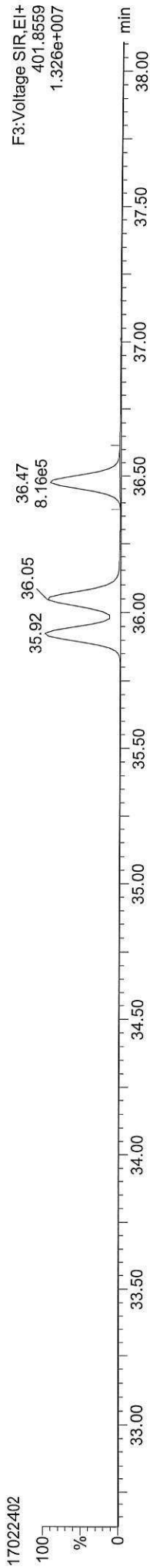
13C-1234-TCDD



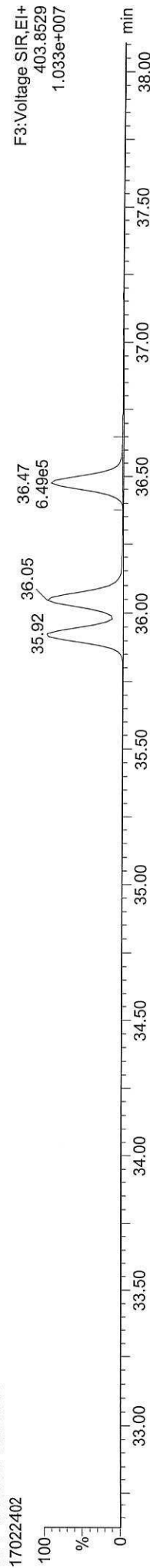
13C-1234-TCDD



13C-123789-HxCDD



13C-123789-HxCDD



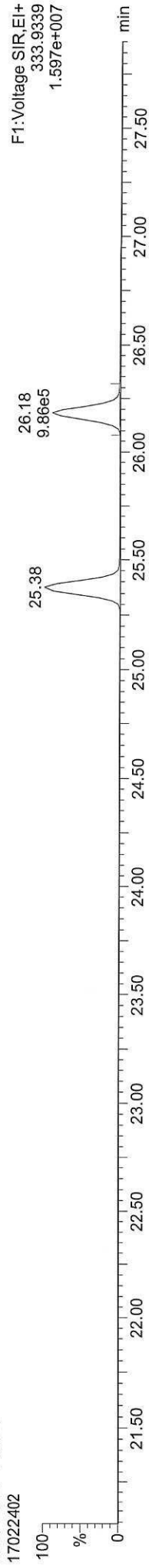
**Quantify Sample Report**    **MassLynx MassLynx V4.1 SCN909**  
Dataset: C:\MassLynx\Dioxin.pro\170224OP.qld  
Last Altered: Monday, February 27, 2017 09:31:01 Pacific Standard Time  
Printed: Monday, February 27, 2017 09:32:19 Pacific Standard Time

**ID: CS301, Name: 170222402, Date: 24-Feb-2017, Time: 14:07:36, Conditions: AUTOSPEC01, User: PK**

**13C-2378-TCDD**



**13C-2378-TCDD**



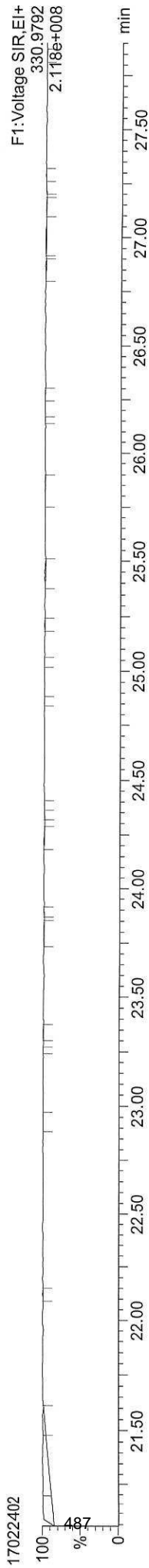
**Total-tetradoxins**



**Total-tetradoxins**



**FUNCTION1 PFK**



Quantify Sample Report MassLynx MassLynx V4.1 SCN909

Dataset: C:\MassLynx\Dioxin.pro\170224OP.qld  
Last Altered: Monday, February 27, 2017 09:31:01 Pacific Standard Time  
Printed: Monday, February 27, 2017 09:32:19 Pacific Standard Time

ID: CS301, Name: 17022402, Date: 24-Feb-2017, Time: 14:07:36, Conditions: AUTOSPEC01, User: PK

13C-2378-TCDF



13C-2378-TCDF



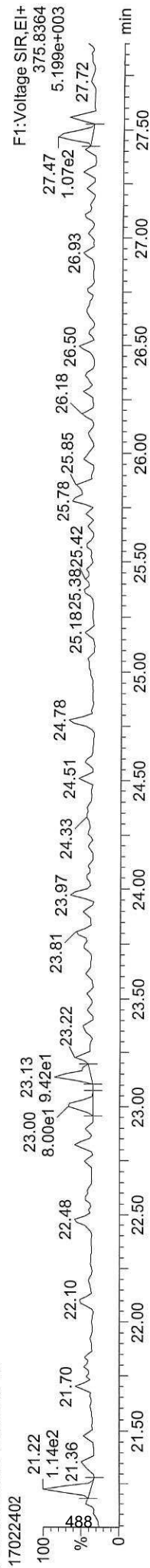
Total-tetrafurans



Total-tetrafurans



FUNCTION1 HXCDPE

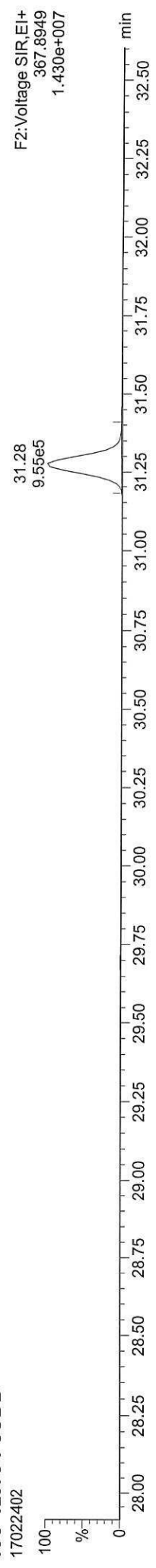


Quantify Sample Report MassLynx V4.1 SCN909

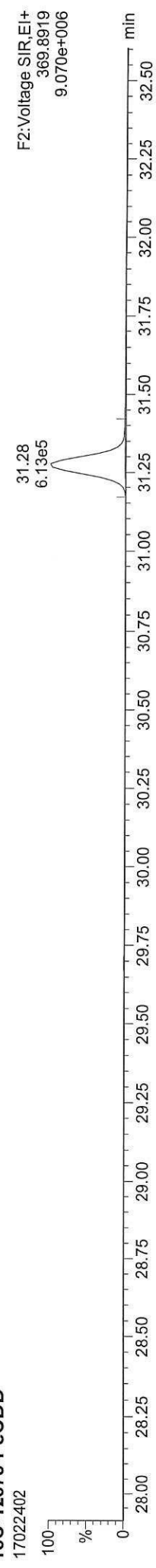
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Last Altered: Monday, February 27, 2017 09:31:01 Pacific Standard Time  
Printed: Monday, February 27, 2017 09:32:19 Pacific Standard Time

ID: CS301, Name: 17022402, Date: 24-Feb-2017, Time: 14:07:36, Conditions: AUTOSPEC01, User: PK

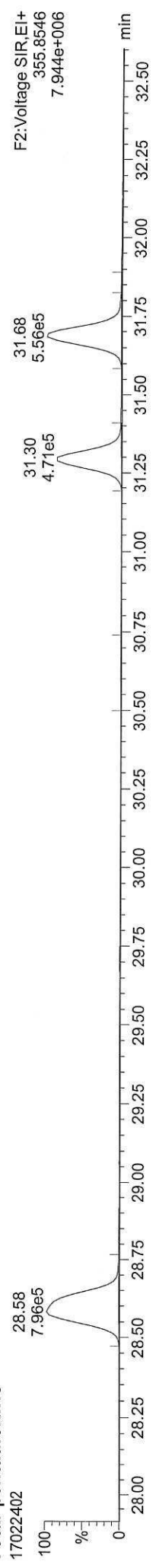
13C-12378-PeCDD



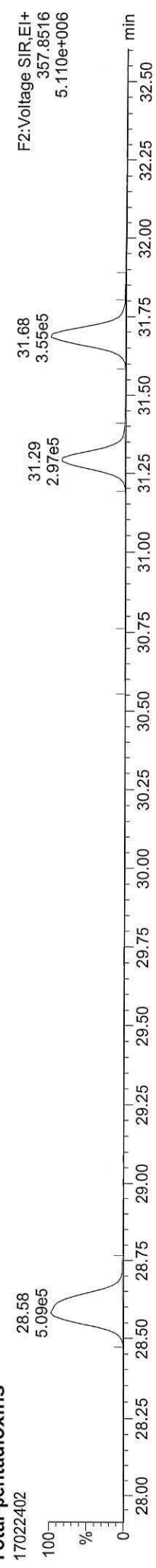
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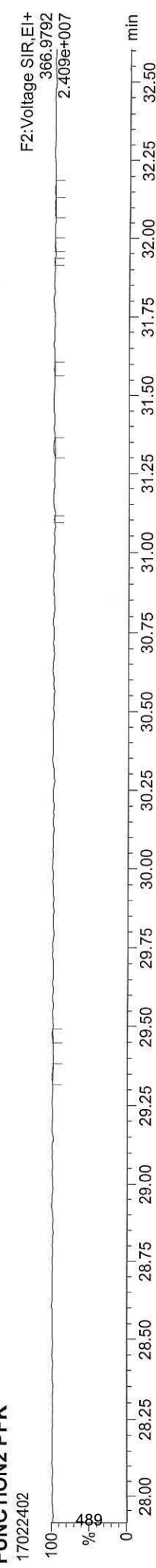
Total-pentadioxins



Total-pentadioxins



FUNCTION2 PFK

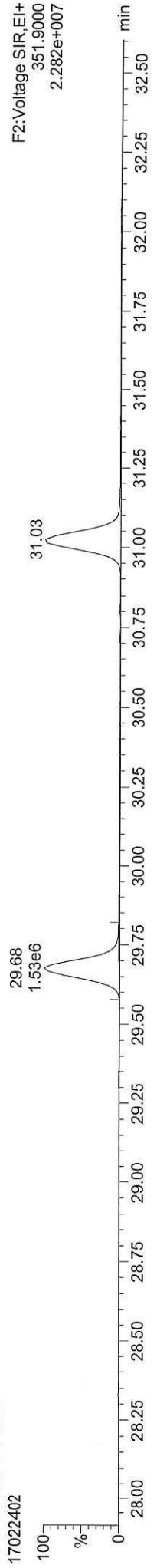


Quantify Sample Report MassLynx MassLynx V4.1 SCN909

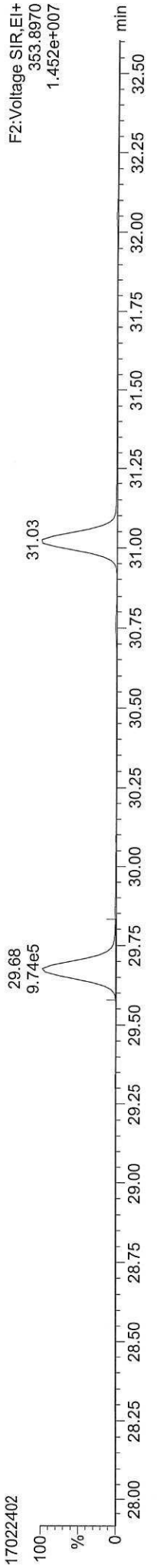
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Last Altered: Monday, February 27, 2017 09:31:01 Pacific Standard Time  
Printed: Monday, February 27, 2017 09:32:19 Pacific Standard Time

ID: CS301, Name: 17022402, Date: 24-Feb-2017, Time: 14:07:36, Conditions: AUTOSPEC01, User: PK

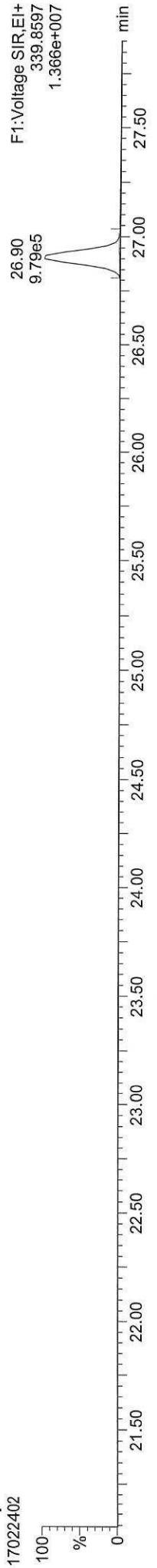
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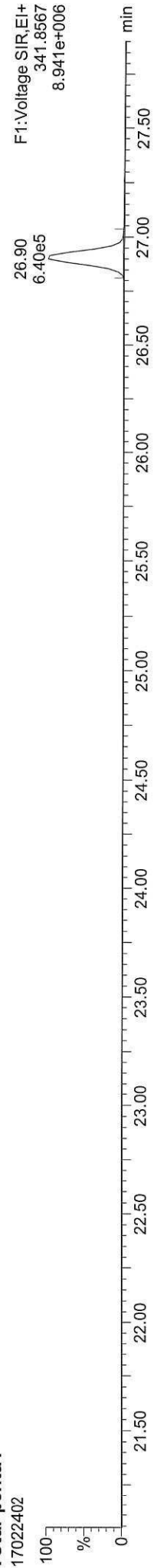
13C-12378-PeCDF



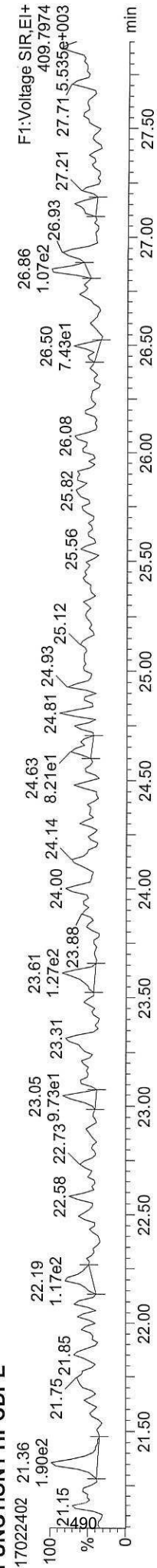
Total-penta1



Total-penta1



FUNCTION1 HPCDFE

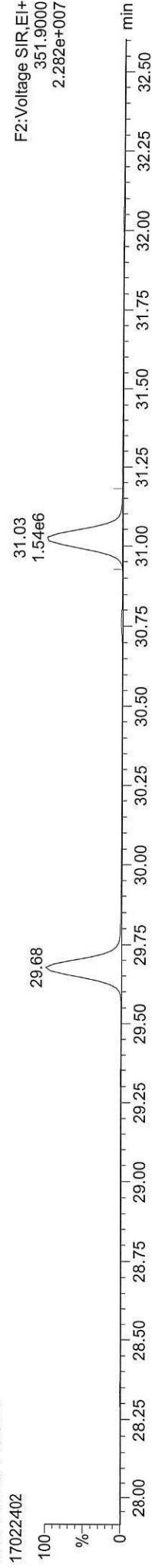


Quantify Sample Report MassLynx MassLynx V4.1 SCN909

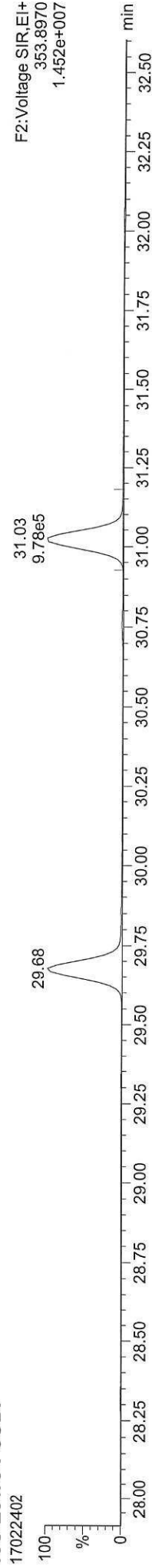
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Last Altered: Monday, February 27, 2017 09:31:01 Pacific Standard Time  
Printed: Monday, February 27, 2017 09:32:19 Pacific Standard Time

ID: CS301, Name: 17022402, Date: 24-Feb-2017, Time: 14:07:36, Conditions: AUTOSPEC01, User: PK

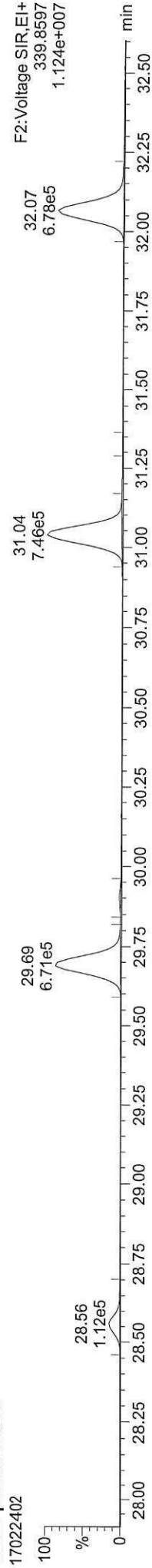
13C-23478-PeCDF



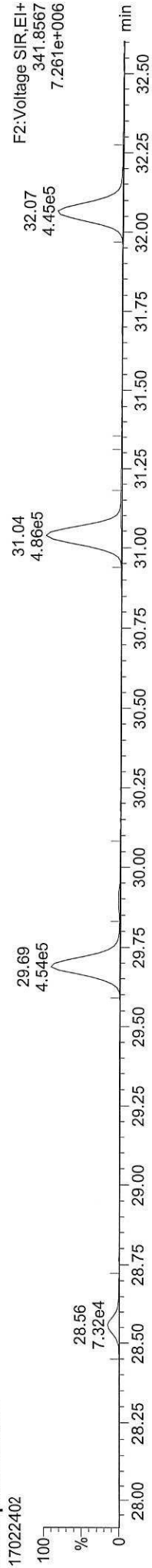
13C-23478-PeCDF



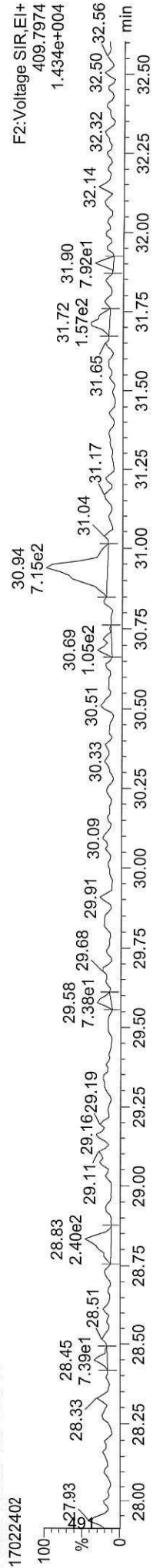
Total-pentafulrans



Total-pentafulrans



FUNCTION2 HPCDPE

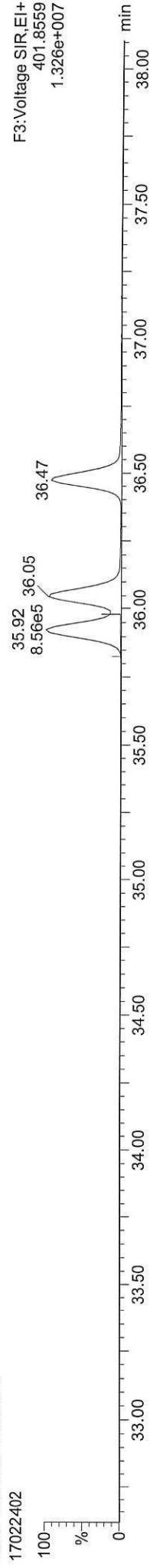


Quantify Sample Report MassLynx MassLynx V4.1 SCN909

Dataset: C:\MassLynx\DIoxin.pro\170224OP.qld  
Last Altered: Monday, February 27, 2017 09:31:01 Pacific Standard Time  
Printed: Monday, February 27, 2017 09:32:19 Pacific Standard Time

ID: CS301, Name: 17022402, Date: 24-Feb-2017, Time: 14:07:36, Conditions: AUTOSPEC01, User: PK

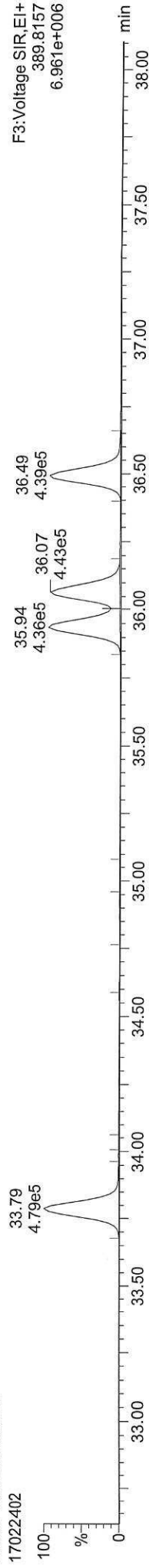
13C-123478-HxCDD



13C-123478-HxCDD



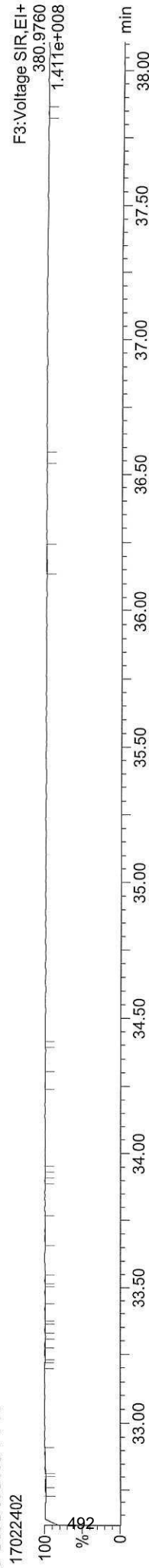
Total-hexadioxins



Total-hexadioxins



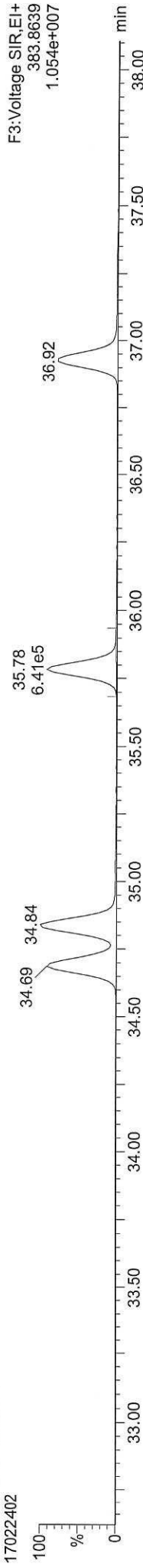
FUNCTION3 PFK



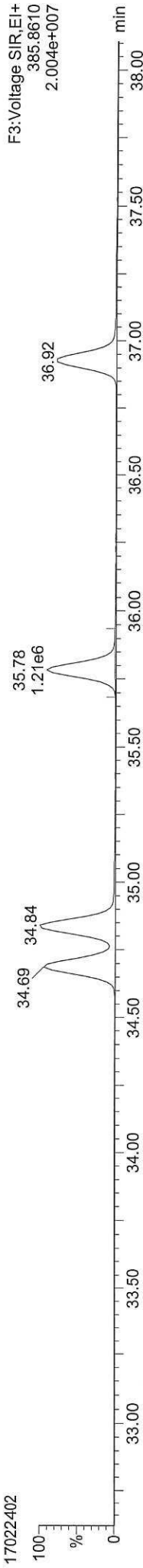
**Quantify Sample Report**      **MassLynx MassLynx V4.1 SCN909**  
Dataset: C:\MassLynx\Dioxin.pro\170224OP.qld  
Last Altered: Monday, February 27, 2017 09:31:01 Pacific Standard Time  
Printed: Monday, February 27, 2017 09:32:19 Pacific Standard Time

**ID: CS301, Name: 17022402, Date: 24-Feb-2017, Time: 14:07:36, Conditions: AUTOSPEC01, User: PK**

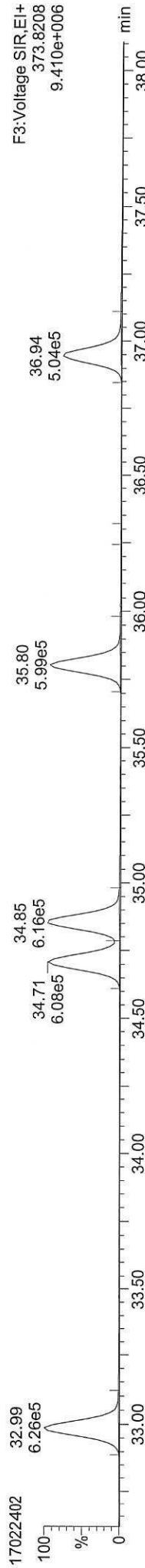
**13C-234678-HxCDF**  
17022402



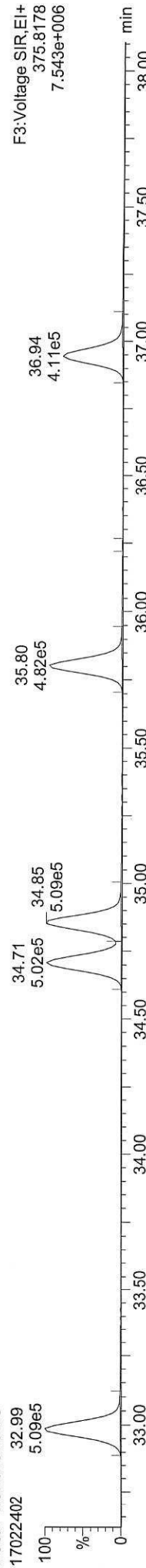
**13C-234678-HxCDF**  
17022402



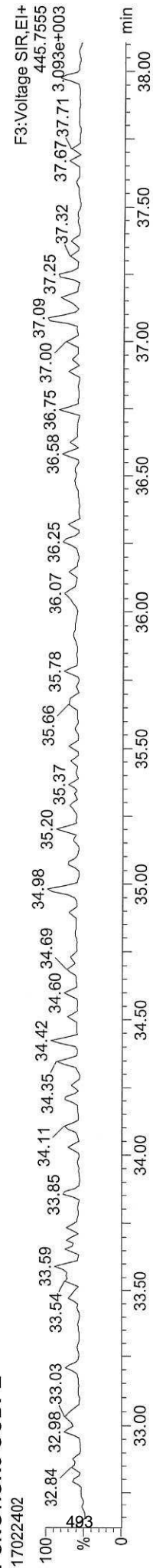
**Total-hexafurans**



**Total-hexafurans**



**FUNCTION3 OCDFE**





**Quantify Sample Report**    **MassLynx MassLynx V4.1 SCN909**  
Dataset: C:\MassLynx\Dioxin.pro\170224OP.qld  
Last Altered: Monday, February 27, 2017 09:31:01 Pacific Standard Time  
Printed: Monday, February 27, 2017 09:32:19 Pacific Standard Time

**ID: CS301, Name: 17022402, Date: 24-Feb-2017, Time: 14:07:36, Conditions: AUTOSPEC01, User: PK**

**13C-1234678-HpCDD**



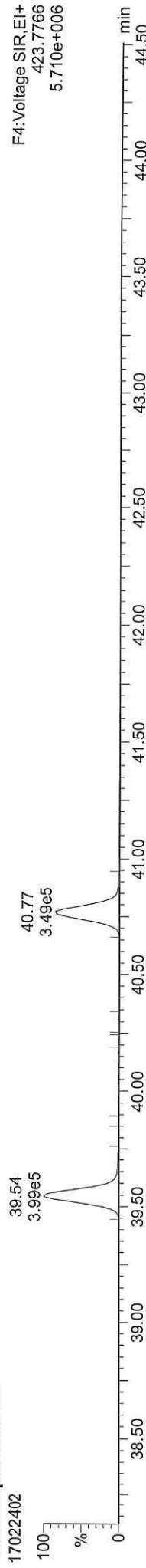
F4: Voltage SIR, EI+  
435.8169  
9.238e+006

**13C-1234678-HpCDD**



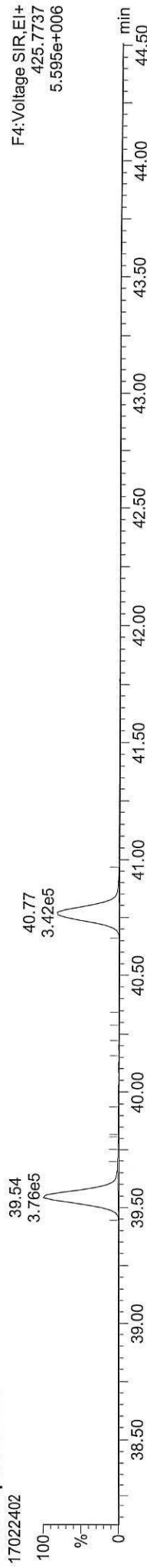
F4: Voltage SIR, EI+  
437.8140  
8.834e+006

**Total-heptadioxins**



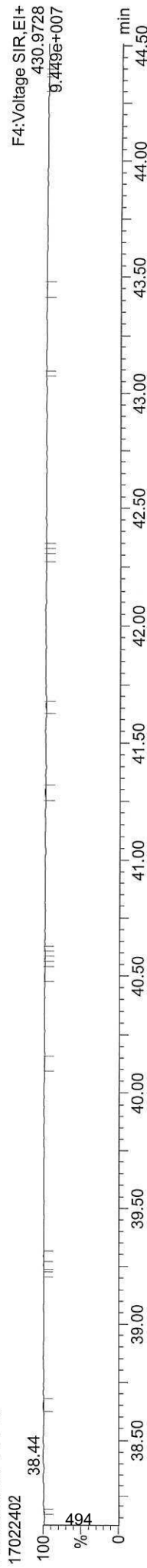
F4: Voltage SIR, EI+  
423.7766  
5.710e+006

**Total-heptadioxins**



F4: Voltage SIR, EI+  
425.7737  
5.595e+006

**FUNCTION4 PFK**



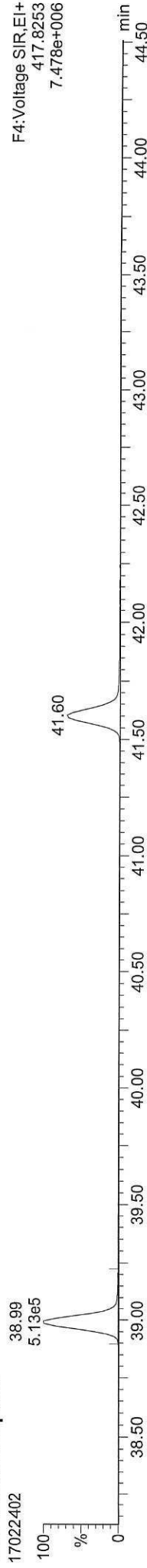
F4: Voltage SIR, EI+  
430.9728  
9.449e+007

Quantify Sample Report MassLynx MassLynx V4.1 SCN909

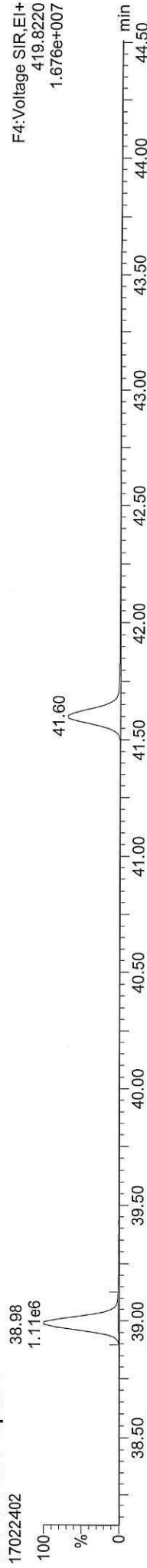
Dataset: C:\MassLynx\Dioxin.pro\170224OP.qld  
Last Altered: Monday, February 27, 2017 09:31:01 Pacific Standard Time  
Printed: Monday, February 27, 2017 09:32:19 Pacific Standard Time

ID: CS301, Name: 17022402, Date: 24-Feb-2017, Time: 14:07:36, Conditions: AUTOSPEC01, User: PK

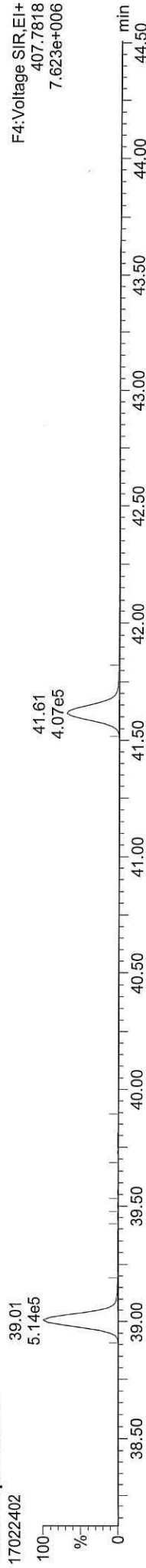
13C-1234678-HpCDF



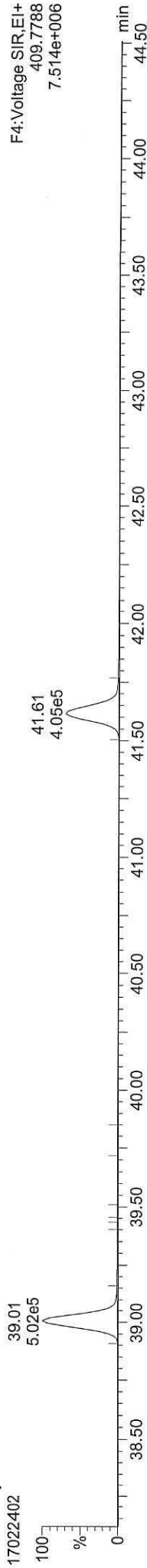
13C-1234678-HpCDF



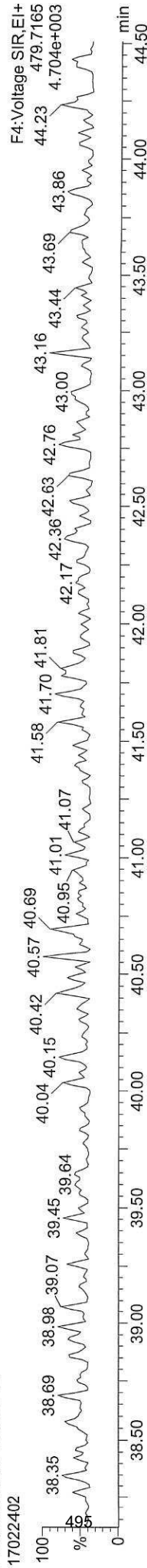
Total-heptafurans



Total-heptafurans



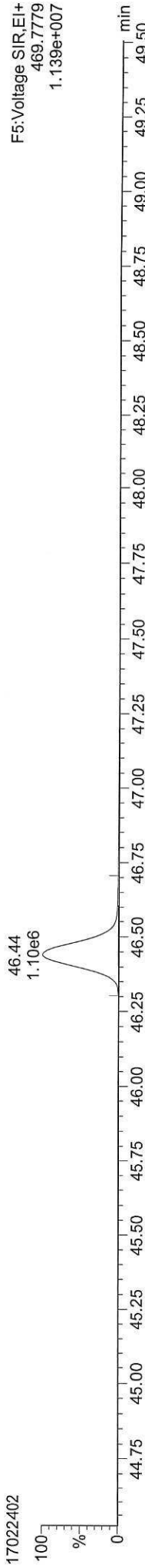
FUNCTION4 NCDPE



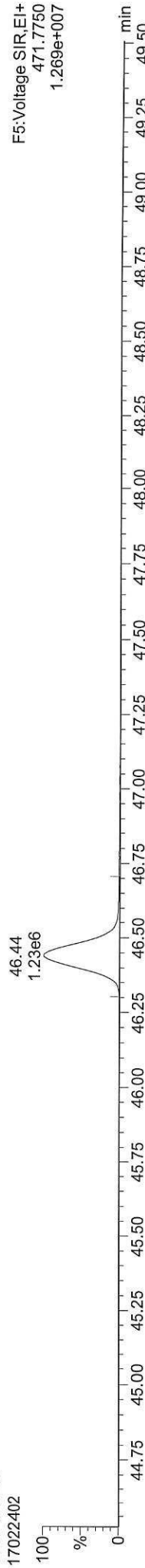
**Quantify Sample Report**    **MassLynx MassLynx V4.1 SCN909**  
Dataset: C:\MassLynx\Dioxin.pro\170224OP.qld  
Last Altered: Monday, February 27, 2017 09:31:01 Pacific Standard Time  
Printed: Monday, February 27, 2017 09:32:19 Pacific Standard Time

**ID: CS301, Name: 17022402, Date: 24-Feb-2017, Time: 14:07:36, Conditions: AUTOSPEC01, User: PK**

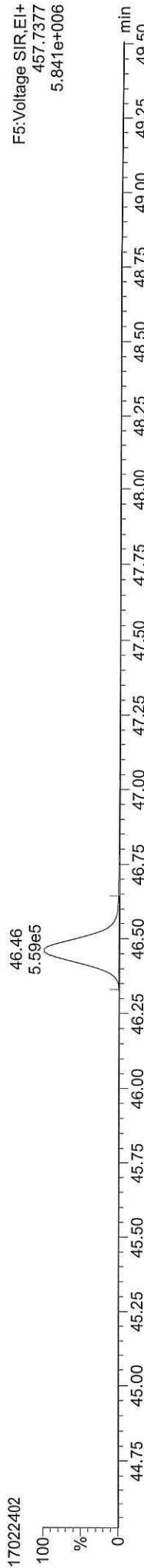
**13C-OCDD**  
17022402



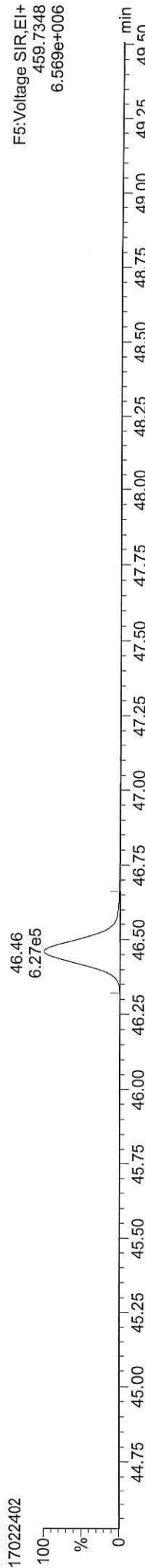
**13C-OCDD**  
17022402



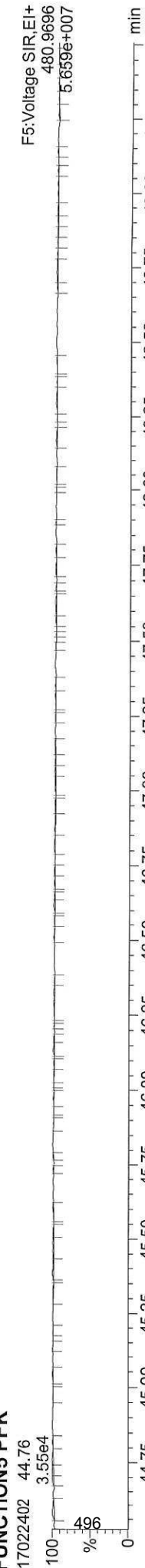
**OCDD**  
17022402



**OCDD**  
17022402



**FUNCTION5 PFK**  
17022402 44.76

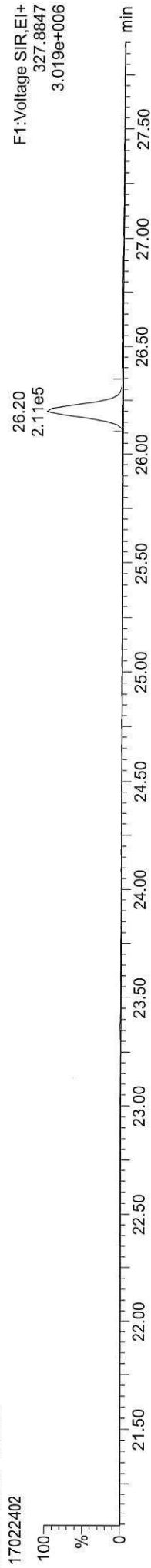


Quantify Sample Report MassLynx MassLynx V4.1 SCN909

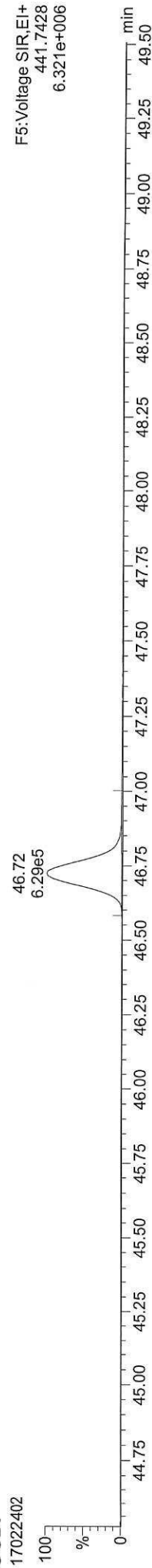
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Last Altered: Monday, February 27, 2017 09:31:01 Pacific Standard Time  
Printed: Monday, February 27, 2017 09:32:19 Pacific Standard Time

ID: CS301, Name: 17022402, Date: 24-Feb-2017, Time: 14:07:36, Conditions: AUTOSPEC01, User: PK

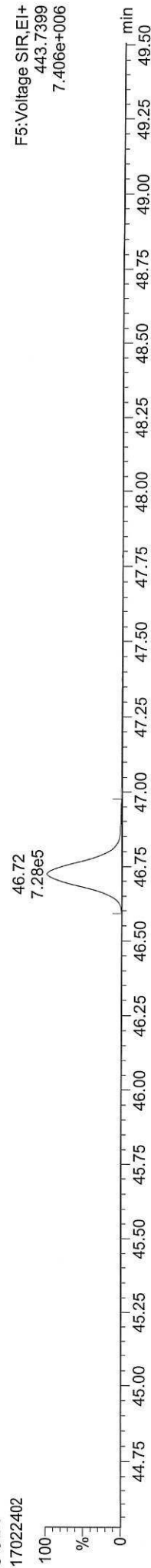
37CL-2378-TCDD



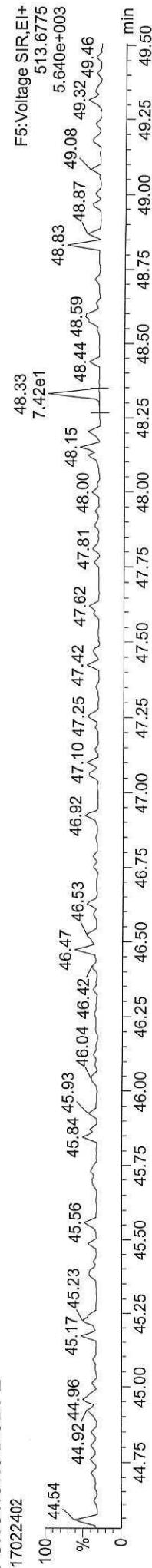
OCDF



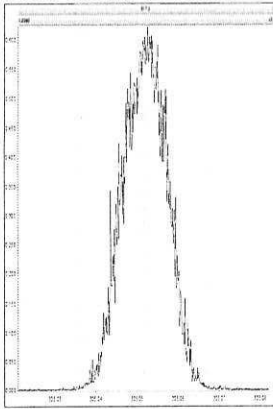
OCDF



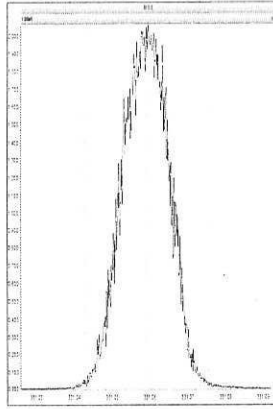
FUNCTION5 DCDPE



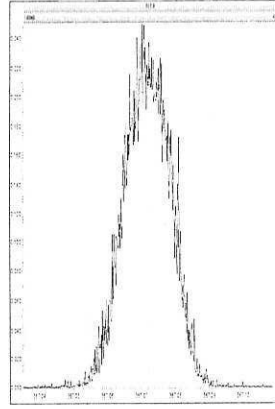
M 304.9824 R 13094



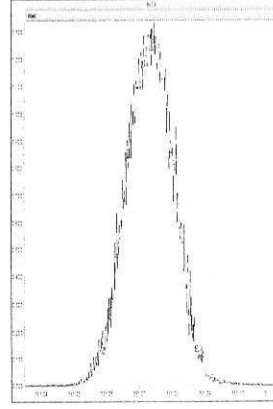
M 330.9792 R 12986



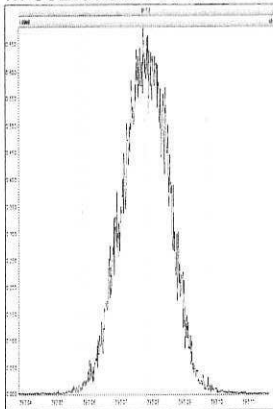
M 366.9792 R 12515



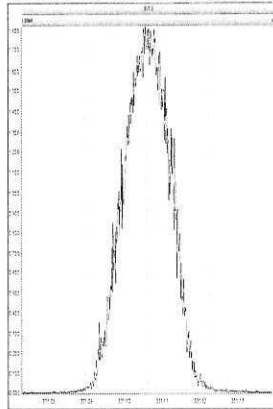
M 380.9760 R 11494



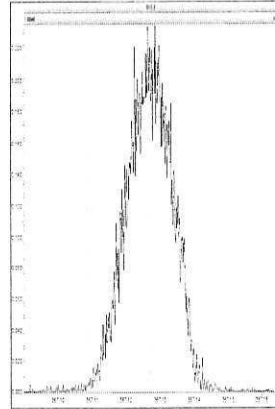
M 392.9760 R 11746



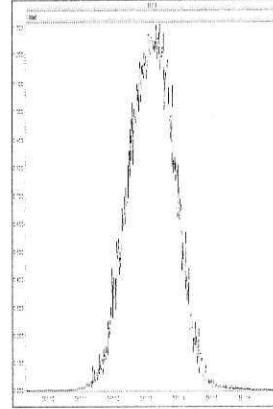
M 330.9792 R 12472



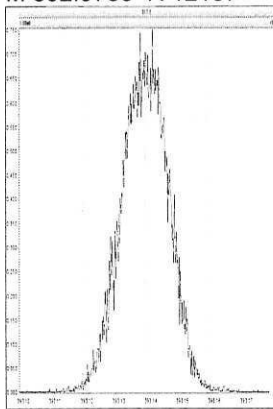
M 366.9792 R 12926



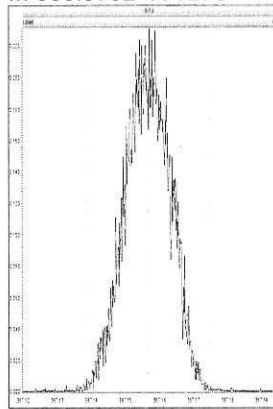
M 380.9760 R 12317



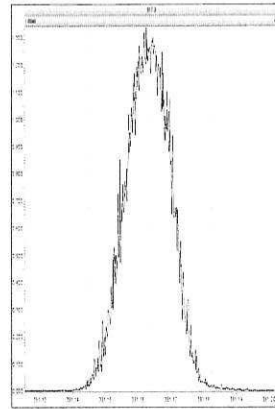
M 392.9760 R 12107



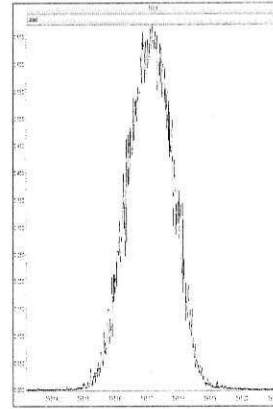
M 366.9792 R 12757



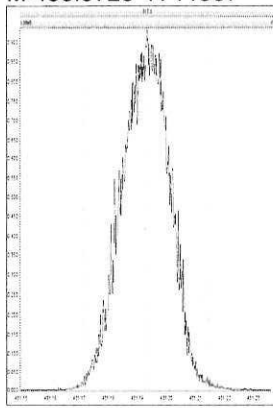
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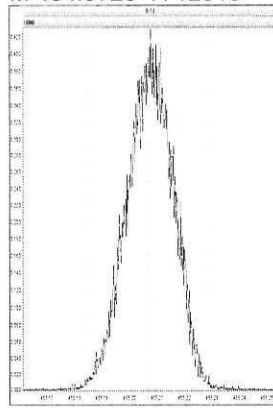
M 392.9760 R 12376



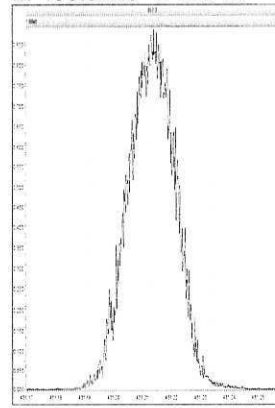
M 430.9728 R 11907



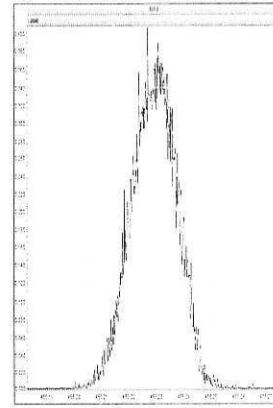
M 454.9728 R 12315



M 430.9728 R 12416

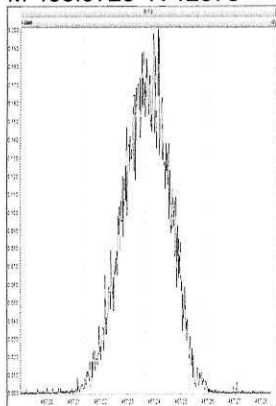


M 454.9728 R 12412

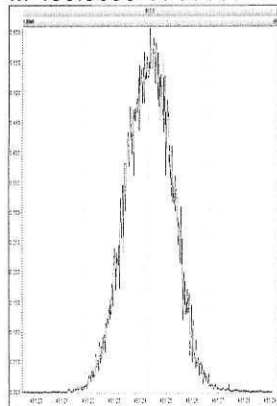


Printed: Friday, February 24, 2017 14:06:49 Pacific Standard Time

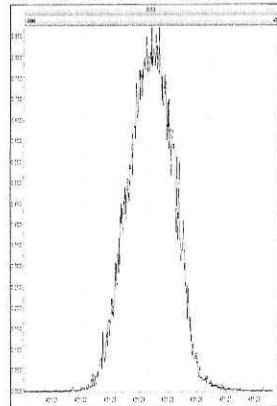
M 466.9728 R 12376



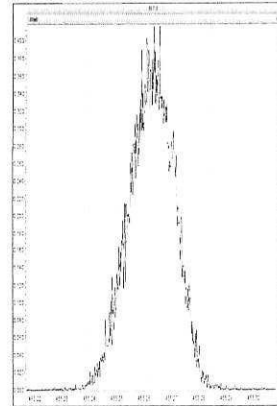
M 480.9696 R 11441



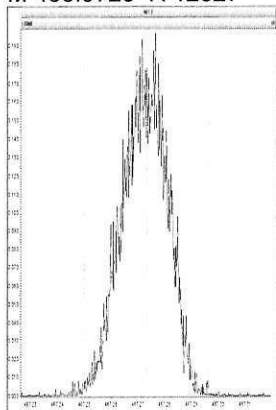
M 430.9728 R 12793



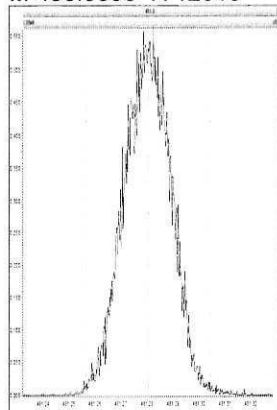
M 454.9728 R 12530



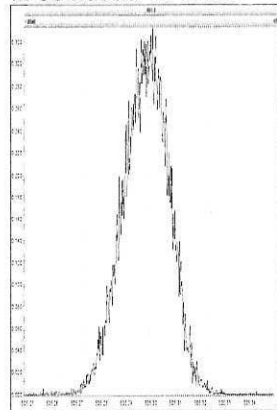
M 466.9728 R 12627



M 480.9696 R 12315

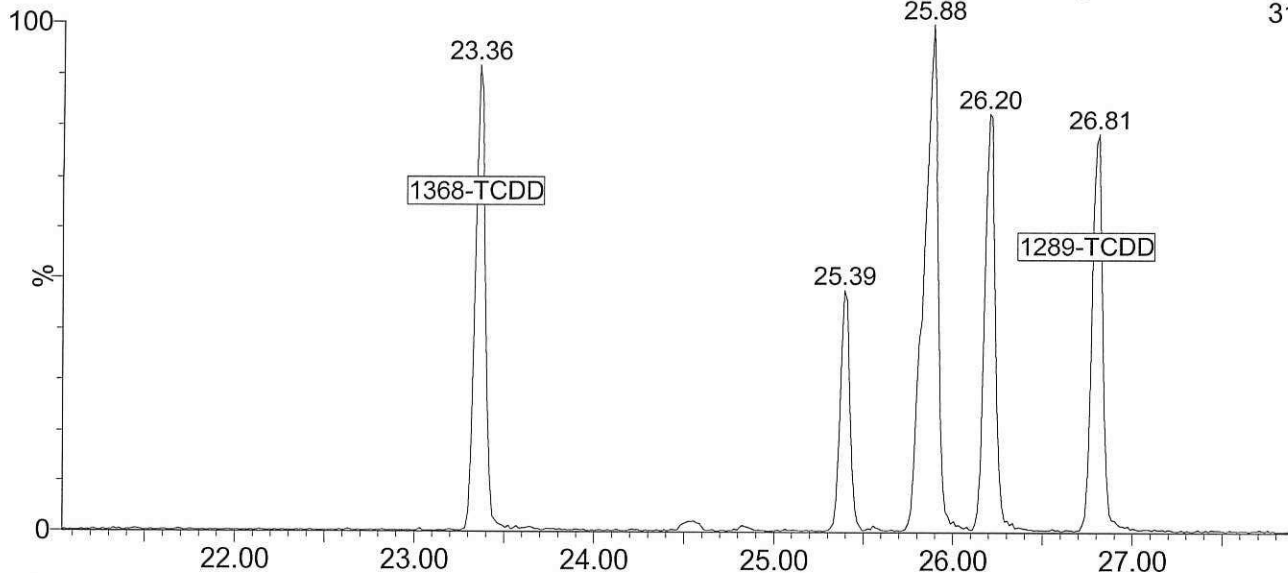


M 504.9696 R 11857



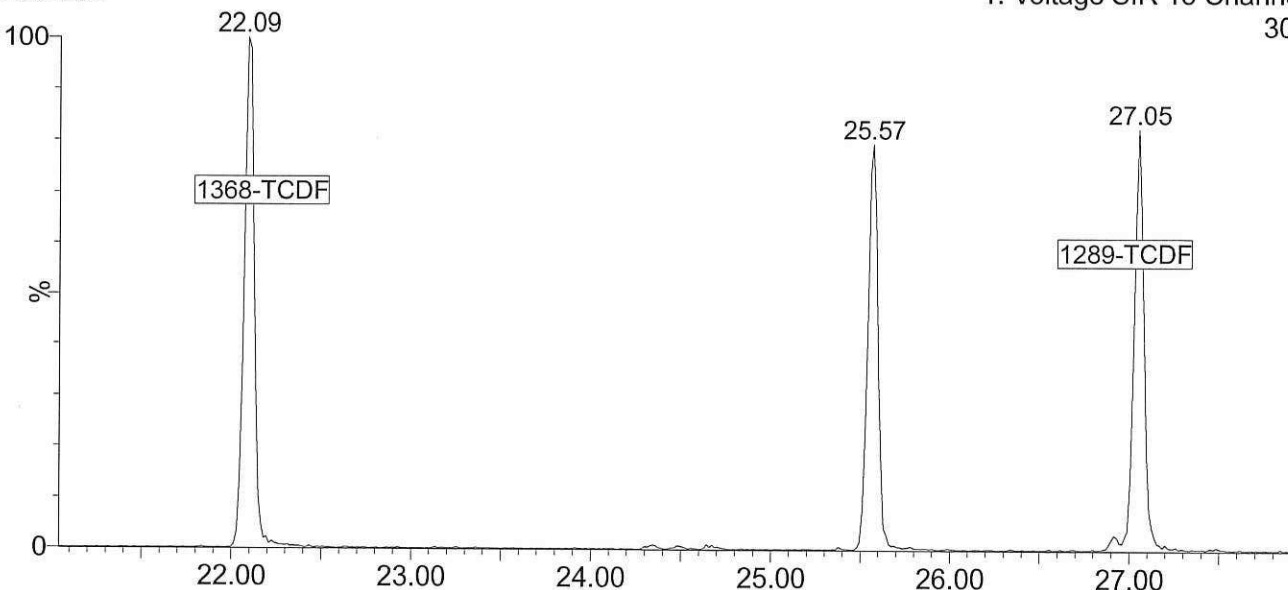
17022402

1: Voltage SIR 15 Channels EI+  
319.8965  
1.62e6



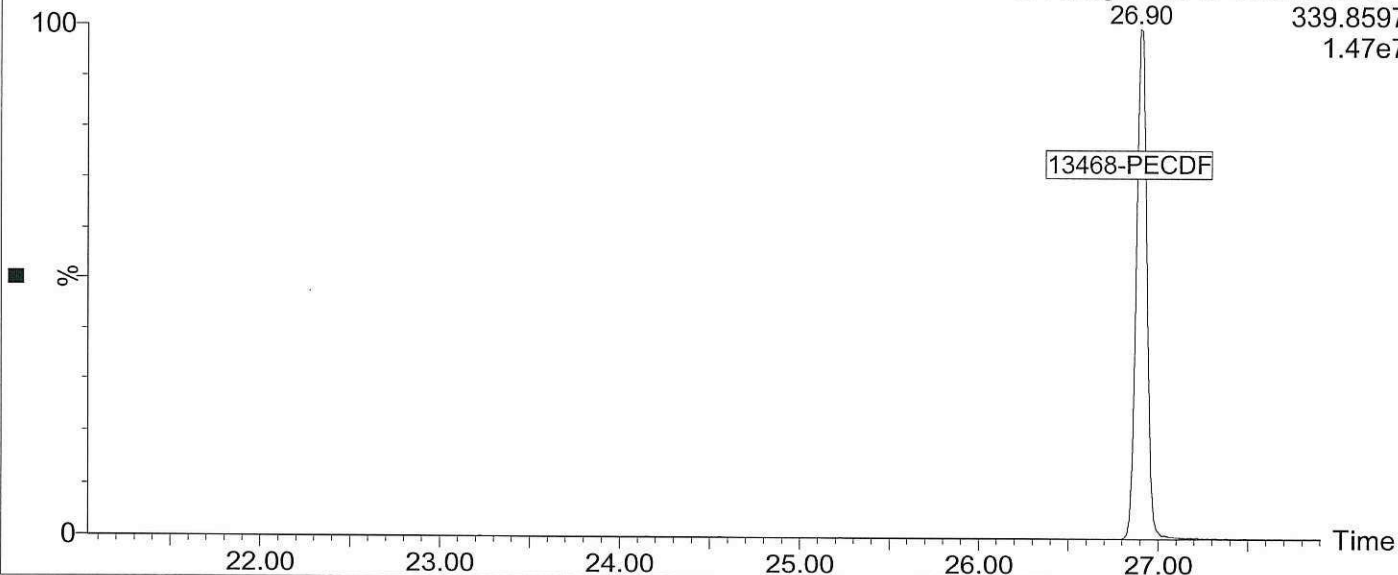
17022402

1: Voltage SIR 15 Channels EI+  
303.9016  
2.29e6



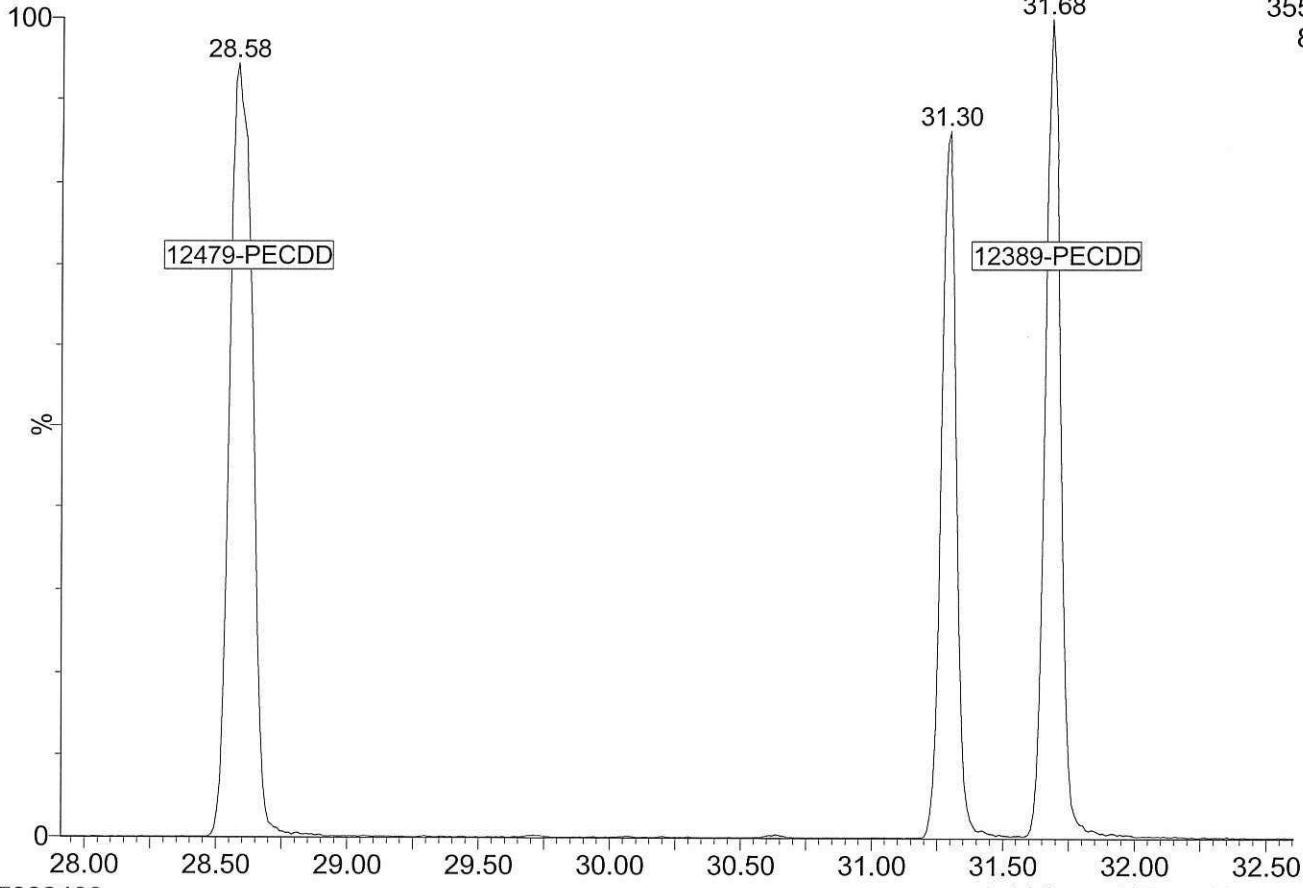
17022402

1: Voltage SIR 15 Channels EI+  
339.8597  
1.47e7



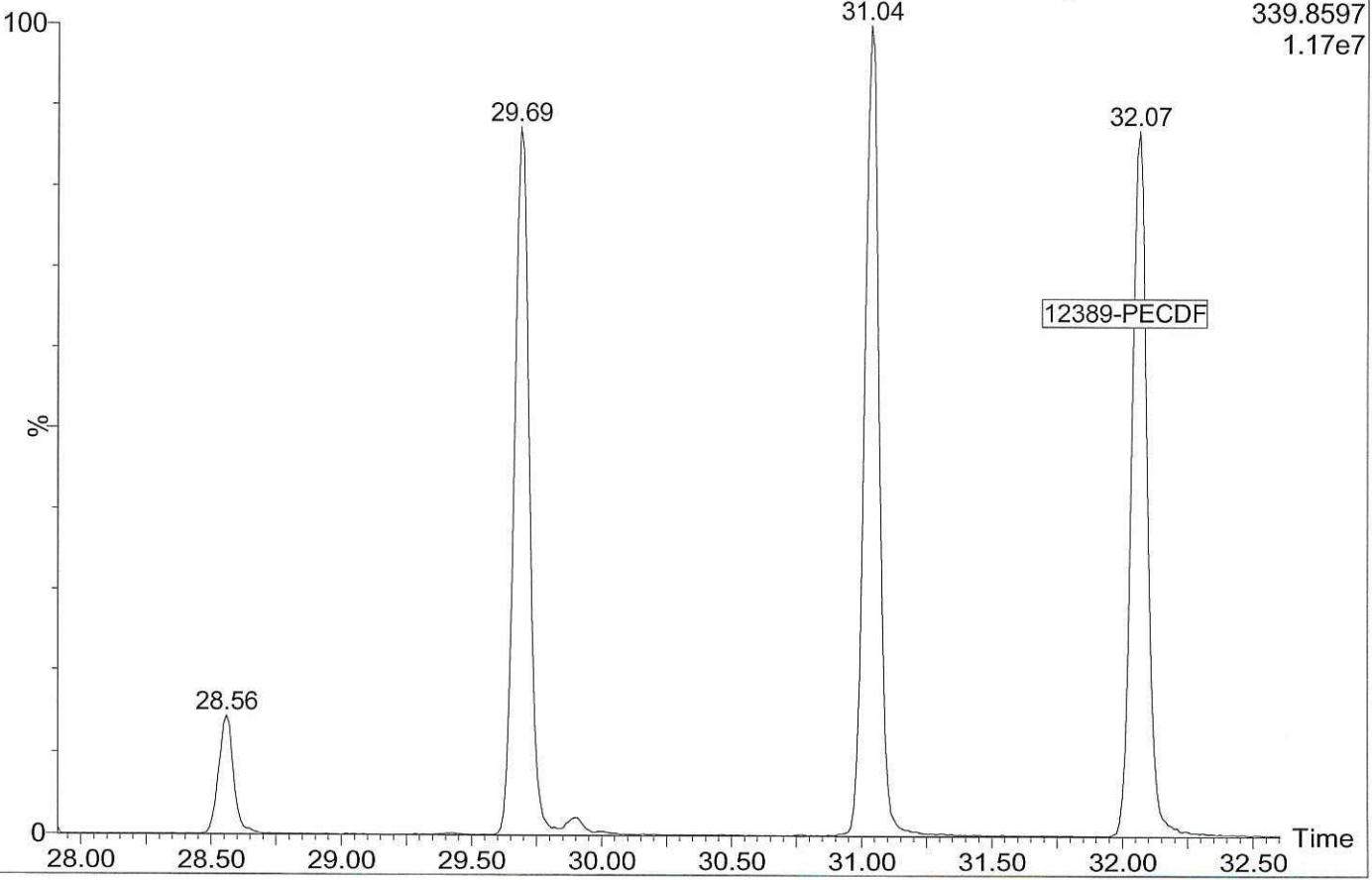
17022402

2: Voltage SIR 11 Channels EI+  
355.8546  
8.35e6



17022402

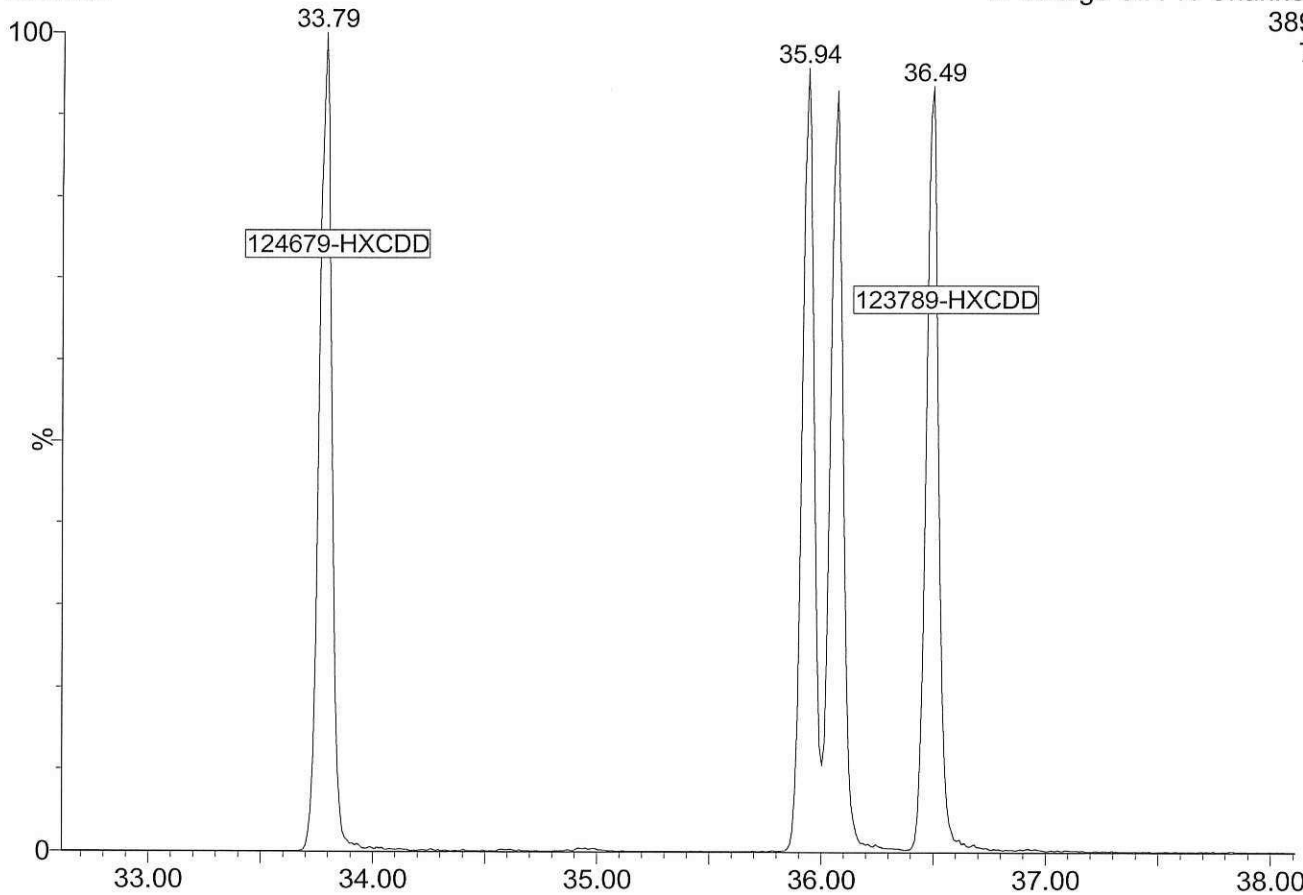
2: Voltage SIR 11 Channels EI+  
339.8597  
1.17e7





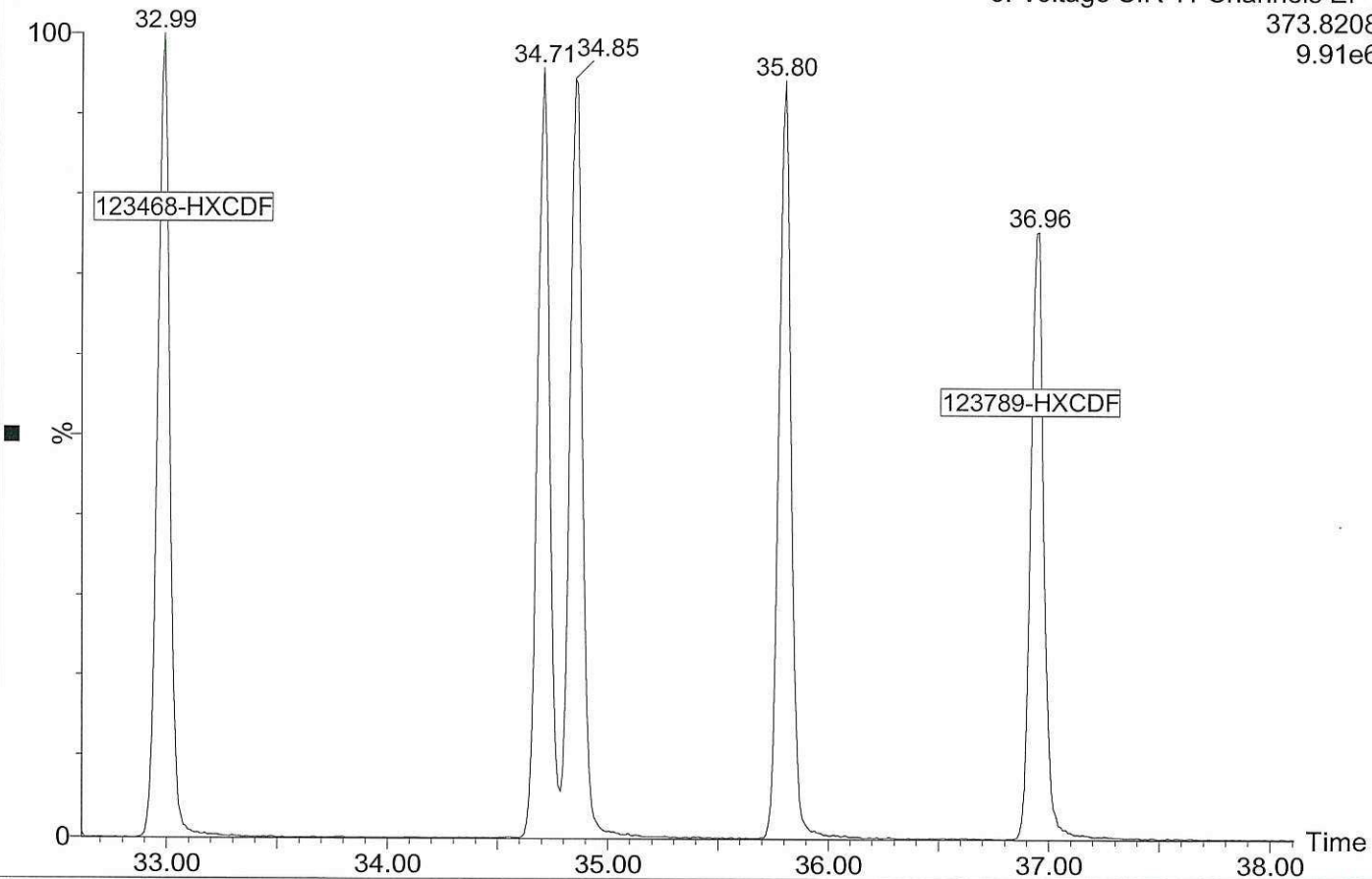
17022402

3: Voltage SIR 11 Channels EI+  
389.8157  
7.35e6



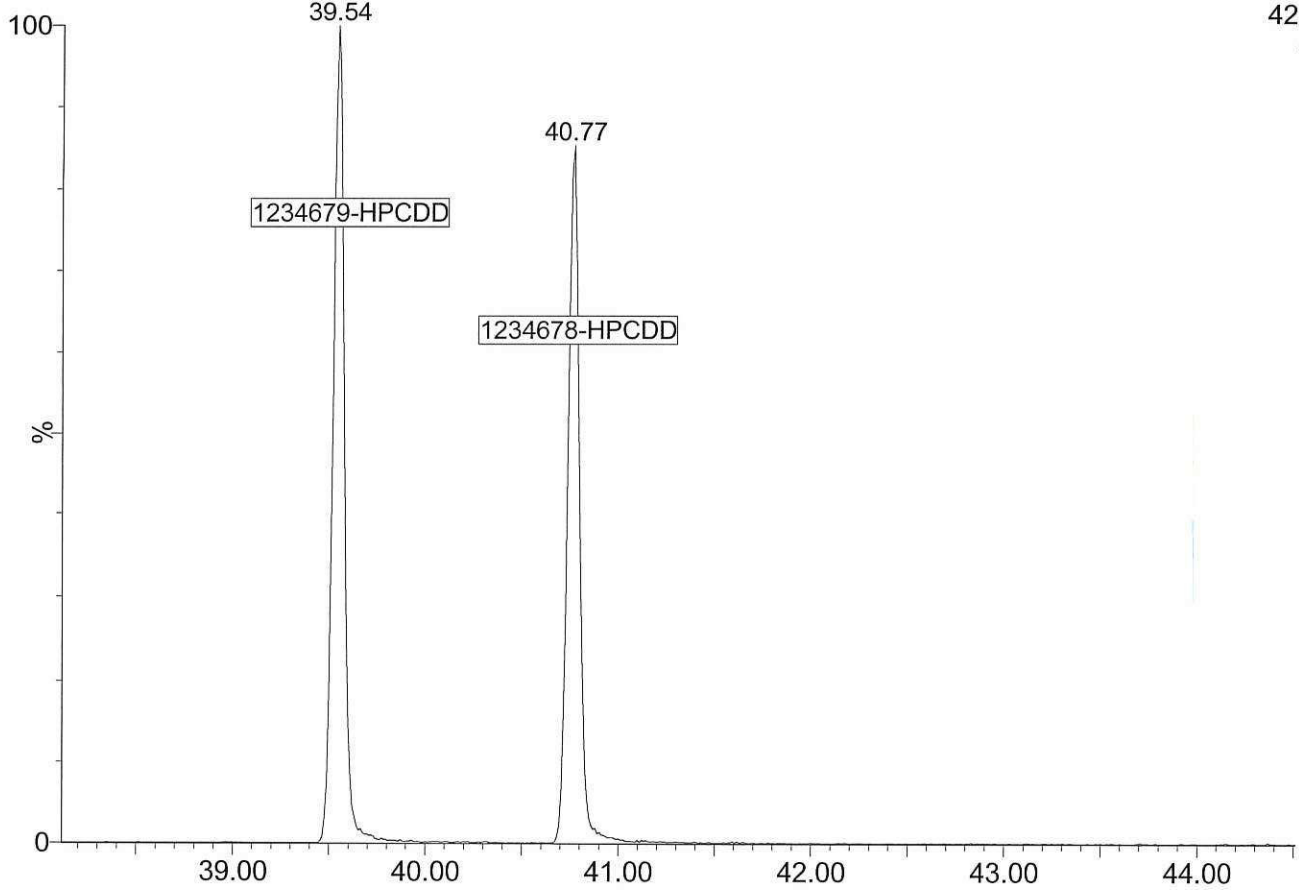
17022402

3: Voltage SIR 11 Channels EI+  
373.8208  
9.91e6



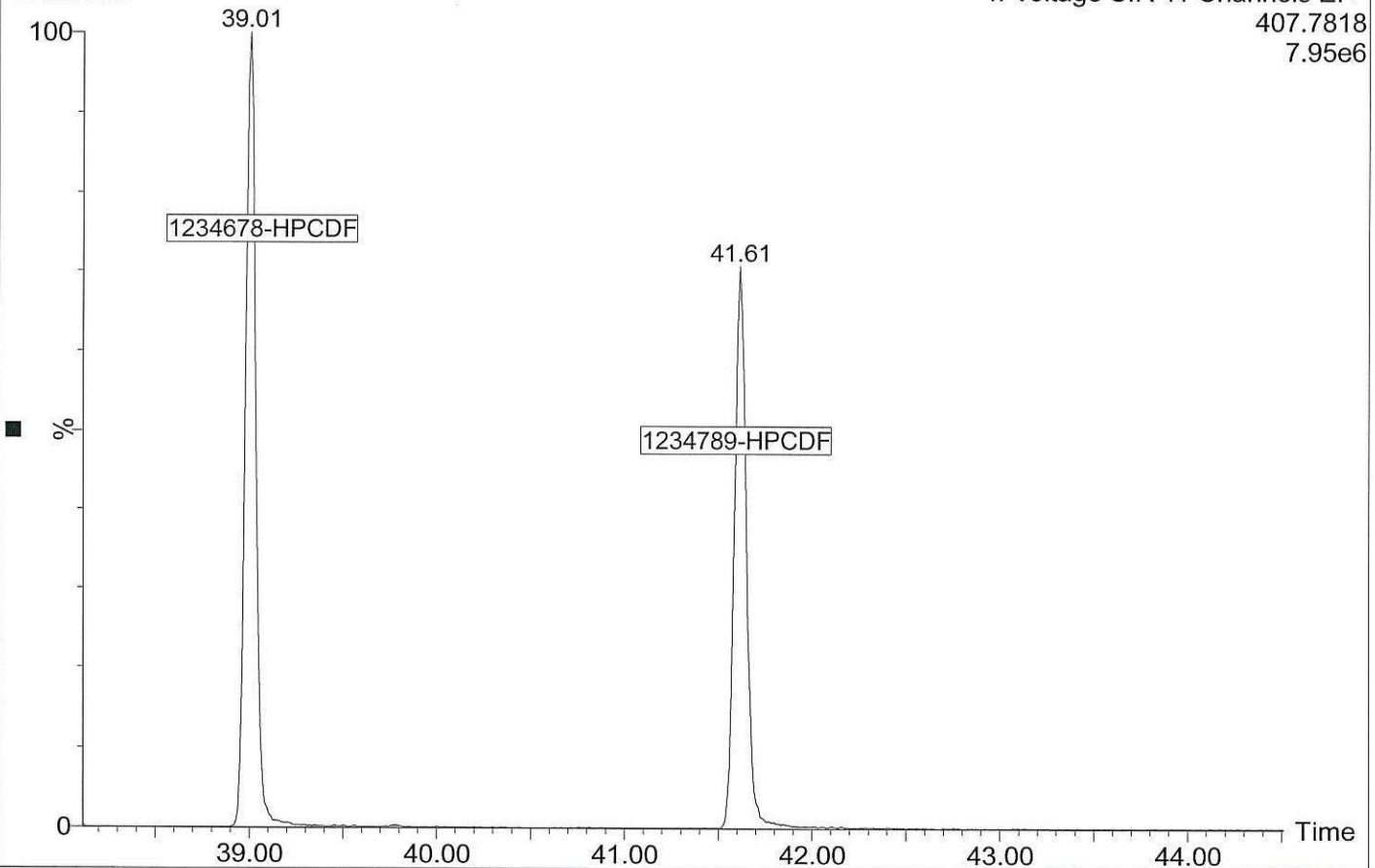
17022402

4: Voltage SIR 11 Channels EI+  
423.7766  
5.98e6



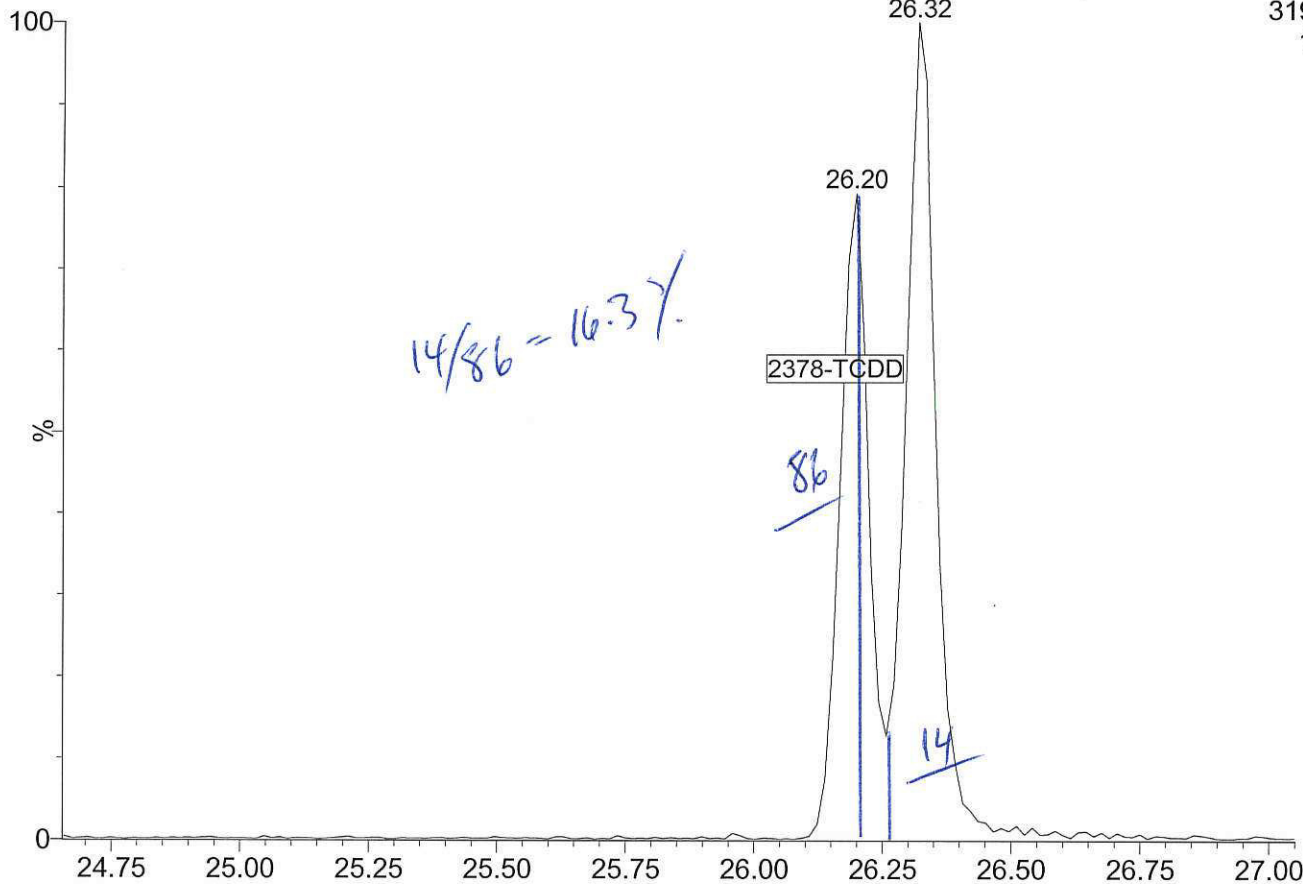
17022402

4: Voltage SIR 11 Channels EI+  
407.7818  
7.95e6



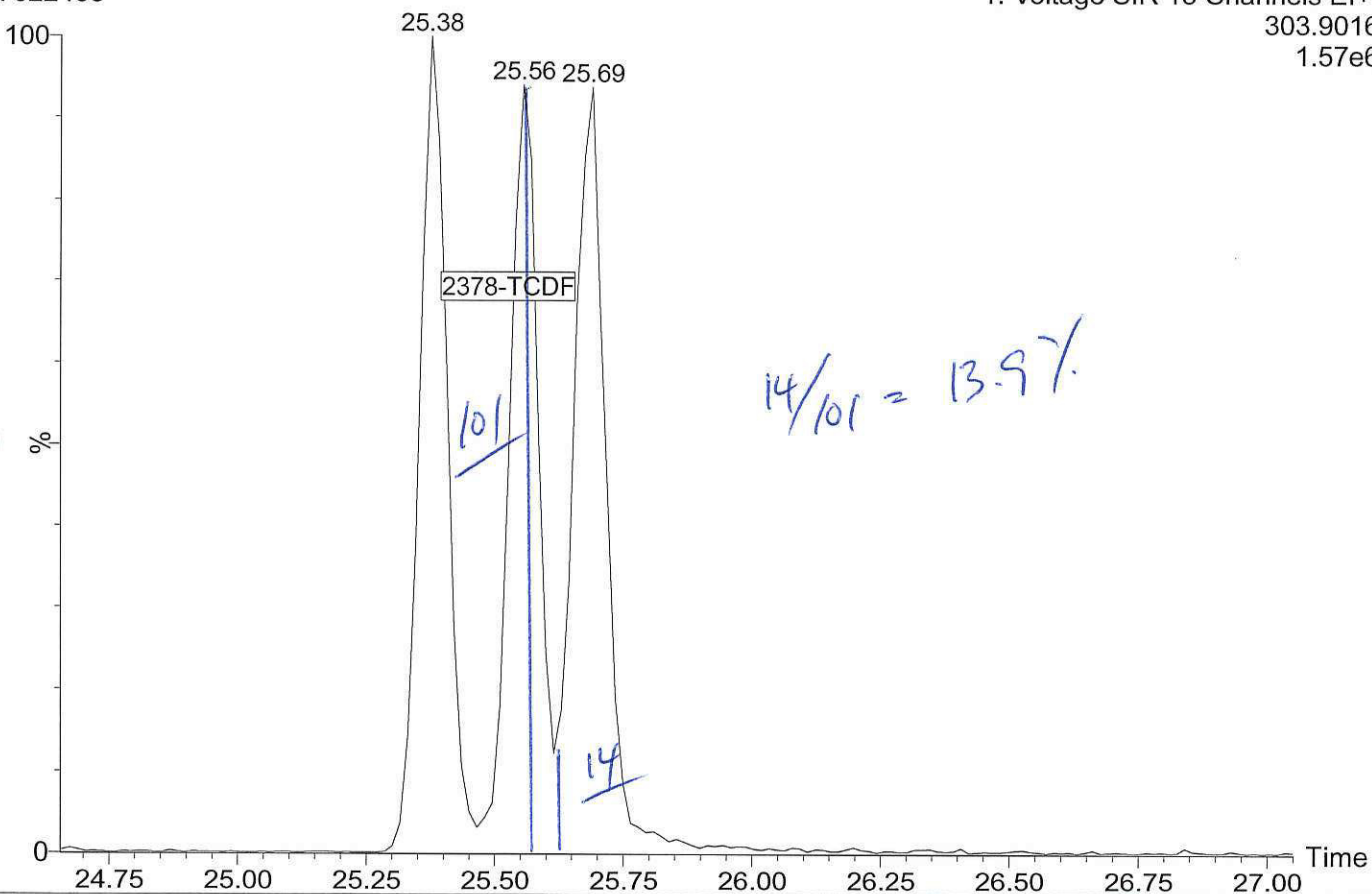
17022403

1: Voltage SIR 15 Channels EI+  
319.8965  
1.36e6



17022403

1: Voltage SIR 15 Channels EI+  
303.9016  
1.57e6





**SECOND-SOURCE  
CONTINUING CALIBRATION CHECK  
EPA 1613B**

Laboratory: Analytical Resources, Inc.

SDG: 17A0053

Client: Anchor QEA, LLC

Project: Port Gamble Shellfish Monitoring

Instrument ID: AUTOSPEC01

Calibration: AA00071

Lab File ID: 17012411

Calibration Date: 01/25/17 11:42

Sequence: SFA0265

Injection Date: 01/24/17

Lab Sample ID: SFA0265-SCV1

Injection Time: 21:57

Sequence Name: ICV

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
2,3,7,8-TCDF	A	10.000	11.0	0.9244412	1.0144430		9.7	16
2,3,7,8-TCDD	A	10.000	10.6	1.1500690	1.2178920		5.9	22
1,2,3,7,8-PeCDF	A	50.000	54.4	0.9538591	1.0371840		8.7	18
2,3,4,7,8-PeCDF	A	50.000	54.3	0.9661353	1.0488870		8.6	18
1,2,3,7,8-PeCDD	A	50.000	53.7	1.0171420	1.0920920		7.4	22
1,2,3,4,7,8-HxCDF	A	50.000	52.3	1.1406820	1.1920710		4.5	10
1,2,3,6,7,8-HxCDF	A	50.000	53.5	1.0892170	1.1657000		7.0	12
2,3,4,6,7,8-HxCDF	A	50.000	54.5	1.1814840	1.2884360		9.1	12
1,2,3,7,8,9-HxCDF	A	50.000	55.7	1.1099540	1.2369860		11.4	10
1,2,3,4,7,8-HxCDD	A	50.000	54.9	1.0172780	1.1163850		9.7	22
1,2,3,6,7,8-HxCDD	A	50.000	54.4	0.9644562	1.0486200		8.7	22
1,2,3,7,8,9-HxCDD	A	50.000	54.0	0.9481378	1.1463.11		8.1	18
1,2,3,4,6,7,8-HpCDF	A	50.000	56.0	1.2670090	1.4192830		12.0	10
1,2,3,4,7,8,9-HpCDF	A	50.000	55.3	1.2951710	1.4328910		10.6	14
1,2,3,4,6,7,8-HpCDD	A	50.000	54.4	1.0509220	1.1428190		8.7	14
OCDF	A	100.00	105	1.0671380	1.1225710		5.2	37
OCDD	A	100.00	106	1.0297990	1.0932890		6.2	21
13C12-2,3,7,8-TCDF	A	100.00	98.0	1.5145410	1.4850053		-2.0	29
13C12-2,3,7,8-TCDD	A	100.00	97.7	0.8721411	0.8518202		-2.3	18
13C12-1,2,3,7,8-PeCDF	A	100.00	94.9	1.2760880	1.2111111		-5.1	24
13C12-2,3,4,7,8-PeCDF	A	100.00	94.1	1.2570200	1.1823725		-5.9	23
13C12-1,2,3,7,8-PeCDD	A	100.00	94.0	0.7543716	0.7093478		-6.0	38
13C12-1,2,3,4,7,8-HxCDF	A	100.00	102	1.4308690	1.4627162		2.2	24
13C12-1,2,3,6,7,8-HxCDF	A	100.00	101	1.5517170	1.5707606		1.2	30
13C12-2,3,4,6,7,8-HxCDF	A	100.00	99.0	1.3486910	1.3352083		-1.0	27
13C12-1,2,3,7,8,9-HxCDF	A	100.00	97.8	1.1112340	1.0866924		-2.2	26
13C12-1,2,3,4,7,8-HxCDD	A	100.00	99.4	1.1060120	1.0993515		-0.6	15
13C12-1,2,3,6,7,8-HxCDD	A	100.00	99.3	1.1646380	1.1560394		-0.7	15
13C12-1,2,3,4,6,7,8-HpCDF	A	100.00	98.6	1.1595440	1.1432129		-1.4	22
13C12-1,2,3,4,7,8,9-HpCDF	A	100.00	96.8	0.7577241	0.7332565		-3.2	23
13C12-1,2,3,4,6,7,8-HpCDD	A	100.00	97.7	0.8721821	0.8520881		-2.3	18
13C12-OCDD	A	200.00	192	0.6553896	0.6289174		-4.0	52
37C14-2,3,7,8-TCDD	A	10.000	10.3	1.0732750	1.1001823		2.5	21

\* Values outside of QC limits



## CONTINUING CALIBRATION CHECK EPA 1613B

Laboratory: <u>Analytical Resources, Inc.</u>	SDG: <u>17A0053</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Port Gamble Shellfish Monitoring</u>
Instrument ID: <u>AUTOSPEC01</u>	Calibration: <u>AA00071</u>
Lab File ID: <u>17020819</u>	Calibration Date: <u>01/25/17 11:42</u>
Sequence: <u>SFB0085</u>	Injection Date: <u>02/09/17</u>
Lab Sample ID: <u>SFB0085-CCV1</u>	Injection Time: <u>02:41</u>
Sequence Name: <u>CS302</u>	

COMPOUND	TYPE	CONC. (ng/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
2,3,7,8-TCDF	A	10.000	10.4	0.9244412	0.9581034		3.6	16
2,3,7,8-TCDD	A	10.000	9.67	1.1500690	1.1117590		-3.3	22
1,2,3,7,8-PeCDF	A	50.000	44.5	0.9538591	0.8495783		-10.9	18
2,3,4,7,8-PeCDF	A	50.000	49.7	0.9661353	0.9604612		-0.6	18
1,2,3,7,8-PeCDD	A	50.000	48.7	1.0171420	0.9899673		-2.7	22
1,2,3,4,7,8-HxCDF	A	50.000	51.0	1.1406820	1.1643970		2.1	10
1,2,3,6,7,8-HxCDF	A	50.000	50.4	1.0892170	1.0974670		0.8	12
2,3,4,6,7,8-HxCDF	A	50.000	49.7	1.1814840	1.1737740		-0.7	12
1,2,3,7,8,9-HxCDF	A	50.000	49.2	1.1099540	1.0911300		-1.7	10
1,2,3,4,7,8-HxCDD	A	50.000	51.0	1.0172780	1.0371380		2.0	22
1,2,3,6,7,8-HxCDD	A	50.000	52.6	0.9644562	1.0137970		5.1	22
1,2,3,7,8,9-HxCDD	A	50.000	54.7	0.9481378	1.0367010		9.3	18
1,2,3,4,6,7,8-HpCDF	A	50.000	48.8	1.2670090	1.2358180		-2.5	10
1,2,3,4,7,8,9-HpCDF	A	50.000	49.3	1.2951710	1.2765140		-1.4	14
1,2,3,4,6,7,8-HpCDD	A	50.000	48.2	1.0509220	1.0135690		-3.6	14
OCDF	A	100.00	110	1.0671380	1.1721740		9.8	37
OCDD	A	100.00	98.3	1.0297990	1.0121960		-1.7	21
13C12-2,3,7,8-TCDF	A	100.00	103	1.5145410	1.5537198		2.6	29
13C12-2,3,7,8-TCDD	A	100.00	102	0.8721411	0.8937862		2.5	18
13C12-1,2,3,7,8-PeCDF	A	100.00	80.8	1.2760880	1.0305608		-19.2	24
13C12-2,3,4,7,8-PeCDF	A	100.00	85.4	1.2570200	1.0736005		-14.6	23
13C12-1,2,3,7,8-PeCDD	A	100.00	35.6	0.7543716	0.2685046		-64.4	38
13C12-1,2,3,4,7,8-HxCDF	A	100.00	94.1	1.4308690	1.3458593		-5.9	24
13C12-1,2,3,6,7,8-HxCDF	A	100.00	92.9	1.5517170	1.4411214		-7.1	30
13C12-2,3,4,6,7,8-HxCDF	A	100.00	96.8	1.3486910	1.3060403		-3.2	27
13C12-1,2,3,7,8,9-HxCDF	A	100.00	109	1.1112340	1.2145487		9.3	26
13C12-1,2,3,4,7,8-HxCDD	A	100.00	93.6	1.1060120	1.0346987		-6.4	15
13C12-1,2,3,6,7,8-HxCDD	A	100.00	92.3	1.1646380	1.0745977		-7.7	15
13C12-1,2,3,4,6,7,8-HpCDF	A	100.00	108	1.1595440	1.2560299		8.3	22
13C12-1,2,3,4,7,8,9-HpCDF	A	100.00	127	0.7577241	0.9600178		26.7	23
13C12-1,2,3,4,6,7,8-HpCDD	A	100.00	116	0.8721821	1.0130763		16.2	18
13C12-OCDD	A	200.00	240	0.6553896	0.7872252		20.1	52
37C14-2,3,7,8-TCDD	A	10.000	10.0	1.0732750	1.0757886		0.2	

\* Values outside of QC limits

Quantify Sample Summary Report MassLynx MassLynx V4.1 SCN909

Dataset: C:\MassLynxDioxin.pro\170208D.qld  
 Last Altered: Wednesday, February 22, 2017 13:49:08 Pacific Standard Time  
 Printed: Wednesday, February 22, 2017 13:51:36 Pacific Standard Time

Method: C:\MassLynxDioxin.pro\MethDB\Dioxin\170201.mdb 01 Feb 2017 14:00:04  
 Calibration: C:\MassLynxDioxin.pro\CurveDB\170124\CAL.cdb 25 Jan 2017 09:33:34

ID: CS303, Name: 17020819, Date: 09-Feb-2017, Time: 02:41:05, Conditions: AUTOSPEC01, User: PK

Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	pg
2378-TCDF	26.153	1.001	5.10e4	6.67e4	0.924	0.765	0.770	1028	1271	7.36e5	9.33e5	715.6	NO	10.364
12378-PeCDF	30.305	1.001	2.07e5	1.40e5	0.954	1.482	1.550	144900	99266	4.07e6	2.78e6	28.1	NO	44.534
23478-PeCDF	31.642	1.000	2.45e5	1.63e5	0.966	1.501	1.550	144900	99266	4.45e6	2.97e6	30.7	NO	49.706
123478-HxCDF	35.336	1.001	2.66e5	2.13e5	1.141	1.247	1.240	2511	3491	3.93e6	3.14e6	1564.3	NO	51.040
234678-HxCDF	36.433	1.001	2.59e5	2.09e5	1.181	1.239	1.240	2511	3491	3.85e6	3.13e6	1534.7	NO	49.674
123678-HxCDF	35.479	1.000	2.68e5	2.16e5	1.089	1.241	1.240	2511	3491	3.89e6	3.18e6	1547.5	NO	50.379
123789-HxCDF	37.573	1.001	2.25e5	1.79e5	1.110	1.257	1.240	2511	3491	3.51e6	2.73e6	1398.0	NO	49.152
1234678-HpCDF	39.644	1.001	2.40e5	2.34e5	1.267	1.029	1.050	1956	2039	3.45e6	3.34e6	1761.5	NO	48.769
1234789-HpCDF	42.352	1.000	1.90e5	1.84e5	1.295	1.033	1.050	1956	2039	2.37e6	2.32e6	1212.7	NO	49.280
OCDF	47.695	1.006	2.61e5	3.03e5	1.067	0.861	0.890	726	942	2.56e6	3.00e6	3519.4	NO	109.843
2378-TCDD	26.795	1.001	3.44e4	4.42e4	1.150	0.780	0.770	793	895	4.78e5	6.19e5	601.8	NO	9.667
12378-PeCDD	31.906	1.001	6.38e4	4.13e4	1.017	1.543	1.550	120007	125537	2.14e6	1.38e6	17.8	NO	48.664
123478-HxCDD	36.564	1.000	1.82e5	1.46e5	1.017	1.244	1.240	1852	1406	2.82e6	2.21e6	1521.8	NO	50.976
123678-HxCDD	36.696	1.001	1.88e5	1.45e5	0.964	1.296	1.240	1852	1406	2.78e6	2.18e6	1500.0	NO	52.558
123789-HxCDD	37.123	1.012	1.88e5	1.46e5	0.948	1.281	1.240	1852	1406	2.82e6	2.17e6	1522.1	NO	54.670
1234678-HpCDD	41.464	1.001	1.58e5	1.56e5	1.051	1.012	1.050	1323	1433	2.14e6	2.09e6	1615.6	NO	48.223
OCDD	47.408	1.000	2.33e5	2.53e5	1.030	0.921	0.890	779	715	2.39e6	2.65e6	3066.5	NO	98.291
13C-2378-TCDF	26.123	1.006	5.41e5	6.88e5	1.515	0.786	0.770	3352	1468	7.60e6	9.59e6	2267.4	NO	102.587
13C-12378-PeCDF	30.283	1.167	5.01e5	3.15e5	1.276	1.591	1.550	61420	64473	9.39e6	5.96e6	153.0	NO	80.759
13C-23478-PeCDF	31.632	1.219	5.22e5	3.29e5	1.257	1.592	1.550	61420	64473	9.71e6	6.12e6	158.1	NO	85.408
13C-123478-HxCDF	35.315	0.952	2.80e5	5.42e5	1.431	0.517	0.510	2148	4621	4.14e6	8.08e6	1927.0	NO	94.059
13C-123678-HxCDF	35.468	0.956	3.00e5	5.80e5	1.552	0.518	0.510	2148	4621	4.45e6	8.69e6	2070.8	NO	92.873
13C-234678-HxCDF	36.411	0.981	2.70e5	5.28e5	1.349	0.512	0.510	2148	4621	4.07e6	7.91e6	1896.8	NO	96.838
13C-123789-HxCDF	37.551	1.012	2.55e5	4.87e5	1.111	0.524	0.510	2148	4621	3.94e6	7.57e6	1833.6	NO	109.297
13C-1234678-HpCDF	39.623	1.068	2.38e5	5.30e5	1.160	0.448	0.440	1568	1966	3.53e6	7.83e6	2250.6	NO	108.321
13C-1234789-HpCDF	42.341	1.141	1.80e5	4.06e5	0.758	0.444	0.440	1568	1966	2.26e6	5.17e6	1443.0	NO	126.698
13C-1234-TCDD	25.959	0.000	3.50e5	4.41e5	1.000	0.793	0.770	1189	778	5.20e6	6.56e6	4368.0	NO	100.000
13C-2378-TCDD	26.765	1.031	3.16e5	3.91e5	0.872	0.807	0.770	1189	778	4.58e6	5.74e6	3948.7	NO	102.482
13C-2378-PeCDD	31.884	1.228	1.30e5	8.23e4	0.754	1.579	1.550	55736	29989	4.41e6	2.81e6	79.0	NO	35.593
13C-123478-HxCDD	36.553	0.985	3.53e5	2.80e5	1.106	1.261	1.240	1446	1503	5.29e6	4.25e6	3658.0	NO	93.552
13C-123678-HxCDD	36.674	0.988	3.66e5	2.91e5	1.165	1.259	1.240	1446	1503	5.40e6	4.26e6	3736.9	NO	92.269
13C-1234678-HpCDD	41.442	1.117	3.18e5	3.01e5	0.872	1.058	1.050	1401	1757	4.31e6	4.05e6	3079.5	NO	116.154
13C-OCDD	47.389	1.277	4.57e5	5.05e5	0.655	0.906	0.890	1119	1259	4.75e6	5.18e6	4242.5	NO	240.231

**Quantify Sample Summary Report**      **MassLynx MassLynx V4.1 SCN909**

Dataset: C:\MassLynx\Dioxin.pro\170208D.qld  
 Last Altered: Wednesday, February 22, 2017 13:49:08 Pacific Standard Time  
 Printed: Wednesday, February 22, 2017 13:51:36 Pacific Standard Time

**ID: CS303, Name: 17020819, Date: 09-Feb-2017, Time: 02:41:05, Conditions: AUTOSPEC01, User: PK**

Name	RT	RRT	Ion1Area	Ion2Area	RRF	Ratio	Pred R	Noise 1	Noise 2	Height 1	Height 2	S/N	EMPC?	pg
13C-123789-HxCDD	37.112	0.000	3.43e5	2.68e5	1.000	1.277	1.240	1446	1503	5.06e6	3.96e6	3501.3	NO	100.000
Total-tetrafurans			1.56e5		0.924			1028		2.26e6				32.158
Total-penta1			3.98e5					383		5.73e6				85.689
Total-pentafurans			7.00e5		0.960			144900		1.36e7				145.939
Total-hexafurans			1.28e6		1.130			2511		1.91e7				252.040
Total-heptafurans			4.31e5		1.281			1956		5.82e6				98.095
Total-Furans			3.22e6		1.100			1028		4.91e7				723.763
Total-tetra-dioxins			1.87e5		1.150			793		2.38e6				52.029
Total-pentadi-dioxins			3.69e5		1.017			120007		9.31e6				279.479
Total-hexadi-dioxins			7.48e5		0.977			1852		1.13e7				212.629
Total-heptadi-dioxins			3.42e5		1.051			1323		4.77e6				103.895
Total-Dioxins			1.88e6		1.025			793		3.01e7				746.322
Total-TEQ			5.10e6					793		7.92e7				1470.085
37CL-2378-TCDD	26.795	1.032	8.51e4		1.073			655		1.18e6		1806.6		10.023
FUNCTION1 PFK			8.77e4					129150		1.29e6				
FUNCTION2 PFK			0.00e0					1208951		0.00e0				
FUNCTION3 PFK			1.03e5					121868		2.53e6				0.000
FUNCTION4 PFK			9.57e4					100480		3.20e6				
FUNCTION5 PFK			0.00e0					85932		0.00e0				
FUNCTION1 HXCDPE			2.04e2					256		4.45e3				0.000
FUNCTION1 HPCDPE			0.00e0					219		0.00e0				
FUNCTION2 HPCDPE			0.00e0					286		0.00e0				
FUNCTION3 OCDPE			0.00e0					204		0.00e0				
FUNCTION4 NCDPE			0.00e0					303		0.00e0				
FUNCTION5 DCDPE			0.00e0					300		0.00e0				

Quantify Sample Report MassLynx MassLynx V4.1 SCN909

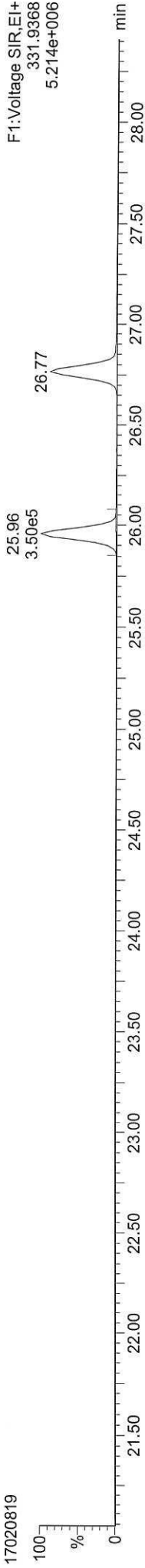
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Last Altered: Wednesday, February 22, 2017 13:49:08 Pacific Standard Time  
Printed: Wednesday, February 22, 2017 13:51:36 Pacific Standard Time

Method: C:\MassLynx\Dioxin.pro\MethDB\Dioxin170201.mdb 01 Feb 2017 14:00:04  
Calibration: C:\MassLynx\Dioxin.pro\CurveDB\170124\CAL.cdb 25 Jan 2017 09:33:34

ID: CS303, Name: 17020819, Date: 09-Feb-2017, Time: 02:41:05, Conditions: AUTOSPEC01, User: PK

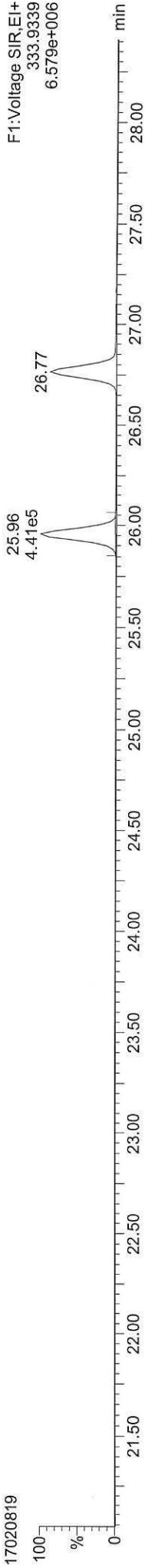
13C-1234-TCDD

17020819



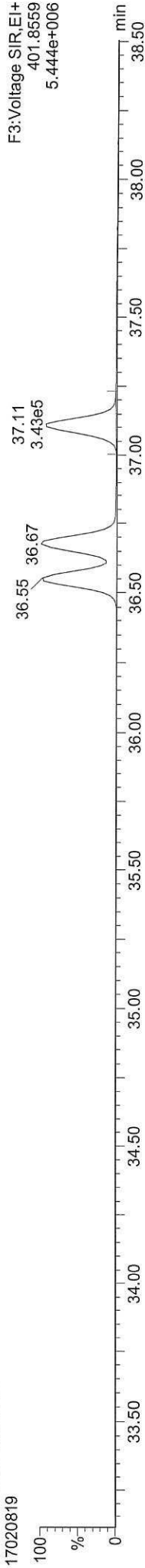
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17020819



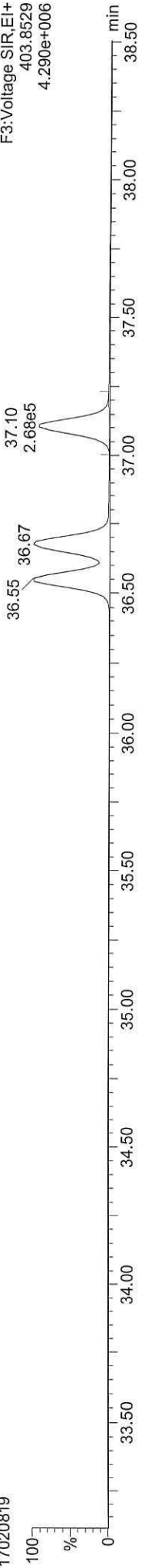
13C-123789-HxCDD

17020819



13C-123789-HxCDD

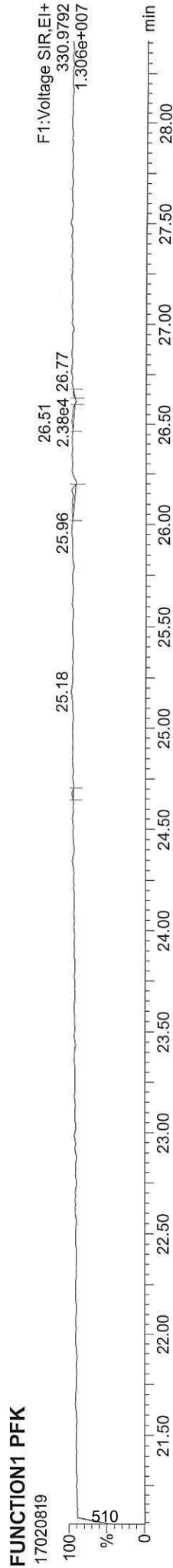
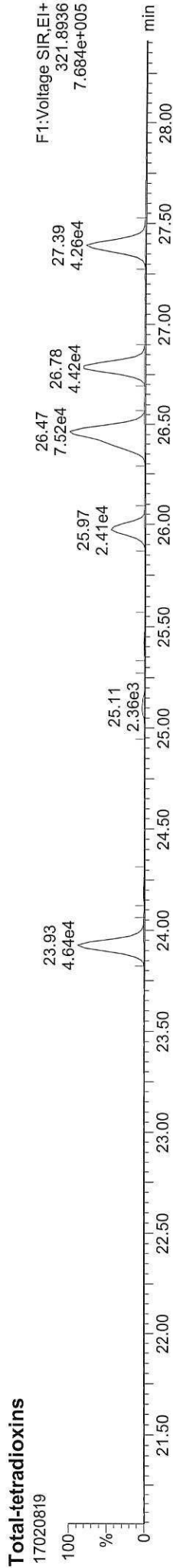
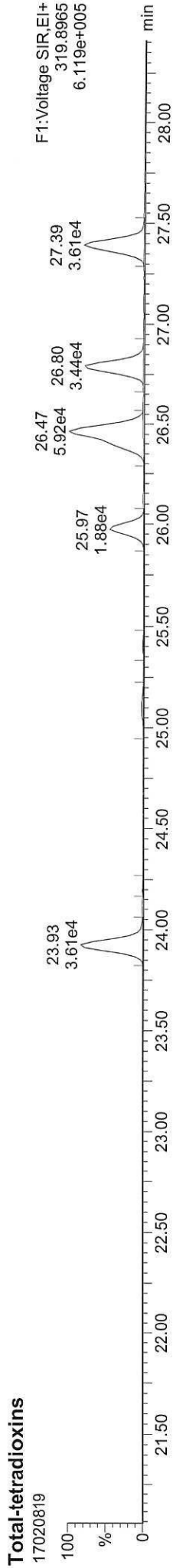
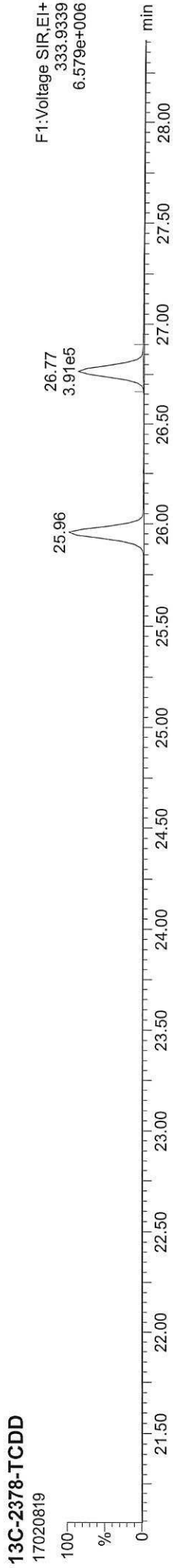
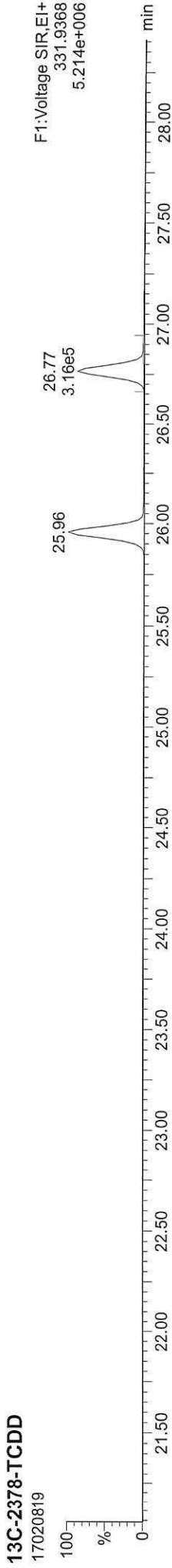
17020819





**Quantify Sample Report**    **MassLynx MassLynx V4.1 SCN909**  
Dataset: C:\MassLynx\Dioxin.pro\170208D.qld  
Last Altered: Wednesday, February 22, 2017 13:49:08 Pacific Standard Time  
Printed: Wednesday, February 22, 2017 13:51:36 Pacific Standard Time

**ID: CS303, Name: 17020819, Date: 09-Feb-2017, Time: 02:41:05, Conditions: AUTOSPEC01, User: PK**



Quantify Sample Report MassLynx MassLynx V4.1 SCN909

Dataset: C:\MassLynx\Dioxin.pro\170208D.qld  
Last Altered: Wednesday, February 22, 2017 13:49:08 Pacific Standard Time  
Printed: Wednesday, February 22, 2017 13:51:36 Pacific Standard Time

ID: CS303, Name: 17020819, Date: 09-Feb-2017, Time: 02:41:05, Conditions: AUTOSPEC01, User: PK

13C-2378-TCDF



13C-2378-TCDF



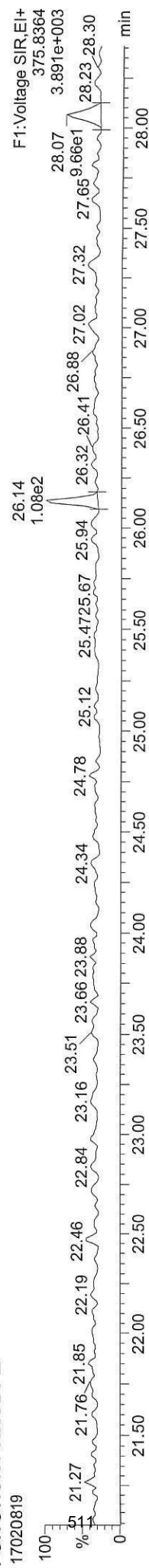
Total-tetrafurans



Total-tetrafurans



FUNCTION1 HXCDPE

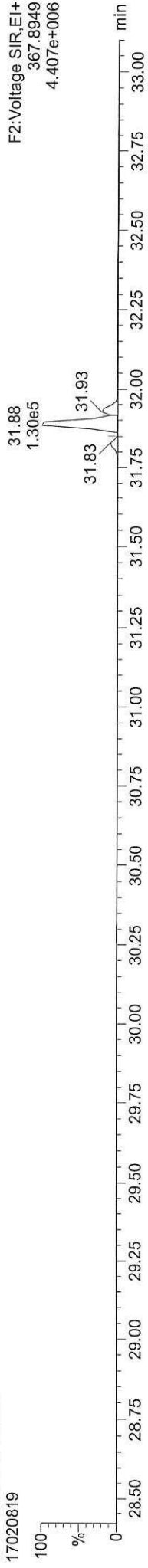


**Quantify Sample Report** MassLynx MassLynx V4.1 SCN909

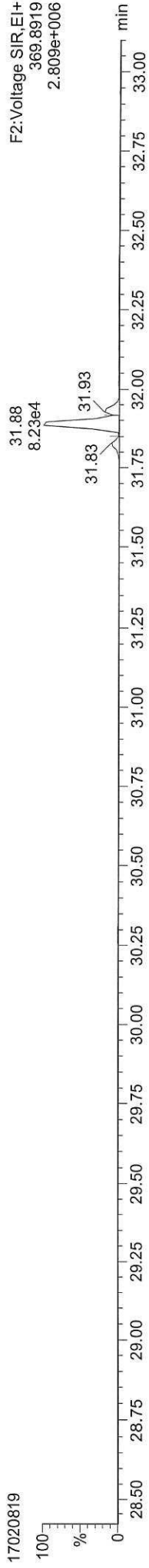
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 Last Altered: Wednesday, February 22, 2017 13:49:08 Pacific Standard Time  
 Printed: Wednesday, February 22, 2017 13:51:36 Pacific Standard Time

**ID: CS303, Name: 17020819, Date: 09-Feb-2017, Time: 02:41:05, Conditions: AUTOSPEC01, User: PK**

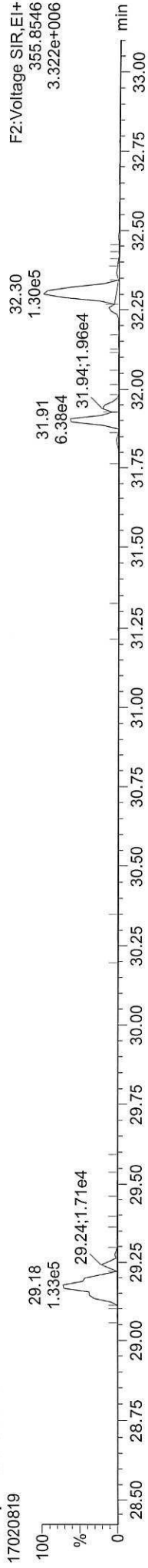
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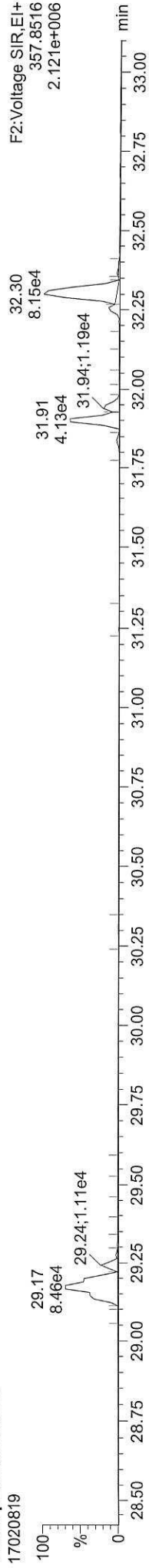
**13C-12378-PeCDD**



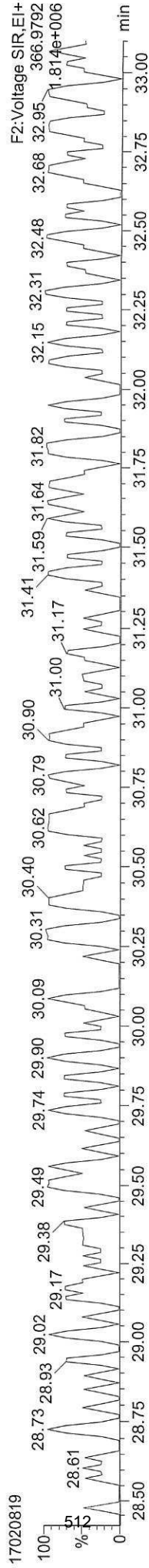
**Total-pentadioxins**



**Total-pentadioxins**



**FUNCTION2 PFK**

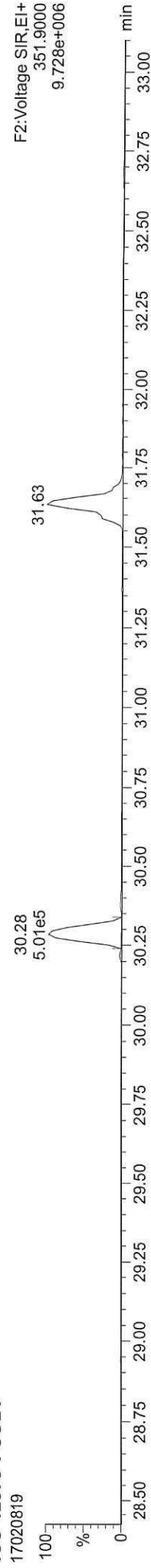


Quantify Sample Report MassLynx MassLynx V4.1 SCN909

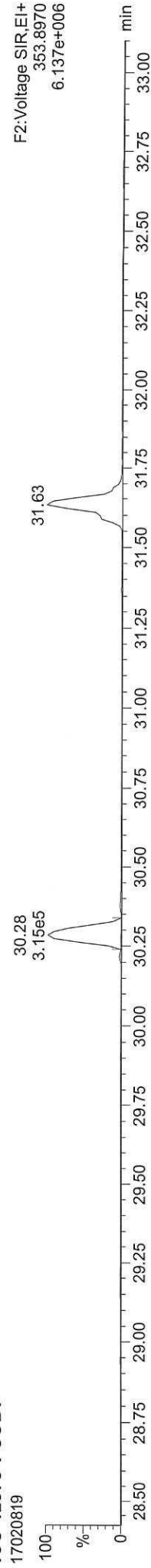
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Last Altered: Wednesday, February 22, 2017 13:49:08 Pacific Standard Time  
Printed: Wednesday, February 22, 2017 13:51:36 Pacific Standard Time

ID: CS303, Name: 17020819, Date: 09-Feb-2017, Time: 02:41:05, Conditions: AUTOSPEC01, User: PK

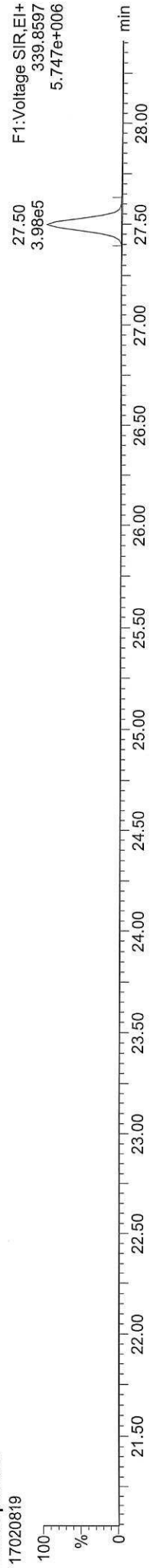
13C-12378-PeCDF



13C-12378-PeCDF



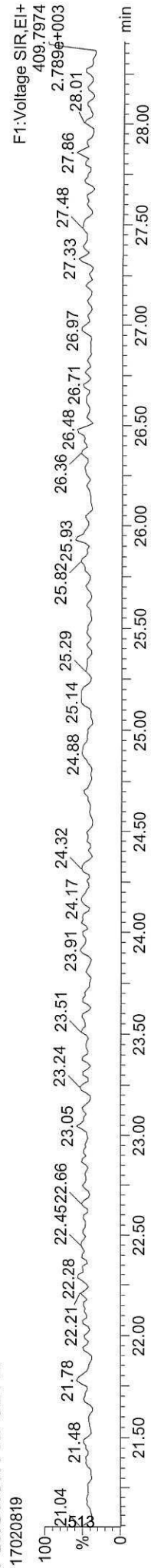
Total-penta1



Total-penta1



FUNCTION1 HPCDPE

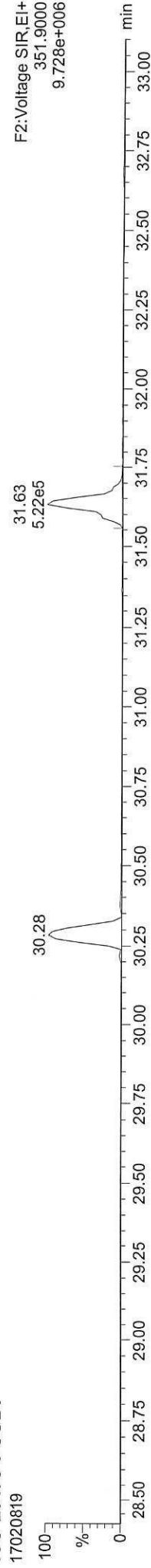


Quantify Sample Report MassLynx MassLynx V4.1 SCN909

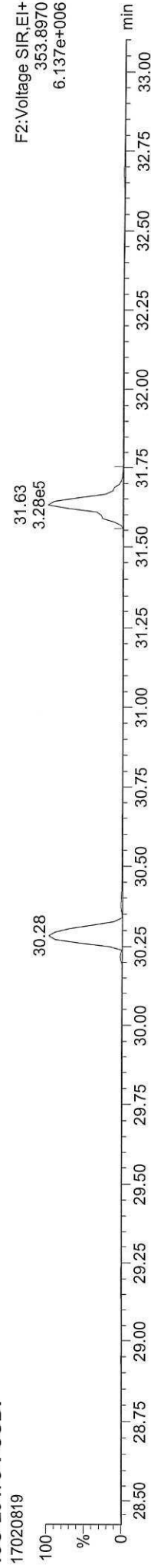
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Last Altered: Wednesday, February 22, 2017 13:49:08 Pacific Standard Time  
Printed: Wednesday, February 22, 2017 13:51:36 Pacific Standard Time

ID: CS303, Name: 17020819, Date: 09-Feb-2017, Time: 02:41:05, Conditions: AUTOSPEC01, User: PK

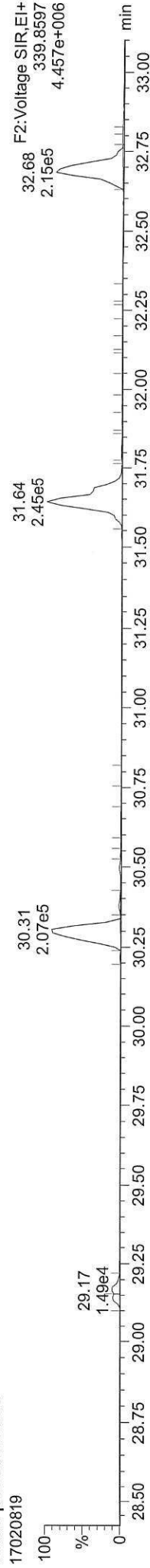
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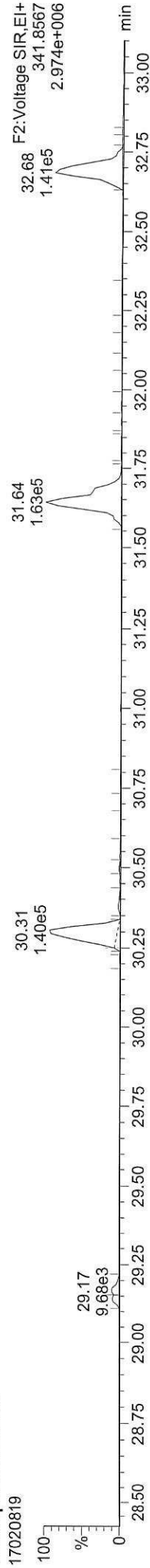
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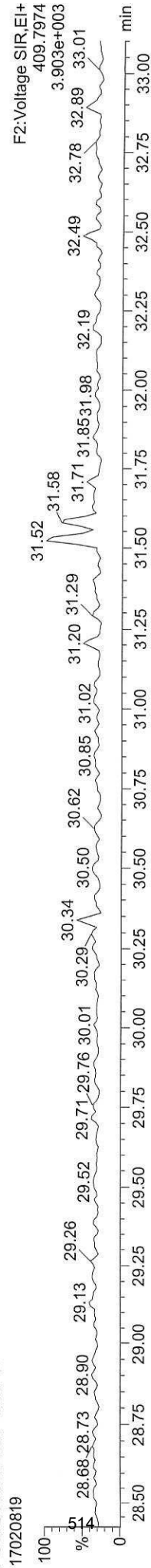
Total-pentafurans



Total-pentafurans



FUNCTION2 HPCDFE

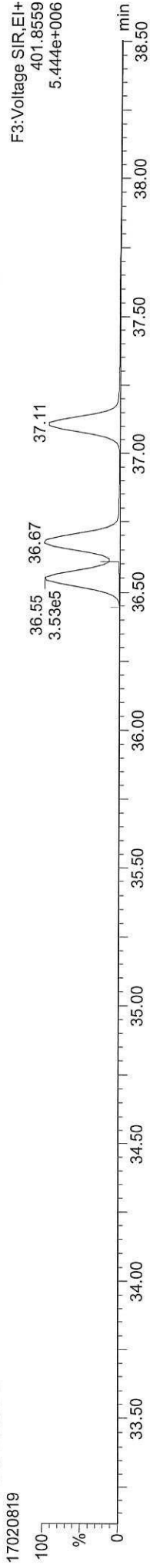


Quantify Sample Report MassLynx MassLynx V4.1 SCN909

Dataset: C:\MassLynx\Dioxin.pro\170208D.qld  
Last Altered: Wednesday, February 22, 2017 13:49:08 Pacific Standard Time  
Printed: Wednesday, February 22, 2017 13:51:36 Pacific Standard Time

ID: CS303, Name: 17020819, Date: 09-Feb-2017, Time: 02:41:05, Conditions: AUTOSPEC01, User: PK

13C-123478-HxCDD



13C-123478-HxCDD



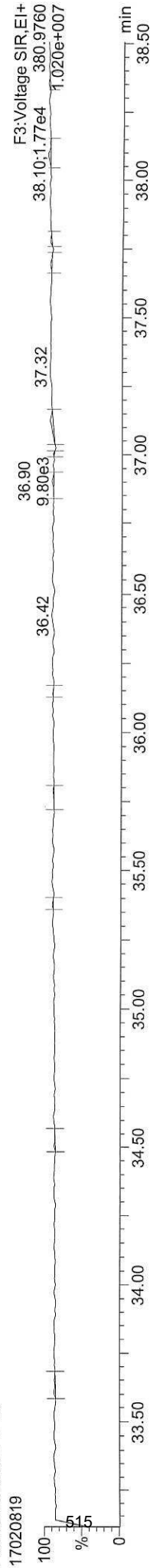
Total-hexadioxins



Total-hexadioxins



FUNCTION3 PFK

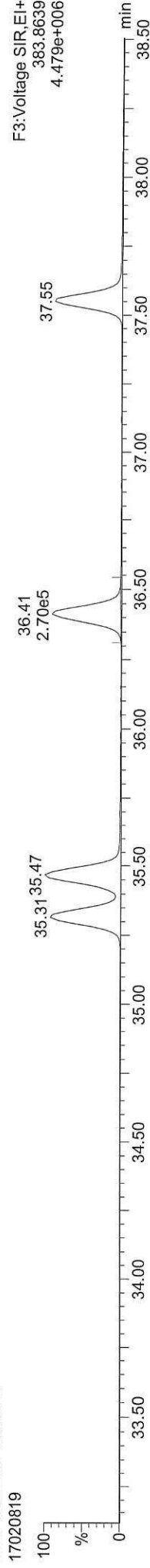


Quantify Sample Report MassLynx V4.1 SCN909

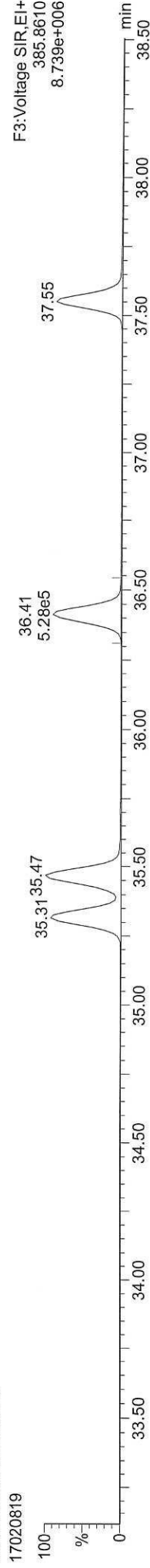
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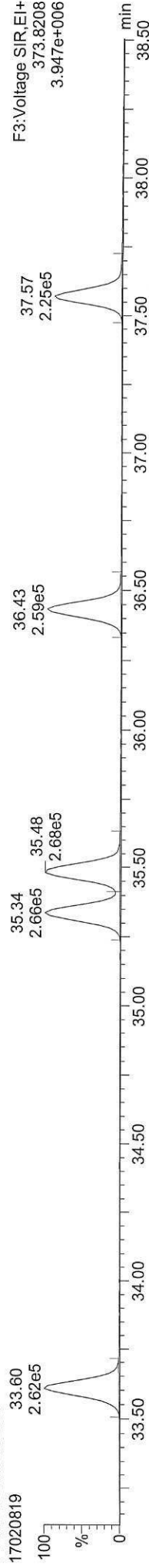
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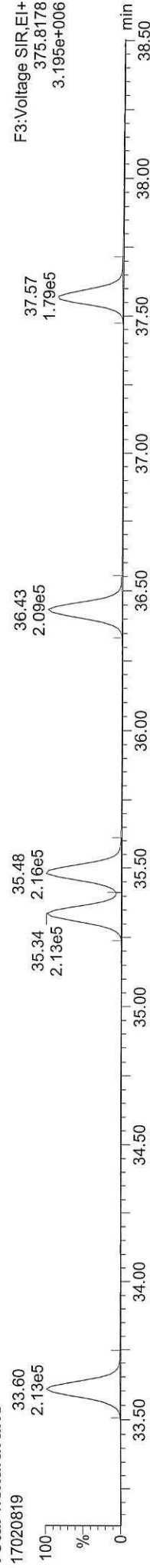
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Total-hexafurans



Total-hexafurans



FUNCTION3 OCDPE

